EXHIBIT B

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

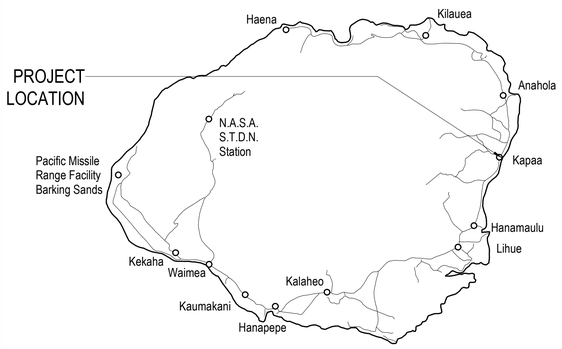


4800 KAWAIHAU ROAD, KAPA'A, HI 96746

TMK#: 4-6-014:113

PROJECT LOCATION





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VICINITY MAP



PROJECT LOCATION



DRAWING NOT TO SCALE

PROJECT TEAM

CLIENT:
HAWAII HEALTH SYSTEMS CORPORATION - KAUAI DIVISION
4643 Waimea Canyon Drive
Waimea, HI 96796

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REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
2/27/2026

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License Expiration Date

PROJECT TITLE

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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COVER SHEET

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PROJECT NO.	DRAWING NO.
225057-01	T-001

SHEET ISSUE DATE: 2/27/26

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TITLE

SHEET NO.	SHEET NAME
T-001	COVER SHEET
T-002	INDEX TO DRAWINGS
T-003	GENERAL NOTES, CONSTRUCTION NOTES, DEMOLITION NOTES, FIRE SAFETY NOTES
T-004	ABBREVIATIONS
T-005	SYMBOLS
T-006	BUILDING CODE SUMMARY, ZONING SUMMARY
T-007	OCCUPANCY LOAD, EXIT CALCULATION, AND LIFE SAFETY DIAGRAM
T-008	SITE PLAN
T-009	ARCHITECTURAL SITE PLAN

CIVIL

SHEET NO.	SHEET NAME
C001	SITE AND GRADING PLAN
C002	EROSION CONTROL PLAN
C003	EROSION CONTROL NOTES AND DETAILS
C004	SITE DETAILS
C005	UTILITY DETAILS

LANDSCAPE

SHEET NO.	SHEET NAME
L-100	TREE DISPOSITION PLAN
L-101	TREE DISPOSITION DETAILS - 1
L-102	TREE DISPOSITION DETAILS - 2
L-200	IRRIGATION PLAN
L-201	IRRIGATION NOTES & SCHEDULE
L-202	IRRIGATION DETAILS - 1
L-203	IRRIGATION DETAILS - 2
L-204	IRRIGATION DETAILS - 3
L-300	PLANTING PLAN
L-301	PLANTING NOTES
L-302	PLANTING DETAILS
L-303	PLANT SCHEDULE

ARCHITECTURE

SHEET NO.	SHEET NAME
AD-101	OVERALL DEMO PLAN
AD-102	OVERALL DEMO ROOF PLAN
AD-103	OVERALL DEMO RCP
AD-104	ENLARGED DEMO STAGE A PLAN
AD-105	ENLARGED DEMO STAGE B PLAN
AD-106	ENLARGED DEMO STAGE C PLAN
A-101	OVERALL FLOOR PLAN
A-102	OVERALL ROOF PLAN
A-103	OVERALL RCP
A-111	ENLARGED PLAN STAGE A
A-112	ENLARGED PLAN STAGE B
A-113	ENLARGED PLAN STAGE C
A-121	ENLARGED RCP STAGE A
A-122	ENLARGED RCP STAGE B
A-201	EXTERIOR ELEVATIONS
A-301	BUILDING SECTIONS
A-401	WALL SECTIONS
A-402	WALL SECTIONS
A-403	WALL SECTIONS
A-411	EXTERIOR ASSEMBILIES
A-421	VERTICAL CIRCULATION
A-422	VERTICAL CIRCULATION
A-423	HANDRAIL AND GUARDRAIL DETAILS
A-501	INTERIOR ELEVATIONS
A-502	INTERIOR ELEVATIONS
A-503	INTERIOR ELEVATIONS
A-504	INTERIOR ELEVATIONS
A-505	INTERIOR ELEVATIONS
A-506	INTERIOR ELEVATIONS
A-507	INTERIOR ELEVATIONS
A-601	PARTITION TYPES
A-611	ADA MOUNTING HEIGHT SCHEDULE
A-621	MATERIAL FINISH & ROOM FINISH SCHEDULE
A-622	TOILET ACCESSORY SCHEDULE
A-623	FINISH FLOOR PLAN
A-624	FF&E AND EQUIPMENT PLAN AND SCHEDULES
A-701	DOOR TYPES & SCHEDULE
A-702	DOOR DETAILS
A-703	DOOR DETAILS
A-704	DOOR DETAILS
A-801	WINDOW & LOUVER TYPES & DETAILS
A-901	ROOF DETAILS
A-902	COLUMN/WALL DETAILS
A-903	WALL DETAILS
A-904	CEILING DETAILS
A-905	INTERIOR DETAILS
A-906	MILLWORK DETAILS

STRUCTURAL

SHEET NO.	SHEET NAME
S-001	STRUCTURAL GENERAL NOTES
S-002	STRUCTURAL GENERAL NOTES
S-003	TYPICAL DETAILS
S-004	TYPICAL DETAILS
S-005	TYPICAL DETAILS
S-006	TYPICAL DETAILS
S-101	FOUNDATION PLAN
S-102	LOWER ROOF FRAMING PLAN
S-103	UPPER ROOF FRAMING PLAN
S-501	SECTIONS
S-502	SECTIONS
S-511	SECTIONS
S-512	SECTIONS

PLUMBING

SHEET NO.	SHEET NAME
P-502	Unnamed
P-001	PLUMBING NOTES
P-002	PLUMBING LEGEND ABBREV AND NOTES
PD-101	PARTIAL PLUMBING DEMO PLAN - STAGE A
PD-102	OARTIAL PLUMBING DEMO PLAN - STAGE B
PD-103	PARTIAL PLUMBING DEMO PLAN - STAGE C
PD-104	PARTIAL FLOOR MED GAS PIPING DEMO PLAN - STAGE A
PD-105	PARTIAL FLOOR MED GAS PIPING DEMO PLAN - STAGE B
PD-106	PARTIAL FLOOR FIRE SPRINKLER DEMO PLAN
P-101	OVERALL PLUMBING PLAN
P-103	PARTIAL FLOOR PLUMBING PLAN - STAGE A
P-104	PARTIAL FLOOR PLUMBING PLAN - STAGE B
P-105	PARTIAL FLOOR MED GAS PIPING PLAN - STAGE A
P-106	GROUND FLOOR MED GAS PIPING PLAN - STAGE A
P-107	PARTIAL FLOOR MED GAS PIPING PLAN - STAGE B
P-108	PARTIAL FLOOR FIRE SPRINKLER PLAN - STAGE A
P-109	PARTIAL FLOOR FIRE SPRINKLER PLAN - STAGE B
P-501	PLUMBING DETAILS
P-601	EQUIPMENT AND FIXTURE SCHEDULES
P-901	SANITARY PIPING DIAGRAM
P-902	WATER PIPING DIAGRAM
P-903	MED GAS PIPING DIAGRAM

MECHANICAL

SHEET NO.	SHEET NAME
M-001	MECHANICAL NOTES
M-002	MECHANICAL LEGEND AND ABBREVIATIONS
MD-101	PARTIAL MECHANICAL DEMO PLAN - STAGE A
MD-102	PARTIAL MECHANICAL DEMO PLAN - STAGE B
M-101	OVERALL MECHANICAL PLAN
M-102	PARTIAL FLOOR MECHANICAL PLAN - STAGE A
M-103	PARTIAL GROUND FLOOR MECHANICAL PLAN - STAGE A
M-104	PARTIAL FLOOR MECHANICAL PLAN - STAGE B
M-105	PARTIAL ROOF MECHANICAL PLAN - STAGE A
M-106	PARTIAL ROOF MECHANICAL PLAN - STAGE B
M-501	MECHANICAL DETAILS
M-502	MECHANICAL DETAILS
M-601	EQUIPMENT SCHEDULES
M-602	EQUIPMENT SCHEDULES

ELECTRICAL

SHEET NO	SHEET NAME
E-001	ABBREVIATIONS, SYMBOLS LEGEND, AND SHEET INDEX
E-002	ELECTRICAL NOTES
E-100	SITE PLAN
ED101	OVERALL DEMOLITION PLAN
ED102	ENLARGED DEMOLITION STAGE A PLAN
ED103	ENLARGED DEMOLITION STAGE B PLAN
ED104	ENLARGED DEMOLITION STAGE C PLAN
E-101	OVERALL POWER PLAN
E-102	OVERALL TELECOM PLAN
E-103	OVERALL NURSE CALL SYSTEMS PLAN
E-104	OVERALL FIRE ALARM PLAN
E-105	OVERALL ROOF PLAN
E-111	ENLARGED STAGE A PLAN
E-112	ENLARGED STAGE B PLAN
E-113	ENLARGED STAGE C PLAN
E-211	OVERALL LIGHTING PLAN
E-212	ENLARGED LIGHTING PLAN - STAGE A
E-213	ENLARGED LIGHTING PLAN - STAGE B
E-214	ENLARGED LIGHTING PLAN - STAGE C
E-501	ELECTRICAL DETAILS
E-601	ONE LINE DIAGRAM
E-701	PANEL SCHEDULES
E-801	LUMINAIRE SCHEDULE
E-802	MECHANICAL EQUIPMENT CONNECTION SCHEDULE

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INDEX TO DRAWINGS

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225057-01	T-002

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GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE COUNTY CODE OF KAUAI THE 2018 INTERNATIONAL BUILDING CODE (IBC) INCLUDING ALL AMENDMENTS AND AMERICANS WITH DISABILITIES ACT & ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES (ADAAG), FIRE DEPARTMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS AND THE BEST TRADE PRACTICES.

2. ALL WORK SHALL CONFORM TO SEISMIC REQUIREMENTS AS REQUIRED BY APPLICABLE BUILDING CODES.

3. ALL EQUIPMENT AND SUPPORTS SHALL BE SECURELY FASTENED TO MEET WIND LOAD REQUIREMENTS PER BUILDING CODE.

4. THE CONTRACTOR SHALL FULLY EXECUTE ALL CONDITIONS OF THE CONTRACT.

5. BEFORE COMMENCING WORK, CONTRACTOR TO VERIFY EXTENT OF DEMOLITION WITH ARCHITECT.

6. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND SHALL REPORT ANY CONDITIONS OF DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS REQUIRING MODIFICATIONS BEFORE PROCEEDING WITH WORK TO THE ARCHITECT.

7. THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE BUILDING DEPARTMENT, OBTAIN ALL REQUIRED PERMITS, AND PAY ALL FEES REQUIRED BY GOVERNING LOCAL AGENCIES AND SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES AND/OR BUILDING MANAGEMENT.

8. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS AND SPECIFICATIONS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. ALL ELEMENTS/ITEMS DAMAGED AS A RESULT OF THE CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK, AND THE COST OF RESTORING DAMAGED IMPROVEMENTS.

10. THE CONTRACTOR SHALL LAYOUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES (PLUMBING, ELECTRICAL, ETC.).

11. CONTRACTOR TO PROVIDE HOSPITAL FACILITIES WITH A KEY TO ALL CONSTRUCTION BARRICADE DOORS ON PREMISES.

12. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND LIMITATIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND INCLUDE IN THE PRICE, A SUM TO COVER THE COST OF ITEMS NECESSARY TO PERFORM THE WORK AS SET FORTH IN THE PROPOSED CONTRACT DOCUMENTS. NO ALLOWANCE WILL BE MADE DUE TO THE LACK OF SUCH EXAMINATION OR KNOWLEDGE.

13. THE CONTRACTOR SHALL COOPERATE WITH OWNER'S CONTRACTORS [FF&E, SECURITY, DATA, ETC.] FOR SCHEDULING, ACCESS, AND/OR INSTALLATION OF ALL ASSOCIATIVE EQUIPMENT WITHIN THE WORK AREA.

14. PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN INSPECTIONS AND SIGN-OFFS.

15. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.

16. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS AND SYMBOL LEGENDS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING COMPONENTS.

17. NOTES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND MATERIALS. SHEETS ARE TO BE REVIEWED AND NOTES ON ANY ONE SHEET ARE TO BE APPLIED TO RELATED SYSTEMS AND MATERIALS DEPICTED ON OTHER DRAWINGS.

18. WHERE DETAILS ARE NOT CALLED OUT BUT ARE NOTABLY SIMILAR IN CHARACTER/DESIGN INTENT TO THOSE THAT ARE CALLED OUT WITH A DETAIL/DIMENSION, UTILIZE SIMILAR DETAILS. WHERE CHARACTER/DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

19. THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DAMAGE DISCOVERED TO STRUCTURAL SUPPORTS, METAL DECKING OR SUBSTRATES. CONTRACTOR IS RESPONSIBLE TO INSPECT SUBSTRATE FOR ANY WATER DAMAGE & INVESTIGATE EXTENT OF MOISTURE INFILTRATION.

20. PROVIDE WEATHER PROTECTION FOR ANY AREAS WHERE REMOVAL OF MATERIAL MAY CAUSE WATER INFILTRATION.

21. PROTECT ACCESS ROUTES TO SPACES ADJACENT TO DEMOLITION AREA.

GENERAL DEMOLITION NOTES

A. THE INTENT OF THE DEMOLITION PLANS IS TO SHOW THE GENERAL NATURE OF THE DEMOLITION SCOPE. THE DRAWINGS REPRESENT EXISTING FIELD CONDITIONS THAT HAVE NOT BEEN FIELD VERIFIED BY AS-BUILT DOCUMENTATION. THE CONTRACTOR AND SUBCONTRACTOR(S) ARE RESPONSIBLE TO BECOME FAMILIAR WITH ALL EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES. VERIFY EXISTING CONDITIONS AND CONSTRAINTS UNDER WHICH THE WORK IS TO BE PERFORMED. NO CLAIM FOR EXTRA COST WILL BE ALLOWED BECAUSE OF LACK OF EXAMINATION OR KNOWLEDGE OF EXISTING CONDITIONS. SUBMITTAL OF BID IMPLIES THAT CONTRACTOR AND HIS SUBCONTRACTORS HAVE MADE SUCH EXAMINATIONS AND ARE FAMILIAR WITH SITE CONDITIONS. COORDINATE AND VERIFY WITH THE OWNER ALL ITEMS TO BE SALVAGED PRIOR TO DEMOLITION. THE ITEMS MAY INCLUDE BUT NOT LIMITED TO THE FOLLOWING: LIGHT FIXTURES, OUTLETS, DOORS, WINDOWS, EXISTING FFE, HOODS, VENT STACKS, MECHANICAL A.C. EQUIPMENT, ETC.

B. MAINTAIN A SAFE SEPARATION BETWEEN AREAS WITHIN THE SCOPE OF WORK AND AREAS OUTSIDE OF THE SCOPE OF THE WORK BY PROVIDING PLYWOOD BARRIER AND/OR PLASTIC SHEATHING BETWEEN CONTINUOUS SPACES AND / OR TEMPORARILY TAPING OF JOINTS AND GAPS TO PROVIDE APPROPRIATE DUST MIGRATION MEASURES. PREVENT DUST FROM ENTERING VERTICAL SHAFTS, EQUIPMENT, DUCTS, VENTS ETC. TO REMAIN. PREVENT DUST FROM ENTERING ADJACENT BUILDING AREAS, OCCUPIED OR OTHERWISE.

C. CAUSE NO DAMAGE TO EXISTING CONSTRUCTION THAT IS TO REMAIN. DO NOT ENCROACH ON ADJACENT OCCUPIED SPACES. PROTECT ALL EXISTING FINISHES, DOORS, FRAMES, ETC WHICH ARE TO REMAIN. PROVIDE SAFE PASSAGE TO ALL SPACES TO REMAIN, PROTECT PATH OF TRAVEL OF ANY EGRESS ROUTES TO AND FROM SPACE TO PUBLIC WAY OR EXIT.

D. USE ALL MEANS NECESSARY TO PREVENT THE SPREAD OF DUST TO ADJACENT AREAS.

E. CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH STREETS, TRAFFIC, WALKWAYS, SIDEWALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. COMPLY WITH LOCAL JURISDICTION REQUIREMENTS FOR RECYCLING AND TREATMENT OF ITEMS TO BE RECYCLED.

F. DISPOSE OF ALL DEMOLISHED OR REMOVED MATERIALS LEGALLY OFF THE SITE. COMPLY WITH ALL LOCAL HAULING AND DISPOSAL REQUIREMENTS.

G. IMMEDIATELY ISOLATE THE AFFECTED AREA IF ASBESTOS OR OTHER HAZARDOUS MATERIAL ARE DISCOVERED DURING CONSTRUCTION. NOTIFY OWNER FOR FURTHER INSTRUCTION BEFORE PROCEEDING WITH WORK. THE ARCHITECT HAS NO KNOWLEDGE OF AND SHALL NOT BE HELD LIABLE FOR ANY ASBESTOS OR OTHER HAZARDOUS MATERIALS ON THE PROJECT/JOBSITE.

H. EXISTING UTILITIES TO REMAIN IN SERVICE. PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS.

I. SCHEDULE ANY SHUT DOWNS WITH OWNER, PROJECT MANAGER AND PROPERTY MANAGER AS SOON AS POSSIBLE OR A MINIMUM OF ONE (1) WEEK PRIOR AND NOTIFY THE PROPERTY MANAGER AT LEAST ONE (1) DAY PRIOR TO SCHEDULED SERVICE SHUT DOWN(S) FOR UTILITIES AND ALL OTHER SERVICES.

J. REMOVE ALL NON-STRUCTURAL ITEMS THAT PROTRUDE ABOVE THE CONCRETE FLOOR SURFACE.

K. REMOVE MISCELLANEOUS ANCHORS, CLIPS, BOLTS, ETC EXCEPT WHERE THEY ARE SUPPORTING ALL SERVICES, SYSTEMS, OR OTHER ELEMENTS INDICATED TO REMAIN.

L. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR SPECIFIC DEMOLITION NOTES. ALL HVAC, ELECTRICAL AND PLUMBING ITEMS REMOVED SHALL BE CUT AND CAPPED BELOW FINISH AND IDENTIFIED.

M. UPON COMPLETION, CLEAN AREA OF DEMOLITION TO A TIDY, UNIFORM CONDITION REMOVING ALL DEBRIS. DUST ALL REMAINING AREAS AFFECTED BY DEMOLITION. CLEAN ALL AREAS IMPACTED BY THE DEMOLITION, INCLUDING BUT NOT LIMITED TO, ADJACENT OCCUPIED AREAS AND AREAS NOT WITHIN THE SCOPE OF WORK.

N. PROVIDE NEW SUPPORT RACK OR HANGERS AS NEEDED FOR CEILING AREA REMAINING IN PLACE IF ORIGINAL SUPPORTING WALLS ARE INDICATED TO BE REMOVED.

O. ABANDONING ITEMS OR UNUSED UTILITIES IN PLACE IS PROHIBITED UNLESS SPECIFICALLY PERMITTED BY THE OWNER.

P. REPAIR, PATCH, PAINT, RE-FINISH FINISHES AS NEEDED DURING DEMOLITION. ALL ADJACENT EXISTING FINISHES DAMAGED OR AFFECTED BY DEMOLITION OR CONSTRUCTION OF NEW AREAS IN SCOPE OF WORK SHALL BE PATCHED AND REPAIRED TO MEET OWNER SATISFACTION.

Q. COMPLY WITH ALL STANDARD LOCAL, NATIONAL, STATE AND FEDERAL SAFETY REQUIREMENTS FOR DEMOLITION.

R. REMOVE ALL INTERIOR FURNISHINGS, FIXTURES, AND EQUIPMENT INCLUDING FURNITURE, SHELVING, CASH WRAPS/CUSTOMER SERVICE COUNTERS, BLINDS, VAULTS, SAFES, FOOD PREPARATION AND FOOD SERVICE EQUIPMENT.

S. CONFIRM WITH OWNER LOCATION OF ALL SALVAGED MATERIALS FOR STORAGE.

T. PROVIDE TEMPORARY, DECORATIVE AND NONCOMBUSTIBLE CONSTRUCTION BARRICADES AS APPROVED BY OWNER.

U. SHOULD CONTRACTOR DISCOVER ANY COLUMNS OR WALLS SHOWN TO BE DEMOLISHED THAT ARE CONCRETE, CMU OR APPEAR TO BE STRUCTURAL IN NATURE, CONTRACTOR TO IMMEDIATELY NOTIFY ARCHITECT AND STRUCTURAL ENGINEER TO CONFIRM DEMOLITION PRIOR TO STARTING DEMOLITION WORK.

CONSTRUCTION NOTES

1. ALL EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A WAY AS TO MAKE THEM WEATHERPROOF.

2. FLOOR SURFACES SHALL BE SLIP RESISTANT MEETING THE MINIMUM STATIC COEFFICIENT OF 0.6 FOR FLOORS AND 0.8 FOR RAMPS AS REQUIRED BY 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

3. EXTERIOR FENESTRATION AND FENESTRATION ENCLOSING CONDITIONED SPACE SHALL BE WEATHERSTRIPPED OR OTHERWISE TIGHTLY SEALED TO MINIMIZE AIR LEAKAGE.

4. EXTERIOR DOORS AND DOORS ENCLOSING CONDITIONED SPACE SHALL MINIMIZE AIR LEAKAGE AROUND THEIR PERIMETER WHEN IN A CLOSED POSITION.

5. WHERE MULTIPLE SWITCHES OR RECEPTACLES ARE LOCATED IN NEAR VICINITY, THE CONTRACTOR SHALL GANG SWITCHES OR RECEPTACLES UP TO THE MAXIMUM WIDTH AVAILABLE FOR FACE PLATES.

6. ALL SWITCHES AND/OR RECEPTACLES MOUNTED ABOVE COUNTERS SHALL BE INSTALLED SO THAT LENGTH OF FACE PLATE IS ORIENTED HORIZONTALLY.

FIRE SAFETY NOTES

1. STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS AND THIS CHAPTER. (NFPA 1, 2021 EDITION WITH LOCAL AMENDMENTS)

2. FIRE SAFETY DURING ALTERATION: SEE MECHANICAL DRAWINGS FOR ADDITIONAL NOTES.

A.WHERE THE BUILDING IS PROTECTED BY FIRE PROTECTION SYSTEMS, SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION.

B.WHERE ALTERATION REQUIRES MODIFICATION OF A PORTION OF FIRE PROTECTION SYSTEMS, THE REMAINDER OF THE SYSTEM SHALL BE KEPT IN SERVICE AND THE FIRE DEPARTMENT SHALL BE NOTIFIED.

C.WHEN IT IS NECESSARY TO SHUT DOWN THE SYSTEM, THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE ALTERNATE MEASURES OF PROTECTION UNTIL THE SYSTEM IS RETURNED TO SERVICE.

D.AS NECESSARY, DURING EMERGENCIES, MAINTENANCE, DRILLS, PRESCRIBED TESTING, ALTERATIONS, OR RENOVATION, PORTABLE OR FIXED FIRE-EXTINGUISHING SYSTEMS OR DEVICES OR ANY FIRE-WARNING SYSTEM SHALL BE PERMITTED TO BE MADE INOPERABLE OR INACCESSIBLE. A FIRE WATCH SHALL BE REQUIRED AS SPECIFIED IN SECTIONS 13.1.11, 13.3.3.6.5.2, 13.7.1.5.3, 16.5.4, 34.5.4.3, 34.6.3.3, AND CHAPTER 41 AT NO COST TO THE AHJ. NFPA 1, 2018 WITH LOCAL AMENDMENTS.

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SCALE:

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225057-01	T-003
SHEET ISSUE DATE:	
2/27/26	

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ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED

&	AND
∠	ANGLE
@	AT
℄	CENTER LINE
∅	DIAMETER
'	FOOT; FEET
"	INCH
%	PERCENT
⊥	PERPENDICULAR
#	POUND OR NUMBER
ℙ	PROPERTY LINE
(E)	EXISTING
(N)	NEW
W/	WITH

A

A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ABBREV	ABBREVIATION
ABV	ABOVE
AC	ASPHALT CONCRETE
ACC	ACCESSIBLE
ACP	ACOUSTIC PANEL
ACCU	AIR COOLED CONDENSING UNIT
ACT	ACOUSTICAL CEILING TILE
ACOUS	ACOUSTICAL
ADA	AMERICAN WITH DISABILITIES ACT
AD	AREA DRAIN
ADD	ADDITIVE, ADDENDUM
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
ADJA	ADJACENT
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AL/ALUM	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
AWRB	AIR / WATER RESISTIVE BARRIER

B

BATHRM	BATHROOM
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLVD	BOULEVARD
BM	BEAM
BOH	BACK OF HOUSE
BOT	BOTTOM
BR	BEDROOM
BRG	BEARING
BRKT	BRACKET
BS	BOTH SIDES
BTWN	BETWEEN
BUR	BUILT-UP ROOFING

C

CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CEM PLAS	CEMENT PLASTER
CER	CERAMIC
CG	CORNER GUARD
CI	CAST IRON
CIP	CAST IN PLACE
CJ	CONSTRUCTION OR CONTROL JOINT
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNITS
CNTR	COUNTER
CO	CLEAN OUT; CASED OPENING
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS; CONTINUE
COORD	COORDINATE
CONTR	CONTRACTOR
COP	COPPER
CORR	CORRIDOR
COTD	CLEAN OUT TO DRAIN
CPT	CARPET
CRM	CONC RUBBLE MASONRY
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSINK
CW	COLD WATER

D

D	DRYER; DEEP; DEPTH
DA	DOUBLE ACTING
DBL	DOUBLE
DD	DECK DRAIN
DECOR	DECORATIVE
DEFS	DIRECT EXTERIOR FINISH SYSTEM
DEMO	DEMOLITION; DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGRAM
DIM	DIMENSION
DISP	DISPENSER
DN	DOWN
DPTN	DEMOUNTABLE PARTITION
DR	DOOR
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DW	DISHWASHER
DWG	DRAWING
DWR	DRAWER

E

E	EAST
(E)	EXISTING
EA	EACH
EC	ELASTOMERIC COATING
EFS	EXTERIOR FINISH SYSTEM
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EPS	EXPANDED POLYSTYRENE
EQ	EQUAL
EQPT	EQUIPMENT
EXP	EXPANSION
EWC	ELEC. WATER COOLER
EXIST	EXISTING
EXT	EXTERIOR

F

F	FEMALE
FA	FIRE ALARM
FAB	FABRICATE
FAWP	FLUID APPLIED WATERPROOFING
FB	FLAT BAR
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC-S	FIRE EXTINGUISHER CABINET-SURFACE
FEC-SR	FIRE EXTINGUISHER CABINET-SEMI RECESSED
FEC-R	FIRE EXTINGUISHER CABINET-RECESSED
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FF&E	FURNITURE, FIXTURE & EQUIPMENT
FHC	FIRE HOSE CABINET
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
FLASH'G	FLASHING
FLDG	FOLDING
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS, SLAB OR STRUCTURE
FOW	FACE OF WALL
FR	FRAME
FRP	FIBERGLASS REINFORCED PLASTIC
FRPF	FIREPROOF
FRT	FIRE RETARDANT TREATED
FS	FULL SIZE; FLOOR SINK
FT	FOOT OR FEET
FTF	FACE OF FINISH TO FACE OF FINISH
FTG	FOOTING
FURR	FURRING; FURRED
FUT	FUTURE

G

GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GFRC	GLASS FIBER REINFORCED CONCRETE
GI	GALVANIZED IRON
GL	GLASS
GLT	GLASS TILE
GLULAM	GLUE LAMINATED WOOD BEAM
GND	GROUND
GR	GRADE
GRN	GRANITE
GS	GYPSUM SHEATHING
GWB	GYPSUM WALL BOARD
GYP	GYPSUM

H

H	HIGH
HB	HOSE BIBB
HC	HOLLOW CORE
HD	HEAD; HAND DRYER
HDCP	HANDICAPPED
HDWD	HARDWOOD
HDWE	HARDWARE
HT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR; HANDRAIL
HS	HAND SINK
HT	HEIGHT
HP	HIGH POINT
HVAC	HEATING, VENTILATION & AIR CONDITIONING

I

ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUSIVE, INCLUDED OR INCLUDING
INSUL	INSULATION
INT	INTERIOR
INTEG	INTEGRATED
INFO	INFORMATION
INV	INVERT

J

JAL	JALOUSIE
JAN	JANITOR
JB	JUNCTION BOX
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT

K

KD	KNOCK DOWN
KIT	KITCHEN
KO	KNOCK OUT

L

L	
LAB	
LAM	
LAV	
LB	
LDG	
LF	
LH	
LOC	
LR	
LT	
LP	
LVR	

M

M	MALE
MAR	MARBLE
MAS	MASONRY
MAX	MAXIMUM
MAT	MATERIAL
MB	MACHINE BELT
MBR	MASTER BEDROOM
MC	MEDICINE CABINET
MECH	MECHANICAL
MEMB	MEMBRANE
MET/MTL	METAL
MFR	MANUFACTURER
MH	MANHOLE; MOP HOLDER
MIN	MINIMUM
MISC	MISCELLANEOUS
MLDG	MOLDING
MR	MIRROR
MO	MASONRY OPENING
MS	MOP SINK
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MUL	MULLION
MUN	MUNTIN

N

N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE

O

OA	OVERALL
OBS	OBSCURED
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHANG
OI	OWNER INSTALLED
OPNG	OPENING
OPP	OPPOSITE
OVHD	OVERHEAD

P

PC	PIECE
PD	PLANTER DRAIN
PERIM	PERIMETER
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATE
PREP	PREPARATION
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PT	PAINT, POINT
PTD	PAPER TOWEL DISPENSER
PTDR	PAPER TOWEL DISPENSER AND RECEPTACLE
PTN	PARTITION
PIP	POURED IN PLACE
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT

Q

QT	QUARRY TILE

R

R	RISER, RADIUS
RAD	RADIUS
RB	RESILIENT BASE
RC	RAIN CHAIN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REC	RECESSED
REF	REFERENCE
REFL	REFLECTED
REFER	REFRIGERATOR
REINF	REINFORCED OR REINFORCING
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISED, REVISION OR REVERSED
RF	ROOF, RESILIENT FLOOR
RFG	ROOFING
RGH	ROUGH
RGTR	REGISTER
RH	ROBE HOOK, RIGHT HAND
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
RWC	RAIN WATER CONDUCTOR
RWD	REDWOOD
RWL	RAIN WATER LEADER

S

S	
SA	SOUTH
SAFB	SINGLE ACTING
SB	SOUND ATTENUATION FIRE BLANKET
SC	SPLASH BLOCK
SCD	SCALE OR SOLID CORE
SCHED	SEAT COVER DISPENSER
SCP	SCHEDULE
SCR	SCUPPER
SD	SCREEN
SEC	SMOKE DETECTOR; SOAP DISPENSER
SEP	SECTION
SF	SEPARATION
SFRM	SQUARE FOOT
SH	SPRAY APPLIED FIRE RESISTIVE MATERIAL
SHR	SHELF
SHT	SHOWER
SHTG	SHEET
SIM	SHEATHING
SL	SIMILAR
SLDG	SLOPE
SLNT	SLIDING
SM	SEALANT
SND	SHEET METAL
SP	SANITARY NAPKIN DIPOSAL
SPEC	SOLID PHENOLIC
SQ	SPECIFICATION
SS	SQUARE
SSMR	SOLID SURFACE
SST	STANDING SEAM METAL ROOF
ST	STAINLESS STEEL
STA	STONE
STD	STATION
STL	STANDARD
STN	STEEL
STOR	STAIN
STRL	STORAGE
STRUC	STRUCTURAL
SURR	STRUCTURE
SUSP	SURROUND
SVC	SUSPENDED
SW	SERVICE
SYM	SWITCH
SYS	SYMMETRICAL
	SYSTEM

T

T	TREAD
TB	TOWEL BAR
TBB	TILE BACKER BOARD
TBD	TO BE DETERMINED
TD	TRENCH DRAIN
TEL	TELEPHONE
TEMP	TEMPERED; TEMPORARY
TG	TEMPERED GLASS
T&G	TONGUE & GROOVE
THK	THICK; THICKNESS
THR	THRESHOLD
THRU	THROUGH
TJ	TOOLED JOINT
TLT	TOILET
TO ( )	TOP OF (ITEM)
TOC	TOP OF CURB
TOP	TOP OF PAVEMENT
TOW	TOP OF WALL
TP	TOILET PARTITION
TPD	TOILET PAPER DISPENSER
TPH	TOILET PAPER HOLDER
TPT	TEXTURED PAINT
TR	TOWEL RING
TS	TENSILE STRUCTURE
TRANS	TRANSITION
TSC	TOILET SEAT COVER
TTD	TOILET TISSUE DISPENSER
TTH	TUMBLER & TOOTHBRUSH HOLDER
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL

U

UC	UNDERCUT
UL	UNDERWRITER'S LABORATORY
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UR	URINAL

V

VAR	VARIES
VAT	VINYL ASBESTOS TILE
VCT	VINYL COMPOSITION TILE
VER	VERIFY
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VOL	VOLUME
VP	VENEER PLASTER
VTR	VENT THROUGH ROOF

W

W	WEST; WASHER; WIDE; WIDTH
W/	WITH
WC	WATER CLOSET; WALL COVERING
WD	WOOD
W/D	WASHER DRYER STACKED
WDW	WINDOW
WGL	WIRE GLASS
WH	WALL HYDRANT
WJ	WALL JOINT
WO	WHERE OCCURS
W/O	WITHOUT
WP	WATERPROOF
WPT	WORK POINT
WR	WATER RESISTANT
WRD	WARDROBE
WSCT	WAINSCOT
WT	WEIGHT
WHL	WEEP HOLE
WSP	WET STANDPIPE
WWF	WELDED WIRE FABRIC

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
2/27/2026

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
ABBREVIATIONS

SCALE: 1" = 1'-0"

DRAWN BY:	CHECKED BY:
Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	T-004

SHEET ISSUE DATE: 2/27/26

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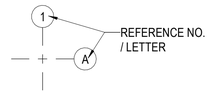
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SYMBOLS

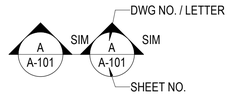
DRAWING DESIGNATION / TITLES



COLUMN LINE / GRID LINE



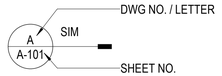
BUILDING SECTION



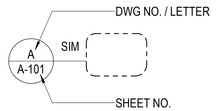
WALL SECTION OR DETAIL SECTION



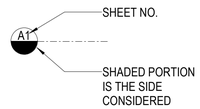
DETAIL



SECTION / DETAIL CALLOUT



MATCHLINE



ROOM TAG



AREA TAG

ELEVATION CHANGE



SLOPE



DOOR MARK

WINDOW TYPE (no. desig.)

LOUVER MARK (letter desig.)

PARTITION MARK

KEYNOTE MARK

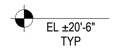


REVISION



REVISION CLOUD

FINISH CEILING ELEVATION CHANGE



WORKING POINT, CONTROL POINT OR DATUM POINT



WPT / CONTROL PT OR DATUM POINT



POINT ELEVATION



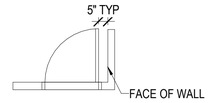
ELEVATION CALL OUT

ELEVATION CALL OUT

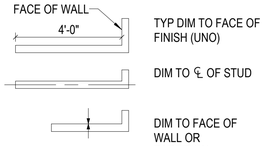
ELEVATION CALL OUT

ELEVATION CALL OUT

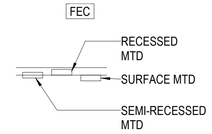
TYP JAMB CONDITION (UNO)



DIMENSIONS



FIRE EXTINGUISHER CABINET



5'-0" ADA TURNING CIRCLE



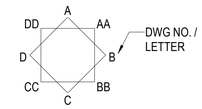
ADA MOBILIITY UNIT



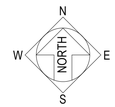
ADA HEARING IMPAIRED UNIT



KEY TO INTERIOR ELEVATIONS



NORTH ARROW



G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS

2/27/2026

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

SYMBOLS

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

DRAWN BY:	CHECKED BY:
Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	T-005
SHEET ISSUE DATE:	
12/23/25	

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GENERAL

DESCRIPTION OF WORK:
WORK INCLUDES DEMOLITION OF EXISTING EXTERIOR RAMPS, STAIRS AND CANOPY ROOF AND INTERIOR PARTITION, CEILING, PLUMBING FIXTURES, MILLWORK AND INTERIOR FINISHES AND LIGHTING THROUGHOUT. NEW CONSTRUCTION OF EXPANDED EMERGENCY DEPARTMENT WITH NEW CONCRETE WALLS, ROOF, RAMPS, STAIRS, PITCHED ROOF AND FLAT ROOFS, AND INTERIOR PARTITION, CEILINGS, PLUMBING FIXTURES, MILLWORK AND INTERIOR FINISHES AND LIGHTING THROUGHOUT

PROJECT LOCATION AND DESCRIPTION:
4800 KAWAIHAU ROAD
KAPAA, HI 96746

THE PROJECT IS LOCATED AT THE SAMUEL MAHELONA MEMORIAL HOSPITAL

TAX MAP KEY: 4-6-014:113

REFERENCE CODES

2018 IBC W/ COUNTY OF KAUAI AMENDMENTS
2018 IEBC (INTERNATIONAL EXISTING BUILDING CODE) W/ COUNTY OF KAUAI AMENDMENTS
2021 UNIFORM PLUMBING CODE W/ STATE OF HAWAII AMENDMENTS
2020 NATIONAL ELECTRICAL CODE W/ COUNTY OF KAUAI AMENDMENTS
2018 INTERNATIONAL ENERGY CONSERVATION CODE W/ LOCAL AMENDMENTS
2010 ADAAG (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES - REFERENCING IBC 2003)
2021 NFPA 1: UNIFORM FIRE CODE W/ COUNTY OF KAUAI AMENDMENTS
DEPT OF HEALTH (DOH) HAWAII ADMINISTRATIVE RULES, TITLE II,
CH 39 - AIR CONDITIONING AND VENTILATION

COUNTY OF KAUA'I
CHAPTER 12, KAUA'I COUNTY BUILDING CODE
KAUA'I COUNTY CODE 1987, AS AMENDED
ARTICLE 6 - ENERGY CONSERVATION CODE

COMPLIANCE METHOD
Check applicable method

☐	2018 IECC as amended. Mandatory & Prescriptive
☐	2018 IECC as amended. Mandatory & Total Building Performance
☐	ASHRAE Standard 90.1-2016. Mandatory & Prescriptive
☐	ASHRAE Standard 90.1-2016. Mandatory & Energy Cost Budget Method

INFORMATION IN CONSTRUCTION DOCUMENTS	YES	N/A
Roof insulation R-value	☐	☐
Roof insulation type and location	☐	☐
Roof membrane solar reflectance and thermal emittance	☐	☐
Wall insulation R-value	☐	☐
Wall insulation type and location	☐	☐
Window SHGC	☐	☐
Window U-factor	☐	☐
Skylight SHGC	☐	☐
Skylight U-factor	☐	☐

To the best of my knowledge, this project's design substantially conforms to:
Section 12-6.3 Adoption of the International Energy Conservation Code (IECC)
Section 12-6.4 Local Amendments to the IECC
For **building envelope components** (Section C402).

Signature: _____ Date: _____
Name: _____
Title: _____
License No: _____

BUILDING CODE SUMMARY

BUILDING INFORMATION:
OCCUPANCY(S) (SECTION 308.3.1.2): GROUP I-2 - HOSPITAL, CONDITION 2

TYPE OF CONSTRUCTION: EXISTING TYPE 1B

FIRE PROTECTION: SPRINKLERED THROUGHOUT

FLOOR AREA (TABLE 506.2)
ALLOWABLE: UNLIMITED
ACTUAL: 4,059 SF

NUMBER OF STORIES / HEIGHT (FT) (TABLE 504.3 & TABLE 504.4)
IBC ALLOWABLE: 5/180'-0"
ACTUAL: 1 / 24'-0"

FIRE RESISTANCE RATINGS

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):

BUILDING ELEMENT	FIRE RESISTANCE RATING (HRS)
PRIMARY STRUCTURAL FRAME	1, SUPPORTING ROOF ONLY
BEARING WALLS	
• EXTERIOR	2
• INTERIOR	1, SUPPORTING ROOF ONLY
NONBEARING WALLS AND PARTITIONS	
• EXTERIOR (TABLE 602)	1, FSP > 30'-0"
• INTERIOR	0
FLOOR CONSTRUCTION	2
ROOF CONSTRUCTION	1

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS (TABLE 602):

FIRE SEPARATION DISTANCE	CONSTRUCTION TYPE	GROUP I-2 OCCUPANCY
X <5'	ALL	1 HOUR
X > OR = 5' AND < 10'	ALL (EXCEPT IA)	1 HOUR
X > OR = 10' AND < 30'	IIB, VB	1 HOUR
X > OR = 30'		0 HOUR

FIRE PROTECTION SYSTEMS

AUTOMATIC SPRINKLER SYSTEMS: (903.2.6)
BUILDINGS SHALL BE FULLY SPRINKLERED THROUGHOUT TO COMPLY WITH THE REQUIREMENTS FOR MIXED USE OCCUPANCIES WITH NON SEPARATED USES. MOST RESTRICTIVE OCCUPANCY IS I-2.

STANDPIPE SYSTEMS:
PROVIDED

PORTABLE FIRE EXTINGUISHERS: (906.1)
AS REQUIRED BY INTERNATIONAL FIRE CODE.

FIRE ALARM AND DETECTION SYSTEMS: (907.2.6.2)
PROVIDED

NOTES:
1. EXISTING BUILDINGS ARE FULLY SPRINKLERED.
2. EXISTING SPRINKLER SYSTEM ON FIRST FLOOR WILL BE MODIFIED TO PROVIDE FULLY SPRINKLERED COVERAGE THROUGHOUT ALL AREAS OF THE PROJECT AREA.
3. SEE ELEC, MECH, AND FIRE PROTECTION SHEETS FOR FIRE PROTECTION SYSTEMS AND REQUIREMENTS

PLUMBING FIXTURES

MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (TABLE 2902.1):

OCCUPANCY(S): GROUP I-2 HOSPITAL
INSTITUTIONAL - VISITORS IN HOSPITALS
TOTAL OCCUPANT LOAD: 17

WATER CLOSETS: 1 PER 75 = 3
LAVATORIES: 1 PER 100 = 3
BATHTUBS OR SHOWERS: N/A
DRINKING FOUNTAINS: 1 PER 500 = TBD
OTHER: 1 SERVICE SINK

INTERIOR FINISHES

WALL AND CEILING FINISHES (TABLE 803.13): SPRINKLERED

GROUP	EXIT ENCL/ PASSAGEWAYS	CORRIDORS	ROOM/ ENCLOSED SPACES
I-2	B	B	B

NOTES:
1. REQUIREMENTS BASED ON FULLY SPRINKLERED BUILDINGS.

INTERIOR FLOOR FINISH (SEC 804.4.2):
CLASS I

ZONING SUMMARY

ZONING INFORMATION

LAND AREA	
AREA (SF):	1,469,802 SF
AREA (ACRES):	33.7420 ACRES
SPECIAL MANAGEMENT AREA (SMA):	NO
LOT RESTRICTIONS:	SPECIAL DEVELOPMENT AREA
STATE LAND USE:	URBAN
FEMA FLOOD DESIGNATION:	N/A
ZONING DISTRICT:	R-1/ST-P
REQUIRED SETBACKS	
FRONT:	10 FT
SIDE/REAR:	5 FT OR 1/2 BUILDING HEIGHT WHICH EVER IS GREATER
FLOOR AREA RATIO (FAR):	N/A
FLOOR AREA CALCULATIONS	
MAXIMUM ALLOWABLE FLOOR AREA:	70% LOT
ACTUAL FLOOR AREA:	4,095 SF (PROJECT AREA)
BUILDING HEIGHT	
MAXIMUM ALLOWABLE BUILDING HEIGHT:	30'-0"
ACTUAL BUILDING HEIGHT:	25'-0"
LOT COVERAGE:	30%

PARKING INFORMATION

OFF-STREET PARKING SPACES REQUIREMENTS	
TOTAL PARKING SPACES REQUIRED:	1.5 SPACES/ DWELLING UNITS, PER PLANNING DIRECTOR
TOTAL PARKING SPACES PROVIDED:	11 SPACES
OFF-STREET LOADING SPACES REQUIREMENTS	
TOTAL LOADING SPACES REQUIRED:	N/A
TOTAL LOADING SPACES PROVIDED:	2 SPACES
ADA ACCESSIBLE PARKING SPACE REQUIREMENTS:	
STANDARD ACCESSIBLE PARKING REQUIREMENTS	
TOTAL STANDARD ACCESSIBLE PARKING SPACES REQUIRED:	1 SPACES
TOTAL STANDARD ACCESSIBLE PARKING SPACES PROVIDED:	2 SPACES
VAN ACCESSIBLE PARKING REQUIREMENTS	
TOTAL VAN ACCESSIBLE PARKING SPACES REQUIRED:	1 SPACES
TOTAL VAN ACCESSIBLE PARKING SPACES PROVIDED:	1 SPACES

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
BUILDING CODE SUMMARY, ZONING SUMMARY

SCALE:

DRAWN BY:	CHECKED BY:
Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	T-006
SHEET ISSUE DATE: 2/27/26	

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EGRESS AND EXITING

EGRESS STAIRWAYS (SEC 1005.3.1/ 1011.2)

EGRESS WIDTH PER OCCUPANT SERVED (INCHES PER OCCUPANT): 0.2 x 25 OCCUPANT LOAD = 5, 44" MIN EGRESS
(EXCEPTION 1 FOR BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM)

OTHER EGRESS WIDTH (SEC 1005.3.2/ 1010.1.1)

EGRESS WIDTH PER OCCUPANT SERVED (INCHES PER OCCUPANT): 0.15 x 25 OCCUPANT LOAD = 3.75, 32" MIN CLEAR OPENING WIDTH
(EXCEPTION 1 FOR BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM)

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS (TABLE 1006.2.1)

WITH AUTOMATIC SPRINKLER SYSTEM
OCCUPANCY I-2: MAXIMUM OCCUPANT LOAD OF 10 FOR ONE EXIT: TWO EXITS REQUIRED

COMMON PATH OF TRAVEL (TABLE 1006.2.1)

OCCUPANCY I-2 - SHALL NOT EXCEED 75'-0"

NUMBER OF EXITS PER STORY (TABLE 1006.3.2)

OCCUPANT LOAD: 1 - 500
MINIMUM NUMBER OF EXITS (PER STORY): 2

EXIT AND EXIT ACCESS DOORWAY CONFIGURATION (SEC 1007.1.1)

EXCEPTION 2: FOR BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM
WHERE TWO EXITS ARE REQUIRED, THEY SHALL BE PLACED A DISTANCE APART EQUAL TO, NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGIONTAL DIMENSION OF THE AREA SERVED.

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)

WITH SPRINKLER SYSTEM
OCCUPANCY I-2: MAXIMUM EXIT ACCESS TRAVEL DISTANCE = 200'-0"

ACCESSIBLE MEANS OF EGRESS REQUIRED (SEC 1009.1)

WHERE MORE THAN ONE ACCESSIBLE MEANS OF EGRESS IS REQUIRED, EACH SPACE SHALL BE SERVED BY NOT LESS THAN TWO ACCESSIBLE MEANS OF EGRESS PROVIDED: 2

CARE SUITE SEPARATION (SEC 407.4.4.2)

CARE SUITES SHALL BE SEPARATED FROM OTHER PORTIONS OF THE BUILDING, INCLUDING OTHER CARE SUITES, BY A SMOKE PARTITION COMPLYING WITH SECTION 710.

CARE SUITE AREA (SEC 407.4.4.6.1)

CARE SUITES OF ROOMS, OTHER THAN SLEEPING ROOMS, SHALL HAVE AN AREA NOT GREATER THAN 12,500 SQUARE FEET.
EXCEPTION: CARE SUITES NOT CONTAINING SLEEPING ROOMS SHALL BE PERMITTED TO BE NOT GREATER THAN 15,000 SQUARE FEET IN AREA WHERE AN AUTOMATIC SMOKE DETECTION SYSTEM IS PROVIDED THROUGHT THE CARE SUITE IN ACCORDANCE WITH SECTION 907.

CARE SUITE EXIT ACCESS (SEC 407.4.4.6.2)

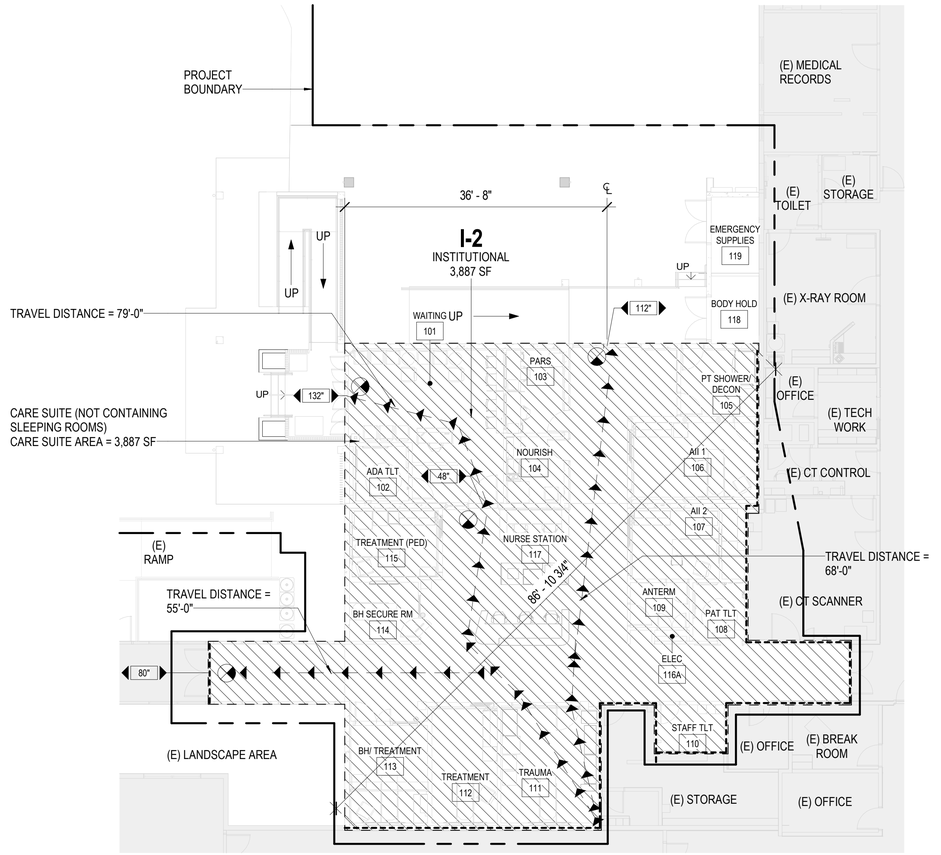
CARE SUITES OF ROOMS, OTHER THAN SLEEPING ROOMS, WITH AN AREA OF MORE THAN 2,500 SQUARE FEET SHALL HAVE NOT FEWER THAN TWO EXIT ACCESS DOORS FROM THE CARE SUITE LOCATED IN ACCORDANCE WITH 1007.

OCCUPANT LOAD (TABLE 1004.5):

ROOM NUMBER	ROOM NAME	AREA	OCCUPANT LOAD FACTOR	OCCUPANCY LOAD	DESIGN LOAD	FUNCTION
101	WAITING	382 SF	15	25.5	2	ASSEMBLY - UNCONCENTRATED
102	ADA TLT	57 SF	300	0.2	1	ACCESSORY
103	PARS	91 SF	150	0.6	1	BUSINESS
104	NOURISH	75 SF	240	0.3	1	INPATIENT TREATMENT AREAS
105	PT SHOWER/ DECON	98 SF	240	0.4	1	INPATIENT TREATMENT AREAS
106	AII 1	183 SF	240	0.8	1	INPATIENT TREATMENT AREAS
107	AII 2	119 SF	240	0.5	1	INPATIENT TREATMENT AREAS
108	PAT TLT	59 SF	240	0.2	1	INPATIENT TREATMENT AREAS
109	ANTERM	51 SF	240	0.2	1	INPATIENT TREATMENT AREAS
110	STAFF TLT	60 SF	240	0.2	1	INPATIENT TREATMENT AREAS
111	TRAUMA	222 SF	240	0.9	1	INPATIENT TREATMENT AREAS
112	TREATMENT	149 SF	240	0.6	1	INPATIENT TREATMENT AREAS
113	BH/ TREATMENT	99 SF	240	0.4	1	INPATIENT TREATMENT AREAS
114	BH SECURE RM	79 SF	240	0.3	1	INPATIENT TREATMENT AREAS
115	TREATMENT (PED)	111 SF	240	0.5	1	INPATIENT TREATMENT AREAS
116	ED CIRCULATION	1175 SF	240	4.9	5	INPATIENT TREATMENT AREAS
116A	ELEC	7 SF	240	0.0	1	INPATIENT TREATMENT AREAS
117	NURSE STATION	194 SF	240	0.8	1	INPATIENT TREATMENT AREAS
118	BODY HOLD	63 SF	300	0.2	1	ACCESSORY
119	EMERGENCY SUPPLIES	71 SF	300	0.2	1	ACCESSORY
TOTAL				37.9	25	

LIFE SAFETY LEGEND

- 2 HOUR FIRE RATED
- 1 HOUR FIRE RATED
- SMOKE BARRIER
- SMOKE PARTITION
- FEC-S / FEC-R / FEC-SR — FIRE EXTINGUISHER CABINET
- 36" — EXIT WIDTH
- 20 — 20 MINUTE DOOR RATED ASSEMBLY
- C 45 — 45 MINUTE RATED CLASS "C" DOOR RATED ASSEMBLY
- B 60 — 1 HOUR RATED CLASS "B" DOOR RATED ASSEMBLY
- B 90 — 1-1/2 HOUR RATED CLASS "B" DOOR RATED ASSEMBLY
- EGRESS PATH AND TRAVEL DISTANCE
- EXIT SIGN
- I-2 INSTITUTIONAL



1 LIFE/SAFETY DIAGRAM
SCALE: 1" = 10'-0"

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REVISIONS

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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DRAWING TITLE

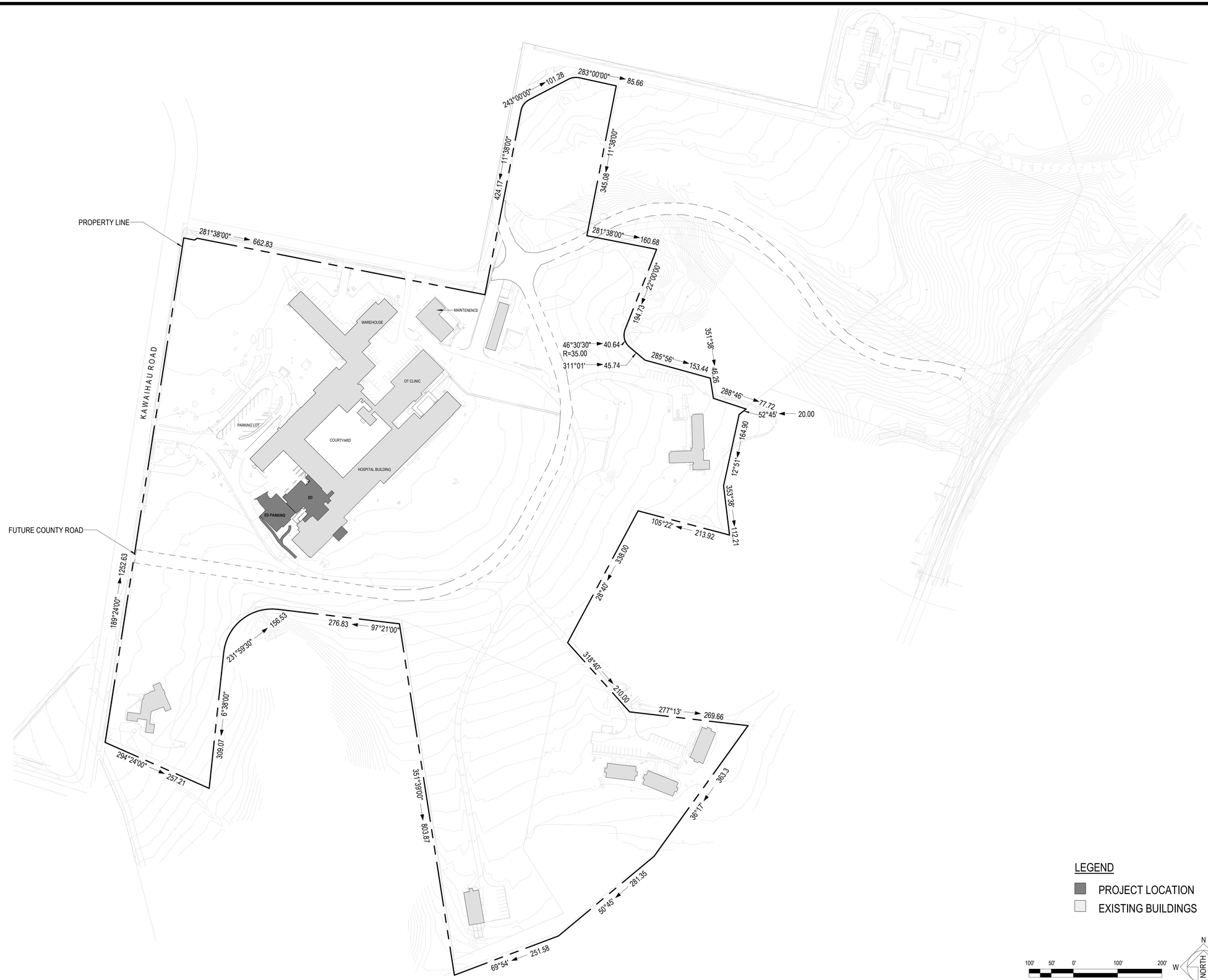
OCCUPANCY LOAD, EXIT CALCULATION, AND LIFE SAFETY DIAGRAM

SCALE: As indicated

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225057-01	T-007
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LEGEND

- PROJECT LOCATION
- EXISTING BUILDINGS

100' 50' 0' 100' 200'

N W NORTH E S

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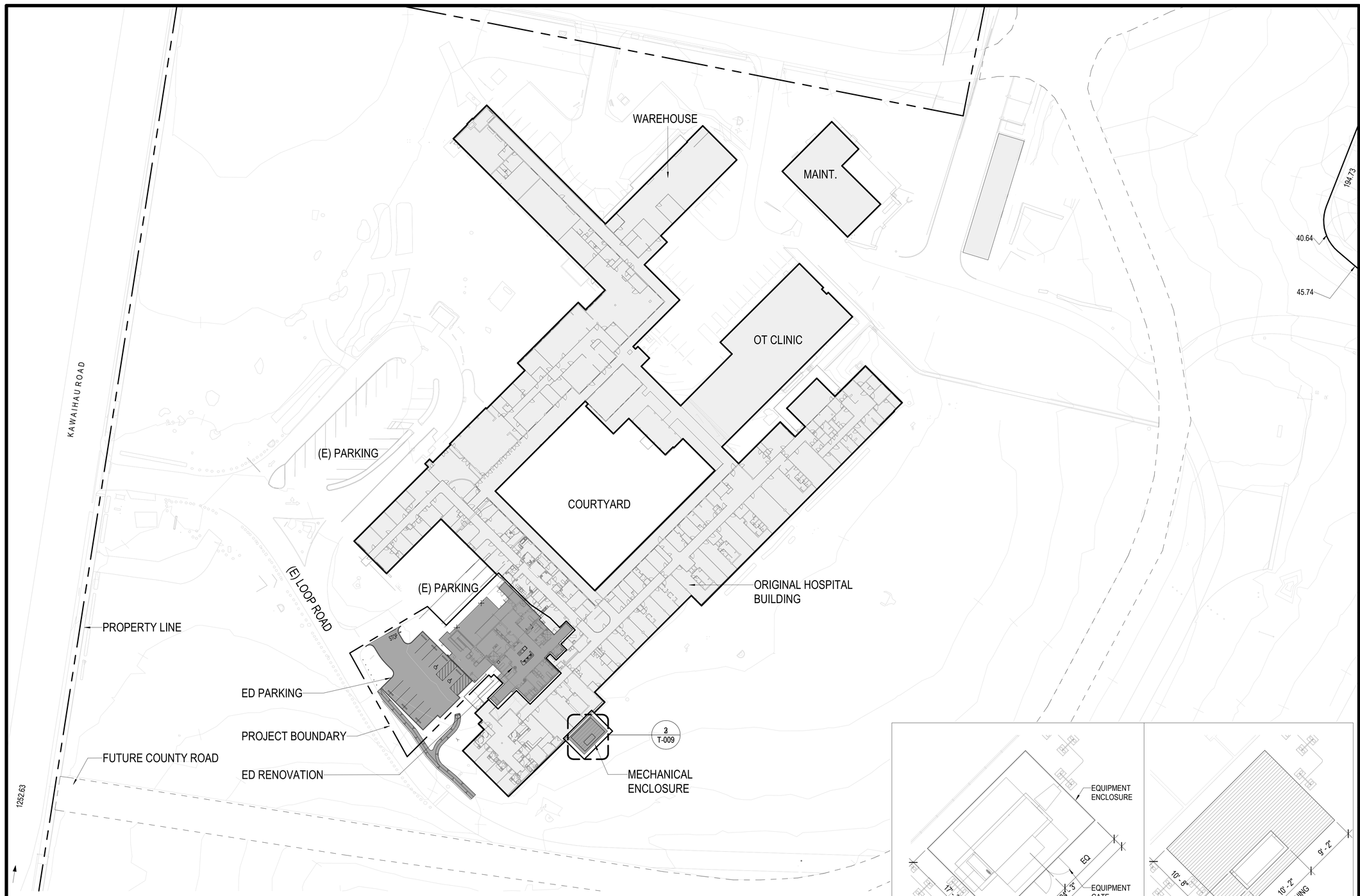
DRAWING TITLE
SITE PLAN

SCALE: As indicated

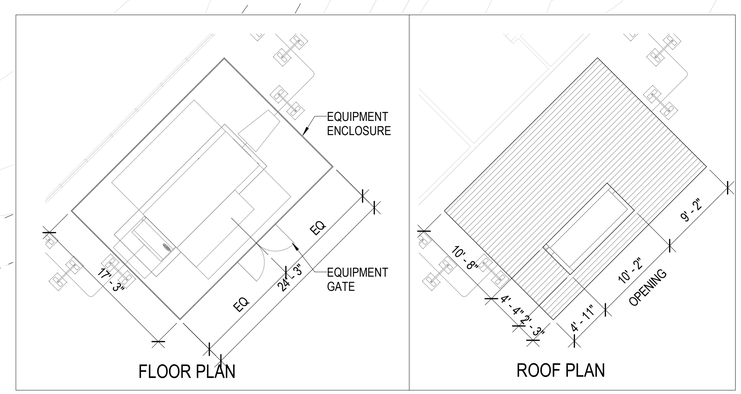
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1 ARCHITECTURAL SITE PLAN
SCALE: 1" = 40'-0"



2 MECH YARD/FENCING
SCALE: 1/8" = 1'-0"

4' 2' 0' 4' 8'
N
W
E
S
NORTH

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

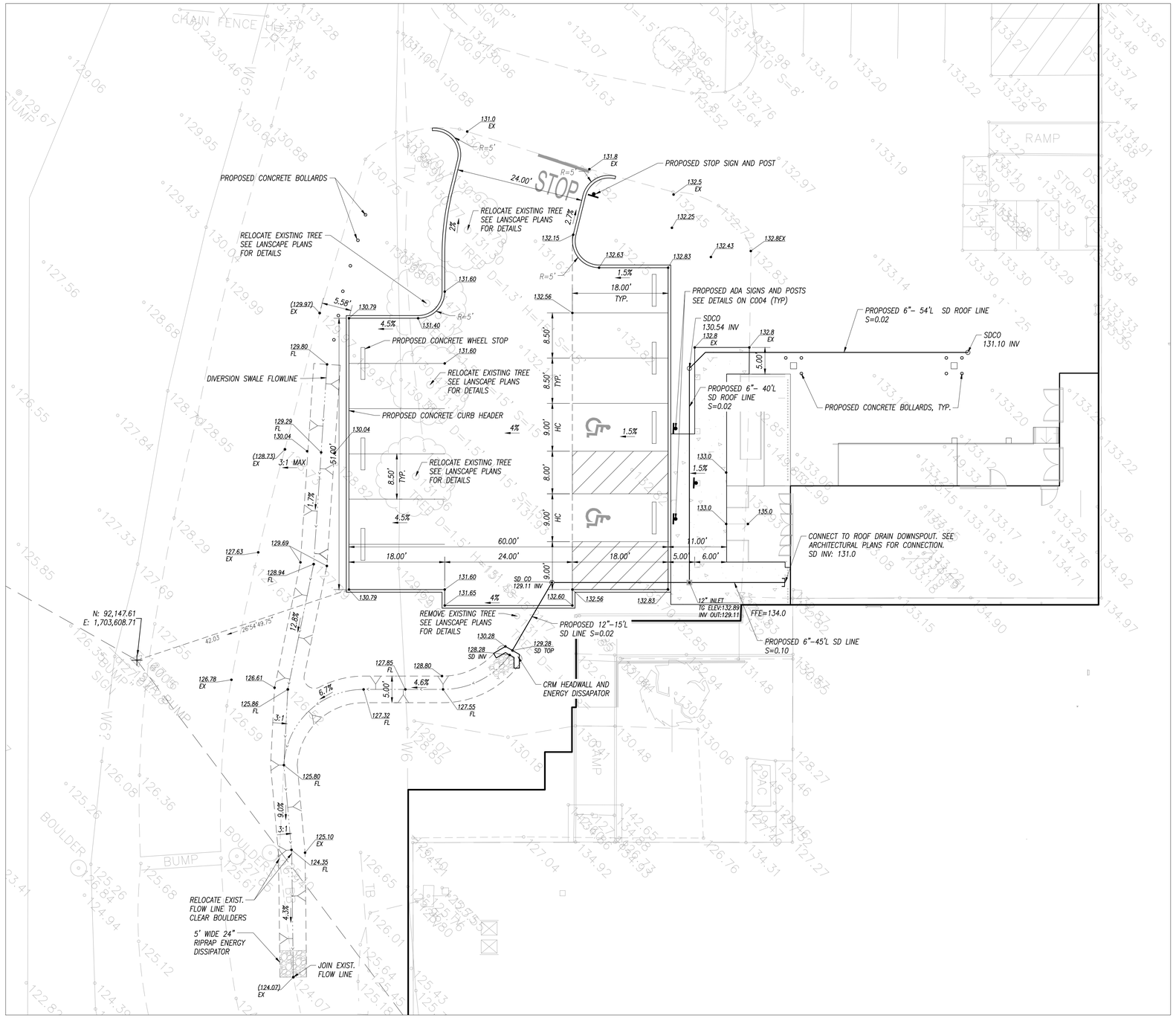
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DRAWING TITLE
ARCHITECTURAL SITE PLAN

SCALE: As indicated

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LEGEND

- PROPERTY LINE
- LIMITS OF GRADING
- GRADE BREAK LINE
- ASPHALT CONCRETE
- CONCRETE
- VEGETATION
- 6" CONCRETE HEADER
- D6 — PROPOSED DRAINAGE LINE
- SIGN AND POST

10 5 0 10 20
SCALE IN FEET

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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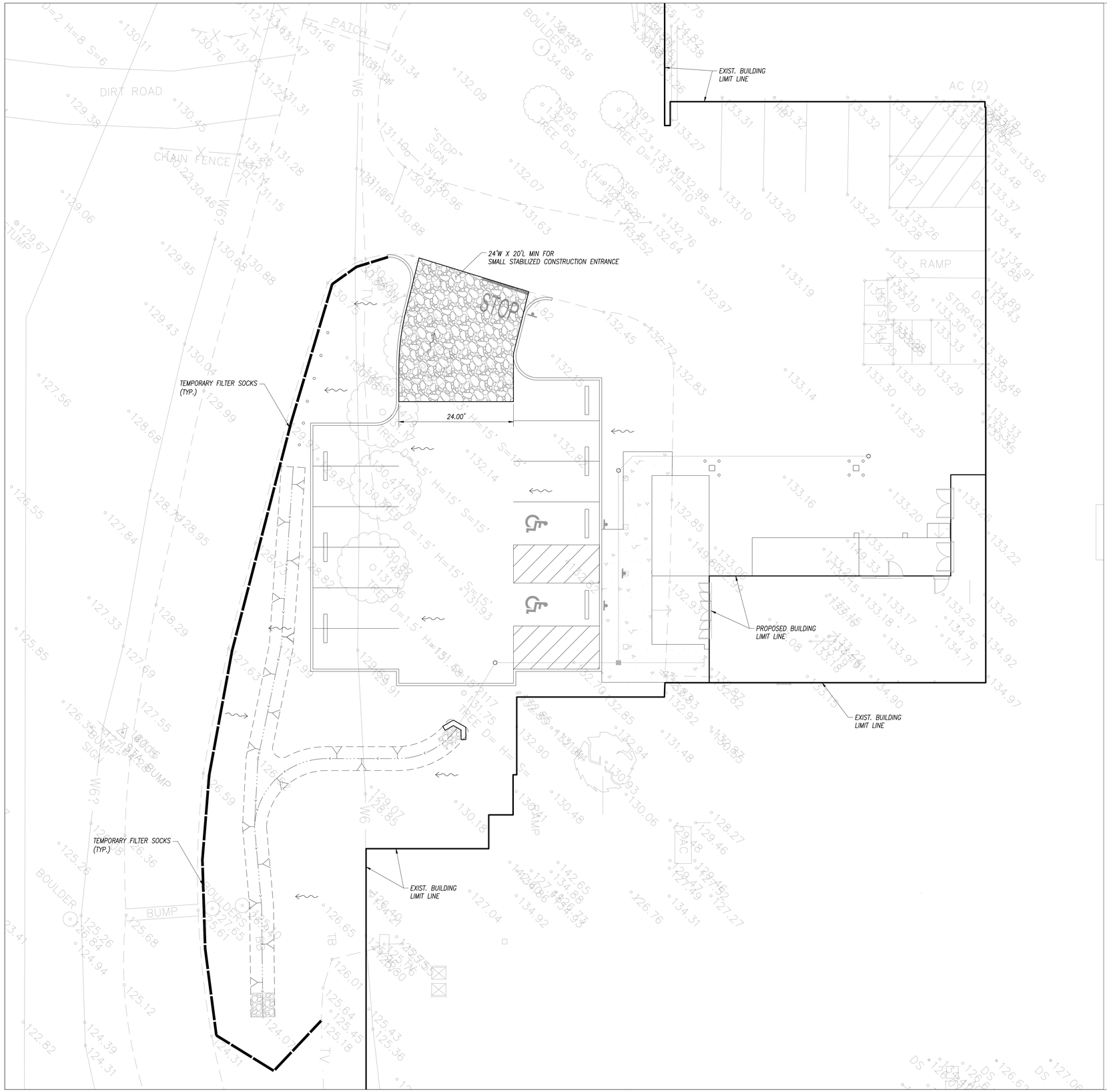
DRAWING TITLE
SITE AND GRADING PLAN

SCALE:

DRAWN BY:	CHECKED BY:
TMC	KW

PROJECT NO.	DRAWING NO.
225057-01	C001
SHEET ISSUE DATE: 12/23/25	

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LEGEND

- TEMPORARY FILTER SOCK
- TEMPORARY SILT FENCE
- CONSTRUCTION ENTRANCE
- EXISTING BLUIDGING LIMITS

20 10 0 10 20

SCALE IN FEET

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PROJECT TITLE

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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DRAWING TITLE
EROSION CONTROL PLAN

SCALE:

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	C002
SHEET ISSUE DATE: 12/23/25	

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EROSION CONTROL/BEST MANAGEMENT PRACTICES (BMP) NOTES:

1. REFER TO EROSION CONTROL BMP DETAILS ON THIS SHEET.
2. EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO START OF PROJECT AND BE MAINTAINED UNTIL COMPLETION OF PROJECT AND ALL DISTURBED AREAS AREAS ARE FULLY STABILIZED.
3. TEMPORARY EROSION CONTROLS SHALL BE IN PLACE PRIOR TO ANY GRADING, DEMOLITION, OR CONSTRUCTION.
4. THE BMP FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS AND SHALL BE UPGRADED DURING THE CONSTRUCTION PERIOD AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN RUNOFF DOES NOT LEAVE THE WORK SITE.
5. ALL POINTS OF INGRESS AND EGRESS TO THE SITE SHALL BE PROTECTED WITH A STABILIZED CONSTRUCTION ENTRANCE. THE CONTRACTOR SHALL ENSURE THAT ALL TIRES OF CONSTRUCTION VEHICLES ARE SUFFICIENTLY CLEANED OFF SO THAT DIRT OR DEBRIS IS NOT TRACKED OFF THE CONSTRUCTION SITE. WASHING OFF TIRES WITH WATER WILL NOT BE ACCEPTABLE UNLESS THE RUNOFF IS CONTAINED AND DOES NOT ENTER THE STORM DRAIN SYSTEM OR ONTO THE STATE'S ROW. GOOD HOUSEKEEPING SHALL BE UTILIZED TO ENSURE PROTECTION OF ROADWAYS FROM MUD, DIRT, AND DEBRIS.
6. ALL STORM DRAIN INLETS ON SITE AND THOSE OFFSITE WHICH MAY RECEIVE RUNOFF FOR THE SITE SHALL USE AN INLET PROTECTION DEVICE.
7. PROVIDE INLET FILTER (TRUE DAM ® INLET PROTECTION OR APPROVED EQUAL) FOR ALL CATCH BASIN OPENINGS.
8. CONTRACTOR TO PERIODICALLY INSPECT CATCH BASIN AND INLET FILTERS ESPECIALLY DURING HEAVY RAINFALL. CONTRACTOR SHALL ALSO ENSURE DRAINAGE THROUGH FILTER MATERIAL IS MAINTAINED.
9. SEDIMENT FENCES OR BARRIERS (FILTER SOCKS) SHALL BE USED DOWN SLOPE OF ALL DISTURBED AREAS AND ALONG THE PERIMETER OF THE PROJECT AREA.
10. DUST CONTROL SHOULD BE APPLIED TO REDUCE DUST EMISSIONS. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES: CHAPTER 11-60, "AIR POLLUTION CONTROL".
11. STOCKPILING CONSTRUCTION MATERIAL IN THE ROADWAY, SIDEWALK AND PUBLIC RIGHT-OF-WAY AREAS ARE PROHIBITED.
12. STABILIZATION CONTROL
    A. TEMPORARY – ALL SLOPES AND EXPOSED AREAS SHALL BE IMMEDIATELY MULCHED OR PLANTED WHEN FINAL GRADES ARE ESTABLISHED OR WHEN GRADING WORK WILL BE DELAYED FOR MORE THAN TWO WEEKS AND BEFORE THE REMOVAL OF THE PROJECT'S TEMPORARY BMP.
    B. PERMANENT – AREA WILL BE COVERED WITH BY EITHER BUILDINGS, CONCRETE WALKWAY OR AC PAVEMENT AND EXPOSED AREAS SHALL BE LANDSCAPED WHEN FINAL GRADES ARE ESTABLISHED
13. THE FINAL LIFT OF EACH DAY'S WORK SHALL BE COMPACTED TO PREVENT EROSION OF FILL MATERIAL.
14. AT THE END OF CONSTRUCTION OPERATIONS AND AT THE COMPLETION OF PROJECT, CONTRACTOR SHALL INSPECT ALL CATCH BASIN, DRAIN INLET AND DRAIN MANHOLE SURROUNDING THE PROJECT SITE. ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND IN THE STORM DRAIN STRUCTURES SHALL BE REMOVED. PLEASE NOTE THAT FLUSHING INTO THE DRAIN STRUCTURES ARE PROHIBITED.
15. ANY DIRT OR GRASSED AREA DISTURBED SHALL BE RESTORED BY RE-GRASSING THE AREA OR BY SEEDED HYDROMULCH. THE GRASS SHALL BE FULLY ESTABLISHED AT COMPLETION OF PROJECT.

EROSION AND SEDIMENT CONTROL PLAN SCHEDULE:

1. INSTALL INLET PROTECTION AND PERIMETER CONTROLS AROUND STAGING AREAS AND MATERIAL STOCKPILES AS NEEDED.
2. PROCEED WITH CONSTRUCTION WITH LEAST POSSIBLE DISTURBANCE OF VEGETATIVE AREAS AND TEMPORARY STRUCTURES.
3. INSTALL PERIMETER CONTROLS AROUND ACTIVE WORK AREAS AT THE END OF EACH BUSINESS DAY IF NOT STABILIZED.
4. PLANT PERMANENT GROUND COVER ACCORDING TO THE LANDSCAPING PLAN AS SOON AS POSSIBLE.
5. REMOVE OR DISMANTLE TEMPORARY EROSION CONTROL STRUCTURES AFTER PERMANENT STABILIZATION.

DUST CONTROL NOTE:

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE MEASURES IT WILL TAKE FOR THE CONTROL OF FUGITIVE DUST FROM THE WORK SITE. THE MEASURES MAY INCLUDE BUT NOT BE LIMITED TO THE INSTALLATION OF DUST SCREENS, WATERING OF THE SITE, FILL MATERIAL BEING PLACED, AND DELAYING WORK IN THE WEEK THAT PREVAILING WIND DIRECTION SHOULD SHIFT.

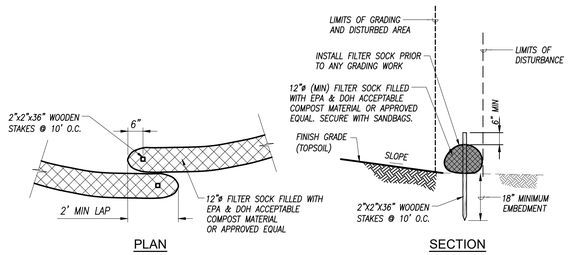
MAINTENANCE NOTE:

EROSION CONTROL MEASURES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

RAIN RESPONSE PLAN:

THE FOLLOWING WILL BE PERFORMED WHEN RAIN IS IMMINENT OR IS FORECASTED IN THE NEXT 48 HOURS:

1. TEMPORARY SUSPENSION OF ACTIVE GRADING.
2. INSPECT ALL PERIMETER CONTROLS, AND INLET PROTECTION DEVICES, AND MAINTAIN AS NEEDED. REINSTALL ANY PERIMETER CONTROLS THAT WERE REMOVED DUE TO ACTIVE WORK IN THE AREA. IF SEVERE STORM IS EXPECTED, REMOVE INLET PROTECTION DEVICES TO PREVENT FLOODING ON SURROUNDING STREETS.
3. COVER OR RELOCATE MATERIAL STOCKPILES AND LIQUID MATERIAL CONTAINERS TO AVOID CONTACT WITH RAINWATER.
4. PLACE SPILL PANS OR OIL-ONLY SPILL PADS UNDER CONSTRUCTION VEHICLES TO PREVENT RUNOFF FROM CONTACTING ANY SPILLED PETROLEUM PRODUCTS. PROPERLY DISPOSE OF ANY ACCUMULATED OILY WATER AFTER THE RAIN EVENT.
5. RE-INSPECT AFTER THE RAIN EVENT AND REPLACE OR MAINTAIN BMPS AS NEEDED.

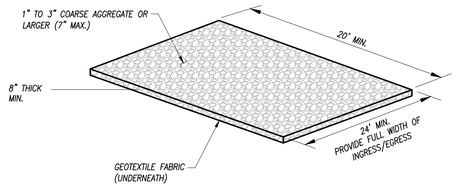


NOTES:

1. WHEN JOINING TWO SECTIONS OF FILTER SOCK, A MINIMUM OF 2 FEET SHOULD BE MADE SO THAT FILTER SOCK SIT SIDE BY SIDE.
2. CONTRACTOR SHALL REMOVE ANY DEBRIS IN PATH OF FILTER SOCK TO ENSURE GOOD GROUND CONTACT.
3. COMPOST SHALL NOT CONTAIN BIOSOLIDS AND SHOULD BE CONSISTENT WITH EPA GUIDELINES.
4. SHOULD THE FILTER FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE FILTER SOCK STILL BE NECESSARY, THE FILTER SOCK SHALL BE REPLACED PROMPTLY.

FILTER SOCK/FILTRATION TUBE

NOT TO SCALE



NOTE:

1. ANY SEDIMENT CARRIED FROM THE SITE ONTO THE STREET SHALL BE CLEANED UP IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE (SMALL PROJECTS)

NOT TO SCALE

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REVISIONS

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CONSTRUCTION DOCUMENTS

02/27/2026

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

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DRAWING TITLE

EROSION CONTROL NOTES AND DETAILS

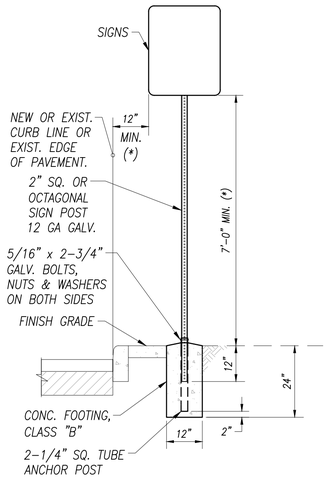
SCALE:

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PROJECT NO.	DRAWING NO.
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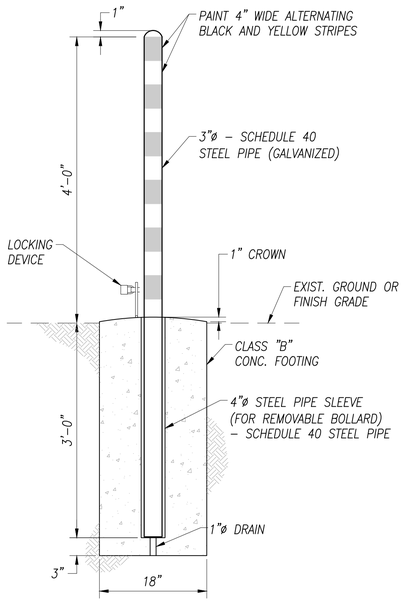
ANCHOR POST NOTES:

1. *KEEP INSIDE OF 2-1/4" ANCHOR POST FREE FROM IMPEDIMENTS THAT MAY PREVENT PROPER SEATING OF 2" SIGN POST.*
2. *SQUARE TUBING SIGN POST SHALL BE TELESCOPING TYPE WITH 7/16" DIA. HOLES AT 1" O.C. ON FOUR SIDES.*
3. *OCTAGON SIGN POST SHALL BE TELESCOPING TYPE WITH 7/16" DIA. HOLES AT 1" O.C. ON TWO SIDES.*
4. *USE 5/16" x 2-3/4" BOLTS TO SECURE THE OCTAGONAL AND SQUARE TUBING POST ONTO THE 2-1/4" SQUARE ANCHOR POST.*

(*) ALL SIGN(S) INSTALLATIONS MUST MEET LATERAL AND HEIGHT CLEARANCES, INCLUDING NEW SIGNS THAT WILL BE POSTED ON TO EXIST. SIGN POST. EXTEND, RELOCATE OR REPLACE AS REQUIRED TO MEET CLEARANCE REQUIREMENTS.

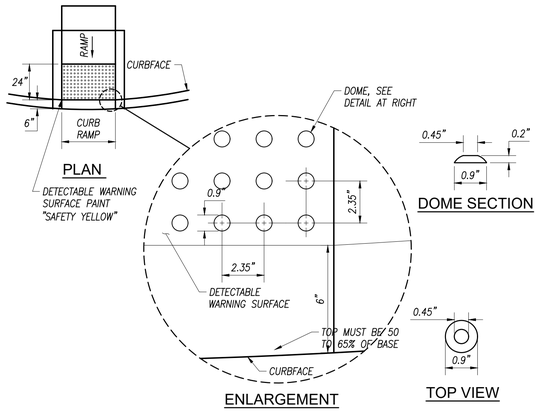
INSTALLATION OF NEW OR RELOCATED SIGN POST WITH ANCHOR POST & CONCRETE FOOTING

NOT TO SCALE



REMOVABLE BOLLARD

NOT TO SCALE

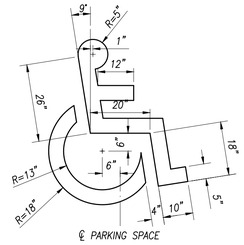


NOTES:

1. *DOME SIZE: TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9 INCH MINIMUM AND 1.4 INCHES MAXIMUM, A TOP DIAMETER OF 50 PERCENT OF THE BASE DIAMETER MINIMUM TO 65 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCH.*
2. *DOME SPACING: TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6 INCHES MINIMUM AND 2.4 INCHES MAXIMUM, AND A BASE-TO-BASE SPACING OF 0.65 INCH MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.*
3. *CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT DOMES ON A SQUARE GRID.*
4. *PLATFORM EDGES: DETECTABLE WARNING SURFACES AT PLATFORM BOARDING EDGES SHALL BE 24 INCHES WIDE AND SHALL EXTEND THE FULL LENGTH OF THE PUBLIC USE AREAS OF THE PLATFORM*
5. *THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND EITHER THE FULL DEPTH OF THE CURB RAMP OR 24 INCHES DEEP MINIMUM MEASURED FROM THE BACK OF THE CURB ON THE RAMP SURFACE.*

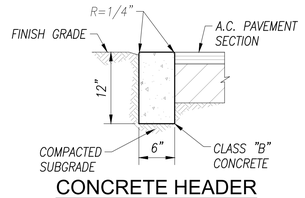
DETECTABLE WARNING ON CURB RAMP DETAIL

NOT TO SCALE



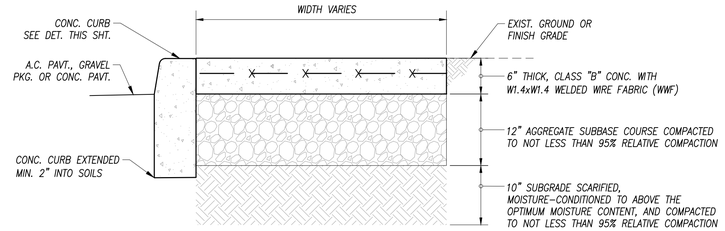
INTERNATIONAL SYMBOL OF ACCESSIBILITY

NOT TO SCALE



CONCRETE HEADER

NOT TO SCALE

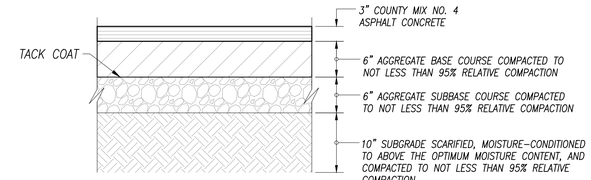


NOTES:

1. *SEESEE KOKUA GEOTECH LCC REPORT DATED DECEMBER 10, 2021, PROJECT NO. 100521-00*
2. *CONCRETE AND AGGREGATE SUBBASE COURSE MATERIALS SHALL MEET THE MATERIAL REQUIREMENTS AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY & COUNTY OF KAUAI, SEPTEMBER 1986.*

CONCRETE SIDEWALK PAVEMENT SECTION

NOT TO SCALE

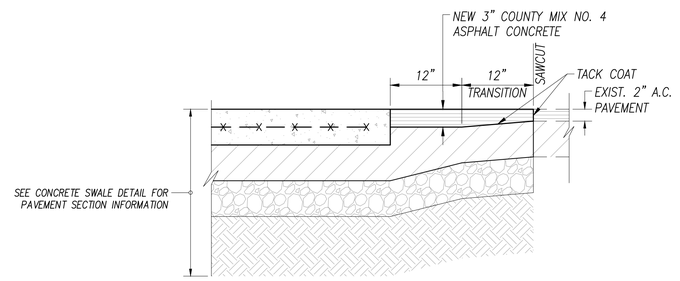


NOTES:

1. *SEE KOKUA GEOTECH LCC REPORT DATED DECEMBER 10, 2021, PROJECT NO. 100521-00*
2. *ASPHALT CONCRETE, AGGREGATE BASE AND SUBBASE COURSE MATERIALS SHALL MEET THE MATERIAL REQUIREMENTS AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY & COUNTY OF KAUAI, SEPTEMBER 1986.*

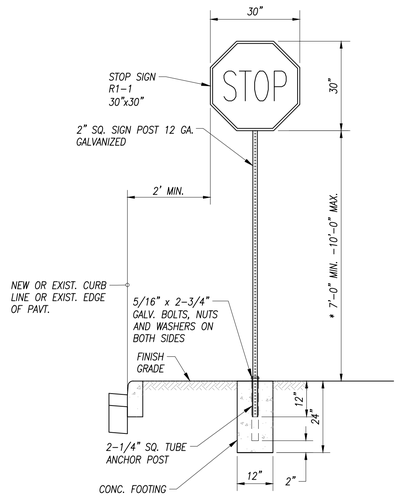
ASPHALT CONCRETE PAVEMENT SECTION

NOT TO SCALE



TYPICAL CONCRETE PAVEMENT/ASPHALT CONCRETE PAVEMENT/EXISTING ACP CONNECTIONS

NOT TO SCALE



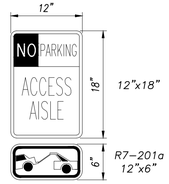
NOTES:

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2. *SIGN POST SHALL BE TELESCOPING TYPE WITH 7/16" DIA. HOLES AT 1" O.C. ON FOUR SIDES.*
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(*) ALL SIGN(S) INSTALLATIONS MUST MEET LATERAL AND HEIGHT CLEARANCES, INCLUDING NEW SIGNS THAT WILL BE POSTED ON TO EXIST. SIGN POST. EXTEND, RELOCATE OR REPLACE AS REQUIRED TO MEET CLEARANCE REQUIREMENTS.

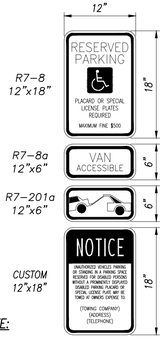
STOP SIGN POST

NOT TO SCALE



ACCESSIBLE ACCESS AISLE SIGNS

NOT TO SCALE

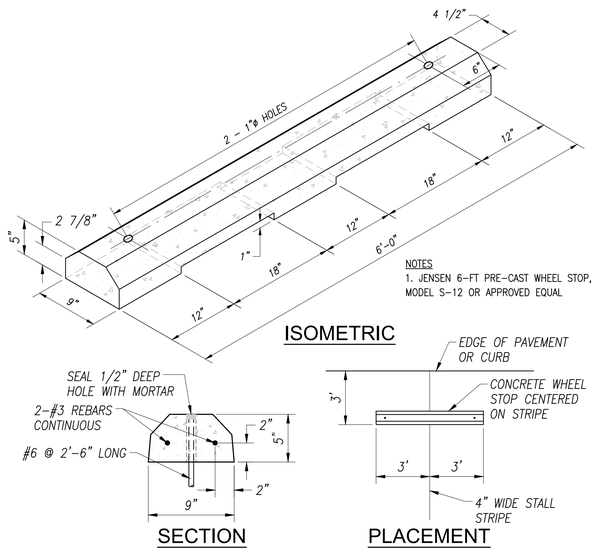


NOTE:

CONTRACTOR SHALL CONFIRM THE TOW OPERATOR NAME, ADDRESS AND TELEPHONE NUMBER WITH THE FACILITY MANAGER PRIOR TO THE FABRICATION OF THE SIGN.

ACCESSIBLE STALL SIGNS

NOT TO SCALE



6-FT AND 4-FT PRE-CAST CONCRETE WHEEL STOP

NOT TO SCALE

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS

02/27/2026

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

SITE DETAILS

SCALE:

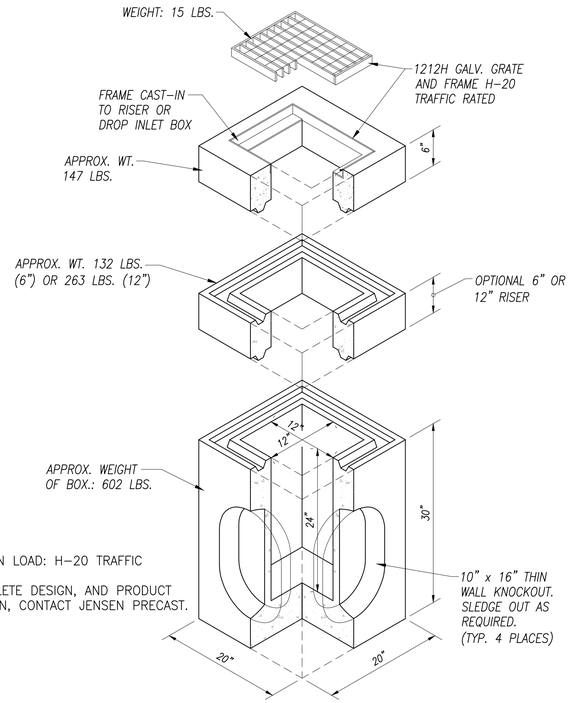
DRAWN BY:	CHECKED BY:
TMC	KW
PROJECT NO.	DRAWING NO.
225057-01	C004
SHEET ISSUE DATE:	
12/23/25	

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DROP INLET

12"x12" I.D.
(NOMINAL DIMENSIONS)
WITH ADJUSTABLE FRAME AND GRATE
H20 LOADING*



NOTE:

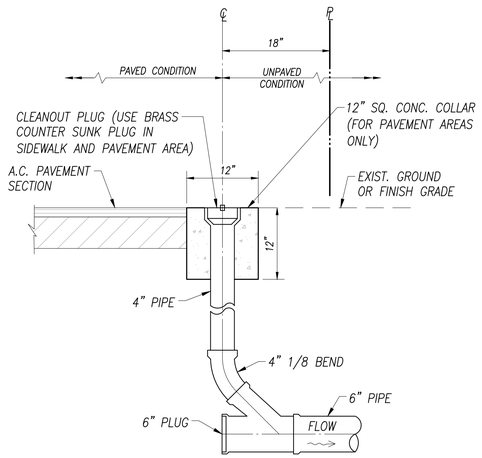
1. BOX DESIGN LOAD: H-20 TRAFFIC
2. FOR COMPLETE DESIGN, AND PRODUCT INFORMATION, CONTACT JENSEN PRECAST.

11/30/00
D1212--v2.dwg
2000 Jensen Precast®

Jensen Precast reserves the right to make changes to product design and/or dimensions without notice. Please contact Jensen Precast whenever necessary for confirmation or advice on product design.

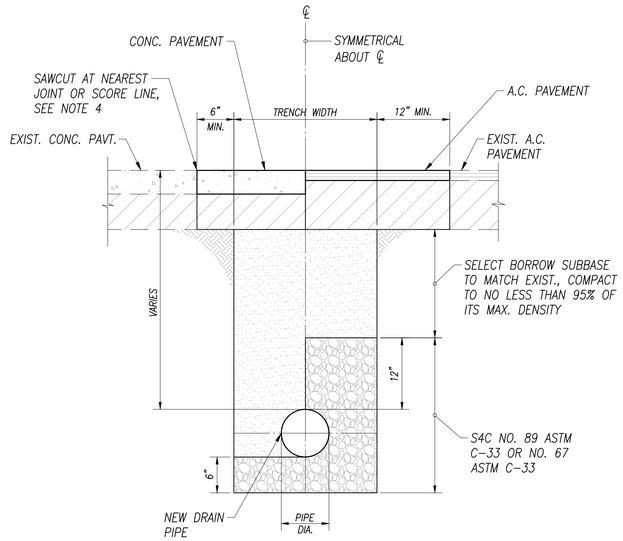
12"x12" PRECAST DRAIN INLET (PRIVATE) (OR APPROVED EQUAL)

NOT TO SCALE



CLEANOUT TO GRADE

NOT TO SCALE

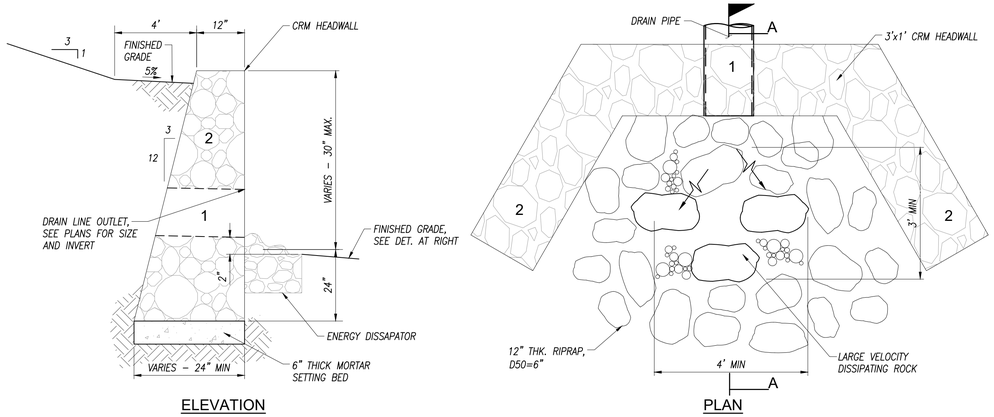


NOTES:

1. PAVEMENT STRUCTURES, INCLUDING AC PAVEMENT, CONCRETE WALKWAY, BASE COURSE AND SUBBASE, SHALL BE EQUAL TO OR BETTER IN THICKNESS AND QUALITY.
2. ROADWAY SHALL BE PAVED TO THE TRENCH WIDTH PLUS AN ADDITIONAL ONE FOOT ON EACH SIDE OF THE TRENCH.
3. ALL DISTURBED PAVEMENT MARKINGS SHALL BE REPLACED AND ALL REQUIRED UTILITY ADJUSTMENTS SUCH AS MANHOLE COVERS, ETC., SHALL BE DONE BY THE CONTRACTOR.
4. IF SAWCUT ≤4 FEET FROM NEAREST SCORE LINE/JOINT, THEN SAWCUT AT NEAREST SCORE LINE/JOINT.

TYPICAL TRENCH RESTORATION (PRIVATE)

NOT TO SCALE

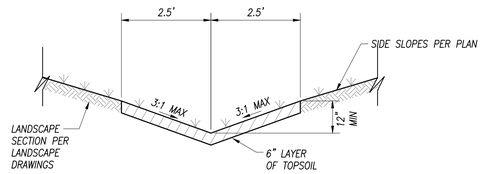


NOTES:

1. CEMENT RUBBLE MASONRY SHALL BE PURSUANT TO "SECTION 44 – CEMENT RUBBLE MASONRY" OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS REVISED, BY THE CITY AND COUNTY OF HONOLULU.
2. WALL FOOTINGS ORIENTED PARALLEL TO THE DIRECTION OF THE SLOPE SHOULD BE CONSTRUCTED IN STEPPED FOOTINGS.
3. IN SLOPING GROUND CONDITIONS, THE BOTTOM OF FOOTING SHALL EXTEND DEEPER TO OBTAIN A MINIMUM 6-FOOT SETBACK DISTANCE MEASURED HORIZONTALLY FROM THE OUTSIDE EDGE OF FOOTING TO THE FACE OF THE SLOPE.

CRM HEADWALL AND ENERGY DISSIPATOR FOR DRAIN PIPE (PRIVATE)

NOT TO SCALE



VEGETATED SWALE (PRIVATE)

NOT TO SCALE

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

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CONSTRUCTION DOCUMENTS
02/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
UTILITY DETAILS

SCALE:

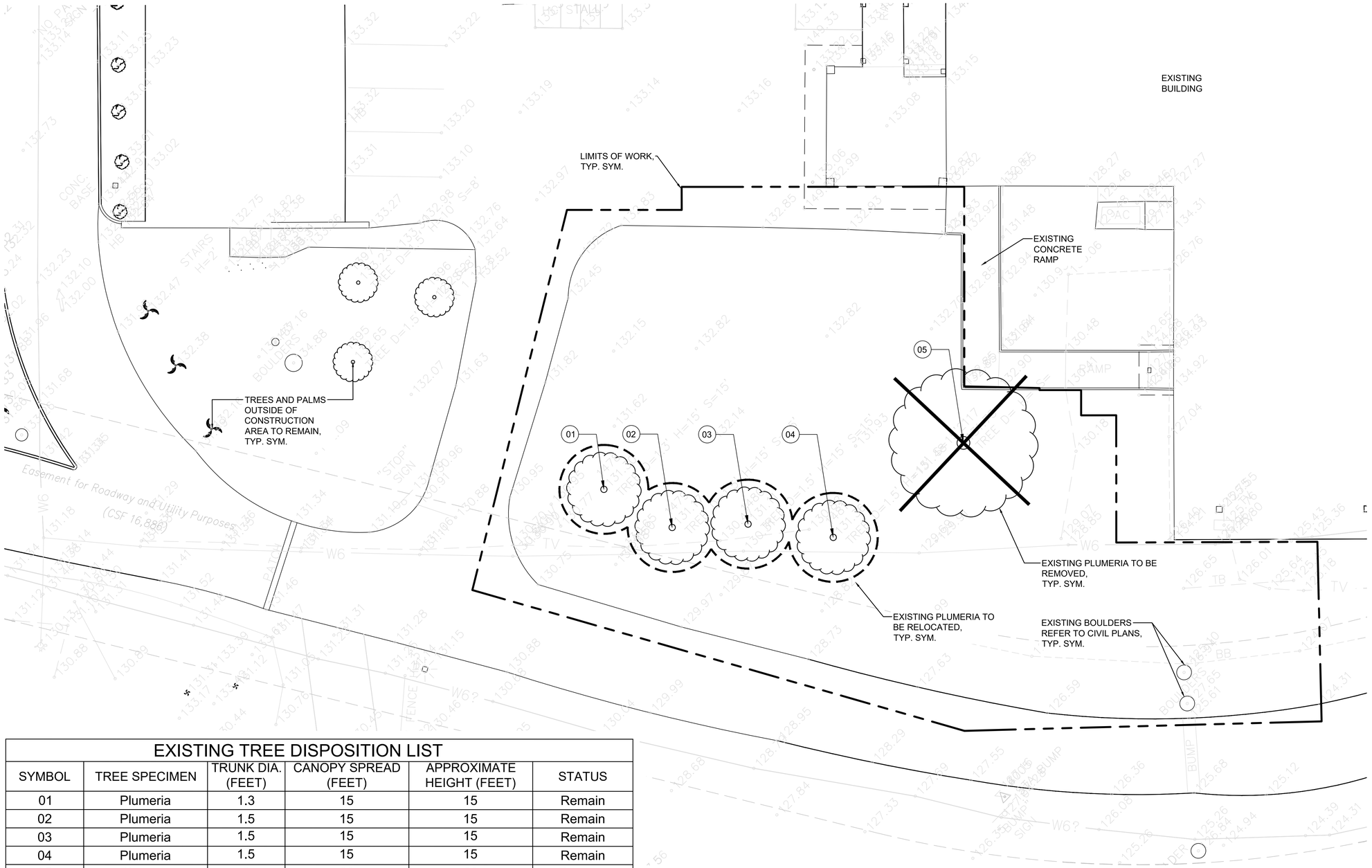
DRAWN BY:	CHECKED BY:
TMC	KW

PROJECT NO.	DRAWING NO.
225057-01	C005

SHEET ISSUE DATE: 12/23/25

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EXISTING TREE DISPOSITION LIST

SYMBOL	TREE SPECIMEN	TRUNK DIA. (FEET)	CANOPY SPREAD (FEET)	APPROXIMATE HEIGHT (FEET)	STATUS
01	Plumeria	1.3	15	15	Remain
02	Plumeria	1.5	15	15	Remain
03	Plumeria	1.5	15	15	Remain
04	Plumeria	1.5	15	15	Remain
05	Plumeria	3	30	30	Remove

LEGEND

PALM/TREE TO BE DEMOLISHED AND REMOVED FROM SITE

PALM/ TREE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.

TREES OUTSIDE OF CONSTRUCTION AREA TO REMAIN

PALM/TREE TO BE RELOCATED.

NOTE:

1. REFER TO CIVIL DRAWINGS FOR SITE DEMOLITION WORK & PROJECT LIMITS OF WORK
2. REFER TO L101 AND L102 FOR ADDITIONAL TREE/PALM DISPOSITION AND LANDSCAPE DEMOLITION NOTES.
3. TO PROTECT THE WHITE TERN AND HAWAIIAN HOARY BAT HABITATS DURING CONSTRUCTION, CONTRACTOR SHALL TAKE SPECIAL CARE WHEN TRIMMING, RELOCATING, OR REMOVING TREES ON THE PROJECT SITE. WOODY PLANTS GREATER THAN 15-FEET IN HEIGHT MUST NOT BE DISTURBED, TRIMMED, OR REMOVED DURING THE WHITE TERN NESTING AND FLEDGING SEASON, AND THE JUNE 1 THROUGH SEPTEMBER 15 HAWAIIAN HOARY BAT BIRTHING AND PUP REARING SEASON. TREE REMOVAL IS RESTRICTED TO THE FALL AND EARLY WINTER. TREES MUST BE INSPECTED PRIOR TO TRIMMING OR REMOVAL, AND IF THERE ARE SIGNS THAT WHITE TERNS MAY BE NESTING OR THAT HAWAIIAN HOARY BATS MAY BE ROOSTING IN A TREE, TRIMMING OR REMOVAL OF THE TREE MUST BE DELAYED UNTIL THE WHITE TERN CHICKS HAVE FULLY FLEDGED, OR THE HAWAIIAN HOARY BATS HAVE FINISHED ROOSTING.
4. CONTRACTOR SHALL SURVEY AND STAKE LOCATIONS OF BUILDINGS AS WELL AS APPROXIMATE LIMITS OF GRADING AND TREES TO REMAIN.

GRAPHIC SCALE: 1" = 10'-0"
0 2.5 5 10 20

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808)521-5631 FAX: (808)523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

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02/27/2026

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

TREE DISPOSITION PLAN

SCALE: AS SHOWN

DRAWN BY:	CHECKED BY:
PW/AF	MS

PROJECT NO.	DRAWING NO.
225057-01	L-100

SHEET ISSUE DATE: 02/27/26

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TREE PROTECTION ZONE:

1. ALL TREES IDENTIFIED ON THE PLANS TO BE PROTECTED. IF TREES OTHER THAN THOSE DESIGNATED FOR REMOVAL ARE DAMAGED BEYOND SURVIVAL CONDITION AS DETERMINED BY THE ARCHITECT, THE CONTRACTOR SHALL REMOVE SUCH TREES AND REPLACE WITH A TREE OF THE SAME SPECIES AND SIZE AND MAINTAIN FOR THE DURATION OF THE CONSTRUCTION OR 12 MONTHS WHICHEVER IS GREATER.

2. THE RECOMMENDED TREE PROTECTION ZONE SHOULD BE LOCATED AT THE OUTER DRIP LINE OF THE CANOPY OF THE TREE. HOWEVER, THE MINIMUM PROTECTION ZONE AROUND A TREE SHOULD BE AT LEAST 20 FEET FROM THE EXTERNAL SURFACE OF THE TREE'S TRUNK. FOR ALL PALMS, THE MINIMUM PROTECTION ZONE SHOULD BE AT LEAST 10 FEET.

3. ALL UNDERGROUND UTILITIES AND IRRIGATION LINES SHOULD BE ROUTED OUTSIDE OF THE TREE PROTECTION ZONE. IF UTILITIES MUST TRAVERSE THE TREE PROTECTION ZONE, THEY SHALL BE TUNNELED OR BORED AT A DEPTH OF 4 FEET OR GREATER WITHIN THE TREE PROTECTION ZONE.

4. ALL PROTECTED TREES SHALL BE LISTED ON THE DEMOLITION, LANDSCAPE, GRADING AND UTILITIES PLANS. IF THERE IS A DISCREPANCY WITH ALL PLANS, CONTRACTOR SHALL CONTACT ARCHITECT IMMEDIATELY.

5. PROTECTIVE FENCES SHALL BE ERECTED AROUND TREES IDENTIFIED ON PLAN OR TREES WITH A TRUNK DIAMETER GREATER THAN 24 INCHES (AS MEASURED AT A HEIGHT OF 4 ½ FEET.) PROTECTIVE FENCE SHALL BE 4 FEET HIGH ORANGE PLASTIC MESH OR APPROVED EQUIVALENT SUPPORTED ON STEEL T–POST AT A MINIMUM OF 6 FEET LONG. PROTECTIVE FENCE SHALL SURROUND TREE AT A MINIMUM OF 10 FEET FROM TREE TRUNK WITH STEEL T–POST AT A MINIMUM OF 5 FEET ON CENTER. FENCE SHALL BE INSTALLED PRIOR TO ANY DEMOLITION WORK AND SHALL REMAIN IN PLACE UNTIL SITE WORK IS COMPLETED.

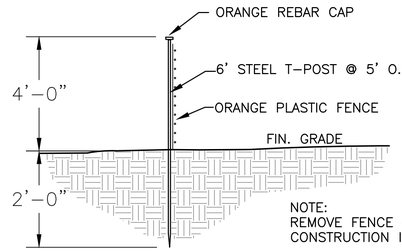
6. FOR THE DURATION OF CONSTRUCTION WITHIN THE DRIP LINE OF THE TREES TO REMAIN THERE MUST BE:

   - NO CHANGES, ALTERATION OR DISTURBANCE TO THE GRADE BY ADDING FILL, EXCAVATING OR SCRAPING EXCEPT AS NOTED ON PLANS;
   - NO STORAGE OF CONSTRUCTION MATERIALS OR EQUIPMENT;
   - NO STOCKPILING OF ANY CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS;
   - NO DISPOSAL OF ANY LIQUIDS e.g. CONCRETE SLEUTH, GAS, OIL, PAINT;
   - NO VEHICULAR TRAFFIC, EQUIPMENT OR EXCESSIVE PEDESTRIAN TRAFFIC;
   - NO ATTACHMENT OF ANY WIRES, ROPES, LIGHTS OR ANY OTHER SUCH ATTACHMENT OTHER THAN THOSE OF A PROTECTIVE NATURE TO ANY TREE TO BE PRESERVED;

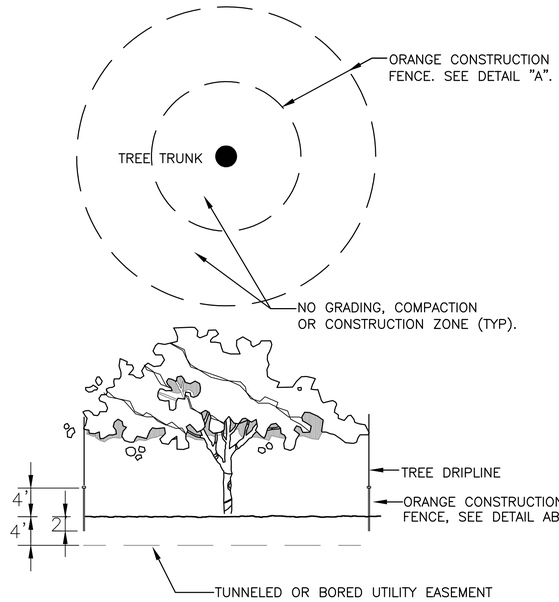
     AND

   - NO CLEANING OF EQUIPMENT OR MATERIAL UNDER THE CANOPY OF ANY TREE OR GROUP OF TREES TO BE PRESERVED

7. AUGER TUNNELING, NOT TRENCHING, SHALL BE USED WHERE POSSIBLE FOR UTILITY PLACEMENT WITHIN THE DRIP LINE OF THE TREE. IF TRENCHING IS NECESSARY IT SHALL BE HAND DUG WITHIN THE DRIP LINE OF THE TREE.



ORANGE CONSTRUCTION FENCE
NOT TO SCALE



1 TREE PROTECTION

NOT TO SCALE

P–KA–4015.01–12

PBR HAWAII
& ASSOCIATES, INC.
1001 BISHOP STREET
AMERICAN SAVINGS BANK TOWER,
SUITE 650
HONOLULU, HAWAII 96813-3484
TEL: (808)521-5631 FAX: (808)523-1402
WEB: WWW.PBRHAWAII.COM
EMAIL: SYSADMIN@PBRHAWAII.COM

REVISIONS

#	Date	Description

CD / BID SET

02/27/2026

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

TREE DISPOSITION DETAILS - 1

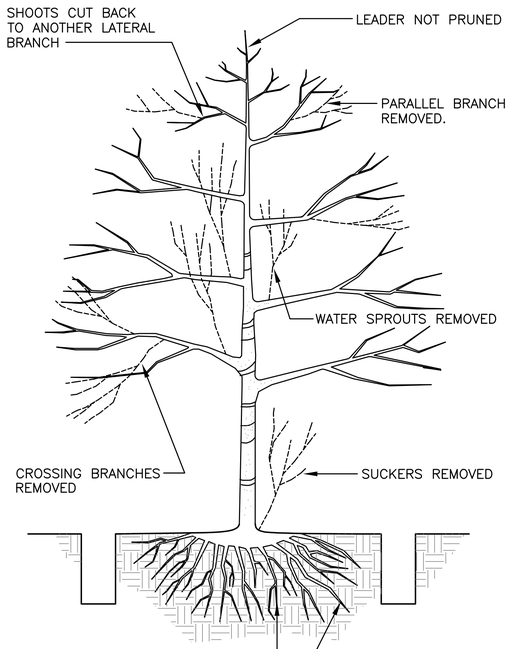
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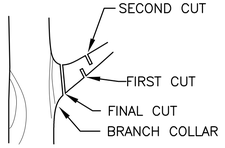
DRAWN BY:	CHECKED BY:
PW/AF	MS

PROJECT NO.	DRAWING NO.
225057-01	L-101
SHEET ISSUE DATE: 02/27/26	

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TYPICAL BRANCH REMOVAL

NOTES:

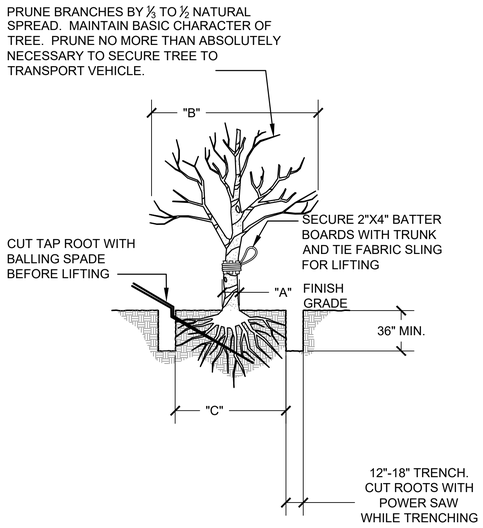
1. ALL TREE PRUNING WORK SHALL BE PERFORMED BY A CERTIFIED ARBORIST.
2. POSITIONS OF FIRST AND SECOND CUTS MAY BE REVERSED IN SOME CASES, PARTICULARLY WHEN CUTTING A LARGE BRANCH WITH A CHAINSAW.
3. DO NOT MAKE FLUSH CUTS OR LEAVE STUBS.
4. DO NOT PAINT CUTS.
5. REMOVE DEAD, BROKEN OR MALFORMED BRANCHES.
6. REMOVE ALL VINES ENTWINED IN THE TREE OR AROUND ITS TRUNK.
7. ALL PRUNING SHALL BE COMPLETED USING CLEAN SHARP TOOLS. ALL CUTS SHALL BE CLEAN AND SMOOTH, WITH THE BARK INTACT WITH NO ROUGH EDGES OR TEARS.
8. DISPOSE OF ALL CUTTINGS OUTSIDE OF RIGHT OF WAY.
9. RETAIN THE NORMAL SHAPE OF THE PLANT.

1 TREE PRUNING PRIOR TO TRANSPLANTING

NOT TO SCALE P-KA-4015.01-11

NOTES:

1. TO REDUCE SHOCK, PRUNE ROOTS AND BRANCHES OF TREES WELL IN ADVANCE OF MOVING. (PREFERABLY DURING DORMANT SEASON.)
2. ALL RELOCATION AND PRUNING WORK SHALL BE DONE UNDER THE SUPERVISION OF AN EXPERIENCED AND CERTIFIED ARBORIST.



"A"	"B"	"C"
CALIPER SIZE	SPREAD (SIDE)	ROOTBALL SIZE
2"-6"	14"-26"	15"-24"
6"-8"	30"-48"	30"-36"
18"-30"	60"-96"	36"-96"
30" AND OVER	120"-144"	120"-240"

2 TREE TRANSPLANTING

NOT TO SCALE

PBR HAWAII
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REVISIONS

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

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TREE DISPOSITION DETAILS - 2

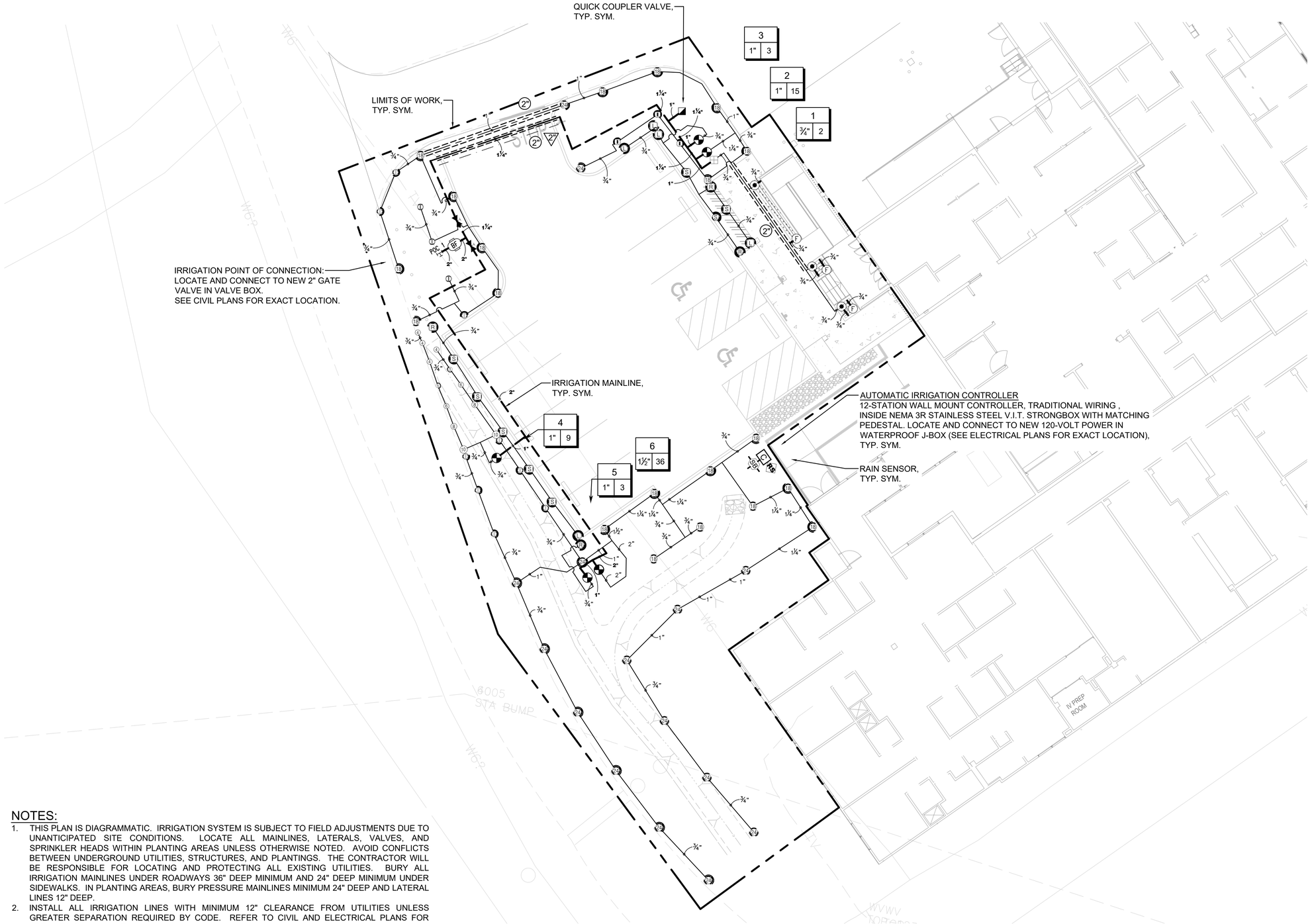
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NOTES:

1. THIS PLAN IS DIAGRAMMATIC. IRRIGATION SYSTEM IS SUBJECT TO FIELD ADJUSTMENTS DUE TO UNANTICIPATED SITE CONDITIONS. LOCATE ALL MAINLINES, LATERALS, VALVES, AND SPRINKLER HEADS WITHIN PLANTING AREAS UNLESS OTHERWISE NOTED. AVOID CONFLICTS BETWEEN UNDERGROUND UTILITIES, STRUCTURES, AND PLANTINGS. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. BURY ALL IRRIGATION MAINLINES UNDER ROADWAYS 36" DEEP MINIMUM AND 24" DEEP MINIMUM UNDER SIDEWALKS. IN PLANTING AREAS, BURY PRESSURE MAINLINES MINIMUM 24" DEEP AND LATERAL LINES 12" DEEP.
2. INSTALL ALL IRRIGATION LINES WITH MINIMUM 12" CLEARANCE FROM UTILITIES UNLESS GREATER SEPARATION REQUIRED BY CODE. REFER TO CIVIL AND ELECTRICAL PLANS FOR LOCATION OF UTILITIES.
3. INSTALL ALL IRRIGATION CONTROL VALVES AND WIRE CONNECTIONS IN VALVE BOXES. INSTALL IRRIGATION VALVE IDENTIFICATION TAGS WITH APPROPRIATE STATION NUMBER FOR ALL VALVES.
4. INSTALL VALVE BOXES IN GROUND COVER AREAS OR INCONSPICUOUS AREAS AWAY FROM PEDESTRIAN WALKWAYS, TYP.
5. INSTALL IRRIGATION MAINLINE AND EQUIPMENT WITHIN PROJECT BOUNDARY AND IN PLANTING AREA.
6. PROVIDE DRIP VALVE AND COPPER LATERAL TO INTERNAL GROUND LEVEL PLANTERS. INSTALL INLINE DRIPLINES IN ALL INTERNAL GROUND LEVEL PLANTERS.
7. REFER TO L201 FOR ADDITIONAL IRRIGATION NOTES.

GRAPHIC SCALE: 1" = 10'=0"
0 2.5 5 10 20

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IRRIGATION PLAN

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225057-01	L-200
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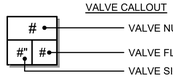
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	ARC	PSI	GPM	RADIUS
③	RAIN BIRD 1804-SAM-PRS 05H TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	180	15 - 30	0.14 - 0.20	3' - 5'
④	RAIN BIRD 1804-SAM-PRS 04V TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	ADJ	15 - 30	0.21 - 0.88	3' - 4'
⑥	RAIN BIRD 1804-SAM-PRS 06V TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	ADJ	15 - 30	0.26 - 1.20	4' - 6'
⑧	RAIN BIRD 1804-SAM-PRS 08V TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	ADJ	15 - 30	0.51 - 1.70	6' - 8'
⑩	RAIN BIRD 1804-SAM-PRS 10V TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	ADJ	15 - 30	0.48 - 2.60	7' - 10'
Ⓛ	RAIN BIRD R-VAN-STRIP 1804-SAM-PRS LCS SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	LCS	30 - 55	0.18 - 0.28	5'x15'
Ⓡ	RAIN BIRD R-VAN-STRIP 1804-SAM-PRS RCS SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	RCS	30 - 55	0.18 - 0.28	5'x15'
Ⓢ	RAIN BIRD R-VAN-STRIP 1804-SAM-PRS SST SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	SST	30 - 55	0.36 - 0.56	5'x30'
⑪	RAIN BIRD R-VAN14 1804-SAM-PRS RV-14 TURF ROTARY, 8FT.-14FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	ADJ	30 - 55	0.28 - 1.17	8' - 14'
⑪	RAIN BIRD R-VAN14 1804-SAM-PRS RV-14F TURF ROTARY, 8FT.-14FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	360	30 - 55	1.10 - 1.45	8' - 14'
⑱	RAIN BIRD R-VAN18 1804-SAM-PRS RV-18 TURF ROTARY, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	ADJ	30 - 55	0.42 - 1.62	13' - 18'
⑱	RAIN BIRD R-VAN18 1804-SAM-PRS RV-18F TURF ROTARY, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	360	30 - 55	1.65 - 2.11	13' - 18'
㉔	RAIN BIRD R-VAN24 1804-SAM-PRS RV-24 TURF ROTARY, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	ADJ	30 - 55	0.60 - 2.88	17' - 24'
㉔	RAIN BIRD R-VAN24 1804-SAM-PRS RV-24F TURF ROTARY, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 TURF SPRAY BODY ON 4IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	360	30 - 55	2.35 - 3.74	17' - 24'
Ⓛ	RAIN BIRD R-VAN-STRIP 1812-SAM-PRS LCS SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	LCS	30 - 55	0.18 - 0.28	5'x15'
Ⓡ	RAIN BIRD R-VAN-STRIP 1812-SAM-PRS RCS SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	RCS	30 - 55	0.18 - 0.28	5'x15'
Ⓢ	RAIN BIRD R-VAN-STRIP 1812-SAM-PRS SST SHRUB ROTARY, 5FT.X15FT. (LCS AND RCS), 5FT.X30FT. (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	SST	30 - 55	0.36 - 0.56	5'x30'
⑪	RAIN BIRD R-VAN14 1812-SAM-PRSRV-14 SHRUB ROTARY, 8FT.-14FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	ADJ	30 - 55	0.28 - 1.45	8' - 14'
⑱	RAIN BIRD R-VAN18 1812-SAM-PRS RV-18 SHRUB ROTARY, 13FT.-18FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	ADJ	30 - 55	0.42 - 2.11	13' - 18'
㉔	RAIN BIRD R-VAN24 1812-SAM-PRS RV-24 SHRUB ROTARY, 17FT.-24FT. 45-270 DEGREES AND 360 DEGREES. HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12IN. POP-UP, WITH CHECK VALVE AND IN-STEM PRESSURE REGULATOR. 1/2IN. NPT FEMALE THREADED INLET.	ADJ	30 - 55	0.60 - 3.74	17' - 24'

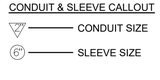
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD XACZ-075-PRF LOW FLOW DRIP CONTROL KIT, 3/4IN. LOW FLOW ANTI-SIPHON VALVE, 3/4IN. PRESSURE REGULATING RBY FILTER, AND 30PSI PRESSURE REGULATOR, FOR ABOVE GRADE INSTALLATION. 0.2 GPM-5 GPM.
	PIPE TRANSITION POINT IN DRIP BOX PIPE TRANSITION POINT FROM PVC LATERAL TO DRIP TUBING WITH RISER IN 6IN. ROUND VALVE BOX.
Ⓕ	FLUSH VALVE IN 6IN. ROUND VALVE BOX
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-09-12 XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY. 0.9 GPH EMITTERS AT 12" O.C. LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD PESB-PRS-D 1IN., 1-1/2IN., 2IN., 3IN., 3IN. PLASTIC INDUSTRIAL REMOTE CONTROL VALVE. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH PRESSURE REGULATING MODULE, AND SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.
	RAIN BIRD 5-LRC 1IN. BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 1-PIECE BODY.
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH BRONZE WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4IN. - 3IN.
BF	FEBCO 825Y 2" REDUCED PRESSURE BACKFLOW PREVENTER
C	RAIN BIRD ESP12LXMEF 12 STATION MODULAR COMMERCIAL CONTROLLER WITH OUTDOOR RATED PLASTIC HOUSING. MOUNT INSIDE V.I.T STRONG BOX STAINLESS STEEL NEMA 3R RATED PEDESTAL ENCLOSURE.
RS	RAIN BIRD WR2-RC WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.
SB	V.I.T STRONG BOX SB-24SS NEMA 3R STAINLESS STEEL PEDESTAL MOUNT CONTROLLER ENCLOSURE. 24"W, 36"H, 12" D WITH MATCHING STAINLESS STEEL PEDESTAL (STRONG BOX PED 24-SS). INCLUDES THERMOSTATICALLY CONTROLLED FAN ASSEMBLY (STRONG BOX OPT-FAN). LOCATE AND CONNECT TO NEW 120-VOLT POWER INSIDE WATERPROOF J-BOX (SEE ELECTRICAL PLANS FOR EXACT LOCATION). ENSURE CONTROLLER IS GROUNDED TO MINIMUM 8-OHMS OR AS RECOMMENDED BY MANUFACTURER, WHICHEVER IS LOWER.
POC 1	POINT OF CONNECTION 2" CONNECT TO NEW 2" GATE VALVE IN VALVE BOX. REFER TO CIVIL PLANS FOR EXACT LOCATION.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION LATERAL LINE: TYPE K COPPER PIPE
	IRRIGATION LATERAL LINE: POLYETHYLENE PIPE SDR-7
	IRRIGATION MAINLINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: TYPE K COPPER PIPE
	PIPE SLEEVE: PVC SCHEDULE 40
	CONTROL WIRE CONDUIT: PVC SCHEDULE 80 UL APPROVED TYPICAL CONDUIT FOR IRRIGATION CONTROL WIRE. CONDUIT SIZE SHALL ALLOW FOR IRRIGATION CONTROL WIRE TO EASILY SLIDE THROUGH CONDUIT MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.

VALVE CALLOUT



CONDUIT & SLEEVE CALLOUT



IRRIGATION SYSTEM GENERAL NOTES

1. THIS PLAN IS DIAGRAMMATIC. IRRIGATION SYSTEM IS SUBJECT TO FIELD ADJUSTMENTS DUE TO UNANTICIPATED SITE CONDITIONS. LOCATE ALL MAINLINES, LATERALS, VALVES AND SPRINKLER HEADS WITHIN PLANTING AREAS, UNLESS OTHERWISE NOTED. PLACE MAINLINE IN PLANTING AREAS WHERE NO SLEEVES OR COPPER LINES ARE SHOWN. AVOID ANY CONFLICT BETWEEN UNDERGROUND UTILITIES, STRUCTURES AND PLANTINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. BURY PRESSURE MAINLINES 24" DEEP MINIMUM AND LATERAL LINES 12" DEEP MINIMUM IN PLANTING AREAS.

2. CONTRACTOR SHALL INSTALL ALL IRRIGATION EQUIPMENT (IE. IRRIGATION LINES, CONTROL WIRES, VALVES, HEADS, ETC.) PER SPECIFICATIONS. EXISTING GATE VALVES, POINT OF CONNECTION, ETC. ARE DERIVED FROM THE BEST AVAILABLE INFORMATION AND ON-SITE INSPECTION. THE CONTRACTOR SHALL VERIFY THOSE POINTS OF CONNECTION NOTED AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.

3. THE IRRIGATION SYSTEM WAS DESIGNED TO PERFORM WITH A STATIC PRESSURE OF 60 PSI AND WATER FLOW OF 55 GPM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THESE REQUIREMENTS THROUGH ONSITE TESTING AND SHALL REPORT THE FINDINGS TO THE ARCHITECT AT LEAST THIRTY (30) DAYS PRIOR TO START OF CONSTRUCTION.

4. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS AND OBSERVE ALL LOCAL CODES AND REGULATIONS. THE CONTRACTOR SHALL CONFIRM ALL SITE DIMENSIONS AND CONDITIONS, AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.

3. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL SLEEVES, CONDUITS, MAINLINES AND LATERALS UNDER PAVEMENT AND THROUGH WALLS. CONTRACTOR SHALL ENSURE THAT THESE ITEMS ARE LAID PRIOR TO PLACEMENT OF PAVEMENT OR WALL STRUCTURES.

4. LOCATE AND INSTALL ALL SPRINKLER HEADS 6" FROM SIDEWALKS,BUILDINGS, AND WALL UNLESS OTHERWISE NOTED. FLEX TUBING SHALL BE INSTALLED ON ALL SPRINKLER HEAD ALONG SIDEWALKS. ADJUST ALL SPRINKLER HEADS AND FLOW CONTROL FOR MAXIMUM COVERAGE AND MINIMUM OVERTHROW AND MISTING. OPERATE ONLY ONE VALVE AT A TIME PER CONTROLLER, UNLESS OTHERWISE NOTED.

5. CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, SIGNAGE, ETC. VERIFY ALL HEAD LAYOUT WITH THE ARCHITECT PRIOR TO COMMENCING WORK.

6. PERFORM COVERAGE TEST. BEFORE PLANTING PERIOD, RUN AUTOMATIC CONTROLLER THROUGH ALL CYCLES. CHECK WATERING FOR HEAD TO HEAD COVERAGE AND UNIFORMITY IN THE PRESENCE OF THE ARCHITECT. RUN SYSTEM UNTIL THERE ARE PUDDLES OR THERE IS SHEET FLOW TO DETERMINE INITIAL IRRIGATION TIME AND NUMBER OF CYCLES PER WEEK NEEDED TO MEET WATER REQUIREMENTS OF PLANTS.

7. LOCATE VALVE BOXES SO THEY ARE OBSCURED BY VEGETATION AND IN LOCATIONS WHICH ARE NOT OBSERVABLE FROM BUILDING WINDOWS/OPENINGS AND AWAY FROM PEDESTRIAN WALKWAYS. GROUP VALVE BOXES AS FEASIBLE.

8. IF PLANS DO NOT SPECIFY DEPTH OF EXCAVATION, PROVIDE MINIMUM COVER TO FINISH GRADE AS FOLLOWS:

   a. 24 INCHES FOR IRRIGATION MAINLINE.
   b. 12 INCHES FOR IRRIGATION LATERAL
   c. 24 INCHES FOR SLEEVE OR CONDUIT UNDER LANDSCAPE PAVEMENT.
   d. 36 INCHES FOR SLEEVE OR CONDUIT UNDER VEHICULAR PAVING.
   e. FOR CONTROLLER WIRES AND CONDUITS IN UNPAVED AREAS, DEPTH EQUAL TO THAT OF PRESSURE IRRIGATION PIPE.

12. ENSURE TRENCHING AND INSTALLATION OPERATIONS DO NOT DAMAGE OR COMPROMISE BUILDING AND PLANTER WATERPROOFING SYSTEMS.

13. AFTER INSTALLATION OF IRRIGATION, LANDSCAPE CONTRACTOR SHALL PROVIDE MARK-UP INFORMATION OF ANY CHANGES MADE IN THE FIELD TO THE FINAL DESIGN PLANS. PROVIDE THREE (3) REPRODUCIBLE COPIES DOCUMENTING THESE 'AS-BUILT' CONDITIONS TO THE ARCHITECT UPON COMPLETION OF IRRIGATION INSTALLATION WORK OR THIRTY (30) DAYS BEFORE FINAL INSPECTION, WHICHEVER IS SOONER.

14. CONTRACTOR SHALL MAKE ALL WIRE SPLICES INSIDE OF VALVE BOXES.

15. INCIDENTAL PARTS WHICH MAY NOT BE SPECIFIED OR INDICATED ON DRAWINGS, BUT ARE REQUIRED TO COMPLETE THE IRRIGATION SYSTEM SHALL BE FURNISHED AND INSTALLED WITH NO ADDITIONAL COST TO THE OWNER.

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SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

IRRIGATION NOTES & SCHEDULE

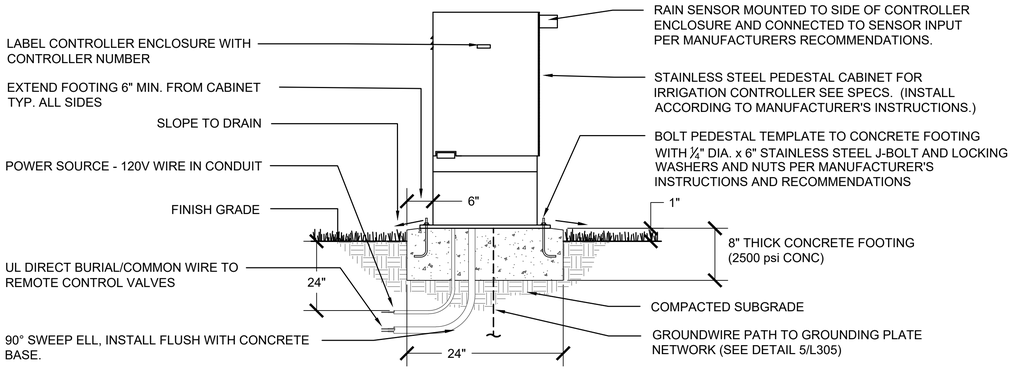
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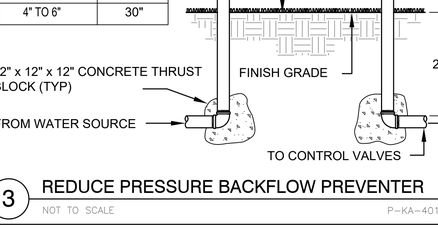
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NOTE:
ALL WIRING TO BE INSTALLED AS POWER LOCAL CODE. SEE MANUAL FOR MOUNTING INSTRUCTIONS. SEAL CONDUITS W/EXPANDING SEALANT TO PROTECT AGAINST INSECTS AND MOISTURE. CONTROLLER ENCLOSURE SHALL BE LOCATED IN AN AREA WELL PROTECTED FROM VEHICLES. IF THE CONTROLLER IS LOCATED IN AN UNPROTECTED AREA, THEN ONE 6" PIPE BOLLARD FILLED WITH CONCRETE SHALL BE INSTALLED ON EACH OF THE FOUR CORNERS.



1 PEDESTAL MOUNT IRRIGATION CONTROLLER

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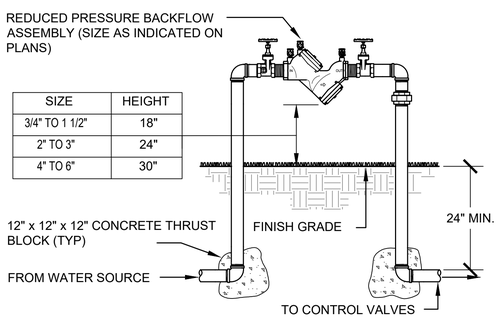


1. RAIN SENSOR
2. GALVANIZED PIPE CAP: 1" CAP OR 1.5" CAP (MATCHING PIPE DIAMETER) WITH HOLE FOR WIRES
3. DRILL TWO 3/16 HOLES IN PIPE FOR SENSOR BRACKET
4. (2) #8-32 STAINLESS STEEL MACHINE SCREWS WITH WASHER, LOCK WASHER AND NUT
5. 1" OR 1.5" GALVANIZED PIPE 6 TO 10 FEET HIGH
6. 12" X 12" CONCRETE BASE 8" DEEP MINIMUM
7. 1" or 1.5" PIPE ELBOW
8. FINISH GRADE. 6" ROUND VALVE BOX.
9. 1" OR 1.5" NIPPLE. GRAVEL.

2 RAIN CLIK DETAL

NOT TO SCALE P-KA-4015.01-42

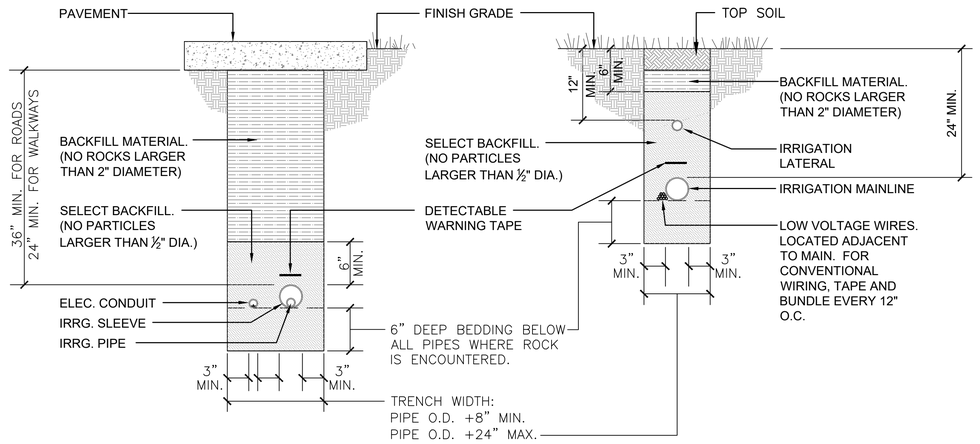
NOTE:
1. ALL PIPE AND FITTINGS LESS THAN 4" IN SIZE SHALL BE COPPER. ALL PIPE AND FITTINGS 4" OR GREATER IN SIZE SHALL BE FLANGED DUCTILE IRON.
2. MIN. HEIGHT MUST BE 12" ABOVE HIEGHEST POINT OF DISTRIBUTION, OR THAT SHOWN IN CHART, WHICHEVER IS GREATEST.



SIZE	HEIGHT
3/4" TO 1 1/2"	18"
2" TO 3"	24"
4" TO 6"	30"

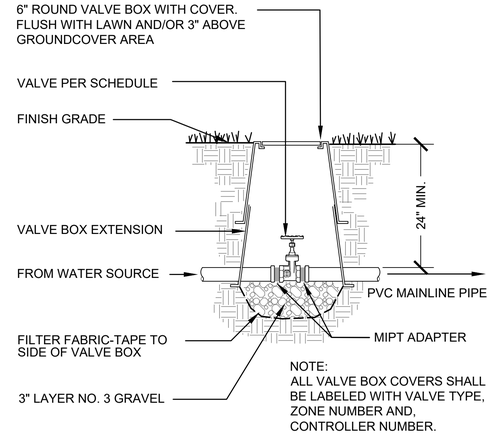
3 REDUCE PRESSURE BACKFLOW PREVENTER

NOT TO SCALE P-KA-4015.01-31



4 IRRIGATION TRENCHING DETAIL

NOT TO SCALE

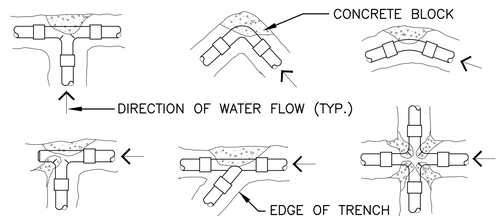


5 GATE VALVE

NOT TO SCALE P-KA-4015.01-32

THRUST BLOCK BEARING AREA (SQ. FT.)				
PIPE SIZE	1 1/4" – 2 1/2"	3"	4"	6"
TEES/ELLS	1.00	1.00	1.25	3.2
90 BENDS	1.00	1.25	2.00	4.5
45 BENDS	1.00	1.00	1.00	2.4

NOTES:
1. INSTALL THRUST BLOCK AT ALL MACHINE BENDS, TEES OR ELLS AS SHOWN BELOW. THRUST BLOCKS SHALL BE MINIMUM OF (1) CU. FT. REDI-MIX CONCRETE OR 2500 PSI 28 DAY CONCRETE.
2. SET ALL THRUST BLOCKS AGAINST UNDISTURBED SOIL.



6 THRUST BLOCK

NOT TO SCALE P-KA-4015.01-27

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
IRRIGATION DETAILS - 1

SCALE: AS SHOWN

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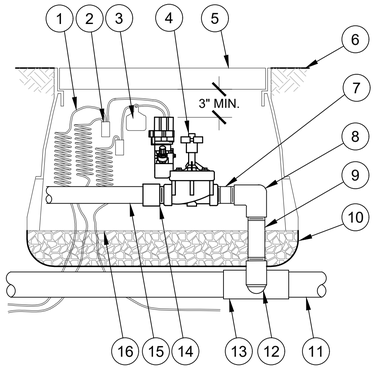
PROJECT NO. 225057-01

SHEET ISSUE DATE: 02/27/26

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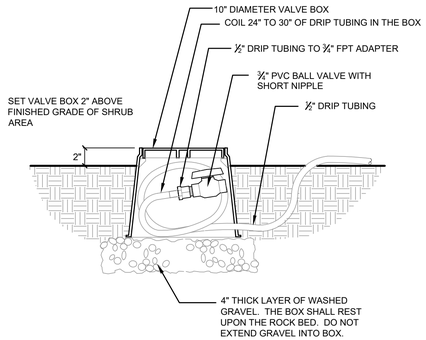


1. 30-INCH LINEAR LENGTH OF WIRE, COILED.
2. WATERPROOF CONNECTION
3. ID TAG
4. REMOTE CONTROL VALVE
5. VALVE BOX
6. FINISH GRADE/TOP OF MULCH
7. PVC SCH 80 NIPPLE (CLOSE)
8. PVC SCH 40 ELL
9. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
10. FILTER FABRIC, FASTEN TO VALVE BOX
11. PVC MAINLINE PIPE
12. SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
13. PVC SCH 40 TEE OR ELL
14. PVC SCH 40 MALE ADAPTER
15. PVC LATERAL PIPE
16. 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

1 REMOTE CONTROL VALVE DETAIL

NOT TO SCALE

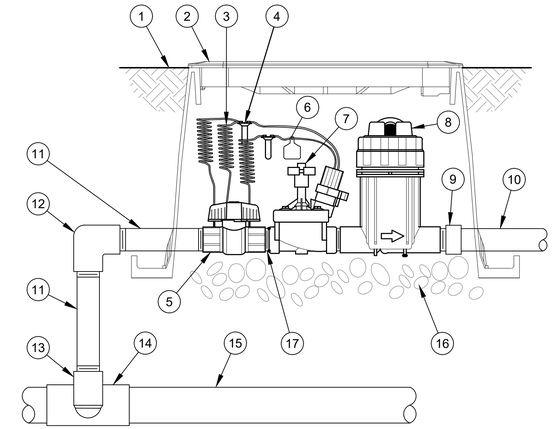
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4 DRIP FLUSH VALVE

NOT TO SCALE

P-KA-4015.01-44

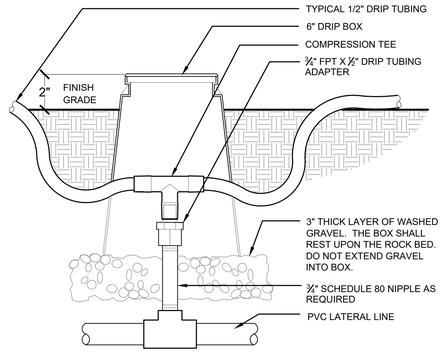


1. FINISH GRADE/TOP OF MULCH
2. VALVE BOX WITH COVER
3. 30-INCH LINEAR LENGTH OF WIRE, COILED
4. WATERPROOF CONNECTION
5. 1-INCH BALL VALVE
6. ID TAG
7. REMOTE CONTROL VALVE
8. PRESSURE REGULATING QUICK CHECK BASKET FILTER:
9. PVC SCH 40 FEMALE ADAPTOR
10. LATERAL PIPE
11. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
12. PVC SCH 40 ELL
13. PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
14. PVC SCH 40 TEE OR ELL
15. MAINLINE PIPE
16. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
17. PVC SCH 80 NIPPLE, CLOSE

2 1" DRIP CONTROL VALVE WITH BASKET FILTER DETAIL

NOT TO SCALE

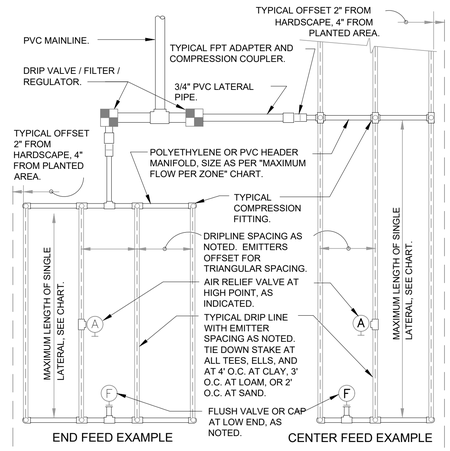
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5 ZONE CONTROL

NOT TO SCALE

P-KA-4015.01-59



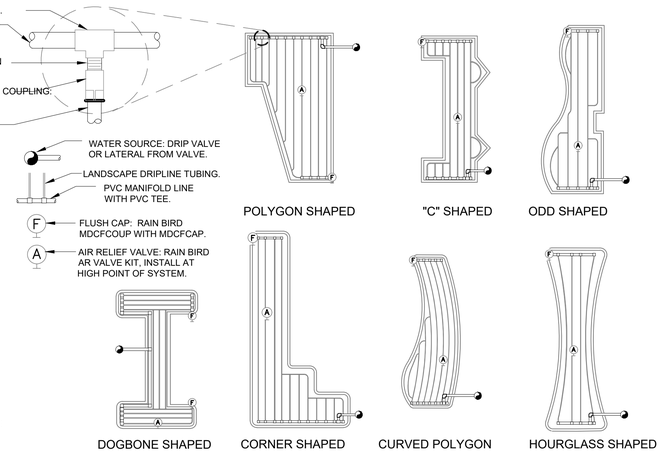
MAXIMUM LATERAL LENGTH (FEET)						
	EMITTER FLOW RATE GPH					
	12" SPACING		18" SPACING		24" SPACING	
PSI	0.6	0.9	0.6	0.9	0.6	0.9
10	125	96	175	135	218	171
20	249	191	350	171	442	340
30	307	236	434	333	550	422
40	350	268	495	380	627	171
50	125	96	175	135	218	171
60	125	96	175	135	218	171

GRID PRECIPITATION RATES (IN/HR)			
		EMITTER FLOW RATE	
EMITTER SPACING	LATERAL SPACING	0.6	0.9
12	12	0.96	1.44
18	18	0.69	1.03
24	24	0.28	0.41

LATERAL FLOW PER 100 FT (GPM)			
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING
0.6 GPH	1.0 GPM	0.67 GPM	0.50 GPM
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM

MAXIMUM FLOW PER ZONE		
	MAX GPM	PSI LOSS
SCHEDULE 40 PVC HEADER SIZE		
1/2"	4.7 GPM	7.7 PSI
3/4"	8.3 GPM	5.6 PSI
1"	13.5 GPM	4.2 PSI
1-1/2"	33.9 GPM	2.9 PSI
2"	52.4 GPM	1.9 PSI
POLY PIPE HEADER SIZE		
1/2"	4.7 GPM	8.8 PSI
3/4"	8.3 GPM	6.3 PSI
1"	13.5 GPM	4.8 PSI
1-1/2"	31.8 GPM	2.9 PSI
2"	52.4 GPM	2.2 PSI

SLOPED CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHEREVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP ⅓ OF SLOPE.
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM ⅓ OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM ⅓ ON A SEPARATE VALVE.



3 TYPICAL RAIN BIRD DRIPLINE REQUIREMENTS

NOT TO SCALE

P-KA-4015.01-72

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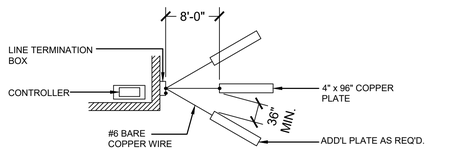
IRRIGATION DETAILS - 2

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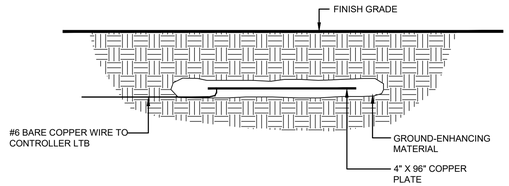
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PLAN VIEW



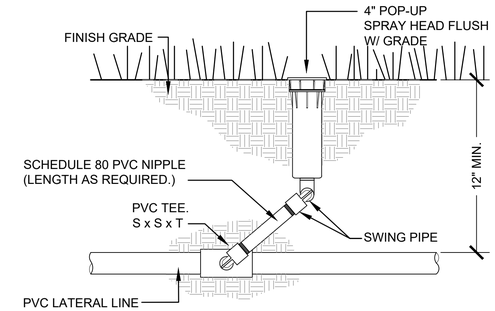
SECTION VIEW

NOTES:

1. INSTALL A GROUNDING NETWORK AT THE LOCATION OF THE CONTROLLER'S LINE TERMINATION BOX (LTB).
2. TEST THE NETWORK FOR EARTH-TO-GROUND RESISTANCE AFTER THE BACKFILL MATERIALS HAS HAD SUFFICIENT TIME TO SETTLE.
3. RESISTANCE READINGS OF 15 OHMS OR GREATER INDICATE INSUFFICIENT GROUNDING.
4. INSTALL ADDITIONAL GROUND RODS, PLATES AND GROUND-ENHANCING MATERIALS AS REQUIRED TO ACHIEVE RESISTANCE READINGS FO 15 OHMS OR LESS.
5. GROUND RODS AND PLATES SHALL BE INSTALLED AT THE RECOMMENDED DISTANCES AS SHOWN IN THE DETAIL DRAWING.
6. FOR ADDITIONAL INFORMATION ON PROPER GROUNDING EQUIPMENT AND TECHNIQUES, REFER TO THE GUIDELINES PUBLISHED BY THE AMERICAN SOCIETY OF IRRIGATION CONSULTANTS (ASIC): "ASIC GUIDELINE 100-2002 (JANUARY 2002) FOR EARTH GROUNDING ELECTRONIC EQUIPMENT IN IRRIGATION SYSTEMS".

1 CONTROLLER GROUNDING - GROUND PLATE NETWORK

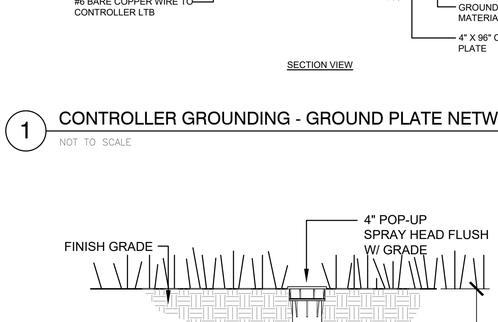
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NOTES:
INSTALL PART CIRCLE POP-UP HEADS 6" FROM EDGE OF PAVED AREAS.

2 4" POP-UP SPRINKLER HEAD

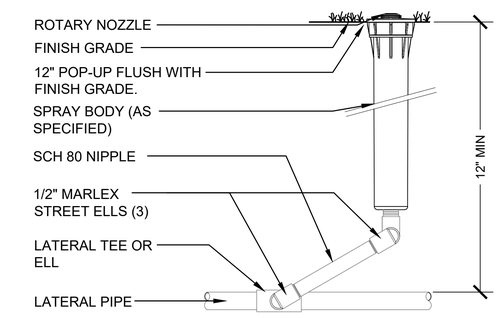
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NOTES:
INSTALL PART CIRCLE POP-UP HEADS 6" FROM EDGE OF PAVED AREAS.

3 4" ROTARY POP-UP DETAIL

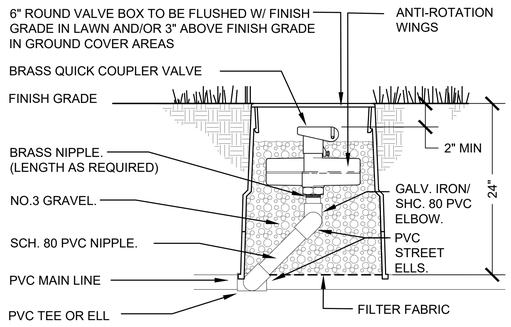
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NOTES:
INSTALL PART CIRCLE POP-UP HEADS 6" FROM EDGE OF PAVED AREAS.

4 12" ROTARY POP UP

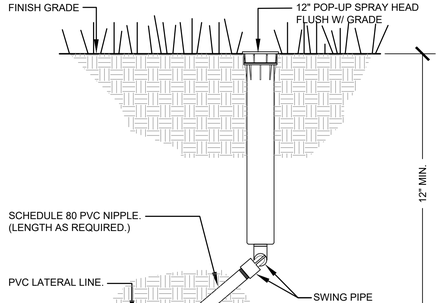
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NOTE:
1. ALL VALVE BOX COVER SHALL BE LABELED WITH VALVE TYPE, ZONE NUMBER AND, CONTROLLER NUMBER.
2. CONTRACTOR SHALL PROVIDE ONE (1) QUICK COUPLER KEY, ONE (1) HOSE ELL & ONE (1) COVER KEY FOR EACH QUICK COUPLER VALVE.

5 QUICK COUPLING VALVE

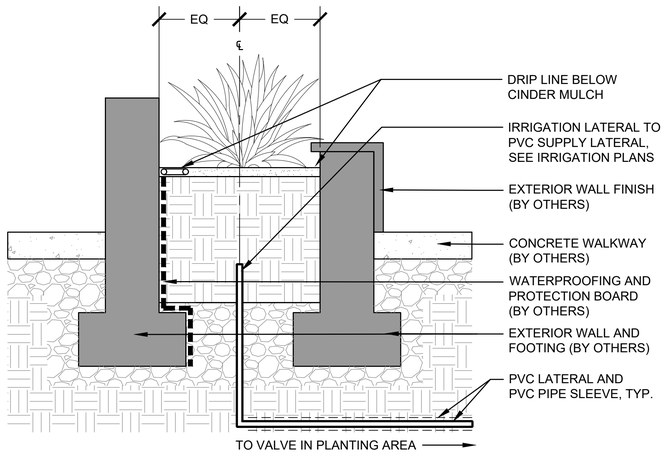
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NOTES:
INSTALL PART CIRCLE POP-UP HEADS 6" FROM EDGE OF PAVED AREAS.

6 12" POP-UP SPRINKLER HEAD

NOT TO SCALE P-KA-4015.01-38



7 TYPICAL ENTRY PLANTER SECTION

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IRRIGATION DETAILS - 3

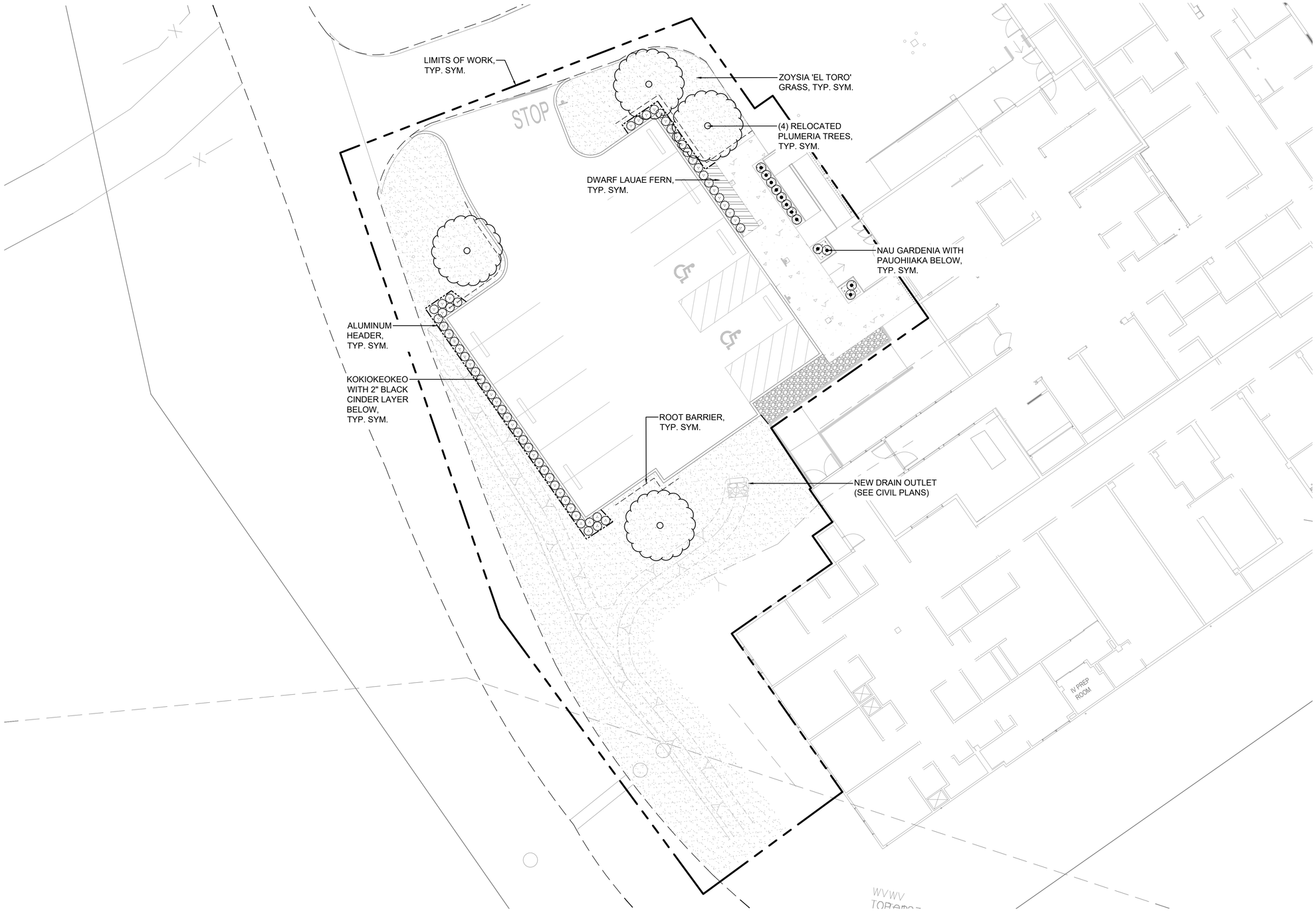
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NOTES:

1. INSTALL ROOT BARRIERS FOR ALL TREES.
2. PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND DIMENSIONS.
3. INSTALL 4" LAYER IMPORTED SCREENED TOPSOIL AND 2" LAYER ORGANIC SOIL AMENDMENT OVER ALL NEW LANDSCAPE AREAS.
4. PROVIDE A NEW AUTOMATIC IRRIGATION SYSTEM FOR ALL NEW PLANTING AREAS, TYP.
5. INSTALL 2" LAYER BLACK CINDER BELOW ALL SHRUB AND GROUNDCOVER AREAS.

GRAPHIC SCALE: 1" = 10'-0"
0 2.5 5 10 20

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DRAWING TITLE

PLANTING PLAN

SCALE: AS SHOWN

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225057-01	L-300
SHEET ISSUE DATE:	
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PLANTING NOTES

1. LANDSCAPE CONTRACTOR SHALL FIELD VERIFY ALL PLANT QUANTITIES AND DIMENSIONS PRIOR TO INSTALLATION. QUANTITIES SHOWN ON PLANT LIST AND MATERIAL SCHEDULES ARE FOR REFERENCE ONLY, VERIFY ACTUAL QUANTITIES AS SHOWN ON PLAN. IF THERE IS A DISCREPANCY, THE PLANTING PLAN SHALL TAKE PRECEDENCE.
2. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES.
3. PRIOR TO TREE AND SHRUB HOLE EXCAVATION, ALL PLANTING LOCATIONS SHALL BE STAKED OUT BY CONTRACTOR FOR APPROVAL BY ARCHITECT. DO NOT PLANT UNTIL GROUND HAS BEEN PREPARED AND FREE OF STONES GREATER THAN ½", DIA., SITE IS NEAT, ORDERLY, AND THE ARCHITECT ACCEPTS SITE FOR PLANTING.
4. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN PLANT LOCATIONS OR INSUFFICIENT PLANT QUANTITIES DUE TO DIFFERENCE IN PLANS AND ACTUAL FIELD CONDITIONS.
5. NOTIFY ARCHITECT 30 DAYS PRIOR TO PLANTING OPERATIONS FOR APPROVAL OF ALL PLANT MATERIAL AT PLACE OF GROWTH. ALL PLANT MATERIAL NOT APPROVED BY THE ARCHITECT WILL BE SUBJECT TO REJECTION. THE ARCHITECT WILL INSPECT PLANTS AT THE PLACE OF GROWTH AND AFTER THE DELIVERY TO THE PROJECT. EACH TREE SHALL BE TAGGED BY THE ARCHITECT. TREES DELIVERED TO THE PROJECT WITHOUT ARCHITECT'S TAG WILL BE REJECTED.
6. PLANTS SHALL MEET SIZE INDICATED BY MINIMUM HEIGHT AND SPREAD. PLANTS SHALL BE STRAIGHT AND UNIFORMLY SHAPED, UNLESS UNIQUE OR SPECIAL CHARACTERISTICS ARE SPECIFIED, AND SHALL BE UNDAMAGED, SOUND, HEALTHY, VIGOROUS AND FREE OF DISEASE AND INSECT INFESTATION. PLANTS NOT CONFORMING TO THESE REQUIREMENTS ON DELIVERY TO THE PROJECT AND AT THE END OF THE PLANT ESTABLISHMENT PERIOD WILL BE REJECTED.
7. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE COMPLETE REMOVAL AND DAMAGES RESULTING FROM PLANTING ANY PLANT SPECIES LISTED ON THE HAWAII DEPARTMENT OF AGRICULTURE 'NOXIOUS WEED RULES' AS DEFINED IN THE STATUTE, HAWAII ADMINISTRATIVE RULES 4:68:1 OR THE 'FEDERAL NOXIOUS WEED LIST' AS DEFINED IN TITLE 7 OF THE CODE OF FEDERAL REGULATIONS (CFR), PARTS 360 AND 361.
8. ALL TREE WORK MUST ADHERE TO AMERICAN NATIONAL STANDARD INSTITUTE (OR ANSI) - A300 TREE CARE STANDARDS AND ANSI-Z133 SAFETY STANDARDS FOR TREE WORK. WORK SHALL BE CONTRACTED TO ARBORISTS THAT HAS BEEN CERTIFIED IN GOOD STANDINGS AS AN ISA CERTIFIED ARBORIST FOR AT LEAST 5 YEARS TO ASSURE THAT TREE WORK IS PERFORMED PROPERLY AND TREES ARE NOT DAMAGED BY PRACTICES SUCH AS TOPPING, FLUSH CUTS, OVER-THINNING, OR CLIMBING WITH SPIKES. CONTRACTOR SHALL SUBMIT A COPY OF THE ISA ARBORIST CERTIFICATION OF GOOD STANDING OF 5 YEARS TO THE ARCHITECT A MINIMUM OF 7 DAYS PRIOR TO TREE PRUNING.
9. FOR THE DURATION OF CONSTRUCTION WITHIN THE DRIP LINE OF TREES TO REMAIN THERE MUST BE: NO CHANGES, ALTERATIONS OR DISTURBANCE TO THE GRADE BY ADDING FILL, EXCAVATING OR SCRAPING EXCEPT AS NOTED ON PLANS; NO STORAGE OF CONSTRUCTION MATERIAL OR EQUIPMENT; NO STOCKPILING OF ANY CONSTRUCTION MATERIAL OR ANY EXCAVATED MATERIAL NO DISPOSAL OF ANY LIQUIDS (E.G. CONCRETE SLEUTH, GAS, OIL, PAINT); NO VEHICULAR TRAFFIC, EQUIPMENT OR EXCESSIVE PEDESTRIAN TRAFFIC NO ATTACHMENT OF ANY WIRES, ROPES, LIGHTS, OR ANY OTHER SUCH ATTACHMENT OTHER THAN THOSE OF PROTECTIVE NATURE TO ANY TREE TO BE PRESERVED; AND NO CLEANING OF EQUIPMENT OR MATERIAL UNDER THE CANOPY OF ANY TREE OR GROUP OF TREES TO REMAIN.
10. PROTECTIVE FENCE SHALL BE ERECTED AROUND TREES IDENTIFIED ON PLAN OR TREES WITH TRUNK DIAMETER GREATER THAN 24 INCHES AS MEASURED AT HEIGHT OF 4 ½ FEET. PROTECTIVE FENCE SHALL BE 4 FEET HIGH ORANGE PLASTIC MESH OR APPROVED EQUIVALENT SUPPORTED ON STEEL T-POST A MINIMUM OF 6 FEET LONG. PROTECTIVE FENCE SHALL SURROUND TREE AT MINIMUM OF 10 FEET FROM TREE TRUNK WITH STEEL T-POST AT A MINIMUM OF 5 FEET ON CENTER.
11. IF TREES OTHER THAN THOSE SPECIFICALLY DESIGNATED FOR REMOVAL ARE DAMAGED BEYOND SURVIVAL CONDITIONS AS DETERMINED BY THE ARCHITECT, THE CONTRACTOR SHALL REMOVE SUCH TREES AND REPLACE THE TREE WITH A SAME SPECIES AND SIZE AND MAINTAIN FOR THE DURATION OF CONSTRUCTION OR 12 MONTHS WHICHEVER IS GREATER AT NO COST TO THE OWNER.
12. PROVIDE AN EVEN LAYER OF PLANTING SOIL OVER ALL PLANTING AREAS. REFER TO THE SPECIFICATIONS FOR TOPSOIL MIXTURE DEPTH. REPRESENTATIVE SAMPLES OF SOIL FROM PROJECT SITE SHALL BE SUBMITTED TO A LABORATORY ACCEPTABLE TO THE ARCHITECT FOR ANALYSIS OF REQUIRED SOIL AMENDMENTS. TEST RESULTS AND FERTILIZATION SCHEDULE SHALL BE PRESENTED TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE BEFORE PLACING PLANTING SOIL. UNIFORMLY DISTRIBUTE FERTILIZER AND AMENDMENTS OVER PLANTING AREAS AS RECOMMENDED BY THE SOIL ANALYSIS REPORT. ROTOTILL TOP LAYER OF SOIL TO EVENLY INCORPORATE FERTILIZER AND AMENDMENTS.
13. GUY WIRES, FLAGGING, STAKES, WINDBREAKERS, ETC. SHALL BE MAINTAINED AND REPLACED IF NECESSARY BY THE CONTRACTOR UNTIL THE TREE OR SHRUB IS ABLE TO STAND BY ITSELF. THE CONTRACTOR SHALL REMOVE AND DISPOSE AT THE END OF PLANT ESTABLISHMENT PERIOD.
14. AFTER INSTALLATION OF PLANTING & IRRIGATION, LANDSCAPE CONTRACTOR TO PROVIDE MARK-UP INFORMATION OF ANY CHANGES MADE IN THE FIELD TO THE FINAL DESIGN PLANS.

GENERAL PROJECT NOTES

1. THESE NOTES ARE TO BE USED FOR GENERAL REFERENCE IN CONJUNCTION WITH, AND AS A SUPPLEMENT TO ANY WRITTEN SPECIFICATIONS, APPROVED ADDENDA, AND CHANGE ORDERS ASSOCIATED WITH THESE LANDSCAPE CONSTRUCTION DOCUMENTS.
2. A QUALIFIED SUPERVISOR SHALL BE PRESENT ON SITE AT ALL TIMES DURING DEMOLITION.
3. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO COORDINATE ALL CONSTRUCTION ELEMENT LOCATIONS WITH OTHER TRADES PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATIONS OF EXISTING AND FUTURE UNDERGROUND SERVICES AND IMPROVEMENTS WHICH MAY CONFLICT WITH THE WORK TO BE DONE. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE.
4. OBSERVATION VISITS TO THE JOB SITE BY THE OWNER'S REPRESENTATIVE DO NOT INCLUDE INSPECTIONS OF CONSTRUCTION METHODS AND SAFETY CONDITIONS AT THE WORK SITE. THESE VISITS SHALL NOT BE CONSTRUED AS CONTINUOUS AND DETAILED INSPECTIONS.
5. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE.
6. CONSTRUCTION DETAILING, MATERIALS, EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED WITHIN THESE PLANS MAY BE CONSIDERED FOR USE PROVIDED PRIOR WRITTEN APPROVAL IS OBTAINED FROM OWNER'S REPRESENTATIVE PRIOR TO IMPLEMENTATION.
7. AREAS TO BE PROTECTED FROM GRADING OR CONSTRUCTION DISTURBANCE ARE FENCED OR ROPED-OFF WITH YELLOW ROPES AS PER PLANS BY OWNER'S REPRESENTATIVE AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PERFORM ALL CONSTRUCTION ACTIVITY OUTSIDE OF PROTECTED AREAS AND SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF PROTECTED AREAS ON A DAILY BASIS. DAMAGED AREAS THAT HAVE BEEN DESIGNATED TO BE PROTECTED SHALL BE RESTORED TO ORIGINAL CONDITIONS AT CONTRACTORS EXPENSE.
8. LANDSCAPE CONTRACTOR (LC) SHALL BE FAMILIAR WITH AND ADHERE TO ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS PERTAINING TO THE PROJECT WORK. ANY CONFLICTS MUST BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY.
9. LC SHALL INSPECT THE CONDITION OF EXISTING WORK FOR DEFECTS PRIOR TO BEGINNING WORK. ALL HARDSCAPE WILL BE REVIEWED DURING THE FINAL ACCEPTANCE WALK. ANY DAMAGE DUE TO THE LC WORK SHALL BE REPAIRED AT THEIR EXPENSE.
10. WHERE 2 OR MORE REQUIREMENTS CREATE OVERLAPPING CONDITIONS, CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR INTERPRETATION.

SPECIAL NOTE - COQUI FROG

(ELEUTHERODACTYLUS COQUI AND/OR ELUTHERODACTYLUS PLANIROSTRIS):

1. PRIOR TO TRANSPORT TO THE PROJECT, INSPECT, TAKE PRECAUTIONS, AND CERTIFY THAT PLANT MATERIALS, EQUIPMENT AND VEHICLES ARE FREE OF COQUI FROGS AND/OR THIER EGGS.
2. IN THE EVENT OF THE PRESENCE OF COQUI FROGS AND/OR THEIR EGGS, THEY SHALL BE COMPLETELY DESTROYED AND REMOVED AND THE PLANT MATERIAL, EQUIPMENT, OR VEHICLE TREATED AS RECOMMENDED BY THE STATE AND RE-INSPECTED.
3. REPORT PRESENCE OF COQUI FROGS OR EGGS TO THE HAWAII DEPT. OF AGRICULTURE PEST HOTLINE AT (808) 643-PEST (7278), OR HAWAII EARLY DETECTION NETWORK AT "REPORT A PEST ONLINE" WWW.643PEST.ORG, OR THE MAUI INVASIVE SPECIES COMMITEE (MISC) PH. (808) 573-6472 OR EMAIL: MISCPR@HAWAII.EDU, OR BIG ISLAND INVASIVE SPECIES COMMITTEE (BIISC), EMAIL: BIISC@HAWAII.EDU OR WEBSITE: WWW.BIISC.ORG.

MULCH STORAGE AND PLACEMENT NOTES

1. CONTRACTOR SHALL INSPECT ALL MULCH FOR COCONUT RHINOCEROS BEETLE (Oryctes rhinoceros) AND LARVAE PRIOR TO PLACEMENT OF MULCH. CONTRACTOR SHALL SUBMIT A LETTER CERTIFYING THAT MULCH MATERIAL IS FREE OF RHINOCEROS BEETLE LARVE OR OTHER INVASIVE SPECIES PRIOR TO PLACEMENT. CONTRACTOR SHALL REFER TO THE HAWAII DEPARTMENT OF AGRICULTURE (HDOA) "HONOLULU COCONUT RHINOCEROS BEETLE ERADICATION PROGRAM" BROCHURE DATED REV. 3/4/15. MORE INFORMATION IS AVAILABLE AT <http://hdoa.hawaii.gov/PI/MAIN/CRB/>
2. IF COCONUT RHINOCEROS BEETLE (CRB) OR CRB LARVAE ARE FOUND, CONTRACTOR SHALL NOTIFY THE HDOA MAUI PLANT PEST CONTROL BRANCH IMMEDIATELY PHONE: 808-873-3555. CONTRACTOR SHALL ALSO REPORT SIGHTING TO THE HAWAII STATE PEST HOTLINE: 808-643-PEST (7378) OR EMAIL VIA <STOP.RHINO@GMAIL.COM>
3. CONTRACTOR SHALL FOLLOW PROPER PROCEDURE AS DETERMINED BY THE HDOA FOR THE REMOVAL AND ERADICATION OF CRB OR CRB LARVAE (AND OTHER INVASIVE SPECIES IF DISCOVERED) .
4. CONTRACTOR SHALL SUBMIT A PLAN TO REMOVE & ERADICATE CRB OR CRB LARVAE AND OTHER INVASIVE SPECIES FROM MULCH MATERIAL TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND ACCEPTANCE.
5. CONTRACTOR SHALL ENSURE DEPTH OF PLACED MULCH DOES NOT EXCEED TWO (2) INCHES.

LITTLE FIRE ANT PREVENTION PROGRAM

1. LANDSCAPE CONTRACTOR WILL SCHEDULE AND NOTIFY ARCHITECT OF RECORD AND THE OWNER'S REPRESENTATIVE PRIOR TO DELIVERY OF ANY PLANT MATERIALS TO THE PROJECT.
2. LANDSCAPE CONTRACTOR WILL SUBMIT A PLAN TO THE ARCHITECT AND THE OWNER'S REPRESENTATIVE FOR APPROVAL TO PREVENT IMPORTATION OF LITTLE FIRE ANT (LFA) ONTO THE PROPERTY, I.E. PROVIDE QUARANTINE OR A HOLDING AREA FOR 6 WEEKS BEFORE PLANT DELIVERY TO PROJECT SITE.
3. LANDSCAPE CONTRACTOR WILL BUY PLANTS OR PLANTING MATERIALS ONLY FROM FIRE ANT-FREE NURSERIES AND SUPPLIERS.
4. LANDSCAPE CONTRACTOR WILL TEST FOR LFA AND IDENTIFY THE SPECIES CORRECTLY. CONSULT WEBSITE: WWW.LITTLEFIREANTS.COM FOR TESTING METHODS AND SPECIES IDENTIFICATION.
5. LANDSCAPE CONTRACTOR WILL BAIT AND ALLOW AT LEAST 2 WEEKS FOR THE BAIT TO BE CARRIED BACK TO THE COLONY FOR ALL PLANTS AND NURSERY MATERIALS AT THE SUPPLYING NURSERIES REGARDLESS OF THE FIRE ANT-FREE CLAIM.
6. LANDSCAPE CONTRACTOR WILL APPLY A BARRIER TREATMENT, FOLLOWING THE BAITING, TO ALL NURSERY MATERIALS AT THE SUPPLYING NURSERIES REGARDLESS OF THE FIRE ANT-FREE CLAIM.
7. LANDSCAPE CONTRACTOR WILL DRENCH ALL SOILS OR LOOSE NURSERY MATERIALS WITH THE PROPER MIXTURE OF SEVIN PER GALLON OF WATER INDICATED BY THE MANUFACTURER AND FOLLOW MANUFACTURER'S SAFETY PRECAUTIONS.

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REVISIONS

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

PLANTING NOTES

SCALE: AS SHOWN

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PW/AF	MS

PROJECT NO. 225057-01

SHEET ISSUE DATE: 02/27/26

DRAWING NO. **L-301**

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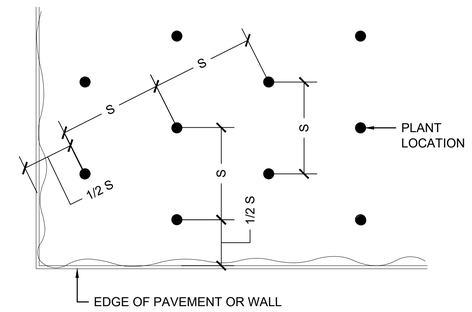
HYDRO SPRIG:
MULCH SHALL BE SPECIFICALLY PROCESSED FIBER CONTAINING NO GROWTH OR GERMINATION INHIBITING FACTORS. IT SHALL BE SUCH THAT AFTER ADDITION AND AGITATION IN THE HYDRAULIC EQUIPMENT WITH GRASS/SPRIGS, FERTILIZER, WATER AND, OTHER ADDITIVES NOT DETRIMENTAL TO PLANT GROWTH, THE FIBERS WILL FORM A HOMOGENEOUS SLURRY WHEN HYDRAULICALLY SPRAYED ON THE SOIL. THE FIBERS SHALL FORM A BLOTTER-LIKE GROUND COVER WHICH READILY ABSORBS WATER AND ALLOWS INFILTRATION, COMPLETE COVERAGE OF THE SURFACE SHALL BE ATTAINED.



1 HYDRO-SPRIG DETAIL

NOT TO SCALE P-KA-4015.01-04

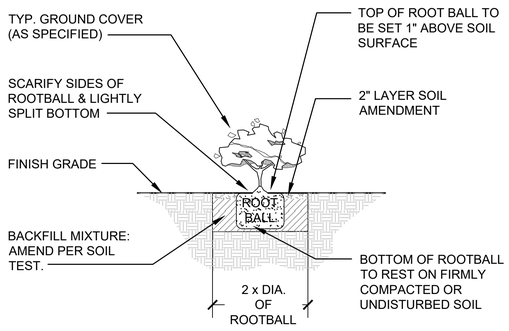
NOTE:
1. S = SPACING, (REFER TO PLANT LIST FOR SPACING)
2. USE SPACING LAYOUT FOR SHRUBS, GROUNDCOVERS, AND ANNUALS



2 TRIANGULAR SPACING

NOT TO SCALE P-KA-4015.01-01

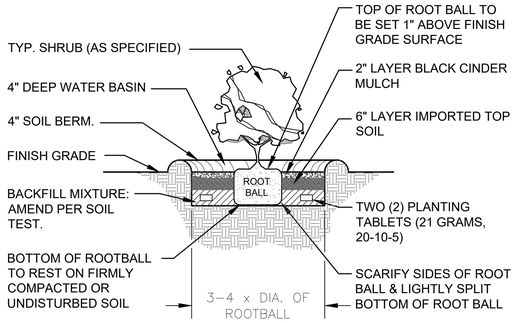
NOTE:
IMMEDIATELY AFTER PLANTING, WATER HEAVILY TO ENSURE SOIL SETTLES AROUND ROOTS.



3 GROUND COVER PLANTING

NOT TO SCALE P-KA-4015.01-02

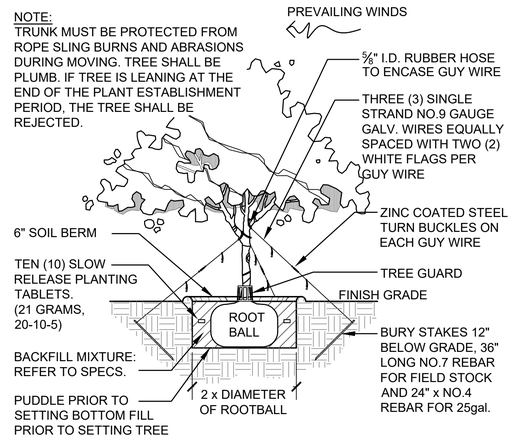
NOTES:
1. SINGLE STEM SHRUBS SHALL BE PLUMB. IF SHRUB IS LEANING AT THE END OF THE PLANT ESTABLISHMENT PERIOD, IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
2. IMMEDIATELY AFTER PLANTING, WATER HEAVILY TO ENSURE SOIL SETTLES AROUND ROOTS.



4 SHRUB PLANTING

NOT TO SCALE P-KA-4015.01-05

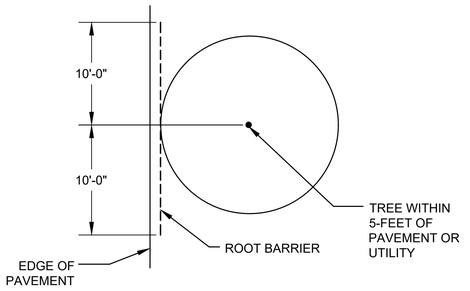
NOTE:
TRUNK MUST BE PROTECTED FROM ROPE SLING BURNS AND ABRASIONS DURING MOVING. TREE SHALL BE PLUMB. IF TREE IS LEANING AT THE END OF THE PLANT ESTABLISHMENT PERIOD, THE TREE SHALL BE REJECTED.

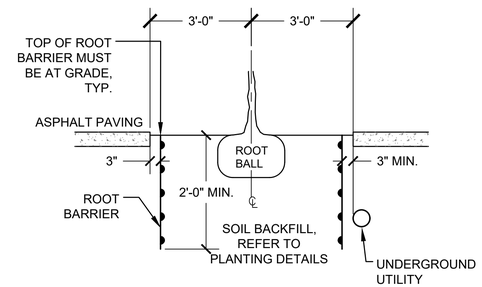


5 TREE PLANTING AND GUYING

NOT TO SCALE P-KA-4015.01-40

NOTES:
1. PLACE TOP EDGE OF PLASTIC ROOT BARRIER AT FINISH GRADE AND SECURE W/MANUFACTURER PROVIDED PINS.
2. SEAMS SHALL HAVE MINIMUM 3" OVERLAP. REFER TO MANUFACTURER INSTRUCTIONS FOR BONDING THE SEAM.
3. DO NOT ALLOW GAPS IN BARRIER DURING INSTALLATION OR BACKFILLING.
4. FOR BIO-BARRIER TYPE ROOT BARRIERS: NODULES TO FACE TREE. PLASTIC ROOT BARRIER SHOULD NOT BE LEFT EXPOSED TO SURFACE WATER OR SUNLIGHT FOR MORE THAN 12 HOURS SINCE HIGH TEMPERATURES AND SUNLIGHT REDUCE EFFECTIVE LIFE OF PRODUCT. REFER TO PRODUCT LABEL AND MSDS SHEET FOR SAFETY INFORMATION.
5. REFER TO PLANTING FOR TREE LOCATIONS.





6 ROOT BARRIER

NOT TO SCALE P-KA-4015.01-10

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REVISIONS

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
PLANTING DETAILS

SCALE: AS SHOWN

DRAWN BY:	CHECKED BY:
PW/AF	MS

PROJECT NO.	DRAWING NO.
225057-01	L-302
SHEET ISSUE DATE: 02/27/26	

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PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	FIELD3	REMARKS
SHRUBS						
	12	GARDENIA BRIGHAMII	NAU GARDENIA	1 GAL.	24" O.C.	FULL & BUSHY, 24" HEIGHT MIN.
	59	HIBISCUS WAIMEAE	KOKIOKEOKEO	3 GAL.	AS SHOWN	FULL & BUSHY, 36" HEIGHT, MIN.

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
GROUND COVERS						
	45 SF	JACQUEMONTIA OVALIFOLIA SANDWICENSIS	PAUOHIIAKA	6" POT	12" O.C.	TRIANGULAR SPACING
	45 SF	MICROSORUM SCOLOPENDRIA 'DWARF'	DWARF LAUAE FERN	6" POT	12" O.C.	TRIANGULAR SPACING
HYDRO-MULCH SEEDING						
	4,365 SF	ZOYSIA JAPONICA 'EL TORO'	ZOYSIA 'EL TORO' GRASS	HYDROSPRIG		

MISC. REF. NOTES

	DESCRIPTION	QTY
—----—	ALUMINUM HEADER	125 LF
— — —	ROOT BARRIER	80 LF
	2" LAYER SOIL AMENDMENT	5,150 SF
	4" LAYER IMPORTED TOP SOIL	65 CY
	2" LAYER BLACK CINDER MULCH	3 CY

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PLANT SCHEDULE

SCALE: AS SHOWN

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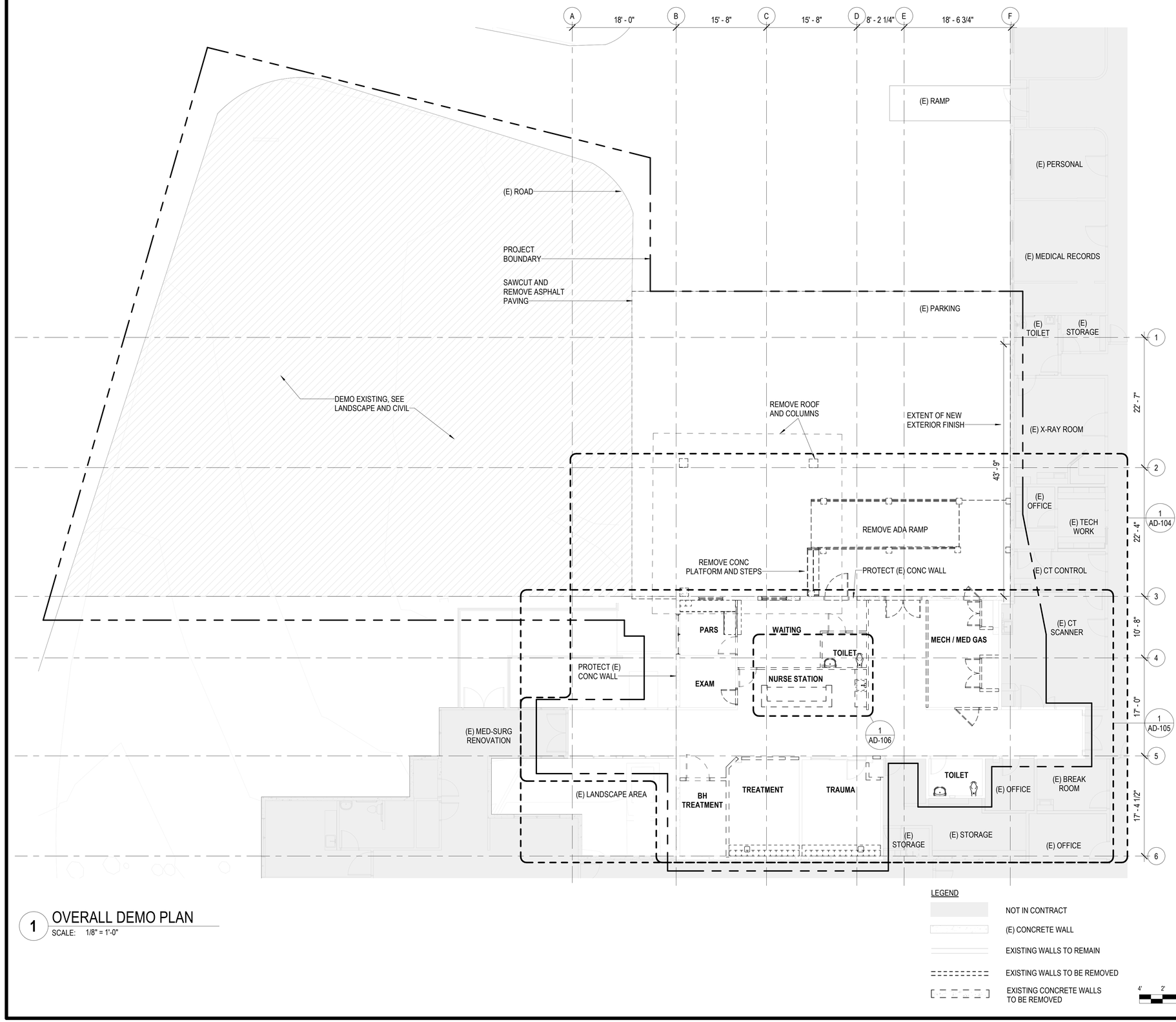
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225057-01

SHEET ISSUE DATE:
02/27/26

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1 OVERALL DEMO PLAN

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

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
2/27/2026

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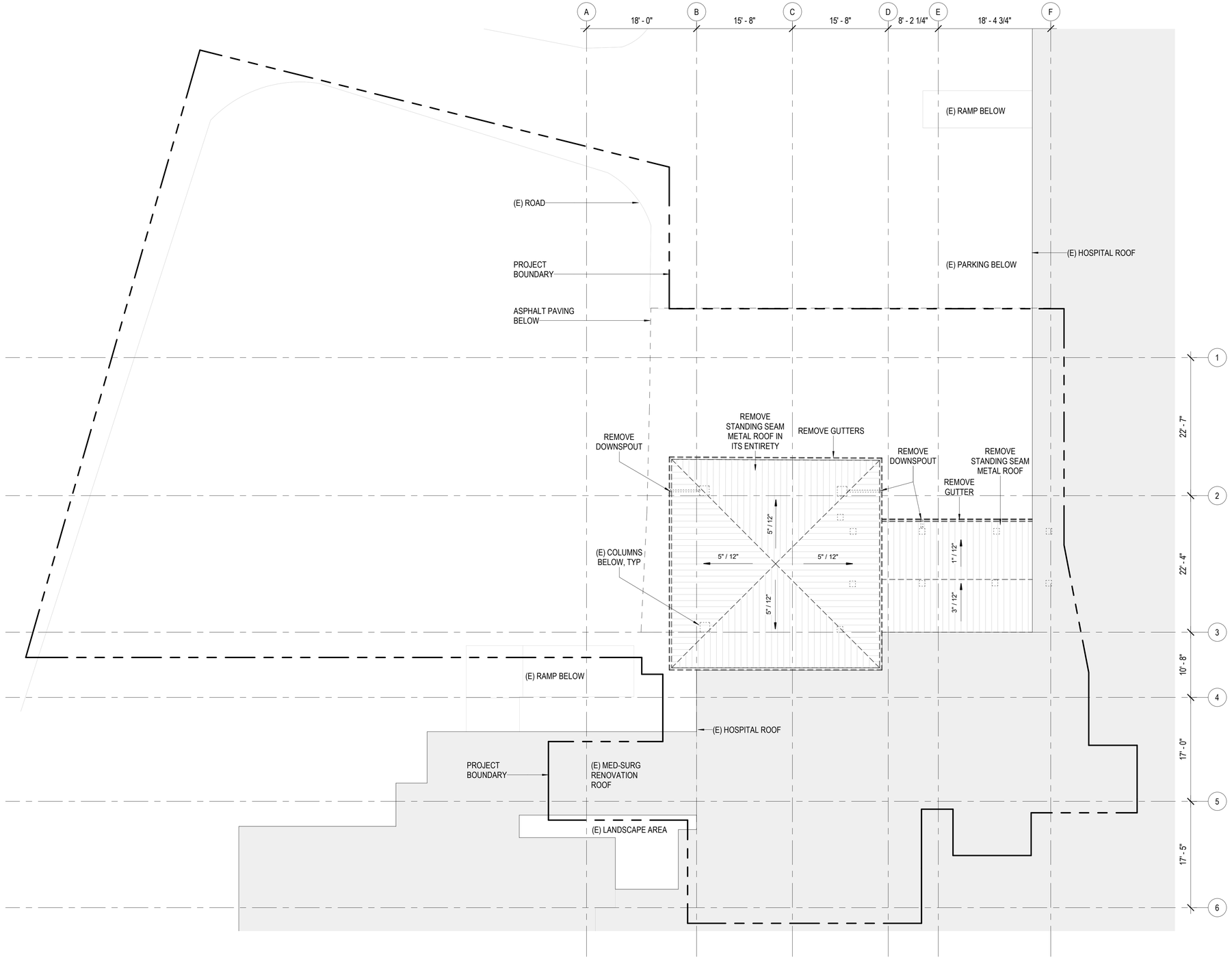
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OVERALL DEMO PLAN

SCALE: As indicated

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	AD-101
SHEET ISSUE DATE: 2/27/26	

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1 OVERALL DEMO ROOF PLAN

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

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

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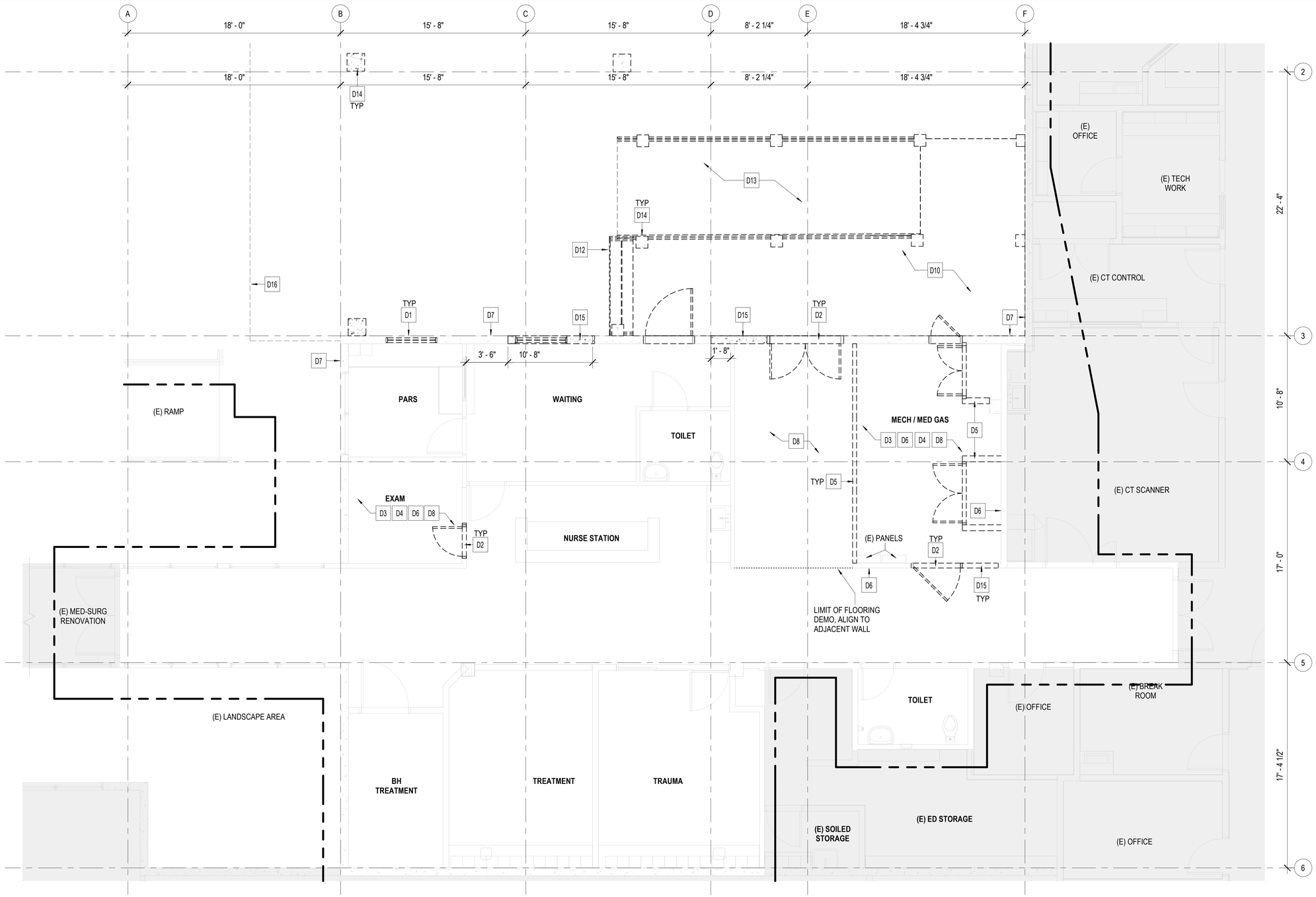
DRAWING TITLE
OVERALL DEMO ROOF PLAN

SCALE: As indicated

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	AD-102
SHEET ISSUE DATE:	
2/27/26	

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1 ENLARGED DEMO STAGE A

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

DEMO KEYNOTE	DEMO DESCRIPTION
D1	REMOVE WINDOWS, FRAMES AND TRIMS.
D2	REMOVE DOOR, FRAME AND THRESHOLD.
D3	REMOVE LIGHT FIXTURES WITHIN ROOM(S), AS INDICATED IN DRAWINGS.
D4	REMOVE CEILING AND SUPPORTS WITHIN ROOM(S), AS INDICATED IN DRAWINGS.
D5	REMOVE WALL CONSTRUCTION, IN ITS ENTIRETY.
D6	REMOVE WALL FINISH, PATCH AND PREP SECTIONS OF WALLS TO REMAIN.
D7	REMOVE EXTERIOR FINISHES, PATCH AND PREP WALLS TO RECEIVE NEW FINISH.
D8	REMOVE FLOOR FINISHES WITHIN ROOM(S), AS INDICATED IN DRAWINGS. PATCH AND PREP FLOOR SLABS TO RECEIVE NEW FLOOR FINISH.

DEMO KEYNOTE	DEMO DESCRIPTION
D9	REMOVE COUNTERTOPS, CABINETS, MILLWORK AND ALL ASSOCIATED EQUIPMENT.
D10	REMOVE CONCRETE SLAB, BOUNDARY INDICATED ON DRAWINGS.
D11	REMOVE PLUMBING FIXTURE(S) AND ASSOCIATED TRIMS AND ACCESSORIES.
D12	REMOVE STAIRS AND ASSOCIATED HANDRAILS.
D13	REMOVE RAMPS AND ASSOCIATED GUARDRAILS AND HANDRAILS.
D14	REMOVE COLUMN AND FOOTINGS IN ITS ENTIRETY.
D15	REMOVE PORTION OF WALL AS INDICATED ON THE DRAWINGS.
D16	REMOVE PORTION OF PAVING, AS INDICATED ON THE DRAWINGS.
D17	REMOVE PORTION OF WAll TO TOP OF COUNTERTOP.

LEGEND

- NOT IN CONTRACT
- (E) CONCRETE WALL
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE REMOVED
- EXISTING CONCRETE WALLS TO BE REMOVED

4' 2' 0' 4' 8'

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
2/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
ENLARGED DEMO STAGE A PLAN

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

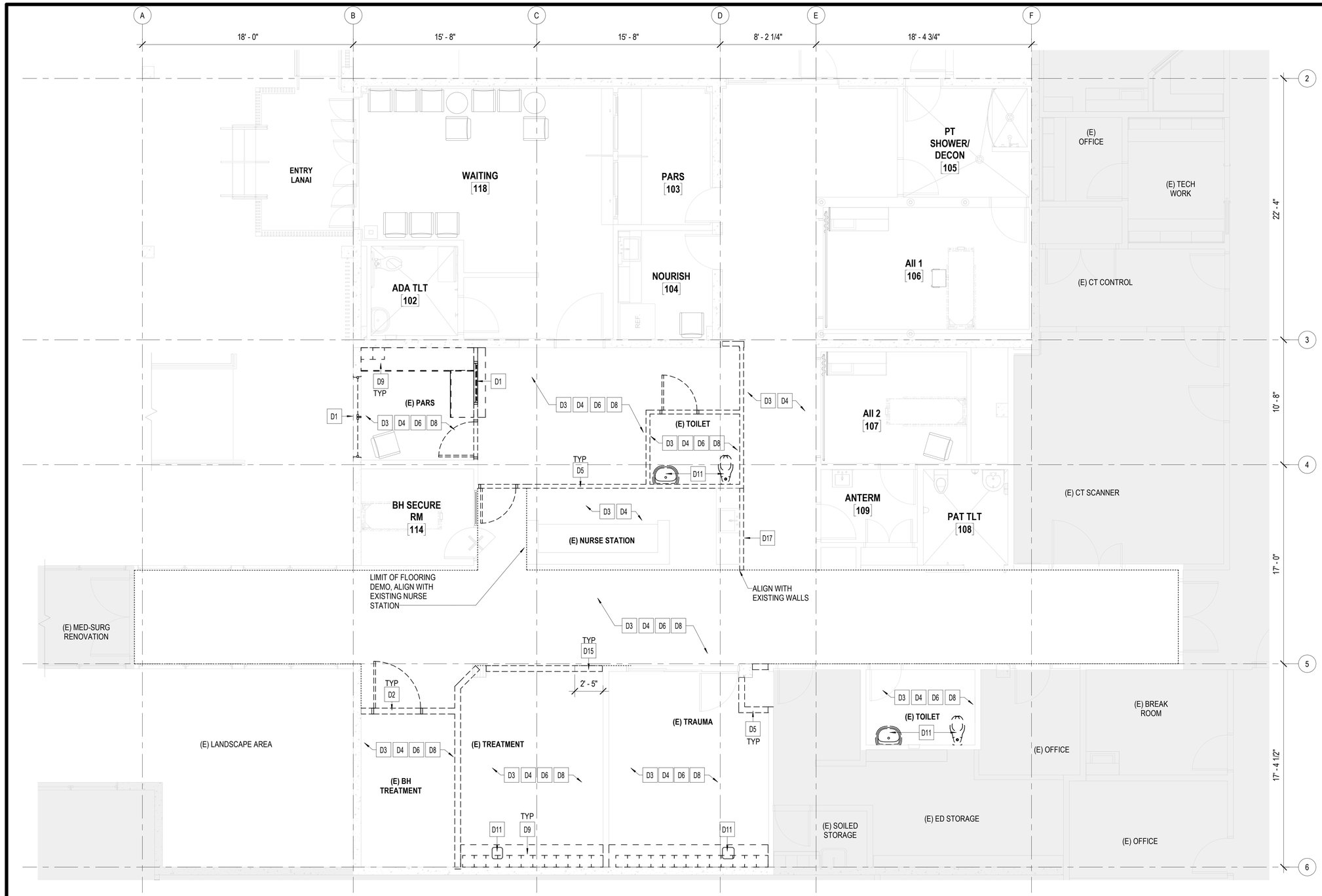
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Author	Checker

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225057-01	AD-104

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1 ENLARGED DEMO STAGE B

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

DEMO KEYNOTE	DEMO DESCRIPTION
D1	REMOVE WINDOWS, FRAMES AND TRIMS.
D2	REMOVE DOOR, FRAME AND THRESHOLD.
D3	REMOVE LIGHT FIXTURES WITHIN ROOM(S), AS INDICATED IN DRAWINGS.
D4	REMOVE CEILING AND SUPPORTS WITHIN ROOM(S), AS INDICATED IN DRAWINGS.
D5	REMOVE WALL CONSTRUCTION, IN ITS ENTIRETY.
D6	REMOVE WALL FINISH, PATCH AND PREP SECTIONS OF WALLS TO REMAIN.
D7	REMOVE EXTERIOR FINISHES, PATCH AND PREP WALLS TO RECEIVE NEW FINISH.
D8	REMOVE FLOOR FINISHES WITHIN ROOM(S), AS INDICATED IN DRAWINGS. PATCH AND PREP FLOOR SLABS TO RECEIVE NEW FLOOR FINISH.

DEMO KEYNOTE	DEMO DESCRIPTION
D9	REMOVE COUNTERTOPS, CABINETS, MILLWORK AND ALL ASSOCIATED EQUIPMENT.
D10	REMOVE CONCRETE SLAB, BOUNDARY INDICATED ON DRAWINGS.
D11	REMOVE PLUMBING FIXTURE(S) AND ASSOCIATED TRIMS AND ACCESSORIES.
D12	REMOVE STAIRS AND ASSOCIATED HANDRAILS.
D13	REMOVE RAMPS AND ASSOCIATED GUARDRAILS AND HANDRAILS.
D14	REMOVE COLUMN AND FOOTINGS IN ITS ENTIRETY.
D15	REMOVE PORTION OF WALL AS INDICATED ON THE DRAWINGS.
D16	REMOVE PORTION OF PAVING, AS INDICATED ON THE DRAWINGS.
D17	REMOVE PORTION OF WAII TO TOP OF COUNTERTOP.

LEGEND

- NOT IN CONTRACT
- (E) CONCRETE WALL
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE REMOVED
- EXISTING CONCRETE WALLS TO BE REMOVED

4' 2' 0' 4' 8'

NORTH

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

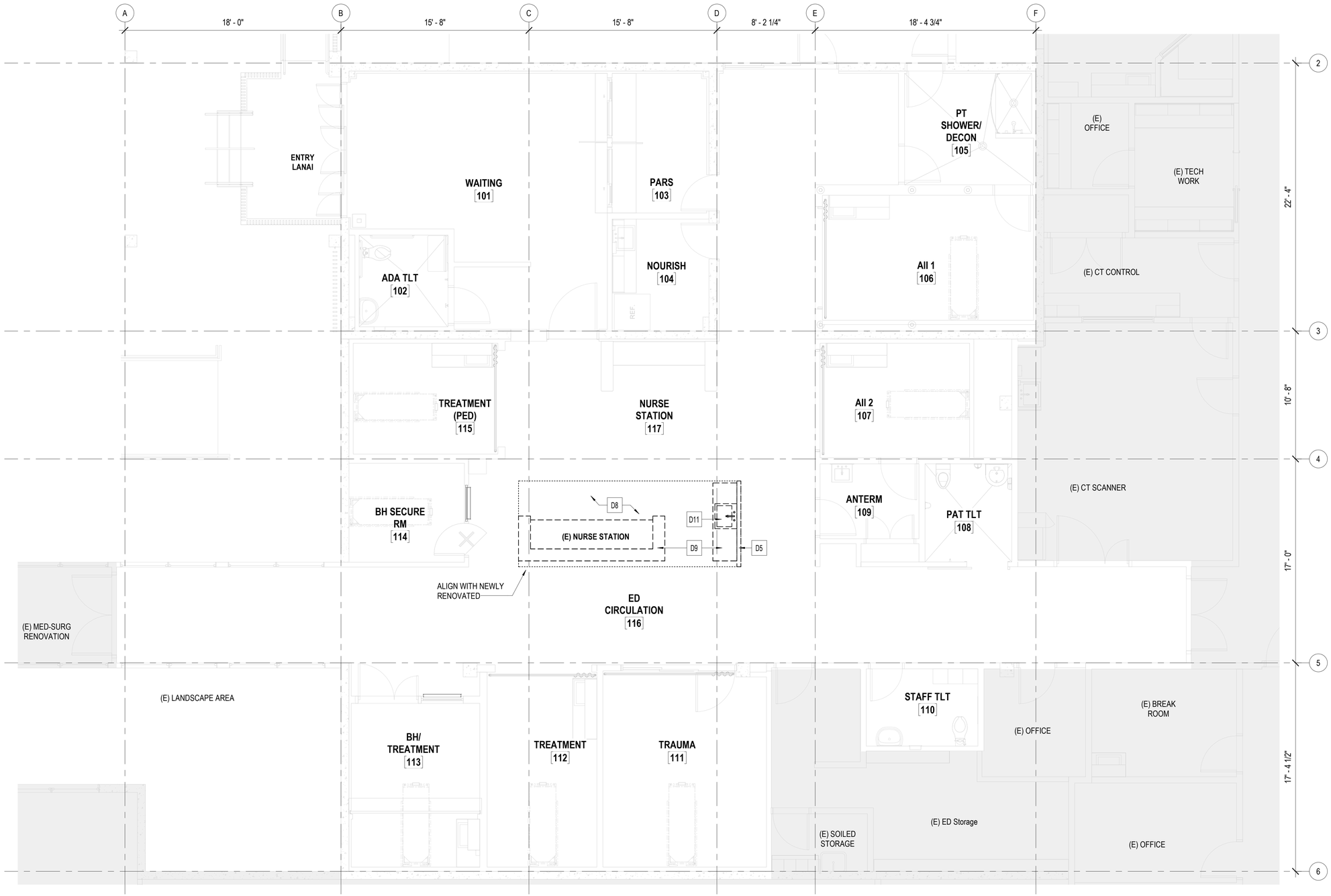
ENLARGED DEMO STAGE B PLAN

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

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PROJECT NO.	DRAWING NO.
225057-01	AD-105
SHEET ISSUE DATE:	
2/27/26	

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1 ENLARGED DEMO STAGE C

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

DEMO KEYNOTE	DEMO DESCRIPTION
D1	REMOVE WINDOWS, FRAMES AND TRIMS.
D2	REMOVE DOOR, FRAME AND THRESHOLD.
D3	REMOVE LIGHT FIXTURES WITHIN ROOM(S), AS INDICATED IN DRAWINGS.
D4	REMOVE CEILING AND SUPPORTS WITHIN ROOM(S), AS INDICATED IN DRAWINGS.
D5	REMOVE WALL CONSTRUCTION, IN ITS ENTIRETY.
D6	REMOVE WALL FINISH, PATCH AND PREP SECTIONS OF WALLS TO REMAIN.
D7	REMOVE EXTERIOR FINISHES, PATCH AND PREP WALLS TO RECEIVE NEW FINISH.
D8	REMOVE FLOOR FINISHES WITHIN ROOM(S), AS INDICATED IN DRAWINGS. PATCH AND PREP FLOOR SLABS TO RECEIVE NEW FLOOR FINISH.

DEMO KEYNOTE	DEMO DESCRIPTION
D9	REMOVE COUNTERTOPS, CABINETS, MILLWORK AND ALL ASSOCIATED EQUIPMENT.
D10	REMOVE CONCRETE SLAB, BOUNDARY INDICATED ON DRAWINGS.
D11	REMOVE PLUMBING FIXTURE(S) AND ASSOCIATED TRIMS AND ACCESSORIES.
D12	REMOVE STAIRS AND ASSOCIATED HANDRAILS.
D13	REMOVE RAMPS AND ASSOCIATED GUARDRAILS AND HANDRAILS.
D14	REMOVE COLUMN AND FOOTINGS IN ITS ENTIRETY.
D15	REMOVE PORTION OF WALL AS INDICATED ON THE DRAWINGS.
D16	REMOVE PORTION OF PAVING, AS INDICATED ON THE DRAWINGS.
D17	REMOVE PORTION OF WAll TO TOP OF COUNTERTOP.

LEGEND

- NOT IN CONTRACT
- (E) CONCRETE WALL
- EXISTING WALLS TO REMAIN
- EXISTING WALLS TO BE REMOVED
- EXISTING CONCRETE WALLS TO BE REMOVED

4' 2' 0' 4' 8'

NORTH

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
2/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

ENLARGED DEMO STAGE C PLAN

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

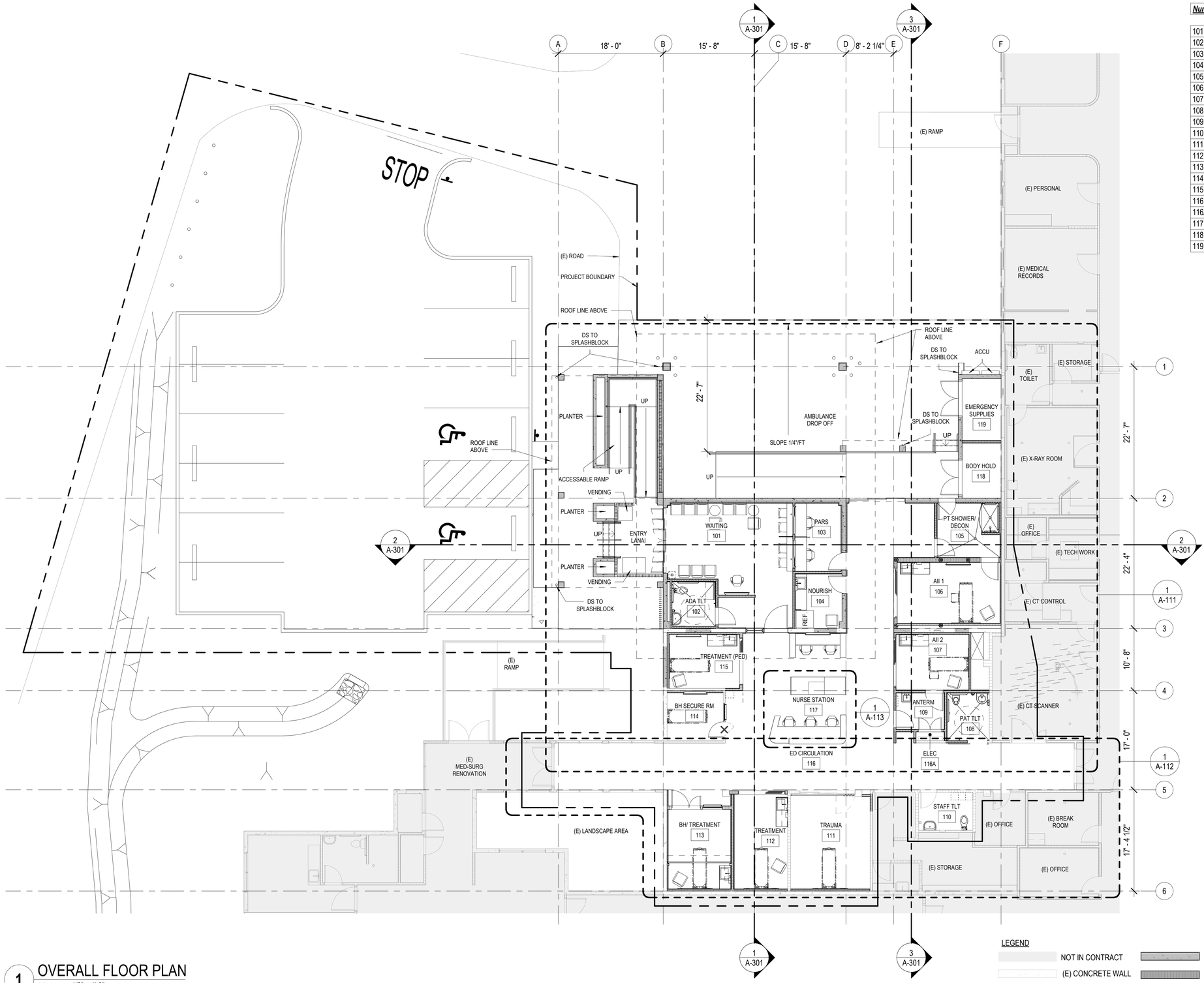
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PROJECT NO.	DRAWING NO.
225057-01	AD-106

SHEET ISSUE DATE: 2/27/26

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

Number	Name	Area
101	WAITING	382 SF
102	ADA TLT	57 SF
103	PARS	91 SF
104	NOURISH	75 SF
105	PT SHOWER/ DECON	98 SF
106	All 1	183 SF
107	All 2	119 SF
108	PAT TLT	59 SF
109	ANTERM	51 SF
110	STAFF TLT	60 SF
111	TRAUMA	222 SF
112	TREATMENT	149 SF
113	BH/ TREATMENT	99 SF
114	BH SECURE RM	79 SF
115	TREATMENT (PED)	111 SF
116	ED CIRCULATION	1175 SF
116A	ELEC	7 SF
117	NURSE STATION	194 SF
118	BODY HOLD	63 SF
119	EMERGENCY SUPPLIES	71 SF

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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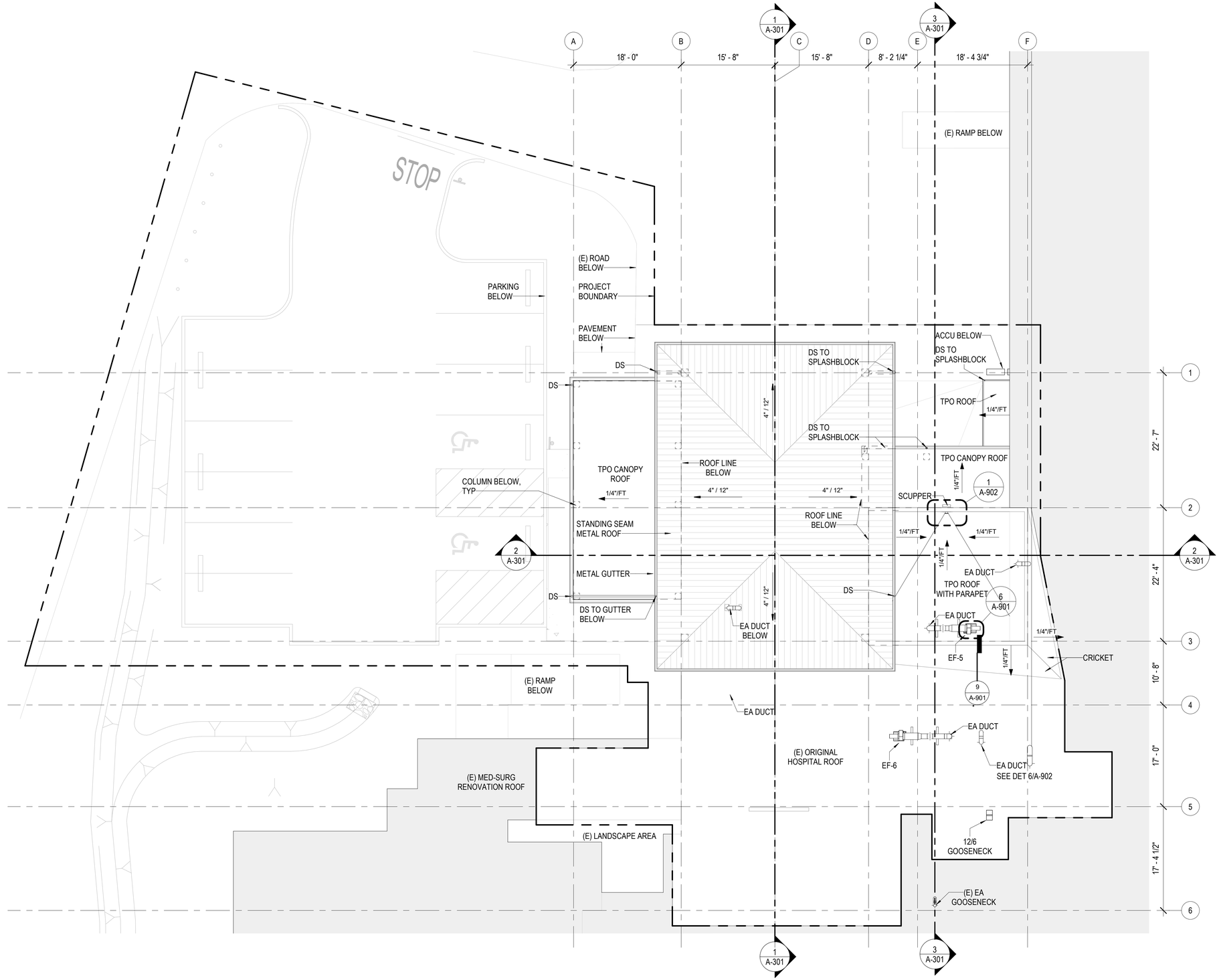
DRAWING TITLE
OVERALL FLOOR PLAN

SCALE: As indicated

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PROJECT NO.	DRAWING NO.
225057-01	A-101
SHEET ISSUE DATE:	
2/27/26	

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1 OVERALL ROOF PLAN

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

G70

111 S. KING STREET, SUITE 170
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REVISIONS

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PROJECT TITLE

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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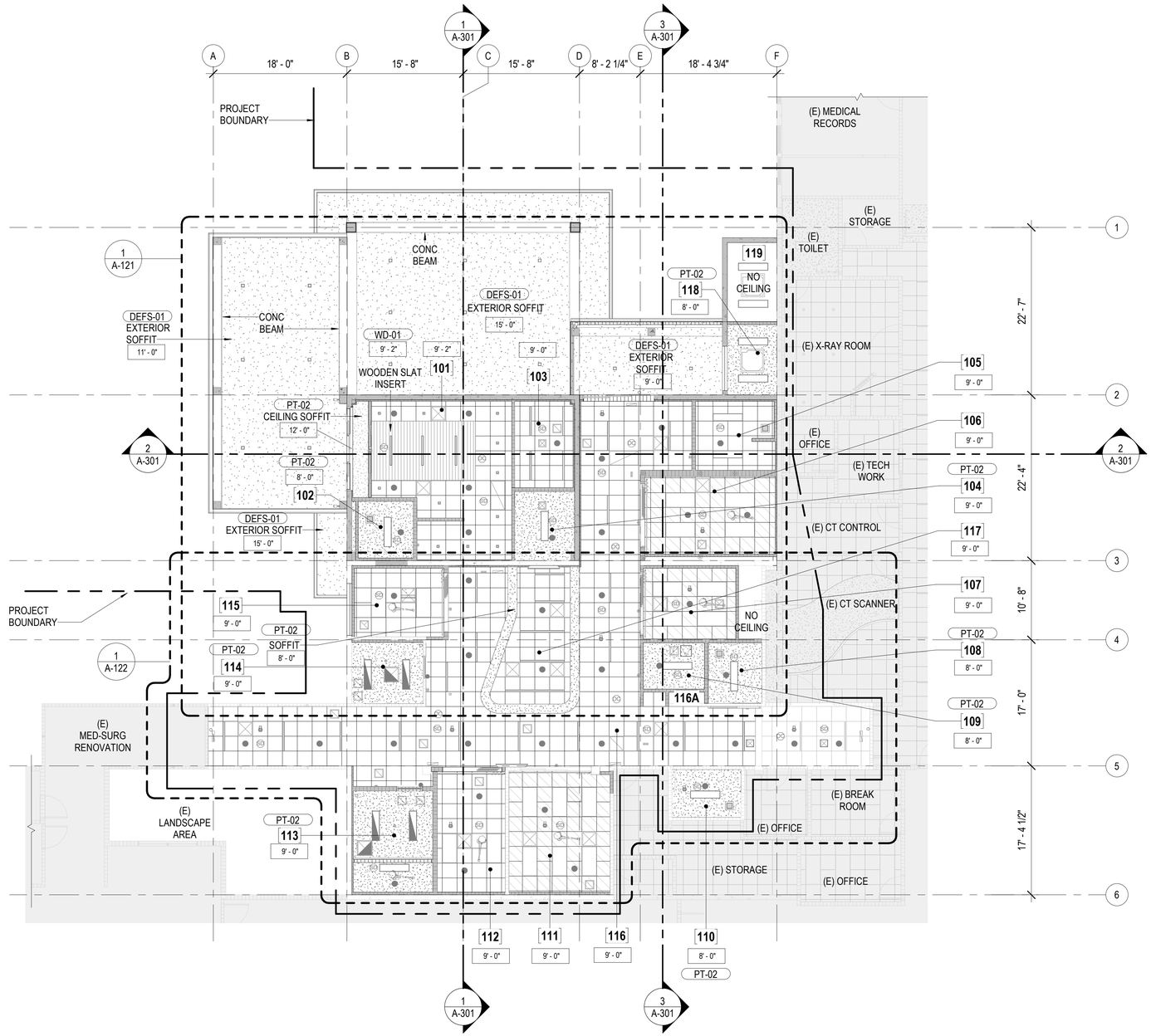
DRAWING TITLE
OVERALL ROOF PLAN

SCALE: As indicated

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PROJECT NO.	DRAWING NO.
225057-01	A-102
SHEET ISSUE DATE: 2/27/26	

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Number	Name	Area
101	WAITING	382 SF
102	ADA TLT	57 SF
103	PARS	91 SF
104	NOURISH	75 SF
105	PT SHOWER/ DECON	98 SF
106	AII 1	183 SF
107	AII 2	119 SF
108	PAT TLT	59 SF
109	ANTERM	51 SF
110	STAFF TLT	60 SF
111	TRAUMA	222 SF
112	TREATMENT	149 SF
113	BH/ TREATMENT	99 SF
114	BH SECURE RM	79 SF
115	TREATMENT (PED)	111 SF
116	ED CIRCULATION	1175 SF
116A	ELEC	7 SF
117	NURSE STATION	194 SF
118	BODY HOLD	63 SF
119	EMERGENCY SUPPLIES	71 SF

LEGEND

- ACT-1 24" x 24" SUSPENDED ACOUSTICAL TILES
- ACT-2 24" x 24" SUSPENDED ACOUSTICAL TILES, SCRUBBABLE, GASKETED
- PTD GYP BD 1 LAYER
- EXTERIOR SOFFIT
- WOOD SLAT CEILING
- RECESSED DOWNLIGHT
- SURFACE LIGHTING
- 3"x4' LINEAR BOX
- LED STRIP LIGHTS
- 2x4 SURFACE LIGHTING
- SUPPLY
- RETURN
- EXHAUST
- BATHROOM EXHAUST FAN
- 4-WAY VRF CASSETTE
- EXAM LIGHT
- EXIT LIGHT
- ZONE LIGHT
- DOME LIGHT
- BULLET CAMERA (OFOI)
- 360 CAMERA (OFOI)
- SPRINKLERS
- SMOKE DETECTORS
- OCCUPANCY SENSORS
- FIRE ALARM
- CURTAIN & ROD
- LIGATURE RESISTANT

4' 2' 0' 4' 8'

NORTH

1 OVERALL RCP

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

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
2/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

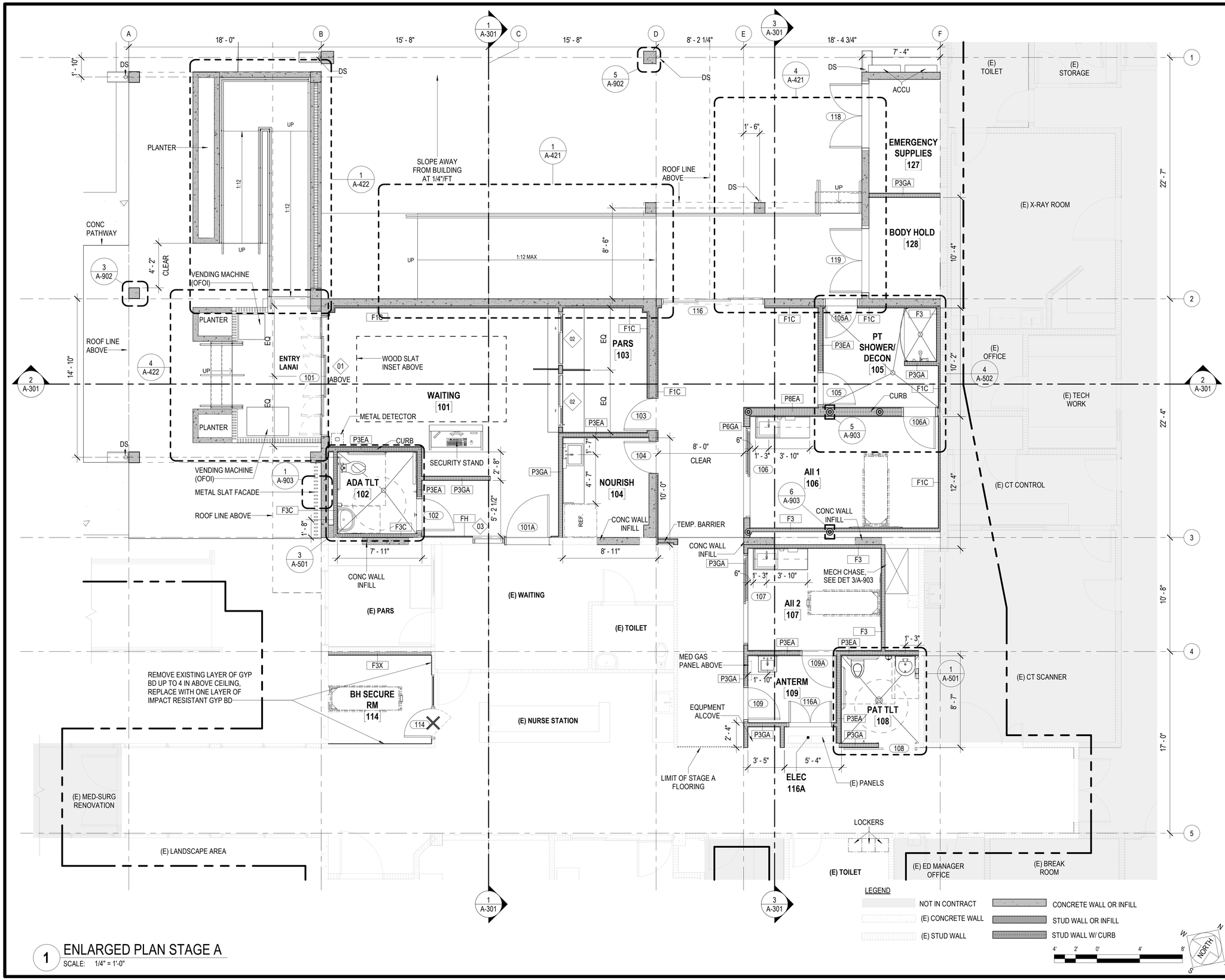
DRAWING TITLE
OVERALL RCP

SCALE: As indicated

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PROJECT NO.	DRAWING NO.
225057-01	A-103
SHEET ISSUE DATE: 2/27/26	

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1 ENLARGED PLAN STAGE A

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

G70

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REVISIONS

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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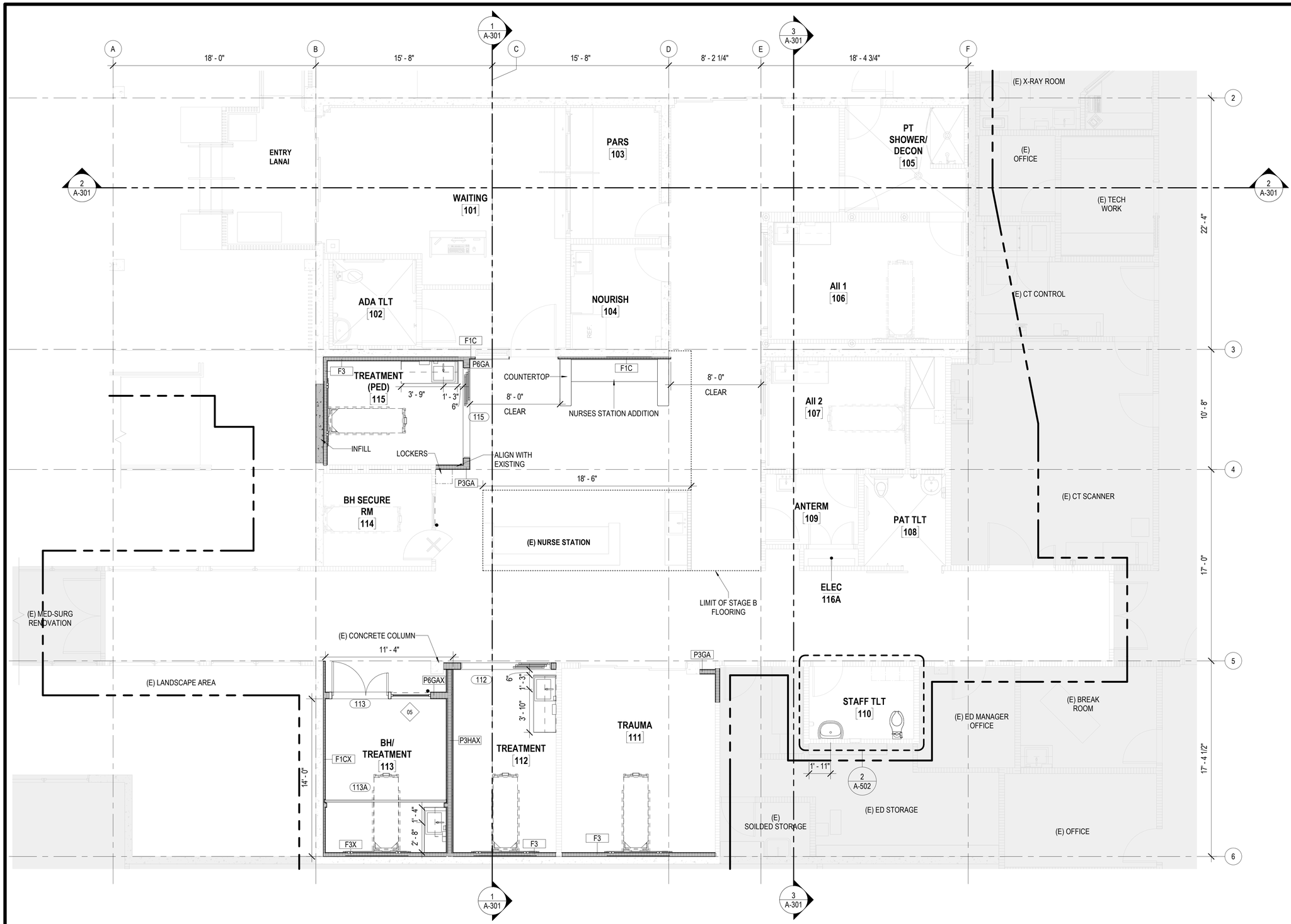
DRAWING TITLE
ENLARGED PLAN STAGE A

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

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	A-111
SHEET ISSUE DATE:	
2/27/26	

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

LEGEND

- NOT IN CONTRACT
- (E) CONCRETE WALL
- (E) STUD WALL
- CONCRETE WALL OR INFILL
- STUD WALL OR INFILL
- STUD WALL W/ CURB

4' 2' 0' 4' 8'

NORTH

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

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TMK#: 4-6-014:113

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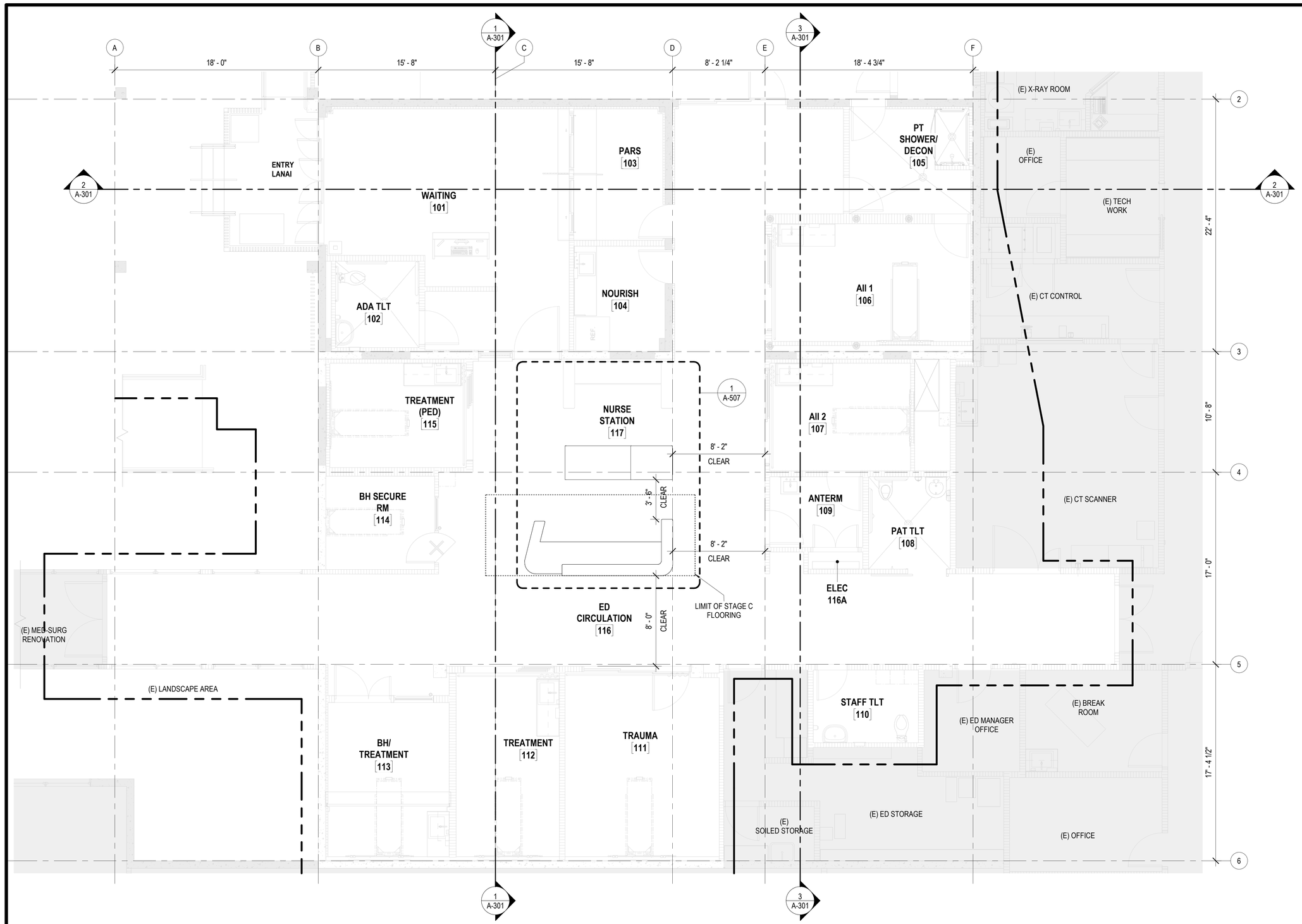
DRAWING TITLE
ENLARGED PLAN STAGE B

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

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	A-112
SHEET ISSUE DATE: 2/27/26	

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1 ENLARGED PLAN STAGE C

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

LEGEND

- NOT IN CONTRACT
- (E) CONCRETE WALL
- (E) STUD WALL
- CONCRETE WALL OR INFILL
- STUD WALL OR INFILL
- STUD WALL W/ CURB

4' 2' 0' 4' 8'

NORTH

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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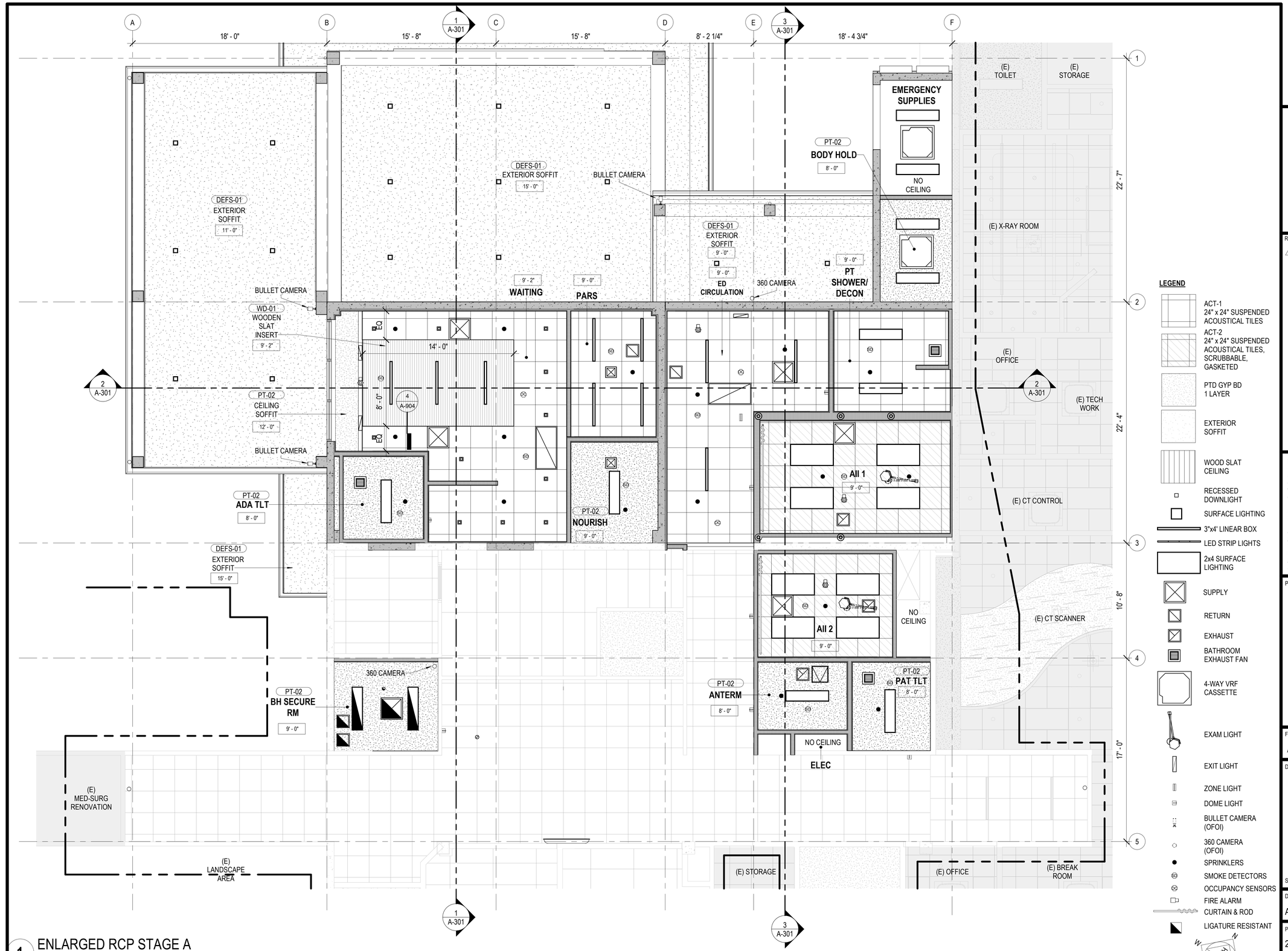
DRAWING TITLE
ENLARGED PLAN STAGE C

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

DRAWN BY:	CHECKED BY:
Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-113
SHEET ISSUE DATE:	
2/27/26	

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1 ENLARGED RCP STAGE A
SCALE: 1/4" = 1'-0"

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111 S. KING STREET, SUITE 170
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808.523.5866
WWW.G70.DESIGN

REVISIONS

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
ENLARGED RCP STAGE A

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

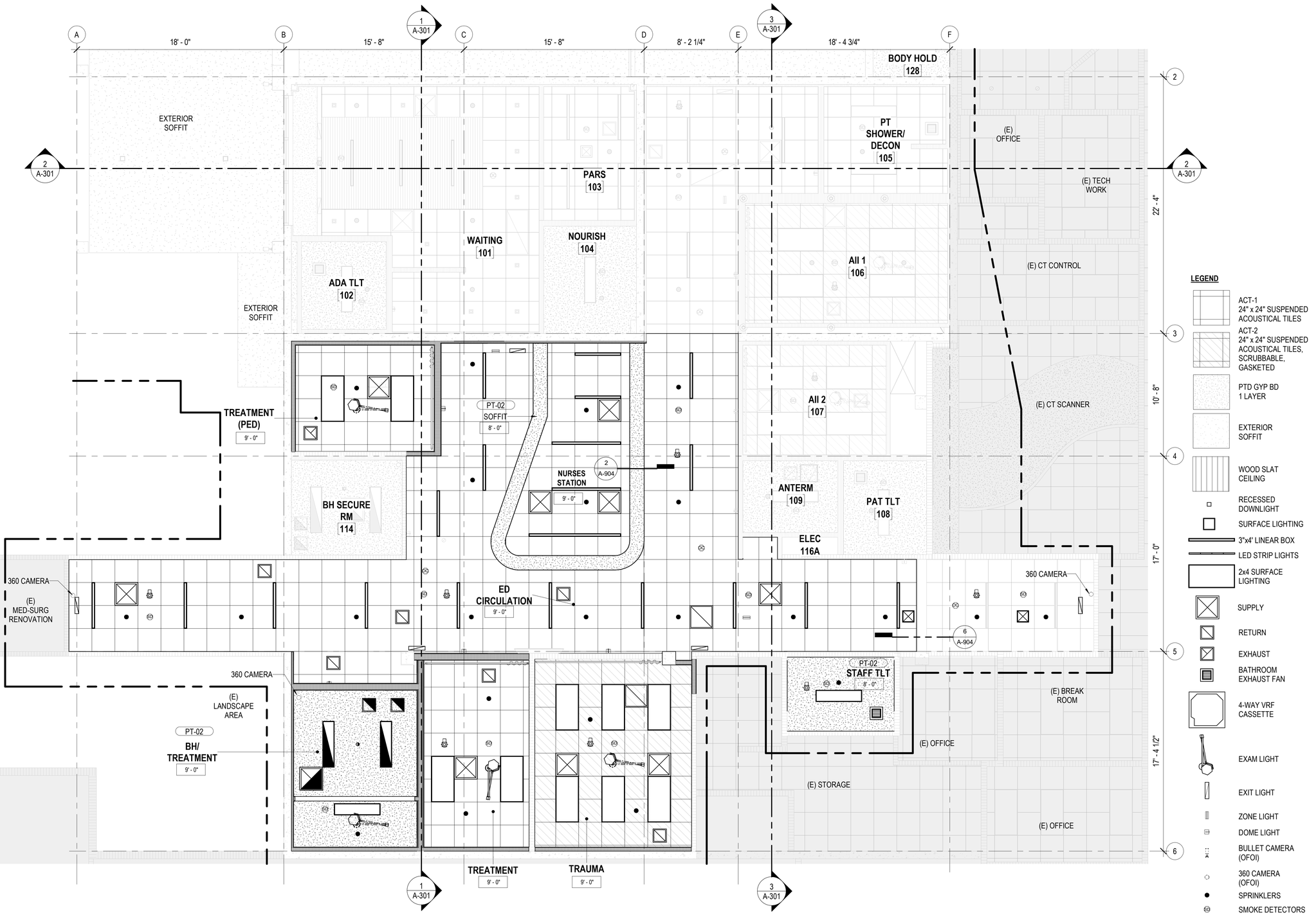
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Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-121

SHEET ISSUE DATE: 2/27/26

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1 ENLARGED RCP STAGE B

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

LEGEND

- ACT-1 24" x 24" SUSPENDED ACOUSTICAL TILES
- ACT-2 24" x 24" SUSPENDED ACOUSTICAL TILES, SCRUBBABLE, GASKETED
- PTD GYP BD 1 LAYER
- EXTERIOR SOFFIT
- WOOD SLAT CEILING
- RECESSED DOWNLIGHT
- SURFACE LIGHTING
- 3"x4' LINEAR BOX
- LED STRIP LIGHTS
- 2x4 SURFACE LIGHTING
- SUPPLY
- RETURN
- EXHAUST
- BATHROOM EXHAUST FAN
- 4-WAY VRF CASSETTE
- EXAM LIGHT
- EXIT LIGHT
- ZONE LIGHT
- DOME LIGHT
- BULLET CAMERA (OFOI)
- 360 CAMERA (OFOI)
- SPRINKLERS
- SMOKE DETECTORS
- OCCUPANCY SENSORS
- FIRE ALARM
- CURTAIN & ROD
- LIGATURE RESISTANT

4' 2' 0' 4' 8'

NORTH

G70
111 S. KING STREET, SUITE 170
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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
ENLARGED RCP STAGE B

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

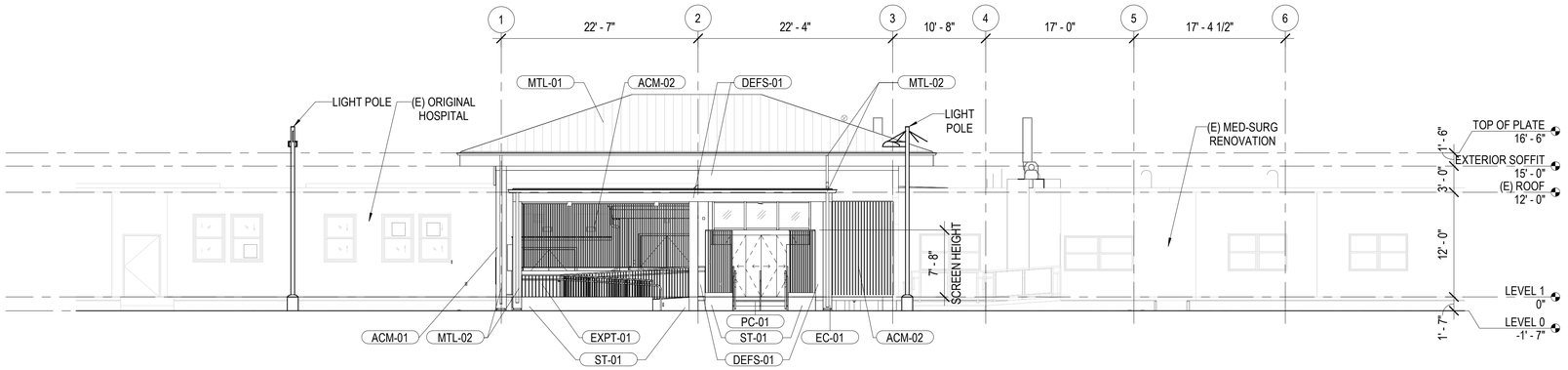
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Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-122

SHEET ISSUE DATE: 2/27/26

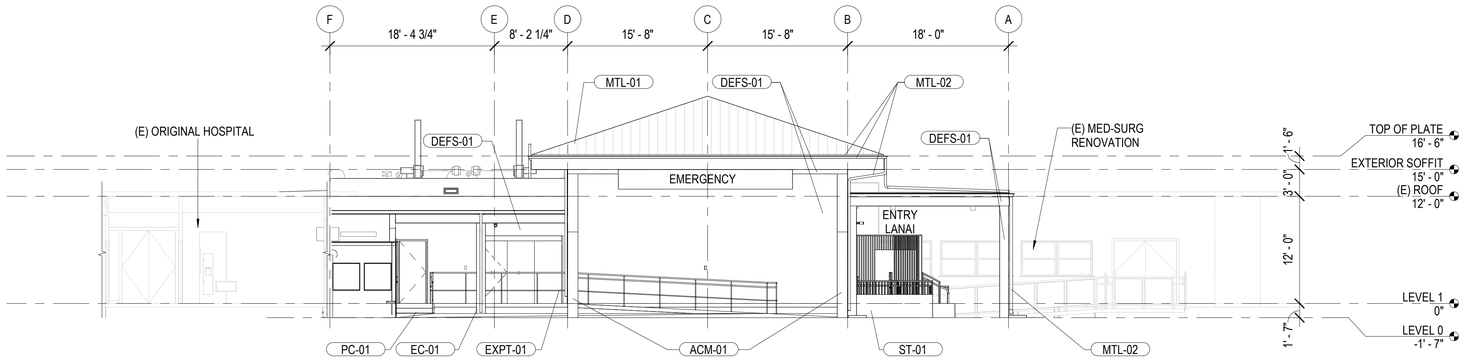
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3/9/2026 4:10:13 PM



1 EAST ELEVATION (PUBLIC ENTRY)

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



2 SOUTH ELEVATION (AMBULANCE ENTRY)

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

EXTERIOR MATERIAL FINISH SCHEDULE

MARK	MATERIAL DESCRIPTION	MANUFACTURER	MATERIAL NAME	MATERIAL SIZE	MATERIAL FINISH	NO/COLOR	LOCATION USED/REMARKS
ACM-01	EXTERIOR METAL PANEL	AL13	AL13 PANEL SYSTEM	-	M1	EFFECTS CHERRY	AMBULANCE DROP OFF COLUMNS
ACM-02	EXTERIOR ALUMINUM SLATS	AL13	AL13 BATTEN SYSTEM	TBD	-	EFFECTS CHERRY	MAIN ENTRY SCREEN
DEFS-01	EXTERIOR FINISH SYSTEMS	STO CORPORATIONS	CLASSIC COLOR COLLECTION	-	SEMI-GLOSS	MATCH EXISTING	WALL BODY, EXTERIOR SOFFIT
EC-01	ELASTOMERIC COATING	STO CORPORATIONS	CLASSIC COLOR COLLECTION	-	SEE SPEC	MATCH DEFS-01	WALL BASE THROUGHOUT
EXPT-01	EXTERIOR PAINT	SHERWIN WILLIAMS	--	--	SEMI-GLOSS	QUIVER TAN #6151	GUARDRAILS, HANDRAILS
MTL-01	STANDING SEAM METAL ROOF	PAC-CLAD PETERSEN	SNAP-CLAD PANEL	24" W PANEL	SEE SPEC	SLATE GRAY 614374	ROOF
MTL-02	EXTERIOR METAL PANEL	PAC-CLAD	-	SEE SPEC	SEE SPEC	CUSTOM MATCH, SHERWIN-WILLIAMS QUIVER TAN 6151	DOWNSPOUT, GUTTERS, FASCIA
PC-01	PEDESTRIAN COATING	NEOGUARD	PEDAGUARD FC	-	SEE SPEC	GRAY	STAIRS AND RAMP
ST-01	STONE CLADDING	BIG ROCK HAWAII	MOSS ROCK VENEER	-	STAINED	-	PLANTER WALLS

8' 4' 0' 8' 16'

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS

2/27/2026

This work was prepared by me or under my supervision and construction of this project will be under my observation

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

EXTERIOR ELEVATIONS

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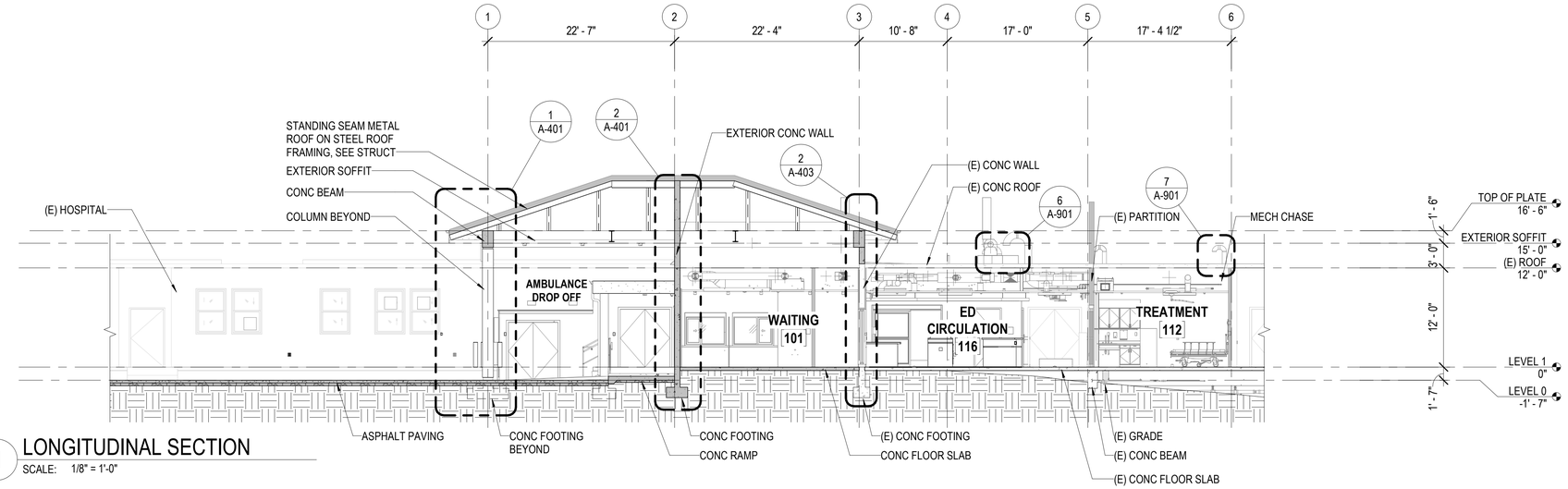
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Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-201

SHEET ISSUE DATE: 2/27/26

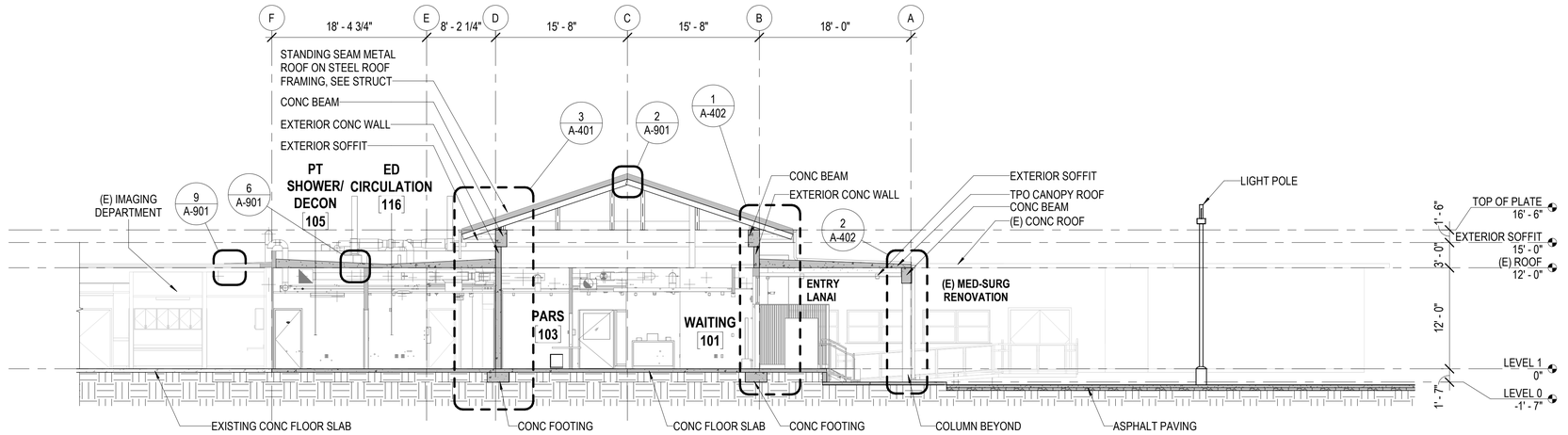
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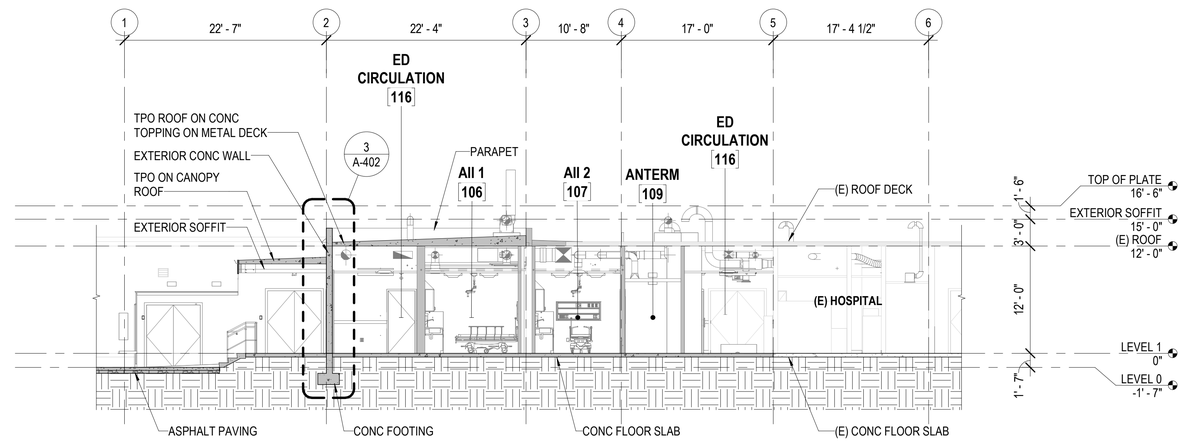
1 LONGITUDINAL SECTION

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



2 CROSS SECTION

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



3 CROSS SECTION AT PARAPET

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

8' 4' 0' 8' 16'

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

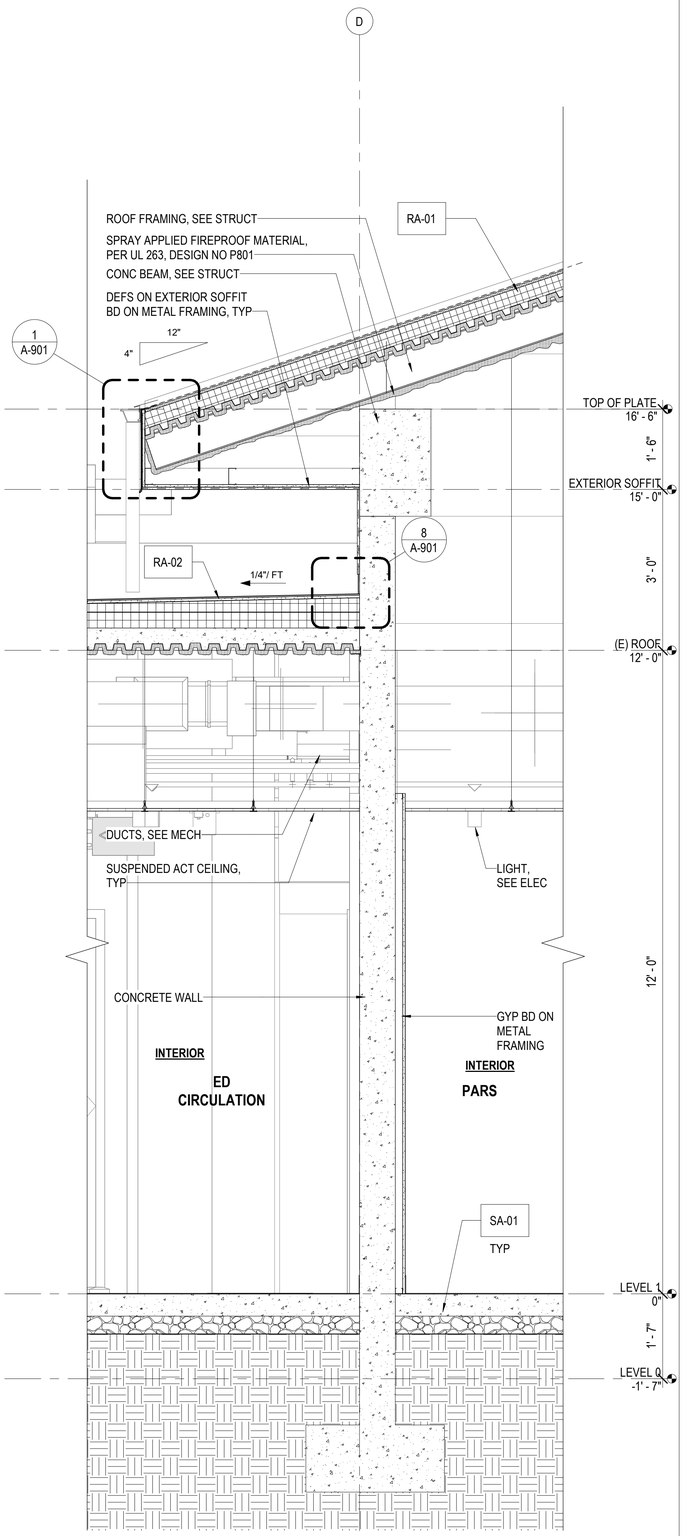
DRAWING TITLE
BUILDING SECTIONS

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

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-301
SHEET ISSUE DATE: 2/27/26	

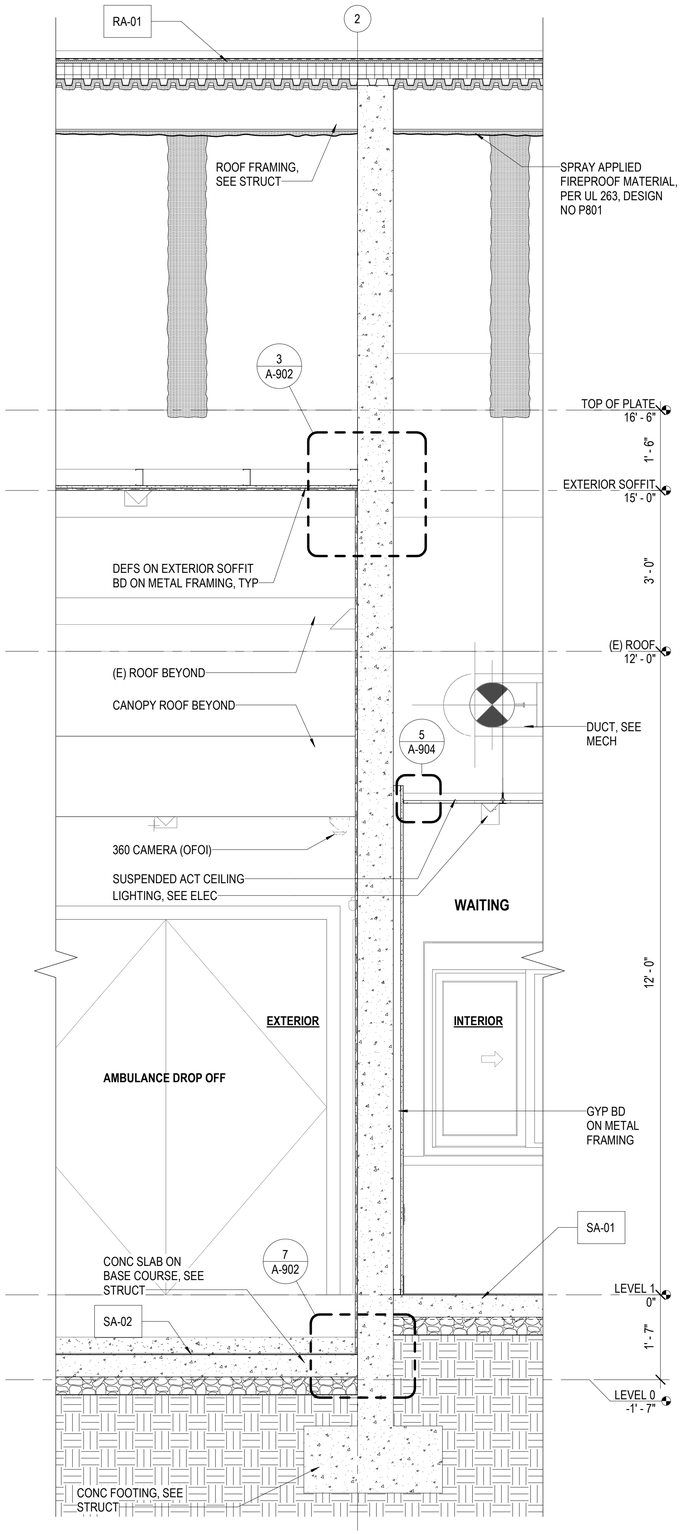
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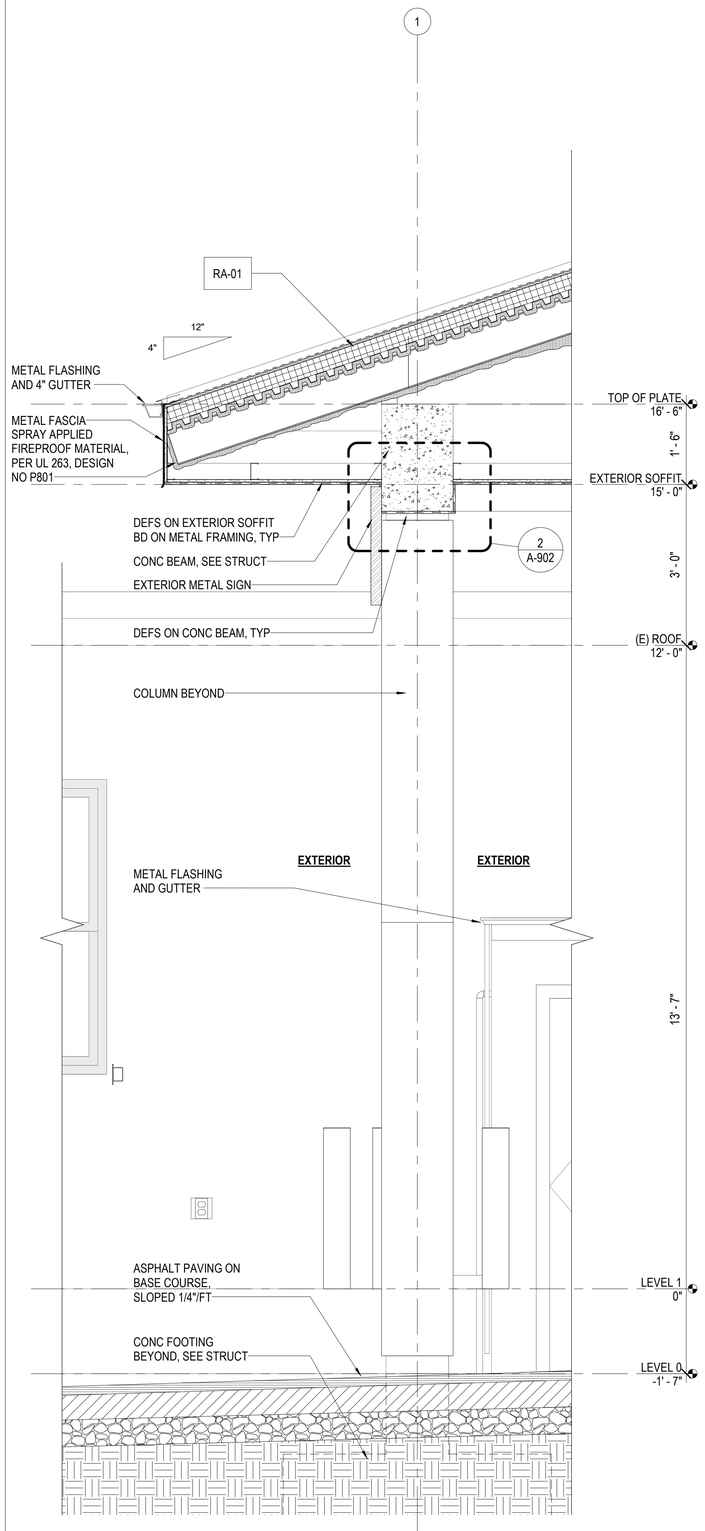
3 AT PITCH/ PARAPET

SCALE: 3/4" = 1'-0"



2 AT EXTERIOR WALL

SCALE: 3/4" = 1'-0"



1 AT PITCHED ROOF EAVE

SCALE: 3/4" = 1'-0"

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111 S. KING STREET, SUITE 170
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TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

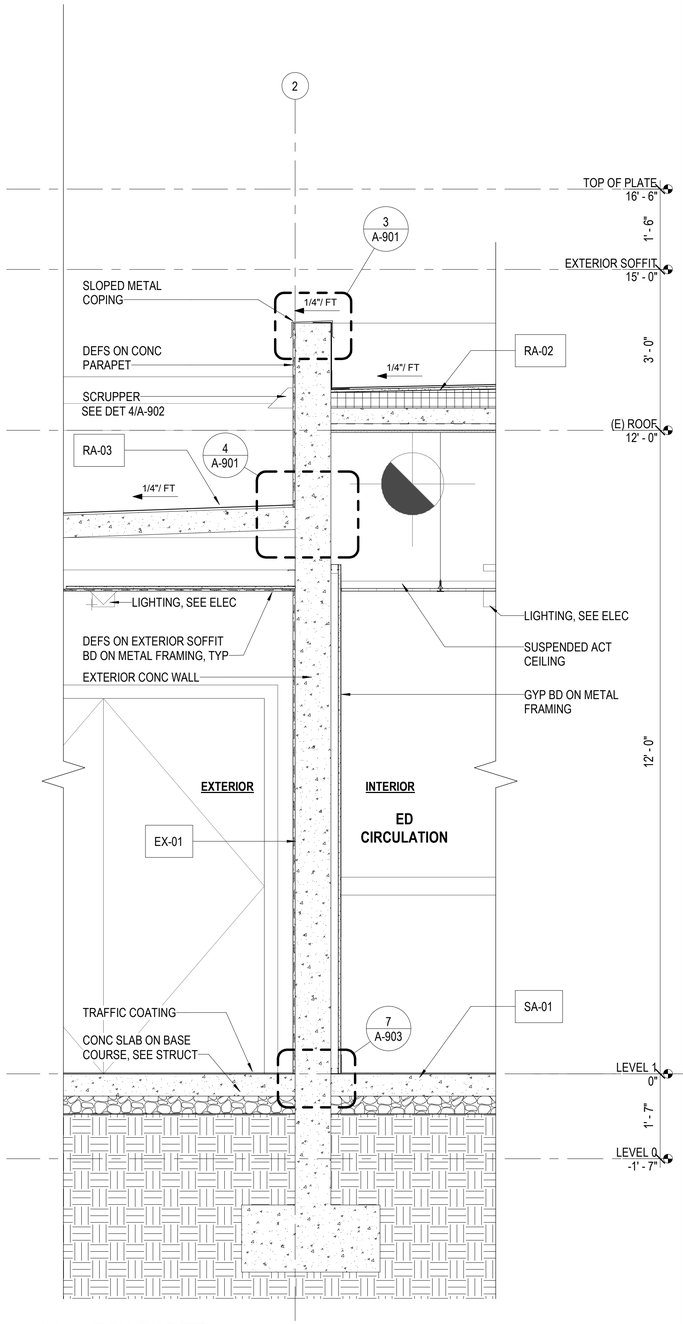
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WALL SECTIONS

SCALE: 3/4" = 1'-0"

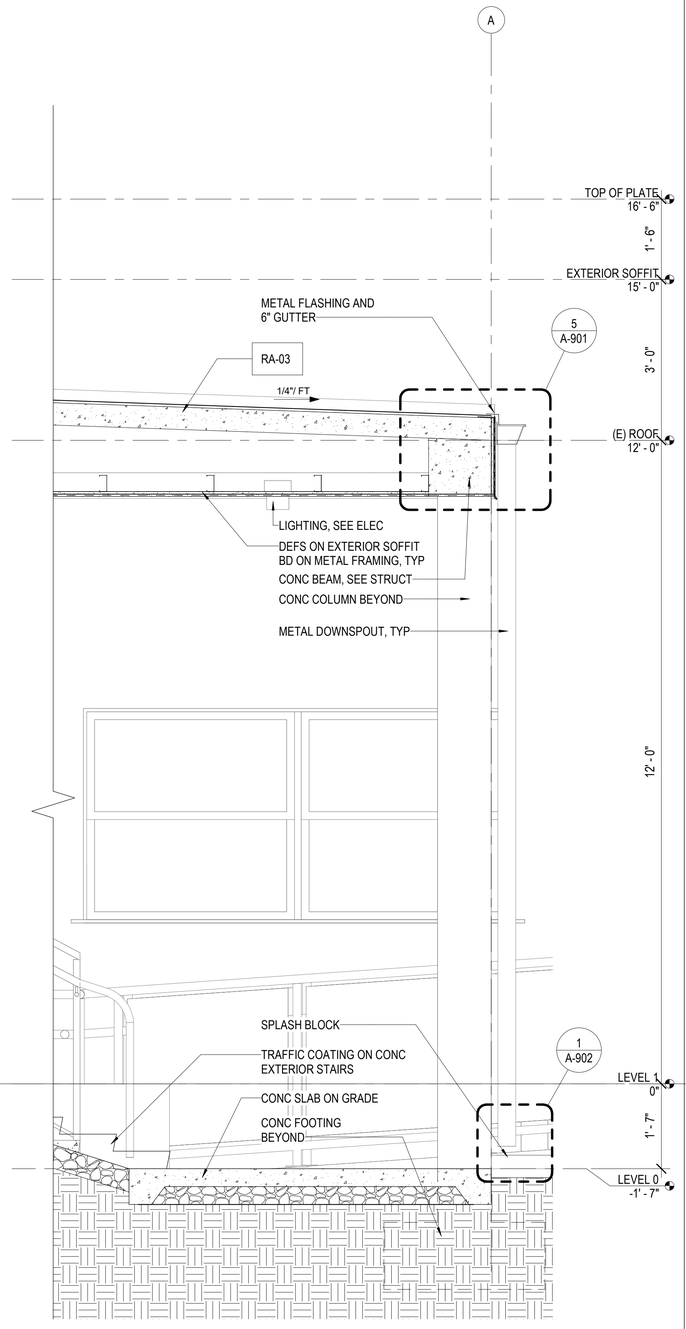
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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-401
SHEET ISSUE DATE: 2/27/26	

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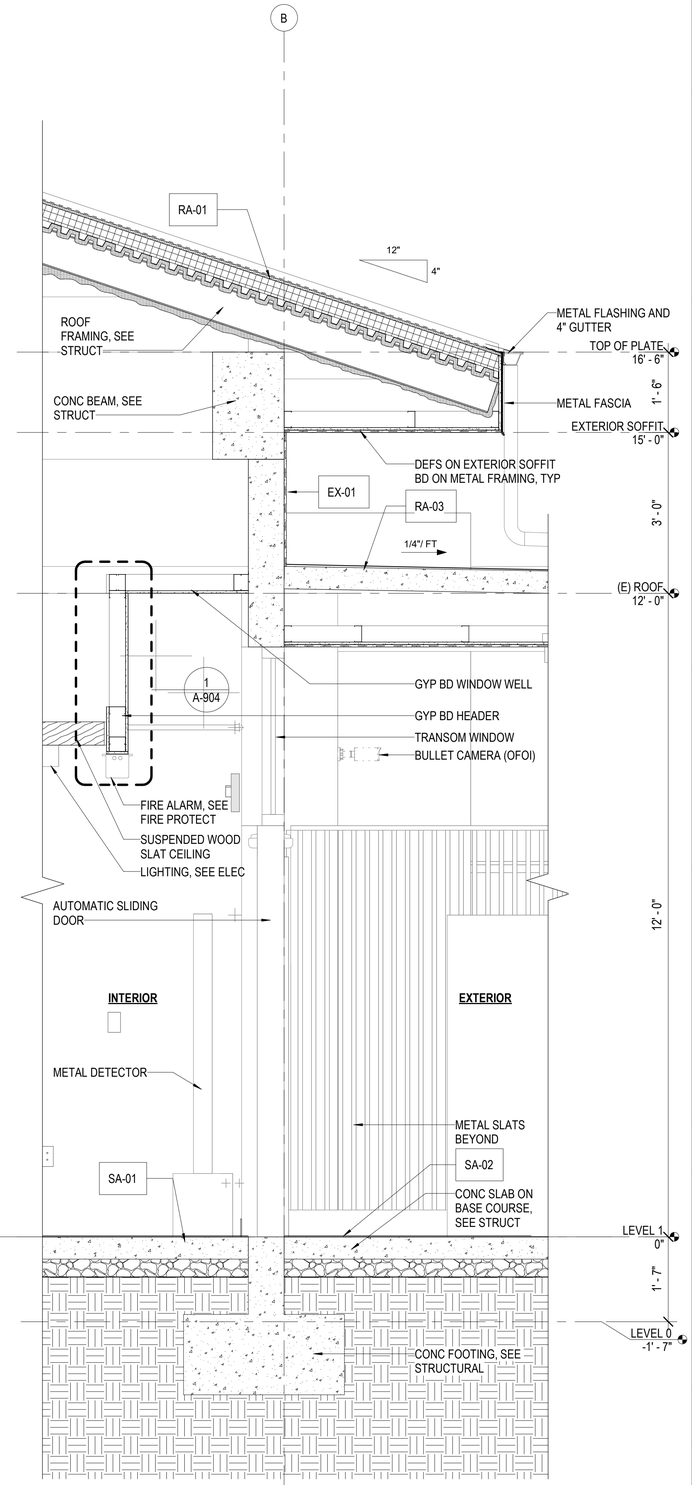
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3 AT PARAPET
SCALE: 3/4" = 1'-0"



2 AT CANOPY ROOF
SCALE: 3/4" = 1'-0"



1 AT MAIN ENTRY
SCALE: 3/4" = 1'-0"

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111 S. KING STREET, SUITE 170
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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

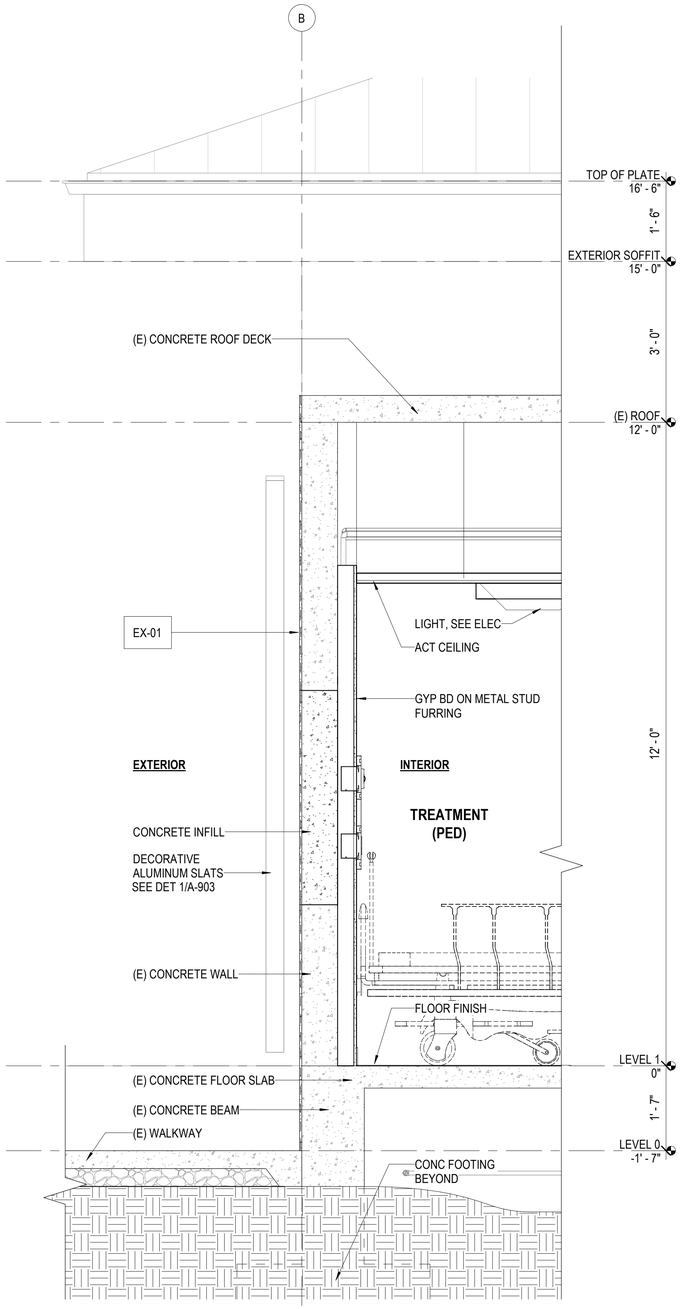
DRAWING TITLE
WALL SECTIONS

SCALE: 3/4" = 1'-0"

DRAWN BY:	CHECKED BY:
Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-402
SHEET ISSUE DATE:	
2/27/26	

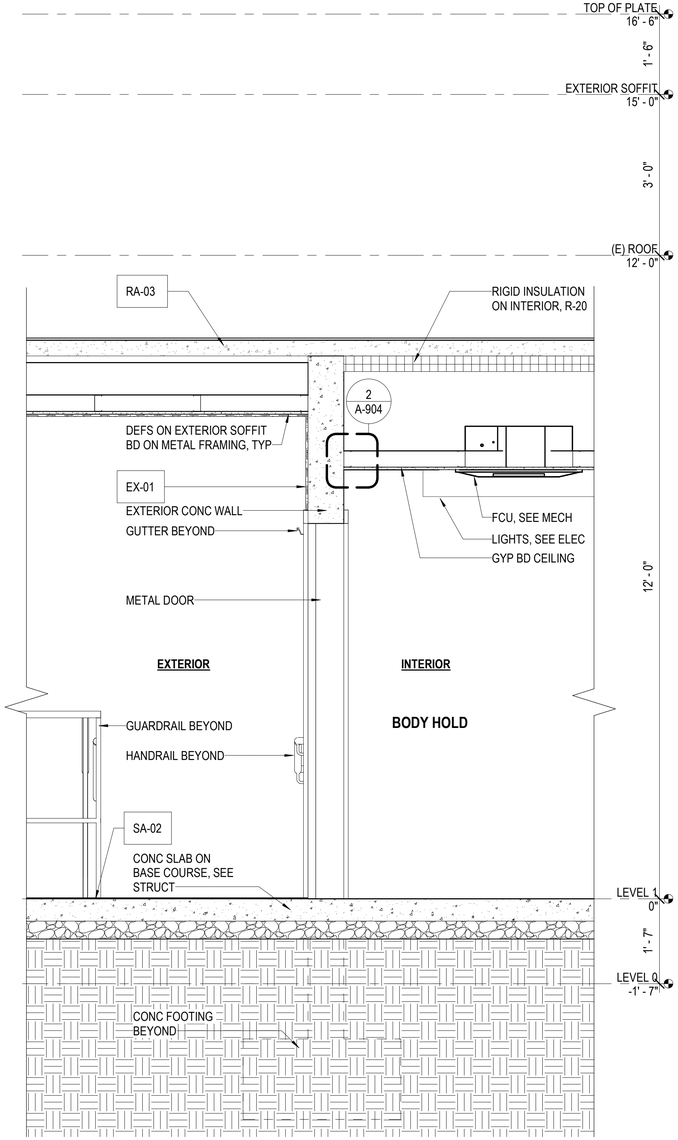
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3/9/2026 4:10:28 PM



2 AT EXTERIOR SOUTHWEST WALL

SCALE: 3/4" = 1'-0"



1 AT EXTERIOR NORTHEAST WALL

SCALE: 3/4" = 1'-0"

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

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CONSTRUCTION DOCUMENTS

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SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

WALL SECTIONS

SCALE: 3/4" = 1'-0"

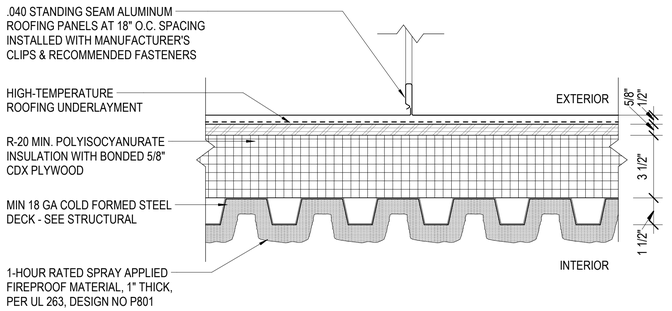
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Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-403

SHEET ISSUE DATE: 2/27/26

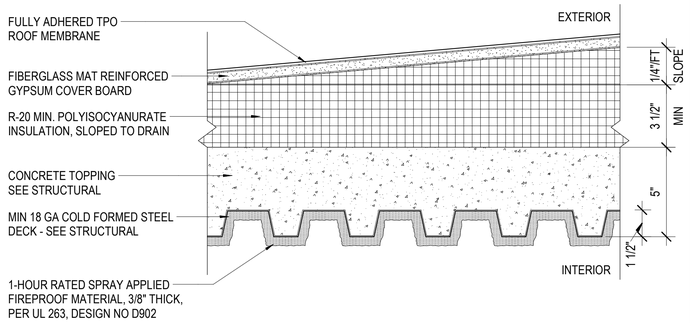
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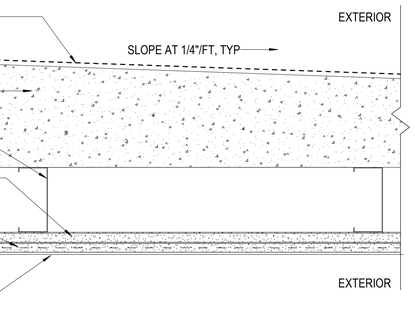
RA-01

BASIS OF DESIGN: PAC-CLAD SNAP-CLAD
SLATE GRAY FINISH
ESR-4173



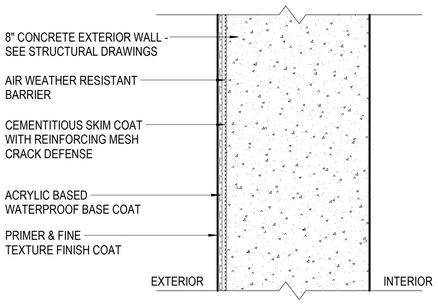
RA-02

BASIS OF DESIGN: TPO
FINISH: WHITE



RA-03

TYPICAL CANOPY ROOF

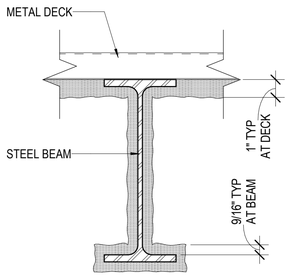


EX-01

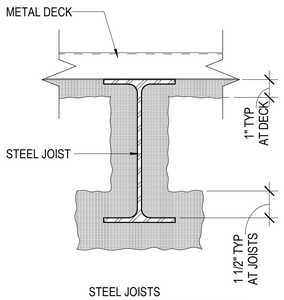
BASIS OF DESIGN: STOQUIK FINISH FOR CONCRETE
STOLIT X FINE
COLOR TBD

FIRE RATED ASSEMBLIES

AT PITCHED ROOF

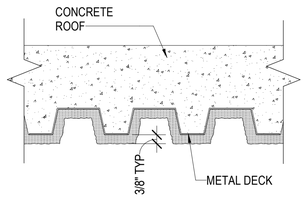


STEEL BEAM
BASIS OF DESIGN: UL 263, P801



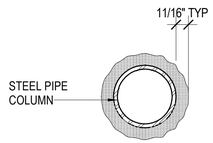
STEEL JOISTS
BASIS OF DESIGN: UL 263, P801

AT FLAT ROOF

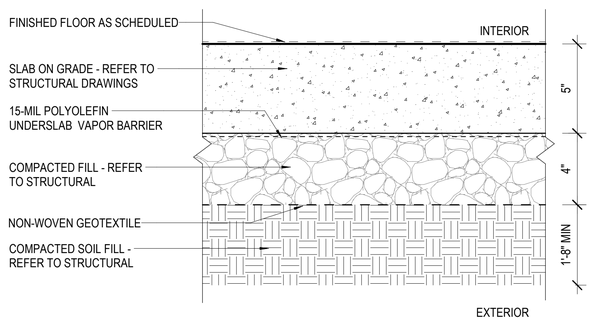


STEEL DECK WITH CONCRETE TOPPING
BASIS OF DESIGN: UL 263, P902

AT STEEL POSTS

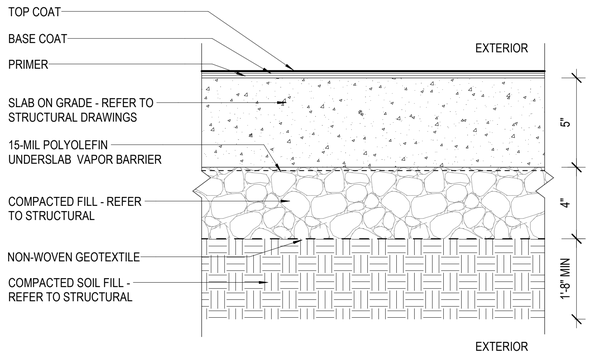


STEEL POSTS
BASIS OF DESIGN: UL 263, X790



SA-01

TYPICAL FLOOR SLAB ASSEMBLY



SA-02

TYPICAL EXTERIOR FLOOR SLAB ASSEMBLY
BASIS OF DESIGN: NEOGARD PEDAGARD FC
COLOR TBD

G70
111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

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2/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

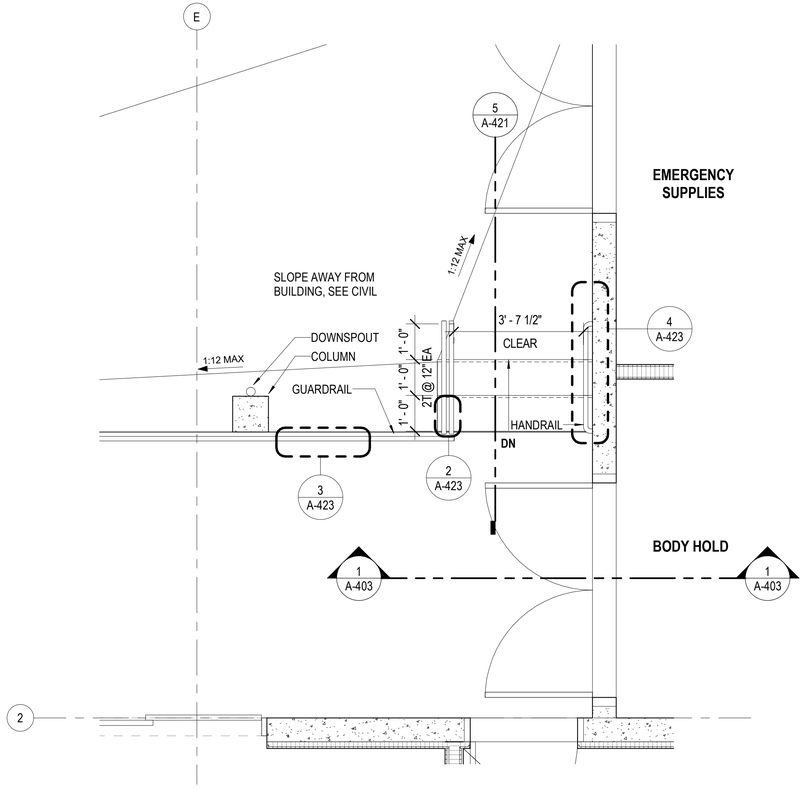
DRAWING TITLE
EXTERIOR ASSEMBLIES

SCALE: 3" = 1'-0"

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-411
SHEET ISSUE DATE: 2/27/26	

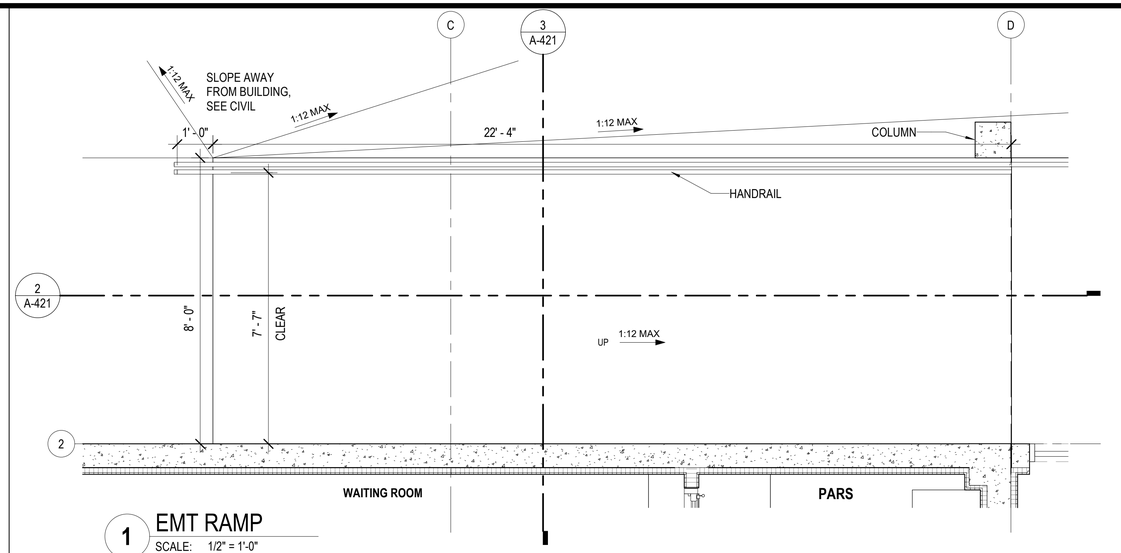
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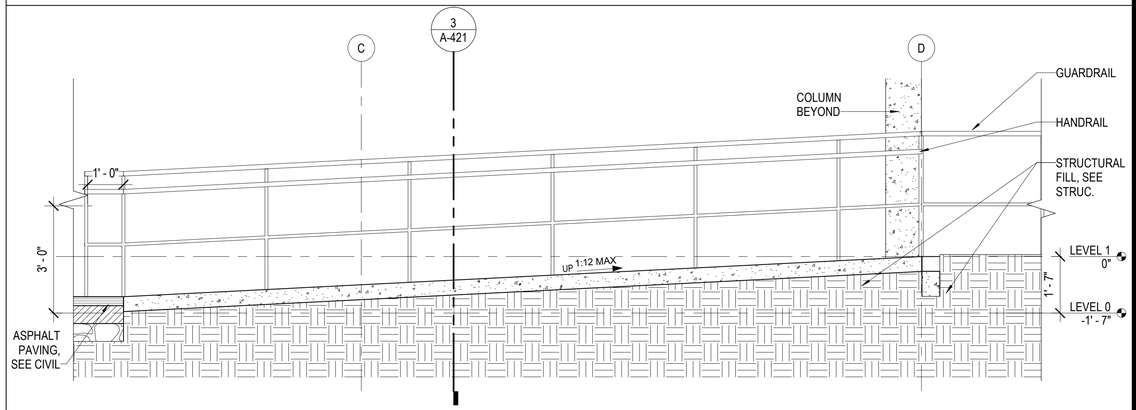
4 EMT STAIRS

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



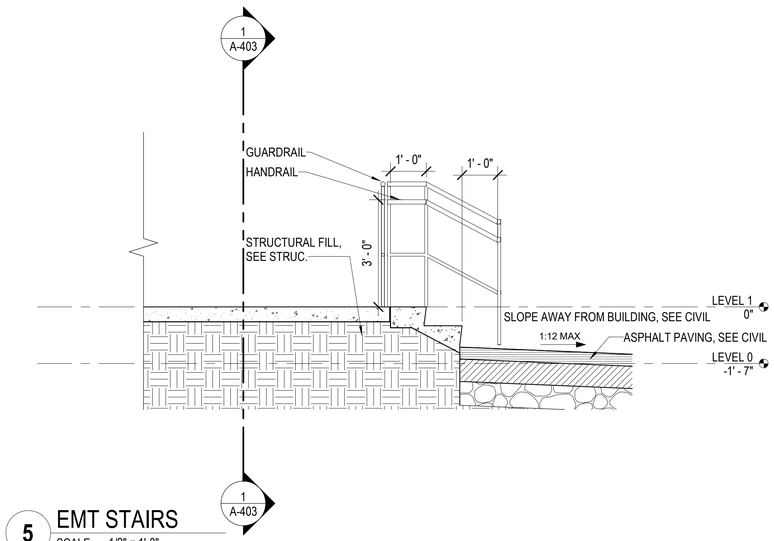
1 EMT RAMP

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



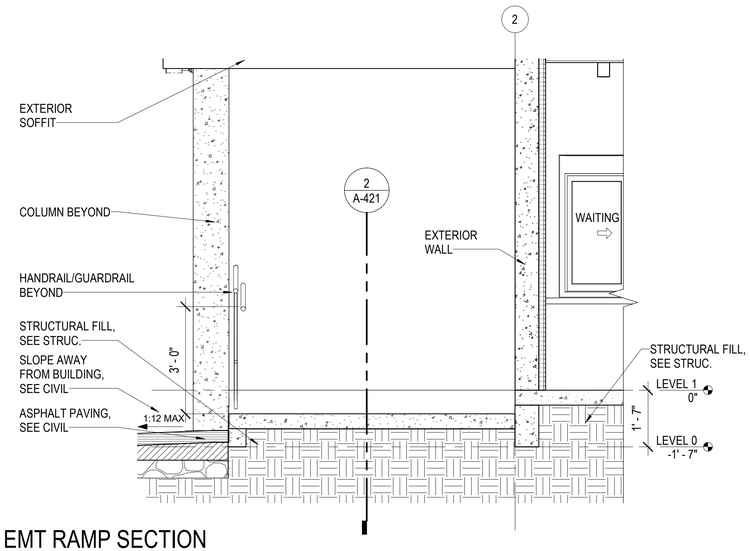
2 EMT LONGITUDINAL SECTION

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



5 EMT STAIRS

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



3 EMT RAMP SECTION

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

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
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REVISIONS

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SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

VERTICAL CIRCULATION

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

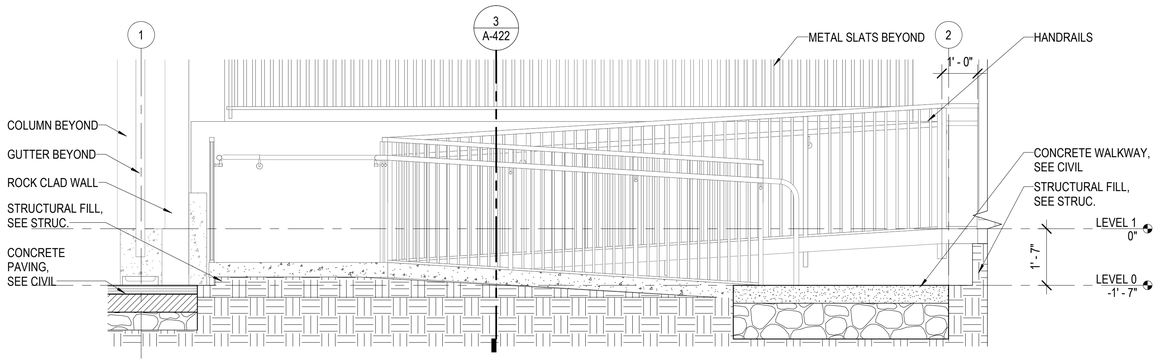
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Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-421

SHEET ISSUE DATE: 2/27/26

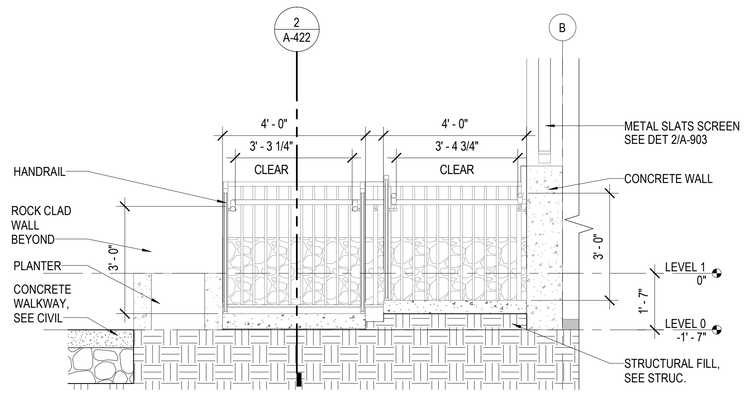
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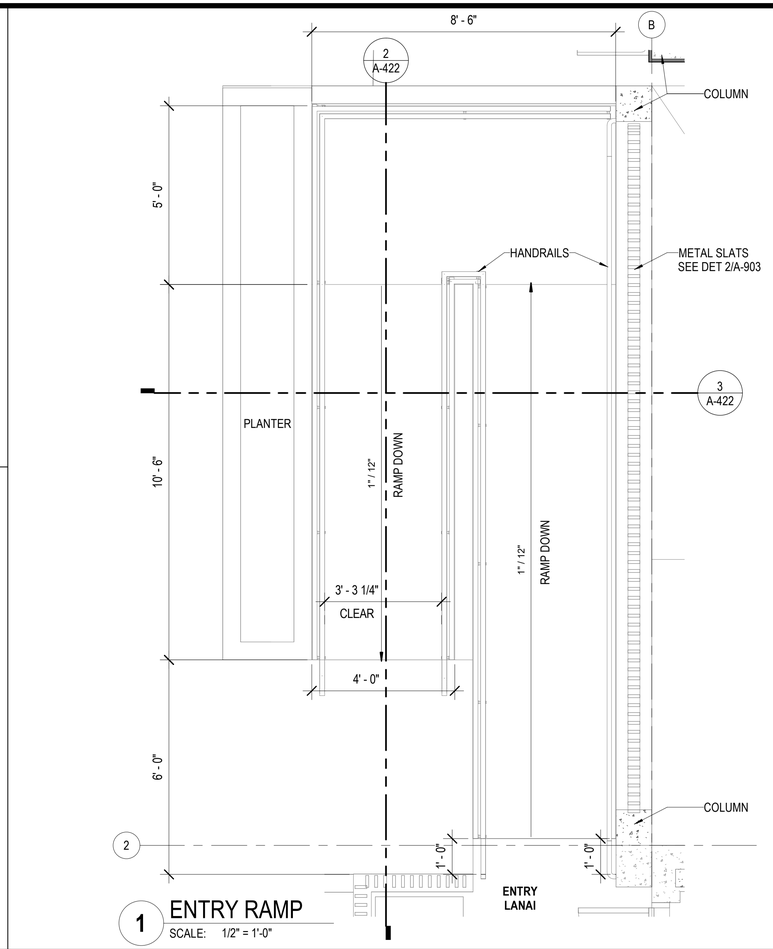
2 ENTRY RAMP LONGITUDINAL SECTION

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



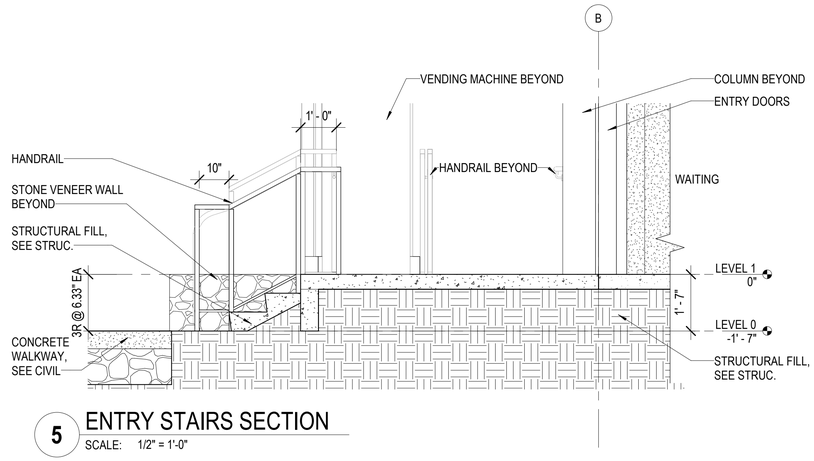
3 ENTRY RAMP SECTION

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



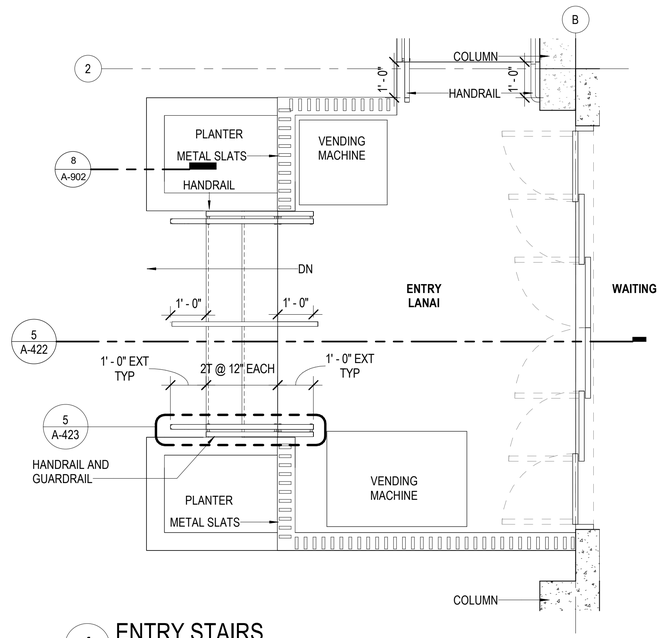
1 ENTRY RAMP

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



5 ENTRY STAIRS SECTION

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



4 ENTRY STAIRS

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

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
WWW.G70.DESIGN

REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
2/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

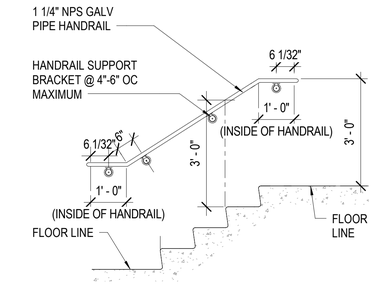
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VERTICAL CIRCULATION

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

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-422
SHEET ISSUE DATE:	
2/27/26	

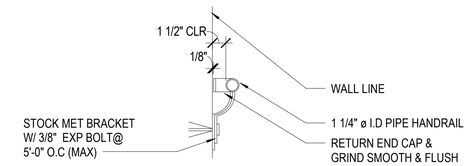
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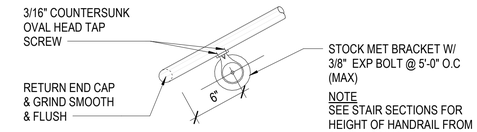


4 WALL MOUNTED STAIR HANDRAIL

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



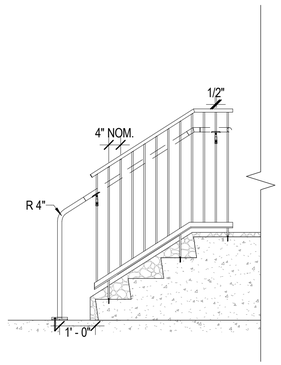
SECTION



ELEVATION

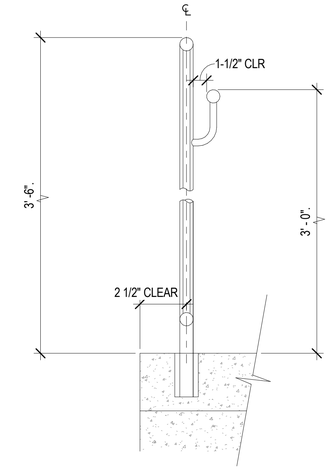
1 PIPE HANDRAIL

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



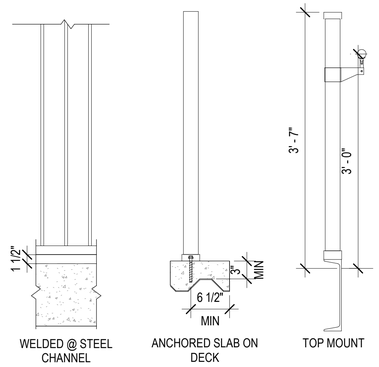
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SCALE: 1/2" = 1'-0"



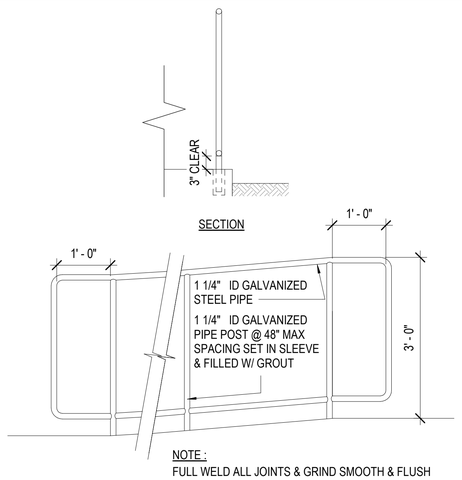
2 EMT HANDRAIL/GUARDRAIL

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



6 ENTRY HANDRAIL MOUNTS

SCALE: 1" = 1'-0"



3 EMT HANDRAIL/GUARDRAIL

SCALE: 3/4" = 1'-0"

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
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REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS

2/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

HANDRAIL AND GUARDRAIL DETAILS

SCALE: As indicated

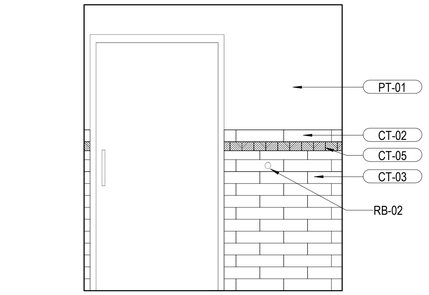
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Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-423

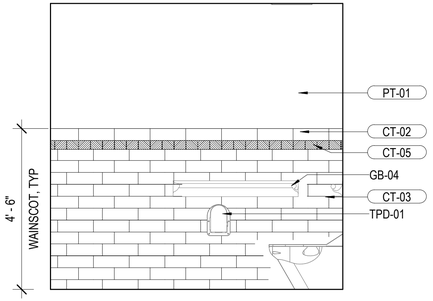
SHEET ISSUE DATE: 2/27/26

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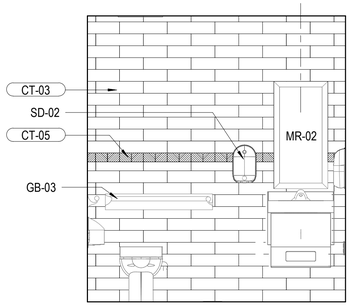
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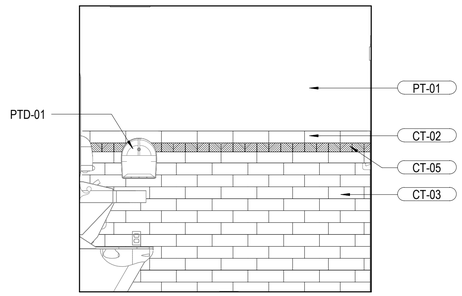
A



B

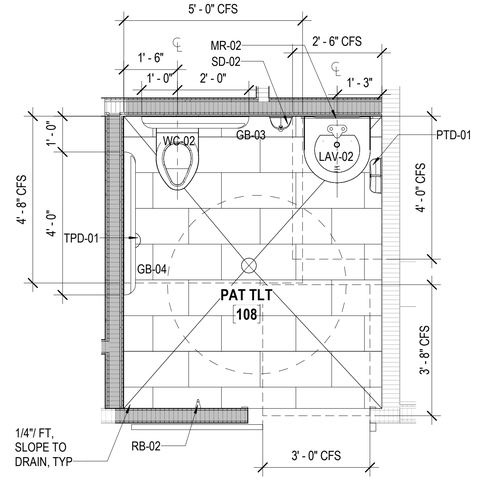


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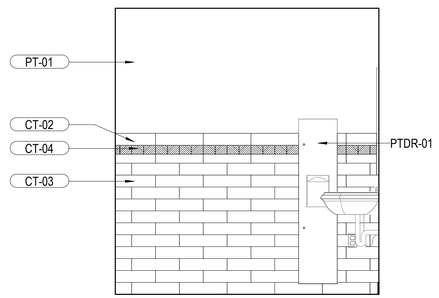


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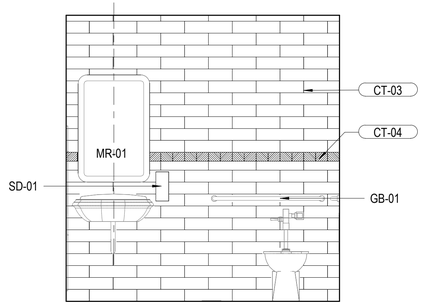
2 PAT TLT
SCALE: 1/2" = 1'-0"



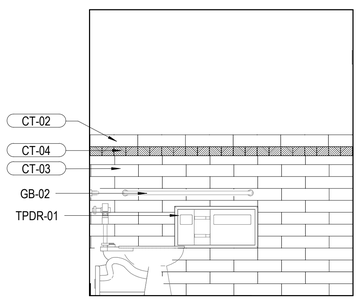
1 ENLARGED PLAN - PAT TLT
SCALE: 1/2" = 1'-0"



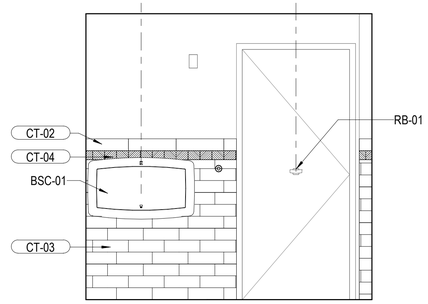
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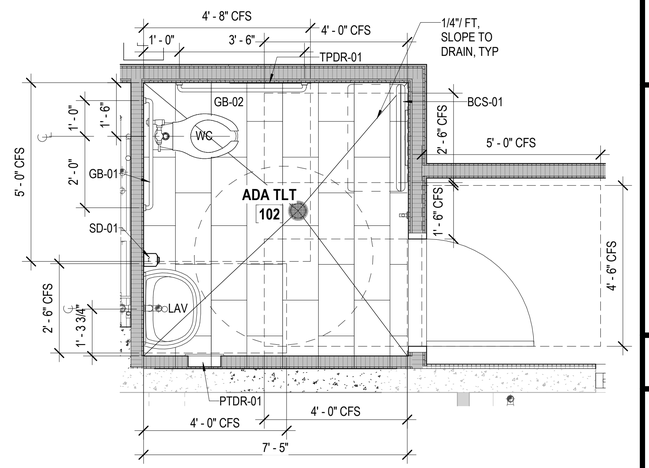


C



D

4 ADA TLT
SCALE: 1/2" = 1'-0"



3 ENLARGED PLAN - ADA TLT
SCALE: 1/2" = 1'-0"

GENERAL NOTES:
1. SEE OVERALL FLOOR PLAN ON A-101
2. SEE FINISH FLOOR PLAN ON A-141
3. SEE FINISH SCHEDULES ON A-621
4. SEE ACCESSORY MOUNTING SCHEDULE ON A-611
5. ALL DIMENSIONS ARE A.F.F.
6. SEE FF&E SCHEDULE ON A-143 FOR EQUIPMENT



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REVISIONS

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

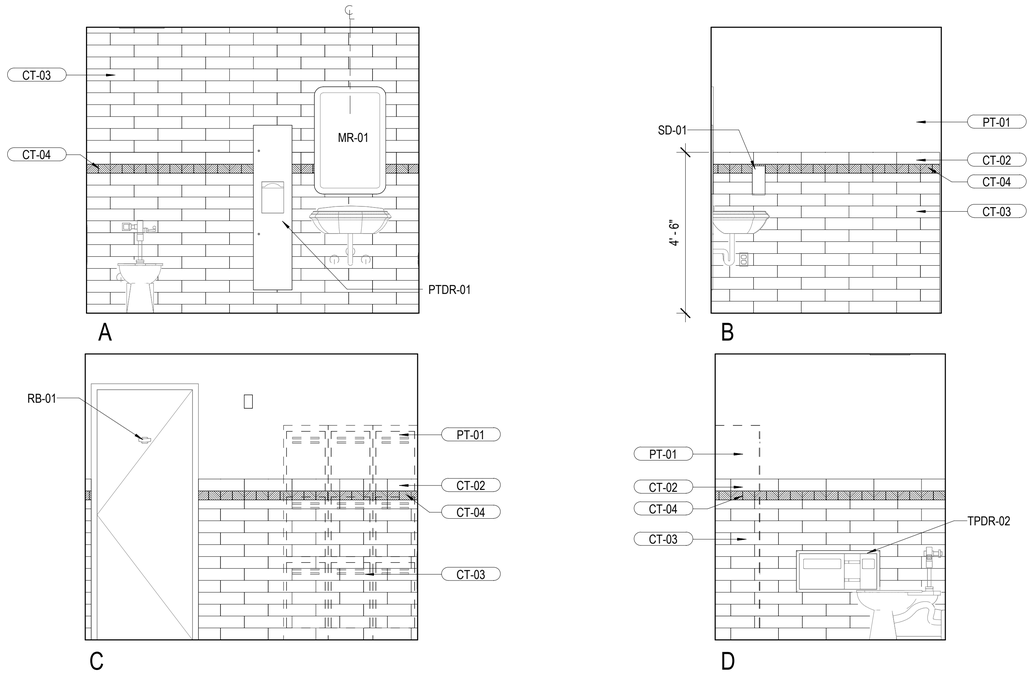
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INTERIOR ELEVATIONS

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

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-501
SHEET ISSUE DATE: 2/27/26	

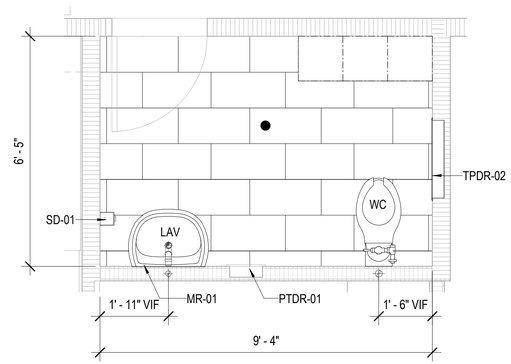
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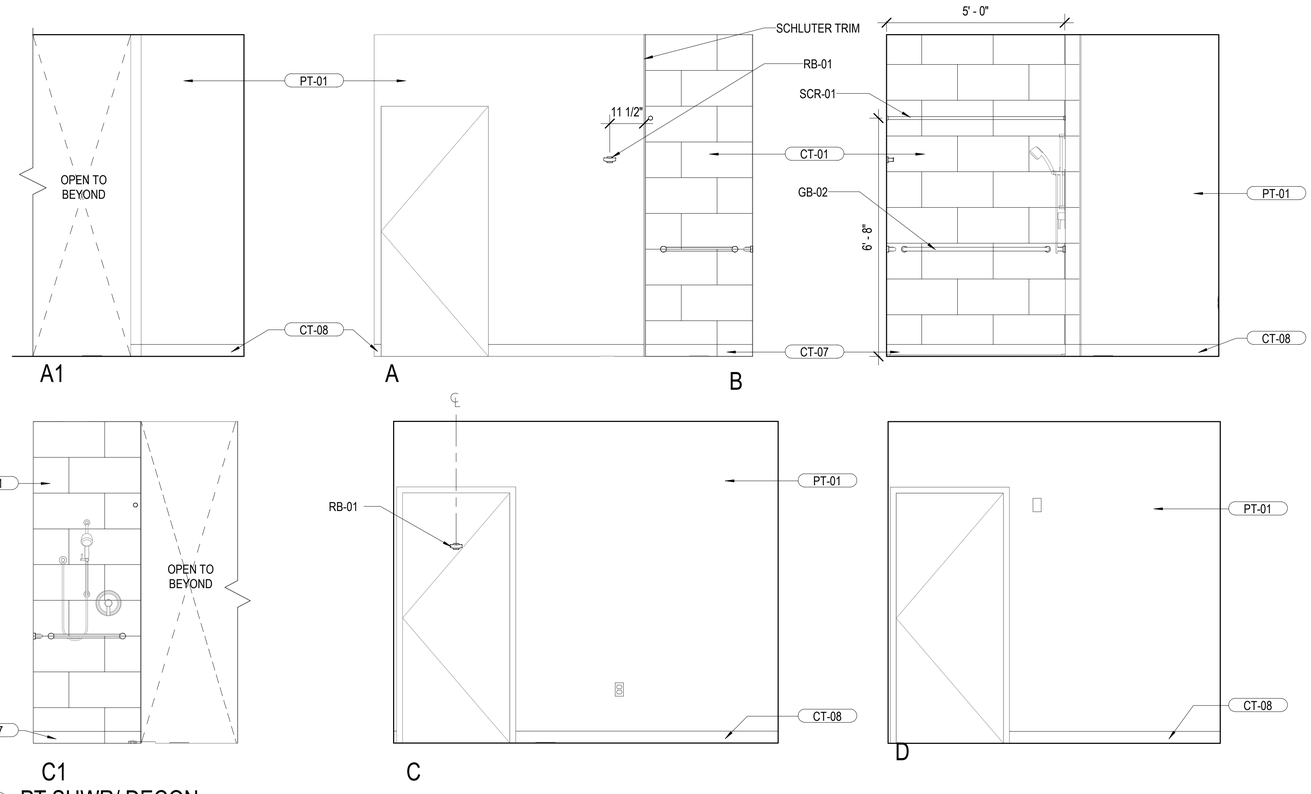
1 STAFF TLT

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



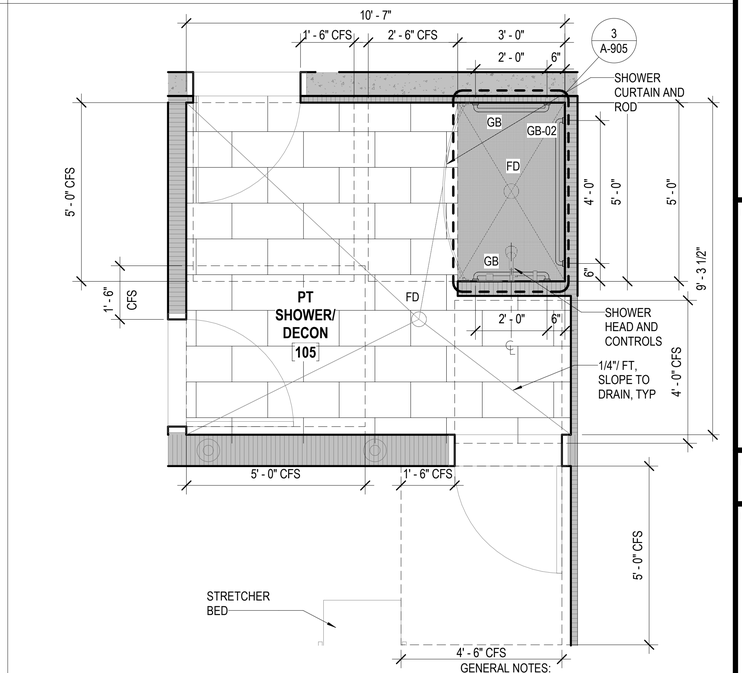
2 ENLARGED PLAN - STAFF TLT

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



3 PT SHWR/ DECON

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



4 ENLARGED PLAN - PT SHOWER/DECON

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

GENERAL NOTES:
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2. SEE FINISH FLOOR PLAN ON A-141
3. SEE FINISH SCHEDULES ON A-621
4. SEE ACCESSORY MOUNTING SCHEDULE ON A-611
5. ALL DIMENSIONS ARE A.F.F.
6. SEE FF&E SCHEDULE ON A-143 FOR EQUIPMENT



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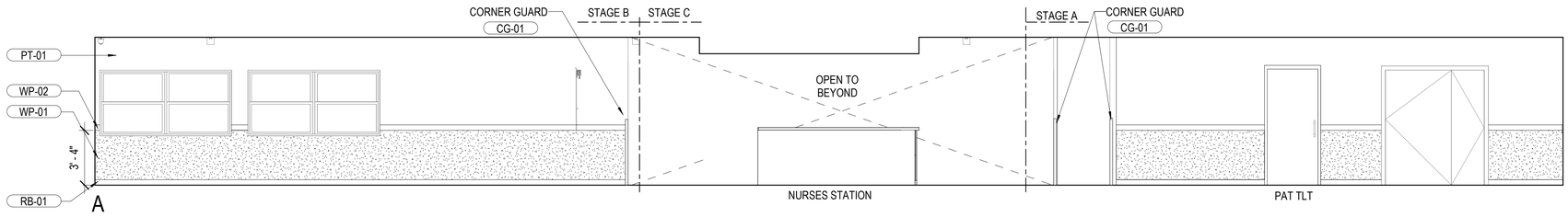
INTERIOR ELEVATIONS

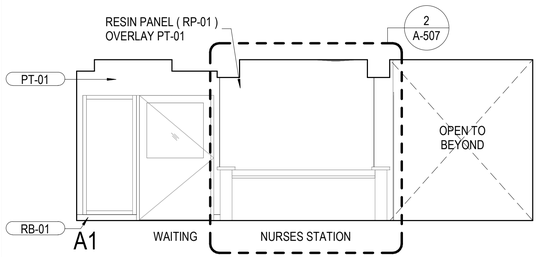
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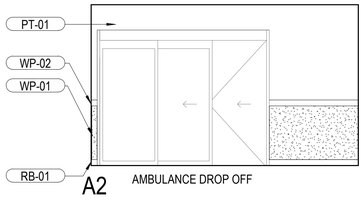
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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-502
SHEET ISSUE DATE: 2/27/26	

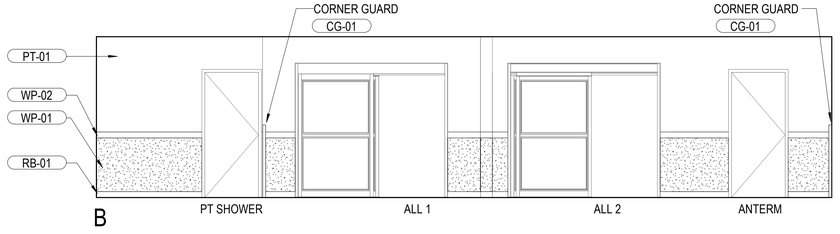
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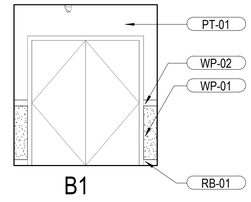
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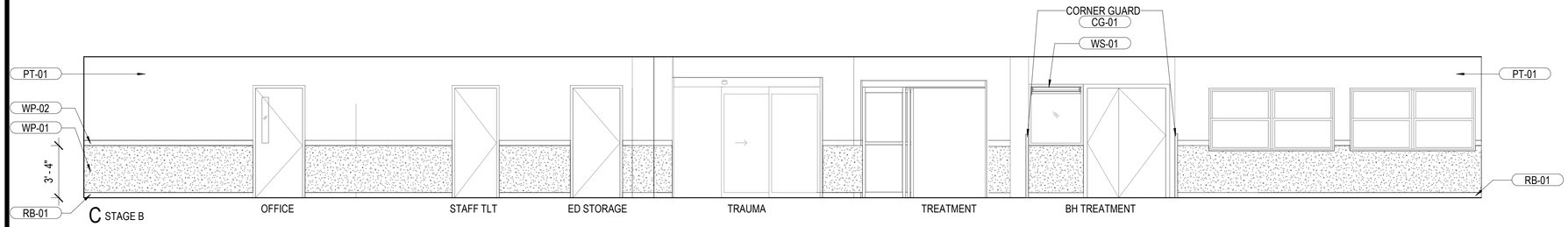


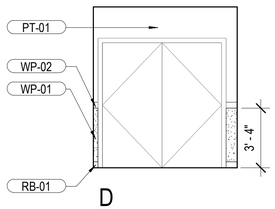




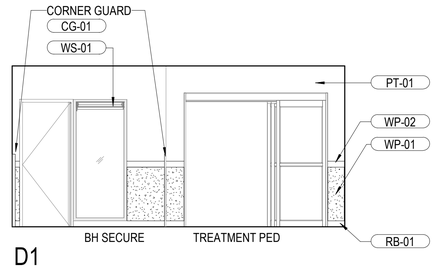


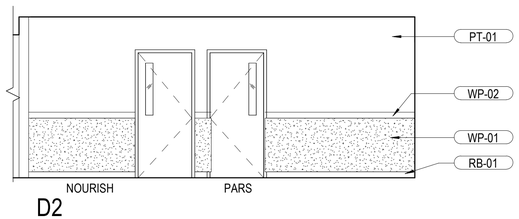


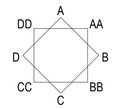




1 ED CIRCULATION
SCALE: 1/4" = 1'-0"







GENERAL NOTES:
1. SEE OVERALL FLOOR PLAN ON A-101
2. SEE FINISH SCHEDULES ON A-621
3. ALL DIMENSIONS ARE A.F.F.



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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

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DRAWING TITLE
INTERIOR ELEVATIONS

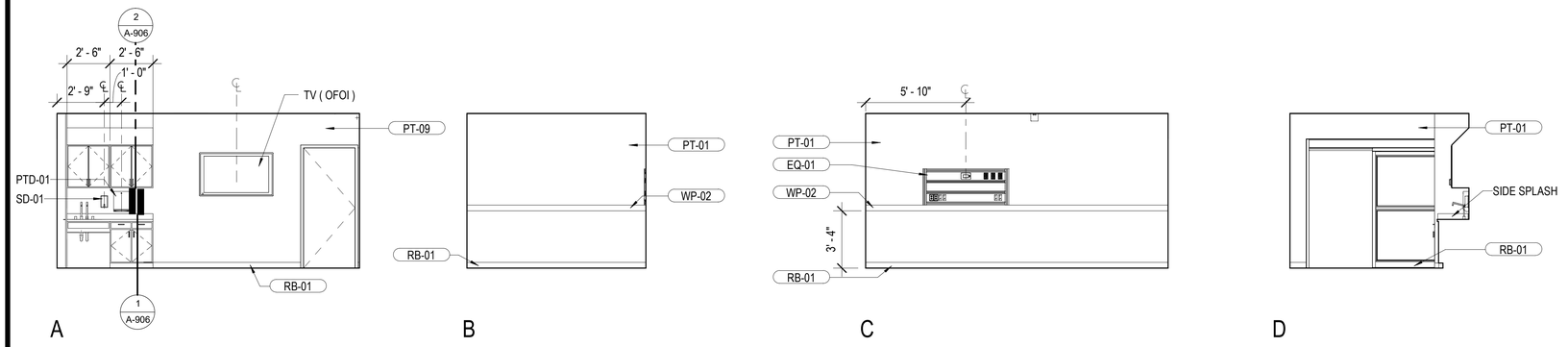
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Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-503
SHEET ISSUE DATE: 2/27/26	

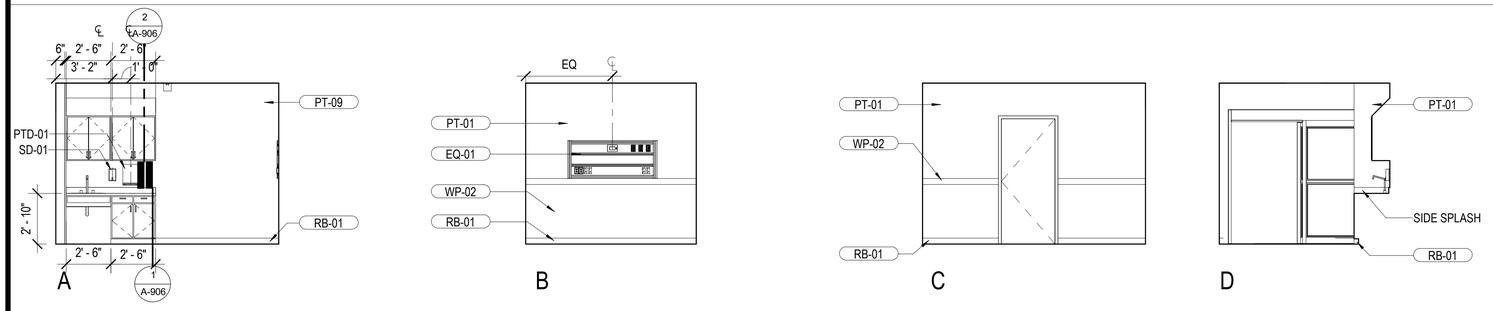
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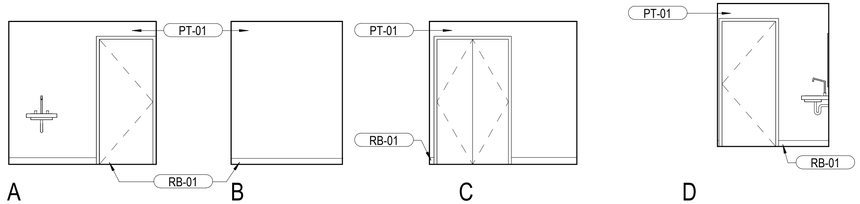
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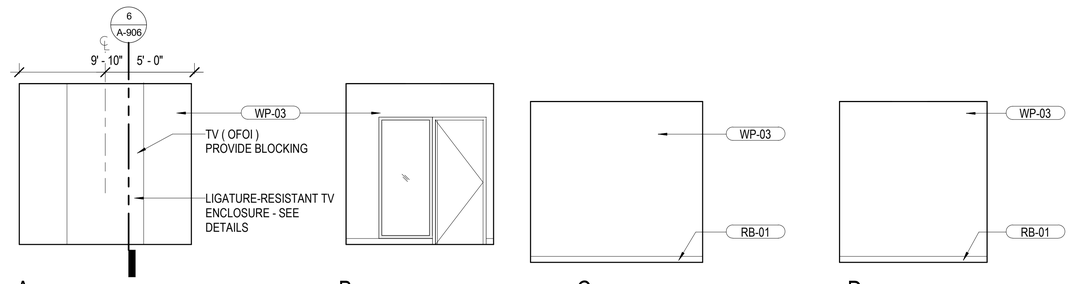
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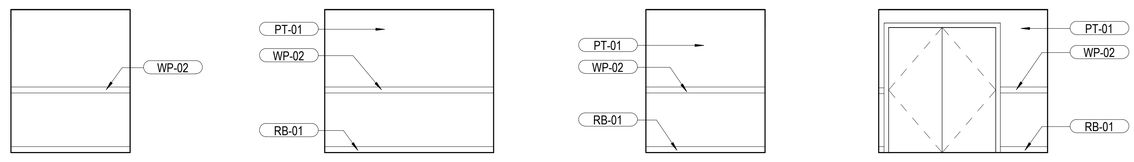
3 ANTERM

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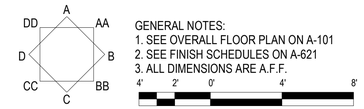
4 BH SECURE RM

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



5 BODY HOLD

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



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EMERGENCY DEPARTMENT RENOVATION & ADDITION

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DRAWING TITLE

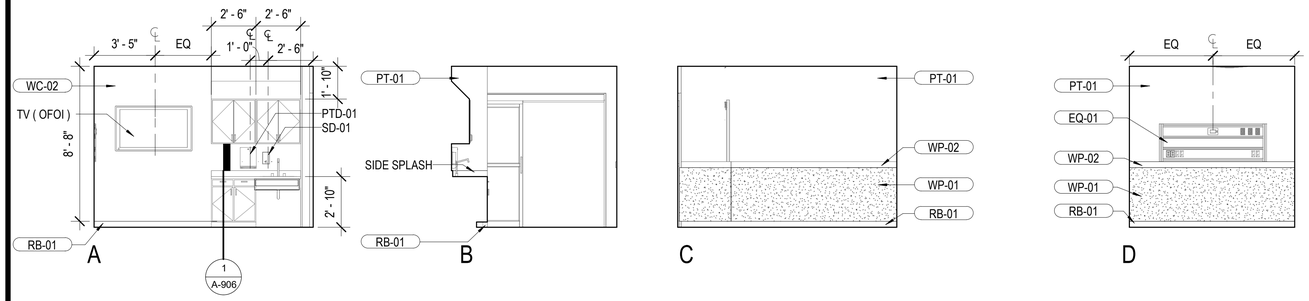
INTERIOR ELEVATIONS

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

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-504
SHEET ISSUE DATE:	
2/27/26	

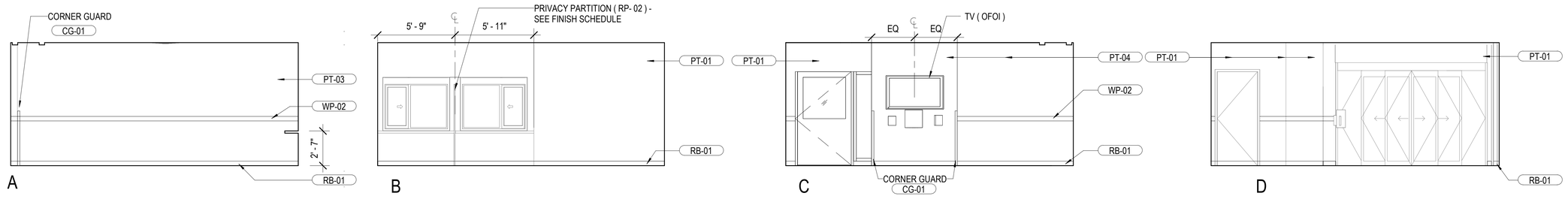
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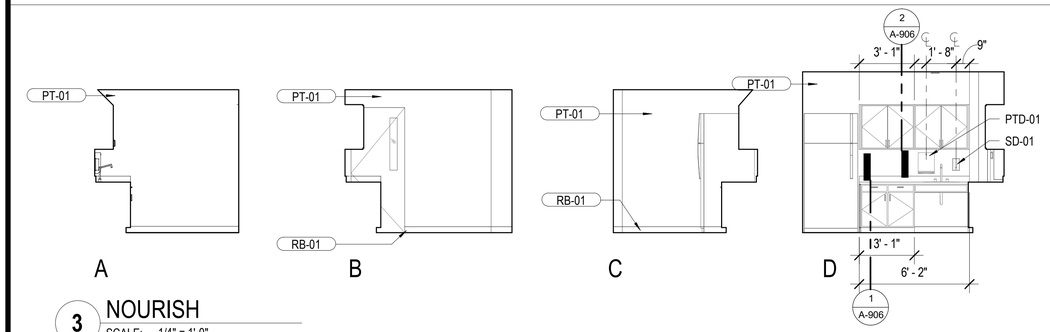
1 TREATMENT (PED)

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



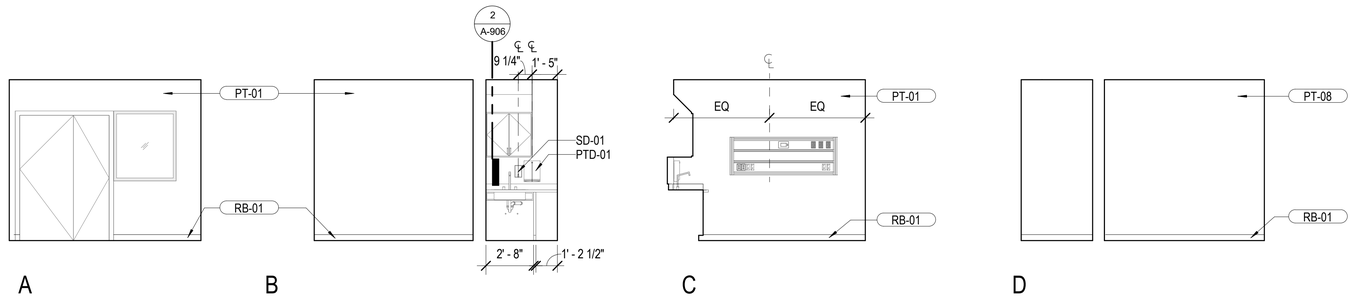
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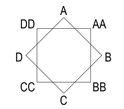
3 NOURISH

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



4 BH TREATMENT

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



GENERAL NOTES:
1. SEE OVERALL FLOOR PLAN ON A-101
2. SEE FINISH SCHEDULES ON A-621
3. ALL DIMENSIONS ARE A.F.F.



G70

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808.523.5866
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REVISIONS

#	Date	Description

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
INTERIOR ELEVATIONS

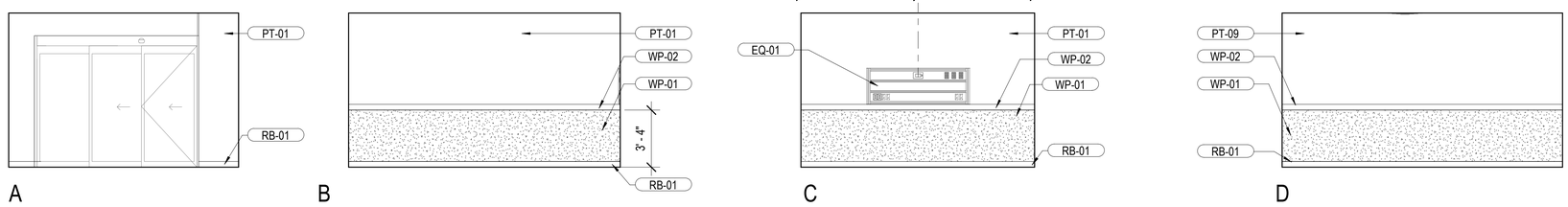
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Author	Checker

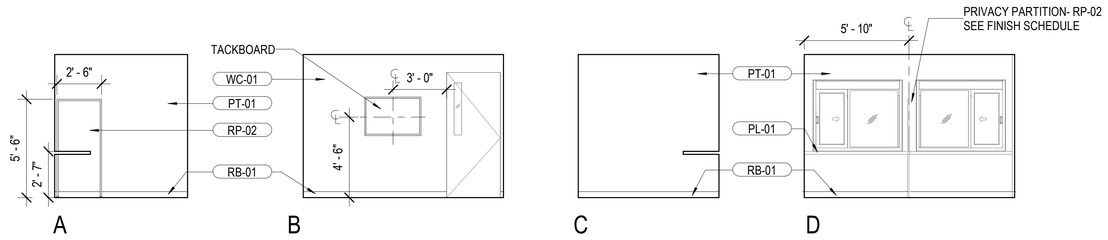
PROJECT NO.	DRAWING NO.
225057-01	A-505
SHEET ISSUE DATE: 2/27/26	

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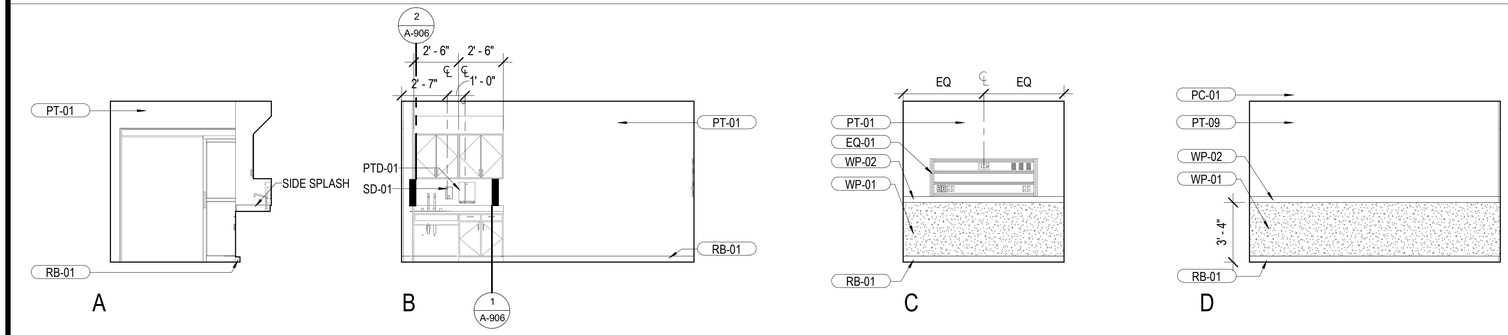
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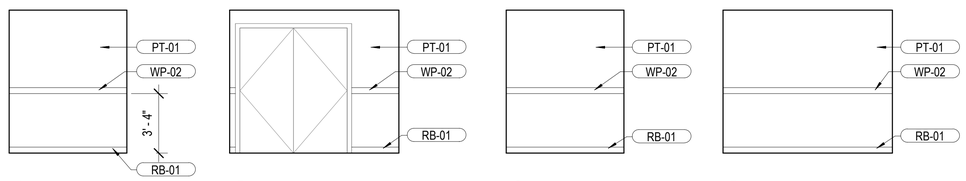
1C TRAUMA
SCALE: 1/4" = 1'-0"



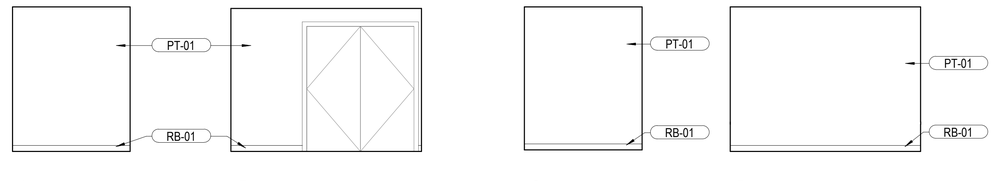
2C PARS
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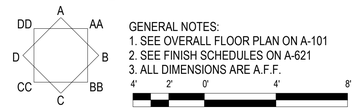
3C TREATMENT
SCALE: 1/4" = 1'-0"



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



5 EMERGENCY SUPPLIES
SCALE: 1/4" = 1'-0"



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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
INTERIOR ELEVATIONS

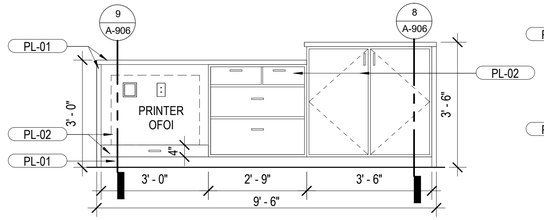
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PROJECT NO.	DRAWING NO.
225057-01	A-506
SHEET ISSUE DATE: 2/27/26	

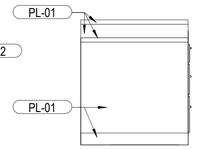
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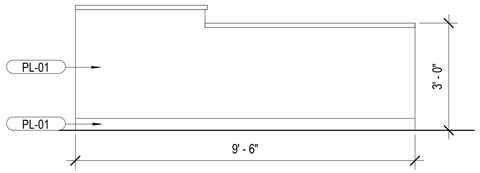


A

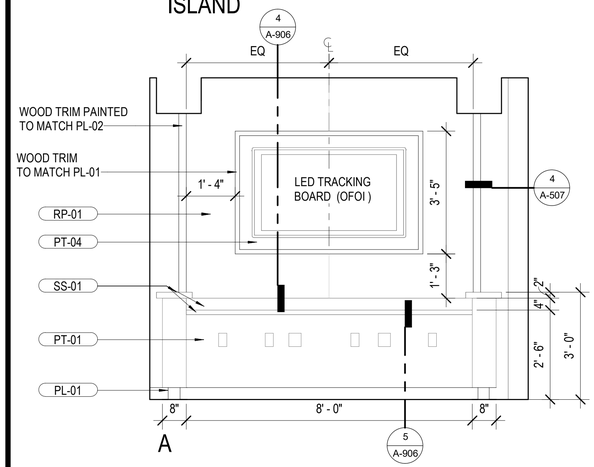
ISLAND



D (C SIMILAR)

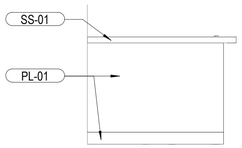


C

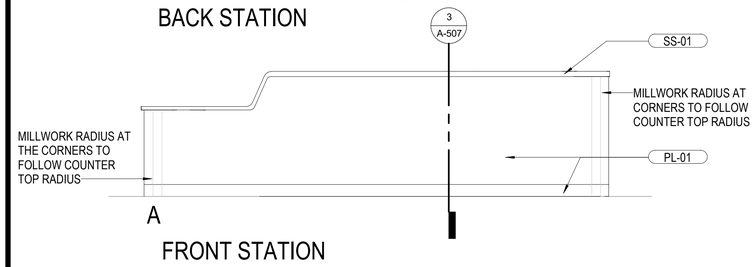


A

BACK STATION



B (D SIMILAR)



A

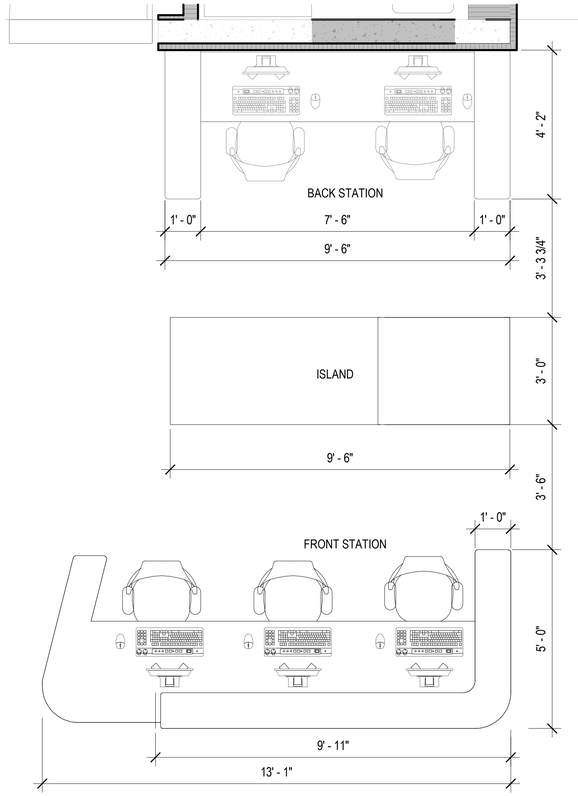
FRONT STATION



C1

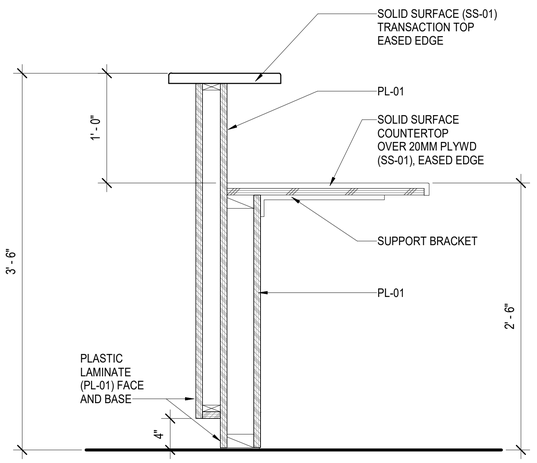
2 NURSE STATION

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



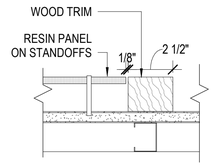
1 ENLARGED PLAN - NURSE STATION

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



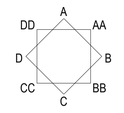
3 NURSING STATION TRANSACTION COUNTER

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



4 RESIN PANEL AT WOOD TRIM

SCALE: 3" = 1'-0"



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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

INTERIOR ELEVATIONS

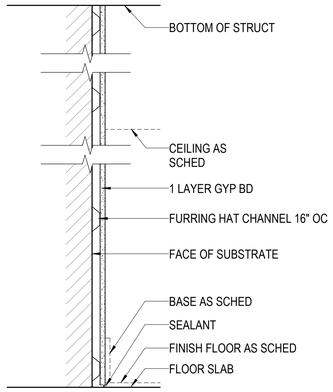
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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-507
SHEET ISSUE DATE:	
2/27/26	

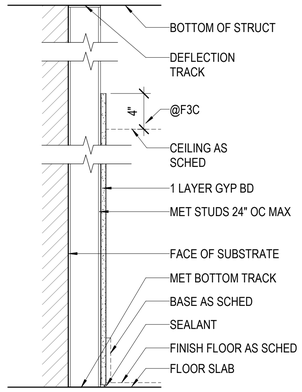
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PARTITION TYPES



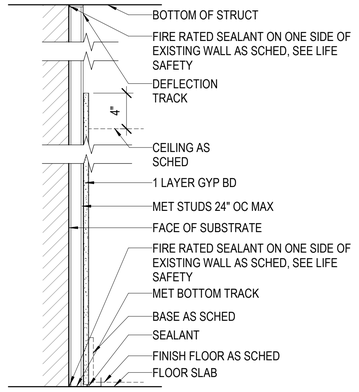
FH FURRED PARTITION TO STRUCTURE



F3 FURRED PARTITION TO STRUCTURE

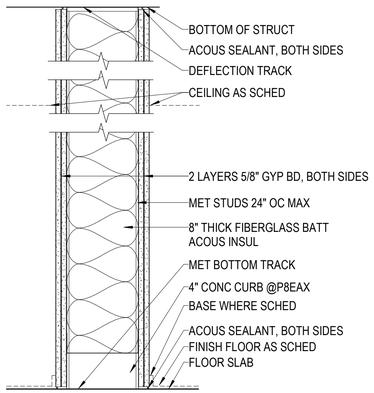
F3C FURRED PARTITION TO 4" PAST CEILING

F3X IMPACT- RESISTANT
FURRED PARTITION TO 4" PAST CEILING
IMPACT-RESISTANT GYP BD (ASTM C1629, LEVEL 3)



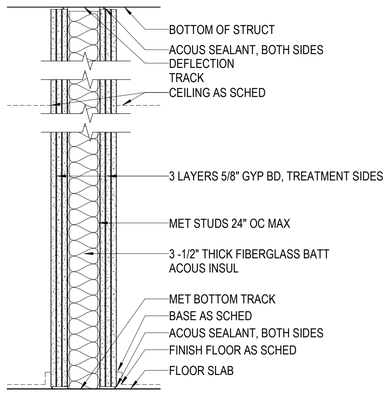
F1C FURRED PARTITION TO 4" PAST CEILING

F1CX IMPACT- RESISTANT
FURRED PARTITION TO 4" PAST CEILING
IMPACT-RESISTANT GYP BD (ASTM C1629, LEVEL 3)



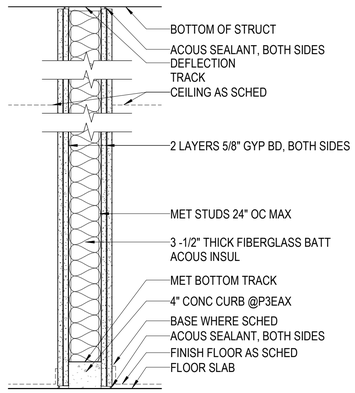
P8EA PARTITION TO STRUCTURE W/ ACOUS INSUL
STC (45)

P8EAX PARTITION TO STRUCTURE W/ ACOUS INSUL
STC (45) (SIM) W/ CONC CURB



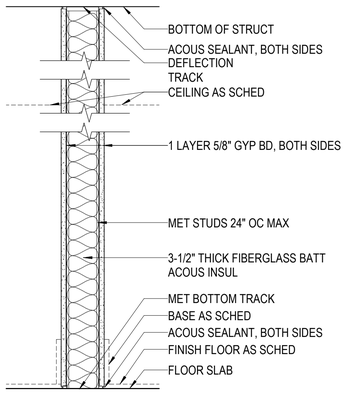
P3HAX IMPACT-RESISTANT PARTITION TO STRUCTURE W/ ACOUS INSUL
STC (50)

NOTE: 1 LAYER OF IMPACT_RESISTANT GYP BD (ASTM C1629, LEVEL 3), ONE SIDE ONLY AT BH TREATMENT RM TO 4 IN ABOVE CEILING



P3EA PARTITION TO STRUCTURE W/ ACOUS INSUL
STC (45)

P3EAX PARTITION TO STRUCTURE W/ ACOUS INSUL
STC (45) (SIM) W/ CONC CURB



P3GA PARTITION TO STRUCTURE W/ ACOUS INSUL
STC (35)

P6GAX PARTITION TO STRUCTURE W/ ACOUS INSUL
STC (35)

NOTE: 1 LAYER OF IMPACT_RESISTANT GYP BD (ASTM C1629, LEVEL 3), ONE SIDE ONLY AT BH/TREATMENT RM TO 4 IN ABOVE CEILING

LEGEND:

FIRE RATING (BLANK INDICATES NO FIRE RATING)
CONSTRUCTION TYPE
STUD SIZE
MODIFIER(S) (BLANK INDICATES NO MODIFIER)

1 P 3 A

FIRE RATING
1 - 1 HOUR
2 - 2 HOUR
3 - 3 HOUR
NOTE: BLANK INDICATES NO FIRE RATING

CONSTRUCTION TYPE
C - CHASE PARTITION
F - FURRING
M - MASONRY
N - CONCRETE
P - BASIC METAL FRAMED PARTITION
S - SHAFT PARTITION
W - BASIC WOOD FRAMED PARTITION

METAL STUD SIZE
H - 7/8" HAT CHANNEL
1 - 1 5/8" MET STUDS
2 - 2 1/2" MET STUDS
3 - 3 5/8" MET STUDS
4 - 4" MET STUDS
6 - 6" MET STUDS
8 - 8" MET STUDS

MODIFIERS
A - ACOUSTIC INSULATION
C - GYP BD, 4" PAST CEILING
D - 2-LAYERS OF GYP BD, ONE SIDE ONLY
E - 2-LAYERS OF GYP BD, BOTH SIDES
F - FULL HEIGHT GYP BD, ONE SIDE
G - FULL HEIGHT GYP BD, BOTH SIDES
H - 3-LAYERS OF GYP BD, ONE SIDE ONLY
J - FULL HT GLASS MAT GYP BD ON ONE SIDE
L - LEAD LINED
M - KNEE WALL (____" HIGH)
S - NO GYP BD, ONE SIDE ONLY
V - VENEER PLASTER
X - SPECIAL

NOTE: BLANK INDICATES NO MODIFICATIONS

GENERAL NOTES

1. ALL GYP BD IS TYPE 'X', 5/8" THICK UNO.

2. PARTITION TYPE @ HEADERS: AT DOORS, GLAZED PARTITIONS, CASED OPENINGS, CONTINUE ADJACENT PARTITION TYPE.

3. PROVIDE GLASS MAT GYP BD FOR PAINTED PARTITIONS IN WET AREA SUCH AS KITCHEN, BATHROOM, JANITOR CLOSETS, MECHANICAL ROOM, ETC.

4. PROVIDE GLASS MT GYP BD FOR PARTITIONS RECEIVING CERAMIC TILE.

5. FOR ALL FIRE RATED PARTITIONS AND ANY NOTED W/ ACOUSTICAL INSULATION, THE FOLLOWING NOTES SHOULD APPLY:

A. ALL PENETRATIONS OF THE WALL SHOULD BE SEALED AIR TIGHT ON BOTH SIDES W/ ACOUSTICAL SEALANT OR FIRE STOPPING, AND THE CAVITY IN BETWEEN FILLED W/ LOOSE FIBERGLASS OR MINERAL WOOL.

B. ANY WALL OUTLETS FOR DATA, VOICE, VIDEO, POWER OR OTHER UTILITIES SHOULD BE SEPARATED BY AT LEAST ONE STUD CAVITY HORIZONTALLY TO AVOID BACK-TO-BACK OUTLETS.

C. ELEC. PANEL BOARDS, FEC, EYE WASH, ETC SHALL BE WRAPPED WITH FIRE RESISTIVE MATERIAL TO MAIN FIRE RESISTIVE CONSTRUCTION.

6. ACOUS. SEALANT BEADS @ 8" O.C. BETWEEN EACH GYP BD. LAYER;CONT SEALANT BEAD WHERE GYP BD MEETS STUD,TYP.

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TMK#: 4-6-014:113

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Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
PARTITION TYPES

SCALE: As indicated

DRAWN BY:

CHECKED BY:

PROJECT NO.
225057-01

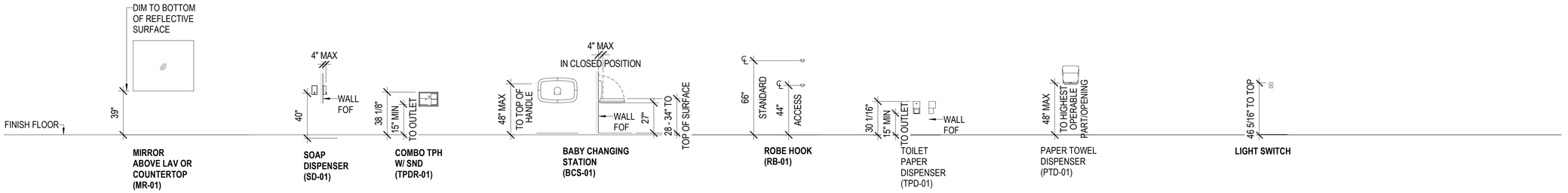
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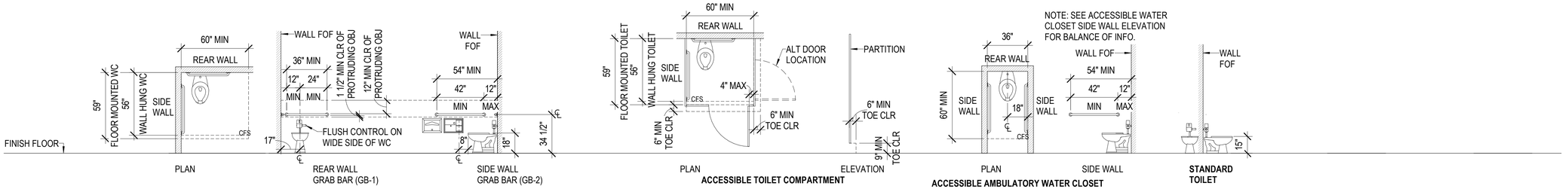
SHEET ISSUE DATE:
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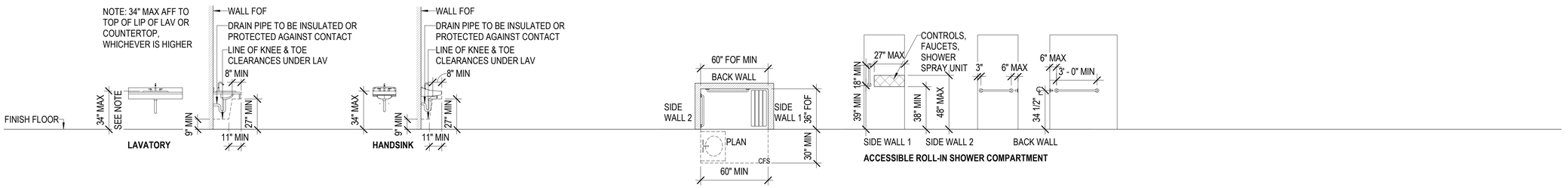
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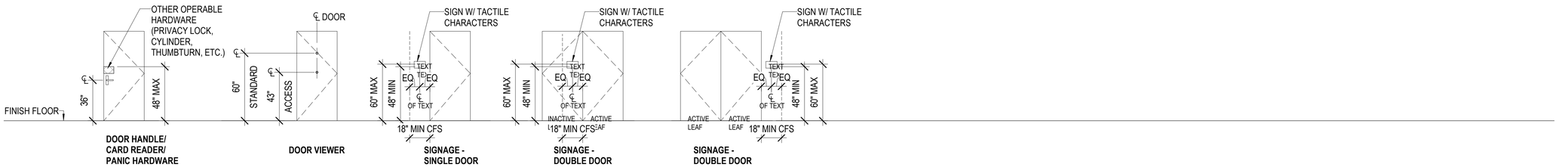
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MOUNTING HEIGHTS









NOTES:

1. ALL DIMENSIONS SHOWN ARE TO FINISH FLOOR.
2. PROVIDE BLOCKING IN WALL FOR FIXTURES AND ACCESSORIES.
3. SEE INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS NOT SHOWN.
4. CONTRACTOR TO VERIFY THAT THE ACCESSIBLE MOUNTING HEIGHTS MEET THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.
5. REFER TO PLANS FOR ADA MANEUVERING CLEARANCES.

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TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE

ADA MOUNTING HEIGHT SCHEDULE

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

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Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-611

SHEET ISSUE DATE: 2/27/26

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COLOR AND MATERIAL FINISH SCHEDULE

MARK	MATERIAL DESCRIPTION	MANUFACTURER	MATERIAL NAME	MATERIAL SIZE	NO/COLOR	MATERIAL FINISH	LOCATION USED/REMARKS
ACT-01	ACOUSTIC CEILING TILE	ARMSTRONG CEILING	ULTIMA HEALTH ZONE TEGULAR	24"x24"	WHITE	-	GENERAL CEILING THROUGH OUT
ACT-02	ACOUSTIC CEILING TILE, SCRUBBABLE, GASKETED	ARMSTRONG CEILING	ULTIMA HEALTH ZONE TEGULAR	24"x24"	WHITE	-	AII 1, AII2, TRAUMA
AP-01	ACOUSTIC PANEL	FSORB	FSORB PANEL	1" PANEL	BLACK		WAITING CEILING ABOVE WOOD GRILL
CG-01	CORNER GUARD	KOROSEAL	KOROGARD G400	2-11/16" X 8'2"	PUMICE (DH)		CORNER GUARDS AT CORRIDOR WALLS
CPT-01	CARPET	BENTLEY MILLS	PONDER 4PNT6	BROADLOOM 12' X 0.081" THICK	BEJU 410438	SEE SPEC	PARS
CT-01	PORCELAIN TILE	DALTILE	SOCIETY	12" x 24"	MONUMENT WHITE SO45	--	RESTROOMS FLOORS
CT-02	CERAMIC TILE	DALTILE	COLOR WHEEL COLLECTION - LINEAR	4" X 16" BULLNOSE	ARCTIC WHITE 0190	GLOSSY	RESTROOMS WALLS
CT-03	CERAMIC TILE	DALTILE	COLOR WHEEL COLLECTION - LINEAR	4" X 16"	ARCTIC WHITE 0190	GLOSSY	MAIN WALL TILE AT RESTROOMS
CT-04	CERAMIC TILE	DALTILE	REVALIA REMIX	3"x4"	MOSS RV19	GLOSSY	ACCENT WALL TILE AT ADA & STAFF RESTROOMS
CT-05	CERAMIC TILE	DALTILE	REVALIA REMIX	3"x4"	BRILLIANT BLUE RV21	GLOSSY	ACCENT WALL TILE AT PATIENT AND RECON SHOWER
CT-06	CERAMIC TILE	DALTILE	KEYSTONE	2"X2"	URBAN PUTTY D161, MOONSHINE D117, URBAN PUTTY SPECKLE D201	MATTE	SHOWER FLOORS
CT-07	PORCELAIN TILE	DALTILE	KEYSTONE	2"X2" COVE BASE	URBAN PUTTY D161,	MATTE	WALL BASE AS DECON SHOWERS
CT-08	PORCELAIN TILE-	DALTILE	SOCIETY	4"X12" COVE BASE	MONUMENT WHITE SO45	MATTE	WALL BASE AT DECON
GT-01	GROUT	LATICRETE	--	--	18 SAUTERNE	-	GROUT AT RESTROOM FLOORS
GT-02	GROUT	LATICRETE	--	--	44 BRIGHT WHITE		GROUT AT RESTROOM WALLS
PC-01	PRIVACY CURTAIN	MOMENTUM	ALOFT	--	VALLEY	-	AT PATIENT ROOMS, CONSTRUCTION SPECIALTIES STANDARD TRACK, SNAP LOCK CURTAINS
PL-01	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE	--	KENSINGTON MAPLE 10776-60	MATTE FINISH	MILLWORK
PL-02	PLASTIC LAMINATE	WILSONART	STANDARD LAMINATE	--	ETHEREAL MIST D509	MATTE FINISH	MILLWORK
PT-01	PAINT	BENJAMIN MOORE	--	--	CLOUD WHITE OC-130	SEE SPEC	MAIN WALL PAINT, DOOR TRIM, WINDOW TRIM- SEE INTERIOR ELEVATIONS
PT-02	PAINT	BENJAMIN MOORE	--	--	SUPER WHITE OC-152	SEE SPEC	CEILING PAINT THROUGHOUT- SEE RCP
PT-03	PAINT	BENJAMIN MOORE	--	--	GRANT BEIGE HC-83	SEE SPEC	ACCENT PAINT AT WAITING - SEE INTERIOR ELEVATIONS
PT-04	PAINT	BENJAMIN MOORE	--	--	HARRISBURG GREEN HC-132	SEE SPEC	ACCENT PAINT AT WAITING & NURSE STATION BACK WALL - SEE INTERIOR ELEVATIONS
PT-08	PAINT	BENJAMIN MOORE	--	--	BRITTANY BLUE OC-1633	SEE SPEC	ACCENT PAINT AT BH TREATMENT - SEE INTERIOR ELEVATIONS
PT-09	PAINT	BENJAMIN MOORE	--	--	PROVIDENCE BLUE OC-2135-40	SEE SPEC	ACCENT PAINT AT TREATMENT, TRAUMA, ALL 1, ALL 2 - SEE INTERIOR ELEVATIONS
RB-01	RUBBER BASE	TARKETT	WALL BASE	6"	29 MOON ROCK WG	--	WALL BASE THROUGHOUT
RF-01	RESILIENT FLOORING	MANNINGTON	REALITIES III	36"W X 72"L	PERSIAN WALNUT OUDH	--	FLOORING AT WAITING - SEE FINISH FLOOR PLAN
RF-02	RESILIENT FLOORING	MANNINGTON	REALITIES III	48"W X 48"L	SOUTHERN OAK HONEY	--	FLOORING AT CORRIDORS & MEDIC OPERATION ROOMS - SEE FINISH FLOOR PLAN
RF-03	RESILIENT FLOORING	MANNINGTON	BLOOM	36"W X 72"L	WELLSPRING RENEWAL	--	FLOORING AT TREATMENT ROOMS & BH - SEE FINISH FLOOR PLAN
RP-01	RESIN PANEL	3FORM	VARIA	3/8" THICK X SEE ELEVATIONS	ANAHAW PALM LID- 1048125	SANDSTONE F01	NURSE STATION BACK WALL FRAMING LED SCREEN
RP-02	RESIN PANEL	3-FORM	VARIA	3/8" THICK 5'-6" H X 30" W SEE INTERIOR ELEV	MONTEREY + PALLADIAN B66 / MONTEREY -IITUO HARDWARD AND FRAME	MONTEREY	FIXED PRIVACY PANEL AT PARS AND WAITING TO BE ANCHORED INTO THE FLOOR
SS-01	SOLID SURFACE	CORIAN	--	--	CAMEO WHITE	SEE SPEC	SURFACES THROUGHOUT
THR-01	THRESHOLD	DALTILE	DOUBLE BEVEL	6" W X 74" L X 5/8" H	WHITE MARBLE CARRERA M701	POLISHED	THRESHOLD AT RESTROOMS
THR-02	THRESHOLD	TARKETT	VT--XX-M2	5 1/2" W X 36" L X 1/2" THICKNESS	29 MOON ROCK WG	--	THRESHOLD AT PARS
WC-01	WALL COVERING	KOROSEAL	SEQUOIA	54"W X SEE SPEC	67511	SEE SPEC	WALL COVERING AT PAR - SEE INTERIOR ELEVATIONS
WC-02	WALL COVERING	KOROSEAL	KOROSEAL DIGITAL	SEE SPEC	2486739637	FINE TEXTURE	WALL COVERING AT PEDIATRICS - SEE INTERIOR ELEVATIONS
WC-03	WALL COVERING	KOROSEAL	OAKMERE	-	HONEY SS03-03	-	WALL COVERING AT NURSE STATION SOFFIT
WD-01	WOOD SLAT CEILING	9WOOD	1100 CROSS PIECE GRILLE	--	WESTERN HEMLOCK	CLEAR STAIN	WAITING INSET CEILING, INCLUDE MIN 1" THICK INSULATION BOARD OVER OPEN REVEALS WITHIN THE T-BAR GRID
WP-01	WALL PROTECTION	P3TEC	BALANCE	48"W X SEE SPEC	LIGHT GREIGE P3T-60283	-	WALL PROTECTION PANEL THROUGHOUT
WP-02	WALL PROTECTION	KOROSEAL	C400 SERIES VINYL CRASH RAIL	4"	PUMICE (DH)	-	BUMPER GUARDS AT CORRIDORS
WP-03	WALL PROTECTION	KOROSEAL	KOROGARD	0.40" THICK X SEE INTERIOR ELEVATION	FEATHER (4M)		WALL PROTECTION PANEL AT BH TREATMENT ROOM
WS-01	WINDOW SHADE	MECHO SHADE	ECO-SHEER 6850	--	STONE	--	BH ROOMS, HALLWAY SIDE

BATH ACCESSORY SCHEDULE

MARK	DESCRIPTION	LOCATION	MANUFACTURER	MODEL #	ITEM DESCRIPTION	DIMENSIONS	FINISH
	BABY CHANGING STATION	ADA TOILET	KOALA KARE PRODUCTS	KB200-SS	HORIZONTAL WALL MOUNTED BABY CHANGING STATION WITH STAINLESS STEEL VENEER	35 3/16" W X 18 5/32" H X 3 3/4" D	WHITE GRANITE
GB-01	GRAB BAR	ADA	BOBRICK	B-5806X36	1 1/4" STAINELSS STEEL GRAB BARS WITH SNAP FLANGE	36" W X 3 1/4" H X 1 1/2" D	STAINLESS STEEL SATIN
GB-02	GRAB BAR	ADA	BOBRICK	B-5806X42	1 1/4" STAINELSS STEEL GRAB BARS WITH SNAP FLANGE	42" W X 3 1/4" H X 1 1/2" D	STAINLESS STEEL SATIN
GB-03	GRAB BARS	PATIENT TOILET	KINGSWAY GROUP	KG274-RH	LIGATURE RESISTANT GRAB BAR - RIGHT HAND	36" W X 5 7/16" H X 4 1/16" D	SIGNAL WHITE
GB-04	GRAB BARS	PATIENT TOILET	KINGSWAY GROUP	KG276LH	LIGATURE RESISTANT GRAB BARS- LEFT HAND	42"W X 7 7/16" H X 4 1/16" D	SIGNAL WHITE
MR-01	MIRROR	ADA/STAFF	ELECTRIC MIRROR	EYL2-RC2.0-24.00X36. 00-L7CSHD-30K	EYLA LIGHTED MIRROR	24" W X 36" H X 1.75" D	N/A
MR-02	MIRROR	PATIENT TOILET	KINGSWAY GROUP	KG231	ANTI-LIGATURE RESISTANT MIRROR	18 1/8" W X 36 1/8" H X 1/2" D	ALUMNIUM FRAME/ POLYCABONATE MIRROR
PTD-01	PAPER TOWEL DISPENSER	PATIENT TOILET	BESAFEPRODUCTS	PH250	LIGATURE RESISTANT TRI-FOLD PAPER TOWEL DISPENSER	12" W X 13.625" H X 4" D	WHITE
PTD-02	PAPER TOWEL DISPENSER	TREATMENT ROOMS, NOURISH	BOBRICK	B-4262	SURFACE-MOUNTED PAPER TOWEL DISPENSER	10 13/16" W X 13 1/2" H X 4 7/8"D	STAINLESS STEEL SATIN
PTRD-01	PAPER TOWEL DISPENSER/ RECEPTACLE COMBO	ADA/STAFF	BOBRICK	B-38034	PAPER TOWEL DISPENER AND WASTE RECEPTACLE	13" W X 55 1/8" H X 1 3/4" D	STAINLESS STEEL SATIN
RB-01	ROBE HOOK	ADA/STAFF/DECON SHOWER	BOBRICK	B-76727	SURFACE MOUNTED DOUBLE ROBE HOOK	3 15/16" W X 2" H X 1 7/8" D	STAINLESS STEEL SATIN
SCR-01	SHOWER CURTAIN ROD	DECON SHOWER	BOBRICK	B-6107	HEAVY DUTY SHOWER CURTAIN ROD	60" W X 2 9/16" H X 3/4" D	STAINLESS STEEL SATIN
SD-01	SOAP DISPENSER	ADA/STAFF	BOBRICK	B-5050	SURFACE MOUNTED SOAP DISPENSER	3 13/16" W X 8 1/16" H X 3 3/4" D	GREY POLYMER
SD-02	SOAP DISPENSER	PATIENT TOILET	BESAFEPRODUCTS	SD755	LIGATURE RESISTANT SOAP DISPENSER	7.875" W X 12.625" H X 5.154" D	WHITE
SD-03	SOAP DISPENSER	TREATMENT ROOMS, NOURISH	BOBRICK	B-2013	AUTOMATIC WALL-MOUNTED FOAM SOAP DISPENSER	4 1/4" W X 9 9/16" H X 4 7/32" D	STAINLESS STEEL SATIN
TPD-01	TOILET PAPER DISPENSER	PATIENT TOILET	BESAFEPRODUCTS	TR230	LIGATURE RESISTANT TOILET PAPER DISPENSER	7 3/4" W X 10 1/2" H X 5 1/2" D	WHITE
TPDR-01	TOILET ACCESSORY COMBO	ADA	BOBRICK	B-3091	RECESSED TOILET TISSUE, SEAT COVER DISPENSER AND WASTE DISPOSAL - LIFE SIDE	28" W X 14" H X 3 15/16" D	STAINLESS STEEL SATIN
TPDR-02	TOILET ACCESSORY COMBO	STAFF	BOBRICK	B-3092	RECESSED TOILET TISSUE, SEAT COVER DISPENSER AND WASTE DISPOSAL - RIGHT SIDE	28" W X 14" H X 3 15/16" D	STAINLESS STEEL SATIN

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME/DESCRIPTION	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH
101	WAITING	RF-01	RB-01	PT-01,PT-03,PT-04,WP-02	ACT-01,WD-01
102	ADA TLT	CT-06	-	CT-02,CT-03,CT-04, PT-01	GYP-01
103	PARS	CPT-01	RB-01	PT-01,WC-01	ACT-01
104	NOURISH	RF-03	RB-01	PT-01	GYP-01
105	PT SHOWER/ DECON	CT-06, CT-01	CT-08, CT-07	PT-10, CT-01	ACT-01
106	AII 1	RF-03	RB-01	PT-01,PT-09,WP-02	ACT-01
107	AII 2	RF-03	RB-01	PT-01,PT-09,WP-02	ACT-01
108	PAT TLT	CT-06	-	CT-03,CT-02, CT-05, PT-01	GYP-01
109	ANTERM	RF-02	RB-01	PT-01	GYP-01
110	STAFF TLT	CT-06	-	CT-02, CT-03, CT-04, PT-01	GYP-01
111	TRAUMA	RF-03	RB-01	PT-01,PT-09,WP-01,WP-02	ACT-01
112	TREATMENT	RF-03	RB-01	PT-01, PT-09, WP-01,WP-02	ACT-01
113	BH/ TREATMENT	RF-03	RB-01	PT-01, PT-08	GYP-01
114	BH SECURE RM	RF-03	RB-01	WP-03	GYP-01
115	TREATMENT (PED)	RF-03	RB-01	PT-01,WC-02,WP-01,WP-02	ACT-01
116	ED CIRCULATION	RF-02	RB-01	PT-01,WP-01,WP-02	ACT-02,GYP-01
116A	ELEC	RF-03	RB-01	PT-01	-
117	NURSE STATION	RF-02	RB-01	PT-01,WC-03	ACT-02,GYP-01
118	BODY HOLD	RF-03	RB-01	PT-01,WP-02	GYP-01
119	EMERGENCY SUPPLIES	RF-03	RB-01	PT-01	-

FINISH NOTES

NOTES:

1.PROVIDE CRACK SUPRESSION MEMBRANE AT ALL STONE FLOOR LOCATIONS

2.PROVIDE EXPANSION JOINTS PER TCA RECOMMENDATIONS FOR ALL STONE FLOORING. VERIFY JOINT LOCATIONS WITH ARCHITECT.

3. REFER TO INTERIOR ELEVATIONS FOR PAINT COLOR.

4. FINISH (FIN):

ACT-= ACOUSTIC CEILING TILE
CG= CORNER GUARD
CPT-= CARPET TILE
CT-= CERAMIC TILE
DEFS-= DIRECT EXTERIOR FINISH SYSTEM
MTL-= METAL
GT- = GROUT
PL- = PLASTIC LAMINATE
PT-= PAINT
RB-= RUBBER BASE
RF-= RESILIENT FLOORING
SC-= SEALED CONCRETE
SDT-= STATIC DISSIPATIVE FLOORING
SP-= SAFETY PADDING
SS-= SOLID SURFACE
ST- = STONE
WC-= WALLCOVERING
WP-= WALL PROTECTIVE PANEL
WT-= WINDOW TREATMENT

FINISH SCHEDULE NOTES:

1. "( )" IN A SCHEDULE DENOTES A REMARK. SEE REMARKS COLUMN AND REMARKS LIST. ORDER OF NUMBERS IN REMARKS COLUMN IS AS THEY OCCUR FROM LEFT TO RIGHT ON SCHEDULE.
2. - SHOWN ON A SCHEDULE INDICATES FEATURE NOT REQUIRED.
3.MATERIAL (MAT):
AP= ACOUSTIC PANEL
C= REINFORCED CONCRETE SLAB
CM= CROWN MOULDING
WD= WOOD
WB= WOOD BASE
GB= GYPSUM BOARD
GBX= TYPE 'X' GYPSUM BOARD
MT= GRASS MATS AND HARDWOOD TRIMS
RP= RESIN PANEL
T= TRIM
THR= THRESHHOLD
WD= WOOD

REFERENCE NOTES:

1. SEE FLOOR FINISH PLANS FOR LOCATION OF FINISHES

2. SEE INTERIOR ELEVATIONS FOR LOCATION OF FINISHES

3. TRIMS INCLUDE BUT ARE NOT LIMITED TO DOOR PANEL, DOOR FRAME, HANDRAILS, WD TRIMS; UNLESS OTHERWISE INDICATED OR SPECIFIED

4. SEE REFLECTED CEILING PLAN FOR LOCATION OF FINISHES

G70
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REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
2/27/2026

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Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
MATERIAL FINISH & ROOM FINISH SCHEDULE

SCALE:

DRAWN BY:	CHECKED BY:
Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-621
SHEET ISSUE DATE: 2/27/26	

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TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	LOCATION	MANUFACTURER	MODEL #	ITEM DESCRIPTION	DIMENSIONS	FINISH
	BABY CHANGING STATION	ADA TOILET	KOALA KARE PRODUCTS	KB200-SS	HORIZONTAL WALL MOUNTED BABY CHANGING STATION WITH STAINLESS STEEL VENEER	35 3/16" W X 18 5/32" H X 3 3/4" D	WHITE GRANITE
GB-01	GRAB BAR	ADA	BOBRICK	B-5806X36	1 1/4" STAINELSS STEEL GRAB BARS WITH SNAP FLANGE	36" W X 3 1/4" H X 1 1/2" D	STAINLESS STEEL SATIN
GB-02	GRAB BAR	ADA	BOBRICK	B-5806X42	1 1/4" STAINELSS STEEL GRAB BARS WITH SNAP FLANGE	42" W X 3 1/4" H X 1 1/2" D	STAINLESS STEEL SATIN
GB-03	GRAB BARS	PATIENT TOILET	KINGSWAY GROUP	KG274-RH	LIGATURE RESISTANT GRAB BAR - RIGHT HAND	36" W X 5 7/16" H X 4 1/16" D	SIGNAL WHITE
GB-04	GRAB BARS	PATIENT TOILET	KINGSWAY GROUP	KG276LH	LIGATURE RESISTANT GRAB BARS- LEFT HAND	42"W X 7 7/16" H X 4 1/16" D	SIGNAL WHITE
MR-01	MIRROR	ADA/STAFF	ELECTRIC MIRROR	EYL2-RC2.0-24.00X36.00-L7CSHD-30K	EYLA LIGHTED MIRROR	24" W X 36" H X 1.75" D	N/A
MR-02	MIRROR	PATIENT TOILET	KINGSWAY GROUP	KG231	ANTI-LIGATURE RESISTANT MIRROR	18 1/8" W X 36 1/8" H X 1/2" D	ALUMNIUM FRAME/ POLYCABONATE MIRROR
PTD-01	PAPER TOWEL DISPENSER	PATIENT TOILET	BESAFEPRODUCTS	PH250	LIGATURE RESISTANT TRI-FOLD PAPER TOWEL DISPENSER	12" W X 13.625" H X 4" D	WHITE
PTD-02	PAPER TOWEL DISPENSER	TREATMENT ROOMS, NOURISH	BOBRICK	B-4262	SURFACE-MOUNTED PAPER TOWEL DISPENSER	10 13/16" W X 13 1/2" H X 4 7/8"D	STAINLESS STEEL SATIN
PTRD-01	PAPER TOWEL DISPENSER/ RECEPTACLE COMBO	ADA/STAFF	BOBRICK	B-38034	PAPER TOWEL DISPENER AND WASTE RECEPTACLE	13" W X 55 1/8" H X 1 3/4" D	STAINLESS STEEL SATIN
RB-01	ROBE HOOK	ADA/STAFF/DECON SHOWER	BOBRICK	B-76727	SURFACE MOUNTED DOUBLE ROBE HOOK	3 15/16" W X 2" H X 1 7/8" D	STAINLESS STEEL SATIN
SCR-01	SHOWER CURTAIN ROD	DECON SHOWER	BOBRICK	B-6107	HEAVY DUTY SHOWER CURTAIN ROD	60" W X 2 9/16" H X 3/4" D	STAINLESS STEEL SATIN
SD-01	SOAP DISPENSER	ADA/STAFF	BOBRICK	B-5050	SURFACE MOUNTED SOAP DISPENSER	3 13/16" W X 8 1/16" H X 3 3/4" D	GREY POLYMER
SD-02	SOAP DISPENSER	PATIENT TOILET	BESAFEPRODUCTS	SD755	LIGATURE RESISTANT SOAP DISPENSER	7.875" W X 12.625" H X 5.154" D	WHITE
SD-03	SOAP DISPENSER	TREATMENT ROOMS, NOURISH	BOBRICK	B-2013	AUTOMATIC WALL-MOUNTED FOAM SOAP DISPENSER	4 1/4" W X 9 9/16" H X 4 7/32" D	STAINLESS STEEL SATIN
TPD-01	TOILET PAPER DISPENSER	PATIENT TOILET	BESAFEPRODUCTS	TR230	LIGATURE RESISTANT TOILET PAPER DISPENSER	7 3/4" W X 10 1/2" H X 5 1/2" D	WHITE
TPDR-01	TOILET ACCESSORY COMBO	ADA	BOBRICK	B-3091	RECESSED TOILET TISSUE, SEAT COVER DISPENSER AND WASTE DISPOSAL - LIFE SIDE	28" W X 14" H X 3 15/16" D	STAINLESS STEEL SATIN
TPDR-02	TOILET ACCESSORY COMBO	STAFF	BOBRICK	B-3092	RECESSED TOILET TISSUE, SEAT COVER DISPENSER AND WASTE DISPOSAL - RIGHT SIDE	28" W X 14" H X 3 15/16" D	STAINLESS STEEL SATIN

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
TOILET ACCESSORY SCHEDULE

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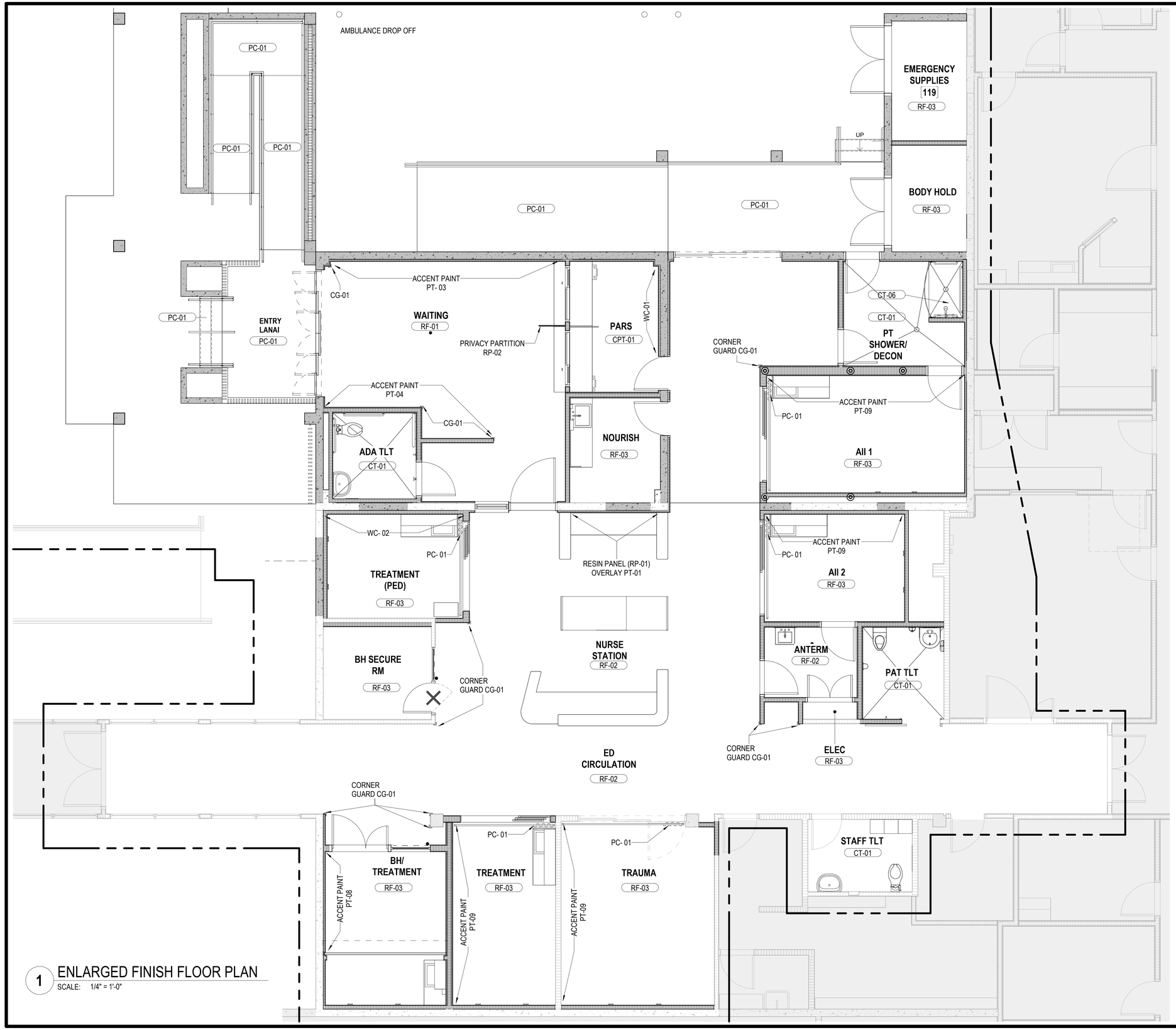
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Author	Checker

PROJECT NO.	DRAWING NO.
225057-01	A-622

SHEET ISSUE DATE: 2/27/26

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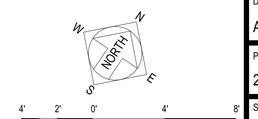
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1 ENLARGED FINISH FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. SEE OVERALL FLOOR PLAN AND ENLARGED PLANS FOR ADDITIONAL INFORMATION.
2. SEE INTERIOR ELEVATIONS
3.SEE FINISH SCHEDULES



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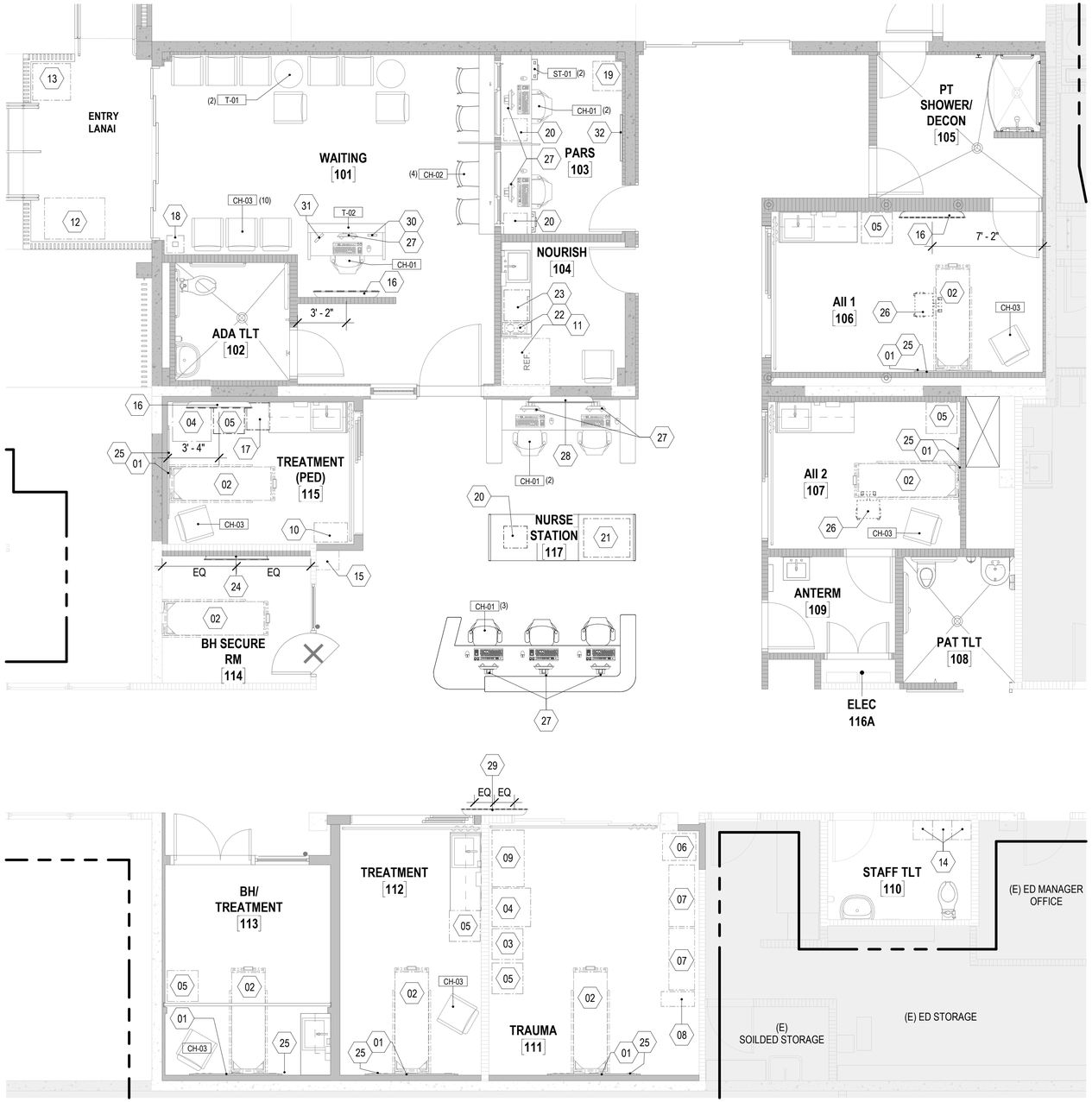
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FINISH FLOOR PLAN

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

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225057-01	A-623
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1 FF&E
SCALE: 1/4" = 1'-0"

EQUIPMENT SCHEDULE

MARK	MATERIAL DESCRIPTION	MANUFACTURER	MATERIAL NAME	DIMENSION	NOTES	NEW/(E)	OFCI/CFCI
01	HEAD WALL	AMICO	MAJESTIC SERIES	96" W X SEE SPEC	-	NEW	CFCI
02	GURNEY	HILL-ROM	--	36" X 83" X 34.25"	-	(E)	OFCI
03	AIRWAY VISUALIZATION SYSTEM	GLIDESCOPE	--	30" X 30" X 63"	-	NEW	OFCI
04	VENTILATOR	NIKON KOHDEN	--	30" X 30" X 50"	-	(E)	OFCI
05	INTRAVENOUS (IV) PUMPS	BBRAUN	--	24" X 24" X 85"	-	(E)	OFCI
06	LINEN CART	TBD	--	26" X 21" X 67"	-	NEW	OFCI
07	RESPIRATORY SUPPLY CART	BIO MEDICAL DEVICES INC	--	20" X 37" X 48"	-	(E)	OFCI
08	EMERGENCY CRASH CART W/ DEFIBRILLATOR (EKG)	ZOLL	--	26" X 11.5" X 50"	-	(E)	OFCI
09	TRAUMA CART	PHILIPS HEALTHCARE	--	25" X 44" X 54"	-	(E)	OFCI
10	PEDIATRIC PATIENT SCALE AND INFANT SCALE	HEALTH O METER	--	26" X 15" X 31"	-	(E)	OFCI
11	REFRIGERATOR	TBD	--	36" X 36" X 80"	-	NEW	CFCI
12	VENDING MACHINE DRINK	TBD	--	32" X 47" X 72"	-	NEW	OFCI
13	VENDING MACHINE SNACKS	TBD	--	29.5" X 28.5" X 72"	-	NEW	OFCI
14	LOCKERS 3 STACK	--	--	15" X 15" X 72"	-	(E)	OFCI
15	LOCKERS 2 STACK	TBD	--	15" X 18" X 72"	-	NEW	CFCI
16	TELEVISION	TBD	--	52" DIAGONAL	-	NEW	CFCI
17	PATIENT SCALE	HEALTH O METER	--	18" X 21" X 60"	-	(E)	OFCI
18	METAL DETECTOR POLE	TBD	--	13" X 13" X 72"	-	NEW	OFCI
19	PRINTER	REGIUS 190	--	23" X 23" X 48"	-	(E)	OFCI
20	PRINTER	XEROX/HP	--	18" X 17" X 18"	-	(E)	OFCI
21	EMERGENCY RADIO SYSTEM	MOTOROLA SOLUTIONS	--	36" X 30" X 30"	-	(E)	OFCI
22	COFFEE MAKER	TBD	--	10" X 12" X 18"	-	NEW	OFCI
23	MICROWAVE	TBD	--	22" X 16" X 13"	-	NEW	OFCI
24	TELEVISION	TBD	--	50" DIAGONAL	WITH BEHAVIORAL HEALTH SECURITY SHROUD	(E)	OFCI
25	PATIENT STATION MONITOR	PHILIPS HEALTHCARE	-	15" DIAGONAL	-	NEW	CFCI
26	BEDSIDE TABLE	QUADO	--	23" X 18" X 48"	-	NEW	OFCI
27	DESKTOP AND MONITORS	TBD	--	36" DIAGONAL		NEW	OFCI
28	TRACKING BOARD	PHILIPS HEALTHCARE	MONITORING SYSTEMS	52" DIAGONAL	-	NEW	CFCI
29	VITALS MONITOR	PHILIPS HEALTHCARE	MP50	52" DIAGONAL	-	NEW	CFCI
30	DESKTOP PHONE	TBD	--	7"X2"X8"		NEW	OFCI
31	VISITOR KIOSK	TBD	--	8.75"X1.5"X12"		NEW	OFCI
32	TACKBOARD		--	3' X 2'	-	NEW	OFCI

FF&E SCHEDULE

TYPE MARK	ITEM DESCRIPTION
CH-01	TASK CHAIR
CH-02	SIDE CHAIR
CH-03	WAITING / LOUNGE CHAIR
ST-01	PEDESTAL
T-01	SIDE TABLE
T-02	SECURITY DESK

LEGEND:
OFOI - OWNER FUNISHED OWNER INSTALLED (MEDICAL EQUIPMENT, EXISTING AND NEW); GC TO COORDINATE WITH OWNER'S CONTRACTOR
OFCI = OWNER FUNISHES CONTRACTOR INSTALLED
NIC - NOT IN CONTRACT, BY OTHERS

NOTE:
1. FURNITURE TAGGED (XX-##) ARE NOT SCHEDULED, SHOWN FOR COORDINATION. FURNITURE IS OFOI.
2. REFER TO EQUIPMENT SCHEDULE ON SHEET A-624 FOR FURTHER INFORMATION.

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REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
2/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
FF&E AND EQUIPMENT PLAN AND SCHEDULES

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

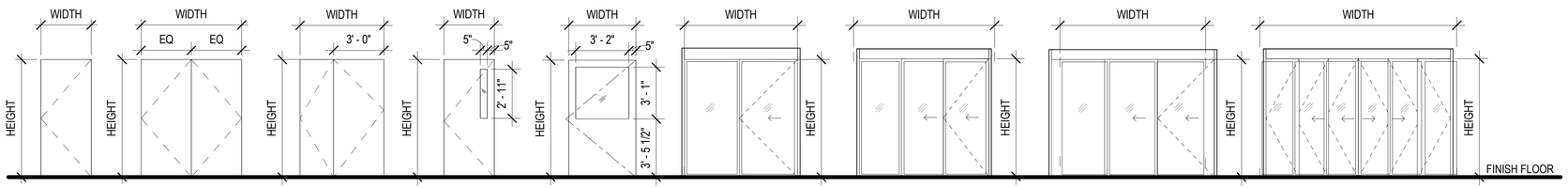
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Author	Checker

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225057-01	A-624
SHEET ISSUE DATE: 2/27/26	

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DOOR TYPES



F — FLUSH

F2 — DOUBLE FLUSH

F3 — DOUBLE FLUSH, UNEVEN LEAF

FG — NARROW LITE

FG2 — HALF LITE

SG — SLIDING

SG2 — SLIDING, TELESCOPING

SG3 — AUTOMATIC SLIDING, TELESCOPING

SG4 — AUTOMATIC SLIDING, BI-PARTING



B — BARN

OD — OVERHEAD COILING

DOOR NOTES

1. DOOR TYPES
B - BARN
BL - BI-FOLD LOUVER
CD - COUNTER DOOR
CG - COUNTER GRILLE
F - FLUSH
FG - FLUSH GLAZING
FL - FLUSH LOUVER
FM - FLUSH WITH MOULDING
FLO - FLUSH LOCK-OFF
G - GARAGE
GL - GLASS
MG - METAL GATE
OD - OVERHEAD DOOR
OG - OVERHEAD GRILLE
OP - OPERABLE PARTITION
SFD - SLIDING FOLDING DOOR
SG - SLIDING GLASS
SR - STILE RAIL
SRG - STILE RAIL GLASS

NOTE: SUB-TYPES ARE INDICATED BY A NUMERAL

2. DOOR CONSTRUCTION:
A - ACOUSTICAL
AL - ALUMINUM
B - BULLET PROOF
E - EXISTING
GL - GLASS
HC - HOLLOW CORE
HM - HOLLOW METAL
M - METAL
PB - LEAD LINED
SC - SOLID CORE
SR - STILE & RAIL
FRP - FIBERGLASS

3. DOOR FINISH:
AA - ALUMINUM, ANODIZED
AP - ALUMINUM, PAINTED
FF - FACTORY FINISH
MP - METAL, PAINTED
WP - WOOD, PAINTED
WS - WOOD, STAINED
PL - PLASTIC LAMINATE
WT - WOOD, TRANSPARENT
VC - VINYL CLAD

NOTE: SEE COLOR & MATERIAL SCHEDULE FOR COLOR DESIGNATIONS.

4. GLASS TYPES:
ALL GLASS SHALL BE 1/4" THK. U.O.N.

BR - SECURITY GLASS-BALLISTIC RESISTANT
DG - DECORATIVE GLASS
FE - SECURITY GLASS-FORCED ENTRY
FG - FLOAT GLASS
FS - FIRE SAFETY GLASS
FR - FIRE RATED GLASS
HR - HURRICANE RESISTANT GLASS
HS - HEAT STRENGTHENED GLASS
IG - INSULATING GLAZING
LG - LAMINATED GLASS
LL - LEAD GLASS
MG - ONE WAY VISION GLASS
PG - PATTERNED GLASS
TG - TEMPERED GLASS
WG - WIRE GLASS (HORIZONTAL/ VERTICAL WIRE ORIENTATION)
WPG - WIRE PATTERNED GLASS

5. DOOR LOUVER TYPES:
AD - ADJUSTABLE
LP - LIGHTPROOF
SB - STANDARD BLADE
SP - SIGHTPROOF
SR - STORM RESISTANT

DOOR LOUVER CONSTRUCTION & FINISH:
AA - ALUMINUM, ANODIZED
AP - ALUMINUM, PAINTED
WP - WOOD, PAINTED
WT - WOOD, TRANSPARENT

6. FRAME CONSTRUCTION/CASING & FINISH:
AA - ALUMINUM, ANODIZED
AP - ALUMINUM, PAINTED
MP - METAL, PAINTED
WP - WOOD, PAINTED
PL - PLASTIC LAMINATE
WT - WOOD, TRANSPARENT
VC - VINYL CLAD

NOTE: SEE COLOR & MATERIAL SCHEDULE FOR COLOR DESIGNATIONS.

7. HARDWARE:
HARDWARE GROUPS BY DOOR HARDWARE SUPPLIER

8. DETAILS:
SEE HEAD/JAMB DETAILS ON SHEET A-___,
AND THRESHOLD DETAILS ON SHEET A-___,
UNLESS OTHERWISE NOTED.

9. REMARKS LIST

DOOR SCHEDULE

STAGE A

DOOR MARK	ROOM NAME	WIDTH	HEIGHT	DOOR TYPE (1)	THICKNESS	CONSTRUCTION (2)	FINISH (3)	DOOR FINISH	GLASS (4)	LOUVER (5)	RATING	FRAME MATERIAL (6)	FRAME FINISH	HARDWARE GROUP (7)	HEAD (8) U.O.N	JAMB (8) U.O.N.	THRESHOLD (8) U.O.N.	REMARKS
101	WAITING	11' - 0"	7' - 1"	SG4	1 3/4"	AL	MP	CLEAR	BR	-	-	AA	CLEAR	001	4/A-703	6/A-703	7/A-703	TINTED
101A	WAITING	4' - 0"	7' - 0"	FG2	1 3/4"	SC	WS	TBD	TG	-	-	MP	PT-01	004	1/A-702	1/A-702	2/A-702	
102	ADA TOILET	3' - 0"	7' - 0"	F	1 3/4"	SC	WS	TBD	-	-	-	MP	PT-01	008	1/A-702	1/A-702	3/A-702	
103	PARS	3' - 0"	7' - 0"	FG	1 3/4"	SC	WS	TBD	TG	-	-	MP	PT-01	007	4/A-702	4/A-702	6/A-702	
104	NOURISH	3' - 0"	7' - 0"	FG	1 3/4"	SC	WS	TBD	-	-	-	MP	PT-01	007	4/A-702	4/A-702	2/A-702	
105	PT SHOWER/DECON	3' - 0"	7' - 0"	F	1 3/4"	SC	WS	TBD	-	-	-	MP	PT-01	006	1/A-702	1/A-702	3/A-702	
105A	PT SHOWER/DECON	3' - 0"	7' - 0"	F	1 3/4"	SC	MP	TBD	-	-	-	MP	TBD	003	7/A-702	7/A-702	3/A-702	
106	AII 1	8' - 6"	7' - 5 3/4"	SG		AL	MP	CLEAR	TG	-	-	AA	CLEAR	001	1/A-703	2/A-703	3/A-703	
106A	AII 1	3' - 0"	7' - 0"	F	1 3/4"	SC	WS	TBD	-	-	-	AA	PT-01	006	1/A-702	1/A-702	3/A-702	
107	AII 2	8' - 6"	7' - 5 3/4"	SG		AL	MP	CLEAR	TG	-	-	AA	CLEAR	001	1/A-703	2/A-703	3/A-703	
108	PAT TOILET	3' - 8"	7' - 0"	B	1 3/4"	SC	WS	TBD	-	-	-	MP	PT-01	001	1/A-704	2/A-704	3/A-704	
109	ANTERM	3' - 0"	7' - 0"	F	1 3/4"	SC	WS	TBD	-	-	-	MP	PT-01	005	1/A-702	1/A-702	2/A-702	
109A	ANTERM	3' - 0"	7' - 0"	F	1 3/4"	SC	WS	TBD	-	-	-	MP	PT-01	005	1/A-702	1/A-702	2/A-702	
114	BH SECURE RM	3' - 0"	7' - 0"	F2	2 1/8"	HM	MP	TBD	LG			MP	TBD	001	7/A-704	8/A-704	2/A-702	
116	ED CIRCULATION	9' - 4"	7' - 1"	SG3	1 3/4"	AL	MP	CLEAR	BR	-	-	AA	CLEAR	001	8/A-703	5/A-703	9/A-703	TINTED
116A	ELECTRICAL	4' - 0"	7' - 0"	F2	1 3/4"	SC	WS	TBD	-	-	-	MP	PT-01	009	1/A-702	1/A-702	8/A-702	
118	EMERGENCY SUPPLIES	6' - 0"	7' - 0"	F2	1 3/4"	AL	MP	TBD	-	-	-	MP	TBD	002	7/A-702	7/A-702	8/A-702	
119	BODY HOLD	6' - 0"	7' - 0"	F2	1 3/4"	AL	MP	TBD	-	-	-	MP	TBD	002	7/A-702	7/A-702	8/A-702	
276		6' - 0"	7' - 0"		0"													

STAGE B

DOOR MARK	ROOM NAME	WIDTH	HEIGHT	DOOR TYPE (1)	THICKNESS	CONSTRUCTION (2)	FINISH (3)	DOOR FINISH	GLASS (4)	LOUVER (5)	RATING	FRAME MATERIAL (6)	FRAME FINISH	HARDWARE GROUP (7)	HEAD (8) U.O.N	JAMB (8) U.O.N.	THRESHOLD (8) U.O.N.	REMARKS
112	TREATMENT	8' - 0"	7' - 5 3/4"	SG2	6"	AL	MP	CLEAR	TG	-	-	AA	CLEAR	001	9/A-702	5/A-702	10/A-702	
113	BH/TREATMENT	5' - 0"	7' - 0"	F3	1 3/4"	SC	WS	CLEAR		-	-	MP	PT-01	001	1/A-702	1/A-702	2/A-702	
113A	BH/TREATMENT	10' - 5"	9' - 0"	OD	2"	AL	MP	CLEAR	-	-	-	AA	CLEAR	001	4/A-704	5/A-704	6/A-704	
115	TREATMENT (PED)	8' - 0"	7' - 5 3/4"	SG2	6"	AL	MP	CLEAR	TG	-	-	AA	CLEAR	001	9/A-702	5/A-702	10/A-702	

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
DOOR TYPES & SCHEDULE

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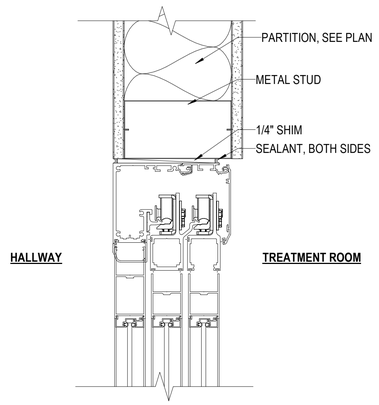
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Author	Checker

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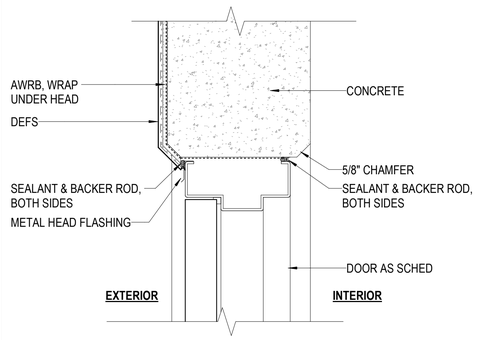
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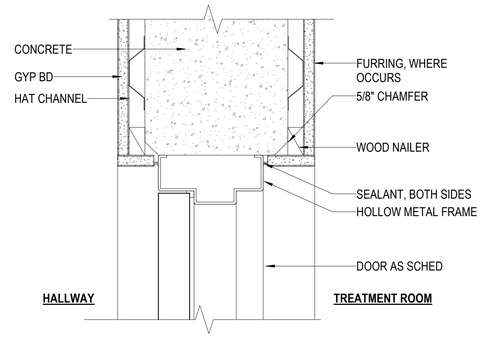
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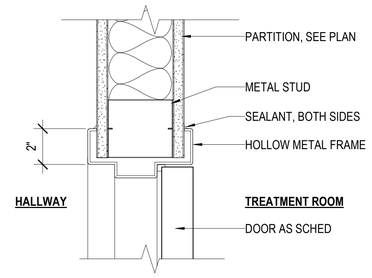
9 TREATMENT SLIDING DOOR HEAD
SCALE: 3" = 1'-0"



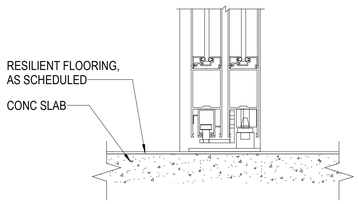
7 HM HEAD (CONCRETE) (JAMB, SIM)
SCALE: 3" = 1'-0"



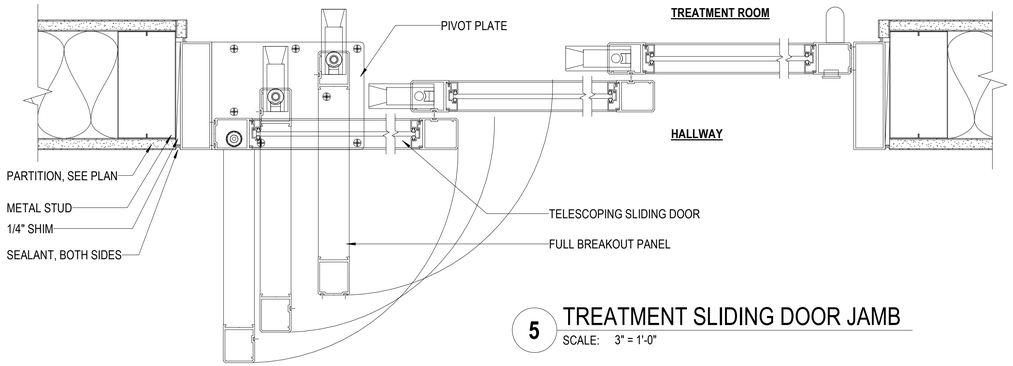
4 HM HEAD, W/ FURRING, (CONC) (JAMB, SIM)
SCALE: 3" = 1'-0"



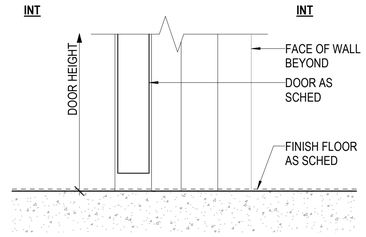
1 HM HEAD (PARTITION) (JAMB, SIM)
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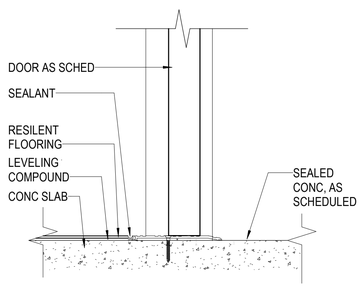
10 TREATMENT SLIDING DOOR THRESHOLD
SCALE: 3" = 1'-0"



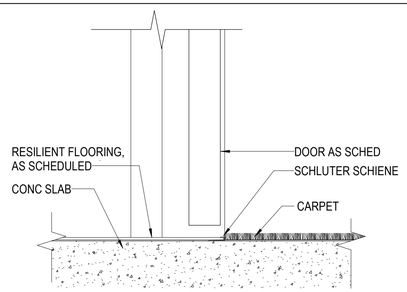
5 TREATMENT SLIDING DOOR JAMB
SCALE: 3" = 1'-0"



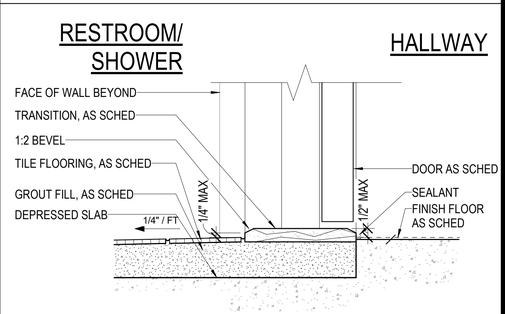
2 NO THRESHOLD
SCALE: 3" = 1'-0"



8 SILL CONC TO RF
SCALE: 3" = 1'-0"



6 SILL CPT TO RF
SCALE: 3" = 1'-0"



3 SILL, TILE TO RESILIENT FLOOR
SCALE: 3" = 1'-0"

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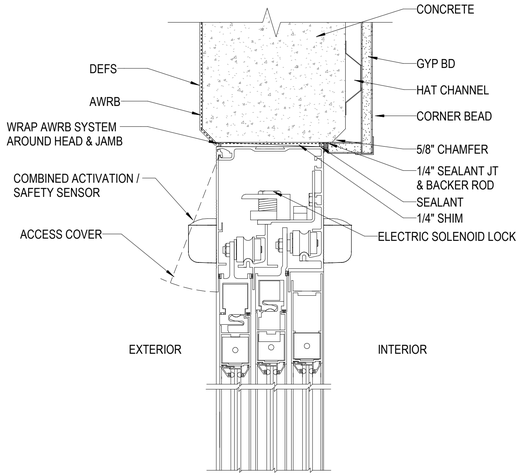
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DOOR DETAILS

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-702
SHEET ISSUE DATE: 2/27/26	

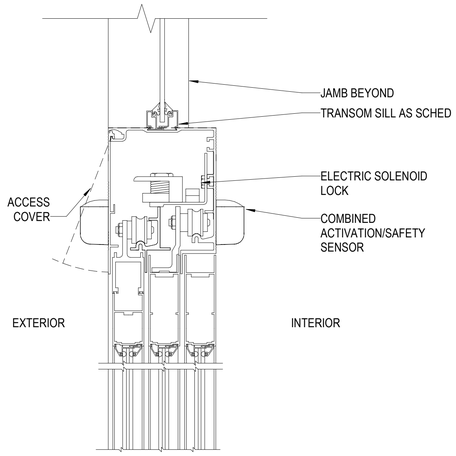
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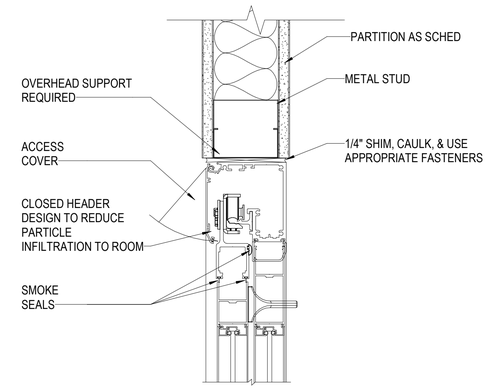
8 AMBULANCE ENTRY SLIDING DOOR HEAD

SCALE: 3" = 1'-0"



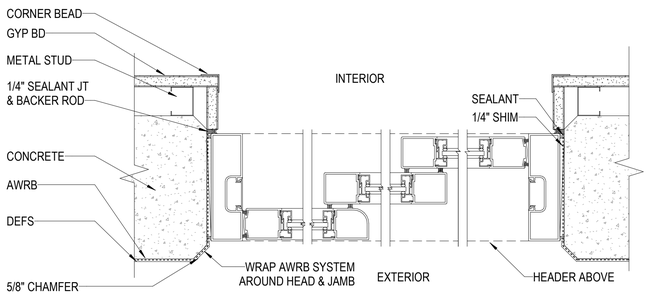
4 MAIN ENTRY SLIDING DOOR HEAD

SCALE: 3" = 1'-0"



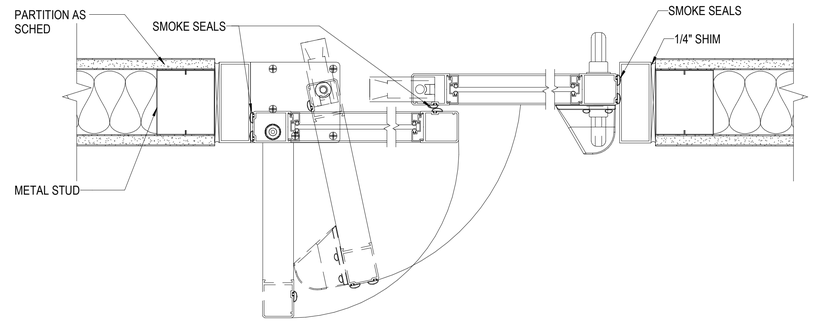
1 AII SLIDING DOOR HEAD

SCALE: 3" = 1'-0"



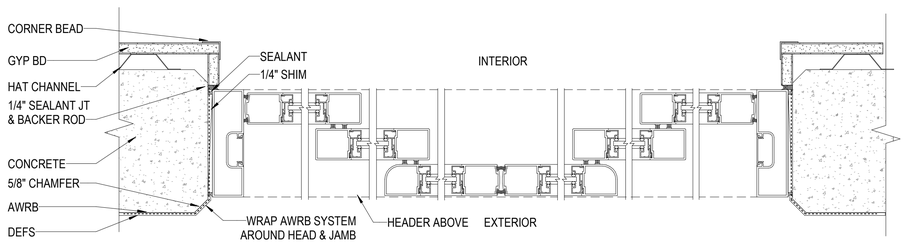
5 AMBULANCE ENTRY SLIDING DOOR JAMB

SCALE: 3" = 1'-0"



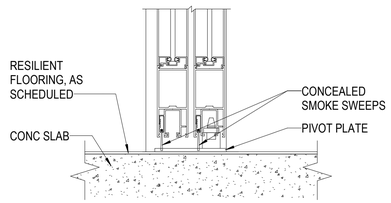
2 AII SLIDING DOOR JAMB

SCALE: 3" = 1'-0"



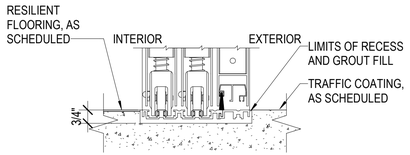
6 MAIN ENTRY SLIDING DOOR JAMB

SCALE: 3" = 1'-0"



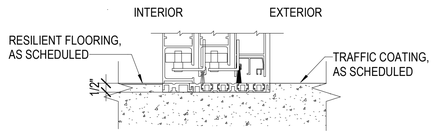
3 AII SLIDING DOOR THRESHOLD

SCALE: 3" = 1'-0"



9 AMBULANCE ENTRY SLIDING DOOR THRESHOLD

SCALE: 3" = 1'-0"



7 MAIN ENTRY SLIDING DOOR THRESHOLD

SCALE: 3" = 1'-0"

G70
111 S. KING STREET, SUITE 170
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808.523.5866
WWW.G70.DESIGN

REVISIONS

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2/27/2026

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SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

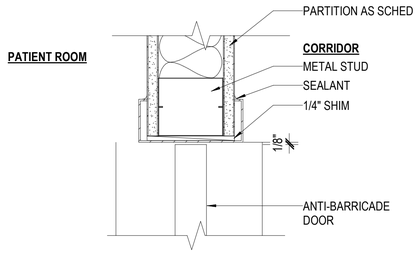
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DOOR DETAILS

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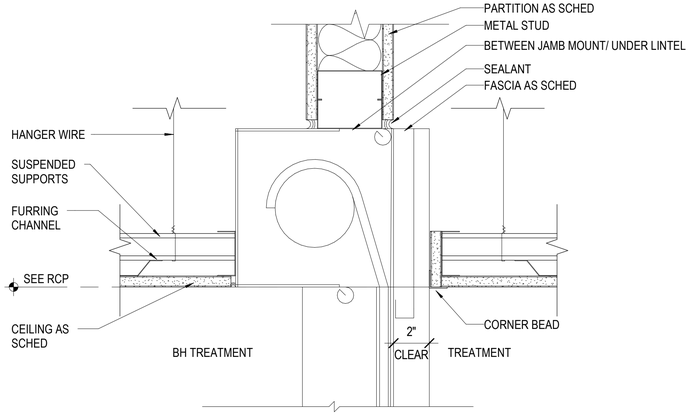
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PROJECT NO.	DRAWING NO.
225057-01	A-703
SHEET ISSUE DATE:	
2/27/26	

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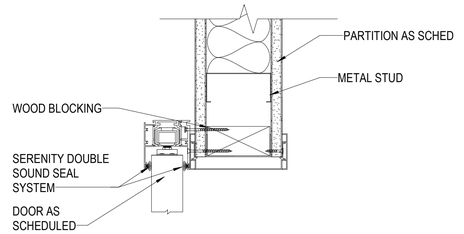
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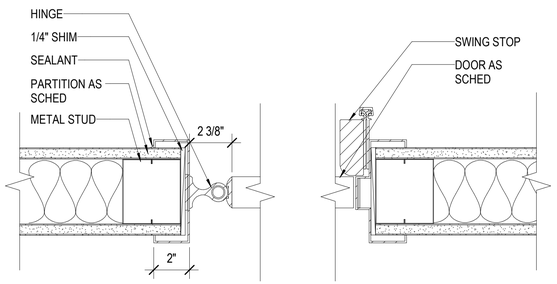
7 ANTI BARRICADE DOOR HEAD
SCALE: 3" = 1'-0"



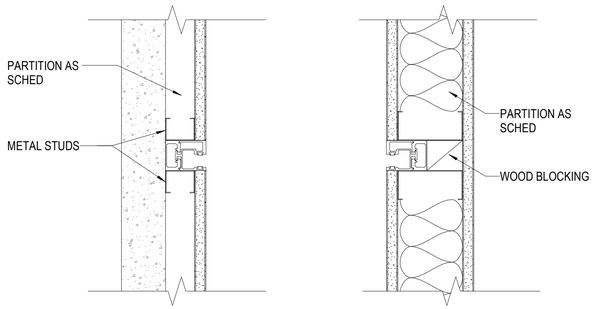
4 OVERHEAD DOOR HEAD
SCALE: 3" = 1'-0"



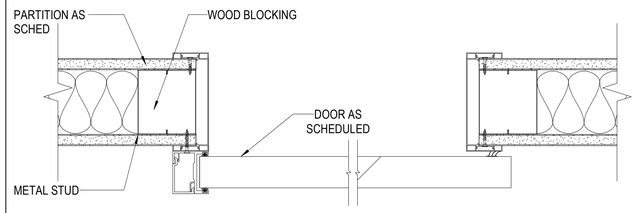
1 BARN DOOR HEAD
SCALE: 3" = 1'-0"



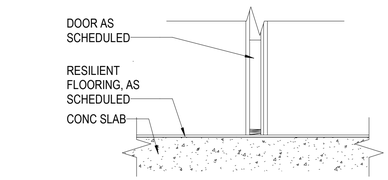
8 ANTI BARRICADE DOOR JAMB
SCALE: 3" = 1'-0"



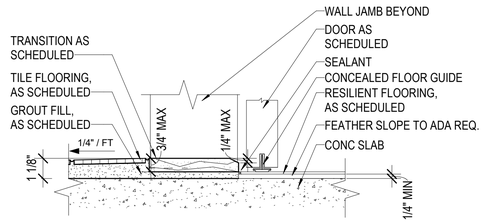
5 OVERHEAD DOOR JAMB
SCALE: 3" = 1'-0"



2 BARN DOOR JAMB
SCALE: 3" = 1'-0"



6 OVERHEAD DOOR THRESHOLD
SCALE: 3" = 1'-0"



3 BARN DOOR THRESHOLD
SCALE: 3" = 1'-0"

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TMK#: 4-6-014:113

FILENAME:
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DRAWING TITLE
DOOR DETAILS

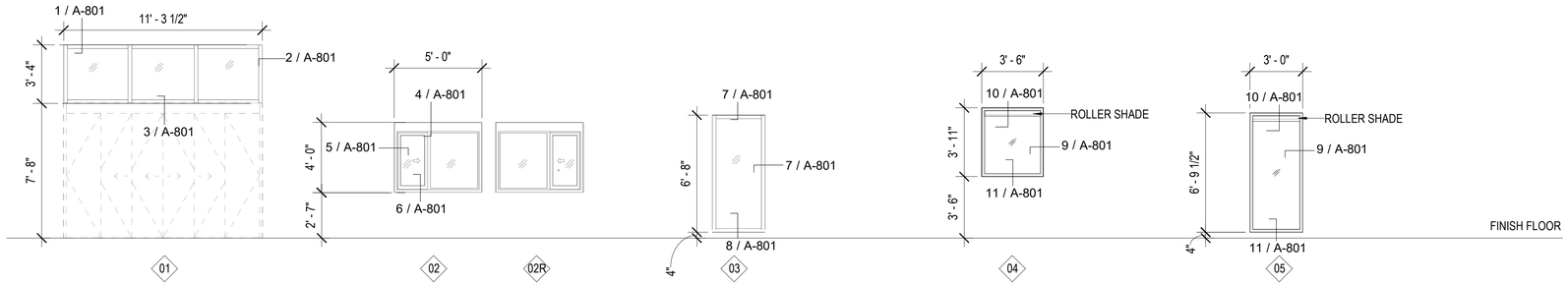
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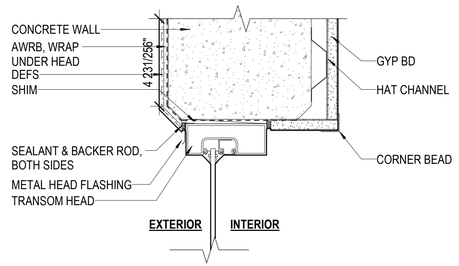
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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-704
SHEET ISSUE DATE: 2/27/26	

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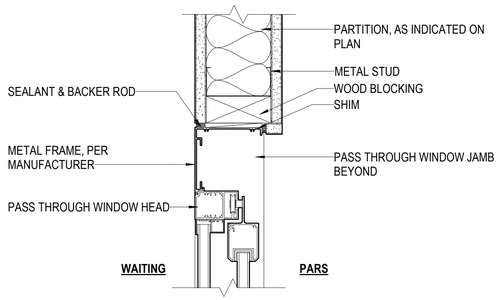
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WINDOW TYPES

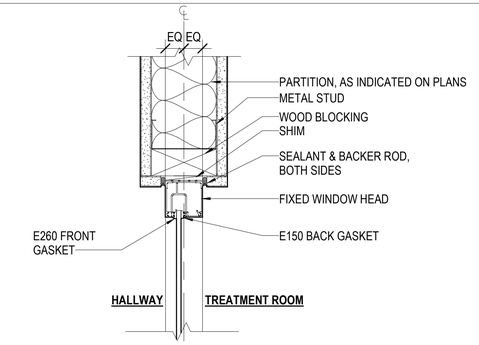




1 TRANSOM HEAD
SCALE: 3" = 1'-0"



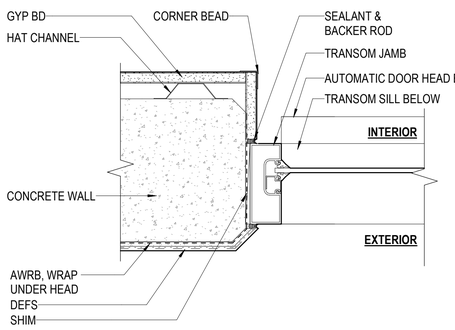
4 PASS THRU HEAD
SCALE: 3" = 1'-0"



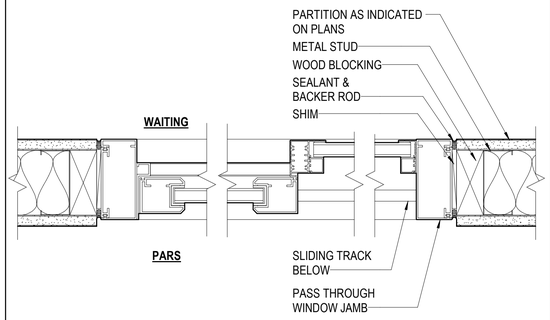
7 FIXED HEAD (JAMB SIM)
SCALE: 3" = 1'-0"

WINDOW & LOUVER NOTES

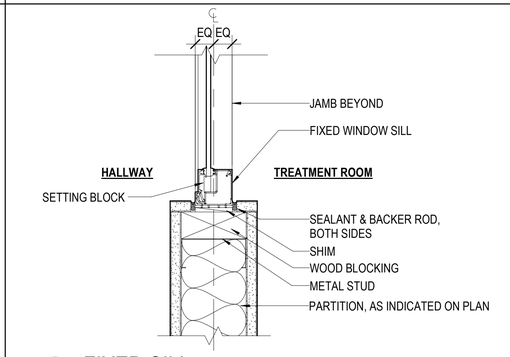
1. GLASS IS 1/4" THICK, UNLESS NOTED OTHERWISE. SEE REMARKS LIST.
2. GLAZING TYPES:
   AG - ACOUSTIC GLASS
   BR - SECURITY GLASS - BALLISTIC RESISTANT
   CVG - CERAMIC COATED VISION GLASS
   FE - SECURITY GLASS - FORCED ENTRY
   FG - FLOAT GLASS
   FR - FIRE RATED GLASS
   HR - HURRICANE RESISTANT GLASS
   HS - HEAT STRENGTHENED GLASS
   IG - INSULATED GLAZING
   LG - LAMINATED GLASS
   LL - LEAD GLASS FOR SHIELDED GLAZING
   MG - ONE WAY VISION GLASS
   SG - CERAMIC COATED SPANDREL GLASS
   TG - TEMPERED GLASS
   WG - WIRE GLASS
3. LOUVER TYPES:
   A - ACOUSTICAL
   AB - ADJUSTABLE BLADE
   DB - DRAINABLE BLADE
   SB - STANDARD BLADE
   SR - STORM RESISTANT
   SP - SIGHT PROOF
4. RATING:
   WINDOWS AND GLASS RATINGS AS APPLICABLE, ARE SHOWN IN MINUTES.
5. REMARKS:
   FOR SHIELDED WINDOW, ALL GLAZING AND FRAMES TO MEET PHYSICIST'S REPORT REQUIREMENTS.



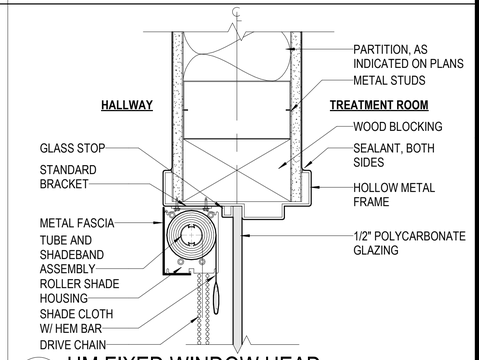
2 TRANSOM JAMB
SCALE: 3" = 1'-0"



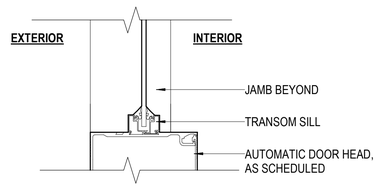
5 PASS THRU JAMB
SCALE: 3" = 1'-0"



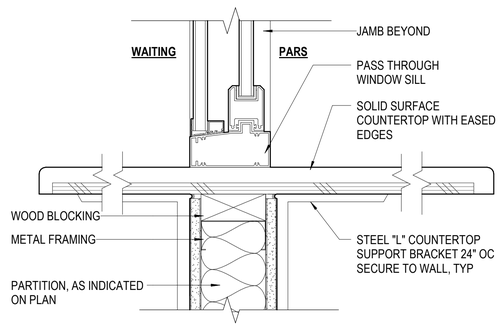
8 FIXED SILL
SCALE: 3" = 1'-0"



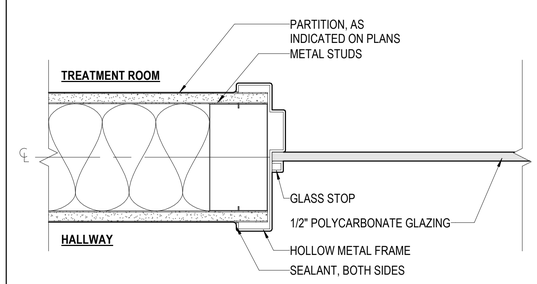
10 HM FIXED WINDOW HEAD
SCALE: 3" = 1'-0"



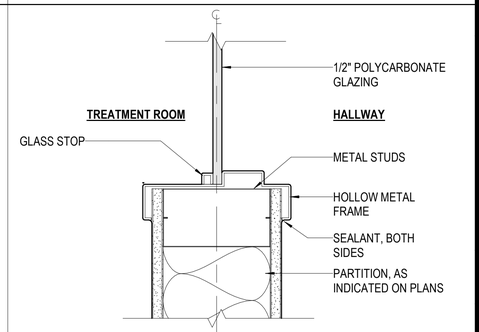
3 TRANSOM SILL
SCALE: 3" = 1'-0"



6 PASS THROUGH SILL
SCALE: 3" = 1'-0"



9 HM FIXED WINDOW JAMB
SCALE: 3" = 1'-0"



11 HM FIXED WINDOW SILL
SCALE: 3" = 1'-0"

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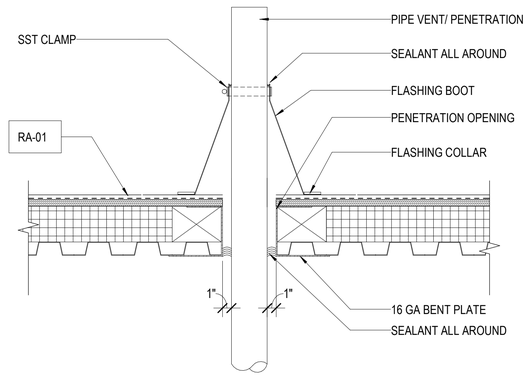
DRAWING TITLE
WINDOW & LOUVER TYPES & DETAILS

SCALE: As indicated

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225057-01	A-801
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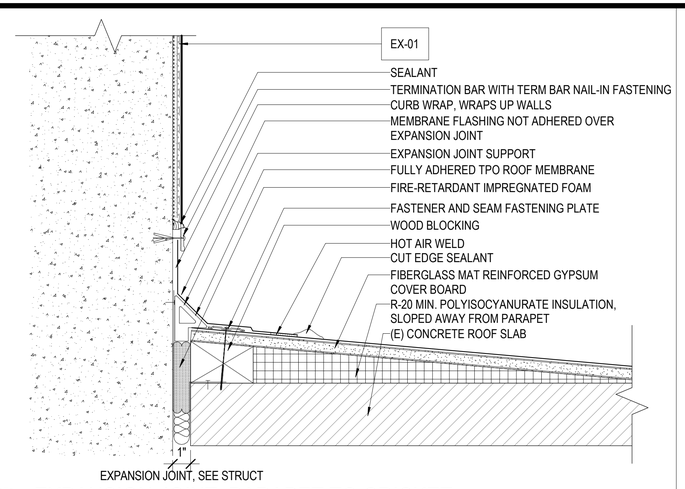
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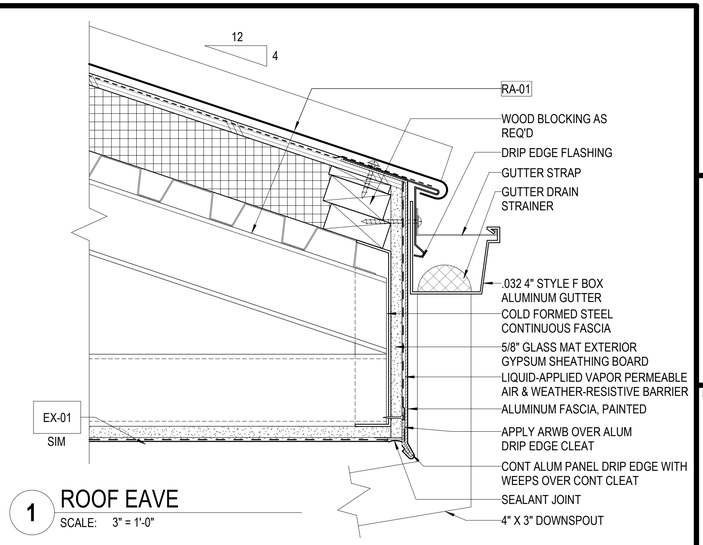
7 ROOF VTR SS

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



4 EXPANSION JOINT, PARAPET TO CRICKET

SCALE: 3" = 1'-0"



1 ROOF EAVE

SCALE: 3" = 1'-0"

8 TPO TO DEFS TRANSITION

SCALE: 3" = 1'-0"

5 TPO ROOF AT CANOPY

SCALE: 3" = 1'-0"

2 ROOF RIDGE

SCALE: 3" = 1'-0"

9 PATCH AT CRICKET

SCALE: 3" = 1'-0"

NOTES:

1. THIS DETAIL IS TO BE USED AT ROOFTOP EQUIPMENT DESIGNED TO REST ON A CURB.
2. THE ROOFTOP EQUIPMENT SHOULD NOT BE SET UNTIL ROOF MEMBRANE WRAPS TOP OF PREFABRICATED CURB.
3. ATTACHMENT OF ALL BLOCKING, CURBS & OTHER ROOF COMPONENTS SHALL BE DESIGNED AND INSTALLED PER ALL FMG CRITERIA AT MINIMUM.
4. COORDINATE TAPERED INSULATION SYSTEM / FLOW LINES OF SLOPED SUBSTRATE WITH CURBS SUCH THAT WATER FLOW IS DIRECTED AROUND THE UNIT AND POSITIVE DRAINAGE IS ACHIEVED IN ALL LOCATIONS.

6 EQUIPMENT CURB ON ROOF

SCALE: 3" = 1'-0"

3 ROOFING TRANSITION AT PARAPET / COPING

SCALE: 3" = 1'-0"

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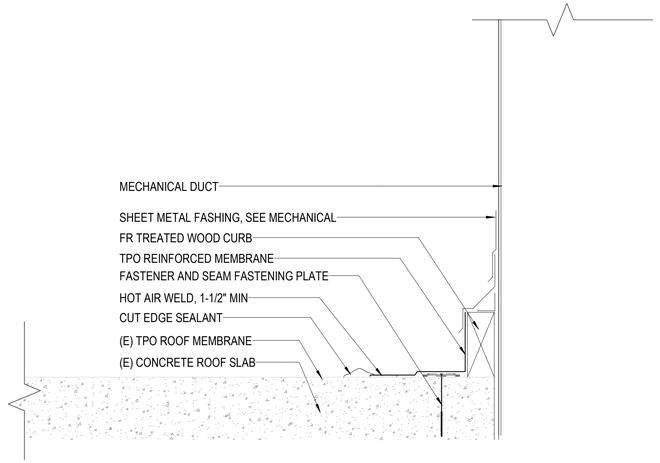
DRAWING TITLE
ROOF DETAILS

SCALE: As indicated

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PROJECT NO.	DRAWING NO.
225057-01	A-901
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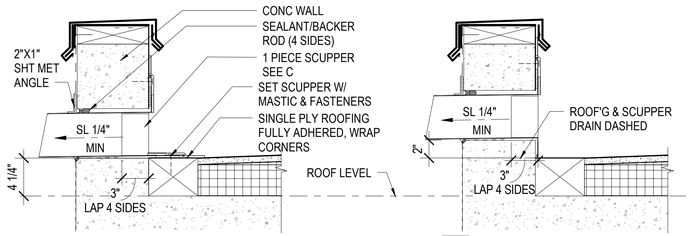
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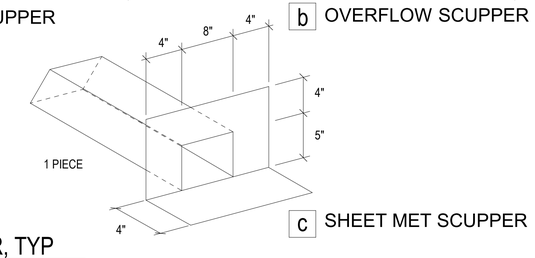
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6 ROOF DUCT PENETRATION, TYP

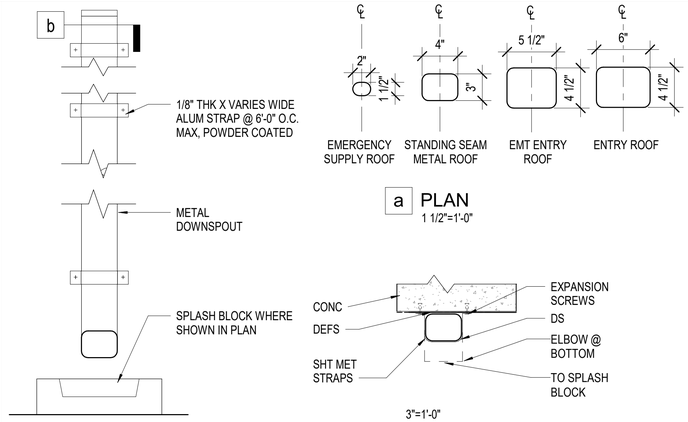
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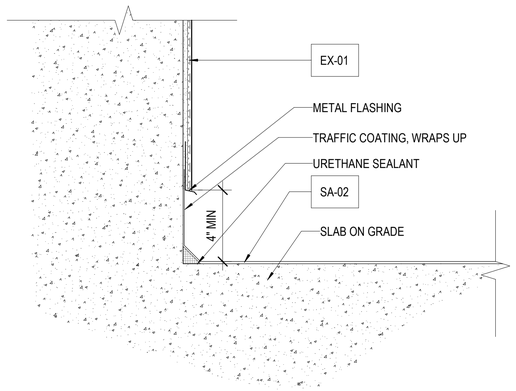
4 SCUPPER, TYP

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



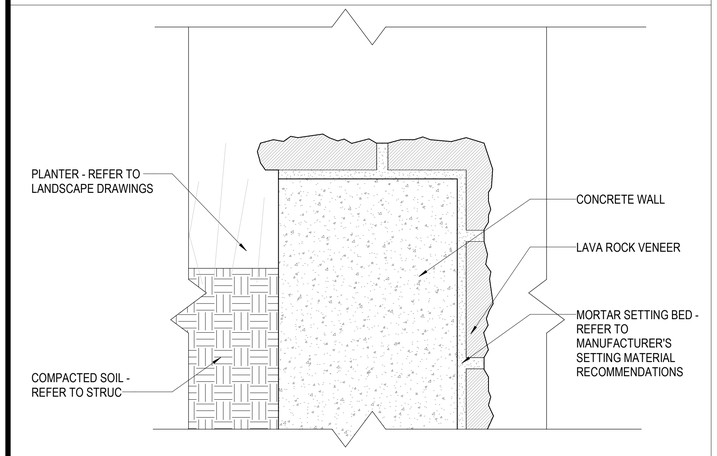
1 METAL DOWNSPOUT, TYP

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



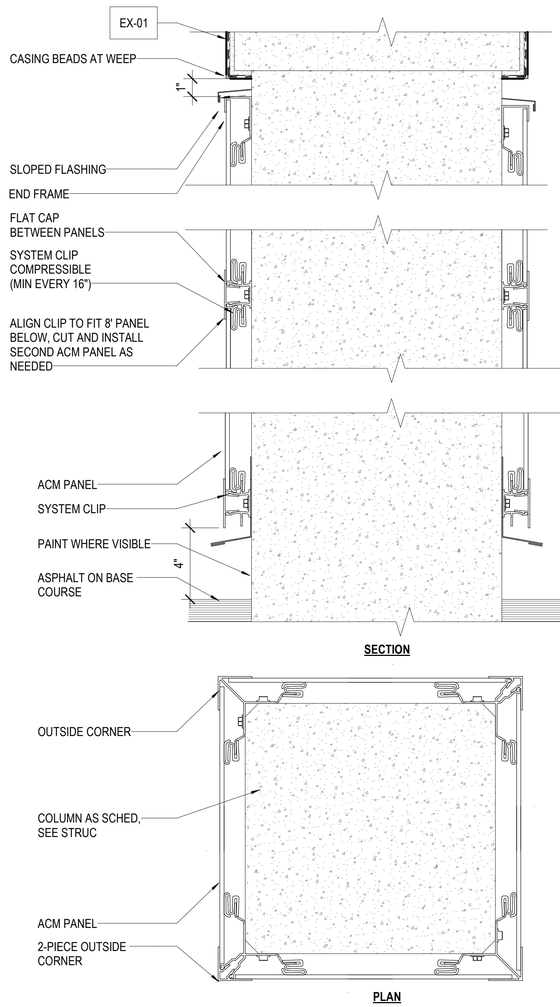
7 WALL AT TRAFFIC COATING, TYP

SCALE: 3" = 1'-0"



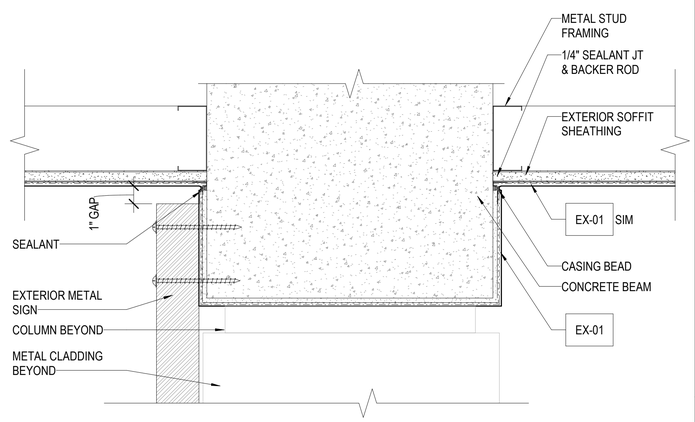
8 PLANTER TYP PLANTER WALL

SCALE: 3" = 1'-0"



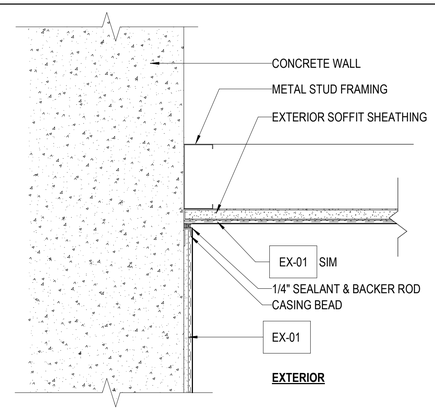
5 METAL PANEL AT CONC COLUMNS, TYP

SCALE: 3" = 1'-0"



2 EXTERIOR CONCRETE BEAM

SCALE: 3" = 1'-0"



3 EXTERIOR SOFFIT, TYP

SCALE: 3" = 1'-0"

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DRAWING TITLE
COLUMN/WALL DETAILS

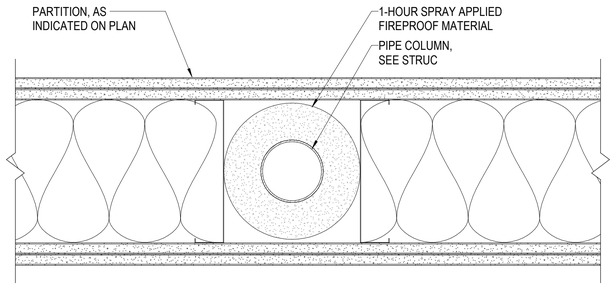
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Author	Checker

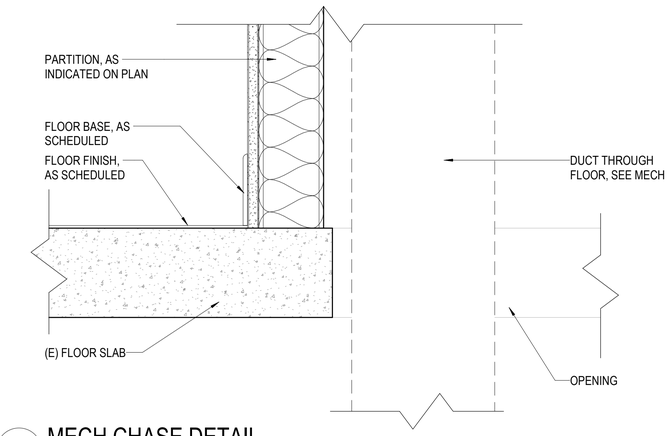
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SHEET ISSUE DATE: 2/27/26	

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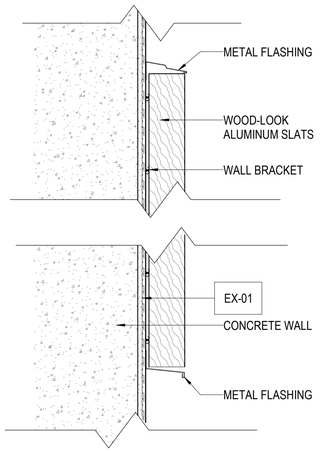
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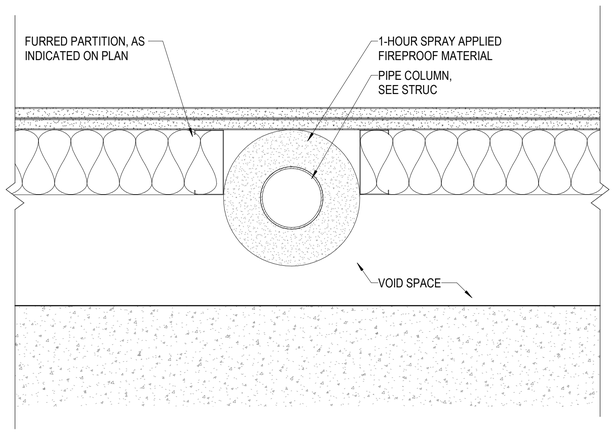
5 FIRE PROTECTED COLUMNS
SCALE: 3" = 1'-0"



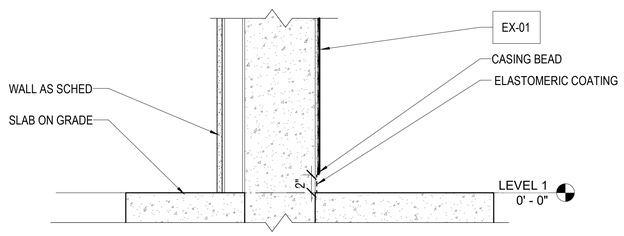
3 MECH CHASE DETAIL
SCALE: 3" = 1'-0"



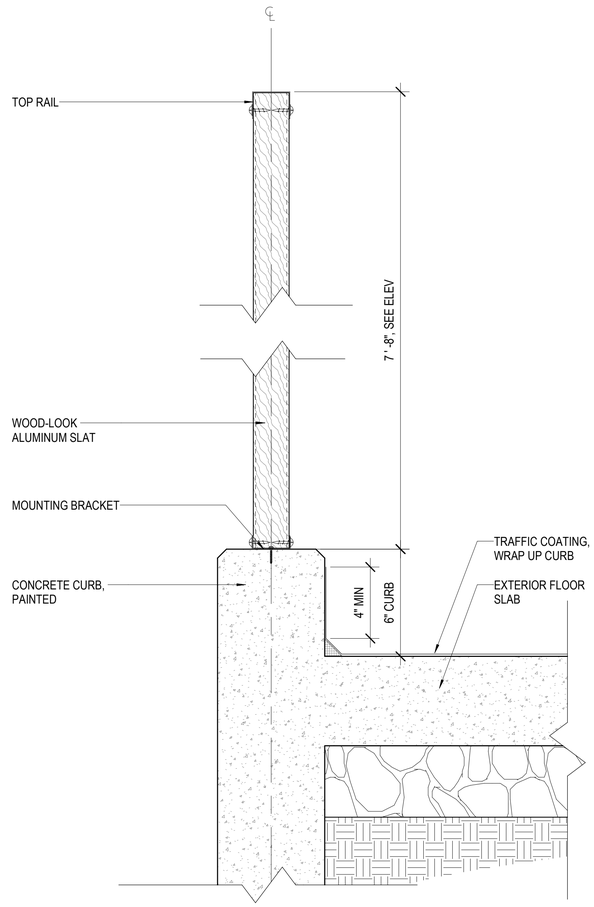
1 ALUMINUM SLAT ON CONCRETE WALL
SCALE: 3" = 1'-0"



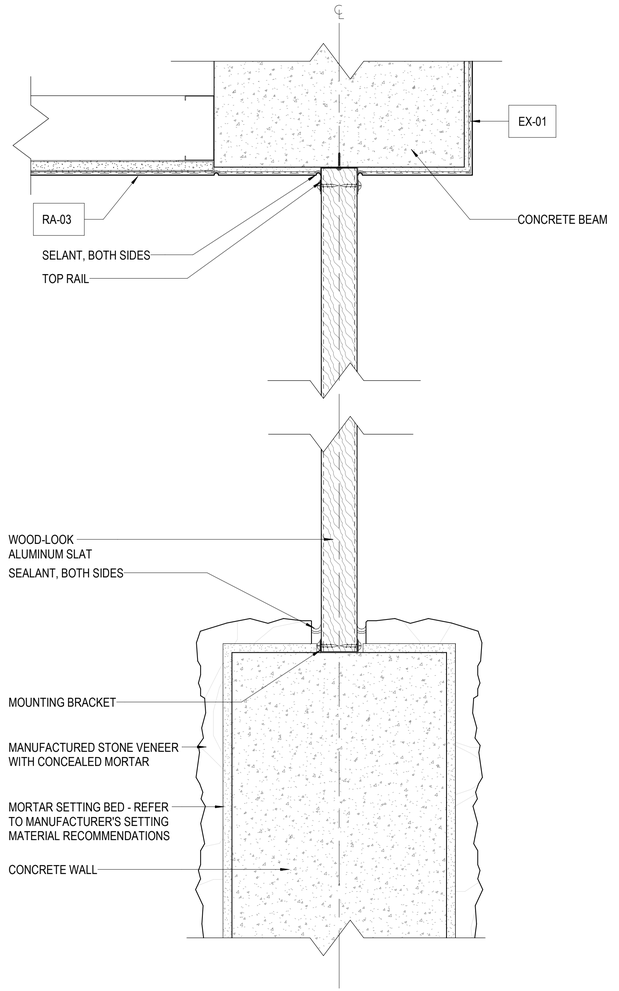
6 FIRE PROTECTED COLUMN IN FURRED WALL
SCALE: 3" = 1'-0"



7 TYP WALL DEFS TO ELASTOMERIC
SCALE: 1 1/2" = 1'-0"



4 ALUMINUM SLATS HORIZONTAL CONNECTION
SCALE: 3" = 1'-0"



2 ALUMINUM SLATS HORIZONTAL CONNECTION
SCALE: 3" = 1'-0"

G70
111 S. KING STREET, SUITE 170
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808.523.5866
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REVISIONS

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2/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

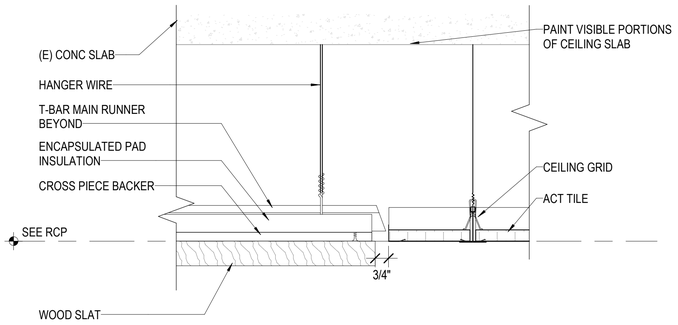
DRAWING TITLE
WALL DETAILS

SCALE: As indicated

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PROJECT NO.	DRAWING NO.
225057-01	A-903
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2/27/26	

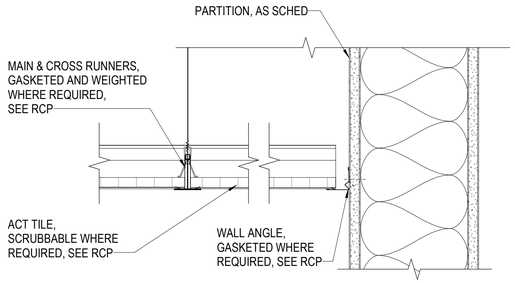
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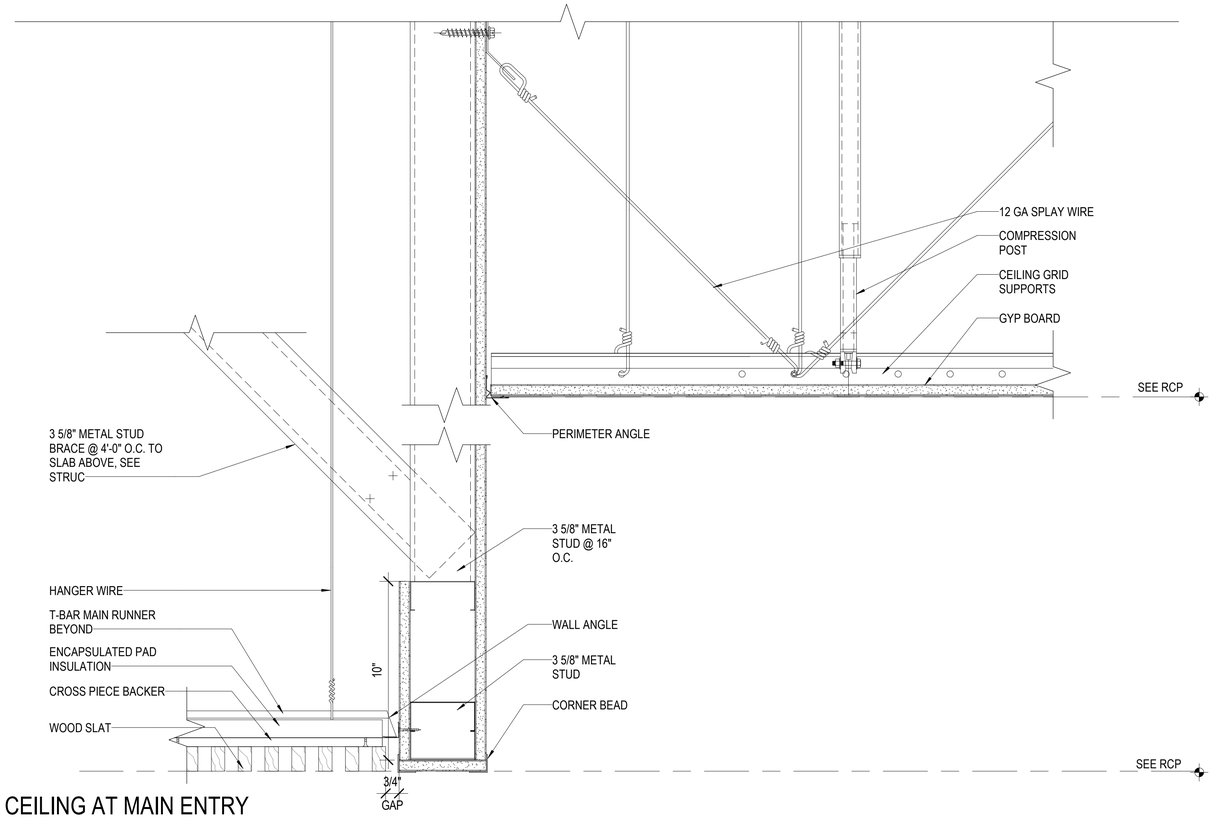
4 WOOD SLAT CEILING TO ACT

SCALE: 3" = 1'-0"



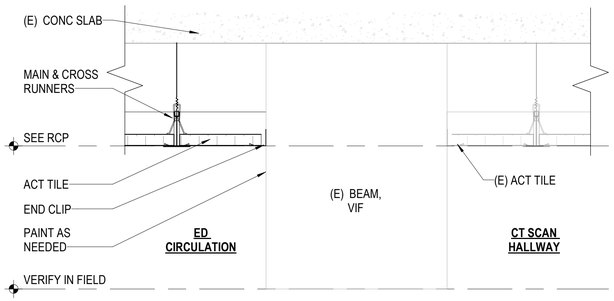
5 TYP ACT PERIMETER ANGLE

SCALE: 3" = 1'-0"



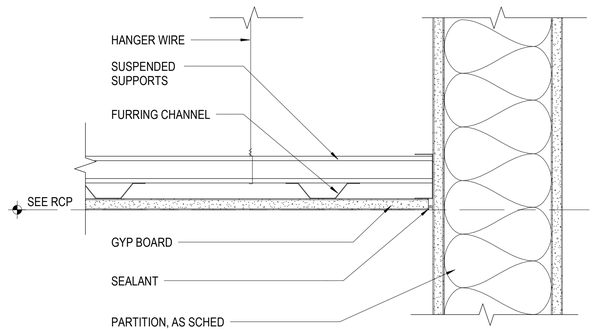
1 CEILING AT MAIN ENTRY

SCALE: 3" = 1'-0"



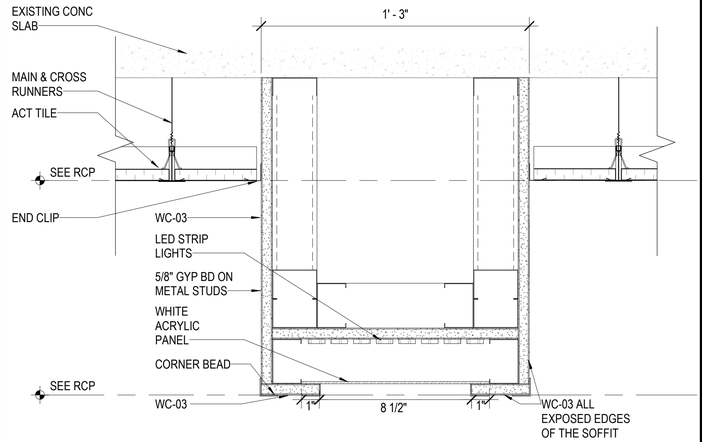
6 GYP BD SOFFIT AT CT RENOVATION CONNECTION

SCALE: 3" = 1'-0"



3 TYP GYP BD CEILING

SCALE: 3" = 1'-0"



2 GYP BOARD SOFFIT AT NURSES STATION

SCALE: 3" = 1'-0"

G70

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

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DRAWING TITLE

CEILING DETAILS

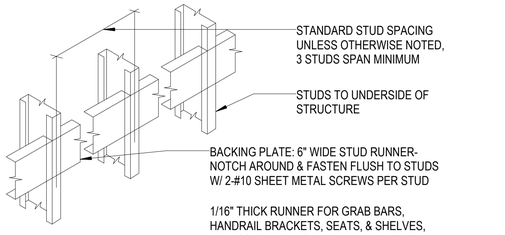
SCALE: 3" = 1'-0"

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-904
SHEET ISSUE DATE: 2/27/26	

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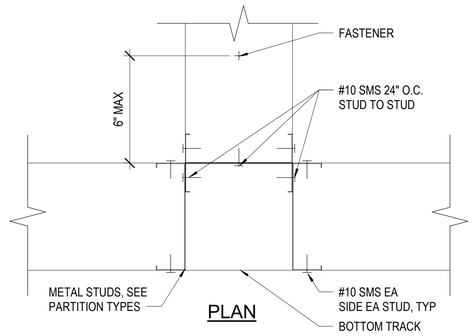
3/9/2026 4:11:35 PM

NOTE: PROVIDE BACKING PLATE PER DETAIL 14/A1-931 OR PER MANUFACTURERS RECOMMENDATIONS
AT ALL LOCATIONS WHICH REQUIRE ADDITIONAL SUPPORT - DECISION SHALL MAINTAIN ALL CODE COMPLIANCE

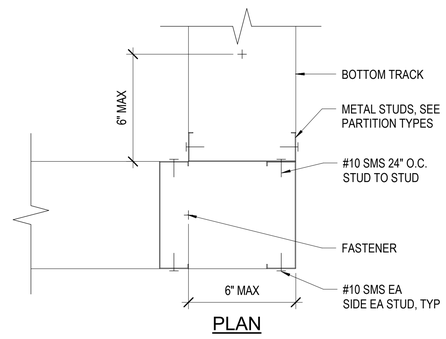


NOTE:
FINAL LIGHT GAUGE
FRAMING DESIGN BY
DELEGATED ENGINEER

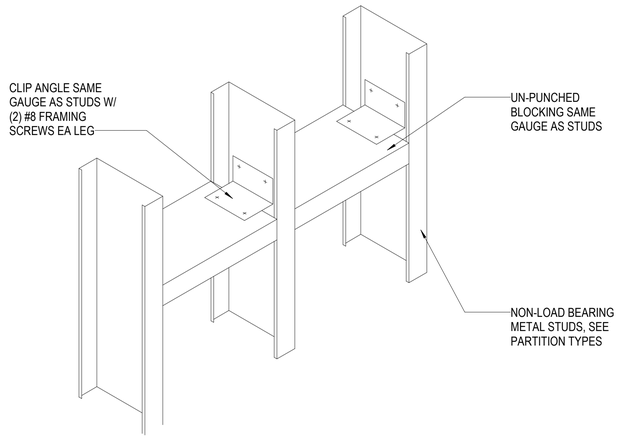
6 TYP BACKING PLATE
SCALE: 3" = 1'-0"



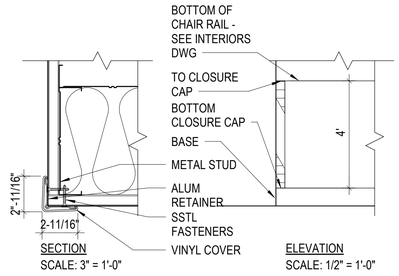
4 INTERSECTION OF STUDS "T"
SCALE: 3" = 1'-0"



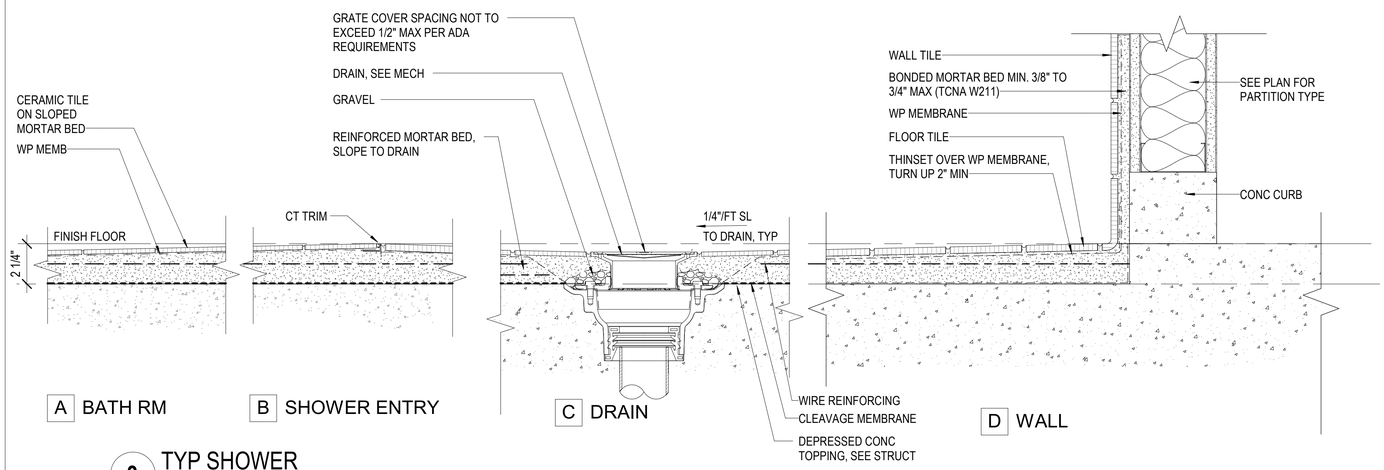
1 INTERSECTION OF STUDS "L"
SCALE: 3" = 1'-0"



5 BLOCKING
SCALE: 3" = 1'-0"



2 CORNER GUARD @ GYP WALLS
SCALE: 3" = 1'-0"



3 TYP SHOWER
SCALE: 3" = 1'-0"

111 S. KING STREET, SUITE 170
HONOLULU, HAWAII 96813
808.523.5866
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TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

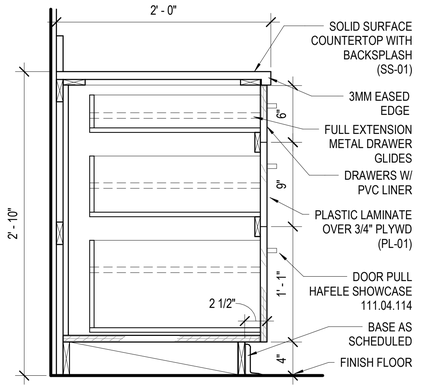
DRAWING TITLE
INTERIOR DETAILS

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PROJECT NO.	DRAWING NO.
225057-01	A-905
SHEET ISSUE DATE:	
2/27/26	

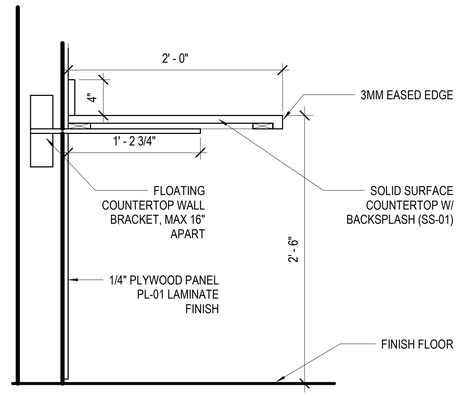
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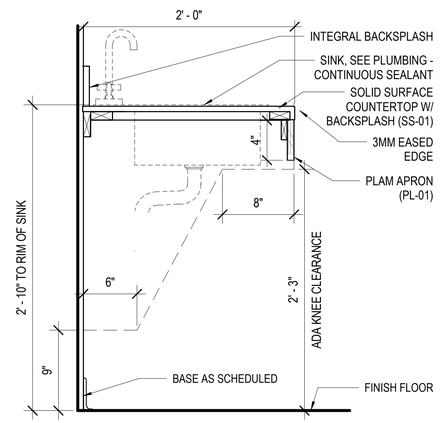
7 TYPICAL BASE CABINET WITH DRAWERS

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



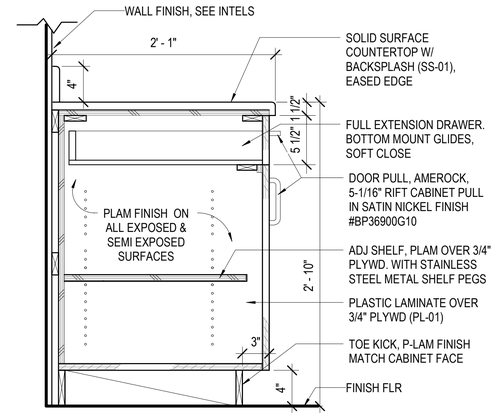
5 TYPICAL SOLID SURFACE COUNTER WITH METAL SUPPORT

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



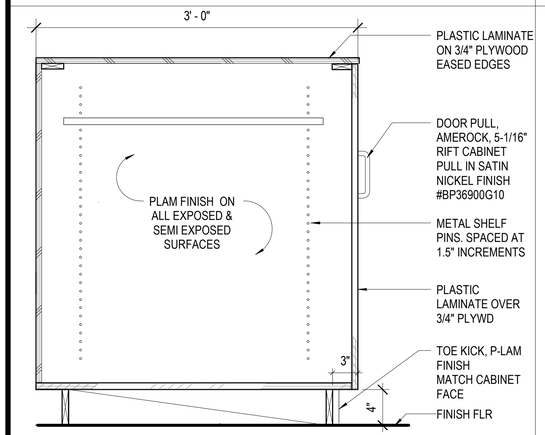
3 TYPICAL COUNTER WITH SINK

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



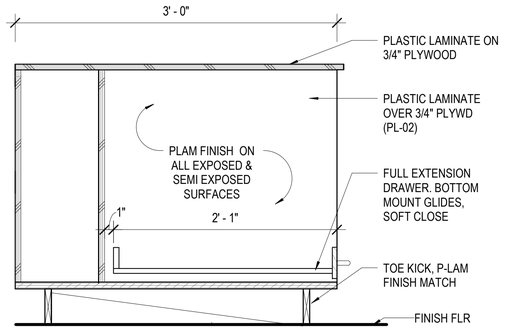
1 TYP BASE CABINET - DOOR + DRAWER

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



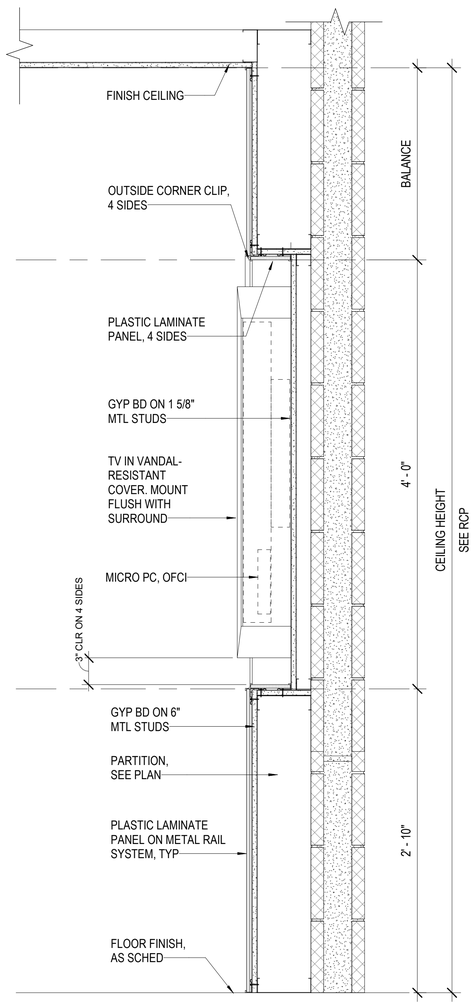
8 BASE CABINET - DOOR AT NURSE STATION

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



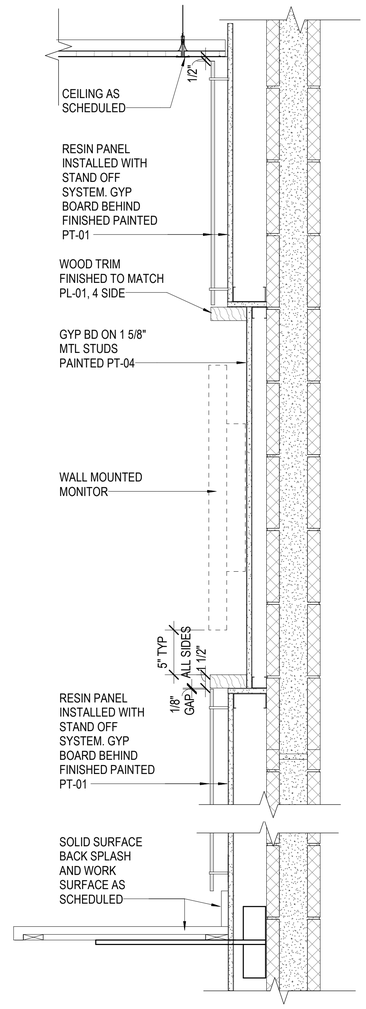
9 BASE CABINET - OPEN AT NURSE STATION

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



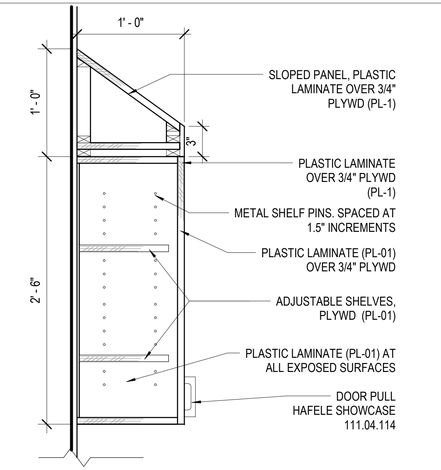
6 SECURITY TV SHROUD

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



4 NURSE STATION BACK WALL

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



2 TYPICAL UPPER CABINET WITH SLOPED TOP

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

2' 1' 0' 2' 4'

G70

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_A24.rvt

DRAWING TITLE
MILLWORK DETAILS

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

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Author	Checker
PROJECT NO.	DRAWING NO.
225057-01	A-906
SHEET ISSUE DATE:	
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STRUCTURAL GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK. ALL DISCREPANCIES SHALL BE PROMPTLY REPORTED TO THE ENGINEER.
2. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3. ALL WORK SHALL CONFORM TO THE IBC 2018 AS AMENDED AND ADOPTED BY THE COUNTY OF KAUAI.
4. UNLESS SPECIFICALLY DETAILED ELSEWHERE, CONTRACTOR SHALL FOLLOW TYPICAL DETAILS ON SHEETS S003 THROUGH S007.
5. WHERE CONDITIONS HAVE NOT BEEN SPECIFICALLY INDICATED BUT ARE SIMILAR TO DETAILS SHOWN ON SHEETS S003 THROUGH S007, MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
6. STRUCTURAL DRAWINGS WHERE INDICATED HAVE BEEN DRAWN TO APPROXIMATE SCALE. UNLESS DRAWING SPECIFICALLY PROVIDES A DIMENSION, THE CONTRACTOR SHALL NOT USE OR SCALE STRUCTURAL DRAWINGS TO DETERMINE DIMENSIONS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING FOR ALL STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

FOUNDATION NOTES:

1. THE FOUNDATION DESIGN IS BASED ON THE REPORT TITLED "GEOTECHNICAL ENGINEERING EXPLORATION, SMMH PHASE 1A BEHAVIORAL HEALTH NEW PATIENT FACILITY, KAPAA, KAUAI, HAWAII, DATED DECEMBER 10, 2021, AND PREPARED BY KOKUA GEOTECH LLC. THE NOTES STATED BELOW APPLY TO THE WORK SHOWN ON THE STRUCTURAL DRAWINGS.
2. RELATIVE COMPACTION, IN THESE NOTES, SHALL REFER TO THE IN-PLACE DRY DENSITY OF SOIL EXPRESSED AS A PERCENTAGE OF THE MAXIMUM DRY DENSITY OF THE SAME SOIL ESTABLISHED IN ACCORDANCE WITH ASTM D 1557. OPTIMUM MOISTURE IS THE WATER CONTENT (PERCENTAGE BY DRY WEIGHT) CORRESPONDING TO THE MAXIMUM DRY DENSITY.
3. THE PROJECT SITE SHALL BE CLEARED OF ALL VEGETATION, INCLUDING LARGE ROOTS, DEBRIS AND OTHER DELETERIOUS MATERIAL, EXISTING STOCKPILED SOILS AND OTHER UNSUITABLE MATERIALS. REMOVE AND DISPOSE OF THE DELETERIOUS MATERIAL AND STOCKPILED SOILS PROPERLY OFF-SITE.
4. ONSITE CLAYEY SOIL IS EXPANSIVE AND MUST NOT BE USED FOR STRUCTURAL FILL BELOW THE FOUNDATIONS AND SLABS-ON-GRADE. ONSITE CLAYEY SOIL MUST NOT BE USED FOR BACKFILL BEHIND RETAINING WALLS.
5. IMPORTED STRUCTURAL FILL SHALL BE WELL-GRADED, NON-EXPANSIVE GRANULAR MATERIAL, SUCH AS CRUSHED CORAL OR BASALT, HAVING A MAXIMUM PARTICLE SIZE OF 3 INCHES. BETWEEN 10 AND 30 PERCENT OF SOIL BY WEIGHT MUST PASS THE #200 SIEVE. IMPORTED STRUCTURAL FILL MUST HAVE A CBR VALUE OF 20 OR HIGHER AND A SWELL POTENTIAL OF 1 PERCENT OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM D1883.
6. PRIOR TO PLACEMENT OF STRUCTURAL FILL, THE EXCAVATIONS MUST BE REVIEWED BY THE PROJECT GEOTECHNICAL ENGINEER TO CONFIRM THE MATERIAL IS AS EXPECTED. THE PROJECT GEOTECHNICAL ENGINEER MUST ALSO APPROVE THE IMPORTED STRUCTURAL FILL PRIOR TO BRINGING THE MATERIAL TO THE JOBSITE.
7. IN AREAS REQUIRING PLACEMENT OF STRUCTURAL FILL, SCARIFY THE EXPOSED SUBGRADE TO A DEPTH OF AT LEAST 10 INCHES. THEN MOISTURE CONDITION THE SOIL ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACT TO A MINIMUM 90 PERCENT RELATIVE COMPACTION.
8. IF COBBLES OR BOULDERS ARE EXPOSED AT THE BOTTOM OF OVER-EXCAVATIONS, THEY MUST BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL. SOFT AND YIELDING AREAS MUST BE OVER-EXCAVATED TO EXPOSE UNDERLYING FIRM MATERIAL AND REPLACED WITH COMPACTED STRUCTURAL FILL.
9. ON-SITE SOILS MAY BE USED FOR GENERAL FILL MATERIAL PROVIDED THEY ARE FREE OF VEGETATION, DELETERIOUS MATERIALS AND ROCK FRAGMENTS GREATER THAN 3 INCHES IN MAXIMUM DIMENSION. GENERAL FILL MUST NOT BE USED UNDER THE FOUNDATIONS , SLABS-ON-GRADE, OR AS BACKFILL BEHIND RETAINING WALLS.
10. GENERAL FILL MATERIAL MUST BE MOISTURE CONDITIONED TO AT LEAST 2% ABOVE OPTIMUM MOISTURE CONTENT AND NON-EXPANSIVE STRUCTURAL FILL MATERIAL SHALL BE MOISTURE CONDITIONED ABOVE OPTIMUM MOISTURE CONTENT. FILL MATERIALS SHALL BE PLACED IN HORIZONTAL LIFTS NO GREATER THAN 8 INCHES LOOSE THICKNESS AND COMPACTED TO 90 PERCENT RELATIVE COMPACTION. NON-EXPANSIVE STRUCTURAL FILL MATERIAL SHALL BE MOISTURE CONDITIONED ABOVE OPTIMUM MOISTURE CONTENT, PLACED IN HORIZONTAL LIFTS NO GREATER THAN 8 INCHES LOOSE THICKNESS
11. FOOTINGS MUST BE UNDERLAIN BY 12 INCHES OF IMPORTED STRUCTURAL FILL. THE IMPORTED STRUCTURAL FILL MUST EXTEND LATERALLY AT LEAST 12 INCHES BEYOND THE EDGE OF THE FOOTING. THE BOTTOM OF OVER-EXCAVATED FOOTING SUBGRADES MUST BE SCARIFIED AND RECOMPACTED THOROUGHLY PRIOR TO PLACEMENT OF STRUCTURAL FILL MATERIAL. PRIOR TO PLACEMENT OF FOUNDATION REINFORCING STEEL, BOTTOM OF FOOTING EXCAVATIONS MUST BE CLEANED OF LOOSE MATERIAL AND INSPECTED BY GEOTECHNICAL SPECIAL INSPECTOR.
12. BUILDING FOOTINGS MUST BE EMBEDDED A MINIMUM OF 24 INCHES BELOW THE ADJACENT FINISH GRADE. STEP BOTTOM OF CONTINUOUS WALL FOOTINGS WHERE REQUIRED TO MAINTAIN THE MINIMUM EMBEDMENT. FOR SLOPING GROUND CONDITIONS, THE FOOTINGS MUST EXTEND DEEPER TO OBTAIN A MINIMUM 6-FOOT SETBACK DISTANCE MEASURED HORIZONTALLY FROM THE OUTSIDE EDGE OF THE FOOTING TO THE FACE OF THE SLOPE. LOOSE FILL MATERIAL OR TOP SOIL ON THE SLOPE FACE MUST NOT BE INCLUDED WHEN DETERMINING THE EXTENT OF LATERAL COVER.
13. BUILDING SLABS-ON-GRADE MUST BE UNDERLAIN BY A MINIMUM OF 12 INCHES OF IMPORTED STRUCTURAL FILL. AT INTERIOR SLABS, THE UPPER 4 INCHES OF THE STRUCTURAL FILL MUST CONSIST OF CLEAN #3 FINE GRAVEL (ASTM C33, NO. 67). COMPACT THE #3 FINE GRAVEL CUSHION FILL TO A LEVEL SURFACE USING A VIBRATORY COMPACTOR. AT EXTERIOR SLABS, THE UPPER 6 INCHES OF STRUCTURAL FILL MUST BE AGGREGATE BASE COURSE. COMPACT THE AGGREGATE BASE COURSE TO A MINIMUM 95 PERCENT RELATIVE COMPACTION.
14. SPECIAL INSPECTION OF THE PLACEMENT AND COMPACTION OF STRUCTURAL FILL IS REQUIRED. STRUCTURAL FILL MUST ONLY BE PLACED AND COMPACTED WITH THE SPECIAL INSPECTOR PRESENT. KOKUA GEOTECH, LLC IS THE OFFICE RESPONSIBLE FOR SPECIAL INSPECTIONS FOR THE EARTHWORK.
15. GEOTECHNICAL DESIGN PARAMETERS:
    - A. ALLOWABLE BEARING PRESSURE ..... 2,500 PSF
      INCLUDING WIND OR EARTHQUAKE FORCES ..... 3,333 PSF
    - B. PASSIVE EARTH PRESSURE ..... 300 PSF/FT (3,000 PSF MAX)
    - C. COEFFICIENT OF STATIC FRICTION 0.4
    - D. ACTIVE EARTH PRESSURE (EQUIVALENT FLUID PRESSURE)
      LEVEL BACKFILL ..... 40 PCF
      SLOPING BACKFILL ..... 45 PCF
    - E. AT-REST EARTH PRESSURE (EQUIVALENT FLUID PRESSURE)
      LEVEL BACKFILL ..... 60 PCF
      SLOPING BACKFILL ..... 64 PCF
    - F. SEISMIC SITE CLASS ..... D - DEFAULT

REINFORCING STEEL:

1. UNLESS OTHERWISE INDICATED ON PLANS AND/OR SCHEDULE, ALL REINFORCING STEEL SHALL BE HIGH STRENGTH GRADE DEFORMED BARS WHICH SHALL CONFORM TO THE STANDARD SPECIFICATION OF ASTM A615 GRADE 60. ALL REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60.
2. LOW HYDROGEN WELDING RODS SHALL BE USED FOR ALL WELDING TO REINFORCING BARS.
3. REINFORCING SHALL BE SPLICED ONLY AS SHOWN OR NOTED. SPLICES AT OTHER LOCATIONS SHALL BE MADE AWAY FROM POINTS OF MAXIMUM STRESS AND APPROVED BY THE ENGINEER. SEE DETAILS FOR "LAP SPLICES".
4. BARS NOTED AS "CONT", VERTICAL AND HORIZONTAL WALL REINFORCING, AND COLUMN REINFORCING SHALL HAVE A MINIMUM SPLICE EQUAL TO 48 BAR DIAMETERS BUT NOT LESS THAN 24 INCHES.
5. PROVIDE DOWELS IN FOOTINGS THE SAME SIZE AND NUMBER AND IN THE SAME LOCATION AS VERTICAL COLUMN AND WALL REINFORCING. DOWELS SHALL HAVE A MINIMUM PROJECTION EQUAL TO 48 BAR DIAMETERS BUT NOT LESS THAN 24 INCHES.
6. ALL REINFORCING STEEL, ANCHOR BOLTS AND OTHER INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.
7. MINIMUM CONCRETE PROTECTION FOR REINFORCING STEEL UNLESS OTHERWISE SHOWN:
   CONCRETE CAST AGAINST EARTH (EXCEPT SLAB ON GRADE) ..... 3"
   FORMED CONCRETE SURFACE EXPOSED TO EARTH OR WEATHER ..... 2"
   CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH EARTH:
   SLABS ..... 3/4"
   WALLS ..... 3/4"
   BEAMS AND COLUMNS ..... 1 1/2"
   CONCRETE COVER TOLERANCE SHALL BE AS FOLLOWS:
   FORMED SOFFITS OR MEMBERS 4" OR LESS IN THICKNESS ..... +3/8", -1/4"
   MEMBERS 12" THICK OR LESS ..... ± 3/8"
   MEMBERS GREATER THAN 12" THICK ..... ±1/2"
   FOR ALL CASES, THE COVER SHALL NOT BE LESS THAN 1/3 OF WHAT IS INDICATED AND REQUIRED BY THE DRAWINGS AND SPECIFICATIONS.

CONCRETE:

1. CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO ACI 301.
2. SLEEVES EXCEEDING ONE-THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPE MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN.
3. SECURE ALL BOLTS, ANCHORS, INSERTS, ETC. AND VERIFY ALL GROOVES, SLOTS, AND FINISHES PRIOR TO PLACING CONCRETE.
4. VERIFY LOCATIONS AND DIMENSIONS OF SLOTS, ANCHORS, DUCTS, ETC., RELATING TO MECHANICAL, ELECTRICAL AND ARCHITECTURAL WORK BEFORE CONCRETE PLACEMENT.
5. CONCRETE WORK SHALL BE THOROUGHLY CONSOLIDATED DURING PLACEMENT USING A MECHANICAL VIBRATOR. CONCRETE SHALL BE CURED FOR A PERIOD OF NOT LESS THAN 7 DAYS.
6. LOCATIONS OF ALL CONSTRUCTION OR COLD JOINTS SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.
7. 48 HOURS PRIOR TO THE POURING OF ANY STRUCTURAL CONCRETE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO AN INSPECTION CAN BE MADE OF ALL FORMS AND REINFORCING STEEL.
8. SPECIFIED 28-DAY COMPRESSIVE STRENGTH, MAXIMUM AGGREGATE SIZE, AND MAXIMUM WATER-CEMENTITIOUS MATERIAL RATIO (W/CM) OF CONCRETE SHALL BE AS FOLLOWS:

	STRENGTH (PSI)	MAX AGGREGATE	W/CM RATIO
SLAB-ON-GRADE	4,500	1 1/2"	0.45
FOOTINGS AND GRADE BEAMS	4,000	1 1/2"	0.50
BEAMS AND COLUMNS	4,000	3/4"	0.50
WALLS AND SLABS	4,000	3/4"	0.50

CONCRETE MASONRY (CMU):

1. MASONRY MATERIALS AND CONSTRUCTION SHALL CONFORM TO TMS 602-16 "SPECIFICATION FOR MASONRY STRUCTURES" EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
2. CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT HOLLOW LOAD-BEARING UNITS CONFORMING TO ASTM C90.
3. MASONRY MORTAR SHALL BE TYPE "M", CONFORMING TO THE PROPORTION SPECIFICATIONS OF ASTM C270.
4. GROUT SHALL BE READY-MIX GROUT CONFORMING TO ASTM C476, COURSE, AND HAVE A MINIMUM STRENGTH OF 3,000 PSI IN 28-DAYS, AS TESTED IN ACCORDANCE WITH ASTM C1019. GROUT SLUMP SHALL BE BETWEEN 8 AND 11 INCHES.
5. SPECIFIED COMPRESSIVE STRENGTH OF MASONRY: f'm = 2,000 PSI DETERMINED BY THE UNIT STRENGTH METHOD.
6. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60. UNLESS OTHERWISE NOTED, LENGTH OF LAP FOR LAP SPLICES IN MASONRY SHALL BE AS SCHEDULED IN TYPICAL DETAILS.
7. JOINT REINFORCEMENT SHALL BE 9 GAUGE, LADDER TYPE CONFORMING TO ASTM A951. HOT DIP GALVANIZE JOINT REINFORCEMENT IN CONFORMANCE WITH ASTM A153.
8. BAR POSITIONERS MADE FROM HOT-DIPPED GALVANIZED 9 GAUGE STEEL WIRE SHALL BE USED TO SECURE CMU WALL VERTICAL REINFORCEMENT IN ITS SPECIFIED LOCATION AND TO PREVENT DISPLACEMENT OF REINFORCING BARS DURING THE COURSE OF CONSTRUCTION.
9. UNLESS NOTED OTHERWISE, WALLS SHALL BE CONSTRUCTED IN CONVENTIONAL RUNNING BOND.
10. SOLID GROUT ALL MASONRY WORK. PLACE GROUT IN LIFTS NOT EXCEEDING 5'-4" IN HEIGHT. CLEANOUTS ARE REQUIRED FOR GROUT POURS WITH HEIGHTS EXCEEDING 5'-4".
11. CONSOLIDATE CONVENTIONAL GROUT BY MECHANICAL VIBRATION. RECONSOLIDATE CONVENTIONAL GROUT AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED (USUALLY WITHIN 10 MINUTES OF GROUT PLACEMENT).
12. AT CMU WALLS PROVIDE HORIZONTAL JOINT REINFORCING AT 16" OC. PROVIDE A MINIMUM OF 6" LAP SPLICE FOR JOINT REINFORCEMENT.

CONCRETE SCREW ANCHORS:

1. CONCRETE SCREW ANCHOR IS A STEEL THREADED ANCHOR WITH A HEX-WASHER HEAD. ANCHOR SHALL BE CARBON STEEL WITH A ZINC COATING FOR INTERIOR AND CONCEALED EXTERIOR INSTALLATIONS AND BE TYPE 316 STAINLESS STEEL FOR EXPOSED EXTERIOR INSTALLATIONS. THE FOLLOWING ARE ACCEPTABLE ANCHORS:
   - A. SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713, ESR-1056)
   - B. SIMPSON STRONG-TIE "STAINLESS STEEL TITEN HD" (UES-ER #493)
   - C. HILTI "KH-EZ" (ICC-ES ESR-3027, ESR-3056)
   - D. HILTI "KH-EZ SS316" (ICC-ES ESR-3027, ESR-3056)
   - E. DEWALT "SCREW-BOLT+" (ICC-ES ESR-3889, ESR-4042)
   - F. AN APPROVED CONCRETE SCREW ANCHOR WITH ICC-ES REPORT SHOWING VALUES FOR TENSION AND SHEAR IN CRACKED AND UNCRACKED CONCRETE, AND HAVING MINIMUM NOMINAL STEEL STRENGTH IN TENSION, (Nsa) FOR 1/2 INCH DIAMETER ANCHOR OF 18,100 LB FOR CARBON STEEL, AND 20,600 LB FOR TYPE 316 STAINLESS STEEL.
2. DRILL HOLES WITH A ROTARY HAMMER USING A CARBIDE-TIPPED MASONRY DRILL BIT. DRILLED HOLE SIZE SHALL MATCH THE ANCHOR SIZE WITH A DEPTH 1/2 INCH DEEPER THAN THE NOMINAL EMBEDMENT DEPTH. HOLES MUST BE PERPENDICULAR TO THE CONCRETE SURFACE.
3. CLEARANCE HOLE IN THE FIXTURE SHALL HAVE A DIAMETER 1/8" LARGER THAN THE ANCHOR DIAMETER.
4. ANCHORS SHALL NOT BE INSTALLED INTO HARDENED CONCRETE BEFORE THE CONCRETE HAS REACHED ITS SPECIFIED COMPRESSIVE STRENGTH AT 28-DAYS.
5. INSTALL ANCHOR SO THAT THE HEX-WASHER HEAD IS FLUSH TO THE FIXTURE. DO NOT EXCEED MAXIMUM TORQUE SPECIFIED BY THE MANUFACTURER. ANCHOR MAY BE SLIGHTLY LOOSENED AND RE-TIGHTENED TO ADJUST FIXTURE, BUT CANNOT BE REMOVED AND REUSED.
6. PERIODIC SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1705.3 OF IBC-18 IS REQUIRED FOR THE INSTALLATION OF CONCRETE SCREW ANCHORS. ITEMS REQUIRING SPECIAL INSPECTION ARE STATED IN THE PRODUCT'S ICC-ESR EVALUATION REPORT. FREQUENCY OF SPECIAL INSPECTIONS IS AS NOTED IN THE "SPECIAL INSPECTION" NOTES ON THE NEXT SHEET.

EPOXY ANCHOR SYSTEM:

1. ADHESIVE FOR ANCHOR SYSTEM SHALL BE AN INJECTABLE, TWO-COMPONENT ADHESIVE CONFORMING TO THE REQUIREMENTS OF ACI 355.4 "ACCEPTANCE CRITERIA FOR QUALIFICATION OF POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE AND COMMENTARY". THE ANCHOR SYSTEM SHALL BE ONE OF THE FOLLOWING:
   - A. SIMPSON STRONG-TIE "SET-3G" (ICC-ES ESR-4057)
   - B. HILTI "HIT-HY 200-R" (ICC-ES ESR-3187)
   - C. DEWALT "AC200+" (ICC-ES ESR-4027)
   - D. AN APPROVED SYSTEM MEETING ACI 355.4 AND THE MINIMUM BOND STRESS VALUES BELOW.
2. ADHESIVE ANCHOR SYSTEM ABOVE SHALL BE SUPPLIED AS A COMPLETE SYSTEM INCLUDING ALL MANUFACTURER RECOMMENDED SUPPLIES TO PROPERLY CLEAN THE DRILLED HOLE AND TO MIX AND DISPENSE THE ADHESIVE.
3. ADHESIVE ANCHORS SHALL HAVE THE FOLLOWING MINIMUM CHARACTERISTIC BOND STRENGTH FOR 1/2" THREADED ROD, DRY CONCRETE, TEMPERATURE RANGE A, f'c=2,500 PSI:
   CRACKED CONCRETE, τ_{cr} 1040 PSI
   UNCRACKED CONCRETE, τ_{uncr} 2100 PSI
4. THE FOLLOWING DEFINES THE REFERENCES USED IN THE STRUCTURAL DRAWINGS:
   "EPOXY ANCHOR": THREADED ROD OF DIAMETER NOTED, POST-INSTALLED INTO CONCRETE USING AN ADHESIVE ANCHORING SYSTEM.
   "EPOXY DOWEL": DEFORMED REINFORCING BAR OF SIZE NOTED, POST-INSTALLED INTO CONCRETE USING AN ADHESIVE ANCHORING SYSTEM.
   "SET IN EPOXY": POST INSTALLED ANCHORING INTO CONCRETE USING AN ADHESIVE ANCHORING SYSTEM.
5. UNLESS NOTED OTHERWISE, THREADED ANCHOR RODS SHALL BE HOT DIP GALVANIZED AND CONFORM TO ASTM F1554, GRADE 36. THREADED ANCHOR RODS SHALL BE FULLY THREADED, HAVE COURSE THREADS, CLEAN, STRAIGHT AND FREE OF INDENTATIONS OR OTHER DEFECTS ALONG THEIR LENGTH.
6. REBAR FOR EPOXY DOWELS SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 OR ASTM A706. EMBEDDED PORTIONS OF REINFORCING BARS MUST BE STRAIGHT, AND FREE OF MILL SCALE, RUST, MUD, OIL AND OTHER COATINGS THAT MAY IMPAIR THE BOND WITH THE ADHESIVE.
7. DRILL HOLES WITH A ROTARY HAMMER USING A CARBIDE-TIPPED MASONRY DRILL BIT. HOLE SIZE SHALL BE AS STATED BY THE MANUFACTURER FOR THE ANCHOR OR DOWEL SIZE. DEPTH OF HOLE SHALL BE THE EMBEDMENT NOTED ON THE DRAWINGS.
8. WHERE NO EMBEDMENT DEPTH IS SHOWN ON THE DETAIL, PROVIDE THE SHALLOWER OF THE FOLLOWING EMBEDMENT:
   THREADED RODS: 8 TIMES THE ROD DIAMETER ($8d_a$)
   3/4 THE CONCRETE THICKNESS
   REBAR DOWELS: 12 TIMES THE BAR DIAMETER ($12\,d_b$)
   3/4 THE CONCRETE THICKNESS
9. ANCHORS AND DOWELS SHALL NOT BE INSTALLED INTO HARDENED CONCRETE BEFORE THE CONCRETE HAS REACHED ITS SPECIFIED COMPRESSIVE STRENGTH AT 28-DAYS.
10. INSTALLATION OF ADHESIVE ANCHORS AND DOWELS SHALL BE PERFORMED BY PERSONNEL TRAINED BY THE ADHESIVE MANUFACTURER. THE MANUFACTURER'S WRITTEN INSTRUCTIONS FOR ALL ASPECTS OF THE INSTALLATION SHALL BE STRICTLY FOLLOWED.
11. ANCHORS AND POST-INSTALLED REINFORCING BARS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM SUCH AS THE ACI/CRSI ADHESIVE ANCHOR INSTALLATION CERTIFICATION PROGRAM.
12. AFTER SETTING ANCHOR OR DOWEL IN THE ADHESIVE FILLED HOLE, DO NOT DISTURB, LOAD OR TORQUE THE ANCHOR OR DOWEL UNTIL ADHESIVE HAS FULLY CURED.
13. DO NOT EXCEED MANUFACTURER'S PUBLISHED MAXIMUM TORQUE ON THREADED ROD ANCHORS.
14. SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1705.3 OF IBC-18 IS REQUIRED FOR THE INSTALLATION OF POST-INSTALLED ADHESIVE ANCHORS AND DOWELS. POST-INSTALLED ANCHORS AND DOWELS IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS REQUIRE CONTINUOUS SPECIAL INSPECTION. OTHER INSTALLATIONS REQUIRE PERIODIC SPECIAL INSPECTION. ITEMS REQUIRING SPECIAL INSPECTION AND THE FREQUENCY OF PERIODIC SPECIAL INSPECTIONS ARE STATED IN THE PRODUCT'S ICC-ESR EVALUATION REPORT.

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REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS
02/27/202

This work was prepared by me or under my supervision and construction of this project will be under my observation

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

APRIL 30, 2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
253149_S-001.dwg

DRAWING TITLE
STRUCTURAL GENERAL NOTES

SCALE:

DRAWN BY:	CHECKED BY:
DH	MWM

PROJECT NO.	DRAWING NO.
225057-01	S-001

SHEET ISSUE DATE: 12/23/25

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STRUCTURAL STEEL:

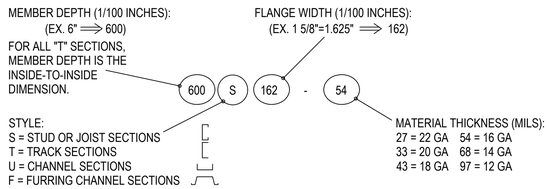
1. STEEL WORK SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" AS PUBLISHED BY THE AISC.
2. STRUCTURAL WIDE FLANGE STEEL SHAPES SHALL CONFORM TO ASTM A-992.
3. STEEL PIPE SHALL CONFORM TO ASTM A53, GRADE B. ALL PIPE DIAMETERS NOTED ON DRAWINGS ARE NOMINAL.
4. STEEL TUBE SECTIONS SHALL CONFORM TO ASTM A500, GRADE C, Fy=46 KSI.
5. ALL OTHER PLATES AND SHAPES SHALL CONFORM TO ASTM A36.
6. UNLESS NOTED OTHERWISE, ALL BOLTED CONNECTIONS SHALL BE MADE WITH ASTM A325 BOLTS. WHERE INDICATED, "MACHINE BOLTS" SHALL CONFORM TO ASTM A307.
7. WELDS SHALL CONFORM TO THE "STRUCTURAL WELDING CODE-STEEL" OF THE AMERICAN WELDING SOCIETY AND BE DONE BY CERTIFIED WELDERS.
8. GALVANIZE ALL SHAPES, PLATES, BOLTS, ANCHORS, INSERTS, ETC., IN ACCORDANCE WITH ASTM A123. ACCORDANCE WITH ASTM A123.
9. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW. ENGINEER MUST REVIEW AND HIS COMMENTS ADDRESSED PRIOR TO FABRICATING STEEL.

STEEL DECKING:

1. STEEL DECK SHALL BE ICBO APPROVED, GALVANIZED RIBBED STEEL PANELS. THE TYPE, GAGE AND MINIMUM STRUCTURAL PROPERTIES SHALL BE AS CALLED OUT ON THE DRAWINGS. DECK UNITS SHALL SPAN OVER TWO OR MORE SUPPORTS.
2. DECKING AND ALL ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM A446 HAVING A MINIMUM YIELD STRENGTH OF 33 KSI. THE STEEL SHEETS SHALL BE ZINC COATED WITH A ZINC COATING CONFORMING TO ASTM A-653, CLASS G-90.
3. MINIMUM BEARING OF DECKING ON SUPPORTS SHALL BE 2 INCHES.
4. WELDING SHALL BE DONE BY QUALIFIED AND AWS CERTIFIED LIGHT GAGE WELDERS.
5. PROVIDE ALL CLOSURES AS REQUIRED TO COMPLETE THE WORK AND MAKE WATERTIGHT. OPEN ENDS OF ALL RIBS AT ROOF TO BE CLOSED WITH NEOPRENE OR RUBBER FILLER STRIPS.

COLD-FORMED STEEL (CFS) FRAMING:

1. UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS, CFS MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE APPLICABLE SECTIONS OF CHAPTER 22 IN THE "INTERNATIONAL BUILDING CODE", AND THE REFERENCED STANDARDS OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI) THERIN.
2. ALL MEMBERS SHALL BE GALVANIZED IN ACCORDANCE WITH STANDARD ASTM A525 WITH A MINIMUM G90 COATING.
3. MEMBERS 16 GAGE (54 MILS) AND HEAVIER SHALL CONFORM TO ASTM A 446 GRADE D AND HAVE A MINIMUM Fy=50 KSI OTHERWISE, MEMBERS SHALL CONFORM TO ASTM A 446 GRADE A AND HAVE A MINIMUM Fy=33 KSI.
4. FOR SCREWED STEEL-TO-STEEL CONNECTIONS IN CONTACT WITH THE BACK OF DRYWALL PANELS, LOW PROFILE HEAD SCREWS (SUCH AS SELF-DRILLING WAFER HEAD SCREW BY GRABBER) SHALL BE USED.
5. WHERE SIMPSON CONNECTORS ARE INDICATED AND UNLESS A SPECIFIC NUMBER OF SCREWS ARE INDICATED, PROVIDE #10 SCREWS IN EVERY HOLE AT CONNECTIONS TO COLD-FORMED STEEL.
6. STUDS SHALL BE CONNECTED TO CONTINUOUS TOP AND BOTTOM TRACKS WITH ONE #10 SCREW ON EACH SIDE AT FLANGES, UNLESS OTHERWISE NOTED.
7. UNLESS NOTED OTHERWISE, EXTERIOR WALLS SHALL HAVE A CONTINUOUS BOTTOM TRACK ANCHORED TO CONCRETE OR STEEL WITH A 0.145-INCH MINIMUM SHANK DIAMETER, POWER DRIVEN, ZINC COATED FASTENER AT 16-INCHES ON CENTERS.
8. MEMBER SIZES ARE NOTED IN ACCORDANCE WITH STEEL STUD MANUFACTURERS ASSOCIATION'S (SSMA) STANDARD DESIGNATIONS AS FOLLOWS:



DESIGN CRITERIA:

1. RISK CATEGORY: IV
2. ROOF LIVE LOAD: .....20 PSF
3. WIND DESIGN DATA:
   - BASIC DESIGN WIND SPEED, V .....150 MPH
   - NOMINAL DESIGN WIND SPEED, V_{ASD} .....116 MPH
   - WIND EXPOSURE.....C
   - TOPOGRAPHIC FACTOR, K_{zt}.....1.0
   - DIRECTIONALITY FACTOR, K_d.....0.85
   - INTERNAL PRESSURE COEFFICIENT, (GC_{pi}) .....±0.18
4. EARTHQUAKE DESIGN DATA:
   - IMPORTANCE FACTOR, I_E.....1.5
   - MAPPED - SPECTRAL RESPONSE ACCELERATION PARAMETERS:
     - S_S (SHORT PERIOD) .....0.223 g
     - S_1 (1 SEC. PERIOD) .....0.063 g
   - SEISMIC DESIGN CATEGORY.....D - DEFAULT
   - DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
     - S_{DS} (SHORT PERIOD).....0.238 g
     - S_{D1} (1 SEC. PERIOD) .....0.101 g
   - SEISMIC DESIGN CATEGORY.....C
5. FOUNDATION PARAMETERS: SEE FOUNDATION NOTES.

SPECIAL INSPECTION REQUIREMENTS LIST BELOW

1. THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR FOR WORK REQUIRING SPECIAL INSPECTION PER CHAPTER 17 OF THE 2018 IBC AS ADOPTED BY THE COUNTY OF KAUAI.
2. SPECIAL INSPECTION FIRM SHALL HAVE AT LEAST 6 YEARS OF EXPERIENCE AND SHALL BE CERTIFIED WITHIN THE BUILDING DEPARTMENT JURISDICTION OF CONSTRUCTION (IF SUCH CERTIFICATION EXIST).
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SPECIAL INSPECTOR TO ENSURE THAT ALL ELEMENTS REQUIRING SPECIAL INSPECTION ARE INSPECTED.
4. SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING TYPES OF WORK:
   - A. VERIFICATION THAT EXCAVATIONS FOR FOUNDATIONS ARE EXTENDED TO PROPER DEPTH AND MATERIALS ENCOUNTERED ARE ADEQUATE. PRIOR TO PLACEMENT OF FILL, OBSERVE SUBGRADE AND VERIFY SITE HAS BEEN PREPARED PROPERLY. VERIFY THE USE OF PROPER MATERIALS, LIFT THICKNESS, AND COMPACTION DURING PLACEMENT OF IMPORTED STRUCTURAL FILL.
   - B. OBSERVE THE PLACEMENT OF REINFORCING STEEL AND ANCHORS EMBEDDED IN CONCRETE. THE SPECIAL INSPECTOR NEED NOT BE PRESENT CONTINUOUSLY DURING THE PLACING OF REINFORCING STEEL. SPECIAL INSPECTION OF REINFORCING STEEL CAN BE PERFORMED AFTER REINFORCING STEEL PLACEMENT HAS BEEN COMPLETED, BUT PRIOR TO CLOSING OF FORMS OR CONCRETE PLACEMENT. CONTRACTOR SHOULD HAVE REINFORCING STEEL READY FOR INSPECTION AND HAVE SPECIAL INSPECTION PERFORMED WITH SUFFICIENT TIME TO FIX DISCREPANCIES PRIOR TO CONCRETE ARRIVING TO THE JOB SITE. DISCREPANCIES MUST BE CORRECTED PRIOR TO CONCRETE PLACEMENT.
   - C. CONTINUOUSLY OBSERVE THE PLACEMENT OF CONCRETE.
   - D. OBSERVE THE FIELD TESTING OF CONCRETE AND PREPARING OF SPECIMENS FOR CONCRETE TESTING. AND THE PLACING OF CONCRETE FOR ALL ELEMENTS.
   - E. VERIFY CONCRETE CURING WITH SPECIFIED METHOD AND FOR SPECIFIED DURATION.
   - F. INSTALLATION OF CONCRETE SCREW ANCHORS AND ANCHORS SET IN EPOXY. SEE PRODUCT ICC-ES FOR FREQUENCY OF SPECIAL INSPECTION AND ITEMS REQUIRING SPECIAL INSPECTION.
   - G. SPECIAL INSPECTION FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360, "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AS PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).

ABBREVIATIONS

AB	ANCHOR BOLT
ARCH	ARCHITECTURAL OR ARCHITECT
@	AT
BAL	BALANCE
BOT	BOTTOM
BM	BEAM
BTB	BASALTIC TERMITE BARRIER
CFS or CFS	COLD FORMED STEEL
CIP	CAST IN PLACE
CJ	CONSTRUCTION OR CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONN	CONNECTION
DET	DETAIL
DIA or ø	DIAMETER
DIAG	DIAGONAL
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATOR
ELEV	ELEVATION
EMBED	EMBEDMENT
EQ	EQUAL
EXP	EXPANSION
EXT	EXTERIOR
EW	EACH WAY
FP	FULL PENETRATION
FT	FOOT OR FEET
FTG	FOOTING
GA	GAGE
GALV	GALVANIZE
HDG	HOT-DIPPED GALVANIZED
HORIZ	HORIZONTAL
HSB	HIGH STRENGTH BOLT
INT	INTERIOR
JT	JOINT
KSF	KIPS PER SQUARE FOOT
LLV	LONG LET VERTICAL
LONG	LONGITUDINAL
LW	LONG WAY
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MIN	MINIMUM
NTS	NOT TO SCALE
NO	NUMBER
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PSI	POUNDS PER SQUARE INCH
PSF	POUNDS PER SQUARE FOOT
RF or REINF	REINFORCED OR REINFORCEMENT
REQD	REQUIRED
SHT	SHEET
SP	SPACE OR SPACES
SIM	SIMILAR
SQ	SQUARE
STD	STANDARD
T&B	TOP AND BOTTOM
THK	THICK
TOC	TOP OF CONCRETE
TOF	TO OF FOOTING
TOS	TOP OF SLAB
TOW	TOP OF WALL
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
W/O	WITH OUT
WJ	WALL JOINT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

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REVISIONS

#	Date	Description

CONSTRUCTION DOCUMENTS

02/27/202

This work was prepared by me or under my supervision and construction of this project will be under my observation

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APRIL 30, 2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME: 253149_S-002.dwg

DRAWING TITLE: STRUCTURAL GENERAL NOTES

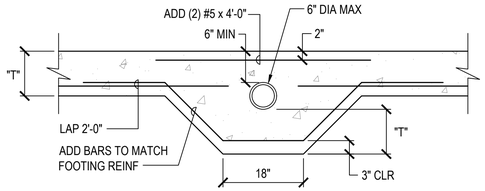
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DH	MWM

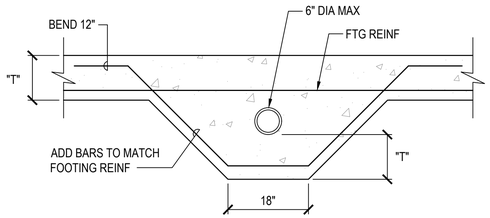
PROJECT NO.	DRAWING NO.
225057-01	**S-002**

SHEET ISSUE DATE: 12/23/25

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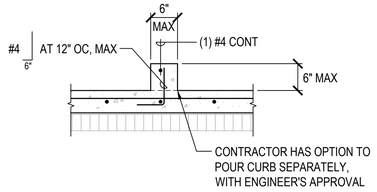
THROUGH FOOTING

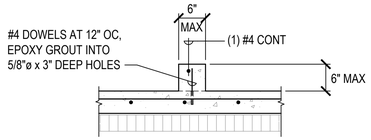


UNDER FOOTING

3 TYP PIPE SLEEVE FOOTING

SCALE: NTS

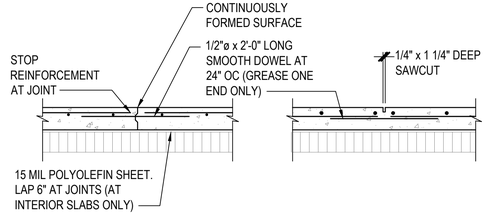




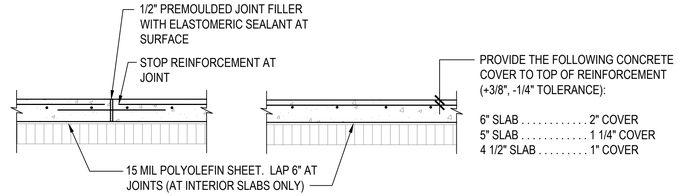
ALTERNATE AT PARTITION WALL ONLY

2 TYP CONCRETE CURB DETAIL

SCALE: NTS



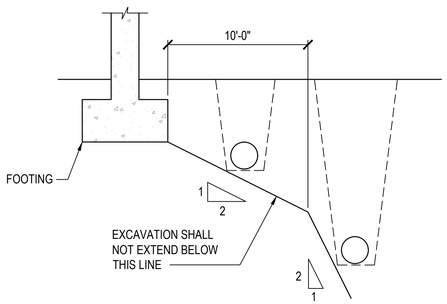
CONSTRUCTION JOINT CONTROL JOINT (CJ)



TYP EXPANSION JOINT (EJ & EJ-B AS NOTED) TYPICAL REINFORCEMENT PLACEMENT

1 TYPICAL SLAB-ON-GRADE DETAILS

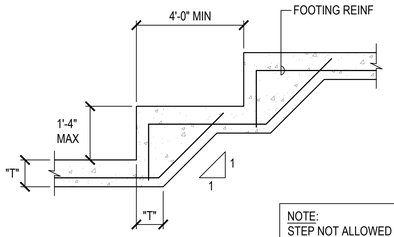
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NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TRENCH SLOPES BY SHORING AS REQUIRED.

6 TYPICAL TRENCH DETAIL

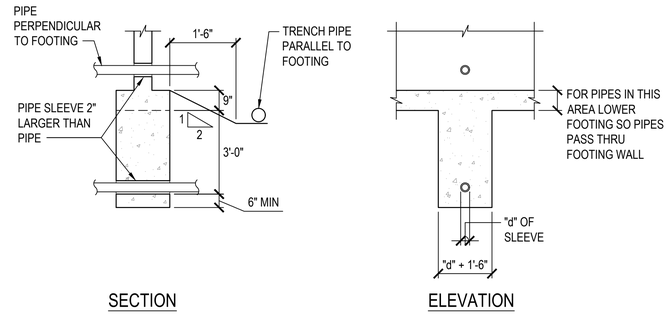
SCALE: NTS



NOTE:
STEP NOT ALLOWED IN COLUMN FOOTINGS.

5 TYP STEPPED WALL FOOTING

SCALE: NTS



SECTION ELEVATION

NOTE:
FOR PIPES 3'-0" OR LESS BELOW FOOTINGS, PROVIDE SLEEVE AND CONCRETE AS SHOWN. FOR PIPES MORE THAN 3'-0" BELOW FOOTINGS, USE STEPPED FOOTING DETAIL TO STAY WITHIN 3'-0".

4 TYPICAL PIPE SLEEVE BELOW FOOTING

SCALE: NTS

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APRIL 30, 2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

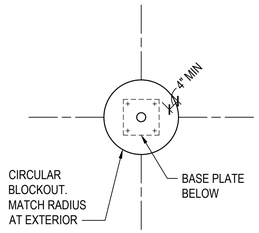
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DRAWING TITLE
TYPICAL DETAILS

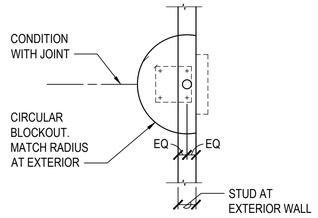
SCALE:

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DH	MWM
PROJECT NO.	DRAWING NO.
225057-01	S-003
SHEET ISSUE DATE:	
12/23/25	

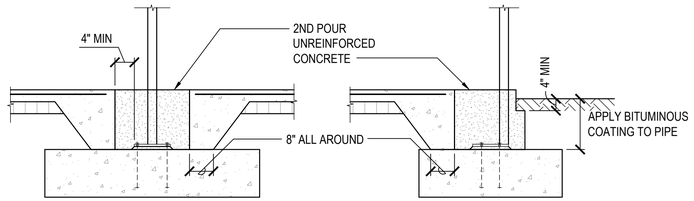
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PLAN

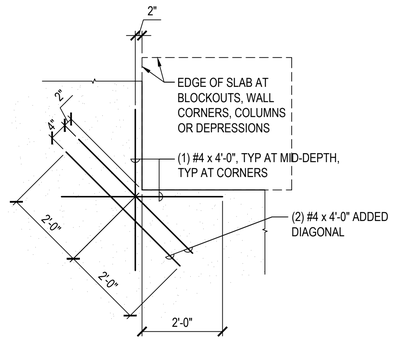


PLAN



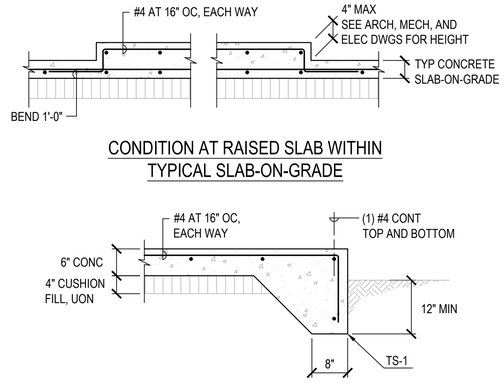
SECTION SECTION

3 CJ AT PIPE COLUMNS
SCALE: NTS



PLAN

2 TYP SOG RE-ENTRANT CORNER/BLOCKOUT DETAIL
SCALE: NTS



CONDITION AT RAISED SLAB WITHIN TYPICAL SLAB-ON-GRADE

CONDITION AT EXTERIOR EQUIPMENT PAD

1 TYPICAL CONCRETE PAD DETAIL
SCALE: NTS

LAP SPLICE

BAR OFFSET

BAR SIZE	f'c = 3000 PSI		f'c = 4000 PSI		f'c = 5000 PSI		f'c = 6000 PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	24"	24"	24"	24"	24"	24"	24"	24"
#4	29"	24"	25"	24"	24"	24"	24"	24"
#5	36"	28"	31"	24"	28"	24"	26"	24"
#6	43"	33"	37"	29"	34"	26"	31"	24"
#7	63"	48"	54"	42"	49"	38"	45"	34"
#8	72"	55"	62"	48"	56"	43"	51"	39"
#9	81"	62"	70"	54"	63"	48"	57"	44"
#10	91"	70"	79"	61"	70"	54"	64"	50"
#11	101"	78"	87"	67"	78"	60"	71"	55"

NOTES:
1. LAP SPLICE LENGTHS ARE FOR CLASS A LAP SPLICES ONLY.
2. LAP SPLICE LENGTHS ARE FOR GRADE 60 DEFORMED BARS.
3. LAP SPLICE LENGTHS SHALL BE IN ACCORDANCE WITH THIS TABLE, UNLESS OTHERWISE SHOWN OR NOTED.
4. A "TOP" BAR IS HORIZONTAL REINFORCEMENT WHICH HAS MORE THAN 12" OF FRESH CONCRETE CAST BELOW THE SPLICE.

6 TYPICAL LAP SPLICE DETAIL
SCALE: NTS

AT BEAMS

AT COLUMNS

COLUMN CROSS TIE

ALTERNATE AT BEAMS

NOTES:
1. THESE DETAILS SHALL APPLY TO #3, #4 AND #5 BARS - GRADE 40 AND GRADE 60.
2. ALL BARS SHALL BE BENT COLD.
3. MINIMUM FINISHED BEND DIAMETER = 4d FOR #3, #4 AND #5 BARS.

5 TYPICAL TIE AND STIRRUP DETAIL
SCALE: NTS

STANDARD HOOK 180°

BAR BEND 90°

MINIMUM EXTENSION LENGTHS "A"				
BAR SIZE	STANDARD HOOKS		TIES AND STIRRUPS	
	180° HOOKS	90° HOOKS	90° HOOKS	135° HOOKS
#3	6"	7"	5"	6"
#4	8"	9"	6"	7"
#5	9"	11"	7"	9"
#6	11"	13"	14"	12"
#7	12"	15"	16"	14"
#8	14"	17"	19"	16"
#9	19"	21"	NA	NA
#10	21"	24"	NA	NA
#11	24"	26"	NA	NA
#14	34"	34"	NA	NA
#18	45"	45"	NA	NA

BAR BEND 135°

BAR SIZE	D
#3,#4,#5 #6,#7,#8	6 d
#9,#10,#11	8 d
#14,#18	10 d

4 TYPICAL REBAR BENDING
SCALE: NTS

NOTE: SUB-GRADE SHOWN APPLIES TO ALL SLABS AND FOOTINGS.

7 TYPICAL SUB-GRADE DETAIL
SCALE: NTS

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

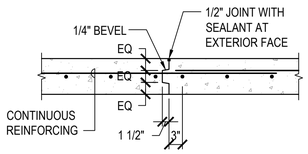
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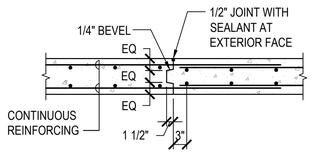
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DH	MWM
PROJECT NO.: 225057-01	DRAWING NO.: **S-004**
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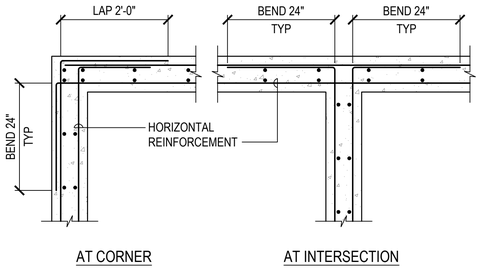
VERTICAL JOINT AT SINGLE CURTAIN OF REINF



VERTICAL JOINT AT DOUBLE CURTAIN OF REINF

NOTES:
1. FIRST PLACEMENT- PROVIDE JOINTS WHERE PLACING OF CONCRETE IS INTERRUPTED BY SEPARATE POUR. THESE JOINTS SHALL BE LOCATED AT 40'-0" MAX WHERE POUR IS DISCONTINUED.
2. CLEAN SURFACES BEFORE CASTING SECOND POUR. ALL JOINTS SHALL BE PREPARED TO EXPOSE AGGREGATE 1/4".

2 TYPICAL CONCRETE WALL CONSTRUCTION JOINT (WJ)
SCALE: NTS

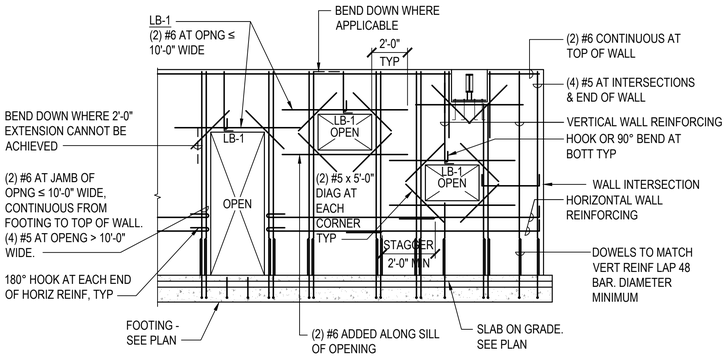


AT CORNER | AT INTERSECTION — DOUBLE LAYER WALL REINFORCING

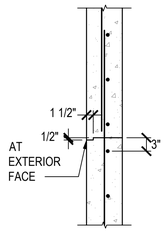
AT CORNER | AT INTERSECTION — SINGLE LAYER WALL REINFORCING

1 TYPICAL CONCRETE WALL REINFORCING DETAILS
SCALE: NTS

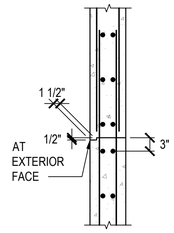
NOTE:
USE SIMILAR DETAIL AT DOUBLE CURTAIN REINFORCING CONDITION.



5 TYP CONCRETE WALL REINFORCING DETAILS
SCALE: NTS

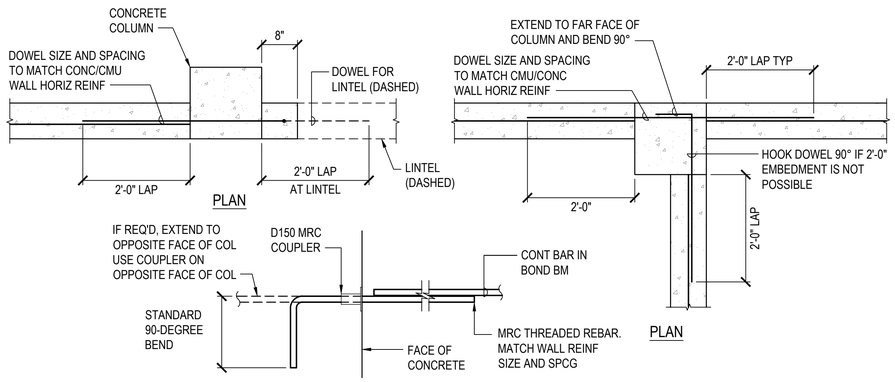


HORIZONTAL JOINT AT CURTAIN OF REINF



HORIZONTAL JOINT AT DOUBLE CURTAIN OF REINF

4 TYP CONC WALL CONSTRUCTION JOINT (WJ)
SCALE: NTS



3 CONCRETE WALL TO CONCRETE COLUMN CONNECTION
SCALE: NTS

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME: 253149_S-005.dwg

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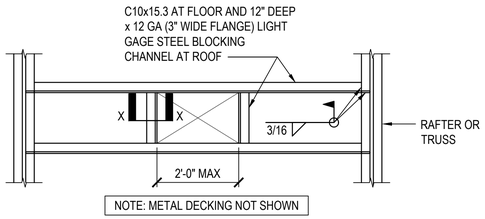
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PROJECT NO.	DRAWING NO.
225057-01	S-005
SHEET ISSUE DATE: 12/23/25	

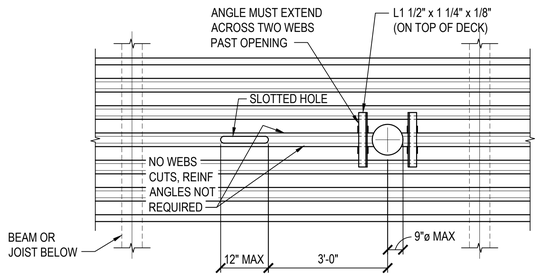
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GALVANIZED STEEL DECK SCHEDULE

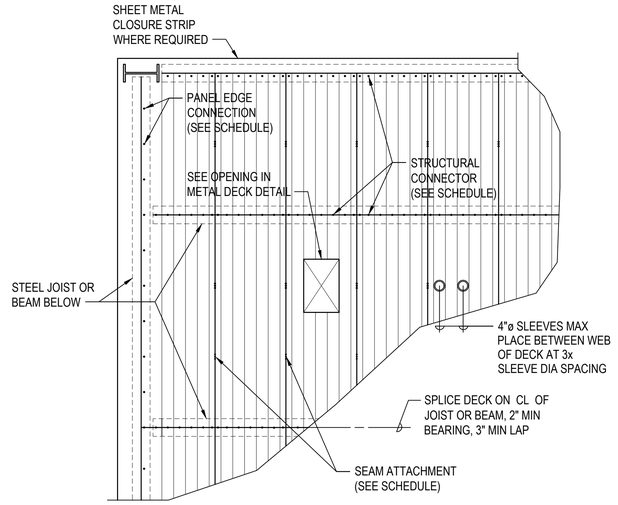
METAL DECK LOCATION	DECK TYPE	MINIMUM MOMENT OF INERTIA AND SECTION MODULUS	TOTAL THICKNESS INCLUDING CONCRETE TOPPING	SUPPORTING MEMBERS	SEAM ATTACHMENT (MINIMUM)	FASTENER PATTERN	STRUCTURAL CONNECTION AT INTERIOR SUPPORTS	SUPPORT PARALLEL TO EDGE
ROOFS WITHOUT CONC TOPPING	1 1/2" x 18 GA TYPE B	I=0.302 IN⁴ /FT +S=0.322 IN³ /FT	(NO TOPPING)	ROLLED SECTIONS	VERCO PUNCHLOCK, ASC DELTA GRIP OR EQUIVALENT AT 12" CENTERS	36/7	HILTI ENP2/ENPH2-21-L-15	HILTI ENP2/ENPH2-21-L-15 AT 12" OC
ROOFS WITH CONC TOPPING	1 1/2" x 20 GA TYPE B COMPOSITE	I=0.220 IN⁴ /FT +S=0.235 IN³ /FT	5 1/2"	ROLLED SECTIONS	VERCO PUNCHLOCK, ASC DELTA GRIP OR EQUIVALENT AT 12" CENTERS	36/7	HILTI ENP2/ENPH2-21-L-15	HILTI ENP2/ENPH2-21-L-15 AT 12" OC



9" < OPENINGS < 3'-0"



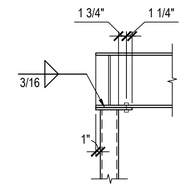
OPENINGS < 9" DIAM OR SQUARE



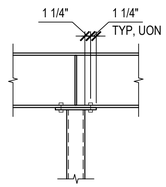
TYPICAL DECK LAYOUT

2 TYPICAL STEEL DECK SCHEDULE AND DETAILS

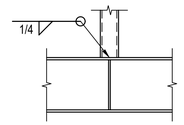
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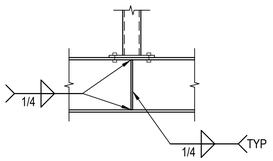
END BEARING PLATE



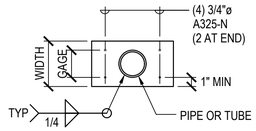
INTERMEDIATE BEARING PLATE

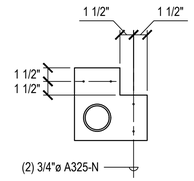


POST TO BEAM



BASE BEARING PLATE





NOTES:

1. BEARING PLATES SHALL BE 5/8" THICK UNLESS NOTED OTHERWISE.
2. STIFFENERS SHALL BE 1/4" THICK, EACH SIDE, UNLESS NOTED OTHERWISE.
3. FOR TUBE OR PIPES SIZES, SEE PLAN.
4. W = BEAM FLANGE WIDTH MINIMUM (BEAM FLANGE WIDTH PLUS 1/2" AT END CONDITION).
5. SLOPED RAFTER CONDITION SIMILAR.

1 TYP STEEL PIPE/TUBE CONNECTIONS

SCALE: NTS

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME: 253149_S-006.dwg

DRAWING TITLE: TYPICAL DETAILS

SCALE:

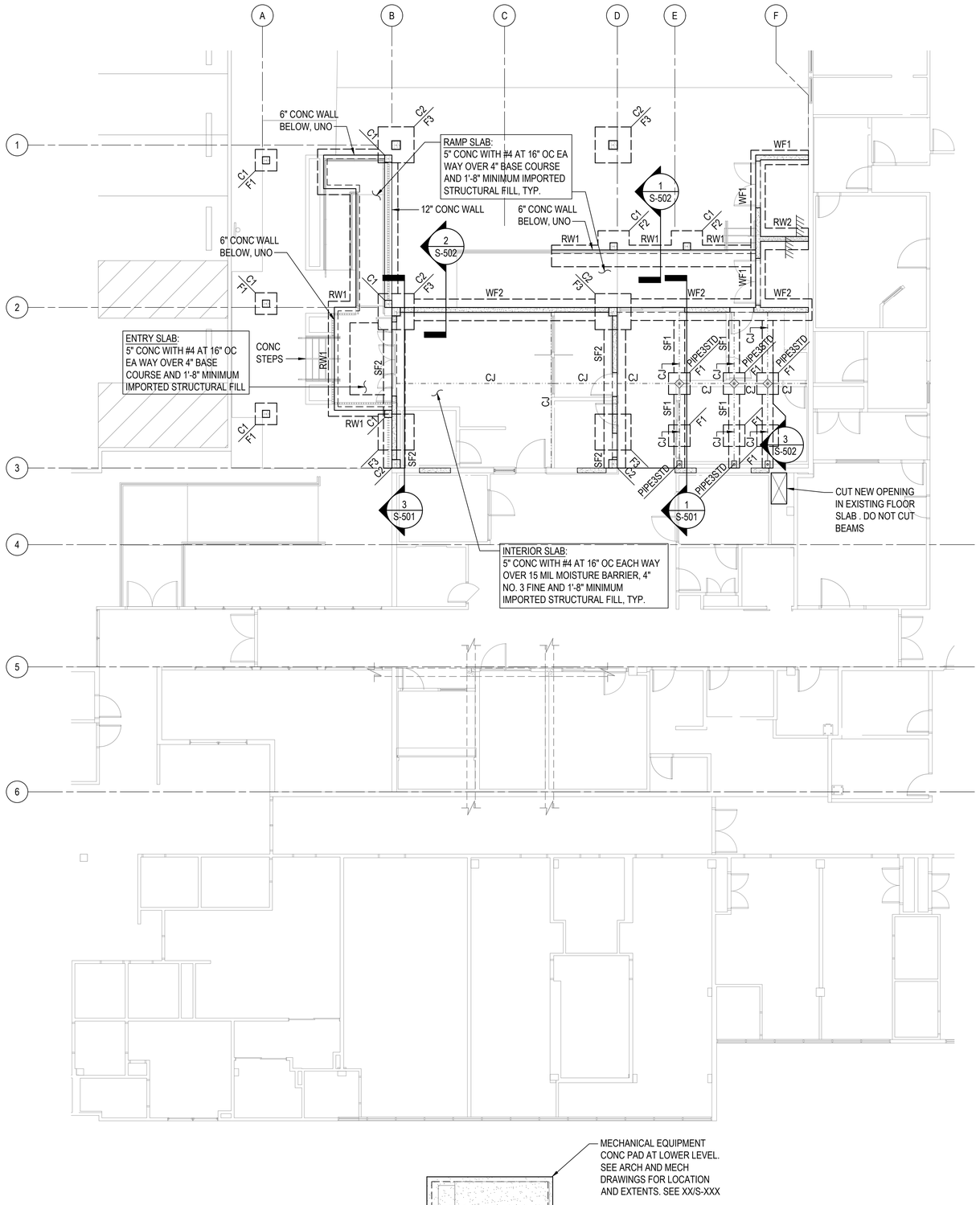
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PROJECT NO.	DRAWING NO.
225057-01	S-006

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

8' 4' 0' 8' 16'

COLUMN SCHEDULE			
MARK	SIZE	REINFORCING	
		LONG	TIES
C1	12"x12" CONC	(8) #5	#3 AT 6" OC
C2	14"x14" CONC	(8) #8	#4 AT 6" OC

FOUNDATION SCHEDULE				
MARK	SIZE			REINFORCING
	L	W	T	
F1	3'-0"	3'-0"	1'-3"	(3) #5 BOTTOM, EA WAY TOP & BOT
F2	4'-4"	3'-0"	1'-3"	(4) #5 LONG, (5) #5 TRANS, BOTTOM
F3	5'-0"	5'-0"	1'-3"	(6) #5 EA WAY, TOP AND BOTTOM
F4				
WF1	-	2'-0"	1'-3"	(3) #5 CONT, #5 AT 12" OC TRANS, BOTTOM
WF2	-	3'-0"	1'-3"	(4) #5 CONT, #5 AT 12" OC TRANS, BOTTOM
RW1	-	2'-6"	1'-0"	SEE DETAIL 1/S-502
RW2	-	3'-0"	1'-3"	(4) #5 CONT, #5 AT 12" OC TRANS, TOP & BOT
SF1	-	1'-6"	1'-3"	(3) #6 CONT, TOP & BOT WITH #4 TIES AT 8" OC
SF2	-	3'-0"	1'-6"	(5) #6 CONT, TOP & BOT WITH #4 TIES AT 8" OC

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REVISIONS

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APRIL 30, 2026
License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
253149_S-101.dwg

DRAWING TITLE
FOUNDATION PLAN

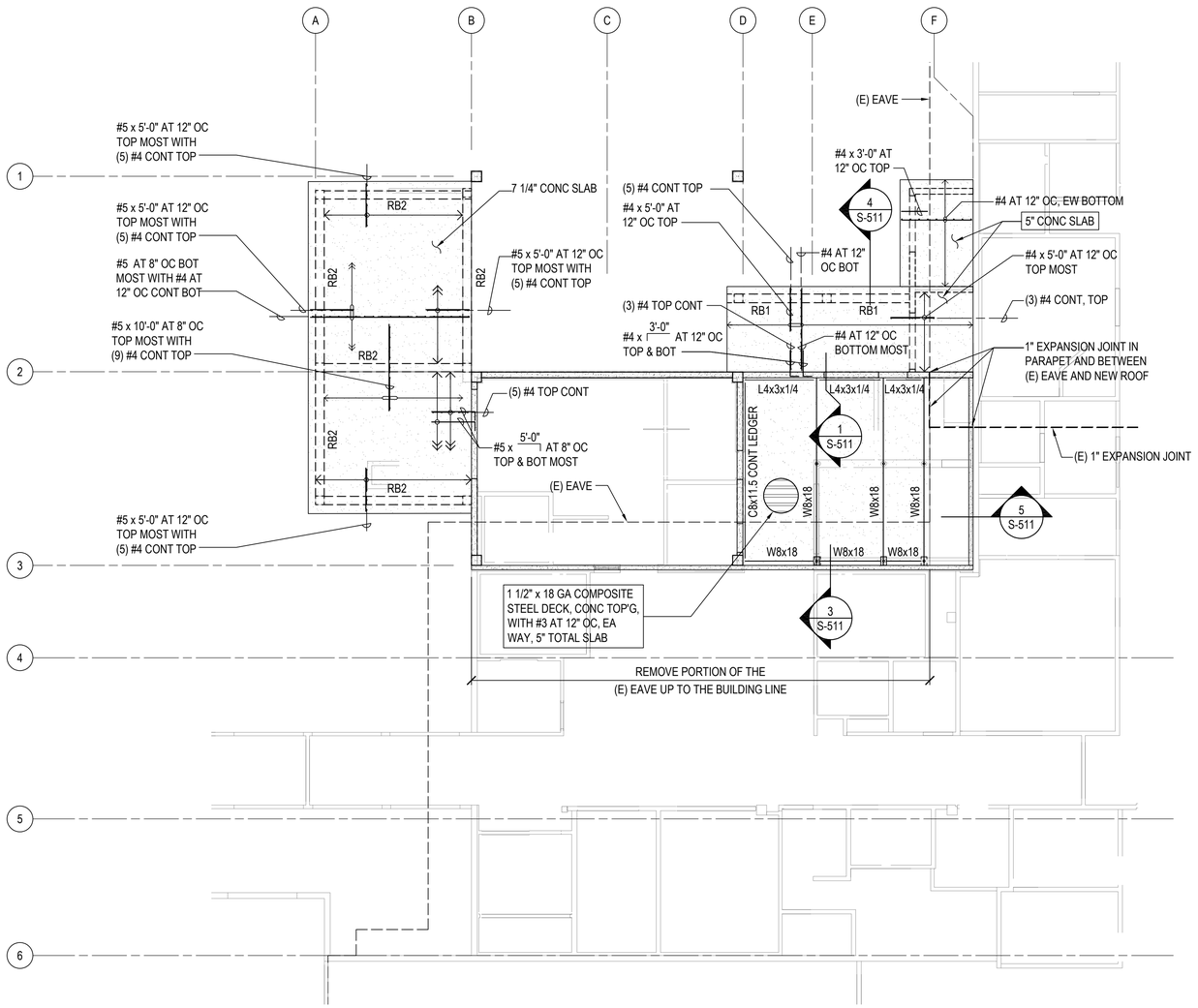
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DH	MWM
PROJECT NO.	DRAWING NO.
225057-01	S-101
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CONCRETE BEAM SCHEDULE

MARK	SIZE	REINFORCING
RB1	12"x12"	(2) #5 CONT TOP & BOT WITH #3 STIRRUPS AT 8" OC
RB2	12"x15"	(2) #7 CONT TOP & BOT WITH #3 STIRRUPS AT 8" OC



1 LOWER ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

8' 4' 0' 8' 16'

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

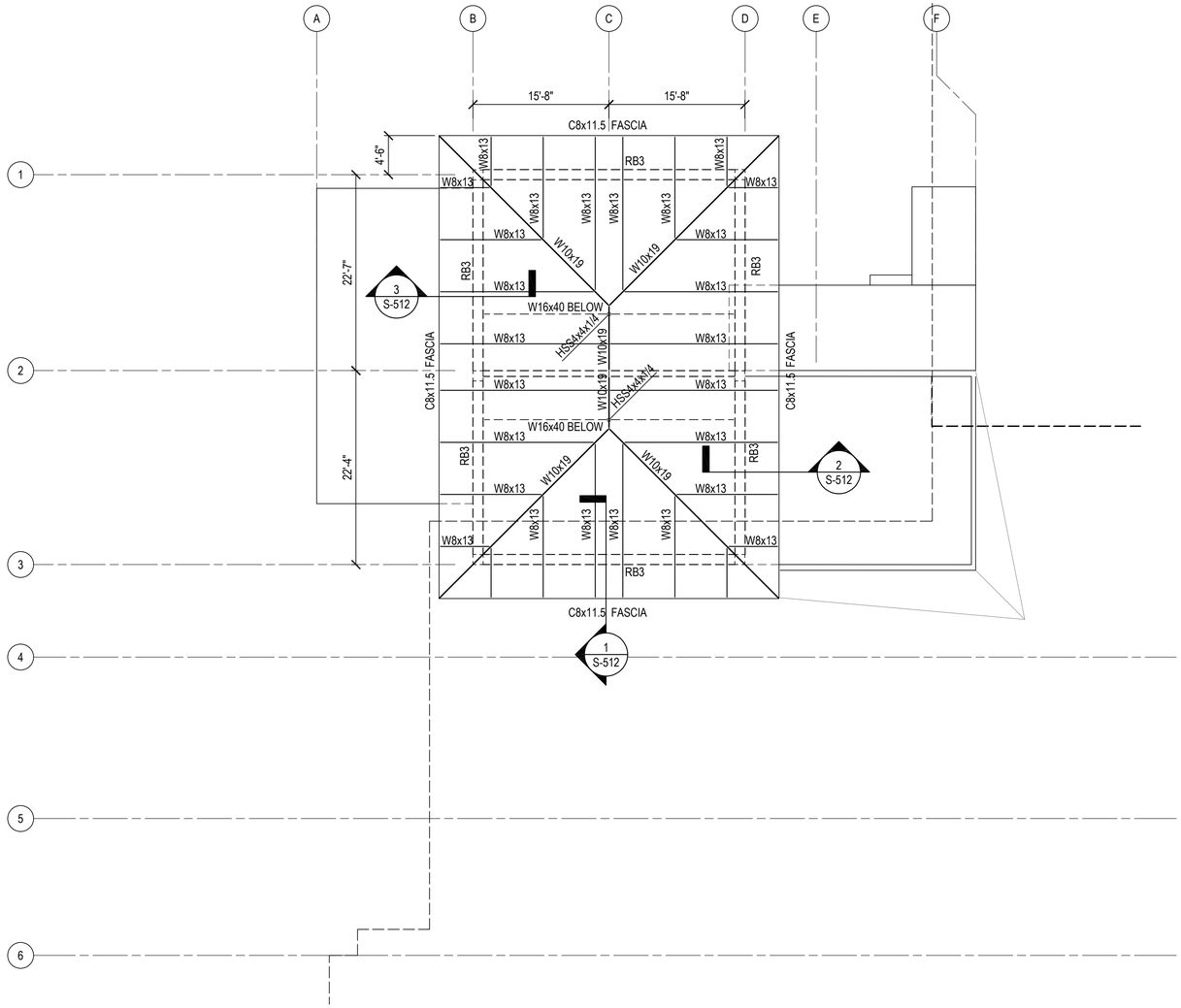
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DRAWING TITLE
LOWER ROOF FRAMING PLAN

SCALE:

DRAWN BY:	CHECKED BY:
DH	MWM
PROJECT NO.	DRAWING NO.
225057-01	S-102
SHEET ISSUE DATE: 12/23/25	

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1 UPPER ROOF FRAMING PLAN

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

8' 4' 0' 8' 16'

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TMK#: 4-6-014:113

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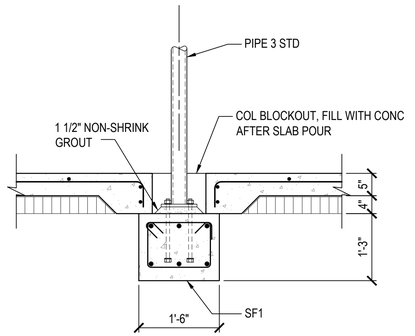
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SCALE:

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PROJECT NO.	DRAWING NO.
225057-01	S-103
SHEET ISSUE DATE: 12/23/25	

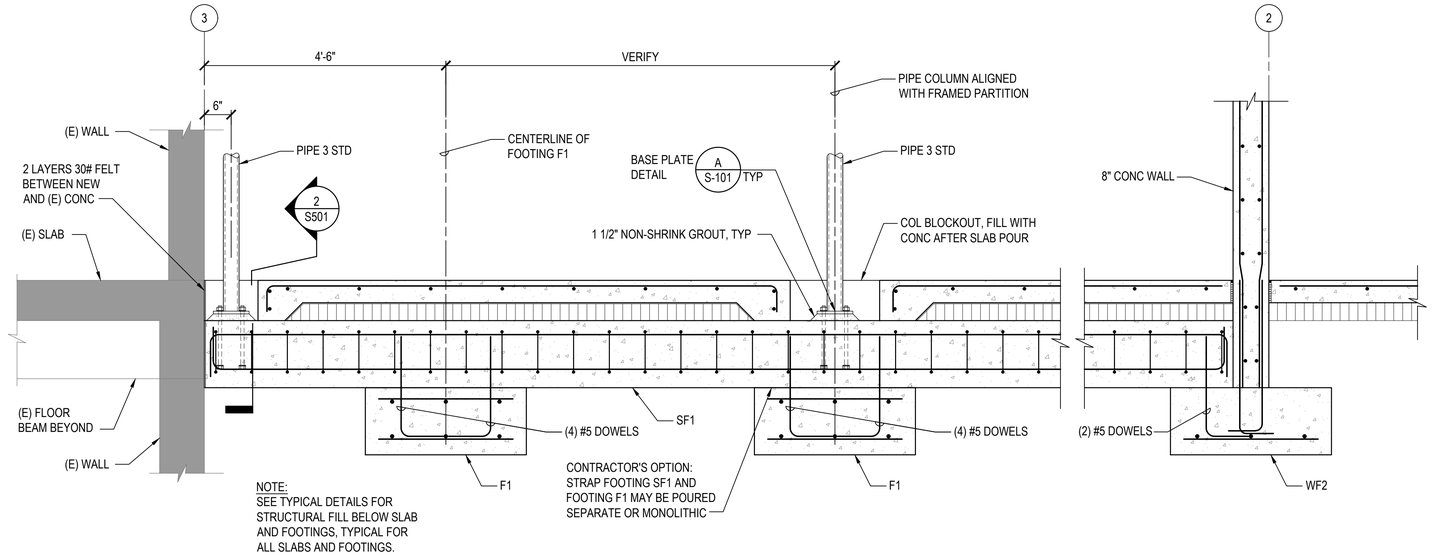
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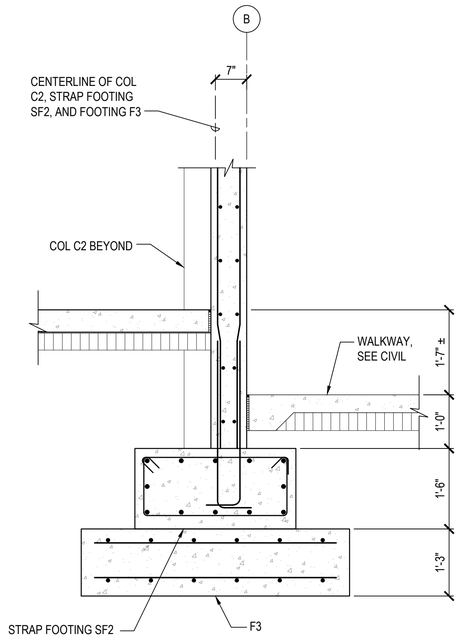
2 SECTION

SCALE: 3/4" = 1'-0"



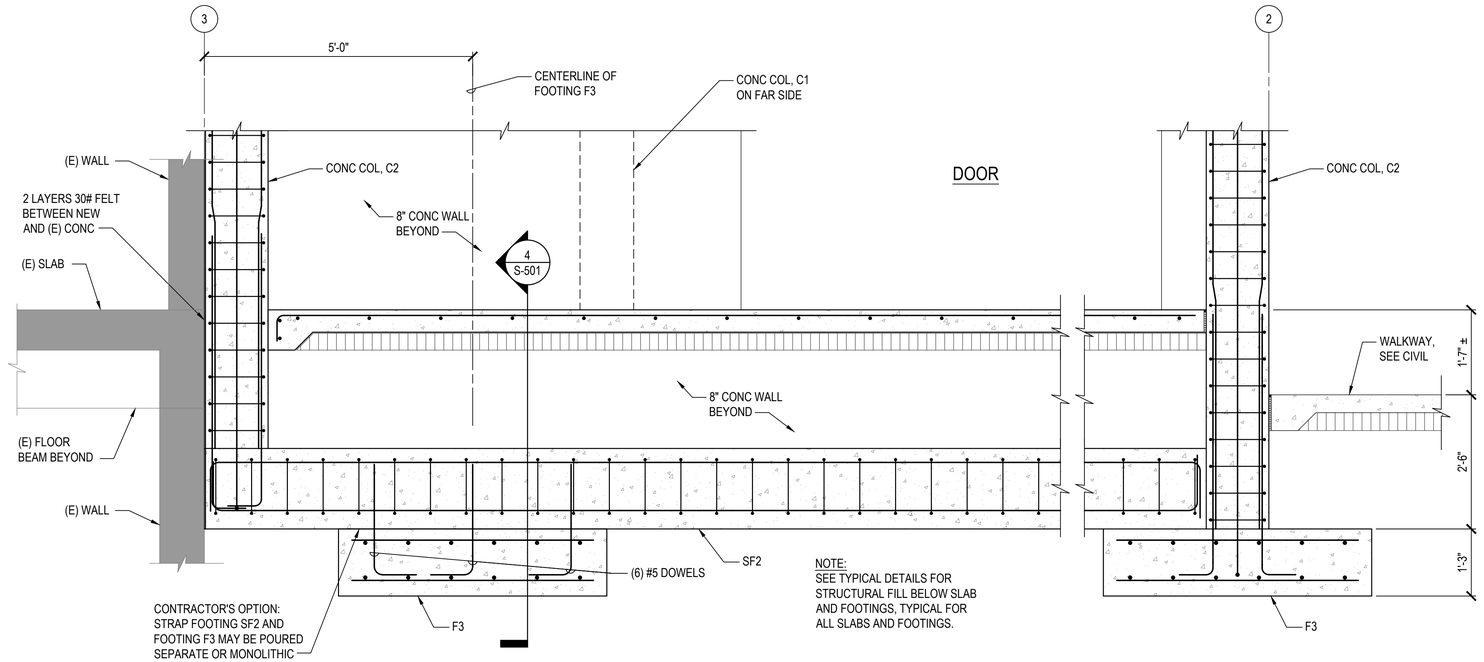
1 STRAP FOOTING SF1

SCALE: 3/4" = 1'-0"



4 SECTION

SCALE: 3/4" = 1'-0"



3 STRAP FOOTING SF2

SCALE: 3/4" = 1'-0"

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SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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DRAWING TITLE
SECTIONS

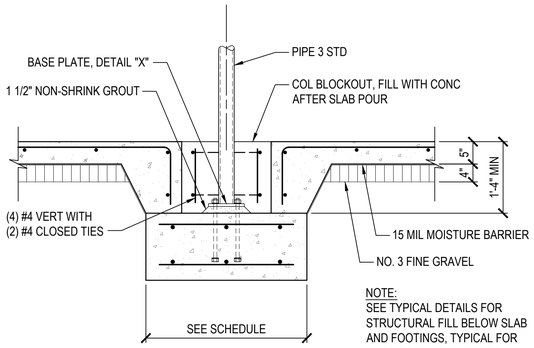
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DH	MWM

PROJECT NO.	DRAWING NO.
225057-01	S-501

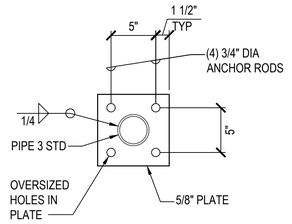
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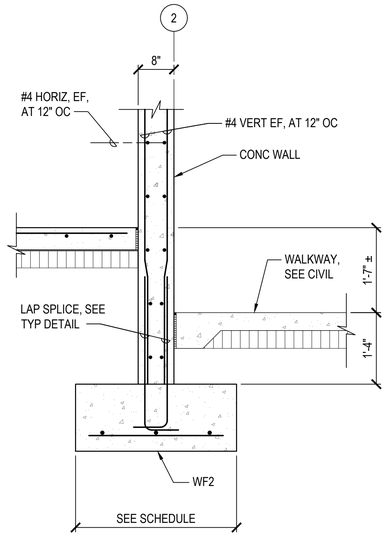


NOTE:
SEE TYPICAL DETAILS FOR STRUCTURAL FILL BELOW SLAB AND FOOTINGS, TYPICAL FOR ALL SLABS AND FOOTINGS.

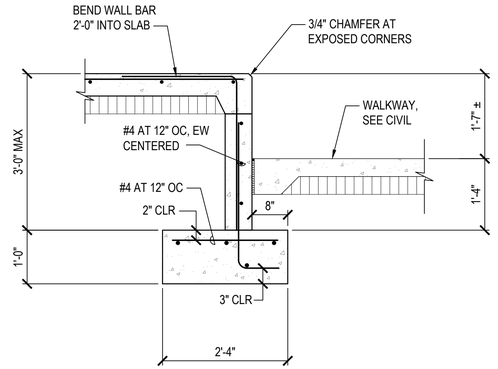
3 SECTION
SCALE: 3/4" = 1'-0"



"X" PIPE BASE PLATE
SCALE: 1 1/2" = 1'-0"



2 SECTION
SCALE: 3/4" = 1'-0"



1 RETAINING WALL RW1
SCALE: 3/4" = 1'-0"

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TMK#: 4-6-014:113

FILENAME:
253149_S-502.dwg

DRAWING TITLE
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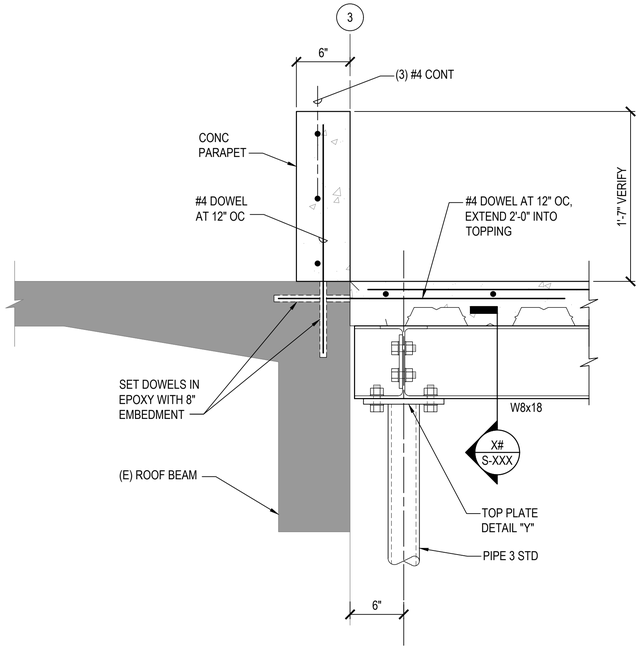
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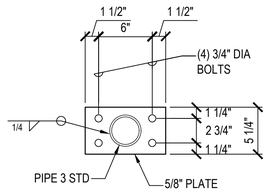
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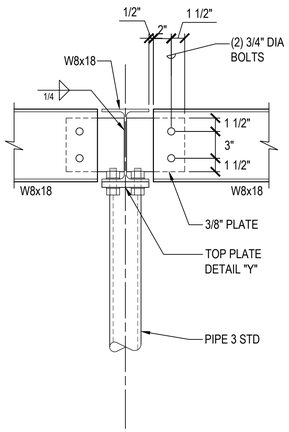
3 SECTION

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



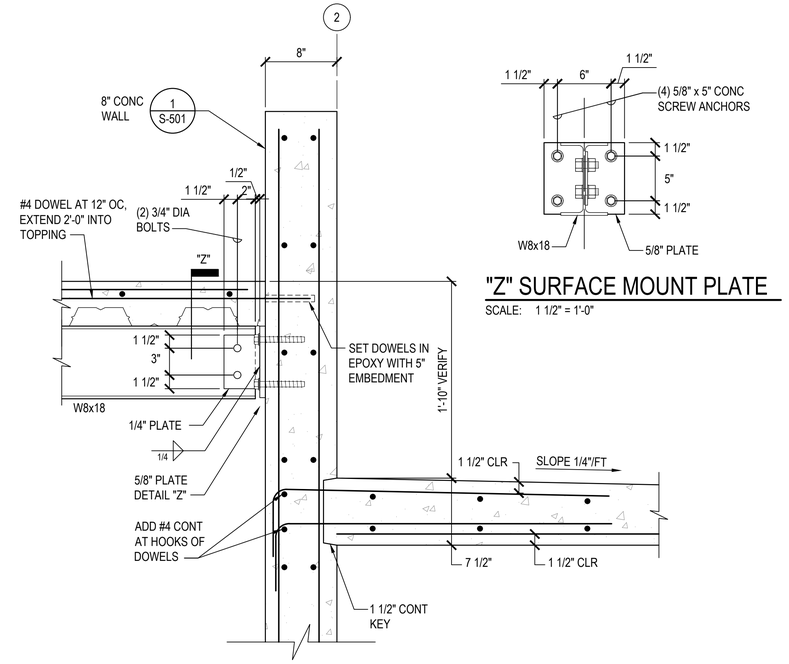
"Y" PIPE TOP PLATE

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



2 SECTION

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

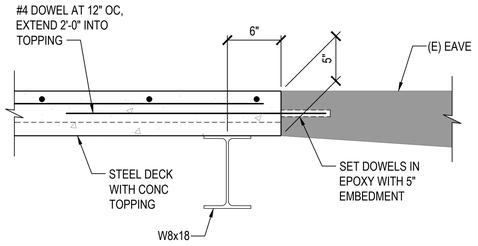


1 SECTION

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

"Z" SURFACE MOUNT PLATE

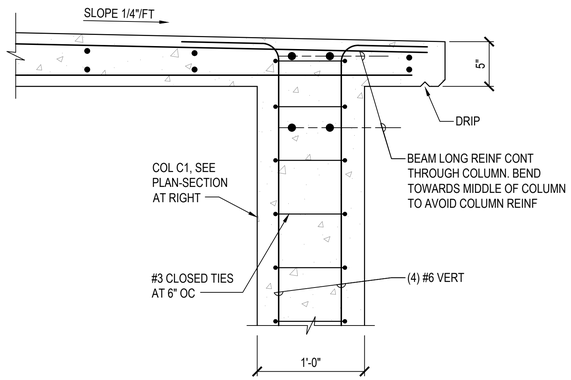
SCALE: 1 1/2" = 1'-0"



NOTE:
DO NOT INSTALL DOWELS INTO THE EXISTING EAVE AT LOCATIONS PLAN-NORTH OF THE EXISTING BUILDING EXPANSION JOINT

5 SECTION - ROOF AT (E) EAVE

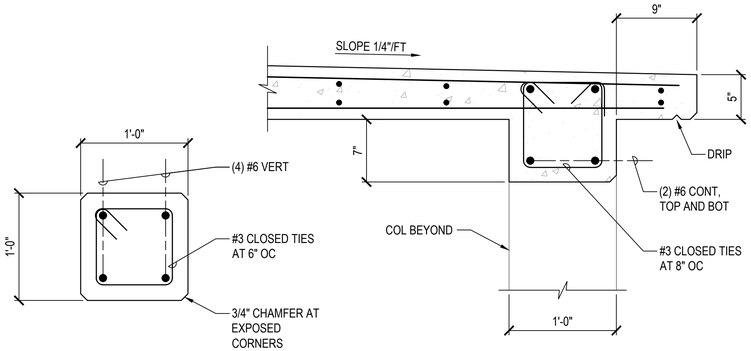
SCALE: 1 1/2" = 1'-0"



SECTION AT COLUMN

4 SECTION AT ROOF OVER RAMP

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



COLUMN C1 PLAN-SECTION

ROOF BEAM RB1

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TMK#: 4-6-014:113

FILENAME:
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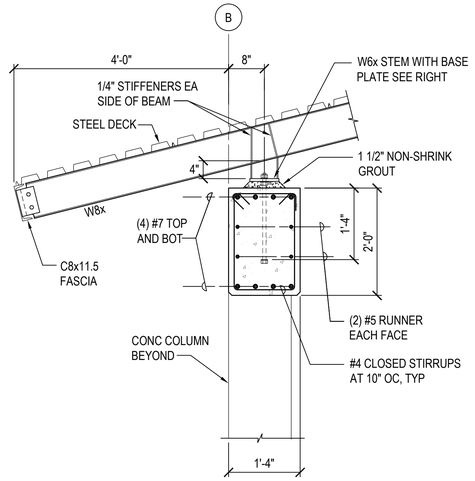
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SECTIONS

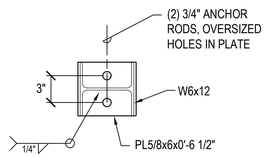
SCALE:

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PROJECT NO.	DRAWING NO.
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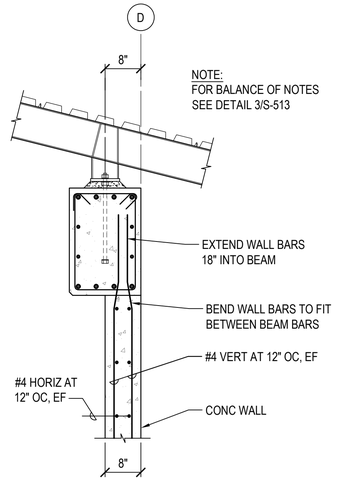
PLAN-SECTION

RAFTER/HIP BEARING PLATE

SC: 1 1/2" = 1'-0"

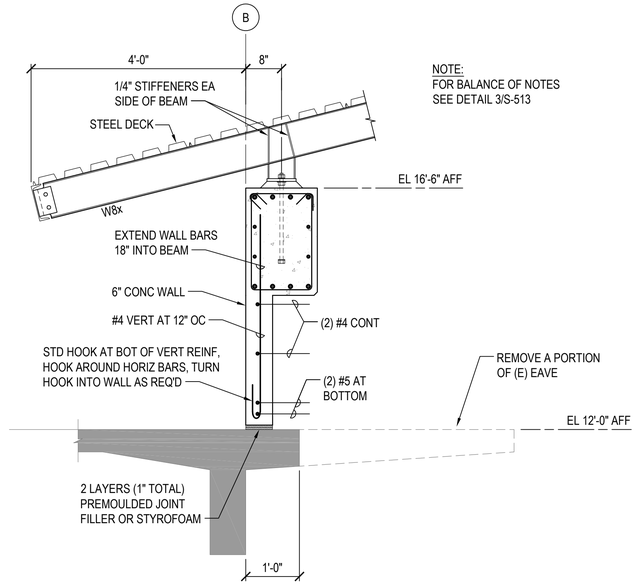
3 RB3 AND UPPER ROOF EAVE DETAIL

SCALE: 3/4" = 1'-0"



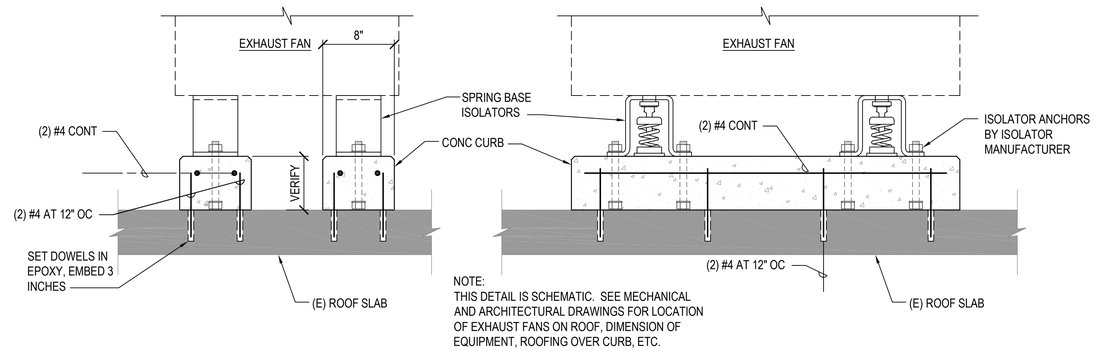
2 SECTION

SCALE: 3/4" = 1'-0"



1 SECTION

SCALE: 3/4" = 1'-0"



SECTION

ELEVATION

NOTE:
THIS DETAIL IS SCHEMATIC. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR LOCATION OF EXHAUST FANS ON ROOF, DIMENSION OF EQUIPMENT, ROOFING OVER CURB, ETC.

4 CURB AT (E) ROOF FOR MECH EQUIPMENT

SCALE: NOT TO SCALE

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FILENAME:
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DRAWING TITLE
SECTIONS

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AUTOMATIC FIRE SPRINKLER SYSTEM NOTES

1. FIRE PROTECTION CONTRACTOR MUST SUBMIT FIRE SPRINKLER SHOP DRAWINGS TO THE SPECIAL INSPECTOR FOR REVIEW AND APPROVAL AND TO BE LOGGED WITH DPP AS PART OF THE PERMIT SET. TWO (2) SETS OF COMPLETED WORKING PLANS AND HYDRAULIC CALCULATIONS STAMPED AND SIGNED BY A HAWAII LICENSED MECHANICAL ENGINEER MUST BE SUBMITTED, AS APPLICABLE, TO THE THE FIRE PROTECTION SPECIAL INSPECTOR (FPSI) FOR CODE COMPLIANCE REVIEW. ONE (1) SET WITH THE FPSI APPROVAL STAMP MUST BE SUBMITTED TO THE DPP BUILDING DIVISION ALONG WITH THE FPSI FINAL REPORT/LETTER PRIOR TO CLOSING THE BUILDING PERMIT.
2. THE SPRINKLER SYSTEM MUST BE DESIGNED ACCORDANCE WITH NFPA 13-2016 AND SPEC SECTION 13930. THE CONTRACTOR MUST VERIFY THE LOCATION OF ALL SPRINKLER SYSTEM COMPONENTS AND COORDINATE WITH THE VARIOUS TRADES.
3. ALL DEVICES AND EQUIPMENT MUST BE UL LISTED OR FM APPROVED.
4. WET PIPE AUTOMATIC FIRE SPRINKLER SYSTEMS MUST BE PROVIDED THROUGHOUT THE BUILDING
5. WATER SUPPLY INFORMATION IS AS FOLLOWS:

   WATER SUPPLY LOCATION: ON SITE HYDRANT
   STATIC PRESSURE: 95 PSI
   FLOW: 1,130 GPM @ 70 PSI

   SPRINKLER DESIGN CALCULATIONS MUST INCLUDE A MINIMUM 10% SAFETY FACTOR APPLIED TO THE WATER SUPPLY DATA.
6. THE SPRINKLER SYSTEM MUST BE HYDRAULICALLY DESIGNED IN ACCORDANCE WITH NFPA 13 SPRINKLER SYSTEM DESIGN CRITERIA MUST BE AS FOLLOWS:

   EMERGENCY DEPARTMENT SPACES:

OCCUPANCY HAZARD CLASSIFICATION:	ORDINARY HAZARD GROUP 1
DESIGN DENSITY:	0.15 GPM/SF
DESIGN METHOD:	AREA/DENSITY
DESIGN AREA:	1,500 SF
SPRINKLER TYPE:	QUICK RESPONSE
SPRINKLER K-FACTOR:	K = 5.6 MINIMUM
SPRINKLER TEMPERATURE:	ORDINARY
HOSE STREAM:	250 GPM
DURATION:	60 MINUTES

7. SPRINKLERS MUST BE LOCATED IN THE CENTER OF CEILING TILES WHERE APPLICABLE.
8. SPRINKLER PIPING MUST COMPLY WITH NFPA 13. FLEXIBLE SPRINKLER HOSE IS PERMITTED. ALL PIPING AND FITTINGS ON THE FIRE SPRINKLER RISER MUST BE PAINTED. ALL PIPING ON THE WET PIPE SYSTEM MUST BE SCHEDULE 40 BLACK STEEL FOR 2" AND LESS AND MINIMUM SCHEDULE 10 FOR ALL OTHER SIZES. CPVC PPING IS PERMITTED FOR THE RESIDENTIAL FLOORS. ALL PIPING IN FINISHED AREAS MUST BE CONCEALED.
9. THE PIPE ROUTING AND SPRINKLER LOCATIONS ARE CONCEPTUAL. THE CONTRACTOR MUST INSTALL THE SYSTEM IN ACCORDANCE WITH THE APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS, AND EQUIPMENT LISTINGS.
10. EARTHQUAKE SWAY BRACING AND RESTRAINTS MUST BE PROVIDED FOR THE SPRINKLER PIPING IN ACCORDANCE WITH NFPA 13.
11. ALL SPRINKLERS IN UNCONDITIONED AREAS AND AREAS EXPOSED TO THE ELEMENTS MUST BE CORROSION RESISTANT, ELECTROLESS NICKEL PLATED. ALL SPRINKLER PIPING MUST BE PAINTED IN ACCORDANCE WITH PAINTING SPECIFICATION.
12. PROVIDE LISTED SPRINKLER GUARDS IN ACCORDANCE WITH NFPA 13.
13. CONDUCT INSPECTIONS AND HYDROSTATIC TESTS IN ACCORDANCE WITH NFPA 13.
14. SPRINKLER PIPING PENETRATING FIRE RATED WALLS, FLOORS, CEILINGS, AND PARTITIONS MUST BE PROVIDED WITH A UL LISTED FIRE STOPPING SOLUTION TO PROPERLY SEAL AROUND PIPING WITHIN THE PENETRATION.
15. PROVIDE ANNULAR SPACE AROUND PIPE THROUGH CONCRETE AND MASONRY WALLS IN ACCORDANCE WITH NFPA 13.
16. PROVIDE AIR VENTS AT ALL HIGH POINTS OF THE SYSTEM. IF THERE ARE MULTIPLE HIGH POINTS, MULTIPLE AIR VENTS ARE REQUIRED.
17. SPRINKLER PIPING MUST NOT BE ROUTED THROUGH ELECTRICAL OR TELECOM ROOMS.

FIRE ALARM NOTES

1. THE FIRE ALARM SYSTEM MUST BE DESIGNED AND INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 13930, HONOLULU BUILDING CODE, NFPA 1-2021, NFPA 70-2017, AND NFPA 72-2016.
2. ALL DEVICES AND EQUIPMENT MUST BE UL LISTED OR FM APPROVED.
3. EXISTING SYSTEM IS MADE BY EDWARDS SYSTEM TECHNOLOGY. ALL NEW EQUIPMENT MUST BE LISTED FOR USE WITH THE EXISTING PANEL.
4. DEVICE LOCATIONS AND CONDUIT ROUTING ARE CONCEPTUAL. FINAL QUANTITY AND LAYOUT MUST BE IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS, AND EQUIPMENT LISTINGS. COORDINATE LOCATIONS WITH OTHER SYSTEMS (EX. LIGHTING, SPRINKLER, HVAC, ETC.).
5. INSTALLATION DRAWINGS, SHOP DRAWINGS, AND AS-BUILT DRAWINGS MUST BE PREPARED BY, OR UNDER THE SUPERVISION OF, AN EXPERIENCED TECHNICIAN WHO IS CURRENTLY CERTIFIED BY THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET) AS AN ENGINEERING TECHNICIAN WITH A MINIMUM LEVEL-III CERTIFICATION IN THE FIRE ALARM SYSTEM PROGRAM. DATA SHOWING THE NAME AND CERTIFICATION OF THE TECHNICIAN MUST BE PROVIDED PRIOR TO THE SUBMITTAL OF DRAWINGS.
6. SUBMITTALS MUST BE MADE TO THE OWNER. WORK MUST NOT COMMENCE UNTIL SUBMITTALS, INCLUDING SHOP DRAWINGS, HAVE BEEN APPROVED. SUBMITTALS MUST INCLUDE MANUFACTURER'S CATALOG DATA, SHOP DRAWINGS, DESIGN DATA AND OPERATION AND MAINTENANCE MANUALS. DESIGN DATA MUST INCLUDE BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS AND AMPLIFIER POWER CALCULATIONS.
7. SMOKE DETECTORS MUST BE LOCATED A MINIMUM OF 3 FEET FROM SUPPLY AND RETURN AIR DIFFUSERS.
8. TESTING MUST BE PERFORMED IN ACCORDANCE WITH NFPA 72. PRIOR TO FORMAL ACCEPTANCE, FUNCTIONAL AND OPERATIONAL TESTS MUST BE PERFORMED. A FIRE ALARM SYSTEM INSPECTION AND TESTING FORM AND A RECORD OF COMPLETION, SIMILAR TO THAT FOUND IN NFPA 72, MUST BE COMPLETED BY THE CONTRACTOR.
9. THE FIRE ALARM SYSTEM MUST BE WARRANTED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP AND ANY DEFECTS NOT DUE TO ORDINARY WEAR AND TEAR FOR A PERIOD OF ONE (1) YEAR STARTING FROM THE DATE OF FINAL SYSTEM ACCEPTANCE BY THE OWNER.
10. AT LEAST TWO (2) HOURS OF INSTRUCTION TIME COVERING THE OPERATION OF THE FIRE ALARM SYSTEM MUST BE PROVIDED AFTER FINAL ACCEPTANCE OF THE SYSTEM.
11. ENSURE FIRE ALARM SYSTEM AUDIBILITY AND VISIBILITY IS ADEQUATE THROUGH ALL OCCUPIABLE AREAS AND SPACES. THIS WILL BE THOROUGHLY CHECKED AT TIME OF FIRE ALARM ACCEPTANCE TESTING.
12. NFPA 1 2018 - 13.7.1.1 WHERE BUILDING FIRE ALARM SYSTEMS OR AUTOMATIC FIRE DETECTORS ARE REQUIRED BY OTHER SECTIONS OF THIS CODE, THEY MUST BE PROVIDED AND INSTALLED IN ACCORDANCE WITH NFPA 70, NFPA 72, AND SECTION 13.7.
13. FIRE ALARM RACEWAY PENETRATING FIRE RATED WALLS, FLOORS, CEILINGS, AND PARTITIONS MUST BE PROVIDED WITH UL LISTED FIRE STOPPING SOLUTION TO PROPERLY SEAL AROUND RACEWAY WITHIN THE PENETRATION.

PLUMBING NOTES

1. ALL HORIZONTAL SOIL, WASTE, AND STORM DRAIN PIPING SHALL BE SLOPED AT MINIMUM 1/4" PER FOOT UNLESS OTHERWISE NOTED.
2. SUPPORT HORIZONTAL LINES OF COPPER TUBING WITH HANGERS SPACE NOT MORE THAN 6 FEET, CENTER TO CENTER FOR ALL PIPE SIZES. ALL PIPES SHALL BE SUPPORTED AT ELBOWS, BRANCHES AND RISERS.
3. SUPPORT HORIZONTAL CAST IRON SOIL PIPE WITH HANGER, OR PIER, TWO FOR EACH 5 FOOT PIPE LENGTH. LOCATE SUPPORT CLOSE TO JOINTS EXCEPT, PIPE EXCEEDING 5 FEET IN LENGTH SHALL BE SUPPORTED AT NO MORE THAN 5 FOOT INTERVALS. SUPPORTS SHALL BE LOCATED ON BOTH SIDES OF ALL JOINTS AND WITHIN 6" OF THE JOINT.
4. ALL DOMESTIC COLD WATER PIPES LOCATED ON THE ROOF OR OTHER LOCATIONS EXPOSED TO DIRECT SUNLIGHT SHALL BE INSULATED.
5. ALL PIPE INSULATION EXPOSED TO WEATHER OR EXPOSED WITHIN 7'-0" ABOVE THE FINISHED FLOOR SHALL BE PROVIDED WITH 0.016" THICK ALUMINUM JACKETING.
6. DISINFECT NEW WATER PIPING PER IPC.
7. THE CONTRACTOR SHALL CONFIRM THERE IS NO OBJECTIONABLE ODOR OBSERVED IN THE POSITIVE PRESSURE MEDICAL GAS TUBING PRIOR TO ACCEPTANCE FROM THE SUPPLIER.
8. WAGD SYSTEM PIPING SHALL BE CONNECTED TO THE VACUUM PIPING A MINIMUM OF 5' AWAY FROM ANY VACUUM INLET.

APPLICABLE CODES & STANDARDS

- INTERNATIONAL BUILDING CODE 2018
- UNIFORM PLUMBING CODE 2021
- ASHRAE 90.1-2013, ENERGY STANDARDS FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS
- ASHRAE 189.1-2017, STANDARD FOR THE DESIGN OF HIGH-PERFORMANCE GREEN BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS
- FGI, 2018 EDITION, GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES
- NFPA 30, 2018 EDITION, FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE
- NFPA 55, 2020 EDITION, COMPRESSED GASES AND CRYOGENIC FLUIDS CODE
- NFPA 99, 2018 EDITION, GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES

FIRE SAFETY NOTES

10.8.1.1 NECESSARY DURING EMERGENCIES, MAINTENANCE, DRILLS, PRESCRIBED TESTING, ALTERATIONS, OR RENOVATIONS, PORTABLE OR FIXED FIRE EXTINGUISHING SYSTEM OR DEVICE OR ANY FIRE-WARNING SYSTEMS SHALL BE PERMITTED TO BE MADE INOPERATIVE OR INACCESSIBLE. A FIRE WATCH SHALL BE REQUIRED AS SPECIFIED IN SECTIONS 13.3.4.3.5.2(3), 13.7.1.4.4, 16.5.4, 20.2.3.6, 34.6.3.3, 41.2.2.5, 41.2.2.6, 41.2.4, 41.3.4, 41.4.1, 34.5.4.3, AND 25.1.8 AT NO COST TO THE AUTHORITY HAVING JURISDICTION.

16.1 GENERAL REQUIREMENTS.

16.1.1 STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND THIS CHAPTER.

16.1.2 A FIRE PROTECTION PLAN SHALL BE ESTABLISHED WHERE REQUIRED BY THE AHJ.

16.1.3 IN BUILDINGS UNDER CONSTRUCTION, ADEQUATE ESCAPE FACILITIES SHALL BE MAINTAINED AT ALL TIMES FOR THE USE OF CONSTRUCTION WORKERS. ESCAPE FACILITIES SHALL CONSIST OF DOORS, WALKWAYS, STAIRS, RAMPS, FIRE ESCAPES, LADDERS, OR OTHER APPROVED MEANS OR DEVICES ARRANGED IN ACCORDANCE WITH THE GENERAL PRINCIPLES OF CHAPTER 14 AND NFPA 101, LIFE SAFETY CODE, INSOFAR AS THEY CAN REASONABLY BE APPLIED TO BUILDINGS UNDER CONSTRUCTION. [101:4.6.10.2]

16.1.4 FIRE DEPARTMENT ACCESS ROADS PROVIDED IN ACCORDANCE WITH 18.2.3 SHALL BE PROVIDED AT THE START OF A PROJECT AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.

16.4.3 FIRE PROTECTION DURING CONSTRUCTION

16.4.3.1 WATER SUPPLY

16.4.3.1.1 A WATER SUPPLY FOR FIRE PROTECTION, EITHER TEMPORARY OR PERMANENT, SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ACCUMULATES AND BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION.

16.4.4.1 WHERE BUILDING IS PROTECTED BY FIRE-PROTECTION SYSTEMS, SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION.

16.4.4.2 WHERE ALTERATION REQUIRES MODIFICATION OF A PORTION OF A FIRE PROTECTION SYSTEM, THE REMAINDER OF THE SYSTEM SHALL BE KEPT IN SERVICE AND THE FIRE DEPARTMENT SHALL BE NOTIFIED.

16.4.4.3 WHEN IT IS NECESSARY TO SHUT DOWN THE SYSTEM, THE AUTHORITY HAVING JURISDICTION SHALL HAVE THE AUTHORITY TO REQUIRE ALTERNATE MEASURES OF PROTECTION UNTIL THE SYSTEM IS RETURNED TO SERVICE.

16.4.4.4 THE FIRE DEPARTMENT SHALL BE NOTIFIED WHEN THE SYSTEM IS SHUT DOWN AND WHEN THE SYSTEM IS RETURNED TO SERVICE.

GENERAL NOTES

1. CONFORM TO ALL REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL PLUMBING CODE (IPC), INTERNATIONAL MECHANICAL CODE (IMC), UNIFORM FIRE CODE, NATIONAL ELECTRIC CODE (NEC), ENERGY CONSERVATION CODE, AND ALL OTHER AGENCIES HAVING JURISDICTION.
2. WORK SHALL CONFORM TO ALL APPLICABLE CODES AND STANDARDS UNLESS CONTRACT DOCUMENTS ARE MORE STRINGENT.
3. ALL WORK SHOWN ON THESE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED.
4. EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE. BIDDERS SHALL VISIT THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL DETAILS OF WORK AND WORKING CONDITIONS BEFORE SUBMITTING THEIR BID. REASONABLE MODIFICATIONS IN LOCATION AND ARRANGEMENTS TO SUIT JOB CONDITIONS SHALL NOT CONSTITUTE BASIS FOR REQUESTING OF ADDITIONAL FUNDS FROM THE GOVERNMENT.
5. PRIOR TO ORDERING MATERIALS AND PROCURING EQUIPMENT, SUCCESSFUL BIDDER (CONTRACTOR) SHALL BE REQUIRED TO VERIFY ALL CONDITIONS, INCLUDING BUT NOT LIMITED TO EQUIPMENT, MATERIALS, SIZES, DIMENSIONS, INVERTS, AND VOLTAGES THAT AFFECT HIS WORK. SUBMIT A LETTER TO THE CONTRACTING OFFICER CONFIRMING THAT THIS WAS DONE. IF WRITTEN CONFIRMATION IS NOT RECEIVED BY THE CONTRACTING OFFICER, SHOP DRAWINGS AND OTHER SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. SHOW ALL DISCREPANCIES ON SHOP DRAWINGS AND NOTIFY THE CONTRACTING OFFICER IN WRITING OF SUCH DISCREPANCIES PRIOR TO PROCUREMENT.
6. ALL UTILITIES AND APPURTENANCES SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION, AND IF DAMAGED, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE GOVERNMENT.
7. ALL FASTENERS, SUPPORTS, HANGERS, SPRING ISOLATORS, AND MISCELLANEOUS STEEL ITEMS INCLUDING BUT NOT LIMITED TO BOLTS, NUTS, SCREWS, RODS, PLATES, AND ANGLES, ETC. SHALL BE TYPE 316L STAINLESS STEEL OUTSIDE THE BUILDING AND GALVANIZED STEEL INSIDE OF THE BUILDING UNLESS OTHERWISE NOTED OR SPECIFIED.
8. REFER TO PROJECT MANUAL (SPECIFICATIONS) FOR ADDITIONAL REQUIREMENTS. PLANS AND SPECIFICATIONS SHALL BE TAKEN TOGETHER. PROVIDE ALL WORK CALLED FOR IN EITHER.
9. FURNISH ALL EQUIPMENT, MATERIALS, LABOR, TOOLS, ETC., REQUIRED FOR THE INSTALLATION OF THE COMPLETE AND OPERATING SYSTEM. ALL EQUIPMENT AND MATERIALS SHALL BE NEW UNLESS OTHERWISE NOTED.
10. DO NOT ALLOW ANY WORK TO BE COVERED UP OR ENCLOSED UNTIL INSPECTED, TESTED AND APPROVED BY THE GOVERNMENT OR AUTHORITY HAVING JURISDICTION.
11. THIS CONTRACT REQUIRES THE PLUMBING, FIRE PROTECTION, EMCS, AND MECHANICAL SUBCONTRACTORS TO CAREFULLY COORDINATE THEIR WORK WITH EACH OTHER, THE GENERAL CONTRACTOR AND OTHER TRADES. PRIORITY SHALL BE GIVEN IN THE FOLLOWING ORDER:
    A. GRAVITY FLOW; SEWER, STORM DRAIN, DOWNSPOUT AND CONDENSATE DRAIN PIPING.
    B. EQUIPMENT AND DUCTWORK.
    C. FORCED AND PRESSURE PIPING SUCH AS WATER, FIRE SPRINKLER, AND GAS PIPING.
12. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS FOR MECHANICAL ITEMS REQUIRING SERVICING AND MAINTENANCE SUCH AS, BUT NOT LIMITED TO VOLUME DAMPERS, FIRE/SMOKE DAMPERS, FIRE DAMPERS, CONDENSATE DRAINS, VALVES, ETC. PROVIDE FIRE-RATED ACCESS PANELS WHERE REQUIRED. COORDINATE TYPE OF ACCESS PANEL WITH WALL OR CEILING CONTRACTOR. ACCESS PANELS SHALL BE 30"x30" MINIMUM UNLESS OTHERWISE NOTED.
13. CONTRACTOR SHALL PROVIDE DIELECTRIC UNIONS, NIPPLES OR FLANGES AT CONNECTION POINTS FOR ALL DISSIMILAR METALS.
14. DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL OFFSETS IN PIPING. COORDINATE THIS WORK WITH THE WORK OF OTHER TRADES AND PROVIDE ALL NECESSARY OFFSETS.
15. ALL PENETRATIONS OF REQUIRED FIRE-RATED WALLS, PARTITIONS, AND FLOORS SHALL BE PROVIDED WITH FIRE STOPPING MATERIAL AS REQUIRED AND IN ACCORDANCE WITH ASTM E 814, FM P7825, AND UL 1479.
16. NO CUTTING OR DRILLING OF ANY STRUCTURAL MEMBERS WILL BE PERMITTED WITHOUT THE APPROVAL OF THE ARCHITECT.
17. INSTALL ALL PIPING AS HIGH AS POSSIBLE IN CEILING PLENUM TO ALLOW FOR FUTURE WORK.
18. PAINT ALL EXPOSED PIPING TO MATCH SURROUNDING COLOR. PROVIDE ESCUTCHEONS WHERE EXPOSED PIPING PENETRATES FINISHED WALLS AND CEILINGS.

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_M24.rvt

DRAWING TITLE
PLUMBING NOTES

SCALE: 12" = 1'-0"

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PROJECT NO.	DRAWING NO.
225057-01	P-001
SHEET ISSUE DATE: 02/27/26	

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PIPING SYMBOLS

- VALVE
- GATE VALVE
- NEEDLE VALVE
- BALL VALVE
- GLOBE VALVE
- PLUG VALVE
- STOP COCK
- OS & Y GATE VALVE
- MOTORIZED(M) OR SOLENOID(S) VALVE
- 3 WAY MOTORIZED OR SOLENOID VALVE
- BUTTERFLY VALVE
- PRESSURE REDUCING VALVE
- PRESSURE REGULATOR
- PRESSURE SAFETY VALVE
- SPECIAL VALVE
- STRAINER WITH BLOW DOWN
- STRAINER
- UNION
- FLOW SWITCH
- PRESSURE SWITCH
- CHECK VALVE
- SPRING CHECK VALVE
- BACKFLOW PREVENTER
- BALANCE VALVE
- BALANCE VALVE (AUTOMATIC)
- BASKET STRAINER
- FIRE DEPT. CONNECTION
- HOSE BIBB
- HOSE THREAD DRAIN VALVE (1)
- HOSE THREAD BALL DRAIN VALVE (1)

(1) INDICATES TO PROVIDE W/ END CAP.

- REDUCER, CONCENTRIC
- REDUCER, ECCENTRIC
- PT PLUG
- END CAP
- BLIND FLANGE
- FLANGES
- HOSE QUICK DISCONNECT
- MED GAS OUTLET

- PIPE ELBOW DOWN
- PIPE ELBOW UP
- PIPE TEE UP
- PIPE TEE DOWN
- PIPE SLOPE DIRECTION DOWN (S=2%)
- FLOW DIRECTION
- THERMOWELL
- THERMOMETER (LIQUID IN GLASS)
- DIAL THERMOMETER
- PRESSURE GAUGE W/ COCK
- PRESSURE GAUGE W/ COCK & SIPHON
- AIR VENT — C - COIN; M - MANUAL; A - AUTOMATIC; H - HIGH VOLUME
- EXPANSION LOOP
- EXPANSION JOINT
- EXPANSION GUIDE
- FLEX COUPLING
- ANCHOR
- WALL CLEANOUT
- FLOOR CLEAN OUT
- FLOOR DRAIN
- ROOF OVERFLOW DRAIN
- ROOF DRAIN
- PUMP (ARROWHEAD INDICATES FLOW DIRECTION)
- COLD WATER, CW
- HOT WATER, HW
- HOT WATER CIRCULATION
- NONPOTABLE WATER (NPW)
- OXYGEN (O2)
- MEDICAL COMPRESSED AIR (MA)
- MEDICAL VACUUM (VAC)
- MEDICAL NITROUS OXIDE (NO)

GENERAL

NOTES:

1 SPECIFIC TO LOCATION INDICATED.

1. NOTE APPLIES TO ENTIRE SHEET.

XX-X UNDERLINED DESIGNATOR HAS SCHEDULED VALUES, SEE MECHANICAL SCHEDULES.

LINETYPES

- EXISTING (THIN)
- NEW (MEDIUM)

(E) EXISTING
(N) NEW
CONNECT TO EXISTING

ABBREVIATIONS

ABV	ABOVE
AFF	ABOVE FINISH FLOOR
AHU	ABOVE GROUND
BLDG	ARCHITECT OR ARCHITECTURAL BUILDING
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CLG	CEILING
CO	CLEANOUT
CONC	CONCRETE
CONN	CONNECT OR CONNECTION
CONT	CONTINUATION
COP	COEFFICIENT OF PERFORMANCE
CU	COPPER
CW	COLD WATER
DB	DRY BULB
DBA	DIAMETER OR PHASE
DN	DOWN
DWG	DRAWING
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN OR FIRE DAMPER
FF	FINISH FLOOR
FLR	FLOOR
FS	FLOOR SINK
FT	FEET
GAL	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
HZ	HERTZ
ID	INDIRECT DRAIN
IN	INCH OR INCHES
KW	KILOWATT
KWH	KILOWATT HOUR
LAV	LAVATORY
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSANDS BTU PER HOUR
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
O	OXYGEN
PH	PHASE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
REV	REVISION(S)
RPM	REVOLUTION PER MINUTE
SK	SINK
SQFT	SQUARE FOOT/FEET
SS	STAINLESS STEEL
TYP	TYPICAL
UR	URINAL
V	VOLTS
W/	WITH
WB	WET BULB
WC	WATER CLOSET

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

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PLUMBING LEGEND ABBREV AND NOTES

SCALE: 12" = 1'-0"

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225057-01	P-002

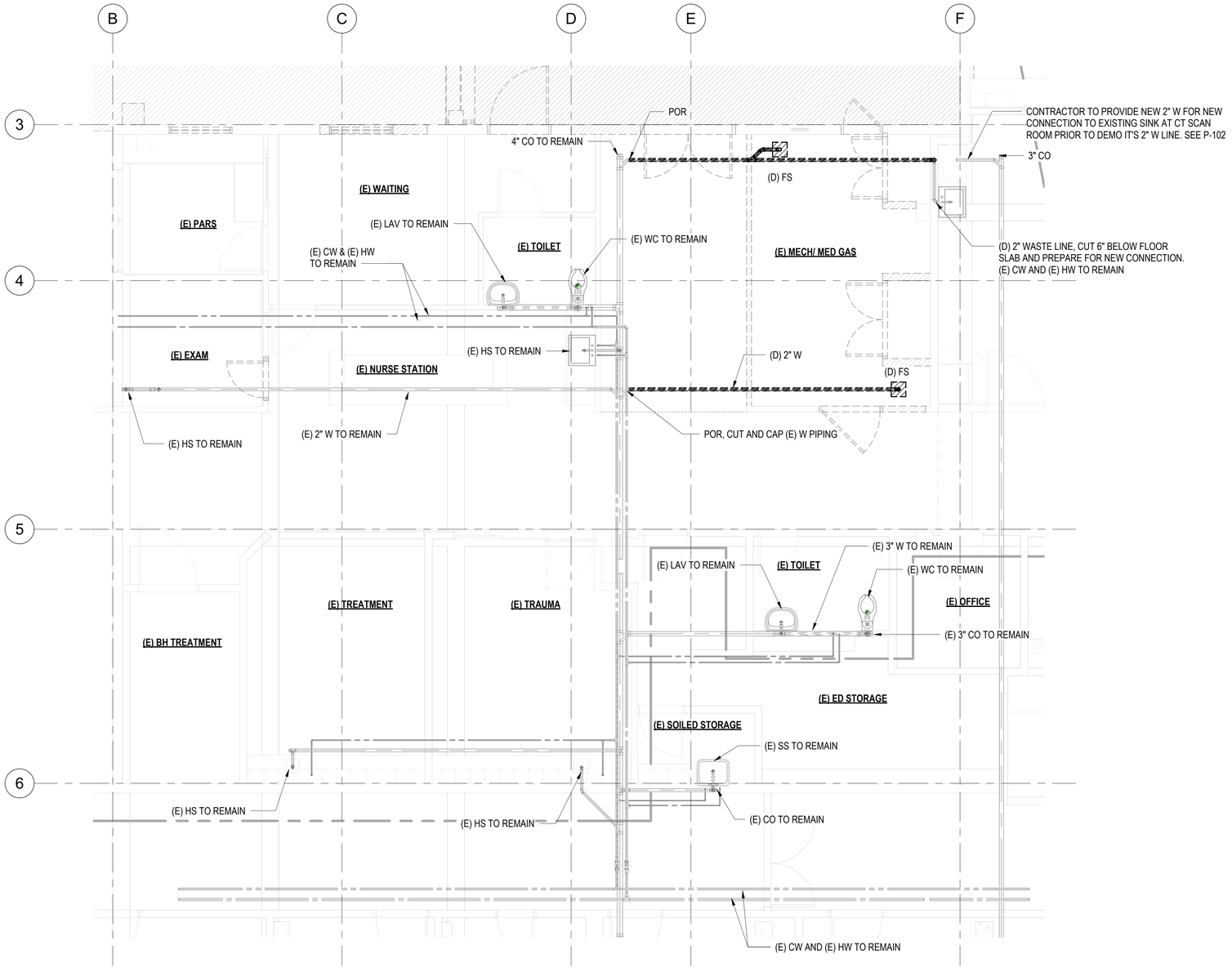
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DEMO KEY NOTES

Key Value	Keynote Text
1	REMOVE CW AND HW NOT LEAVING ANY DEAD LEGS FOR ALL WATER LINES, CUT AND CAP SANITARY PIPE BELOW FLOOR. REMOVE VENT PIPE UP TO 6" BELOW ROOF SLAB.



1 PARTIAL FLOOR PLUMBING DEMO PLAN - STAGE A
1/4" = 1'-0"

8' 4' 0' 8' 16'

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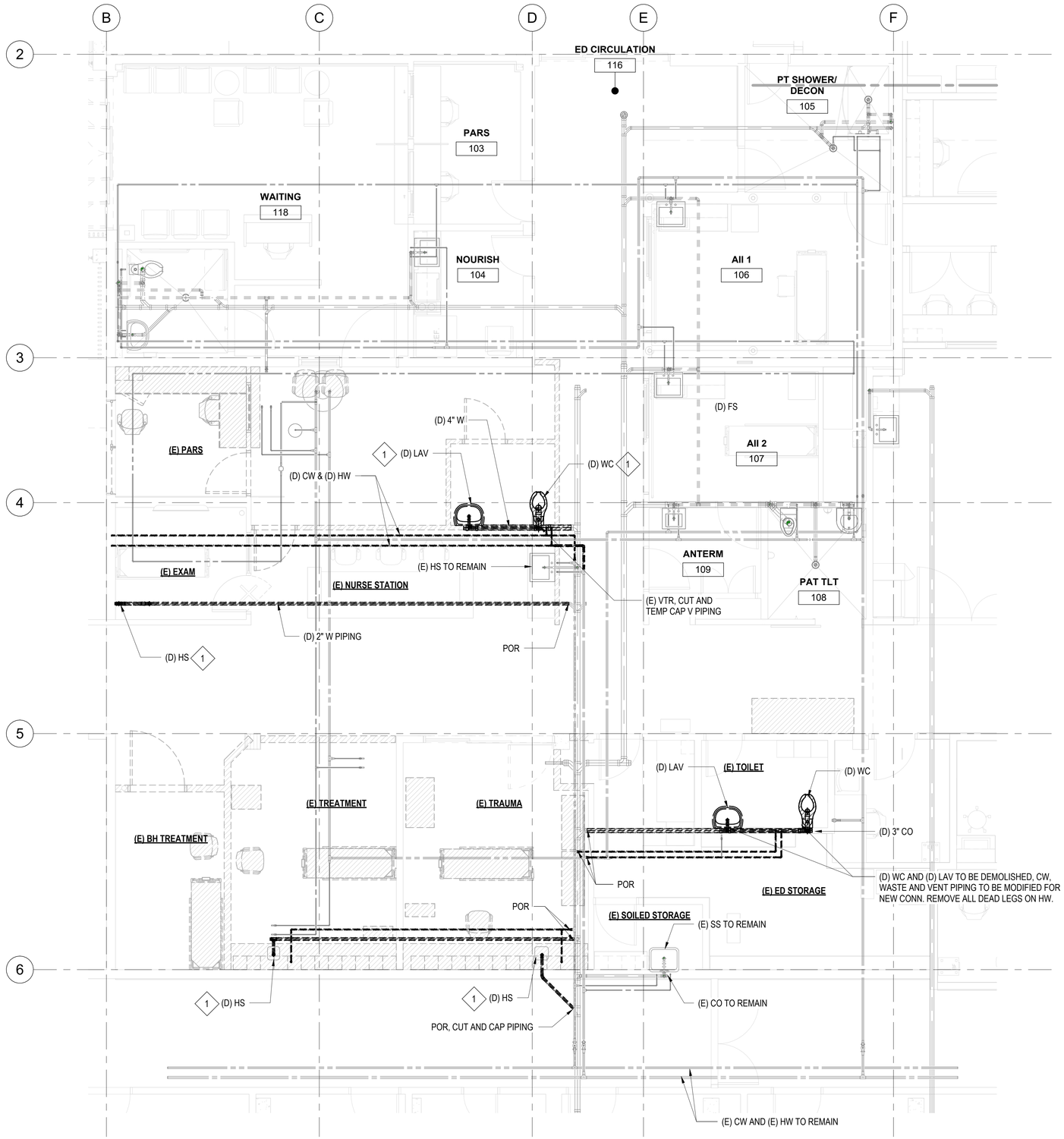
DRAWING TITLE
PARTIAL PLUMBING DEMO PLAN - STAGE A

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

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PROJECT NO. 225057-01	DRAWING NO. PD-101
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1 PARTIAL FLOOR PLUMBING DEMO PLAN - STAGE B

1/4" = 1'-0"

8' 4' 0' 8' 16'

DEMO KEY NOTES

Key Value	Keynote Text
1	REMOVE CW AND HW NOT LEAVING ANY DEAD LEGS FOR ALL WATER LINES, CUT AND CAP SANITARY PIPE BELOW FLOOR. REMOVE VENT PIPE UP TO 6" BELOW ROOF SLAB.

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DRAWING TITLE

PARTIAL PLUMBING DEMO PLAN - STAGE B

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

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PROJECT NO.	DRAWING NO.
225057-01	PD-102

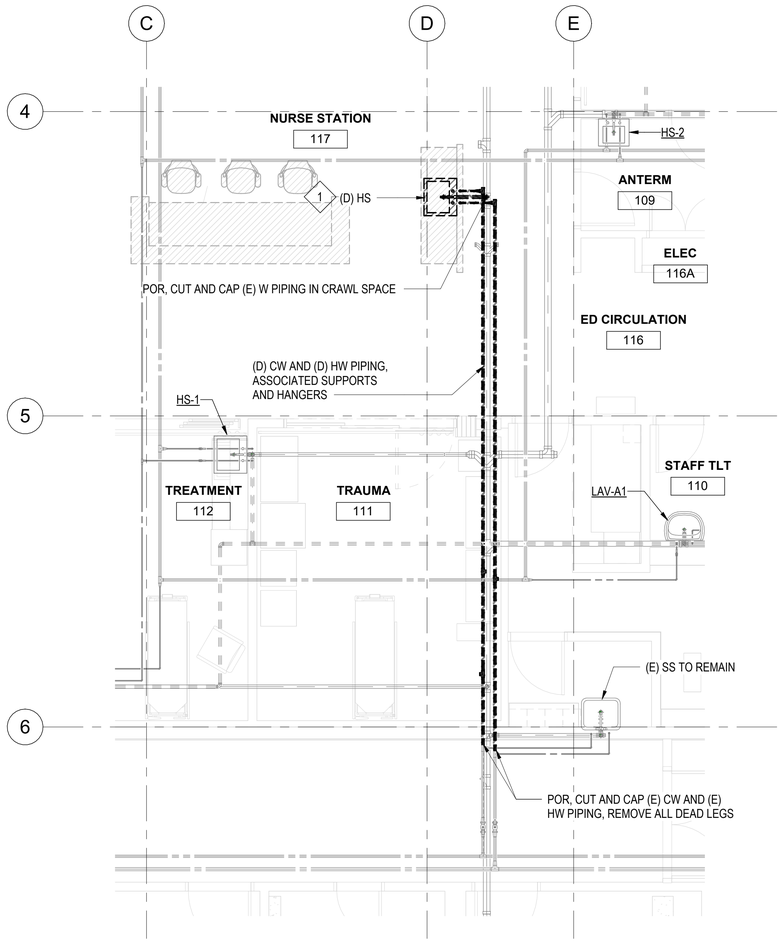
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DEMO KEY NOTES

Key Value	Keynote Text
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1 PARTIAL FLOOR PLUMBING DEMO PLAN - STAGE C

1/4" = 1'-0"

8' 4' 0' 8' 16'

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

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FILENAME:

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DRAWING TITLE

PARTIAL PLUMBING DEMO PLAN - STAGE C

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

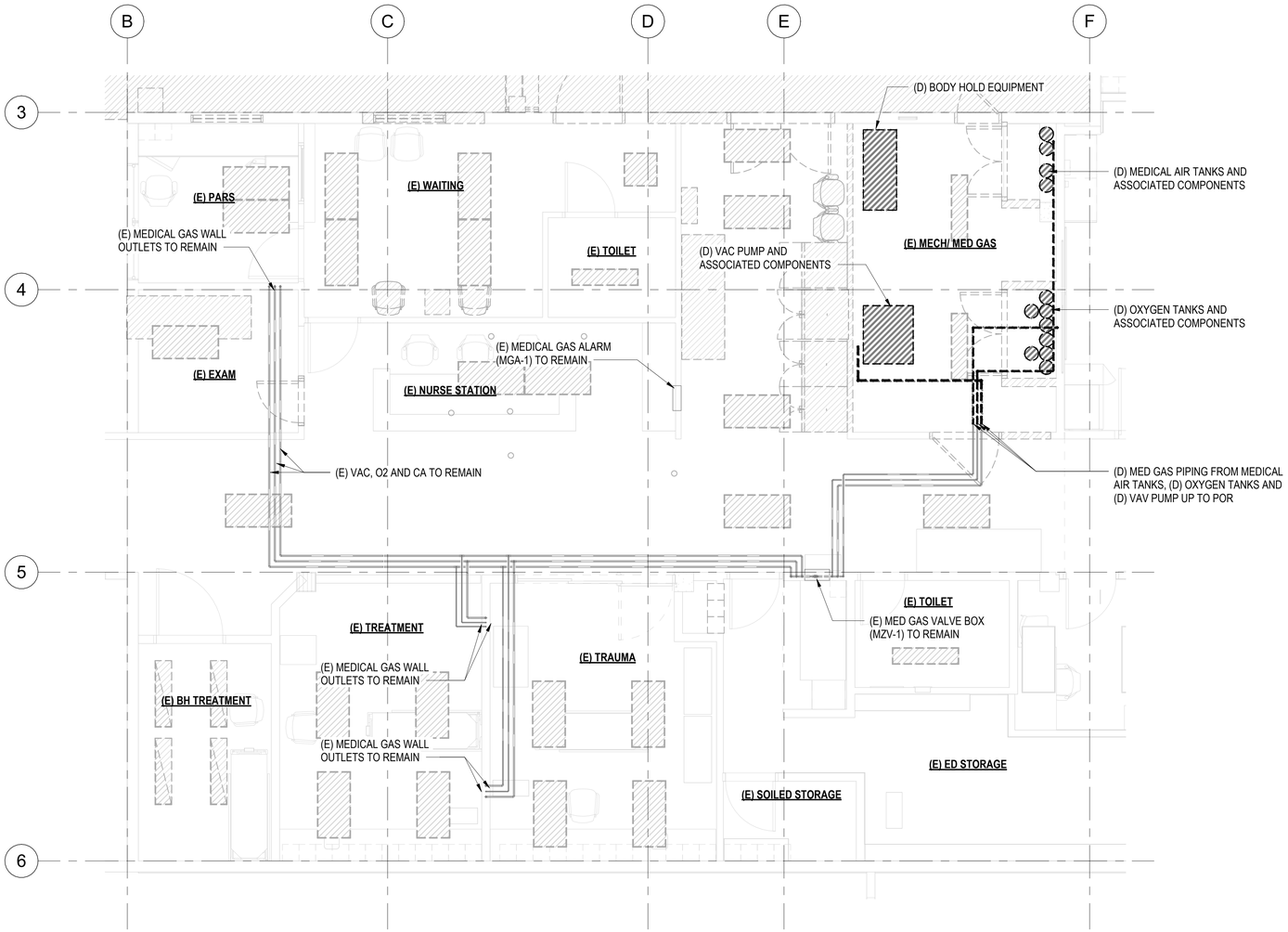
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PROJECT NO.	DRAWING NO.
225057-01	PD-103
SHEET ISSUE DATE: 02/27/26	

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NOTES

1. CONTRACTOR MUST PROVIDE NEW MEDICAL NEW GAS PIPING AS SHOWN ON P-105 PRIOR TO DEMO WORK AS SHOWN ON THIS SHEET. CONTRACTOR TO PROVIDE NEW MED GAS PIPING AND CONNECT TO EXISTING MEDICAL PIPES SERVING EMERGENCY DEPARTMENT TO KEEP THE FACILITY OPERATIONAL DURING THE DEMO WORK ON STAGE A



1 PARTIAL FLOOR MED GAS PIPING DEMO PLAN - STAGE A
1/4" = 1'-0"

8' 4' 0' 8' 16'

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_M24.rvt

DRAWING TITLE
PARTIAL FLOOR MED GAS PIPING DEMO PLAN - STAGE A

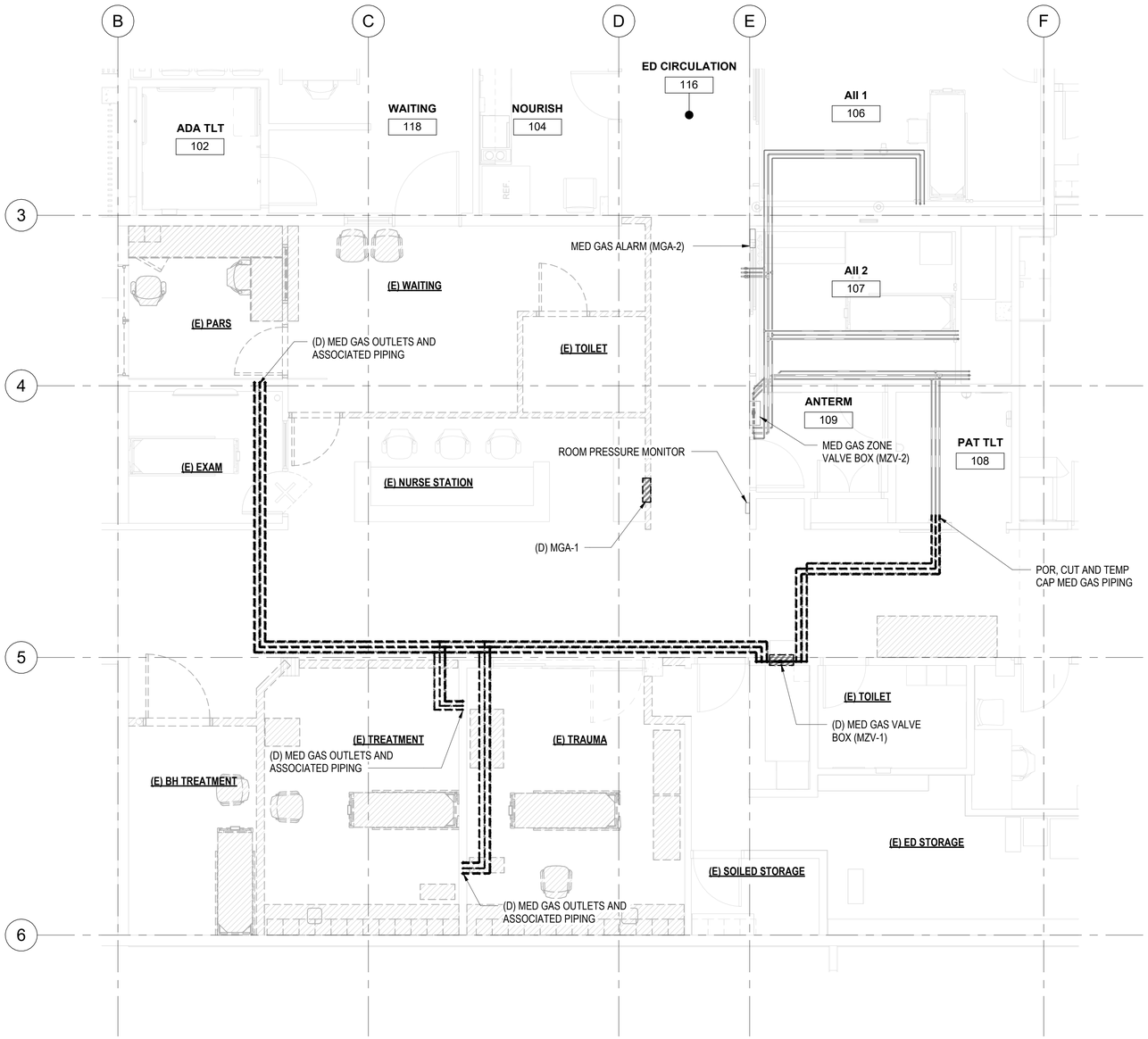
SCALE: 1/4" = 1'-0"

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PROJECT NO.	DRAWING NO.
225057-01	PD-104
SHEET ISSUE DATE: 02/27/26	

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1 PARTIAL FLOOR MED GAS PIPING DEMO PLAN - STAGE B

1/4" = 1'-0"

8' 4' 0' 8' 16'

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REVISIONS

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CONSTRUCTION DOCUMENTS

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TMK#: 4-6-014:113

FILENAME:

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PARTIAL FLOOR MED GAS PIPING DEMO PLAN - STAGE B

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

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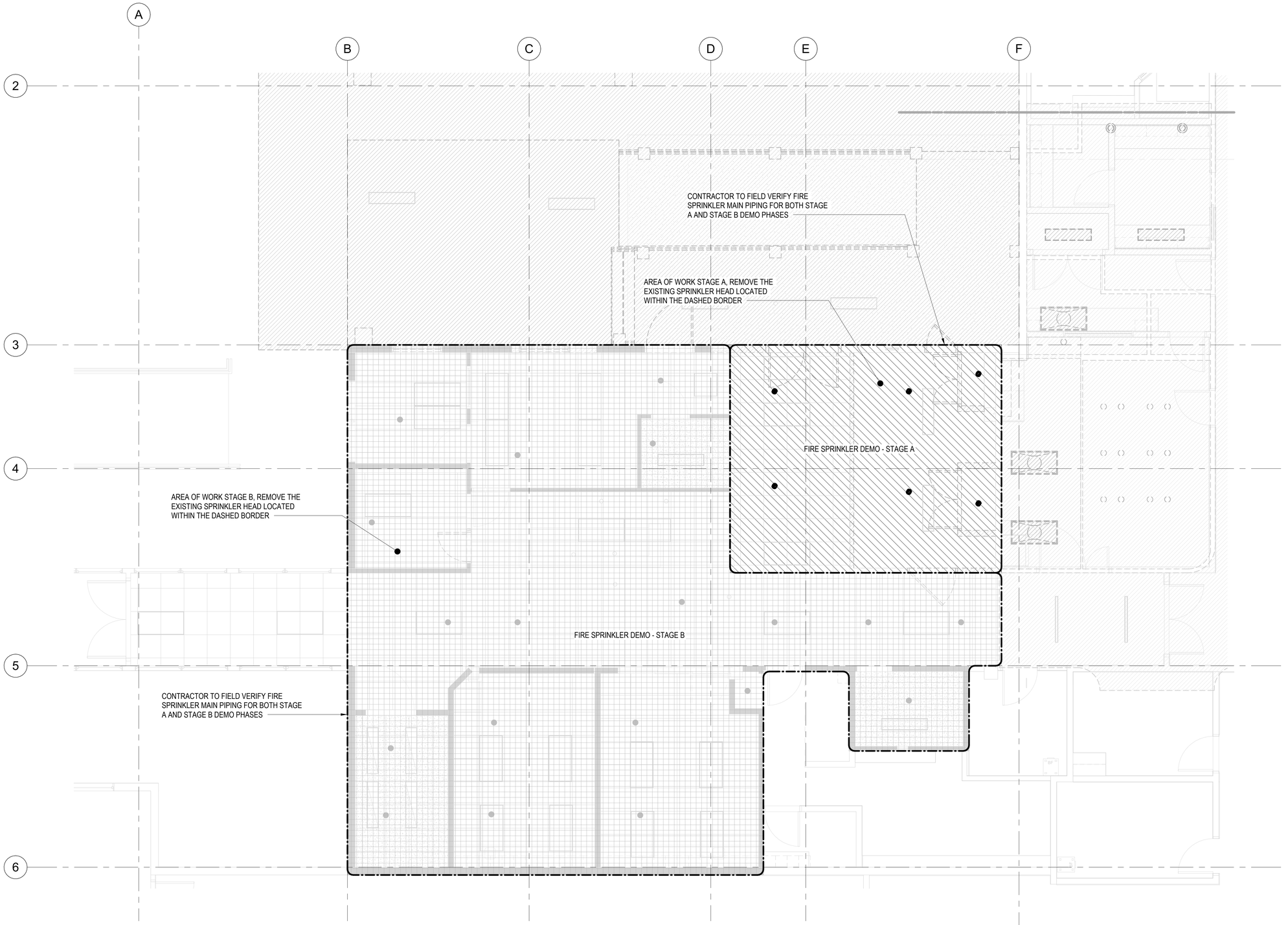
PROJECT NO.	DRAWING NO.
225057-01	PD-105
SHEET ISSUE DATE: 02/27/26	

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NOTES

1. PROVIDE FIRE WATCH FOR ALL OUTAGES OF THE FIRE SPRINKLER SYSTEM EXCEEDING 4 HOURS.



1 PARTIAL FLOOR FIRE SPRINKLER DEMO PLAN
1/4" = 1'-0"

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TMK#: 4-6-014:113

FILENAME:
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DRAWING TITLE
PARTIAL FLOOR FIRE SPRINKLER DEMO PLAN

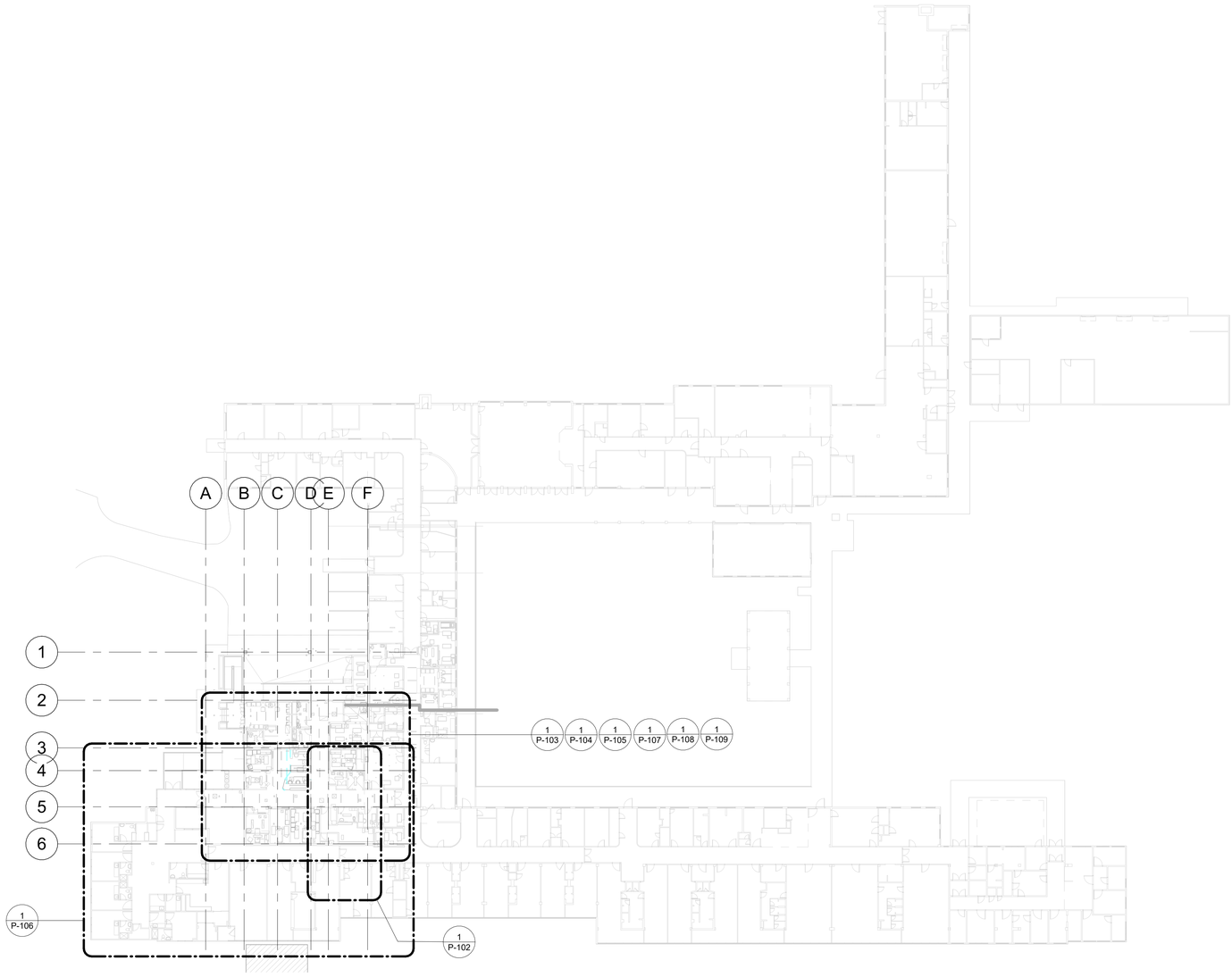
SCALE: 1/4" = 1'-0"

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PROJECT NO.	DRAWING NO.
225057-01	**PD-106**
SHEET ISSUE DATE: 02/27/26	

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1 OVERALL PLUMBING PLAN

1" = 30'-0"

30' 15' 0' 30' 60'

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TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

OVERALL PLUMBING PLAN

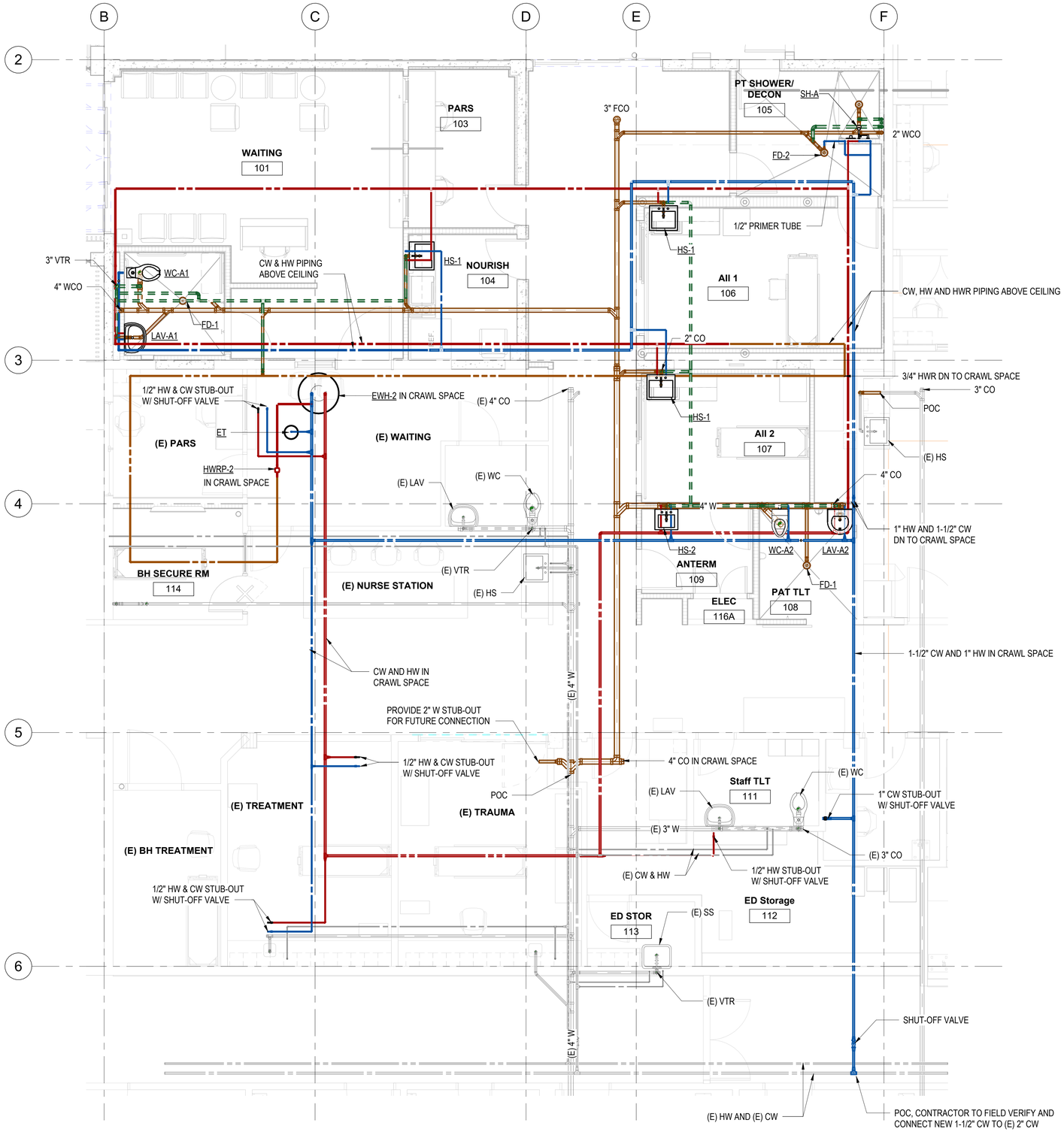
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DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	**P-101**
SHEET ISSUE DATE: 02/27/26	

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1 PARTIAL FLOOR PLUMBING PLAN - STAGE A

1/4" = 1'-0"

4' 2' 0' 4' 8'

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TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

PARTIAL FLOOR PLUMBING PLAN - STAGE A

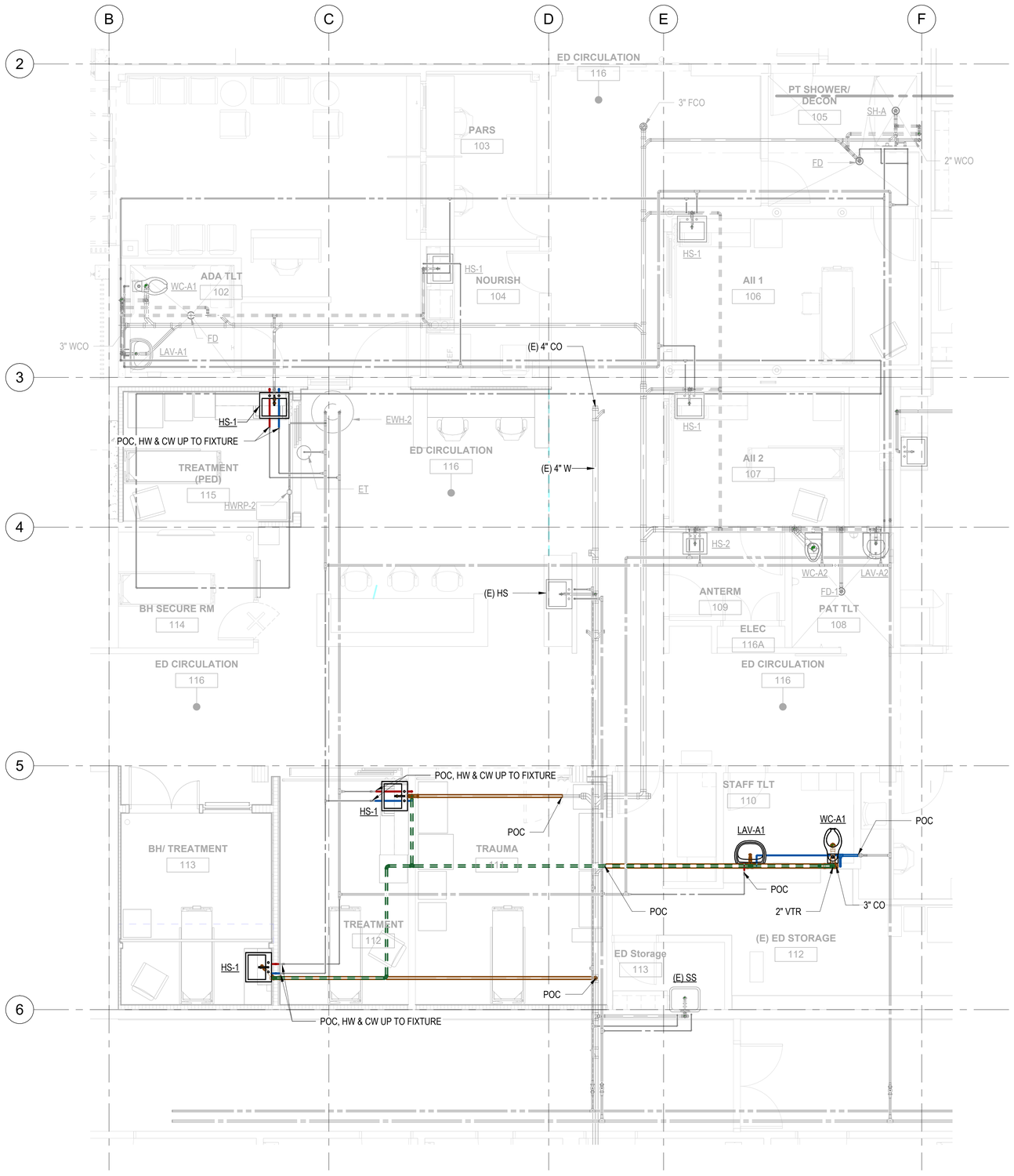
SCALE: 1/4" = 1'-0"

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	P-103
SHEET ISSUE DATE: 02/27/26	

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1 PARTIAL FLOOR PLUMBING PLAN - STAGE B

1/4" = 1'-0"

4' 2' 0' 4' 8'

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PROJECT TITLE

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

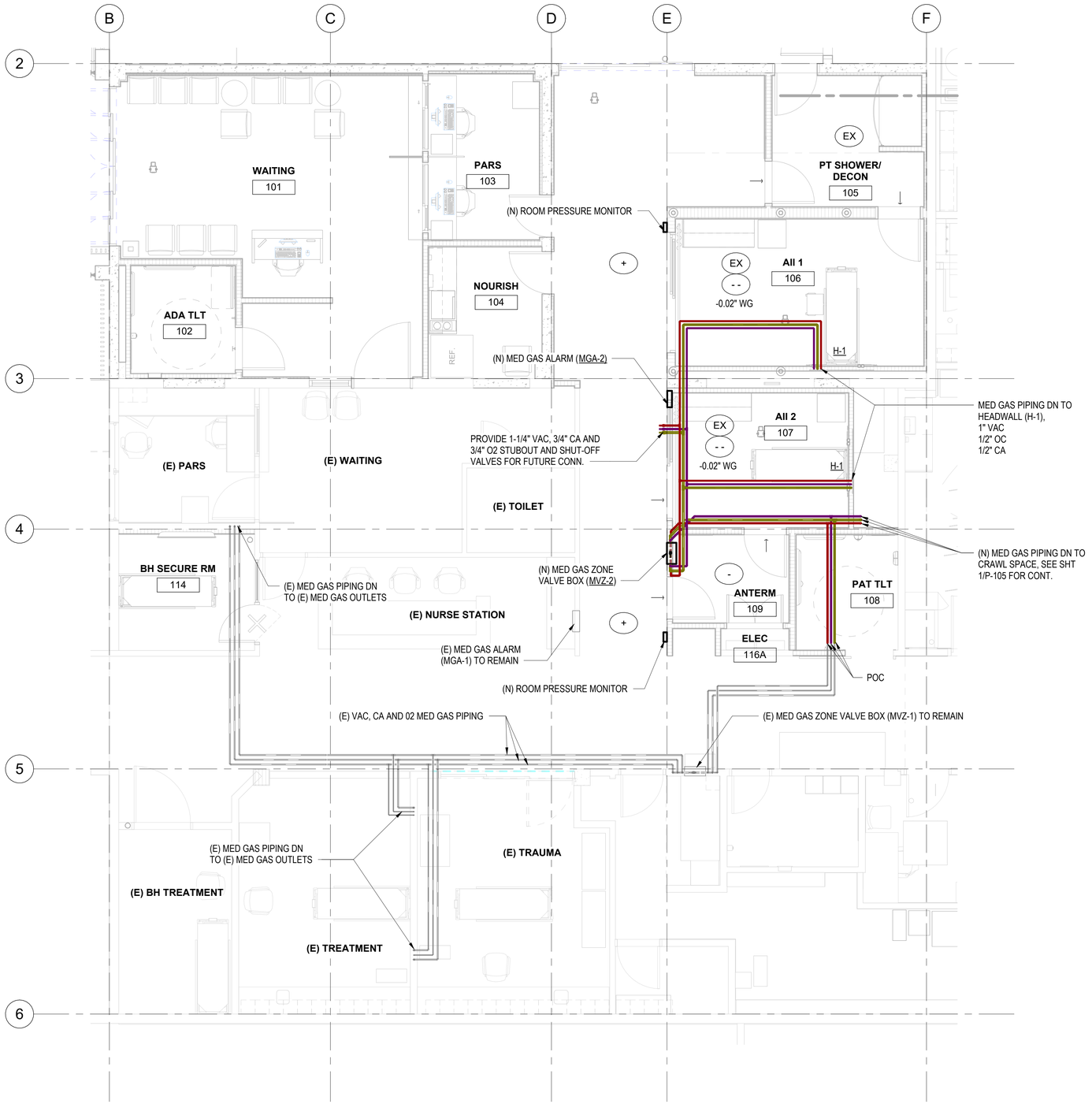
PARTIAL FLOOR PLUMBING PLAN - STAGE B

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

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	P-104
SHEET ISSUE DATE: 02/27/26	

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1 PARTIAL FLOOR MED GAS PIPING PLAN - STAGE A

1/4" = 1'-0"

LEGEND

++	SUPPLY AIR MORE THAN EXHAUST AIR, RETURN AIR OR BOTH. POSITIVE PRESSURE DIFFERENTIAL RELATIVE TO ADJACENT SPACE.
+	SUPPLY AIR MORE THAN EXHAUST AIR, RETURN AIR OR BOTH. POSITIVE PRESSURE DIFFERENTIAL RELATIVE TO ADJACENT SPACE.
0	SUPPLY AIR EQUAL TO EXHAUST AIR, RETURN AIR OR BOTH. NEUTRAL PRESSURE DIFFERENTIAL RELATIVE TO ADJACENT SPACE.
-	EXHAUST AIR, RETURN AIR OR BOTH IS MORE THAN SUPPLY AIR. NEGATIVE PRESSURE DIFFERENTIAL RELATIVE TO ADJACENT SPACE.
- -	EXHAUST AIR, RETURN AIR OR BOTH IS MORE THAN SUPPLY AIR. NEGATIVE PRESSURE DIFFERENTIAL RELATIVE TO ADJACENT SPACE.
EX	ROOM EXHAUSTED.

NOTES

1. CONTRACTOR MUST PROVIDE NEW MEDICAL GAS PIPING AS SHOWN ON P-106 PRIOR TO STAGE A DEMO WORK PD-104 AND NEW WORK AS SHOWN ON P-105. CONTRACTOR TO PROVIDE NEW MED GAS PIPING AND CONNECT TO EXISTING MEDICAL PIPES SERVING EMERGENCY DEPARTMENT TO KEEP THE FACILITY OPERATIONAL DURING THE DEMO WORK ON STAGE A.

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TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

PARTIAL FLOOR MED GAS PIPING PLAN - STAGE A

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

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	P-105
SHEET ISSUE DATE: 02/27/26	

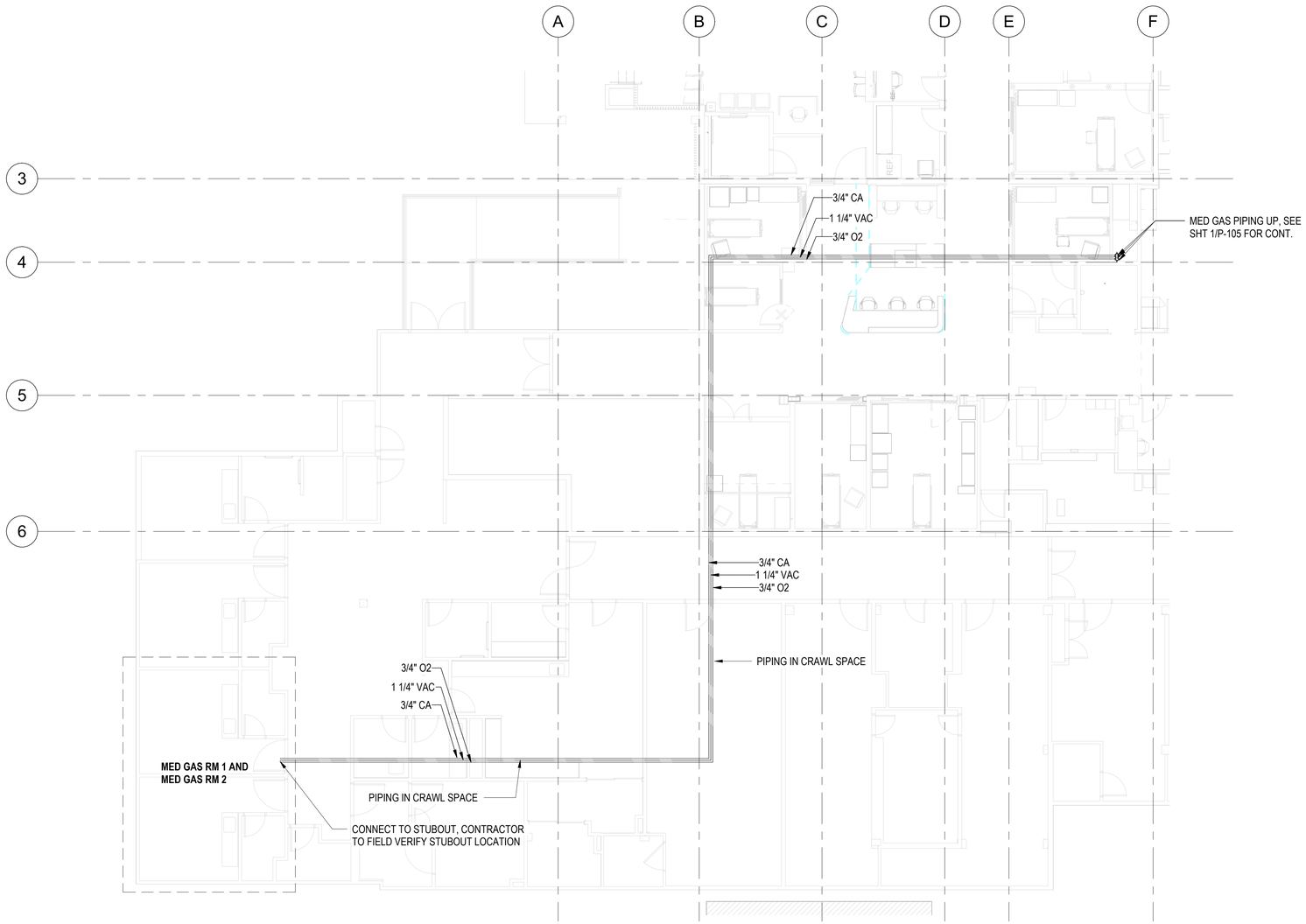
4' 2' 0' 4' 8'

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NOTES

1. CONTRACTOR MUST PROVIDE NEW MEDICAL NEW GAS PIPING AS SHOWN ON THIS SHEET PRIOR TO MED GAS PIPING DEMO PLAN - STAGE A SHOWN ON 1/PD-104. CONTRACTOR TO PROVIDE NEW MED GAS PIPING AND CONNECT TO EXISTING MEDICAL PIPES SERVING EMERGENCY DEPARTMENT TO KEEP THE FACILITY OPERATIONAL DURING THE DEMO WORK ON STAGE A



1 PARTIAL MED GAS PIPING PLAN - LOWER LEVEL/ CRAWL SPACE

1/8" = 1'-0"

8' 4' 0' 8' 16'

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TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

GROUND FLOOR MED GAS PIPING PLAN - STAGE A

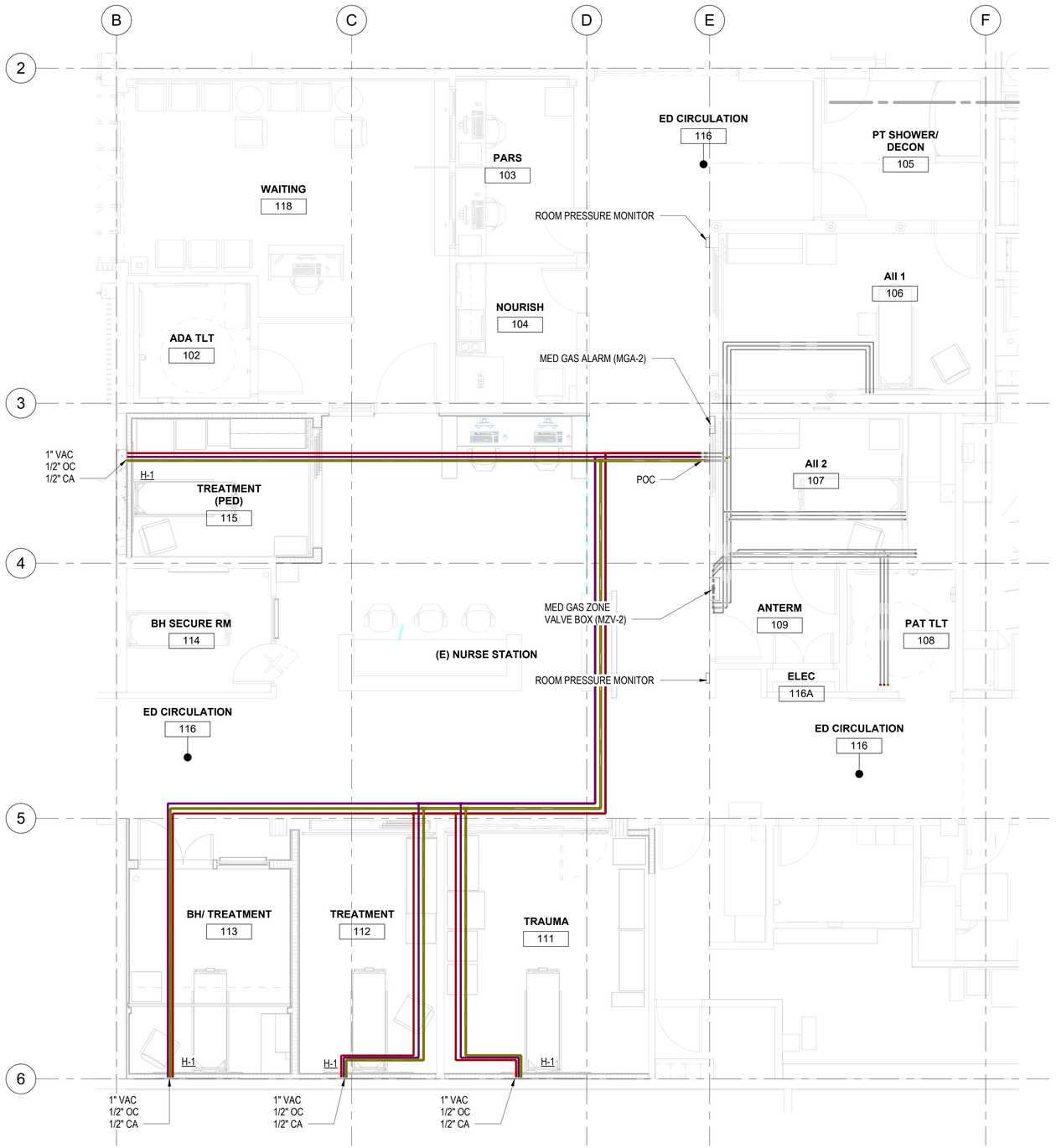
SCALE: 1/8" = 1'-0"

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	P-106
SHEET ISSUE DATE: 02/27/26	

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1 PARTIAL FLOOR MED GAS PIPING PLAN - STAGE B

1/4" = 1'-0"

4' 2' 0' 4' 8'

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TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

PARTIAL FLOOR MED GAS PIPING PLAN - STAGE B

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

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	P-107
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1 PARTIAL FLOOR FIRE SPRINKLER PLAN - STAGE A

1/4" = 1'-0"

4' 2' 0' 4' 8'

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TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_M24.rvt

DRAWING TITLE

PARTIAL FLOOR FIRE SPRINKLER PLAN - STAGE A

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

DRAWN BY:	CHECKED BY:
JA	TT/NA
PROJECT NO.	DRAWING NO.
225057-01	P-108
SHEET ISSUE DATE: 02/27/26	

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1 PARTIAL FLOOR FIRE SPRINKLER PLAN - STAGE B

1/4" = 1'-0"

4' 2' 0' 4' 8'

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FILENAME:

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DRAWING TITLE

PARTIAL FLOOR FIRE SPRINKLER PLAN - STAGE B

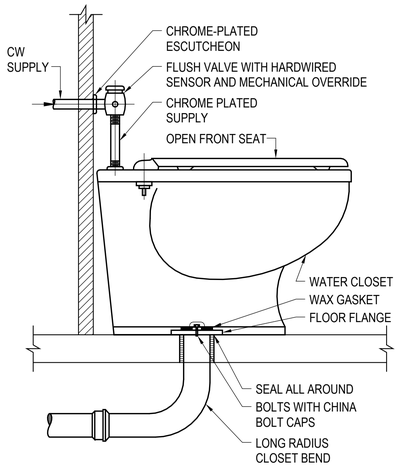
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DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	P-109
SHEET ISSUE DATE: 02/27/26	

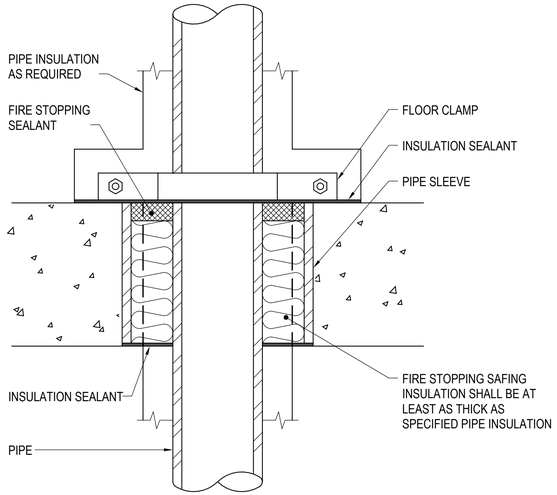
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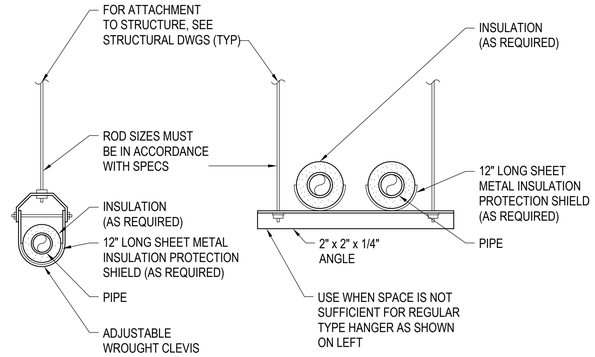
NOTES:
1. FOR MOUNTING HEIGHT FOR ALL ADA FIXTURES, SEE ARCH DWGS.
2. PROVIDE LEVER ON WIDE SIDE OF STALL FOR ADA FIXTURE.

1 P-501 FLOOR MOUNTED WATER CLOSET DETAIL
NOT TO SCALE



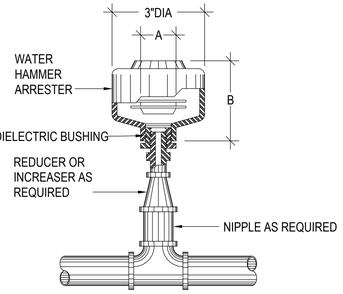
NOTES:
1. PROVIDE FIRESTOPPING IN ACCORDANCE WITH UL DETAIL F-A-1119.

2 P-501 PIPE THRU FLOOR DETAIL
NOT TO SCALE

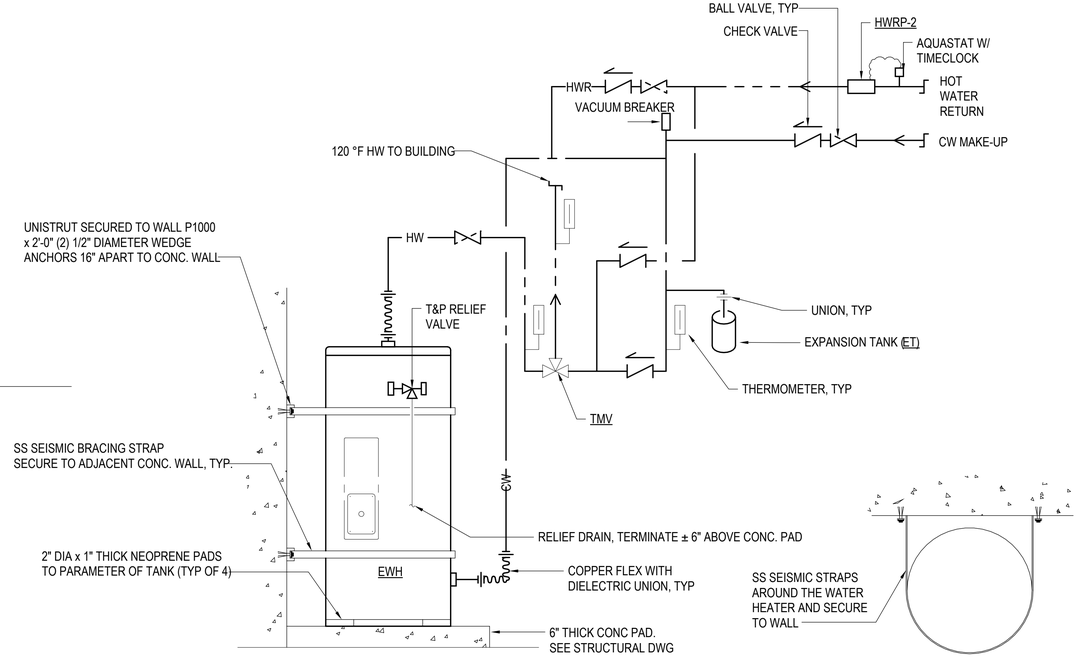


NOTE: 18" LONG RIGID INSULATION MUST BE USED AT HANGERS

3 P-501 PIPE HANGER DETAIL
NOT TO SCALE



4 P-501 WATER HAMMER ARRESTOR DETAIL
NOT TO SCALE



NOTE: PIPING SHALL BE ARRANGED TO ALLOW FOR REMOVAL OR WATER HEATER WITH MINIMAL DISRUPTION OF PIPING

5 P-501 ELECTRIC WATER HEATER DIAGRAM
NOT TO SCALE

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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DRAWING TITLE
PLUMBING DETAILS

SCALE:

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PROJECT NO.	DRAWING NO.
225057-01	P-501
SHEET ISSUE DATE: 02/27/26	

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PLUMBING FIXTURE LOCAL CONNECTION SCHEDULE

SYMBOL	FIXTURE	WASTE	VENT	COLD WATER	HOT WATER	MAXIMUM CONSUMPTION	REMARKS
WC-A1	WATER CLOSET ACCESSIBLE	3"	2"	1"	-	1.28 GPF	FLOOR MOUNTED, FLOOR OUTLET SLOAN ST-2009, ELONGATED BOWL, OPEN FRONT SEAT, WATERSENSE LISTED. HARDWIRE SENSOR FLUSH VALVE SLOAN ROYAL 111 ESS-1.28-OR-HW.
WC-A2	WATER CLOSET ACCESSIBLE	3"	2"	1"	-	1.28 GPF	FLOOR MOUNTED, FLOOR OUTLET ACORN SECUR-CARE LIGATURE RESISTANT LR 2140, ELONGATED BOWL, WATERSENSE LISTED. HARDWIRE SENSOR FLUSH VALVE SLOAN ROYAL 111 ESS-1.28-OR-HW.
LAV-A1	LAVATORY ACCESSIBLE	1-1/2"	1-1/2"	1/2"	1/2"	0.5 GPM	WALL HUNG AMERICAN STANDARD LUCERNE. SINGLE LEVEL SINGLE HOLEFAUCET
LAV-A2	LAVATORY ACCESSIBLE	1-1/2"	1-1/2"	1/2"	1/2"	0.5 GPM	LIGATURE WHITEHALL RESISTANT STAINLESS STEEL BASIN, POWER COATED WHITE LAVATORY WH3740BAR. LIGATURE RESISTANT SENSOR FAUCET WH3375-SO.
SH-A	SHOWER ACCESSIBLE	2"	1-1/2"	1/2"	1/2"	1.75 GPM	ADJUSTABLE SPRAY HANDHELD SHOWER HEAD, 36" GRAB BAR FOR HAND SHOWER WAND, 60" FLEXIBLE HOSE, PRESSURE BALANCING MIXING VALVE WITH TRIM. PROVIDE WITH ROUND FLOOR DRAIN.
HS-1	HAND SINK	2"	1-1/2"	1/2"	1/2"	1.5 GPM	DAYTON STAINLESS STEEL SINGLE BOWL DROP IN SINK, SATIN FINISH. ELKAY SINGLE HOLE FAUCET 4" BLADE HANDLES, 10" ARC TUBE SPOUT. NON-AERATING LAMINAR FLOW OUTLET.
HS-2	HAND SINK	2"	1-1/2"	1/2"	1/2"	1.5 GPM	WALL HUNG AMERICAN STANDARD LUCERNE. ELKAY SINGLE HOLE FAUCET 4" BLADE HANDLES, 8" ARC TUBE SPOUT.
FD-1	FLOOR DRAIN	2"	1-1/2"	-	-	-	CAST IRON BODY AND FLASHING COLLAR, ROUND REMOVABLE GRATE, SEDIMENT BUCKET, WATER SAVER TRAP PRIMER.
FD-2	FLOOR DRAIN	2"	1-1/2"	-	-	-	CAST IRON BODY AND FLASHING COLLAR, ROUND REMOVABLE GRATE, SEDIMENT BUCKET, PRESSURE DROP ACTIVATED TRAP PRIMER.

NOTES:
1. ALL UNDERGROUND SOIL, WASTE AND VENT PIPE SIZE SHALL BE 2" MINIMUM.
2. WATER CLOSET AND URINAL WATER CONSUMPTION IS IN GALLONS PER FLUSH, ALL OTHERS FIXTURES ARE IN GALLONS PER MINUTE FLOW RATE.
3. SEE ARCHITECTURAL DRAWING FOR REGULAR AND ACCESSIBLE FIXTURE HEIGHTS AND LOCATION.
4. ACCESSIBLE LAVATORIES AND SINKS EXPOSED WASTE AND WATER PIPING BELOW COUNTER AND ABOVE FINISHED FLOOR SHALL BE INSULATED.

HOT WATER CIRCULATING PUMP

TAG	MANUFACTURER AND MODEL	LOCATION	SERVICE	FLOW RATE (GPM)	TOTAL DYN. HEAD (FT H2O)	POWER (W)	UNIT WEIGHT	REMARKS
HWRP-2	GRUNFOS ALPHA HWR 15-55	LOWER LEVEL	RETURN CIRCULATING	3	15	25	5	PROVIDE HIGH EFFICIENCY EC MOTOR, LED DISPLAY WITH FLOW INDICATOR IN GPM.

ELECTRIC WATER HEATER

TAG	MANUFACTURER AND MODEL	LOCATION	SERVICE	TYPE	HEATING ELEMENT, W	VOLUME (GAL)	TEMPERATURE (°F)		ELECTRICAL		DIMENSIONS (H" x D")	UNIT WEIGHT	REMARKS
							ENTERING	LEAVING	V / ∅ / HZ	AMPS			
EWH-2	AO SMITH ENL-50	LOWER LEVEL	HOT WATER	ELECTRIC	4500	50	70	140	208/1/60	21.6	36" x 26-3/4"	539	LOWBOY ELECTRIC WATER HEATER, WATER HEATER TO COMPLY WITH ASHRAE 90.1 ENERGY CODE REQUIREMENTS, PROVIDE SEISMIC BRACING.

EXPANSION TANK

TAG	MANUFACTURER AND MODEL	LOCATION	SERVICE	VOLUME (GAL)	PRESSURE RATING (PSIG)	DIAMETER (IN)	UNIT WEIGHT	REMARKS
ET	AO SMITH PMET 5	LOWER LEVEL	HOT WATER	5	100	12	9	DESIGN FOR OPEN TYPE DOMESTIC HOT WATER SYSTEM.

THERMOSTATIC MIXING VALVE SCHEDULE

TAG	MANUFACTURER AND MODEL	LOCATION	SERVICE	MIN FLOW GPM	CONTINUOUS FLOW (GPM)	TEMPERATURE (°F)		PIPE SIZE			DIMENSIONS (L" x H" x D")	REMARKS
						IN	OUT	HW INLET	CW INLET	MIX OUTLET		
TMV	CONTROLS MV17-2	LOWER LEVEL	HOT WATER	0.1	14	140	120	3/4"	3/4"	1"	8.5" x 5.5" x 3"	ASSE 1017 LEAD FREE MASTER MIXING VALVE, 2.3 CV MINIMUM, 5 PSI PRESSURE DROP.

MEDICAL GAS ALARM PANEL SCHEDULE

MARK	LOCATION	QTY	TYPE OF PANEL	O2	MA	MV	REMARKS
			AREA LINE PRESS. ALARM	LINE PRESS. HIGH/LOW	LINE PRESS. HIGH/LOW	LINE VACUUM LOW	
(N) MGA-2	SEE P-104	1	●	●	●	●	ALARM INDICATIONS: BEFORE O2 CHANGEOVER TO THE RESERVE SUPPLY OCCURS, WHEN THE CONTENTS OF THE RESERVE SUPPLY IS REDUCED BELOW ONE AVERAGE DAY'S SUPPLY, WHEN ANY MEDICAL GAS SYSTEM MAIN LINE PRESSURE INCREASES 20% OR DECREASES 20% FROM NORMAL OPERATING PRESSURE, WHEN THE MEDICAL VACUUM MAIN LINE PRESSURE DROPS BELOW 12 IN HG, WHEN MEDICAL AIR DEW POINT IS GREATER THAN 35°F, SOURCE EQUIPMENT LOCAL ALARM SIGNAL, 115V/1PH/60HZ, 1AMP.

MEDICAL GAS CEILING COLUMNS, HEADWALLS AND WALL OUTLETS SCHEDULE

MARK	TOTAL QTY	TYPE	OUTLET TYPE	SERVICE AREA	PIPE SIZE - NO. OF OUTLET, EA				REMARKS
					O2	CA	VA	VACUUM SLIDE	
					1/2"	1/2"	3/4"		
H-1	6	HEADWALL	MEDAES PIN INDEX	PATIENT ROOMS	2	2	3	3	PREFABRICATED HEADWALL, PROVIDE EACH VACUUM SLIDE ON SIDE OF EACH VA OUTLET. SEE ARCHITECTURAL SPECS.

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REVISIONS

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CONSTRUCTION DOCUMENTS
02/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_M24.rvt

DRAWING TITLE
EQUIPMENT AND FIXTURE SCHEDULES

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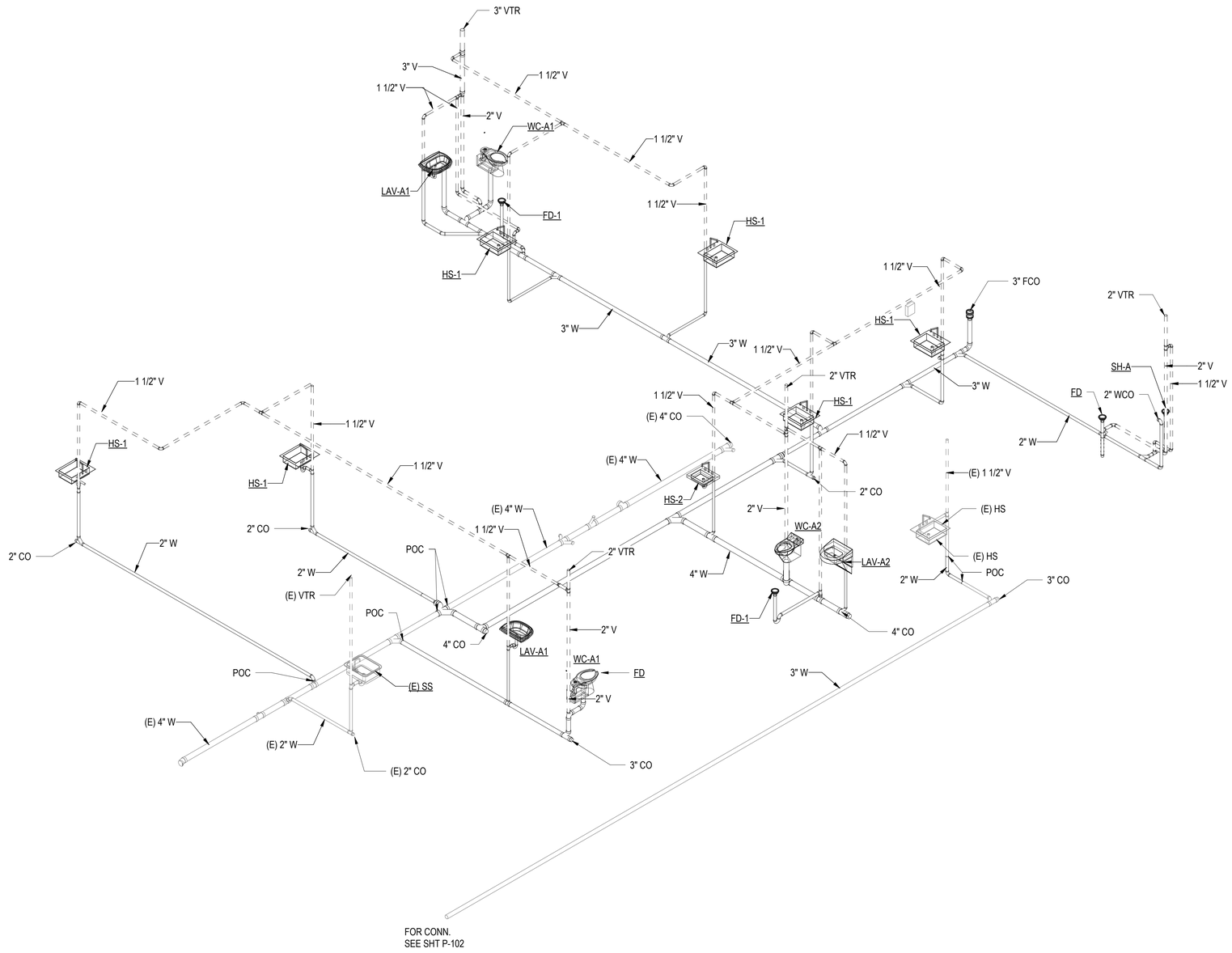
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PROJECT NO.	DRAWING NO.
225057-01	P-601

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1 SANITARY PIPING DIAGRAM

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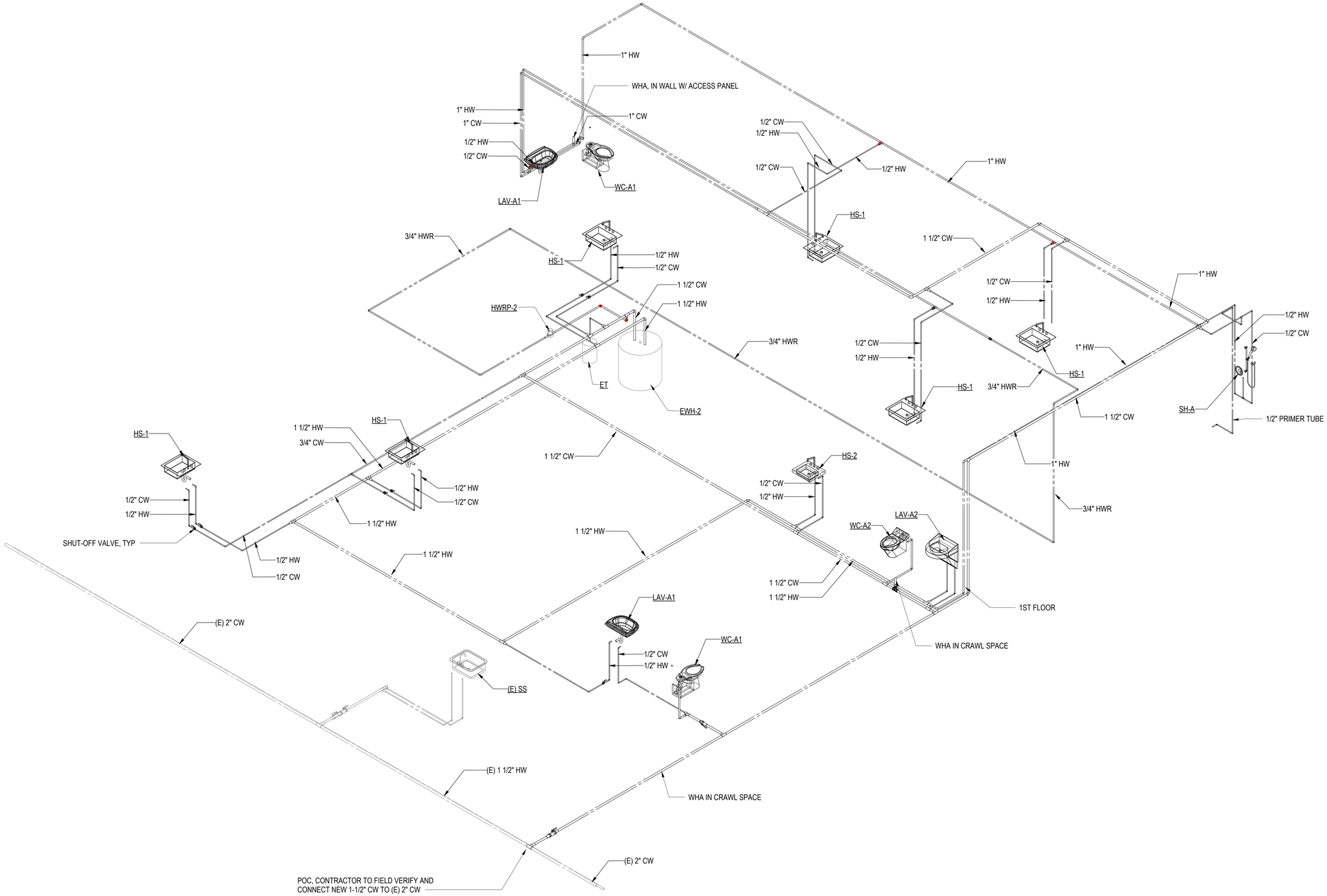
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225057-01	**P-901**
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1 DOMESTIC WATER PIPING DIAGRAM

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TMK#: 4-6-014:113

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DRAWING TITLE
WATER PIPING DIAGRAM

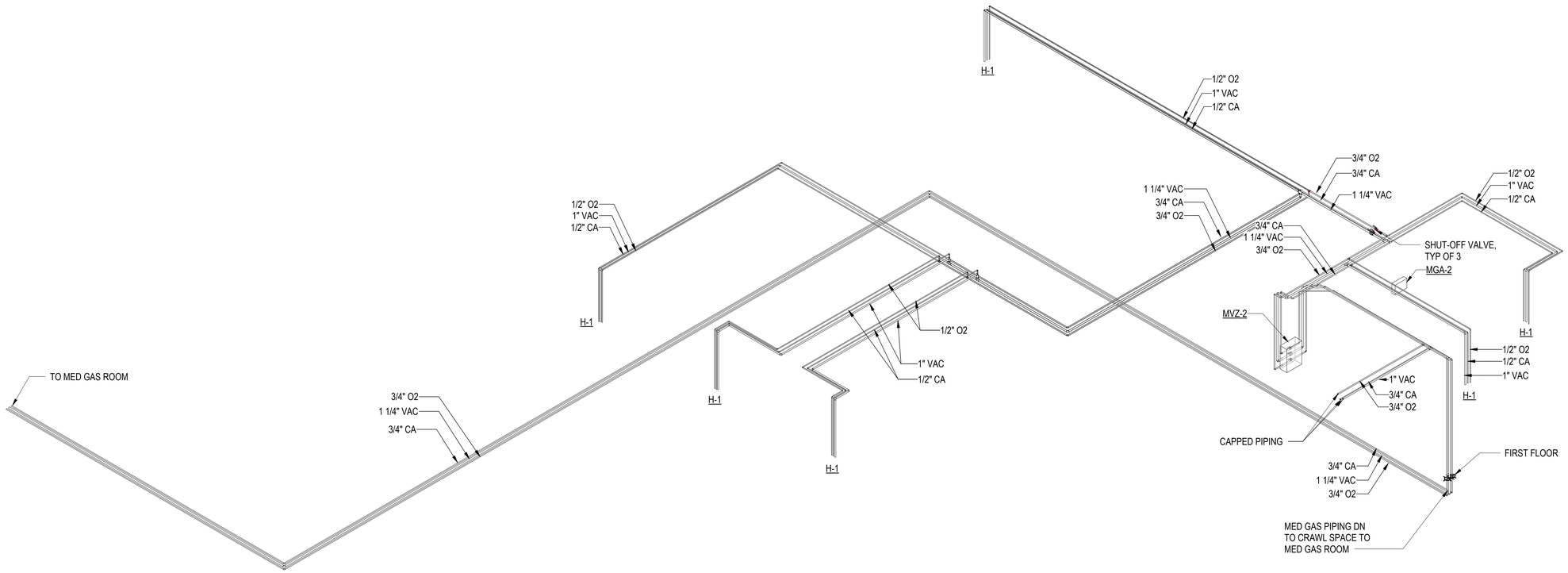
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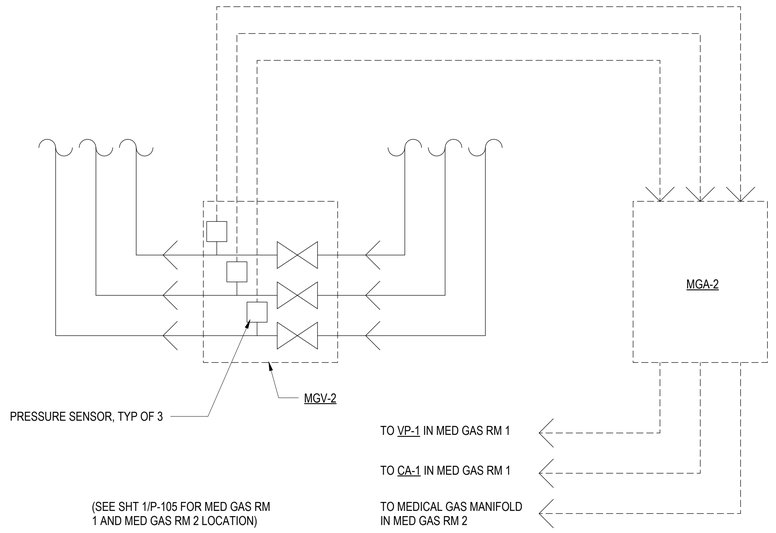
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1 P-903 MED GAS PIPING DIAGRAM



MED GAS SCHEMATIC DIAGRAM

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TMK#: 4-6-014:113

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MED GAS PIPING DIAGRAM

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ENERGY CODE COMPLIANCE

COUNTY OF KAUA'I
CHAPTER 12, KAUA'I COUNTY BUILDING CODE
KAUA'I COUNTY CODE 1987, AS AMENDED
ARTICLE 6 - ENERGY CONSERVATION CODE

TO THE BEST OF MY KNOWLEDGE, THIS PROJECT'S DESIGN SUBSTANTIALLY CONFORMS TO:
SECTION 12-6.3 ADOPTION OF THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
SECTION 12-6.4 LOCAL AMENDMENTS TO THE IECC
FOR MECHANICAL SYSTEMS (SECTION C403, C404, C406 AND C408).

COMPLIANCE METHOD

- [x] 2018 IECC AS AMENDED. MANDATORY & PRESCRIPTIVE
- [ ] 2018 IECC AS AMENDED. MANDATORY & TOTAL BUILDING PERFORMANCE
- [ ] ASHRAE STANDARD 90.1-2016. MANDATORY & PRESCRIPTIVE
- [ ] ASHRAE STANDARD 90.1-2016. MANDATORY & TOTAL BUILDING PERFORMANCE

INFORMATION IN CONSTRUCTION DOCUMENTS

HVAC SYSTEMS	YES	N/A
EQUIPMENT CAPACITY AND EFFICIENCY. C403.3.2	☑	☐
THERMOSTATIC CONTROLS C403.4.1	☐	☑
GUEST ROOM DOOR SWITCHES. C403.2.3	☐	☐
VENTILATION RATE C403.2.2	☐	☐
DEMAND CONTROL VENTILATION CONTROLS C403.7.4	☐	☐
ENCLOSED PARKING GARAGE VENTILATION CONTROL. C403.7.2	☐	☐
ENERGY RECOVERY VENTILATION SYSTEM. C403.7.4	☐	☐
KITCHEN EXHAUST SYSTEMS. C403.7.5	☐	☐
DUCT AND PLENUM INSULATION THICKNESS/R-VALUE. C403.11.1	☐	☐
DUCT AND PLENUM SEALING REQUIREMENTS. C403.11.1	☐	☐
PIPE INSULATION THICKNESS/R-VALUE. C403.11.3	☐	☐
FAN MOTOR HORSEPOWER. C403.8.4	☐	☐
FAN EFFICIENCY. C403.8.3	☐	☐
FAN MOTOR EFFICIENCY. C405.8.1	☐	☐
PUMP MOTOR EFFICIENCY. C403.4.1.1	☐	☐
VARIABLE-FLOW FAN CONTROL. C403.6.1	☐	☐
ZONE THERMOSTATIC CONTROLS. C403.4.1.2	☐	☐
SETPOINT OVERLAP RESTRICTION. C403.4.1.3	☐	☐
HOT WATER BOILER OUTDOOR TEMPERATURE CONTROL. C403.4.1.5	☐	☐
OFF-HOUR CONTROLS. C403.4.2	☐	☐
COOLING TOWER FAN CONTROL. C403.4.3	☐	☐
TERMINAL UNIT MINIMUM AND MAXIMUM AIRFLOW. C403.4.4	☐	☐
COMMISSIONING REQUIREMENTS. C408.2	☐	☐
REFRIGERATION	☐	☐
REFRIGERATION EQUIPMENT EFFICIENCY. C403.10	☐	☐
WALK-IN COOLERS AND FREEZERS. C403.10.1.2	☐	☐
REFRIGERATED WAREHOUSES. C403.10.1	☐	☐
REFRIGERATED DISPLAY CASES. C403.10.3	☐	☐
SERVICE WATER HEATING C404	☐	☐
HEAT RECOVERY FOR SERVICE WATER HEATING. C404.6	☐	☐
EQUIPMENT CAPACITY AND EFFICIENCY. C404.2	☐	☐
PIPE INSULATION. C404.4	☐	☐
HOT WATER PIPE LENGTH/VOLUME. C404.5	☐	☐
HOT WATER CIRCULATION CONTROLS. C404.6	☐	☐
HEATED POOL AND SPA COVERS. C404.9.3	☐	☐
COMMISSIONING REQUIREMENTS C408.2	☐	☐

C408.2 MECHANICAL SYSTEM AND SERVICE WATER-HEATING SYSTEMS COMMISSIONING AND COMPLETION REQUIREMENTS. PRIOR TO THE FINAL MECHANICAL AND PLUMBING INSPECTIONS, THE REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY SHALL PROVIDE EVIDENCE OF MECHANICAL SYSTEMS COMMISSIONING AND COMPLETION REQUIREMENTS IN ACCORDANCE WITH THIS SECTION AND ARE PERMITTED TO REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS. COPIES OF ALL DOCUMENTATION SHALL BE GIVEN TO THE OWNER OR OWNER 'S AUTHORIZED AGENT AND MADE AVAILABLE TO THE CODE OFFICIAL UPON REQUEST IN ACCORDANCE WITH SECTIONS C408.2.4 AND C408.2.5.

SIGNATURE: _____
DATE: 02/27/2026
NAME: NICHOLAS J. ALLDAY
TITLE: MECHANICAL PRINCIPAL ENGINEER
LICENSE NO.: 10018-M

GENERAL NOTES

1. CONFORM TO ALL REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), INTERNATIONAL PLUMBING CODE (IPC), INTERNATIONAL MECHANICAL CODE (IMC), UNIFORM FIRE CODE, NATIONAL ELECTRIC CODE (NEC), ENERGY CONSERVATION CODE, AND ALL OTHER AGENCIES HAVING JURISDICTION.
2. WORK SHALL CONFORM TO ALL APPLICABLE CODES AND STANDARDS UNLESS CONTRACT DOCUMENTS ARE MORE STRINGENT.
3. ALL WORK SHOWN ON THESE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED.
4. EXISTING CONDITIONS AND DIMENSIONS SHOWN ON THESE DRAWINGS ARE APPROXIMATE. BIDDERS SHALL VISIT THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL DETAILS OF WORK AND WORKING CONDITIONS BEFORE SUBMITTING THEIR BID. REASONABLE MODIFICATIONS IN LOCATION AND ARRANGEMENTS TO SUIT JOB CONDITIONS SHALL NOT CONSTITUTE BASIS FOR REQUESTING OF ADDITIONAL FUNDS FROM THE OWNER.
5. PRIOR TO ORDERING MATERIALS AND PROCURING EQUIPMENT, SUCCESSFUL BIDDER (CONTRACTOR) SHALL BE REQUIRED TO VERIFY ALL CONDITIONS, INCLUDING BUT NOT LIMITED TO EQUIPMENT, MATERIALS, SIZES, DIMENSIONS, INVERTS, AND VOLTAGES THAT AFFECT HIS WORK. SUBMIT A LETTER TO THE CONTRACTING OFFICER CONFIRMING THAT THIS WAS DONE. IF WRITTEN CONFIRMATION IS NOT RECEIVED BY THE CONTRACTING OFFICER, SHOP DRAWINGS AND OTHER SUBMITTALS WILL BE RETURNED WITHOUT REVIEW. SHOW ALL DISCREPANCIES ON SHOP DRAWINGS AND NOTIFY THE CONTRACTING OFFICER IN WRITING OF SUCH DISCREPANCIES PRIOR TO PROCUREMENT.
6. ALL UTILITIES AND APPURTENANCES SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION, AND IF DAMAGED, SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
7. ALL FASTENERS, SUPPORTS, HANGERS, SPRING ISOLATORS, AND MISCELLANEOUS STEEL ITEMS INCLUDING BUT NOT LIMITED TO BOLTS, NUTS, SCREWS, RODS, PLATES, AND ANGLES, ETC. SHALL BE TYPE 316L STAINLESS STEEL OUTSIDE THE BUILDING AND GALVANIZED STEEL INSIDE OF THE BUILDING UNLESS OTHERWISE NOTED OR SPECIFIED.
8. REFER TO PROJECT MANUAL (SPECIFICATIONS) FOR ADDITIONAL REQUIREMENTS. PLANS AND SPECIFICATIONS SHALL BE TAKEN TOGETHER. PROVIDE ALL WORK CALLED FOR IN EITHER.
9. FURNISH ALL EQUIPMENT, MATERIALS, LABOR, TOOLS, ETC., REQUIRED FOR THE INSTALLATION OF THE COMPLETE AND OPERATING SYSTEM. ALL EQUIPMENT AND MATERIALS SHALL BE NEW UNLESS OTHERWISE NOTED.
10. DO NOT ALLOW ANY WORK TO BE COVERED UP OR ENCLOSED UNTIL INSPECTED, TESTED AND APPROVED BY THE OWNER'S REPRESENTATIVE OR ARCH/ ENGINEER.
11. THIS CONTRACT REQUIRES THE PLUMBING, FIRE PROTECTION, EMCS, AND MECHANICAL SUBCONTRACTORS TO CAREFULLY COORDINATE THEIR WORK WITH EACH OTHER AND OTHER TRADES. PRIORITY SHALL BE GIVEN IN THE FOLLOWING ORDER:
    A. GRAVITY FLOW; SEWER, STORM DRAIN, DOWNSPOUT AND CONDENSATE DRAIN PIPING.
    B. EQUIPMENT AND DUCTWORK.
    C. FORCED AND PRESSURE PIPING SUCH AS WATER, FIRE SPRINKLER, AND GAS PIPING.
12. PROVIDE ACCESS PANELS IN NON-ACCESSIBLE CEILINGS FOR MECHANICAL ITEMS REQUIRING SERVICING AND MAINTENANCE SUCH AS, BUT NOT LIMITED TO VOLUME DAMPERS, FIRE/SMOKE DAMPERS, FIRE DAMPERS, CONDENSATE DRAINS, VALVES, ETC. PROVIDE FIRE-RATED ACCESS PANELS WHERE REQUIRED. COORDINATE TYPE OF ACCESS PANEL WITH WALL OR CEILING CONTRACTOR. ACCESS PANELS SHALL BE 30"x30" MINIMUM UNLESS OTHERWISE NOTED.
13. CONTRACTOR SHALL PROVIDE DIELECTRIC UNIONS, NIPPLES OR FLANGES AT CONNECTION POINTS FOR ALL DISSIMILAR METALS.
14. DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL OFFSETS IN PIPING. COORDINATE THIS WORK WITH THE WORK OF OTHER TRADES AND PROVIDE ALL NECESSARY OFFSETS.
15. ALL PENETRATIONS OF REQUIRED FIRE-RATED WALLS, PARTITIONS, AND FLOORS SHALL BE PROVIDED WITH FIRE STOPPING MATERIAL AS REQUIRED AND IN ACCORDANCE WITH ASTM E 814, FM P7825, AND UL 1479.
16. NO CUTTING OR DRILLING OF ANY STRUCTURAL MEMBERS WILL BE PERMITTED WITHOUT THE APPROVAL OF THE ARCHITECT.
17. INSTALL ALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE IN CEILING PLENUM TO ALLOW FOR FUTURE WORK.
18. PAINT ALL EXPOSED PIPING AND/OR DUCTWORK TO MATCH SURROUNDING COLOR. PROVIDE ESCUTCHEONS WHERE EXPOSED PIPING PENETRATES FINISHED WALLS AND CEILINGS. PROVIDE PAINTED TRIM WHERE EXPOSED DUCTWORK PENETRATES FINISHED WALLS AND CEILINGS.

HVAC NOTES

1. EQUIPMENT, DUCTWORK AND PIPING SHOWN INDICATES GENERAL LAYOUT REQUIREMENTS. SHOP DRAWINGS SHALL INDICATE SERVICE/ ACCESS SPACE REQUIREMENTS, ADDITIONAL OFFSETS, DROPS, RISES, ETC., REQUIRED TO FIT AVAILABLE SPACE AND AVOID LOCAL OBSTRUCTIONS. MECHANICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR, FIRE SPRINKLER CONTRACTOR, AND ELECTRICAL CONTRACTOR AND OFFSET HIS DUCTWORK AND PIPING TO FIT WORK FROM ALL DISCIPLINES IN SPACE AVAILABLE.
2. FLEXIBLE CONNECTION SHALL BE PROVIDED BETWEEN DUCTWORK AND AIR HANDLING UNITS, FAN COIL UNITS, RETURN AND EXHAUST FANS, AND OTHER SIMILAR AIR MOVING EQUIPMENT.
3. LARGE DUCTS (OVER 30" IN ONE DIMENSION) SHALL BE REINFORCED WITH GALVANIZED ANGLE IRONS ON ALL SIDES TO PREVENT LOW RUMBLE VIBRATION PER SMACNA "DUCT CONSTRUCTION STANDARDS."
4. ALL DUCT DIMENSIONS ARE INSIDE DIMENSIONS: LAYOUTS AND INSTALLATION SHALL ACCOUNT FOR DUCT WRAP INSULATION THICKNESS, SEE SPECS.
5. PROVIDE DUCTWORK REDUCER FITTINGS AT AIR DEVICE CONNECTIONS AS REQUIRED.
6. ENTIRE HVAC SYSTEM SHALL HAVE SEISMIC RESTRAINTS INCLUDING HANGERS, VIBRATION ISOLATION, AND FLEXIBLE CONNECTIONS. REFER TO VIBRATION ISOLATION SCHEDULES AND DETAILS.
7. ALL CONTROL WIRING SHALL BE PLACED IN CONDUIT AND SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. NO EMT ALLOWED FOR CONDUIT EXPOSED TO WEATHER.
8. WHERE AIRFLOWS ARE INDICATED TO AIR DEVICES ON THE PLANS, THEY SHALL BE BALANCED TO THE AIRFLOWS INDICATED.
9. AIR CONDITIONING CONTRACTOR SHALL INSULATE ALL PIPING THAT COLLECTS CONDENSATE INCLUDING WASTE PIPE, ETC., FROM POINT OF CONNECTION TO TOP OF CONCRETE FLOOR SLAB ON GRADE. INSULATE FLOOR DRAIN, FLOOR SINK, AND/OR ROOF DRAIN BODIES EXPOSED TO AIR BELOW THE SLAB.
10. ALL AIR CONDITIONING SUPPLY AND RETURN AIR DUCTS SHALL BE INSULATED WITH 1-1/2" THICK FIBERGLASS INSULATION WITH VAPOR BARRIER JACKET.
11. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5 FEET.
12. PROVIDE REMOTE DAMPER OPERATORS FOR VOLUME DAMPERS LOCATED ABOVE HARD CEILINGS.
13. PROVIDE TYPE 316L STAINLESS STEEL DUCTWORK FOR ALL OUTSIDE AIR INTAKE DUCTWORK UP TO THE EQUIPMENT CONNECTION. PROVIDE TYPE 316L STAINLESS STEEL DUCTWORK FOR ALL EXHAUST DUCTWORK FROM THE WALL OUTLET TO THE MOTORIZED DAMPER CONNECTION. PROVIDE A DIELECTRIC BETWEEN DISSIMILAR METALS (GALVANIZED AND STAINLESS STEEL).

APPLICABLE CODES & STANDARDS

- INTERNATIONAL BUILDING CODE 2018
- ASHRAE 15-2019, SAFETY STANDARD FOR REFRIGERATION SYSTEMS
- ASHRAE 34-2019, DESIGNATION AND CLASSIFICATION OF REFRIGERANTS
- ASHRAE 62.1-2019, VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY
- ASHRAE 90.1-2013, ENERGY STANDARDS FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS
- ASHRAE 170-2021, VENTILATION OF HEALTH CARE FACILITIES
- FGI, 2018 EDITION, GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES
- NFPA 55, 2020 EDITION, COMPRESSED GASES AND CRYOGENIC FLUIDS CODE
- NFPA 90A, 2018 EDITION, INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS
- NFPA 99, 2018 EDITION, GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_M24.rvt

DRAWING TITLE
MECHANICAL NOTES

SCALE: 12" = 1'-0"

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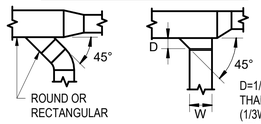
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HVAC FITTINGS & SYMBOLS

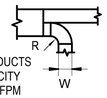
(PERMITTED DUCT FITTINGS)

BRANCH DUCT TAKEOFFS



ROUND OR RECTANGULAR

D=1/2W, BUT NOT MORE THAN 12" (1/3W PERMITTED IF AIR VELOCITY UNDER 3,000 FPM)



R=1/2W FOR DUCTS W/ AIR VELOCITY UNDER 1,500 FPM

R=W FOR DUCTS W/ AIR VELOCITY OVER 1,500 FPM AND ALL DUCTS UPSTREAM OF TERMINAL UNITS

CHANGE OF DUCT SIZE

TRANSITION

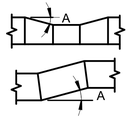


A ≤ 15° FOR DUCTS W/ AIR VELOCITY OVER 1,500 FPM.

A ≤ 30° FOR DUCTS W/ AIR VELOCITY UNDER 1,500 FPM

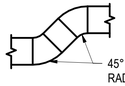
OFFSETS

NOTE: OFFSETS (TO AVOID OBSTRUCTIONS) ARE REQUIRED BUT ARE NOT NECESSARILY SHOWN ON THE PLANS.

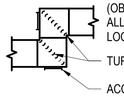


A ≤ 15° FOR DUCTS W/ AIR VELOCITY OVER 1,500 FPM.

A ≤ 30° FOR DUCTS W/ AIR VELOCITY UNDER 1,500 FPM



45° OR 90° RADIUS ELBOWS

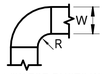


(OBTAIN PRIOR APPROVAL FOR ALL RETURN & EXHAUST LOCATIONS)

TURNING VANES

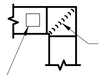
ACCESS PANEL (TYPICAL) REQUIRED FOR RETURN & EXHAUST DUCTS

DUCT ELBOWS



R=1/2W FOR DUCTS W/ AIR VELOCITY UNDER 1,500 FPM

R=W FOR DUCTS W/ AIR VELOCITY OVER 1,500 FPM AND ALL DUCTS UPSTREAM OF TERMINAL UNITS



TURNING VANES

12"x12" ACCESS PANEL ON BOTTOM OF DUCT UPSTREAM OF TURNING VANES, REQUIRED FOR RETURN AND EXHAUST DUCTS

OTHER HVAC SYMBOLS

- AIR FLOW OUT
- AIR FLOW IN
- (T) THERMOSTAT
- (H) HUMIDISTAT
- (S) SWITCH
- (DP) DIFFERENTIAL PRESSURE SENSOR
- (SP) STATIC PRESSURE SENSOR
- (#) KEY NOTE TAG
- (CO2) CO2 SENSOR
- SUPPLY AIR (S/A) TERMINAL
- RETURN AIR (R/A) TERMINAL
- EXHAUST AIR (E/A) TERMINAL
- LINEAR SLOT DIFFUSER
- FLEX DUCT OR FLEX PIPE

DUCTWORK



DUCT SIZE IN INCHES, FIRST SIZE IS SIDE SHOWN
18ø ROUND
18x12 RECTANGLE
18/12 OVAL



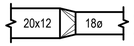
DUCT RISE IN DIRECTION OF ARROW



DUCT DROP IN DIRECTION OF ARROW



ROUND DUCT IN INCHES



CHANGE IN DUCT SIZE AND/OR SHAPE



VOLUME DAMPER



FIRE DAMPER



SMOKE DAMPER



FIRE/SMOKE DAMPER



MOTORIZED DAMPER

DUCT RISE/DROP/SECTION

SUPPLY AIR (S/A) - CROSS



RECTANGULAR DUCT TURNED UP/SECTION



ROUND DUCT TURNED UP/SECTION



RECTANGULAR DUCT TURNED DOWN/HIDDEN SECTION



ROUND DUCT TURNED DOWN/HIDDEN SECTION

RETURN AIR (R/A) - SLASH



RECTANGULAR DUCT TURNED UP/SECTION



ROUND DUCT TURNED UP/SECTION



RECTANGULAR DUCT TURNED DOWN/HIDDEN SECTION



ROUND DUCT TURNED DOWN/HIDDEN SECTION

EXHAUST AIR (E/A) - WYE
OUTSIDE AIR (O/A) - REVERSE WYE



RECTANGULAR DUCT TURNED UP/SECTION



ROUND DUCT TURNED UP/SECTION



RECTANGULAR DUCT TURNED DOWN/HIDDEN SECTION



ROUND DUCT TURNED DOWN/HIDDEN SECTION

ALL SYMBOLS AND ABBREVIATIONS DO NOT NECESSARILY APPEAR ON DRAWINGS

PIPING SYMBOLS

- VALVE
- GATE VALVE
- NEEDLE VALVE
- BALL VALVE
- GLOBE VALVE
- PLUG VALVE
- STOP COCK
- MOTORIZED(M) OR SOLENOID(S) VALVE
- 3 WAY MOTORIZED OR SOLENOID VALVE
- BUTTERFLY VALVE
- PRESSURE REDUCING VALVE
- PRESSURE REGULATOR
- PRESSURE SAFETY VALVE
- SPECIAL VALVE
- STRAINER WITH BLOW DOWN
- STRAINER
- UNION
- FLOW SWITCH
- PRESSURE SWITCH
- CHECK VALVE
- SPRING CHECK VALVE
- BACKFLOW PREVENTER
- BALANCE VALVE
- BALANCE VALVE (AUTOMATIC)
- BASKET STRAINER
- FIRE DEPT. CONNECTION
- HOSE BIBB
- HOSE THREAD DRAIN VALVE (1)
- HOSE THREAD BALL DRAIN VALVE (1)

(1) INDICATES TO PROVIDE W/ END CAP.

- REDUCER, CONCENTRIC
- REDUCER, ECCENTRIC
- PT PLUG
- END CAP
- BLIND FLANGE
- FLANGES
- HOSE QUICK DISCONNECT
- PIPE ELBOW DOWN
- PIPE ELBOW UP
- PIPE TEE UP
- PIPE TEE DOWN
- PIPE SLOPE DIRECTION DOWN (S=2%)
- FLOW DIRECTION
- THERMOWELL
- THERMOMETER (LIQUID IN GLASS)
- DIAL THERMOMETER
- PRESSURE GAUGE W/ COCK
- PRESSURE GAUGE W/ COCK & SIPHON
- AIR VENT C - COIN, M - MANUAL, A - AUTOMATIC, H - HIGH VOLUME
- EXPANSION LOOP
- EXPANSION JOINT
- EXPANSION GUIDE
- FLEX COUPLING
- ANCHOR
- WALL CLEANOUT
- FLOOR CLEAN OUT
- FLOOR SINK
- FLOOR DRAIN
- ROOF OVERFLOW DRAIN
- ROOF DRAIN
- PUMP (ARROWHEAD INDICATES FLOW DIRECTION)

GENERAL

NOTES:

(?) SPECIFIC TO LOCATION INDICATED.

1. NOTE APPLIES TO ENTIRE SHEET.

XX-X UNDERLINED DESIGNATOR HAS SCHEDULED VALUES, SEE MECHANICAL SCHEDULES.

LINETYPES

- EXISTING (THIN)
- NEW (MEDIUM)

(E) EXISTING
(N) NEW
CONNECT TO EXISTING

ABBREVIATIONS

ABV	ABOVE
ACH	AIR CHANGES PER HOUR
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
ARCH	ARCHITECT OR ARCHITECTURAL
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
BLDG	BUILDING
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CAP	CAPACITY
CC	COOLING COIL
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONC	CONCRETE
CONN	CONNECT OR CONNECTION
CONT	CONTINUATION
DB	DRY BULB
ø	DIAMETER OR PHASE
DEMO	DEMOLISH
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAR	EXHAUST AIR REGISTER
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
ESP	EXTERNAL STATIC PRESSURE
EXH	EXHAUST
EXIST	EXISTING
F	FAHRENHEIT
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPS
FLR	FLOOR
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FT	FEET
GAL	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HZ	HERTZ
HVAC	HEATING, VENTILATION & AIR CONDITIONING
IN	INCH OR INCHES
KW	KILOWATT
KWH	KILOWATT HOUR
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	THOUSANDS BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PACU	PACKAGED AIR CONDITIONING UNIT
PD	PRESSURE DROP
PH	PHASE
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
RAR	RETURN AIR REGISTER
REQD	REQUIRED
REV	REVISION(S)
RPM	REVOLUTION PER MINUTE
SA	SUPPLY AIR
SAD	SUPPLY AIR DIFFUSER
SF	SUPPLY FAN
SIM	SIMILAR
SP	STATIC PRESSURE
SQ	SQUARE
SQFT	SQUARE FOOT/FEET
TA	TRANSFER AIR
TG	TRANSFER GRILLE
TSP	TOTAL STATIC PRESSURE
T-STAT	THERMOSTAT
TU	TERMINAL UNIT
TYP	TYPICAL
V	VOLTS
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
WB	WET BULB

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_M24.rvt

DRAWING TITLE

MECHANICAL LEGEND AND ABBREVIATIONS

SCALE: 12" = 1'-0"

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	M-002

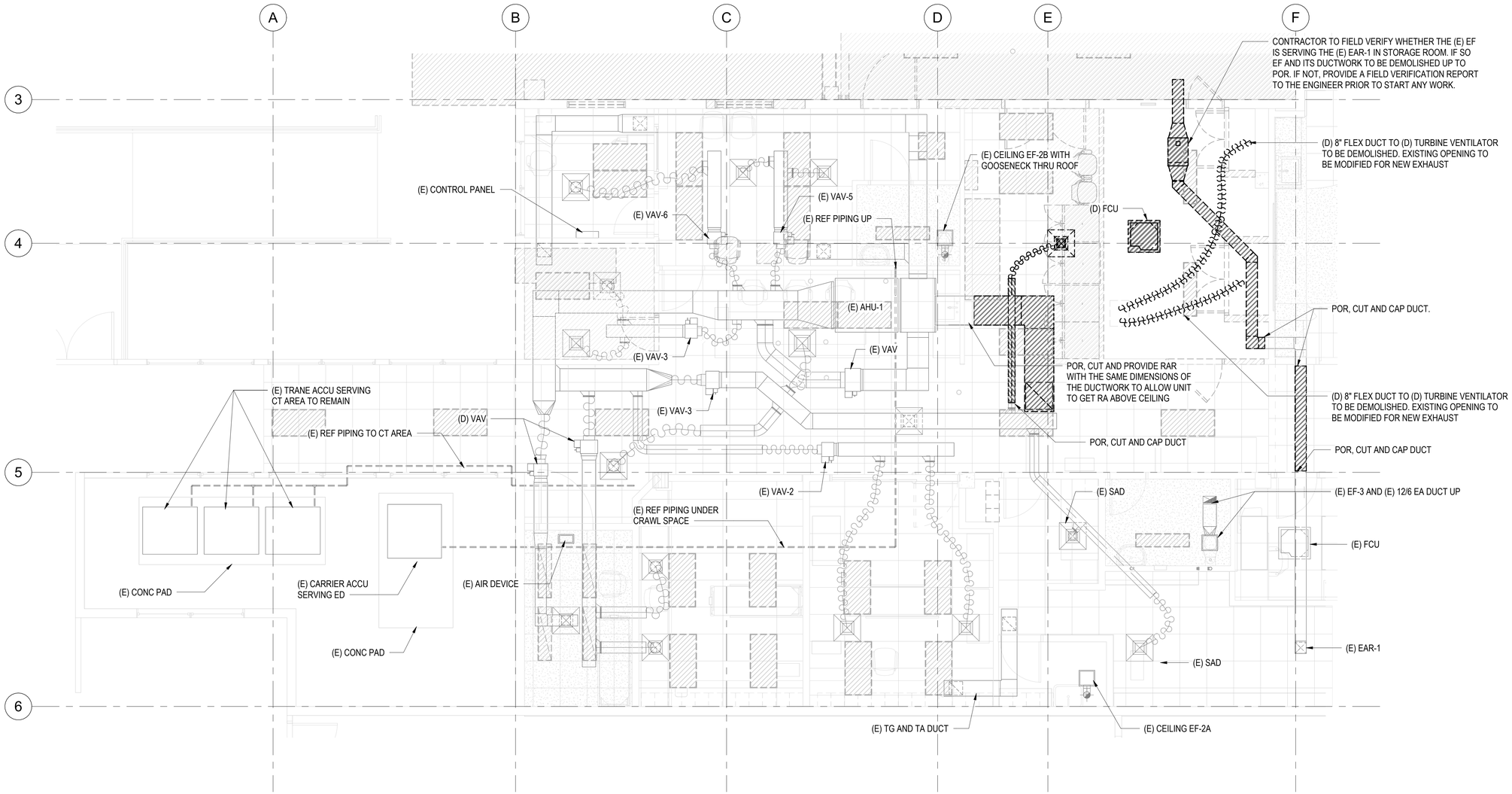
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NOTES

1. CONTRACTOR TO COORDINATE WITH ARCHITECT AND USER FOR BOUNDARIES OF TEMPORARY CONSTRUCTION BARRIERS AND POINTS OF ACCESS.
2. CONTRACTOR TO ENSURE THAT ALL "STAGE A" WORK IS DONE WHILE MAINTAINING FULL OPERATION OF THE EXISTING EMERGENCY DEPARTMENT



1 ENLARGED MECHANICAL DEMO PLAN - STAGE A
1/4" = 1'-0"

4' 2' 0' 4' 8'

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PROJECT TITLE

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_M24.rvt

DRAWING TITLE
PARTIAL MECHANICAL DEMO PLAN - STAGE A

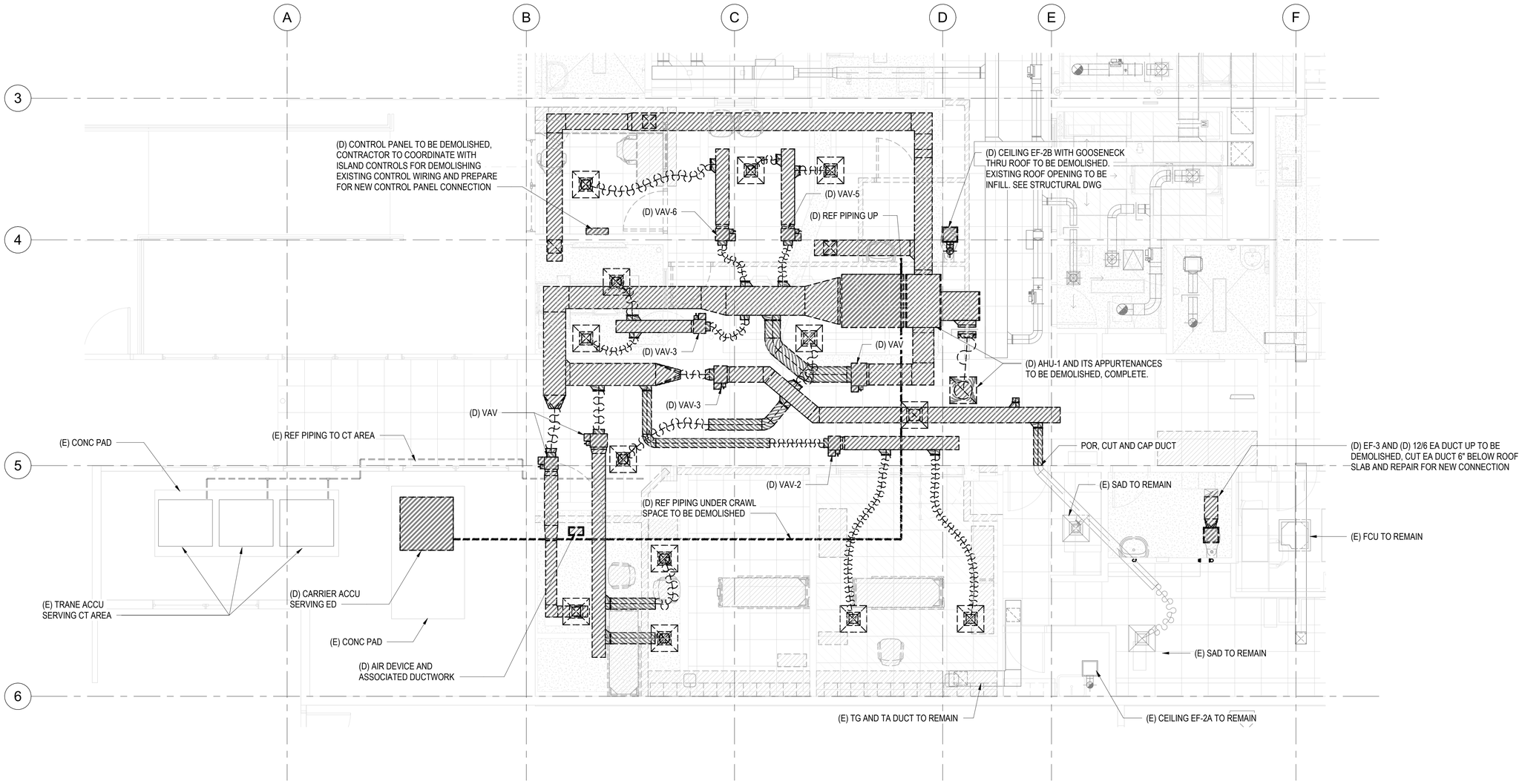
SCALE: 1/4" = 1'-0"

DRAWN BY:	CHECKED BY:
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PROJECT NO.	DRAWING NO.
225057-01	MD-101
SHEET ISSUE DATE: 02/27/26	

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1 MD-102 ENLARGED MECHANICAL DEMO PLAN - STAGE B

1/4" = 1'-0"

4' 2' 0' 4' 8'

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PROJECT TITLE

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

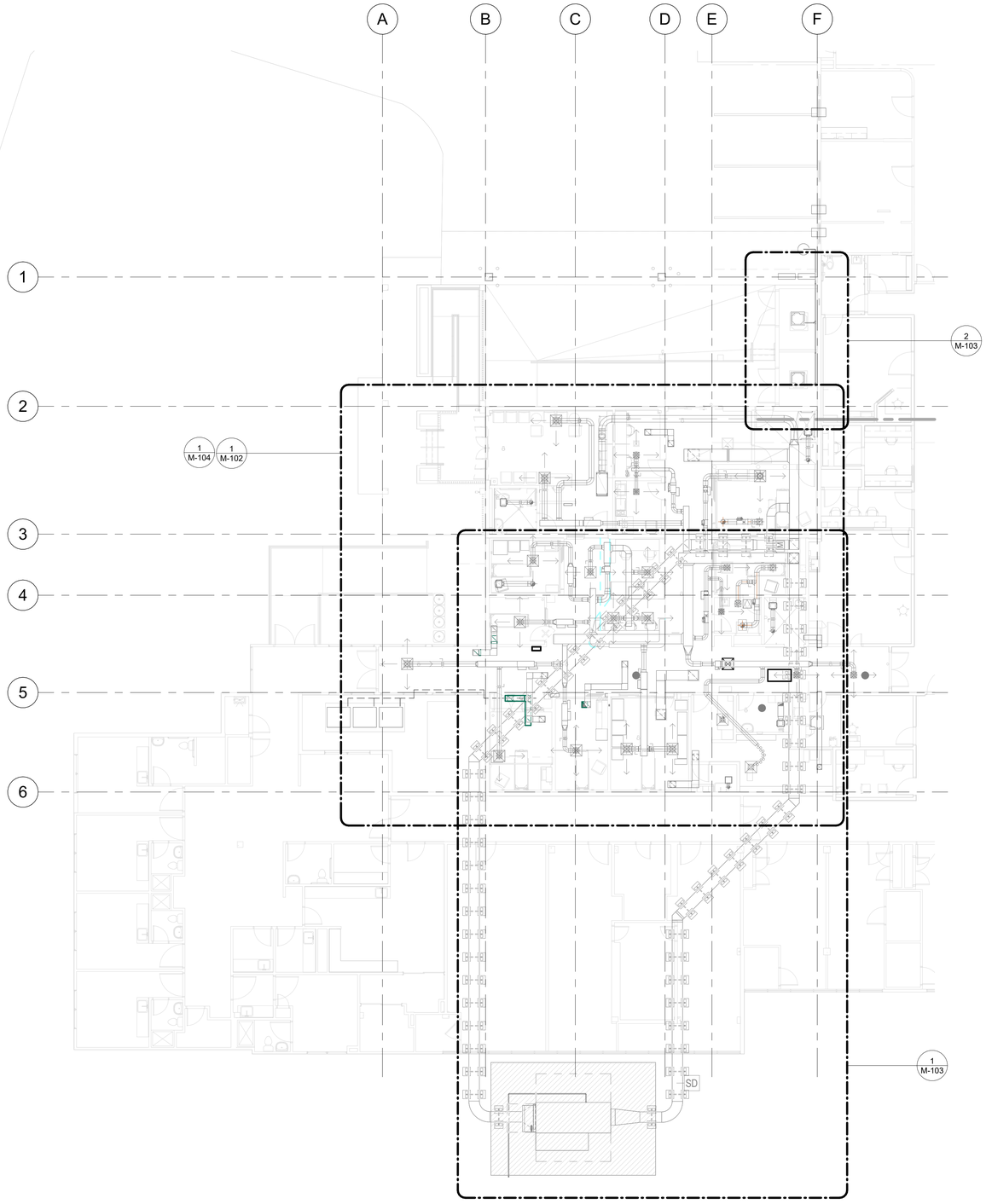
PARTIAL MECHANICAL DEMO PLAN - STAGE B

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

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JA	TT/NA
PROJECT NO.	DRAWING NO.
225057-01	MD-102
SHEET ISSUE DATE: 02/27/26	

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1 OVERALL MECHANICAL PLAN
3/32" = 1'-0"

30' 15' 0' 30' 60'

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_M24.rvt

DRAWING TITLE
OVERALL MECHANICAL PLAN

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

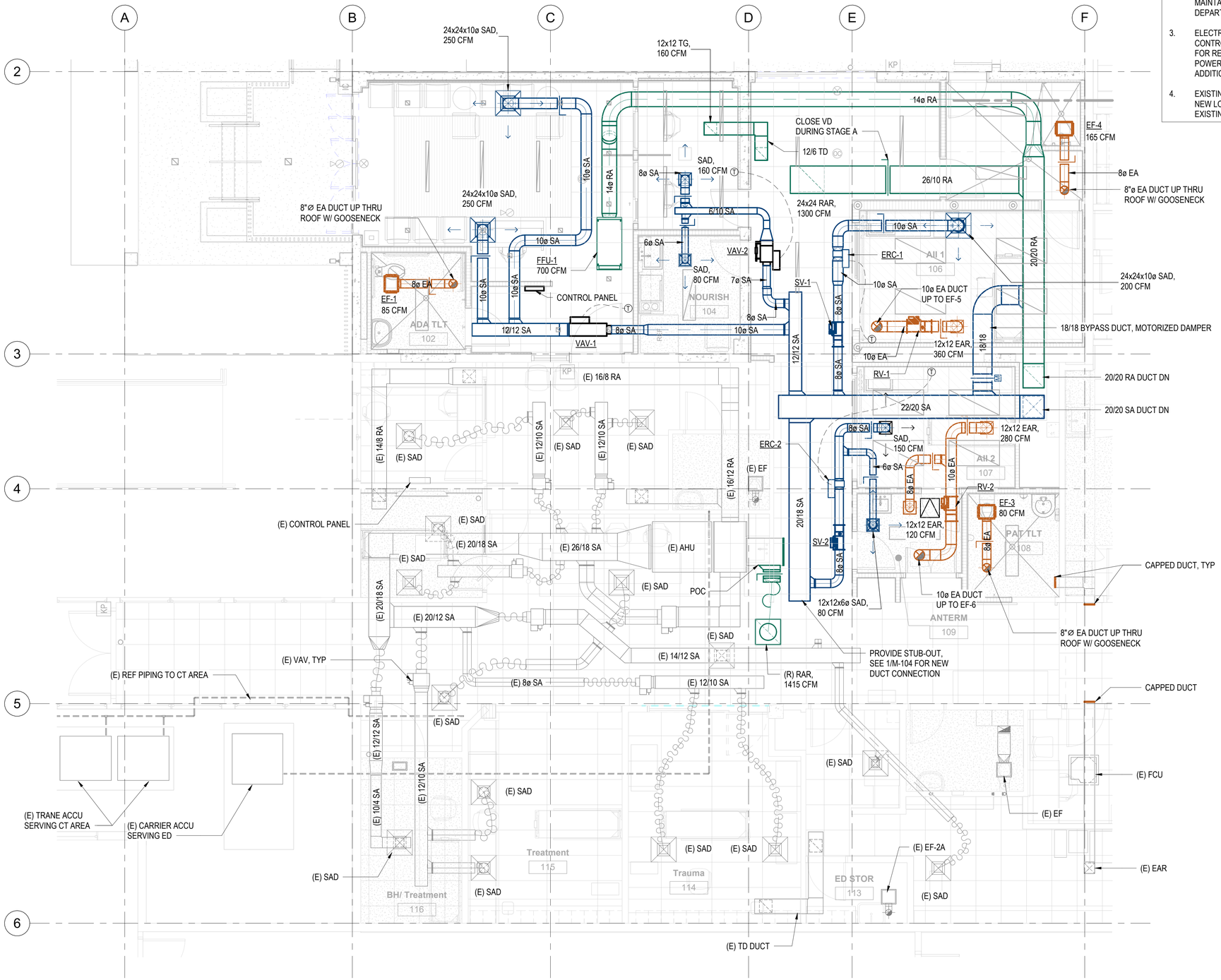
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JA	TT/NA
PROJECT NO.	DRAWING NO.
225057-01	**M-101**
SHEET ISSUE DATE:	
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NOTES

1. CONTRACTOR TO COORDINATE WITH ARCHITECT AND USER FOR BOUNDARIES OF TEMPORARY CONSTRUCTION BARRIERS AND POINTS OF ACCESS.
2. CONTRACTOR TO ENSURE THAT ALL "STAGE A" WORK IS DONE WHILE MAINTAINING FULL OPERATION OF THE EXISTING EMERGENCY DEPARTMENT.
3. ELECTRICAL JUNCTION BOX MUST BE PROVIDED FOR CONTROL POWER. CONTROL CONTRACTOR MUST CONNECT TO THESE JUNCTION BOXES FOR REQUIRED POWER. SEE ELECTRICAL DRAWINGS FOR LOCATION OF POWER. COORDINATE WITH THE ELECTRICAL CONTRACTOR IF ADDITIONAL JUNCTION BOXES/ CONTROL PANELS ARE REQUIRED.
4. EXISTING RAR SHALL BE CLEANED OF DUST/DIRT AND REINSTALL AT NEW LOCATION. PROVIDE FLEXIBLE DUCT FOR NEW CONNECTION TO EXISTING RA DUCT.



1 ENLARGED MECHANICAL PLAN - STAGE A

1/4" = 1'-0"

8' 4' 0' 8' 16'

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TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

PARTIAL FLOOR MECHANICAL PLAN - STAGE A

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

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JA	TT/NA

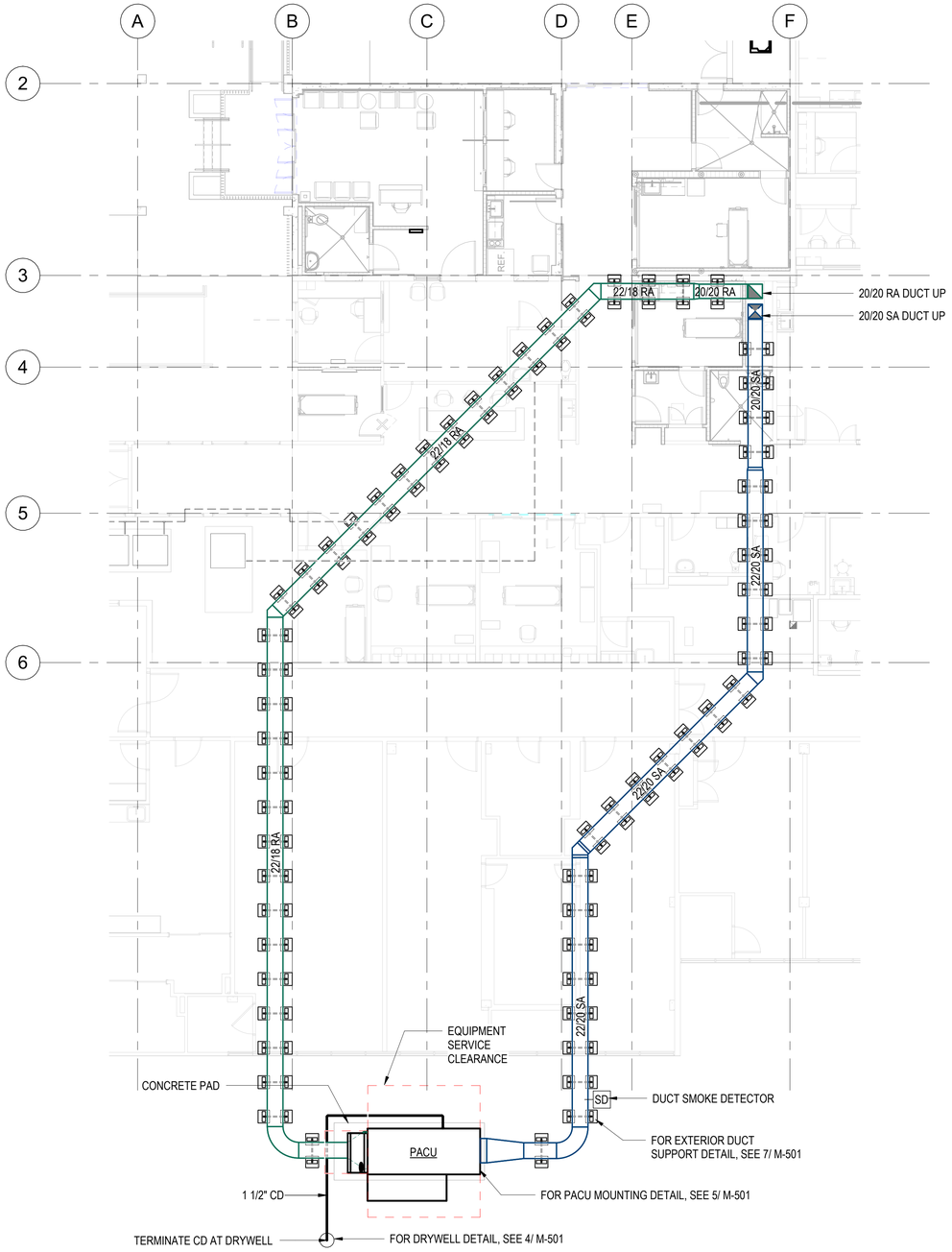
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225057-01	M-102
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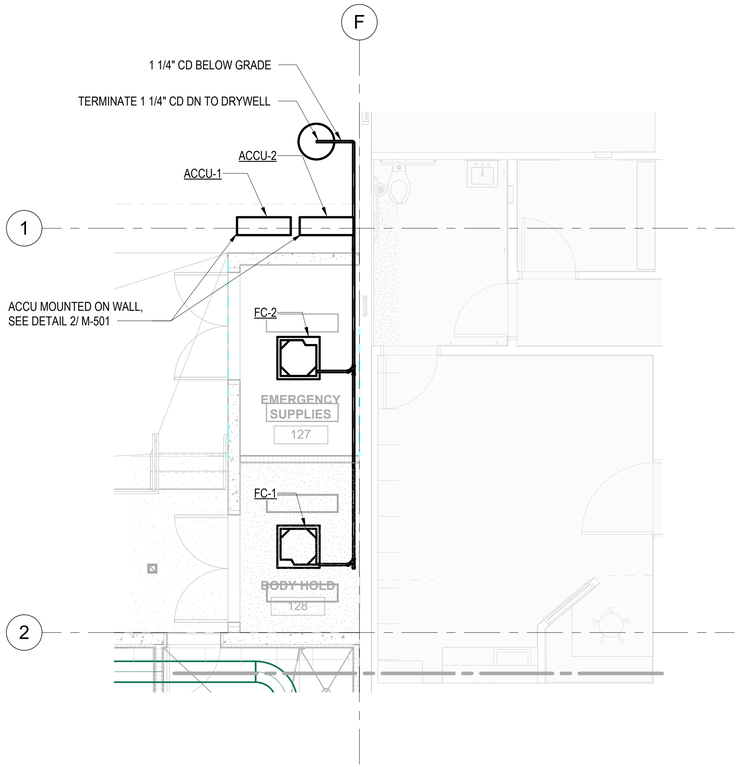
1. CONTRACTOR TO OFFSET DUCTWORK IF THERE IS A CONFLICT WITH SEWER, WATER AND MED GAS PIPING.



1 LOWER LEVEL/ CRAWL SPACE MECHANICAL PLAN - STAGE A

1/8" = 1'-0"

8' 4' 0' 8' 16'



2 PARTIAL MECHANICAL PLAN - STAGE A

1/4" = 1'-0"

4' 2' 0' 4' 8'

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TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

PARTIAL GROUND FLOOR MECHANICAL PLAN - STAGE A

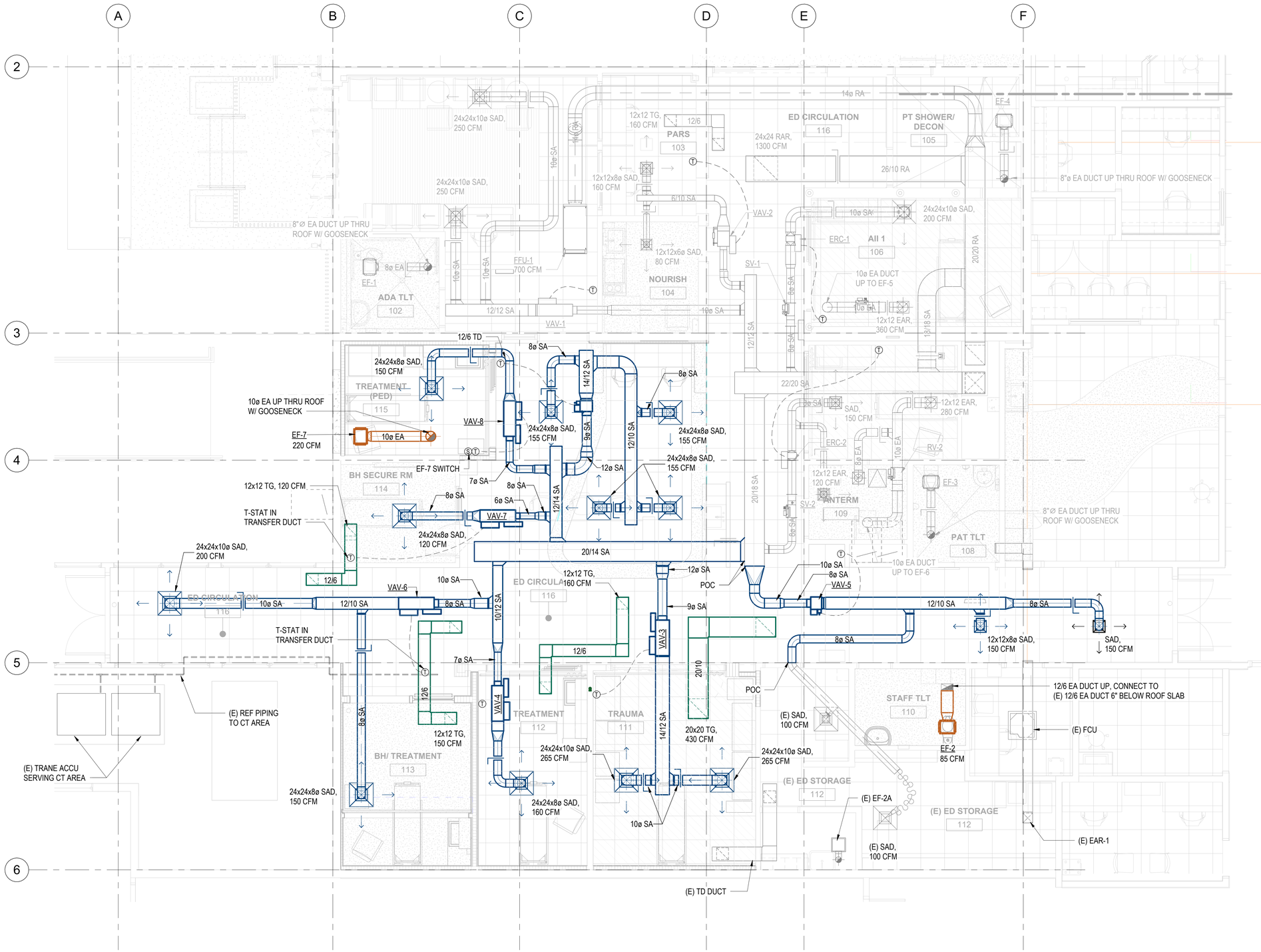
SCALE: As indicated

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PROJECT NO.	DRAWING NO.
225057-01	**M-103**
SHEET ISSUE DATE: 02/27/26	

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1 M-104 ENLARGED MECHANICAL PLAN - STAGE B

1/4" = 1'-0"

8' 4' 0' 8' 16'

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PROJECT TITLE

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TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

PARTIAL FLOOR MECHANICAL PLAN - STAGE B

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

DRAWN BY:	CHECKED BY:
JA	TT/NA

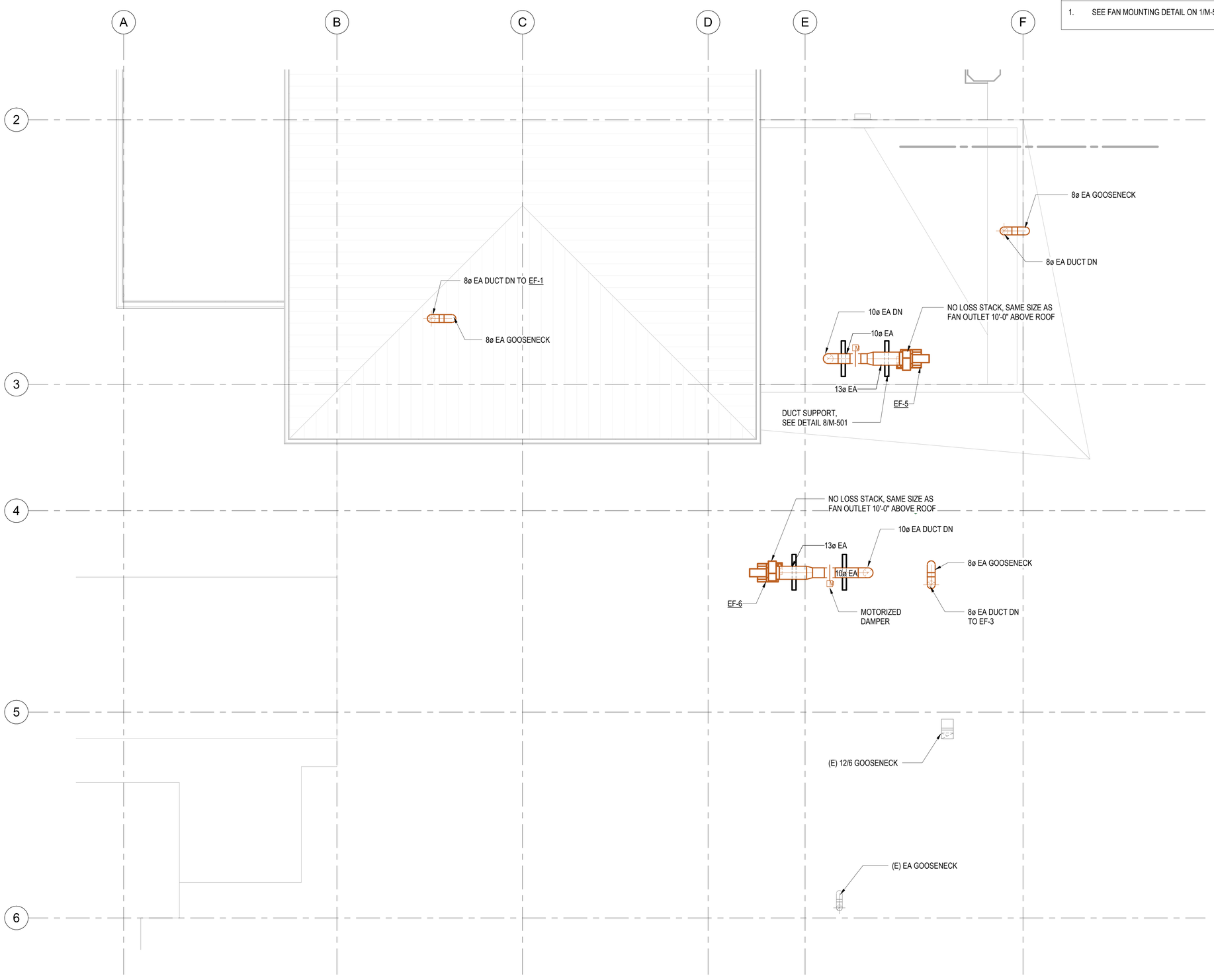
PROJECT NO.	DRAWING NO.
225057-01	M-104
SHEET ISSUE DATE: 02/27/26	

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NOTES

1. SEE FAN MOUNTING DETAIL ON 1/M-501 FOR EF-5 AND EF-6.



1 PARTIAL ROOF MECHANICAL PLAN - STAGE A
1/4" = 1'-0"

4' 2' 0' 4' 8'

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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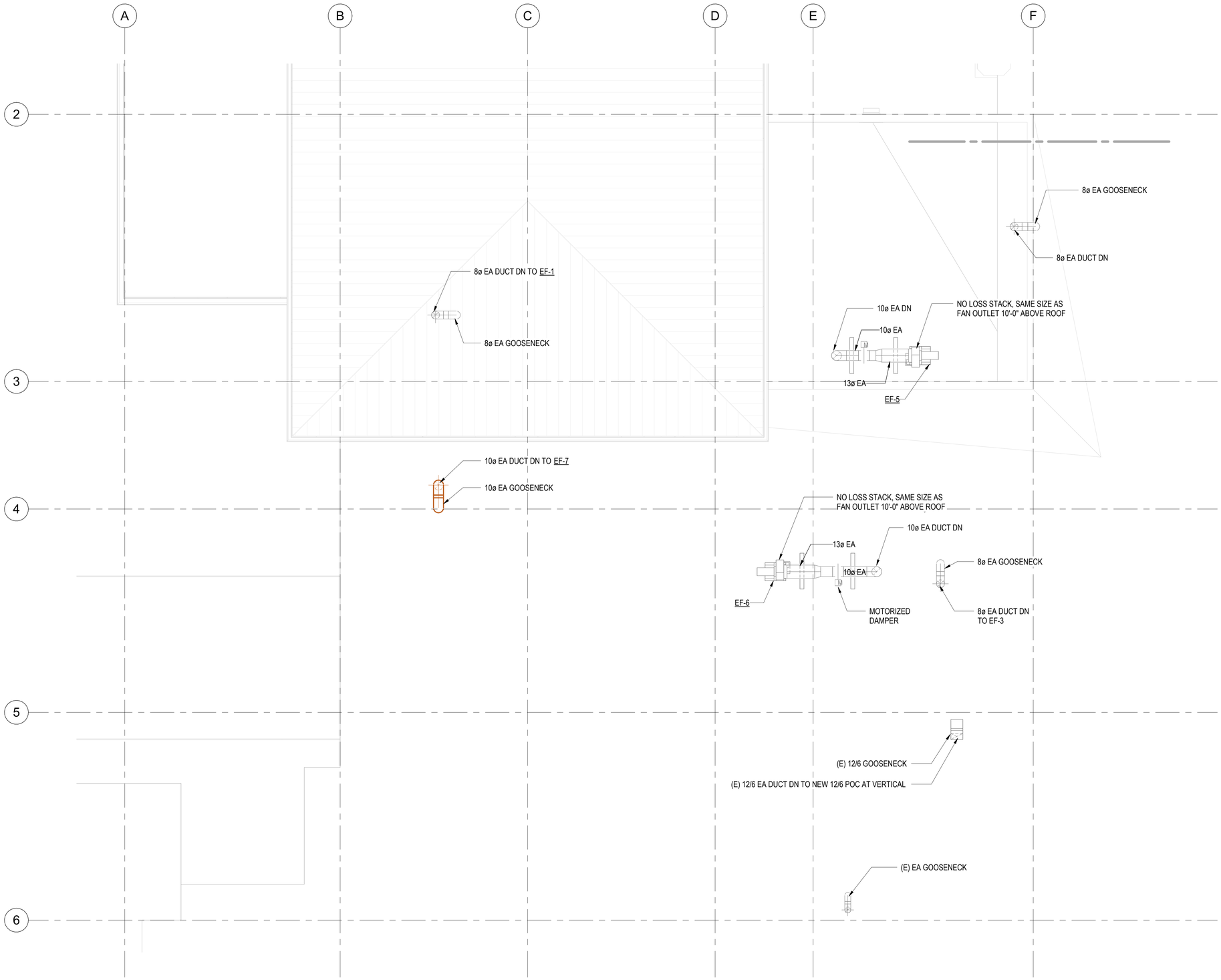
DRAWING TITLE
PARTIAL ROOF MECHANICAL PLAN - STAGE A

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

DRAWN BY:	CHECKED BY:
JA	TT/NA
PROJECT NO.	DRAWING NO.
225057-01	M-105
SHEET ISSUE DATE: 02/27/26	

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1 PARTIAL ROOF MECHANICAL PLAN - STAGE B

1/4" = 1'-0"

4' 2' 0' 4' 8'

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_M24.rvt

DRAWING TITLE

PARTIAL ROOF MECHANICAL PLAN - STAGE B

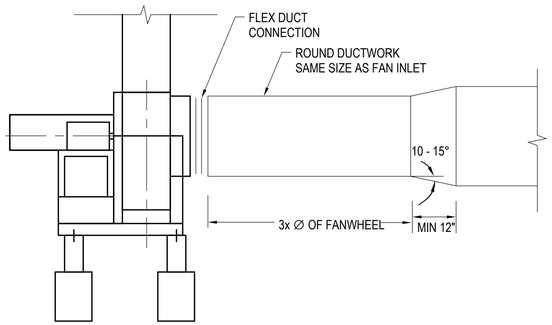
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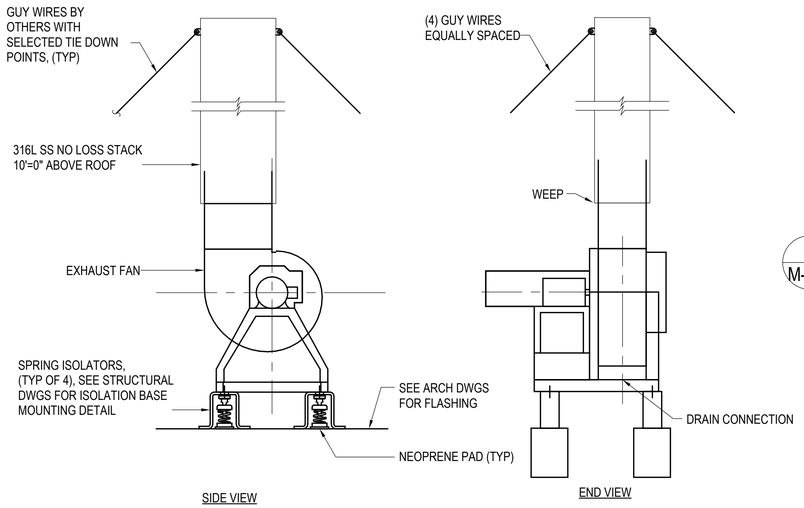
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225057-01	**M-106**
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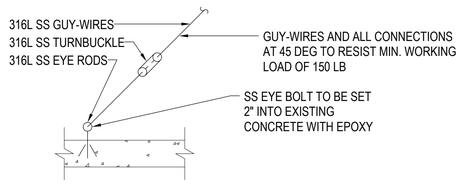
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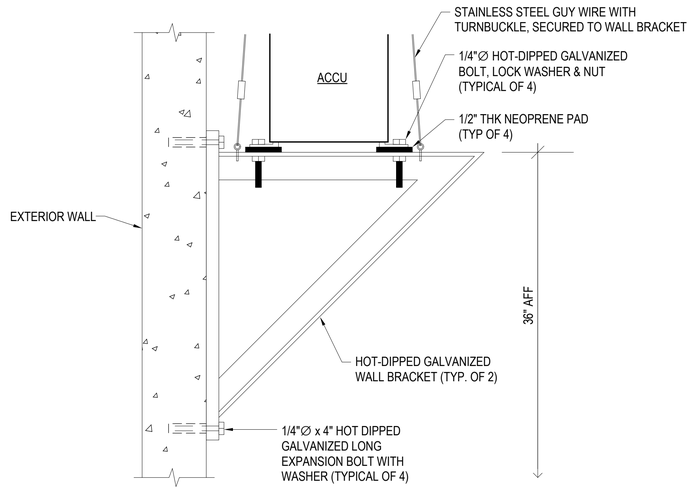
FAN INLET CONNECTION



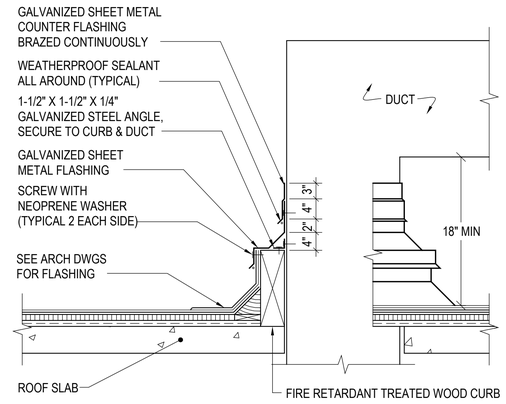


SECURE GUY-WIRES TO ROOF

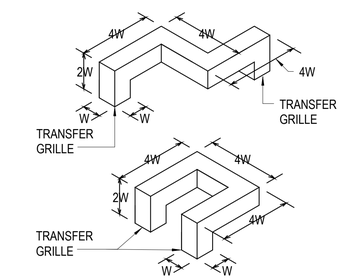
1 M-501 EXHAUST FAN MOUNTING DETAIL
NOT TO SCALE



2 M-501 ACCU MOUNTING DETAIL
NOT TO SCALE

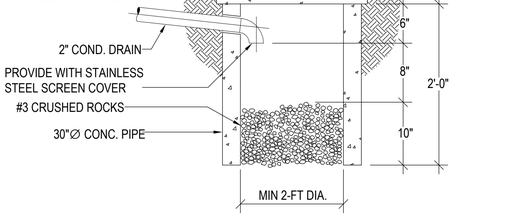


3 M-501 DUCT THRU ROOF DETAIL
NOT TO SCALE

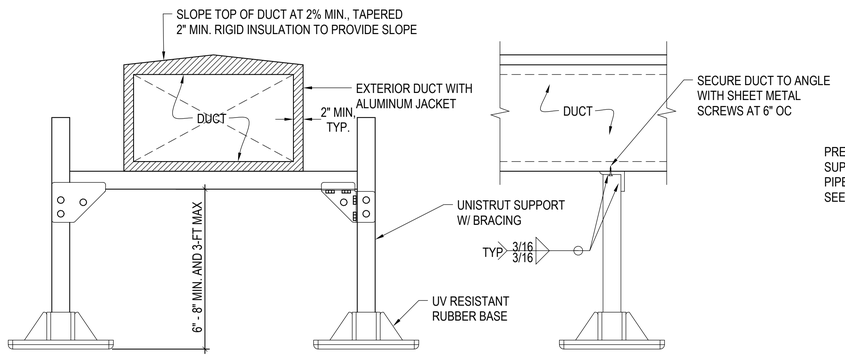


NOTES:
1. PROVIDE MINIMUM (4) 90° MITERED ELBOWS.
2. DUCTS SHALL BE SIZED FOR MAXIMUM 350 FPM VELOCITY FOR NC25.

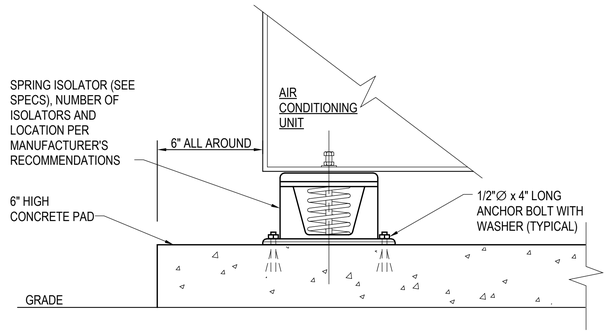
6 M-501 TYPICAL TRANSFER DETAIL
NOT TO SCALE



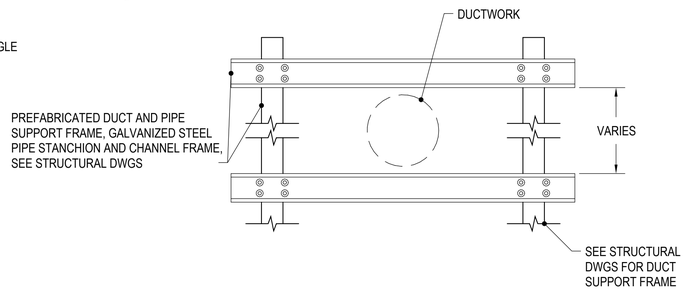
4 M-501 DRYWELL DETAIL
NOT TO SCALE



7 M-501 EXTERIOR DUCT SUPPORT AND DUCT CONSTRUCTION DETAIL
NOT TO SCALE



5 M-501 TYPICAL AIR CONDITIONING UNIT MOUNTING DETAIL
NOT TO SCALE



8 M-501 DUCT SUPPORT DETAIL
NOT TO SCALE

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SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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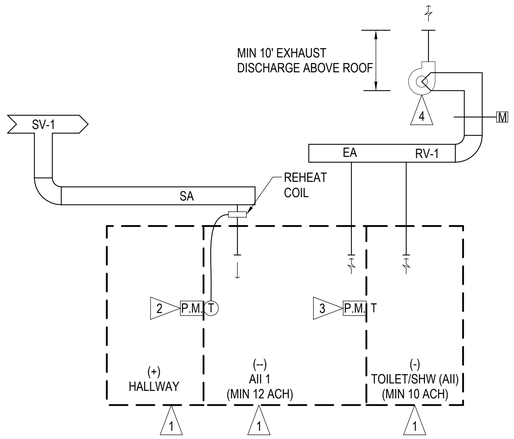
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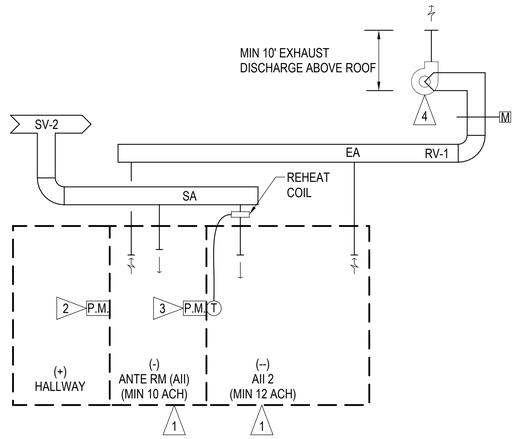
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NOTES:

1. ROOM ENVELOPE, DOORS, AND PENETRATIONS SHOULD BE SEALED TO LIMIT AIR LEAKAGE (SEE ARCH REQUIREMENTS). SEAL ALL PIPE WALL PENETRATIONS AT ROOM WITH NO OR LOW VOC WATER-BASED CAULKING. PROVIDE AT LEAST THREE APPLICATIONS TO ASSURE AIR TIGHT CLOSURE.
2. ROOM PRESSURE MONITOR SHALL ALARM IF PRESSURE IS NOT MAINTAINED FOR A PERIOD EXCEEDING 30 SECONDS. MINIMUM NEGATIVE 0.02" WG PRESSURE DIFFERENTIAL FOR AII 1.
3. ROOM PRESSURE MONITOR SHALL ALARM IF PRESSURE IS NOT MAINTAINED FOR A PERIOD EXCEEDING 30 SECONDS. MINIMUM NEGATIVE 0.02" WG PRESSURE DIFFERENTIAL FOR SHOWER (AII 1)
4. EXHAUST FAN SET TO MAINTAIN MINIMUM EXH ACH, INTERLOCK WITH MOTORIZED DAMPER.

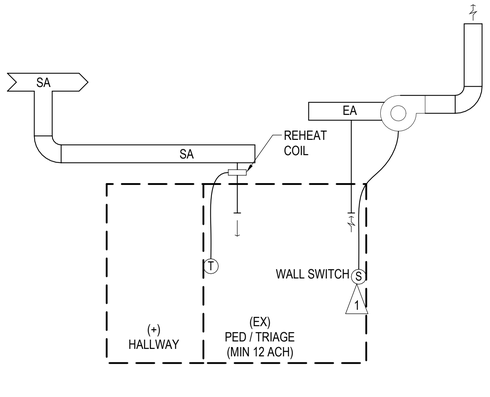
1 AII 1 ROOM CONTROL DIAGRAM
M-502 NOT TO SCALE



NOTES:

1. ROOM ENVELOPE, DOORS, AND PENETRATIONS SHOULD BE SEALED TO LIMIT AIR LEAKAGE (SEE ARCH REQUIREMENTS). SEAL ALL PIPE WALL PENETRATIONS AT ROOM WITH NO OR LOW VOC WATER-BASED CAULKING. PROVIDE AT LEAST THREE APPLICATIONS TO ASSURE AIR TIGHT CLOSURE.
2. ROOM PRESSURE MONITOR SHALL ALARM IF PRESSURE IS NOT MAINTAINED FOR A PERIOD EXCEEDING 30 SECONDS. MINIMUM NEGATIVE 0.01" WG PRESSURE DIFFERENTIAL FOR ANTE ROOM.
3. ROOM PRESSURE MONITOR SHALL ALARM IF PRESSURE IS NOT MAINTAINED FOR A PERIOD EXCEEDING 30 SECONDS. MINIMUM NEGATIVE 0.02" WG PRESSURE DIFFERENTIAL FOR AII 2.
4. EXHAUST FAN SET TO MAINTAIN MINIMUM EXH ACH, INTERLOCK WITH MOTORIZED DAMPER.

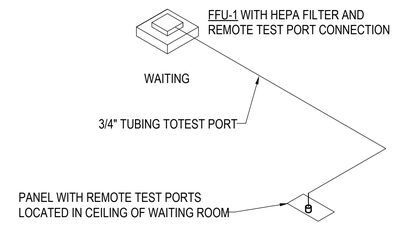
2 AII2 ROOM CONTROL DIAGRAM
M-502 NOT TO SCALE



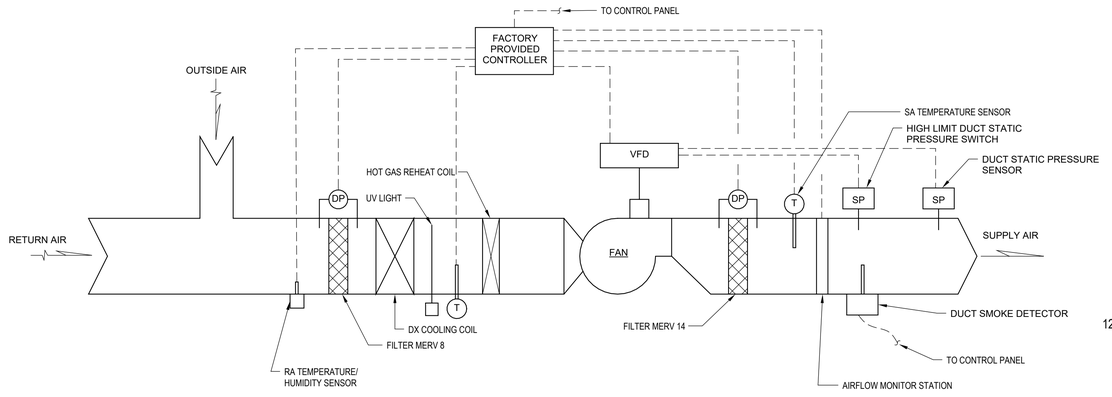
NOTES:

1. NORMAL CONDITION, EXHAUST FAN IS SET OFF. EXHAUST IS ON WHEN ROOM IS USED AS TRIAGE. EXHAUST INTERLOCK WITH WALL SWITCH. FAN SET TO MAINTAIN MINIMUM EXH ACH.

3 PED/ TRIAGE ROOM CONTROL DIAGRAM
M-502 NOT TO SCALE



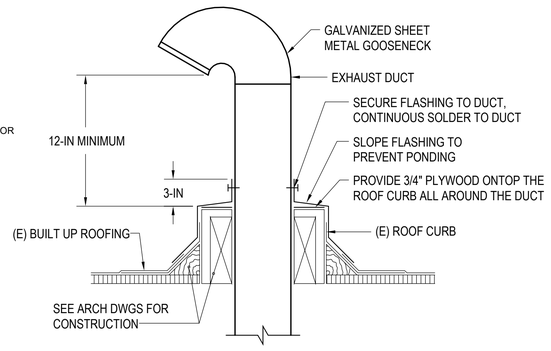
4 HEPA FILTER REMOTE TEST PORT DETAIL
M-502 NOT TO SCALE



NOTES:

1. PACKAGE AIR CONDITIONING UNIT (PACU) MUST UTILIZE A VARIABLE CAPACITY COMPRESSOR SYSTEM AND A VARIABLE SPEED SUPPLY FAN SYSTEM TO MODULATE COOLING AND AIRFLOW AS REQUIRED TO MEET SPACE TEMPERATURE.
2. SUPPLY FAN SPEED MUST BE MODULATED BASED ON SUPPLY AIR DUCT STATIC PRESSURE. COOLING CAPACITY MUST BE MODULATED BASED ON SUPPLY AIR TEMPERATURE. WITH MODULATING HOT GAS REHEAT, UNIT MUST MODULATE COOLING AND HOT GAS REHEAT TO MEET SPACE HUMIDITY AND PREVENT OVERCOOLING.
3. RETURN AIR TEMPERATURE / HUMIDITY SENSOR ALSO MUST BE USED TO MAINTAIN SPACE TEMPERATURE SET POINT. PACU SHALL BE OFF DURING UNOCCUPIED PERIODS WHICH SHALL BE EMERGENCY DEPARTMENT DEFINED AND ADJUSTABLE.
4. ULTRAVIOLET LIGHTS MUST OPERATE INDEPENDENTLY OF ITS PACU, ENERGIZED 24/7. IN ADDITION TO ITS DISCONNECT SWITCH. THE UV LIGHTS SHALL BE PROVIDED WITH DOOR INTERLOCK(S) AT ACCESS DOOR EXPOSED TO THE UV LIGHTS.

5 TYPICAL PACU CONTROL DIAGRAM
M-502 NOT TO SCALE



6 GOOSENECK DETAIL
M-502 NOT TO SCALE

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

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PACKAGE AIR CONDITIONING UNIT SCHEDULE

UNIT NO	MANUFACTURER AND MODEL	LOCATION	SENSIBLE COOL CAP (MBH)	TOTAL COOL CAP (MBH)	ESP IN	SUPPLY AIR CFM	OUTSIDE AIR CFM	EVAPORATOR			COMPRESSOR			CONDENSER FAN			SUPPLY FAN				ENT AIR TEMP °F		LAT °F		REFR TYPE	ELECTRICAL				OPR WT POUNDS	PRE-FILTER	FINAL FILTER	UV-C LIGHTS			REMARKS
								NO ROWS	FPI	COIL FACE VELOCITY FPM	QTY	RPM	RLA	QTY	RPM	HP	RPM	FAN ENERGY INDEX	HP	FLA	DB	WB	DB	WB		V/∅/HZ	FLA	MCA	MOP				WATTS	VOLTS	∅	
PACU-1	AAON RN-016	OUTSIDE	85.3	146	2.5	3600	1600	6	12	173.6	2	3500	26.9	2	1100	1	1760	0.86	7.5	15.2	78.4	67.9	55	53.4	R454B	208/3/60	93	100	125	3092	2" MERV 8	12" MERV 14	7.5W/SF OF COIL AREA	120	1	SEE NOTES [1], [2].
-	-	-		-																	-	-							-	-		-	-	-	-

NOTES:
[1]. PROVIDE PRE-FILTER MERV 8 AND FINAL FILTER MERV 14. FINAL FILTER TO BE DOWNSTREAM SUPPLY FAN.
[2]. UV-C LIGHTS SHOULD BE PROVIDED WITH A SHIELD TO DIRECT THE LIGHT TO THE COOLING COIL. PROTECT ALL OTHER MATERIALS THAT MIGHT BE AFFECTED BY THE UV-C LIGHTS. UV LIGHTS INTERLOCK WITH ACCESS DOOR.
[3]. PROVIDE UNIT WITH HOT GAS REHEAT.

EXHAUST FAN SCHEDULE

MARK	LOCATION	AREA SERVED	MODEL	TYPE	CFM	ESP (IN. WG.)	FAN RPM	VOLTS	PH	HZ	WATTS	FLA	MOP	SONES	UNIT WEIGHT	REMARKS
EF-1	ADA TLT	ADA TLT	GREENHECK SP-A200	CEILING EXH FAN	85	0.5	783	115	1	60	-	0.46	-	2.5	24	PROVIDE FAN WITH SPEED CONTROL AND FAN SHALL RUN FOR 24/7.
EF-2	STAFF TLT	STAFF TLT	GREENHECK SP-A200	CEILING EXH FAN	85	0.5	783	115	1	60	-	0.46	-	2.5	24	PROVIDE FAN WITH SPEED CONTROL AND FAN SHALL RUN FOR 24/7.
EF-3	PAT TLT	PAT TLT	GREENHECK SP-A200	CEILING EXH FAN	80	0.5	776	115	1	60	-	0.46	-	2.5	24	PROVIDE FAN WITH SPEED CONTROL AND FAN SHALL RUN FOR 24/7.
EF-4	SHOWER	SHOWER	GREENHECK SP-A250	CEILING EXH FAN	165	0.5	944	115	1	60	-	0.56	-	3.5	24	PROVIDE FAN WITH SPEED CONTROL AND FAN SHALL RUN FOR 24/7.
EF-5	ROOF	All 1	FJ-4-VG	UTILITY	360	1.0	2139	208	3	60	1 HP	-	10	16.9	273	PROVIDE FAN WITH SPEED CONTROL AND FAN SHALL RUN FOR 24/7.
EF-6	ROOF	All 2 ANTERM	FJ-4-VG	UTILITY	280	1.0	1959	208	3	60	1 HP	-	10	15.4	217	PROVIDE FAN WITH SPEED CONTROL AND FAN SHALL RUN FOR 24/7.
EF-7	PED 115 / TRIAGE	PED 115 / TRIAGE	GREENHECK SP-A390 VG	CEILING EXH FAN	220	0.5	1455	115	1	60	-	1.5	-	5.5	24	PROVIDE FAN WITH SPEED CONTROL AND WALL MOUNT SWITCH.

TERMINAL UNIT SCHEDULE

MARK	AREA SERVED	AIRFLOW CFM			INLET SIZE Ø DUCT (IN)	ROOM SET POINT TEMP. (°F)	MAX. WIDE OPEN SP (EXCLUSIVE OF DOWNSTREAM)	ELECTRICAL	REHEAT	DISCHARGE SOUND LEVEL [1]						RADIATED SOUND LEVEL [1]						REMARKS
		MIN	DESIGN	MAX				V/PH/HZ	KW	125	250	500	1000	2000	4000	125	250	500	1000	2000	4000	
VAV-1	WAITING	500	500	920	8	72	0.1	208/3/60	2.5	77	69	61	58	52	47	62	54	44	39	32	26	SEE NOTES [1],[2],[3].
VAV-2	PARS / NOURISH	70	240	700	7	75	0.1	208/3/60	NONE	72	67	57	55	48	46	57	49	44	35	32	27	SEE NOTES [1],[2].
VAV-3	TRAUMA	530	530	1160	9	72	0.1	208/3/60	3.0	75	66	58	60	52	50	61	51	48	40	34	29	SEE NOTES [1],[2],[3].
VAV-4	TREATMENT 112	140	160	700	7	72	0.1	208/3/60	1.5	72	67	57	55	48	46	57	49	44	35	32	27	SEE NOTES [1],[2],[3].
VAV-5	ED CIRCULATION EXISTING STORAGE	500	500	920	8	75	0.1	208/3/60	NONE	76	69	61	59	52	51	62	53	47	40	35	28	SEE NOTES [1],[2].
VAV-6	BH TREATMENT 113 ED CIRCULATION	350	350	920	8	72	0.1	208/3/60	2.0	76	69	61	59	52	51	62	53	47	40	35	28	SEE NOTES [1],[2],[3].
VAV-7	BH SECURE 114	80	120	360	5	72	0.1	208/3/60	1.5	65	61	49	46	40	39	52	43	32	27	23	21	SEE NOTES [1],[2],[3].
VAV-8	TREATMENT (PED) / TRIAGE	150	150	700	7	72	0.1	208/3/60	1.5	72	67	57	55	48	46	57	49	44	35	32	27	SEE NOTES [1],[2],[3].
VAV-9	NURSE STATION	120	620	1160	9	72	0.1	208/3/60	NONE	67	58	49	51	45	43	53	43	40	34	29	25	SEE NOTES [1],[2].

NOTES:
[1]. OCTAVE BAND (BD RE. 10^-12 W) DISCHARGE/RADIATED SOUND POWER LEVEL OF VALVE AT MAX DESIGN AIRFLOW @ TESTED AT 0.75 IN. WG. STATIC PRESSURE AT AHRI RATING CONDITIONS.
[2]. PROVIDE WITH DIGITAL CONTROLS AND THERMOSTAT, 24V LOW VOLTAGE POWER TO EACH VAV BOX. ELECTRICAL TO PROVIDE 208V/3PH CIRCUITS TO TERMINAL UNITS AS REQUIRED.
[3]. PROVIDE SCR CONTROL FOR VAV BOX WITH ELECTRIC REHEAT.

AIR CONTROL VALVE

MARK	MAKE & MODEL	AIRFLOW CFM			AREA(S) SERVED	AIR INLET SIZE	TYPE	REMARKS
		MIN	DESIGN	MAX				
SV-1	ACCUTROL AVR4000	200	200	367	All 1	8"	SUPPLY	PROVIDE STEP DOWN TRANSFORMER, 24V LOW VOLTAGE POWER TO AIR VALVE. TIE ROOM TEMPERATURE SENSOR TO AVR CONTROLLER.
SV-2	ACCUTROL AVR4000	230	230	367	All 2 / ANTERM	8"	SUPPLY	PROVIDE STEP DOWN TRANSFORMER, 24V LOW VOLTAGE POWER TO AIR VALVE. TIE ROOM TEMPERATURE SENSOR TO AVR CONTROLLER.
RV-1	ACCUTROL AVT4000	360	360	606	All 1	10"	RETURN	PROVIDE STEP DOWN TRANSFORMER, 24V LOW VOLTAGE POWER TO AIR VALVE.
RV-2	ACCUTROL AVT4000	400	400	606	All 2 / ANTERM	10"	RETURN	PROVIDE STEP DOWN TRANSFORMER, 24V LOW VOLTAGE POWER TO AIR VALVE.

ELECTRIC REHEAT COIL

MARK	CFM	LOCATION	AREA(S) SERVED	DUCT SIZE	ELECTRIC V / ∅ / HZ	REMARKS
ERC-1	200	AFTER SV-1	All 1	8" x 8"	120 / 1 /60	ELECTRIC REHEAT 1.0 KW, SCR CONTROL. PROVIDE ROOM THERMOSTAT. SEE NOTE [1].
ERC-2	230	AFTER SV-2	All 2 / ANTERM	8" x 8"	120 / 1 /60	ELECTRIC REHEAT 1.5 KW, SCR CONTROL. PROVIDE ROOM THERMOSTAT. SEE NOTE [1].

NOTES:
[1]. PROVIDE TRANSITION INTO AND OUT INSERT TYPE ERC AS REQUIRED.

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EQUIPMENT SCHEDULES

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FAN FILTER UNIT SCHEDULE

TAG	MANUFACTURER AND MODEL	LOCATION	AIRFLOW (CFM)	FAN	MOTOR				SOUND PRESSURE LEVEL (dBA)	FILTER	UNIT DIMENSIONS		UNIT WEIGHT	REMARKS
			DESIGN		QTY	ECM	V / ∅ / HZ	MAX AMPS		TYPE	LENGTH	WIDTH		
FFU-1	PRICE RSR	WAITING	700	FC	1	1	208/1/60	4.8	46	HEPA	48"	24"	74	SEE NOTES [1], [2].

NOTES:
[1] - FILTER TO BE ROOM-SIDE REMOVABLE. HEPA FILTER TO BE 99.99% EFFICIENT.
[2] - PROVIDE AEROSOL INJECTION PORT, LED FILTER STATUS INDICATOR, AND STANDARD ECM SPEED CONTROLLER.

FAN COIL (DX) SCHEDULE

MARK	MAKE & MODEL	LOCATION	TYPE	SENSIBLE (BTUH)	TOTAL COOLING CAP. (BTUH)	CFM	ESP (IN WG)	ENTERING AIR CONDITIONS		VOLTS	PH	HZ	FLA	MCA	DRAIN (IN.)	REFRIGERANT PIPE (IN.)		DBA	UNIT WEIGHT (LBS)	REMARKS
								DB	WB							LIQUID	GAS			
FC-1	DAIKIN FCA18AAVJU	BODY HOLDING	4WAY CASSETTE	16,100	18,000	618	-	80	67	208	1	60	0.5	15	1	3/8	5/8	-	51	PROVIDE WITH WASHABLE FILTER, WALL MOUNTED THERMOSTAT.
FC-2	DAIKIN FCA18AAVJU	EMERGENCY SUPPLIES	4WAY CASSETTE	12,000	12,000	618	-	80	67	208	1	60	0.5	15	1	3/8	5/8	-	51	PROVIDE WITH WASHABLE FILTER, WALL MOUNTED THERMOSTAT.

AIR COOLED CONDENSING UNIT SCHEDULE

MARK	MAKE & MODEL	LOCATION	SERVED UNIT	TOTAL CAPACITY (BTUH)	AMBIENT AIR TEMP °F	REFRIGERANT TYPE	ELECTRICAL					ISOLATOR		UNIT WEIGHT (LBS)	REMARKS
							QTY	VOLTS	PH	MCA	MOCP	TYPE	DEFLECTION		
ACCU-1	RZA18AAVJU	OUTSIDE	FC-1	18,000	95.0	R32	1	208	1	19.8	20	NEOPRENE	0.25"	234	PROVIDE WITH DISCONNECT, NEOPRENE ISOLATORS, ALUMINUM PIGMENTED POLYURETHANE OR APPROVED EQUAL CORROSION INHIBITING COATING.
ACCU-2	RZA18AAVJU	OUTSIDE	FC-2	18,000	95.0	R32	1	208	1	19.8	20	NEOPRENE	0.25"	234	PROVIDE WITH DISCONNECT, NEOPRENE ISOLATORS, ALUMINUM PIGMENTED POLYURETHANE OR APPROVED EQUAL CORROSION INHIBITING COATING.

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

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SCALE:

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225057-01

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M-602

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ELECTRICAL SYMBOL LIST

RACEWAYS & CONDUCTORS

INSTALL PER NEC 210.4

RACEWAY AND CONDUCTORS - EXPOSED

RACEWAY AND CONDUCTORS - CONCEALED

RACEWAY AND CONDUCTORS - BELOW FLOOR OR GRADE

FLEXIBLE RACEWAY AND CONDUCTORS

HOMERUN TO PANEL AND CIRCUIT.
NUMBER OF ARROWS EQUALS NUMBER OF CIRCUITS.
#12 CONDUCTOR UNLESS OTHERWISE NOTED.

A-1

HOMERUN TO PANEL "A". CIRCUIT 1

POWER

PANELBOARD / EQUIPMENT

DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 3 WIRE,
+18" AFF OR AS NOTED

DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 3 WIRE,
MOUNTED 6" ABOVE COUNTER OR AS NOTED

DOUBLE DUPLEX RECEPTACLE, 20 AMP, 125 VOLT, 3 WIRE,
+18" AFF OR AS NOTED

HOSPITAL GRADE DUPLEX RECEPTACLE - NEMA 5-15R
(NEMA 5-20R FOR DEDICATED CIRCUIT)
TAMPER RESISTANT

HOSPITAL GRADE DOUBLE DUPLEX RECEPTACLE
TAMPER RESISTANT

DUPLEX RECEPTACLE, TAMPER RESISTANT

FLUSH FLOOR MOUNTED POWER RECEPTACLE,
20 AMP, 125 VOLT, 3 WIRE,
HUBBELL B2529 FLOOR BOX, S3925 BRASS COVER

NEMA OUTLET, RATING AS INDICATED,
+18" AFF OR AS NOTED

JUNCTION BOX

JUNCTION BOX, FLOOR MOUNTED

JUNCTION BOX, WALL MOUNTED

CLOCK RECEPTACLE

EQUIPMENT CONNECTION

MOTOR CONNECTION,
FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL

MAGNETIC STARTER,
FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL

DISCONNECT SWITCH,
FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL

S EQUIPMENT MOTOR SWITCH,
FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL

HANDHOLE

MANHOLE

TELECOM

DATA OUTLET, +18" A.F.F. PROVIDE RACEWAY AND CABLING. 1" CO TO ACCESSIBLE CEILING OR TO TELECOM BACKBOARD. CAT6 CABLE TO PATCH PANEL.

TELEPHONE OUTLET, +18" A.F.F. PROVIDE RACEWAY AND CABLING. 1" CO TO ACCESSIBLE CEILING OR TO TELECOM BACKBOARD. CAT6 CABLE TO PATCH PANEL.

2D COMBINATION TEL/DATA OUTLET, NUMBER OF DROPS AS INDICATED.
+18" A.F.F. PROVIDE RACEWAY AND CABLING. 1" CO TO ACCESSIBLE CEILING OR TO TELECOM BACKBOARD. CAT6 CABLE TO PATCH PANEL.

2D COMBINATION TEL/DATA OUTLET, NUMBER OF DROPS AS INDICATED.
MOUNT 6" ABOVE COUNTER. PROVIDE RACEWAY AND CABLING. 1" CO TO ACCESSIBLE CEILING OR TO TELECOM BACKBOARD. CAT6 CABLE TO PATCH PANEL.

MICROPHONE JACK, +18" A.F.F. PROVIDE RACEWAY AND CABLING. 1" CO TO ACCESSIBLE CEILING OR TO TELECOM BACKBOARD.

CATV VIDEO OUTLET, +18" AFF OR AS NOTED.
PROVIDE RACEWAY AND CABLING. 1" CO TO ACCESSIBLE CEILING OR TO TELECOM BACKBOARD

PoE WIRELESS ACCESS POINT

PoE WIRELESS ACCESS POINT, WEATHERPROOF

TELECOM BACKBOARD,
3/4" FIREPROOF PLYWOOD, 4' X 8' OR AS NOTED

CABLE TRAY - LADDER-TYPE
FURNISHED AND INSTALLED BY CONTRACTOR.

FLOOR MOUNTED SERVER RACK
FURNISHED AND INSTALLED BY CONTRACTOR.

WALL MOUNTED DATA RACK. 24 PORT PATCH PANEL
FURNISHED AND INSTALLED BY CONTRACTOR.

PATCH PANEL

NURSE CALL

NURSE CALL PATIENT INITIATING DEVICE

NURSE CALL ANNUNCIATOR STATION

MEDICAL EMERGENCY PUSHBUTTON STATION

B MEDICAL EMERGENCY CODE BLUE PUSHBUTTON STATION

EMERGENCY CALL STATION WITH PULL CORD

PATIENT BED STATION

STAFF STATION

DUTY STATION

AUDIO-VISUAL CONTROL ANNUNCIATOR

VISUAL CONTROL ANNUNCIATOR

DOME LIGHT, CEILING MOUNTED

Z ZONE LIGHT

DOME LIGHT, WALL MOUNTED

FIRE ALARM

SMOKE DETECTOR

STROBE, CEILING MOUNTED

SPEAKER STROBE, CEILING MOUNTED

SPEAKER STROBE, WALL MOUNTED

PULL STATION, WALL MOUNTED

LIGHTING

DEVICES:

LIGHT SWITCH, SINGLE POLE, +46" A.F.F.

3 LIGHT SWITCH, THREE WAY, +46" A.F.F.

LIGHT SWITCH, DIMMING, +46" A.F.F.

F LIGHT SWITCH, FAN, +46" A.F.F.

K LIGHT SWITCH, KEY OPERATED, +46" A.F.F.

OCCUPANCY SENSOR, WALL MOUNTED

DT OCCUPANCY SENSOR, WALL MOUNTED, DUAL TECHNOLOGY

I OCCUPANCY SENSOR, WALL MOUNTED, INFRARED

U OCCUPANCY SENSOR, WALL MOUNTED, ULTRASONIC

OCCUPANCY SENSOR, CEILING MOUNTED

PC PHOTOCELL

PC D PHOTOCELL, DIMMING

LUMINAIRES:

RECESSED DOWNLIGHT

RECESSED WALL WASHER

TROFFER, SIZE AS INDICATED
SHADING INDICATES INTEGRAL EMERGENCY BATTERY

PENDANT

STRIP LIGHT FIXTURE

SCONCE

CEILING FAN

TRACK & TRACK HEADS

EXIT LUMINAIRE
SHADING INDICATES FACES, ARROW(S) INDICATE DIRECTION

EXTERIOR POLE LUMINAIRE

BOLLARD

LANDSCAPE ACCENT LIGHT

LOW VOLTAGE LED TAPE

SECURITY

KP CARD READER

IC INTERCOM WITH DOORBELL

PUSH BUTTON

SECURITY CAMERA - BULLET. PROVIDE CAT6 CABLE FROM
CAMERA TO PATCH PANEL.

SECURITY CAMERA - DOME. PROVIDE CAT6 CABLE FROM
CAMERA TO PATCH PANEL.

SYMBOL

1 SIM / A101 VIEW REFERENCE

NORTH ARROW

℄ CENTERLINE

1 NOTE REFERENCE

1 KEYNOTE REFERENCE

ABC LUMINAIRE DESIGNATION,
REFER TO LUMINAIRE SCHEDULE

ABBREVIATIONS

AF	ARC FAULT BREAKER
C	CONDUIT
CLF	CURRENT LIMITING FUSE
CP	COPIER
DP	DISPOSAL
DW	DISHWASHER
EL	EVENING LIGHT, TIMESWITCH CONTROLLED
EWC	ELECTRONIC WATER COOLER
GFI	GROUND FAULT CIRCUIT INTERRUPTER
HA	HACR BREAKER
HECO	HAWAIIAN ELECTRIC COMPANY
HELCO	HAWAI'I ELECTRIC LIGHT COMPANY (BIG ISLAND)
IG	INSULATED GROUND CIRCUIT(S)
KIUC	KAUA'I ISLAND UTILITY COOPERATIVE
L	LIGHT(S)
LC	LIGHTING CONTACTOR
LB	LOCKABLE BREAKER
MDP	MAIN DISTRIBUTION PANEL
MECO	MAUI ELECTRIC COMPANY
MW	MICROWAVE
NL	NIGHT LIGHT, TIMESWITCH CONTROLLED
PFB	PROVISIONS FOR BREAKER
R	RECEPTACLE(S)
REF	REFRIGERATOR
S	SPARE BREAKER
TR	TAMPER RESISTANT
WP	WEATHERPROOF
4X	NEMA 4X STAINLESS STEEL

SHEET INDEX

SHEET NUMBER	SHEET NAME
E-001	ABBREVIATIONS, SYMBOLS LEGEND, AND SHEET INDEX
E-002	ELECTRICAL NOTES
E-003	FIRE ALARM ALTERATION NOTES
E-100	SITE PLAN
ED101	OVERALL DEMOLITION PLAN
ED102	ENLARGED DEMOLITION STAGE A PLAN
ED103	ENLARGED DEMOLITION STAGE B PLAN
ED104	ENLARGED DEMOLITION STAGE C PLAN
E-101	OVERALL POWER PLAN
E-102	OVERALL TELECOM PLAN
E-103	OVERALL NURSE CALL SYSTEMS PLAN
E-104	OVERALL FIRE ALARM PLAN
E-105	OVERALL ROOF PLAN
E-111	ENLARGED STAGE A PLAN
E-114	ENLARGED STAGE A PLAN - FIRE
E-112	ENLARGED STAGE B PLAN
E-115	ENLARGED STAGE B PLAN - FIRE
E-113	ENLARGED STAGE C PLAN
E-116	ENLARGED STAGE C PLAN - FIRE
E-211	OVERALL LIGHTING PLAN
E-212	ENLARGED LIGHTING PLAN - STAGE A
E-213	ENLARGED LIGHTING PLAN - STAGE B
E-214	ENLARGED LIGHTING PLAN - STAGE C
E-601	ONE LINE DIAGRAM
E-801	LUMINAIRE SCHEDULE
E-802	MECHANICAL EQUIPMENT CONNECTION SCHEDULE

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1. GENERAL REQUIREMENTS

A. THE CONTRACTOR MUST EXAMINE THE DRAWINGS AND SPECIFICATIONS FOR ALL PARTS OF THE WORK. IF ANY DISCREPANCIES EXIST BETWEEN THE PLANS FOR HIS WORK AND THE PLANS FOR WORK OF OTHERS, HE MUST REPORT SUCH DISCREPANCIES TO THE ARCHITECT AND MUST OBTAIN WRITTEN INSTRUCTIONS. ANY CHANGES IN THE WORK COVERED BY THIS SPECIFICATION MADE NECESSARY THROUGH NEGLECT OR FAILURE OF THE CONTRACTOR TO REPORT SUCH DISCREPANCIES MUST BE MADE BY AND AT THE EXPENSE OF THE CONTRACTOR.

B. THE SPECIFICATIONS AND DRAWINGS ARE INTENDED TO COVER A COMPLETE INSTALLATION OF SYSTEMS. EVERYTHING THAT IS SPECIFIED, SCHEDULED OR MENTIONED BY ONE MUST BE BINDING AS IF CALLED BY BOTH.

C. DEFINITIONS:

1) "PROVIDE" MEANS "FURNISH AND INSTALL".

2) "WIRING" MEANS "PROVIDE ALL DEVICES, RACEWAYS, CONDUCTORS, CABLES, PROTECTIVE EQUIPMENT, ETC., FOR COMPLETE ELECTRIC CIRCUIT OR SYSTEM.

D. SCOPE OF WORK:

1) THE ELECTRICAL CONTRACTOR MUST PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO EXECUTE WORK AND MUST OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS AND ASSOCIATED FEES.

2) THE ELECTRICAL CONTRACTOR MUST FURNISH TO THE ARCHITECT, AT THE COMPLETION OF THE PROJECT A FINAL INSPECTION CERTIFICATE FROM THE LOCAL INSPECTION AUTHORITY.

3) WORK MUST INCLUDE BUT MUST NOT BE LIMITED TO:

A) ELECTRICAL DISTRIBUTION SYSTEM

B) POWER WIRING

C) LIGHTING FIXTURES INCLUDING LAMPS AS SPECIFIED

D) FIRE ALARM SYSTEM AS SPECIFIED

E) FINAL CONNECTIONS TO ALL EQUIPMENT

E. WORK BY OTHERS:

1) PRIOR TO COMMENCING, COORDINATE TIME SCHEDULING, PATCHING, INSTALLATION, HOOK-UPS, AND MISCELLANEOUS PROCEDURES WITH ANY AND ALL OTHER CONTRACTORS THAT WILL BE INVOLVED TO EXPEDITE THE COMPLETION OF THE CONTRACT.

2) ELECTRICAL CONTRACTOR MUST NOTIFY OTHER TRADES AND SUPPLIERS OF PROJECT VOLTAGES

F. RECORD DRAWINGS:

THE CONTRACTOR MUST MAINTAIN AN ACCURATE AND ADEQUATE RECORD OF EACH CHANGE IT OCCURS, REGARDLESS OF HOW ORDERED. AT NO ADDITIONAL CHARGE TO THE OWNER, AFTER FINAL INSPECTION, PREPARE A REPRODUCIBLE COPY OF "AS-BUILT" ELECTRICAL DRAWINGS FROM SITE COPY AND TURN OVER TO ARCHITECT/OWNER.

G. REGULATIONS AND CODES:

THE ENTIRE ELECTRICAL INSTALLATION MUST COMPLY WITH THE N.E.C., IEEE, CSA AND THE RULES, REGULATIONS AND/OR ORDINANCES OF THE GOVERNING AUTHORITY MUST BE MADE BY THE ELECTRICAL CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER.

2. PRODUCTS

A. MATERIALS MUST BE U.L. APPROVED UNLESS OTHERWISE REQUIRED AND MUST CONFORM TO APPLICABLE N.E.M.A. AND N.E.C. STANDARDS.

B. RACEWAYS MUST BE ELECTRICAL METALLIC TUBING OR AS NOTED. MANUFACTURED AND INSTALLED ACCORDING TO N.E.C. ARTICLE 348, UNLESS OTHERWISE NOTED. ALL EMPTY RACEWAYS MUST HAVE A PULL-WIRE.

C. CONDUCTORS MUST BE 600V, #12 MINIMUM SIZE. CONDUCTORS #8 AND LARGER MUST BE STRANDED. INSULATION MUST BE TYPE THWN, OR AS NOTED AND MUST CONFORM WITH N.E.C. FOR THE PARTICULAR APPLICATION. ALL CONDUCTORS MUST BE COPPER. MANUFACTURED AND INSTALLED ACCORDING TO N.E.C. ARTICLE 300 AND 310.

D. REQUIRED BENDS, FITTINGS, JUNCTION BOXES, ETC., WHETHER OR NOT THEY ARE SHOWN ON DRAWINGS MUST BE INSTALLED TO SATISFY ALL CODES AND STANDARDS OF GOOD PRACTICE.

E. OUTLET BOXES MUST BE STANDARD, STAMPED GALVANIZED STEEL BOXES OR AS NOTED ON DRAWINGS. 4" SQUARE BY 1 & 1/2" DEEP MINIMUM. SECURE IN PLACE: PROVIDE "FAR-SIDE" SUPPORTS WHERE NECESSARY. JUNCTION BOXES AND OUTLET BOXES USED AS A PULL BOX MUST BE PROVIDED WITH A SUITABLE COVER OF SAME MATERIAL AS BOX. WEATHERPROOF EXPOSED BOXES MUST BE GALVANIZED CAST IRON OR ALLOYED ALUMINUM WITH THREADED HUBS FOR CONDUIT CONNECTIONS. MANUFACTURED AND INSTALLED ACCORDING TO N.E.C. ARTICLE 310. JUNCTION BOX COVERS MUST BE MARKED WITH PERMANENT MARKER INDICATING PANEL, CIRCUIT AND COLOR OF CONDUCTORS.

F. PANELBOARDS: CIRCUIT BREAKER TYPE, RATING AS NOTED.

1) BUSS BARS: HARD DRAWN COPPER, MINIMUM 98 PERCENT CONDUCTIVITY, SILVER PLATED JOINTS. OPTION FOR ALLOY ALUMINUM WITH TENSILE YIELD STRENGTH OF 20,000 PSI, MINIMUM 55 PERCENT CONDUCTIVITY, TIN PLATED JOINTS.

2) ENCLOSURES: CABINETS WITH GALVANIZED SHEET STEEL BACK BOX, TRIM AND HINGED DOOR WITH CHROME PLATED FLUSH LOCK AND CATCH FOR DOORS UP TO 48 INCH HIGH, VAULT HANDLE, LOCK AND 3-POINT CATCH FOR DOORS LARGER THAN 48 INCH HIGH. PROVIDE METAL FRAME DIRECTORY HOLDER WITH CLEAR PLASTIC COVER.

G. EACH CIRCUIT BREAKER MUST BE OF THE THERMAL MAGNETIC OR EQUIVALENT TYPE, SUITABLE FOR USE ON ALTERNATING CURRENT CIRCUIT. AUTOMATIC TRIPPING MUST BE INDICATED BY THE BREAKER HANDLE ASSUMING A CLEARLY DISTINCTIVE POSITION FROM THE MANUAL "ON" AND "OFF". MANUFACTURED AND INSTALLED ACCORDING TO N.E.C. ARTICLE 240.

H. WIRING DEVICES MUST BE COMMERCIAL SPECIFICATION GRADE, EAGLE, LEVITON OR HUBBELL.

I. SWITCHES MUST BE FLUSH TOGGLE AC QUIET TYPE, 120/277 VOLT, 20 AMP., OR AS REQUIRED, COLOR AS SELECTED BY ARCHITECT. EAGLE 1200 SERIES, LEVITON 1200 SERIES, PASS & SEYMOUR 20AC SERIES OR HUBBELL 1200 SERIES.

J. RECEPTACLES MUST BE FLUSH 3-WIRE GROUNDING TYPE, 125 VOLT, 20 AMP, IVORY COLOR OR AS SELECTED BY ARCHITECT (CONTRACTOR TO COORDINATE PRIOR COLOR OR AS SELECTED BY ARCHITECT (CONTRACTOR TO COORDINATE PRIOR SUBMITTAL PROCESS). EAGLE 5362 SERIES, LEVITON 5362 SERIES, PASS & SEYMOUR 5362 SERIES OR HUBBELL 5362 SERIES.

K. GROUND FAULT INTERRUPT RECEPTACLES MUST BE 125 VOLT, 20 AMP, COLOR AS SELECTED BY ARCHITECT. PASS & SEYMOUR 1591-I OR EQUAL.

L. ALL DEVICE PLATES MUST BE SMOOTH PLASTIC, COLOR AS SELECTED BY ARCHITECT.

M. HARDWARE, SUPPORT, BACKING ETC., MUST BE PROVIDED WHERE NECESSARY TO INSTALL ELECTRICAL EQUIPMENT. WOOD MATERIALS MUST BE TERMITE TREATED AND FIRE PROOFED, IRON OR STEEL MATERIALS MUST BE GALVANIZED FOR CORROSION PROTECTION, NON-FERROUS MATERIALS MUST BE BRASS OR BRONZE. ALL WOOD SCREWS MUST BE BRASS OR GALVANIZED STEEL.

N. WHEN SHOWN ON THE DRAWINGS. FIRE ALARM SYSTEM COMPONENTS MUST BE LISTED, LABELED, OR APPROVED FOR THEIR APPLICATION AS FIRE ALARM EQUIPMENT COMPLYING WITH REQUIREMENTS OF NFPA 72A, 72B, 72C, 723 AND UL. ALL COMPONENTS OF THE SYSTEM MUST BE THE STANDARD PRODUCTS OF ONE MANUFACTURER AND MUST DISPLAY THE MANUFACTURER'S NAME ON EACH COMPONENT. THE EQUIPMENT MUST BE EQUAL IN EVERY WAY TO THAT MANUFACTURED BY THE SIMPLEX TIME RECORDER COMPANY. EQUIPMENT DESCRIPTIONS ARE INTENDED TO INDICATE THE TYPE AND QUALITY OF DESIGN AND MATERIAL AS WELL AS OPERATING FEATURES DESIRED.

3. EXECUTION

A. SAFETY PRECAUTIONS MUST BE TAKEN AT ALL TIMES TO PROTECT PERSONS, PROPERTY AND EQUIPMENT.

B. RELOCATION OF ANY DEVICE WITHIN 10 FEET OF ITS INDICATED LOCATION BEFORE INSTALLATION MUST BE DONE WITHOUT ADDITIONAL COST TO THE OWNER.

C. EQUIPMENT AND FIXTURES MUST BE PROPERLY CONNECTED WITH ADEQUATE POWER AND CHECKED THOROUGHLY FOR PROPER OPERATION.

D. EXPOSED EQUIPMENT MUST BE INSTALLED AS PER DRAWINGS AND IS SUBJECT TO ARCHITECTURAL INSPECTION FOR AESTHETIC APPEARANCE.

E. PROJECT GROUNDING SYSTEM MUST BE INSTALLED AS REQUIRED BY N.E.C. ARTICLE 250.

F. CONTRACTOR MUST DO ALL CUTTING AND PATCHING OF HIS WORK WHICH MAY BE REQUIRED TO RECEIVE THE WORK OF OTHER CONTRACTORS.

G. TEST PRIOR TO ENERGIZING FOR THE FIRST TIME, ALL PIECES OF ELECTRICAL EQUIPMENT TO ASSURE THEM TO HAVE PROPER PHASE-TO-PHASE AND PHASE-TO-GROUND INSTALLATION AND TO BE FREE OF GROUNDS AND SHORTS.

H. THE ENTIRE SITE MUST BE CLEANED OF MATERIALS, DEBRIS, TOOLS, AND EQUIPMENT RELATED TO THIS WORK DAILY. ALL ITEMS OF ELECTRICAL EQUIPMENT ON JOB SITE MUST BE KEPT PROTECTED AND COVERED AT ALL TIMES.

I. WARRANTY:

1) INSTALLATION MUST BE COMPLETE IN EVERY DETAIL AND READY TO USE.

2) UNLESS OTHERWISE STATED, THE WARRANTY STARTS ON THE DATE WRITTEN NOTICE FROM THE CONTRACTOR IS GIVEN AND IS ACCEPTED BY THE OWNER STATING THE PROJECT IS COMPLETE AND ALL REQUIRED CORRECTIONS HAVE BEEN MADE. THE WARRANTY MUST CERTIFY THAT ALL DEFECTS IN MATERIAL OR WORKMANSHIP MUST BE PROMPTLY REPAIRED OR REPLACED BY THE CONTRACTOR, TO THE SATISFACTION OF THE OWNER, FOR A PERIOD OF ONE (1) YEAR.

DEMOLITION NOTES:

1. THE DEMOLITION DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF WORK AND DO NOT NECESSARILY SHOW EVERY DEVICE, BOX, CONDUIT, ETC. TO BE REMOVED. THE CONTRACTOR MUST FIELD VERIFY OTHER ELECTRICAL SERVICES THAT MAY BE ENCOUNTERED DURING DEMOLITION AND MUST REMOVE OR REROUTE THESE ITEMS AS DIRECTED.
2. THE CONTRACTOR MUST VERIFY PRIOR TO BEGINNING WORK THAT EXISTING LIGHT FIXTURES, CONTROL SWITCHES, RECEPTACLE OUTLETS, SMOKE DETECTORS, AND FIRE ALARMS TO REMAIN ARE IN PROPER WORKING ORDER. ANY ELECTRICAL DEVICES FOUND TO BE IN A NON-WORKING CONDITION MUST BE REPLACED OR REPAIRED AS NECESSARY.
3. REMOVE ALL UNUSED WIRING FROM DEMOLITION AREA, BACK TO PANEL OR NEXT DEVICE OUTSIDE PROJECT LIMITS, INCLUDING WIRING DISCONNECTED UNDER THIS CONTRACT AND WIRING UNCOVERED BY DEMOLITION.
4. REMOVE ALL UNUSED RACEWAY FROM DEMOLITION AREA NOT CONCEALED IN CONCRETE OR PLASTER, INCLUDING RACEWAY DISCONNECTED UNDER THIS CONTRACT AND RACEWAY UNCOVERED BY DEMOLITION.
5. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED FOR FIXTURES AND DEVICES INDICATED TO REMAIN, INCLUDING THOSE OUTSIDE OF PROJECT LIMITS. COORDINATE WITH NEW WORK AND RE-ROUTE CONDUIT AND WIRE AS REQUIRED TO AVOID CONFLICT WITH NEW WORK.
6. ALL REMAINING JUNCTION AND PULL BOXES MUST BE ACCESSIBLE AS PER NATIONAL ELECTRICAL CODE (N.E.C.). THE CONTRACTOR MUST MOVE EXISTING BOXES, ETC. AS REQUIRED BY NEW CONSTRUCTION.
7. ALL MATERIALS REMOVED REMAIN THE PROPERTY OF THE OWNER IF THE OWNER CHOOSES TO DISCARD THESE MATERIALS THEN THE CONTRACTOR MUST DISPOSE OF THEM AS DIRECTED.

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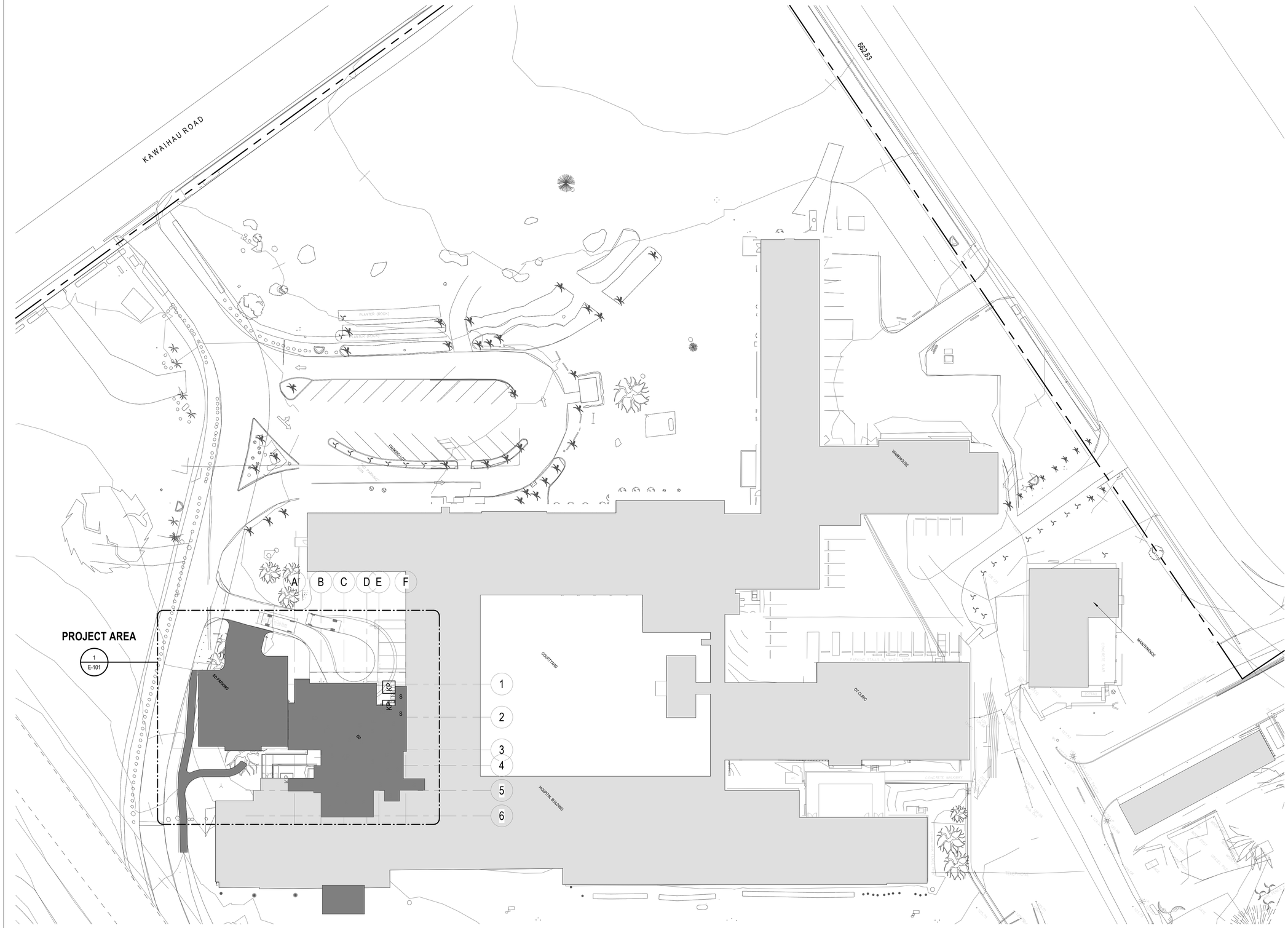
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156.53 1 OVERALL SITE PLAN

1" = 30'-0"

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SITE PLAN

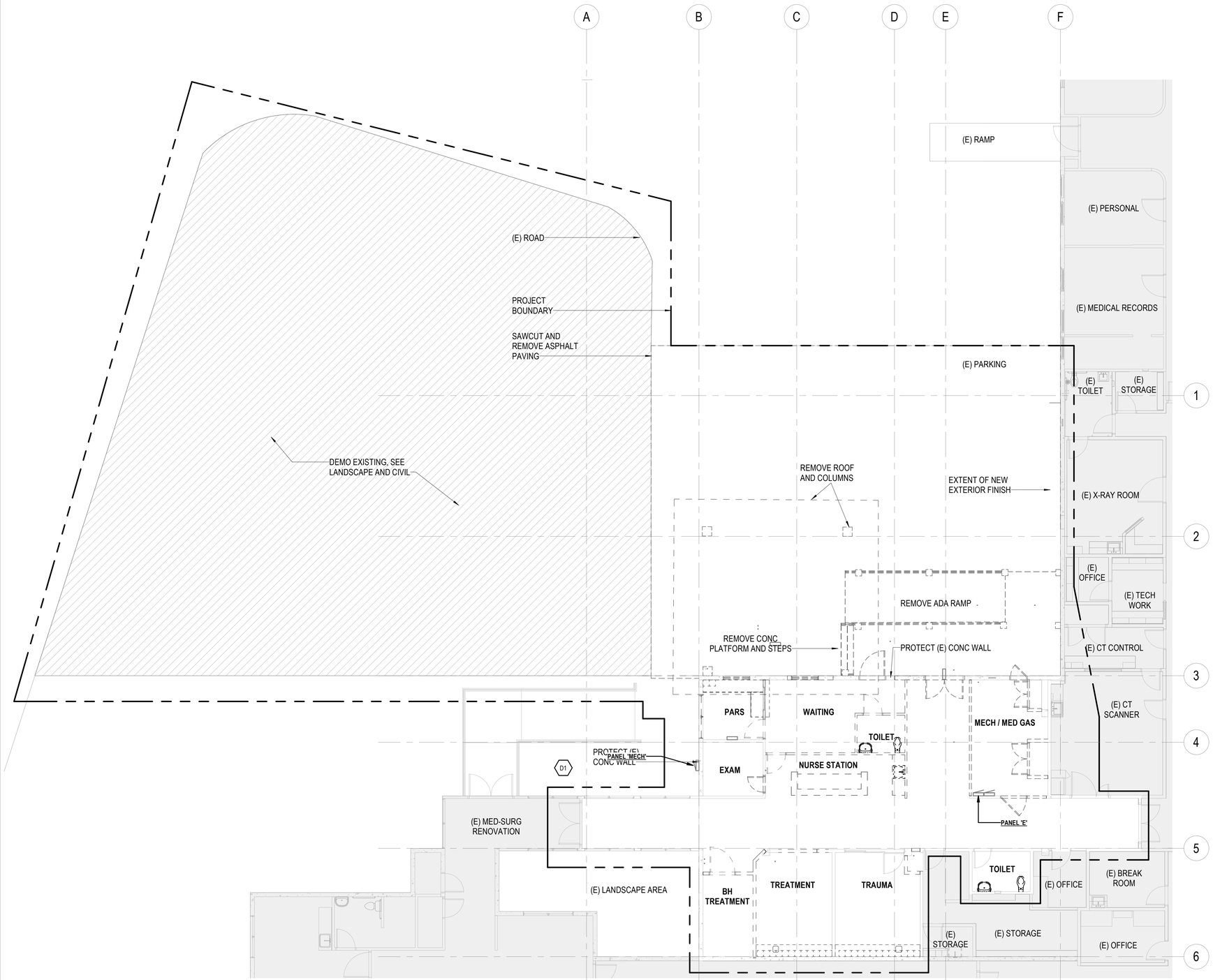
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1 OVERALL DEMOLITION PLAN
1/8" = 1'-0"

KEYNOTE LEGEND	
Key Value	Keynote Text
D1	DEMOLISH ALL EXISTING EQUIPMENT, DEVICES, AND FIXTURES COMPLETELY BACK TO SOURCE UNLESS OTHERWISE NOTED.

DEMOLITION NOTES:

1. THE DEMOLITION DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF WORK AND DO NOT SHOW EVERY DEVICE, BOX, CONDUIT, ETC. TO BE REMOVED.
2. DEVICES AND EQUIPMENT SHOWN IN FADED PRINT REPRESENT EXISTING ITEMS TO REMAIN. ITEMS SHOWN IN DASHED PRINT REPRESENT EXISTING ITEMS TO BE DEMOLISHED BY THE CONTRACTOR.
3. UNLESS OTHERWISE NOTED DEMOLITION SHALL INCLUDE THE COMPLETE REMOVAL OF THE DEVICE OR EQUIPMENT, ALL ASSOCIATED CONDUIT, CONDUCTORS, AND CONTROL DEVICES COMPLETELY BACK TO THE SOURCE.
4. THE CONTRACTOR SHALL VERIFY PRIOR TO BEGINNING WORK THAT EXISTING DEVICES OR EQUIPMENT SLATED TO REMAIN ARE IN PROPER WORKING ORDER. NOTIFY CONTRACTING OFFICER IF ANY ELECTRICAL DEVICES ARE FOUND TO BE IN A NON-WORKING CONDITION.
5. THE OWNER SHALL HAVE THE FIRST RIGHT OF REFUSAL FOR ALL ITEMS SLATED FOR DEMOLITION. THE CONTRACTOR SHALL DISCONNECT, REMOVE, STORE AND PROTECT FROM DAMAGE ALL EQUIPMENT INTENDED TO BE RETAINED. THE CONTRACTOR SHALL ACCEPT OWNERSHIP OF ALL EQUIPMENT THAT IS NOT RETAINED AND SHALL BE RESPONSIBLE FOR REMOVAL FROM THE SITE.
6. THE DRAWINGS ARE BASED ON LIMITED OBSERVABLE FIELD CONDITIONS AND RECORD DRAWINGS. DRAWINGS MAY NOT REFLECT ALL EXISTING CONDITIONS ACCURATELY OR THAT ARE CONCEALED. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION. NOTIFY THE CONTRACTING OFFICER OF ANY DISCREPANCY.
7. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED FOR DEVICES AND EQUIPMENT INDICATED TO REMAIN, INCLUDING THOSE OUTSIDE OF THE PROJECT LIMITS.

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REVISIONS

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

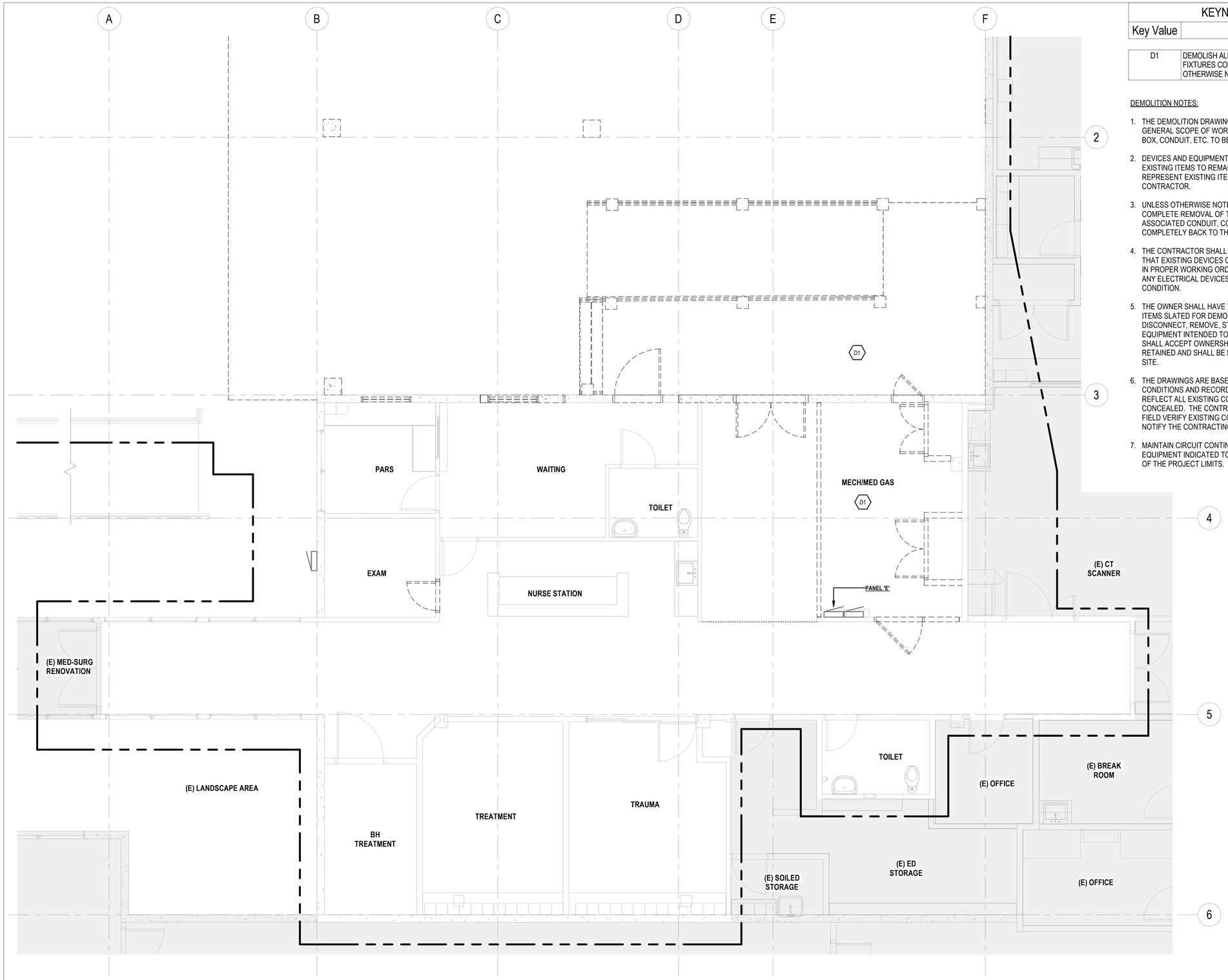
FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE
OVERALL DEMOLITION PLAN

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

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO.	DRAWING NO.
225057-01	ED101
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:53:54 PM



1 ENLARGED DEMOLITION STAGE A PLAN
1/4" = 1'-0"

4' 2' 0' 4' 8'

KEYNOTE LEGEND	
Key Value	Keynote Text
D1	DEMOLISH ALL EXISTING EQUIPMENT, DEVICES, AND FIXTURES COMPLETELY BACK TO SOURCE UNLESS OTHERWISE NOTED.

DEMOLITION NOTES:

1. THE DEMOLITION DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF WORK AND DO NOT SHOW EVERY DEVICE, BOX, CONDUIT, ETC. TO BE REMOVED.
2. DEVICES AND EQUIPMENT SHOWN IN FADED PRINT REPRESENT EXISTING ITEMS TO REMAIN. ITEMS SHOWN IN DASHED PRINT REPRESENT EXISTING ITEMS TO BE DEMOLISHED BY THE CONTRACTOR.
3. UNLESS OTHERWISE NOTED DEMOLITION SHALL INCLUDE THE COMPLETE REMOVAL OF THE DEVICE OR EQUIPMENT, ALL ASSOCIATED CONDUIT, CONDUCTORS, AND CONTROL DEVICES COMPLETELY BACK TO THE SOURCE.
4. THE CONTRACTOR SHALL VERIFY PRIOR TO BEGINNING WORK THAT EXISTING DEVICES OR EQUIPMENT SLATED TO REMAIN ARE IN PROPER WORKING ORDER. NOTIFY CONTRACTING OFFICER IF ANY ELECTRICAL DEVICES ARE FOUND TO BE IN A NON-WORKING CONDITION.
5. THE OWNER SHALL HAVE THE FIRST RIGHT OF REFUSAL FOR ALL ITEMS SLATED FOR DEMOLITION. THE CONTRACTOR SHALL DISCONNECT, REMOVE, STORE AND PROTECT FROM DAMAGE ALL EQUIPMENT INTENDED TO BE RETAINED. THE CONTRACTOR SHALL ACCEPT OWNERSHIP OF ALL EQUIPMENT THAT IS NOT RETAINED AND SHALL BE RESPONSIBLE FOR REMOVAL FROM THE SITE.
6. THE DRAWINGS ARE BASED ON LIMITED OBSERVABLE FIELD CONDITIONS AND RECORD DRAWINGS. DRAWINGS MAY NOT REFLECT ALL EXISTING CONDITIONS ACCURATELY OR THAT ARE CONCEALED. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION. NOTIFY THE CONTRACTING OFFICER OF ANY DISCREPANCY.
7. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED FOR DEVICES AND EQUIPMENT INDICATED TO REMAIN, INCLUDING THOSE OUTSIDE OF THE PROJECT LIMITS.

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SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

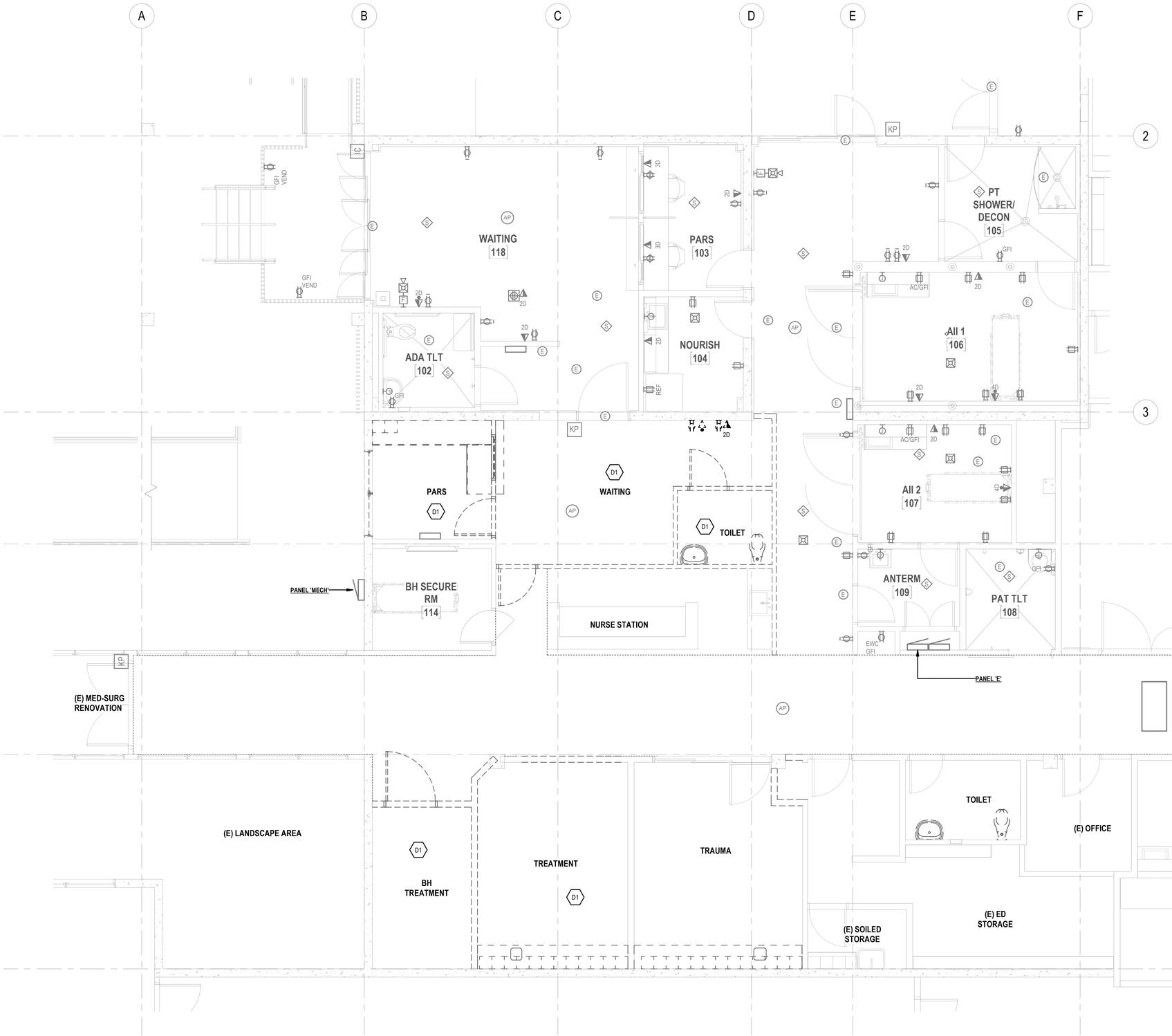
FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE
ENLARGED DEMOLITION STAGE A PLAN

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

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO.	DRAWING NO.
225057-01	ED102
SHEET ISSUE DATE: 02/04/2026	

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1 ENLARGED DEMOLITION STAGE B PLAN

1/4" = 1'-0"

4' 2' 0' 4' 8'

KEYNOTE LEGEND	
Key Value	Keynote Text
D1	DEMOLISH ALL EXISTING EQUIPMENT, DEVICES, AND FIXTURES COMPLETELY BACK TO SOURCE UNLESS OTHERWISE NOTED.

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

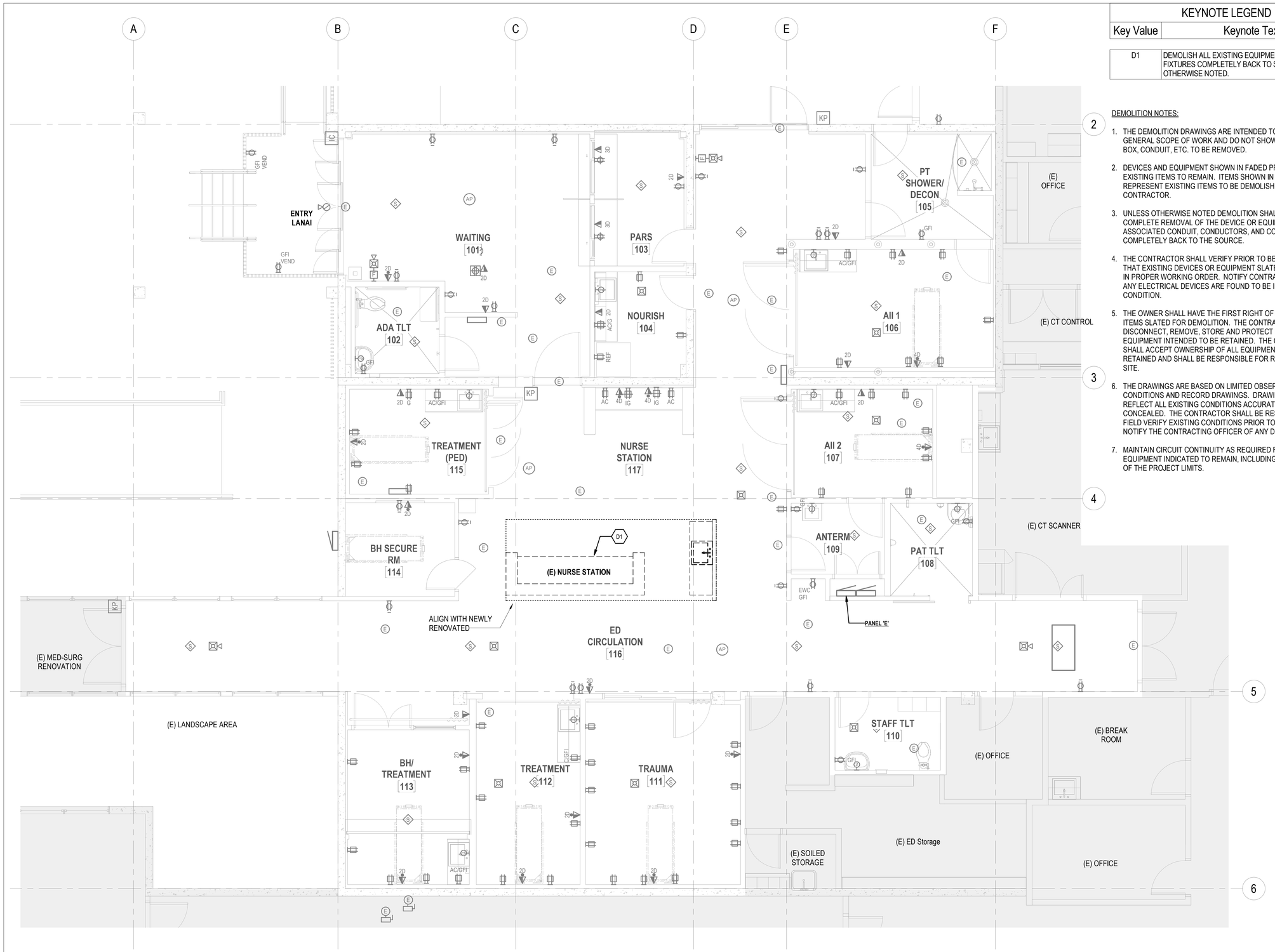
DRAWING TITLE
ENLARGED DEMOLITION STAGE B PLAN

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

DRAWN BY:	CHECKED BY:
HM	CB

PROJECT NO.	DRAWING NO.
225057-01	ED103
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:53:56 PM



KEYNOTE LEGEND

Key Value	Keynote Text
D1	DEMOLISH ALL EXISTING EQUIPMENT, DEVICES, AND FIXTURES COMPLETELY BACK TO SOURCE UNLESS OTHERWISE NOTED.

DEMOLITION NOTES:

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7. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED FOR DEVICES AND EQUIPMENT INDICATED TO REMAIN, INCLUDING THOSE OUTSIDE OF THE PROJECT LIMITS.

1 ENLARGED DEMOLITION STAGE C PLAN
1/4" = 1'-0"

4' 2' 0' 4' 8'

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE
ENLARGED DEMOLITION STAGE C PLAN

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

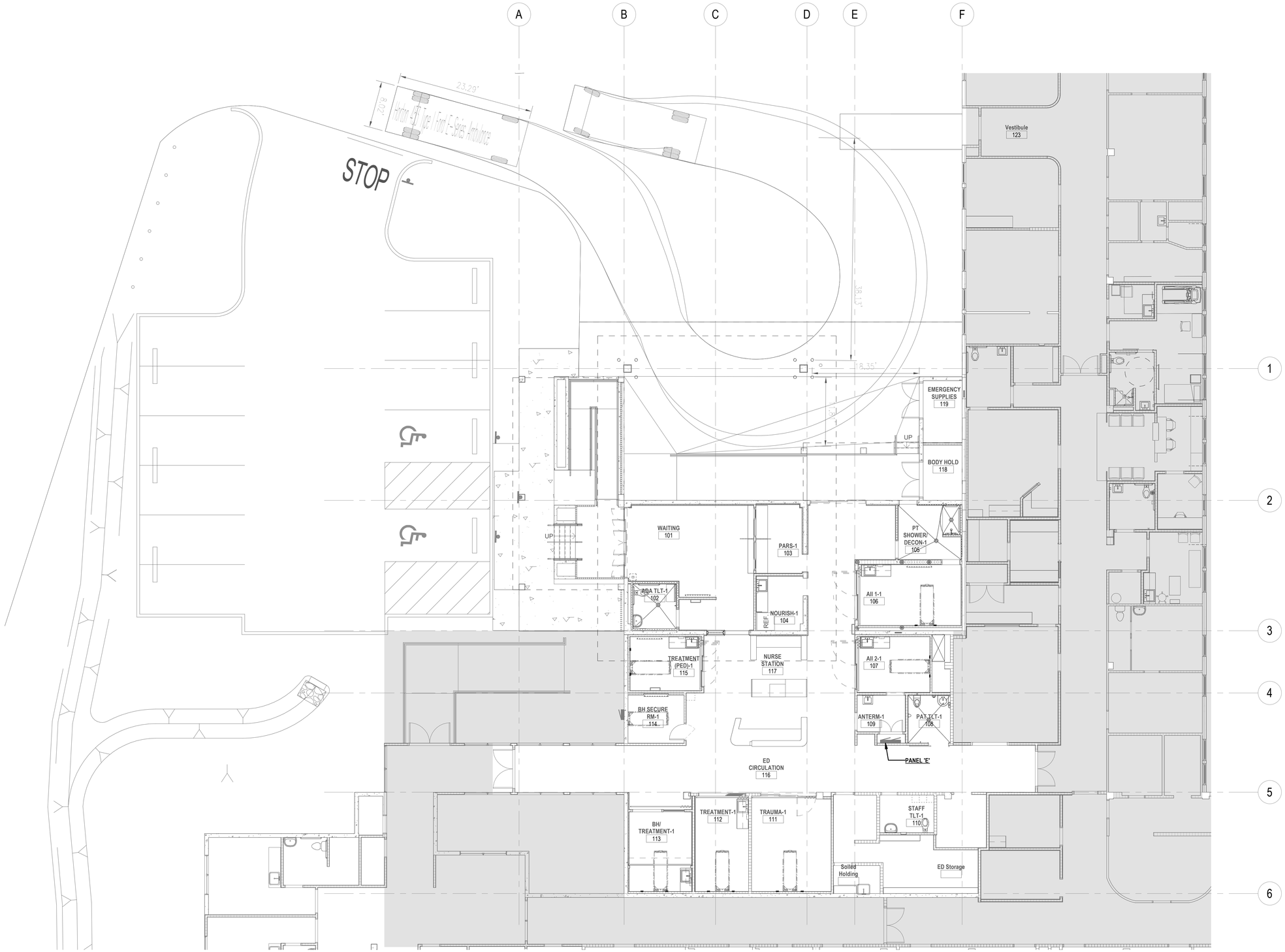
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HM	CB

PROJECT NO.	DRAWING NO.
225057-01	ED104
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:53:57 PM

GENERAL NOTE:

1. PROVIDE TAMPER RESISTANT RECEPTACLES IN ALL PUBLIC AREAS.



1 OVERALL POWER FLOOR PLAN

1/8" = 1'-0"

8" 4" 0' 8" 16"

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TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE

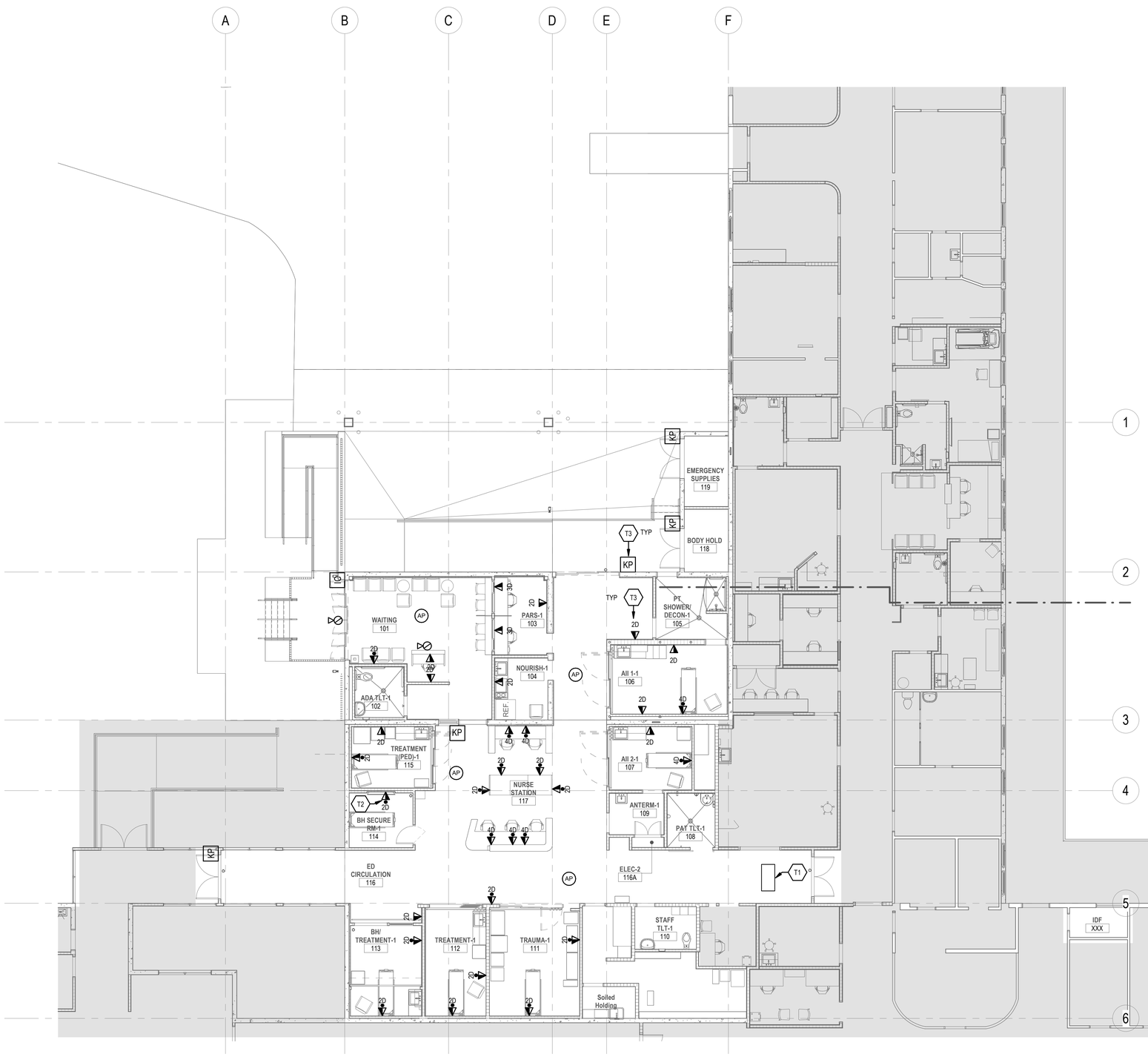
OVERALL POWER PLAN

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

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO.	DRAWING NO.
225057-01	E-101
SHEET ISSUE DATE:	
02/04/2026	

2/27/2026 5:54:02 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
T1	PATCH PANEL ENCLOSURE IN CEILING. RUN FIBER TO ENCLOSURE FROM NEAREST IDF.
T2	RECESSED TV BOX.
T3	CONNECT TO EXISTING BUILDING SYSTEM. FIELD VERIFY.



1 OVERALL TELECOM FLOOR PLAN

1/8" = 1'-0"

8" 4" 0' 8" 16"

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE

OVERALL TELECOM PLAN

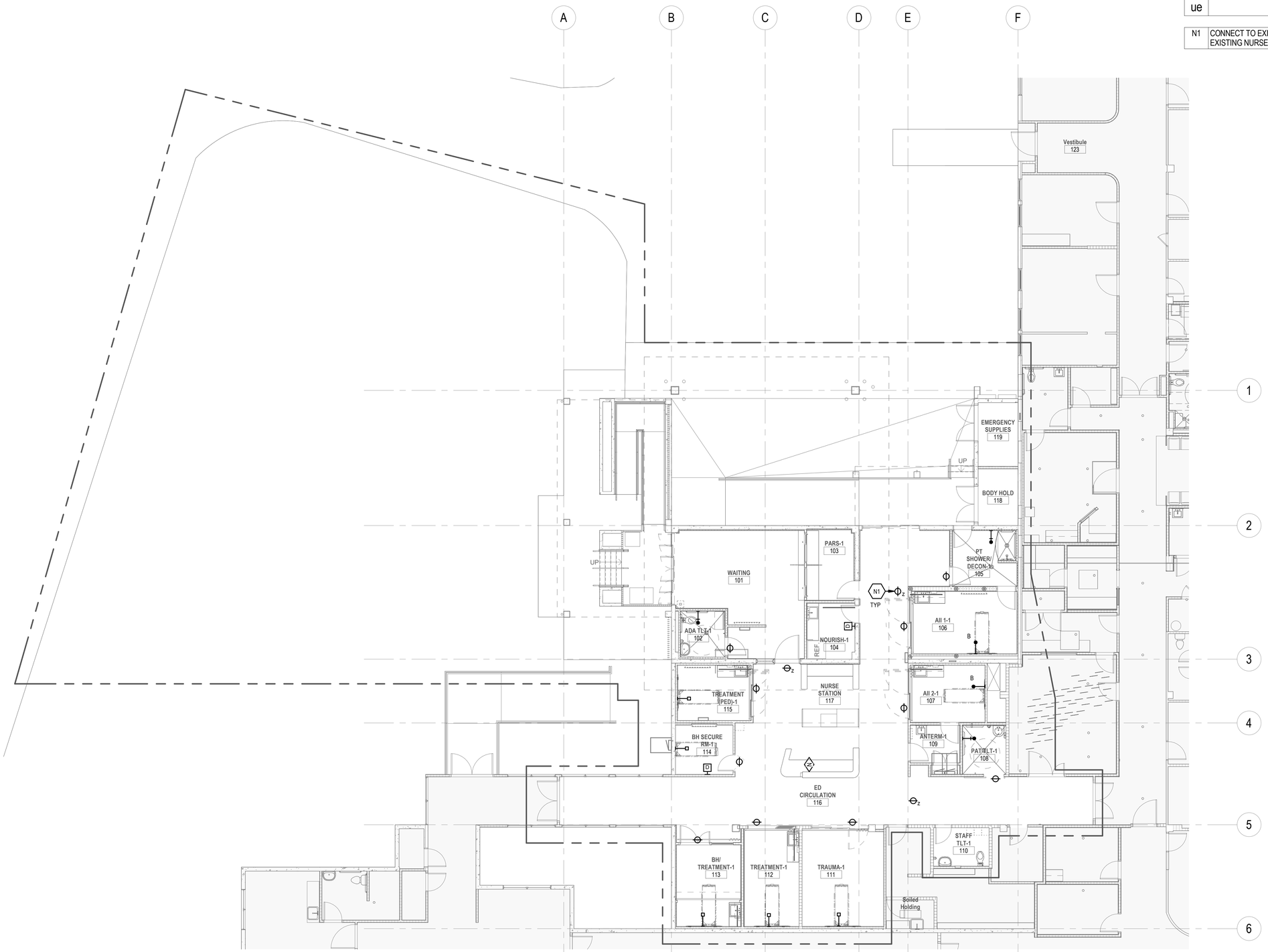
SCALE: 1/8" = 1'-0"

DRAWN BY:	CHECKED BY:
HM	CB

PROJECT NO.	DRAWING NO.
225057-01	E-102
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:54:04 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
N1	CONNECT TO EXISTING SYSTEM. FIELD VERIFY EXISTING NURSE CALL CONTROL PANEL.



1 OVERALL NURSE CALL SYSTEMS PLAN

1/8" = 1'-0"

8" 4" 0' 8" 16"

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TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE

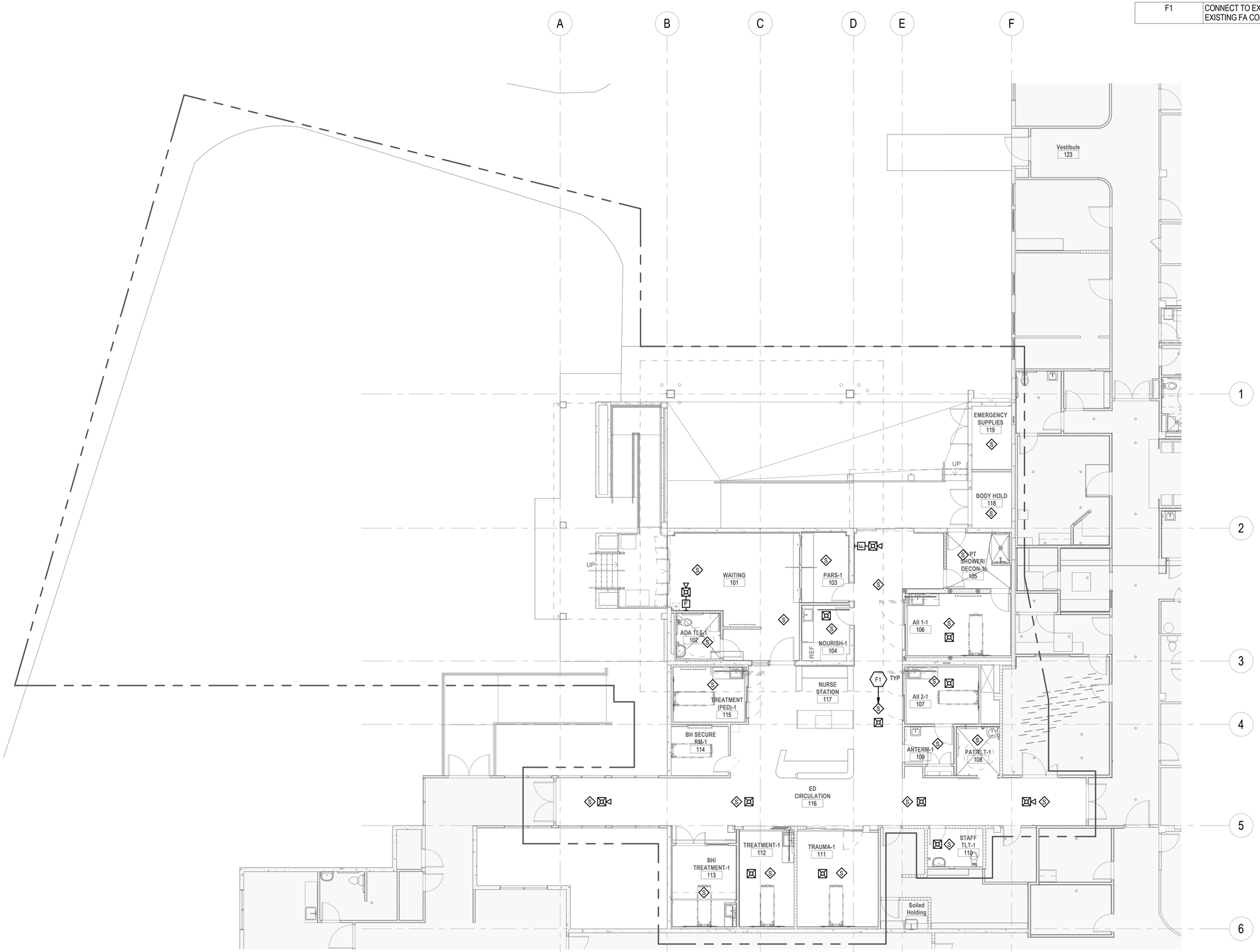
OVERALL NURSE CALL SYSTEMS PLAN

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

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO.	DRAWING NO.
225057-01	E-103
SHEET ISSUE DATE:	
02/04/2026	

2/27/2026 5:54:06 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
F1	CONNECT TO EXISTING SYSTEM. FIELD VERIFY EXISTING FA CONTROL PANEL.



1 OVERALL FIRE ALARM PLAN

1/8" = 1'-0"

8" 4" 0' 8" 16"

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TMK#: 4-6-014:113

FILENAME:

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DRAWING TITLE

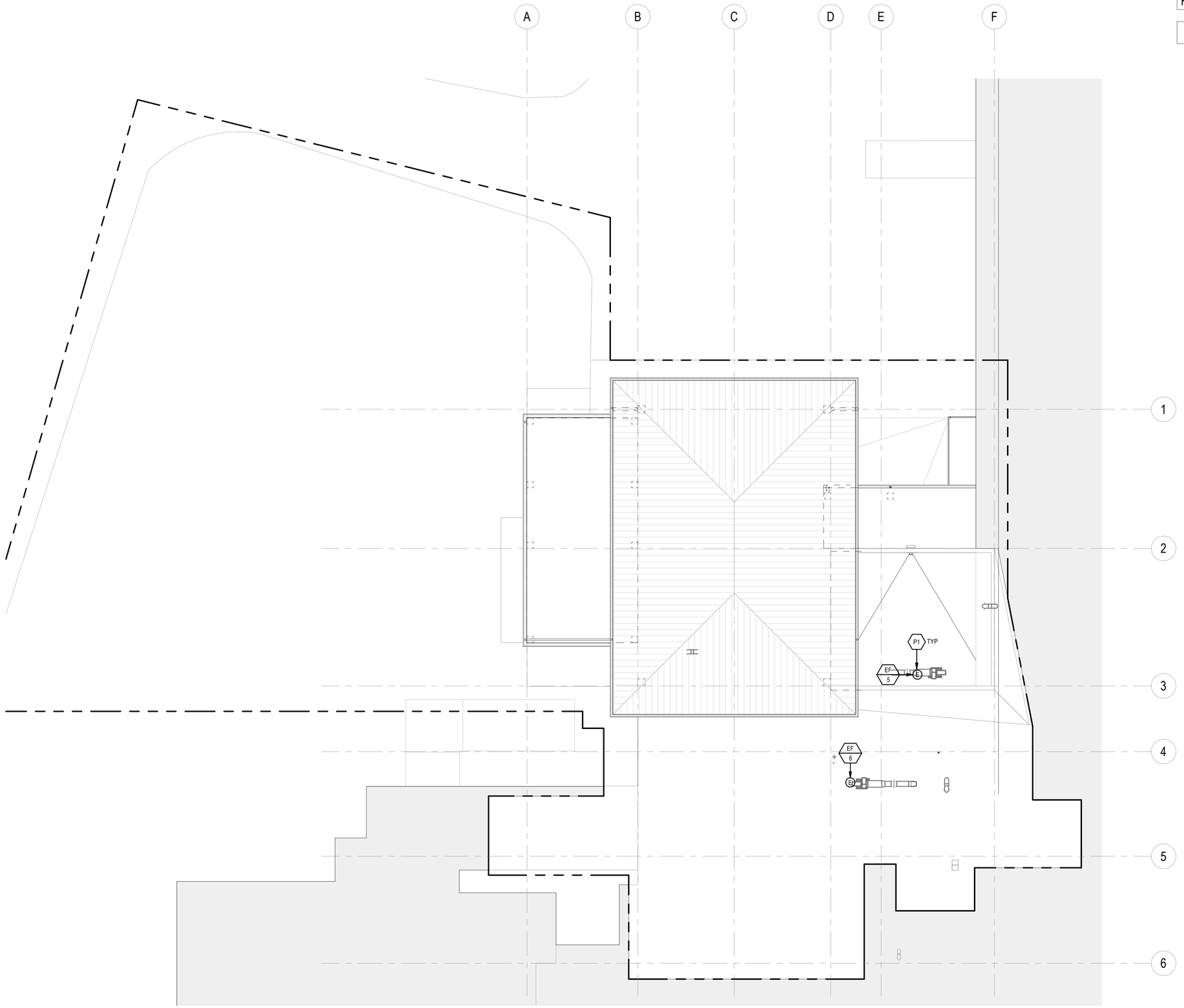
OVERALL FIRE ALARM PLAN

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

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO.	DRAWING NO.
225057-01	**E-104**
SHEET ISSUE DATE:	
02/04/2026	

2/27/2026 5:54:09 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
P1	REFER TO MECHANICAL SCHEDULES FOR EQUIPMENT CIRCUITING AND WIRING. UNLESS OTHERWISE NOTED.



1 OVERALL ROOF PLAN
1/8" = 1'-0"

8" 4" 0' 8" 16"

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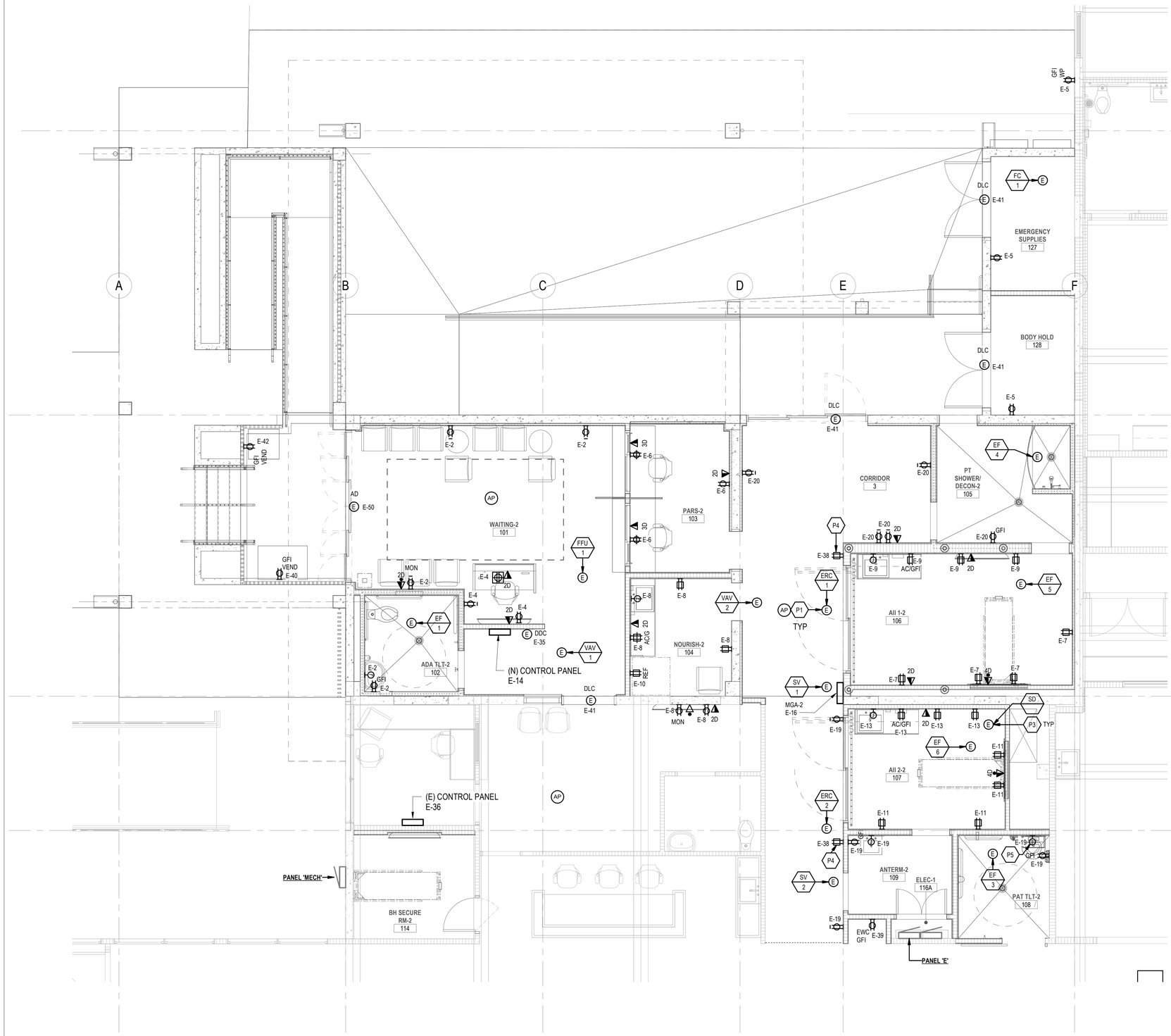
FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE
OVERALL ROOF PLAN

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

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO.	DRAWING NO.
225057-01	E-105
SHEET ISSUE DATE:	
02/04/2026	

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KEYNOTE LEGEND

Key Value	Keynote Text
P1	REFER TO MECHANICAL SCHEDULES FOR EQUIPMENT CIRCUITING AND WIRING. UNLESS OTHERWISE NOTED.
P3	PROVIDE POWER CONNDECTION TO ALL FIRE SMOKE DAMPERS/DUCT SMOKE DETECTOR AND CIRCUIT TO E-48. COORDINATE WITH MECHANICAL DRAWING FOR FIRE SMOKE DAMPER LOCATION.
P4	COORDINATE WITH MECHANICAL DRAWING FOR ROOM PRESSURE MONITOR MOUNTING HEIGHT AND INSTALLATION.
P5	PROVIDE LOCKABLE WHILE-IN-USE COVER FOR SENSOR FAUCET PLUG-IN TRANSFORMER.

1 ENLARGED STAGE A PLAN

1/4" = 1'-0"

8" 4" 0' 8" 16"

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TMK#: 4-6-014:113

FILENAME:
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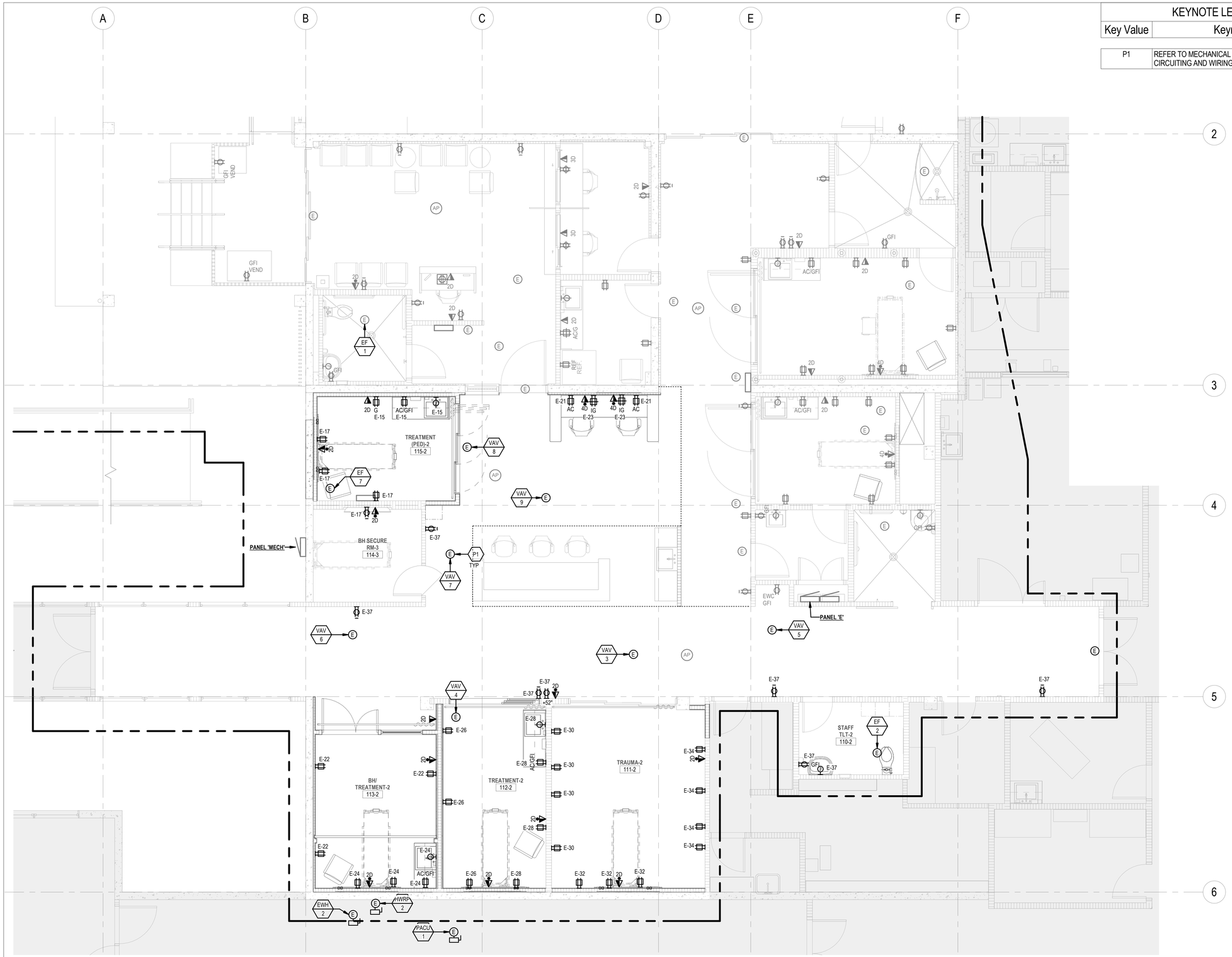
DRAWING TITLE
ENLARGED STAGE A PLAN

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

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO. 225057-01	DRAWING NO. E-111
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:54:10 PM

KEYNOTE LEGEND	
Key Value	Keynote Text
P1	REFER TO MECHANICAL SCHEDULES FOR EQUIPMENT CIRCUITING AND WIRING. UNLESS OTHERWISE NOTED.



1 ENLARGED STAGE B PLAN

1/4" = 1'-0"

8" 4" 0' 8" 16"

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TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE

ENLARGED STAGE B PLAN

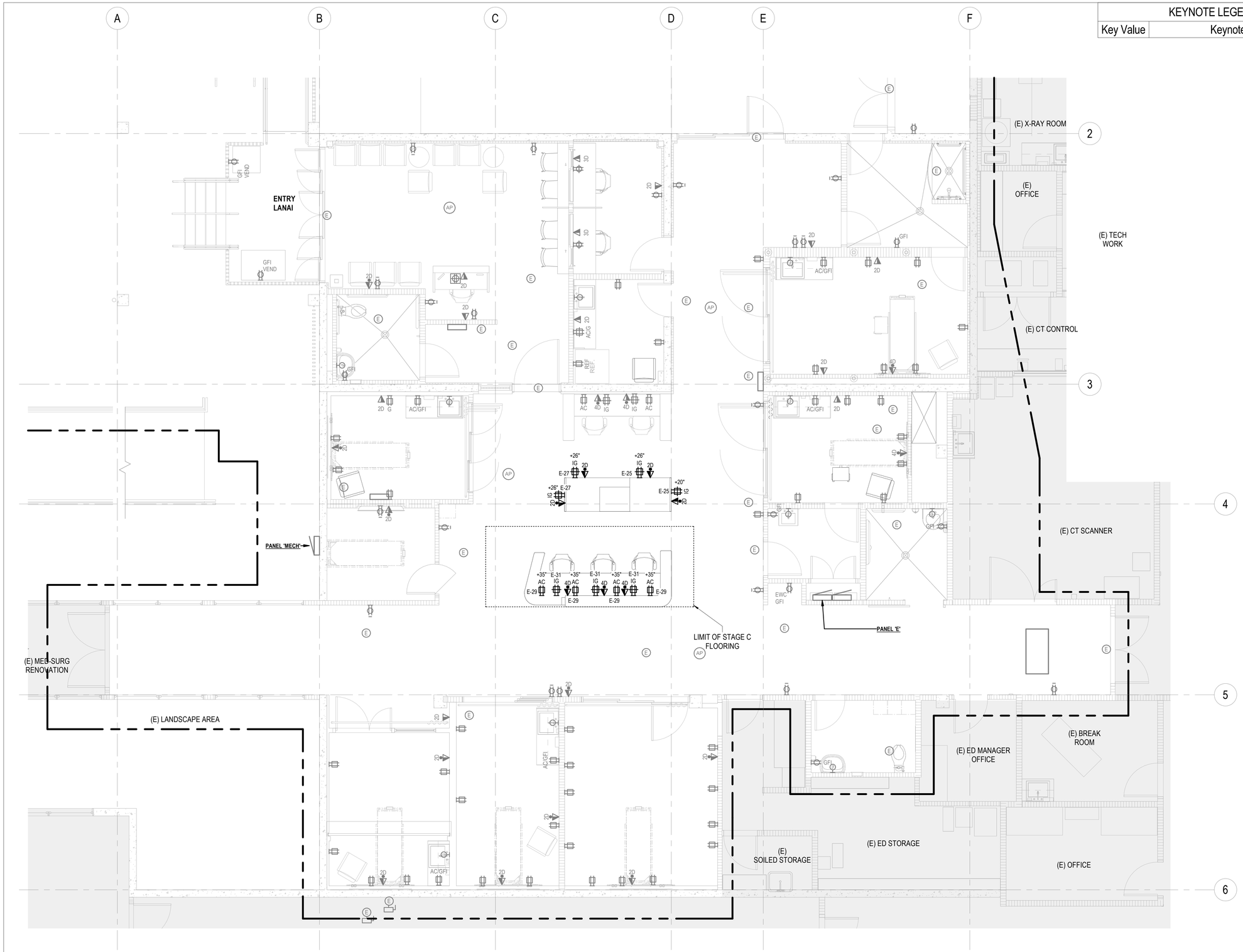
SCALE: 1/4" = 1'-0"

DRAWN BY:	CHECKED BY:
HM	CB

PROJECT NO.	DRAWING NO.
225057-01	E-112
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:54:12 PM

KEYNOTE LEGEND	
Key Value	Keynote Text



1 ENLARGED STAGE C PLAN

1/4" = 1'-0"

8" 4" 0' 8" 16"

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TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE

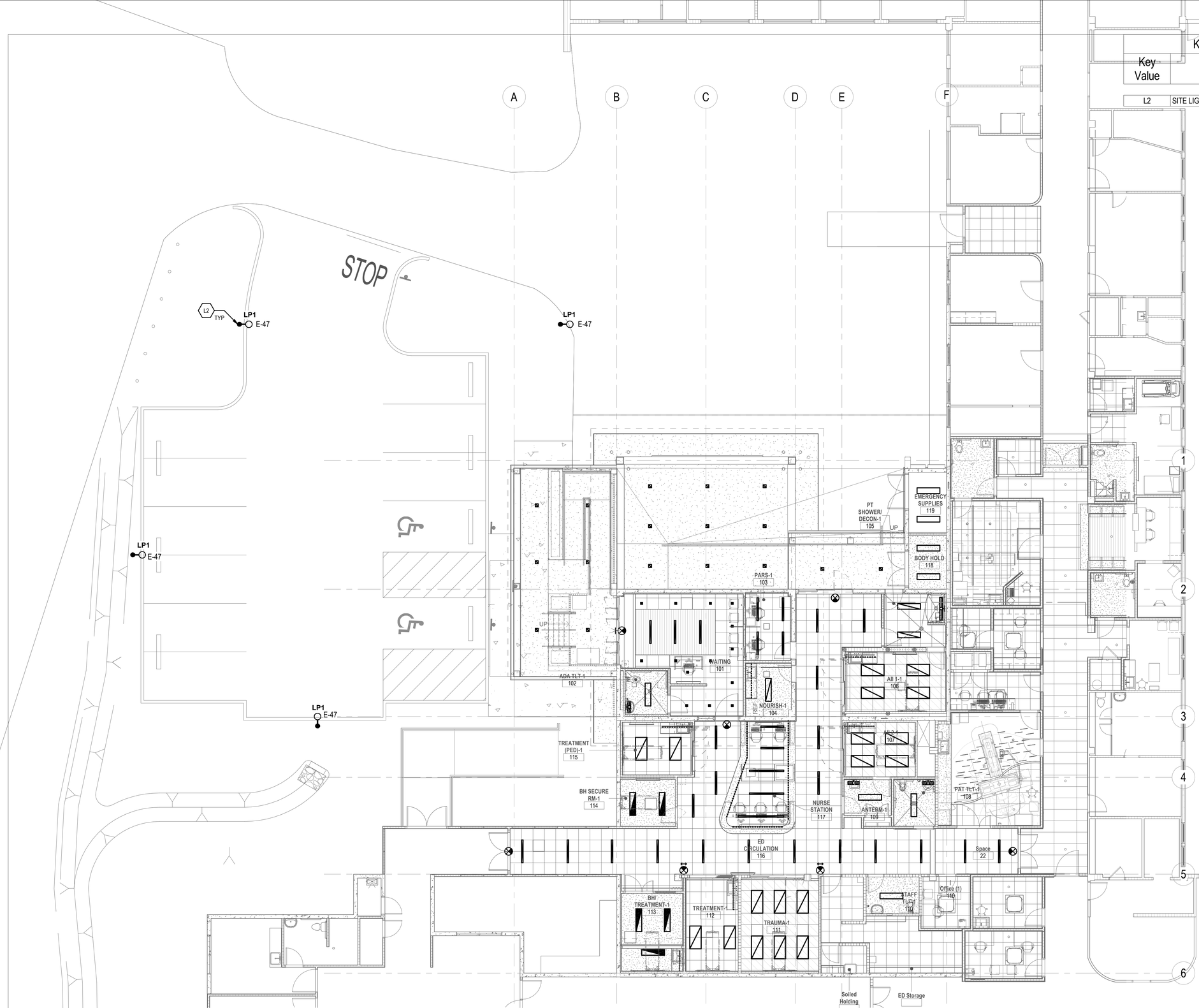
ENLARGED STAGE C PLAN

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

DRAWN BY:	CHECKED BY:
HM	CB

PROJECT NO.	DRAWING NO.
225057-01	E-113
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:54:13 PM



1 OVERALL LIGHTING PLAN
1/8" = 1'-0"

KEYNOTE LEGEND

Key Value	Keynote Text
L2	SITE LIGHTING TO BE INSTALLED AS PART OF STAGE A.

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Honolulu, HI 96813
ph 808.687.8884
www.coffman.com

REVISIONS

#	Date	Description

CD SET
02/27/2026

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

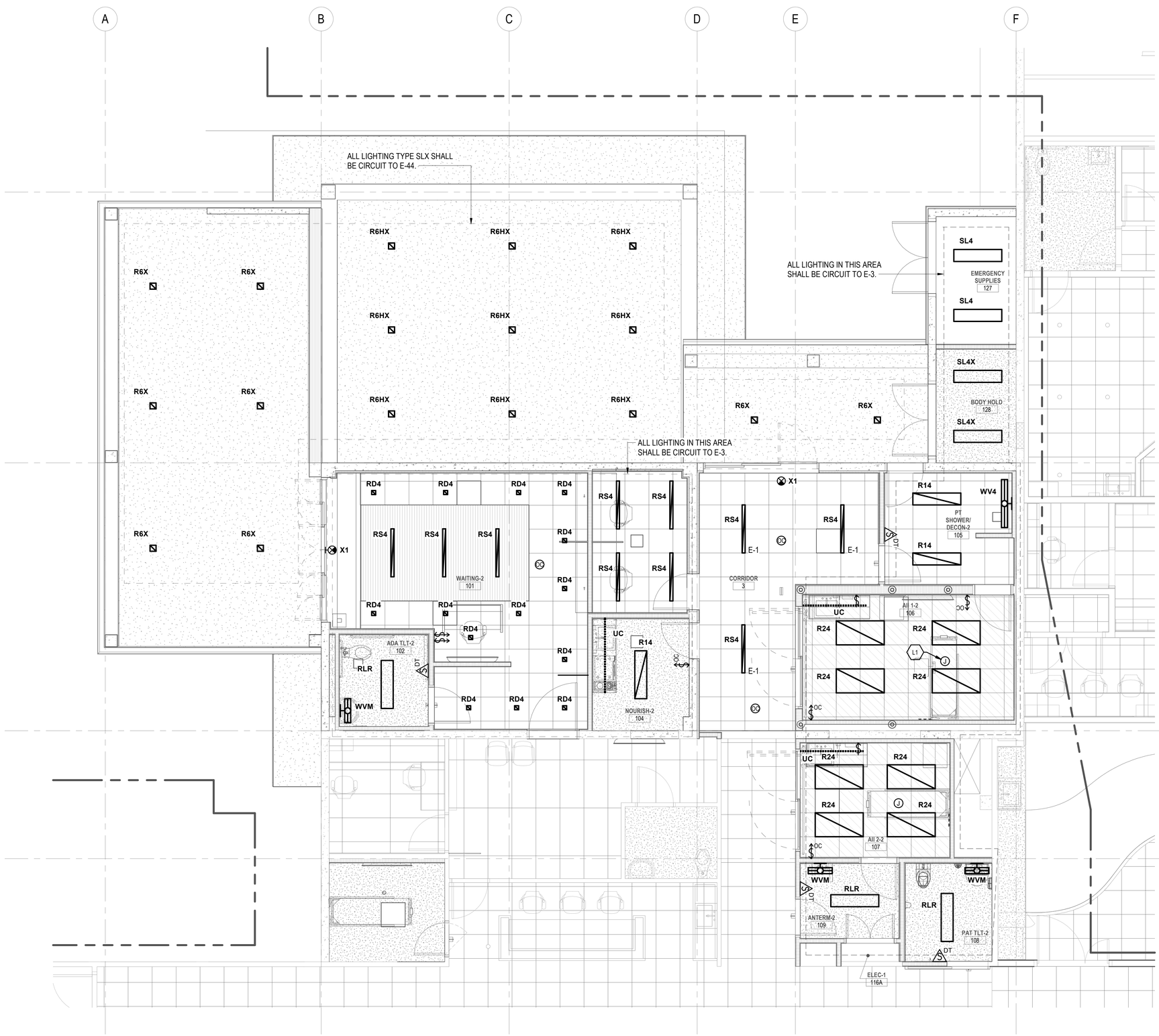
TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE
OVERALL LIGHTING PLAN

SCALE: 1/8" = 1'-0"	
DRAWN BY: HM	CHECKED BY: CB
PROJECT NO. 225057-01	DRAWING NO. E-211
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:54:19 PM



1 ENLARGED LIGHTING PLAN - STAGE A

1/4" = 1'-0"

8" 4" 0' 8" 16"

KEYNOTE LEGEND	
Key Value	Keynote Text
L1	CONNECTION TO CEILING MOUNTED EXAM LIGHT. POWER SUPPLY UNDER CANOPY. LOCAL ON/OFF/DIMMING CONTROL INTEGRAL TO LIGHT HEAD.

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TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE
ENLARGED LIGHTING PLAN - STAGE A

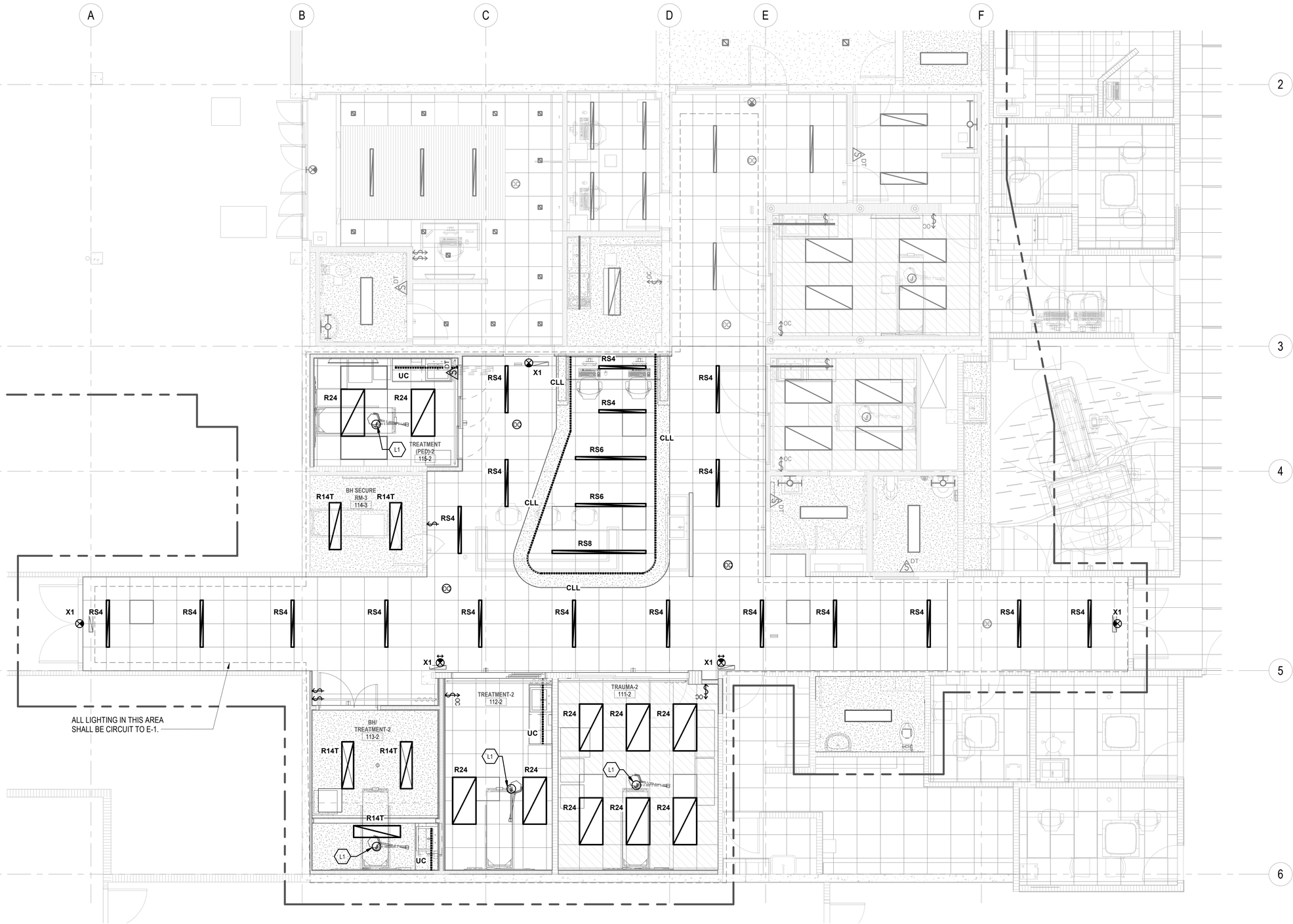
SCALE: 1/4" = 1'-0"

DRAWN BY:	CHECKED BY:
HM	CB

PROJECT NO.	DRAWING NO.
225057-01	E-212
SHEET ISSUE DATE: 02/04/2026	

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KEYNOTE LEGEND	
Key Value	Keynote Text
L1	CONNECTION TO CEILING MOUNTED EXAM LIGHT. POWER SUPPLY UNDER CANOPY. LOCAL ON/OFF/DIMMING CONTROL INTEGRAL TO LIGHT HEAD.



1 ENLARGED LIGHTING PLAN - STAGE B

1/4" = 1'-0"

8" 4" 0' 8" 16"

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

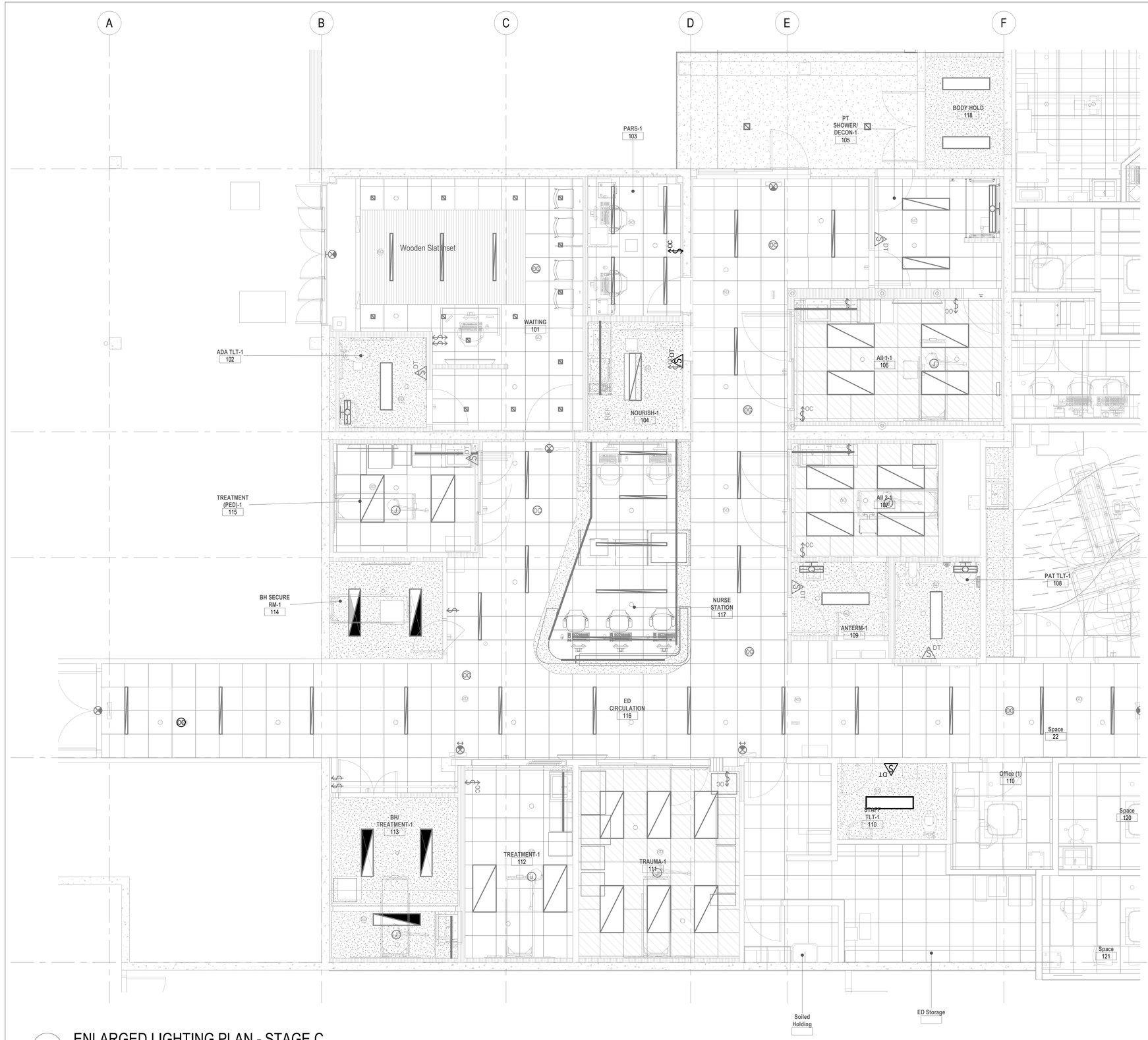
DRAWING TITLE

ENLARGED LIGHTING PLAN - STAGE B

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

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO.	DRAWING NO.
225057-01	E-213
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:54:23 PM



1 ENLARGED LIGHTING PLAN - STAGE C

1/4" = 1'-0"

8" 4" 0' 8" 16"

KEYNOTE LEGEND	
Key Value	Keynote Text

NOTE: NO LIGHTING WORK IN STAGE C

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PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

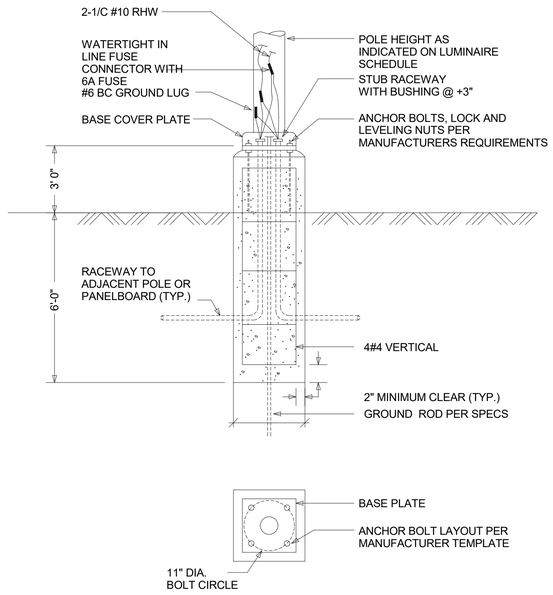
DRAWING TITLE

ENLARGED LIGHTING PLAN - STAGE C

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

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO.	DRAWING NO.
225057-01	E-214
SHEET ISSUE DATE:	
02/04/2026	

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30" HIGH BASE

1 POLE BASE DETAIL
N.T.S.

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REVISIONS

#	Date	Description

CD SET
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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE
ELECTRICAL DETAILS

SCALE: N.T.S.

DRAWN BY:	CHECKED BY:
HM	CB

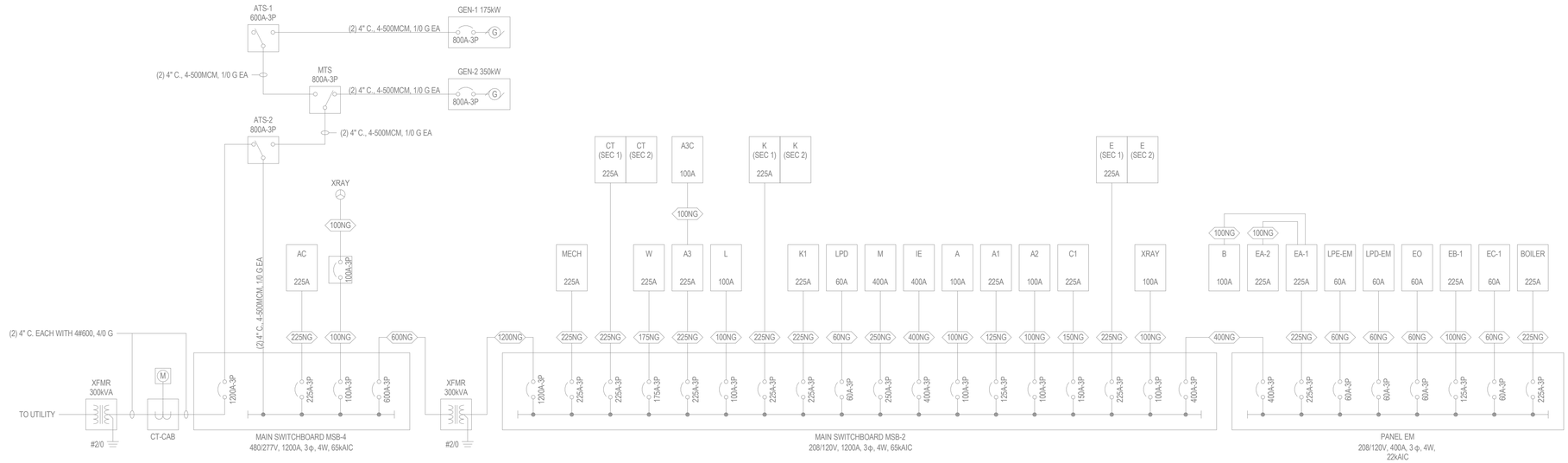
PROJECT NO.	DRAWING NO.
225057-01	**E-501**

SHEET ISSUE DATE: 02/04/2026

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FEEDER SCHEDULE

ID TAG	FEEDER
50NG	1", 3#8, 1#8 N & 1#8 G
60NG	1", 3#6, 1#6 N & 1#8 G
70N	1 1/4", 3#4 & 1#4 N
70NG	1 1/4", 3#4 , 1#4 N & 1#6 G
100NG	1.25", 3#2, 1#2 N & 1#8 G
125G	1.5", 3#1 & 1#6 G
150NG	1.5", 3#1/0, 1#1/0 N & 1#6 G
175N	2", 3#2/0, 1#2/0 N
175NG	2", 3#2/0, 1#2/0 N & 1#4 G
200NG	2.5", 3#3/0, 1#3/0 N & 1#6 G
225G	2.5", 3#4/0 & 1#4 G
225NG	2.5", 3#4/0, 1#3/0 N & 1#4 G
250NG	3", 3#250, 1#250 N & 1#2 G
300NG	3", 3#350, 1#350 N & 1#4 G
350NG	3", 3#500, 1#500 N & 1#1/0 G
400G	4", 3#500 & 1#1/0 G
400NG	4", 3#500, 1#500 N & 1#1/0 G
500G	2 SETS 3", 3#250 & 1#2 G
500NG	2 SETS 3", 1#250 N & 1#2 G
600G	2 SETS 4", 3#350 & 1#2/0 G
600NG	2 SETS 4", 3#350, 1#350 N & 1#2/0 G
800NG	2 SETS 4", 3#500, 1#500 N & 1#2/0 G
1000NG	3 SETS 4", 3#500, 1#500 N & 1#3/0 G
1200NG	4 SETS 4", 3#350, 1#350 N & 1#3/0 G



1 ONE LINE DIAGRAM

N.T.S.

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE

ONE LINE DIAGRAM

SCALE: N.T.S.

DRAWN BY:	CHECKED BY:
HM	CB
PROJECT NO.	DRAWING NO.
225057-01	**E-601**
SHEET ISSUE DATE: 02/04/2026	

2/27/2026 5:54:25 PM

SMMH ED — PANEL SCHEDULE — EXIST. PANEL: E SEC1

253149

Location: | Feed Through: E SEC2 | Source: MSB-2

Ckt	Load Description	Phase	Amp	Poles	Notes	Rec.	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total
1	LTG - STORAGE	A	20	1			1.50							1.50
3	LTG - STORAGE	B	20	1			0.60							0.60
5	LTG - DOCTORS SLEEP RM	C	20	1			0.80							0.80
7	RECEPT - TRAUMA 1	A	20	1								0.70	0.70	0.70
9	RECEPT - TRAUMA 1	B	20	1								0.70	0.70	0.70
11	RECEPT - TRAUMA 1	C	20	1								0.70	0.70	0.70
13	RECEPT - TRAUMA 1	A	20	1								0.70	0.70	0.70
15	RECEPT - TRAUMA 2	B	20	1								0.40	0.40	0.40
17	RECEPT - TRAUMA 2	C	20	1								0.70	0.70	0.70
19	RECEPT - TRAUMA 2	A	20	1								0.70	0.70	0.70
21	RECEPT - TRAUMA 2	B	20	1								0.70	0.70	0.70
23	RECEPT - SERVICE	C	20	1								0.70	0.70	0.70
25	RECEPT - DOCTORS SLEEP RM	A	20	1		0.54								0.54
27	RECEPT - PASSAGE	B	20	1		0.54								0.54
29	RECEPT - MORGUE	C	20	1		0.72								0.72
31	RECEPT - NURSE	A	20	1									0.60	0.60
33	RECEPT - NURSE	B	20	1									0.60	0.60
35	RECEPT - NURSE	C	20	1									0.60	0.60
37	RECEPT - NURSE	A	20	1		0.72							0.60	1.32
39	WATER COOLER	B	20	1									0.50	0.50
41	DOOR OPENER	C	20	1									0.20	0.20
2	LTG - NURSE	A	20	1			0.70							0.70
4	HOT WATER DISP	B	20	1									1.00	1.00
6	LTG - WATING RM 1	C	20	1			0.70							0.70
8	LTG - NITE LITE	A	20	1			0.50							0.50
10	RECEPT - ACCU #2	B	20	1									0.70	0.70
12	SPARE C.B.	C	20	1										
14	LTG - TRAUMA EXAM	A	20	1			0.70							0.70
16	LTG - TRAUMA EXAM	B	20	1			0.70							0.70
18	EF-1	C	20	1				0.40						0.40
20	RECEPT - PASSAGE	A	20	1									0.70	0.70
22	RECEPT - EXAM	B	20	1									0.70	0.70
24	RECEPT - EXAM	C	20	1									0.70	0.70
26	RECEPT - RECEPTION	A	20	1									0.60	0.60
28	RECEPT - RECEPTION	B	20	1									0.60	0.60
30	RECEPT - RECEPTION	C	20	1									0.60	0.60
32	AC CONTROL PANEL	A	20	1									0.10	0.10
34	RECEPT - RECEPTION	B	20	1									0.60	0.60
36	RECEPT - RECEPTION	C	20	1									0.60	0.60
38	MED GAS ALARM	A	20	1									0.10	0.10
40	PFB	B	20	1									0.10	0.10
42	UREF	C	20	1									0.67	0.67

Specifications

Rating (Amps):	225
Voltage (L-L):	208
Phase:	3
Wire:	4
Bus Material:	Cu
Int. Rating:	10,000A
Main Lugs Only:	X
Main Ckt Brkr:	-
Surface Mtd:	-
Flush Mtd:	X
Bonded Gnd:	-
Isolated Gnd:	-
200% Neutral:	-
Feed Thru:	X
Double Lug:	-
Top Feed:	-
Bottom Feed	-

Feed Thru Load: E SEC2

Phase A:	8.27
Phase B:	10.70
Phase C:	10.67
Total Conn.:	29.64

Load From This Panel:

Phase A:	9.46
Phase B:	8.44
Phase C:	8.09
Total Conn.:	25.99

Total Connected Load:

Phase A:	17.73
Phase B:	19.14
Phase C:	18.76
Total Conn.:	55.63

Total Feeder Demand Load:

Total:	59.43 KVA
Avg. Amps/Phase:	165 A.

CATEGORY	TOTAL CONN. LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
Receptacles	2.52	50%>10KVA	2.52
Lighting	6.20	125%	7.75
Kitchen Equipment		NEC 220.56	
Motors (Largest)	9.00	125%	11.25
Motors	14.70	100%	14.70
Heating		NEC 220.60	
Cooling		NEC 220.60	
Continuous Load		125%	
Non-Continuous Load	23.21	100%	23.21
TOTAL	55.63		59.43

General Notes:

Keyed Notes:

COFFMAN ENGINEERS, INC.

SMMH ED — PANEL SCHEDULE — EXIST. PANEL: E SEC2

253149

Location: | Feed Through: | Source: MSB-2

Ckt	Load Description	Phase	Amp	Poles	Notes	Rec.	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total
43	CAMERA & PHONE	A	20	1									0.20	0.20
45	COUNTER PLUG	B	20	1									0.60	0.60
47	UREF	C	20	1									0.67	0.67
49	UV LIGHT	A	20	1									0.20	0.20
51	REF MORGUE	B	30	2									1.50	1.50
53	-	C	-	-									1.50	1.50
55	REHEAT 1,2 & 3	A	30	3										
57	-	B	-	-										
59	-	C	-	-										
61	AHU-1	A	50	3					3.00					3.00
63	-	B	-	-					3.00					3.00
65	-	C	-	-					3.00					3.00
67	ACCU-1	A	30	3					2.20					2.20
69	-	B	-	-					2.20					2.20
71	-	C	-	-					2.20					2.20
73	XRAY TABLE	A	-	-									0.50	0.50
75	XRAY SHUNT TRIP	B	-	-									0.10	0.10
77	SPACE ONLY	C	-	-										
79	SPACE ONLY	A	-	-										
81	SPACE ONLY	B	-	-										
83	SPACE ONLY	C	-	-										
44	UREF	A	20	1									0.67	0.67
46	NURSE CALL	B	20	1									0.10	0.10
48	FIRE ALARM CAB	C	20	1									0.10	0.10
50	DOOR OPERATOR	A	20	1									0.20	0.20
52	VACUUM PUMP	B	20	3					1.30					1.30
54	-	C	-	-					1.30					1.30
56	-	A	-	-					1.30					1.30
58	REHEAT 4,5 & 6	B	30	3										
60	-	C	-	-										
62	-	A	-	-										
64	FCU-1A/1B	B	20	2					0.10				0.10	0.10
66	-	C	-	-					0.10				0.10	0.10
68	SPACE ONLY	A	-	-										
70	ACCU-2	B	30	2					1.80				1.80	1.80
72	-	C	-	-					1.80				1.80	1.80
74	SPACE ONLY	A	-	-										
76	SPACE ONLY	B	-	-										
78	SPACE ONLY	C	-	-										
80	SPACE ONLY	A	-	-										
82	SPACE ONLY	B	-	-										
84	SPACE ONLY	C	-	-										

Specifications

Rating (Amps):	225
Voltage (L-L):	208
Phase:	3
Wire:	4
Bus Material:	Cu
Int. Rating:	10,000A
Main Lugs Only:	X
Main Ckt Brkr:	-
Surface Mtd:	-
Flush Mtd:	X
Bonded Gnd:	-
Isolated Gnd:	-
200% Neutral:	-
Feed Thru:	-
Double Lug:	-
Top Feed:	-
Bottom Feed	-

Feed Thru Load: NONE

Phase A:	
Phase B:	
Phase C:	
Total Conn.:	

Load From This Panel:

Phase A:	8.27
Phase B:	10.70
Phase C:	10.67
Total Conn.:	29.64

Total Connected Load:

Phase A:	8.27
Phase B:	10.70
Phase C:	10.67
Total Conn.:	29.64

Total Feeder Demand Load:

Total:	31.89 KVA
Avg. Amps/Phase:	89 A.

CATEGORY	TOTAL CONN. LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
Receptacles		50%>10KVA	
Lighting		125%	
Kitchen Equipment		NEC 220.56	
Motors (Largest)	9.00	125%	11.25
Motors	14.30	100%	14.30
Heating		NEC 220.60	
Cooling		NEC 220.60	
Continuous Load		125%	
Non-Continuous Load	6.34	100%	6.34
TOTAL	29.64		31.89

General Notes:

Keyed Notes:

COFFMAN ENGINEERS, INC.

SMMH ED — PANEL SCHEDULE — REVISED PANEL: E SEC1 (R)

253149

Location: | Feed Through: E SEC2 | Source: MSB-2

Ckt	Load Description	Phase	Amp	Poles	Notes	Rec.	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total
1	LTG - CIRCULATION 116,117	A	20	1			1.13							1.13
3	LTG - RM 101 - 109	B	20	1			1.35							1.35
5	RECEPT - EMER 127 7 128	C	20	1		0.54								0.54
7	RECEPT - ALL 1-2	A	20	1		0.54								0.54
9	RECEPT - ALL 1-2	B	20	1		0.72								0.72
11	RECEPT - ALL 2-2	C	20	1		0.54								0.54
13	RECEPT - ALL 2-2	A	20	1		0.72								0.72
15	RECEPT - TREATMENT 115-2	B	20	1		0.54								0.54
17	RECEPT - TREATMENT 115-2	C	20	1		0.72								0.72
19	RECEPT - ANTERM-2, TLT-2	A	20	1		0.72								0.72
21	RECEPT - NURSE STA 117	B	20	1		0.36								0.36
23	RECEPT - NURSE STA 117	C	20	1		0.72								0.72
25	RECEPT - NURSE STA 117	A	20	1		0.72								0.72
27	RECEPT - NURSE STA 117	B	20	1		0.72								0.72
29	RECEPT - NURSE STA 117	C	20	1		0.72								0.72
31	RECEPT - NURSE STA 117	A	20	1		1.08								1.08
33	SPARE C.B.	B	20	1										
35	DDC - MECH	C	20	1									0.10	0.10
37	RECEPT - CIRCULATION 116	A	20	1		1.08								1.08
39	WATER COOLER	B	20	1									0.50	0.50
41	DOOR OPENER	C	20	1									0.20	0.20
2	RECEPT - WAITING-2	A	20	1		0.72								0.72
4	RECEPT - WAITING-2	B	20	1		0.72								0.72
6	RECEPT - PARS-2	C	20	1		0.90								0.90
8	RECEPT - NOURISH-2	A	20	1		0.54								0.54
10	REF - NOURISH-2	B	20	1									0.83	0.83
12	ERC-1	C	20	1									0.20	0.20
14	CONTROL PANEL - NOURISH-2	A	20	1									0.10	0.10
16	MGA-2 -MED GAS ALARM	B	20	1									0.10	0.10
18	ERC-2	C	20	1									0.20	0.20
20	RECEPT - SPACE 3	A	20	1		0.90								0.90
22	RECEPT - TREATMENT 113-2	B	20	1		0.54								0.54
24	RECEPT - TREATMENT 113-2	C	20	1		0.54								0.54
26	RECEPT - TREATMENT 112-2	A	20	1		0.54								0.54
28	RECEPT - TREATMENT 112-2	B	20	1		0.54								0.54
30	RECEPT - TRAUMA-2 111-2	C	20	1		0.72								0.72
32	RECEPT - TRAUMA-2 111-2	A	20	1		0.54								0.54
34	RECEPT - TRAUMA-2 111-2	B	20	1		0.72								0.72
36	CONTROL PANEL	C	20	1									0.10	0.10
38	ROOM PRESSURE MONITOR	A	20	1									0.30	0.30
40	VENDING MACHINE	B	20	1									1.00	1.00
42	VENDING MACHINE	C	20	1									1.00	1.00

Specifications

Rating (Amps):	225
Voltage (L-L):	208
Phase:	3
Wire:	4
Bus Material:	Cu
Int. Rating:	10,000A
Main Lugs Only:	X
Main Ckt Brkr:	-
Surface Mtd:	-
Flush Mtd:	X
Bonded Gnd:	-
Isolated Gnd:	-
200% Neutral:	-
Feed Thru:	X
Double Lug:	-
Top Feed:	-
Bottom Feed	-

Feed Thru Load: E SEC2

Phase A:	8.27
Phase B:	10.70
Phase C:	10.67
Total Conn.:	29.64

Load From This Panel:

Phase A:	9.63
Phase B:	8.64
Phase C:	7.20
Total Conn.:	25.47

Total Connected Load:

Phase A:	17.90
Phase B:	19.34
Phase C:	17.87
Total Conn.:	55.11

Total Feeder Demand Load:

Total:	53.80 KVA
Avg. Amps/Phase:	149 A.

CATEGORY	TOTAL CONN. LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
Receptacles	18.36	50%>10KVA	14.18
Lighting	2.48	125%	3.10
Kitchen Equipment		NEC 220.56	
Motors (Largest)	9.00	125%	11.25
Motors	14.30	100%	14.30
Heating		NEC 220.60	
Cooling		NEC 220.60	
Continuous Load		125%	
Non-Continuous Load	10.97	100%	10.97
TOTAL	55.11		53.80

General Notes:

Keyed Notes:

COFFMAN ENGINEERS, INC.

SMMH ED — PANEL SCHEDULE — REVISED PANEL: E SEC2 (R)

253149

Location: | Feed Through: | Source: MSB-2

Ckt	Load Description	Phase	Amp	Poles	Notes	Rec.	Ltg.	Kit.	Mtr.	Htg.	Clg.	Cont.	Non.	Total
43	CAMERA & PHONE	A	20	1									0.20	0.20
45	HWRP-2	B	20	1									0.10	0.10
47	LTG - SITE LIGTING	C	20	1			0.14							0.14
49	SV-1/SV-2	A	20	1									0.20	0.20
51	AC-1/FC-1	B	30	2							1.15			1.15
53	-	C	-	-							1.15			1.15
55	VAV-1,2 & VAV-3	A	30	3						1.83				1.83
57	-	B	-	-						1.83				1.83
59	-	C	-	-						1.83				1.83
61	PACU-1 (7.5HP)	A	50	3					2.90					2.90
63	-	B	-	-					2.90					2.90
65	-	C	-	-					2.90					2.90
67	SPARE C.B.	A	30	3										
69		B	-	-										
71	-	C	-	-										
73	XRAY TABLE	A	20	1									0.50	0.50
75	XRAY SHUNT TRIP	B	20	1									0.10	0.10
77	SPACE ONLY	C	-	-										
79	SPACE ONLY	A	-	-										
81	SPACE ONLY	B	-	-										
83	SPACE ONLY	C	-	-										
44	LTG - EXTERIOR CANOPY	A	20	1			0.31							0.31
46	NURSE CALL	B	20	1									0.10	0.10
48	FIRE ALARM SMOKE DAMPER	C	20	1									0.10	0.10
50	AUTO DOOR	A	20	1									0.20	0.20
52	EF-5 & EF-6 - ROOF	B	20	3					1.15					1.15
54	-	C	-	-					1.15					1.15
56	-	A	-	-					1.15					1.15
58	VAV-4,6,7 & 8, 9	B	30	3						1.66				1.66
60	-	C	-	-						1.66				1.66
62	-	A	-	-						1.66				1.66
64	FFU-1 - WAITING RM	B	20	2					0.50				0.50	0.50
66	-	C	-	-					0.50				0.50	0.50
68	SPACE ONLY	A	-	-										
70	AC-2/FC-2	B	30	2							1.15			1.15
72	-	C	-	-							1.15			1.15
74	EWH-2	A	30	2	1					2.25				2.25
76	-	B	-	-						2.25				2.25
78	SPACE ONLY	C	-	-										
80	SPACE ONLY	A	-	-										
82	SPACE ONLY	B	-	-										
84	SPACE ONLY	C	-	-										

Specifications

Rating (Amps):	225
Voltage (L-L):	208
Phase:	3
Wire:	4
Bus Material:	Cu
Int. Rating:	10,000A
Main Lugs Only:	X
Main Ckt Brkr:	-
Surface Mtd:	-
Flush Mtd:	X
Bonded Gnd:	-
Isolated Gnd:	-
200% Neutral:	-
Feed Thru:	-
Double Lug:	-
Top Feed:	-
Bottom Feed	-

Feed Thru Load: NONE

Phase A:	
Phase B:	
Phase C:	
Total Conn.:	

Load From This Panel:

Phase A:	11.20
Phase B:	12.89
Phase C:	10.58
Total Conn.:	34.67

Total Connected Load:

Phase A:	11.20
Phase B:	12.89
Phase C:	10.58
Total Conn.:	34.67

Total Feeder Demand Load:

Total:	32.36 KVA
Avg. Amps/Phase:	90 A.

CATEGORY	TOTAL CONN. LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
Receptacles		50%>10KVA	
Lighting	0.45	125%	0.57
Kitchen Equipment		NEC 220.56	
Motors (Largest)	8.70	125%	10.88
Motors	4.45	100%	4.45
Heating	14.97	NEC 220.60	14.97
Cooling	4.60	NEC 220.60	
Continuous Load		125%	
Non-Continuous Load	1.50	100%	1.50
TOTAL	34.67		32.36

General Notes:

Keyed Notes:

1. PROVIDE NEW CIRCUIT BREAKER.

COFFMAN ENGINEERS, INC.

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REVISIONS

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:

Autodesk Docs://225057-01 SMMH ED/SMMH-BLDG_E24.rvt

DRAWING TITLE

PANEL SCHEDULES

SCALE: 12" = 1'-0"

DRAWN BY:	CHECKED BY:
HM	CB

PROJECT NO.	DRAWING NO.
225057-01	E-701

SHEET ISSUE DATE: 02/04/2026

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LUMINAIRE SCHEDULE

COUNT	TYPE MARK	IMAGE	MOUNTING	LOCATION	DESCRIPTION	LUMINAIRE / TRIM COLOR	LENS / LOUVER	BALLAST/ DRIVER TYPE	COLOR TEMP	LAMP TYPE	LUMENS	LOAD	EFFICACY	VOLTAGE	MFR ACCESSORIES	MFR	MODEL
4	CLL		COVE	RECEPTION	LED TAPE LIGHT	WHITE	UV RESISTANT SILICONE	24V DIMMABLE POWER SUPPLY	4000K	LED	1380 lm	2 VA	690 lm/W	120 V	POWER SUPPLY AND MOUNTING ACCESSORIES AS REQ'D	GM LIGHTING	NEOVISION MINI
4	LP1		POLE. 12' OAH	PARKING	SINGLE HEAD POLE LIGHT	BRONZE	POLYCARBONATE LENS	0-10V DIMMING DRIVER	2700K *	LED, TYPE 4 WIDE	3755 lm	36 VA	104 lm/W	120 V	10' ROUND POLE, MOTION/PHOTO SENSOR, MARINE GRADE COATING	NLS LIGHTING	NV-1-T4FTW-16L-7-27K8-UNV-ASA-BRZ-FSP-211-MGF / RSAP-10-4R-188-9BC-SGL-BRZ-3430-RBC-MGF
9	R6HX		RECESSED	EXTERIOR	6" SQUARE DOWNLIGHT - HIGH OUTPUT - WET LOCATION	WHITE	WET LOCATION FLUSH LENS, WIDE DIST.	0-10V DIM	2700K *	LED	6000 lm	65 VA	93 lm/W	120 V		HE WILLIAMS	6DS-L60-8-27-DIM-UNV-L-W-OF-WH-WET/CC-N-F1
8	R6X		RECESSED	EXTERIOR	6" SQUARE DOWNLIGHT - WET LOCATION	WHITE	WET LOCATION FLUSH LENS, WIDE DIST.	0-10V DIM	2700K *	LED	1500 lm	16 VA	94 lm/W	120 V		HE WILLIAMS	6DS-L15-8-27-DIM-UNV-L-W-OF-WH-WET/CC-N-F1
3	R14		RECESSED	OFFICES	TROFFER 1X4	WHITE	.125 White Frosted Acrylic Inner Lens with .125 Clear Poly. Outer Lens	0-10V DIM TO 10%	4000K	LED	6000 lm	50 VA	120 lm/W	120 V		NEW STAR	NST-14-LT-HC20/IC20-L2-40-80C-1C-WA25-UN-DM
5	R14T		RECESSED	BEHAVIORAL HEALTH RMS	TROFFER 1X4 - VANDAL/TAMPERPROOF	WHITE	.125 White Frosted Acrylic Inner Lens with .125 Clear Poly. Outer Lens	0-10V DIM TO 10%	4000K	LED	6000 lm	50 VA	120 lm/W	120 V	TAMPERPROOF SCREWS	NEW STAR	NST-14-VR-HC20/IC20-L2-40-80C-1C-WA25-UN-DM
18	R24		RECESSED	OFFICES	TROFFER 2X4	WHITE	.125 White Frosted Acrylic Inner Lens with .125 Clear Poly. Outer Lens	0-10V DIM TO 10%	4000K	LED	6250 lm	50 VA	125 lm/W	120 V		NEW STAR	NST-24-LT-HC20/IC20-L2-40-80C-1C-WA25-UN-DM
14	RD4		RECESSED	LOBBY	DOWNLIGHT - 4IN DIAMETER	WHITE	SELF-FLANGED REFLECTOR	0-10V DIM TO 1%	4000K	LED, 50DEG WIDE FLOOD	5700 lm	20 VA	285 lm/W	120 V		INTENSE LIGHTING	FIXTURE: GD4DRL340-D101-WF REFLECTOR: IRD400W-SF
4	RLR		RECESSED, FLANGED	RESTROOMS	RESTROOM LIGHT - 1x4	WHITE	FROSTED ACRYLIC, PATTERN #12, 0.125" THICK	0-10V DIMMING DRIVER	4000K	LED	2637 lm	20 VA	131 lm/W	120 V		HE WILLIAMS	50F-S14-L27/840-FAF12125-WET-DRV-UNV
29	RS4		RECESSED	CORRIDOR	SLOT FIXTURE - 4' LENGTH	WHITE	FROSTED FLUSH LENS	0-10V DIM TO 10%	4000K	LED, Direct	1344 lm	14 VA	96 lm/W	120 V	Verify Grid Mounting	FINELITE	HP2RD4'S840F96LG120SCFC-10%C1FESW..
2	RS6		RECESSED	RECEPTION	SLOT FIXTURE - 6' LENGTH	WHITE	FROSTED FLUSH LENS	0-10V DIM TO 10%	4000K	LED, Direct	2016 lm	21 VA	96 lm/W	120 V		FINELITE	HP2RD6'S840F96LG120SCFC-10%C1FESW
1	RS8		RECESSED	RECEPTION	SLOT FIXTURE - 8' LENGTH	WHITE	FROSTED FLUSH LENS	0-10V DIM TO 10%	4000K	LED, Direct	2688 lm	28 VA	96 lm/W	120 V		FINELITE	HP2RD8'S840F96LG120SCFC-10%C1FESW
2	SL4		SURFACE	STORAGE	STRIP LIGHT - 4' LENGTH	WHITE	ROUND FROSTED LENS	0-10V DIMMING DRIVER	4000K	LED	3000 lm	64 VA	47 lm/W	120 V		HE WILLIAMS	76R-L30-840-SMH-76R-DIM-UNV
2	SL4X		SURFACE	STORAGE	STRIP LIGHT - 4' LENGTH - WET LOCATION	WHITE	ROUND FROSTED LENS	0-10V DIMMING DRIVER	4000K	LED	3000 lm	48 VA	63 lm/W	120 V		HE WILLIAMS	96-4-L62-8-40-SFRA-DIM-UNV
6	UC		SURFACE	OFFICES	UNDERCABINET LIGHT	ALUMINUM		INTEGRAL LINE VOLTAGE	4000K	LED	1380 lm	7 VA	197 lm/W	120 V		FEELUX	TUN7-4000K-120V-SF
1	WV4		WALL	RESTROOMS	VANITY LIGHT - 4' LENGTH	ANTI-MICROBIAL WHITE	FROSTED ACRYLIC	0-10V DIMMING DRIVER	4000K	LED	4000 lm	29 VA	137 lm/W	120 V		HE WILLIAMS	WMA-4-L40-840-AF-AMW-DIM-UNV
3	WVM		WALL	RESTROOMS	ELECTRIC MIRROR	WHITE			3000K	LED	1380 lm	64 VA	22 lm/W	120 V			
7	X1		SURFACE/ END/ WALL	VARIOUS	EXIT SIGN - SINGLE FACE	WHITE	GREEN LETTERS	N/A	N/A	LED-PHOSPHOR PANEL		2 VA		120 V	UNIVERSAL CANOPY MOUNTING KIT	EVENLITE	AUR-1-WH-CN

NOTE: VERIFY EXISTING EXTERIOR LIGHT POLE COLOR TEMPERATURE. MATCH EXISTING.

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REVISIONS

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License Expiration Date

PROJECT TITLE

SAMUEL MAHELONA MEMORIAL HOSPITAL

EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

FILENAME:
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DRAWING TITLE
LUMINAIRE SCHEDULE

SCALE:

DRAWN BY:	CHECKED BY:
HM	CB

PROJECT NO.	DRAWING NO.
225057-01	**E-801**

SHEET ISSUE DATE: 02/04/2026

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MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIP. NO.	DESCRIPTION	LOCATION	HP	KW	FLA	MCA	MOCP	VOLTAGE	PHASE	DISCONNECT	STARTER	FEEDER	CIRCUITING	NOTES
PACU-1	PACKAGE AIR CONDITIONING	CLAWL SPACE LOWER LEVEL	7.5				40	208	3	60AS	CNTR PNL	1" - 3#6 & 1#10G	E-61,63,65	1
ERC-1	ELECTRIC REHEAT COIL	AFTER SV-1		1				120	1	HRS	-	3/4" - 2#12 & 1#12G	E-12	
ERC-2	ELECTRIC REHEAT COIL	AFTER SV-2		1.5				120	1	HRS	-	3/4" - 2#12 & 1#12G	E-18	
EF-1	EXHAUST FAN	ADA TOILET		0.026				120	1	HRS	-	3/4" - 2#12 & 1#12G	E-3	2
EF-2	EXHAUST FAN	STAFF TOILET		0.026				120	1	HRS	-	3/4" - 2#12 & 1#12G	E-3	2
EF-3	EXHAUST FAN	PAT. TOILET		0.026				120	1	HRS	-	3/4" - 2#12 & 1#12G	E-3	2
EF-4	EXHAUST FAN	SHOWER		0.026				120	1	HRS	-	3/4" - 2#12 & 1#12G	E-3	2
EF-5	EXHAUST FAN	ROOF	1					208	3	30AS	-	3/4" - 3#12 & 1#12G	E-52,54	2
EF-6	EXHAUST FAN	ROOF	1					208	3	30AS	-	3/4" - 3#12 & 1#12G	E-52,54	2
EF-7	EXHAUST FAN	PED 115						120	1	HRS	-	3/4" - 2#12 & 1#12G	E-3	
SV-1	CONTROL AIR VALVE	CORRIDOOR						120	1	HRS	-	3/4" - 2#12 & 1#12G	E-49	
SV-2	CONTROL AIR VALVE	CORRIDOOR						120	1	HRS	-	3/4" - 2#12 & 1#12G	E-49	
ACCU-1	AIR COOLED CONDENSING UNIT	OUTSIDE				19.8	20	208	1	HRS	CNTR PNL	3/4" - 2#12 & 1#12G	E-51,53	
ACCU-2	AIR COOLED CONDENSING UNIT	OUTSIDE				19.8	20	208	1	HRS	CNTR PNL	3/4" - 2#12 & 1#12G	E-70,72	
FC-1	FAN COIL (DX)	BODY HOLDING			0.5			208	1	HRS	CNTR PNL	3/4" - 2#12 & 1#12G	E-51,53	
FC-2	FAN COIL (DX)	EMERGENCY SUPPLIES			0.5			208	1	HRS	CNTR PNL	3/4" - 2#12 & 1#12G	E-70,72	
FFU-1	FAN FILTER UNIT	WAITING			4.8			208	1	HRS	CNTR PNL	3/4" - 2#12 & 1#12G	E-64,66	
VAV-1	TERMINAL UNIT	WAITING		2.5				208	3	30AS	CNTR PNL	3/4" - 3#12 & 1#12G	E-55,57,59	
VAV-2	TERMINAL UNIT	PARS/NOURISH		-				120	1	HRS	CNTR PNL	3/4" - 2#12 & 1#12G	E-55,57,59	
VAV-3	TERMINAL UNIT	TRAUMA		3				208	3	30AS	CNTR PNL	3/4" - 3#12 & 1#12G	E-55,57,59	
VAV-4	TERMINAL UNIT	TREATMENT 112		1				208	3	30AS	CNTR PNL	3/4" - 3#12 & 1#12G	E-58,60,62	
VAV-5	TERMINAL UNIT	ED CIRC.		-				120	1	HRS	CNTR PNL	3/4" - 2#12 & 1#12G	E-58,60,62	
VAV-6	TERMINAL UNIT	BH TREATMENT 113		2				208	3	30AS	CNTR PNL	3/4" - 3#12 & 1#12G	E-58,60,62	
VAV-7	TERMINAL UNIT	BH SECURE 114		1				208	3	30AS	CNTR PNL	3/4" - 3#12 & 1#12G	E-58,60,62	
VAV-8	TERMINAL UNIT	TREAT (PED) / TRIAGE		1				208	3	30AS	CNTR PNL	3/4" - 3#12 & 1#12G	E-58,60,62	
VAV-9	TERMINAL UNIT	NURSE STATION		-				120	1	HRS	CNTR PNL	3/4" - 2#12 & 1#12G	E-58,60,62	
HWRP-2	HOT WATER CIRCULATION PUMP	LOWER LEVEL			0.025			120	1	HRS	CNTR PNL	3/4" - 2#12 & 1#12G	E-45	
EWH-2	ELECTRIC WATER HEATER	LOWER LEVEL				21.6		208	1	HRS	CNTR PNL	3/4" - 2#10 & 1#10G	E-74,76	

SCHEDULE NOTES:

1. PROVIDE 120V BRANCH CIRCUIT TO SERVE UV-C LIGHTS. SEE MECHANICAL DRAWING FOR DETAIL.
2. PROVIDE LOCKABLE BREAKER.

GENERAL NOTES:

A. INFORMATION PRESENTED IN THIS SCHEDULE IS BASED ON EQUIPMENT SELECTED BY THE MECHANICAL ENGINEER DURING THE DESIGN PROCESS (PRE-BID). THE ACTUAL EQUIPMENT SELECTED BY MECHANICAL CONTRACTOR UNDER THIS CONTRACT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR ACTUAL LOADS AND PROVIDE OVERCURRENT PROTECTIVE DEVICES AND CIRCUIT SIZES AS REQUIRED BY THE EQUIPMENT MANUFACTURER PRIOR TO ORDERING MATERIALS OR ROUGH-IN.

B. ALL DISCONNECTS ARE FUSED, U.O.N. CONFIRM FUSE SIZE WITH EQUIPMENT MANUFACTURER.

C. LOCATE ALL DISCONNECTING MEANS PER 2020 NEC 430.102(B) AND AHJ REQUIREMENTS.

D. ABBREVIATIONS:
AS: AMPERE SWITCH
HRS: HORSEPOWER RATED MOTOR DISCONNECT WITH OVERLOAD PROTECTION.

E. VFD PROVIDED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.

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EMERGENCY DEPARTMENT RENOVATION & ADDITION

TMK#: 4-6-014:113

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DRAWING TITLE
MECHANICAL EQUIPMENT CONNECTION SCHEDULE

SCALE: 12" = 1'-0"

DRAWN BY:	CHECKED BY:
HM	CB

PROJECT NO.	DRAWING NO.
225057-01	**E-802**
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