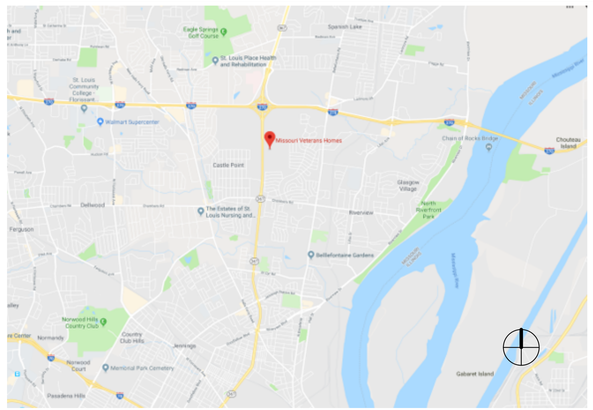
St. Louis Veterans Home Renovation
St. Louis, Missouri



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MISSOURI STATE CERTIFICATE OF AUTHORITY # 000051

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GOVERNOR

DEPARTMENT OF
PUBLIC SAFETY
MISSOURI VETERANS COMMISSION

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STATE OF MISSOURI PROJECT NUMBER: U2307-01
FEDERAL PROJECT NUMBER:
FACILITY NUMBER: 8136804001

SHEET NUMBER:

G-001

JUNE 26, 2025

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G-003	SYMBOLS & ABBREVIATIONS
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DEPARTMENT OF
PUBLIC SAFETY, MISSOURI
VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

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SHEET TITLE:

DRAWING INDEX

SHEET NUMBER:

G-002

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PLAN SYMBOLS

EXISTING CONSTRUCTION TO REMAIN

EXISTING CONSTRUCTION TO BE REMOVED

NEW CONSTRUCTION

INDICATES AREAS NOT IN CONTRACT

REFLECTED CEILING PLAN SYMBOLS)

CEILING HEIGHT — TYPE MARK 9'-0" — HEIGHT OF CEILING ABOVE FINISHED FLOOR

LAY IN PANEL

ACCESS DOOR

SURFACE OR RECESSED LUMINAIRE

PENDANT HUNG LUMINAIRE

UNDER CABINET LUMINAIRE

SPRINKLER HEAD

FIRE ALARM SPEAKER (F)

DAYLIGHT SENSOR (D)

CEILING MICROPHONE (M)

WIRELESS AP

PROJECTOR SCREEN

A/V PROJECTOR

AIR DEVICE - SUPPLY

AIR DEVICE - LINEAR SUPPLY

AIR DEVICE - RETURN

AIR DEVICE - EXHAUST

RADIANT PANEL

OCCUPANCY SENSOR (P)

SMOKE DETECTOR (S)

HEAT DETECTOR (H)

MOTION / SECURITY DETECTOR (M)

CAMERA

CLOCK (C)

SPEAKER (S)

WALL MOUNT STRIP

WALL MOUNT STRIP

EXIT LUMINAIRE

SURGICAL LIGHT/ EQUIPMENT BOOM PENDANT

NURSE CALL DOME LIGHT (N)

IV / CURTAIN TRACK

REFERENCE SYMBOLS (ARCHITECTURAL)

ROOM NAME AND NUMBER — OFFICE 1125 — ROOM NAME / ROOM NUMBER

PARTITION — A1 — PARTITION TYPE

INTERIOR DOOR ASSEMBLY — 1125A — ROOM NUMBER SERVED BY DOOR / SUFFIX ADDED IF MULTIPLE DOORS SERVE SAME ROOM

EXTERIOR DOOR ASSEMBLY — E101 — DENOTES EXTERIOR DOOR / NUMBERED SEQUENTIALLY

BORROWED LIGHT — 1125A — ROOM NUMBER / SUFFIX ADDED IF MULTIPLE OPENINGS SERVE SAME ROOM

EXTERIOR GLAZED OPENINGS — E45 — DENOTES EXTERIOR OPENING / NUMBERED SEQUENTIALLY

LOUVER — L10

SHEET NOTE — DEMOLITION / CONSTRUCTION / 1 / 4 / INTERIOR ELEVATION KEY TO MATERIAL

KEYNOTE — 042000 - UNIT MASONRY — SPECIFICATION SECTION / SPECIFIED ITEM

EQUIPMENT — DESCRIPTION — EQUIPMENT DESCRIPTION / EQ-1 — EQUIPMENT IDENTIFIER

ROOF ASSEMBLY TAG — RA-1

SOFFIT ASSEMBLY TAG — SA-1

EXTERIOR WALL ASSEMBLY TAG — WA-1

STC TAG — STC-45

ADA HANDICAPPED CLEARANCES

FINISH TAG — F / W / B

WALL FINISH TAG — P-3

CODE-REQUIRED SIGNAGE TAG — RS-1

REFERENCE SYMBOLS (ALL DISCIPLINES)

WALL SECTION — 1 / A0401 SIM — DETAIL/ SECTION NUMBER / SIMILAR INDICATION / SHEET NUMBER

BUILDING SECTION — 1 / A0401 SIM — 1 / A0401 SIM — DETAIL / SECTION NUMBER / SHEET NUMBER

DETAIL SECTION — 1/A101 SIM — DETAIL NUMBER / SHEET NUMBER

EXTERIOR ELEVATION — 22 SIM / A0401 — ELEVATION NUMBER / REFERENCE TYPE, AS NEEDED: TYP OR SIM / SHEET NUMBER

INTERIOR ELEVATION — SIM 50 50 50 50 SIM SIM SIM A101 — ELEVATION NUMBER / SHEET NUMBER

LARGE SCALE BLOWUP OF PLAN OR DETAIL — 1 / A0402 SIM — PLAN OR DETAIL NUMBER / SHEET NUMBER

LEVEL REFERENCE — LEVEL 02 118'-6" — LEVEL DESCRIPTION / LEVEL ELEVATION

NEW STRUCTURAL GRID — R — GRID REFERENCE / GRID LINE

EXISTING STRUCTURAL GRID — 2 — EXISTING GRID REFERENCE / EXISTING GRID LINE

MATCH LINE — MATCHLINE: 1 / A101 / MATCHLINE: 1 / A101 — SHEET NUMBER / MATCH LINE

REVISION — 1 — REVISION NUMBER (SHEET SPECIFIC) / CLOUDED AREA OF REVISION

NORTH ARROW — N

SPOT ELEVATION

CENTERLINE

MATERIALS

ACOUSTICAL CEILING

COMPRESSIBLE FILLER

ALUMINUM

BRICK

CONCRETE MASONRY UNIT

CONCRETE OR PRECAST

EARTH

FIBERGLASS/ SOLID SURFACE MATERIAL

FIBROUS BLANKET INSULATION (GLASS FIBER AND MINERAL WOOL)

FIBROUS BOARD INSULATION (GLASS FIBER AND MINERAL WOOL)

RIGID INSULATION

FINISHED WOOD

GRAVEL OR POROUS FILL

PLYWOOD — HORIZONTAL — VERTICAL

CORE MATERIAL

SPRAY INSULATION

SPRAY FIREPROOFING

STEEL OR IRON

STONE

TERRAZZO

WOOD FRAMING

WOOD BLOCKING OR SHIM

PLASTER AND GYPSUM BOARD

ABBREVIATIONS

AC	AIR CONDITIONING
ACC	ACCESSIBLE
ACM	ASBESTOS CONTAINING MATERIAL
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AGF	ARCHITECTURAL GLASS FLOORING
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ALT	ALTERNATE
AP	ARMOR PLATE
APC	ACOUSTICAL PANEL CEILING
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASN	ABRASIVE STAIR NOSING
ATC	ACOUSTICAL TILE CEILING
AUTO	AUTOMATIC
AWP	ACOUSTICAL WALL PANEL
BLDG	BUILDING
BLKG	BLOCKING
BRG	BEARING
BSMT	BASEMENT
C	COURSE
CFCI	CONTRACTOR FURNISHED - CONTRACTOR INSTALLED
CF	CONDUCTIVE FLOORING
CFMF	COLD-FORMED METAL FRAMING
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CLRM	CLASSROOM
CMT	CERAMIC MOSAIC TILE
CMTB	CERAMIC MOSAIC TILE BASE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
CORR	CORRIDOR
CPT	CARPET(ING)
CR	CRASH RAIL
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CUH	CABINET UNIT HEATER
CW	CASEWORK
DEMO	DEMOLISH / DEMOLITION
DEPT	DEPARTMENT
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC(AL)
EL	ELEVATION
ELEV	ELEVATOR
EM	ENTRANCE MATS
EMB	ELECTRONIC MARKER BOARD
EMER	EMERGENCY
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
ER	EPOXY RESIN
EST	ESTIMATE(D)
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXPD	EXPOSED
EXT	EXTERIOR
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FG	FOOT GRILLE
FHC	FIRE HOSE CABINET
FIN	FINISH(ED)
FLR	FLOOR
FT	FOOT/FEET
FTG	FOOTING
FURN	FURNISH(ED) / FURNISHINGS
FWP	FABRIC WRAPPED PANEL
GA	GAUGE / GAGE
GALV	GALVANIZED
GFRC	GLASS FIBER REINF CONCRETE
GFRG	GLASS FIBER REINF GYPSUM
GL	GLASS
GLMT	GLASS MOSAIC TILE
GLMU	GLASS MASONRY UNIT
GLT	GLASS TILE
GST	GLASS STAIR TREAD
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HOSP	HOSPITAL
HP	HIGH POINT
HPC	HIGH PERFORMANCE COATING
HPL	HIGH PRESSURE DECORATIVE LAMINATE
HR	HANDRAIL
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HVAC	HEATING-VENTILATING-AIR CONDITIONING
HWB	HEAT WELDING BEAD
ID	INSIDE DIAMETER
INST	INSTALL(ED)
INSUL	INSULATION / INSULATED
INT	INTERIOR
JAN	JANITOR
JT	JOINT
KIT	KITCHEN
LAB	LABORATORY
LAM	LAMINATE(D)
LAV	LAVATORY
LGT	LENGTH
LH	LEFT HAND
LIN	LINOLEUM
LP	LOW POINT
LT	LIGHT
LTWT	LIGHTWEIGHT
LVT	LUXURY VINYL TILE
MACH	MACHINE
MARB	MARBLE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MCM	METAL COMPOSITE MATERIAL
MECH	MECHANICAL
MES	METAL EDGE STRIP
MEZZ	MEZZANINE
MFR	MANUFACTURER / MANUFACTURED
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MPC	METAL PANEL CEILING
MSS	METAL SUSPENSION SYSTEM
MTL	METAL
MW	MILLWORK
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NSMF	NON-STRUCTURAL METAL FRAMING
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED - CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED - OWNER INSTALLED
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
PBD	PARTICLE BOARD
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PCONC	POLISHED CONCRETE
PERF	PERFORATE(D)
PL	PLATE
PLP	PLASTIC PANEL
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRT	POLY RESIN TILE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PLSHD	POLISHED
PMT	PORCELAIN MOSAIC TILE
PNT	PAINT(ED)
PT	PORCELAIN TILE
PTB	PORCELAIN TILE BASE
QT	QUARRY TILE
QTB	QUARRY TILE BASE
QTY	QUANTITY
R	RISER
RAD	RADIUS
RAF	RESILIENT ATHLETIC FLOORING
RBF	RUBBER FLOORING
RBRT	RUBBER TILE
RCP	REFLECTED CLG PLAN
RD	ROOF DRAIN
REF	REFER TO / REFERENCE TO
REFG	REFRIGERATOR
REINF	REINFORCED / REINFORCING
REQD	REQUIRED
RES	RESILIENT
RESB	RESILIENT BASE
REV	REVISE / REVISION
RF	RESINOUS FLOORING
RFG	ROOFING
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RSN	RESILIENT STAIR NOSING
RST	RESILIENT STAIR TREAD
RT	RESILIENT TILE
RTU	ROOF TOP UNIT
RV	RIGID VINYL
S	SEALED
SDF	STATIC DISSIPATIVE FLOORING
SECT	SECTION
SGT	STRUCTURAL GLAZED TILE
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
SM	SPECIALIZED METAL
SOG	SLAB-ON-GRADE
SP	SAFETY PAD
SPEC	SPECIFY / SPECIFICATION
SQ	SQUARE
SS	SOLID SURFACE / SURFACING
SST	STAINLESS STEEL
ST	STONE
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE / STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SWC	SPECIAL WALL COATING
T	TREAD
TB	TACK BOARD
TBD	TO BE DETERMINED
TEMP	TEMPORARY
TER	TERRAZZO
TERB	TERRAZZO BASE
TEXT	TEXTURE
THK	THICK(NESS)
TLT	TOILET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TANGENT POINT
TS	TACKABLE SURFACE
TRSLT	TRANSLUCENT
TYP	TYPICAL
T&G	TONGUE & GROOVE
UC	UNDERCOUNTER
UPH	UPHOLSTERY
UNO	UNLESS NOTED OTHERWISE
VAC	VACUUM
VCT	VINYL COMPOSITION TILE
VEST	VESTIBULE
VET	VINYL ENHANCED TILE
VIF	VERIFY IN FIELD
VNL	VINYL
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
WAF	WOOD ATHLETIC FLOORING
WC	WATER CLOSET
WCV	WALL COVERING
WD	WOOD
WDWTR	WINDOW TREATMENT
WP	WORK POINT
WPC	WOOD PANEL CEILING
WT	WEIGHT

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ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

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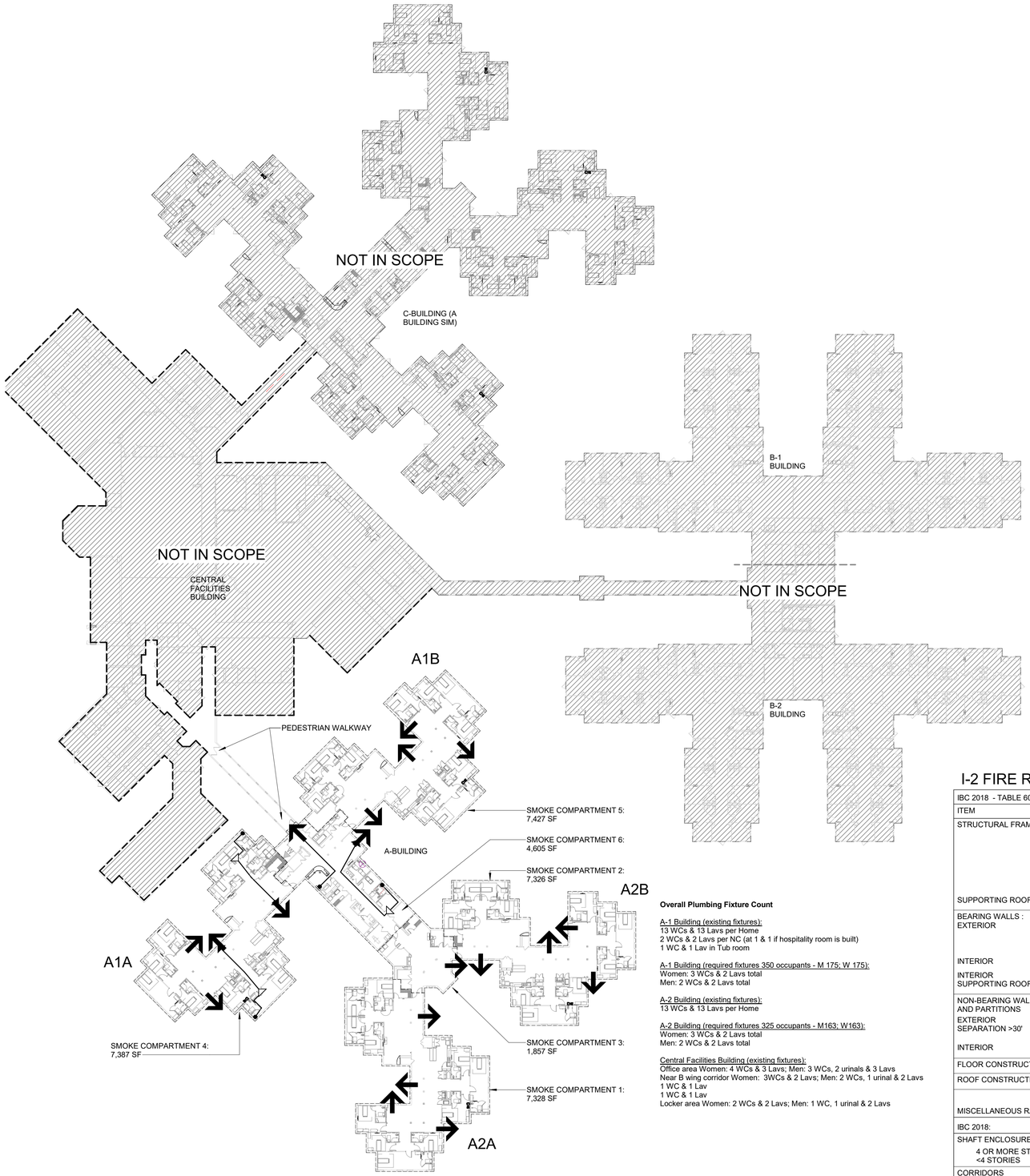
SYMBOLS & ABBREVIATIONS

SHEET NUMBER:

G-003

3 OF 93 SHEETS
06/26/2025

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1 LEVEL 01 CODE COMPLIANCE PLAN
NTS

Overall Plumbing Fixture Count

A-1 Building (existing fixtures):
13 WCs & 13 Lavs per Home
2 WCs & 2 Lavs per NC (at 1 & 1 if hospitality room is built)
1 WC & 1 Lav in Tub room

A-1 Building (required fixtures 350 occupants - M 175; W 175):
Women: 3 WCs & 2 Lavs total
Men: 2 WCs & 2 Lavs total

A-2 Building (existing fixtures):
13 WCs & 13 Lavs per Home

A-2 Building (required fixtures 325 occupants - M163; W163):
Women: 3 WCs & 2 Lavs total
Men: 2 WCs & 2 Lavs total

Central Facilities Building (existing fixtures):
Office area Women: 4 WCs & 3 Lavs; Men: 3 WCs, 2 urinals & 3 Lavs
Near B wing corridor Women: 3WCs & 2 Lavs; Men: 2 WCs, 1 urinal & 2 Lavs
1 WC & 1 Lav
1 WC & 1 Lav
Locker area Women: 2 WCs & 2 Lavs; Men: 1 WC, 1 urinal & 2 Lavs

GENERAL NOTES

1. THE FLOOR PLAN BACKGROUND FOR NEW AND EXISTING CONSTRUCTION IS SHOWN IN GRAY HALF-TONE. DESIGNATIONS FOR FIRE RATED PARTITIONS, SMOKE PARTITIONS AND OTHER CODE COMPLIANCE RELATED INFORMATION ARE SHOWN FULL TONE. REFER TO CONTRACT DRAWINGS TO DETERMINE WHICH COMPONENTS ARE NEW AND WHICH ARE EXISTING.
2. THE FIRE AND SMOKE DESIGNATIONS FOR EXISTING CONSTRUCTION ARE SHOWN FOR REFERENCE ONLY AND ARE BASED ON INFORMATION PROVIDED BY OWNER, INCLUDING EXISTING SMOKE COMPARTMENT BOUNDARIES AND SIZES. THIS INFORMATION HAS NOT BEEN INDEPENDENTLY VERIFIED BY CANNON DESIGN.
3. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF EXIT LIGHTS, EMERGENCY LIGHTS, AND FIRE ALARM SYSTEM.
4. REFER TO FIRE PROTECTION DRAWINGS FOR LOCATIONS OF SPRINKLERS AND FIRE PUMP.
5. REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE COUNTS.
6. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL LOADS.

APPLICABLE CODES, STANDARDS, AND ORDINANCES:

CODE, STANDARD, OR ORDINANCE
2018 INTERNATIONAL BUILDING CODE
2018 EXISTING BUILDING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL FUEL GAS CODE
2018 INTERNATIONAL FIRE CODE
2017 NATIONAL ELECTRICAL CODE
2018 NFPA 99 HEALTHCARE FACILITIES CODE
2018 NFPA 101 LIFE SAFETY CODE
ASHRAE 90.1-2016

GENERAL INFORMATION:

BUILDING IS FULLY SPRINKLERED	
AUTOMATIC SPRINKLER SYSTEM:	YES NFPA 13
FIRE ALARM SYSTEM:	YES NFPA 72
STANDPIPE SYSTEM:	NA
CORRIDOR SMOKE DETECTION SYSTEM G-100	YES NFPA 72

OCCUPANCY:

OCCUPANCY CLASSIFICATION:	I-2
PRIMARY USE:	INSTITUTIONAL
ACCESSORY OCCUPANCY:	A-3

CONSTRUCTION CLASSIFICATION:

CONSTRUCTION TYPE:
IBC 2018 - TYPE V-A | NFPA 220 TYPE V (111)

SMOKE/FIRE COMPARTMENT SUMMARY

MAXIMUM AREA OF EACH SMOKE COMPARTMENT: 22,500sf
ACTUAL AREA: REFER TO CODE COMPLIANCE PLAN

SEISMIC DESIGN CATEGORY D

I-2 FIRE RESISTANCE RATINGS

IBC 2018 - TABLE 601 - TYPE V-A		NFPA 220 - TABLE 4.1.1 - TYPE V/111		SUMMARY FIRE RATING
ITEM	FIRE RATING		FIRE RATING	
STRUCTURAL FRAME	1 HR	COLUMNS		
		SUPPORTING MORE THAN 1 FLOOR	1 HR	1 HR
		SUPPORTING 1 FLOOR ONLY	1 HR	1 HR
		SUPPORTING ROOF ONLY	1 HR	1 HR
		BEAMS, GIRDERS, TRUSSES AND ARCHES		
		SUPPORTING MORE THAN 1 FLOOR	1 HR	1 HR
		SUPPORTING 1 FLOOR ONLY	1 HR	1 HR
SUPPORTING ROOF ONLY	1 HR	SUPPORTING ROOF ONLY	1 HR	1 HR
BEARING WALLS :		EXTERIOR BEARING WALLS		
EXTERIOR	1 HR	SUPPORTING MORE THAN 1 FLOOR	1 HR	1 HR
		SUPPORTING 1 FLOOR ONLY	1 HR	1 HR
		SUPPORTING ROOF ONLY	1 HR	1 HR
INTERIOR	1 HR	INTERIOR BEARING WALLS		
		SUPPORTING MORE THAN 1 FLOOR	1 HR	1 HR
INTERIOR		SUPPORTING 1 FLOOR ONLY	1 HR	1 HR
SUPPORTING ROOF ONLY	1 HR	SUPPORTING ROOF ONLY	1 HR	1 HR
NON-BEARING WALLS AND PARTITIONS				
EXTERIOR SEPARATION >30'	0 HRS	EXTERIOR NON-BEARING WALLS SEPARATION >30'	0 HRS	0 HRS
INTERIOR	0 HRS	INTERIOR BEARING WALLS	0 HRS	0 HRS
FLOOR CONSTRUCTION	NA	FLOOR - CEILING ASSEMBLIES	NA	NA
ROOF CONSTRUCTION	0 HR	ROOF - CEILING ASSEMBLIES	0 HR	0 HR

MISCELLANEOUS RATINGS:

IBC 2018:		NFPA 101:		SUMMARY FIRE RATING
SHAFT ENCLOSURES		SHAFT ENCLOSURES		
4 OR MORE STORIES	NA	4 OR MORE STORIES	NA	NA
<4 STORIES	NA	<4 STORIES	NA	NA
CORRIDORS	0 HRS	CORRIDORS	0 HRS	0 HRS
VERTICAL EXIT ENCLOSURES		VERTICAL EXIT ENCLOSURES		
4 OR MORE STORIES	NA	4 OR MORE STORIES	NA	NA
<4 STORIES	NA	<4 STORIES	NA	NA
SMOKE BARRIERS	1 HR	SMOKE BARRIERS	1 HR	1 HR
SOILED LINEN ROOMS	1 HR	SOILED LINEN ROOMS	1 HR	1 HR

BUILDING AREA:

AREA CALCULATION FOR VALIDATION OF CONSTRUCTION TYPE:

AREA CALCULATION FOR I-2 OCCUPANCY:
PROPOSED CONSTRUCTION TYPE: V-A
TABLE 506.2 = 38,000 SF ALLOWABLE

RESULT: THE ALLOWABLE AREA PER FLOOR FOR THE SELECTED CONSTRUCTION TYPE IS GREATER THAN THE ACTUAL PER FLOOR AREA.

38,000 (ALLOWABLE AREA) > VARIES - SEE LIST BELOW (ACTUAL FLOOR AREA)

AREA TABULATION PER BUILDING:

A:	32,422 SF
B-1:	25,472 SF
B-2:	29,551 SF
C:	32,422 SF

ADAAG:

ADAAG requires 10% of all resident rooms to be accessible (per 223.2.1 & 805).
1. A wing resident toilet rooms: Toilet Rooms 100.1 & 112.1 are accessible 16.7%

BUILDING HEIGHT:

CODE & EDITION	MEASURE	PERMITTED FOR CONSTRUCTION TYPE	ACTUAL HEIGHT
IBC 2018	STORIES	1	1
	HEIGHT*	50	B=20, A&C=22
NFPA 101 (18.1.6.1)	STORIES	1	1
	HEIGHT*	NA	B=20, A&C=22

*MEASURED IN FEET ABOVE GRADE PLANE

MAXIMUM TRAVEL DISTANCES:

TRAVEL DISTANCES
I-2 ALLOWABLE MAX. IN ANY ROOM TO EXIT ACCESS DOOR = 50'
I-2 ALLOWABLE MAX. IN SLEEPING SUITE TO EXIT ACCESS DOOR = 100'
ACTUAL MAXIMUM - REFER TO PLANS

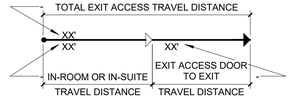
COMMON PATH OF TRAVEL (CP)
ALLOWABLE MAXIMUM = 75'
ACTUAL MAXIMUM - REFER TO PLANS

EXIT ACCESS TRAVEL DISTANCE
I-2 ALLOWABLE MAXIMUM = 200' (50' WITHIN SLEEPING ROOM)
ACTUAL MAXIMUM - REFER TO PLANS

DEAD ENDS
A-3 & I-2 USE, ALLOWABLE MAXIMUM = 20'

LEGEND

- ABLE TO RESIST PASSAGE OF SMOKE
- 1 HOUR FIRE
- 1 HOUR FIRE / SMOKE
- 2 HOUR FIRE
- 2 HOUR FIRE / SMOKE
- SMOKE COMPARTMENT (1HR FIRE / SMOKE)
- FEC — FIRE EXTINGUISHER CABINET
- FE — FIRE EXTINGUISHER
- FHV — FIRE HOSE VALVE CABINET OR STANDPIPE CONNECTION
- ANN — FIRE ALARM ANNUNCIATOR PANEL
- FIRE DEPARTMENT CONNECTION
- EXIT STAIR
- EXIT
- AREA OF RESCUE
- EXIT ACCESS CORRIDOR
- EGRESS PATH/ TRAVEL DISTANCE



1125A EXIT
HE 1125A HORIZONTAL EXIT
D 1125A EXIT DISCHARGE

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ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

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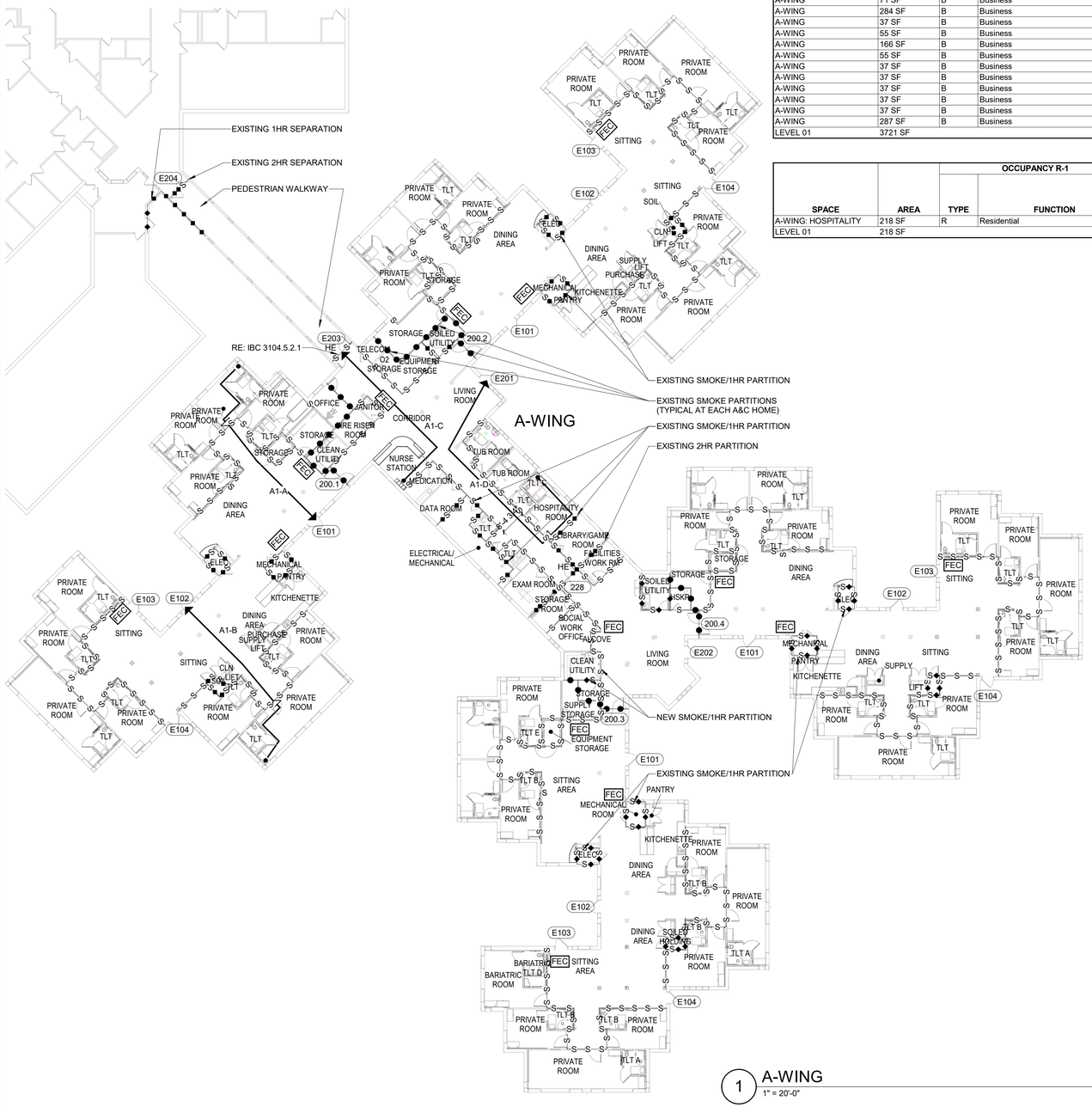
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CHECKED BY: CD
DESIGNED BY: CD

SHEET TITLE:
CODE COMPLIANCE - OVERALL

SHEET NUMBER:
G-100

4 OF 93 SHEETS
06/26/2025

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1 A-WING
1" = 20'-0"

SPACE	AREA	OCCUPANCY B TYPE	FUNCTION	SF/OCC	FIXED OCC #	TOTAL OCCUPANTS
A-WING	37 SF	B	Business	100	0	1
A-WING	47 SF	B	Business	100	0	1
A-WING	449 SF	B	Business	100	0	5
A-WING	536 SF	B	Business	100	0	6
A-WING	194 SF	B	Business	100	0	2
A-WING	543 SF	B	Business	100	0	6
A-WING	43 SF	B	Business	100	0	1
A-WING	50 SF	B	Business	100	0	1
A-WING	50 SF	B	Business	100	0	1
A-WING	50 SF	B	Business	100	0	1
A-WING	43 SF	B	Business	100	0	1
A-WING	43 SF	B	Business	100	0	1
A-WING	283 SF	B	Business	100	0	3
A-WING	60 SF	B	Business	100	0	1
A-WING	56 SF	B	Business	100	0	1
A-WING	37 SF	B	Business	100	0	1
A-WING	55 SF	B	Business	100	0	1
A-WING	71 SF	B	Business	100	0	1
A-WING	284 SF	B	Business	100	0	3
A-WING	37 SF	B	Business	100	0	1
A-WING	55 SF	B	Business	100	0	1
A-WING	166 SF	B	Business	100	0	2
A-WING	55 SF	B	Business	100	0	1
A-WING	37 SF	B	Business	100	0	1
A-WING	37 SF	B	Business	100	0	1
A-WING	37 SF	B	Business	100	0	1
A-WING	37 SF	B	Business	100	0	1
A-WING	37 SF	B	Business	100	0	1
A-WING	287 SF	B	Business	100	0	3
LEVEL 01	3721 SF					52

SPACE	AREA	OCCUPANCY R-1 TYPE	FUNCTION	SF/OCC	FIXED OCC #	TOTAL OCCUPANTS
A-WING: HOSPITALITY	218 SF	R	Residential	200	0	2
LEVEL 01	218 SF					2

SPACE	AREA	OCCUPANCY I-2 TYPE	FUNCTION	SF/OCC	FIXED OCC #	TOTAL OCCUPANTS
A-WING	1130 SF	I-s	Institutional - sleeping	120	0	10
A-WING	1449 SF	I-s	Institutional - sleeping	120	0	13
A-WING	1448 SF	I-s	Institutional - sleeping	120	0	13
A-WING	1080 SF	I-s	Institutional - sleeping	120	0	9
A-WING	1081 SF	I-s	Institutional - sleeping	120	0	10
A-WING	124 SF	I-s	Institutional - sleeping	120	0	2
A-WING	1158 SF	I-s	Institutional - sleeping	120	0	10
A-WING	1449 SF	I-s	Institutional - sleeping	120	0	13
A-WING	1133 SF	I-s	Institutional - sleeping	120	0	10
A-WING	1449 SF	I-s	Institutional - sleeping	120	0	13
A-WING	1132 SF	I-s	Institutional - sleeping	120	0	10
A-WING	1158 SF	I-s	Institutional - sleeping	120	0	10
A-WING	1158 SF	I-s	Institutional - sleeping	120	0	10
LEVEL 01	14946 SF					131

SPACE	AREA	OCCUPANCY A-1 TYPE	FUNCTION	SF/OCC	FIXED OCC #	TOTAL OCCUPANTS
A-WING	111 SF	A-u	Assembly - unconcentrated	15	0	8
A-WING	459 SF	A-u	Assembly - unconcentrated	15	0	31
A-WING	531 SF	A-u	Assembly - unconcentrated	15	0	36
A-WING	158 SF	A-u	Assembly - unconcentrated	15	0	11
A-WING	271 SF	A-u	Assembly - unconcentrated	15	0	19
A-WING	531 SF	A-u	Assembly - unconcentrated	15	0	36
A-WING	176 SF	A-u	Assembly - unconcentrated	15	0	12
A-WING	299 SF	A-u	Assembly - unconcentrated	15	0	20
A-WING	488 SF	A-u	Assembly - unconcentrated	15	0	33
A-WING	545 SF	A-u	Assembly - unconcentrated	15	0	37
A-WING	485 SF	A-u	Assembly - unconcentrated	15	0	33
A-WING	271 SF	A-u	Assembly - unconcentrated	15	0	19
A-WING	112 SF	A-u	Assembly - unconcentrated	15	0	8
A-WING	485 SF	A-u	Assembly - unconcentrated	15	0	33
A-WING	531 SF	A-u	Assembly - unconcentrated	15	0	36
A-WING	112 SF	A-u	Assembly - unconcentrated	15	0	8
A-WING	355 SF	A-u	Assembly - unconcentrated	15	0	24
A-WING	485 SF	A-u	Assembly - unconcentrated	15	0	33
A-WING	271 SF	A-u	Assembly - unconcentrated	15	0	19
A-WING	112 SF	A-u	Assembly - unconcentrated	15	0	8
LEVEL 01	6786 SF					462

A WING CODE COMPLIANCE OCCUPANCY AREA

I-2:	21233 SF	132 OCC
A-3:	7016 SF	478 OCC
B:	3931 SF	54 OCC
Residential:	242 SF	2 OCC
TOTAL:	32,422 SF	666 OCC

EGRESS CAPACITY - E2XX DOORS (1X)

DOOR NO.	WIDTH	WIDTH/OCC	OCC CAPACITY	OCC LOAD	COMPLIES
E201	4' - 0"	0.20	240	40	Yes
E202	4' - 0"	0.20	240	40	Yes
E203	7' - 4"	0.20	439		

EGRESS CAPACITY - E1XX DOORS (4X)

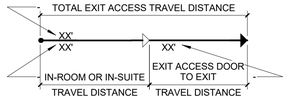
DOOR NO.	WIDTH	WIDTH/OCC	OCC CAPACITY	OCC LOAD	COMPLIES
E101	4' - 0"	0.20	240	40	Yes
E102	4' - 0"	0.20	240	40	Yes
E103	4' - 0"	0.20	240	40	Yes
E104	3' - 8"	0.20	220	40	Yes

Code Compliance - Egress Path A-WING

Comments	Egress Distance
A1-A	68' - 11 7/8"
A1-A: 6	68' - 11 7/8"
A1-B	68' - 2"
A1-B: 6	68' - 2"
A1-C	59' - 2 1/2"
A1-C: 2	59' - 2 1/2"
A1-D	98' - 10 1/4"
A1-D: 5	98' - 10 1/4"

LEGEND

- ABLE TO RESIST PASSAGE OF SMOKE
- 1 HOUR FIRE
- 1 HOUR FIRE / SMOKE
- 2 HOUR FIRE
- 2 HOUR FIRE / SMOKE
- SMOKE COMPARTMENT (1HR FIRE / SMOKE)
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- EXIT
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D 1125A EXIT DISCHARGE

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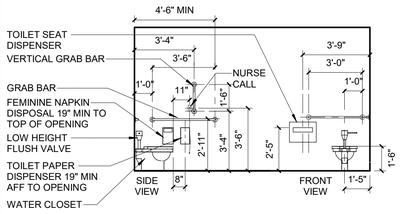
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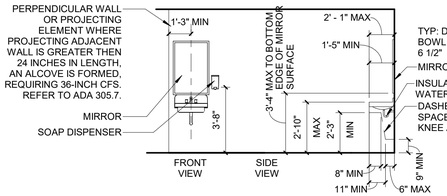
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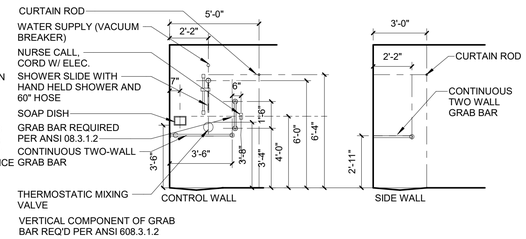
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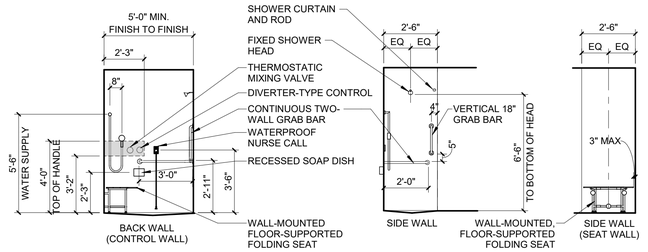
FLOOR MOUNTED TOILET WITH GRAB BARS



LAVATORY

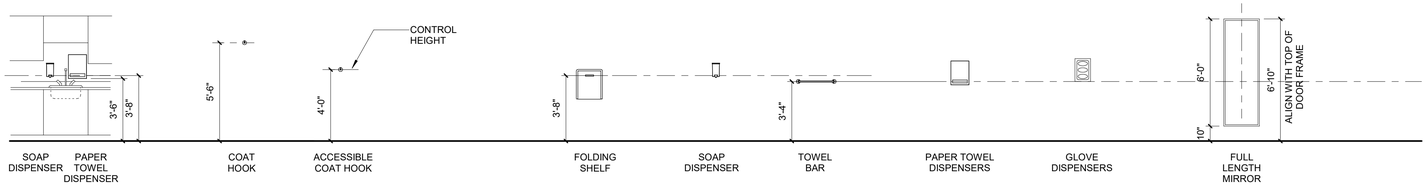


TYPICAL IN-ROOM SHOWER

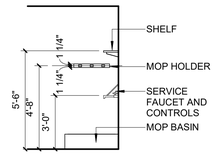


30" x 60" ROLL IN TYPE SHOWER

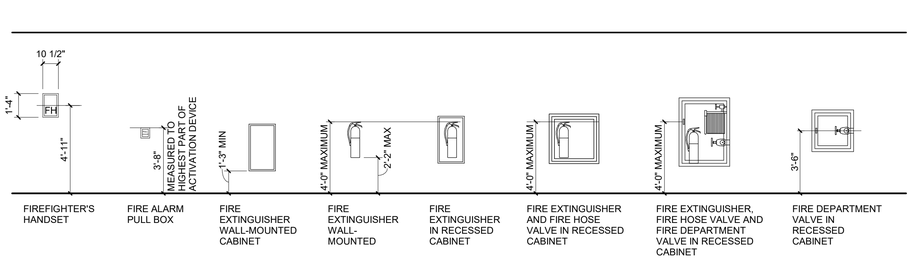
ACCESSORIES AND PLUMBING



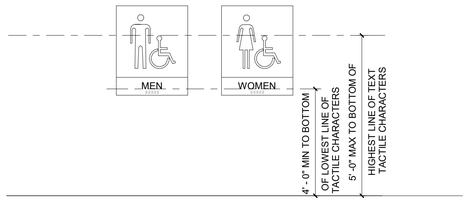
EQUIPMENT AND ACCESSORIES



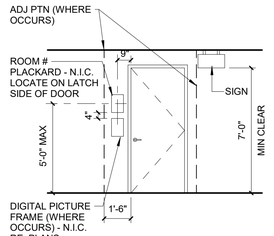
JANITOR CLOSET



FIRE PROTECTION EQUIPMENT



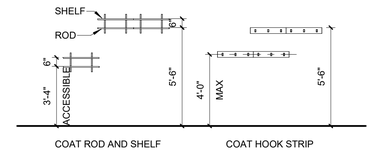
CODE SIGNAGE ADA DETAILS



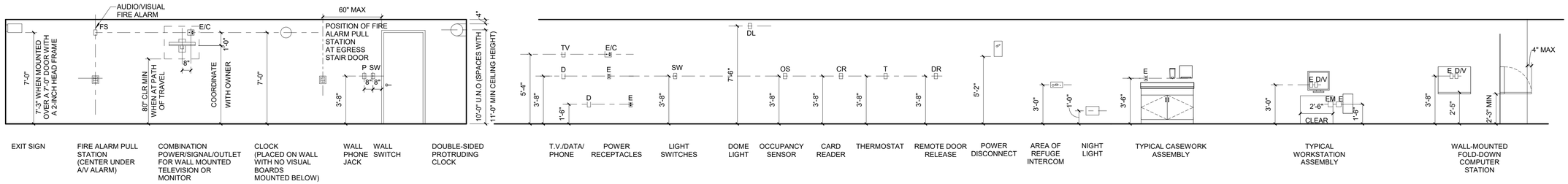
SPACE SIGNAGE

NOTE: CLOSET 4'-0" WIDE AND LESS: ALL COAT STORAGE (ROD AND SHELF) TO BE MOUNTED PER ACCESSIBILITY REQUIREMENTS.

CLOSET GREATER THAN 4'-0" WIDE: 2'-0" LENGTH OF COAT STORAGE (ROD AND SHELF) TO BE MOUNTED PER ACCESSIBILITY REQUIREMENTS.



COAT HANGING



ELECTRICAL CONTROL DEVICES

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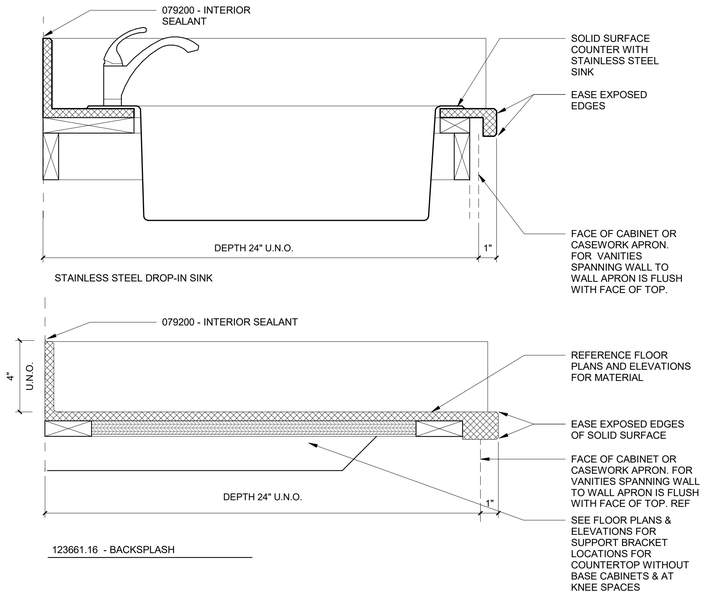
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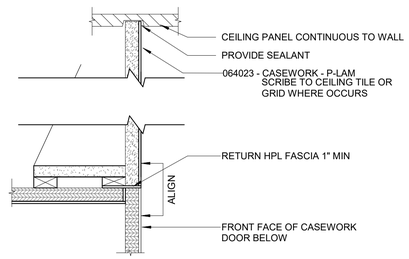
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6 OF 93 SHEETS
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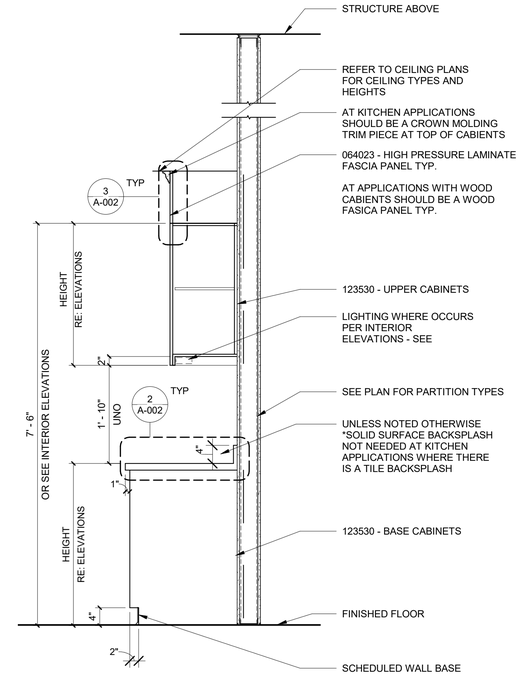
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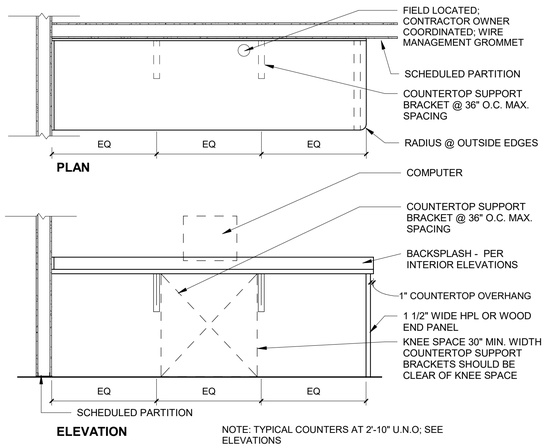
2 COUNTERTOP DETAILS
3" = 1'-0"



3 HPL @ SOFFIT TYP
3" = 1'-0"

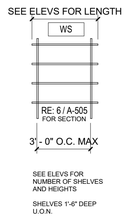


4 TYPICAL CASEWORK SECTION
3/4" = 1'-0"



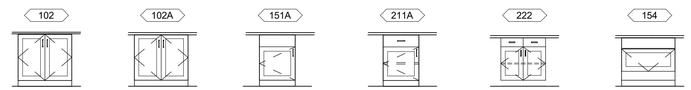
NOTE: TYPICAL COUNTERS AT 2'-10" U.N.O; SEE ELEVATIONS

1 TYP COUNTERTOP SUPPORT
1/2" = 1'-0"



WALL MTD SHELVING

FOR FIXED CASEWORK SEE SPEC. SECTION 123530
TYPICAL BASE CABINETS TO BE 15" DEEP, 35" HIGH UNDER 36" HIGH COUNTERTOP
BASE CABINETS AT KITCHENETTE (ROOM # 872) TO BE 34.5" HIGH.
FOR TYPICAL SECTION DETAIL RE: 4 / A-002



BASE CABINET: WOOD - (WDC-2) (2) PANELED HINGED DOUBLE DOORS SINGLE CUPBOARD W/ ADJUSTABLE SHELF
IF UNIT IS LESS THAN 25" WIDE, PROVIDE SINGLE DOOR

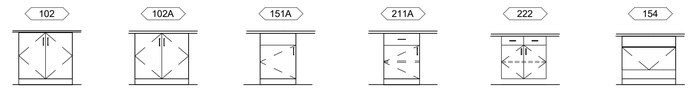
BASE CABINET: WOOD - (WDC-2) (2) PANELED HINGED DOUBLE DOORS SINGLE CUPBOARD W/ TRASH & RECYCLE COMPARTMENT REFER TO DETAIL

SINK BASE CABINET: WOOD - (WDC-2) 6 IN. HIGH (NOMINAL) APRON STRIP TO MAKE FLUSH WITH PANELED DOOR SINGLE COMPARTMENT NO SHELVES
IF UNIT IS LESS THAN 25" WIDE, PROVIDE SINGLE DOOR

BASE CABINET: WOOD - (WDC-2) (1) 6" HIGH DRAWER (2) HINGED PANELED DOUBLE DOORS SINGLE CUPBOARD W/ ADJUSTABLE SHELF
IF UNIT IS LESS THAN 25" WIDE, PROVIDE SINGLE DOOR

BASE CABINET: WOOD - (WDC-2) (2) HINGED PANELED DOUBLE DOORS (2) DRAWERS
IF UNIT IS LESS THAN 25" WIDE, PROVIDE SINGLE DOOR

BASE CABINET: WOOD - (WDC-2) KNEE SPACE WITH REMOVABLE PANEL



BASE CABINET: PLASTIC LAMINATE (HPL) (2) HINGED DOUBLE DOORS SINGLE CUPBOARD W/ ADJUSTABLE SHELF
IF UNIT IS LESS THAN 25" WIDE, PROVIDE SINGLE DOOR

BASE CABINET: PLASTIC LAMINATE (HPL) (2) HINGED DOUBLE DOORS SINGLE CUPBOARD W/ TRASH & RECYCLE COMPARTMENT REFER TO DETAIL

SINK BASE CABINET: PLASTIC LAMINATE (HPL) 6 IN. HIGH (NOMINAL) APRON STRIP TO MAKE FLUSH WITH DOOR SINGLE COMPARTMENT NO SHELVES
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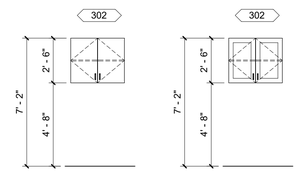
BASE CABINET: PLASTIC LAMINATE (HPL) (1) 6" HIGH DRAWER (2) HINGED DOUBLE DOORS SINGLE CUPBOARD W/ ADJUSTABLE SHELF
IF UNIT IS LESS THAN 25" WIDE, PROVIDE SINGLE DOOR

BASE CABINET: PLASTIC LAMINATE (HPL) (2) HINGED DOUBLE DOORS (2) DRAWERS
IF UNIT IS LESS THAN 25" WIDE, PROVIDE SINGLE DOOR

BASE CABINET: PLASTIC LAMINATE (HPL) KNEE SPACE WITH REMOVABLE PANEL

CABINETS - BASE

FOR FIXED CASEWORK SEE SPEC. SECTION 123530
TYPICAL UPPER CABINETS TO BE 15" DEEP, 30" HIGH, AND 60" AFF.
UPPER CABINETS AT KITCHENETTE TO BE 12" DEEP.
FOR TYPICAL CASEWORK SECTION RE: 4 / A-002



UPPER CABINET: PLASTIC LAMINATE (HPL) DOORS WITH (1) ADJUSTABLE SHELF
IF UNIT IS LESS THAN 25" WIDE, PROVIDE SINGLE DOOR.

UPPER CABINET: WOOD - (WDC-1) PANELED DOORS WITH (1) ADJUSTABLE SHELF
IF UNIT IS LESS THAN 25" WIDE, PROVIDE SINGLE DOOR.

CABINETS - UPPER

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DEPARTMENT OF
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ST. LOUIS VETERANS
HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

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ISSUE DATE: 06/26/2025

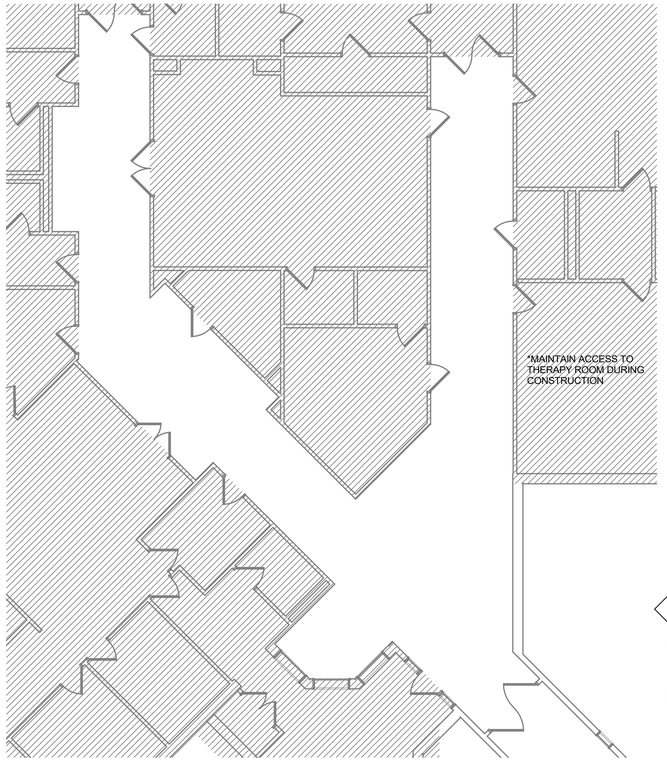
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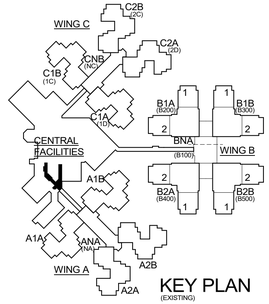
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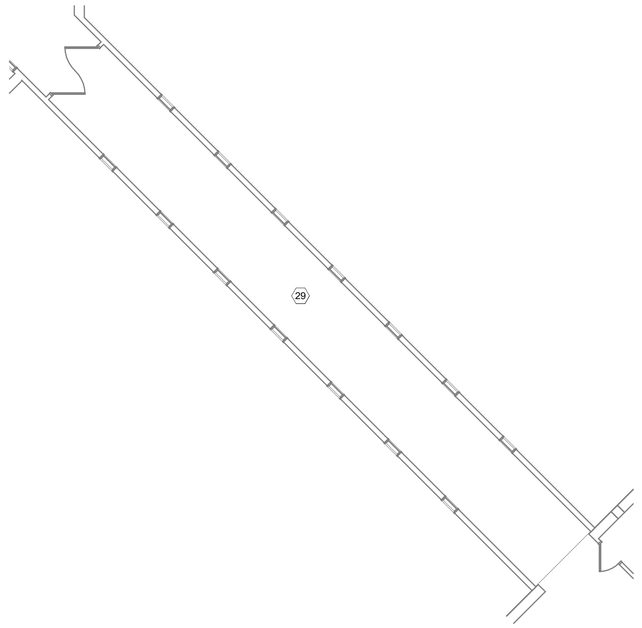
1 DEMOLITION PLAN - CENTRAL FACILITIES CORRIDOR
1/8" = 1'-0"



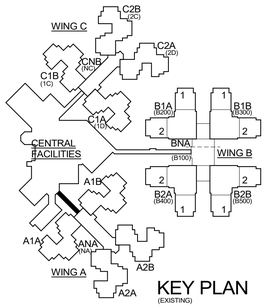
GENERAL NOTES - DEMOLITION

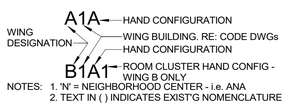
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4. REFER TO PLUMBING DOCUMENTS FOR TRENCHING AT NEW FIXTURES
5. SLAB DEMOLITION REQUIRED AT NEW FOOTINGS. REFER TO STRUCTURAL DOCUMENTS FOR NEW STRUCTURAL COLUMNS AND SHEAR WALLS THAT REQUIRE NEW FOOTINGS
6. REPAIR AND FINISH WALLS, FLOORS, CEILINGS, TO REMAIN AT AREAS AFFECTED BY DEMOLITION. THIS INCLUDES RESTORING THE INTEGRITY OF EXISTING FIRE RATED PARTITIONS AND CEILINGS THAT HAVE BEEN AFFECTED BY DEMOLITION.
7. COORDINATE WITH OWNER FOR ALL ITEMS TO BE REMOVED AND SALVAGED FOR REUSE. COORD. W/ OWNER LOCATION FOR TEMP. STORAGE OF THESE ITEMS.
8. PROTECT OWNER'S EQUIPMENT TO REMAIN DURING DEMOLITION.
9. MAINTAIN FIRE RATINGS AT ALL RATED WALLS TO REMAIN. RE: CODE COMPLIANCE DWGS FOR EXISTING RATED ENCLOSURES
10. REMOVE ALL WALL BASES AT EXTERIOR & INTERIOR WALLS LOCATED WITHIN PROJECT SCOPE.
11. ALL EXISTING DEDICATION SIGNAGE IN A WING TO BE REMOVED AND RETURNED TO OWNER.
12. REFER TO DOOR SCHEDULE FOR ADDITIONAL DEMOLITION INFORMATION CONCERNING EXISTING DOORS & FRAMES.
13. REMOVE ALL WALLCOVERING OR WALLCOVERING BORDERS LOCATED WITHIN PROJECT SCOPE.
14. REMOVE ALL FLOOR FINISHES WITHIN PROJECT SCOPE UNLESS NOTED OTHERWISE
15. REMOVE ALL WALL PROTECTION INCLUDING HANDRAILS, BUMPER RAILS WITHIN PROJECT SCOPE UNLESS NOTED OTHERWISE
16. REFER TO TYPICAL SECTIONS ON A-300 FOR DIAGRAM OF EXISTING RATED CEILING AT BOTTOM OF TRUSSES. MAINTAIN 1HR RATED SEPARATION. ALERT ARCHITECT OF ANY EXISTING BREACHES.
17. TEMPORARILY SHORE TRUSSES AT LOCATIONS WHERE EXISTING LOAD BEARING WALLS WILL BE DEMOLISHED UNTIL NEW FOOTINGS, COLUMNS, AND HEADERS ARE IN PLACE.
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19. REMOVE ALL CEILING TILES FROM EXISTING TO REMAINING CEILING GRIDS
20. REPLACE ALL CEILING TILE IN EXISTING TO REMAIN APC CEILING GRIDS.

KEYED NOTES - DEMOLITION PLAN	XX
Number	Description
1	REFER TO STRUCTURAL FOR SLAB DEMOLITION AT NEW FOOTING
2	EXISTING VENDING MACHINES TO BE REMOVED DURING DEMOLITION AND REINSTALLED DURING NEW CONSTRUCTION
4	LOCATION OF NEW TOILET ROOM. REMOVE SLAB SO NEW FLOOR CAN SLOPE TO NEW DRAIN - RE: NEW CONSTRUCTION PLANS & 9/A-503
5	GRIND EXISTING SLAB FOR NEW SHOWER & TRENCH TO NEW DRAIN. RE: PLUMBING
6	FILL ABANDONED PLUMBING RE:035416
7	REMOVE EXISTING FIRE BLANKET CABINET
8	CUT NEW OPENING IN EXISTING SHEARWALL. RE: STRUCT FOR NEW FRAMING
9	REMOVE EXISTING OVERHEAD COILING DOOR
10	REMOVE EXISTING MILLWORK AS INDICATED
11	DEMOLISH EXISTING KNEE WALL
12	TRENCH EXISTING SLAB FOR PLUMBING. RE: PLUMBING DRAWINGS
13	SAW CUT & REMOVE EXISTING CLADDING AT LOCATION OF NEW WALL. REFER TO NEW PLANS & DETAILS
14	REMOVE EXISTING VINYL SIDING AS INDICATED. REFER TO NEW PLANS & DETAILS
15	REMOVE EXISTING FEC
17	REMOVE EXISTING LOCKERS
18	EXISTING LOCKERS TO REMAIN
19	EXISTING CASEWORK TO REMAIN
20	DEMOLISH PORTION OF WALL ADJACENT TO STRUCTURAL WALL AS INDICATED. CONFIRM THAT NO PORTION OF LOAD BEARING WALL OR ANY CONNECTION TO TRUSSES IS REMOVED.
21	STRUCTURAL WALL TO REMAIN
22	DEMO AT EXISTING WALL FOR BLOCKING AND WIRING AT WALL MOUNTED ITEMS RE:6/A-503
23	RELOCATE FIRE SPRINKLER DRAIN LINE
24	DEMO EXISTING ELECTRICAL PANELS
25	EXISTING WALL-MOUNTED COMPUTER STATION. PROTECT AND STORE DURING CONSTRUCTION, TO BE REINSTALLED AT NEW LOCATION
26	EXISTING MECHANICAL ROOM TO REMAIN, PROTECT IN PLACE
28	NO WORK IN THIS AREA
29	HANDRAIL/CRASH RAIL ASSEMBLY TO REMAIN - LOWER CRASH RAIL TO BE REMOVED
30	ENLARGE EXISTING LOUVER OPENING (+/-8'-6"AFF) TO ACCOMMODATE NEW 14X6 LOUVER BETWEEN EXISTING STUDS (V.I.F.). RE: MECH & 4/A-300
31	NEW 14X6 LOUVER OPENING (+/-8'-6"AFF) - FIT BETWEEN EXISTING STUDS (V.I.F.). RE: PLANS, MECH & 4/A-300
32	REMOVE EXISTING PAPER TOWEL DISPENSER AND OTHER ACCESSORIES AS REQUIRED. SAVE FOR RE-INSTALLATION. EXISTING LIGHT SWITCH TO BE RELOCTED.
33	DEMO EXISTING WALL AND FLOOR TILE AND EXISTING SUBSTRATE BEHIND WALL TILE. REMOVE EXISTING LAVATORY AND TOILET. SAVE FOR REINSTALLATION. REMOVE REMAINING ACESSORIES AS REQUIRED FOR NEW SURFACE COATINGS AND SAVE FOR RE-INSTALLATION.
34	CUT AND CAP EXISTING HOSE-BIB PENESTRATION. LEAVE THRU-WALL PIPE IN PLACE. REMOVE HOSE CONNCECTION AND CAP.
35	CUT AND CAP EXISTING SPRINKLER DRAIN PIPE PENESTRATION. LEAVE THRU-WALL PIPE IN PLACE.



2 DEMOLITION PLAN - A WING CORRIDOR
1/8" = 1'-0"





NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE

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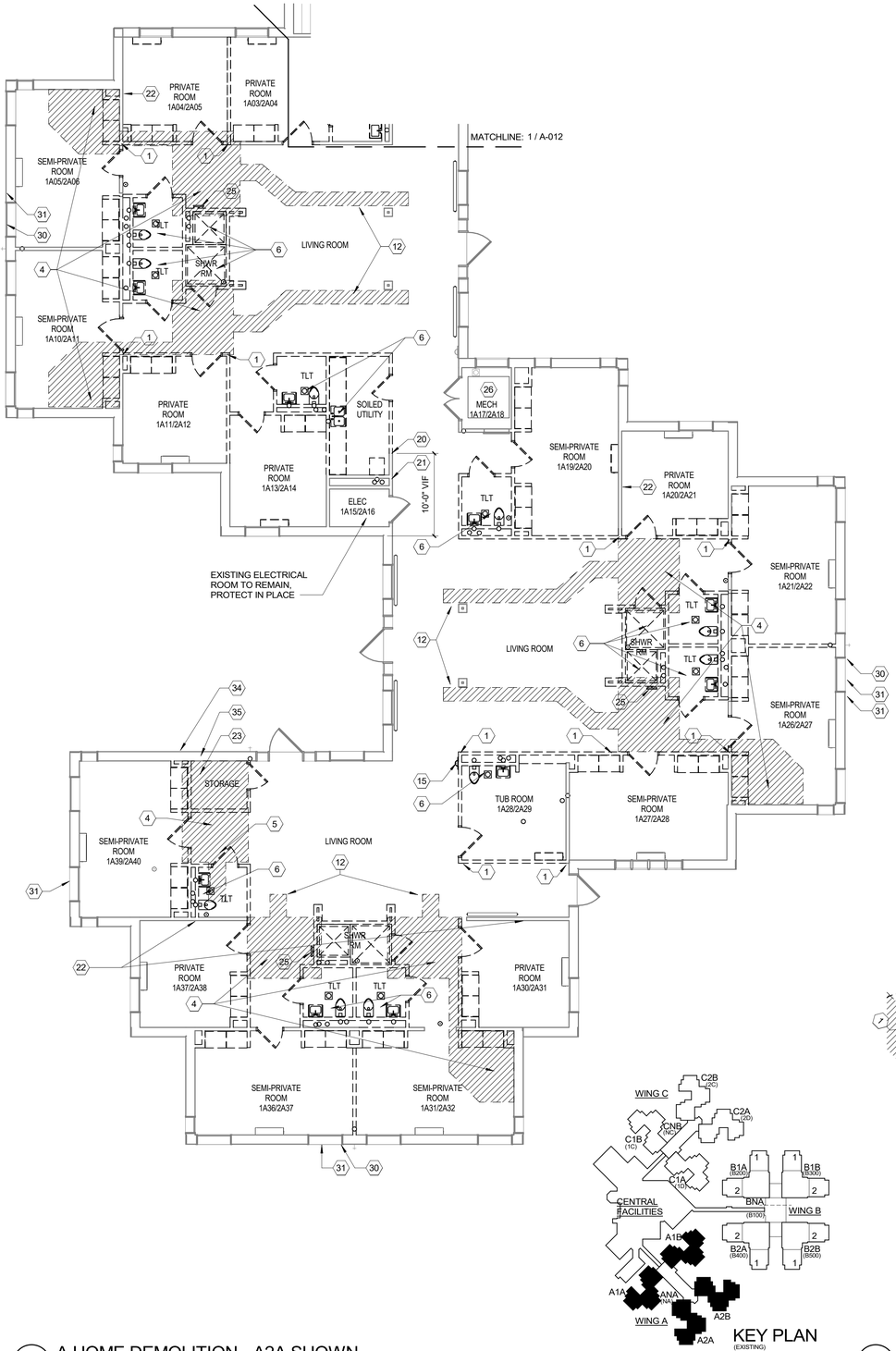
DEMOLITION PLANS - CENTRAL FACILITIES

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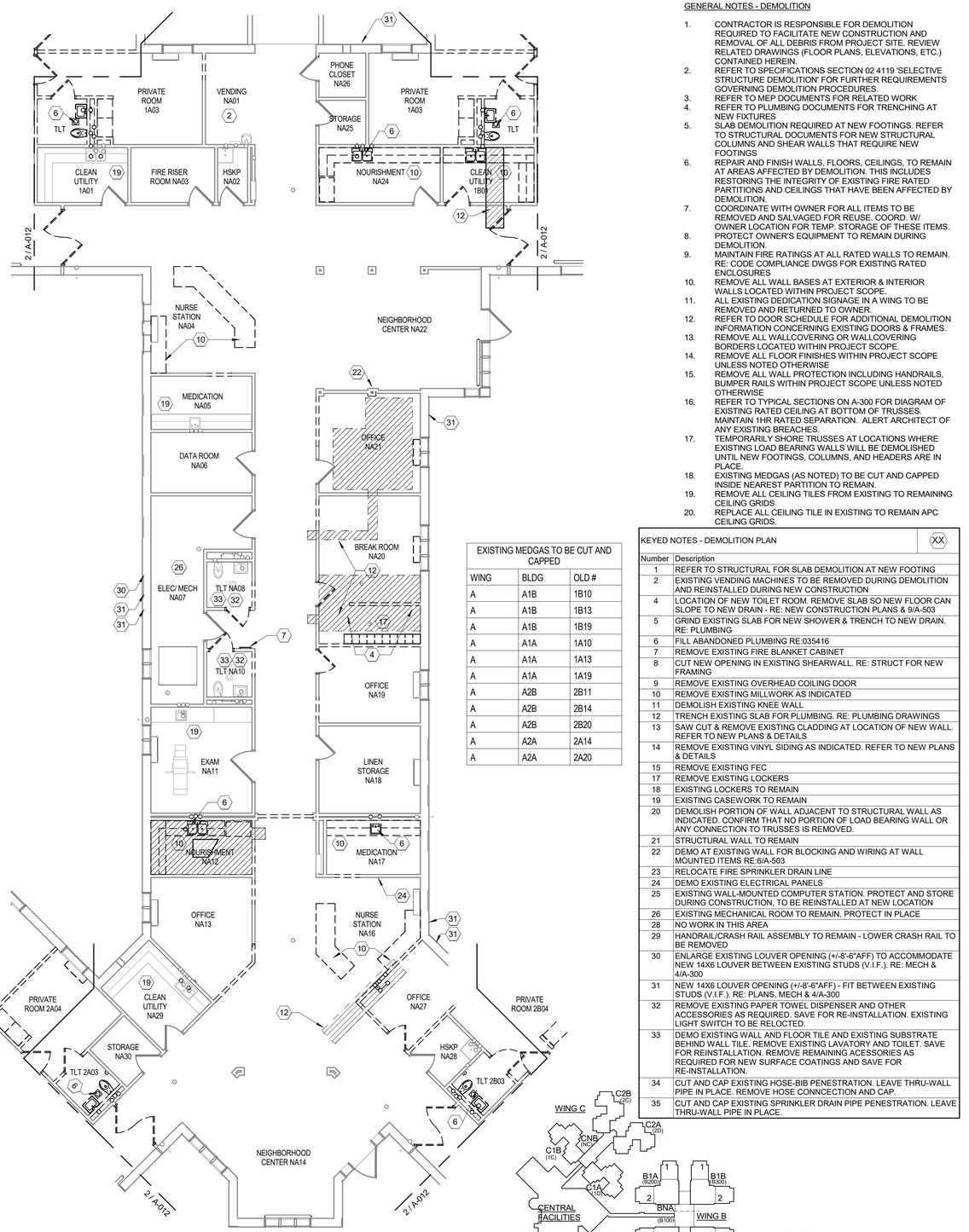
A-011

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06/26/2025

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2 A HOME DEMOLITION - A2A SHOWN
1/8" = 1'-0"



1 A NEIGHBORHOOD DEMOLITION - ANA SHOWN
1/8" = 1'-0"

EXISTING MEDGAS TO BE CUT AND CAPPED		
WING	BLDG	OLD #
A	A1B	1B10
A	A1B	1B13
A	A1B	1B19
A	A1A	1A10
A	A1A	1A13
A	A1A	1A19
A	A2B	2B11
A	A2B	2B14
A	A2B	2B20
A	A2A	2A14
A	A2A	2A20

KEYED NOTES - DEMOLITION PLAN (XX)

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DESIGNED BY: CD

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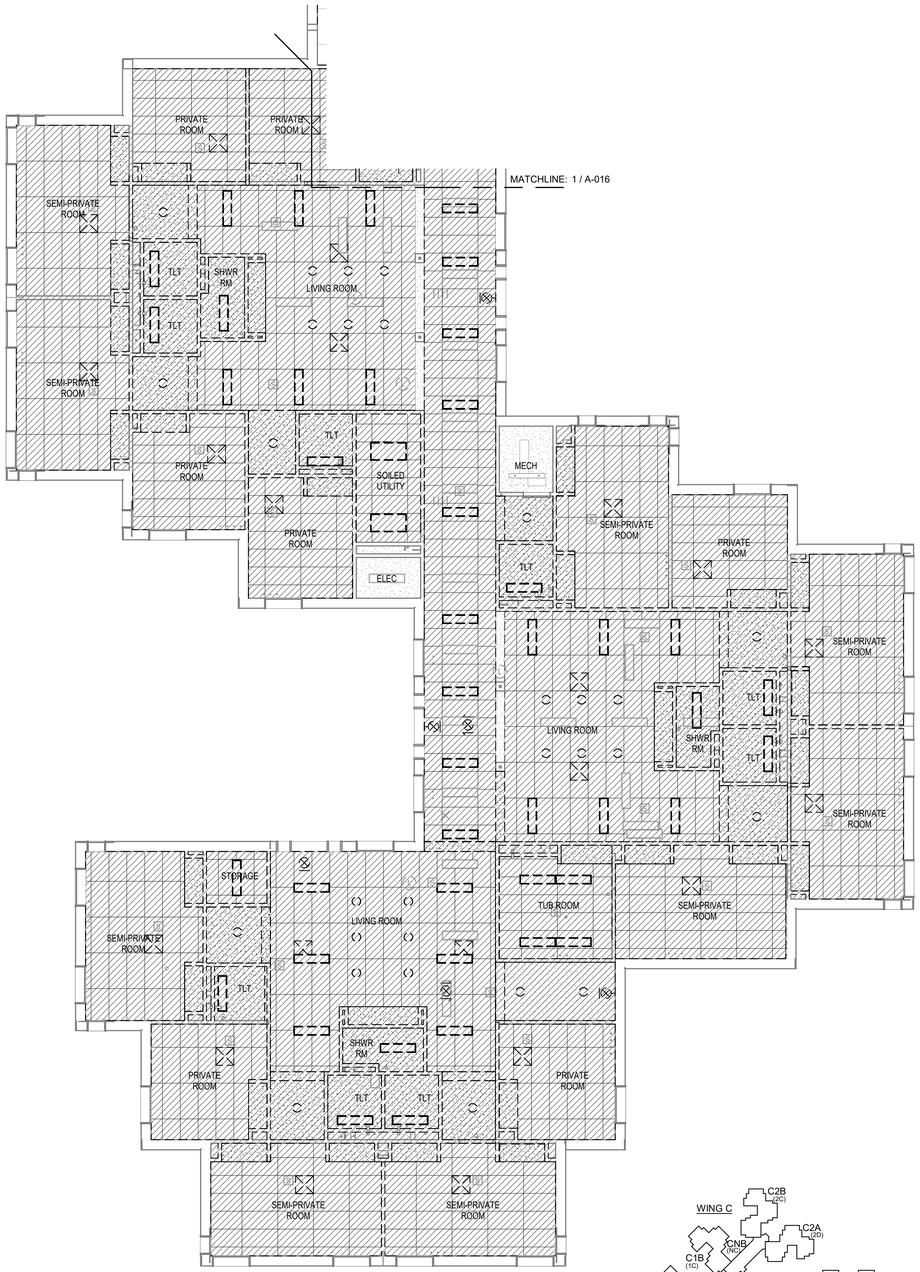
DEMOLITION PLANS - A WING

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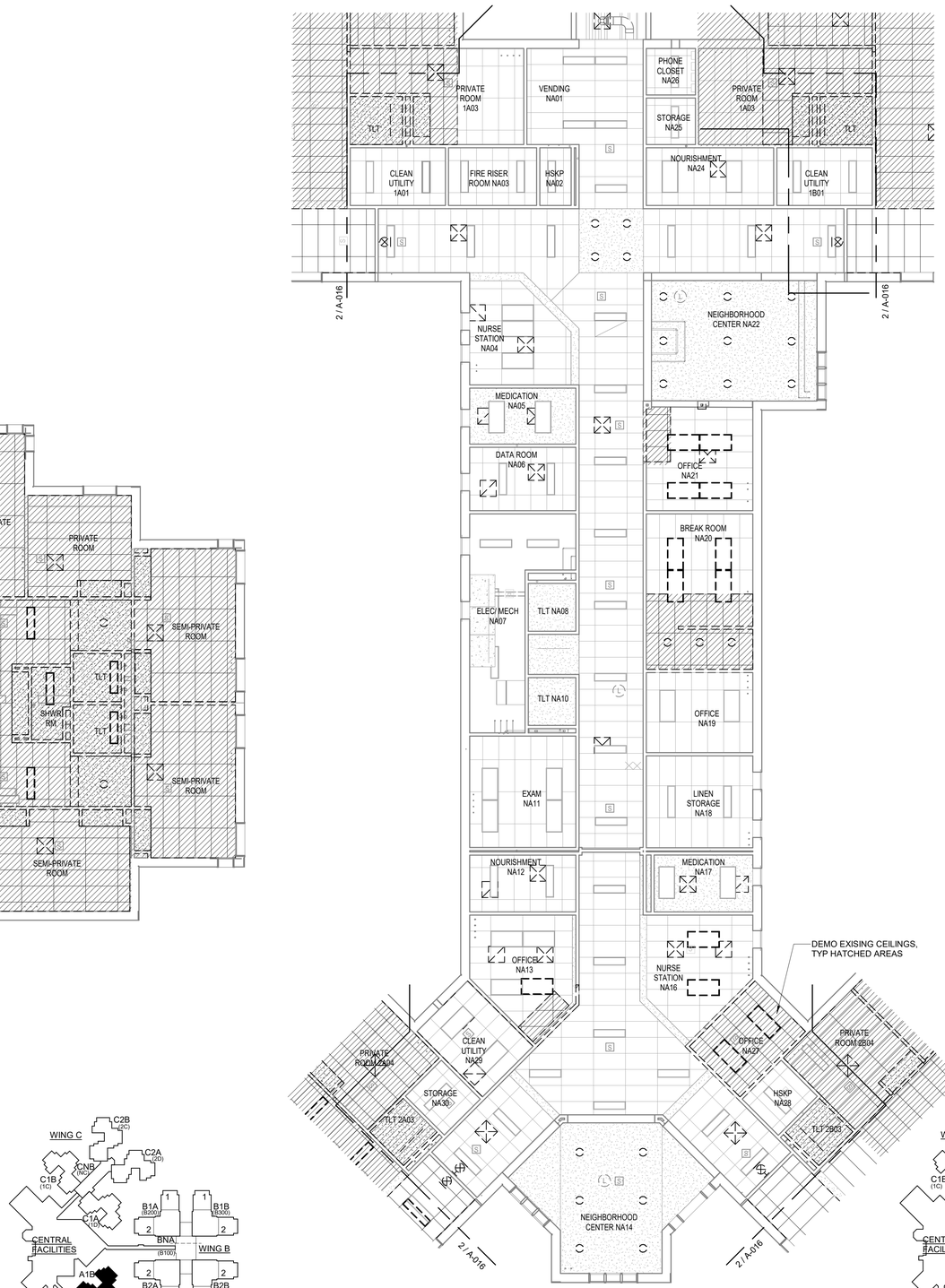
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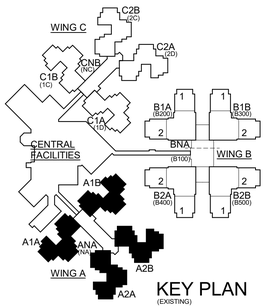
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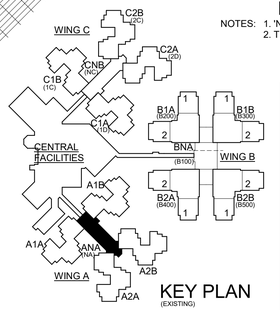


2 DEMOLITION RCP - A HOME, A2A SHOWN
1/8" = 1'-0"



1 DEMOLITION RCP - A NBHD CTR- ANA
1/8" = 1'-0"





A1A — HAND CONFIGURATION
WING DESIGNATION — WING BUILDING. RE: CODE DWGs
HAND CONFIGURATION
B1A1 — ROOM CLUSTER HAND CONFIG - WING B ONLY

NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE

CEILING TYPES

- 2' X 2' APC
- 2' X 4' APC
- GWB
- DEMOLISH BOTH CEILING GRID AND TILES

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2. REFER TO SPECIFICATIONS SECTION 02 4119 'SELECTIVE STRUCTURE DEMOLITION' FOR FURTHER REQUIREMENTS GOVERNING DEMOLITION PROCEDURES.
3. REFER TO MEP DOCUMENTS FOR RELATED WORK
4. REFER TO PLUMBING DOCUMENTS FOR TRENCHING AT NEW FIXTURES
5. SLAB DEMOLITION REQUIRED AT NEW FOOTINGS. REFER TO STRUCTURAL DOCUMENTS FOR NEW STRUCTURAL COLUMNS AND SHEAR WALLS THAT REQUIRE NEW FOOTINGS
6. REPAIR AND FINISH WALLS, FLOORS, CEILINGS, TO REMAIN AT AREAS AFFECTED BY DEMOLITION. THIS INCLUDES RESTORING THE INTEGRITY OF EXISTING FIRE RATED PARTITIONS AND CEILINGS THAT HAVE BEEN AFFECTED BY DEMOLITION.
7. COORDINATE WITH OWNER FOR ALL ITEMS TO BE REMOVED AND SALVAGED FOR REUSE. COORD. W/ OWNER LOCATION FOR TEMP. STORAGE OF THESE ITEMS.
8. PROTECT OWNER'S EQUIPMENT TO REMAIN DURING DEMOLITION.
9. MAINTAIN FIRE RATINGS AT ALL RATED WALLS TO REMAIN. RE: CODE COMPLIANCE DWGS FOR EXISTING RATED ENCLOSURES
10. REMOVE ALL WALL BASES AT EXTERIOR & INTERIOR WALLS LOCATED WITHIN PROJECT SCOPE.
11. ALL EXISTING DEDICATION SIGNAGE IN A WING TO BE REMOVED AND RETURNED TO OWNER.
12. REFER TO DOOR SCHEDULE FOR ADDITIONAL DEMOLITION INFORMATION CONCERNING EXISTING DOORS & FRAMES.
13. REMOVE ALL WALLCOVERING OR WALLCOVERING BORDERS LOCATED WITHIN PROJECT SCOPE.
14. REMOVE ALL FLOOR FINISHES WITHIN PROJECT SCOPE UNLESS NOTED OTHERWISE
15. REMOVE ALL WALL PROTECTION INCLUDING HANDRAILS, BUMPER RAILS WITHIN PROJECT SCOPE UNLESS NOTED OTHERWISE
16. REFER TO TYPICAL SECTIONS ON A-300 FOR DIAGRAM OF EXISTING RATED CEILING AT BOTTOM OF TRUSSES. MAINTAIN 1HR RATED SEPARATION. ALERT ARCHITECT OF ANY EXISTING BREACHES.
17. TEMPORARILY SHORE TRUSSES AT LOCATIONS WHERE EXISTING LOAD BEARING WALLS WILL BE DEMOLISHED UNTIL NEW FOOTINGS, COLUMNS, AND HEADERS ARE IN PLACE.
18. EXISTING MEDGAS (AS NOTED) TO BE CUT AND CAPPED INSIDE NEAREST PARTITION TO REMAIN.
19. REMOVE ALL CEILING TILES FROM EXISTING TO REMAINING CEILING GRIDS
20. REPLACE ALL CEILING TILE IN EXISTING TO REMAIN APC CEILING GRIDS.

EXISTING MEDGAS TO BE CUT AND CAPPED		
WING	BLDG	OLD #
A	A1B	1B10
A	A1B	1B13
A	A1B	1B19
A	A1A	1A10
A	A1A	1A13
A	A1A	1A19
A	A2B	2B11
A	A2B	2B14
A	A2B	2B20
A	A2A	2A14
A	A2A	2A20

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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

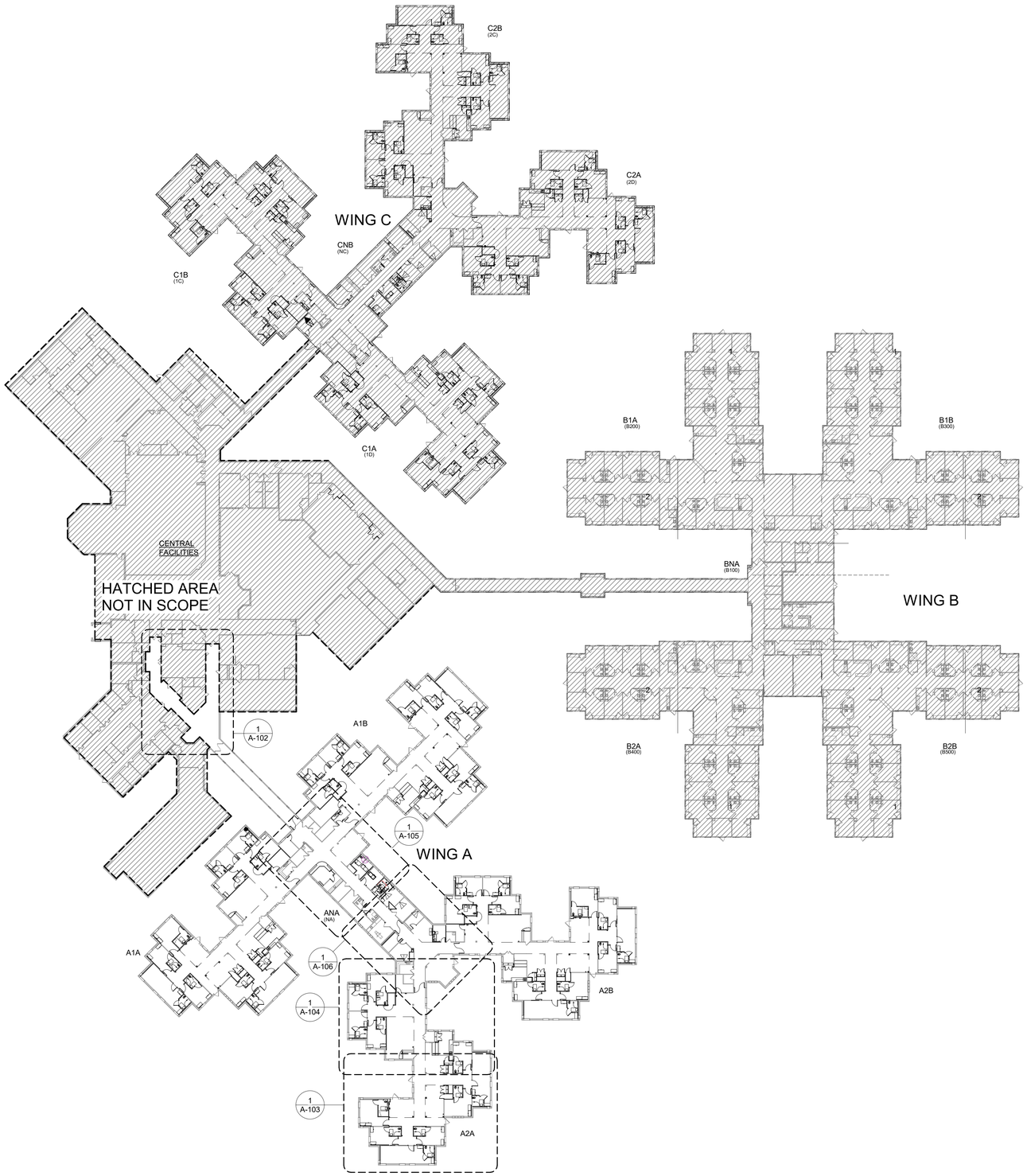
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DEMOLITION RCP - A WING

SHEET NUMBER:
A-016

10 OF 93 SHEETS
06/26/2025

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1 LEVEL 01 OVERALL FLOOR PLAN
1" = 40'-0"

N

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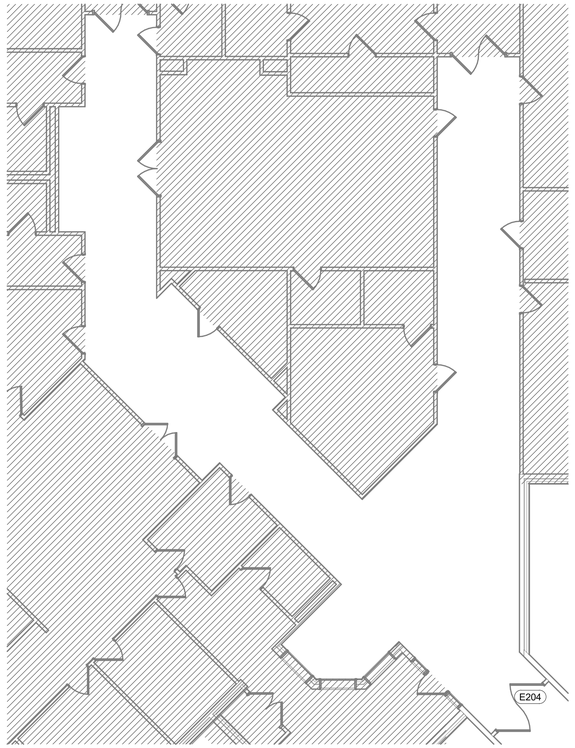
FLOOR PLAN - OVERALL

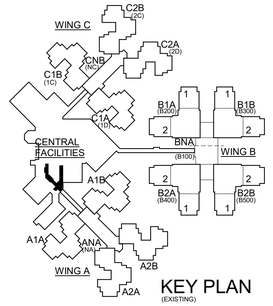
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11 OF 93 SHEETS
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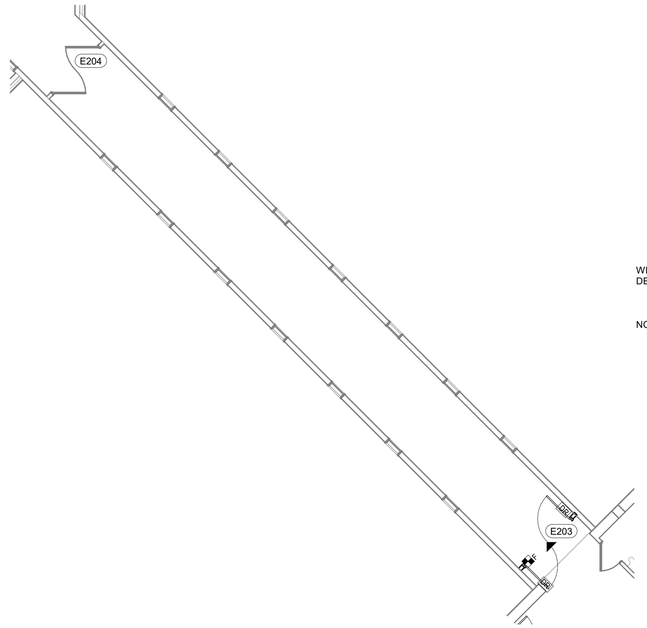
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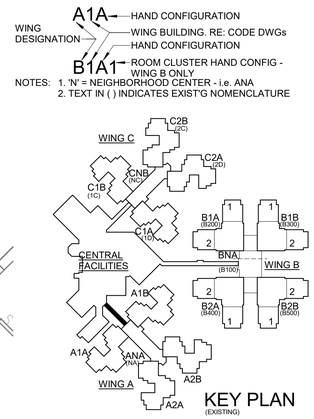
1 FLOOR PLAN - CENTRAL FACILITIES CORRIDOR
1/8" = 1'-0"

GENERAL NOTES - FLOOR PLANS

1. REFER TO CODE COMPLIANCE PLANS FOR EXTENT OF SMOKE PARTITIONS
2. REFER TO A-001 FOR TYPICAL MOUNTING HEIGHTS FOR ELECTRICAL & TELECOM ITEMS
3. REFER TO A-001 FOR TOILET ACCESSORY AND PLUMBING DIAGRAMS AND CONFIGURATIONS
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10. REFER TO 'I' DRAWINGS FOR INTERIOR FINISHES AND WALL PROTECTION
11. LEVEL FLOORS AT ABANDONED FLOOR DRAINS. RE: DEMO PLANS. RE: 033000
12. UNELEVATED RESIDENT TOILET ROOMS ARE SIMILAR TO ELEVATED RESIDENT TOILET ROOMS (INCLUDING TOILET ACCESSORIES)
13. EXISTING OUTLETS ADJACENT TO DESKS IN RESIDENT ROOMS, TO BE RELOCATED TO BE UNDER DESKS, VERIFY LOCATIONS IN FIELD.

KEYED NOTES - FLOOR PLAN	
NUMBER	DESCRIPTION





KEY PLAN
(EXISTING)

2 FLOOR PLAN - A WING CORRIDORS
1/8" = 1'-0"

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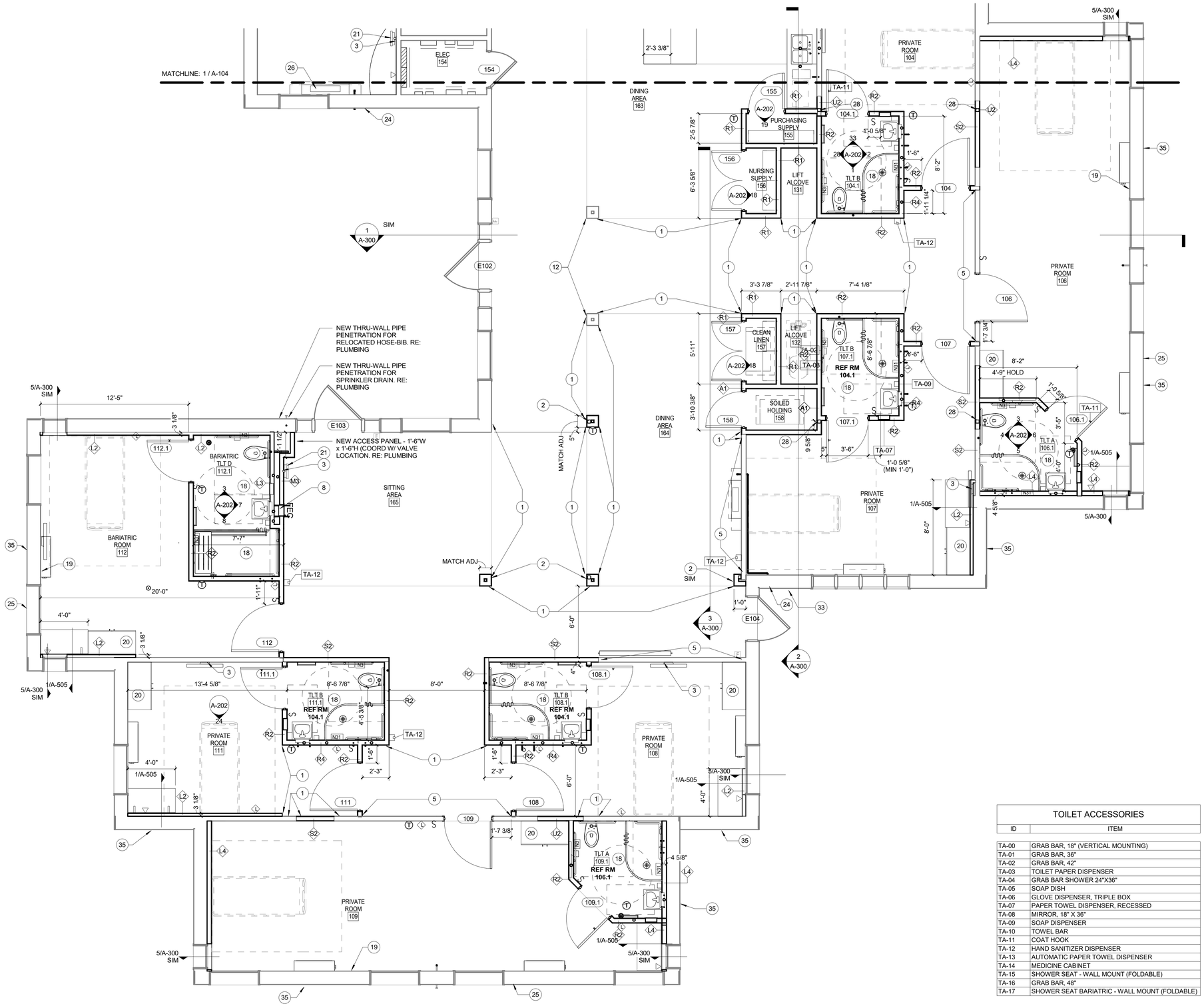
SHEET TITLE:

FLOOR PLANS - CENTRAL FACILITIES

SHEET NUMBER:

A-102

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1 FLOOR PLAN - A2A HOME 1
1/4" = 1'-0"

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KEYED NOTES - FLOOR PLAN

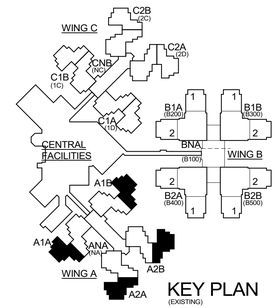
NUMBER	DESCRIPTION
1	ALIGN
2	NEW COLUMN SURROUND. RE:23/A-202, 2/A-503 & PTN TYPE L3
3	PROVIDE BLOCKING FOR WALL-MOUNTED ITEM RE: ELEC/TECH FOR POWER/DATA/COAXIAL. RE: 6/A-503
5	EXISTING PARTITION - SEAL ALL PENETRATIONS TO MAKE EXISTING PARTITION INTO A SMOKE PARTITION. RE: CODE COMPLIANCE PLANS. RE: 078413 & 078443
8	NEW FIRE EXTINGUISHER CABINET - RE: 104413
12	EXISTING COLUMN SURROUND WITH DECORATIVE CAPITAL TO REMAIN. PAINT PER 23/A-202
18	NEW RECESSED CONCRETE SLAB WITH SLOPED EPOXY MORTAR BED TO DRAIN - DRAIN AT 1.125" BELOW TYP FINISH FLOOR. RE: A-201 FOR TYP SLOPING DIAGRAMS AND 9/A-503 FOR DRAIN DETAIL
19	NEW SURFACE MTD TV WALL BOX WITH EXPOSED CONDUIT TO ABOVE CEILING WHERE CONDITION ALLOWS POWER AND DATA SHOULD BE RUN WITHIN PARTITION. COORDINATE LOCATION OF TV WITH OWNER. RE: ELEC DWGS & 4/A-503
20	CASEWORK WARDROBE UNIT - 36" WIDE SECURED TO PARTITION. RE: 064023
21	REINSTALL EXISTING WALL-MOUNTED COMPUTER STATION STORED DURING CONSTRUCTION
24	ABANDONED LOUVER AT EXTERIOR (+/-8'-6" AFF). FILL WITH INSULATION & INSTALL COVER PLATE. RE: 4/A/A-300
25	EXISTING LOUVER LOCATION (+/-8'-6"AFF) TO BE ENLARGED, REF. MECHANICAL FOR SIZES (PROVIDE NEW LOUVER, BOD RUSKIN ELF15J). REFER TO DETAIL 4/A-300
26	CONDENSATE DRAIN THROUGH WALL. REFER TO DETAIL 12 / A-300
28	NEW STRUCTURAL COLUMN - 1HR RATED PTN AT COLUMN. RE: STRUCTURAL DWGs
33	MECH CONDENSATE - SEE MECH. PATCH AND REPAIR CONCRETE SIDEWALK AS REQUIRED
35	ISOLATION POD 'A' ONLY: NEW LOUVER/PENETRATION LOCATION (+/-8'-6"AFF) - REF. MECHANICAL FOR SIZES (BOD: RUSKIN ELF15J). REFER TO DETAIL 4/A-300

TOILET ACCESSORIES

ID	ITEM
TA-00	GRAB BAR, 18" (VERTICAL MOUNTING)
TA-01	GRAB BAR, 36"
TA-02	GRAB BAR, 42"
TA-03	TOILET PAPER DISPENSER
TA-04	GRAB BAR SHOWER 24"X36"
TA-05	SOAP DISH
TA-06	GLOVE DISPENSER, TRIPLE BOX
TA-07	PAPER TOWEL DISPENSER, RECESSED
TA-08	MIRROR, 18" X 36"
TA-09	SOAP DISPENSER
TA-10	TOWEL BAR
TA-11	COAT HOOK
TA-12	HAND SANITIZER DISPENSER
TA-13	AUTOMATIC PAPER TOWEL DISPENSER
TA-14	MEDICINE CABINET
TA-15	SHOWER SEAT - WALL MOUNT (FOLDABLE)
TA-16	GRAB BAR, 48"
TA-17	SHOWER SEAT BARIATRIC - WALL MOUNT (FOLDABLE)

WING DESIGNATION
A1A – HAND CONFIGURATION
WING BUILDING. RE: CODE DWGs
HAND CONFIGURATION
B1A1 – ROOM CLUSTER HAND CONFIG - WING B ONLY

NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE



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ST. LOUIS VETERANS
HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

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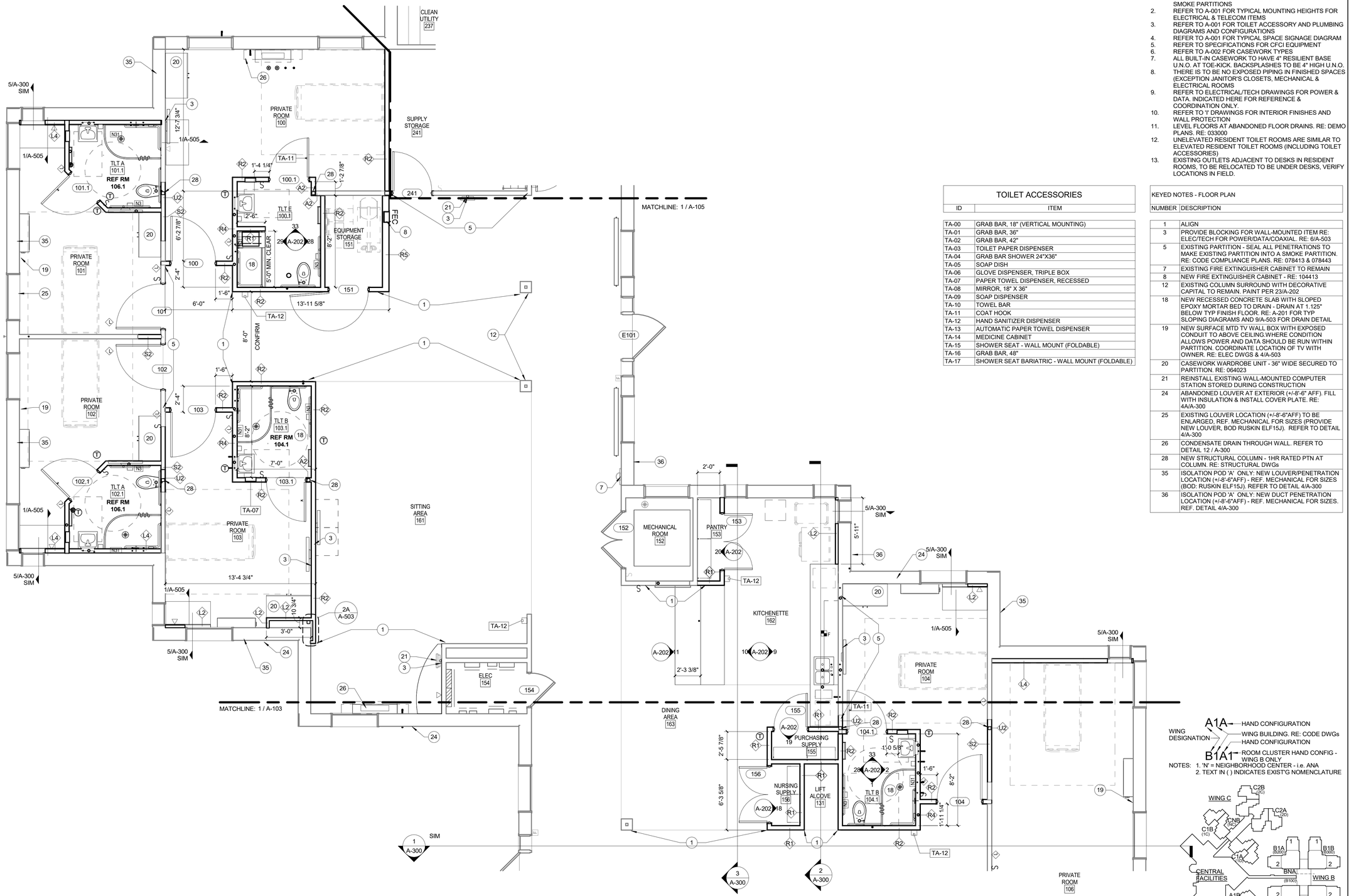
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SHEET TITLE:
FLOOR PLAN - A HOME 1

SHEET NUMBER:
A-103

13 OF 93 SHEETS
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1 FLOOR PLAN - A2A HOME 2
1/4" = 1'-0"

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GENERAL NOTES - FLOOR PLANS

1. REFER TO CODE COMPLIANCE PLANS FOR EXTENT OF SMOKE PARTITIONS
2. REFER TO A-001 FOR TYPICAL MOUNTING HEIGHTS FOR ELECTRICAL & TELECOM ITEMS
3. REFER TO A-001 FOR TOILET ACCESSORY AND PLUMBING DIAGRAMS AND CONFIGURATIONS
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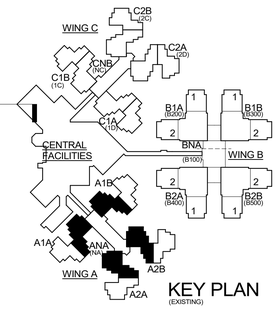
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TA-15	SHOWER SEAT - WALL MOUNT (FOLDABLE)
TA-16	GRAB BAR, 48"
TA-17	SHOWER SEAT BARIATRIC - WALL MOUNT (FOLDABLE)

KEYED NOTES - FLOOR PLAN

NUMBER	DESCRIPTION
1	ALIGN
3	PROVIDE BLOCKING FOR WALL-MOUNTED ITEM RE: ELEC/TECH FOR POWER/DATA/COAXIAL. RE: 6/A-503
5	EXISTING PARTITION - SEAL ALL PENETRATIONS TO MAKE EXISTING PARTITION INTO A SMOKE PARTITION. RE: CODE COMPLIANCE PLANS. RE: 078413 & 078443
7	EXISTING FIRE EXTINGUISHER CABINET TO REMAIN
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19	NEW SURFACE MTD TV WALL BOX WITH EXPOSED CONDUIT TO ABOVE CEILING.WHERE CONDITION ALLOWS POWER AND DATA SHOULD BE RUN WITHIN PARTITION. COORDINATE LOCATION OF TV WITH OWNER. RE: ELEC DWGS & 4/A-503
20	CASEWORK WARDROBE UNIT - 36" WIDE SECURED TO PARTITION. RE: 064023
21	REINSTALL EXISTING WALL-MOUNTED COMPUTER STATION STORED DURING CONSTRUCTION
24	ABANDONED LOUVER AT EXTERIOR (+/-8'-6" AFF). FILL WITH INSULATION & INSTALL COVER PLATE. RE: 4A/A-300
25	EXISTING LOUVER LOCATION (+/-8'-6"AFF) TO BE ENLARGED, REF. MECHANICAL FOR SIZES (PROVIDE NEW LOUVER, BOD RUSKIN ELF15J). REFER TO DETAIL 4/A-300
26	CONDENSATE DRAIN THROUGH WALL. REFER TO DETAIL 12 / A-300
28	NEW STRUCTURAL COLUMN - 1HR RATED PTN AT COLUMN. RE: STRUCTURAL DWGs
35	ISOLATION POD 'A' ONLY: NEW LOUVER/PENETRATION LOCATION (+/-8'-6"AFF) - REF. MECHANICAL FOR SIZES (BOD: RUSKIN ELF15J). REFER TO DETAIL 4/A-300
36	ISOLATION POD 'A' ONLY: NEW DUCT PENETRATION LOCATION (+/-8'-6"AFF) - REF. MECHANICAL FOR SIZES. REF. DETAIL 4/A-300

A1A — HAND CONFIGURATION
WING DESIGNATION — WING BUILDING. RE: CODE DWGs
HAND CONFIGURATION
B1A1 — ROOM CLUSTER HAND CONFIG - WING B ONLY

NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
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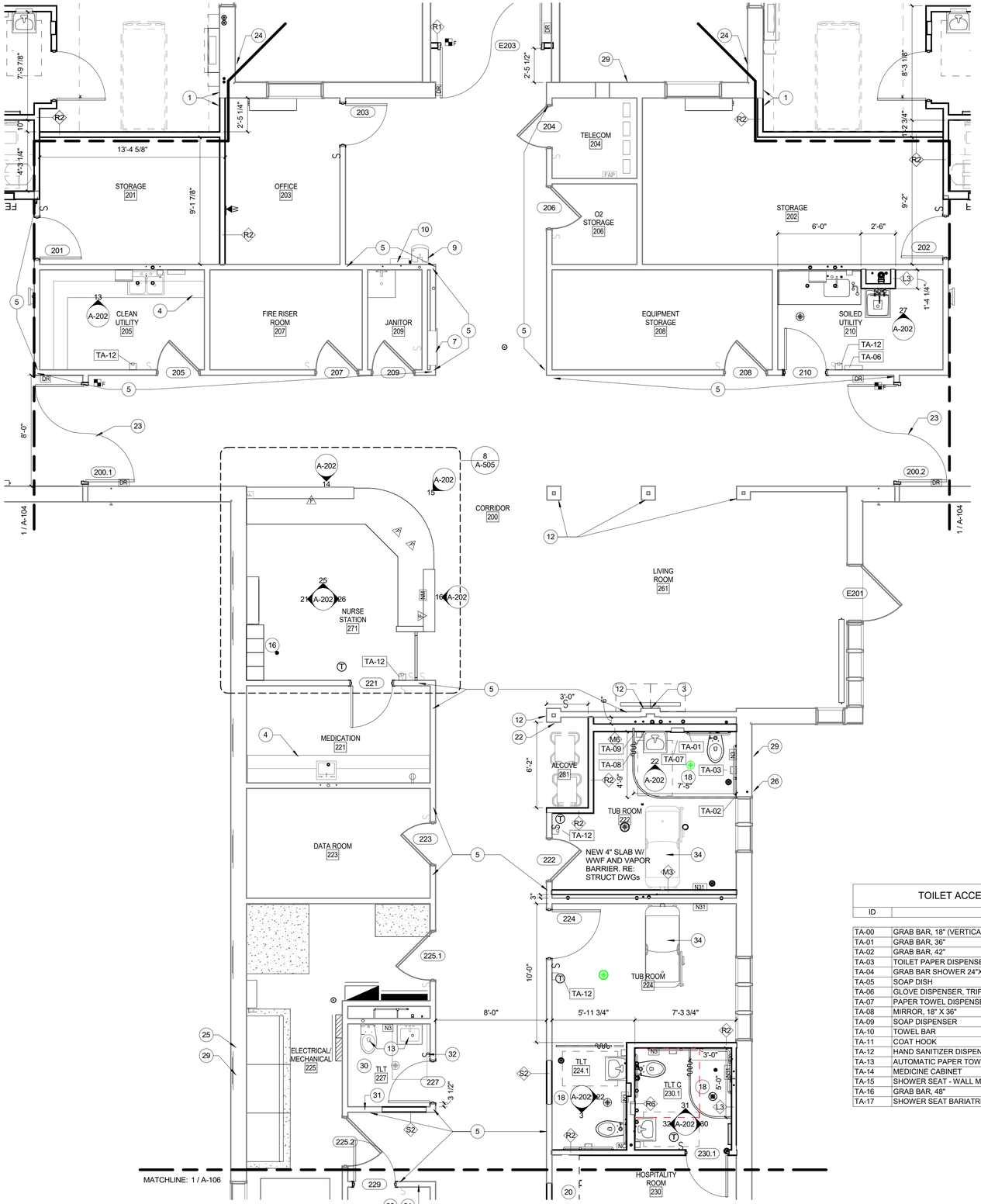
FLOOR PLAN - A HOME 2

SHEET NUMBER:

A-104

14 OF 93 SHEETS
06/26/2025

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1 FLOOR PLAN - NBHD CTR ANA 1
1/4" = 1'-0"

GENERAL NOTES - FLOOR PLANS

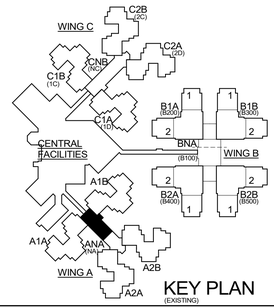
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3. REFER TO A-001 FOR TOILET ACCESSORY AND PLUMBING DIAGRAMS AND CONFIGURATIONS
4. REFER TO A-001 FOR TYPICAL SPACE SIGNAGE DIAGRAM
5. REFER TO SPECIFICATIONS FOR CFCI EQUIPMENT
6. REFER TO A-002 FOR CASEWORK TYPES
7. ALL BUILT-IN CASEWORK TO HAVE 4" RESILIENT BASE U.N.O. AT TOE-KICK. BACKSPLASHES TO BE 4" HIGH U.N.O.
8. THERE IS TO BE NO EXPOSED PIPING IN FINISHED SPACES (EXCEPTION JANITOR'S CLOSETS, MECHANICAL & ELECTRICAL ROOMS
9. REFER TO ELECTRICAL/TECH DRAWINGS FOR POWER & DATA. INDICATED HERE FOR REFERENCE & COORDINATION ONLY.
10. REFER TO 'I' DRAWINGS FOR INTERIOR FINISHES AND WALL PROTECTION
11. LEVEL FLOORS AT ABANDONED FLOOR DRAINS. RE: DEMO PLANS. RE: 033000
12. UNELEVATED RESIDENT TOILET ROOMS ARE SIMILAR TO ELEVATED RESIDENT TOILET ROOMS (INCLUDING TOILET ACCESSORIES)
13. EXISTING OUTLETS ADJACENT TO DESKS IN RESIDENT ROOMS, TO BE RELOCATED TO BE UNDER DESKS, VERIFY LOCATIONS IN FIELD.

KEYED NOTES - FLOOR PLAN	
NUMBER	DESCRIPTION
1	ALIGN
3	PROVIDE BLOCKING FOR WALL-MOUNTED ITEM RE: ELEC/TECH FOR POWER/DATA/COAXIAL. RE: 6/A-503
4	EXISTING SHELVING OR MILLWORK TO REMAIN
5	EXISTING PARTITION - SEAL ALL PENETRATIONS TO MAKE EXISTING PARTITION INTO A SMOKE PARTITION. RE: CODE COMPLIANCE PLANS. RE: 078413 & 078443
7	EXISTING FIRE EXTINGUISHER CABINET TO REMAIN
9	EXISTING WATER FOUNTAIN TO REMAIN
10	EXISTING AED CABINET TO REMAIN
12	EXISTING COLUMN SURROUND WITH DECORATIVE CAPITAL TO REMAIN. PAINT PER 23/A-202
13	REINSTALL EXISTING TOILET AND SINK.
16	NEW LOCKERS. RE: 105126
18	NEW RECESSED CONCRETE SLAB WITH SLOPED EPOXY MORTAR BED TO DRAIN - DRAIN AT 1.125" BELOW TYP FINISH FLOOR. RE: A-201 FOR TYP SLOPING DIAGRAMS AND 9/A-503 FOR DRAIN DETAIL
20	CASEWORK WARDROBE UNIT - 36" WIDE SECURED TO PARTITION. RE: 064023
22	REPAIR AND EXTEND CAPITAL AT EXISTING COLUMN SURROUND AT EDGE EXPOSED BY DEMOLITION. RE: 22/A-202
23	PARTITION TYPE A1 ABOVE
24	ABANDONED LOUVER AT EXTERIOR (+/-8'-6" AFF). FILL WITH INSULATION & INSTALL COVER PLATE. RE: 4/A/A-300
25	EXISTING LOUVER LOCATION (+/-8'-6"AFF) TO BE ENLARGED, REF. MECHANICAL FOR SIZES (PROVIDE NEW LOUVER, BOD RUSKIN ELF15J). REFER TO DETAIL 4/A-300
26	CONDENSATE DRAIN THROUGH WALL. REFER TO DETAIL 12 / A-300
29	NEW LOUVER/PENETRATION LOCATION (+/-8'-6"AFF) - REF. MECHANICAL FOR SIZES (BOD: RUSKIN ELF15J). REFER TO DETAIL 4/A-300
30	REINSTALL ALL REMAINING EXISTING TLT ACCESSORIES IN PREVIOUS LOCATIONS.
31	REINSTALL EXISITNG PAPER TOWEL DISPENSER IN NEW LOCATION.
32	NEW LIGHT SWITCH LOCATION.
34	TUB PROVIDED BY OWNER

TOILET ACCESSORIES	
ID	ITEM
TA-00	GRAB BAR, 18" (VERTICAL MOUNTING)
TA-01	GRAB BAR, 36"
TA-02	GRAB BAR, 42"
TA-03	TOILET PAPER DISPENSER
TA-04	GRAB BAR SHOWER 24"X36"
TA-05	SOAP DISH
TA-06	GLOVE DISPENSER, TRIPLE BOX
TA-07	PAPER TOWEL DISPENSER, RECESSED
TA-08	MIRROR, 18" X 36"
TA-09	SOAP DISPENSER
TA-10	TOWEL BAR
TA-11	COAT HOOK
TA-12	HAND SANITIZER DISPENSER
TA-13	AUTOMATIC PAPER TOWEL DISPENSER
TA-14	MEDICINE CABINET
TA-15	SHOWER SEAT - WALL MOUNT (FOLDABLE)
TA-16	GRAB BAR, 48"
TA-17	SHOWER SEAT BARIATRIC - WALL MOUNT (FOLDABLE)

WING DESIGNATION
A1A — HAND CONFIGURATION
WING BUILDING. RE: CODE DWGs
HAND CONFIGURATION
B1A1 — ROOM CLUSTER HAND CONFIG - WING B ONLY

NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE



KEY PLAN (EXISTING)

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06·26·2025
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Missouri State Certificate of Authority
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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI
VETERANS COMMISSION

ST. LOUIS VETERANS
HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

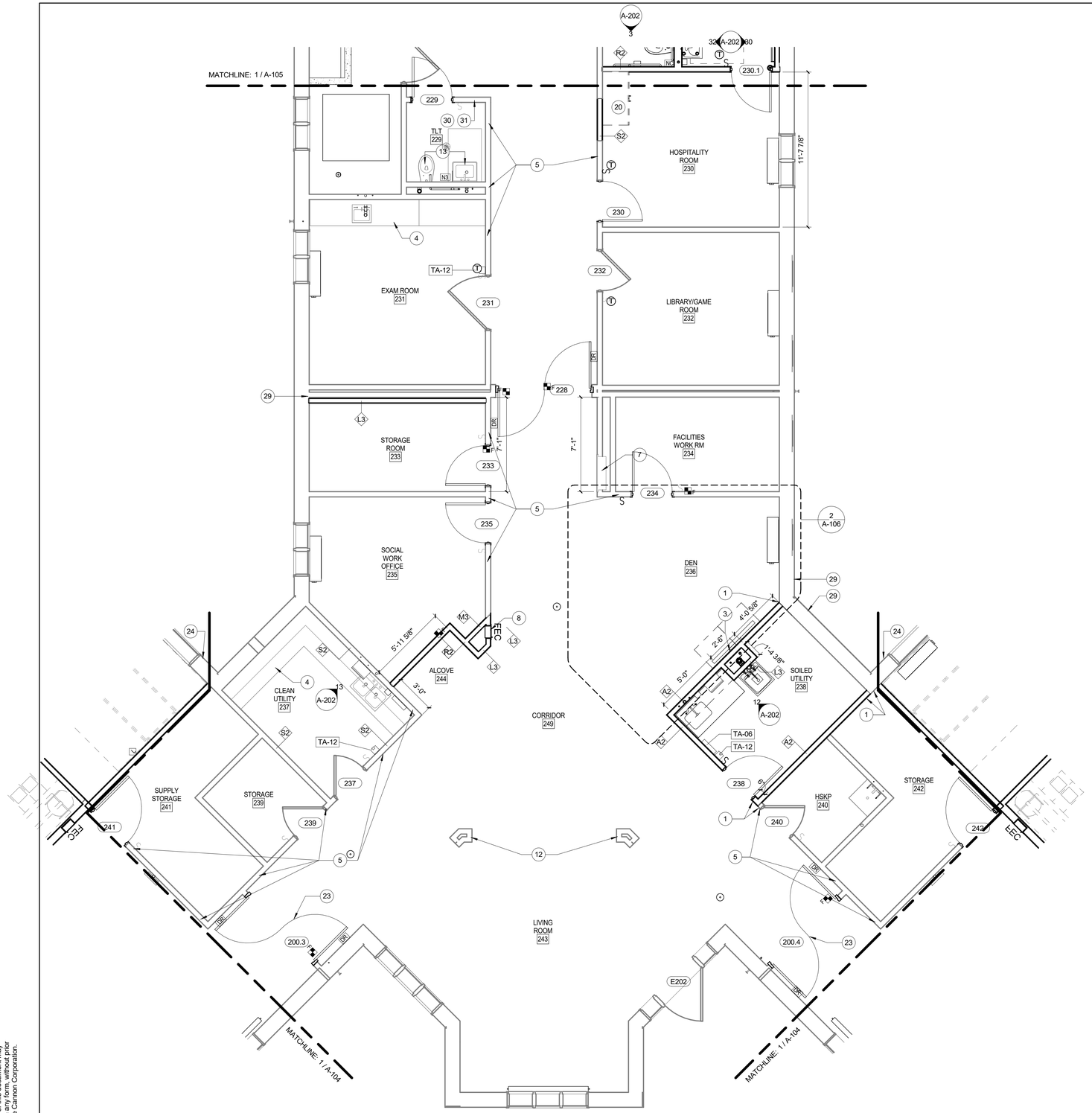
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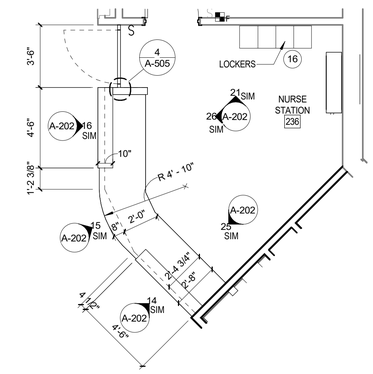
SHEET NUMBER:
A-105

15 OF 93 SHEETS
06/26/2025

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1 FLOOR PLAN - NBHD CTR ANA 2
1/4" = 1'-0"



2 ADD ALT NURSE STATION
1/4" = 1'-0"

GENERAL NOTES - FLOOR PLANS

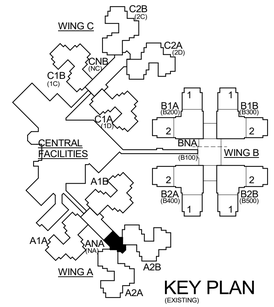
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KEYED NOTES - FLOOR PLAN	
NUMBER	DESCRIPTION
1	ALIGN
3	PROVIDE BLOCKING FOR WALL-MOUNTED ITEM RE: ELEC/TECH FOR POWER/DATA/COAXIAL. RE: 6/A-503
4	EXISTING SHELVING OR MILLWORK TO REMAIN
5	EXISTING PARTITION - SEAL ALL PENETRATIONS TO MAKE EXISTING PARTITION INTO A SMOKE PARTITION. RE: CODE COMPLIANCE PLANS. RE: 078413 & 078443
7	EXISTING FIRE EXTINGUISHER CABINET TO REMAIN
8	NEW FIRE EXTINGUISHER CABINET - RE: 104413
12	EXISTING COLUMN SURROUND WITH DECORATIVE CAPITAL TO REMAIN. PAINT PER 23/A-202
13	REINSTALL EXISTING TOILET AND SINK.
16	NEW LOCKERS. RE: 105126
20	CASEWORK WARDROBE UNIT - 36" WIDE SECURED TO PARTITION. RE: 064023
23	PARTITION TYPE A1 ABOVE
24	ABANDONED LOUVER AT EXTERIOR (+/-8'-6" AFF). FILL WITH INSULATION & INSTALL COVER PLATE. RE: 4/A/A-300
29	NEW LOUVER/PENETRATION LOCATION (+/-8'-6"AFF) - REF. MECHANICAL FOR SIZES (BOD: RUSKIN ELF15J). REFER TO DETAIL 4/A-300
30	REINSTALL ALL REMAINING EXISTING TLT ACCESSORIES IN PREVIOUS LOCATIONS.
31	REINSTALL EXISITNG PAPER TOWEL DISPENSER IN NEW LOCATION.

TOILET ACCESSORIES	
ID	ITEM
TA-00	GRAB BAR, 18" (VERTICAL MOUNTING)
TA-01	GRAB BAR, 36"
TA-02	GRAB BAR, 42"
TA-03	TOILET PAPER DISPENSER
TA-04	GRAB BAR SHOWER 24"X36"
TA-05	SOAP DISH
TA-06	GLOVE DISPENSER, TRIPLE BOX
TA-07	PAPER TOWEL DISPENSER, RECESSED
TA-08	MIRROR, 18" X 36"
TA-09	SOAP DISPENSER
TA-10	TOWEL BAR
TA-11	COAT HOOK
TA-12	HAND SANITIZER DISPENSER
TA-13	AUTOMATIC PAPER TOWEL DISPENSER
TA-14	MEDICINE CABINET
TA-15	SHOWER SEAT - WALL MOUNT (FOLDABLE)
TA-16	GRAB BAR, 48"
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WING DESIGNATION
A1A — HAND CONFIGURATION
WING BUILDING. RE: CODE DWGs
B1A1 — HAND CONFIGURATION
ROOM CLUSTER HAND CONFIG - WING B ONLY

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KEY PLAN (EXISTING)

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ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

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DESIGNED BY: CD

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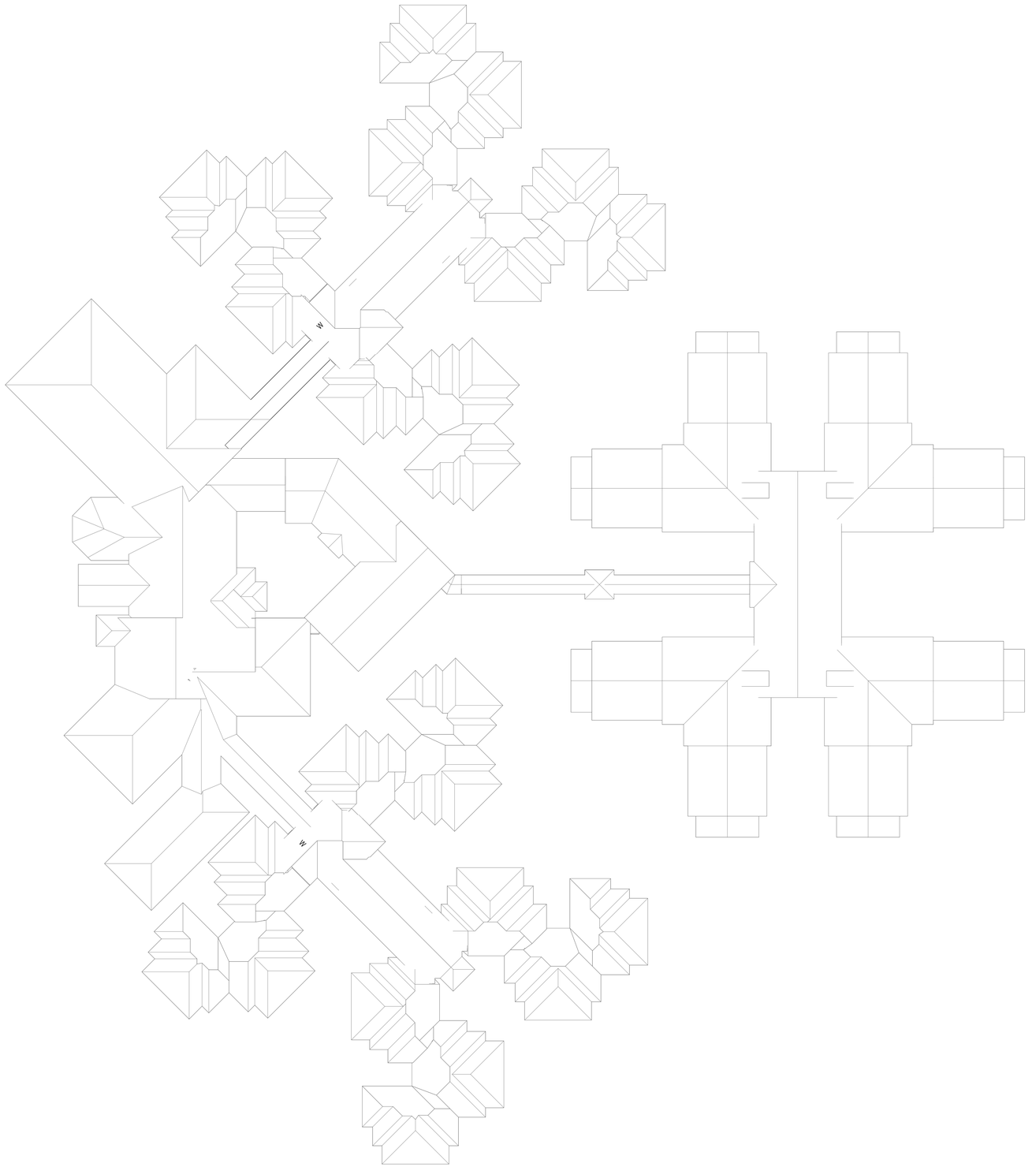
FLOOR PLAN - A NBHD CTR 2

SHEET NUMBER:

A-106

16 OF 93 SHEETS
06/26/2025

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1 OVERALL ROOF PLAN - NO WORK
1" = 40'-0"

N

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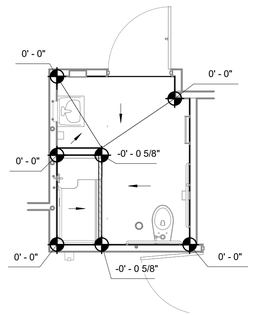
ROOF PLAN - OVERALL

SHEET NUMBER:

A-112

17 OF 93 SHEETS
06/26/2025

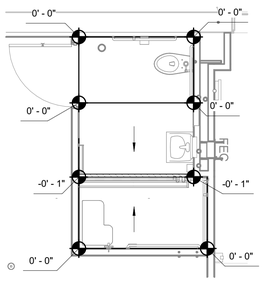
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5 PATIENT SHOWER TYPE E (ACCESSIBLE)

1/4" = 1'-0"

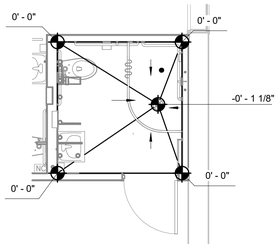
APPLIES TO THE FOLLOWING ROOMS: 100.1
BASE ELEVATION = 100'-0"
NO SLOPE TO EXCEED 1/4"/1'-0"
LINEAR DRAIN AS INDICATED



4 PATIENT SHOWER TYPE D (ACCESSIBLE)

1/4" = 1'-0"

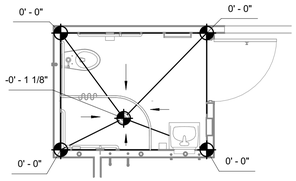
APPLIES TO THE FOLLOWING ROOM: 112.1
BASE ELEVATION = 100'-0"
NO SLOPE TO EXCEED 1/4"/1'-0"
LINEAR DRAIN AS INDICATED



3 PATIENT SHOWER TYPE C

1/4" = 1'-0"

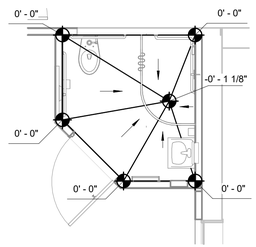
APPLIES TO THE FOLLOWING ROOM: 230.1
BASE ELEVATION = 100'-0"
RE: 9/A-503



2 PATIENT SHOWER TYPE B

1/4" = 1'-0"

APPLIES TO THE FOLLOWING ROOMS: 103.1, 104.1, 107.1, 108.1, 111.1
BASE ELEVATION = 100'-0"
RE: 9/A-503



1 PATIENT SHOWER TYPE A

1/4" = 1'-0"

APPLIES TO THE FOLLOWING ROOMS: 101.1, 102.1, 106.1, 109.1
BASE ELEVATION = 100'-0"
RE: 9/A-503

GENERAL NOTE:

NEW CONCRETE SLABS SHALL BE RECESSED 1-1/4" FOR THE FULL EXTENTS OF EACH ROOM WITH A SLOPE DIAGRAM. ELEVATIONS INDICATE FINAL ELEVATIONS OF SLOPED TOPPING MATERIAL.

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ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

CAD DWG FILE:
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SHEET TITLE:

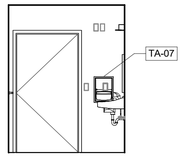
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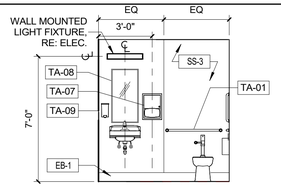
A-201

18 OF 93 SHEETS
06/26/2025

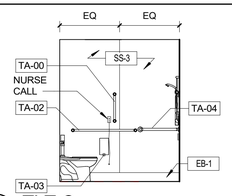
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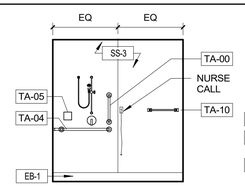
33 TLT B
1/4" = 1'-0"



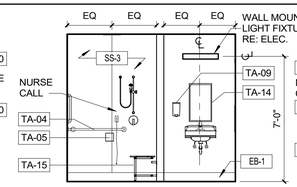
32 TLT C SINK WALL
1/4" = 1'-0"



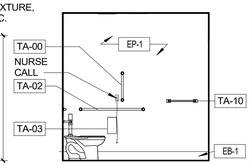
31 TLT C
1/4" = 1'-0"



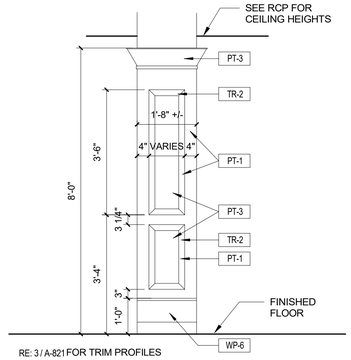
30 TLT C SHOWER WALL
1/4" = 1'-0"



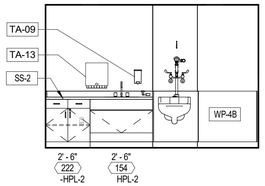
29 TLT E SINK WALL
1/4" = 1'-0"



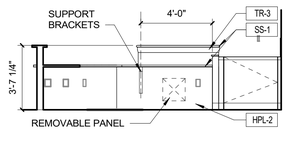
28 TLT B
1/4" = 1'-0"



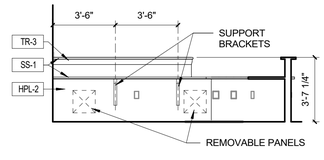
23 TYP. COLUMN ELEVATION
1/2" = 1'-0"



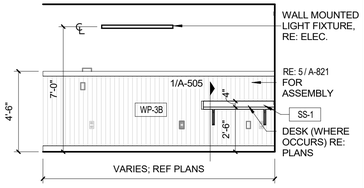
27 SOILED UTILITY 210
1/4" = 1'-0"



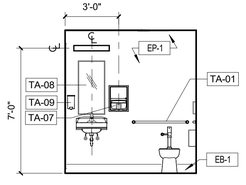
26 A WING NURSE STN WKSTN 2
1/4" = 1'-0"



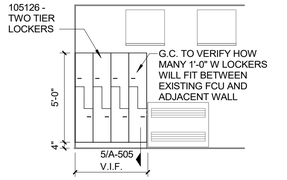
25 A WING NURSE STN WORKSTATIONS
1/4" = 1'-0"



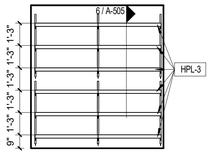
24 RESIDENT HEADWALL
1/4" = 1'-0"



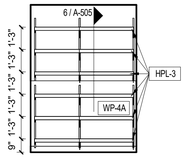
22 TUB TLT 224.1
1/4" = 1'-0"



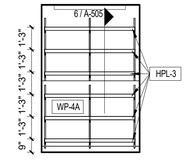
21 NURSE STN LOCKERS
1/4" = 1'-0"



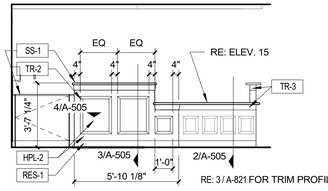
20 PANTRY
1/4" = 1'-0"



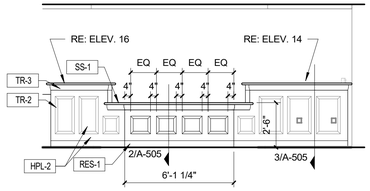
19 PURCHASING SUPPLY
1/4" = 1'-0"



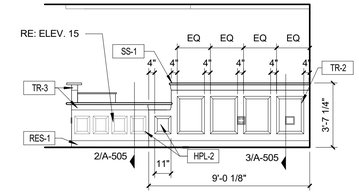
18 NURSING SUPPLY 156
1/4" = 1'-0"



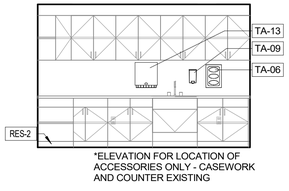
16 A WING NURSE STN TRANSACTION 2
1/4" = 1'-0"



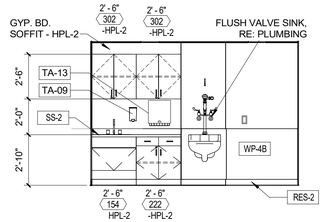
15 A WING NURSE STATION ADA HT
1/4" = 1'-0"



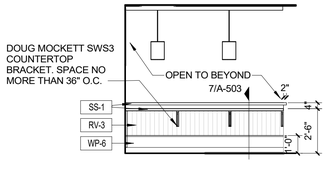
14 A WING NURSE STN TRANSACTION
1/4" = 1'-0"



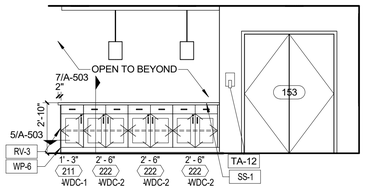
13 CLEAN UTILITY
1/4" = 1'-0"



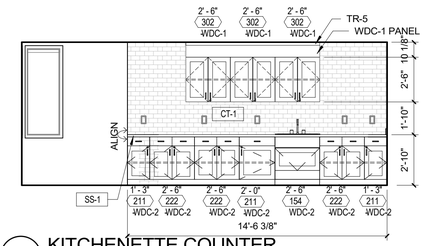
12 SOILED UTILITY TYP.
1/4" = 1'-0"



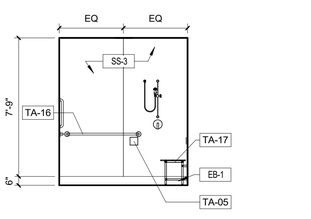
11 KITCHENETTE ISLAND - EAST
1/4" = 1'-0"



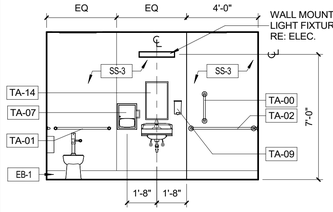
10 KITCHENETTE ISLAND - WEST
1/4" = 1'-0"



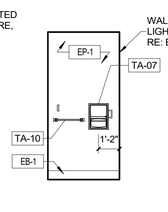
9 KITCHENETTE COUNTER
1/4" = 1'-0"



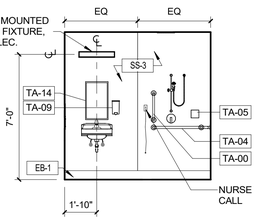
8 BAR. TLT D SHOWER
1/4" = 1'-0"



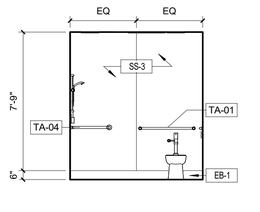
7 BAR. TLT D SINK WALL
1/4" = 1'-0"



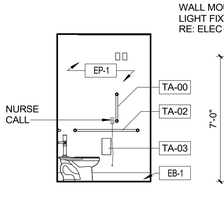
6 TLT A
1/4" = 1'-0"



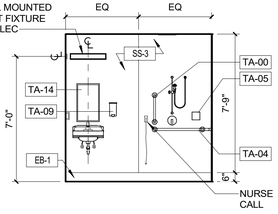
5 TLT A SINK WALL
1/4" = 1'-0"



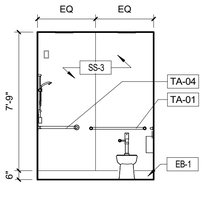
4 TLT A W.C. WALL
1/4" = 1'-0"



3 TLT A & D
1/4" = 1'-0"



2 TLT B SINK WALL
1/4" = 1'-0"



1 TLT B W.C. WALL
1/4" = 1'-0"

TOILET ACCESSORIES	
ID	ITEM
TA-00	GRAB BAR, 18" (VERTICAL MOUNTING)
TA-01	GRAB BAR, 36"
TA-02	GRAB BAR, 42"
TA-03	TOILET PAPER DISPENSER
TA-04	GRAB BAR SHOWER 24"X36"
TA-05	SOAP DISH
TA-06	GLOVE DISPENSER, TRIPLE BOX
TA-07	PAPER TOWEL DISPENSER, RECESSED
TA-08	MIRROR, 18" X 36"
TA-09	SOAP DISPENSER
TA-10	TOWEL BAR
TA-11	COAT HOOK
TA-12	HAND SANITIZER DISPENSER
TA-13	AUTOMATIC PAPER TOWEL DISPENSER
TA-14	MEDICINE CABINET
TA-15	SHOWER SEAT - WALL MOUNT (FOLDABLE)
TA-16	GRAB BAR, 48"
TA-17	SHOWER SEAT BARIATRIC - WALL MOUNT (FOLDABLE)

SYMBOLS

- E ▯ ELECTRICAL RECEPTACLE (2)
- E ▯▯ ELECTRICAL RECEPTACLE (4)
- T ▯ TELEPHONE OUTLET
- P ▯ WALL MOUNTED PHONE
- D ▯ DATA OUTLET
- E/C ▯ CABLE/ELECTRICAL OUTLET
- SW ▯ LIGHT SWITCH
- E ▯ NURSE CALL
- A ▯ MEDICAL GAS- AIR
- O ▯ MEDICAL GAS- OXYGEN
- V ▯ VACUUM
- SL ▯ VACUUM SLIDE
- FS ▯ FIRE STROBE
- T ▯ THERMOSTAT
- <Custom> ▯

GENERAL NOTES

1. ALL ELEVATIONS ARE KEYED FROM A2B & ANA. REFER TO AREA PREFIX ON KEYPLANS (I.E. A1A) TO DETERMINE HAND CONFIGURATION OF ELEVATIONS FOR OTHER WINGS AND PREFIX AREAS.
2. ALL DIMENSIONS ARE FINISH DIMENSIONS UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS FOR MILLWORK ARE TO BE FIELD MEASURED AND VERIFIED BEFORE FABRICATION OF MILLWORK UNITS BEGINS.
4. ALL COUNTERTOPS @ SINK LOCATIONS TO BE SOLID SURFACE UNLESS NOTED OTHERWISE
5. ALL COUNTERTOPS ARE TO HAVE A 4" BACKSPLASH ON ALL SIDES WHERE THE COUNTERTOPS ABUT FINISHED WALLS UNLESS OTHERWISE NOTED.
6. ALL MILLWORK UNITS THAT ABUT FINISH WALLS ARE TO HAVE 1" MINIMUM PLASTIC LAMINATE FINISHED FILLERS AT WALLS. FILLERS ARE TO BE SCRIBED TO THE WALLS.
7. ALL CABINETS AND DRAWERS SHALL BE LOCKABLE.
8. ALL BASES TO BE 4" HIGH RESILIENT BASE UNLESS OTHERWISE NOTED. REFER TO THE ROOM FINISH FOR ALL FINISHES.
9. ALL SOAP DISPENSERS AND PAPER TOWEL DISPENSERS SHOWN ARE TO BE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
10. WHERE OUTLETS AND/OR RECEPTACLES ARE CALLED OUT BELOW COUNTERTOPS, 2" DIAMETER SLOTS IN THE COUNTERTOP SHALL BE PROVIDED IN THE BACK OF THE COUNTERTOP FOR CORD ACCESS. FINISH ALL SLOTS WITH GROMMETS.
11. TYPICAL SWITCH AND RECEPTACLE LOCATIONS ARE INDICATED AT INTERIOR ELEVATIONS, BUT DO NOT REPRESENT TOTAL QUANTITIES OR INDIVIDUAL TYPES, AT THESE LOCATIONS ONLY. REFER TO MOUNTING HEIGHT REQUIREMENTS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPREHENSIVE FIXTURE AND/OR DEVICE QUANTITIES AND LOCATIONS.
12. ALL RECEPTACLES AND OUTLETS BELOW COUNTER HEIGHT ARE TO BE MOUNTED 18" AFF TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.
13. ALL RECEPTACLES AND OUTLETS ABOVE COUNTER HEIGHT ARE TO BE MOUNTED 6" ABOVE TOP OF COUNTER OR 6" ABOVE BACKSPLASH (WHERE OCCURS) TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.
14. REFER TO SHEET A-002 FOR CABINET TYPES (I.E. 154 OR 222)
15. REFER TO SHEET A-001 FOR MOUNTING LOCATIONS.

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7/1/2025 9:44:38 AM

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Missouri State Certificate of Authority
Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

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CHECKED BY: CD
DESIGNED BY: CD

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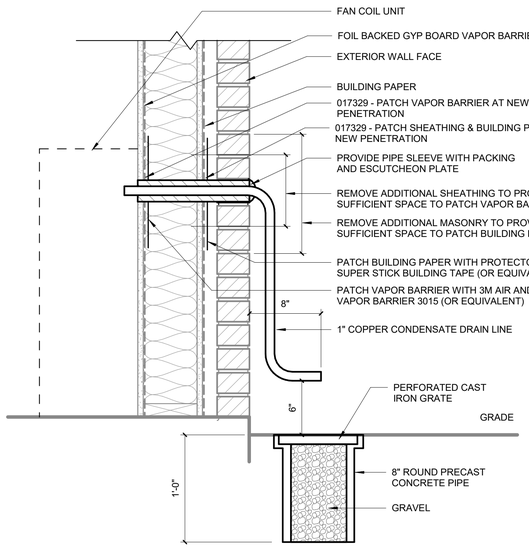
INTERIOR ELEVATIONS - A WING

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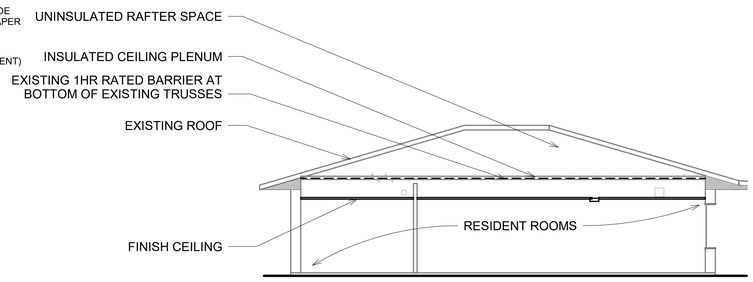
A-202

19 OF 93 SHEETS
06/26/2025

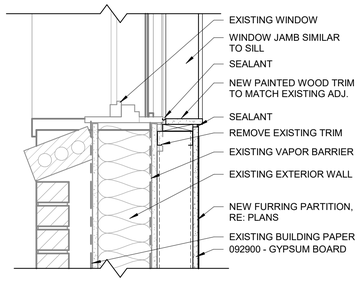
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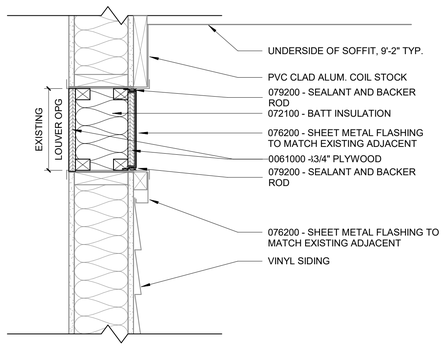
12 CONDENSATE THROUGH WALL DETAIL
1 1/2" = 1'-0"



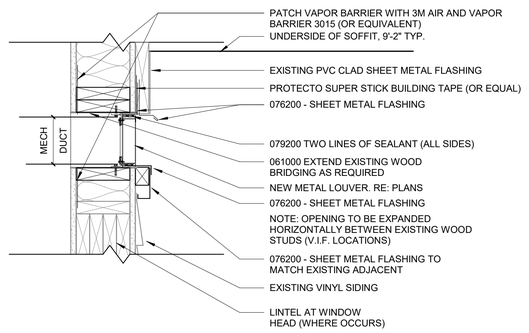
10 A WING BUILDING TYPICAL SECTION
1/8" = 1'-0"



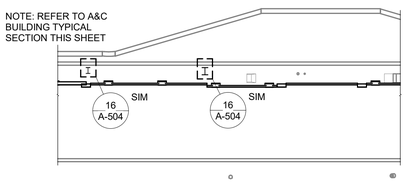
5 FURRING AT EXISTING WINDOW
1 1/2" = 1'-0"



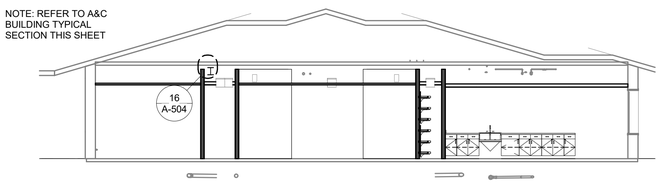
4A EXHAUST VENT CAP DETAIL
1 1/2" = 1'-0"



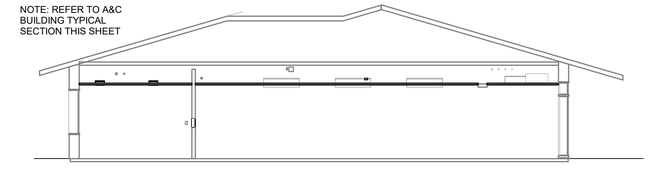
4 EXHAUST VENT DETAIL
1 1/2" = 1'-0"



3 SECTION AT A-WING HOME
1/8" = 1'-0"



2 SECTION AT A-WING HOME
1/8" = 1'-0"



1 SECTION AT A-WING HOME
1/8" = 1'-0"

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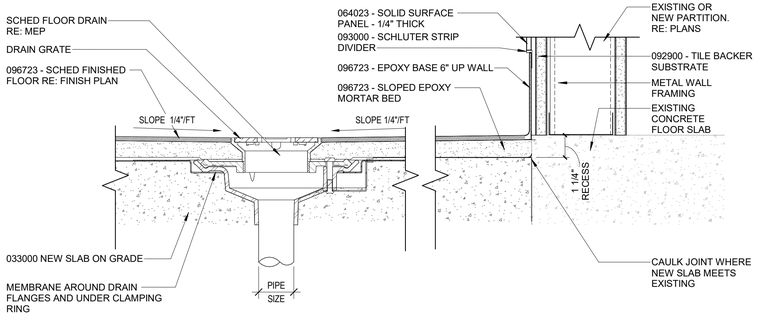
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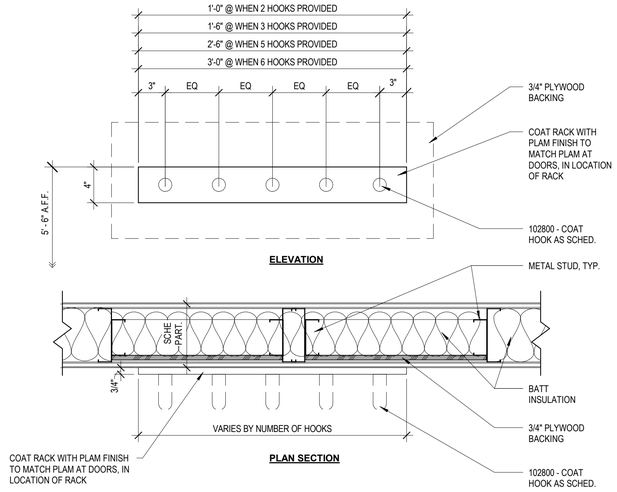
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20 OF 93 SHEETS
06/26/2025

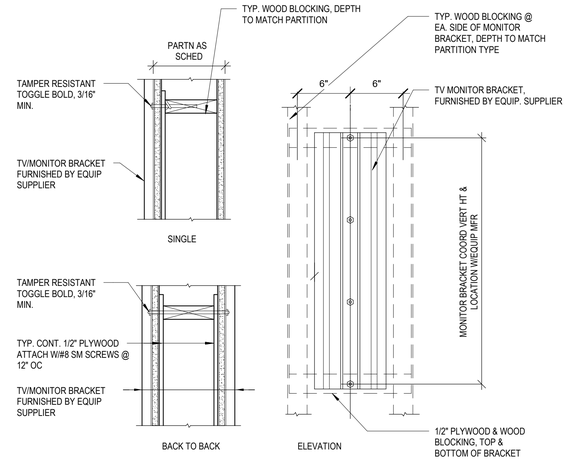
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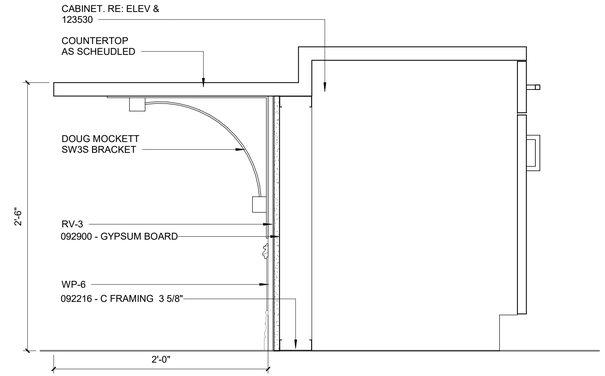
9 TYPICAL FLOOR DRAIN DETAIL
3" = 1'-0"



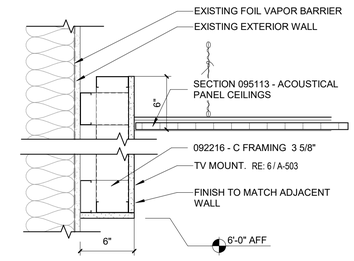
8 COAT RACK
1 1/2" = 1'-0"



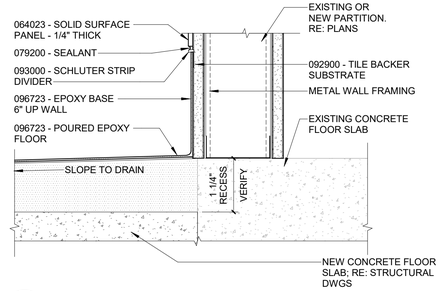
6 WALL MOUNTED TV / MONITOR BRACKET
1 1/2" = 1'-0" BRACKET BY AV PROVIDER. FOR REFERENCE ONLY



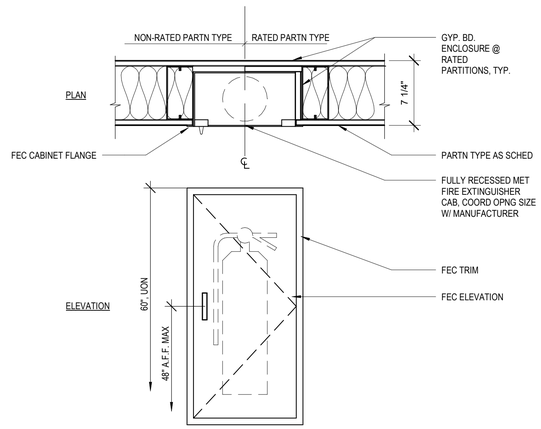
7 SECTION DETAIL AT KITCHENETTE ISLAND
1 1/2" = 1'-0"



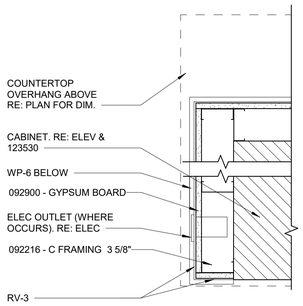
4 SECTION DETAIL AT EXT WALL TV BOX
1 1/2" = 1'-0"



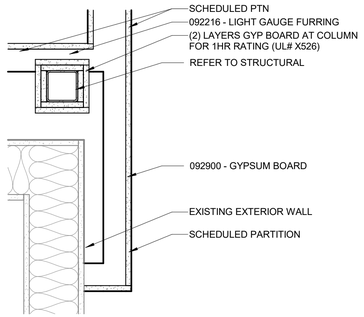
3 SHOWER FLOOR/ STUD WALL
3" = 1'-0"



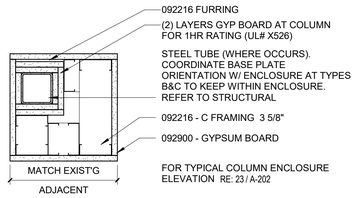
1 FIRE EXTINGUISHER
1 1/2" = 1'-0"



5 PLAN DETAIL AT CASEWORK CORNER
1 1/2" = 1'-0"



2A PLAN DETAIL AT STRUCT COLUMN
1 1/2" = 1'-0"



2 PLAN DETAIL AT STRUCT COLUMN
1 1/2" = 1'-0"

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STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

STATE OF MISSOURI
AMY ANN PHILLIPS
NUMBER A-2011008161
ARCHITECT
06·26·2025
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Missouri State Certificate of Authority
Architecture: # 000051
Missouri State Certificate of Authority
Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI
VETERANS COMMISSION

ST. LOUIS VETERANS
HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

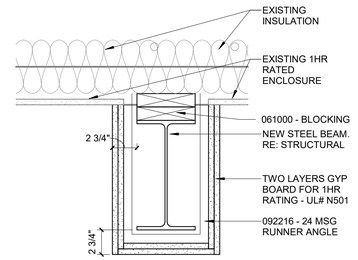
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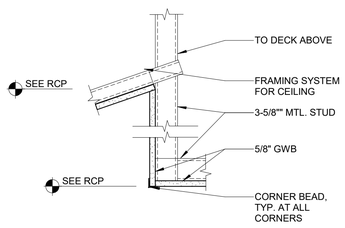
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21 OF 93 SHEETS
06/26/2025

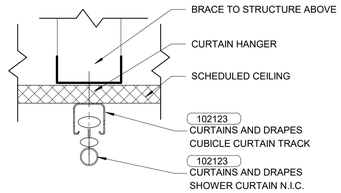
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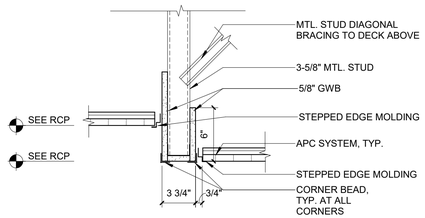
16 SECTION DETAIL
1 1/2" = 1'-0"



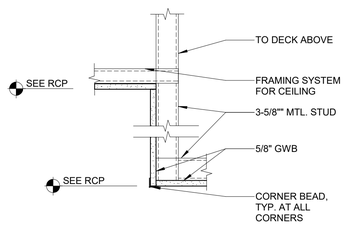
10 CEILING DETAIL
1 1/2" = 1'-0"



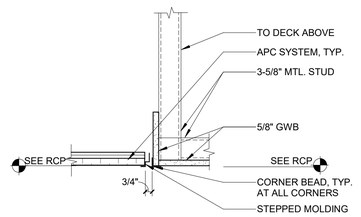
8 CURTAIN TRACK
3" = 1'-0"



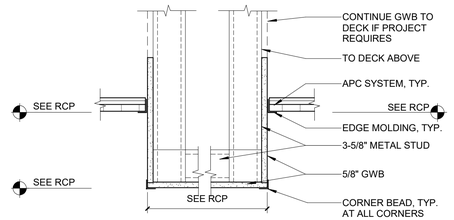
7 CEILING DETAIL
1 1/2" = 1'-0"



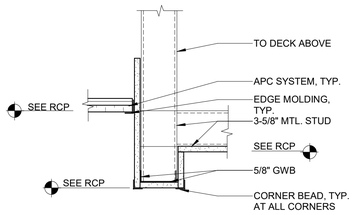
6 CEILING DETAIL
1 1/2" = 1'-0"



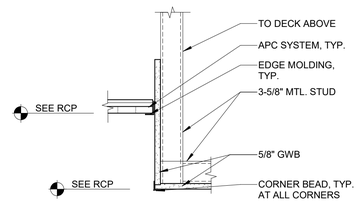
5 CEILING DETAIL
1 1/2" = 1'-0"



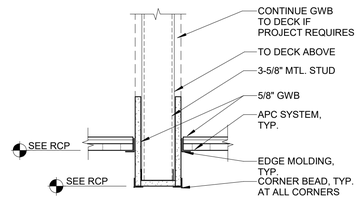
4 CEILING DETAIL
1 1/2" = 1'-0"



3 CEILING DETAIL
1 1/2" = 1'-0"



2 CEILING DETAIL
1 1/2" = 1'-0"



1 CEILING DETAIL
1 1/2" = 1'-0"

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FACULTY # 8136804001

REVISION DATE

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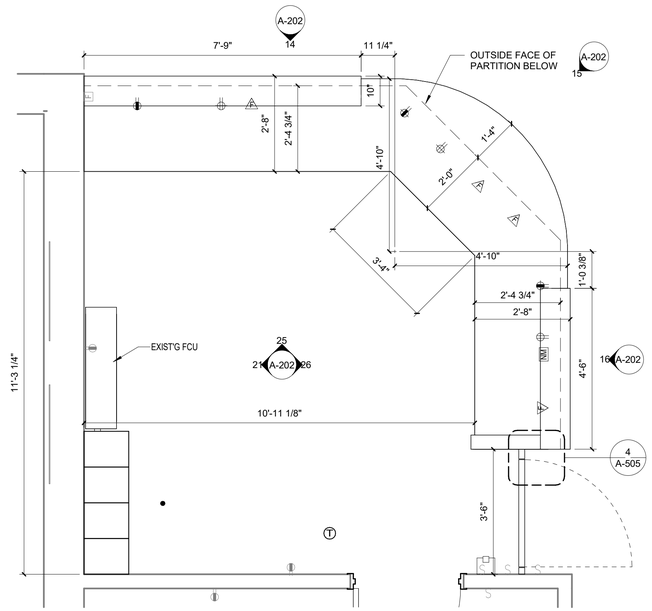
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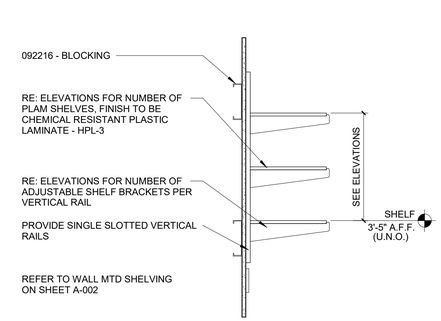
A-504

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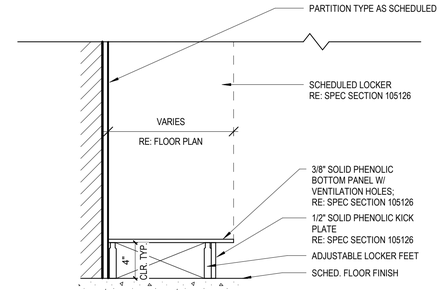
8 ENLARGED PLAN - A WING NURSE STATION

1/2" = 1'-0"



6 SECTION @ WALL MOUNTED P-LAM SHELVING

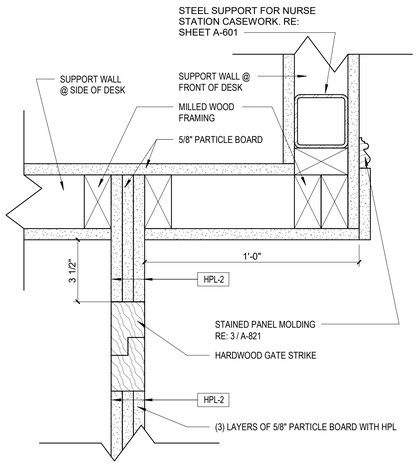
1" = 1'-0"



NOTE: TYPICAL FOR ALL LOCKER LOCATIONS (U.N.O)

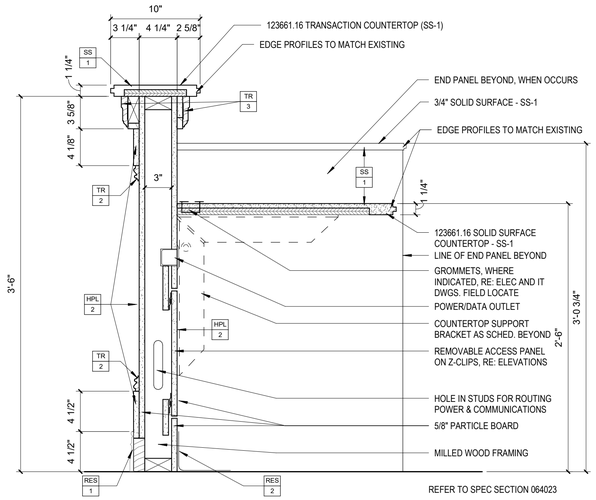
5 LOCKER BASE DETAIL

1 1/2" = 1'-0"



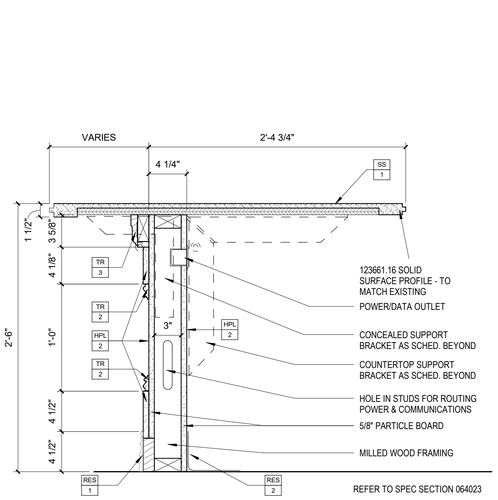
4 PLAN DETAIL - NURSE STN GATE

3" = 1'-0"



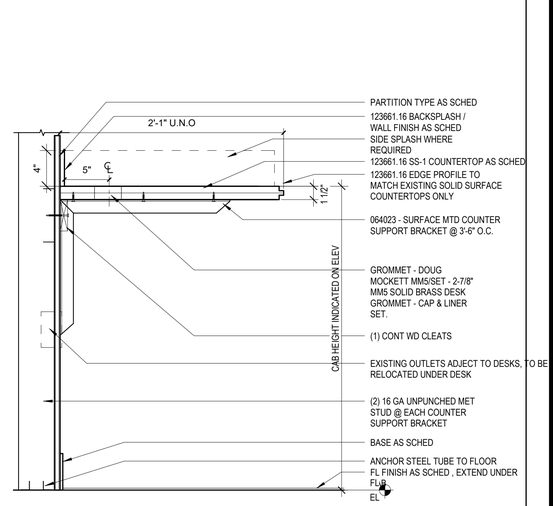
3 NURSE STATION TRANSACTION DETAIL

1 1/2" = 1'-0"



2 NURSE STATION ADA DETAIL

1 1/2" = 1'-0"



1 CANTILEVERED COUNTER TOP DETAIL

1 1/2" = 1'-0"

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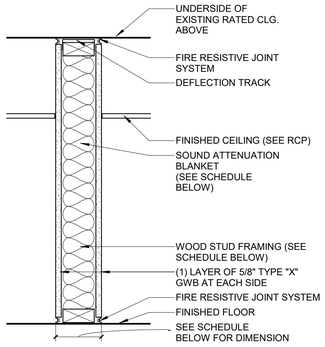
CASEWORK DETAILS

SHEET NUMBER:

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23 OF 93 SHEETS
06/26/2025

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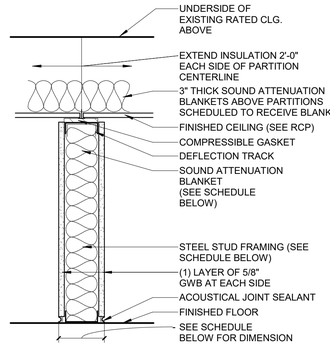


TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	STC	KEYED NOTES
U1	3-1/2"	4-3/4"	NONE	N/A	N/A
U2	3-1/2"	4-3/4"	3"	45	N/A

U 1 HR RATED PARTITION

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

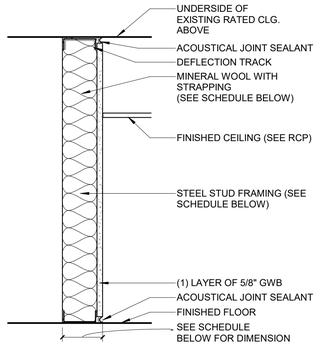
UL DESIGN U359



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	STC	KEYED NOTES
P1	2-1/2"	3-3/4"	NONE	N/A	N/A
P2	2-1/2"	3-3/4"	3"	40	2
P3	3-5/8"	4-7/8"	NONE	N/A	N/A
P4	3-5/8"	4-7/8"	3"	40	2
P5	4"	5-1/4"	NONE	N/A	N/A
P6	4"	5-1/4"	3"	40	2

P NON-RATED PARTITION

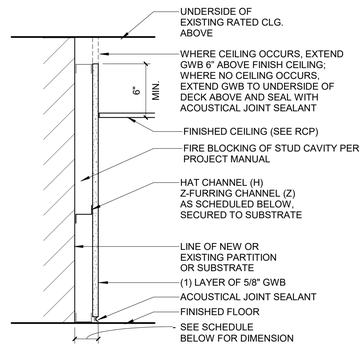
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	STC	KEYED NOTES
M1	1-5/8"	2-1/4"	1-1/2"	N/A	N/A
M2	2-1/2"	3-1/8"	2"	N/A	N/A
M3	3-5/8"	4-1/4"	3"	N/A	N/A
M6	6"	6-5/8"	3"	N/A	N/A

M NON-RATED PARTITION

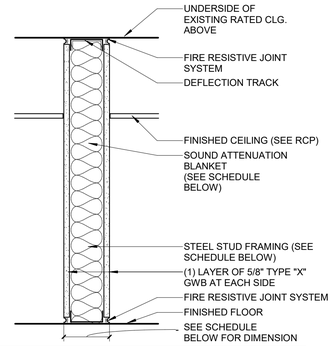
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	STC	KEYED NOTES
J1	7/8" (H)	1-1/2"	NONE	N/A	N/A
J2	1" (Z)	1-5/8"	NONE	N/A	N/A
J3	1- 1/2" (Z)	2-1/8"	NONE	N/A	N/A
J4	2" (Z)	2-5/8"	NONE	N/A	N/A

J NON-RATED PARTITION

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

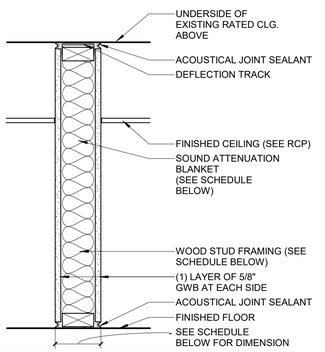


TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	STC	KEYED NOTES
A1	3-5/8"	4-7/8"	NONE	N/A	N/A
A2	3-5/8"	4-7/8"	3"	45	N/A
A3	4"	5-1/4"	NONE	N/A	N/A
A4	4"	5-1/4"	3"	45	N/A
A5	6"	7-1/4"	NONE	N/A	N/A
A6	6"	7-1/4"	3"	45	N/A

A 1 HR RATED PARTITION

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

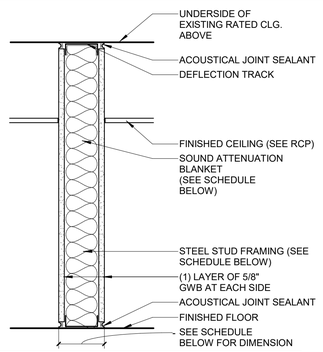
UL DESIGN U465



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	STC	KEYED NOTES
S1	3-1/2"	4-3/4"	NONE	N/A	N/A
S2	3-1/2"	4-3/4"	3"	45	N/A

S NON-RATED PARTITION

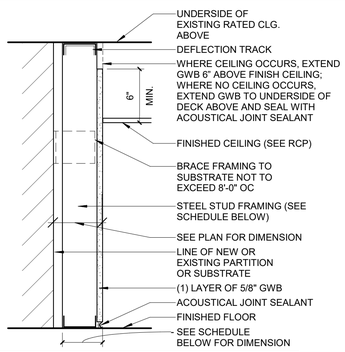
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	STC	KEYED NOTES
R1	3-5/8"	4-7/8"	NONE	N/A	N/A
R2	3-5/8"	4-7/8"	3"	45	N/A
R3	4"	5-1/4"	NONE	N/A	N/A
R4	4"	5-1/4"	3"	45	N/A
R5	6"	7-1/4"	NONE	N/A	N/A
R6	6"	7-1/4"	3"	45	N/A

R NON-RATED PARTITION

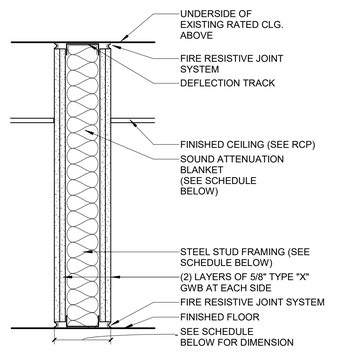
SCALE: 1 1/2" = 1'-0"



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	STC	KEYED NOTES
L1	1-5/8"	2-1/4"	NONE	N/A	N/A
L2	2-1/2"	3-1/8"	NONE	N/A	N/A
L3	3-5/8"	4-1/4"	NONE	N/A	N/A
L4	4"	4-5/8"	NONE	N/A	N/A

L NON-RATED PARTITION

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



TYPE	STUD SIZE	PART. THICK.	SOUND ATTN BLANKET	STC	KEYED NOTES
C1	3-5/8"	6-1/8"	NONE	N/A	N/A
C2	3-5/8"	6-1/8"	3"	55	Z 3
C3	4"	6-1/2"	NONE	N/A	N/A
C4	4"	6-1/2"	3"	55	Z 3
C5	6"	8-1/2"	NONE	N/A	N/A
C6	6"	8-1/2"	3"	55	Z 3

C 2 HR RATED PARTITION

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

UL DESIGN U411

PARTITION SHEET KEYED NOTES

1. STC IS BASED ON 20 GAUGE (0.033" BASE METAL THICKNESS) MAXIMUM STUDS.
2. STC IS BASED ON CEILING WITH MINIMUM 35 CAC.
3. NON-RATED SOUND PARTITION, USE ACOUSTICAL JOINT SEALANT IN LIEU OF FIRE RESISTIVE JOINT SEALANT.
4. PROVIDE ADDITIONAL LAYER OF 5/8" GWB ON LINER SIDE OF SHAFT PARTITION. ADDITIONAL LAYER TO EXTEND MIN 6" ABOVE FINISHED CEILING UNO.

PARTITION SHEET GENERAL NOTES

1. NOTE: SEAL ALL OPENINGS, GAPS, PENETRATIONS, AND JOINTS IN PARTITION TYPES AS FOLLOWS:
   A. FIRE-RATED PARTITIONS OR BARRIERS AND SMOKE BARRIERS: SEAL IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE DIVISION 07 SPECIFICATION SECTIONS FOR PENETRATION FIRESTOP SYSTEMS AND FIRE RESISTIVE JOINT SYSTEMS. REFER TO CODE COMPLIANCE DRAWINGS FOR LOCATIONS OF ALL FIRE- AND SMOKE-RATED PARTITIONS.
   B. REFER TO UL DESIGN NUMBER PROVIDED FOR DETAILED CONSTRUCTION REQUIREMENTS.
   C. SMOKE PARTITIONS (PARTITIONS DESIGNED TO RESIST THE PASSAGE OF SMOKE): SEAL COMPLETELY WITH ELASTOMERIC SEALANT. FOR THE LOCATION AND EXTENT REFER TO CODE COMPLIANCE DRAWINGS.
   D. OTHER LOCATIONS: SEAL AS INDICATED AND REQUIRED ELSEWHERE BY THE CONTRACT DOCUMENTS.
   E. FOR ALL NON-RATED PARTITIONS, CLOSE THE VOID BETWEEN PARTITION AND UNDERSIDE OF FLOOR OR ROOF DECK WITH MINERAL WOOL (SAFING INSULATION) AND PROVIDE 1/2" DEEP NON-SAG ACOUSTICAL JOINT SEALANT, BEADED.
2. ALL FIRE AND SMOKE-RATED PARTITIONS
   ACCESSIBLE, CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS, OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS, SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE.
   A. MARKING FIRE-RESISTANCE-RATED ASSEMBLIES: APPLY HOURLY RATING TEXT IN 4-INCH (101.6 mm) HIGH RED NUMBERS AND BLACK ARIAL FONT LETTERS AT MAXIMUM 10 FEET BETWEEN RATING TEXT APPLICATIONS AS MEASURED FROM BEGINNING OF ONE TEXT APPLICATION TO END OF NEXT TEXT APPLICATION EXTENDING FROM ONE END OF FIRE-RESISTANCE-RATED WALL TO OPPOSITE END OF FIRE-RESISTANCE-RATED WALL. LOCATED 6 INCHES (152.4 mm) ABOVE FINISHED CEILING TO BOTTOM OF TEXT. REFER TO SPECIFICATION SECTION 0092900-2.1A.1
3. STC-RATED ASSEMBLIES/SOUND RATED PARTITIONS (ALL PARTITIONS INDICATED WITH SOUND ATTENUATION BLANKET):
   A. STC RATINGS ARE BASED ON 25 GAUGE (0.0179" BASE METAL THICKNESS) MAXIMUM STUDS SPACED AT 16 INCHES ON CENTER. THICKER BASE METAL OR CLOSER STUD SPACING WILL REDUCE THE STC RATING.
   B. STAGGER LAYERS OF GYB ON OPPOSITE SIDES OF THE WALL BY AT LEAST 16 INCHES TO OFFSET SEAMS.
   C. STAGGER LAYERS OF GYB ON SAME SIDE OF THE WALL BY AT LEAST FOUR INCHES TO OFFSET SEAMS.
   D. MAINTAIN A ¼ INCH GAP BETWEEN THE GYB AND THE FLOOR, FILL WITH ACOUSTICAL JOINT SEALANT.
   E. MAINTAIN A ¼ INCH GAP BETWEEN THE GYB AND THE CEILING, FILL WITH ACOUSTICAL JOINT SEALANT.
   F. FILL ANY GYB SEAM GREATER THAN ⅛ INCH WITH ACOUSTICAL JOINT SEALANT.
   G. FILL EACH INDIVIDUAL LAYER OF GYB GAP WITH ACOUSTICAL JOINT SEALANT BEFORE THE NEXT LAYER OF GYB IS INSTALLED.

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6/26/2025 9:54:51 AM

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

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Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI
VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

CAD DWG FILE:
DRAWN BY: CD
CHECKED BY: CD
DESIGNED BY: CD

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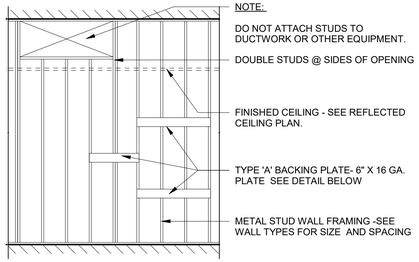
PARTITION TYPES

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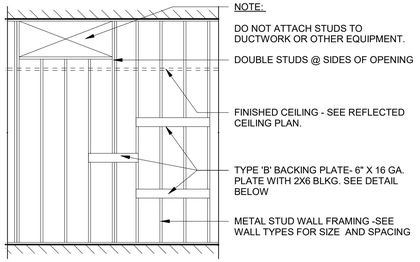
A-600

24 OF 93 SHEETS
06/26/2025

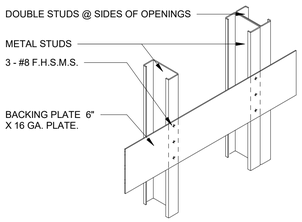
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BACKING PLATE TYPE 'A'



BACKING PLATE TYPE 'B'



NOTES

1. TYPE 'A' BACKING PLATE FOR MISC. ITEMS. IE: SURFACE MOUNTED MIRRORS, WASTE RECEPTACLES, TOWEL DISPENSERS, ETC. MAXIMUM WEIGHT - 50 LBS

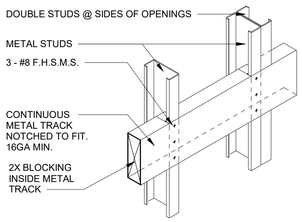
2. 3-5/8" METAL STUD MIN. PROVIDE LARGER STUD SIZE AND/OR GAUGE IF REQUIRED BY WALL TYPES.

3. VERIFY LENGTH, HEIGHT, LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ACCESSORY MANUFACTURERS.

4. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.

5. WALL STUD FLANGES ARE CONTINUOUS.

CONNECTION DETAIL TYPE "A"



NOTES

1. TYPE 'B' BACKING PLATE FOR UPPER WALL HUNG CABINETS (UP TO 2 SHELVES), BASE CABINETS, FULL HEIGHT CABINETS, HANDRAILS GUARDRAILS, GRAB BARS, WALL HUNG EQUIP, TOWEL BARS, ETC.. MAXIMUM WEIGHT - 100 POUNDS/FOOT MAX

2. 3-5/8" METAL STUD MIN. PROVIDE LARGER STUD SIZE AND/OR GAUGE IF REQUIRED BY WALL TYPES.

3. VERIFY LENGTH, HEIGHT, LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ACCESSORY MANUFACTURERS.

4. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.

5. WALL STUD FLANGES ARE CONTINUOUS.

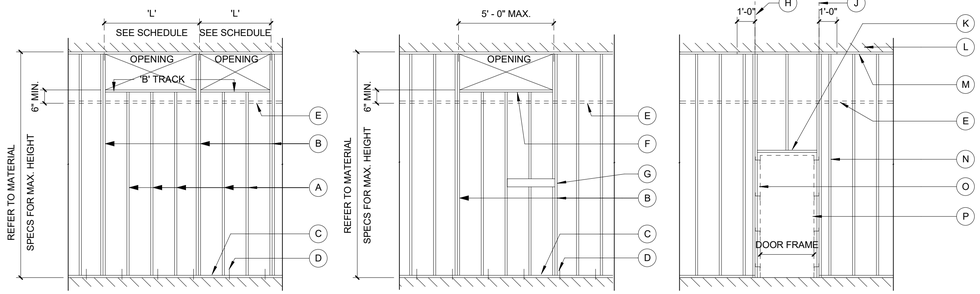
CONNECTION DETAIL TYPE "B"

NOTE:

WHERE A ONE HOUR RATING IS REQUIRED, COMPLETELY ENCLOSE PORTIONS OF WALLS WITH TYPE "B" BACKING PLATE WITH 5/8" TYPE X GYP-BOARD FOR A 1-HOUR RATED ASSEMBLY (WALL SHALL MEET REQMTS OF UL DESIGN NO. U419)

BACKING CRITERIA

STUDS AND HEADER SCHEDULE		
'L' (LENGTH)	'A' STUDS	'B' TRACKS
UP TO 4'-0"	SCREW STUD	TRACK CHANNEL
4'-1" TO 8'-0"	(2) - SCREW STUDS	TRACK CHANNEL



A. REFER TO WALL TYPE CRITERIA NOTES FOR SIZE AND HEIGHT . REFER TO SPECS FOR GA. AND SPACING.

B. DOUBLE SCREW STUDS - FASTEN DOUBLE STUDS AT 1'-0" O.C. UNLESS OTHERWISE NOTED IN THE DRAWINGS OR SPECIFICATIONS.

C. TRACK - ATTACH ALL STUDS TO BTM. TRACK WITH SHEET METAL SCREWS EA. SIDE.

D. ROUND POWER ACTUATED DRIVE PINS AT 2'-0" O.C.

E. FINISHED CEILING - SEE REFLECTED CEILING PLAN.

F. STUD HEADER - SEE SCHEDULE ABOVE.

G. SEE DETAIL 1 ON THIS SHEET FOR BACKING PLATE CRITERIA.

H. TRACK. EXTEND 1'-0" BEYOND EA. JAMB.

J. DRIVE PINS AT 2'-0" O.C. AND 3" FROM CL OF JAMB STUDS (1 EA. SIDE)

K. FRAMING AT HEAD:
3'-0" DOORS OR LESS - TRACK
3'-0" DOORS TO 8'-0" MAX. - (2) TRACKS.

L. FLOOR OR ROOF SYSTEM ABOVE.

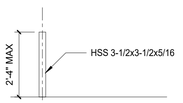
M. HEAD TRACK. - SEE SLIP JOINT DETAILS THIS SHEET.

N. STUDS - SEE WALL TYPES.

O. FRAMING AT JAMBS:
3'-0" DOORS OR LESS - (2) STUDS TO STRUCTURE ABOVE.
3'-0" DOORS OR LARGER - (2) STUDS.

P. HOLLOW METAL DOOR FRAME WITH STL. "ZEE" CLIPS - 4 PER JAMB FASTENED TO FRAME. SCREW TO STUDS WITH (2) S.M.S. EA. CLIP (TYP).

FRAMING CRITERIA

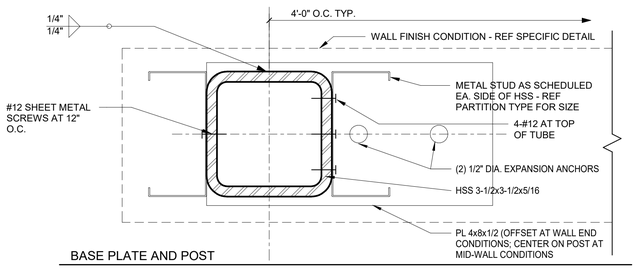


ELEVATION

NOTES:

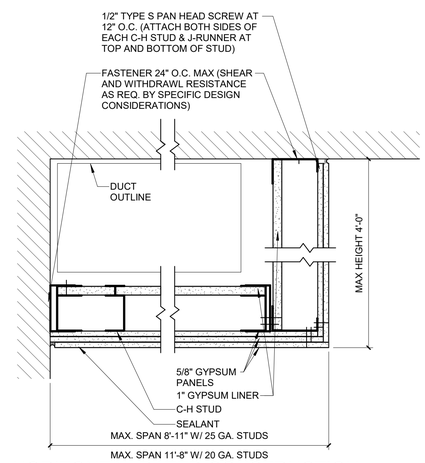
1. THIS DETAIL REPRESENTS TYPICAL STEEL SUPPORT FOR PARTIAL HEIGHT PARTITIONS AND VANITY COUNTERS UNLESS INDICATED OTHERWISE IN SPECIFIC DETAILS.
2. ALL STEEL CONNECTIONS SHALL BE WELDED WITH 1/4" FILLET WELDS FULL AROUND.
3. REFER TO INDIVIDUAL SPECIFIC DETAILS FOR DIMENSIONS, LAYOUTS, AND SURROUNDING CONSTRUCTION.

7/8"

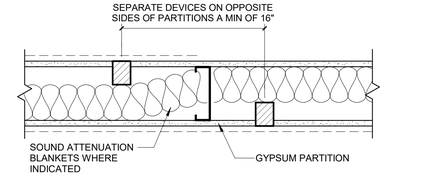


BASE PLATE AND POST

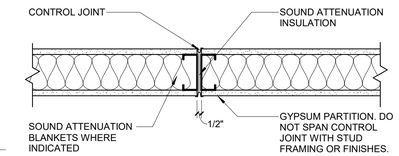
STEEL SUPPORT FOR NURSE STATION CASEWORK



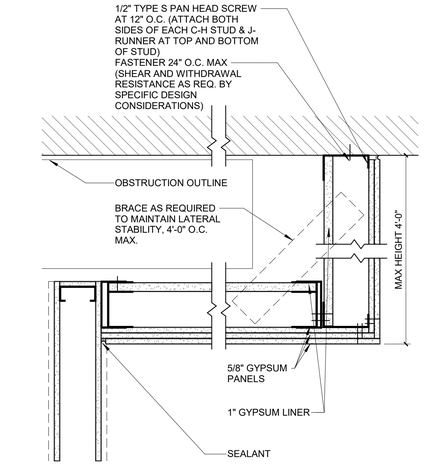
HORIZONTAL RATED CONSTRUCTION



DEVICE SEPARATION AT FRAMED PARTITIONS

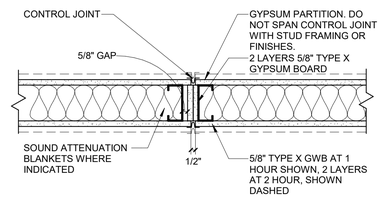


CONTROL JOINT AT NON-RATED WALL

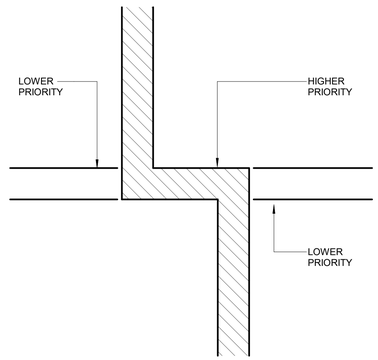


OFFSET RATED WALL AS REQUIRED TO ACCOMMODATE OBSTRUCTIONS

OFFSET RATED WALL CONSTRUCTION



CONTROL JOINT AT RATED GYPSUM WALL



CONSTRUCTION	PRIORITY
TWO HOUR FIRE & SMOKE WALL	1
TWO HOUR FIRE & SHAFT WALL	2
ONE HOUR FIRE & SMOKE WALL	3
ONE HOUR FIRE WALL	4
CORRIDOR WALL	5
NON-RATED WALL	6

INTERSECTION PRIORITY

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ST. LOUIS, MISSOURI

PROJECT # U2307-01

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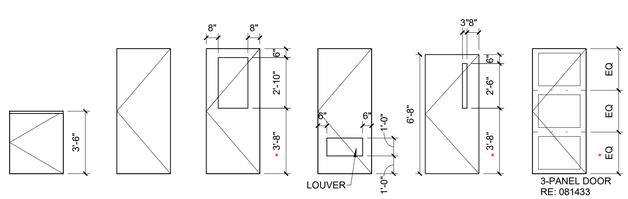
PARTITION TYPES

SHEET NUMBER:

A-601

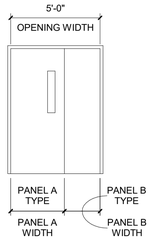
25 OF 93 SHEETS
06/26/2025

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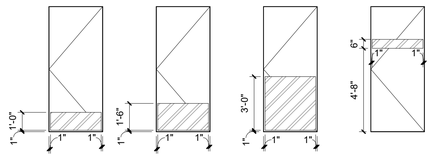


DD F HG HL NV FP

PANEL TYPES



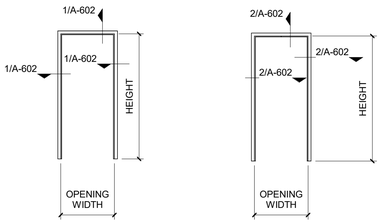
PANEL KEY



1 2 3 4

ARMOR PLATE CONFIGURATIONS

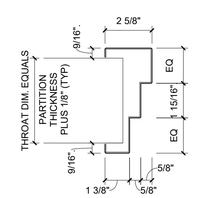
ARMOR PLATE NOTES:
1. REFER TO 087100
2. CM TO CONFIRM THAT NEW ARMOR PLATES COVER DAMAGE AND/OR REMOVED ARMOR PLATE AT EXISTING DOORS
3. EXISTING ARMOR PLATES NOT SHOWN. IF NEW ARMOR PLATE CONFLICTS WITH EXISTING ARMOR PLATE, THEN EXISTING IS TO BE REMOVED AND NEW INSTALLED
4. ALL ARMOR PLATES TO BE STAINLESS STEEL



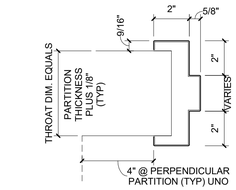
00 STANDARD STOP

00-DE DOUBLE EGRESS

FRAME TYPES



2 HM PROFILE
3" = 1'-0"



1 HM PROFILE
3" = 1'-0"

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DESIGNED BY: CD

SHEET TITLE:

DOORS & BORROWED LIGHTS

SHEET NUMBER:

A-602

26 OF 93 SHEETS
06/26/2025

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DOOR SCHEDULE - A NEIGHBORHOOD (1X)

OPENING NUMBER	DOOR									FRAME		SCHEDULE FIRE RATING	STC	HARDWARE GROUP	COMMENTS
	OPENING WIDTH	OPENING HEIGHT	PANEL A TYPE	PANEL A WIDTH	PANEL B TYPE	PANEL B WIDTH	THICKNESS	MATERIAL	GLAZING TYPE	MATERIAL & TYPE	GLAZING TYPE				
200.1	7' - 0"	6' - 8"	NV	3' - 6"	NV		1 3/4"	WD	GLI-2	HM-00-DE	-	45 MIN		23	5, 12
200.2	7' - 0"	6' - 8"	NV	3' - 6"	NV		1 3/4"	WD	GLI-2	HM-00-DE	-	45 MIN		23	5, 12
200.3	7' - 0"	6' - 8"	NV	3' - 6"	NV		1 3/4"	WD	GLI-2	HM-00-DE	-	45 MIN		23	5, 12
200.4	7' - 0"	6' - 8"	NV	3' - 6"	NV		1 3/4"	WD	GLI-2	HM-00-DE	-	45 MIN		23	5, 12
201	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		11	12
202	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		11	12
203	3' - 0"	6' - 8"	NV				1 3/4"	WD	-	HM-00	-	45 MIN		20	12
204	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		16	1
205	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		17	1, 10, 11
206	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		18	1, 10
207	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		18	1, 10
208	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		18	1, 10
209	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		18	1, 10
210	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	45 MIN		12	10, 11, 12
221	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		11	8, 12
222	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		17	1, 10, 11
223	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		5	8, 12
224	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		20	10, 12
225.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	45 MIN		19	1, 10
225.2	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	45 MIN		5	1
227	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		24	12
228	7' - 0"	6' - 8"	NV	3' - 6"	NV		1 3/4"	HM	GLI-3	HM-00-DE	-	90 MIN		23	5, 12
229	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		24	10, 12
230	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		24	8, 12
230.1	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		21	8, 12
231	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		15	1
232	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	45 MIN		16	1, 8
233	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		20	10, 12
234	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		20	8, 12
235	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		20	8, 12
237	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		17	1, 10, 11
238	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	45 MIN		12	10, 11, 12
239	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		18	1, 10
240	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		18	1, 10
241	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		11	8, 12
242	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		11	8, 12

DOOR SCHEDULE - A NEIGHBORHOOD EGRESS (1X)

OPENING NUMBER	DOOR									FRAME		SCHEDULE FIRE RATING	STC	HARDWARE GROUP	COMMENTS
	OPENING WIDTH	OPENING HEIGHT	PANEL A TYPE	PANEL A WIDTH	PANEL B TYPE	PANEL B WIDTH	THICKNESS	MATERIAL	GLAZING TYPE	MATERIAL & TYPE	GLAZING TYPE				
E201	4' - 0"	7' - 0"	HG				1 3/4"	HM	1/4" TEMP	HM-00	-	-		5	2, 4
E202	4' - 0"	7' - 0"	HG				1 3/4"	HM	1/4" TEMP	HM-12	1/4" TEMP	-		5	2, 4
E203	7' - 4"	6' - 8"	NV	3' - 8"	NV		1 3/4"	WD	GLI	HM-00-DE	-	-		23	5, 12
E204	7' - 4"	7' - 0"	NV	3' - 8"	NV		1 3/4"	HM	GLI-3	HM-00-DE	-	90 MIN		23	5, 12

DOOR SCHEDULE - A HOME EGRESS (4X)

OPENING NUMBER	DOOR									FRAME		SCHEDULE FIRE RATING	STC	HARDWARE GROUP	COMMENTS
	OPENING WIDTH	OPENING HEIGHT	PANEL A TYPE	PANEL A WIDTH	PANEL B TYPE	PANEL B WIDTH	THICKNESS	MATERIAL	GLAZING TYPE	MATERIAL & TYPE	GLAZING TYPE				
E101	4' - 0"	7' - 0"	HG				1 3/4"	HM	1/4" TEMP	HM-12	1/4" TEMP	-		5	2, 4
E102	4' - 0"	7' - 0"	HG				1 3/4"	HM	1/4" TEMP	HM-12	1/4" TEMP	-		5	2, 4
E103	4' - 0"	7' - 0"	HG				1 3/4"	HM	1/4" TEMP	HM-12	1/4" TEMP	-		5	2, 4
E104	3' - 8"	7' - 0"	F				1 3/4"	HM	-	HM-00	-	-		5	2, 4

DOOR SCHEDULE - A HOME (4X)

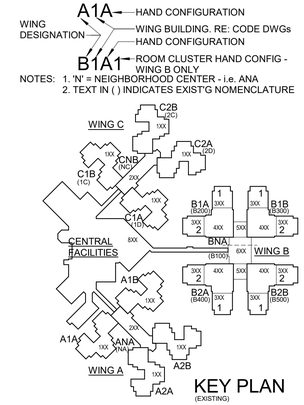
OPENING NUMBER	DOOR									FRAME		SCHEDULE FIRE RATING	STC	HARDWARE GROUP	COMMENTS
	OPENING WIDTH	OPENING HEIGHT	PANEL A TYPE	PANEL A WIDTH	PANEL B TYPE	PANEL B WIDTH	THICKNESS	MATERIAL	GLAZING TYPE	MATERIAL & TYPE	GLAZING TYPE				
100	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
100.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		2	
101	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
101.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		2	
102	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
102.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		2	
103	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
103.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		3	
104	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
104.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		3	
106	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
106.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		2	
107	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
107.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		2	
108	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
108.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		3	
109	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
109.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		2	
111	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
111.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		3	
112	4' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		1	
112.1	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		3	
151	3' - 6"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		4	
152	5' - 0"	6' - 8"	F	2' - 6"	F	2' - 6"	1 3/4"	WD	-	HM-00	-	45 MIN		5	1
153	5' - 0"	6' - 8"	F	2' - 6"	F	2' - 6"	1 3/4"	WD	-	HM-00	-	-		6	
154	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	45 MIN		5	1
155	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	-		7	
156	5' - 0"	6' - 8"	F	2' - 6"	F	2' - 6"	1 3/4"	WD	-	HM-00	-	-		8	
157	5' - 0"	6' - 8"	F	2' - 6"	F	2' - 6"	1 3/4"	WD	-	HM-00	-	-		8	
158	3' - 0"	6' - 8"	F				1 3/4"	WD	-	HM-00	-	45 MIN		9	10, 11, 15

DOOR SCHEDULE GENERAL NOTES

1. REFER TO KEY PLAN FOR PREFIX DESIGNATION CODE - EACH 'HOME' AND 'NEIGHBORHOOD CENTER'. SEE HAND CONFIGURATION NOTES.
2. EACH DOOR LISTED IN SCHEDULE REPRESENTS A UNIQUE NUMBER OF IDENTICAL DOORS (OPP HAND WHERE OCCURS) DENOTED BY 8X, 4X, 2X OR 1X IN TITLE OF SCHEDULE. EACH DOOR GETS A PREFIX FOR THE LOCATION ON KEY PLAN - SEE FOLLOWING NOTES FOR EXAMPLES
   A. A WING 'HOME' DOORS ARE 1XX (i.e. A1A-101)
   B. A WING 'NEIGHBORHOOD CENTER' DOORS ARE 2XX (i.e. ANA-201)
   C. SMOKING LOUNGE DOORS ARE 8XX (i.e. 806)
3. REFER TO CODE COMPLIANCE PLANS FOR SMOKE DOORS AND 1HR RATED SMOKE DOORS
4. ALL EXISTING ACROVYN ARMOR PLATES AT EXISTING TO REMAIN DOORS TO BE REMOVED. INSTALL ARMOR PLATE CONFIGURATION 3 (RE: SHEET A-602)
5. ALL EXISTING TO REMAIN HM FRAMES TO BE PAINTED
6. ALL EXISTING TO REMAIN HM & VINYL DOORS TO BE PAINTED
7. REFER TO ARMOR PLATE LEGEND FOR ADDITIONAL ARMOR PLATES
8. REFER TO SPACE SIGNAGE DIAGRAM ON SHEET A-001 FOR ROOM # AND DIGITAL PICTURE FRAME SIGNAGE
9. ARMOR PLATES INCLUDED IN DOOR SCHEDULE AND ON THIS SHEET ARE TO GOVERN IF THERE ARE DISCREPANCIES WITH 087100

DOOR SCHEDULE COMMENTS

1. EXISTING DOOR & FRAME.
2. EXISTING HM DOOR & FRAME TO REMAIN. PAINT DOOR & FRAME
3. NOT USED
4. EXISTING EXTERIOR DOOR
5. DOOR ON ALARM ACTUATED HOLD OPENS
6. NEW WOOD DOOR WITH NEW HARDWARE.
7. WOOD CLADDING AT HM FRAME - RE: DETAIL 18/A-602
8. ARMOR PLATE CONFIGURATION 1
9. ARMOR PLATE CONFIGURATION 2
10. ARMOR PLATE CONFIGURATION 3
11. ARMOR PLATE CONFIGURATION 4
12. NEW DOOR & NEW FRAME.
13. NOT USED
14.* NEW HM DOOR IN NEW FRAME
15. ARMOR PLATES AT INTERIOR SIDE OF DOOR
16. EXISTING CASED OPENING. PAINT



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DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI
VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION	DATE

ISSUE DATE: 06/26/2025

CAD DWG FILE:
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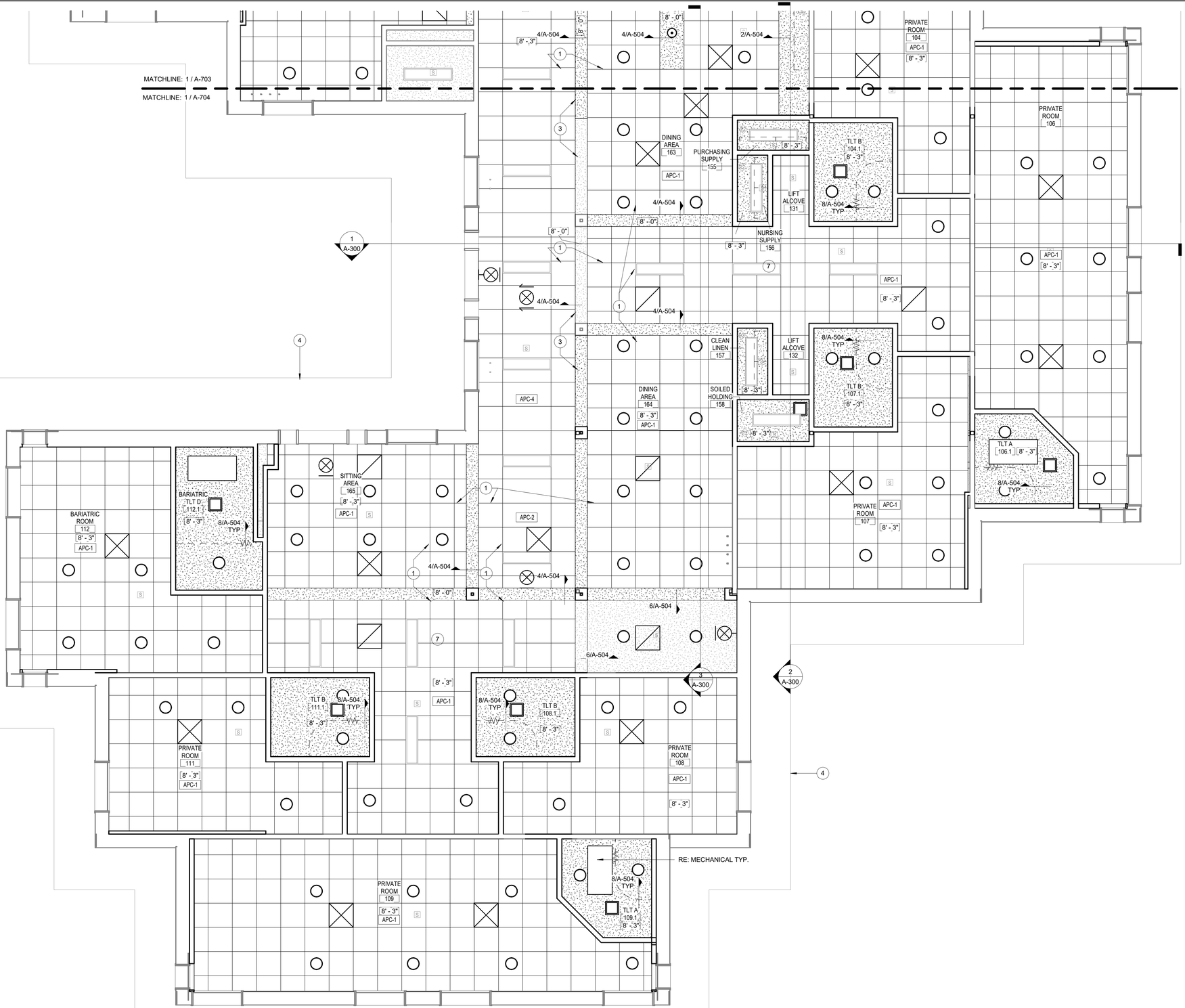
DOOR SCHEDULES FOR A-WING & STAFF LOUNGE

SHEET NUMBER:

A-603

27 OF 93 SHEETS
06/26/2025

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1 REFLECTED CEILING PLAN - A2A HOME 1
1/4" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLANS

1. MECHANICAL, ELECTRICAL AND FIRE PROTECTION DEVICES SHOWN HERE FOR COORDINATION PURPOSES ONLY. REFER TO RESPECTIVE DISCIPLINE DRAWINGS FOR LEGEND OF DEVICES AND SCOPE OF WORK.
2. REFER TO TYPICAL SECTIONS ON A-300 FOR DIAGRAM OF EXISTING RATED CEILING AT BOTTOM OF TRUSSES. MAINTAIN 1HR RATED SEPARATION. REPAIR WHERE NECESSARY TO RETAIN RATING.
3. ALL GYP BD. CEILINGS TO BE PAINTED PNT-2 UNLESS NOTED OTHERWISE.

KEYED NOTES - REFLECTED CEILING PLAN

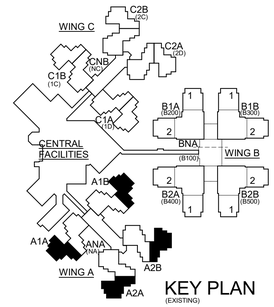
Number	Description
1	ALIGN
3	NEW SOFFIT HEIGHT TO MATCH ADJACENT EXISTING SOFFIT - V.I.F.
4	ROOF LINE
7	EXISTING 1HR RATED ACCESS PANEL INTO ATTIC SPACE (ABOVE DROP CEILING) TO REMAIN

CEILING TYPES

- 2' X 2' APC - EXISTING
- 2' X 2' APC - NEW
- 2' X 4' APC - EXISTING
- 2' X 4' APC - NEW
- GWB - EXISTING
- GWB - NEW

WING DESIGNATION
A1A – HAND CONFIGURATION
WING BUILDING. RE: CODE DWGs
HAND CONFIGURATION
B1A1 – ROOM CLUSTER HAND CONFIG - WING B ONLY

NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE



KEY PLAN (EXISTING)

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ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

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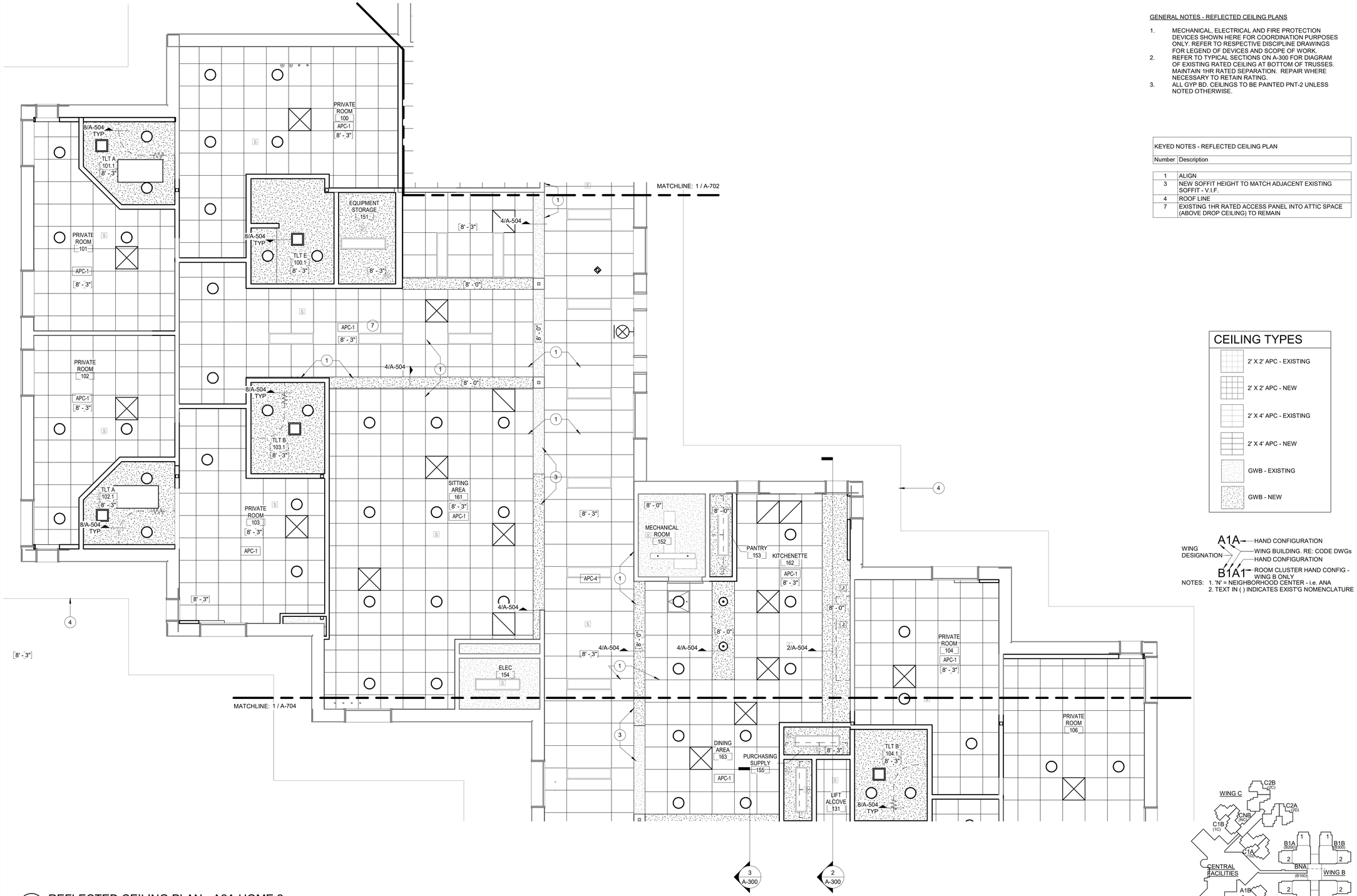
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SHEET TITLE:
RCP - A HOME 1

SHEET NUMBER:
A-702

28 OF 93 SHEETS
06/26/2025

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1 REFLECTED CEILING PLAN - A2A HOME 2
1/4" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLANS

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3. ALL GYP BD. CEILINGS TO BE PAINTED PNT-2 UNLESS NOTED OTHERWISE.

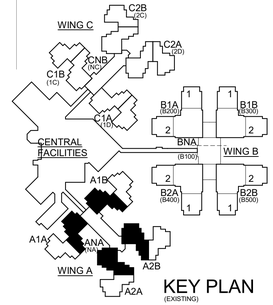
KEYED NOTES - REFLECTED CEILING PLAN	
Number	Description
1	ALIGN
3	NEW SOFFIT HEIGHT TO MATCH ADJACENT EXISTING SOFFIT - V.I.F.
4	ROOF LINE
7	EXISTING 1HR RATED ACCESS PANEL INTO ATTIC SPACE (ABOVE DROP CEILING) TO REMAIN

CEILING TYPES

- 2' X 2' APC - EXISTING
- 2' X 2' APC - NEW
- 2' X 4' APC - EXISTING
- 2' X 4' APC - NEW
- GWB - EXISTING
- GWB - NEW

A1A — HAND CONFIGURATION
WING DESIGNATION — WING BUILDING. RE: CODE DWGs
HAND CONFIGURATION
B1A1 — ROOM CLUSTER HAND CONFIG - WING B ONLY

NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE



KEY PLAN (EXISTING)

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ST. LOUIS, MISSOURI

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FACULTY # 8136804001

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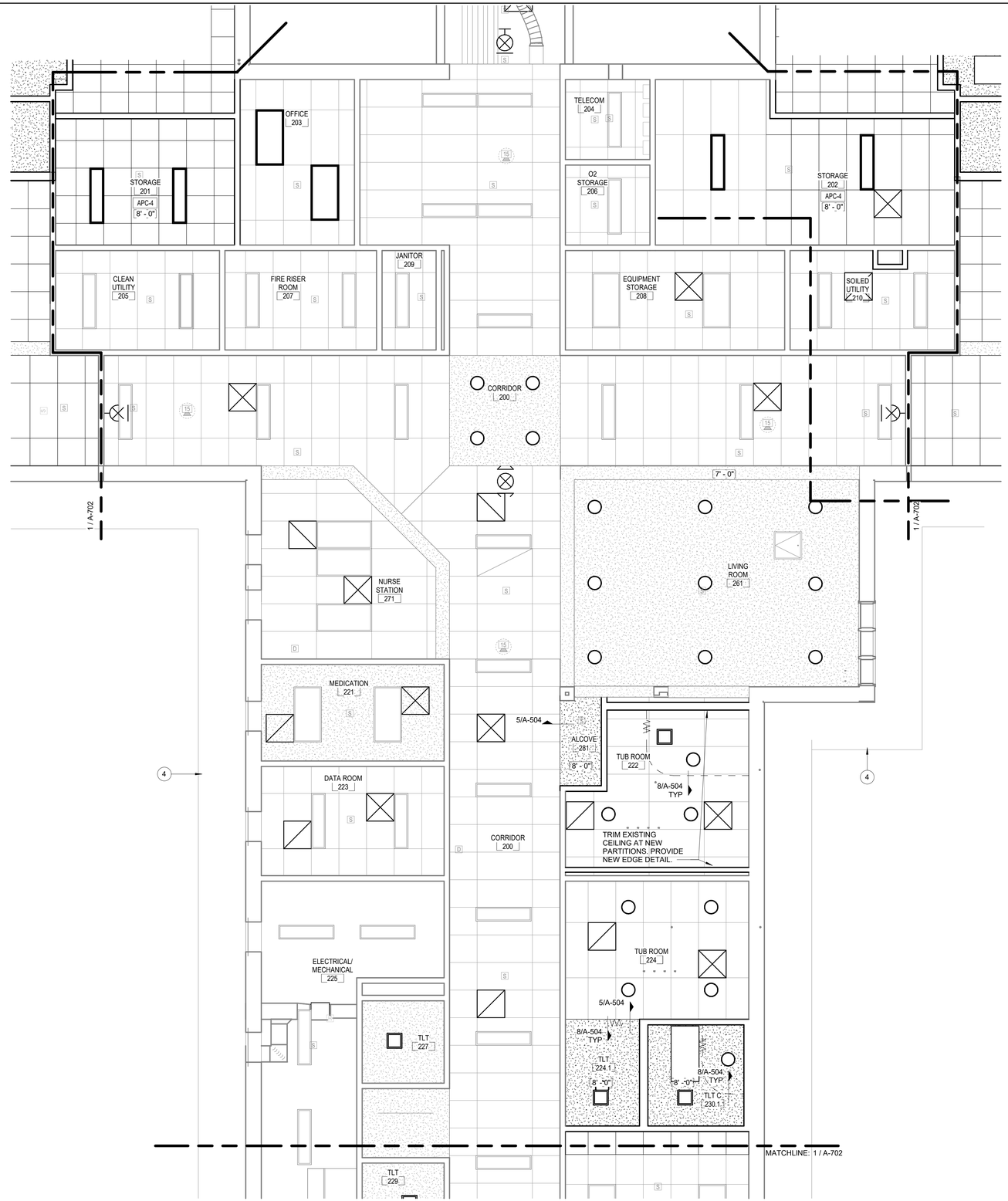
RCP - A HOME 2

SHEET NUMBER:

A-703

29 OF 93 SHEETS
06/26/2025

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1 REFLECTED CEILING PLAN - A NBHD CTR 1
1/4" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLANS

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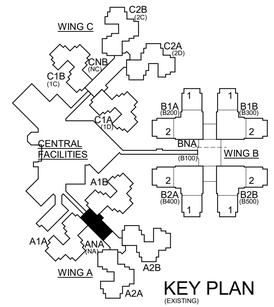
KEYED NOTES - REFLECTED CEILING PLAN	
Number	Description
4	ROOF LINE

CEILING TYPES

- 2' X 2' APC - EXISTING
- 2' X 2' APC - NEW
- 2' X 4' APC - EXISTING
- 2' X 4' APC - NEW
- GWB - EXISTING
- GWB - NEW

WING DESIGNATION
A1A — HAND CONFIGURATION; WING BUILDING. RE: CODE DWGs; HAND CONFIGURATION
B1A1 — ROOM CLUSTER HAND CONFIG - WING B ONLY

NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE



KEY PLAN (EXISTING)

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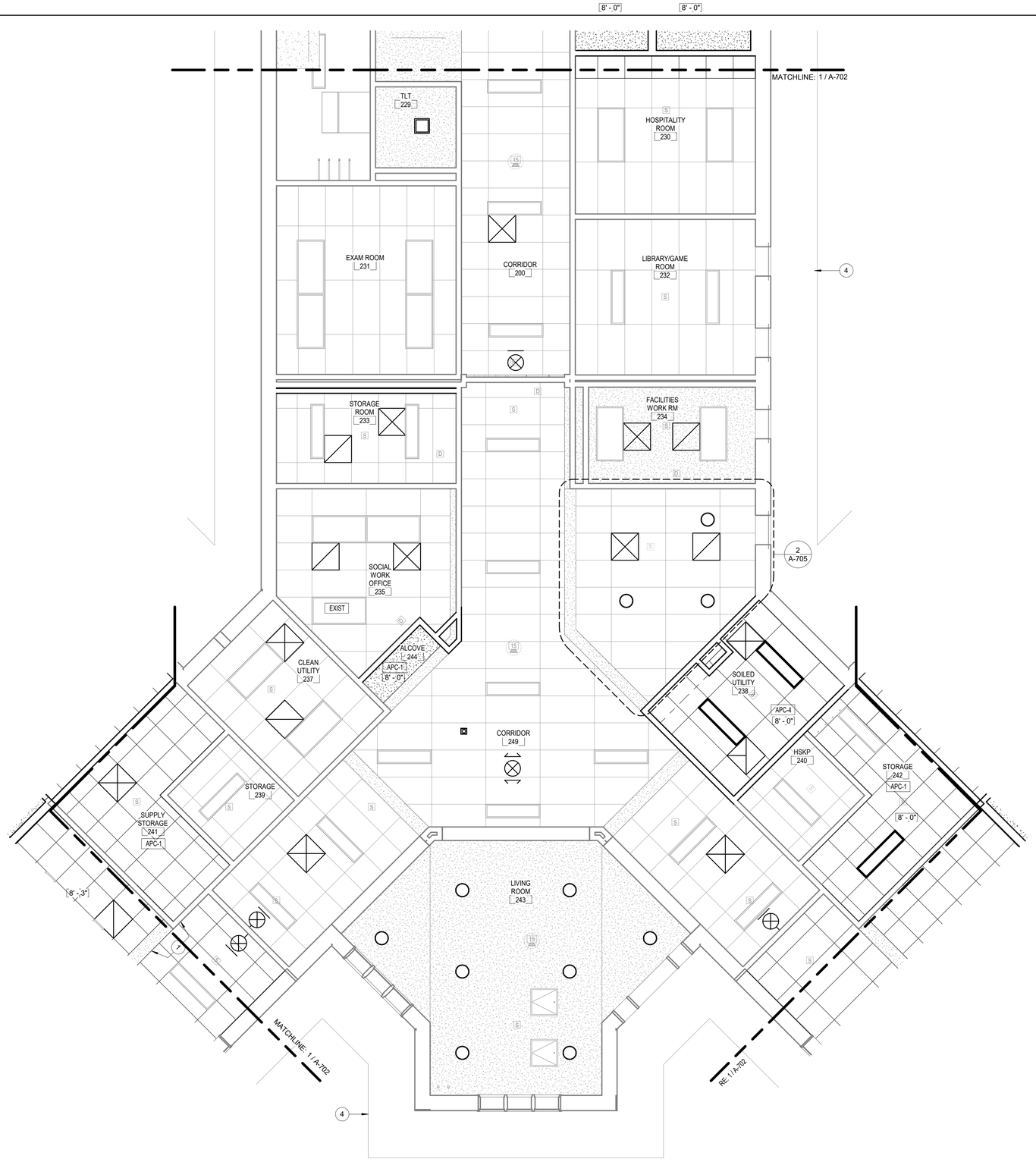
RCP - A WING NBHD CTR 1

SHEET NUMBER:

A-704

30 OF 93 SHEETS
06/26/2025

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1 REFLECTED CEILING PLAN - A NBHD CTR 2

1/4" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLANS

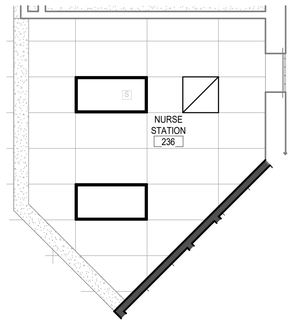
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3. ALL GYP BD. CEILINGS TO BE PAINTED PNT-2 UNLESS NOTED OTHERWISE.

KEYED NOTES - REFLECTED CEILING PLAN

Number	Description
1	ALIGN
4	ROOF LINE

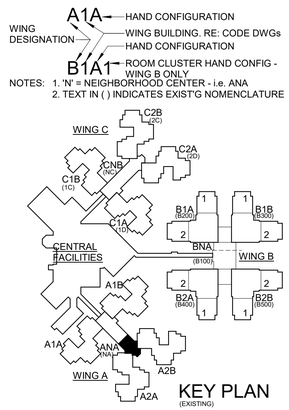
CEILING TYPES

- 2' X 2' APC - EXISTING
- 2' X 2' APC - NEW
- 2' X 4' APC - EXISTING
- 2' X 4' APC - NEW
- GWB - EXISTING
- GWB - NEW



2 ADD ALT NURSE STATION

1/4" = 1'-0"



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ST. LOUIS, MISSOURI

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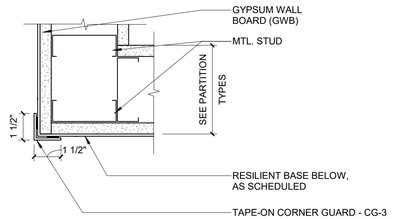
RCP - A WING NBHD CTR 2

SHEET NUMBER:

A-705

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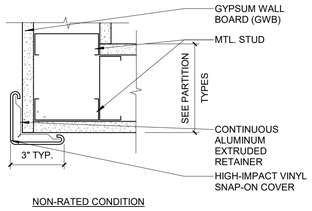


NOTE: TYP AT ALL RESILIENT BASE CORNERS

10 CORNER BASE DETAIL
3" = 1'-0"

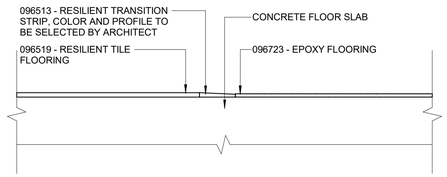
NOTES:

1. CORNER GUARD HEIGHT TO MATCH HEIGHT OF ADJACENT, LIKE-COLORED RIGID VINYL/WALL PROTECTION. WHERE NO WALL PROTECTION OCCURS, CORNER GUARD SHALL BE 48"AFF. WHERE TWO VARYING WALL PROTECTIONS OCCUR, CORNER GUARD TO MATCH HEIGHT AND COLOR OF TALLEST WALL PROTECTION.

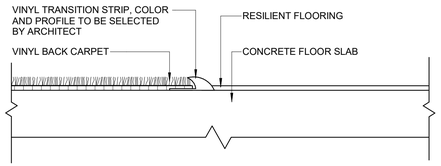


NON-RATED CONDITION

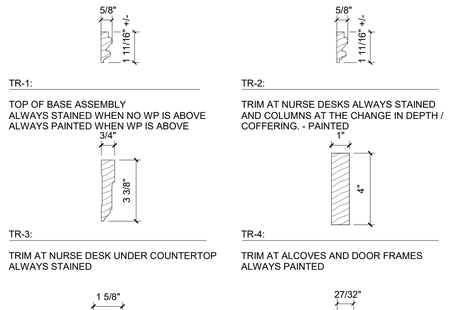
4 CORNER GUARD DETAIL
3" = 1'-0"



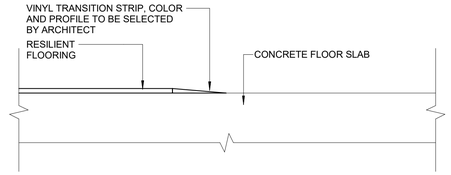
9 RESILIENT/POURED EPOXY TRANSITION
6" = 1'-0"



8 CARPET/RESILIENT TRANSITION
6" = 1'-0"



3 WOOD TRIM PROFILES
3" = 1'-0"

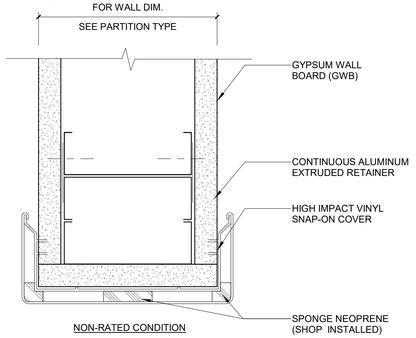


7 RESILIENT/CONCRETE TRANSITION
6" = 1'-0"

NOTES:

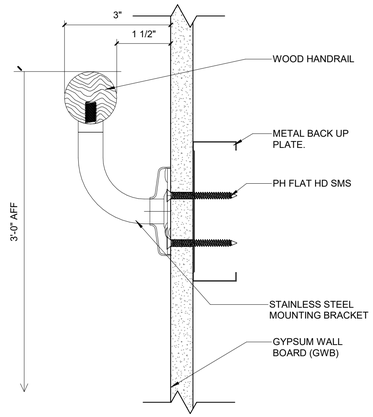
1. CORNER GUARD TO EXTEND 2" ABOVE CEILING HEIGHT. METAL BASE PROVIDED BY CORNER GUARD MANUFACTURER.

2. REFER TO FLOOR PLANS AND PARTITION SCHEDULE FOR THE NUMBER OF LAYERS AND THE THICKNESS OF GWB WHERE CORNER GUARDS OCCUR. REVERSE GWB AT CORNER GUARD LOCATIONS AS REQUIRED TO FIT ALUMINUM RETAINER.

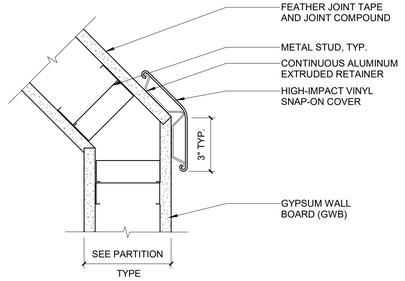


NON-RATED CONDITION

2 END GUARD DETAIL
6" = 1'-0"

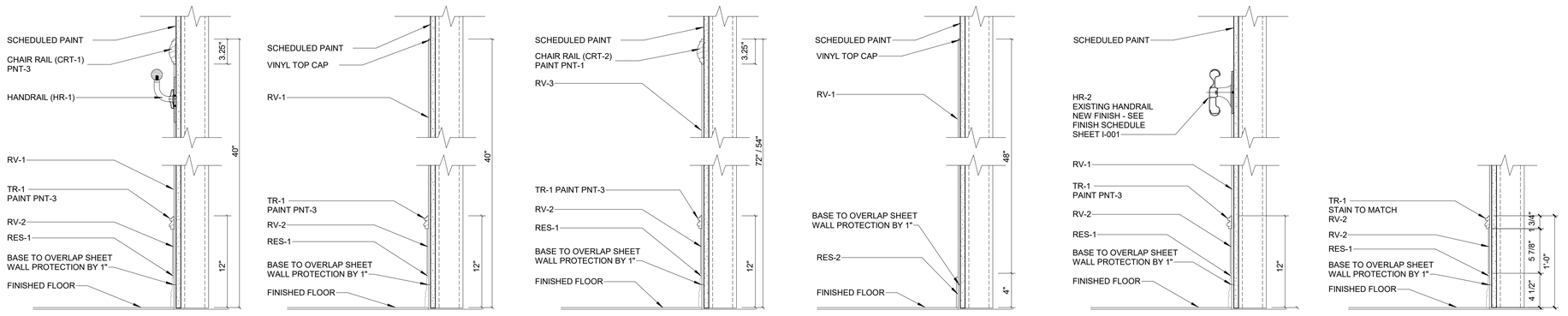


6 HANDRAIL DETAIL
6" = 1'-0"



NON-RATED CONDITION

1 CORNER GUARD DETAIL
3" = 1'-0"



WALL PROTECTION ASSEMBLIES
1 1/2" = 1'-0"

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

CAD DWG FILE:
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CHECKED BY: CD
DESIGNED BY: CD

SHEET TITLE:

WALL PROTECTION & FLOOR TRANSITIONS

SHEET NUMBER:

A-821

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FINISH LEGEND

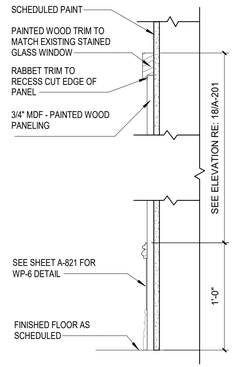
SYMBOL	SPEC SECTION	MANUFACTURER	STYLE	PRODUCT NUMBER	COLOR	COMMENTS
ACOUSTICAL PANEL CEILING						
APC-1	095113	USG	ECLIPSE PANELS, SLT	76775	FLAT WHITE	24 X 24 IN NEW GRID TYPE D
APC-2	095113	USG	ECLIPSE ILLUSION TW0/24 PANELS, SLT	78785	FLAT WHITE	24 X 48 SECOND LOOK IN NEW GRID TYPE A
APC-3	095113	USG	ECLIPSE PANELS, SLT	76775	FLAT WHITE	24 X 24 IN EXISTING 15/16" GRID, TEGULAR
APC-4	095113	USG	ECLIPSE ILLUSION TW0/24 PANELS, SLT	78785	FLAT WHITE	24 X 48 SECOND LOOK IN EXIST 15/16" GRID, TEGULAR
APC-5	095113	USG	MARS CEILING PLANS, FLB	85830	FLAT WHITE	30 X 30 TEGULAR IN GRID TYPE E
CARPET						
CPT-2	096813	JOHNSONITE TARKETT	SPIN OFF 11578	39405	ARCADIAN	24X24 TILE, INSTALL ASHLAR
CERAMIC TILE						
CT1-A1A	09300	DALTILE	RITTENHOUSE SQUARE	0141	GARDEN SPOT	3" X 6" SUBWAY TILE INSTALL RUNNING BOND; GROUT COLOR TO BE LATICRETE 67 AUTUMN GREEN
CT1-A1B	09300	DALTILE	RITTENHOUSE SQUARE	0090	PUMPKIN SPICE	3" X 6" SUBWAY TILE INSTALL RUNNING BOND; GROUT COLOR TO B MAPEI 109 ACORN
CT1-A2A	09300	DALTILE	RITTENHOUSE SQUARE	160	CORN SILK	3" X 6" SUBWAY TILE INSTALL RUNNING BOND; GROUT COLOR TO BE MAPEI 06 HARVEST
CT1-A2B	09300	DALTILE	RITTENHOUSE SQUARE	1469	GALAXY	3" X 6" SUBWAY TILE INSTALL RUNNING BOND; GROUT COLOR TO BE LATICRETE 53 TWILIGHT BLUE
EPOXY BASE						
EB-1	096723	TNEMC COMPANY		19-210	Q212	6" TALL
EPOXY FLOOR						
EF-1	096723	TNEMC COMPANY		19-210	Q212	SLIP RESISTANT GRIT ADDED
EPOXY PAINT						
EP-1	099123	SHERWIN WILLIAMS			MATCH PT-1	
HIGH PRESSURE LAMINATE						
HPL-1	064023	FORMICA		3456-46	MOCHA TRAVERTINE	COUNTERTOPS
HPL-2	064023	FORMICA		5864	CHESTNUT WOODLINE	VERTICAL SURFACES AND CABINETS
HPL-3	064023	FORMICA		463-58	SAIL WHITE	WALL SHELVES
LUXURY VINYL TILE						
LVT-1	096519	JOHNSONITE TARKETT	ID FREEDOM WOODS	5137	NATIVE PINE BRONZE	6" X 48"; NOTE MATERIAL ALREADY PURCHASED - SEE GENERAL NOTE 1
LVT-2	096519	JOHNSONITE TARKETT	ID FREEDOM WOODS	4693	WARM SILVER	6" X 48"; NOTE MATERIAL ALREADY PURCHASED - SEE GENERAL NOTE 1
LVT-3	096519	MANNINGTON	COLOR ANCHOR GROOVE	C114	CRUMB CAKE	18" X 18" - SEE GENERAL NOTE 1
LVT-4	096519	MANNINGTON	DIVERGENT FEN	13502	FOOTHILL	18" X 18" - SEE GENERAL NOTE 1
MDF WOOD PANEL						
WDP-1	064216				PNT-8	
PAINT						
.PNT-1	099123	SHERWIN WILLIAMS		SW9109	NATURAL LINEN	CORRIDOR PAINT
.PNT-2	099123	SHERWIN WILLIAMS		SW7005	PURE WHITE	CEILING PAINT
.PNT-3	099123	SHERWIN WILLIAMS		SW9088	UTAUPEIA	DOOR FRAME AND ACCENT PAINT
.PNT-4	099123	SHERWIN WILLIAMS		SW6106	KILIM BEIGE	BEDROOM PAINT
PNT5-A1A	099123	SHERWIN WILLIAMS		SW0032	NEEDLEPOINT NAVY	LIVING ROOMS
PNT5-A1B	099123	SHERWIN WILLIAMS		SW2861	AVOCADO	
PNT5-A2A	099123	SHERWIN WILLIAMS		SW0009	EASTLAKE GOLD	
PNT5-A2B	099123	SHERWIN WILLIAMS		SW2813	DOWNING STRAW	
PNT5-ANA	099123	SHERWIN WILLIAMS		SW0032	NEEDLEPOINT NAVY	DEN- NEIGHBORHOOD
PNT6-A1A	099123	SHERWIN WILLIAMS		SW2861	AVOCADO	DINING/KITCHEN
PNT6-A1B	099123	SHERWIN WILLIAMS		SW0009	EASTLAKE GOLD	
PNT6-A2A	099123	SHERWIN WILLIAMS		SW2813	DOWNING STRAW	
PNT6-A2B	099123	SHERWIN WILLIAMS		SW0032	NEEDLEPOINT NAVY	
PNT6-ANA	099123	SHERWIN WILLIAMS		SW2861	AVOCADO	LIVING ROOM
PNT7-A1A	099123	SHERWIN WILLIAMS		SW0009	EASTLAKE GOLD	BEDROOM ENTRY / BEDROOM ACCENT WALL
PNT7-A1B	099123	SHERWIN WILLIAMS		SW2813	DOWNING STRAW	
PNT7-A2A	099123	SHERWIN WILLIAMS		SW0032	NEEDLEPOINT NAVY	
PNT7-A2B	099123	SHERWIN WILLIAMS		SW2861	AVOCADO	

FINISH LEGEND

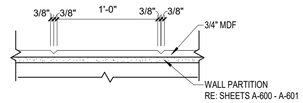
SYMBOL	SPEC SECTION	MANUFACTURER	STYLE	PRODUCT NUMBER	COLOR	COMMENTS
PNT7-ANA	099123	SHERWIN WILLIAMS		SW2813	DOWNING STRAW	LIVING ROOM - NEIGHBORHOOD
PNT12-ANA	099123	SHERWIN WILLIAMS		SW0009	EASTLAKE GOLD	NURSE STATION - NEGHBORHOOD
RESILIENT BASE						
RES-1	096513	JOHNSONITE	MILLWORK WALLBASE - DIPLOMAT	MW-45-A	SANDALWOOD	4.5"H; RE:10/A-821 FOR TYP CORNER CONDITIONS AT RESILIENT BASE
RES-2	096513	JOHNSONITE	STANDARD 4" BASE	45	SANDALWOOD	4" H; COVE AT HARD SURFACE FLOORING, STRAIGHT AT CARPET. RE: 10/A-821 FOR TYP CORNER CONDITIONS AT RESILIENT BASE
SEALED CONCRETE						
SC-1						
SOLID SURFACE						
SS-1	064023	DURASEIN		DM3008	BELLA VISTA	COUNTERS - NURSE STATIONS / NEIGHBORHOOD KITCHENS
SS-2	064023	CORIAN			SAVANNAH	COUNTERTOPS - UTILITY ROOMS / NON-PUBLIC ROOMS
SS-3	064023	CORIAN			VANILLA	BATHROOM WALLS - 1/4" THICK, INTEGRAL SINKS
WALL PROTECTION						
CG-1A	102600	IN PRO	150 SERIES	0118	KHAKI BROWN	MATCH HT OF ADJ RIGID VINYL OF LIKE COLOR
CG-1B	102600	IN PRO	150 SERIES	0258	CHINO	MATCH HT OF ADJ RIGID VINYL OF LIKE COLOR
CG-2	102600	IN PRO	130 SERIES	0118	KHAKI BROWN	48"H
CG-3	102600	IN PRO	TAPE-ON	0553	AMERICAN TEAK	6"H, 1 1/2"
CRT-1	102600	SOLID WOOD	CHAIR RAIL TRIM			PAINT PNT-3
CRT-2	102600	SOLID WOOD	CHAIR RAIL TRIM			PAINT PNT-1
EG-1A	102600	IN PRO	150D SERIES	0118	KHAKI BROWN	MATCH HEIGHT OF ADJ. RIGID VINYL OF LIKE COLOR
EG-1B	102600	IN PRO	150D SERIES	0258	CHINO	MATCH HEIGHT OF ADJ. RIGID VINYL OF LIKE COLOR
FRP-1	102600	CRANE COMPOSITES			WHITE	48"H
HR-1	102600	IN PRO	900FV	0258	AMERICAN TEAK	ST. STL. BRACKETS, CORNERS AND RETURNS
HR-2	102600	CS SPECIALTIES	CHAMELEON COLLECTION	1350	BURMESE TEAK	REPLACEMENT ACROVYN ON EXISTING HAND / CRASH RAIL
RV-1	102600	IN PRO	PALLADIUM	0118	KHAKI BROWN	
RV-2	102600	IN PRO	PALLADIUM	0553	AMERICAN TEAK	
RV-3	102600	IN PRO	PALLADIUM BEADBOARD ASSEMBLY	0104	ANTIQUE WHITE	
TR-X	102600	SOLID WOOD	TRIM			REF 3/A-821 FOR ALL PROFILES AND FINISHES
WOOD BASE ASSEMBLY						
WDB-1	064023	SOLID WOOD BASE ASSEMBLY				STAIN TO MATCH HPL-2
WOOD CABINET						
WDC-1	096723	ECHELON CABINETS	SALERNO 5-PIC FLAT PANEL		LINEN	RESIDENTIAL BASE CABINET - PAINTED
WDC-2	096723	ECHELON CABINETS	SALERNO 5-PC FLAT PANEL		AUTUMN BROWN	RESIDENTAIL BASE CABINET - STAINED

GENERAL NOTES - FINISH PLANS

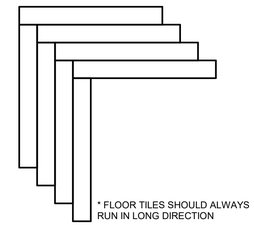
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2. REFER TO PNT SCHEDULE AND KEY WING DESCRIPTION TO DESIGNATE WHICH PNT IS TO BE WHERE.
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11. ALL GYPSUM CEILINGS AND SOFFITS TO BE PAINTED PNT-2 U.N.O SEE RCP FRO MORE INFORMATION
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24. PORCELAIN TILE JOINTS SHALL BE NO LARGER THAN 1/4". CERAMIC TILE JOINTS SHALL BE NO LARGER THAT 1/8".
25. FLOOR PATTERN DIRECTION INDICATED BY ARROWS ON FINISH PLAN SHEETS →



3 SECTION OF WDP-1 WALL
1 1/2" = 1'-0"



2 PLAN OF WDP-1
1 1/2" = 1'-0"



1 FLOOR TRANSITION DETAIL @ BORDER CORNERS
1/2" = 1'-0"

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FACULTY # 8136804001

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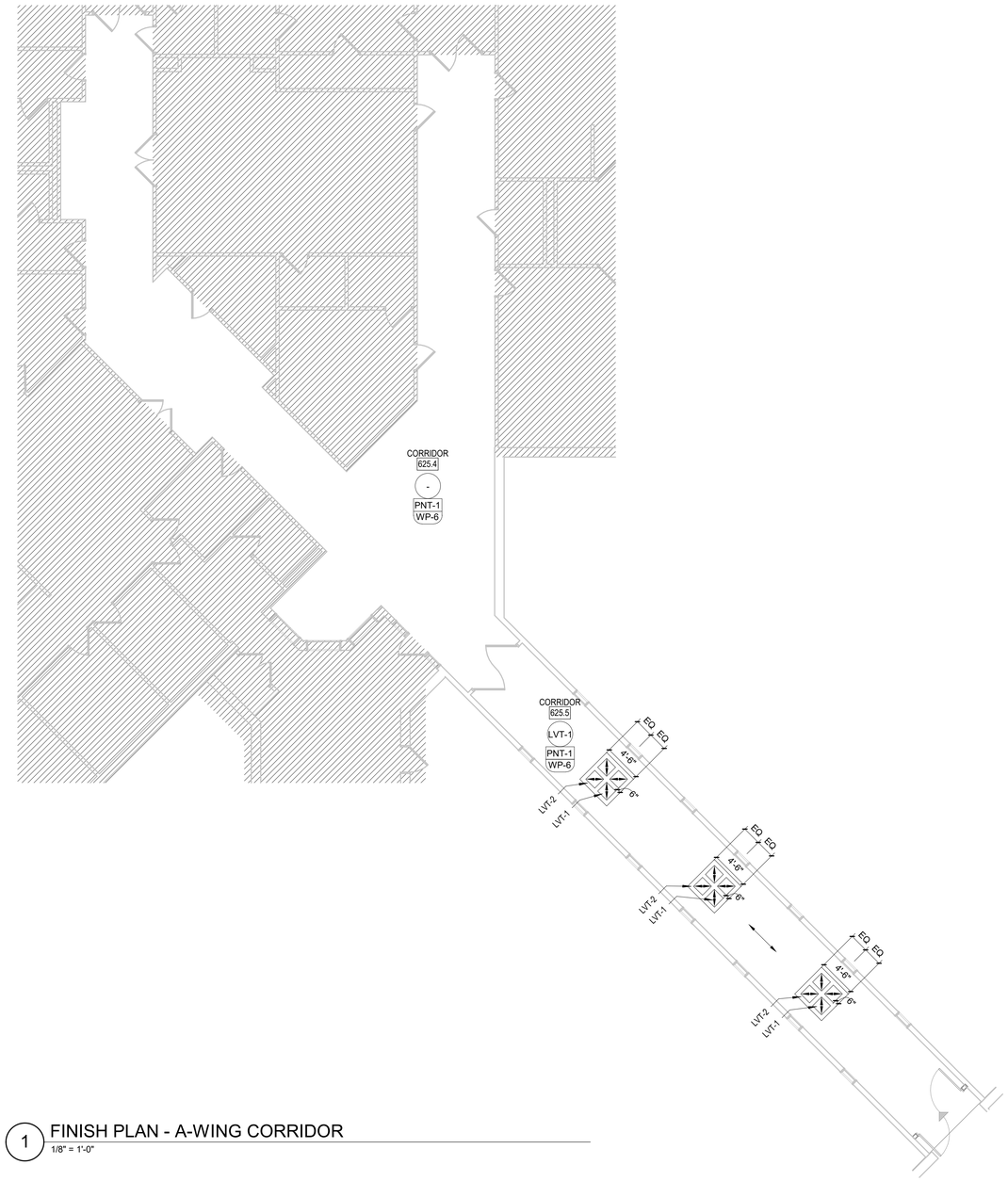
GENERAL NOTES & FINISH LEGEND

SHEET NUMBER:

I-001

33 OF 93 SHEETS
06/26/2025

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1 FINISH PLAN - A-WING CORRIDOR
1/8" = 1'-0"

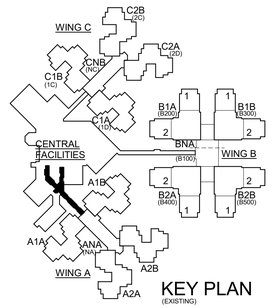
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KEYED NOTES - FLOOR PLAN	
NUMBER	DESCRIPTION

A1A — HAND CONFIGURATION
WING DESIGNATION — WING BUILDING. RE: CODE DWGs
B1A1 — HAND CONFIGURATION; ROOM CLUSTER HAND CONFIG - WING B ONLY

NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE



KEY PLAN
(EXISTING)

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ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION	DATE

ISSUE DATE: 06/26/2025

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DESIGNED BY: CD

SHEET TITLE:

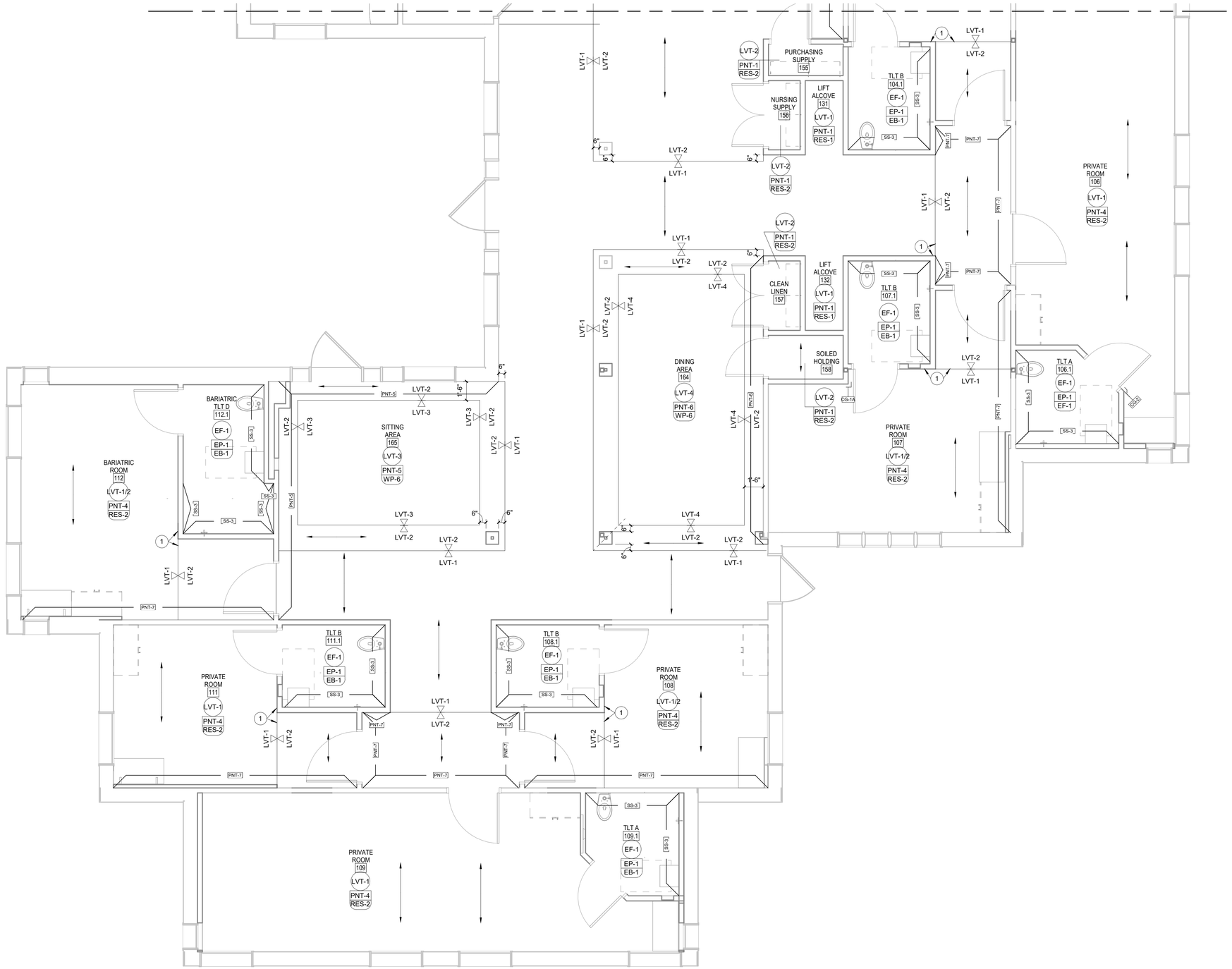
FINISH PLAN - CENTRAL FACILITIES

SHEET NUMBER:

I-100

34 OF 93 SHEETS
06/26/2025

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1 FINISH PLAN - A2A HOME 1
1/4" = 1'-0"

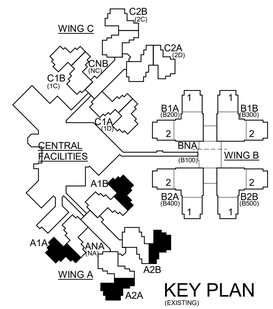
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GENERAL NOTES - FINISH PLANS

1. LEVEL ENTIRE FLOOR WITH CEMENT UNDERLAYMENT IN AREAS TO RECEIVE NEW FLOORING FINISHES, SEE SPECIFICATION SECTION 03544 - HYDRAULIC CEMENT UNDERLAYMENT. VERIFY UNDERLAYMENT WILL NOT INTERFERE WITH ANY EXISTING DOORS/FRAMES PRIOR TO INSTALLATION. IT IS THE INTENT TO NOT TO MODIFY DOORS/FRAMES.
2. REFER TO PNT SCHEDULE AND KEY WING DESCRIPTION TO DESIGNATE WHICH PNT IS TO BE WHERE.
3. ALL FINISHES SHOWN ON DRAWINGS AND DESCRIBED IN NOTES AND SCHEDULES MUST BE MAINTAINED. ANY DISCREPANCY MUST BE IDENTIFIED IMMEDIATELY TO ARCHITECT FOR APPROVAL AND FIELD ADJUSTMENT PRIOR TO INSTALLATION OF ANY PERMANENT WORK.
4. CONTRACTOR TO SUBMIT ALL FINISHES FOR ARCHITECT'S APPROVAL PRIOR TO INSTALLATION
5. REFER TO FINISH LEGEND, FINISH PLANS, ARCHITECTURAL PLANS, REFLECTED CEILING PLANS, ELEVATIONS AND DETAILS FOR ADDITIONAL INFORMATION.
6. A FINISH TAG IN THE CENTER OF A ROOM INDICATES THAT ALL WALL AND/OR FLOOR SURFACES ARE TO RECEIVE SAME FINISH, U.N.O
7. ALIGNMENTS MUST BE MAINTAINED. ANY DISCREPANCY MUST BE IMMEDIATELY IDENTIFIED TO ARCHITECT FOR FIELD ADJUSTMENT PRIOR TO INSTALLATION OF ANY PERMANENT WORK.
8. ALL PAINTED DRYWALL SURFACES TO RECEIVE A MINIMUM OF ONE COAT PRIMER AND TWO COATS OF PAINT PER FINISH STATED, U.N.O
9. PAINTED FINISHES FOR ALL: CEILINGS AND SOFFITS = FLAT; GYP. WALLS AND COLUMNS = EGGSHELL; METAL, WOOD SURFACES AND TOILET WALLS = SEMI-GLOSS
10. PAINT GRADE DOORS, HOLLOW METAL FRAMES AND MISCELLANEOUS MILLWORK SCHEDULED TO RECEIVE PAINT FINISH SHALL RECEIVE A PRIMER COAT AND TWO COATS OF LOW-LUSTER ENAMEL
11. ALL GYPSUM CEILINGS AND SOFFITS TO BE PAINTED PNT-2 U.N.O SEE RCP FRO MORE INFORMATION
12. WHERE NEW DRYWALL ADJOINS EXISTING TO REMAIN PROVIDE INVISIBLE/ SEAMLESS TRANSITION.
13. PROVIDE FINISH AT ALL WALL FINISHES THAT ARE EXPOSED TO VIEW BEHIND APPLIED MILLWORK, PANELS, ETC. DUE TO REVEALS, JOINTS AND OTHER CONDITIONS
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16. ALL HOLLOW METAL DOOR FRAMES TO RECEIVE PAINTABLE CAULKING AROUND FRAME AND DRYWALL JOINT.
17. SEE DOOR SCHEDULE FOR ADDITIONAL DOOR AND FRAME FINISH INFORMATION.
18. TOILET ROOM WALL LAYOUTS TO BE REVIEWED AND APPROVAL BY ARCHITECT FOR FIELD ADJUSTMENTS PRIOR TO INSTALLATION OF PERMANENT WORK.
19. SPECIFIED FLOORING IS TO BE EXTENDED UNDER AL MILLWORK COUNTERTOPS, KNEE SPACES AND OTHER AREAS WHERE FLOORING IS EXPOSED TO VIEW. WHERE NO BOTTOM OF MILLWORK IS SUPPLIED FLOORING IS REQUIRED TO CONTINUE INTO CASEWORK
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24. PORCELAIN TILE JOINTS SHALL BE NO LARGER THAN 1/4". CERAMIC TILE JOINTS SHALL BE NO LARGER THAT 1/8".
25. FLOOR PATTERN DIRECTION INDICATED BY ARROWS ON FINISH PLAN SHEETS →

KEYED NOTES - FLOOR PLAN	
NUMBER	DESCRIPTION

A1A — HAND CONFIGURATION
WING DESIGNATION — WING BUILDING. RE: CODE DWGs
HAND CONFIGURATION
B1A1 — ROOM CLUSTER HAND CONFIG - WING B ONLY
NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE



KEY PLAN (EXISTING)

STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

STATE OF MISSOURI
AMY ANN PHILLIPS
NUMBER A-2011008161
ARCHITECT
06·26·2025
License A-2011008161

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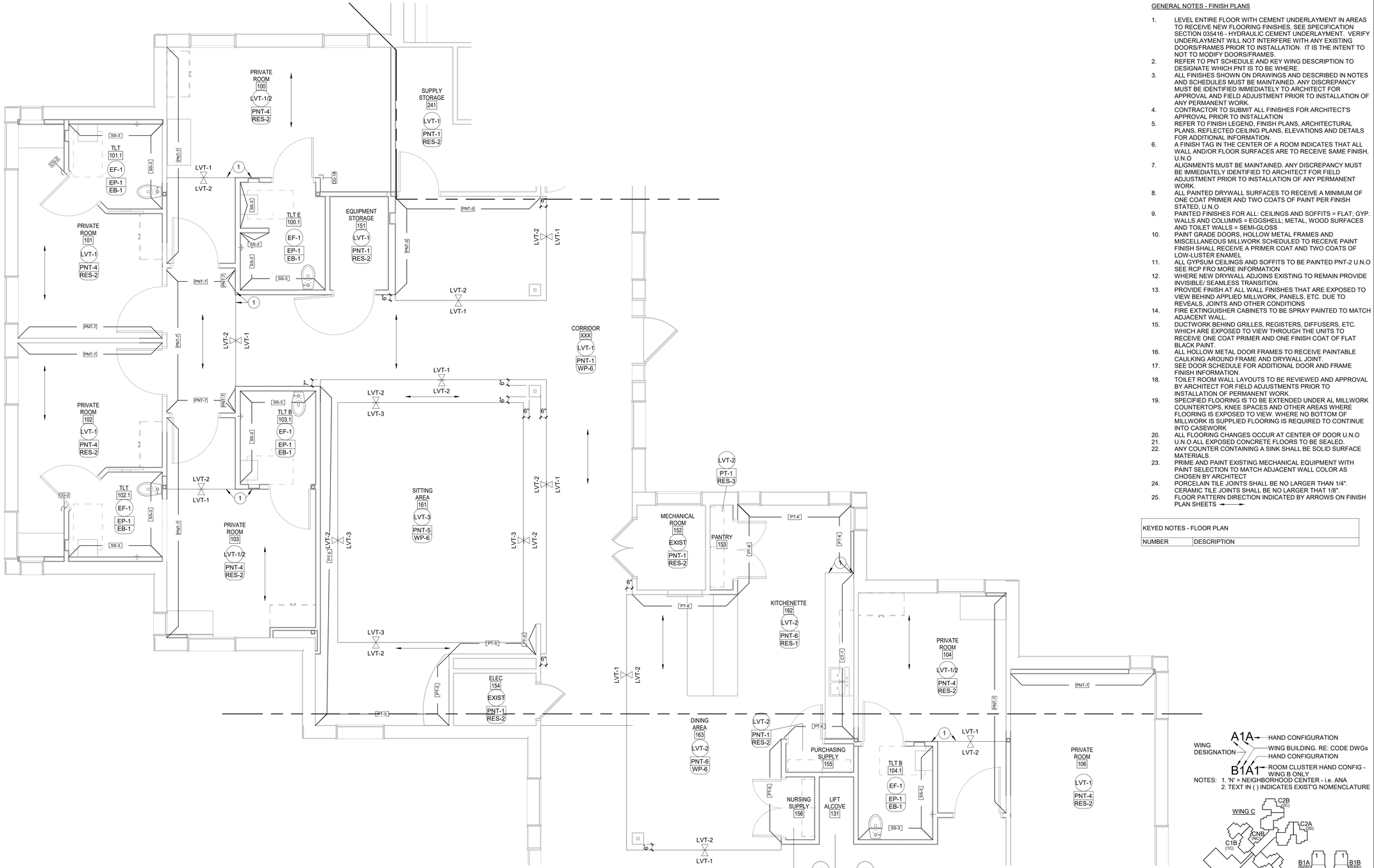
FINISH PLAN - A HOME 1

SHEET NUMBER:

I-102

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06/26/2025

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PRIVATE ROOM 100 LVT-1/2 PNT-4 RES-2
SUPPLY STORAGE 241 LVT-1 PNT-1 RES-2
TLT 101.1 EF-1 EP-1 EB-1
TLT E 100.1 EF-1 EP-1 EB-1
EQUIPMENT STORAGE 151 LVT-1 PNT-1 RES-2
PRIVATE ROOM 101 LVT-1 PNT-4 RES-2
CORRIDOR XXX LVT-1 PNT-1 WP-6
PRIVATE ROOM 102 LVT-1 PNT-4 RES-2
TLT B 103.1 EF-1 EP-1 EB-1
TLT 102.1 EF-1 EP-1 EB-1
PRIVATE ROOM 103 LVT-1/2 PNT-4 RES-2
SITTING AREA 161 LVT-3 PNT-5 WP-6
MECHANICAL ROOM 152 EXIST PNT-1 RES-2
PANTRY 153
KITCHENETTE 162 LVT-2 PNT-6 RES-1
PRIVATE ROOM 104 LVT-1/2 PNT-4 RES-2
ELEC 154 EXIST PNT-1 RES-2
DINING AREA 163 LVT-2 PNT-6 WP-6
PURCHASING SUPPLY 155
NURSING SUPPLY 156
LIFT ALCOVE 131
TLT B 104.1 EF-1 EP-1 EB-1
PRIVATE ROOM 106 LVT-1 PNT-4 RES-2
LVT-2 PT-1 RES-3
LVT-2 PNT-1 RES-2
LVT-1 PNT-1 RES-1
LVT-3 PNT-5 WP-6
LVT-3 LVT-2
LVT-1 LVT-2
LVT-2 LVT-3
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LVT-1 LVT-2
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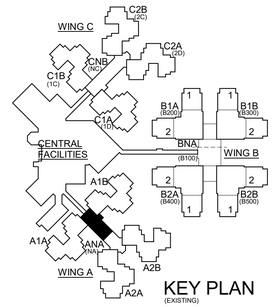


1 FINISH PLAN - A NBHD CTR 1
1/4" = 1'-0"

GENERAL NOTES - FINISH PLANS

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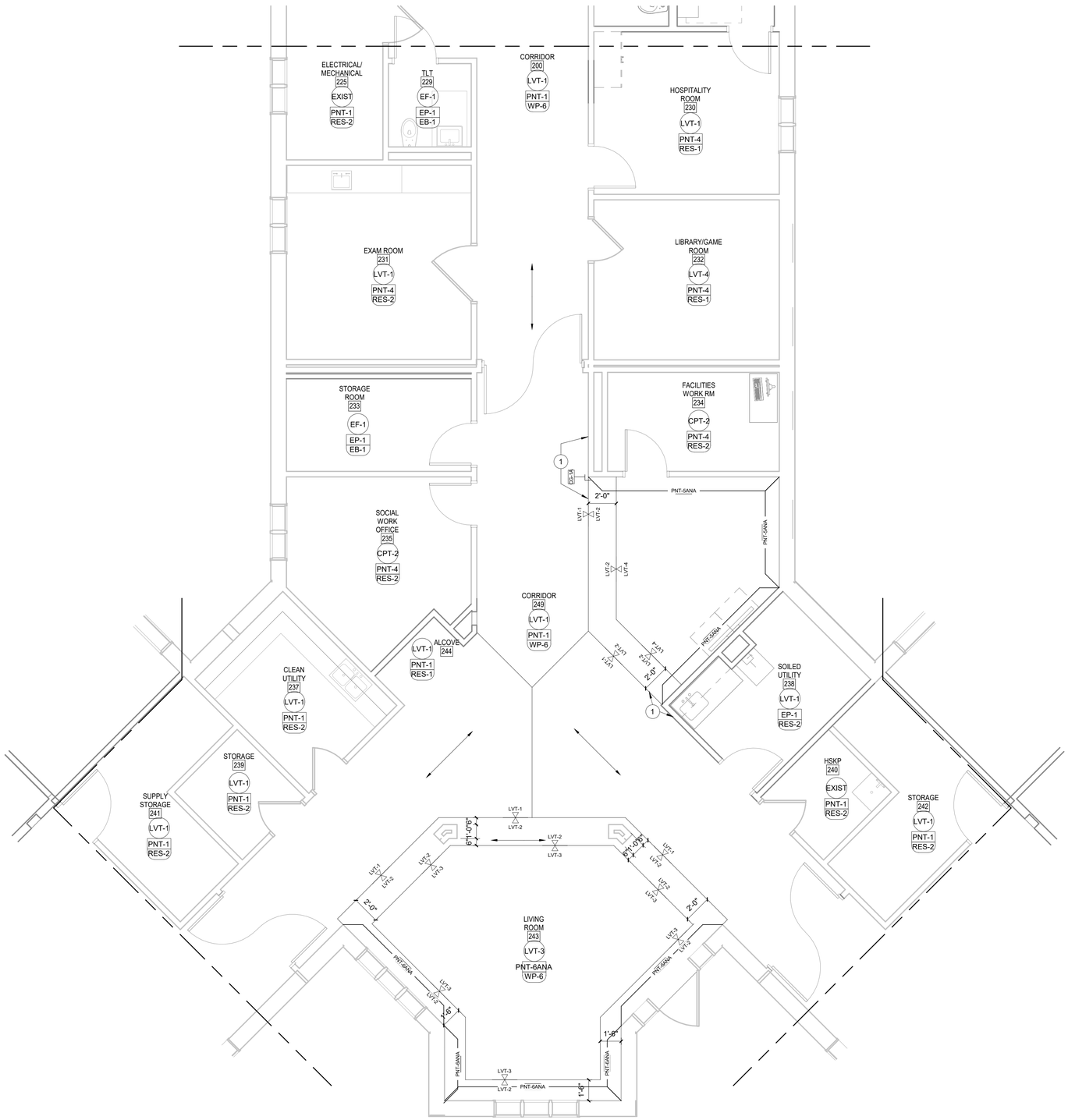
FINISH PLAN - A NBHD CTR 1

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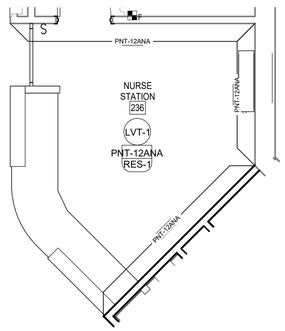
I-104

37 OF 93 SHEETS
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1 FINISH PLAN - A NBHD CTR 2
1/4" = 1'-0"

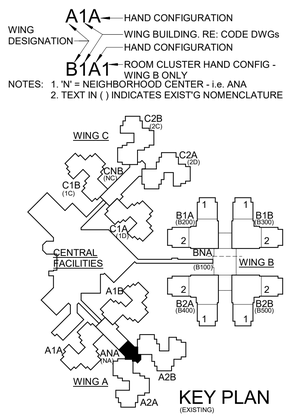


2 ADD ALT NURSE STATION
1/4" = 1'-0"

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KEYED NOTES - FLOOR PLAN	
NUMBER	DESCRIPTION



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MIKE KEHOE,
GOVERNOR

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AMY ANN PHILLIPS
NUMBER A-2011008161
ARCHITECT
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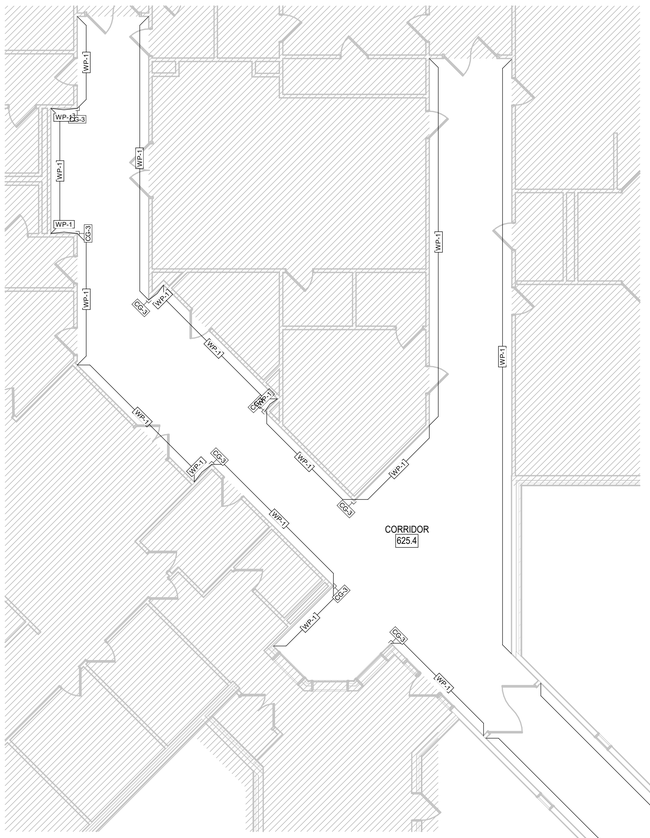
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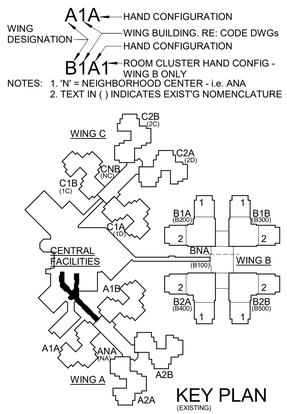
I-105

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1 WALL PROTECTION PLAN - A-WING CORRIDOR
1/8" = 1'-0"



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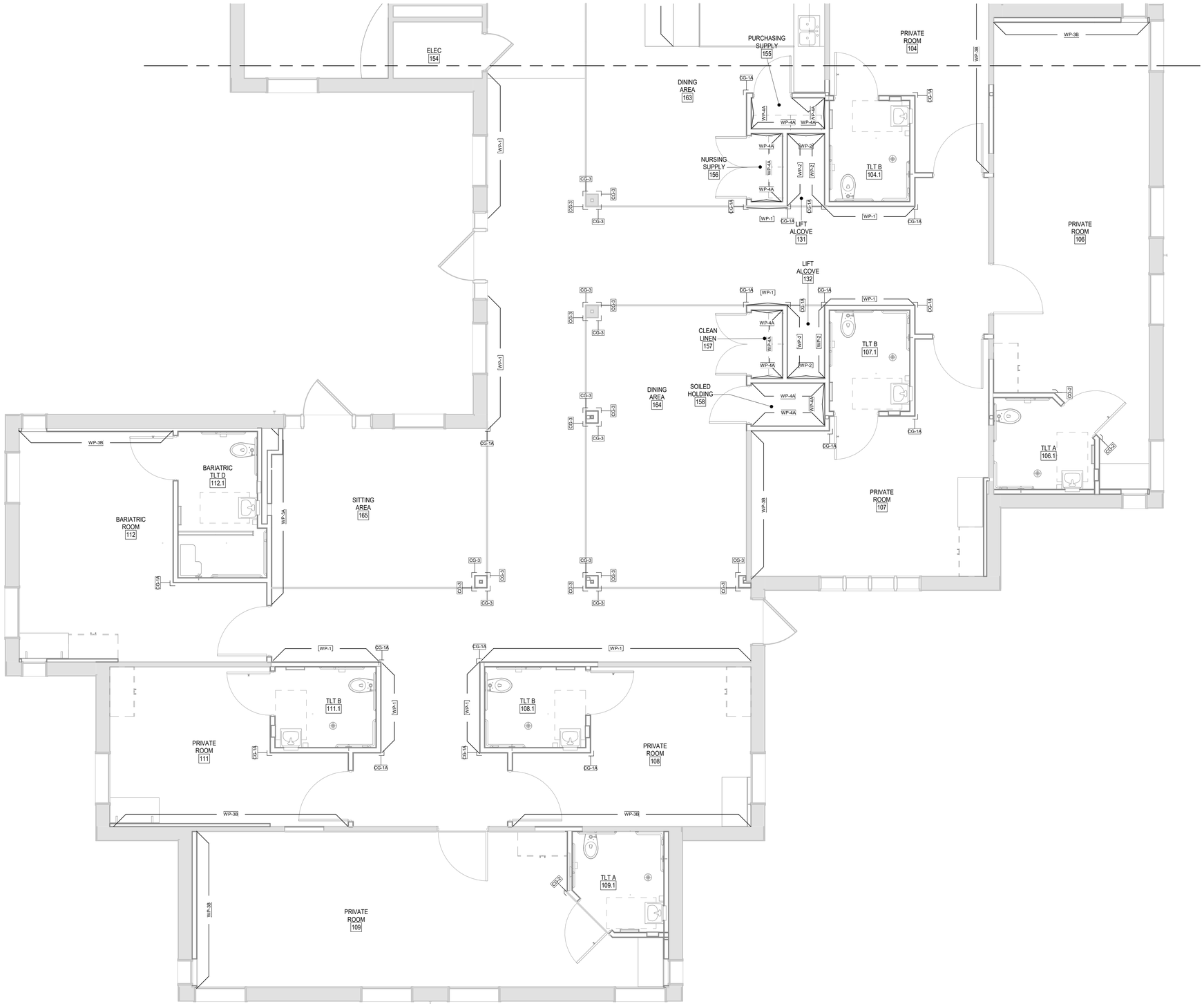
WALL PROTECTION - CENTRAL FACILITIES

SHEET NUMBER:

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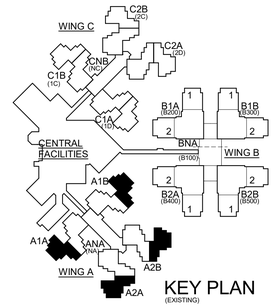
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WING DESIGNATION — WING BUILDING. RE: CODE DWGs
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Missouri State Certificate of Authority
Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI
VETERANS COMMISSION

ST. LOUIS VETERANS
HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

CAD DWG FILE:
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SHEET TITLE:

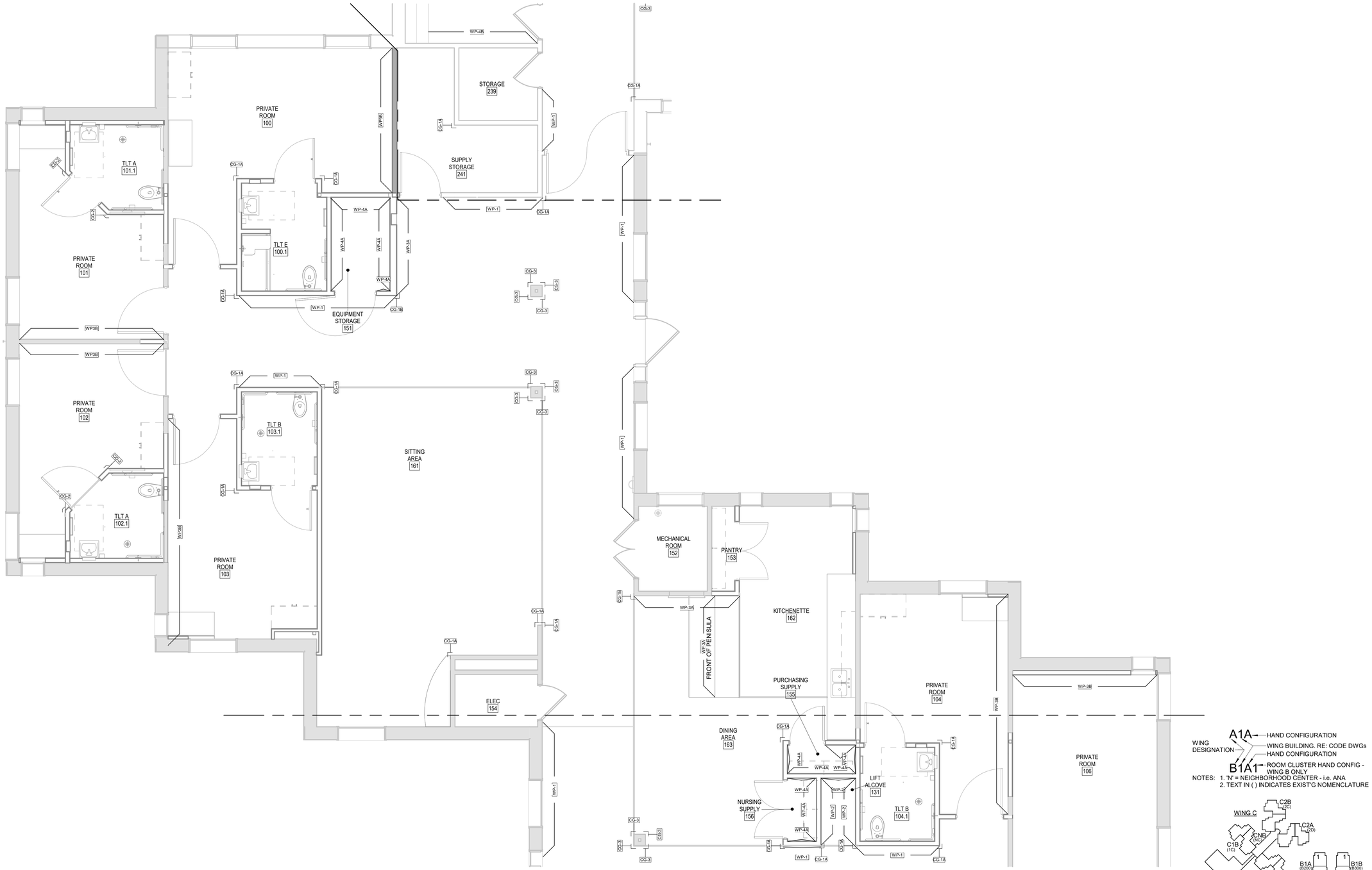
WALL PROTECTION PLAN - A HOME 1

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06/26/2025

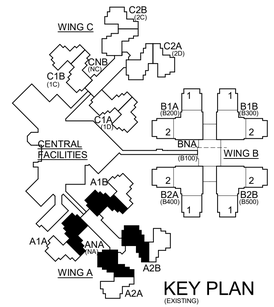
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1 WALL PROTECTION PLAN - A2A HOME 2
1/4" = 1'-0"

A1A — HAND CONFIGURATION
WING DESIGNATION — WING BUILDING. RE: CODE DWGs
HAND CONFIGURATION
B1A1 — ROOM CLUSTER HAND CONFIG - WING B ONLY

NOTES: 1. 'N' = NEIGHBORHOOD CENTER - i.e. ANA
2. TEXT IN ( ) INDICATES EXIST'G NOMENCLATURE



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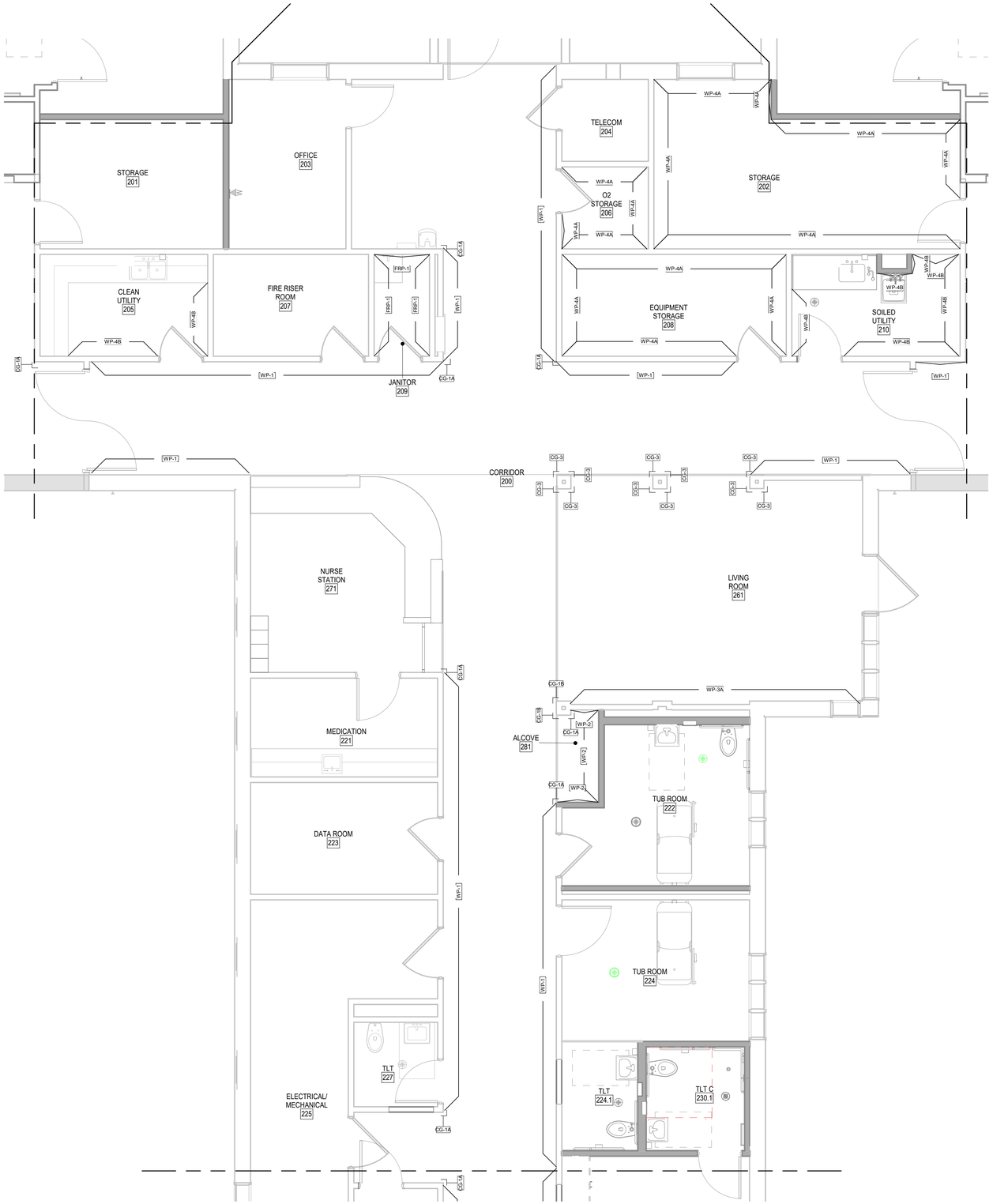
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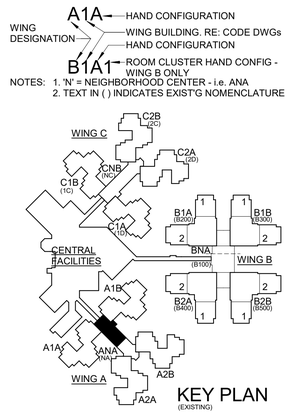
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1 WALL PROTECTION PLAN - A NBHD CTR 1
1/4" = 1'-0"



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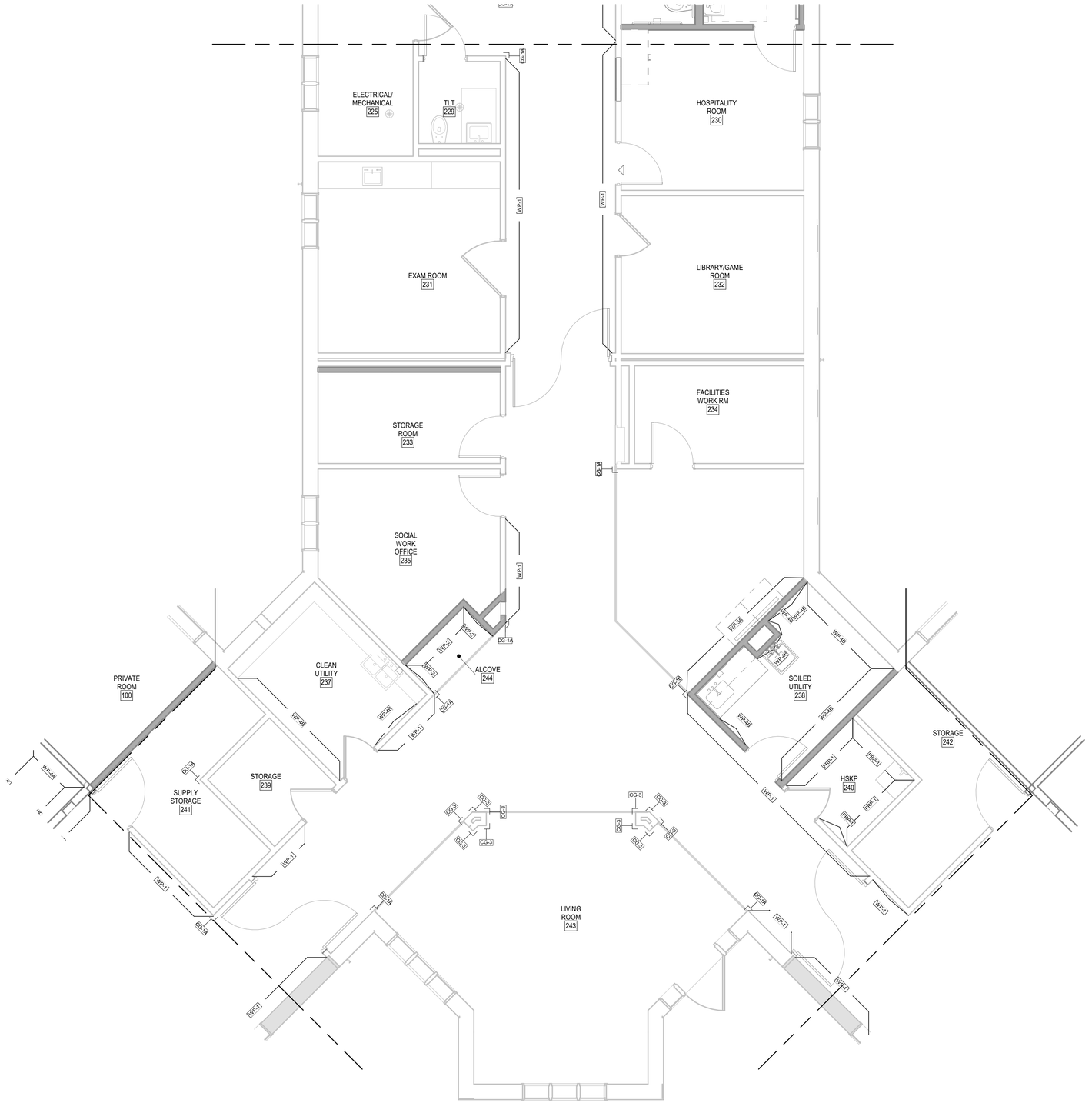
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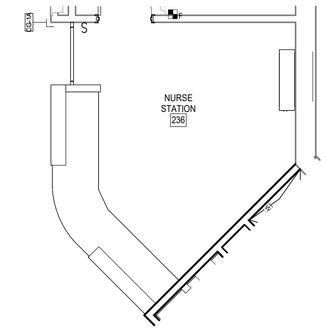
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06/26/2025

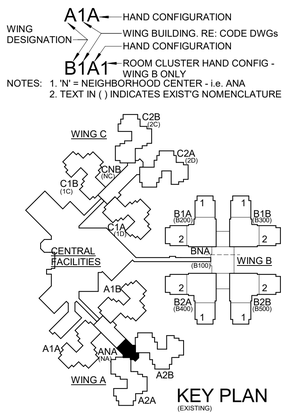
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1 WALL PROTECTION PLAN - A NBHD CTR 2
1/4" = 1'-0"



2 ADD ALT NURSE STATION
1/4" = 1'-0"



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06/26/2025

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ABBREVIATIONS

ADDL	ADDITIONAL
ADJ	ADJACENT
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
AR	ANCHOR ROD
ARCH	ARCHITECTURAL
B PL	BASE PLATE
B/	BOTTOM OF
BFR	BLENDED FIBER REINFORCING
BLDG	BUILDING
BLKG	BLOCK (ING)
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BTWN	BETWEEN
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT (ION)
CONST JT	CONSTRUCTION JOINT
CONT	CONTINUOUS OR CONTINUE
CS	COLUMN STRIP
CU YD	CUBIC YARD
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DWG	DRAWING
EA	EACH
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EOBP	EDGE OF BENT PLATE
EOD	EDGE OF DECK
EOP	EDGE OF PLATE
EOS	EDGE OF SLAB
EQ	EQUAL
ES	EACH SIDE
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FDTN	FOUNDATION
FLR	FLOOR
FP	FULL PENETRATION
FS	FAR SIDE
FT	FOOT/FEET
FTG	FOOTING
GA	GAGE
GALV	GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
HP	HIGH POINT
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INFO	INFORMATION
INSUL	INSULATED (ION)
INV	INVERT
JT	JOINT
k	KIPS
L	ANGLE
LBS	POUNDS
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LTWT	LIGHT WEIGHT
LW	LONG WAY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEP	MECHANICAL ELECTRICAL & PLUMBING
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MS	MIDDLE STRIP
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
PC	PILE CAP
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PEN	PENETRATION
PL	PLATE
PLCS	PLACES
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST TENSION
QTY	QUANTITY
R	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCE (D) (ING)
REQD	REQUIRED

ABBREVIATIONS (CONT)

REV	REVISION
RO	ROUGH OPENING
SC	SLIP CRITICAL
SECT	SECTION
SIM	SIMILAR
SJ	SEISMIC JOINT
SOG	SLAB ON GROUND
SPEC	SPECIFICATIONS
SQ	SQUARE
SST	STAINLESS STEEL
STBC	STRU THERMAL BREAK CONN
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SW	SHORT WAY
SYMM	SYMMETRICAL
T/	TOP OF
T&B	TOP AND BOTTOM
THK	THICK (NESS)
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WIDE FLANGE SECTION
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORK POINT
WT	TEE SECTION
WWF	WELDED WIRE FABRIC
WWR	WELDED WIRE REINFORCEMENT

FOUNDATION NOTES

F1
PROTECT EXISTING STRUCTURES AS REQUIRED. DO NOT UNDERMINE EXISTING CONSTRUCTION.

F2
BEAR STRIP AND SPREAD FOOTINGS ON UNDISTURBED SOILS OR ENGINEERED FILL HAVING A MINIMUM NET ALLOWABLE BEARING CAPACITY OF 2000 AND 2500 POUNDS PER SQUARE FOOT, RESPECTIVELY. ELEVATIONS GIVEN ARE MINIMUM DEPTHS.

F3
THE FOUNDATIONS HAVE BEEN DESIGNED TO THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL REPORT PREPARED BY GEOTECHNOLOGY, INC. DATED OCTOBER 17, 2018 PROJECT NUMBER J019890.04.

F4
THE SUBSURFACE CONDITIONS DESCRIBED IN THE GEOTECHNICAL REPORT REPRESENT CONDITIONS ONLY AT THOSE SPECIFIC LOCATIONS AT THE PARTICULAR TIME THEY WERE MADE. SUBSURFACE CONDITIONS DESCRIBED ON THE DRAWINGS SHOULD BE CONSIDERED APPROXIMATE.

F5
REMOVE ORGANIC AND UNSUITABLE MATERIAL, AS DETERMINED BY THE OWNERS GEOTECHNICAL CONSULTANT, PRIOR TO PLACING FILL AND REPLACE W/ ENGINEERED FILL. PLACE FILL IN HORIZONTAL LAYERS WITHIN +/- 2 PERCENT OF OPTIMUM MOISTURE CONTENT. USE FILL LAYER THICKNESS APPROPRIATE FOR THE DEGREE OF FILL COHESIVENESS AND COMPACTION ENERGY IMPARTED TO THE LIFT. COMPACT TO SPECIFIED DENSITY REQUIREMENTS. IF ACCEPTABLE TO THE OWNER'S GEOTECHNICAL CONSULTANT, ON-SITE MATERIALS THAT MEET PROJECT SPECIFICATIONS MAY BE USED FOR ENGINEERED FILL IF MAINTAINED AT OPTIMUM MOISTURE CONTENT AND COMPACTED TO THE ABOVE CRITERIA. SELECT BORROW MATERIALS WILL BE REQUIRED WHEN ON-SITE MATERIALS ARE UNSUITABLE OR CANNOT BE COMPACTED TO THE CRITERIA STATED ABOVE.

F6
EXCAVATION TO SUITABLE BEARING SUBGRADES MAY PROCEED BY CONVENTIONAL METHODS TO WITHIN 2.5 FEET OF THE PROPOSED FINAL SUBGRADES. PERFORM EXCAVATION TO FINAL SUBGRADE BY HAND.

F7
DO NOT EXTEND THE GENERAL EXCAVATION DEEPER THAN 1'-0" BELOW THE SLAB ON GROUND SUBGRADE ELEVATION. PERFORM THE EXCAVATIONS FOR SPREAD FOOTINGS, ETC ON AN INDIVIDUAL, LOCALIZED BASIS DOWN FROM THE SLAB ON GROUND SUBGRADE ELEVATION.

F8
PROVIDE APPROPRIATE MEASURES AND PRECAUTIONS NECESSARY TO MINIMIZE SETTLEMENT OF EXISTING OR NEW CONSTRUCTION INSIDE OR OUTSIDE OF THE PROJECT LIMITS. REPAIR DAMAGE TO NEW OR EXISTING CONSTRUCTION INSIDE OR OUTSIDE PROJECT LIMITS CAUSED BY CONSTRUCTION TECHNIQUES.

F9
THE OWNER'S GEOTECHNICAL CONSULTANT MUST REVIEW AND APPROVE FINISHED EXCAVATIONS AND BEARING SUBGRADES BEFORE PLACING CONCRETE. PROVIDE ADDITIONAL EXCAVATION AS NECESSARY TO ACHIEVE THE REQUIRED BEARING CAPACITY.

F10
CLEAN REINFORCEMENT IMMEDIATELY PRIOR TO PLACING CONCRETE.

F11
PLACE THE CONCRETE FOR EACH FOOTING IN ONE CONTINUOUS POUR.

F12
SUBMIT FOR INFORMATION: MATERIAL TEST REPORTS FOR EACH ON-SITE AND BORROW SOIL MATERIAL PROPOSED FOR FILL AND BACKFILL. SUBMIT SAMPLES TO OWNER'S GEOTECHNICAL CONSULTANT FOR TESTING AT LEAST TWO (2) WEEKS PRIOR TO USING MATERIAL ON SITE.
a. CLASSIFICATION ACCORDING TO ASTM D2487
b. LABORATORY COMPACTION CURVE ACCORDING TO ASTM D698

F13
ENGINEERED FILL: NATURALLY OR ARTIFICIALLY GRADED MIXTURE OF NATURAL OR CRUSHED GRAVEL, CRUSHED STONE, AND NATURAL OR CRUSHED SAND; ASTM D 2940; WITH AT LEAST 90 PERCENT PASSING A 1-1/2 INCH SIEVE AND NOT MORE THAN 12 PERCENT PASSING A NO. 200 SIEVE.

DRAINAGE COURSE: NARROWLY GRADED MIXTURE OF WASHED CRUSHED STONE, OR CRUSHED OR UNCRUSHED GRAVEL; ASTM D448; COARSE-AGGREGATE GRADING SIZE 57; WITH 100 PERCENT PASSING A 1-1/2 INCH SIEVE AND 0 TO 5 PERCENT PASSING A NO.8 SIEVE.

F14
EXCAVATION FOR FOUNDATIONS AND SLABS ON GRADE: EXCAVATE TO INDICATED ELEVATIONS AND DIMENSIONS WITHIN A TOLERANCE OF PLUS OR MINUS 1 INCH. VERTICAL TOLERANCE FOR SLAB ON GRADE SUBGRADE IS PLUS ZERO INCHES, MINUS 1 INCH. IF APPLICABLE, EXTEND EXCAVATIONS A SUFFICIENT DISTANCE FROM STRUCTURES FOR INSTALLING SERVICES AND OTHER CONSTRUCTION AND FOR INSPECTIONS.
a. EXCAVATIONS MUST PROCEED TO UNDISTURBED NATURAL SOILS, UNLESS FOUNDATIONS ARE SPECIFICALLY DESIGNED TO BEAR ON ENGINEERED FILL. REMOVE UNSUITABLE SOILS FROM THE SUBGRADE, AS DETERMINED BY THE OWNER'S GEOTECHNICAL CONSULTANT, AND REPLACE WITH LEAN CONCRETE OR WITH APPROPRIATE FILL, SUITABLE PLACED AND COMPACTED. DO NOT DISTURB BOTTOM OF EXCAVATION. EXCAVATE BY HAND, IF NECESSARY, TO FINAL GRADE JUST BEFORE PLACING CONCRETE REINFORCEMENT.
b. SUBGRADES OF ALL SOIL FOOTINGS SHALL BE LEVEL AND CLEAN, FREE OF LOOSE ROCK, DIRT, OR DEBRIS PRIOR TO ACCEPTANCE FOR CASTING CONCRETE.
c. FOR FOOTINGS BEARING ON STRUCTURAL FILL, COMPACT THE BOTTOM OF THE FOOTING EXCAVATION WITH EITHER A VIBRATORY OR IMPACT COMPACTOR WEIGHING AT LEAST 200 POUNDS AND IMPARTING A MINIMUM OF 4 KSI OF FORCE TO THE SUBGRADE.

F15
COMPACTION OF SOIL BACKFILLS AND FILLS:
a. PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
b. PLACE BACKFILL AND FILL SOIL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES TO REQUIRED ELEVATIONS, AND UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE.
c. COMPACT SOIL MATERIALS TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D695.
- UNDER STRUCTURES AND BUILDING SLABS, SCARIFY AND RECOMPACT TOP 12 INCHES OF EXISTING SUBGRADE AND EACH LAYER OF BACKFILL OR FILL SOIL MATERIAL AT 95 PERCENT.

F16
DRAINAGE COURSE UNDER CONCRETE SLABS-ON-GRADE:
a. ON PREPARED SUBGRADE, PLACE AND COMPACT DRAINAGE COURSE UNDER CAST-IN-PLACE CONCRETE SLABS-ON-GRADE AS FOLLOWS:
- INSTALL GEOTEXTILE ON PREPARED SUBGRADE ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS, OVERLAPPING SIDES AND ENDS.
- PLACE DRAINAGE COURSE 6 INCHES OR LESS IN COMPACTED THICKNESS IN A SINGLE LAYER.
- COMPACT EACH LAYER OF DRAINAGE COURSE TO REQUIRED CROSS SECTIONS AND THICKNESSES TO NOT LESS THAN 95 PERCENT OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D 698.

STRUCTURAL CONCRETE NOTES

C1
REFER TO DIVISION 03 SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THOSE LISTED BELOW.

C2
A QUALITY CONTROL PROGRAM OF FIELD TESTING AND INSPECTION WILL BE PERFORMED ON STRUCTURAL CONCRETE WORK IN ACCORDANCE WITH THE SPECIFICATIONS. SCHEDULE WORK AND PROVIDE ACCESS TO ALLOW THE TESTING REQUIREMENTS TO BE COMPLETED. PROVIDE ADEQUATE NOTICE TO ALLOW THE OWNER'S TESTING AGENCY TO REVIEW PLACEMENT OF REINFORCEMENT PRIOR TO PLACING CONCRETE.

C3
SUBMIT ENGINEERED CONCRETE MIX DESIGNS, INCLUDING REQUIRED BACKUP DATA, FOR EACH TYPE OF CONCRETE PROPOSED FOR USE TO THE ARCHITECT/ ENGINEER FOR REVIEW. ALLOW ADEQUATE TIME FOR REVIEW PRIOR TO PERFORMING CONCRETE WORK.

C4
DETAIL, FABRICATE, LABEL, SUPPORT AND PLACE CONCRETE REINFORCEMENT IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", LATEST EDITIONS.

C5
SUBMIT DETAILED SHOP DRAWINGS INDICATING REINFORCEMENT SIZE, SPACING AND PLACEMENT TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION. INCLUDE DETAILS AND LOCATIONS OF CURBS, CONSTRUCTION JOINTS, SLAB DEPRESSIONS, SLEEVES, OPENINGS, ETC.

C6
SAWCUT SLABS ON GROUND IN THE PATTERN SHOWN ON PLAN. START SAWCUTTING AS SOON AS THE SAW WILL NOT RAVEL EDGES OR DISLODGE AGGREGATE, BUT IN NO CASE MORE THAN 12 HOURS AFTER THE SLAB IS PLACED.

C7
COORDINATE LOCATION OF CONSTRUCTION JOINTS WITH ENGINEER PRIOR TO COMMENCEMENT OF CONCRETE WORK.

C8
CLEAN AND MOISTEN CONSTRUCTION JOINTS IMMEDIATELY PRIOR TO PLACING FRESH CONCRETE.

C9
COORDINATE THE LOCATION OF INSERTS, EMBEDDED PLATES, ANCHORS, REGLETS AND SIMILAR ITEMS REQUIRED BY OTHER TRADES TO BE PLACED IN CONCRETE. MAINTAIN CORRECT LOCATION OF REINFORCING BARS WHEN PLACING THESE ITEMS.

C10
UNLESS NOTED OTHERWISE, PROVIDE DOWELS TO MATCH MAIN REINFORCEMENT SIZE AND SPACING. PROVIDE TENSION LAP SPLICE UNLESS NOTED OTHERWISE.

C11
DO NOT USE CALCIUM CHLORIDE IN CONCRETE.

C12
REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR CURBS, PADS, DEPRESSIONS, WALL/SLAB OPENINGS, SPECIAL FLOOR FINISHES, ETC.

C13
PROVIDE AIR-ENTRAINING IN CONCRETE AS SET FORTH IN THE SPECIFICATIONS.

C14
PROVIDE ONLY THOSE OPENINGS INDICATED ON THE REVIEWED SHOP DRAWINGS.

C15
PROVIDE ONLY CONCRETE AND REINFORCING MATERIALS OF THE TYPES AND GRADES LISTED IN THE TABLE BELOW, UNLESS NOTED OTHERWISE.

CONCRETE	**F'C (PSI)**	**DENSITY (PCF)**
FOOTINGS	3000	150
SLABS ON GROUND	3000	150
ALL OTHER CONCRETE	4000	150

REINFORCING	**GRADE**
TYPICAL BARS	ASTM A615, GRADE 60
WELDED WIRE REINFORCEMENT	ASTM A1064

STRUCTURAL STEEL NOTES

S1
REFER TO DIVISION 05 SPECIFICATION SECTION - STRUCTURAL STEEL - FOR REQUIREMENTS IN ADDITION TO THOSE LISTED BELOW.

S2
A QUALITY CONTROL PROGRAM OF SHOP AND FIELD TESTING AND INSPECTION WILL BE PERFORMED ON STRUCTURAL STEEL FABRICATION, ERECTION, AND CONNECTIONS IN ACCORDANCE WITH THE SPECIFICATIONS. SCHEDULE WORK AND PROVIDE ACCESS TO ALLOW THE TESTING REQUIREMENTS TO BE COMPLETED.

S3
DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN CONFORMANCE WITH THE AISC SPECIFICATIONS AND CODES, LATEST EDITIONS.

S4
PERFORM WELDING USING CERTIFIED WELDERS AND IN ACCORDANCE WITH THE AWS "STRUCTURAL WELDING CODE - STEEL", LATEST EDITION. COMPLY WITH AISC SPECIFICATION FOR MINIMUM FILLET WELD SIZES, BUT DO NOT USE LESS THAN A 1/4 INCH FILLET UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

S5
SUBMIT ENGINEERED AND CHECKED SHOP DRAWINGS TO THE ARCHITECT/ ENGINEER FOR REVIEW. SHOW SHOP FABRICATION DETAILS, FIELD ASSEMBLY DETAILS, AND ERECTION DIAGRAMS FOR STRUCTURAL STEEL. SCHEDULE SUBMISSIONS TO ALLOW ADEQUATE TIME FOR REVIEW PRIOR TO FABRICATION.

S6
THE CONNECTION DETAILS SHOWN ON THE DRAWINGS ARE CONCEPTUAL AND DO NOT INDICATE THE REQUIRED COMPONENT SIZES, WELD SIZES OR DIMENSIONS UNLESS SPECIFICALLY NOTED. FINAL DESIGN AND DETAILING IS THE RESPONSIBILITY OF THE FABRICATOR. PERFORM DESIGN USING INDUSTRY STANDARDS AND CRITERIA SET FORTH IN THE CONTRACT DOCUMENTS. SUBMIT DESIGN CALCULATIONS PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSOURI.

S7
DESIGN MOMENT CONNECTIONS TO DEVELOP THE FULL FACTORED ELASTIC MOMENT CAPACITY OF THE BEAM UNLESS OTHER CRITERIA ARE NOTED ON THE DRAWINGS.

S8
DESIGN SIMPLE SHEAR CONNECTIONS CAPABLE OF END ROTATION UTILIZING HIGH STRENGTH BOLTS IN BEARING.

S9
USE BOLTED JOINTS IN FIELD CONNECTIONS WHENEVER POSSIBLE, UNLESS WELDED JOINTS ARE DETAILED.

S10
BOLTS OF DIFFERING STEEL GRADES (A325, A490, ETC) MUST VARY IN BOLT DIAMETER BY AT LEAST 1/4 INCH.

S11
PROVIDE A MINIMUM OF TWO (2) BOLTS AT EACH FAYING SURFACE.

S12
DETAIL BEAMS FRAMING INTO CONCRETE WALLS, BEAMS OR COLUMNS TO ALLOW FOR HORIZONTAL FIELD TOLERANCES AND THERMAL MOVEMENT. PROVIDE CONNECTION DETAILS REQUIRED BY THE SPECIFIC CONSTRUCTION SEQUENCES.

S13
PROVIDE SUITABLE BEARING PLATES AND ANCHOR RODS FOR BEAMS, JOISTS, OR GIRDERS WHICH BEAR ON WALLS. LOCATE ITEMS USING TEMPLATES OR SIMILAR METHODS. SET PLATES IN FULL BEDS OF NON-SHRINK GROUT. COMPLETELY FILL BEAM AND COLUMN POCKETS WITH CONCRETE PRIOR TO CASTING CONCRETE ABOVE.

S14
FABRICATE BEAMS WITH THE NATURAL CAMBER UP. PROVIDE ADDITIONAL CAMBER SHOWN ON THE DRAWINGS.

S15
THE USE OF BLEED THROUGH MARKERS IS PROHIBITED ON STEEL THAT WILL BE EXPOSED TO VIEW IN THE FINISHED WORK.

S16
AFTER FABRICATION, CLEAN STEEL OF RUST, LOOSE MILL SCALE, DIRT, OIL, GREASE OR OTHER FOREIGN MATERIALS.

S17
REFER TO THE ARCHITECTURAL DRAWINGS FOR THE REQUIRED FIRE RATINGS AND UL ASSEMBLY NUMBERS.

S18
DO NOT FIELD CUT STRUCTURAL STEEL UNLESS REVIEWED AND APPROVED BY THE ARCHITECT/ENGINEER IN WRITING. CLEARLY INDICATE STEEL MEMBER OPENINGS REQUIRED ON THE SHOP DRAWINGS. ALL COSTS FOR PROVIDING PENETRATIONS IN THE FIELD, INCLUDING MEMBER REINFORCING, IS THE RESPONSIBILITY OF THE CONTRACTOR.

S19
ERECTION PROCEDURES, SEQUENCES AND COORDINATION OF WORK WITH OTHER TRADES IS THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE ADDITIONAL STEEL REQUIRED FOR ERECTION PURPOSES AT NO COST TO THE OWNER. REMOVE THIS ADDITIONAL STEEL UNLESS DIRECTED OTHERWISE BY THE OWNER IN WRITING.

S20
PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED FOR THE SAFETY, STABILITY AND ALIGNMENT OF THE STRUCTURE. PERFORM FINAL BOLTING AND WELDING ONLY ON THOSE PORTIONS OF THE STRUCTURE THAT HAVE BEEN ALIGNED AND PLUMBED WITHIN THE SPECIFIED TOLERANCES.

S21
GROUT COLUMN BASE PLATES AFTER BUILDING FRAME HAS BEEN ALIGNED AND PLUMBED, AND PRIOR TO PLACEMENT OF CONCRETE FLOOR SYSTEMS (CIP CONCRETE SLABS, ETC).

S22
PROVIDE NEW MATERIAL CONFORMING TO THE FOLLOWING REQUIREMENTS FOR STRUCTURAL STEEL:

MEMBER	**GRADE**
WIDE FLANGE SHAPES, WT SECTIONS	ASTM A992
CHANNELS AND ANGLES	ASTM A36
HOLLOW STRUCTURAL SECTIONS (RECTANGULAR AND ROUND)	ASTM A500 GRADE B
BASE PLATES	ASTM A36 UNO
ALL OTHER STEEL MEMBERS	ASTM A36 UNO
HIGH STRENGTH BOLTS, NUTS AND WASHERS	ASTM A-325 OR A-490 (MIN. 3/4" DIAMETER)
ANCHOR RODS	ASTM F1554 GRADE 36 UNO
STEEL SHAPE WELDING ELECTRODE	E70XX

STRUCTURAL DESIGN LOADS

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE

RISK CATEGORY III

EXISTING WOOD TRUSS DESIGN CRITERIA (FROM EXISTING DRAWINGS)

A & C WINGS:
TOP CHORD 30 PSF LIVE LOAD, 10 PSF DEAD LOAD PLUS ADDITIONAL 6PSF DEAD LOAD IN OVERFRAMED AREAS.
BOTTOM CHORD 10 PSF DEAD LOAD
TRUSS SPACING 24" OC MAX

EARTHQUAKE DESIGN DATA:

1. SEISMIC IMPORTANCE FACTOR, I = 1.25
2. SPECTRAL RESPONSE ACCELERATIONS
Ss = 0.54
S1 = 0.18
3. SITE CLASSIFICATION = D PER GEOTECHNICAL REPORT.
4. DESIGN SPECTRAL RESPONSE ACCELERATIONS
SDS = 0.54
SD1 = 0.26
5. SEISMIC DESIGN CATEGORY = D

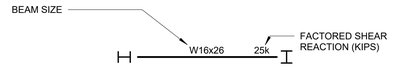
SEISMIC BRACING OF ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS

1. FOR SEISMIC DESIGN CATEGORY D COMPONENT BRACING REQUIREMENTS ARE AS FOLLOWS:

ARCHITECTURAL COMPONENTS:
Ip = 1.0 REQUIRED
Ip = 1.5 REQUIRED

MECHANICAL/ELECTRICAL COMPONENTS:
Ip = 1.0 REQUIRED
Ip = 1.5 REQUIRED

STEEL BEAM LEGEND



NOTES:
1 DESIGN SHEAR REACTION EQUALS 14 KIPS FACTORED IF NONE IS LISTED.

TIMBER NOTES

T1
REFER TO DIVISION 06 SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THOSE LISTED BELOW.

T2
COMPLY WITH THE LATEST EDITION OF THE "TIMBER CONSTRUCTION STANDARDS" OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, AITC AND THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" OF THE AMERICAN FOREST AND PAPER ASSOCIATION (AFANDPA) FOR STRUCTURAL TIMBER MATERIALS AND WORKMANSHIP.

T3
USE STRESS-GRADED KILN DRIED SOUTHERN PINE FOR SAWN STRUCTURAL LUMBER.

a. USE SOUTHERN PINE, NO.2 DENSE OR BETTER FOR 2X4 WALL STUDS AND PLATES.
b. USE SOUTHERN PINE, NO.2 DENSE OR BETTER FOR BLOCKING AND BRIDGING.

T4
STUDS SHALL BE KILN-DRIED TO 15% MAXIMUM MOISTURE CONTENT AND HAVE THE FOLLOWING MINIMUM DESIGN VALUES:
a. 2x4 STUDS
Fb = 1200 psi Ft = 750 psi Fv = 175 psi
Fc (PERPENDICULAR) = 660 psi Fc (PARALLEL) = 1500 psi
E = 1.6x10^6 psi

T5
MICROLLAM LVL HEADERS SHALL HAVE THE FOLLOWING STRUCTURAL PROPERTIES:
a. Fb = 2600 psi
b. Fv = 285 psi
c. E = 2.0x10^6 psi

T6
USE LIGHT GAGE TIMBER CONNECTORS MANUFACTURED BY SIMPSON STRONG-TIE OR APPROVED EQUAL. USE MANUFACTURERS FURNISHED NAILS OR BOLTS.

T7
THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORAGE AND ERECTION PROCEDURES AND SEQUENCES TO PREVENT ADVERSE EFFECTS ON THE SPECIFIED PHYSICAL PROPERTIES OF THE MEMBERS.

T8
DO NOT FIELD CUT STRUCTURAL TIMBER MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT THE PRIOR REVIEW OF THE ENGINEER.

T9
ALL FASTENINGS SHALL CONFORM TO IBC TABLE 2304.10.1 FASTENING SCHEDULE, UNO.

T10
ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

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STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

STATE OF MISSOURI
JULIE A. SHAW
NUMBER PE-2018021257
PROFESSIONAL ENGINEER

Julie A. Shaw - Structural Engineer
MO# PE-2018021257

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Architecture: # 000051
Missouri State Certificate of Authority
Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACILITY # 8136804001

REVISION DATE

ISSUE DATE: 06/26/2025

CAD DWG FILE
DRAWN BY: CD
CHECKED BY: CD
DESIGNED BY: CD

SHEET TITLE:

GENERAL NOTES AND ABBREVIATIONS

SHEET NUMBER:

S-001

44 OF 93 SHEETS
06/26/2025

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MISCELLANEOUS

M1
EMPLOY A LICENSED SURVEYOR TO VERIFY EXISTING DIMENSIONS, FLOOR ELEVATIONS, AND FLOOR-TO-FLOOR HEIGHTS BEFORE ORDERING, DETAILING, FABRICATING, OR ERECTING STRUCTURAL STEEL. THIS INFORMATION MUST BE CONFIRMED AT LOCATIONS WHERE NEW FLOORS AND ROOFS MEET EXISTING CONSTRUCTION.

M2
CONSULT THE ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATION AND SIZE OF CHASES, INSERTS, OPENINGS, SLEEVES, WASHES, DRIPS, REVEALS, DEPRESSIONS, EQUIPMENT PADS AND OTHER PROJECT REQUIREMENTS. COMBINE THE REQUIREMENTS INTO THE SHOP DRAWINGS AND THE WORK. PROVIDE STRUCTURAL FRAMING PER TYPICAL DETAILS AS REQUIRED AT FLOOR AND ROOF OPENINGS WHERE STRUCTURAL FRAMING IS NOT SHOWN.

M3
THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION OF CONSTRUCTION OF THE PROJECT AND THEN, ONLY TO SUPPORT THE DESIGN LOADS INDICATED. THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS AND SEQUENCE OF CONSTRUCTION AND FOR THE ADEQUACY OF THE STRUCTURE TO SUPPORT LOADS OCCURRING DURING CONSTRUCTION. FURNISH TEMPORARY BRACING, SHORING, AND/OR SUPPORT AS REQUIRED.

M4
CHECK DIMENSIONS AGAINST THE REQUIREMENTS OF OTHER CONTRACT DOCUMENTS. RESOLVE APPARENT INCONSISTENCIES IN THE CONTRACT DOCUMENTS WITH THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH WORK.

M5
SHOW OPENINGS THROUGH STRUCTURAL MEMBERS ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW. OPENINGS WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS ARE SUBJECT TO REVIEW AND ACCEPTANCE AND ARE TO BE CLEARLY INDICATED FOR REVIEW AND ACCEPTANCE ON THE SHOP DRAWINGS.

M6
DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, USE DETAILS OF SIMILAR CONSTRUCTION, SUBJECT TO APPROVAL BY THE ENGINEER.

M7
WHEREVER THERE IS CONFLICT BETWEEN DETAILS OR TWO DETAILS APPLYING TO THE SAME CONDITION, THE ENGINEER WILL HAVE SOLE AUTHORITY TO DETERMINE WHICH DETAIL IS THE MOST APPROPRIATE FOR THE CONDITION.

M8
SUBMIT SHOP DRAWINGS AND CALCULATIONS SEALED BY A REGISTERED PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSOURI FOR EACH OF THE FOLLOWING ASSEMBLIES. COMPLY WITH THE APPLICABLE PROVISIONS OF THE SPECIFICATIONS AND BUILDING CODE FOR LOADING, ALLOWABLE STRESSES AND DEFLECTION LIMITS. SUBMITTALS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS:

a. COLD FORMED METAL FRAMING ASSEMBLIES THAT ARE NOT USED AS THE PRIMARY VERTICAL LOAD BEARING ELEMENTS OF THE BUILDING. INCLUDE DESIGN OF CONNECTIONS.
b. ALL OTHER ASSEMBLIES LISTED IN THE SPECIFICATIONS THAT REQUIRE ENGINEERING CALCULATIONS.

M9
PROMPTLY NOTIFY THE ENGINEER OF ANY STRUCTURAL MEMBER CALLED OUT ON THE ARCHITECTURAL, MECHANICAL, PLUMBING OR ELECTRICAL DRAWINGS THAT IS NOT IDENTIFIED ON THE STRUCTURAL DRAWINGS. DESIGN OF THESE MEMBERS WILL BE PROVIDED AS NECESSARY BY THE STRUCTURAL ENGINEER UPON NOTIFICATION.

M10
THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATION AND PLACEMENT OF INSERTS, HANGERS AND OTHER MISCELLANEOUS ITEMS REQUIRED FOR THE SUPPORT OF MECHANICAL, ELECTRICAL AND PLUMBING ITEMS SUSPENDED FROM THE STRUCTURE.

M11
DO NOT MAKE MODIFICATIONS, ALTERATIONS OR REPAIRS TO THE STRUCTURE WITHOUT PRIOR REVIEW BY THE STRUCTURAL ENGINEER. SUBMIT DETAILS AND CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED IN STATE WHERE PROJECT IS LOCATED AND EMPLOYED BY CONTRACTOR.

M12
REFERENCE ELEVATION 100'-0" IS EQUAL TO TOP OF EXISTING SLAB ON GRADE ELEVATION.

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MIKE KEHOE,
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ST. LOUIS, MISSOURI

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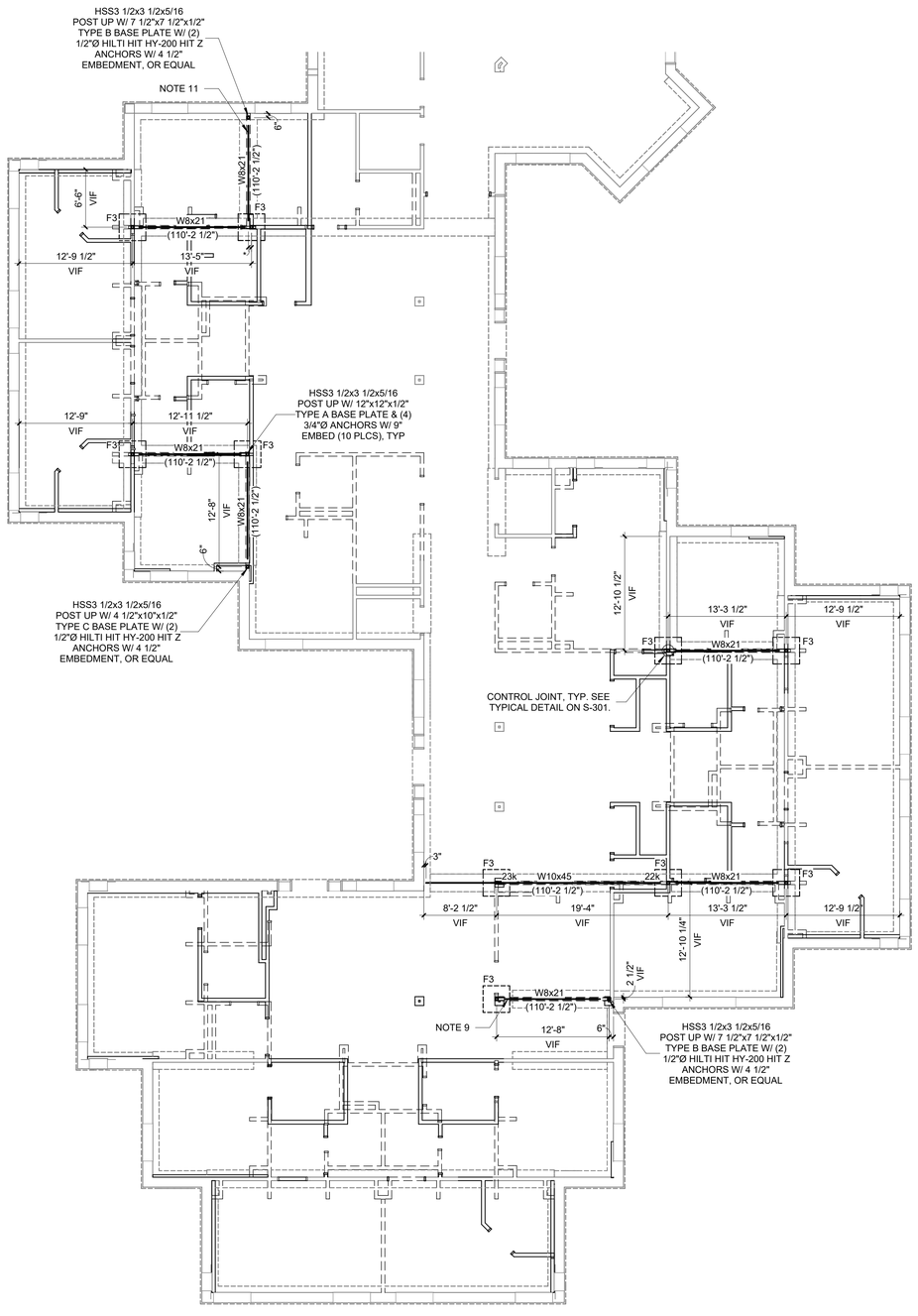
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SHEET TITLE:
GENERAL NOTES AND ABBREVIATIONS

SHEET NUMBER:
S-002

45 OF 93 SHEETS
06/26/2025

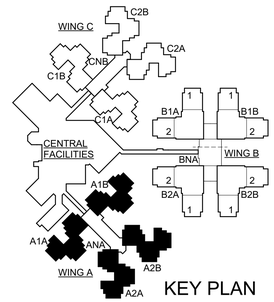
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1 LEVEL 01 A WINGS FOUNDATION PLAN

1/8" = 1'-0"

1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE DRAWING S-001.
2. AREA A2A IS SHOWN ON PLAN. AREA A1A IS SIMILAR, AND AREAS A1B AND A2B ARE OPPOSITE HAND.
3. TOP OF SLAB ELEVATION 100'-0" UNLESS NOTED OTHERWISE [+ OR -] FROM ELEVATION 100'-0".
4. TOP OF STEEL AS NOTED ON PLAN. ELEVATION SHALL BE VERIFIED IN FIELD AND ADJUSTED TO COORDINATE WITH EXISTING TRUSS BEARING ELEVATIONS.
5. TOP OF FOOTING ELEVATION 99'-0" UNLESS NOTED THUS.
6. F__ INDICATES FOOTING MARKS. SEE SCHEDULE ON S-301 FOR FURTHER INFORMATION.
7. INDICATES DIMENSIONS TO BE COORDINATED DURING CONSTRUCTION WITH APPROVED EQUIPMENT AND/OR EXISTING CONDITIONS.
8. PROVIDE SHORING OF EXISTING FRAMING WHEN DEMOLISHING LOAD BEARING WALLS UNTIL NEW STRUCTURE IS INSTALLED AND HAS ACHIEVED THE FULL DESIGN STRENGTH.
9. WHERE PERPENDICULAR STEP DOWN TRUSSES CONNECT TO HEADER, SEE TYPICAL DETAIL 4/S-601 FOR CONNECTION INFO.
10. SLAB ON GRADE INFILL SHALL BE 4" CONCRETE SLAB ON GRADE REINFORCED WITH 6x6-W2.1xW2.1 WWF ON 15 MIL MIN VAPOR BARRIER OVER 4" GRANULAR BASE COURSE. SEE 2/S-301 FOR SUB-BASE. REFER TO ARCH FOR LOCATIONS REQUIRING INFILL.
11. BEAM AND ASSOCIATED POST AT EXTERIOR WALL ARE ONLY ANTICIPATED TO BE REQUIRED IN WINGS A1A AND A1B. VERIFY IN FIELD WITH EXISTING TRUSS CONFIGURATION AND ALERT DESIGN TEAM IF EXISTING FRAMING SUGGESTS OTHERWISE IN ANY A WING. ALIGN BEAM AND POST WITH LOCATION OF EXISTING TRUSS BEARING/EXISTING LOAD BEARING WALL.



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MIKE KEHOE,
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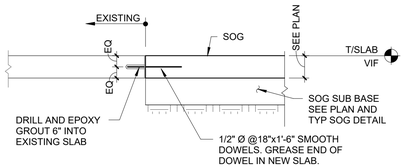
LEVEL 01 A WINGS FOUNDATION PLAN

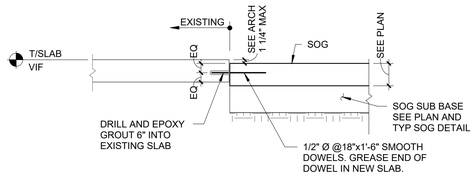
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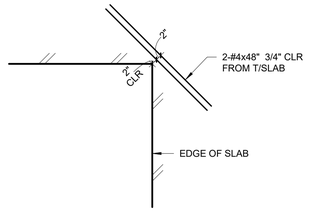
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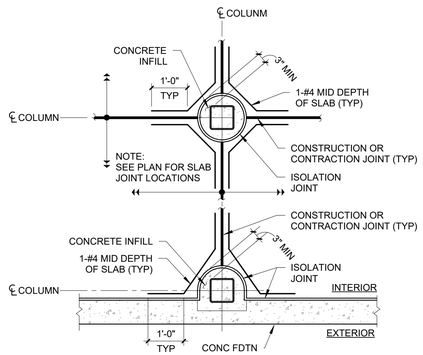




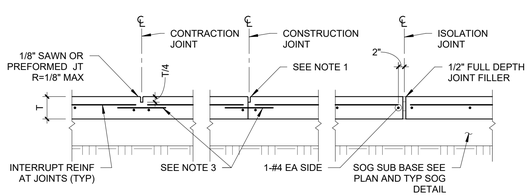
9 SLAB ON GRADE JOINT AT EXISTING SLABS
NTS



8 ADDITIONAL REINFORCING AT CORNERS IN SLAB-ON-GRADE
NTS



7 SLAB ON GRADE ISOLATION JOINT AT COLUMNS
NTS



NOTES:
1. LOCATE CONSTRUCTION JOINTS AT CONTRACTION JOINT LOCATIONS SHOWN ON PLAN. MATCH CONTRACTION JOINT PROFILE.
2. CONTRACTION JOINTS SHALL MATCH JOINTS IN EXISTING SLAB WHERE THEY OCCUR. MAXIMUM SPACING BETWEEN CONTRACTION JOINTS = 15'-0".
3. 3/4" x 1'-4" SMOOTH DOWEL AT 18 INCHES ON CENTER. SET AT T/2 BELOW TOP OF SLAB. GREASE ONE END.
4. DO NOT PLACE DOWELS WITHIN 12" OF A SLAB CORNER.

6 TYPICAL SLAB ON GRADE JOINTS
NTS

TENSION LAP SPLICE LENGTHS FOR BARS ENCLOSED IN TIES OR STIRRUPS

BAR SIZE	CONCRETE COMPRESSIVE STRENGTH								
	3,000 PSI			4,000 PSI			5,000 PSI		
	BAR TYPE		STD HOOK DEV	BAR TYPE		STD HOOK DEV	BAR TYPE		STD HOOK DEV
	TOP	OTHER		TOP	OTHER		TOP	OTHER	
#3	28	22	6	25	19	6	22	17	6
#4	38	29	8	33	25	7	29	23	6
#5	47	36	10	41	31	8	36	28	7
#6	56	43	12	49	37	10	44	34	9
#7	81	63	13	71	54	12	63	49	10
#8	93	72	15	81	62	13	72	56	12
#9	105	81	17	91	70	15	81	63	13
#10	118	91	19	102	79	17	92	71	15
#11	131	101	22	114	87	19	102	78	17

TENSION LAP SPLICE LENGTHS FOR BARS NOT ENCLOSED IN TIES OR STIRRUPS

BAR SIZE	CONCRETE COMPRESSIVE STRENGTH								
	3,000 PSI			4,000 PSI			5,000 PSI		
	BAR TYPE		STD HOOK DEV	BAR TYPE		STD HOOK DEV	BAR TYPE		STD HOOK DEV
	TOP	OTHER		TOP	OTHER		TOP	OTHER	
#3	17	16	6	16	16	6	16	16	6
#4	28	22	8	25	19	7	22	17	6
#5	41	32	10	36	28	8	32	25	7
#6	56	43	12	49	37	10	44	34	9
#7	90	69	13	78	60	12	70	54	10
#8	112	86	15	97	74	13	87	67	12
#9	135	104	17	117	90	15	105	81	13
#10	162	125	19	141	108	17	126	97	15
#11	190	146	22	165	127	19	147	114	17

NOTES:
1. TABULATED VALUES ARE GIVEN IN INCHES.
2. DIVIDE TABULATED VALUES BY 1.30 TO ACHIEVE STRAIGHT BAR TENSION DEVELOPMENT LENGTHS.
3. APPLY A 1.30 MULTIPLIER ON TABULATED VALUES FOR USE IN LIGHTWEIGHT CONCRETE.
4. APPLY A 1.50 MULTIPLIER ON TABULATED VALUES FOR EPOXY COATED BARS WITH COVER LESS THAN 3 BAR DIAMETERS OR CLEAR SPACING LESS THAN 6 BAR DIAMETERS. APPLY A 1.20 MULTIPLIER ON ALL OTHER EPOXY COATED BARS.
5. MULTIPLIERS FOR LIGHTWEIGHT CONCRETE AND EPOXY COATING ARE ADDITIVE.
6. TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE DEVELOPMENT LENGTH OR SPLICE.
7. "SIDE LAP" LAP SPLICES TO MAINTAIN SPECIFIED CONCRETE COVER. WHEN BARS OF DIFFERENT SIZE ARE LAP SPLICED, USE THE LARGER OF THE DEVELOPMENT LENGTH OF THE LARGER BAR OR THE LAP SPLICE LENGTH OF THE SMALLER BAR.
8. NON-CONTACT SPLICES NOT PERMITTED.

5 TENSION LAP SPLICE LENGTHS FOR GRADE 60 REINFORCEMENT
NTS

COMPRESSION DEVELOPMENT AND LAP SPLICE LENGTHS

BAR SIZE	CONCRETE COMPRESSIVE STRENGTH					
	3,000 PSI		4,000 PSI		5,000 PSI	
	DEV	SPLICE	DEV	SPLICE	DEV	SPLICE
#3	9	12	8	12	8	12
#4	11	15	10	15	9	15
#5	14	19	12	19	12	19
#6	17	23	15	23	14	23
#7	20	27	17	27	16	27
#8	22	30	19	30	18	30
#9	25	34	22	34	21	34
#10	28	39	25	39	23	39
#11	31	43	27	43	26	43

NOTES:
1. TABULATED VALUES ARE GIVEN IN INCHES.
2. COMPRESSION SPLICES PERMISSIBLE ONLY WHERE SPECIFICALLY NOTED.
3. TABLE IS APPLICABLE FOR NORMAL WEIGHT CONCRETE.
4. TABLE NOT APPLICABLE FOR EPOXY COATED REINFORCEMENT
5. "SIDE LAP" LAP SPLICES TO MAINTAIN SPECIFIED CONCRETE COVER.
6. WHEN BARS OF DIFFERENT SIZE ARE LAP SPLICED, THE SPLICE LENGTH SHALL BE THE LARGER OF THE DEVELOPMENT LENGTH OF THE LARGER BAR, OR THE SPLICE LENGTH OF THE SMALLER BAR.

4 COMPRESSION LAP SPLICE LENGTHS FOR GRADE 60 REINFORCEMENT
NTS

FOOTING SCHEDULE

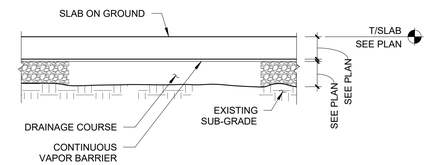
ALLOWABLE BEARING PRESSURE
2500 PSF

MARK	WIDTH	LENGTH	THICKNESS	REINFORCING (EW T&B UNO)	REMARKS
F3	3'-0"	3'-0"	1'-2"	5-#4	

FOOTING SCHEDULE NOTES:

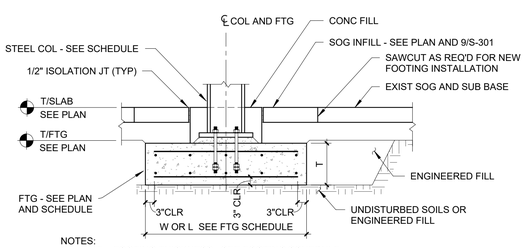
1. SEE PLANS AND DETAILS FOR TOP OF FOOTING ELEVATIONS.
2. SEE S-001 FOR FOUNDATION AND CONCRETE NOTES.

3 FOOTING SCHEDULE AND NOTES
NTS



NOTES:
1. PROVIDE CONTINUOUS PROTECTION AGAINST WATER INFILTRATION PRIOR TO INSTALLATION OF VAPOR BARRIER AND POROUS SUB BASE. MAINTAIN VAPOR BARRIER AND SUB BASE IN DRY CONDITION UNTIL BUILDING IS OCCUPIED.

2 TYPICAL SLAB ON GRADE
NTS



NOTES:
1. T = FOOTING THICKNESS - SEE FOOTING SCHEDULE.
2. EVENLY SPACE FOOTING REINFORCEMENT.

1 TYPICAL COLUMN FOOTING WITHOUT PIER
NTS

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DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI
VETERANS COMMISSION

ST. LOUIS VETERANS
HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACILITY #8136804001

REVISION DATE

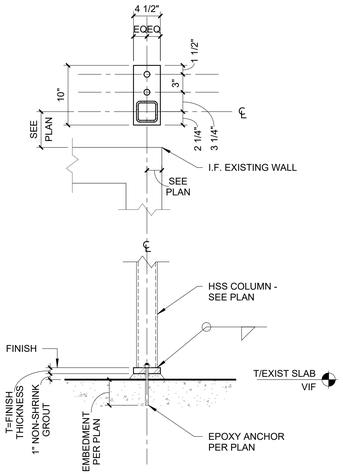
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SHEET TITLE:
TYPICAL FOUNDATION DETAILS

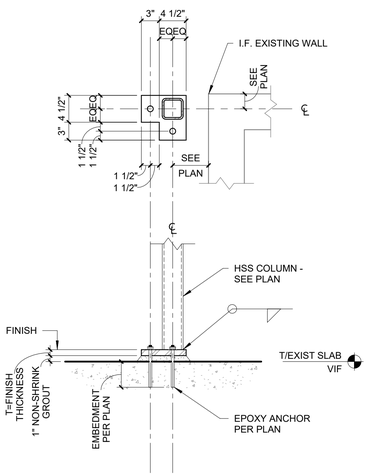
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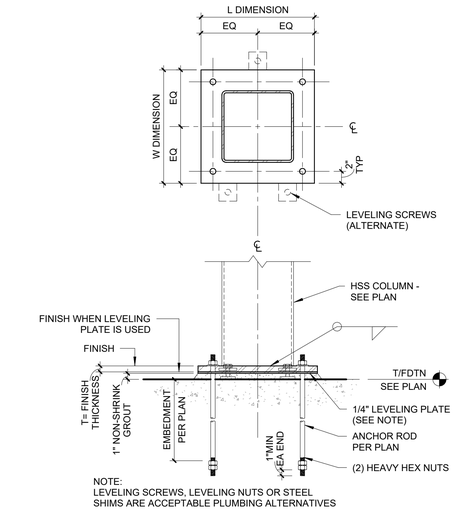
TYPICAL STEEL COLUMN BASE AT EXISTING FOUNDATION DETAIL - TYPE C

5 NTS



TYPICAL STEEL COLUMN BASE AT EXISTING FOUNDATION DETAIL - TYPE B

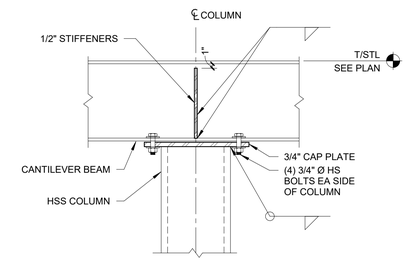
4 NTS



ALTERNATE CONTRACTOR OPTION FOR EPOXY ANCHORS: PROVIDE (4) 3/4"Ø HILTI HY-200 HAS/HIT-V THREADED RODS WITH 9" EMBEDMENT OR EQUAL. PRE-DRILL AND DO NOT DAMAGE REINFORCEMENT.

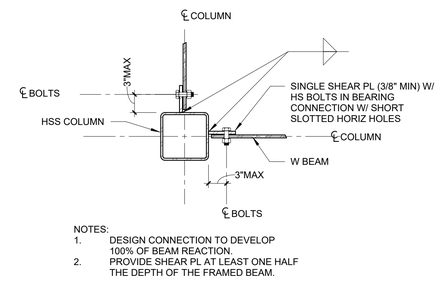
TYPICAL STEEL COLUMN BASE DETAIL - TYPE A

3 NTS



CONTINUOUS BEAM OVER TOP OF COLUMN DETAIL

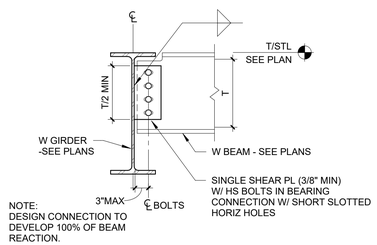
2 NTS



NOTES:
1. DESIGN CONNECTION TO DEVELOP 100% OF BEAM REACTION.
2. PROVIDE SHEAR PL AT LEAST ONE HALF THE DEPTH OF THE FRAMED BEAM.

TYPICAL FRAMED BEAM TO HSS COLUMN CONNECTION - HSS FACE DIM <8"

1 NTS



NOTE:
DESIGN CONNECTION TO DEVELOP 100% OF BEAM REACTION.

TYPICAL FRAMED BEAM CONNECTION

6 NTS

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STATE OF MISSOURI
MIKE KEHOE,
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STATE OF MISSOURI
JULIE A. SHAW
NUMBER PE-2018021257
PROFESSIONAL ENGINEER

Julie A. Shaw - Structural Engineer
MO# PE-2018021257

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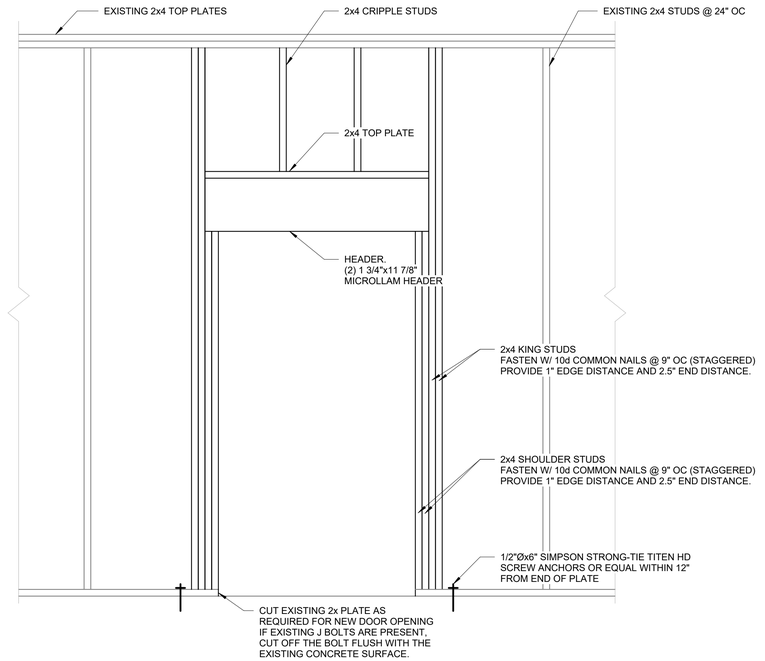
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TYPICAL STEEL FRAMED DETAILS

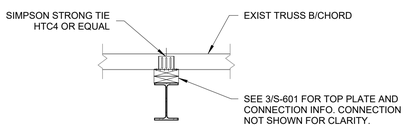
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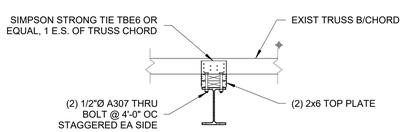
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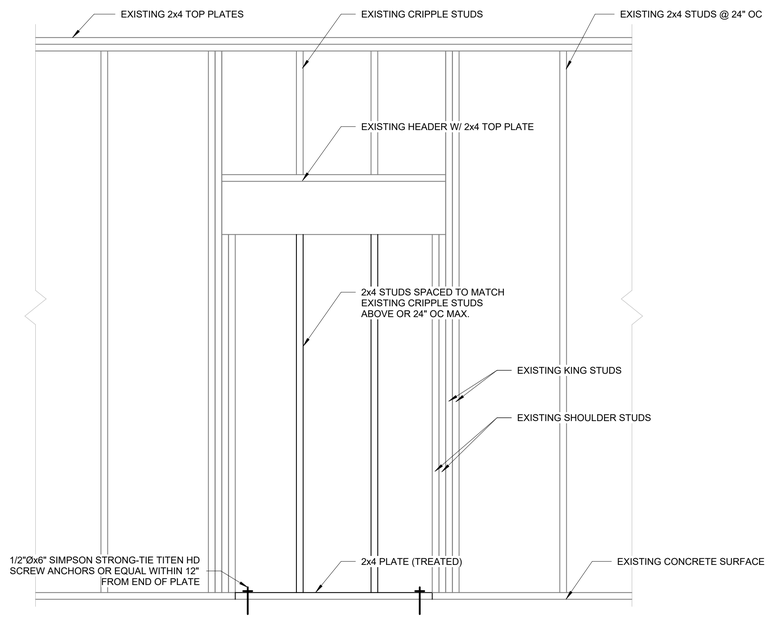
2 TYPICAL NEW INTERIOR WALL OPENING FRAMING DETAIL
NTS



4 TYPICAL TRUSS CONNECTION AT NON-LOAD BEARING TOP PLATE DETAIL
NTS



3 TYPICAL TOP PLATE AND TRUSS CONNECTION TO NEW BEAM DETAIL
NTS



1 TYPICAL EXISTING INTERIOR WALL INFILL FRAMING DETAIL
NTS

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SHEET TITLE:

TYPICAL WOOD DETAILS

SHEET NUMBER:

S-601

49 OF 93 SHEETS
06/26/2025

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3 DEMOLITION NOTES

1. DEMOLITION INFORMATION SHOWN ON THE DRAWINGS IS BASED ON SHOP DRAWINGS AND A PRELIMINARY REVIEW OF THE EXISTING CONDITIONS. PERFORM ALL WORK OF A DEMOLITION NATURE THAT MAY BE REQUIRED OR NECESSARY FOR A FULL AND COMPLETE EXECUTION OF THE WORK, WHETHER OR NOT SHOWN OR SPECIFIED. THE EXACT EXTENT OF DEMOLITION MAY NOT BE FULLY INDICATED ON THE DRAWINGS. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDS AND CONFIRM COMPLETE EXTENT OF DEMOLITION REQUIRED.
2. MATERIALS AND EQUIPMENT TO BE SALVAGED OR REUSED SHALL BE IDENTIFIED BY THE OWNER. THESE ITEMS ARE THE PROPERTY OF THE OWNER AND SHALL BE RETURNED TO THE OWNERS DESIGNATED STORAGE AREA. WHERE REMOVAL IS REQUIRED THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARE TAKEN DURING THE HANDLING OF THESE ITEMS.
3. DEMOLISHED MATERIALS AND EQUIPMENT NOT BEING SALVAGED OR REUSED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE AND LEGALLY DISPOSED OF.

4 GENERAL NOTES

1. THIS IS A GENERAL LIST OF ABBREVIATIONS AND SYMBOLS ON THIS SHEET. SOME ABBREVIATIONS AND SYMBOLS MAY NOT BE APPLICABLE TO THIS PROJECT.
2. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT ROUTING OR ALL REQUIRED OFFSETS, ACCESSORIES OR APPURTENANCES. CONTRACTOR SHALL PROVIDE AS REQUIRED TO INSTALL A COMPLETE AND COORDINATED JOB, INCLUDING ANY ADDITIONAL ITEMS REQUIRED TO MEET ACTUAL FIELD CONDITIONS AND EQUIPMENT SELECTED.
3. FIRE PROTECTION CONTRACTOR SHALL COORDINATE LOCATION OF ALL SPRINKLER HEADS AND PIPING WITH STRUCTURAL ELEMENTS, MECHANICAL, PLUMBING, ELECTRICAL EQUIPMENT AND CEILING CONFIGURATION INDICATED ON DRAWINGS. WHERE NECESSARY SPRINKLER CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLERS TO ASSURE REQUIRED DISCHARGE PATTERNS AROUND OBSTRUCTIONS AND DIFFERENT CEILING ELEVATIONS TO YIELD A PROPER DENSITY (gpm / sq. ft.) FOR THE DESIGNED HAZARD.
4. ALL PIPING, FITTINGS AND JOINTS IN SPRINKLER AND STANDPIPE SYSTEMS SHALL CONFORM TO NFPA 13 & 14, NON-METALLIC PIPE AND FITTINGS ARE UNACCEPTABLE.
5. ALL VALVES WILL BE READILY ACCESSIBLE FROM A SAFE HEIGHT ON A SIX FOOT LADDER AND TO BE CLEAR OF ALL OBSTRUCTIONS AND THEIR OPERATION SHALL NOT BE ENCUMBERED BY ANY DEVICE OR EQUIPMENT.
6. INSTALL ALL OVERHEAD HANGERS AND SUPPORTS PRIOR TO SPRAY FIREPROOFING OR DRYWALL CEILING.
7. DO NOT SUPPORT SPRINKLER PIPING FROM METAL DECK.
8. ALL SPRINKLER SYSTEMS SHALL BE EQUIPPED WITH A BACKFLOW PREVENTION DEVICE OF THE TYPE REQUIRED FOR THE GIVEN CONDITIONS IN ACCORDANCE WITH ALL NFPA REQUIREMENTS. AS A MINIMUM, A DOUBLE CHECK VALVE TYPE DEVICE IS REQUIRED. THE DEVICE SHALL BE INSTALLED WITHIN 36 INCHES FROM WHERE THE FIRE SERVICE ENTERS THE FACILITY. ALL BACKFLOW PREVENTERS SHALL BE ELECTRICALLY SUPERVISED BY THE FIRE ALARM CONTROL PANEL. PIPE SLEEVING SHALL BE IN ACCORDANCE WITH NFPA FOR EARTHQUAKE REQUIREMENTS.
9. SPRINKLER HEADS SHALL BE QUICK RESPONSE TYPE.
10. SPRINKLER PIPING IS TO BE BRACED AND RESTRAINED (BRANCH LINES) IN ACCORDANCE WITH NFPA 13 FOR SEISMIC REQUIREMENTS.
11. EXTENDED COVERAGE SPRINKLERS WILL BE ACCEPTABLE.
12. THE ENTIRE NEW ADDITION SHALL BE COMPLETELY SPRINKLERED WITH A WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 FOR LIGHT HAZARD OCCUPANCY.
13. SPRINKLER SYSTEM SHALL BE ZONED AS SHOWN ON DRAWINGS.
14. THE SPACE ABOVE THE CEILING IS LIMITED AND THE INSTALLATION OF WORK WILL BE TIGHT. DUE TO THIS, IT IS IMPORTANT THAT THE TRADE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THEIR WORK WITH THE CEILING SYSTEM HEIGHT AND CONSTRUCTION OF THE STRUCTURAL SYSTEM, THE LIGHTING FIXTURES, THE SPRINKLER HEADS/MAINS AND THE PLUMBING PIPES. ROUTE PIPING AS HIGH AS POSSIBLE. MAINTAIN PROPER SERVICE ACCESS CLEARANCE. ACCURATE SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO FIELD INSTALLATION.
15. EXISTING SPRINKLER PIPING ROUTING SHALL BE REVISED TO AVOID NEW STRUCTURAL BEAMS AND HEADERS.

OCCUPANCY CATEGORY (III)	MECHANICAL AND PLUMBING EQUIPMENT COMPONENTS EARTHQUAKE LOAD RESISTANCE							SEISMIC DESIGN CATEGORY (D)
LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
					ON CONSTRUCTION DOCUMENTS	SUBSEQUENT SUBMITTAL		
	NOT PROVIDED FOR PROJECT	PROVIDED FOR PROJECT	NOT PROVIDED FOR PROJECT	PROVIDED FOR PROJECT	DRAWING NO. OR SPEC. SECTION	SHOP DRAWINGS	SEPARATE PERMIT & PLANS	
OTHER EQUIPMENT & SYSTEM COMPONENTS NEEDED FOR CONTINUED OPERATION OF OCCUPANCY CATEGORY IV FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION								N/A, NO OCCUPANCY CATEGORY IV IN THE PROJECT
Ip = 1.5 FIRE PROTECTION SPRINKLER PIPING		X		X		X		1, 2, 3

NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO SUBMITTAL TO THE PLAN REVIEWER.
2. COMPONENTS SHALL BE POSITIVELY ATTACHED WITH MECHANICAL FASTENERS.
3. FIRE PROTECTION SPRINKLER PIPING, HANGERS, AND BRACING SHALL CONFORM TO ASCE 7-16, SECTION 13.6.7.2.

2 SYMBOLS

- FP — FIRE PROTECTION PIPING (FP)
- EX. FP — FIRE PROTECTION PIPING (FP) EXISTING
- FIRE PROTECTION PIPING (FP) DEMO
- CA — CLEAN AGENT PIPING (CA)
- EX. CA — CLEAN AGENT PIPING (CA) EXISTING
- CLEAN AGENT PIPING (CA) DEMO
- DIRECTION OF FLOW
- PIPE ANCHOR
- UNION
- VALVE
- OS&Y VALVE
- CHECK VALVE (SHOWN W/FLOW)
- PIV — POST INDICATOR VALVE
- DPV — DRY PIPE VALVE
- SOLENOID VALVE
- CONTROL VALVE
- D — DELUGE VALVE
- CONCEALED SPRINKLER HEAD
- UPRIGHT SPRINKLER HEAD
- PENDENT SPRINKLER HEAD
- SEMI RECESSED SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- PENDENT ON/OFF SPRINKLER HEAD
- SECURITY PENDENT SPRINKLER HEAD
- BACKFLOW PREVENTER (BFP)
- BOTTOM DROP
- ELBOW DOWN
- ELBOW UP
- CAPPED PIPING
- PUMP (SCHEMATIC)
- FDV — FIRE DEPARTMENT VALVE
- FHC — FIRE HOSE CABINET
- FIRE DEPARTMENT HOSE VALVE
- FDC — FIRE DEPARTMENT CONNECTION
- FREE-STANDING FIRE DEPARTMENT CONNECTION
- FPT — FLUSH FIRE PUMP TEST HEADER
- FREE-STANDING FIRE PUMP TEST HEADER
- FLOW SWITCH
- PRESSURE SWITCH
- IONIZATION DETECTOR (SMOKE)
- R — RATE OF RISE DETECTOR
- PHOTOELECTRIC DETECTOR
- P — MANUAL PULL STATION
- HORN
- HORN W/ STROBE LIGHT
- A — ABORT SWITCH (DEADMAN TYPE)
- ROTATING BEACON
- CP — CONTROL PANEL
- D — HEAT DETECTOR
- POINT OF CONNECTION (NEW TO EXISTING)
- POINT OF CONNECTION (NEW TO EXISTING)
- FP / 1 — RISER INDICATOR / DETAIL NO.
  TOP INDICATES TYPE OF RISER / DETAIL NO.
  BOTTOM INDICATES RISER NUMBER / DWG NO.
- 1 / F101 — SECTION INDICATOR
  TOP INDICATES SECTION NUMBER
  BOTTOM INDICATES DRAWING NUMBER
- KEYED NOTE TAG
- XX — NEW EQUIPMENT TAG
- (E)XXX — EXISTING EQUIPMENT TAG
  EXISTING
- AREA MATCHLINE

1 ABBREVIATIONS

AC	AIR COMPRESSOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AP	ACCESS PANEL
ARCH	ARCHITECTURE
ASSY	ASSEMBLY
ATM	ATMOSPHERE
AUTO	AUTOMATIC
AUX	AUXILIARY
BOB	BOTTOM OF BEAM
BOP	BOTTOM OF PIPE
CA	COMPRESSED AIR OR CLEAN AGENT
CALCS	CALCULATIONS
CAP	CAPACITY
CC	CEILING COLUMN
CCD	CHICAGO CITY DATUM
CLG	CEILING
cm	CENTIMETER
CO2	CARBON DIOXIDE
COL	COLUMN
CONC	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUED
CSP	COMBINED STANDPIPE/SPRINKLER SYSTEM
CV	CHECK VALVE
DCV	DOUBLE CHECK VALVE
DDCV	DOUBLE DETECTOR CHECK VALVE
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DRAIN
DPV	DRY PIPE VALVE
DV	DRAIN VALVE
DWG	DRAWING
EA	EACH
ELEV.	ELEVATION
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EX	EXISTING
EXIST	EXISTING
EXP	EXPANSION
F	FAHRENHEIT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FD1,2,3...	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDV	FIRE DEPARTMENT VALVE
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISHED
FH	FIRE HOSE
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FLR	FLOOR
FP	FIRE PROTECTION
FPC	FIRE PUMP CONTROLLER
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPTC	FIRE PUMP TEST CONNECTION
FS	FLOW SWITCH
FT	FEET
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
IN	INCHES
ITC	INSPECTORS TEST CONNECTION
MD	MAIN DRAIN
N&C	NIPPLE AND CAP
NA	NOT APPLICABLE
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO.	NUMBER
N.O.	NORMALLY OPEN
NS	NOT SPRINKLERED
NTS	NOT TO SCALE
OSW	OPEN SITE WASTE
OS&Y	OUTSIDE SCREW AND YOKE
P	PUMP
PG	PRESSURE GAUGE
PIV	POST INDICATOR VALVE
PKG	PACKAGE
POC	POINT OF CONNECTION
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
QTY	QUANTITY
RN	RISER NIPPLE
RPM	REVOLUTIONS PER MINUTE
SCV	SECTIONAL CONTROL VALVE W/ TAMPER SWITCH
SP	STANDPIPE
SPKR	SPRINKLER
SUB-CONTR.	SUB CONTRACTOR
SYS	SYSTEM
TB	THRUST BLOCK
TEMP	TEMPERATURE
TH	THERMOMETER
TS	TAMPER SWITCH
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS OTHERWISE NOTED
VEL	VELOCITY
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WIP	WALL INDICATOR POST

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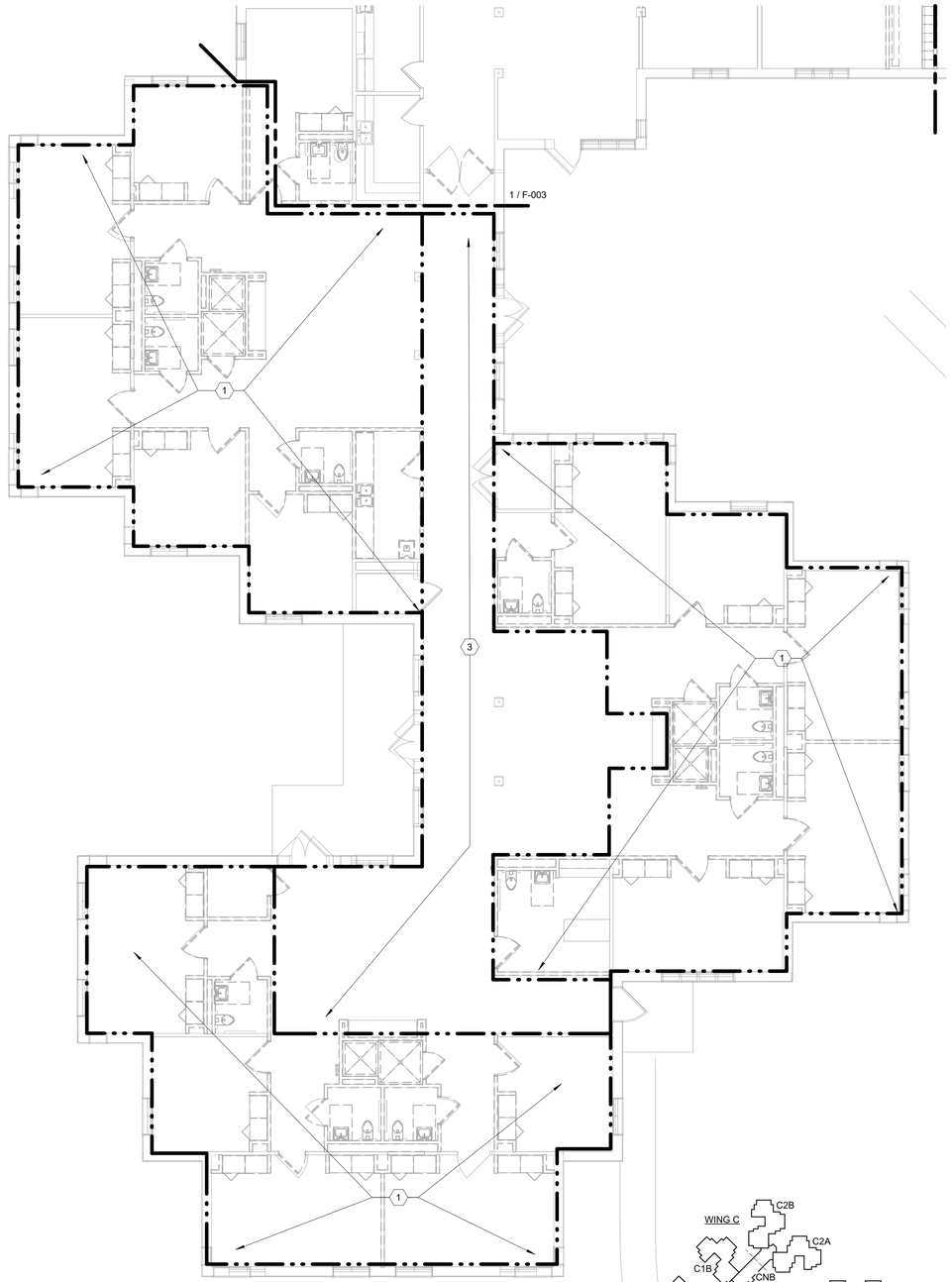
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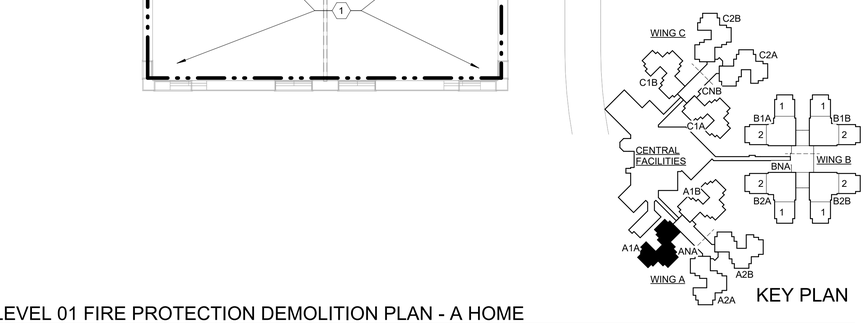
LEGENDS, SYMBOLS & ABBREVIATIONS

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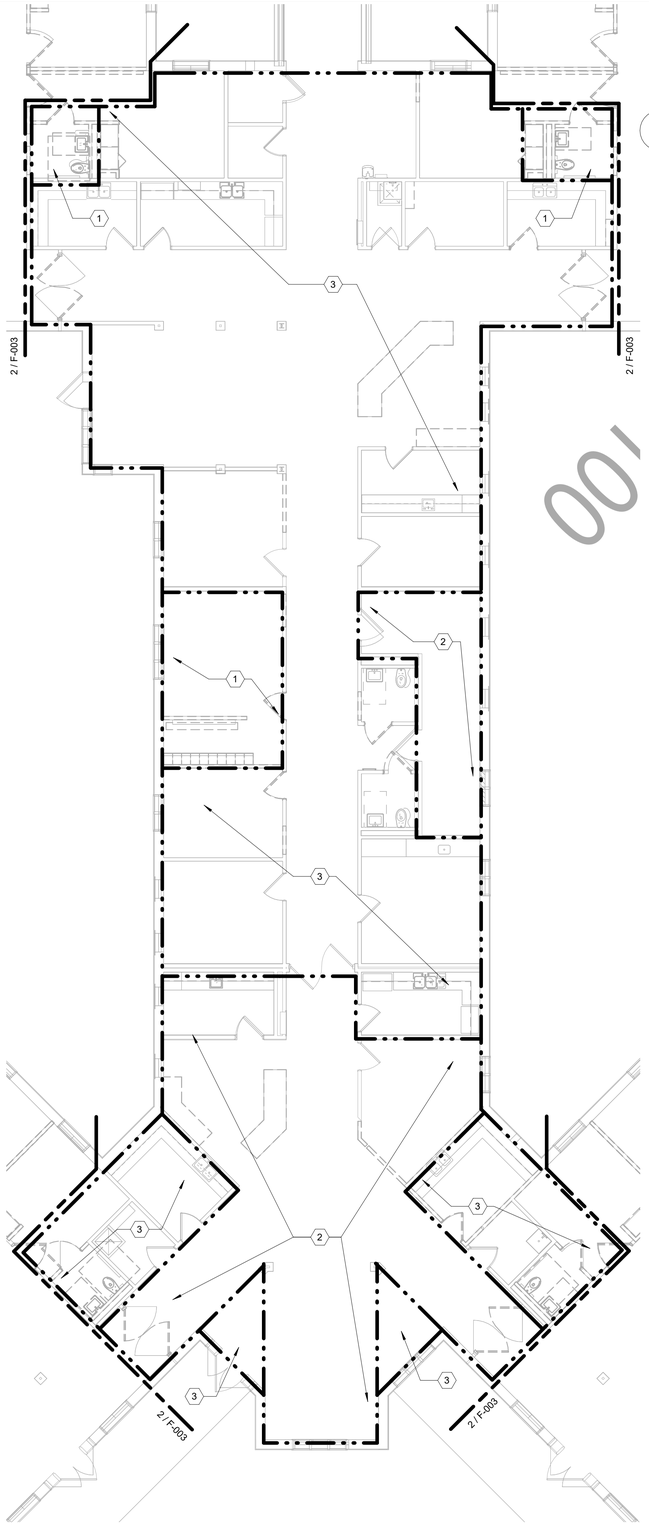
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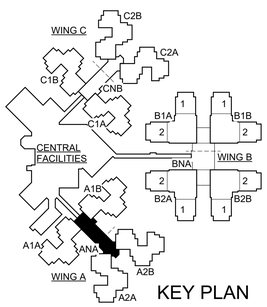




KEY PLAN

2 LEVEL 01 FIRE PROTECTION DEMOLITION PLAN - A HOME
1/8" = 1'-0"





KEY PLAN

1 LEVEL 01 FIRE PROTECTION DEMOLITION PLAN - A NC
1/8" = 1'-0"

3 KEYED NOTES:

1. DEMOLISH EXISTING SPRINKLER HEADS SERVING AREA SHOWN TO PREPARE FOR NEW ROOM LAYOUT THIS WORK SHALL BE COMPLETED WHILE MAINTAINING SERVICE TO THE REMAINDER OF THE FLOOR. PREPARE FOR NEW WORK.
2. DEMOLISH EXISTING SPRINKLER HEADS SERVING AREA SHOWN. THIS WORK SHALL BE COMPLETED WHILE MAINTAINING SERVICE TO THE REMAINDER OF THE FLOOR. PREPARE FOR NEW WORK. EXISTING CEILING TO REMAIN.
3. DEMOLISH EXISTING SPRINKLER HEADS SERVING AREA SHOWN TO PREPARE FOR NEW CEILING. THIS WORK SHALL BE COMPLETED WHILE MAINTAINING SERVICE TO THE REMAINDER OF THE FLOOR. PREPARE FOR NEW WORK.

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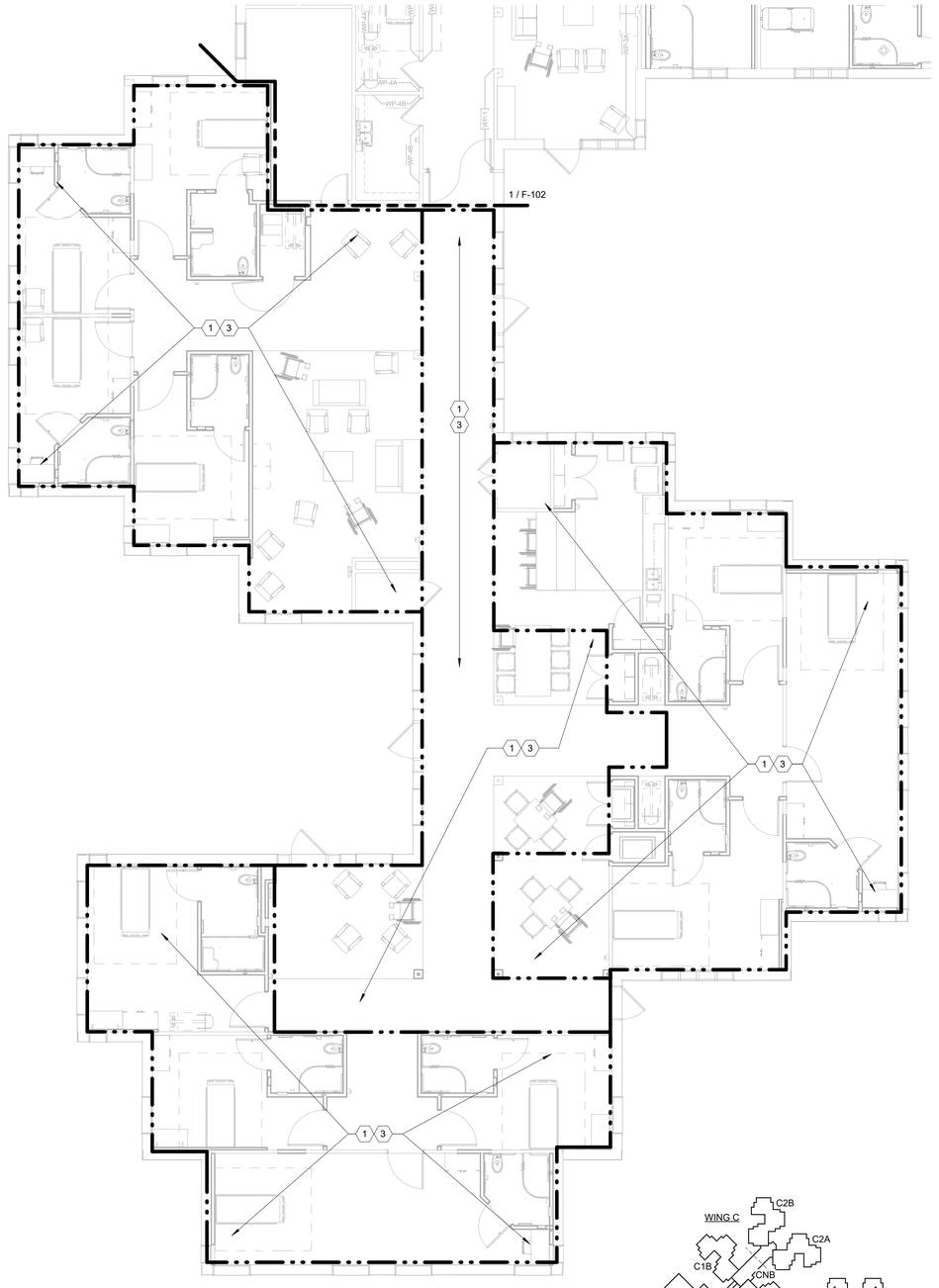
LEVEL 01 FIRE PROTECTION DEMOLITION PLAN - A WING

SHEET NUMBER:

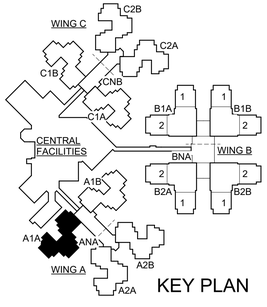
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51 OF 93 SHEETS
06/26/2025

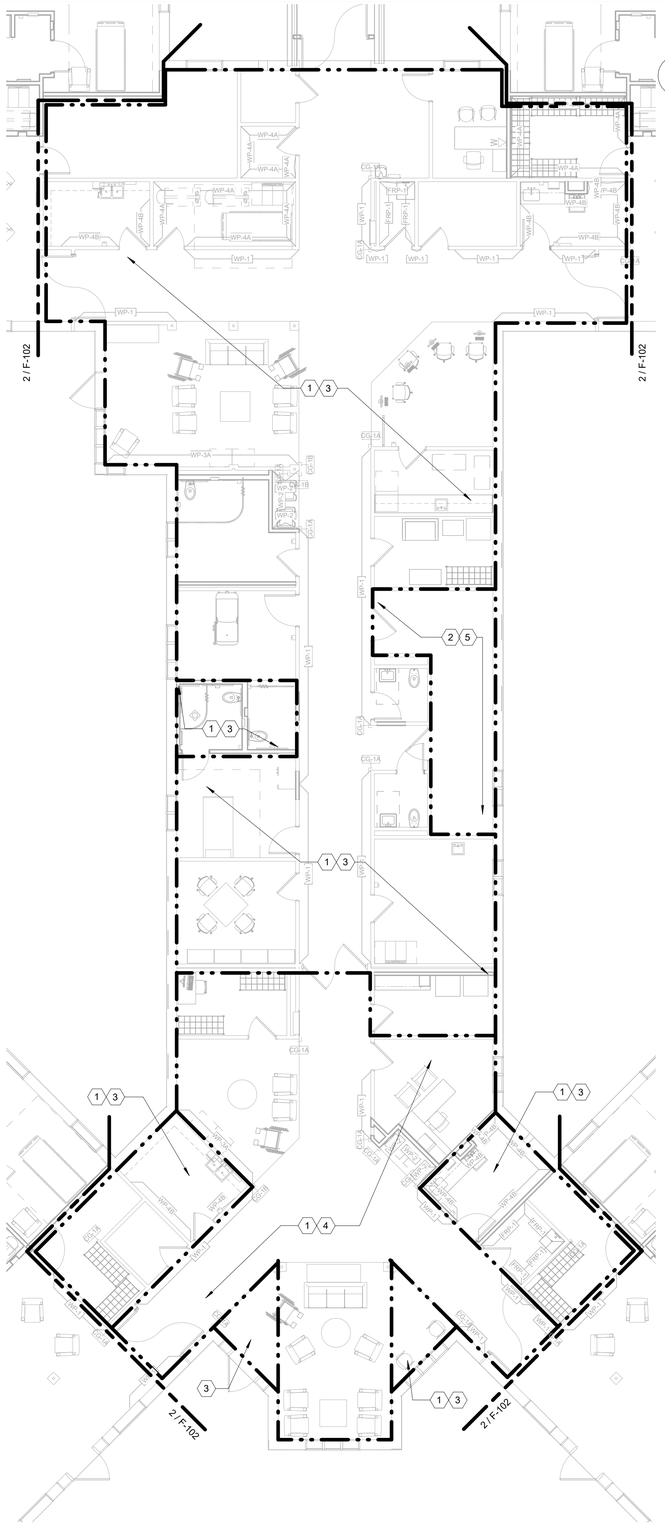
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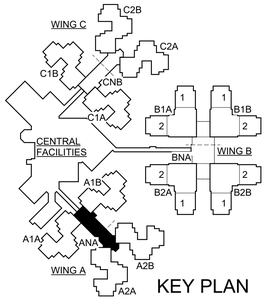
2 LEVEL 01 FIRE PROTECTION PLAN - A HOME
1/8" = 1'-0"



KEY PLAN



1 LEVEL 01 FIRE PROTECTION PLAN - A NC
1/8" = 1'-0"



KEY PLAN

3 KEYED NOTES:

1. LIGHT HAZARD: SPRINKLER DENSITY EQUAL TO 0.10 GPM/SF OVER THE MOST REMOTE 1500 SQ. FT. HOSE STREAM ALLOWANCE 250 GPM.
2. ORDINARY HAZARD: SPRINKLER DENSITY EQUAL TO 0.15 GPM/SF OVER THE MOST REMOTE 1500 SQ. FT. HOSE STREAM ALLOWANCE 250 GPM.
3. PROVIDE SEMI-RECESSED SPRINKLER HEADS IN THIS AREA FOR NEW ROOM LAOUT.
4. PROVIDE SEMI-RECESSED SPRINKLER HEADS IN THIS AREA TO FULLY UPDATE SPRINKLERS IN THIS WING. EXISTING CEILING TO REMAIN IN THIS AREA
5. PROVIDE UPRIGHT SPRINKLER HEADS IN THIS AREA TO FULLY UPDATE SPRINKLERS IN THIS WING.

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DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE:06/26/2025

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SHEET TITLE:

LEVEL 01 FIRE PROTECTION PLAN - A WING

SHEET NUMBER:

F-102

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3 DEMOLITION NOTES

1. DEMOLITION INFORMATION SHOWN ON THE DRAWINGS IS BASED ON SHOP DRAWINGS AND A REVIEW OF THE EXIST CONDITIONS.
2. PERFORM ALL WORK OF A DEMOLITION NATURE THAT MAY BE REQUIRED OR NECESSARY FOR A FULL AND COMPLETE EXECUTION OF THE WORK, WHETHER OR NOT SHOWN OR SPECIFIED. THE EXACT EXTENT OF DEMOLITION MAY NOT BE FULLY INDICATED BY THE DRAWINGS. DETERMINE THE NATURE AND EXTENT OF DEMOLITION THAT WILL BE NECESSARY BY COMPARING THE CONTRACT DOCUMENTS WITH THE FIELD CONDITIONS PRIOR TO BIDS.
3. MATERIALS AND EQUIPMENT TO BE SALVAGED OR REUSED SHALL BE IDENTIFIED BY THE OWNER. THESE ITEMS ARE THE PROPERTY OF THE OWNER AND SHALL BE RETURNED TO THE OWNERS DESIGNATED STORAGE AREA. WHERE REMOVAL IS REQUIRED THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARE TAKEN DURING THE HANDLING OF THESE ITEMS.
4. DEMOLISHED MATERIALS AND EQUIPMENT NOT BEING SALVAGED OR REUSED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE AND LEGALLY DISPOSED OF.
5. WHERE EXISTING FIXTURES ARE INDICATED TO BE DEMOLISHED: THIS SHALL INCLUDE ALL ASSOCIATED PIPING, CARRIERS, SUPPORTS, SLEEVES, HANGERS, FITTINGS, AND OTHER ACCESSORIES. PIPING SHALL BE REMOVED TO A LOCATION ABOVE THE CEILING OR BEHIND WALLS AND CAPPED. HOWEVER, NO INACTIVE BRANCH OF MORE THAN 2 FEET IN LENGTH CAN REMAIN ON ANY PIPE. CONTRACTOR SHALL REMOVE AS REQUIRED.
6. WHERE DEMOLITION OF FIXTURE AND REMOVAL OF PIPING OR OTHER ACCESSORY LEAVES AN OPENING IN THE FLOOR, WALL, OR CEILING, SAME SHALL BE PATCHED TO MATCH EXISTING ADJACENT FINISH.

4 GENERAL NOTES

1. THIS IS A GENERAL LIST OF ABBREVIATIONS AND SYMBOLS ON THIS SHEET. SOME ABBREVIATIONS AND SYMBOLS MAY NOT BE APPLICABLE TO THIS PROJECT.
2. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW EXACT ROUTING OR ALL REQUIRED OFFSETS, ACCESSORIES OR APPURTENANCES. CONTRACTOR SHALL PROVIDE AS REQUIRED TO INSTALL A COMPLETE AND COORDINATED JOB, INCLUDING ANY ADDITIONAL ITEMS REQUIRED TO MEET ACTUAL FIELD CONDITIONS AND ACTUAL EQUIPMENT SELECTED.
3. ALL VALVES SHALL BE READILY ACCESSIBLE FROM A SAFE HEIGHT ON A SIX FOOT LADDER AND TO BE CLEAR OF ALL OBSTRUCTIONS. OPERATION SHALL NOT BE ENCUMBERED BY ANY DEVICE OR EQUIPMENT.
4. ALL WATER PIPING SUPPLYING FIXTURES FROM WALLS OR CHASES SHALL BE PIPED FROM A FULL SIZED HORIZONTAL MANIFOLD, VERTICAL BRANCHES FROM THE MANIFOLD, INCLUDING AIR CHAMBERS, SHALL BE ONE PIPE SIZE LARGER THAN THE SIZE INDICATED UNDER "CONNECTIONS" OF THE FIXTURE SPECIFICATIONS. SEE PLANS FOR SUPPLY PIPE SIZING TO WALLS OR CHASES.
5. DO NOT SUPPORT PLUMBING PIPING FROM METAL DECK.
6. COORDINATE SCHEDULE FOR HOOK-UPS TO EXISTING SYSTEMS AND EQUIPMENT REMOVAL OR RELOCATIONS WITH THE OWNER AND PERFORM THIS WORK AT SUCH TIMES TO ENSURE THAT PERIODS OF SHUTDOWN WILL BE ACCEPTABLE TO THE OWNER.
7. VERIFY EXACT LOCATION OF CONNECTION POINTS (NEW TO EXISTING) IN FIELD PRIOR TO CONSTRUCTION.
8. COORDINATE INSTALLATION OF NEW PIPING WITH EXISTING BUILDING STRUCTURE, DUCTWORK, PIPING, ELECTRICAL CONDUIT, LIGHTING, ETC.
9. RELOCATE EXISTING PIPING IN EXISTING CEILING SPACES TO ACCOMMODATE ALL RENOVATIONS AND ADDITIONS.
10. REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR LOCATION OF WALL MOUNTED MECHANICAL ITEMS.
11. THIS PLAN IS APPROVED FOR WORK INDICATED PER THE APPLICABLE DRAWINGS AND SPECIFICATIONS ONLY. ALL OTHER AREAS SHOWN ARE FOR REFERENCE ONLY AND SHALL NOT BE CONSIDERED OR APPROVED TO BE IN ACCORDANCE WITH APPLICABLE CODES OR AUTHORITY HAVING JURISDICTION.
12. NOT ALL PIPING AND SIZES ARE SHOWN ON THE DRAWINGS FOR CLARITY. REFER TO STACK DIAGRAMS, WATER RISERS, AND MEDICAL GAS RISER FOR ADDITIONAL PIPING AND SIZES.
13. CUT, PATCH AND MATCH EXISTING CEILINGS, WALLS AND FLOORS AS REQUIRED PER INSTALLATION OF PLUMBING PIPING.
14. CAREFULLY REMOVE AND INSTALL EXISTING CEILING TILES AS REQUIRED PER INSTALLATION OF PLUMBING PIPING. DAMAGED CEILING TILES TO BE REPLACED BY PLUMBING CONTRACTOR.
15. ALL EXISTING BUILDING UTILITIES HAVE BEEN DOCUMENTED FROM AVAILABLE DRAWINGS, RECORDS AND FIELD SURVEY AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION AND SIZE OF ALL EXISTING UTILITIES BEFORE BEGINNING WORK.
16. THE SPACE ABOVE THE CEILING IS LIMITED AND THE INSTALLATION OF WORK WILL BE TIGHT. DUE TO THIS, IT IS IMPORTANT THAT THE TRADE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THEIR WORK WITH THE CEILING SYSTEM HEIGHT AND CONSTRUCTION, THE STRUCTURAL SYSTEM, THE LIGHTING FIXTURES, THE SPRINKLER HEADS / MAINS AND THE PLUMBING PIPES. ROUTE PIPING AS HIGH AS POSSIBLE. MAINTAIN PROPER SERVICE ACCESS CLEARANCE. ACCURATE SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL, PRIOR TO FIELD INSTALLATION.
17. DO NOT INSTALL ANY NEW WORK DIRECTLY ABOVE ANY ELECTRICAL PANELS AND TRANSFORMERS.
18. FOR EXACT LOCATION OF EQUIPMENT AND FIXTURES, SEE ARCHITECTURAL DRAWINGS.
19. NO EQUIPMENT OR DEVICE REQUIRING REGULAR ACCESS OR MAINTENANCE SHALL BE INSTALLED IN AN INACCESSIBLE CEILING CAVITY. LOCATE SUCH ITEMS ABOVE ACOUSTIC TILE CEILINGS WHEREVER POSSIBLE. IF ANY SUCH ITEMS ARE REQUIRED TO BE INSTALLED ABOVE DRYWALL CEILINGS, PROVIDE AN ACCESS PANEL OR PANELS SIZED AND LOCATED TO PROVIDE SUFFICIENT ACCESS FOR EQUIPMENT SERVICE. SUBMIT LAYOUT OF ALL REQUIRED ACCESS PANELS FOR ARCHITECTS REVIEW AND APPROVAL PRIOR TO THE ONSET OF INSTALLATION.

2 SYMBOLS

- COLD WATER (CW)
- COLD WATER (CW) EXISTING
- COLD WATER (CW) DEMO
- HOT WATER (HW)
- HOT WATER (HW) EXISTING
- HOT WATER (HW) DEMO
- HOT WATER RETURN (HWR)
- HOT WATER RETURN (HWR) EXISTING
- HOT WATER RETURN (HWR) DEMO
- VENT (V)
- EX. V — VENT (V) EXISTING
- VENT (V) DEMO
- W — WASTE (W)
- EX. W — WASTE (W) EXISTING
- WASTE (W) DEMO
- ST — STORM (ST)
- EX. ST — STORM (ST) EXISTING
- STORM (ST) DEMO
- IW — INDIRECT WASTE (IW)
- EX. IW — INDIRECT WASTE (IW) EXISTING
- INDIRECT WASTE (IW) DEMO
- G — NATURAL GAS (G)
- EX. G — NATURAL GAS (G) EXISTING
- NATURAL GAS (G) DEMO
- UNDERGROUND VENT
- UNDERGROUND VENT EXISTING
- UNDERGROUND VENT DEMO
- UNDERGROUND SANITARY OR STORM
- UNDERGROUND SANITARY OR STORM EXISTING
- UNDERGROUND SANITARY OR STORM DEMO
- AREA MATCHLINE
- (E)XXX — EXISTING EQUIPMENT TAG

- PIPE GUIDE
- DIRECTION OF FLOW
- PIPE ANCHOR
- UNION
- VALVE
- BALL VALVE
- ANGLE VALVE
- OS&Y VALVE
- CHECK VALVE (SHOWN W/FLOW)
- BALANCING VALVE
- CAPPED PIPING
- CONTROL VALVE
- SOLENOID VALVE
- GAS PRESSURE REGULATOR (GPR)
- PRESSURE REDUCING VALVE (PRV)
- SAFETY/RELIEF VALVE
- PRESSURE-TEMPERATURE RELIEF VALVE (PRV)
- SLEEVE
- HB — HOSE BIB (HB)
- WH — NON-FREEZE WALL HYDRANT (WH)
- ROOF DRAIN (RD)
- FLOOR DRAIN (FD)
- FLOOR DRAIN (FD)
- TRENCH DRAIN (TD)
- CO — CLEANOUT (CO)
- FCO — FLOOR CLEANOUT (FCO)
- GCO — GROUND CLEANOUT (GCO)
- P-TRAP
- STRAINER
- "A" — WATER HAMMER ARRESTER (LETTER DESIGNATES SIZE)
- BACKFLOW PREVENTER (BFP)
- BOTTOM DROP
- ELBOW DOWN
- ELBOW UP
- RISE OR DROP
- POINT OF CONNECTION (NEW TO EXISTING)
- POINT OF CONNECTION (NEW TO EXISTING)
- WR 1 — RISER INDICATOR / DETAIL INDICATOR TOP INDICATES TYPE OF RISER / DETAIL NO. BOTTOM INDICATES RISER NUMBER / DWG NO.
- 1 / P101 — SECTION INDICATORTOP INDICATES SECTION NUMBER BOTTOM INDICATES DRAWING NUMBER
- BASIN
- EXPANSION JOINT
- FLEXIBLE CONNECTION
- PUMP
- M — WATER METER
- WASHING MACHINE SUPPLY AND DRAIN BOX
- KEYED NOTE TAG
- XX — NEW EQUIPMENT TAG

1 ABBREVIATIONS

ABV	ABOVE	C	INSULATING COUPLING
AC	AIR COMPRESSOR	ID	INDIRECT DRAIN
AP	ACCESS PANEL	IM	ICE MACHINE
AD	AREA DRAIN	INSUL	INSULATION
AFF	ABOVE FINISHED FLOOR	IN	INCHES
AFG	ABOVE FINISHED GRADE	INV. ELEV.	INVERT ELEVATION
AHJ	AUTHORITY HAVING JURISDICTION	IW	INDIRECT WASTE
AHU	AIR HANDLING UNIT		
ARCH	ARCHITECTURE	L	LAVATORY
ASSY	ASSEMBLY	LBS	POUNDS
ATM	ATMOSPHERE	LT	LAUNDRY TUB
AUTO	AUTOMATIC		
AUX	AUXILIARY	M	METER
		MAU	MAKEUP AIR UNIT
B/S	BELOW SLAB	MAX	MAXIMUM
BFP	BACKFLOW PREVENTER	MBTU	1,000 BRITISH THERMAL UNITS
BFV	BUTTERFLY VALVE	MECH	MECHANICAL
BHP	BRAKE HORSEPOWER	MFR	MANUFACTURER
BLDG	BUILDING	MH	MANHOLE
BOB	BOTTOM OF BEAM	MIN	MINIMUM OR MINUTES
BOP	BOTTOM OF PIPE	MS	MOP SINK
BPW	BED PAN WASHER	MTD	MOUNTED
BSMT	BASEMENT		
BT	BATH TUB	NA	NOT APPLICABLE
BTU	BRITISH THERMAL UNIT	N&C	NIPPLE AND CAP
BTUH	BRITISH THERMAL UNIT PER HOUR	N.C.	NORMALLY CLOSED
BV	BALL VALVE	NIC	NOT IN CONTRACT
BWV	BACKWATER VALVE	NO.	NUMBER
		N.O.	NORMALLY OPEN
CALC	CALCULATE	NTS	NOT TO SCALE
CAP	CAPACITY		
CFH	CUBIC FEET PER HOUR	OD	OUTSIDE DIAMETER
CFM	CUBIC FEET PER MINUTE	OFD	OVERFLOW DRAIN
CI	CAST IRON	OS&Y	OUTSIDE SCREW AND YOKE
CLG	CEILING		
CLK	CLINICAL SINK	PBV	PRESSURE BALANCING VALVE
CO	CLEANOUT	PG	PRESSURE GAUGE
CONN.	CONNECTION	PIV	POST INDICATOR VALVE
CONT.	CONTINUED	PLBG	PLUMBING
CONTR	CONTRACTOR	POC	POINT OF CONNECTION
CV	CHECK VALVE	PPM	PARTS PER MILLION
CW	COLD WATER	PRESS	PRESSURE
		PRV	PRESSURE REDUCING VALVE
DCV	DOUBLE CHECK VALVE	PSI	POUNDS PER SQUARE INCH
DCW	DOMESTIC COLD WATER	PSIG	POUNDS PER SQUARE INCH GAUGE
DDCV	DOUBLE DETECTOR CHECK VALVE		
DF	DRINKING FOUNTAIN	QTY	QUANTITY
DHW	DOMESTIC HOT WATER		
DIA	DIAMETER	RD	ROOF DRAIN
DIM	DIMENSION	RN	RISER NIPPLE
DN	DOWN	RP	RECIRCULATING PUMP
DR	DRAIN	RPM	REVOLUTIONS PER MINUTE
DT	DRAIN TILE	RTU	ROOF TOP UNIT
DV	DRAIN VALVE		
DW	DISHWASHER	S	SANITARY (RISER)
DWG	DRAWING	SAN	SANITARY SEWER (EXTERIOR)
		S.F.	SQUARE FOOT
EA	EACH	SH	SHOWER
EEW	EMERGENCY EYE WASH	SK	SINK
EF	EXISTING FIXTURE TO REMAIN	SL	SLOPE
EFF	EFFICIENCY	SMP	SUMP PUMP
EJ	EXPANSION JOINT	SP	STANDPIPE
ELEC	ELECTRICAL	SS	SERVICE SINK
ELEV.	ELEVATION	SSD	SUB SOIL DRAINAGE
EQUIP	EQUIPMENT	ST	STORM SEWER (OR STORM RISER)
ET	EXPANSION TANK	STK	STACK
EWC	ELECTRIC WATER COOLER	SUB-CONTR.	SUB CONTRACTOR
EX	EXISTING	SYS	SYSTEM
EXP	EXPANSION		
		T&P	TEMPERATURE AND PRESSURE
F	FAHRENHEIT	TEMP	TEMPERATURE
FA	FIRE ALARM	TH	THERMOMETER
FACP	FIRE ALARM CONTROL PANEL	TMV	THERMOSTATIC MIXING VALVE
FBO	FURNISHED BY OTHERS	TW	TEMPERED WATER
FCO	FLOOR CLEANOUT	TYP	TYPICAL
FD1,2,3...	FLOOR DRAIN		
FF	FINISHED FLOOR	UG	UNDERGROUND
FIXT	FIXTURE	UR	URINAL
FLR	FLOOR		
FPM	FEET PER MINUTE	V	VENT
FPS	FEET PER SECOND	VB	VACUUM BREAKER
FS	FLOW SWITCH OR FLOOR SINK	VIF	VERIFY IN FIELD
FT	FOOT/FEET	VTR	VENT THRU ROOF
FV	FLUSH VALVE		
		W	WASTE (INTERIOR)
G	NATURAL GAS	W/	WITH
GPH	GALLONS PER HOUR	WC	WATER CLOSET
GPM	GALLONS PER MINUTE	WCO	WALL CLEANOUT
		WH	WALL HYDRANT
HB	HOSE BIBB	WHA	WATER HAMMER ARRESTOR
HD	HEAD OR HUB DRAIN	WM	WATER METER
HW	HOT WATER	W/O	WITHOUT
HWR	HOT WATER RETURN	WR	WATER RISER
HYD	HYDRAULIC		
Hz	HERTZ	YH	YARD HYDRANT
		YCO	YARD CLEANOUT
		ZVB	ZONE VALVE BOX

MECHANICAL AND PLUMBING EQUIPMENT COMPONENTS EARTHQUAKE LOAD RESISTANCE

OCCUPANCY CATEGORY (III) — SEISMIC DESIGN CATEGORY (D)

LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
					ON CONSTRUCTION DOCUMENTS	SUBSEQUENT SUBMITTAL		
	NOT PROVIDED FOR PROJECT	PROVIDED FOR PROJECT	NOT PROVIDED FOR PROJECT	PROVIDED FOR PROJECT	DRAWING NO. OR SPEC. SECTION	SHOP DRAWINGS	SEPARATE PERMIT & PLANS	
OTHER EQUIPMENT & SYSTEM COMPONENTS NEEDED FOR CONTINUED OPERATION OF OCCUPANCY CATEGORY IV FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION								N/A, NO OCCUPANCY CATEGORY IV IN THE PROJECT
Ip = 1.0 PIPING < 3" PIPING > 3"	X	X	X	X		X		4 1, 2, 3, 4

NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO SUBMITTAL TO THE PLAN REVIEWER.
2. COMPONENTS SHALL BE POSITIVELY ATTACHED WITH MECHANICAL FASTENERS.
3. SEISMIC DESIGN SHALL NOT BE REQUIRED IF ASCE 7-16, SECTION 13.7.3 IS COMPLIED WITH.
4. ASCE 7-16, SECTION 13.6.7.3.5.c, EXCEPTION FOR PIPING 3 INCH OR LESS (SEISMIC DESIGN CATEGORY D).

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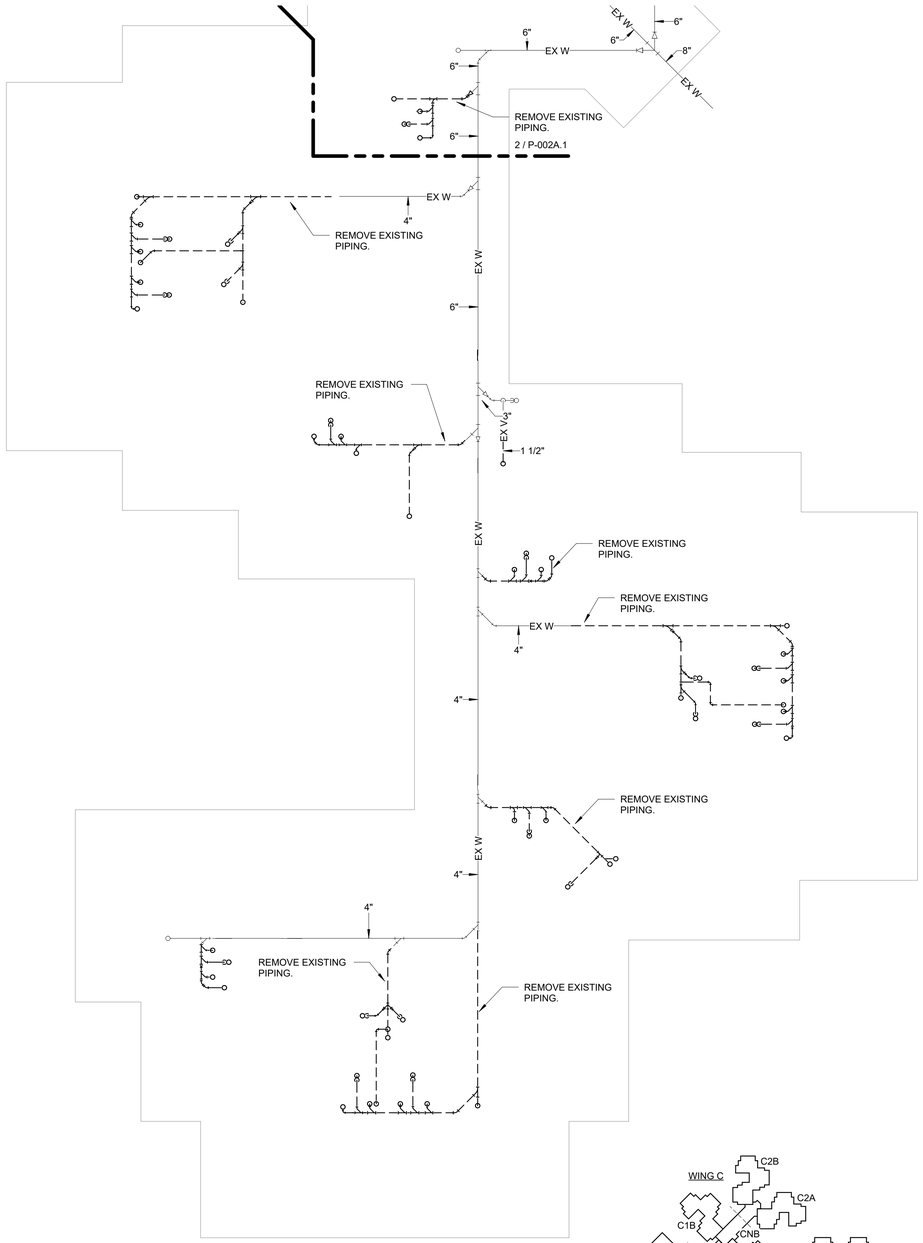
LEGENDS, SYMBOLS & ABBREVIATIONS

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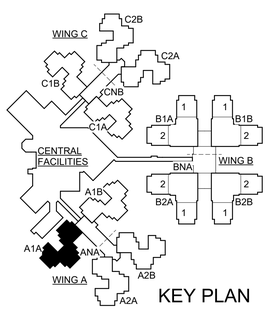
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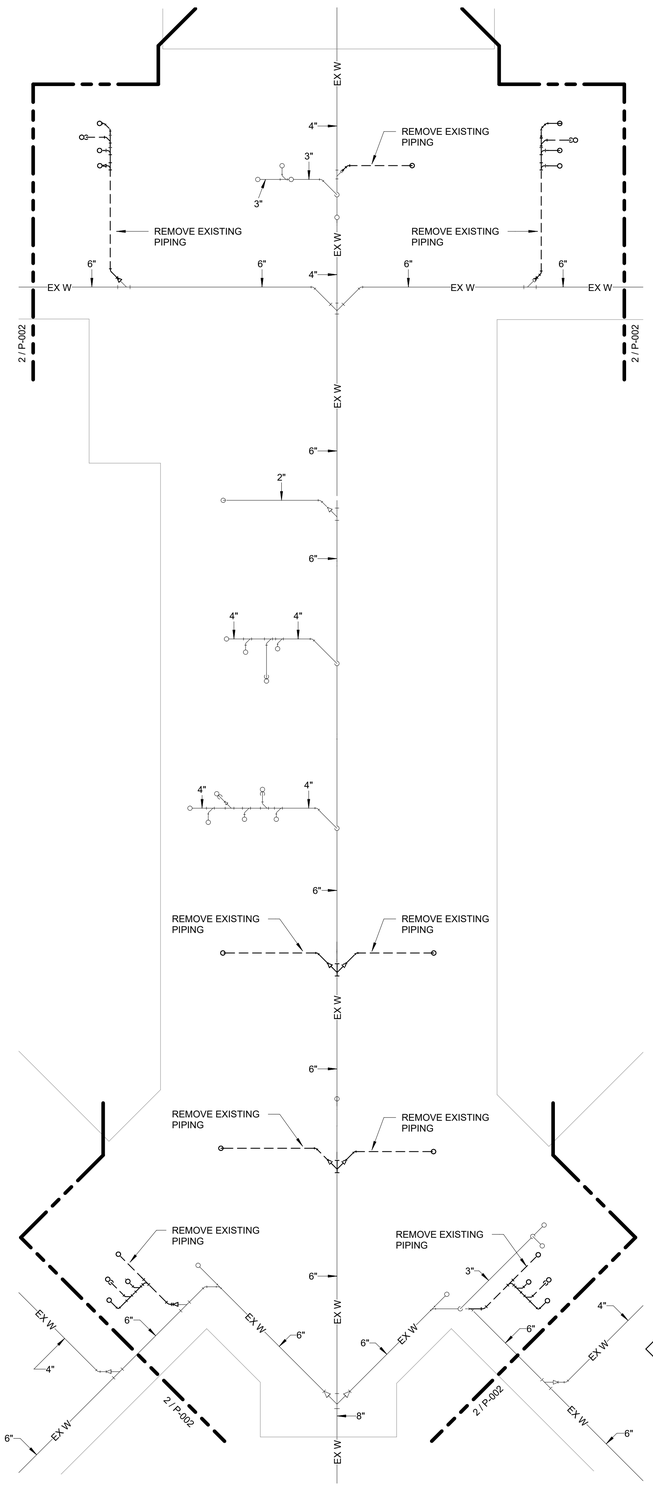
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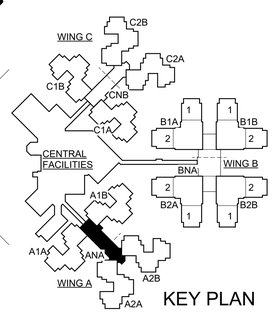
2 UNDERFLOOR DEMOLITION PLAN - A HOME
1/8" = 1'-0"



KEY PLAN



1 UNDERFLOOR DEMOLITION PLAN - A NC
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KEY PLAN

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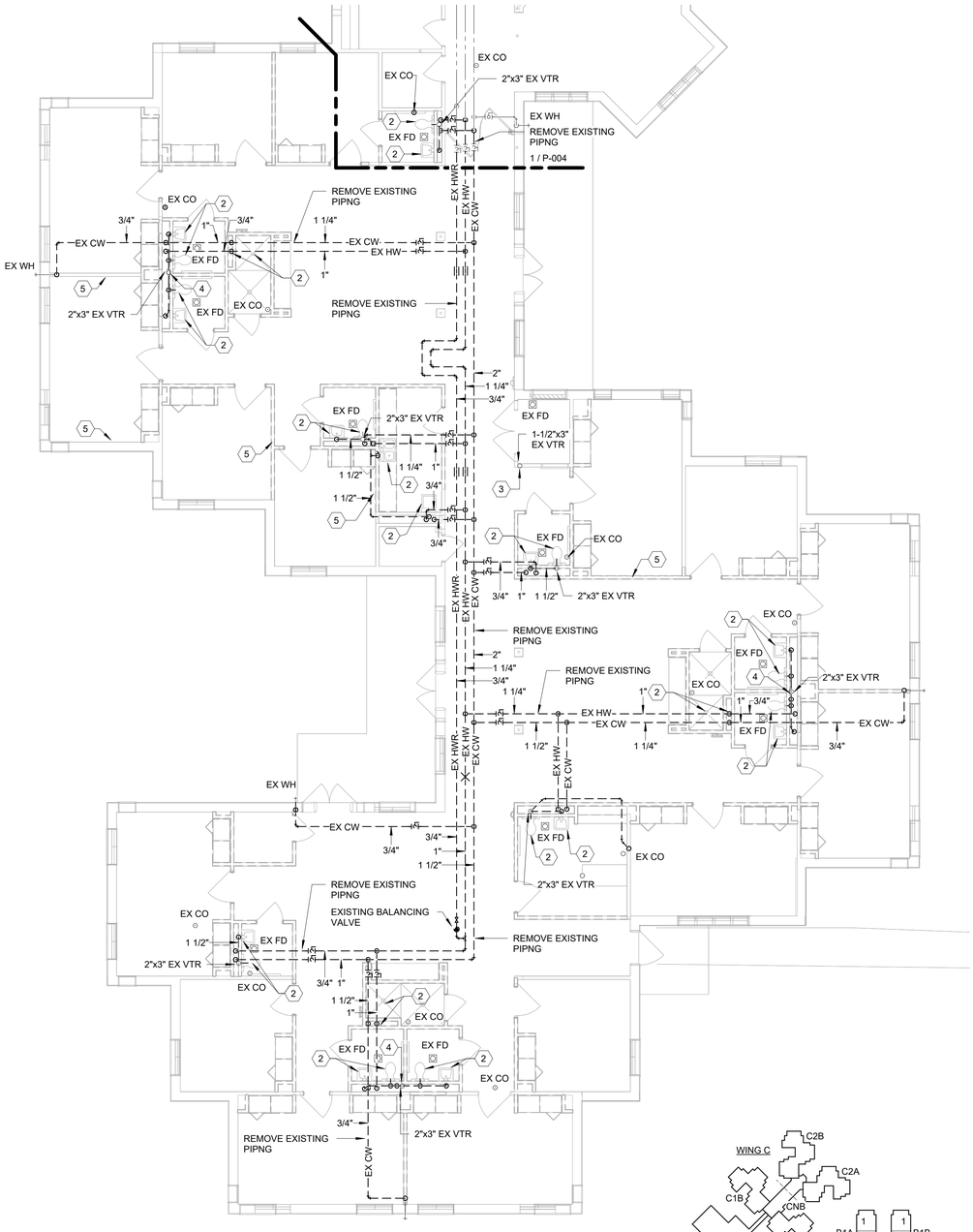
UNDERFLOOR PLUMBING DEMOLTION PLAN - A WING

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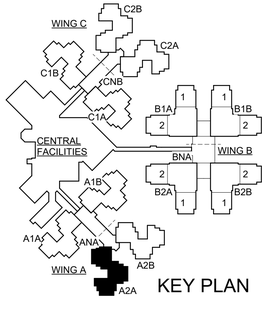
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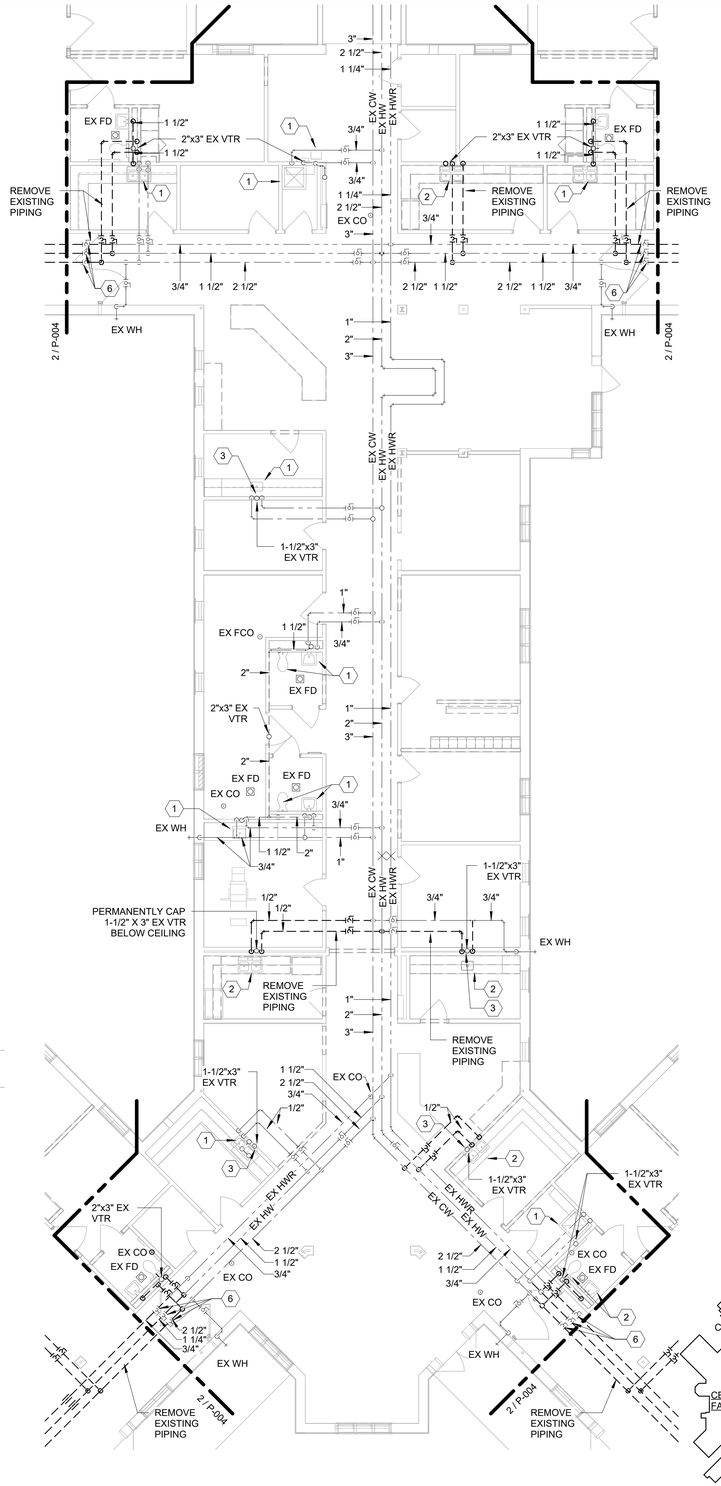
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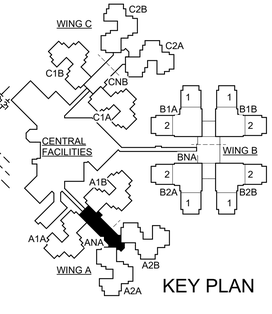
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3 KEYED NOTES:

1. EXISTING FIXTURE TO REMAIN.
2. DEMOLISH EXISTING FIXTURE AND ASSOCIATED CW, HW, W, AND V PIPING. SAWCUT SLAB AND REMOVE CAST IRON BODY OF TOILET CARRIER THAT IS CAST INTO EXISTING SLAB. BACKFILL WITH CONCRETE TO MATCH EXISTING.
3. DEMO EXISTING 1-1/2" PIPE CONNECTION TO EXISTING 3" VTR. CAP FOR RECONNECTION UNDER NEW WORK.
4. DEMO EXISTING 2" PIPE CONNECTION TO EXISTING 3" VTR. CAP FOR RECONNECTION UNDER NEW WORK.
5. DEMOLISH EXISTING (2) MEDICAL GAS OUTLETS. VALVE AND CAP PIPING BEHIND WALL. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION ON LOCATIONS.
6. EXISTING BALL VALVES SERVING WINGS NO LONGER SHUT OFF PROPERLY. DEMOLISH EXISTING BALL VALVES AND PREPARE FOR INSTALLATION OF NEW BALL VALVES AS SHOWN IN NEW WORK.

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DEPARTMENT OF
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ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

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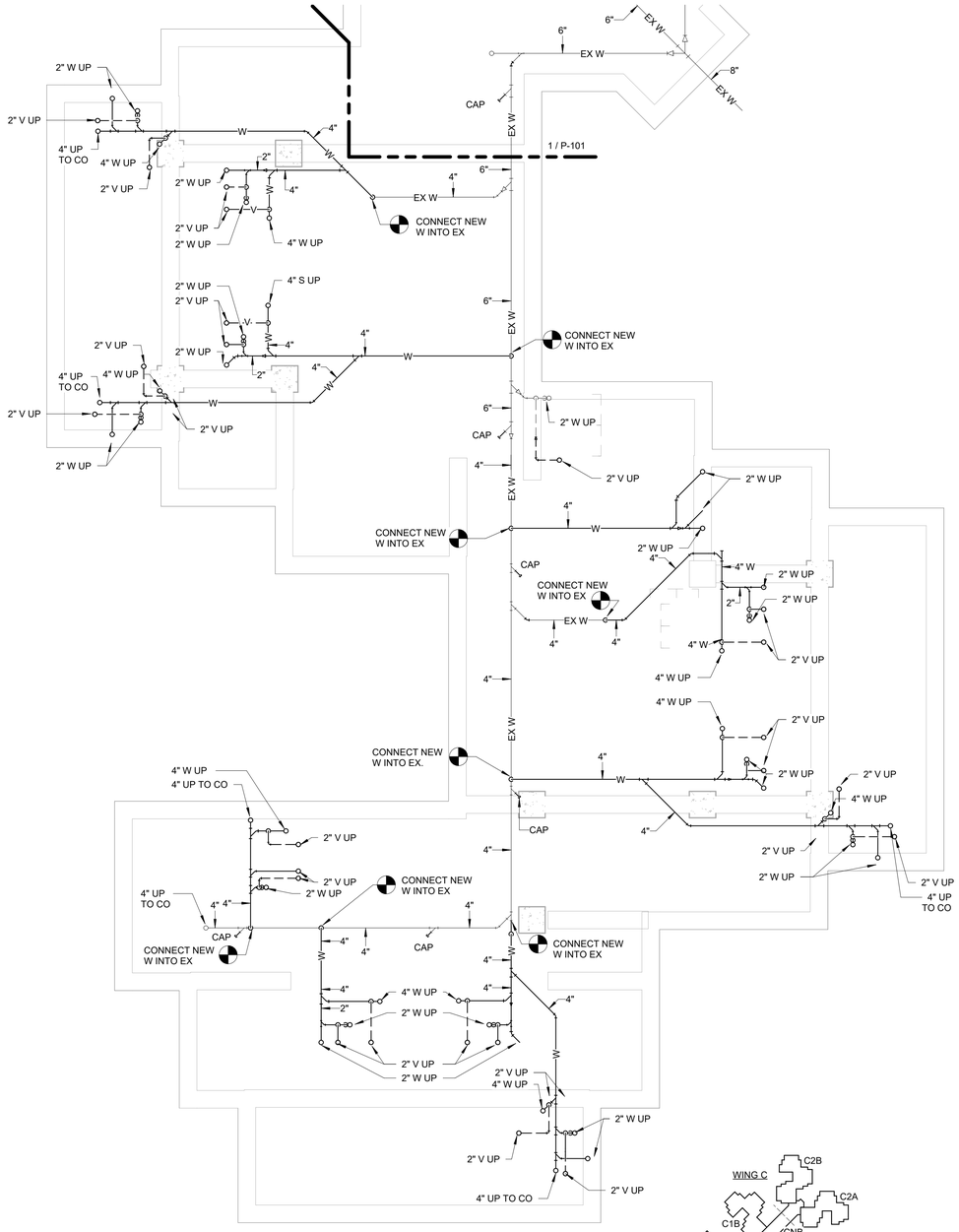
LEVEL 01 PLUMBING DEMOLITION PLAN - A WING

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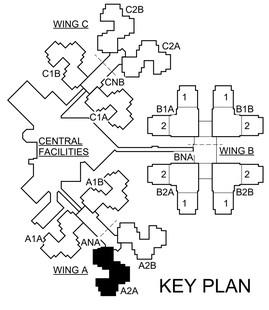
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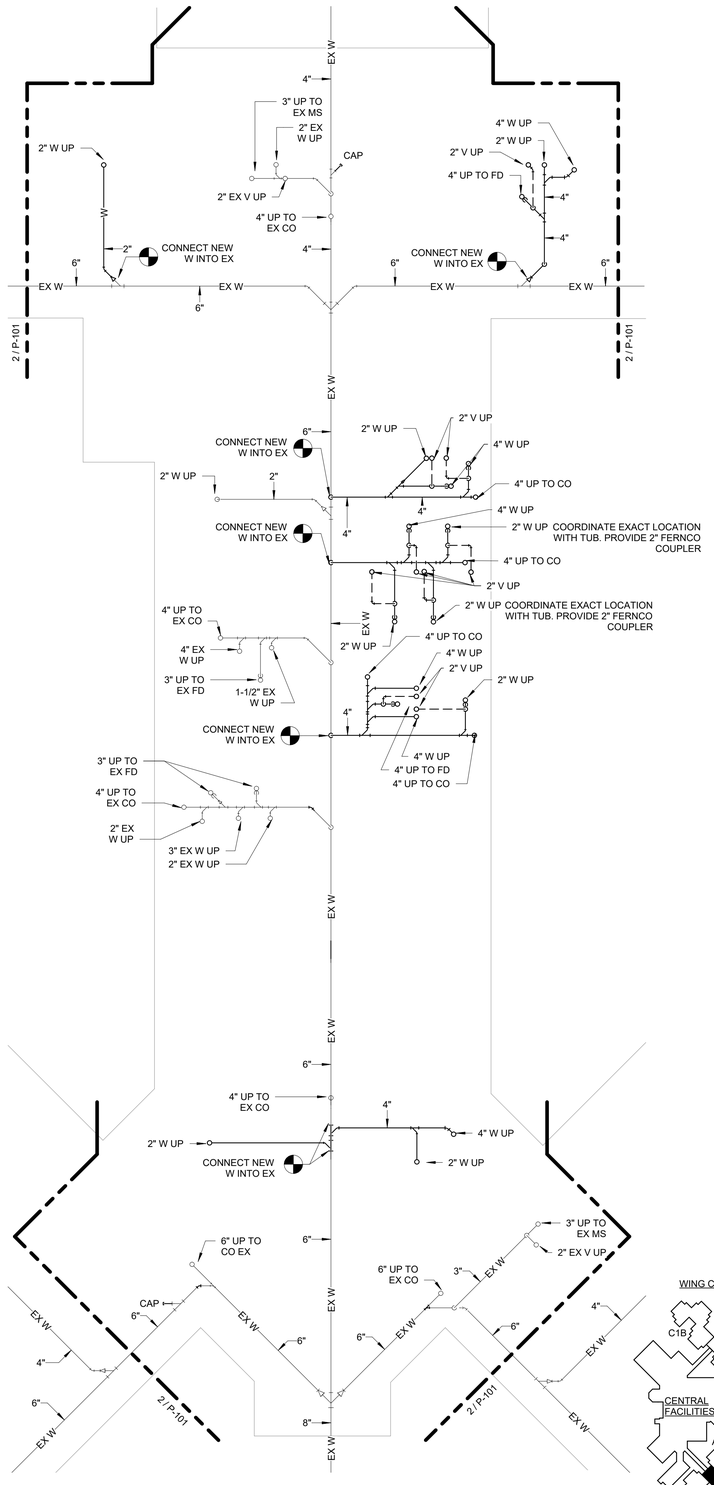
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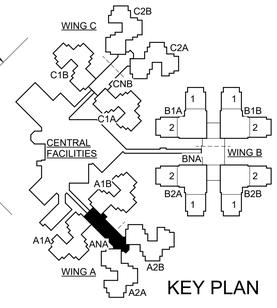
2 UNDERFLOOR PLAN - A HOME
1/8" = 1'-0"



KEY PLAN



1 UNDERFLOOR PLAN - A NC
1/8" = 1'-0"



KEY PLAN

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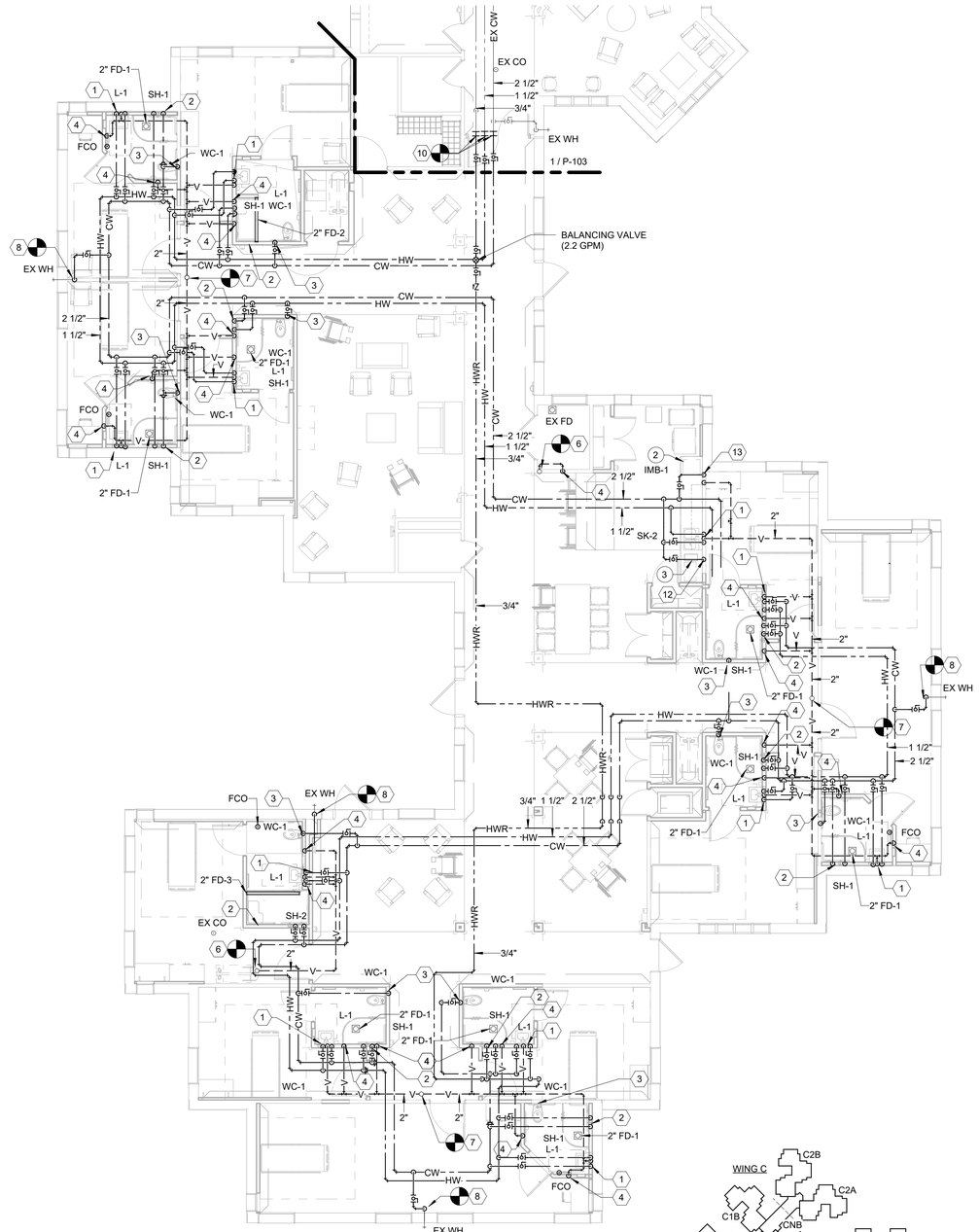
UNDERFLOOR PLUMBING PLAN - A WING

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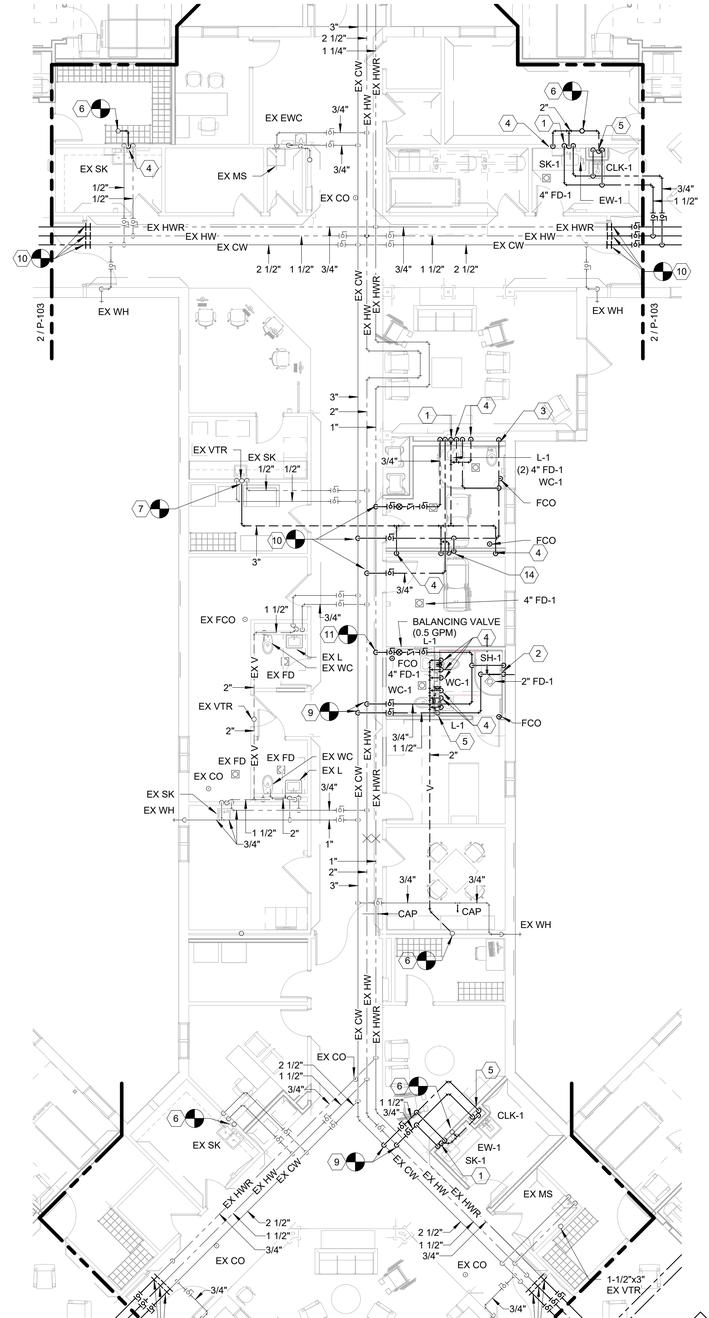
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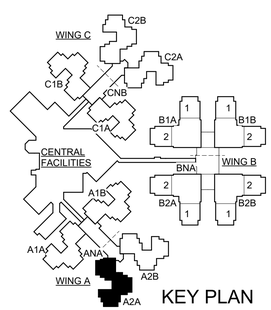
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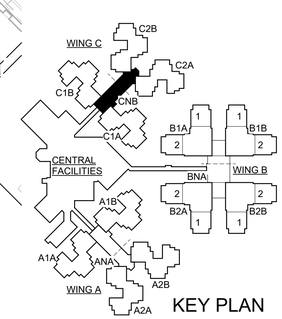


2 LEVEL 01 PLAN - A HOME
1/8" = 1'-0"



1 LEVEL 01 PLAN - A NC
1/8" = 1'-0"





3 KEYED NOTES:

1. 1/2" CW DN, 1/2" HW DN, 2" V DN, 2" W DN
2. 1/2" CW DN, 1/2" HW DN
3. 1-1/4" CW DN
4. 2" V DN
5. 1-1/2" CW DN, 3/4" HW DN, 2" V DN, 4" W DN.
6. NEW 2" V CONNECTION INTO EX 3" VTR.
7. NEW 3" V CONNECTION INTO EX 3" VTR.
8. NEW CW CONNECTION INTO EX.
9. NEW CW AND HW CONNECTION INTO EX.
10. NEW CW, HW, AND HWR CONNECTION INTO EX.
11. NEW HWR CONNECTION INTO EX.
12. 1/2" CW DN
13. 1/2" CW DN, 2" V DN, 2" W DN
14. 3/4" CW DN, 3/4" HW DN TO TUB PROVIDED BY OTHERS. PROVIDE (2) 16" AND (2) 26" FALCON STAINLESS MEGAFLOW FEXIBLE FIP TO FIP HOSES VERIFY ALL WATER AND WASTE CONNECTIONS PRIOR TO INSTALLATION.

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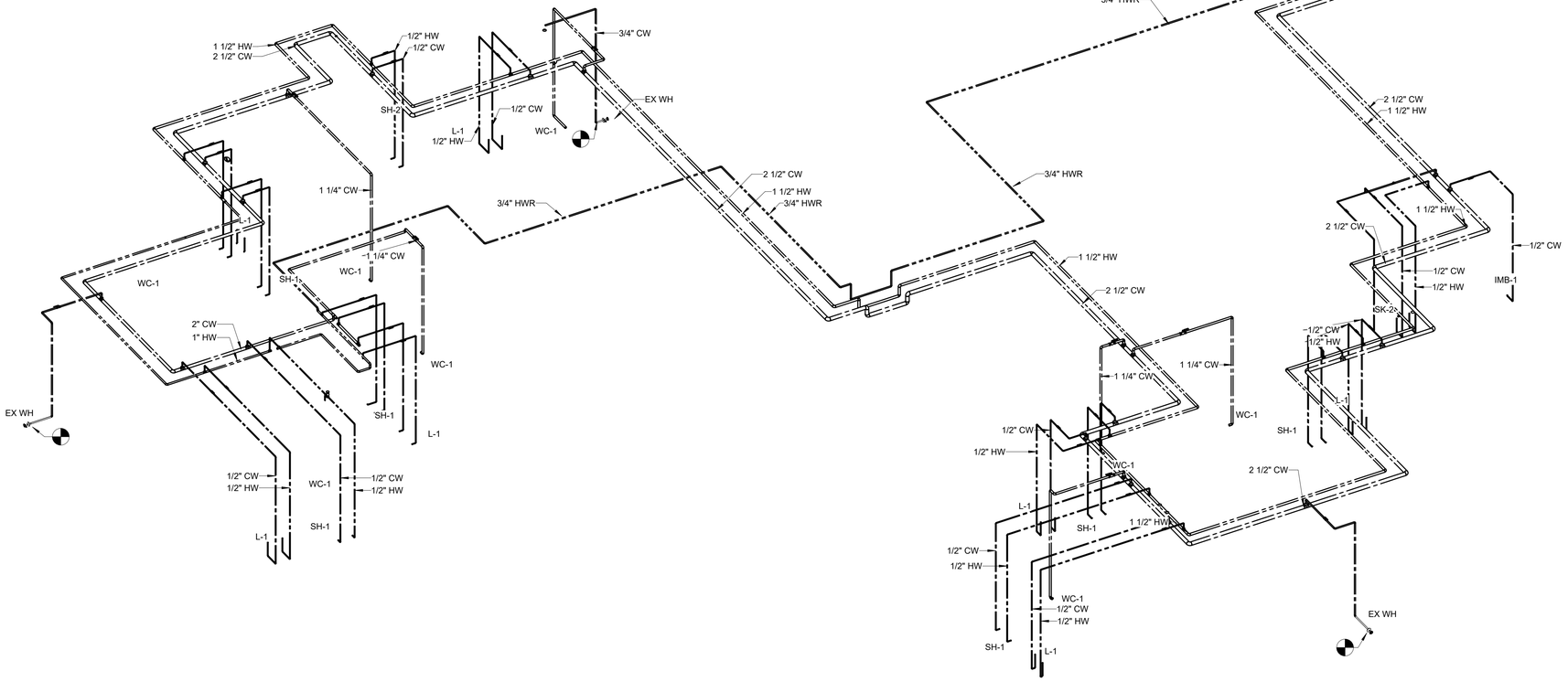
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GENERAL NOTE: PROVIDE WATER HAMMER ARRESTORS AT EACH FIXTURE IN ACCORDANCE WITH STANDARD PDI-WH201.



1 DOMESTIC WATER ISOMETRIC DIAGRAM - A HOME

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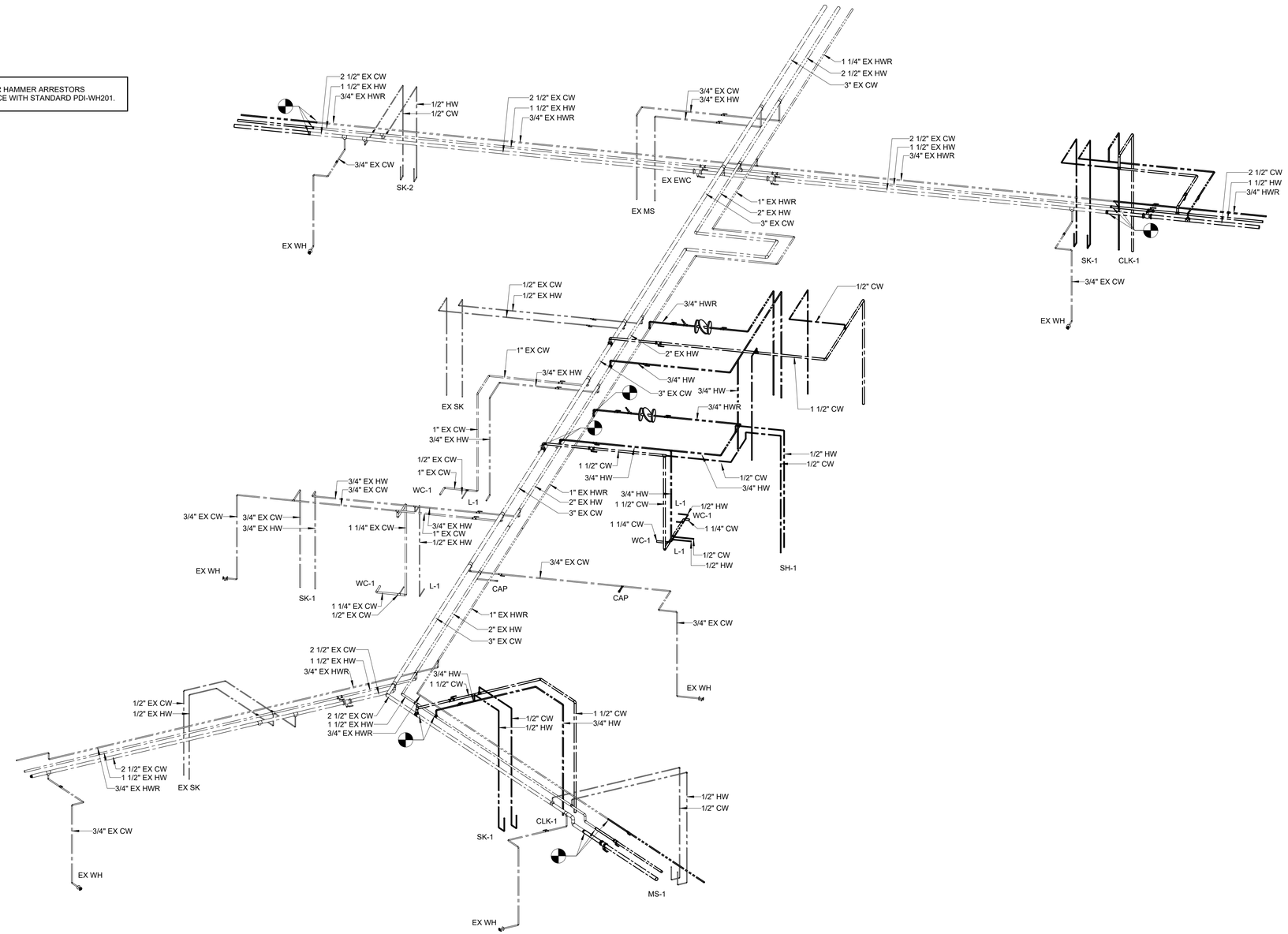
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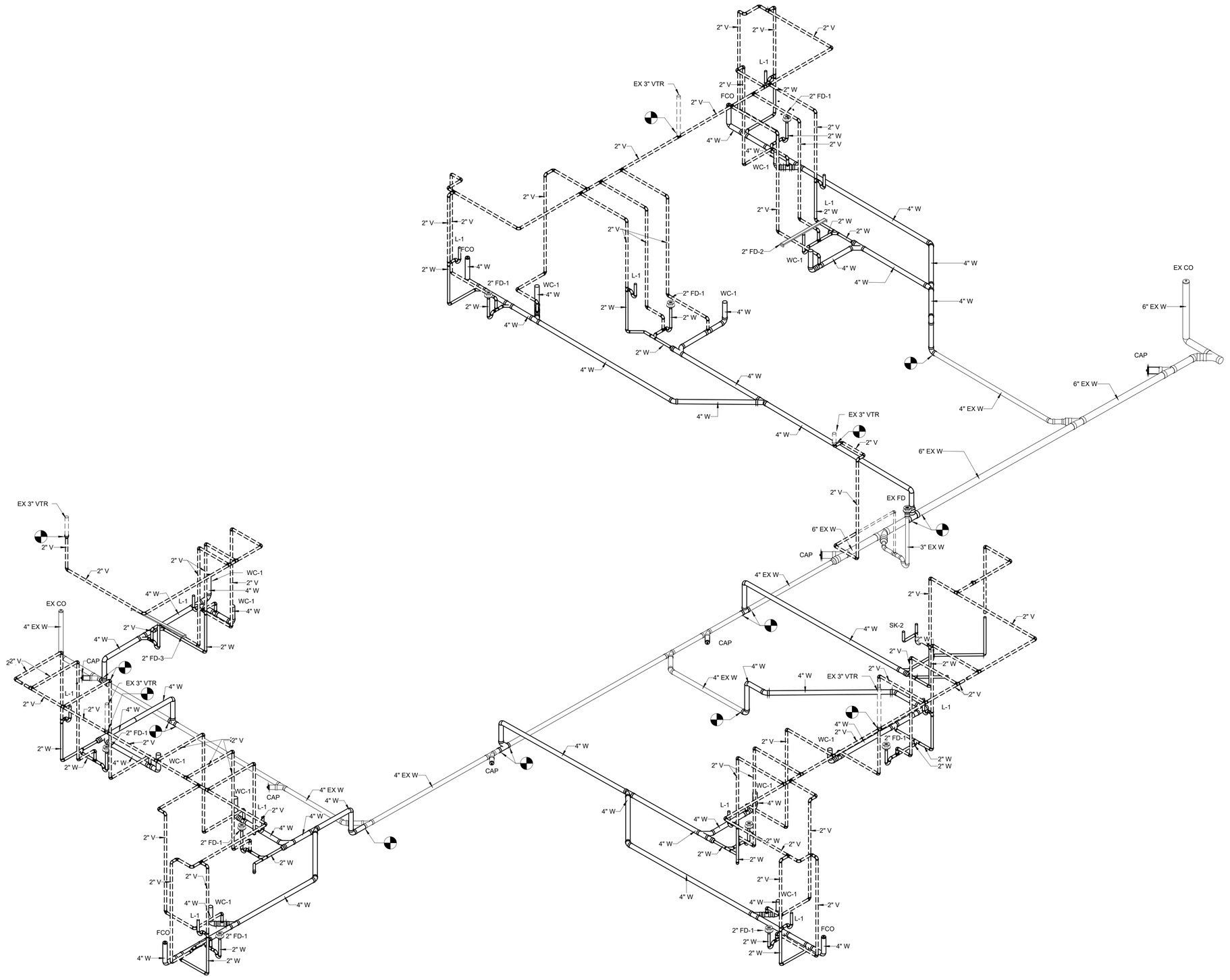
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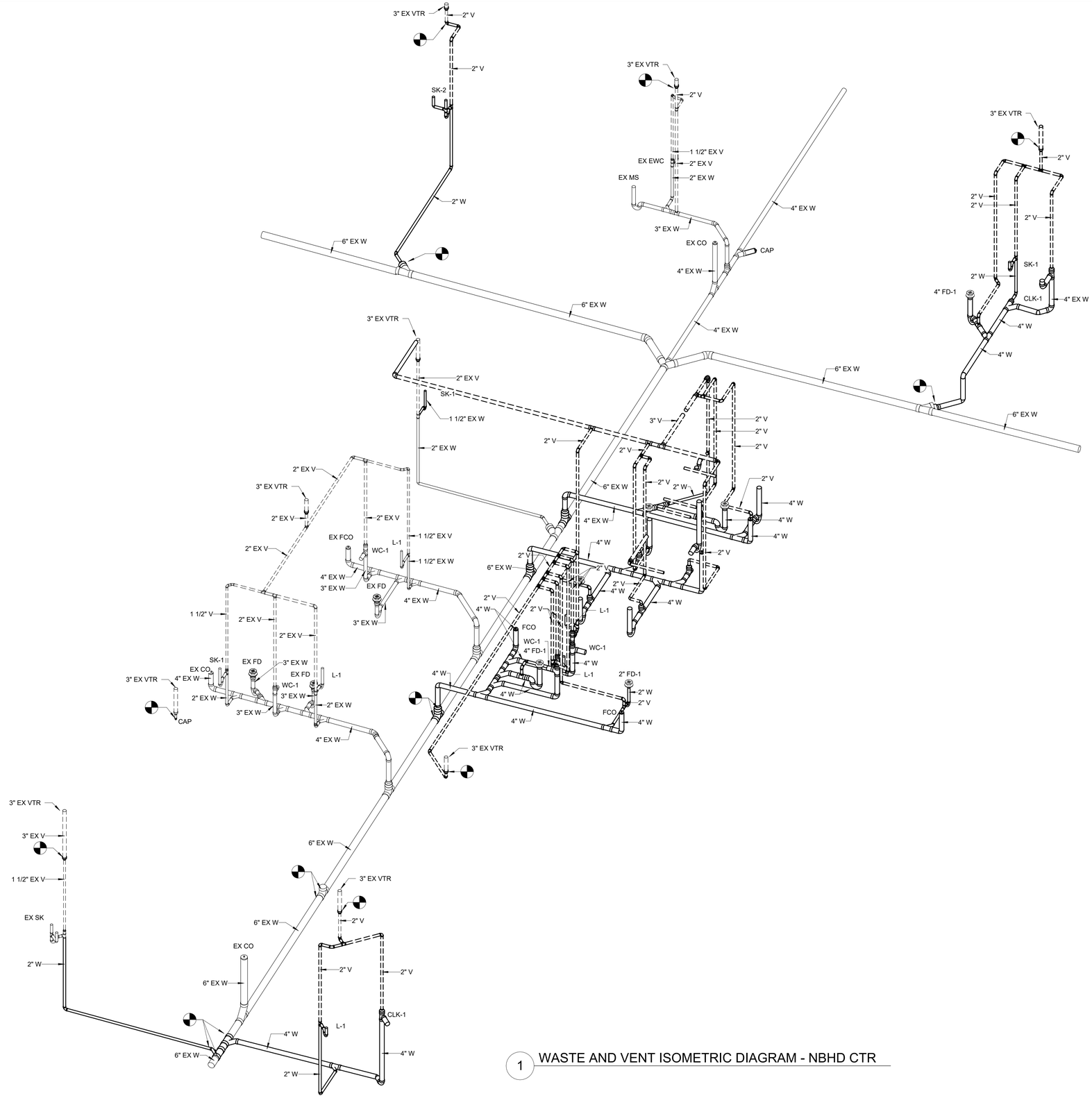
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PLUMBING FIXTURE SCHEDULE

ABBREV.	DESCRIPTION	FIXTURE		WATER SUPPLY			APPURTENANCES			WASTE & TRAP	CARRIER	CONNECTION				ADA MTD.	FLOW RATE	COMMENTS
		MANUFACTURER	MODEL	MANUFACTURER	MODEL	SUPPLY	MANUFACTURER	MODEL	TYPE			WASTE	VENT	CW	HW			
CLK-1	CLINICAL SINK	KOHLER	K-12867	SLOAN	ROYAL 117	--	CHICAGO FAUCETS	814-VBCP 910-G777-16KCP	FAUCET BED PAN WASHER		--	4"	2"	1-1/2"	3/4"	--	--	MOUNT VACUUM BREAKER 7'-6" ABOVE FLOOR.
FD-1	FLOOR DRAIN	ZURN	Z415-B	--	--	--	--	--	--	--	--	VARIES	2"	--	--	--	--	--
FD-2	FLOOR DRAIN	ZURN	ZS880-60	--	--	--	--	--	--	--	--	VARIES	2"	--	--	--	--	5'-0" LENGTH
FD-3	FLOOR DRAIN	ZURN	ZS880-72	--	--	--	--	--	--	--	--	VARIES	2"	--	--	--	--	6'-0" LENGTH
IMB-1	ICE MAKER BOX	GUY GRAY	T200QT	--	--	--	--	--	--	--	--	1-1/2"	1-1/2"	1/2"	--	--	--	--
EW-1	EYEWASH	GUARDIAN	G1895	--	--	--	LAWLER	911E/F	MIXING VALVE	--	--	--	--	1/2"	1/2"	--	--	--
L-1	LAVATORY	KOHLER	K-2005	CHICAGO FAUCET	2201-4ABCP	(2) MCGUIRE BV2165	SYMMONS	7-225-CK-MS	MIXING VALVE	DEARBORN BRASS 708-1 TRUBRO 102E-2	JAY R SMITH 0170-M24	1-1/2"	1-1/2"	1/2"	1/2"	--	--	--
MS-1	MOP SINK	FIAT	MSB2424	CHICAGO FAUCET	897-CP	--	CHICAGO FAUCET	952-12CP	CW FAUCET	--	--	3"	2"	(2) 1/2"	1/2"	--	--	--
SH-1	SHOWER	--	--	SYMMONS	BP-56-500-B30-V-X	--	--	--	--	--	--	2"	2"	1/2"	1/2"	--	--	THE DIVERTER SHALL BE INSTALLED 6" ABOVE MIXING VALVE
SH-2	SHOWER	--	--	SYMMONS	BP-56-500-B30-V-X	--	--	--	--	--	--	2"	2"	1/2"	1/2"	--	--	THE DIVERTER SHALL BE INSTALLED 6" ABOVE MIXING VALVE
SK-1	SINK (SINGLE)	ELKAY	LR1919	CHICAGO FAUCET	786-E36ABCP	(2) MCGUIRE BV2165	SYMMONS	7-225-CK-MS	MIXING VALVE	DEARBORN BRASS 708-1 TRUBRO 102E-2	--	1-1/2"	1-1/2"	1/2"	1/2"	--	--	--
SK-2	SINK (DOUBLE)	ELKAY	LR3322	CHICAGO FAUCET	786-E36ABCP	(2) MCGUIRE BV2165	SYMMONS	7-225-CK-MS	MIXING VALVE	DEARBORN BRASS 708-1 TRUBRO 102E-2	--	1-1/2"	1-1/2"	1/2"	1/2"	--	--	--
WC-1	WATER CLOSET	KOHLER	K-96057	SLOAN	WES-113	--	KOHLER	K4731-SA	SEAT	--	JAY R SMITH 0115Y	4"	2"	1-1/4"	--	--	--	--

EQUIPMENT CONNECTION SCHEDULE

NUMBER	DESCRIPTION	CONNECTION				REMARKS
		WASTE	VENT	CW	HW	
1	DISHWASHER	3/4"	3/4"	2"	2"	
2	WATER DIFFUSER	1/2"	--	2"	2"	PROVIDE WITH IMB-1
3	COFFEE MACHINE	1/2"	--	--	--	

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ABBREVIATIONS

A/C	AIR CONDITIONING	DWDI	DOUBLE WIDTH, DOUBLE INLET	HPR	HIGH PRESSURE CONDENSATE RETURN	PSF	POUNDS PER SQUARE FOOT
A/E	ARCHITECT/ENGINEER	DWG	DRAWING	HPS	HIGH PRESSURE STEAM	PSI	POUNDS PER SQUARE INCH
AAV	AUTOMATIC AIR VENT (VALVE)	DX	DIRECT EXPANSION	HR	HOUR	PSIA	POUNDS PER SQUARE IN ABSOLUTE
ABV	ABOVE			HRC	HEAT RECOVERY COIL	PSIG	POUNDS PER SQUARE IN GAUGE
ACCU	AIR-COOLED CONDENSING UNIT	E/P	ELECTRIC-PNEUMATIC	HT	HEIGHT		
ACH	AIR CHANGES PER HOUR	EA	EXHAUST AIR	HTG	HEATING	QTY	QUANTITY
ACU	AIR CURTAIN	EAT	ENTERING AIR TEMPERATURE	HTWR	HIGH TEMPERATURE WATER RETURN		
AD	ACCESS DOOR	EBB	ELECTRIC BASEBOARD HEATER	HTWS	HIGH TEMPERATURE WATER SUPPLY	R	RETURN
AF	AIR FOIL FAN	EC	EXPANSION COMPENSATOR/JOINT	HUM	HUMIDIFIER	RA	RETURN AIR
AFF	ABOVE FINISHED FLOOR	ECWR	EQUIPMENT COOLING WATER RETURN	HVAC	HEAT, VENTILATION, & AIR CONDITIONING	RAD	RADIATION
AFMS	AIR FLOW MEASURING STATION	ECWS	EQUIPMENT COOLING WATER SUPPLY	HVU	HEATING & VENTILATING UNIT	RAF	RETURN AIR FAN
AHU	AIR HANDLING UNIT	EDB	ENTERING DRY BULB TEMPERATURE	HWR	HOT WATER RETURN	REBAL	REBALANCE
ALT	ALTERNATE	EER	ENERGY EFFICIENCY RATIO	HWS	HOT WATER SUPPLY	REG	REGISTER
ALUM	ALUMINUM	EF	EXHAUST FAN	HX	HEAT EXCHANGER	REV	REVISED
AMP	AMPERE	EFF	EFFICIENCY	HZ	HERTZ	RH	RELATIVE HUMIDITY
AP	ACCESS PANEL	EHC	ELECTRIC HEATING COIL			RHC	REHEAT COIL
APD	AIR PRESSURE DROP	EL/ELEV	ELEVATION	ID	INSIDE DIAMETER	RHG	REFRIGERANT HOT GAS
APPROX	APPROXIMATE	ELEC	ELECTRIC/ELECTRICAL	IN OR "	INCHES	RL	REFRIGERANT LIQUID
ARCH	ARCHITECT/ARCHITECTURAL	ELEM	ELEMENT	IN W.C.	INCHES WATER COLUMN	RM	ROOM
AS	AIR SEPARATOR	ELEV	ELEVATOR	IN W.G.	INCHES WATER GAUGE	RO	RELIEF OPENING
ATD	AIR TRANSFER DUCT	EMD	END OF MAIN DRIP (STEAM)	INSUL	INSULATION	RP	RADIANT PANEL
AUTO	AUTOMATIC	EMER	EMERGENCY	INT	INTERNAL	RPM	REVOLUTIONS PER MINUTE
AVG	AVERAGE	ENG	ENGINEER			RS	REFRIGERANT SUCTION
AWT	AVERAGE WATER TEMPERATURE	ENT	ENTERING	KW	KILOWATT	RTU	ROOF TOP UNIT
AXF	AXIAL FAN	ERP	ELECTRIC RADIANT PANEL	KWH	KILOWATT HOUR	RV	REFRIGERANT VENT OR RELIEF VALVE (VENT)
		ESP	EXTERNAL STATIC PRESSURE			RV	RETURN AIR VALVE
BB	BASEBOARD RADIATION	EST	ESTIMATE	LAT	LEAVING AIR TEMPERATURE		
BDD	BACK DRAFT DAMPER	ET	EXPANSION TANK	LBS	POUNDS	S/W	SUMMER-WINTER
BF	BOILER FEED WATER	ETO	ETHYLENE OXIDE	LDB	LEAVING DRY BULB TEMPERATURE	SA	SUPPLY AIR OR SOUND ATTENUATOR
BG	BOTTOM GRILLE (3"-12" ABOVE FLOOR)	EUH	ELECTRIC UNIT HEATER	LF	LINEAR FEET	SCR	SILICON CONTROLLED RECTIFIER
BHP	BRAKE HORSEPOWER	EV	EXHAUST AIR VALVE	LPG	LIQUID PETROLEUM GAS	SD	SMOKE DAMPER
BLDG	BUILDING	EVAP	EVAPORATOR	LPR	LOW PRESSURE CONDENSATE RETURN	SENS	SENSIBLE LOAD
BMS	BUILDING MANAGEMENT SYSTEM	EVF	FUME HOOD EXHAUST AIR VALVE	LPS	LOW PRESSURE STEAM	SF	SMOKE-FIRE DAMPER
BOD	BOTTOM OF DUCT	EVL	LAB EXHAUST AIR VALVE	LRA	LOCKED ROTOR AMPERES	SHT	SHEET
BR	BOTTOM REGISTER (3"-12" ABOVE FLOOR)			LVG	LEAVING	SOL	SOLENOID
BSMT	BASEMENT	EWB	ENTERING WET BULB TEMPERATURE	LVR	LOUVER	SP	STATIC PRESSURE
BTU	BRITISH THERMAL UNIT	EWT	ENTERING WATER TEMPERATURE	LWB	LEAVING WET BULB TEMPERATURE	SQ	SQUARE
BTUH	BRITISH THERMAL UNIT PER HOUR	EXH	EXHAUST	LWT	LEAVING WATER TEMPERATURE	SQ. FT.	SQUARE FEET
		EX	EXISTING			SS	STAINLESS STEEL
CA	COMPRESSED AIR	EXIST	EXISTING	M	MOTOR OPERATOR	STD	STANDARD
CAP	CAPACITY	EXT	EXTERNAL	MAINT	MAINTENANCE	STL	STEEL
CC	COOLING COIL			MAU	MAKE-UP AIR UNIT	STM	STEAM
CCW	COUNTER CLOCKWISE	F	FAHRENHEIT	MAX	MAXIMUM	STRUC	STRUCTURE/STRUCTURAL
CD	CONDENSATE DRAIN	F&T	FLOAT & THERMOSTATIC STEAM TRAP	MBH	THOUSAND BTU PER HOUR	SV	SUPPLY AIR VALVE
CENTRIF	CENTRIFUGAL	F.D.	FLOOR DRAIN	MCC	MOTOR CONTROL CENTER	SWSI	SINGLE WIDTH, SINGLE INLET
CF	CUBIC FEET	FA	FREE AREA	MECH	MECHANICAL		
CFH	CUBIC FEET PER HOUR	FC	FORWARD CURVED	MERV	MINIMUM EFFICIENCY REPORTING VALUE	3SF	3 HOUR SMOKE FIRE DAMPER
CFM	CUBIC FEET PER MINUTE	FCU	FAN COIL UNIT	MEZZ	MEZZANINE	TC	TEMPERATURE CONTROL
CH	CABINET HEATER	FD	FIRE DAMPER	MFR	MANUFACTURER	TD	TRANSFER DUCT
CHR	CHILLER	FF	FINAL FILTER	MIN	MINIMUM	TEMP	TEMPERATURE
CHWR	CHILLED WATER RETURN	FH	FUME HOOD	MISC	MISCELLANEOUS	TL	TOTAL LOAD
CHWS	CHILLED WATER SUPPLY	FLA	FULL LOAD AMPERES	MPR	MEDIUM PRESSURE CONDENSATE RETURN	TO	TRANSFER OPENING
CI	CAST IRON	FLEX	FLEXIBLE	MPS	MEDIUM PRESSURE STEAM	TSP	TOTAL STATIC PRESSURE
CL	CENTER LINE	FLR	FLOOR	MTD	MOUNTED	TSTAT	THERMOSTAT
CLG	COOLING	FLT	FLASH TANK			TU	TERMINAL UNIT
CO	CLEAN OUT	FM	FLOW METER	N.C.	NORMALLY CLOSED	TYP	TYPICAL
CO2	CARBON DIOXIDE	FOG	FUEL OIL GAUGE	N.O.	NORMALLY OPEN		
COMP	COMPRESSOR	FOR	FUEL OIL RETURN	NC	NOISE CRITERIA	UGRD	UNDERGROUND
CONC	CONCRETE	FOS	FUEL OIL SUPPLY	NIC	NOT IN CONTRACT	UH	UNIT HEATER (HYDRONIC OR STEAM)
CONN	CONNECTION	FOV	FUEL OIL VENT	NO. OR #	NUMBER	UNO	UNLESS NOTED OTHERWISE
CONST	CONSTRUCTION	FP	FIRE PROTECTION	NR	NOT REQUIRED	UPS	UNINTERUPTIBLE POWER SUPPLY
CONT	CONTINUOUS, CONTINUATION	FPB	FAN POWERED TERMINAL UNIT	NTS	NOT TO SCALE	UV	UNIT VENTILATOR
CONTR	CONTRACTOR	FPM	FEET PER MINUTE	NV	NATURAL VENTILATION		
CONV	CONVECTOR	FPS	FEET PER SECOND			V	VOLT OR VENT
CP	CONTROL PANEL	FR	FINNED RADIATION	OA	OUTSIDE AIR	VAV	VARIABLE AIR VOLUME
CT	COOLING TOWER	FSTAT	FREEZESTAT	OAI	OUTSIDE AIR INTAKE	VD	VOLUME DAMPER
CU	CONDENSING/ER UNIT	FT	FEET	OBD	OPPOSED BLADE DAMPER	VEL	VELOCITY
CU FT	CUBIC FEET	FV	FACE VELOCITY	OED	OPEN END DUCT	VERT	VERTICAL
CV	CONSTANT VOLUME			OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED	VFD	VARIABLE FREQUENCY DRIVE
CV	CONSTANT VOLUME	G	NATURAL GAS	OFOI	OWNER FURNISHED/OWNER INSTALLED	VI	VIBRATION ISOLATION
CWR	CONDENSER WATER RETURN	GA	GAUGE	OH	OVERHEAD	VIF	VERIFY IN FIELD
CWS	CONDENSER WATER SUPPLY	GAL	GALLON	OPNG	OPENING	VOL	VOLUME
		GCWR	GEOTHERMAL CONDENSER WATER RETURN			VR	VACUUM RETURN
D	DRAIN OR DRYER	GCWS	GEOTHERMAL CONDENSER WATER SUPPLY	ΔP/DP	DIFFERENTIAL PRESSURE	VRV	VARIABLE REFRIGERANT VOLUME
DB	DECIBEL OR DRY BULB TEMPERATURE	GD	GRAVITY DAMPER	P	PUMP	VTR	VENT THROUGH ROOF
DDC	DIRECT DIGITAL CONTROL	GPH	GALLONS PER HOUR	P/E	PNEUMATIC-ELECTRIC SWITCH		
DEG.F	DEGREE FAHRENHEIT	GPM	GALLONS PER MINUTE	PA	PASCAL	W	WATT
DEMO	DEMOLISH	GR	GLYCOL RETURN	PCD	PUMPED CONDENSATE DISCHARGE/RETURN	W.G.	WATER GAGE
DG	DOOR GRILLE	GRL	GRILLE	PCF	POUNDS PER CUBIC FOOT	W/	WITH
DIA	DIAMETER	GRV	GRAVITY RELIEF VENT	PCWR	PROCESSED CHILLED WATER RETURN	W/O	WITHOUT
DIAG	DIAGONAL	GS	GLYCOL SUPPLY	PCWS	PROCESSED CHILLED WATER SUPPLY	WB	WET BULB TEMPERATURE
DIFF	DIFFUSER	GV	GRAVITY VENTILOR OR NATURAL GAS VENT	PD	PRESSURE DROP	WC	WATER COLUMN
DIM	DIMENSION			PF	PROPELLER FAN	WMS	WIRE MESH SCREEN
DISCH	DISCHARGE	H	HUMIDISTAT OR HUMIDIFIER	PG	PRESSURE GAUGE	WPD	WATER PRESSURE DROP
DN	DOWN	HC	HEATING COIL	PH	PHASE	WT	WEIGHT
DP	DIFFERENTIAL PRESSURE	HEPA	HIGH EFFICIENCY PARTICULATE AIR FILTER	PLBG	PLUMBING	WTR	WATER
DPDT	DOUBLE POLE, DOUBLE THROW	HG	HOT GAS	PRESS	PRESSURE		
DPST	DOUBLE POLE, SINGLE THROW	HL	HIGH LIMIT	PROP	PROPELLER		
DTR	DUAL TEMPERATURE RETURN	HORIZ	HORIZONTAL	PRV	PRESSURE REDUCING VALVE		
DTS	DUAL TEMPERATURE SUPPLY	HP	HORSEPOWER OR HEAT PUMP				

DEMOLITION NOTES

1. COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, SAFETY RULES AND REGULATIONS, OSHA STANDARDS, VA STANDARDS, AND OTHER GOVERNING BODIES HAVING JURISDICTION.
2. THIS PROJECT CONSISTS OF MULTIPLE PHASES OF CONSTRUCTION OVER A SPECIFIED TIME PERIOD. PROVIDE ALL WORK NECESSARY TOO KEEP EXISTING SYSTEMS IN SAFE OPERATION. PROVIDE ISOLATION (SHUTOFF) VALVES AT ALL CONNECTION POINTS TO EXISTING SYSTEMS.
3. COORDINATE SCHEDULE FOR SHUT DOWN OF MECHANICAL EQUIPMENT, HOOK-UPS TO EXISTING SYSTEMS, AND EQUIPMENT REMOVAL OR RELOCATIONS WITH THE OWNER'S OPERATIONAL REQUIREMENTS AND PERFORM THIS WORK AT SUCH TIMES TO ENSURE THAT PERIODS OF SHUTDOWN WILL BE ACCEPTABLE TO THE OWNER.
4. EXERCISE SPECIAL CARE TO AVOID DAMAGING THE OWNER'S FACILITIES AND EQUIPMENT WHILE PERFORMING CONSTRUCTION WORK. PROTECT DUCTWORK, PIPING, EQUIPMENT, ETC. REMAINING IN PLACE FOR REUSE OR SERVING AREAS OUTSIDE OF THE SCOPE OF DEMOLITION. INSTALL TEMPORARY PARTITIONS AND PROTECTIVE COVERINGS AS REQUIRED. REPAIR OR REPLACE EQUIPMENT AND SYSTEM TO BE REUSED WHICH ARE INADVERTENTLY DAMAGED DURING THE DEMOLITION PROCESS, AT NO ADDITIONAL COST TO THE OWNER.
5. RELOCATE EXISTING DUCTWORK AND/OR PIPEWORK IN EXISTING CEILING SPACES TO ACCOMMODATE ALL RENOVATIONS AND ADDITIONS. RELOCATE EXISTING DUCTWORK AND/OR PIPEWORK IN EXISTING CEILING SPACES TO ACCOMMODATE ALL RENOVATIONS AND ADDITIONS.
6. DO NOT REUSE REMOVED PIPING, DUCTWORK, VALVES, ETC., UNLESS SPECIFICALLY INDICATED OTHERWISE.
7. TAKE DOWN AND REINSTALL EXISTING CEILINGS IN ALL AREAS WHERE MECHANICAL WORK IS INDICATED AND EXISTING CEILINGS REMAIN. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN DRAWINGS FOR LOCATIONS WHERE EXISTING CEILINGS REMAIN. REPLACE AND REPAIR CEILINGS DAMAGED DURING WORK.
8. PATCH AND REPAIR ALL FINISHES AND PENETRATIONS CAUSED BY OR EXPOSED BY THE REMOVAL OF MATERIALS AND EQUIPMENT.
9. OBTAIN A HOT WORK PERMIT PRIOR TO ANY CUTTING, BURNING, OR WELDING OPERATION. PROVIDE FIRE WATCH, AND COMPLY WITH HOT WORK REQUIREMENTS OUTLINED ON THE HOT WORK PERMIT AND AS REQUIRED BY OWNER.
10. DISPOSITION OF THE MATERIAL ASSOCIATED WITH THE DEMOLITION PACKAGE WILL BE PROVIDED BY THE OWNER'S REPRESENTATIVE. DO NOT REMOVE DEMOLISHED MATERIALS FROM THE SITE WITHOUT PRIOR APPROVAL OF THE OWNER.
11. PROVIDE AND INSTALL CLOSURE DEVICES FOR REMAINING SYSTEMS AND EQUIPMENT AS INDICATED ON THE DEMOLITION DRAWINGS. VERIFY THAT THE CLOSURE DEVICES HAVE BEEN INSTALLED PRIOR TO RE-ENERGIZING SYSTEMS. COMPLY WITH OWNER AND SITE LOCK-OUT /TAG-OUT PROCEDURES WHERE APPLICABLE.
12. COORDINATE INSTALLATION OF NEW DUCTWORK AND PIPING WITH EXISTING BUILDING STRUCTURE, DUCTWORK, PIPING, ELECTRICAL CONDUIT, LIGHTING, ETC.
13. PRIOR TO COMMENCEMENT OF DEMOLITION WORK:
    - A. MECHANICAL CONTRACTOR SHALL REVIEW ALL EXISTING SERVICES (DUCTWORK, PIPING, EQUIPMENT, ETC.) IN THE AREA OF DEMOLITION AND CONFIRM EQUIPMENT SERVING AREAS OUTSIDE OF THE SCOPE OF DEMOLITION TO REMAIN.
    - B. FIELD VERIFY THE SIZES AND LOCATION OF EQUIPMENT AND SYSTEMS TO BE REMOVED.
    - C. RECORD ALL AIRFLOW RATES AND SETPOINTS FOR EQUIPMENT TO BE REMOVED THAT SERVES AREAS OUTSIDE OF THE SCOPE OF DEMOLITION TO BE SUPPORTED BY TEMPORARY EQUIPMENT DURING CONSTRUCTION ACTIVITIES.
    - D. VERIFY THAT THE DEMO AREA IS ACCESSIBLE AND THAT DEMO TRAFFIC ROUTES ARE FREE AND CLEAR.
    - E. VERIFY THAT EQUIPMENT AND SYSTEMS HAVE BEEN DE-ENERGIZED AND ARE SAFE TO DISMANTLE. COMPLY WITH OWNER AND CONSTRUCTION SITE LOCK-OUT/TAG-OUT PROCEDURES.
    - F. VERIFY EXACT LOCATION OF CONNECTION POINTS, NEW TO EXISTING, IN FIELD PRIOR TO CONSTRUCTION.
    - G. IDENTIFY ELEMENTS OF RISK ASSOCIATED WITH THE DEMOLITION WORK, AND PROVIDE CONTINGENCY PLANS TO THE OWNER TO MINIMIZE THE RISK TO THE PROJECT.
14. PROVIDE A COMPREHENSIVE DEMOLITION AND PHASING PLAN OUTLINING THE SCHEDULE OF WORK ACTIVITIES REQUIRED TO EXECUTE THE WORK. INCLUDE MILESTONE DATES, TEMPORARY CONNECTION POINTS, ELECTRICAL POWER FEED TO TEMPORARY EQUIPMENT, AND PROPOSED SCHEDULE OF TEMPORARY EQUIPMENT OPERATION FOR APPROVAL BY THE OWNER AND ENGINEER.

SYMBOLS

- SUPPLY DUCT RISE
- RETURN DUCT RISE
- EXHAUST DUCT RISE
- SUPPLY DUCT DROP
- RETURN DUCT DROP
- EXHAUST DUCT DROP
- NEW DUCT
- EXISTING DUCT
- DEMOED DUCT
- CAPPED DUCTWORK
- DUCT OFF-SET DN (IN DIRECTION OF FLOW)
- DUCT OFF-SET UP (IN DIRECTION OF FLOW)
- RECTANGULAR DUCT DIMENSIONS (SIZE IN INCHES, FIRST DIMENSION IS SHOWN)
- ROUND DUCT DIMENSIONS (DIAMETER)
- OVAL DUCT DIMENSIONS (SIZE IN INCHES, FIRST DIMENSION IS SHOWN)
- CAPPED PIPING OR SINGLE DUCTWORK
- SINGLE LINE SUPPLY DUCT
- SINGLE LINE RETURN DUCT
- SINGLE LINE EXHAUST DUCT
- EXISTING SINGLE LINE DUCT
- EXISTING ITEM TO BE REMOVED
- SINGLE LINE DUCT RISE OR DROP
- ELBOW WITH TURNING VANES
- FLEXIBLE DUCT
- OPPOSED BLADE VOLUME DAMPERS
- VOLUME DAMPER
- FD, SD, OR FSD
- FIRE, SMOKE/FIRE, OR SMOKE DAMPER IN RISER
- FIRE, SMOKE/FIRE, OR SMOKE DAMPER
- FD, SD, OR FSD
- MOTORIZED DAMPER
- BACKDRAFT DAMPER
- TEMPERATURE SENSOR (IN DUCT OR PIPE)
- RECTANGULAR WYE DUCT FITTING
- POINT OF CONNECTION (NEW TO EXISTING)
- POINT OF CONNECTION (EXTENT OF DEMOLITION)
- NEW HVAC PIPE
- EXISTING HVAC PIPE
- EXISTING HVAC PIPE TO BE REMOVED
- PIPE ELBOW DOWN
- PIPE ELBOW UP
- PIPE RISE OR DROP
- PIPE BOTTOM DROP
- ROUND (DIAMETER)
- CONTROL VALVE (2-WAY)
- CONTROL VALVE (3-WAY)
- TRIPLE DUTY VALVE
- CHECK VALVE (SHOWN W/FLOW)
- BALANCING VALVE
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- SAFETY/RELIEF VALVE
- VALVE
- UNION
- HOSE DRAIN VALVE WITH CAP
- MANUAL AIR VENT
- CLEANOUT (CO)
- PRESSURE/TEMPERATURE TEST PORT
- EXPANSION JOINT
- EXPANSION LOOP
- STRAINER W/BLOWDOWN VALVE
- PIPING FLOW METER
- TRAP
- FLEXIBLE CONNECTION
- PIPE GUIDE
- DIRECTION OF FLOW
- PIPE ANCHOR

- PUMP
- ELECTRICAL CONNECTION (BY DIVISION 23)
- ELECTRICAL CONNECTION (BY DIVISION 26)
- SENSING ELEMENT - AIR STREAM
- SENSING ELEMENT - LIQUID SEPARABLE WELL
- TEMPERATURE SENSOR
- THERMOSTAT WITH LOCKING COVER
- HUMIDITY SENSOR
- SWITCH
- OCCUPANCY SENSOR
- PUSH BUTTON
- CARBON DIOXIDE SENSOR
- OXYGEN SENSOR
- FLOW SWITCH
- PRESSURE GAGE
- RELAY
- FREEZESTAT
- PNEUMATIC-ELECTRIC SWITCH
- ELECTRIC-PNEUMATIC SWITCH
  - PILOT LIGHT-LETTER INDICATES COLOR: G - GREEN, Y - YELLOW, R - RED
- VARIABLE SPEED DRIVE
- FIRESTAT
- SMOKE DETECTOR
- ANALOG INPUT, TEMPERATURE
- ANALOG INPUT, PRESSURE
- ANALOG INPUT, FLOW
- ANALOG INPUT
- ANALOG OUTPUT
- DIGITAL OUTPUT
- DIGITAL INPUT
- ANALOG OUTPUT, PNEUMATIC
- ROOM PRESSURIZATION MONITOR
- DUCT SMOKE DETECTOR
- AIR FLOW MEASURING STATION
- CURRENT SENSOR
- STARTER
- SUPPLY AIR DEVICE - (REFER TO SCHEDULE FOR SIZE) FIRST NO. CFM, SECOND NO. TYPE (REFER TO SPECIFICATION FOR AIR DEVICE TYPE)
- RETURN AIR DEVICE - (REFER TO SCHEDULE FOR SIZE) FIRST NO. CFM, SECOND NO. TYPE (REFER TO SPECIFICATION FOR AIR DEVICE TYPE)
- EXHAUST AIR DEVICE - (REFER TO SCHEDULE FOR SIZE) FIRST NO. CFM, SECOND NO. TYPE (REFER TO SPECIFICATION FOR AIR DEVICE TYPE)
- SUPPLY/ RETURN/EXHAUST SIDEWALL GRILLE- FIRST NO. CFM, SECOND NO. TYPE BOTTOM NO. WIDTH BY HEIGHT OF GRILLE (REFER TO SPECIFICATION FOR AIR DEVICE TYPE)
- LINEAR DIFFUSER (CFM, TYPE, SLOT WIDTH (INCHES), NO. OF SLOTS, LENGTH)
- NEW EQUIPMENT (TYPE NO., EQUIPMENT TYPE)
- EXISTING EQUIPMENT (EXISTING, EQUIPMENT TYPE)
- CALLOUT INDICATOR TOP INDICATES NUMBER ON THE SHEET BOTTOM INDICATES SHEET NUMBER
- SECTION INDICATOR TOP INDICATES SECTION NUMBER BOTTOM INDICATES SHEET NUMBER

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DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION	DATE

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63 OF 93 SHEETS
06/26/2025

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GENERAL NOTES

1. COMPLY WITH APPLICABLE LOCAL, STATE, FEDERAL, AND OWNER CODES AND STANDARDS DURING THE EXECUTION OF WORK DESCRIBED ON DRAWINGS AND OTHER CONTRACT DOCUMENTS.
2. LOCATE ALL TERMINAL UNITS, VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ABOVE ACCESSIBLE CEILINGS, OR PROVIDE ACCESS PANELS. MINIMUM ACCESS PANELS IN PARTITION SIZE SHALL BE 18x18 UNLESS OTHERWISE APPROVED BY ENGINEER. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.
3. FURNISH AND INSTALL ACCESS DOORS IN DUCTWORK TO SERVICE HEATING COILS, FIRE DAMPERS, AUTOMATIC AND MANUAL DAMPERS, CONTROL HARDWARE, LOUVER SCREENS, ETC. WHERE ACCESS IS REQUIRED FOR MAINTENANCE AND AS REQUIRED BY BUILDING CODES, MECHANICAL CODES, AND FIRE CODES. PROVIDE ACCESS DOORS WHERE REQUIRED, WHETHER OR NOT INDICATED ON THE DRAWING.
4. THE MECHANICAL DRAWINGS ARE SCHEMATIC IN NATURE AND ARE PROVIDED TO SHOW THE INTENT OF THE WORK. PROVIDE WORK AND EQUIPMENT NECESSARY TO COMPLETE THE INSTALLATION IN ACCORDANCE WITH APPLICABLE BUILDING CODES, STATE AND LOCAL BUILDING CODES, OWNERS INSURANCE UNDERWRITER(S), NFPA, AND OTHER GOVERNING AUTHORITIES HAVING JURISDICTION.
5. DUCTWORK, PIPING, AND EQUIPMENT CONNECTIONS SHOWN ON THE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE PROVIDED AS A GUIDE FOR THE INSTALLATION OF EQUIPMENT AND ASSOCIATED SYSTEMS. THE DRAWINGS SHALL NOT BE SCALED FOR ROUGHING IN MEASUREMENTS OR TO SERVE AS SHOP DRAWINGS. PROVIDE MINOR ADJUSTMENTS TO THE DUCTWORK, PIPING, AND EQUIPMENT AS REQUIRED TO SUIT FIELD CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. MAJOR DEVIATIONS TO THE DESIGN REQUIRE PRIOR APPROVAL BEFORE STARTING WORK. CONTRACTOR SHALL COORDINATE WITH OTHER DISCIPLINES FROM LAYOUT THROUGH CONSTRUCTION AND RESOLVE ANY INTERFERENCES PRIOR TO INSTALLATION. PROMPTLY REPORT UNRESOLVED INTERFERENCES AND CONFLICTS TO OWNER.
6. SUPPORTS, ROOF AND WALL OPENINGS, EQUIPMENT CONNECTIONS, EQUIPMENT ARRANGEMENT, AND ELECTRICAL POWER PROVISIONS FOR MECHANICAL EQUIPMENT ARE BASED ON PRELIMINARY INFORMATION FOR THE EQUIPMENT DESIGN BASIS SELECTION. PROVIDE AND INSTALL EQUIPMENT SUPPORTS, MAKE ROOF AND WALL OPENINGS, ADJUST CONNECTION SIZE AND TYPE, ADJUST EQUIPMENT SPACE ARRANGEMENT, AND PROVIDE ELECTRICAL BRANCH CIRCUIT AND DISTRIBUTION MODIFICATIONS BASED UPON CERTIFIED EQUIPMENT DRAWINGS, WITHOUT ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL COORDINATE ROUTING AND INSTALLATION OF DUCTWORK AND PIPING SYSTEMS WITH ALL OTHER SERVICES. PREPARE AND SUBMIT DUCTWORK AND PIPING COORDINATION DRAWINGS (SHOP DRAWINGS) TO ENGINEER FOR REVIEW PRIOR TO FABRICATION AND INSTALLATION. IN ACCORDANCE WITH SPECIFICATIONS INCLUDE DUCTWORK AND PIPING PLANS, ELEVATIONS, AND SECTIONS, SHOWING FITTINGS, EQUIPMENT CONNECTIONS, AND ACCESS REQUIREMENTS.
8. PROVIDE WORK IN STRICT ACCORDANCE WITH APPROVED COORDINATION DRAWINGS. THE OWNER OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT WORK NOT IN ACCORDANCE WITH THE APPROVED COORDINATION DRAWINGS.
9. OPERATION OF THE EQUIPMENT, DUCTWORK, OR INSTALLED PIPING DOES NOT CONSTITUTE AN ACCEPTANCE OF THE WORK BY THE OWNER. FINAL ACCEPTANCE IS DEFINED IN THE CONTRACT DOCUMENTS.
10. INSTALL ALL FLOOR MOUNTED HVAC EQUIPMENT, INCLUDING AHU'S, PUMPS, CHILLER, ETC. ON 6" MINIMUM CONCRETE PAD. COORDINATE AIR HANDLING UNIT CONCRETE PAD HEIGHT WITH CONDENSATE DRAIN TRAP HEIGHT REQUIREMENT AND LAYOUT BASED ON FINAL EQUIPMENT TO BE INSTALLED. EXTEND PAD A MINIMUM OF 6" BEYOND EQUIPMENT EDGES ON ALL SIDES.
11. FURNISH AND INSTALL THE NECESSARY APPURTENANCES AND MINOR AUXILIARIES REQUIRED TO MAKE EACH SYSTEM COMPLETE AND OPERABLE IN EVERY RESPECT. FURNISH AND INSTALL WORK DESCRIBED IN THE SPECIFICATIONS AND NOT SHOWN ON THE DRAWINGS, OR VICE VERSA.
12. REFER TO ARCHITECTURAL ELEVATION DRAWINGS FOR LOCATION OF WALL MOUNTED MECHANICAL ITEMS.
13. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL CEILING AIR DEVICE LOCATIONS.
14. LOCATIONS SHOWN ON DRAWINGS FOR THERMOSTATS, HUMIDISTATS AND LOCAL INDICATING PANELS ARE APPROXIMATE. COORDINATE FINAL LOCATION TO SUIT FIELD CONDITIONS, OR AS DIRECTED BY OWNER.
15. RUN DUCTWORK AND PIPE INSULATION CONTINUOUSLY THROUGH FLOOR, ROOF, AND WALL PENETRATIONS.
16. PENETRATION SYSTEMS NOT OTHERWISE NOTED SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR. PROVIDE UL LISTED PENETRATIONS THROUGH RATED WALLS AND PARTITIONS IN ACCORDANCE WITH THEIR LISTING.
17. EQUIPMENT MAINTENANCE ACCESS SPACE SHOWN WITH DASHED LINES.
18. ALL BRANCH DUCTWORK TAPS CONNECTING TO DIFFUSERS SHALL BE EQUAL TO DIFFUSER NECK SIZE AS SPECIFIED IN THE AIR DEVICE SCHEDULE.
19. BLANK-OFF AREAS OF LOUVERS NOT USED WITH G90 20 GAUGE SHEET METAL DOUBLE WALL BLANK-OFF PANEL INSULATED WITH 2" RIGID FIBERBOARD. SEAL AIR TIGHT.
20. PROVIDE POSITIVE DRAINAGE OF ALL PLENUMS CONNECTED TO OUTSIDE LOUVERS. WATERPROOF BOTTOM OF PLENUMS. SLOPE PLENUM BOTTOM TO LOUVER OR PROVIDE DRAIN POINTS WITH DISCHARGE TO DRAIN.
21. COORDINATE FIRE DAMPER AND LISTED ASSEMBLY RATINGS WITH ARCHITECTURAL DRAWINGS. PROVIDE ACCESS DOOR AT ALL FIRE DAMPERS.
22. VALVE SYMBOLS SHOWN ON DRAWINGS AND DETAILS ARE SCHEMATIC. REFER TO SPECIFICATIONS FOR VALVE TYPE BY SYSTEM. LOCATE AND ORIENT VALVES IN ACCESSIBLE LOCATIONS.
23. SUPPORT PIPE IN A MANNER THAT AVOIDS STRESSES DUE TO THERMAL EXPANSION AND BUILDING DISPLACEMENT. PROVIDE PIPE EXPANSION IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
24. TEST AND ADJUST INSTALLED EQUIPMENT AND SYSTEMS IN ACCORDANCE WITH CONTRACT DOCUMENTS. CORRECT DEFECTS AND SYSTEM DEFICIENCIES DISCLOSED BY TESTING, WITHOUT ADDITIONAL COST TO THE OWNER.
25. SEE STRUCTURAL DRAWINGS FOR SEISMIC DESIGN REQUIREMENTS.
26. RADIUS ELBOWS WILL HAVE A CENTERLINE RADIUS EQUAL TO 1.5 TIMES THE DUCT WIDTH WHEREVER POSSIBLE, UNLESS INDICATED OTHERWISE ON THE DRAWINGS. WHERE RADIUS ELBOWS ARE NOT POSSIBLE, SQUARE 90 DEGREE ELBOWS, WITH SINGLE-WALL TURNING VANES, WILL BE USED.
27. ALL MITERED ELBOWS AND TEES SHALL BE PROVIDED WITH SINGLE THICKNESS TURNING VANES.
28. PROVIDE VOLUME DAMPERS UPSTREAM OF ALL TERMINAL UNITS AND AT ALL SUPPLY, RETURN, AND EXHAUST DUCT BRANCH TAKE-OFFS. SEE DUCT CONSTRUCTION DETAILS.
29. ALL UNLABELED LAY-IN CEILING RETURN DIFFUSERS SHALL BE TYPE -5 UNLESS OTHERWISE NOTED.
30. DUCTWORK SHALL NOT PENETRATE STAIR WALLS.
31. INSTALL PIPING TO HVAC HEATING AND COOLING COIL(S) TO ALLOW CLEAR REMOVAL SPACE FOR THE COILS, AIR FILTERS, UNIT CONTROLS, FANS, AND MOTORS.
32. COIL PIPING SHALL NOT BLOCK FILTER OR MOTOR ACCESS.
33. INSTALLED PIPING WILL BE SUFFICIENTLY SUPPORTED SO THE WEIGHT DOES NOT REST ON THE EQUIPMENT IT IS CONNECTED TO.
34. PROVIDE SPARE TAPS AND ISOLATION VALVES AT ALL BRANCH CONNECTIONS TO HOT WATER AND CHILLED WATER CONNECTIONS TO RISERS TO ALLOW FOR FUTURE CONNECTIONS.
35. INSTALL 3/4" MANUAL HIGH POINT VENTS AND LOW POINT DRAINS IN ALL RELATIVE HIGH AND LOW POINTS IN HYDRONIC PIPE SYSTEMS AS SHOWN ON DRAWINGS OR AS REQUIRED TO PREVENT TRAPPING OF AIR DURING FILLING AND TO FACILITATE COMPLETE DRAINAGE.
36. THIS PROJECT CONSISTS OF MULTIPLE PHASES OF CONSTRUCTION OVER A SPECIFIED TIME PERIOD. PROVIDE ALL WORK NECESSARY TOO KEEP EXISTING SYSTEMS IN SAFE OPERATION. PROVIDE ISOLATION (SHUTOFF) VALVES AT ALL CONNECTION POINTS TO EXISTING SYSTEMS.
37. PROVIDE ALL WORK NECESSARY TO KEEP EXISTING SYSTEMS IN SAFE CONTINUOUS OPERATION. PROVIDE ISOLATION (SHUT-OFF) VALVES AT ALL CONNECTION POINTS TO EXISTING SYSTEMS.
38. AVOID OBSTRUCTIONS AND MAINTAIN PROPER ACCESS CLEARANCES TO ALL EXISTING MECHANICAL, ELECTRICAL, PLUMBING, CONTROLS AND OTHER INFRASTRUCTURE DEVICES, SPECIALTIES, AND APPURTENANCES.
39. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE HARD OR SUSPENDED CEILING.
40. INSTALL RIGID 1"x1" GALVANIZED STEEL WIRE MESH AT ALL OPEN ENDED DUCTS.
41. ALL CONDENSATE DRAIN PIPING SHALL BE BRAZED, TYPE L COPPER PIPE.
42. ROUTE ALL FAN COIL UNIT CONDENSATE PIPING TO THE NEAREST FLOOR DRAIN, MOP SINK, OR TIE INTO SANITARY DRAIN SYSTEM. COORDINATE WITH PLUMBING CONTRACTOR FOR SANITARY DRAIN SYSTEM TIE INS. PROVIDE 2" PVC CONDENSATE DRAIN PIPING FOR 2 OR MORE FAN COIL UNITS SERVED BY A SINGLE DRAIN LINE. SLOPE ALL CONDENSATE DRAIN PIPING 1/4" PER FOOT IN THE DIRECTION OF FLOW. ALL CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH MINIMUM 1/2" FOIL FACED FIBERGLASS INSULATION.
43. ALL BUILDING MANAGEMENT AND FIRE ALARM DEVICES AND CONTROL WIRING SHALL BE 24 V UNLESS OTHERWISE NOTED.
44. CONFIRM FINAL PIPING LENGTHS FOR EACH SYSTEM PRIOR TO PROCUREMENT.
45. CONTRACTOR SHALL COORDINATE ALL FCU'S AND ASSOCIATED DUCTWORK & PIPING WITH OTHER DISCIPLINES EQUIPMENT TO ENSURE REQUIRED ACCESS AND CLEARANCES ARE MAINTAINED.
46. WORK AND EQUIPMENT TO BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF WORK.
47. FURNISH CERTIFICATES OF APPROVAL FROM ALL AUTHORITIES HAVING JURISDICTION AS PART OF THE SYSTEM ACCEPTANCE DOCUMENTATION.
48. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
49. PIPE ALIGNMENT GUIDES AND ANCHORS WILL BE INSTALLED FOR PROPER DIRECTION CONTROL OF EXPANSION AND CONTRACTION. PIPE ALIGNMENT GUIDES AND ANCHORS WILL BE INSTALLED FOR PROPER DIRECTION CONTROL OF EXPANSION AND CONTRACTION.
50. WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR UNLESS SHOWN OTHERWISE BY THE MANUFACTURE'S WRITTEN INSTALLATION INSTRUCTIONS.
51. VERIFY EXACT LOCATION OF CONNECTION POINTS, NEW TO EXISTING, IN FIELD PRIOR TO CONSTRUCTION.
52. PROVIDE MINIMUM 18 GAUGE SHEET METAL COLUMN WRAP FOR ALL STRUCTURAL PENETRATIONS OF PLENUMS AND OTHER DUCTWORK.
53. GREASE DUCTS SHALL MAKE ALL TRANSITIONS KEEPING BOTTOM OF DUCT FLAT THROUGHOUT TRANSITION.
54. ALL PRESSURES LISTED ARE GAUGE PRESSURE UNLESS OTHERWISE NOTED.
55. DIFFERENTIAL PRESSURES SHOWN REPRESENT DIFFERENTIAL PRESSURES RELATIVE TO THE OUTSIDE REFERENCE PRESSURE OF 0.00" W.G.
56. PROVIDE AIR TRANSFER DUCTS IN INTERIOR PARTITION WALLS ADDED DURING THE SCOPE OF THIS WORK, IF NO TRANSFER DUCT IS PRESENT.
57. ALL CONTROL DEVICES SHALL BE 24V UNLESS OTHERWISE NOTED.
58. PROVIDE EXISTING SYSTEM ISOLATION IN THE VICINITY OF WORK AS REQUIRED TO ALLOW FOR CONTINUED OPERATION OF OCCUPIED AREAS AS DETERMINED BY THE OWNER.
59. RETURN ALL DEMOLISHED CONTROLLERS TO FACILITIES STAFF.
60. REESTABLISH LON CONNECTION FROM REPLACED CONTROLLERS AFTER REMOVALOF EXISTING LON CONTROLLERS.
61. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING TO REMAIN BAS COMPONENTS/WIRING/ETC TO SUPPORT EXISTING TO REMAIN DEVICES, UNLESS OTHERWISE NOTED.

MECHANICAL EQUIPMENT COMPONENTS EARTHQUAKE LOAD RESISTANCE

OCCUPANCY CATEGORY (III) SEISMIC DESIGN CATEGORY (C)

LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
					ON CONSTRUCTION DOCUMENTS	SUBSEQUENT SUBMITTAL		
	NOT PROVIDED FOR PROJECT	PROVIDED FOR PROJECT	NOT PROVIDED FOR PROJECT	PROVIDED FOR PROJECT	DRAWING NO. OR SPEC. SECTION	SHOP DRAWINGS	SEPARATE PERMIT & PLANS	
EQUIPMENT SUSPENDED FROM THE STRUCTURE: EF, FCU, FTU, AIR TERMINAL UNITS > 20 lbs. EF, AIR TERMINAL UNITS <= 20 lbs.	 X X		 X X					 1 1
SMALL DUCTWORK LARGE DUCTWORK	X X		X X					1 1
PIPING <= 3"	X		X					1
PIPING > 3" OR NON-DUCTILE	X		X					1
AIR DEVICES	X		X					1, 2

NOTES:

1. TABLE 4.4, ITEM 1, EXCEPTION FOR SEISMIC DESIGN CATEGORY C AND COMPONENT IMPORTANCE FACTOR Ip = 1.0
2. COMPONENTS SHALL BE POSITIVELY ATTACHED WITH MECHANICAL FASTENERS.

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ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

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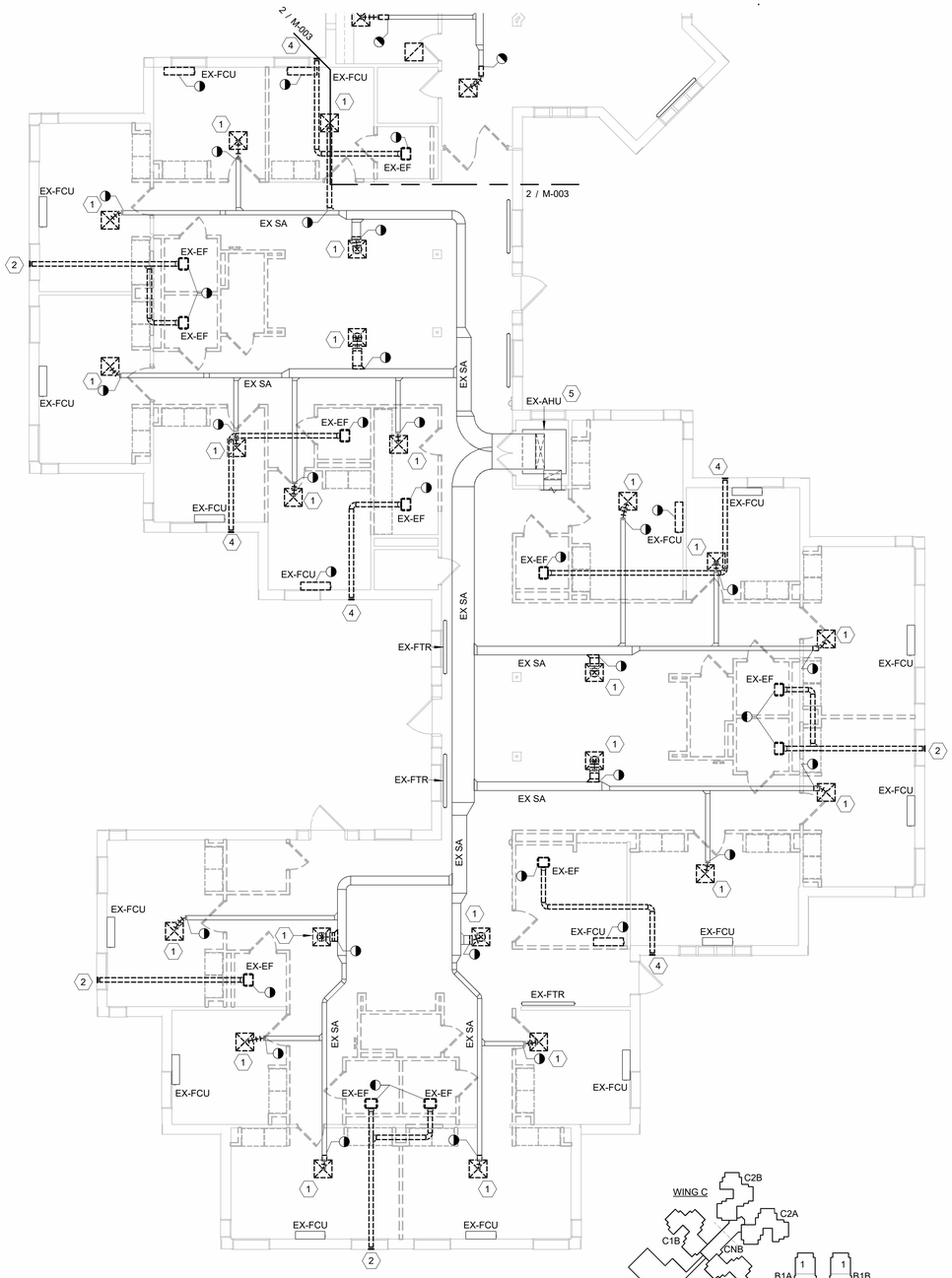
SEISMIC CODE BLOCK AND GENERAL NOTES

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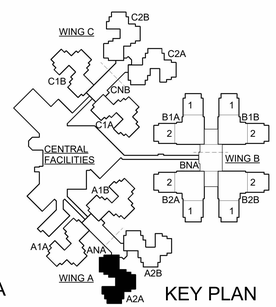
64 OF 93 SHEETS
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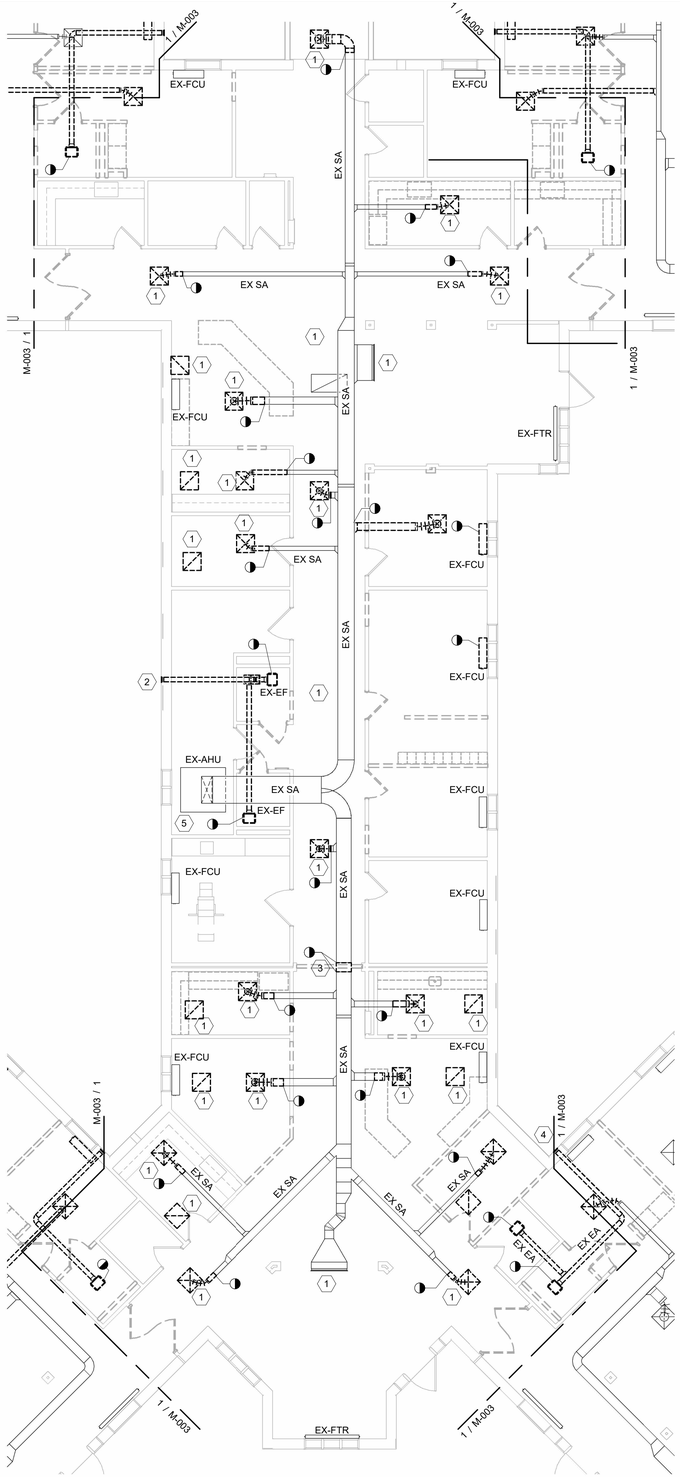


A WING HOME - DUCTWORK DUCTWORK DEMOLITION PLAN - A2A SHOWN

1 1/8" = 1'-0"

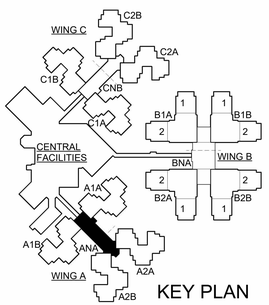


KEY PLAN



A WING NBHD CENTER - DUCTWORK DEMOLITION PLAN - ANA SHOWN

2 1/8" = 1'-0"



KEY PLAN

KEYED NOTES:

1. MEASURE AND RECORD AIRFLOW PRIOR TO REMOVAL. PROVIDE PRE-TAB REPORT FOR REVIEW BY ENGINEER.
2. CAP AND PRESERVE WALL PENETRATION FOR FUTURE USE. PROVIDE TEMPORARY PROTECTION OF OPENING DURING CONSTRUCTION.
3. COORDINATE NECESSARY SHUTDOWN OF SYSTEMS WITH OWNER'S OPERATIONAL REQUIREMENTS.
4. REFERENCE ARCHITECTURAL PLANS FOR CAP AND INSULATION AT ABANDONED LOUVER.
5. MEASURE AND RECORD SUPPLY AND RETURN AIRFLOWS OF EXISTING AHU.

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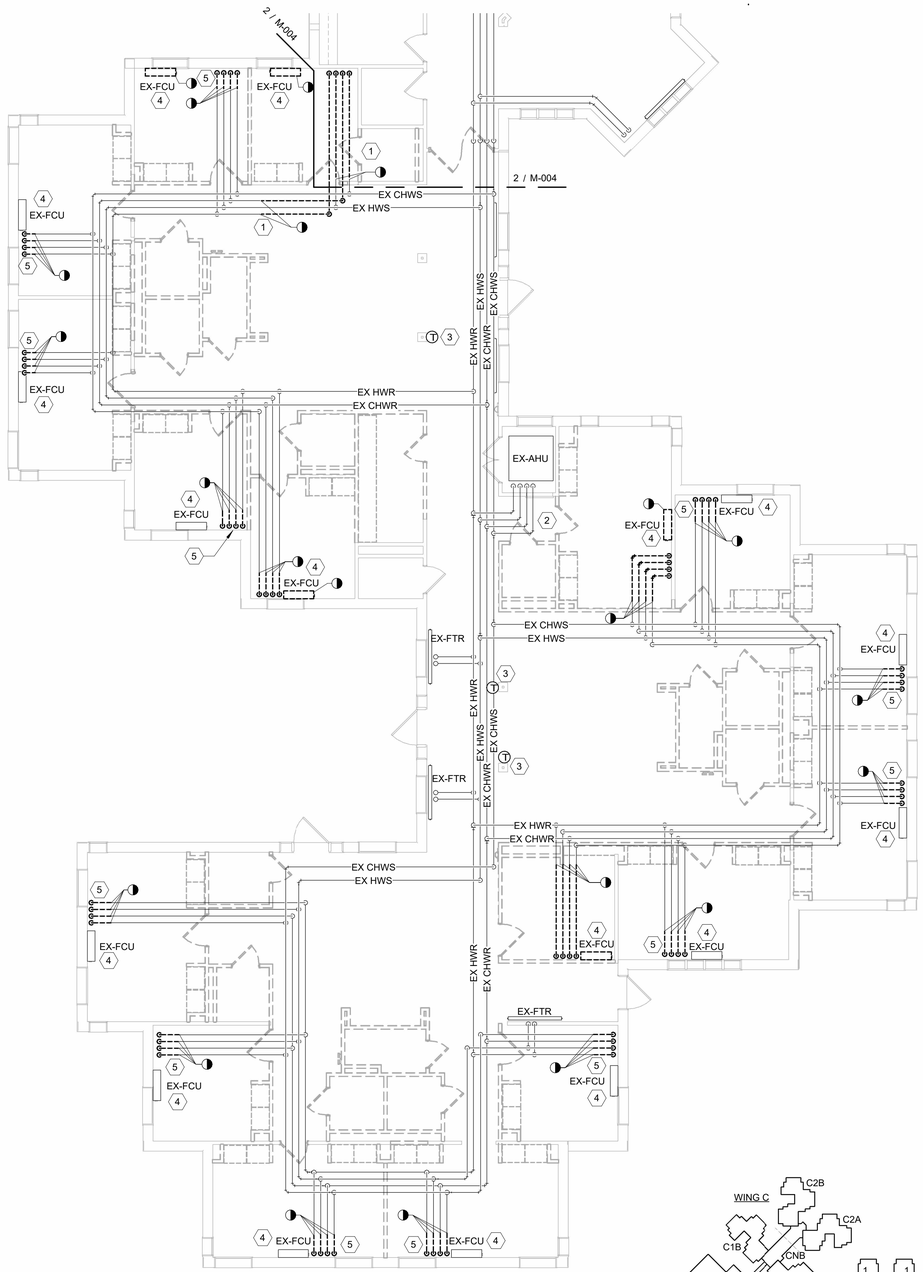
LEVEL 01 DUCTWORK DEMOLITION PLAN - A WING

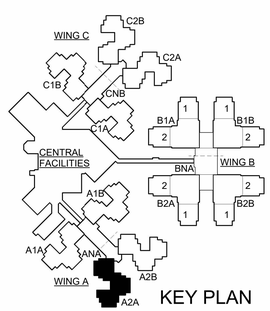
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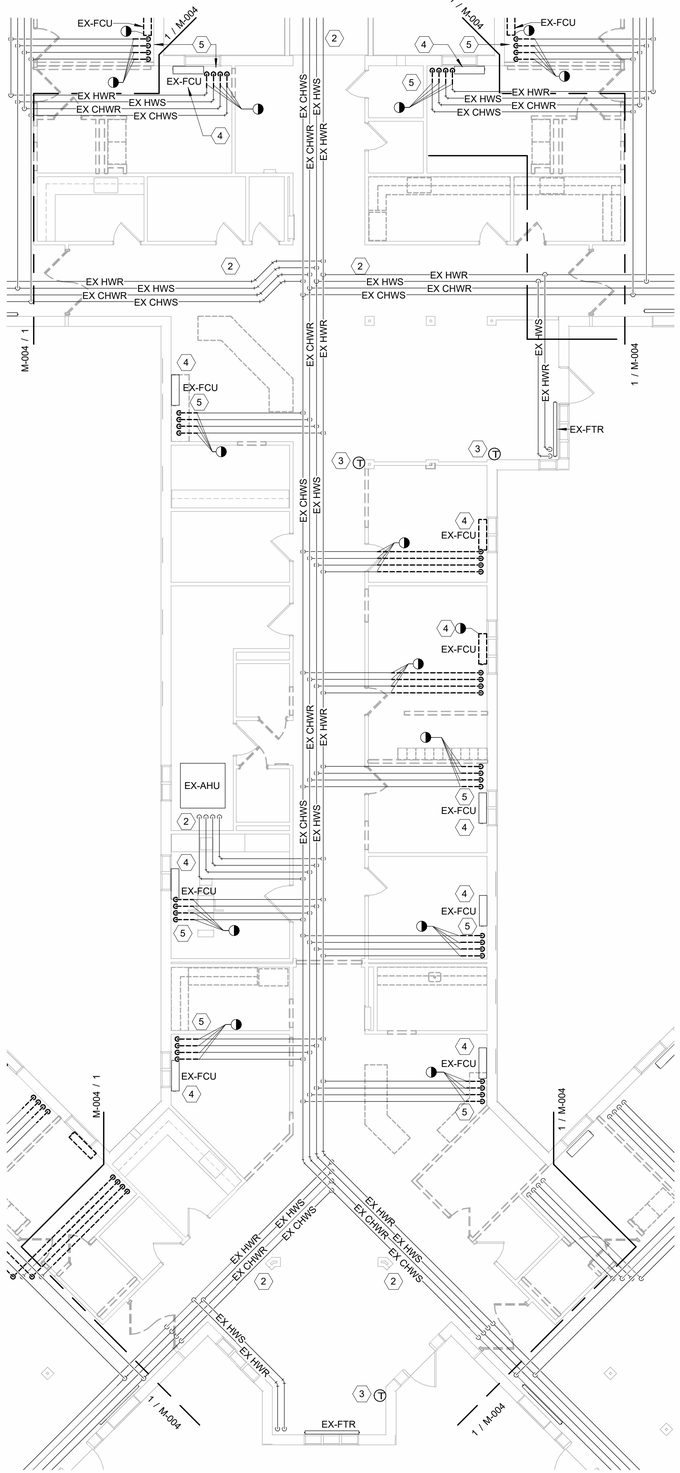
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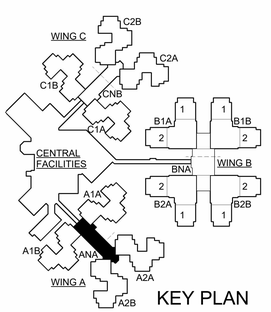




KEY PLAN

1 A WING HOME - PIPING DEMOLTION PLAN - A2A SHOWN
1/8" = 1'-0"





KEY PLAN

2 A WING NHBD CTR - PIPING DEMOLTION PLAN - ANA SHOWN
1/8" = 1'-0"

KEYED NOTES:

1. CAP AND VALVE EXISTING CHWS, CHWR, HWS, AND HWR.
2. MEASURE AND RECORD WATERFLOWS PRIOR TO DEMOLITION. PROVIDE PRE-TAB REPORT FOR REVIEW BY ENGINEER.
3. DEMOLISH THERMOSTAT AND CONTROL WIRING ASSOCIATED WITH EQUIPMENT. FIELD VERIFY LOCATION OF EXISTING THERMOSTAT.
4. EXISTING FAN COIL UNIT AND CONTROLS TO REMAIN.
5. DEMOLISH CHWS, CHWR, HWS, AND HWR FROM EX-FCU TO WALL. ONLY DEMOLISH PIPING TO ELBOW ABOVE CEILING IF WATER DAMAGE IS OBSERVED AT WALL OR PIPING INSULATION.

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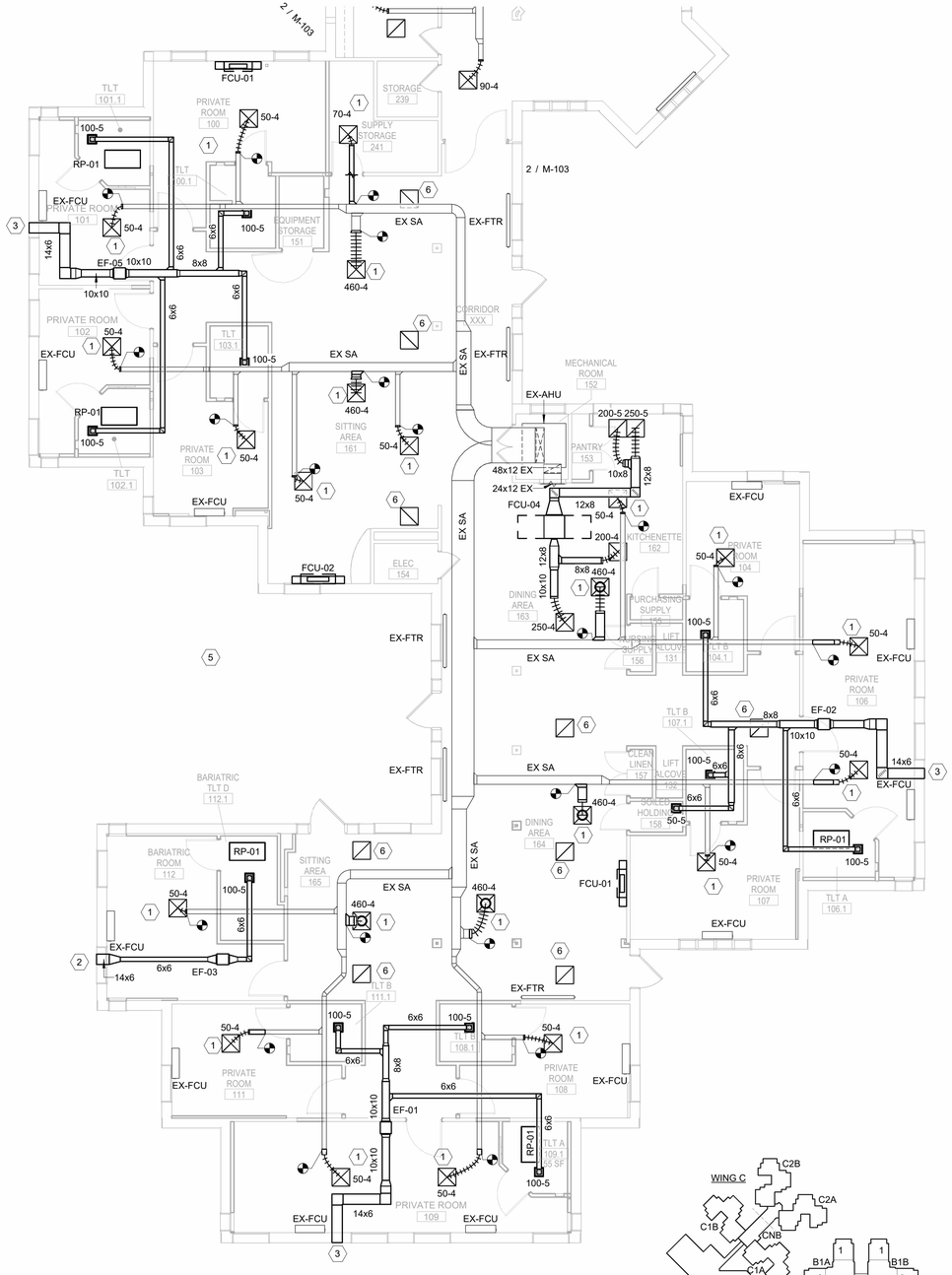
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LEVEL 01 PIPING DEMOLITION PLAN - A WING

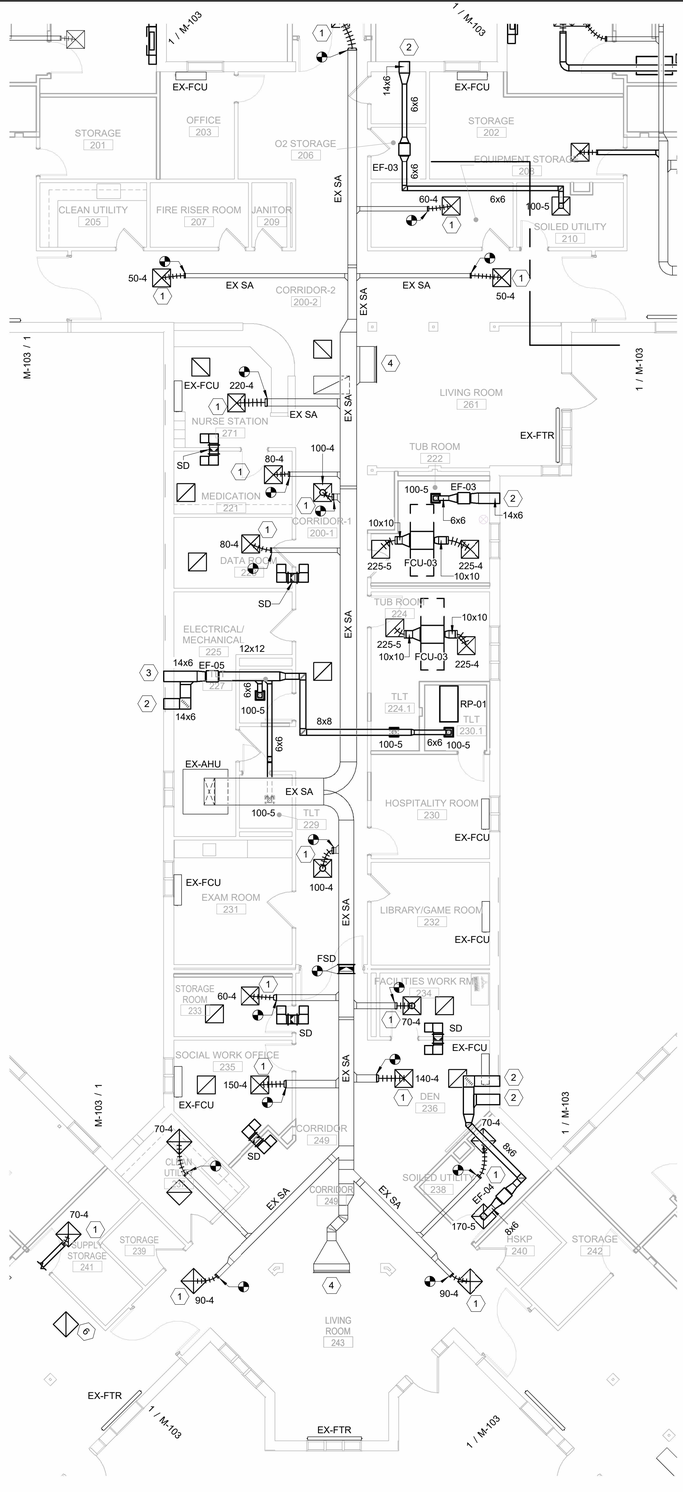
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1 A WING HOME DUCTWORK PLAN - A2A SHOWN
1/8" = 1'-0"



2 A WING NHBD CENTER DUCTWORK PLAN - ANA SHOWN
1/8" = 1'-0"

KEYED NOTES:

1. INSTALL NEW REGISTER AND RE-BALANCE TO PREVIOUSLY RECORDED VALUES UNLESS DIRECTED OTHERWISE. PROVIDE ALL NEW RIGID AND FLEXIBLE DUCTWORK, SUPPORTS, AND INSULATION FOR FULLY FUNCTIONING SYSTEM.
2. NEW EXHAUST LOUVER. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
3. REUSE EXTERIOR PENETRATION FOR NEW EXHAUST DUCT. PROVIDE NEW LOUVERS AT THESE PENETRATIONS.
4. SUPPLY GRILLE, EXISTING TO REMAIN. REBALANCE TO PREVIOUSLY MEASURED AIRFLOW.
5. WING A2A IS SIMILAR TO ISOLATION WING A1B - SEE SHEET M-103A FOR ISOLATION WING A1B.
6. CEILING MOUNTED PLENUM TRANSFER AIR DIFFUSER PROVIDED FOR ISOLATION MODE OPERATION OF FAN FILTER UNIT. PROVIDE 24X24 TYPE 5 TRANSFER AIR GRILLE WITH OPEN ENDED DUCT. SEE M-0501 DETAIL 10.

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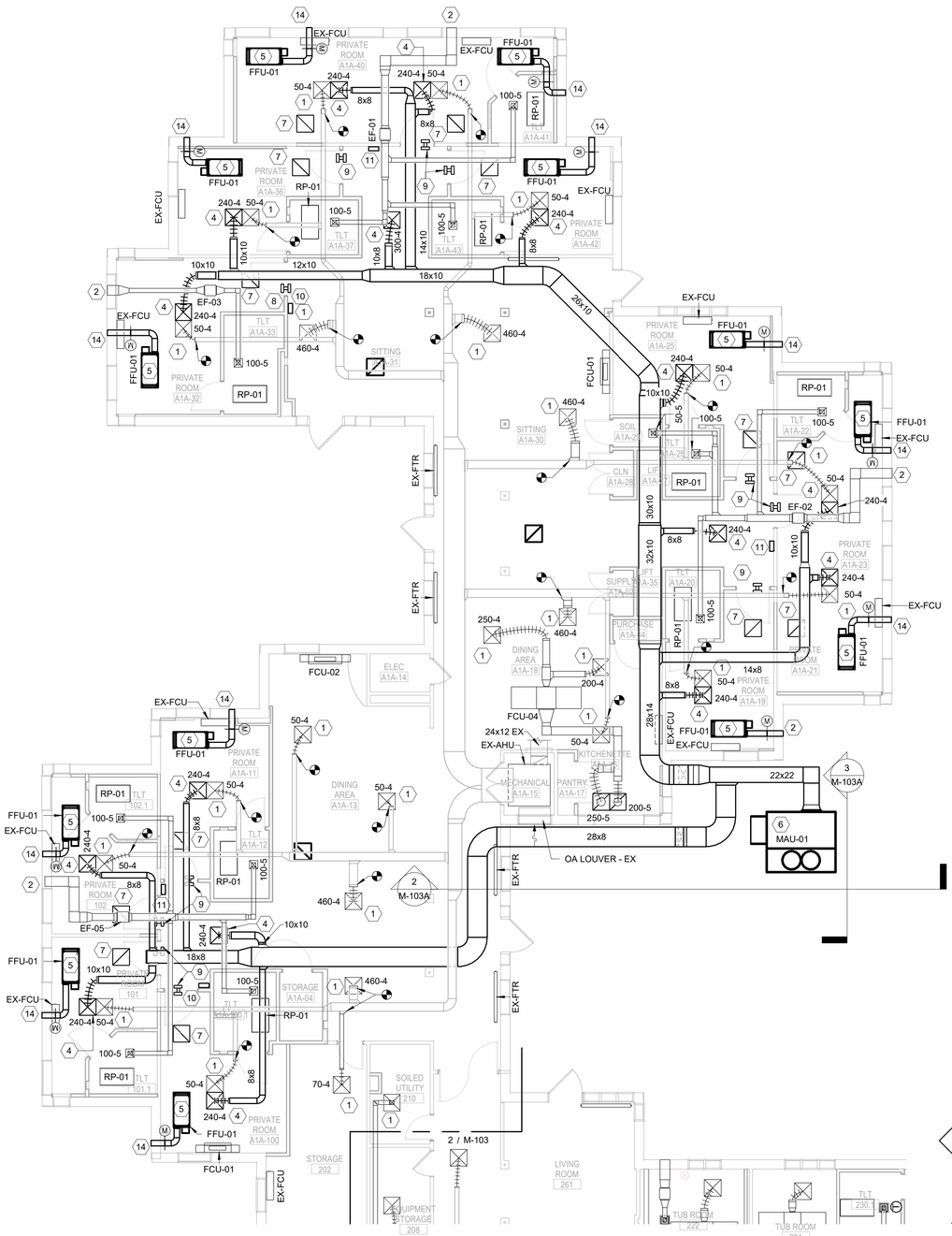
LEVEL 01 DUCTWORK PLAN - A WING

SHEET NUMBER:

M-103

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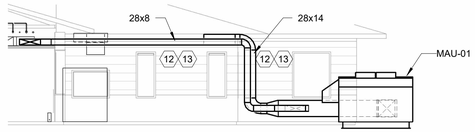
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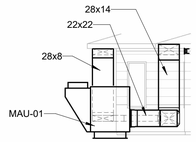
1 A WING HOME DUCTWORK PLAN - A1B ISOLATION PLAN
1/8" = 1'-0"

KEYED NOTES:

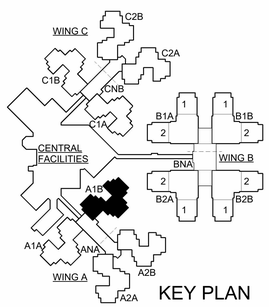
1. INSTALL NEW REGISTER AND RE-BALANCE TO PREVIOUSLY RECORDED VALUES UNLESS DIRECTED OTHERWISE. PROVIDE ALL NEW RIGID AND FLEXIBLE DUCTWORK, SUPPORTS, AND INSULATION FOR FULLY FUNCTIONING SYSTEM.
2. NEW 14"x6" EXHAUST LOUVER. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
3. REUSE EXTERIOR PENETRATION FOR NEW EXHAUST DUCT. PROVIDE NEW LOUVERS AT THESE PENETRATIONS.
4. ISOLATION MODE SUPPLY GRILLE.
5. ISOLATION MODE FAN FILTER UNIT. DURING ISOLATION, 750 CFM OF AIR IS PULLED OUT OF THE SPACE THROUGH THE FILTER. 300 CFM IS EXHASUTED OUT OF THE BUILDING THROUGH A 10"Ø DUCT. THE REMAINING 450 CFM IS DISCHARGED INTO THE PLENUM CEILING. SEE M-0602, DETAIL 6.
6. AIR HANDLING UNIT TO PROVIDE MAKE UP AIR DURING ISOLATION MODE. SEE M-0601, DETAIL 1.
7. CEILING MOUNTED PLENUM TRANSFER AIR DIFFUSER PROVIDED FOR ISOLATION MODE OPERATION OF FAN FILTER UNIT. PROVIDE 24X24 TYPE 5 TRANSFER AIR GRILLE WITH OPEN ENDED DUCT. SEE M-0501 DETAIL 10.
8. PRESSURE SENSOR. CONNECT TO SINGLE (1) ROOM PRESSURE MONITOR.
9. PRESSURE SENSOR. CONNECT TO THREE (3) ROOM PRESSURE MONITOR.
10. TSI PRESSURA MODEL RPM10 SINGLE ROOM PRESSURE MONITOR. SEE M-0603, DETAIL 2.
11. TSI PRESSURA MODEL RPM30 THREE (3) ROOM PRESSURE MONITOR. SEE M-0603, DETAIL 2.
12. ROUTE DUCT AS HIGH AS POSSIBLE ABOVE WINDOWS AND SUPPORT FROM WALL. (SEE DETAIL 1 - M-501)
13. EXTERIOR DUCT INSULATION SHALL BE 2" RIGID FIBERGLASS WITH ALUMAGUARD 60 JACKET. PROVIDE SLOPED INSULATION ON TOP OF DUCT TO DRAIN WATER.
14. NEW 24"x8" EXHAUST LOUVER. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.



2 MAKE-UP AIR UNIT - VIEW 1
1/8" = 1'-0"



3 MAKE-UP AIR UNIT - VIEW 2
1/8" = 1'-0"



KEY PLAN

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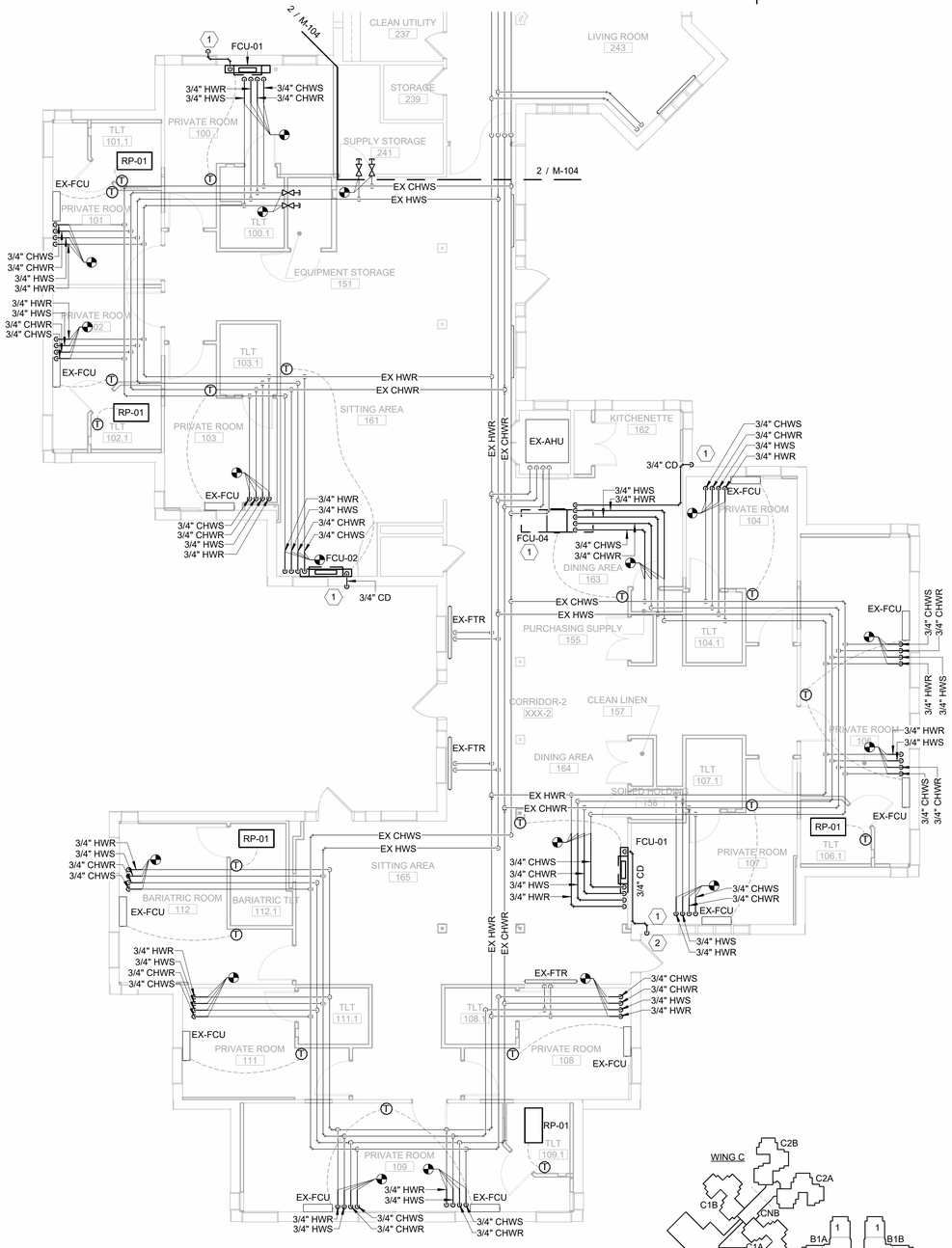
LEVEL 01 DUCTWORK PLAN - A1B ISOLATION WING

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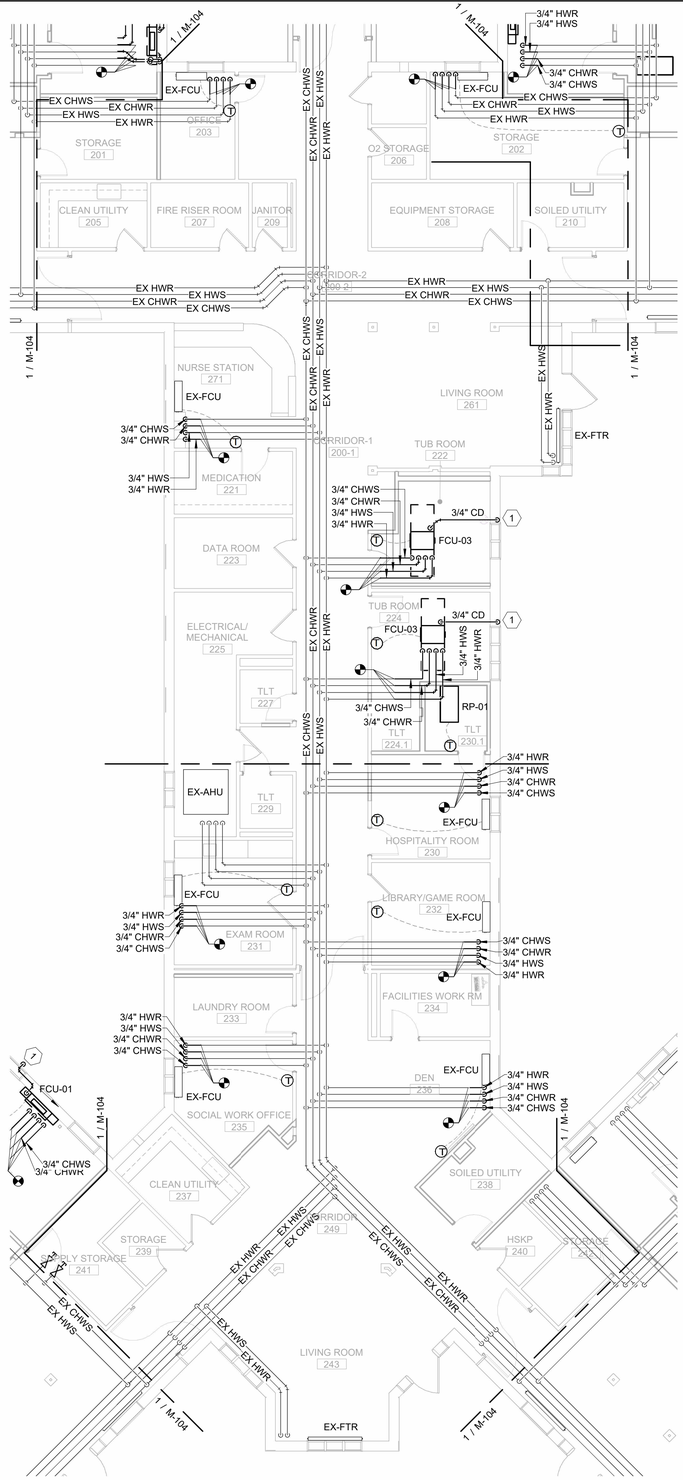
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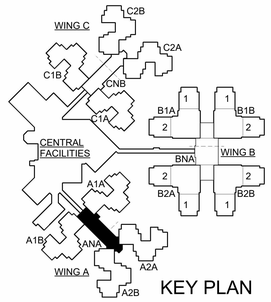
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1 A WING HOME HVAC PIPING PLAN - A2A SHOWN
1/8" = 1'-0"



2 A WING NBHD CTR HVAC PIPING PLAN - ANA SHOWN
1/8" = 1'-0"



GENERAL SHEET NOTES:

1. ALL NEW THERMOSTATS SHALL BE PROVIDED TO MATCH EXISTING C-WING THERMOSTATS.

KEYED NOTES:

1. ROUTE ALL NEW CONDENSATE DRAINS THROUGH THE EXTERIOR WALL AND TERMINATE AS SHOWN IN DETAIL 7/M-501. REUSE EXISTING PENETRATIONS WHERE EXISTING PENETRATIONS THROUGH EXTERIOR WALL ARE AVAILABLE AND DO NOT REQUIRE ANY ADDITIONAL REMOVAL OF INTERIOR WALLS. EXPOSED PIPING SHALL NOT BE USED.
2. CONNECT NEW CONDENSATE PIPING INTO EXISTING CONDENSATE PIPING WITHIN WALL BEFORE EXTERIOR WALL PENETRATION.

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Missouri State Certificate of Authority
Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION	DATE

ISSUE DATE: 06/26/2025

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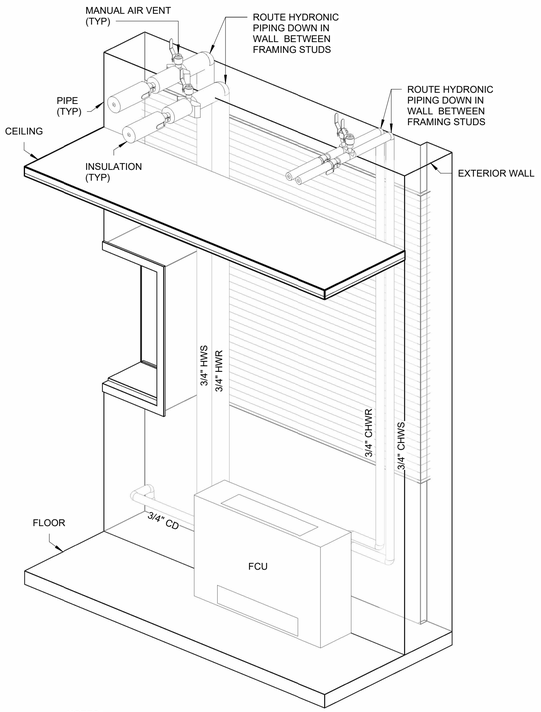
LEVEL 01 HVAC PIPING PLAN - A WING

SHEET NUMBER:

M-104

69 OF 93 SHEETS
06/26/2025

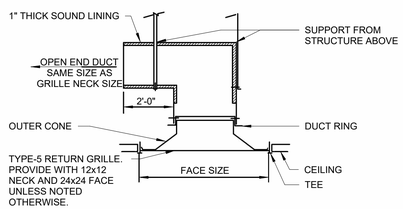
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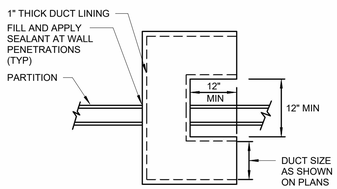
NOTES:

1. ALL HYDRONIC PIPING SPECIALTIES AND CONTROL VALVES SHALL BE LOCATED WITHIN FCU HOUSING FOR MAINTENANCE ACCESS. SEE DETAIL 1/M-602 FOR REQUIRED SPECIALTIES.

8 NEW FLOOR MOUNTED FCU PIPING COORDINATION
NTS



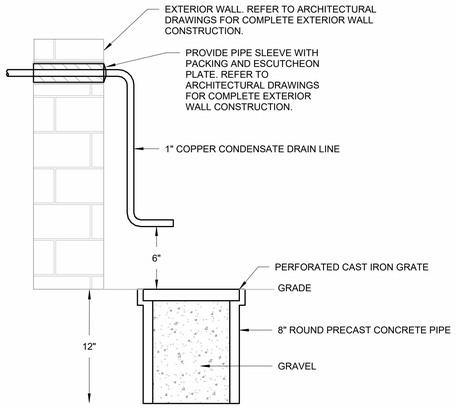
10 TYPE 5 RETURN AIR TRANSFER GRILLE
NTS



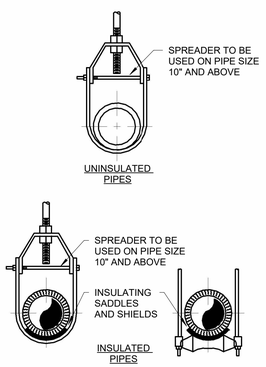
NOTES:

1. SUPPORT ATD FROM STRUCTURE ABOVE.
2. INSTALL 12x12 ATD UNLESS NOTED OTHERWISE.

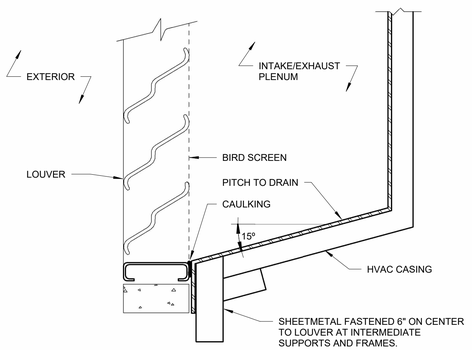
9 RETURN AIR PLENUM AIR TRANSFER DUCT (ATD)
NTS



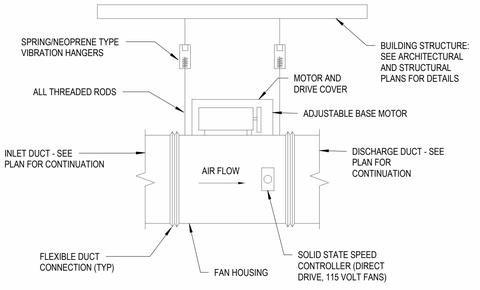
7 OUTSIDE CONDENSATE DRAIN DETAIL
NTS



6 PIPE SUPPORT AND HANGER DETAIL
NTS



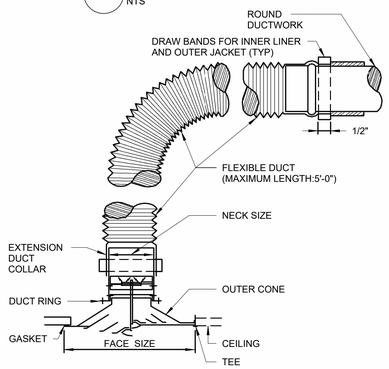
11 INTAKE/EXHAUST PLENUM TO LOUVER CONNECTION
NTS



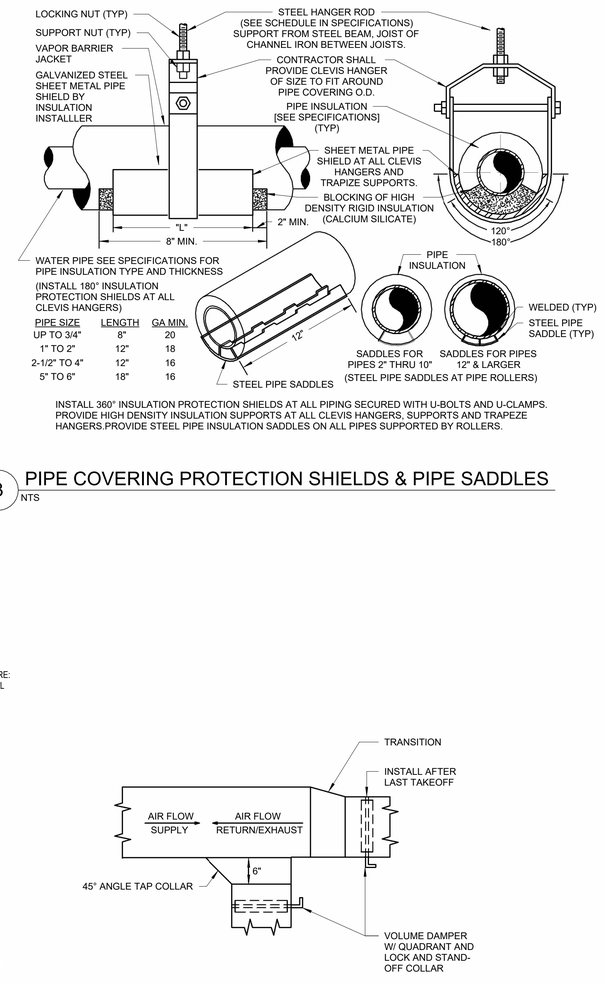
NOTES:

1. ENSURE ALL INLET AND OUTLET CONDITIONS MEET THE REQUIREMENTS OF THE MANUFACTURERS RECOMMENATIONS AND INSTALLATION MANUALS.

5 INLINE EXHAUST DETAIL
NTS



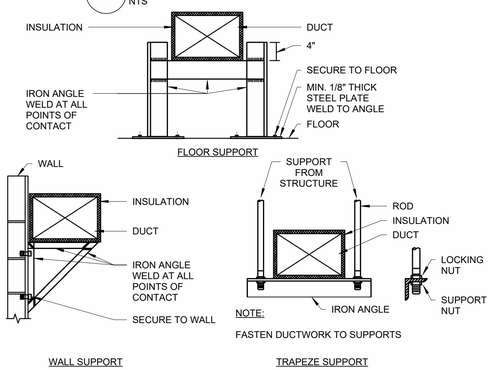
4 TYPE 4 CEILING DIFFUSER
NTS



INSTALL 360° INSULATION PROTECTION SHIELDS AT ALL PIPING SECURED WITH U-BOLTS AND U-CLAMPS. PROVIDE HIGH DENSITY INSULATION SUPPORTS AT ALL CLEVIS HANGERS, SUPPORTS AND TRAPEZE HANGERS.PROVIDE STEEL PIPE INSULATION SADDLES ON ALL PIPES SUPPORTED BY ROLLERS.

3 PIPE COVERING PROTECTION SHIELDS & PIPE SADDLES
NTS

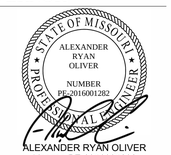
2 DUCT TAKE-OFF
NTS



1 DUCTWORK SUPPORT DETAIL
NTS

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DETAILS

SHEET NUMBER:
M-501

70 OF 93 SHEETS
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FAN COIL UNIT SCHEDULE

UNIT NO	QTY	CONFIG	TOTAL CFM	COOLING COIL									HEATING COIL								ELECTRICAL DATA						EMERGENCY POWER	WEIGHT (LBS)	DIMENSIONS HxWxL (IN)	FILTER	BASIS OF DESIGN			REMARKS
				TOTAL COOLING (MBH)	SENSIBLE CAPACITY	MIN ROWS	EAT DB/WB (°F)	LAT DB/WB (°F)	GPM	EWT (°F)	LWT (°F)	MAX WPD (FT)	CAPACITY (MBH)	MIN ROWS	EAT DB (°F)	LAT DB (°F)	GPM	EWT (°F)	LWT (°F)	MAX WPD (FT)	HP	V/PH/HZ	MOPD	FLA	MCA					MERV	MANUFACTURER	MODEL	
FCU-01	8	FLOOR MOUNTED	430	10.1	9.3	4	75/63	55/55	1.9	45	55	4.0	20.0	1	60	103	1.9	180	160	10.2	0.25	115/1/60	15	-	4.4	NO	108	25x46x10	8	DAIKIN	FCVC104	1,2,3,4,5,6,7
FCU-02	4	FLOOR MOUNTED	435	10.1	8.8	3	75/63	56/55	2.0	45	55	4.5	34.4	2	60	132	3.5	180	160	16.9	0.25	115/1/60	15	-	4.4	NO	131	25x57x10	8	DAIKIN	FCVC106	1,2,3,4,5,6,7
FCU-03	2	HORIZONTAL CONCEALED	485	13.9	11.2	4	75/63	54/53	2.8	45	55	8.9	23.5	1	60	115	1.2	180	140	6.9	0.25	115/1/60	15	-	4.4	NO	94	10x47x20	8	DAIKIN	FCHH206	1,2,3,4,5,6,7
FCU-04	4	HORIZONTAL CONCEALED	485	14.6	11.4	4	75/63	53/53	3.0	45	55	7	16.5	1	60	101	1.0	180	140	3.9	0.25	115/1/60	15	-	4.4	NO	94	10x47x20	8	DAIKIN	FCC-10	1,2,3,4,5,6,7

REMARKS:
1. PROVIDE WITH 120V CONDENSATE PUMP, BASIS OF DESIGN: DIVERSITECH CLEARVUE PUMP IQP-120.
2. PROVIDE WITH ECM MOTOR.
3. PROVIDE WITH LOCAL DISCONNECT.
4. PROVIDE WITH 24V CONTROL TRANSFORMER.
5. PROVIDE WITH 0-10VDC CONTROL VALVES.
6. COORDINATE CONTROL VALVES AND ACTUATOR PROCUREMENT BETWEEN MANUFACTURER AND DDC CONTRACTOR.
7. COORDINATE UNIT PIPING CONNECTION LOCATIONS WITH PIPING DROP LOCATIONS IN WALL.

FAN SCHEDULE

UNIT NO	QTY	TYPE	NOMINAL AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN. WC)	DRIVE	MOTOR						EMERGENCY POWER	WEIGHT	BASIS OF DESIGN		REMARKS
						BHP	HP	RPM	VFD	V/PH/HZ				MANUFACTURER	MODEL	
EF-01	4	INLINE	300	1.0	DIRECT	0.24	3/4	1815	NO	120/1/60		NO	60	GREENHECK	SQ-98-VG	1, 2, 3
EF-02	4	INLINE	350	1.0	DIRECT	0.23	1/4	1715	NO	120/1/60		NO	50	GREENHECK	SQ-98-VG	1, 2, 3
EF-03	6	INLINE	100	1.0	DIRECT	0.14	1/2	1730	NO	120/1/60		NO	50	GREENHECK	SQ-97-VG	1, 2, 3
EF-04	1	INLINE	170	1.0	DIRECT	0.2	1/2	1880	NO	120/1/60		NO	50	GREENHECK	SQ-97-VG	1, 2, 3
EF-05	5	INLINE	400	1.0	DIRECT	0.24	3/4	1815	NO	120/1/60		NO	60	GREENHECK	SQ-98-VG	1, 2, 3

REMARKS:
1. PROVIDE 24V TO 10V TRANSFORMERS FOR EACH FAN.
2. PROVIDE WITH ECM MOTOR.
3. PROVIDE WITH LOCAL DISCONNECT.

RADIANT PANEL SCHEDULE

UNIT NO	QTY	TYPE	ELECTRICAL DATA			WEIGHT (LBS)	BASIS OF DESIGN		REMARKS
			KW	V/PH/HZ	FLA		MANUFACTURER	MODEL	
RP-01	21	RADIANT ELECTRIC	0.75	120/1/60	6.3	28	QMARK	CP751F	1

REMARKS:
1. SEE FLOOR PLANS FOR QUANTITY OF UNITS.

AIR DEVICE SCHEDULE

TYPE	SERVICE	STYLE	FACE SIZE (IN)	NECK SIZE (IN)	AIR FLOW RANGE (CFM)	NUMBER OF SLOTS & SLOT WIDTH	REMARKS
1, 2, 3, 4	SUPPLY	PLAQUE	24 x 24	6" Ø	0 - 100	--	1
1, 2, 3, 4	SUPPLY	PLAQUE	24 x 24	8" Ø	101 - 175	--	1
1, 2, 3, 4	SUPPLY	PLAQUE	24 x 24	10" Ø	176 - 250	--	1
1, 2, 3, 4	SUPPLY	PLAQUE	24 x 24	12" Ø	251 - 350	--	1
1, 2, 3, 4	SUPPLY	PLAQUE	24 x 24	14" Ø	351 - 450	--	1
5	RETURN/EXHAUST	PLAQUE	12 x 12	6" Ø	0 - 100	--	1
5	RETURN/EXHAUST	PLAQUE	24 x 24	6" Ø	0 - 100	--	1
5	RETURN/EXHAUST	PLAQUE	24 x 24	8" Ø	101 - 200	--	1
5	RETURN/EXHAUST	PLAQUE	24 x 24	10" Ø	201 - 325	--	1
5	RETURN/EXHAUST	PLAQUE	24 x 24	12" Ø	326 - 450	--	1
5	RETURN/EXHAUST	PLAQUE	24 x 24	14" Ø	451 - 600	--	1
5	RETURN/EXHAUST	PLAQUE	24 x 24	15" Ø	601 - 950	--	1

REMARKS:
1. WHERE NEW DIFFUSERS/REGISTERS ARE BEING ADDED TO A SPACE WITH EXISTING TO REMAIN REGISTERS, MATCH NEW DIFFUSERS/REGISTERS TO EXISTING STYLE.

MAKE UP AIR HANDLING UNIT SCHEDULE

UNIT NO.	SUPPLY FAN					COOLING SECTION							DX REHEAT		ELECTRIC HEATING				FILTERS		ELECTRICAL DATA			EMERGENCY POWER	UNIT DIMENSIONS	UNIT WEIGHT	BASIS OF DESIGN		REMARKS
	TOTAL/ OA CFM	TSP (IN WC)	ESP (IN WC)	BHP	HP	CAPACITY (MBH)		EAT		LAT		REFRIG. TYPE	CAPACITY (MBH)	LAT (°F)	CAPACITY (KW)	CONTROL	EAT DB (°F)	LAT DB (°F)	PREFILTER MERV	FINAL FILTER MERV	V/PH/HZ	MCA	MOCP				MANUFACTURER	MODEL	
						TOTAL	SENSIBLE	DB °F	WB °F	DB °F	WB °F																		
MAU-01	4360	1.22	1	2 @ 0.64	2 @ 1	370.6	208.2	96.2	76.7	52	51.8	R454B	214.6	70.0	120	SCR	7	70.0	8	13	208/3/60	310.2	350	NO	155x98x110	5069	GREENHECK	RV-75-30-1	1,2,3,4,5,6

REMARKS:
1. PROVIDE WITH WEATHERPROOF MAIN DISCONNECT SWITCH, SINGLE POINT CONNECTION.
2. PROVIDE WITH CONTROLS COMPATIBLE WITH FACILITY BMS.
3. PROVIDE WITH DIGITAL COMPRESSOR AND HOT GAS REHEAT COIL.
4. PROVIDE WITH FREEZESTAT.
5. UNIT SHALL HAVE A MAXIMUM OUTDOOR SOUND LEVEL OF 96 Db.
6. BALANCE UNIT AIRFLOW TO 3,900 CFM.

FAN FILTER UNIT SCHEDULE

UNIT	UNIT SIZE	MAX CFM	ELECTRICAL DATA		CFM AT 90 FPM	SOUND AT 90 FPM (dBA)	WEIGHT	BASIS OF DESIGN		REMARKS
			WATTS	V/PH/HZ				MANUFACTURER	MODEL	
FFU-01	24" x 48"	750	185	120/60/1	480	54	74	PRICE	PURA-FLO RSR - REVERSE FLOW	1,2,3,4,5,6

REMARKS:
1. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
2. PROVIDE HANGER BRAKETS
3. PROVIDE BACnet FLOW CONTROLLER WITH MOTOR AND FILTER STATUS.
4. ROOMSIDE ACCESS FOR FILTER REPLACEMENT AND MAINTENANCE.
5. UNIT SHALL BE REVERSE FLOW TYPE WITH 2 OUTLETS. CONNECT 1 OUTLET TO EXHAUST DUCT TO EXTERIOR AND 2ND OUTLET BE OPEN TO CEILING PLENUM.
6. SEE FLOOR PLANS FOR QUANTITY OF UNITS.

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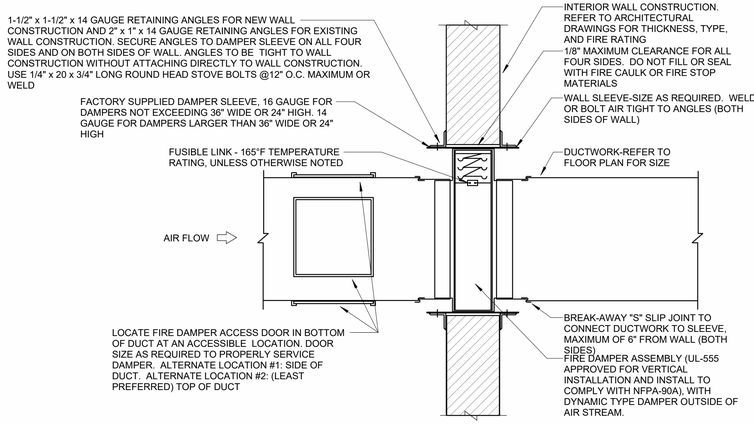
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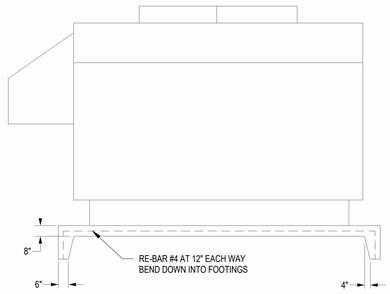
NOTES:

1. FOLLOW THIS DETAIL, UNLESS THE DAMPER MANUFACTURER'S INSTALLATION DETAILS AND INSTRUCTIONS (AS TESTED AND APPROVED BY UL) OR THE PROJECT SPECIFICATION IS MORE STRINGENT.
2. LABEL THE ACCESS DOORS: "FIRE DAMPER ACCESS".
3. WHERE ACCESS DOORS ARE INSTALLED ON THE SIDE OF A DUCT, PROVIDE A LABEL OR SIGN AT THE BOTTOM OF THE DUCT WITH AN ARROW AND "FIRE/SMOKE DAMPER ACCESS DOOR" TEXT POINTING TO THE ACCESS DOOR.
4. WHERE ACCESS DOORS ARE INSTALLED ON THE TOP OF THE DUCT, PROVIDE A LABEL OR SIGN AT THE BOTTOM OF THE DUCT WITH "FIRE/SMOKE DAMPER ACCESS DOOR ON TOP OF DUCT."
5. SEQUENCE OF OPERATION:
   A. FIRE DAMPER MODE: HIGH TEMPERATURE MELTS FUSIBLE LINK, CLOSING FIRE DAMPER.

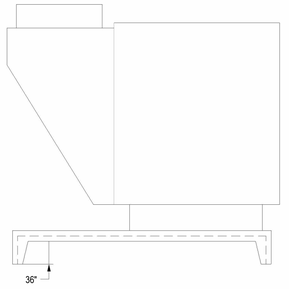
   REFER TO FIRE DAMPER SCHEDULE FOR FURTHER INFORMATION.

KEYED NOTES:

1. TIE IN NEW CONTROL DEVICES INTO EXISTING SCHNEIDER ELECTRIC ECOSTRUXURE ENTERPRISE SERVER.



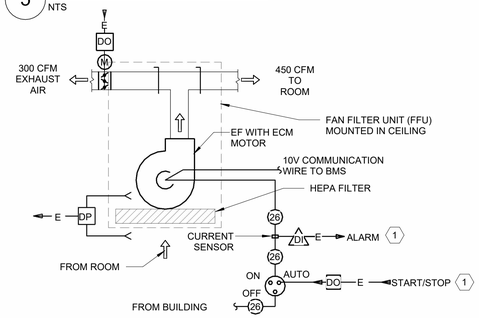
SIDE VIEW



FRONT VIEW

NOTE:
MAKE CONCRETE BASE PAD 4" LARGER ALL AROUND THAN EQUIPMENT BASE, CONSTRUCT FROM APPROVED SHOP DRAWINGS

5 FIRE DAMPER DETAIL
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SEQUENCE OF OPERATION

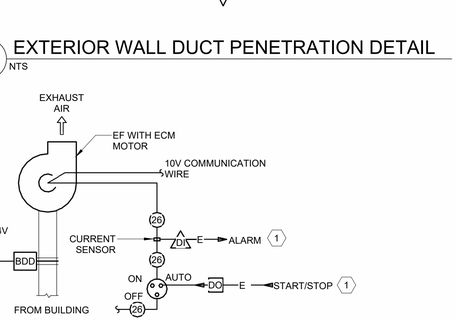
AUTOMATIC CONTROL
1. FAN FILTER UNIT SHALL OPERATE CONTINUOUSLY AT A CONSTANT AIRFLOW AS COMMANDED BY BMS.
2. EXHAUST DAMPER SHALL OPEN WHEN FAN FILTER UNIT STARTS.

ALARM MONITORING
AN ALARM WILL BE GENERATED AT THE BMS IF ANY OF THE FOLLOWING OCCUR:
1. FAN FAILURE
2. DIRTY FILTER

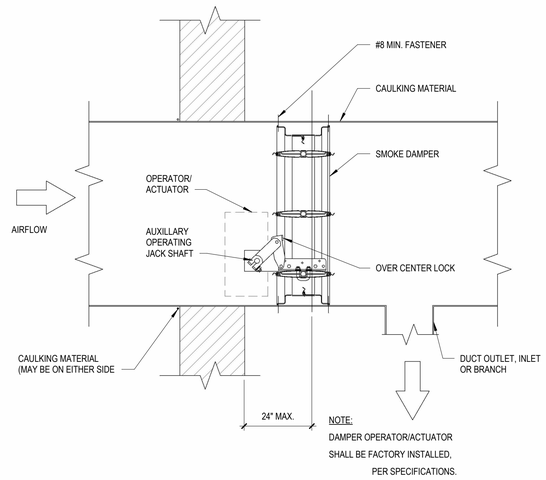
7 CONCRETE EQUIPMENT PAD DETAIL
NTS

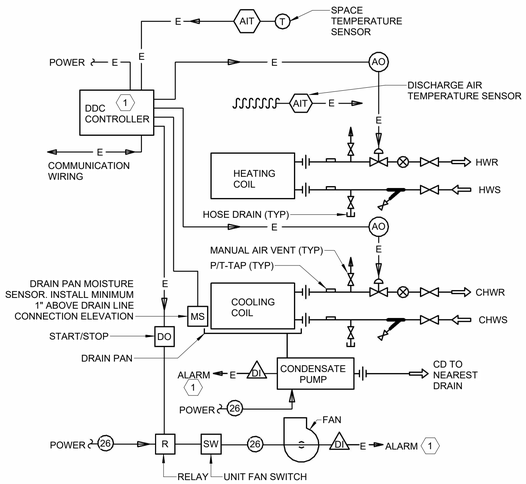
6 FAN FILTER UNIT CONTROL DIAGRAM
NTS

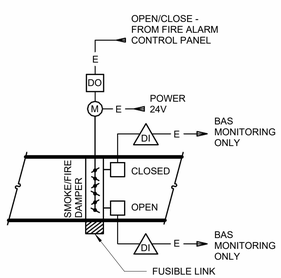
8 EXTERIOR WALL DUCT PENETRATION DETAIL
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9 Smoke Damper Detail
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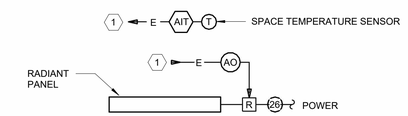
GENERAL EXHAUST FAN SEQUENCE OF OPERATION

MODE OF OPERATION
GENERAL EXHAUST FANS SHALL BE PROVIDED WITH 2 MODES OF OPERATION: MANUAL CONTROL AND AUTOMATIC CONTROL.

MANUAL CONTROL
FAN SHALL RUN AT A CONSTANT SPEED CONTROLLED AT THE BMS.

AUTOMATIC CONTROL
EXHAUST FAN SHALL OPERATE CONTINUOUSLY AT A CONSTANT SPEED AS COMMANDED BY BMS.

ALARM MONITORING
AN ALARM WILL BE GENERATED AT THE BMS IF ANY OF THE FOLLOWING OCCUR:
1. FAN FAILURE



RADIANT PANEL SEQUENCE OF OPERATION

MODE OF OPERATION
THE RADIANT PANEL MODE OF OPERATION SHALL BE OCCUPIED OR UNOCCUPIED BASED ON A SCHEDULE COMMUNICATED FROM THE BMS OR AN OPERATOR OVERRIDE COMMAND FROM THE BMS.

OCCUPIED MODE
ON A DROP IN ROOM TEMPERATURE BELOW THE HEATING SETPOINT, THE RADIANT PANEL SHALL BE ENGAGED. UPON A RISE IN ROOM TEMPERATURE ABOVE THE HEATING SETPOINT, THE RADIANT PANEL SHALL BE DISENGAGED.

THE SPACE HEATING SETPOINT SHALL BE EQUAL TO THE SPACE TEMPERATURE SETPOINT MINUS 2.5°F.

UNOCCUPIED MODE
ON A DROP IN ROOM TEMPERATURE BELOW THE HEATING SETPOINT, THE RADIANT PANEL SHALL BE ENGAGED. UPON A RISE IN ROOM TEMPERATURE ABOVE THE HEATING SETPOINT, THE RADIANT PANEL SHALL BE DISENGAGED.

THE UNOCCUPIED SPACE TEMPERATURE SETPOINTS SHALL BE 65°F SPACE HEATING SETPOINT.

SETPOINTS AND PARAMETERS
ALL CONTROL BANDS, SETPOINTS, SETPOINT LIMITS, SETPOINT INCREMENT VALUES, SETPOINT DECREMENT VALUES, TIME DELAYS, AND OTHER PARAMETERS SHALL BE ADJUSTABLE FROM THE BMS. ALL PARAMETERS SHALL BE COMMISSIONED BY THE BMS CONTRACTOR TO PROVIDE STABLE CONTROL OF ALL SYSTEMS.

ALARM MONITORING
AN ALARM WILL BE GENERATED AT THE BMS IF ANY OF THE FOLLOWING OCCUR:
1. HIGH SPACE TEMPERATURE ALARM
2. LOW SPACE TEMPERATURE ALARM

4-PIPE FAN COIL UNIT SEQUENCE OF OPERATION

MODE OF OPERATION
THE FAN COIL UNIT MODE OF OPERATION SHALL BE OCCUPIED OR UNOCCUPIED BASED ON A SCHEDULE COMMUNICATED FROM THE BMS OR AN OPERATOR OVERRIDE COMMAND FROM THE BMS.

OCCUPIED MODE
WHEN THE ROOM TEMPERATURE IS BETWEEN THE OCCUPIED HEATING AND COOLING SETPOINTS, THE HEATING VALVE SHALL BE CLOSED, THE COOLING VALVE SHALL BE CLOSED, AND THE FAN WILL BE DISABLED. ON A RISE IN ROOM TEMPERATURE ABOVE THE COOLING SETPOINT THE COOLING VALVE SHALL MODULATE OPEN, THE FAN SHALL ENABLE AND THE HEATING VALVE SHALL REMAIN CLOSED. ON A DROP IN ROOM TEMPERATURE BELOW THE HEATING SETPOINT, THE HEATING VALVE SHALL MODULATE OPEN, THE FAN SHALL ENABLE, AND THE COOLING VALVE SHALL REMAIN CLOSED.

THE SPACE COOLING SETPOINT SHALL BE EQUAL TO THE SPACE TEMPERATURE SETPOINT PLUS 1°F AND THE SPACE HEATING SETPOINT SHALL BE EQUAL TO THE SPACE TEMPERATURE SETPOINT MINUS 1°F.

UNOCCUPIED MODE
DURING THIS MODE THE FAN SHALL CYCLE OFF. ON A RISE IN ROOM TEMPERATURE ABOVE THE UNOCCUPIED COOLING SETPOINT THE FAN SHALL CYCLE ON, THE COOLING VALVE SHALL MODULATE OPEN, AND THE HEATING VALVE SHALL REMAIN CLOSED. ON A DROP IN ROOM TEMPERATURE BELOW THE UNOCCUPIED HEATING SETPOINT THE FAN SHALL CYCLE ON, THE HEATING VALVE SHALL MODULATE OPEN, AND THE COOLING VALVE SHALL REMAIN CLOSED.

THE UNOCCUPIED SPACE TEMPERATURE SETPOINTS SHALL BE 65°F SPACE HEATING SETPOINT AND 80°F SPACE COOLING SETPOINT.

SETPOINTS AND PARAMETERS
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SAFETIES IN ALL MODES
IN THE EVENT MOISTURE IS DETECTED BY THE DRAIN PAN MOISTURE SENSOR, THE UNIT FAN SHALL STOP, THE COOLING COIL CONTROL VALVE SHALL CLOSE, AND AN ALARM SHALL BE GENERATED AT THE BMS.

ALARM MONITORING
AN ALARM WILL BE GENERATED AT THE BMS IF ANY OF THE FOLLOWING OCCUR:
1. HIGH LEAVING AIR TEMPERATURE
2. LOW LEAVING AIR TEMPERATURE
3. HIGH SPACE TEMPERATURE ALARM
4. LOW SPACE TEMPERATURE ALARM
5. FAN MOTOR FAULT
6. CONDENSATE PUMP FAILURE
7. DRAIN PAN MOISTURE DETECTION

4 DUCT MOUNTED SMOKE FIRE DAMPER
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3 GENERAL EXHAUST FAN CONTROL DIAGRAM
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2 RADIANT PANEL CONTROL DIAGRAM
NTS

1 4-PIPE FAN COIL UNIT
NTS

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DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

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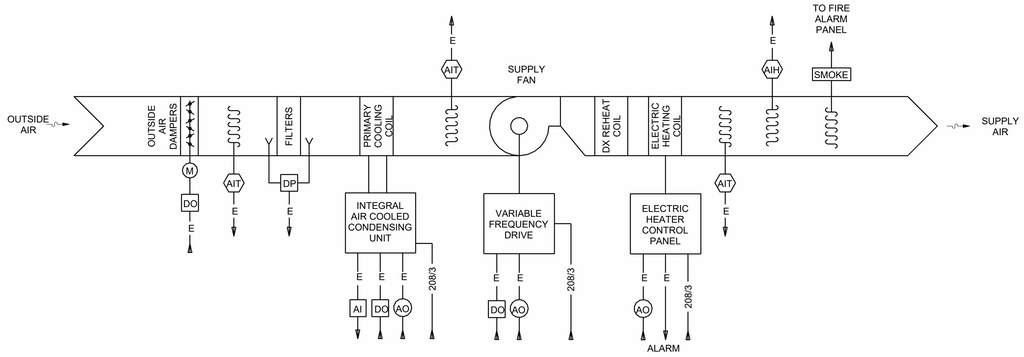
DETAILS AND CONTROL DIAGRAMS

SHEET NUMBER:

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MAKE UP AIR UNIT SEQUENCE OF OPERATION

1. UNIT SHALL BE STARTED VIA A SIGNAL FROM THE BUILDING BMS SYSTEM.

2. UPON A UNIT START COMMAND, THE FACTORY-MOUNTED MICROPROCESSOR CONTROLLER OPENS DAMPERS AND ENERGIZES THE FANS. HEATING, COOLING, AND DEHUMIDIFICATION ARE CONTROLLED TO MAINTAIN THE UNIT DISCHARGE TEMPERATURE SET POINT. FANS RUN AT A CONSTANT SPEED.

3. TEMPERATURE CONTROL (DISCHARGE): COOLING COIL/REHEAT COIL/HEATING COIL SHALL BE MODULATED BY THE UNIT INTEGRAL CONTROLLER TO MAINTAIN A DISCHARGE TEMPERATURE OF 70°F (ADJ.).

4. HUMIDITY CONTROL (DISCHARGE): UNIT'S INTEGRAL COOLING SEQUENCE PROVIDES DEHUMIDIFICATION TO 55 DEGREES F (ADJ.) WHEN THE OUTDOOR AIR TEMPERATURE IS GREATER THAN 65 DEGREES F (ADJ.).

NOTES:

1. MAU IS TO BE SINGLE POINT POWER CONNECTION TO INCLUDE ALL FANS, CONDENSING UNIT, ELECTRIC HEAT, AND CONTROL PANELS.

2. ON FAN SHUTDOWN FOR ANY REASON OUTSIDE AIR DAMPERS SHALL CLOSE.

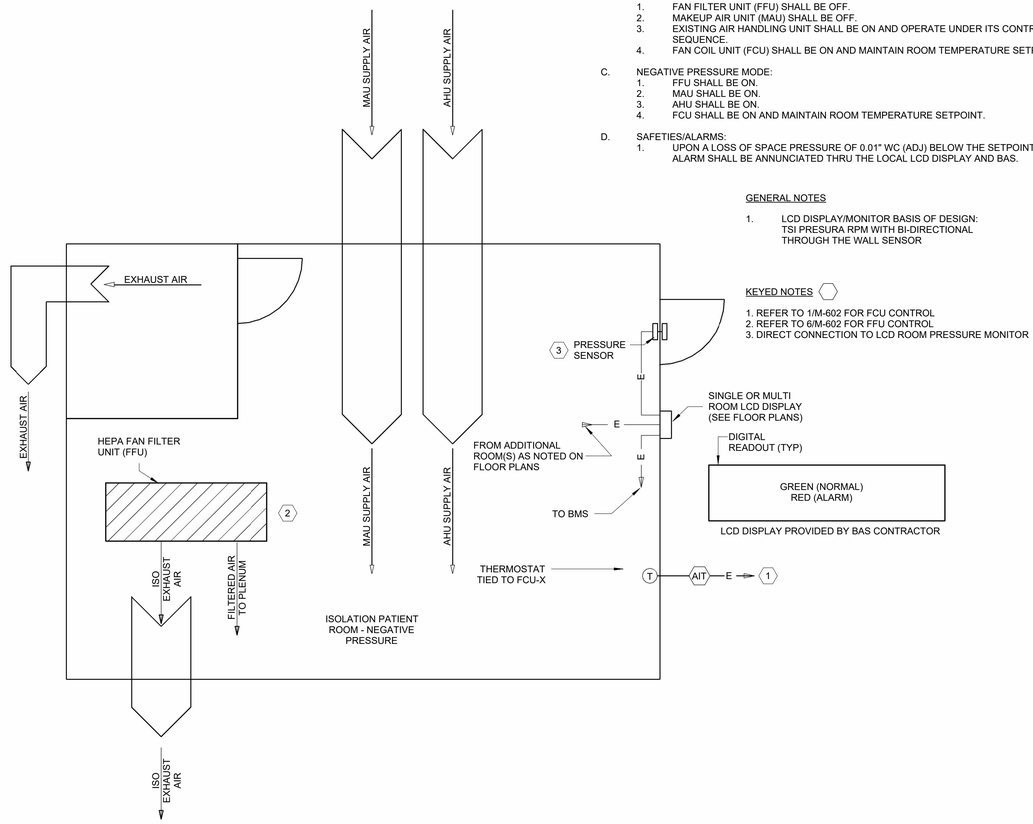
3. SMOKE DETECTOR IN THE SUPPLY DUCTWORK SHALL AUTOMATICALLY DE-ENERGIZE SUPPLY FAN.

4. THE FILTER DIFFERENTIAL PRESSURE SHALL GENERATE AN ALARM ANYTIME THE STATIC PRESSURE EXCEEDS 1.5" SP (ADJ).

5. MAU MANUFACTURER WILL PROVIDE AN INTEGRAL MAU DDC CONTROLLER WITH BACNET AND LONTALK CAPABILITIES. IT SHALL BE THE JOINT RESPONSIBILITY OF THE MAU MANUFACTURER, THE MECHANICAL CONTRACTOR AND THE BMS CONTRACTOR TO PROVIDE ALL DEVICES, HARDWARE, SOFTWARE, AND PROGRAMMING REQUIRED TO PERFORM ALL SEQUENCES LISTED ABOVE.

6. MAU DDC CONTROL PANEL IS TO GENERATE A GENERAL ALARM ONLY AT THE NETWORK SUPERVISORY CONTROLLER.

1 MAKEUP AIR UNIT MAU-01 FLOW & CONTROL DIAGRAM
NTS



2 ISOLATION ROOM CONTROL DIAGRAM
1/8" = 1'-0"

SEQUENCE OF OPERATION

A. SUPPLY AND EXHAUST AIR VOLUMES SHALL BE MAINTAINED AT A CONSTANT AIR VOLUME. IN NEGATIVE PRESSURE MODE, THE ROOM SHALL MAINTAIN A MINIMUM OF -0.02" WC NEGATIVE PRESSURE AS SENSED BY THE DIFFERENTIAL PRESSURE SENSORS. FINAL AIRFLOW OFFSET SHALL BE DETERMINED BY TAB CONTRACTOR.

B. NORMAL MODE:
1. FAN FILTER UNIT (FFU) SHALL BE OFF.
2. MAKEUP AIR UNIT (MAU) SHALL BE OFF.
3. EXISTING AIR HANDLING UNIT SHALL BE ON AND OPERATE UNDER ITS CONTROL SEQUENCE.
4. FAN COIL UNIT (FCU) SHALL BE ON AND MAINTAIN ROOM TEMPERATURE SETPOINT.

C. NEGATIVE PRESSURE MODE:
1. FFU SHALL BE ON.
2. MAU SHALL BE ON.
3. AHU SHALL BE ON.
4. FCU SHALL BE ON AND MAINTAIN ROOM TEMPERATURE SETPOINT.

D. SAFETIES/ALARMS:
1. UPON A LOSS OF SPACE PRESSURE OF 0.01" WC (ADJ) BELOW THE SETPOINT, AN ALARM SHALL BE ANNUNCIATED THRU THE LOCAL LCD DISPLAY AND BAS.

GENERAL NOTES

1. LCD DISPLAY/MONITOR BASIS OF DESIGN: TSI PRESURA RPM WITH BI-DIRECTIONAL THROUGH THE WALL SENSOR

KEYED NOTES

1. REFER TO 1/M-602 FOR FCU CONTROL
2. REFER TO 6/M-602 FOR FFU CONTROL
3. DIRECT CONNECTION TO LCD ROOM PRESSURE MONITOR

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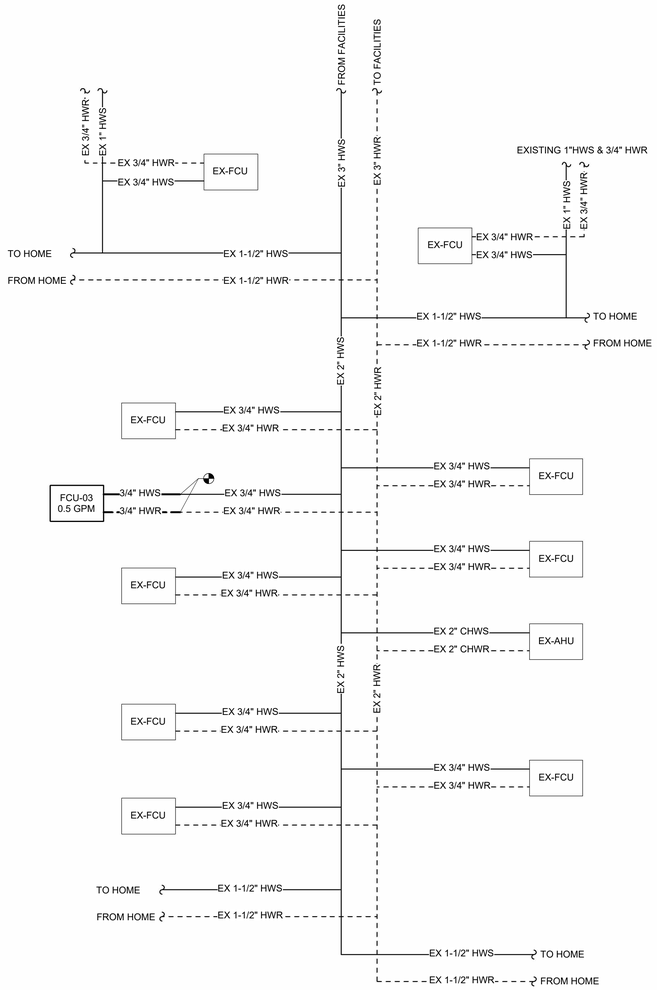
AHU CONTROL DIAGRAMS

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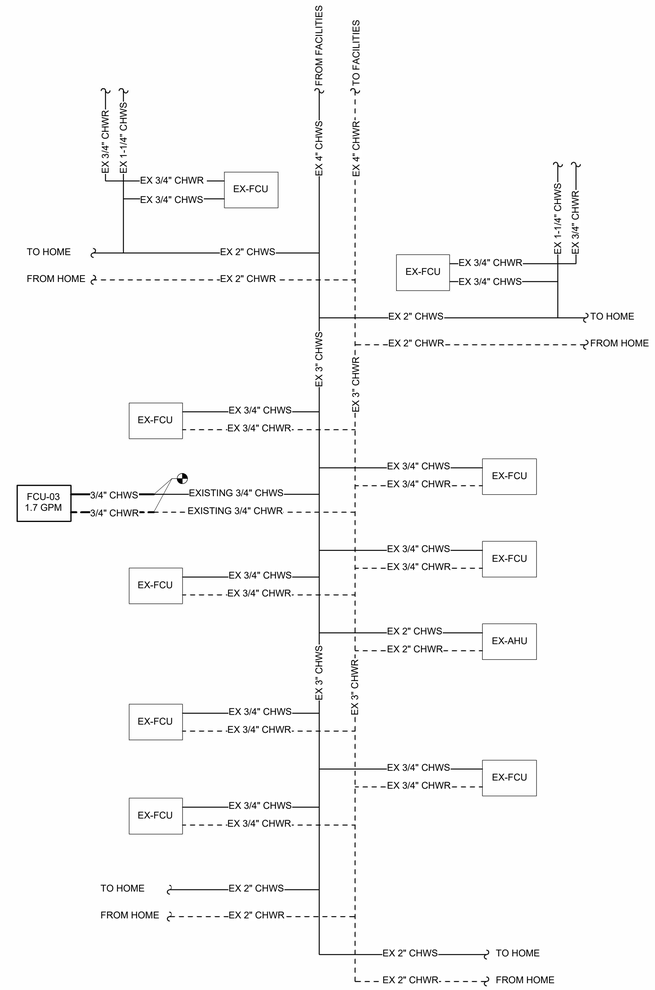
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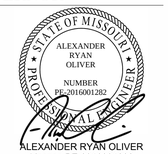
4 WING A - NEIGHBORHOOD CENTER - HEATING HOT WATER FLOW DIAGRAM
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2 WING A - NEIGHBORHOOD CENTER - CHILLED WATER FLOW DIAGRAM
NTS

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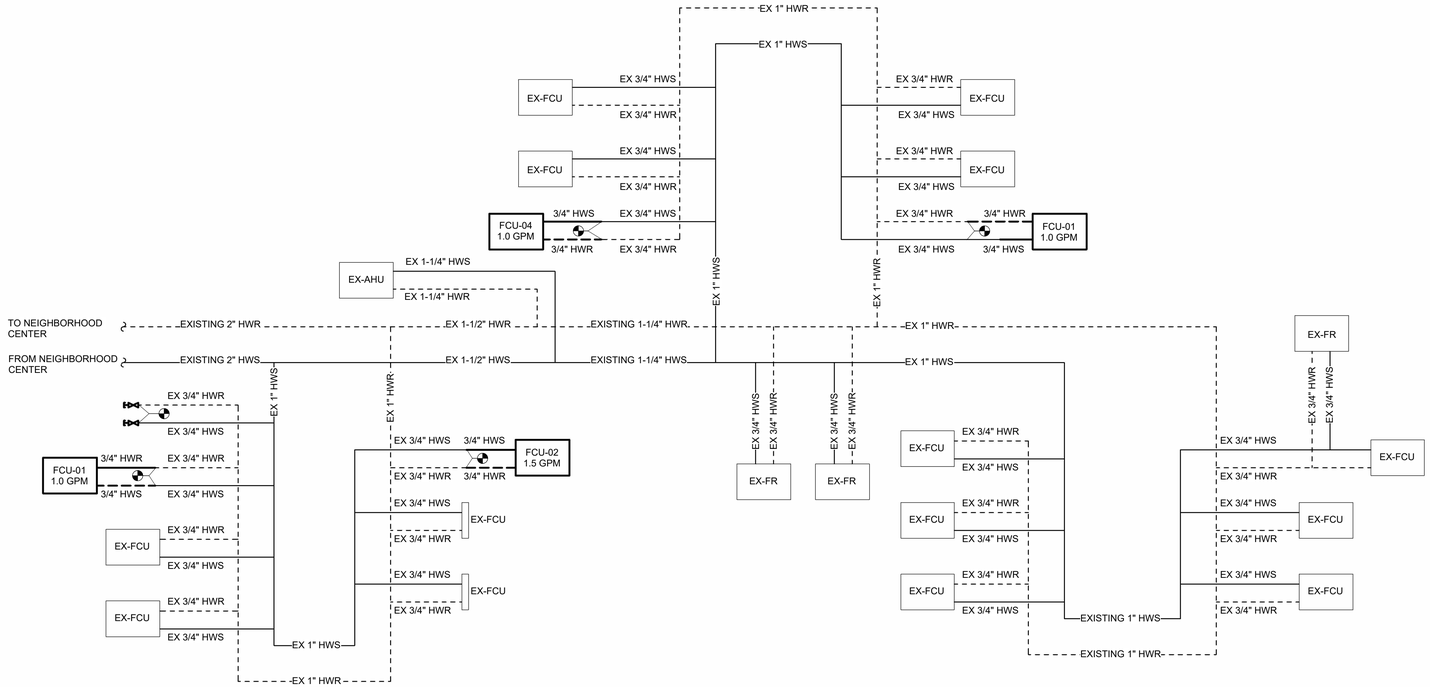
AIR AND WATER FLOW DIAGRAMS

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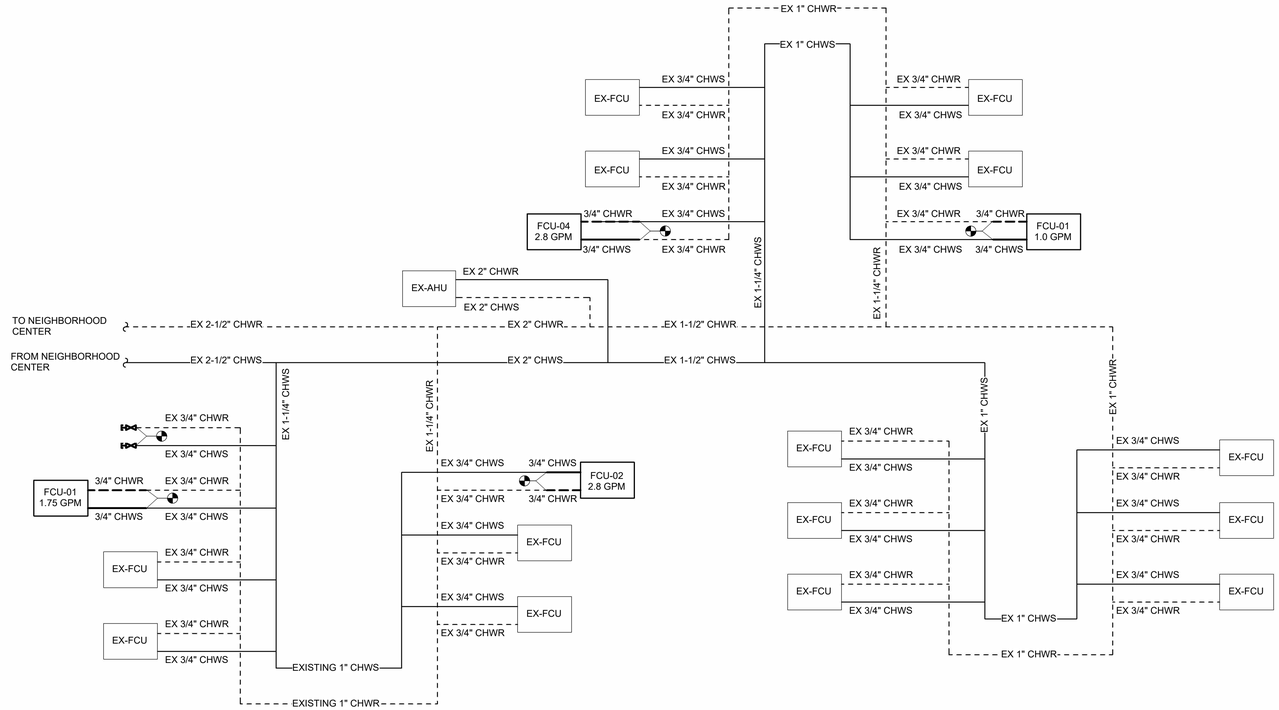
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2 WING A - TYPICAL HOME HEATING HOT WATER FLOW DIAGRAM
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1 WING A - TYPICAL HOME CHILLED WATER FLOW DIAGRAM
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AIR AND WATER FLOW DIAGRAMS

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'E' SERIES GENERAL NOTES

A. FOR EXACT LOCATION AND FINISH SURFACE CONDITIONS OF CEILING, WALL, FLOOR MOUNTED DEVICES, REFER TO ARCHITECTURAL DRAWINGS.

B. FOR EXACT LOCATION OF FACILITY EXPANSION JOINTS, FIRE RATED WALLS AND SMOKE WALLS, REFER TO ARCHITECTURAL DRAWINGS.

C. FOR EXACT LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS, WATER FLOW SWITCHES AND TAMPER SWITCHES REFER TO HVAC / FP DRAWINGS.

D. VERIFY EXACT LOCATION OF CONNECTION POINTS PRIOR TO CONNECTION.

E. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE OR EQUIPMENT, UNO.

F. PROVIDE RACEWAY, WIRE AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED BRANCH CIRCUITS FROM DEVICE(S) TO FINAL OVERCURRENT DEVICE AND TO LOCAL CONTROL DEVICE(S) PER SPECIFICATIONS.

G. MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE #12 AWG EXCEPT LIFE SAFETY BRANCH CIRCUIT WIRING WHICH SHALL BE MINIMUM #10 AWG. MAINTAIN MAXIMUM BRANCH CIRCUIT CONDUCTOR LENGTHS AS PER SPECIFICATIONS AND SCHEDULED ON THIS DRAWING. INCLUDE GROUND CONDUCTOR DERATINGS.

H. PROVIDE GROUNDING PER NEC. ALSO PROVIDE GREEN GROUND WIRE IN ALL BRANCH AND FEEDER CIRCUITS SIZED PER NEC.

I. THE SPACE ABOVE THE CEILING IS LIMITED AND THE INSTALLATION OF WORK WILL BE TIGHT. DUE TO THIS, IT IS IMPORTANT THAT THE TRADE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THEIR WORK (IE: DUCTWORK, TERMINAL UNITS, PIPING, ETC) WITH THE EXISTING CEILING SYSTEM HEIGHT AND CONSTRUCTION, THE STRUCTURAL SYSTEM, THE LIGHTING FIXTURES, THE SPRINKLER HEADS/MAINS, AND THE PLUMBING PIPES. ROUTE DUCTWORK AND PIPING AS HIGH AS POSSIBLE. LOCATE TERMINAL UNITS BETWEEN STRUCTURAL BEAMS AND MAINTAIN PROPER SERVICE ACCESS CLEARANCES.

J. DO NOT INSTALL ANY NEW MECHANICAL WORK DIRECTLY ABOVE ANY ELECTRICAL PANELS AND TRANSFORMERS.

K. CIRCUIT NUMBERS SHOWN FOR EQUIPMENT WIRED TO EXISTING PANELBOARD(S) IS SHOWN FOR DESIGN INTENT ONLY AND MAY NOT CORRESPOND TO ACTUAL CIRCUIT BREAKER MOUNTING POSITION IN THE PANEL. UPDATE THE AS-BUILT DRAWINGS WITH THE ACTUAL CIRCUIT NUMBERS USED TO CORRESPOND TO THE PANEL DIRECTORY.

L. CONFIRM ALL LABELS AND ROOM NUMBERS WITH OWNER PRIOR TO FINALIZING LABELING AND PROGRAMMING.

M. COORDINATE FINAL OUTLET LOCATION WITH ALL TRADES AND FURNITURE/MILLWORK PLACEMENT PRIOR TO ROUGH-IN.

N. INSTALL DATA OUTLETS 6" AWAY FROM ASSOCIATED ELECTRICAL OUTLET.

ABBREVIATIONS

A	AMPERE
AFCI	ARC-FAULT CIRCUIT INTERRUPTING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AM	AMMETER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BKBD	BACKBOARD
BKR	BREAKER
BPS	BOLTED PRESSURE SWITCH
C	CONDUIT
CATV	CABLE ANTENNA TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CM	CONSTRUCTION MANAGER
COAX	COAXIAL
CT	CURRENT TRANSFORMER
CTTS	CLOSE TRANSITION TRANSFER SWITCH
CU	COPPER
DC	DIRECT CURRENT
DIA	DIAMETER
DIV	DIVISION
DN	DOWN
DO	DRAWOUT
DS	DISCONNECT SWITCH
DSP	DIGITAL SIGNAL PROCESSOR
DVD	DIGITAL VERSATILE DISC
DVR	DIGITAL VIDEO RECORDER
DVS	DIGITAL VIDEO SURVEILLANCE
DWG	DRAWING
EA	EACH
EF	EXHAUST FAN
ELEC	ELECTRIC
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
EO	EQUIPMENT BY OWNER
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
FA	FIRE ALARM
FACU	FIRE ALARM CONTROL UNIT
FBO	FURNISHED BY OWNER
FLR	FLOOR
FPU	FIELD PROCESSING UNIT
FS	FUSED SWITCH
GA	GAUGE
GE	GROUNDING EQUALIZER CONDUCTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTING
GFI	GROUND FAULT INTERRUPTING
GFR	GROUND FAULT RELAY
GFRT	GROUND FAULT RELAY TEST PANEL
GND	GROUND
HF	HARMONIC FILTER
HOA	HAND OFF AUTO
HP	HORSEPOWER
HTR	HEATER
HV	HIGH VOLTAGE
HZ	HERTZ (CYCLES/SECOND)
ICC	INTERMEDIATE CROSS CONNECT
ID	INSIDE DIAMETER
IMC	INTERMEDIATE METAL CONDUIT
IP	INTERNET PROTOCOL
IR	INFRARED
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LA	LIGHTNING ARRESTOR
LAN	LOCAL AREA NETWORK
LCD	LIQUID CRYSTAL DISPLAY
LED	LIGHT EMITTING DIODE
LS	LIFE SAFETY
LTD	LONG TIME DELAY
LTG	LIGHTING
LV	LOW VOLTAGE
MAG	MAGNETIC
MAN	MANUAL
MAX	MAXIMUM
MATV	MASTER ANTENNA TELEVISION
MCA	MINIMUM CIRCUIT AMPERES
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCS	MOLDED CASE SWITCH
MCP	MOTOR CIRCUIT PROTECTOR
MECH	MECHANICAL
MFS	MAIN FUSED SWITCH
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
N	NEUTRAL
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OC	ON CENTER
OCPD	OVERCURRENT PROTECTIVE DEVICE
OD	OUTSIDE DIAMETER
OH	OVERHEAD
P	POLE
PA	PUBLIC ANNOUNCEMENT
PB	PULLBOX/PUSHBUTTON
PC	PERSONAL COMPUTER
PCU	PACKAGED CONTROL UNIT
PH	PHASE
PNL	PANELBOARD
PLC	PROGRAMMABLE LOGIC CONTROLLER
PoE	POWER OVER ETHERNET
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PTZ	PAN TILT ZOOM
PVC	POLYVINYL CHLORIDE
PWR	POWER
RCP	REFLECTED CEILING PLANS
RCPT	RECEPTACLE
RE	REFER TO
REF	REFRIGERATOR
RF	RETURN FAN
RFID	RADIO FREQUENCY IDENTIFICATION DEVICE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RTLS	REAL TIME LOCATION SYSTEM
SCHED	SCHEDULE
SEC	SECONDARY
SF	SUPPLY FAN
SH	SHEET
SP	SINGLE POLE
SPC	SPACE
SPEC	SPECIFICATION
SPKR	SPEAKER
SPR	SPARE
SS	STAINLESS STEEL
ST	SHUNT TRIP
STD	SHORT TIME DELAY
STP	SHIELDED TWISTED PAIR
STR	STARTER
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TERMINAL CABINET
TERM	TERMINAL
TEL	TELEPHONE
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
THD	TOTAL HARMONIC DISTORTION
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TR	TELECOMMUNICATIONS ROOM
TSER	TELECOMMUNICATIONS SERVICE ENTRANCE ROOM
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION
TYP	TYPICAL
UC	UNDER COUNTER
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VAV	VARIABLE AIR VOLUME
VM	VOLTMETER
VSD	VARIABLE SPEED DRIVE
W	WATT
WAN	WIDE AREA NETWORK
WAP	WIRELESS ACCESS POINT
WLAN	WIRELESS LOCAL AREA NETWORK
WP	WEATHERPROOF
XFMR	TRANSFORMER

DEVICE SUBSCRIPTS

II	ROMAN NUMERAL INDICATES QUANTITY OF GANGED DEVICES UNDER COMMON FACEPLATE
a	LOWER CASE LETTER(S) INDICATES MULTI SWITCH CONTROL ARRANGEMENT
7	NUMERAL INDICATES BRANCH CIRCUIT NUMBER
A	WITH AUXILIARY CONTACTS
B	REMOVE DEVICE AND INSTALL BLANK COVERPLATE
BF	BLANK FACE GFCI
BS	ITEM CONTROLLED BY BED STOP RELAY
C	ITEM INSTALLED FLUSH IN CEILING
C*	CONTROL POINT IDENTIFIER (*INDICATES CONTROL NUMBER)
D	120 VOLT DISCONNECT SWITCH ARRANGEMENT
E	EXISTING BACKBOX TO REMAIN AND BE REUSED
EN	EXISTING LOCATION NEW DEVICE
EO	EQUIPMENT SUPPLIED BY OWNER
EQ	ITEM INSTALLED IN EQUIPMENT
ER	EXISTING TO BE REMOVED
ERL	EXISTING TO BE RELOCATED
EX	EXISTING TO REMAIN
GFCI	GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLE
GFI	GROUND FAULT CIRCUIT INTERRUPTING BREAKER PROTECTED
GFP	FEED THROUGH GROUND FAULT CIRCUIT INTERRUPTING PROTECTED
H	HORIZONTALLY MOUNTED
HA	HIGH ABUSE COVERPLATE
HG	HOSPITAL GRADE
IG	ISOLATED GROUND RECEPTACLE
K	KEY OPERATED
L	LOCATOR STYLE SWITCH OPERATING HANDLE
LV	LOW VOLTAGE
M	MULLION MOUNTED
M*	MONITORING POINT IDENTIFIER (*INDICATES MONITORING POINT)
NL	NIGHT LIGHT RECEPTACLE
NLG	NIGHT LIGHT GFCI RECEPTACLE
P	PILOT TYPE SWITCH OPERATING HANDLE
PP	FOR AUTO DOOR PUSH PLATE
S	SURFACE MOUNTED
SG	SAFETY GROUNDING RECEPTACLE
SP	SURGE PROTECTOR RECEPTACLE
SW	SPLIT WIRED RECEPTACLE FOR REMOTE SWITCHING
TR	TAMPER RESISTANT
USB	USB PORT CHARGING RECEPTACLE
W	ITEM INSTALLED 3'-8" AFF OR AS DETAILED
WG	WIRE GUARD
WP	WEATHERPROOF
WPS	WEATHERPROOF SPRING COVER
Z*	DEVICE ZONE IDENTIFIER (* INDICATES ZONE NUMBER)

EQUIPMENT DESIGNATIONS

D 4 LC 1

- BUILDING
- LEVEL
- EQUIPMENT NAME
- SEQUENCE NUMBER
- NUMBERS IN SEQUENCE - 1,2,3, ETC.

ATSS	AUTOMATIC TRANSFER SWITCH, LIFE SAFETY
ATSC	AUTOMATIC TRANSFER SWITCH, CRITICAL
FAP	FIRE ALARM ANNUNCIATOR
FATC	FIRE ALARM TERMINAL CABINET
FDS	FUSED DISCONNECT SWITCH
FPU	FIELD PROCESSING UNIT
GC	GENERAL PURPOSE CONTACTOR
LRP	LIGHTING RELAY PANEL
MCCN	MOTOR CONTROL CENTER, NORMAL
MS	METER SOCKET
NEC	NURSE CALL EQUIPMENT CABINET
PSU	PATIENT SERVING UNIT
T	TRANSFORMER
TC	TIME CLOCK
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR

B	BASEMENT LEVEL
G	GROUND LEVEL

CH	CHAPEL
A	A WING
B	B WING
C	C WING

PANELBOARDS DESIGNATIONS

D 4 P E L 1

- BUILDING
- LEVEL
- TYPE
- SYSTEM/SOURCE
- VOLTAGE
- SEQUENCE NUMBER
- NUMBERS IN SEQUENCE - 1,2,3, ETC.

H	480Y/277V
L	208V/120V OR 240V

N	NORMAL BRANCH
S	LIFE SAFETY BRANCH
C	CRITICAL BRANCH

L	LIGHTING AND APPLIANCE PANELBOARD
P	POWER DISTRIBUTION PANELBOARD

B	BASEMENT LEVEL
G	GROUND LEVEL

CH	CHAPEL
A	A WING
B	B WING
C	C WING

BRANCH VOLTAGE DROP

CONDUCTOR AWG	#12	#10	#8
MAXIMUM CONDUCTOR LENGTH AT 120V	95	160	245
MAXIMUM CONDUCTOR LENGTH AT 277V	225	375	565
MAXIMUM CONDUCTOR LENGTH AT 208V 1 PH.	170	280	425
MAXIMUM CONDUCTOR LENGTH AT 480V 1 PH.	390	650	985
GROUND CONDUCTOR AWG	#12	#10	#8

NOTES:
1. INCREASE BRANCH CIRCUIT CONDUCTOR AS INDICATED.

2. BASED ON 20A CIRCUIT LOADED TO 10A USING SINGLE PHASE, 2 WIRE CIRCUITS.

3. SCHEDULE REPRESENTS MINIMUM CONDUCTOR SIZE BASED ON LENGTH OF BRANCH CIRCUIT CONDUCTOR FROM PANEL TO PHYSICAL CENTER OF LOAD TO OVERCOME VOLTAGE DROP. 3% VOLTAGE DROP ASSUMED.

4. TRANSITION FROM LARGER CONDUCTOR SIZE TO #12 FOR FINAL TERMINATION TO OUTLET DEVICE. PROVIDE JUNCTION BOX WITHIN 10' OF OUTLET. EXTEND #12 CONDUCTOR TO OUTLET.

GENERAL

- NEW EQUIPMENT
- EXISTING WORK
- DEVICE TO BE REMOVED (DEMO PLANS) UNDERFLOOR CONDUIT (NEW PLANS)
- FUTURE WORK
- WIRE AND/OR CONDUIT RUN CONTINUED ON REFERENCED DETAIL
- MATCH LINE REFERENCING CONTINUATION ON OTHER DRAWINGS
- DETAIL AND/OR SECTION REFERENCE
- BRANCH CIRCUIT BOUNDARY

DRAWING NOTES AND DESIGNATIONS

- DRAWING KEYED NOTES
- CABLE ROUTING NOTES
- 300/4 FEEDER DESIGNATION
- XXX LAB EQUIPMENT TAG
- X/X NEW EQUIPMENT DESIGNATION
- X/X EQUIPMENT DESIGNATION NUMBER
- (E) XXX EXISTING EQUIPMENT DESIGNATION
- SYMBOL WITH DASHED OUTLINE INDICATES INSTALLATION AT CEILING
- SYMBOL WITH TAIL INDICATES WALL INSTALLATION, HEIGHT AS INDICATED

WIRE AND CABLE

NEUTRAL WIRE SHOWN AS A LONG LINE, PHASE WIRE SHOWN AS SHORT LINES, AND GROUND WIRE SHOWN AS LONG LINE WITH DOT

3 5 1 1LNL1 — THREE CIRCUIT HOME RUN IN CONDUIT TO ASSOCIATED PANELBOARD. NUMBERS INDICATE CIRCUIT NUMBERS. ARROWS INDICATE QUANTITY OF 20A-1P CIRCUITS. SLASH MARKS INDICATE QUANTITY OF WIRE

3#10 30A-2P 1LNL1 — MULTI-CIRCUIT HOME RUN IN CONDUIT TO ASSOCIATED PANELBOARD. SLASH MARKS INDICATE QUANTITY OF WIRES. PHASE WIRE SIZE SHOWN FOLLOWING THE # SYMBOL IF APPLICABLE

1LNL1-12 — NUMBERS INDICATES SOURCE PANELBOARD AND CIRCUIT(S)

- SPLICE

DIVISION 26: LEGEND

NOTE: SPEC REFERENCES ARE GENERAL AND MAY NOT BE SPECIFIC

LIGHTING BRANCH CIRCUITS

XXX / # / a

XXX	LUMINAIRE TAG - CORRESPONDS TO LUMINAIRE SCHEDULE
#	CIRCUIT NUMBER (AND PANELBOARD IF SPECIFICALLY DESIGNATED)
a	LOWER CASE LETTER(S) INDICATE MULTI-SWITCH CONTROL ARRANGEMENT.

POWER BRANCH CIRCUITS

#

#	CIRCUIT NUMBER (AND PANELBOARD IF SPECIFICALLY DESIGNATED)
C#	CRITICAL CIRCUIT
L#	LIFE SAFTY CIRCUIT

WIRING TERMINATIONS

X / # — X EQUIPMENT IDENTIFICATION TAG. # CIRCUIT NUMBER (AND PANELBOARD IF SPECIFICALLY DESIGNATED)

- MOTOR CONNECTION. REFER TO EQUIPMENT CONNECTION MOTOR CONTROLLER SCHEDULE FOR SPECIFIC REQUIREMENTS

26 0526 GROUNDING AND BONDING

- GROUND/ELECTRODE CONDUCTOR
- GROUND ROD
- GROUND TEST STATION
- MECHANICAL CONNECTION
- GROUND CONNECTION (MOLDED FUSION WELD OR IRREVERSIBLE)
- GROUND EQUIP ROOM GROUND TERMINAL BAR OF LENGTH INDICATED, 1'-6" AFF
- GROUND

26 053* RACEWAY AND PATHWAY

- CONDUIT TURNED UP
- CONDUIT TURNED DOWN
- CAPPED CONDUIT
- CONDUIT STUBBED AND BUSHED INTO ACCESSIBLE CEILING CAVITY
- SERVICE WEATHERHEAD
- SINGLE CHANNEL SURFACE RACEWAY
- DUAL CHANNEL SURFACE RACEWAY
- TRIPLE CHANNEL SURFACE RACEWAY
- RACEWAY ROUTED DOWN FROM CEILING TO HORIZONTAL
- RACEWAY ROUTED UP FROM FLOOR TO HORIZONTAL
- CABLE TRAY, HUNG ABOVE CEILING OR AS NOTED
- WIRE BASKET, HUNG ABOVE CEILING OR AS NOTED
- MULTI-OUTLET ASSEMBLY, 6" ABOVE COUNTER BACKSPLASH OR AS NOTED
- WD WALL DUCT

26 0535 BOXES AND CABINETS

- TELECOMMUNICATIONS OUTLET WITH BACKBOX AND CONDUIT, 1'-6" AFF
- TELECOMMUNICATIONS OUTLET WITH BACKBOX AND CONDUIT, 3'-8" AFF OR 6" ABOVE COUNTER
- TELECOMMUNICATIONS OUTLET WITH BACKBOX AND CONDUIT, 5'-0" AFF
- TELECOMMUNICATIONS OUTLET WITH BACKBOX AND CONDUIT, 8'-0" AFF OR 1'-0" BELOW CEILING (WHICHEVER IS LOWER)
- TELECOMMUNICATIONS OUTLET, INSTALLED IN FLOORBOX / DEVICE, WITH CONDUIT ROUGH-IN IN SLAB TO ACCESSIBLE CEILING.
- TELECOMMUNICATIONS OUTLET, INSTALLED IN FURNITURE RACEWAY, WITH CABLE EXTENDED THROUGH ACTIVATION DEVICE.
- B DEVICE BOX WITH BLANK COVER PLATE, HEIGHT AS INDICATED ON DWG
- J JUNCTION BOX
- PB PULL BOX
- CABINET, TOP OF TRIM 6'-2" AFF

26 0575 CONDUIT ROUGH-IN SYSTEMS

- PP POWER ASSIST PUSH PLATE BACKBOX- MOUNTED 3'-8" AFF
- PPT POWER ASSIST PUSH PLATE BACKBOX- MULLION MOUNTED 3'-8" AFF

26 0578 MULTI-SERVICE BOXES AND RACEWAYS

- CCR* CEILING CONCEALED, REGRESSED BACKBOX
- FEW* FLOOR BOX, EXPOSED, WITH PROVISIONS FOR WHIP
- FEF* FLOOR BOX, EXPOSED, FLUSH
- FCR* FLOOR BOX, CONCEALED, WITH REGRESSED DEVICES
- PEW* POKE-THRU ASSEMBLY, EXPOSED, WITH PROVISIONS FOR WHIP
- PEF* POKE-THRU ASSEMBLY, EXPOSED, FLUSH
- PCR* POKE-THRU ASSEMBLY, CONCEALED, WITH REGRESSED DEVICES
- TEF* TABLE BOX, EXPOSED, FLUSH
- TCR* TABLE BOX, CONCEALED, WITH REGRESSED DEVICES
- WEW* WALL BOX, EXPOSED, WITH PROVISIONS FOR WHIP
- WCR* WALL BOX, CONCEALED, WITH REGRESSED DEVICES

IDENTIFICATION CHART

ACCESS
C - CONCEALED
E - EXPOSED

SERVICE COVER/DEVICE FITTING
B - BLANK
F - FLUSH
R - REGRESSED
S - SEMI FLUSH
T - TOMBSTONE
W - WHIP

LOCATION
F - FLOOR
P - POKE-THRU
R - RAISED FLOOR
S - STAGE
T - TABLE
U - UNDER FLOOR DUCT
W - WALL

SEQUENTIAL NUMBER

REFER TO MULTI-SERVICE BOX SCHEDULE FOR ADDITIONAL INFORMATION REGARDING THE FOLLOWING BOXES.

- ISP INDOOR SERVICE POLE
- ISC INDOOR MULTI-SERVICE COLUMN

26 09** LIGHTING CONTROL

- LINE VOLTAGE AUTOMATIC CONTROL DEVICE - RE: TABLE BELOW FOR DESCRIPTION
- # LIGHTING CONTROL SYSTEM DEVICE - RE: TABLE BELOW FOR DESCRIPTION

DEVICE REFERENCE TABLE (ARROWS ON DEVICE INDICATES DIRECTION)

# =	DS =	DAYLIGHT SENSOR, CEILING MOUNTED
	DT =	DIGITAL TIME SWITCH, 3'-8" AFF
	T =	WALL BOX ELECTRONIC INTERVAL TIMER, 3'-8" AFF
	P =	WALL BOX SENSOR, 3'-8" AFF
	2P =	2 POLE, WALL BOX SENSOR, 3'-8" AFF
	P1 =	WALL/CEILING/CORNER MOUNT SENSOR, WIDE VIEW
	P2 =	CEILING MOUNT SENSOR, WIDE VIEW
	P3 =	WALL/CEILING SENSOR, LONG, NARROW RANGE VIEW SENSOR
	P4 =	EXTERIOR MOTION SENSOR
	P5 =	CEILING MOUNT SENSOR, HIGH BAY
	P6 =	CEILING MOUNT SENSOR, HIGH BAY, LONG, NARROW RANGE VIEW SENSOR
	P7 =	WALL BOX, COMBINATION SENSOR/DIMMER, 3'-8" AFF
	P8 =	WALL/CEILING/CORNER MOUNT, NARROW, LONG RANG VIEW, PIR TYPE
	PC =	EXTERIOR PHOTOELECTRIC CONTROL, 1'-0" ABOVE ROOF, AIMED NORTH

- TC TIME SWITCH, LINE VOLTAGE, 5'-0" AFF
- ELBDE EMERGENCY LIGHTING BYPASS DEVICE
  - # = 1 = FACTORY INSTALLED IN LUMINAIRE
  - 2 = FIELD INSTALLED IN LUMINAIRE
  - 3 = FIELD INSTALLED ADJACENT TO LUMINAIRE(S), UNO

RELAY PANEL LIGHTING CONTROL SYSTEM

- NID NETWORK INTERFACE DEVICE
- DCL DATA COMMUNICATION LINK
- MCS MANUAL OVERRIDE CONTROL STATION, 3'-8" AFF
- ELCU EMERGENCY LIGHTING CONTROL UNIT
- LRP LIGHTING RELAY PANEL (# INDICATES TYPE / APPLICATION), TOP OF TRIM 6'-2" AFF
- RPCM RELAY PANEL CONTROL MODULE (# INDICATES TYPE / APPLICATION), TOP OF TRIM 6'-2" AFF
- NID NETWORK INTERFACE DEVICE (# INDICATES TYPE / APPLICATION), TOP OF TRIM 6'-2" AFF

26 1000/2000/3000 POWER DISTRIBUTION

- LOW VOLTAGE INTERRUPTER SWITCH
- POTENTIAL TRANSFORMER (NUMBER INDICATES QUANTITY)
- CURRENT TRANSFORMER (NUMBER INDICATES QUANTITY)
- AM AMMETER
- AMI AMMETER SWITCH
- VM VOLTMETER
- VMI VOLTMETER SWITCH
- DM DIGITAL METERING MONITOR
- PLC PROGRAMMABLE LOGIC CONTROLLER
- M METER SOCKET
- PROTECTIVE RELAY (*INDICATES ANSI FUNCTION, NUMBER INDICATES QUANTITY)
- LIGHTNING ARRESTOR
- NETWORK PROTECTOR
- CABLE LUGS

26 1200/2200 TRANSFORMERS

- T TRANSFORMER (PLAN DENOTATION)
- TRANSFORMER (SINGLE LINE DENOTATION)
- 3-PHASE, 3-WIRE DELTA CONNECTION
- 3-PHASE WYE, NEUTRAL UNGROUNDED CONNECTION
- WYE CONNECTION

26 2416 PANELBOARDS

PANELBOARD (SINGLE LINE DENOTATION)

- SHADING INDICATES BRANCH TYPE
- TEXT INDICATES LUG / BREAKER TYPE
- NORMAL BRANCH PANELBOARD
- (LIFE SAFETY / NEC 517) - BRANCH PANELBOARD
- (CRITICAL / NEC 517) - BRANCH PANELBOARD

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STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

STATE OF MISSOURI
JOCELYN N. WILDMAN
NUMBER PE-2020000098
PROFESSIONAL ENGINEER
06/26/2025

JOCELYN N. WILDMAN - ELECTRICAL ENGINEER
MO# PE-202000098

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DESIGN AND CONSTRUCTION

DEPARTMENT OF
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VETERANS COMMISSION

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HOME RENOVATION

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26 2726 WIRING DEVICES

- INDICATES MULTIPLE DEVICES INSTALLED UNDER COMMON COVERPLATE AT ONE LOCATION
- S — SINGLE POLE SWITCH, 3'-8" AFF
- S^2 — 2-POLE SWITCH, 3'-8" AFF
- S^3 — 3-WAY SWITCH, 3'-8"
- S^4 — 4-WAY SWITCH, 3'-8"
- S^M — MOMENTARY CONTACT SWITCH, 3'-8" AFF
- D — LINE VOLTAGE, WALLBOX DIMMER, 3'-8"AFF
- L — LED, LINE VOLTAGE, WALLBOX DIMMER, 3'-8"AFF
- S — SWITCH TO MATCH DIMMER DESIGN FOR GANGED INSTALLATION UNDER COMMON COVERPLATE
- NEMA 5-20R SIMPLEX RECEPTACLE, 1'-6" AFF
- NEMA 5-20R RED SIMPLEX RECEPTACLE, 1'-6" AFF
- NEMA 5-20R DUPLEX RECEPTACLE, 1'-6" AFF
- NEMA 5-20R RED DUPLEX RECEPTACLE, 1'-6" AFF
- TWO (2) NEMA 5-20R DUPLEX RECEPTACLES INSTALLED UNDER COMMON COVERPLATE, 1'-6" AFF
- TWO (2) NEMA 5-20R RED DUPLEX RECEPTACLES INSTALLED UNDER COMMON COVERPLATE, 1'-6" AFF
- G — NEMA 5-20R GFCI DUPLEX RECEPTACLE, 3'-8" AFF
- G1 — NEMA 5-20R GFCI DUPLEX RECEPTACLE, 1'-6" AFF
- GC — NEMA 5-20R RED GFCI DUPLEX RECEPTACLE, 3'-8" AFF
- GA — NEMA 5-20R AUDIBLE ALARM TYPE GFCI DUPLEX RECEPTACLE, 3'-8" AFF
- GT — NEMA 5-20R TAMPER RESISTANT DUPLEX RECEPTACLE, 1'-6" AFF
- GE — NEMA 5-20R RED TAMPER RESISTANT DUPLEX RECEPTACLE, 1'-6" AFF
- GU — COMBINATION NEMA 5-20R TAMPER RESISTANT DUPLEX RECEPTACLE AND DC (DUPLEX), USB PORT CHARGING RECEPTACLE, 1'-6" AFF
- DA — NEMA 5-20R PLUG LOAD CONTROLLABLE DUPLEX AUTOMATIC RECEPTACLE, 1'-6" AFF
- W — NEMA 5-20R GFCI DUPLEX RECEPTACLE IN WP BOX WITH WP COVER, 1'-6" AG
- SP — NEMA 5-20R SURGE SUPPRESION DUPLEX RECEPTACLE, 1'-6" AFF
- H — CLOCK HANGER RECEPTACLE, 7'-4" AFF
- B — BOILER EMERGENCY SHUT DOWN STATION, 3'-8" AFF
- C — CHILLER EMERGENCY SHUT DOWN STATION, 3'-8" AFF
- PROVIDE NEMA CONFIGURATION TO MATCH INDICATED EQUIPMENT, 1'-6" AFF
- EPO — EMERGENCY POWER OFF STATION, 4'-6" AFF
- 1R — SINGLE POLE SWITCH/NEMA 5-20R DUPLEX RECEPTACLE COMB 3'-8" AFF, UNO
- 1E — SINGLE POLE SWITCH/NEMA 5-20R RED DUPLEX REC COMB 3'-8" AFF, UNO
- 1G — SINGLE POLE SWITCH/NEMA 5-20R GFCI DUPLEX REC COMB 3'-8" AFF, UNO
- EG — SINGLE POLE SWITCH/NEMA 5-20R RED GFCI DUPLEX REC COMB 3'-8" AFF, UNO

26 2800 PROTECTIVE DEVICES

- CB — SEPARATELY ENCLOSED CIRCUIT BREAKER, FLUSH MOUNTED 3'-8" AFF
- UNFUSED DISCONNECT SWITCH, SURFACE 3'-8" AFF, (5'-0" AFF IN EQ ROOMS)
- XXAS/XXAF — FUSED DISCONNECT SWITCH, SURFACE MOUNTED 3'-8" AFF, (5'-0" AFF IN EQ ROOMS). FUSED DISCONNECT SWITCH, "AS" INDICATES AMPERE RATING OF SWITCH AND "AF" INDICATES AMPERE RATING OF FUSE.
- XXAS / XXAT / # POLES — CIRCUIT BREAKER (SINGLE LINE DENOTATION)
- XXAF — FUSE (SINGLE LINE DENOTATION)
- K* — KEY INTERLOCK SYSTEM (* INDICATES LINK)
- MCS — MOLDED CASE SWITCH

26 2913 MOTOR CONTROLLERS

- S^T — FRACTIONAL HORSEPOWER MOTOR CONTROLLER, RECESSED 3'-8" AFF OR ABOVE CEILING (MANUAL THERMAL SWITCH)
- MOTOR CONTROLLER/DISCONNECT, 3'-8" AFF (5'-0" AFF IN EQ ROOMS)
- VSD — VARIABLE SPEED DRIVE

26 3600 TRANSFER SWITCHES

- TRANSFER SWITCH

26 4313 SURGE PROTECTION

- SPD — SURGE PROTECTION DEVICE, TOP OF ENCLOSURE 6'-2" AFF

26 5100 INTERIOR LIGHTING

- STRIP LUMINAIRE
- GEOMETRIC SHAPE LUMINAIRE, RECESSED OR SURFACE
- (T) INDICATES WALL MOUNT STYLE LUMINAIRE
- INDICATES PENDANT HUNG STYLE LUMINAIRE
- DOWNLIGHT, ROUND OR SQUARE, RECESSED OR SURFACE (INC, CFL, LED, HID)
- WALL WASH STYLE LUMINAIRE, ARROW INDICATES AIMING DIRECTION
- LIGHTING TRACK WITH TRACK MOUNTED LUMINARIES
- REMOTE LIGHTING LAMP HEAD(S)
- BATT — LOW VOLTAGE CONTROL UNIT, RACK MOUNTED
- LUMINAIRE CONNECTED TO LIFE SAFETY / NEC 517 EMERGENCY / NEC 700 BRANCH
- ELBDF — EMERGENCY LIGHTING BYPASS DEVICE - # INDICATES TYPE (TYPE 2 OR TYPE 3)

ILLUMINATED "EXIT" SIGNAGE

- SINGLE LINE - SINGLE FACE (DIRECTION OF ARROWS AS INDICATED)
  DOUBLE LINE - DOUBLE FACE (DIRECTION OF ARROWS AS INDICATED)

DIVISION 27: LEGEND

NOTE: SPEC REFERENCES ARE GENERAL AND MAY NOT BE SPECIFIC

27 1000 STRUCTURED CABLING

- REFER TO TELECOMMUNICATIONS SCHEDULE ON ***E0501*** FOR DEVICE REQUIREMENTS
- X# — X= DEVICE TYPE (C= COMMUNICATIONS, D= DATA, M= MULTIMEDIA, S= SECURITY, T= TELEPHONE, V= VIDEO, W= WIRELESS) #= QUANTITY
  EXAMPLE: D2 = TWO DATA JACKS IN A SINGLE FACEPLATE
- X# — TELECOMMUNICATIONS OUTLET WITH BACKBOX, AND INDICATED DEVICES. PROVIDE CONDUIT STUB THROUGH FLOOR INTO MILLWORK/ FURNITURE TO MOUNT BOX.
- X# — TELECOMMUNICATIONS OUTLET WITH BACKBOX, CONDUIT, AND INDICATED DEVICES AND CABLES, 1'-6" AFF
- X# — TELECOMMUNICATIONS OUTLET WITH BACKBOX, CONDUIT, AND INDICATED DEVICES AND CABLES, 3'-8" AFF OR 6" ABOVE COUNTER
- X# — TELECOMMUNICATIONS OUTLET WITH BACKBOX, CONDUIT, AND INDICATED DEVICES AND CABLES, 5'-0" AFF
- X# — TELECOMMUNICATIONS OUTLET WITH BACKBOX, CONDUIT, AND INDICATED DEVICES AND CABLES, 8'-0" AFF OR 1'-0" BELOW CEILING (WHICHEVER IS LOWER)
- X# — TELECOMMUNICATIONS OUTLET WITH INDICATED DEVICES AND CABLES, INSTALLED IN FLOORBOX / DEVICE, WITH CONDUIT ROUGH-IN IN SLAB TO ACCESSIBLE CEILING ON SAME LEVEL.
- X# — TELECOMMUNICATIONS OUTLET WITH INDICATED DEVICES AND CABLES INSTALLED IN FURNITURE RACEWAY, WITH CABLE EXTENDED THROUGH ACTIVATION DEVICE.
- X# — TELECOMMUNICATIONS OUTLET WITH INDICATED DEVICES AND CABLES INSTALLED IN SURFACE RACEWAY, WITH CABLE EXTENDED THROUGH ACTIVATION DEVICE.
- X# — TELECOMMUNICATIONS OUTLET WITH INDICATED DEVICES AND CABLES INSTALLED IN TABLEBOX, WITH CABLE CONCEALED AND EXTENDED THROUGH FLOORBOX DEVICE.
- X# — TELECOMMUNICATIONS OUTLET WITH BACKBOX, CONDUIT AND INDICATED DEVICES AND CABLES, INSTALLED FLUSH IN CEILING
- X# — TELECOMMUNICATIONS OUTLET WITH BACKBOX, CONDUIT AND INDICATED DEVICES AND CABLES, INSTALLED ABOVE ACCESSIBLE CEILING

27 1123 CABLE RUNWAY

- CABLE RUNWAY, HUNG ABOVE CEILING OR AS NOTED
- J-HOOKS, SPACED AT 4'-0", 5'-0" ON CENTER

27 5223 NURSE CALL SYSTEMS

- N1 — SINGLE PATIENT STATION WITH WALL SPEAKER AND PATIENT CONTROL UNIT, 4'-6" AFF
- N11 — SINGLE PATIENT STATION WITH WALL SPEAKER & SINGLE ACTION PUSH BUTTON CORD SET, 4'-6" AFF
- N12 — SINGLE PATIENT STATION WITH WALL SPEAKER AND GERIATRIC CORD SET, 4'-6" AFF
- N13 — SINGLE PATIENT STATION WITH PUSHBUTTON CORD SET, 4'-6" AFF
- N14 — SINGLE PATIENT STATION WITH GERIATRIC CORD SET, 4'-6" AFF
- N15 — PUSHBUTTON TYPE PATIENT STATION, 3'-8" AFF
- N2 — DUAL PATIENT STATION WITH WALL SPEAKER AND TWO PATIENT CONTROL UNITS, 4'-6" AFF
- N21 — DUAL PATIENT STATION WITH WALL SPEAKER AND TWO SINGLE ACTION PUSH BUTTON CORD SETS, 4'-6" AFF
- N3 — TOILET/DRESSING ROOMS STATION, 2'-6" AFF
- N31 — BATH/SHOWER STATION, 6'-0" AFF (SHOWER) AND 2'-6" AFF (BATH)
- N32 — CODE BLUE STATION, 4'-6" AFF
- N33 — TOILET/DRESSING ROOM STATION WITH WALLSPEAKER, 4'-6" AFF
- N4 — DOME LIGHT, WALL MOUNTED. TOP OF DEVICE EVEN WITH TOP OF DOOR FRAME
- N4C — DOME LIGHT, CEILING MOUNTED
- N5 — DUTY STATION, 4'-6" AFF
- N6 — STAFF STATION, 4'-6" AFF
- N61 — STAFF EMERGENCY STATION, 4'-6" AFF
- N68 — BED MANAGEMENT STATION, 4'-6" AFF
- N7 — ZONE DOME LIGHT, CEILING OR WALL MOUNTED UNITS, TOP OF DEVICE PLATE EVEN WITH TOP OF DOOR FRAME.
- N71 — STAFF EMERGENCY ZONE DOME LIGHT, CEILING OR WALL MOUNTED. WALL MOUNTED UNITS, TOP OF DEVICE PLATE EVEN WITH TOP OF DOOR FRAME.
- N72 — CODE BLUE ZONE DOME LIGHT WITH ONE (1) BLUE LIGHT CEILING OR WALL MOUNTED. WALL MOUNTED UNITS, TOP OF DEVICE PLATE EVEN WITH TOP OF DOOR FRAME.
- N8 — ROOM STATUS STATION, 3'-8" AFF
- NA — ANNUNCIATOR, WALL OR DESK MOUNTED DESK MOUNTED UNIT WITH WALL BOX MOUNTED 1'-6" AFF
- NM — MASTER STATION, WALL OR DESK MOUNTED DESK MOUNTED UNIT WITH WALL BOX MOUNTED 1'-6" AFF
- NCA — CODE BLUE ANNUNCIATOR, WALL OR DESK MOUNTED UNIT WITH WALL BOX MOUNTED 1'-6" AFF
- NEC — EQUIPMENT CABINET, TOP OF TRIM 6'-2" AFF
- NE — ENTERTAINMENT/BED JACK, WALL MOUNTED, 1'-6" AFF

DIVISION 28: LEGEND

NOTE: SPEC REFERENCES ARE GENERAL AND MAY NOT BE SPECIFIC

28 3100 FIRE ALARM SYSTEMS

- FB — BELL, 7'-6" AFF
- F — STROBE LIGHT, MIN 6'-8"/ MAX 8'-0" AFF (# INDICATES CANDELA)
- F — HORN STROBE, MIN 6'-8"/ MAX 8'-0" AFF (#INDICATES CANDELA)
- F — SPEAKER STROBE, MIN 6'-8"/ MAX 8'-0" AFF (# INDICATES CANDELA)
- C — CITY STROBE LIGHT, MOUNT PER ARCHITECT
- H — HORN, 18" BELOW CEILING
- ED — EXIT DIRECTIONAL EVAC SPEAKER, 1'-6" BELOW CEILING
- FS — FIRE ALARM SPEAKER, WALL MOUNTED
- F — MANUAL PULL STATION, 3'-8" AFF
- F1 — MANUAL PULL STATION WITH INDOOR PROTECTIVE SHIELD, 3'-8" AFF
- FJ — MANUAL PULL STATION WITH INDOOR PROTECTIVE SHIELD AND SHIELD OPEN AUDIBLE HORN, 3'-8" AFF
- FS — MANUAL PULL STATION WITH WEATHERPROOF PROTECTIVE SHIELD, 3'-8" AFF
- FJ — FIRE PHONE [JACK STATION], 3'-8" AFF
- FCB — FIRE PHONE CABINET
- FS — FLUSH CEILING MOUNTED SPEAKERS
- H — HEAT DETECTOR, COMBINATION RATE OF RISE/FIXED 135°F, CEILING MOUNT
- H1 — HEAT DETECTOR, COMBINATION RATE OR RAISE/FIXED 197°F CEILING MOUNT
- H2 — HEAT DETECTOR, FIXED 197°F, CEILING MOUNTED
- H3 — HEAT DETECTOR, RATE OF RAISE/FIXED 135°F, AUX. CONTACTS, CLG. MOUNT
- H4 — HEAT DETECTOR, RATE OF RAISE/FIXED 197°F, AUX. CONTACTS, CLG. MOUNT
- H5 — EXPLOSION PROOF HEAT DETECTOR, RATE OF RAISE/FIXED 135°F, CLG. MOUNT
- S — SMOKE DETECTOR, SURFACE CEILING MOUNTED
- SA — SMOKE DETECTOR, SURFACE CEILING MOUNTED W/ AUDIO-SOUNDER BASE
- D — DUCT SMOKE DETECTOR, DUCT INSTALLED
- DT — SMOKE DETECTOR TEST STATION WITH INDICATOR LIGHT, 6'-8" AFF
- ST — SMOKE DETECTOR INDICATOR LIGHT, TOP EVEN WITH TOP OF DOOR FRAME
- SB_T — SMOKE DETECTOR, BEAM TYPE, TRANSMITTER
- SB_R — SMOKE DETECTOR, BEAM TYPE, RECEIVER
- AS — AIR SAMPLING SMOKE DETECTION SYSTEM, 3'-8" AFF
- AIR SAMPLING POINT
- ST — AIR SAMPLING TUBING
- SS — SINGLE STATION SMOKE DETECTOR, SURFACE CEILING MOUNTED
- DS — SINGLE STATION DUCT DETECTOR, DUCT INSTALLED
- CM — CARBON MONOXIDE DETECTOR, SURFACE CEILING MOUNTED
- SH — SMOKE VENTING HATCH RELEASE
- DR — ELECTRO-MAGNETIC DOOR HOLDER
- FR — FAN SHUT DOWN RELAY, 7'-0" AFF
- RC — ROLLING COUNTER DOOR RELAY
- AC — ALARM CHECK VALVE (WATER FLOW SWITCH)
- DP — DRY PIPE PRESSURE SWITCH
- FS — WATER FLOW ALARM SWITCH
- TS — SUPERVISORY TAMPER SWITCH
- BASP — BAS INTERFACE PANEL, TOP OF TRIM 6'-2" AFF
- ECCU — EMERGENCY COMMUNICATIONS CONTROL UNIT, TOP OF TRIM 6'-2" AFF
- FACU — FIRE ALARM CONTROL UNIT, TOP OF TRIM 6'-2" AFF
- FAGP — FIRE ALARM GRAPHIC ANNUNCIATOR PANEL, TOP OF TRIM 6'-2" AFF
- GSCP — GRAPHIC SMOKE CONTROL PANEL, TOP OF TRIM 6'-2" AFF
- FCVC — FIRE ALARM CAMPUS VOICE COMMAND CENTER, TOP OF TRIM 6'-2" AFF
- FPU — FIELD PROCESSING UNIT, TOP OF TRIM 6'2" AFF
- FCC — FIRE COMMAND CENTER, 5'-6" AFF,UNO
- FCCC — FIREFIGHTERS CAMPUS COMMAND CENTER, TOP OF TRIM 6'-2" AFF
- FAP — FIRE ALARM ANNUNCIATOR PANEL, TOP OF TRIM 6'-2" AFF
- FATC — FIRE ALARM TERMINAL CABINET
- FPC — FIRE ALARM PC/KEYBOARD, DESK MOUNTED WITH WALL BOX AT 1'-6" AFF
- NAC — NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL, TOP OF TRIM 6'-2" AFF
- F — FIRE ALARM ADDRESSABLE RELAY (MONITOR/CONTROL POINT)
- LTD — MASS NOTIFICATION LED TEXT DISPLAY, TOP ALIGNED WITH EXIT SIGNAGE TOP
- MN — MASS NOTIFICATION OUTDOOR SPEAKER ARRAY, POLE MOUNTED
- MN — MASS NOTIFICATION ALERT STROBE, MIN 6'-8"/ MAX 8'-0" AFF

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ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

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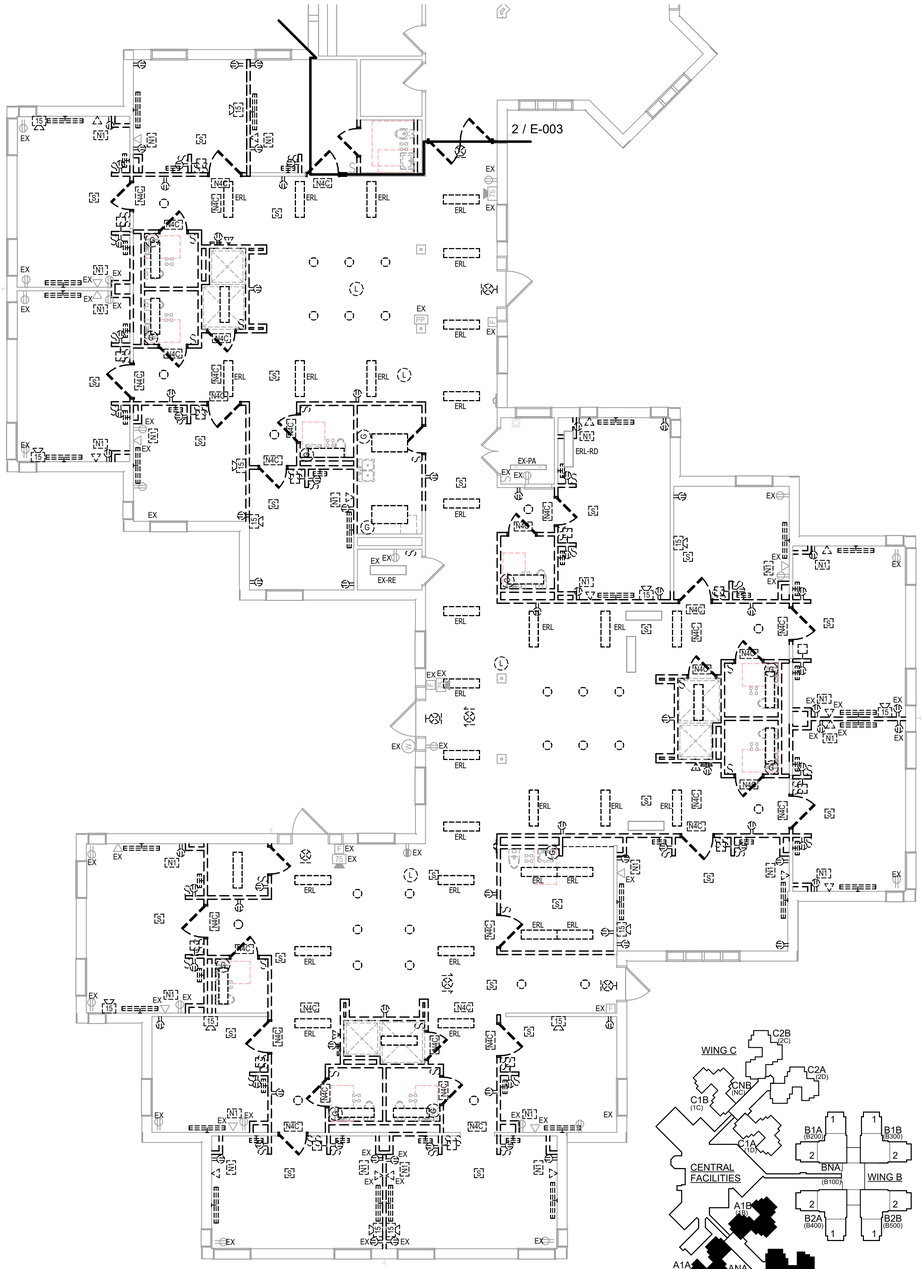
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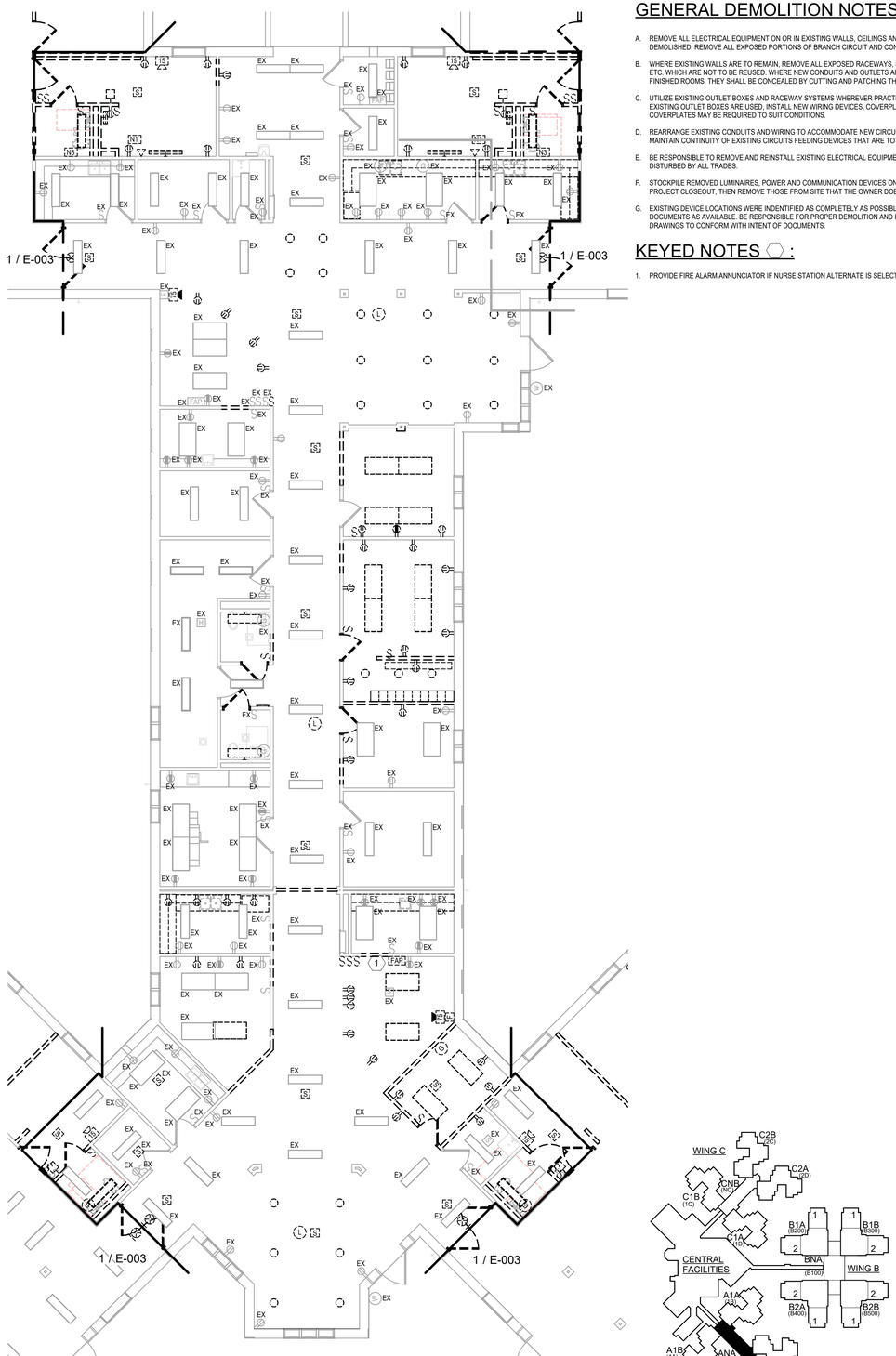
E-002

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1 LEVEL 01 DEMOLITION PLAN - A WING HOME
1/8" = 1'-0"



2 LEVEL 01 DEMOLITION PLAN - ANA
1/8" = 1'-0"

GENERAL DEMOLITION NOTES:

A. REMOVE ALL ELECTRICAL EQUIPMENT ON OR IN EXISTING WALLS, CEILINGS AND PARTITIONS WHICH ARE TO BE DEMOLISHED. REMOVE ALL EXPOSED PORTIONS OF BRANCH CIRCUIT AND CONTROL VOLTAGE WIRING AND CONDUITS.

B. WHERE EXISTING WALLS ARE TO REMAIN, REMOVE ALL EXPOSED RACEWAYS, SURFACE AND RECESSED OUTLET BOXES, ETC. WHICH ARE NOT TO BE REUSED. WHERE NEW CONDUITS AND OUTLETS ARE TO BE ADDED TO EXISTING WALLS IN FINISHED ROOMS, THEY SHALL BE CONCEALED BY CUTTING AND PATCHING THE WALLS.

C. UTILIZE EXISTING OUTLET BOXES AND RACEWAY SYSTEMS WHEREVER PRACTICAL IN RENOVATION AREAS. WHERE SUCH EXISTING OUTLET BOXES ARE USED, INSTALL NEW WIRING DEVICES, COVERPLATES, AND WIRING. SPECIAL COVERPLATES MAY BE REQUIRED TO SUIT CONDITIONS.

D. REARRANGE EXISTING CONDUITS AND WIRING TO ACCOMMODATE NEW CIRCUIT ARRANGEMENTS INDICATED AND TO MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING DEVICES THAT ARE TO REMAIN.

E. BE RESPONSIBLE TO REMOVE AND REINSTALL EXISTING ELECTRICAL EQUIPMENT TO ACCOMMODATE THE WORK OF OR DISTURBED BY ALL TRADES.

F. STOCKPILE REMOVED LUMINAIRES, POWER AND COMMUNICATION DEVICES ON JOB SITE FOR REUSE UNTIL TIME OR PROJECT CLOSEOUT, THEN REMOVE THOSE FROM SITE THAT THE OWNER DOES NOT WISH TO SALVAGE.

G. EXISTING DEVICE LOCATIONS WERE INDENTIFIED AS COMPLETELY AS POSSIBLE BY A SITE SURVEY AND BY RECORD DOCUMENTS AS AVAILABLE. BE RESPONSIBLE FOR PROPER DEMOLITION AND REWORK OF DEVICES NOT SHOWN ON DRAWINGS TO CONFORM WITH INTENT OF DOCUMENTS.

KEYED NOTES ⬡ :

1. PROVIDE FIRE ALARM ANNUNCIATOR IF NURSE STATION ALTERNATE IS SELECTED.

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ST. LOUIS, MISSOURI

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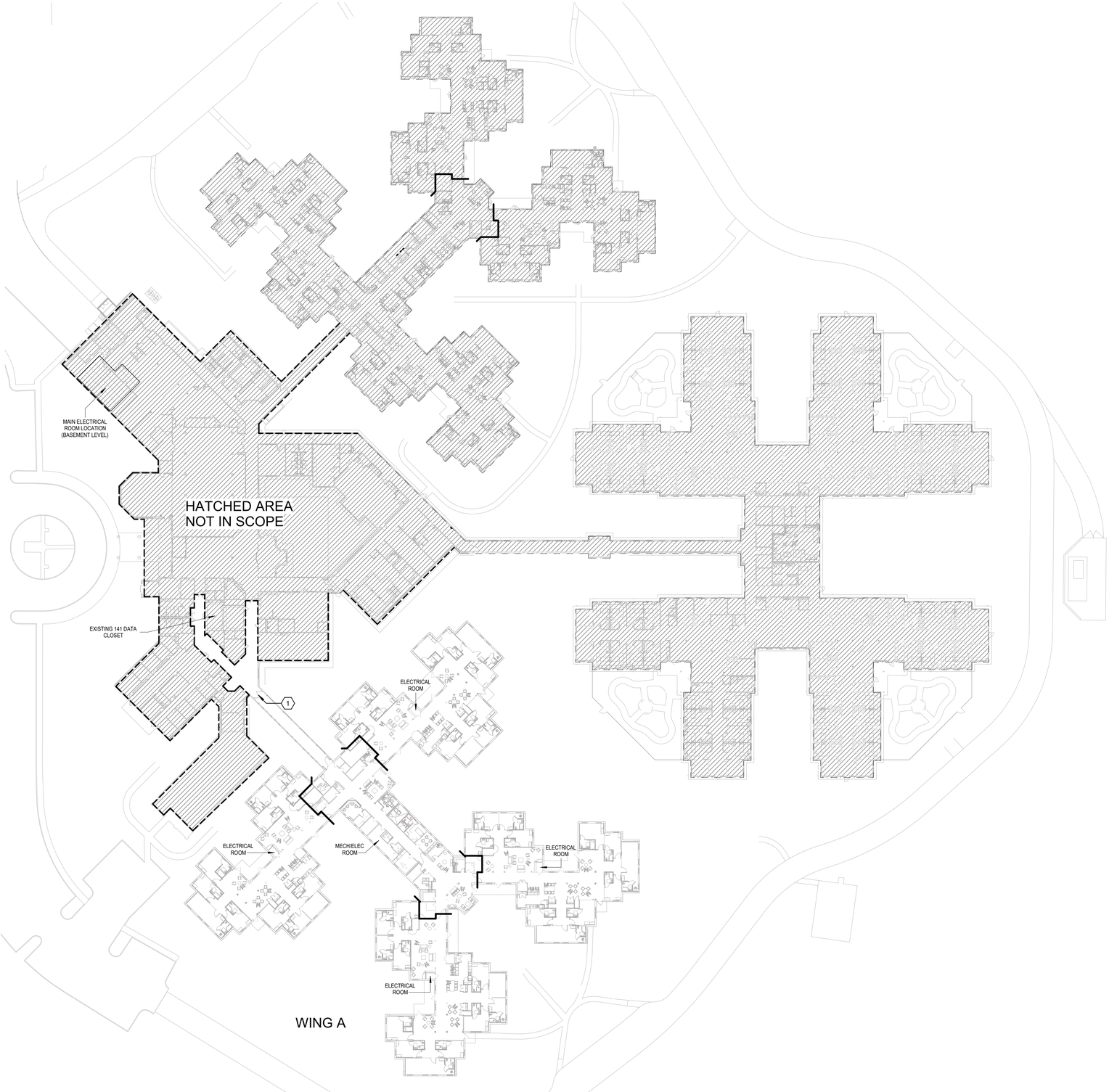
LEVEL 01 DEMOLITION PLAN - A WING

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E-003

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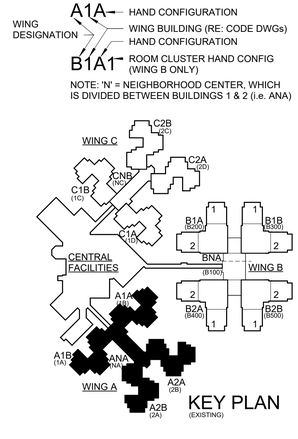
1 ELECTRICAL SITE PLAN
1" = 40'-0"

GENERAL NOTES:

A. BOND ANY NEW METAL PARTS AND EQUIPMENT TO THE EXISTING LIGHTNING PROTECTION SYSTEM. REFER TO ALL OTHER DISCIPLINE DRAWINGS TO IDENTIFY THIS SCOPE OF WORK.

KEYED NOTES ⬡ :

1. NEW FIRE DOOR HARDWARE TO BE ADDED. DOOR RELEASES, FIRE ALARM RELAY, AND SMOKE DETECTORS ON EACH SIDE OF DOOR TO BE ADDED AS PART OF SCOPE.



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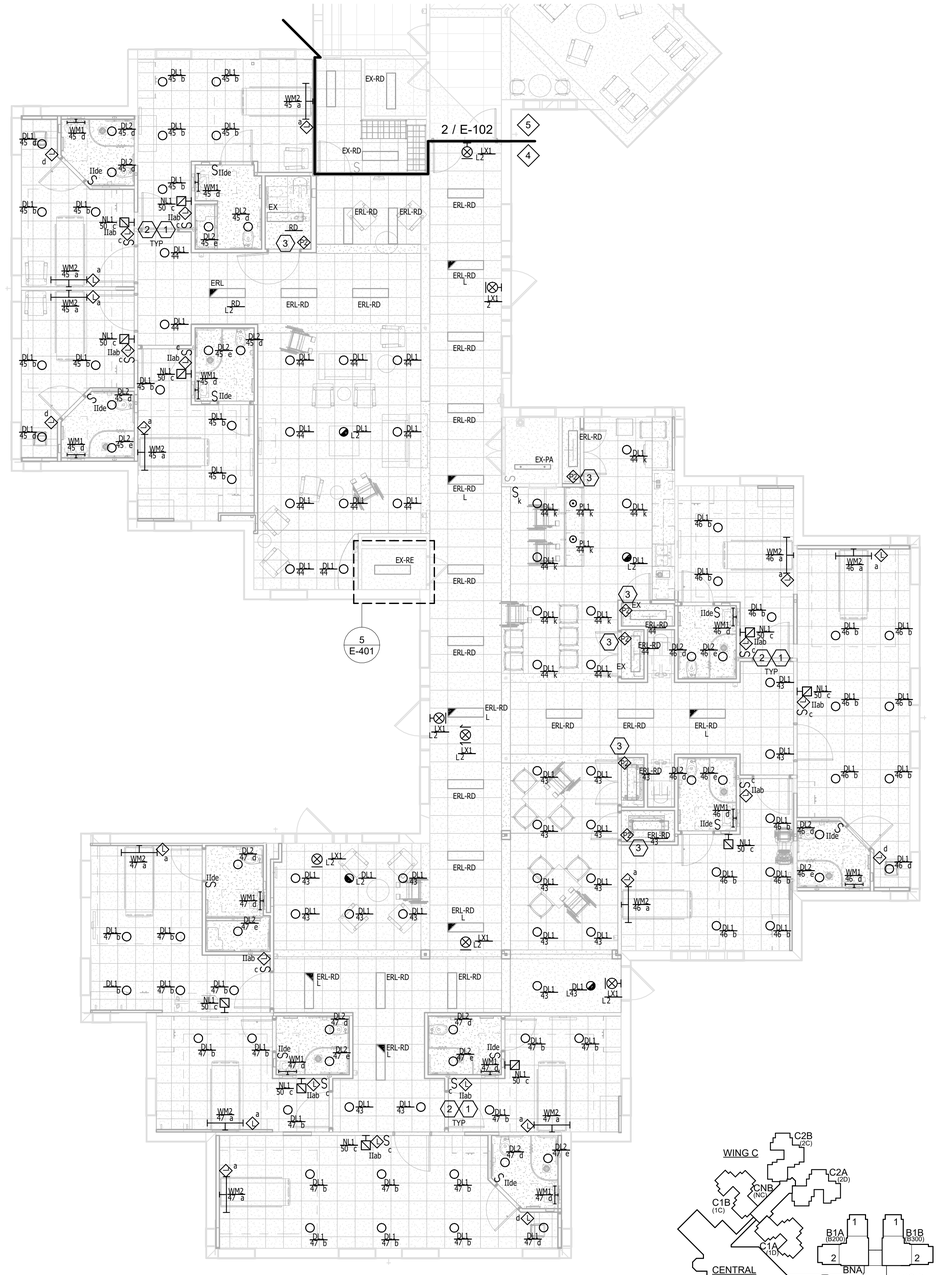
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ELECTRICAL SITE PLAN

SHEET NUMBER:

E-101

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1 LEVEL 01 LIGHTING PLAN - WING A HOME
1/8" = 1'-0"



2 LEVEL 01 LIGHITNG PLAN - ANA
1/8" = 1'-0"

GENERAL NOTES:

A. THE LIFE SAFETY LIGHTING SHALL BE UNSWITCHED AND REMAIN ON AT ALL TIMES.

B. REFER TO 1/E-102 FOR FIXTURE LAYOUT AND CIRCUITING OF OTHER A WING HOME AREA. CIRCUIT TO PANEL DESIGNATED IN THE BRANCH CIRCUIT NOTES.

C. EXISTING HALLWAY AND COMMON AREA LIGHTING SHALL BE RE-INSTALLED AND CONTROLLED BY THE EXISTING RELAY.

D. PROVIDE LOCK BOXES FOR ALL EXISTING SINGLE POLE SWITCHES IN HALLWAY AND COMMON AREA.

E. UTILIZE THE ADJACENT RESIDENT ROOM GENERAL RECEPTACLE CIRCUIT TO SUPPLY 120V TO EXISTING EXTERIOR WALL-PACK FIXTURES. CONFIRM THAT THE EXISTING WALL-PACK FIXTURES HAVE INTEGRAL PHOTOCELLS FOR DUSK-TO-DAWN CONTROL.

F. RECONNECT ALL EXISTING TO BE REARRANGED (ERL) LIGHT FIXTURES TO EXISTING CIRCUITS.

G. CLOSET SHALL BE INDEPENDENTLY WIRED FROM THE CORRIDOR AND SHALL BE CONTROLLED FROM A LOCAL OCCUPANCY SENSOR.

KEYED NOTES ⬡ :

1. INSTALL SWITCHES UNDER COMMON FACEPLATE. PROVIDE BARRIER BETWEEN NORMAL AND EMERGENCY POWER.
2. PROVIDE ILLUMINATED TOGGLE TYPE SWITCH FOR NIGHT LIGHT.
3. PROVIDE RAB SBS00W OCCUPANCY SENSOR OR APPROVED EQUAL. ALL CLOSET OCCUPANCY SENSORS SHALL BE 7' 0" AFF. LOCATE SENSOR SUCH THAT LIGHTING IS ACTIVATED UPON OPENING CLOSET DOOR.

BRANCH CIRCUIT NOTES ◇ :

1. EXTEND BRANCH CIRCUITS IN THIS AREA TO THE FOLLOWING BRANCH PANELBOARDS, UNLESS OTHERWISE NOTED:
   - 120 / 208V PANELBOARDS C WING
   - MLL4 - NORMAL POWER
   - MSL1 - LIFE SAFETY POWER (NEC 517)
   - MCL1 - CRITICAL POWER (NEC 517)
2. EXTEND BRANCH CIRCUITS IN THIS AREA TO THE FOLLOWING BRANCH PANELBOARDS, UNLESS OTHERWISE NOTED:
   - 120 / 208V PANELBOARDS C WING
   - MLL3 - NORMAL POWER
   - MSL1 - LIFE SAFETY POWER (NEC 517)
   - MCL1 - CRITICAL POWER (NEC 517)
3. EXTEND BRANCH CIRCUITS IN THIS AREA TO THE FOLLOWING BRANCH PANELBOARDS, UNLESS OTHERWISE NOTED:
   - 120 / 208V PANELBOARDS C WING
   - MLL2 - NORMAL POWER
   - MSL1 - LIFE SAFETY POWER (NEC 517)
   - MCL1 - CRITICAL POWER (NEC 517)
4. EXTEND BRANCH CIRCUITS IN THIS AREA TO THE FOLLOWING BRANCH PANELBOARDS, UNLESS OTHERWISE NOTED:
   - 120 / 208V PANELBOARDS C WING
   - MLL1 - NORMAL POWER
   - MSL1 - LIFE SAFETY POWER (NEC 517)
   - MCL1 - CRITICAL POWER (NEC 517)
5. EXTEND BRANCH CIRCUITS IN THIS AREA TO THE FOLLOWING BRANCH PANELBOARDS, UNLESS OTHERWISE NOTED:
   - 120 / 208V PANELBOARDS C WING
   - MLL5 - NORMAL POWER
   - MSL1 - LIFE SAFETY POWER (NEC 517)
   - MCL1 - CRITICAL POWER (NEC 517)

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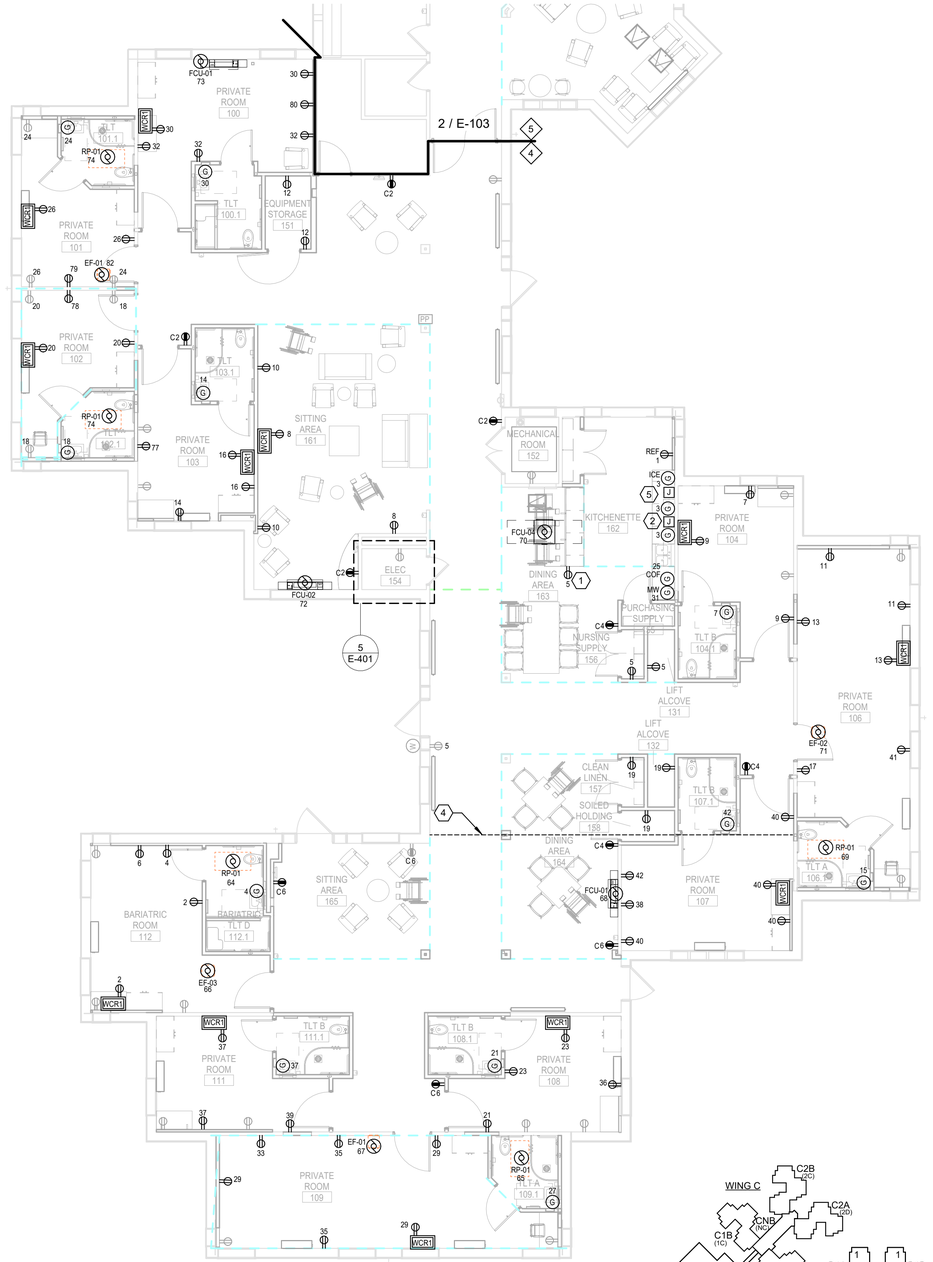
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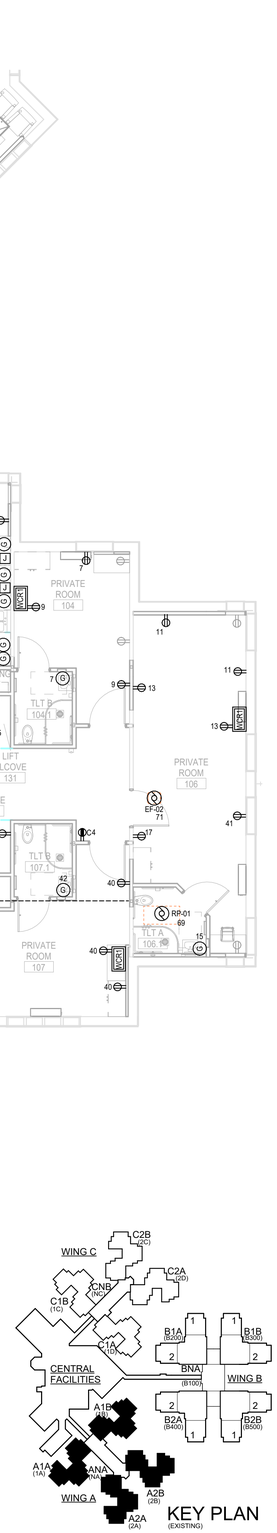
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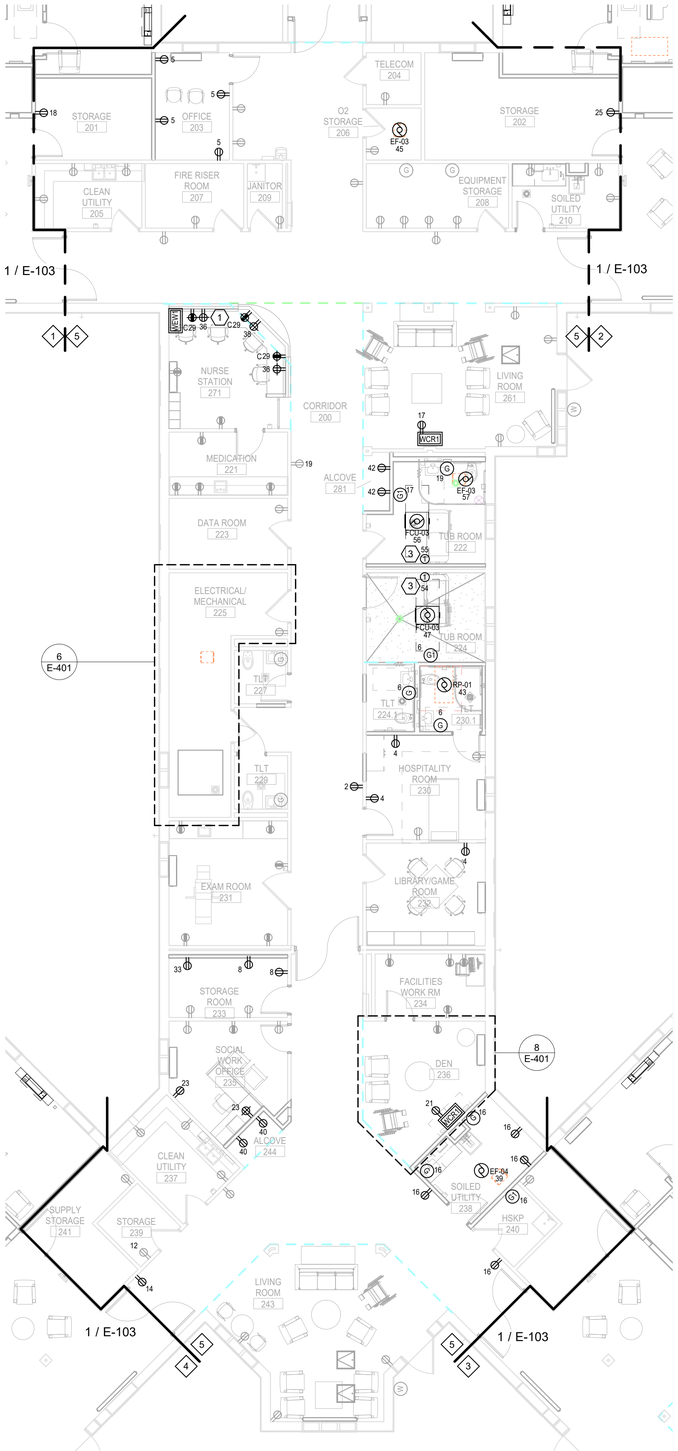
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1 LEVEL 01 POWER PLAN - A WING HOME
1/8" = 1'-0"





2 LEVEL 01 POWER PLAN - ANA
1/8" = 1'-0"

GENERAL NOTES:

A. REFER TO ARCHITECTURAL ELEVATIONS FOR COORDINATION BETWEEN ELECTRICAL FIXTURES AND CASEWORK AND ANY OTHER ARCHITECTURAL FEATURES.

B. REFER TO 1/E-103 FOR DEVICES AND CIRCUITING OF OTHER A WING HOME AREA. CIRCUIT TO PANEL DESIGNATED IN THE BRANCH CIRCUIT NOTES.

C. IN LOCATIONS WHERE WALL CAVITY DEPTH IS TOO SHALLOW TO INSTALL DEVICES, ELIMINATE THE EXTENSION RING OR PROVIDE A REDUCED-DEPTH EXTENSION RING AS NECESSARY TO ALLOW THE BOX TO FIT WITHIN THE WALL CAVITY.

D. IN LOCATIONS WHERE AN EXISTING OUTLET IS NOT UNDERNEATH A DESK, ADD NEW RECEPTACLE AND EXTEND EXISTING ROOM CIRCUIT.

KEYED NOTES ⬡ :

1. INSTALL DEVICES INDICATED AT CASEWORK/MILLWORK AS PER ARCHITECTURAL DETAILS.
2. PROVIDE CONDUIT FROM ELECTRICAL PANEL TO JUNCTION BOX WITH PULL WIRE FOR FUTURE HOOD POWER CONNECTION.
3. COORDINATE CONNECTION LOCATION FOR TUB WITH MECHANICAL CONTRACTOR. PROVIDE 20AMP DEDICATED GFCI PROTECTED BREAKER IN EXISTING PANELBOARD MLL5.
4. NEW STRUCTRAL BEAM IS TO BE ADDED CROSSING ALONG THIS LINE. REWORK OF EXISTING CONDUITS MAY BE REQUIRED AS A RESULT OF NEW STRUCTRAL BEAM.
5. PROVIDE CONDUIT FROM ELECTRICAL PANEL TO JUNCTION BOX WITH PULL WIRE FOR FUTURE DISHWASHER POWER CONNECTION.
6. PROVIDE CONDUIT FROM ELECTRICAL PANEL TO JUNCTION BOX WITH PULL WIRE FOR FUTURE ELECTRIC STOVE POWER CONNECTION.

BRANCH CIRCUIT NOTES ◇ :

1. EXTEND BRANCH CIRCUITS IN THIS AREA TO THE FOLLOWING BRANCH PANELBOARDS, UNLESS OTHERWISE NOTED:
   - 120 / 208V PANELBOARDS A WING
   - MLL4 - NORMAL POWER
   - MSL1 - LIFE SAFETY POWER (NEC 517)
   - MCL1 - CRITICAL POWER (NEC 517)
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   - 120 / 208V PANELBOARDS A WING
   - MLL2 - NORMAL POWER
   - MSL1 - LIFE SAFETY POWER (NEC 517)
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   - 120 / 208V PANELBOARDS A WING
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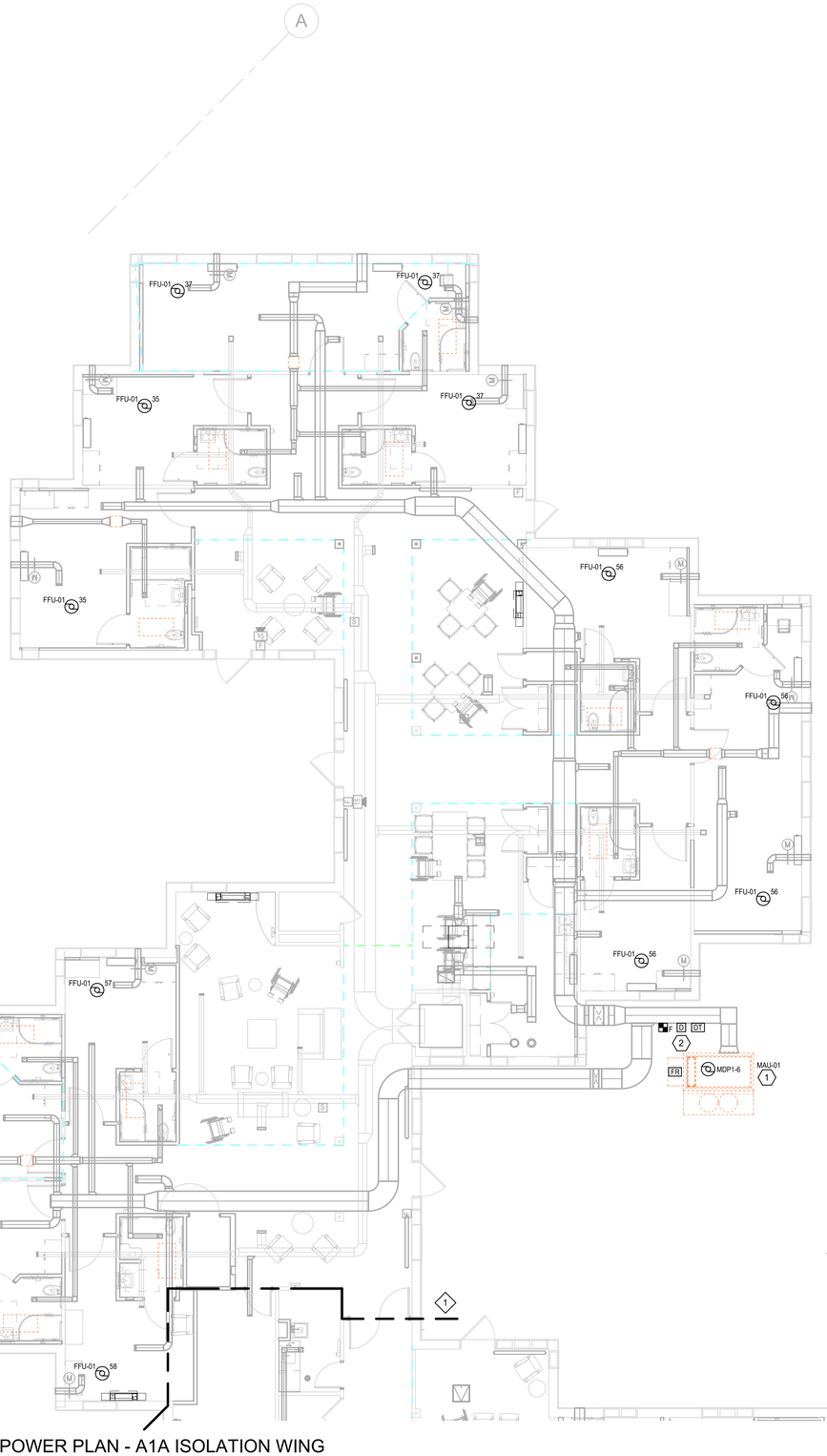
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LEVEL 01 POWER PLAN - A WING

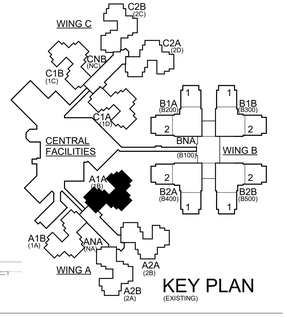
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1 LEVEL 01 POWER PLAN - A1A ISOLATION WING
1/8" = 1'-0"



KEY PLAN
(EXISTING)

GENERAL NOTES:

A. ONLY SCOPE THAT IS UNIQUE TO THIS WING IS DEPICTED ON THIS SHEET. REFER TO E-103 FOR ALL OTHER TYPICAL SCOPE.

KEYED NOTES ⬡ :

1. COORDINATE CONNECTION LOCATION FOR MAKE-UP AIR WITH MECHANICAL CONTRACTOR. PROVIDE (3) 500MCM W/ (1) # 2G IN 4"C FROM EXISTING SPARE 400AMP BREAKER IN DISTRIBUTION PANEL 'MDP1'. LOCATED IN ELECTRICAL ROOM 225. REFER TO E-401/6. COORDINATE CONDUIT ROUTING WITH MECHANICAL LINE ROUTES.
2. COORDINATE PRECISE LOCATION FOR SMOKE DAMPERS AND FIRE ALARM CONNECTIONS WITH MECHANICAL CONTRACTOR. PROVIDE WEATHER PROOF ENCLOSURES FOR ALL FIRE ALARM DEVICES.

BRANCH CIRCUIT NOTES ◇ :

1. EXTEND BRANCH CIRCUITS IN THIS AREA TO THE FOLLOWING BRANCH PANELBOARDS, UNLESS OTHERWISE NOTED:
   - 120 / 208V PANELBOARDS A WING
   - MDP1 - NORMAL POWER
   - MLL5 - NORMAL POWER

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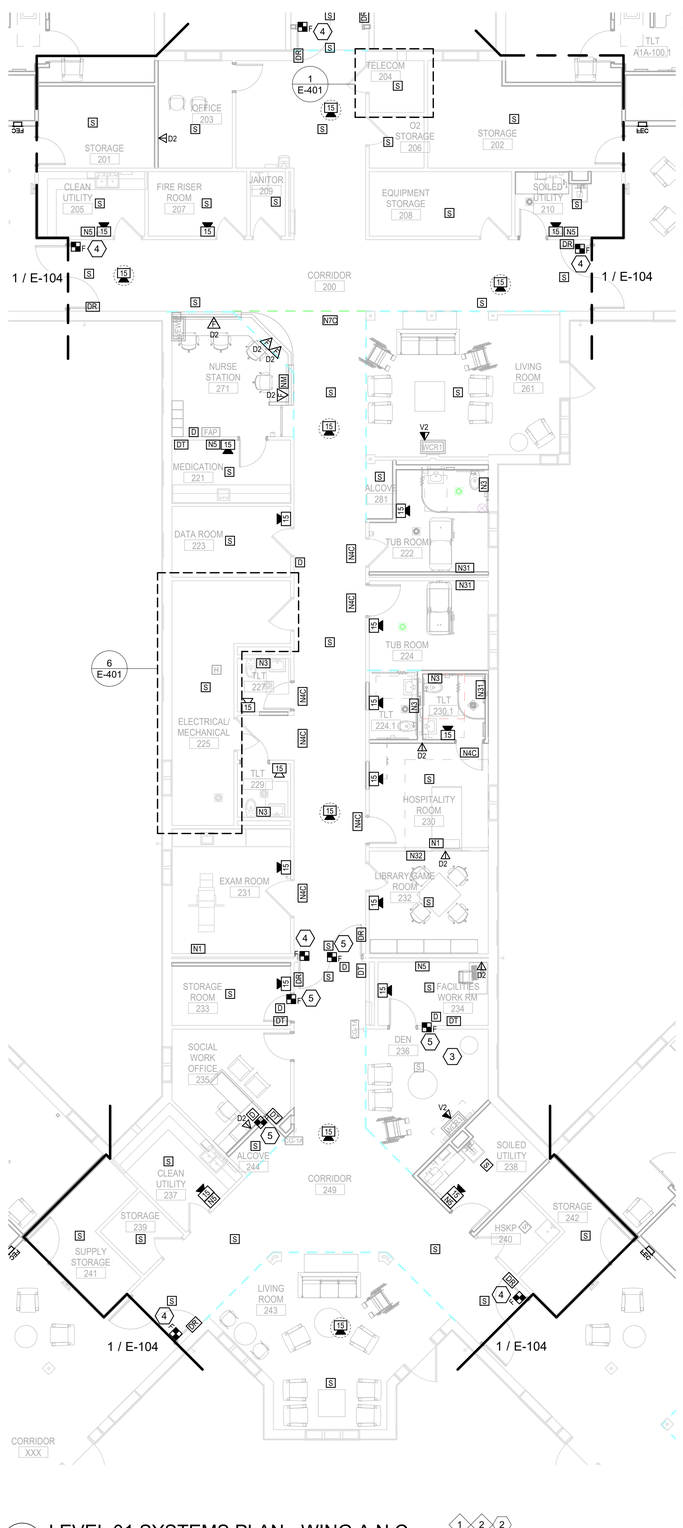
82 OF 93 SHEETS
06/26/2025

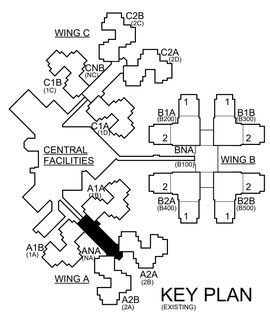
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1 LEVEL 01 SYSTEMS PLAN - A WING HOME

1/8" = 1'-0"





2 LEVEL 01 SYSTEMS PLAN - WING A N.C.

1/8" = 1'-0"

GENERAL NOTES:

A. REFER TO ARCHITECTURAL ELEVATIONS FOR COORDINATION BETWEEN ELECTRICAL FIXTURES AND CASEWORK AND ANY OTHER ARCHITECTURAL FEATURES.

B. IN LOCATIONS WHERE WALL CAVITY DEPTH IS TOO SHALLOW TO INSTALL DEVICES, ELIMINATE THE EXTENSION RING OR PROVIDE A REDUCED-DEPTH EXTENSION RING AS NECESSARY TO ALLOW THE BOX TO FIT WITHIN THE WALL CAVITY.

KEYED NOTES ⬡:

1. PROVIDE CONDUIT FOR FIRE ALARM RELAY WIRING FOR FUTURE EXHAUST HOOD TO BE ADDED AS PART OF A FUTURE PROJECT.
2. REFER TO SHEET E-502 FOR NURSE CALL SCHEDULE, RISER, AND DETAIL INFORMATION
3. IF ALTERNATE IS APPROVED, PROVIDE POWER, DATA, AND NURSE CALL MASTER STATION TO MATCH NURSE STATION 271 LAYOUT. REMOVE WALL MOUNTED DISPLAY ALONG WITH POWER, DATA, AND COAX.
4. POWER OPERATED DOOR SHUNT TRIP.
5. SMOKE DAMPER ACTUATOR.

HORIZONTAL TERMINATION NOTES ◇:

1. TERMINATE STRUCTURED TELECOMMUNICATIONS DATA CABLING IN THIS AREA ON PATCH PANELS INSTALLED ON RACKS IN EXISTING TELECOMMUNICATIONS ROOM 204, UNLESS NOTED OTHERWISE.
2. TERMINATE COAX CABLING IN THIS AREA ON EXISTING EQUIPMENT IN EXISTING TELECOM CLOSET 610.

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STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

JOCELYN N. WILDMAN
NUMBER PE-2020000098
PROFESSIONAL ENGINEER
06/26/2025

JOCELYN N. WILDMAN - ELECTRICAL ENGINEER
MO# PE-2020000098

ISSUED FOR BID

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1100 Clark Ave
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Missouri State Certificate of Authority
Architecture: # 000051
Missouri State Certificate of Authority
Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI
VETERANS COMMISSION

ST. LOUIS VETERANS
HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION	DATE

ISSUE DATE: 06/26/2025

CAD DWG FILE:
DRAWN BY: CD
CHECKED BY: CD
DESIGNED BY: CD

SHEET TITLE:

LEVEL 01 SYSTEMS PLAN - A WING

SHEET NUMBER:

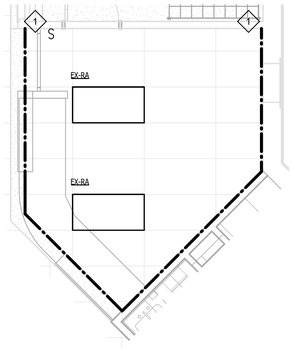
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83 OF 93 SHEETS
06/26/2025

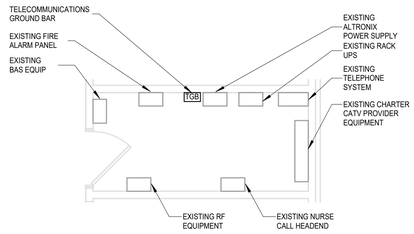
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BRANCH CIRCUIT NOTES ◇:

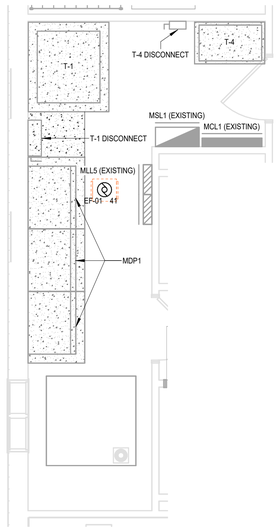
1. EXTEND BRANCH CIRCUITS IN THIS AREA TO THE FOLLOWING BRANCH PANELBOARDS, UNLESS OTHERWISE NOTED:
   - 120 / 208V PANELBOARDS C WING
   - MLL5 - NORMAL POWER
   - MCL1 - CRITICAL POWER (NEC 517)



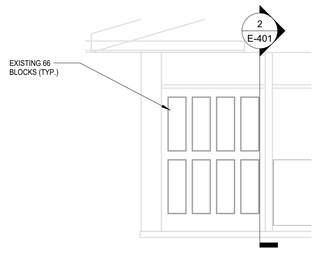
7 ADD ALT NURSE STATION - LIGHTING
1/4" = 1'-0"



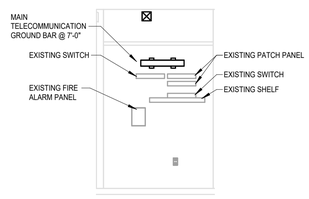
4 EXISTING TELECOM CLOSET 610 PLAN
1/4" = 1'-0"



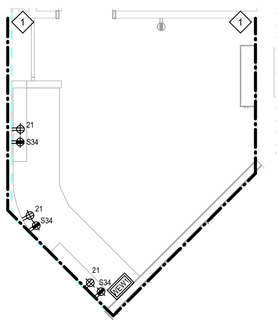
6 ANA ELEC ROOM
1/4" = 1'-0"



3 EXISTING TELECOM CLOSET 204 SOUTH ELEVATION
1/4" = 1'-0"



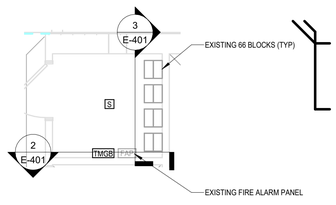
2 EXISTING TELECOM CLOSET 204 EAST ELEVATION
1/4" = 1'-0"



8 ADD ALT NURSE STATION - POWER
1/4" = 1'-0"



5 A2B ELEC ROOM
1/4" = 1'-0"



1 EXISTING TELECOM CLOSET 204 PLAN
1/4" = 1'-0"

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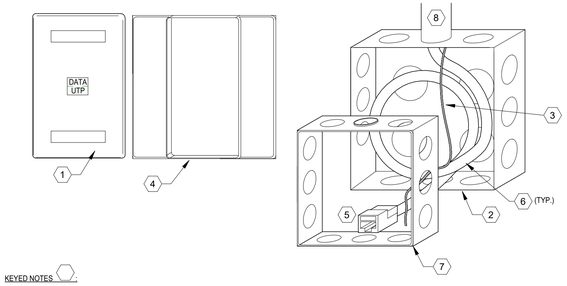
SHEET TITLE:
ENLARGED PLANS

SHEET NUMBER:
E-401

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TECHNOLOGY OUTLET SCHEDULE

SUBSCRIPT	CONDUIT STUB SIZE (INCHES)	NUMBER OF GANGS (FACEPLATE)	NUMBER OF PORTS: 4/FACEPLATE	MODULE TYPE / QUANTITY			CABLE TYPE / QUANTITIES			REFER TO DETAIL	DEVICE DESCRIPTION
				RJ-45: DATA JACKS	F-CONN COUPLER: VIDEO	BLANK	4 PAIR CAT 5E UTP	COAX - SERIES-6	PULL STRING		
D1	1	1	2	1		1	1		1	<varies>	DATA OUTLET
D2	1	1	4	2		2	2		1	7/E0741	DATA OUTLET
V2	1	1	2	1	1		1	1	1	8/E0741	VIDEO/ DATA OUTLET

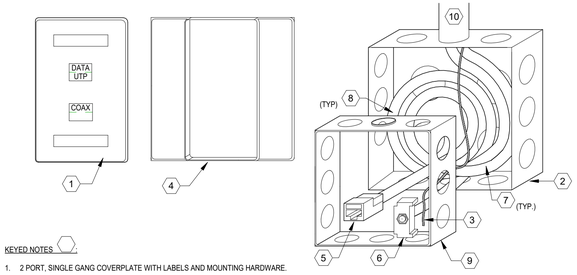


KEYED NOTES

1. 1 PORT, SINGLE GANG COVERPLATE WITH LABELS AND MOUNTING HARDWARE. PROVIDE BLANK INSERTS FOR ALL UNUSED PORTS.
2. 4-11/16" X 4-11/16" SQUARE OUTLET BOX.
3. NYLON PULL CORD TO FAR END CONDUIT TERMINATION POINT.
4. SINGLE GANG ADAPTER.
5. MODULAR JACK 110 TO RJ45 WITH ICONS, UNIVERSAL WIRING PATTERN, NON KEYED, EIGHT POSITION (4 PAIR).
6. TWISTED PAIR TYPE 4 PAIR, HORIZONTAL CABLE, FROM LOCAL TELECOMMUNICATIONS ROOM, WITH SERVICE LOOP.
7. 4-11/16" X 4-11/16" X 1-1/2" DEEP SQUARE OUTLET BOX EXTENSION RING.
8. CONDUIT STUB TO ACCESSIBLE CEILING SPACE.
9. COORDINATE WITH SPECIFIC BACKBOX DEVICE SYMBOLS AS SHOWN ON DRAWINGS TO DETERMINE ROUGH-IN REQUIREMENTS AND LOCATIONS.

6 TELECOMMUNICATIONS OUTLET 'D1'

NTS

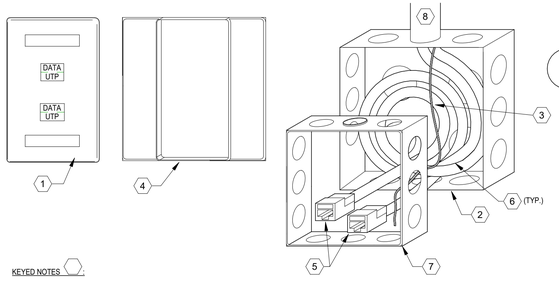


KEYED NOTES

1. 2 PORT, SINGLE GANG COVERPLATE WITH LABELS AND MOUNTING HARDWARE.
2. 4-11/16" X 4-11/16" SQUARE ELECTRICAL OUTLET BOX.
3. NYLON PULL CORD TO FAR END CONDUIT TERMINATION POINT.
4. SINGLE GANG DEVICE RING.
5. MODULAR JACK 110 TO RJ45 WITH ICONS, UNIVERSAL WIRING PATTERN, NON KEYED, EIGHT POSITION (4 PAIR).
6. SERIES 6 F-CONNECTOR MODULAR INSERT (BULKHEAD TYPE).
7. TWISTED PAIR TYPE 4 PAIR, HORIZONTAL CABLE, FROM LOCAL TELECOMMUNICATIONS ROOM, WITH SERVICE LOOP.
8. SERIES 6 COAXIAL CABLE, FROM LOCAL TELECOMMUNICATIONS ROOM, WITH SERVICE LOOP.
9. 4-11/16" X 4-11/16" X 1-1/2" DEEP SQUARE OUTLET BOX EXTENSION RING.
10. CONDUIT STUB TO ACCESSIBLE CEILING SPACE.
11. COORDINATE WITH SPECIFIC BACKBOX DEVICE SYMBOLS AS SHOWN ON DRAWINGS TO DETERMINE ROUGH-IN REQUIREMENTS AND LOCATIONS.

8 TELECOMMUNICATIONS OUTLET 'V2'

NTS



KEYED NOTES

1. 2 PORT, SINGLE GANG COVERPLATE WITH LABELS AND MOUNTING HARDWARE. PROVIDE BLANK INSERTS FOR ALL UNUSED PORTS.
2. 4-11/16" X 4-11/16" SQUARE OUTLET BOX.
3. NYLON PULL CORD TO FAR END CONDUIT TERMINATION POINT.
4. SINGLE GANG ADAPTER.
5. MODULAR JACK 110 TO RJ45 WITH ICONS, UNIVERSAL WIRING PATTERN, NON KEYED, EIGHT POSITION (4 PAIR).
6. TWISTED PAIR TYPE 4 PAIR, HORIZONTAL CABLE, FROM LOCAL TELECOMMUNICATIONS ROOM, WITH SERVICE LOOP.
7. 4-11/16" X 4-11/16" X 1-1/2" DEEP SQUARE OUTLET BOX EXTENSION RING.
8. CONDUIT STUB TO ACCESSIBLE CEILING SPACE.
9. COORDINATE WITH SPECIFIC BACKBOX DEVICE SYMBOLS AS SHOWN ON DRAWINGS TO DETERMINE ROUGH-IN REQUIREMENTS AND LOCATIONS.

7 TELECOMMUNICATIONS OUTLET 'D2'

NTS

CONDUIT CAPACITY CHART FOR TELECOMMUNICATIONS									
CONDUIT		CABLE OUTSIDE DIAMETER in (mm) / CABLE TYPE *							
INSIDE DIAMETER (mm)	TRADE SIZE	.13 (3.3)	.18 (4.6)	.22 (5.6)	.24 (6.1) CAT 5e CAT 6	.29 (7.4) CAT 6+ CAT 6e	.31 (7.9) CAT 6A STP	.37 (9.4)	.53 (13.5)
21	3/4	6	5	4	3	2	2	1	0
27	1	8	8	7	6	3	3	2	1
35	1-1/4	16	14	12	10	6	4	3	1
41	1-1/2	20	18	16	15	7	6	4	2
53	2	30	26	22	20	14	12	7	4
63	2-1/2	45	40	36	30	17	14	12	6
78	3	70	60	50	40	20	20	17	7
91	3-1/2	-	-	-	-	-	-	22	12
103	4	-	-	-	-	-	-	30	14

NOTES:

* CABLE TYPE SHOWN IS FOR TYPICAL CABLES AND VARIES FROM MANUFACTURER. VERIFY CABLE OUTSIDE DIAMETER OF ACTUAL MANUFACTURER UTILIZED PRIOR TO ROUGH-IN.

UTILIZE ACTUAL FILL RATES PER NEC IF CABLES OF MULTIPLE DIAMETERS ARE UTILIZED IN A SINGLE CONDUIT.

5 CONDUIT CAPACITY CHART

NTS

MINIMUM SIZE BONDING CONDUCTOR FOR TELECOMMUNICATIONS		
CONDUCTOR LENGTH (FEET)	CONDUCTOR SIZE (AWG)	MAXIMUM AREA (CIRCULAR MILS)
13	6	26,240
21	4	41,740
26	3	52,620
33	2	66,360
42	1	83,690
53	1/0	105,600
67	2/0	133,100
84	3/0	167,800
106	4/0	211,600
125	250	250,000
150	300	300,000
175	350	350,000
200	400	400,000
250	500	500,000
300	600	600,000
350	700	700,000
375	750	750,000
400	800	800,000
450	900	900,000
500	1000	1,000,000
625	1250	1,250,000
750	1500	1,500,000
875	1750	1,750,000
1000	2000	2,000,000

DESIGN GUIDE BASIS:

1. MAXIMUM VALUE OF 0.1 OHM AT EACH POINT
2. 2K CIRCULAR MILS NEEDED FOR EVERY FOOT
3. NEC TABLE 8
4. WHERE NECESSARY TO COMPLY WITH SPECIFICATION REQUIREMENTS, CONDUCTOR MAY BE SIZED ONE AWG LARGER THAN GIVEN IN THIS TABLE.

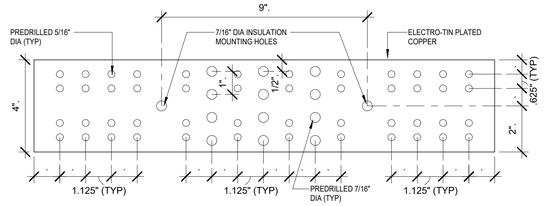
4 TELECOMMUNICATIONS BONDING SIZE TABLE

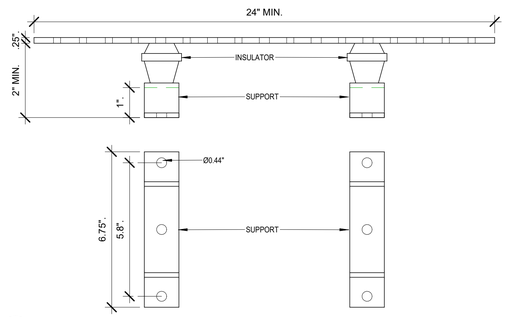
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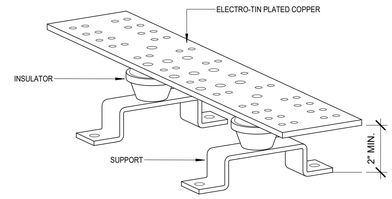
MINIMUM SIZE BONDING CONDUCTOR SIZES FOR TELECOMMUNICATIONS	
CONDUCTOR LENGTH LINER M (FEET)	CONDUCTOR SIZE (AWG)
LESS THAN 4 (13)	6
4-6 (14-20)	4
6-8 (21-26)	3
8-10 (27-33)	2
10 - 13 (34 - 41)	1
13-16 (42-52)	1/0
16-20 (53-66)	2/0
GREATER THAN 20 (66)	3/0

DESIGN GUIDE BASIS:

1. MAXIMUM VALUE OF 0.1 OHM AT EACH POINT
2. 2K CIRCULAR MILS NEEDED FOR EVERY FOOT
3. NEC TABLE 8
4. WHERE NECESSARY TO COMPLY WITH SPECIFICATION REQUIREMENTS, CONDUCTOR MAY BE SIZED ONE AWG LARGER THAN GIVEN IN THIS TABLE.

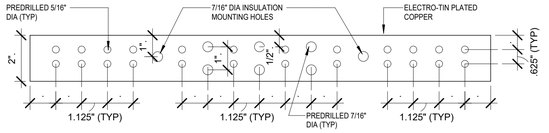


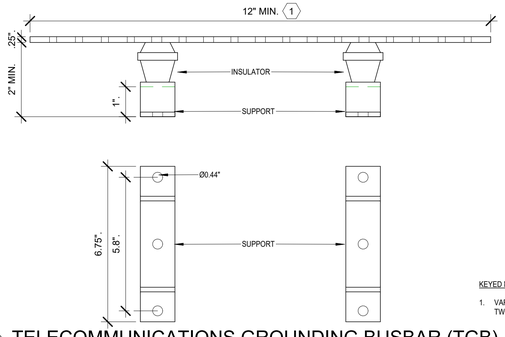


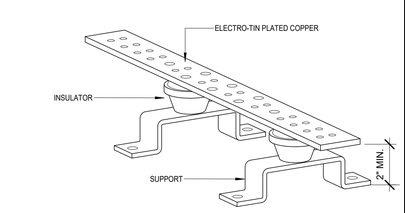


3 TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB)

NTS





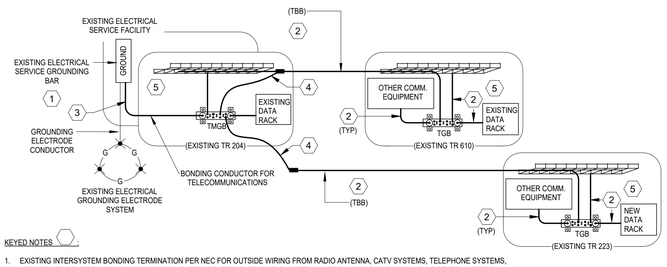


KEYED NOTES

1. VARY LENGTH TO MEET APPLICATION REQUIREMENTS OF LISTED COMPRESSIONS TWO-HOLE LUGS.

2 TELECOMMUNICATIONS GROUNDING BUSBAR (TGB)

NTS



KEYED NOTES

1. EXISTING INTERSYSTEM BONDING TERMINATION PER NEC FOR OUTSIDE WIRING FROM RADIO ANTENNA, CATV SYSTEMS, TELEPHONE SYSTEMS, NETWORKED POWERED BROADBAND COMMUNICATIONS SYSTEMS, TELEVISION ANTENNA, FIRE ALARM, BURGLAR ALARM & CENTRAL STATION SYSTEMS.
2. COPPER CONDUCTOR SIZED PER TELECOMMUNICATIONS BONDING SIZE TABLE.
3. MINIMUM CONDUCTOR SIZE SHALL BE LARGER DIAMETER THAN LONGEST TELECOMMUNICATIONS BONDING BACKBONE (TBB) SIZE.
4. MINIMUM CONDUCTOR SIZE SHALL BE ONE GAGE SMALLER IN DIAMETER THAN ASSOCIATED TBB.
5. PROVIDE BONDING CONNECTION TO ALL EQUIPMENT PANELS, RACKS, BACKBOARDS, SLEEVES, CABLE TRAY/RUNWAY, STATIC DISAPATIVE FLOORING AND PANELBOARDS LOCATED IN ROOM.

1 TELECOMMUNICATIONS BONDING

NTS

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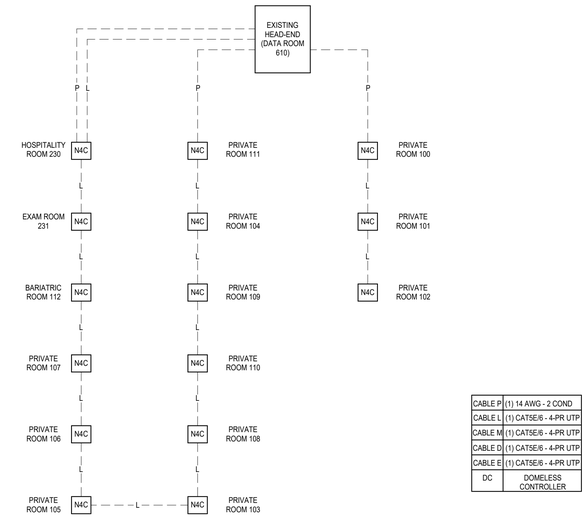
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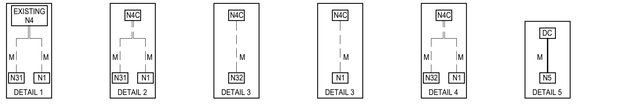
SHEET NUMBER:

E-501

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Room #	Room Name	Dome Light (N4C)	Code Blue (N32)	Shower (N31)	Patient Station (N1)	Zone Dome Light (N7C)	Domeless Controller	Duty Station (N5)	Toilet/Dressing (N3)	Detail Type
205	Clean Utility						x	x		R5-003
210	Soiled Utility						x	x		R5-003
STC-250	Corridor					x				
221	Medication						x	x		R5-003
223	HSPK Storage 223						x	x		R5-003
230	Hospitality Room	x			x					R5-002
231	Exam Room	x			x					R5-002
233	Laundry Room		x							R5-002
234	Facilities Work RM							x		R5-002
235	Soiled Utility						x	x		R5-003
238	Clean Utility						x	x		R5-003
112	Bariatric Room	x		x	x				x	R5-002
107	Private Room	x		x	x				x	R5-002
106	Private Room	x		x	x				x	
105	Private Room	x		x	x				x	
104	Private Room	x		x	x				x	
109	Private Room	x		x	x				x	
110	Private Room	x		x	x				x	
108	Private Room	x		x	x				x	
111	Private Room	x		x	x				x	
XXX	Corridor					x				
100	Private Room	x		x	x				x	R5-002
101	Private Room	x		x	x				x	
102	Private Room	x		x	x				x	
103	Private Room	x		x	x				x	
STC-132	Private Room			x	x					
STC-136	Private Room			x	x					
STC-139	Private Room			x	x					
STC-142	Private Room			x	x					
300	Corridor					x				
STC-119	Private Room			x	x					
STC-120	Private Room			x	x					
STC-121	Private Room			x	x					
STC-122	Private Room			x	x					
301	Private Room			x	x					
302	Private Room			x	x					
303	Private Room			x	x					
304	Private Room			x	x					
305	Private Room			x	x					
306	Private Room			x	x					
307	Private Room			x	x					
308	Private Room			x	x					





1 NURSE CALL/CODE BLUE TRUNK RISER
NTS

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STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

STATE OF MISSOURI
JOCELYN N. WILDMAN
NUMBER PE-2020000098
PROFESSIONAL ENGINEER
06/26/2025

JOCELYN N. WILDMAN - ELECTRICAL ENGINEER
MO# PE-202000098

ISSUED FOR BID

CANNONDESIGN
1100 Clark Ave
St. Louis, MO 63102
P: 314.241.6250
F: 314.241.2570

Missouri State Certificate of Authority
Architecture: # 000051
Missouri State Certificate of Authority
Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE:06/26/2025

CAD DWG FILE:
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SHEET TITLE:

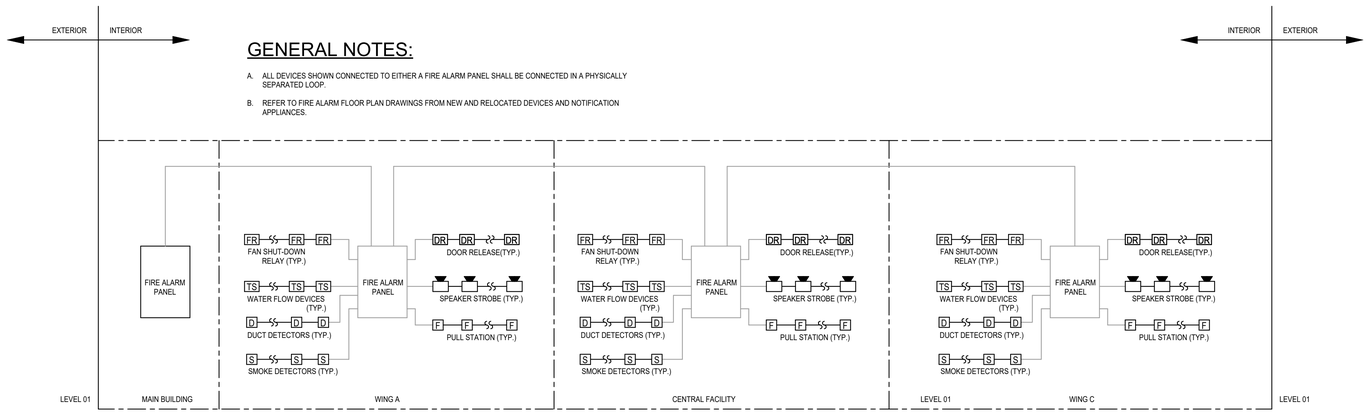
SYSTEMS DETAILS

SHEET NUMBER:

E-502

86 OF 93 SHEETS
06/26/2025

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1 FIRE ALARM RISER DIAGRAM

FIRE ALARM CONTROL BY EVENT SCHEDULE

EVENT (DEVICE ACTIVATED)	CONTROLLED RESPONSE: TRANSMIT ALARM TO BU PROTECTIVE SERVICES	TRANSMIT ALARM TO FACILITY CENTRAL CONTROL DEVICES	SOUND ALL AUDIBLE ALARMS PER SPEC	ACTIVATE ALL VISUAL ALARMS	INDICATE TIME & EVENT ON SYSTEM PRINTER	RELEASE HOLD OPEN FIRE AND SMOKE DOORS	RELEASE SECURITY DOOR LOCKS	SIGNAL LOCAL LIGHTING CONTROL FOR FULL BRIGHTNESS	SHUT DOWN AHU SUPPLY AND RETURN FANS	NOTIFY HVAC CONTROL SYSTEM VIA CONTACT	TRANSMIT TROUBLE SIGNAL TO FACILITY CENTRAL CONTROL DEVICES	CLOSE ASSOCIATED SMOKE DAMPER
"GENERAL"												
SPRINKLER WATERFLOW SWITCH	X	X	X	X	X	X	X	X	X	X		
SMOKE DETECTROR	X	X	X	X	X	X	X	X	X	X		
HEAT DETECTOR	X	X	X	X	X	X	X	X	X	X		
DUCT TYPE SMOKE DETECTOR	X	X	X	X	X	X	X	X	X	X		
MANUAL PULL STATION	X	X	X	X	X	X	X	X	X			
LOCAL SPRINKLER WATERFLOW SWITCH	X	X	X	X	X	X	X	X	X	X		
"AIR HANDLING EQUIPMENT"												
AHU/MAU SUPPLY DUCT TYPE SMOKE DETECTOR	X	X	X	X	X	X	X	X	X	X		X
AHU RETURN DUCT TYPE SMOKE DETECTOR	X	X	X	X	X	X	X	X	X	X		
"SUPERVISORY OPERATIONS"												
CENTRAL CONTROL EQUIPMENT DOOR OPEN					X						X	
FCC DRILL SWITCH (SEE SPECIFICATIONS)					X						X	
SPRINKLER VALVE TAMPER SWITCH					X						X	
SUPERVISED DEVICE/WIRING DISARRANGEMENT					X						X	

1. CONTROL BY EVENT SCHEDULE SHOWN FOR SYSTEM INTENT ONLY COORDINATE THE FINAL CONTROL SEQUENCE WITH THE FACILITES EXISTING SYSTEM.

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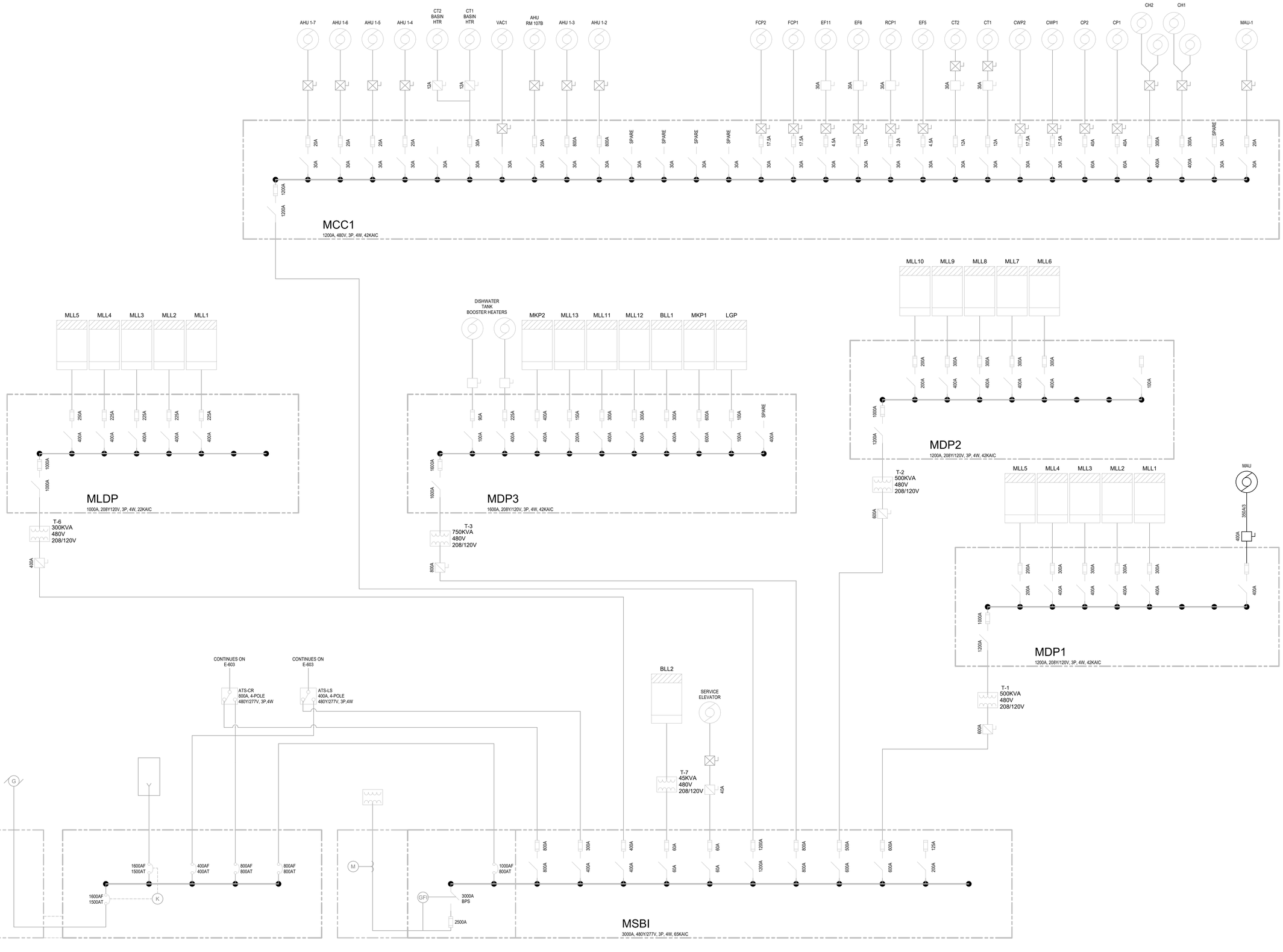
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SHEET TITLE:
FIRE ALARM RISER DIAGRAMS

SHEET NUMBER:
E-601

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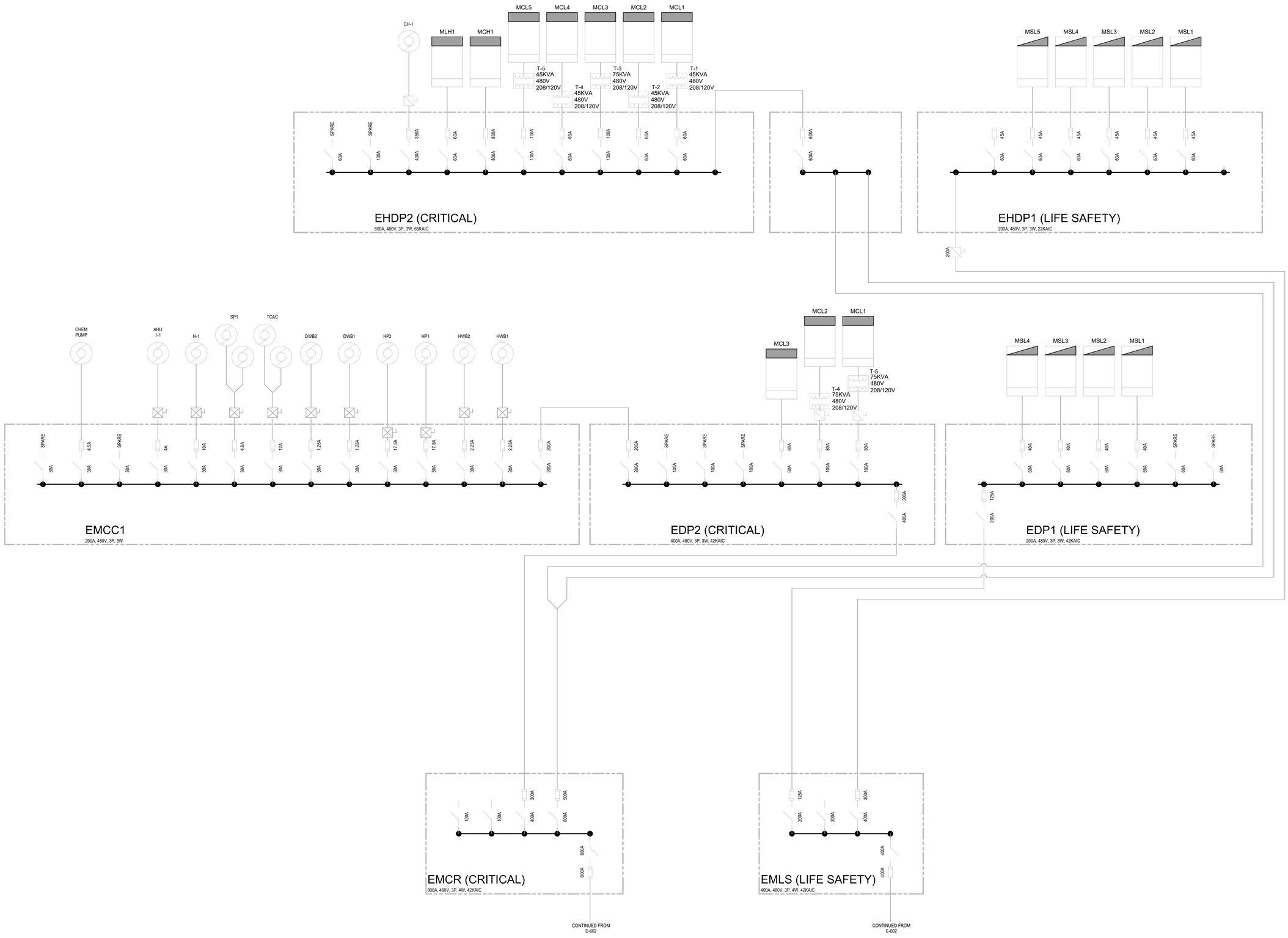
NORMAL POWER SINGLE-LINE DIAGRAM

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NUMBER PE-2020000098
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06/26/2025

JOCELYN N. WILDMAN - ELECTRICAL ENGINEER
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PROJECT # U2307-01

FACULTY # 8136804001

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SHEET TITLE:

EMEGENCY POWER SINGLE LINE DIAGRAM

SHEET NUMBER:

E-603

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WIRING TERMINATION SCHEDULE

ID	DESCRIPTION	VOLTAGE	PHASE	SOURCE PROTECTIVE DEVICE TYPE FUSE	SOURCE PROTECTIVE DEVICE TYPE BREAKER	SOURCE PROTECTIVE DEVICE POLE AMPS	SOURCE PROTECTIVE DEVICE POLES	PHASE QUANTITY	PHASE SIZE	NEUTRAL QUANTITY	NEUTRAL SIZE	GROUND QUANTITY	GROUND SIZE	CONDUIT QUANTITY	CONDUIT SIZE	CONNECTION TYPE	SPECIAL MOUNTING HEIGHT	REMARKS
BAS	BUILDING AUTOMATION SYSTEM PANEL	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	JB	CWM	
COF	COFFEE BREWER	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	D	SEE ELEVATIONS	
COP	COPIER	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	DR	SEE ELEVATIONS	
DRY	DRYER	208	2		X	30A	1	1	10	1	10	1	10	1	3/4	DR	CWM	
EAC	ELECTRONIC ACCESS CONTROL PANEL	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	JB	CWM	
EWC	ELECTRIC WATER COOLER	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	JB	SEE ELEVATIONS	
FACU	FIRE ALARM CONTROL UNIT	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	JB	CWM	
FAP	FIRE ALARM ANNUNCIATOR PANEL	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	JB	CWM	
GD	GARBAGE DISPOSAL	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	D	CWM	
ICE	ICE MACHINE	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	DR	SEE ELEVATIONS	
LCD	LCD SCREEN	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	DR	SEE ELEVATIONS	
MW	MICROWAVE	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	DR	SEE ELEVATIONS	
NAC	FIRE ALARM NAC PANEL	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	JB	CWM	
NEC	NURSE CALL EQUIPMENT CABINET	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	JB	CWM	
POD	POWER OPERATED DOOR	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	JB	CEILING	
REF	REFRIGERATOR	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	DR	SEE ELEVATIONS	
TV	TELEVISION	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	DR	SEE ELEVATIONS	
WSH	WASHING MACHINE	120	1		X	20A	1	1	12	1	12	1	12	1	3/4	DR	CWM	

ABBREVIATIONS:

MC OUTLET MOUNTED IN MILLWORK. FEED FROM FLOOR OR WALL AS REQUIRED.
GFI GFI OUTLET
IG ISOLATED GROUND OUTLET
AC ABOVE COUNTER OUTLET. COORDINATE HEIGHT WITH ARCHITECTURAL ELEVATION
N NORMAL OUTLET MOUNTING HEIGHT. REFER TO SPECIFICATION 262716.
WM OUTLET MOUNTED IN MULTIOUTLET ASSEMBLY.
V VARIES. (VERIFY)
CWM COORDINATE WITH EQUIPMENT MANUFACTURER.

CONNECTION TYPE:

CP CONTROL PANEL - MAKE DIRECT CONNECTION
D LOCAL DISCONNECT SWITCH MOUNTED NEAR UNIT. WIRE FROM DISCONNECT TO EQUIPMENT.
DR STANDARD NEMA 5-20R DUPLEX RECEPTACLE
JB JUNCTION BOX
DC DIRECT CONNECTION TO EQUIPMENT OR PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
RC RECEPTACLE TO MATCH EQUIPMENT.

Panel: MSL1 (EXISTING)

Location: ELECTRICAL/ MECHANICAL 225
Supply From:
Mounting: Surface
Enclosure: Type 1
Volts: 120/208 Wye
Wiring: 3-Phase 4-Wire
A.I.C. Rating (A):
Available Fault Current (A):
Mains Rating (A): 100
Mains Type:
Panel Options:

Remarks	CKT	Description	Poles	Size (A)	A (VA)		B (VA)		C (VA)		Size (A)	Poles	Description	CKT	Remarks
	1	TELEPHONE PANEL	1	20	0	672					20	1	2A LIGHTING	2	
	3	PA CONTROL UNIT	1	20			0	692			20	1	2B LIGHTING	4	
	5	FACP	1	20					0	692	20	1	1A LIGHTING	6	
	7	DOOR ALARM WING 1A,1B	1	20	0	692					20	1	1B LIGHTING	8	
	9	DOOR ALARM WING 2A, 2B	1	20			0	0			20	1	Spare	10	
	11	N.C. LIGHTING	1	20					1,168	0	20	1	Spare	12	
	13	OXYGEN VACUUM ALARM	1	20	0	0					20	1	Spare	14	
	15	FIRE PANEL 2B	1	20			0	0			20	1	Spare	16	
	17	FIRE PANEL 2A	1	20					0	0	20	1	Spare	18	
	19	FIRE PANEL 1B	1	20	0	0					20	1	FIRE PANEL 1A	20	
	21	NURSE CALL PANEL	1	20			0	0			20	1	FIRE PANEL N.C.	22	
	23	NURSE CALL PANEL	1	20					0	0	20	1	Spare	24	
				Total Load (VA):	1,364		692		1,860						
				Total (A):	12		6		16						

Load Classification	Connected Load	Applied Demand Factor*	Demand Load	Panel Totals	
Lighting	1840 VA	125.00%	2300 VA		
Spare	2076 VA	100.00%	2076 VA	**Total Connected Load (VA):**	3,916
				Total Demand Load (VA):	4,376
				Total Connected (A):	11
				Total Demand (A):	12

*Demand factor applied as outlined in Articles 220, 430, and 440 of the National Electrical Code

Remarks:

FEEDER DESIGNATIONS - COPPER CONDUCTOR

FEEDER ID	AMPS	PHASE WIRES (AWG)	NEUTRAL WIRES (AWG)	GND (AWG)	MIN. CONDUIT SIZE	FEEDER ID	AMPS	PHASE WIRES (AWG)	NEUTRAL WIRES (AWG)	GND (AWG)	MIN. CONDUIT SIZE
30/3	30	(3)#10		#10	3/4	400/3	400	(6)#3/0		(2)#2	(2)2
30/4	30	(3)#10	(1)#10	#10	3/4	400/4	400	(6)#3/0	(2)#3/0	(2)#2	(2)2-1/2
30/5	30	(3)#10	(1)#6	#10	3/4	400/5	400	(6)#3/0	(4)#3/0	(2)#2	(2)2-1/2
40/3	40	(3)#8		#10	3/4	500/3	500	(6)250KCMIL		(2)#2	(2)2-1/2
40/4	40	(3)#8	(1)#8	#10	1	500/4	500	(6)250KCMIL	(2)250KCMIL	(2)#2	(2)3
40/5	40	(3)#8	(1)#2	#10	1	500/5	500	(6)250KCMIL	(4)250KCMIL	(2)#2	(2)3
50/3	50	(3)#6		#10	1	600/3	600	(6)350KCMIL		(2)#1	(2)3
50/4	50	(3)#6	(1)#6	#10	1	600/4	600	(6)350KCMIL	(2)350KCMIL	(2)#1	(2)3
50/5	50	(3)#6	(1)#2	#10	1-1/4	600/5	600	(6)350KCMIL	(4)350KCMIL	(2)#1	(2)3-1/2
60/3	60	(3)#4		#10	1-1/4	700/3	700	(6)500KCMIL		(2)#1/0	(2)3
60/4	60	(3)#4	(1)#4	#10	1-1/4	700/4	700	(6)500KCMIL	(2)500KCMIL	(2)#1/0	(2)3-1/2
60/5	60	(3)#4	(1)1/0	#10	1-1/4	700/5	700	(6)500KCMIL	(4)500KCMIL	(2)#1/0	(2)4
70/3	70	(3)#4		#8	1-1/4	800/3	800	(9)300KCMIL		(3)#1/0	(3)2-1/2
70/4	70	(3)#4	(1)#4	#8	1-1/4	800/4	800	(9)300KCMIL	(3)300KCMIL	(3)#1/0	(3)3
70/5	70	(3)#4	(1)#1/0	#8	1-1/4	800/5	800	(9)300KCMIL	(6)300KCMIL	(3)#1/0	(3)3
90/3	90	(3)#2		#8	1-1/4	1000/3	1000	(9)400KCMIL		(3)#2/0	(3)3
90/4	90	(3)#2	(1)#2	#8	1-1/2	1000/4	1000	(9)400KCMIL	(3)400KCMIL	(3)#2/0	(3)3
90/5	90	(3)#2	(1)#3/0	#8	1-1/2	1000/5	1000	(9)400KCMIL	(6)400KCMIL	(3)#2/0	(3)3-1/2
100/3	100	(3)#1		#8	1-1/2	1200/3	1200	(12)350KCMIL		(4)#3/0	(4)3
100/4	100	(3)#1	(1)#1	#8	1-1/2	1200/4	1200	(12)350KCMIL	(4)350KCMIL	(4)#3/0	(4)3
100/5	100	(3)#1	(1)#3/0	#8	2	1200/5	1200	(12)350KCMIL	(8)350KCMIL	(4)#3/0	(4)3-1/2
125/3	125	(3)#1		#6	1-1/2	1500/3	1500	(12)500KCMIL		(4)#4/0	(4)3
125/4	125	(3)#1	(1)#1	#6	1-1/2	1500/4	1500	(12)500KCMIL	(4)500KCMIL	(4)#4/0	(4)3-1/2
125/5	125	(3)#1	(1)250KCMIL	#6	2	1500/5	1500	(12)500KCMIL	(8)500KCMIL	(4)#4/0	(4)4
150/3	150	(3)#1/0		#6	1-1/2	1600/3	1600	(15)400KCMIL		(5)#4/0	(5)3
150/4	150	(3)#1/0	(1)#1/0	#6	2	1600/4	1600	(15)400KCMIL	(5)400KCMIL	(5)#4/0	(5)3-1/2
150/5	150	(3)#1/0	(2)#1/0	#6	2	1600/5	1600	(15)400KCMIL	(10)400KCMIL	(5)#4/0	(5)3-1/2
175/3	175	(3)#2/0		#6	2	2000/3	2000	(18)400KCMIL		(6)250KCMIL	(6)3
175/4	175	(3)#2/0	(1)#2/0	#6	2	2000/4	2000	(18)400KCMIL	(6)400KCMIL	(6)250KCMIL	(6)3-1/2
175/5	175	(3)#2/0	(2)#2/0	#6	2-1/2	2000/5	2000	(18)400KCMIL	(12)400KCMIL	(6)250KCMIL	(6)3-1/2
200/3	200	(3)#3/0		#6	2	2500/3	2500	(24)400KCMIL		(8)350KCMIL	(8)3
200/4	200	(3)#3/0	(1)#3/0	#6	2	2500/4	2500	(24)400KCMIL	(8)400KCMIL	(8)350KCMIL	(8)3-1/2
200/5	200	(3)#3/0	(2)#3/0	#6	2-1/2	2500/5	2500	(24)400KCMIL	(16)400KCMIL	(8)350KCMIL	(8)3-1/2
225/3	225	(3)#4/0		#4	2	3000/3	3000	(24)500KCMIL		(8)400KCMIL	(8)3-1/2
225/4	225	(3)#4/0	(1)#4/0	#4	2-1/2	3000/4	3000	(24)500KCMIL	(8)500KCMIL	(8)400KCMIL	(8)3-1/2
225/5	225	(3)#4/0	(2)#4/0	#4	3	3000/5	3000	(24)500KCMIL	(16)500KCMIL	(8)400KCMIL	(8)4
250/3	250	(3)250KCMIL		#4	2-1/2	3200/3	3200	(27)500KCMIL		(9)500KCMIL	(9)3-1/2
250/4	250	(3)250KCMIL	(1)250KCMIL	#4	3	3200/4	3200	(27)500KCMIL	(9)500KCMIL	(9)500KCMIL	(9)4
250/5	250	(3)250KCMIL	(2)250KCMIL	#4	3	3200/5	3200	(27)500KCMIL	(18)500KCMIL	(9)500KCMIL	(9)4
300/3	300	(3)350KCMIL		#4	3	4000/3	4000	(33)500KCMIL		(11)500KCMIL	(11)3-1/2
300/4	300	(3)350KCMIL	(1)350KCMIL	#4	3	4000/4	4000	(33)500KCMIL	(11)500KCMIL	(11)500KCMIL	(11)4
300/5	300	(3)350KCMIL	(2)350KCMIL	#4	3-1/2	4000/5	4000	(33)500KCMIL	(22)500KCMIL	(11)500KCMIL	(11)4
350/3	350	(3)500KCMIL		#2	3						
350/4	350	(3)500KCMIL	(1)500KCMIL	#2	3-1/2						
350/5	350	(3)500KCMIL	(2)500KCMIL	#2	4						

TRANSFORMER SECONDARY FEEDER DESIGNATIONS - COPPER CONDUCTORS

FEEDER ID	XFMR SIZE (KVA)	PHASE WIRES (AWG)	NEUTRAL WIRES (AWG)	SUPPLY-SIDE BONDING JUMPER (AWG)	MIN. CONDUIT SIZE	GEC	FEEDER ID	XFMR SIZE (KVA)	PHASE WIRES (AWG)	NEUTRAL WIRES (AWG)	SUPPLY-SIDE BONDING JUMPER (AWG)	MIN. CONDUIT SIZE	GEC
30/T4	9	(3)#8	(1)#8	#8	1	A	500/T4	150	(6)250KCMIL	(2)250KCMIL	(2)#1/0	(2)3	D
30/T5	9	(3)#8	(1)#2	#8	1	A	500/T5	150	(6)250KCMIL	(4)250KCMIL	(2)#1/0	(2)3	D
50/T4	15	(3)#6	(1)#6	#8	1	A	800/T4	225	(9)300KCMIL	(3)300KCMIL	(3)#2/0	(3)3	E
50/T5	15	(3)#6	(1)#2	#8	1-1/4	A	800/T5	225	(9)300KCMIL	(6)300KCMIL	(3)#2/0	(3)3	E
100/T4	30	(3)#1	(1)#1	#6	1-1/2	B	1000/T4	300	(9)400KCMIL	(3)400KCMIL	(3)#3/0	(3)3-1/2	F
100/T5	30	(3)#1	(1)#3/0	#6	2	B	1000/T5	300	(9)400KCMIL	(6)400KCMIL	(3)#3/0	(3)3-1/2	F
150/T4	45	(3)#1/0	(1)1/0	#6	2	B	1600/T4	500	(15)400KCMIL	(5)400KCMIL	(5)250KCMIL	(5)3-1/2	G
150/T5	45	(3)#1/0	(2)#1/0	#6	2	B	1600/T5	500	(15)400KCMIL	(10)400KCMIL	(5)250KCMIL	(5)3-1/2	G
250/T4	75	(3)250KCMIL	(1)250KCMIL	#2	3	C	2500/T4	750	(24)400KCMIL	(8)400KCMIL	(8)400KCMIL	(8)3-1/2	H
250/T5	75	(3)250KCMIL	(2)250KCMIL	#2	3	C	2500/T5	750	(24)400KCMIL	(16)400KCMIL	(8)400KCMIL	(8)3-1/2	H
400/T4	112.5	(6)#3/0	(2)#3/0	(2)#1/0	(2)2-1/2	D	3000/T4	1000	(24)500KCMIL	(8)500KCMIL	(8)500KCMIL	(8)3	I
400/T5	112.5	(6)#3/0	(4)#3/0	(2)#1/0	(2)2-1/2	D	1000/T5	1000	(24)500KCMIL	(16)500KCMIL	(8)500KCMIL	(8)3-1/2	I

CONDUIT METRIC CONVERSIONS:

INCHES	MM
1/2	16
3/4	21
1	27
1-1/4	32
1-1/2	41
2	53
2-1/2	63
3	78
4	103
5	129
6	155

CONDUCTOR METRIC CO VERSIONS:

AWG	SQMM
10	5.26
8	8.38
6	13.3
4	21
2	34
1	42
1/0	54
2/0	67
3/0	85
4/0	107
250	127
300	152
350	178
400	203
500	254

SECONDARY DERIVED SYSTEM GROUNDING ELECTRODE CONDUCTOR (GEC):

TAG	CONDUCTOR (AWG)	MIN. CONDUIT SIZE (IN)
A	(1)8	1/2
B	(1)6	1/2
C	(1)2	1/2
D	(1)1/0	3/4
E	(1)2/0	1
F	(1)3/0	1
G	(1)250KCMIL	1-1/4
H	(1)400KCMIL	1-1/4
I	(1)500KCMIL	1-1/2

MULTI-SERIVCE BOX SCHEDULE

BOX ID	LOCATION / TYPE: FLOOR - SINGLE SERVICE	FLOOR - MULTI-SERVICE	FLOOR - LARGE CAPACITY (1-6 GANG)	FLOOR - X-LARGE CAPACITY (6-10 GANG)	FLOOR - STAGE	POKE THRU (4")	POKE THRU LARGE CAPACITY (6" OR 8")	RAISED FLOOR	WALL - MULTI-SERVICE	CEILING - MULTI-SERVICE	TABLE TOP - MULTI-SERVICE	ACCESS: CONCEALED	EXPOSED	SERVICE COVERS/ DEVICE FITTINGS: ROUND	SQUARE	RECTANGULAR	FLUSH (TILE)	SEMI-FLUSH	RECESSED	TOMBSTONE	"WHIP" FURNITURE FEED	COVER FINISH (METAL)	COVER COLOR (PAINT)	MATERIALS: CAST IRON	STAMPED STEEL	NON-METALLIC	CARPET FLANGE	TILE FLANGE	FEATURES: # OF GANGS	FIRE CLASSIFIED	MULTI-SERVICE FLOOR BOX DEPTH	LARGE/ X-LARGE CAPACITY FLOOR BOX DEPTH	REMARKS
WCR1									X			X						X					X		X				2		3 7/8"		
WEW1									X				X								X												

FINISHES:
AL ALUM
BR BRASS
BZ BRONZE
PT PAINT (POLYESTER POWDER COAT)

COLORS:
G GRAY
B BLACK

REMARKS:
1. STAMPED STEEL SHALL BE TREATED FOR ON GRADE INSTALLATION.

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STATE OF MISSOURI
MIKE KEHOE, GOVERNOR

STATE OF MISSOURI
JOCELYN N. WILDMAN
NUMBER PE-2020000098
PROFESSIONAL ENGINEER
06/26/2025

JOCELYN N. WILDMAN - ELECTRICAL ENGINEER
MO# PE-202000098

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Missouri State Certificate of Authority
Architecture: # 000051
Missouri State Certificate of Authority
Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE:06/26/2025

CAD DWG FILE:
DRAWN BY: CD
CHECKED BY: CD
DESIGNED BY: CD

SHEET TITLE:
POWER SCHEDULES

SHEET NUMBER:
E-604

90 OF 93 SHEETS
06/26/2025

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EQUIPMENT CONNECTION / MOTOR CONTROLLER SCHEDULE

EQUIPMENT DESIGNATION	DESCRIPTION	EQUIPMENT / MOTOR DATA: HP	KW	FLA	NORMAL POWER	EMERGENCY POWER	VOLTAGE	PHASE	CONTROLLER DATA: MOUNTING: PACKAGED	SEPARATE	MCC	TYPE	NEMA SIZE	OVERCURRENT PROTECTIVE DEVICE: MCP	FUSE	RATING	SINGLE PHASE PROTECTION	NEMA ENCLOSURE	WEIGHT (LBS)	LOCATION	LOCAL DISCONNECT SWITCH: OVERCURRENT PROTECTION DEVICE: MCP	FUSE	RATING	NEMA ENCLOSURE	WEIGHT (LBS)	LOCATION	SOURCE PROTECTIVE DEVICE: TYPE: MCP	FUSE	BREAKER	POLE AMPS	PANELBOARD OR MCC	WIRING: PHASE: QUANTITY	SIZE	NEUTRAL: QUANTITY	SIZE	GROUND: QUANTITY	SIZE	CONDUIT: QUANTITY	SIZE	CONNECTION TYPE	REMARKS	Sheets
EF-01	EXHAUST FAN	3/4			X		120	1		X		TS									CONTROLLER						CONTROLLER			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC			
EF-02	EXHAUST FAN	1/4			X		120	1		X		TS									CONTROLLER						CONTROLLER			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC			
EF-03	EXHAUST FAN	1/2			X		120	1		X		TS									CONTROLLER						CONTROLLER			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC			
EF-04	EXHAUST FAN	1/2			X		120	1		X		TS									CONTROLLER						CONTROLLER			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC			
FCU-01	FAN COIL UNIT		.118		X		120	1	X												AT UNIT						AT UNIT			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC	2		
FCU-02	FAN COIL UNIT		.092		X		120	1	X												AT UNIT						AT UNIT			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC	2		
FCU-03	FAN COIL UNIT		.154		X		120	1	X												AT UNIT						AT UNIT			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC	2		
FCU-04	FAN COIL UNIT		.179		X		120	1	X												AT UNIT						AT UNIT			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC	2		
FFU-01	FAN FILTER UNIT		.185		X		120	1	X												AT UNIT						AT UNIT			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC			
MAU-01	MAKE UP AIR UNIT		120		X		208	3	X												AT UNIT						AT UNIT			X	400	NOTE 1	3	500MCM			1	2	1	4"	DC			
RP-01	RADIANT PANEL		.75		X		120	1		X		TS									CONTROLLER						CONTROLLER			X	20	NOTE 1	1	12	1	12	1	12	1	3/4"	DC			

CONTROLLER TYPE:

AL ACROSS THE LINE H-O-A
ALC ACROSS THE LINE COMBINATION DISCONNECT H-O-A
ALO ACROSS THE LINE COMBINATION DISCONNECT O-H
RV REDUCED VOLTAGE
RVC REDUCED VOLTAGE COMBINATION DISCONNECT
2S TWO SPEED
VSD VARIABLE SPEED DRIVE
TS FRACTIONAL HP MANUAL STARTER

*MINIMUM MOTOR CIRCUIT PROTECTOR (MCP) FRAME SIZE SHALL BE BASED ON LISTED POLE AMPS

GENERAL NOTES:

A. FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE MADE BY DIVISION 26 INTERCONNECT ALL ASSOCIATED EQUIPMENT ELECTRICAL DEVICES.

B. VERIFY ALL RECEPTACLE TYPES AND BRANCH WIRING WITH EQUIPMENT SUPPLIER FOR COORDINATION OF EQUIPMENT PLUGS AND WIRING PRIOR TO INSTALLATION

CONNECTION TYPE:

CP CONTROL PANEL - MAKE DIRECT CONNECTION
DR STANDARD NEMA 5-20R DUPLEX RECEPTACLE
JB JUNCTION BOX
DC DIRECT CONNECTION TO EQUIPMENT
RC RECEPTACLE TO MATCH EQUIPMENT PLUG

LOCATION

NU NEAR UNIT
OU ON UNIT
PCU PACKAGE CONTROL UNIT
MCC MOTOR CONTROL CENTER

REMARKS:

1. REFER TO POWER SHEETS FOR PANEL DESIGNATION.
2. CIRCUIT CONDENSATE PUMP FOR THE FAN COIL UNIT FROM THE SAME CIRCUIT.

Panel: MLL5 (EXISTING)

Location: ELECTRICAL/ MECHANICAL 225
Supply From:
Mounting: Surface
Enclosure: Type 1
Panel Options:

Volts: 120/208 Wye
Wiring: 3-Phase 4-Wire

A.I.C. Rating (A):
Available Fault Current (A):
Mains Rating (A): 200
Mains Type:

Remarks	CKT	Description	Poles	Size (A)	A		B		C		Size (A)	Poles	Description	CKT	Remarks
	1	EXISTING VENDING	1	20	360	940					20	1	EXISTING - REC	2	
	3	EXISTING VENDING	1	20			180	1,080			20	1	EXISITING REC RM 230/232	4	
	5	REC RM 203	1	20					720	600	20	1	NEW REC RM 224.1/230/230.1/232	6	
	7	EXISITING	1	20	1,080	360					20	1	Receptacles	8	
	9	EXISITING	1	20			400	360			20	1	EXISTING REC RM 233	10	
	11	EXISITING	1	20					360	1,080	20	1	EXISTING REC RM 237/239/241	12	
	13	EXISITING	1	20	360	540					20	1	EXISTING AND REC RM 243	14	
	15	EXISITING AND NEW RM 261/210	1	20			560	1,880			20	1	EXISTING AND NEW RM...	16	
	17	EXISITING AND NEW REC RM 261	1	20					880	720	20	1	REC RM 201/205	18	
	19	EXISTING AND NEW REC 222/200	1	20	380	1,088					20	1	LTG	20	
	21	TV REC 236	1	20			500	568			20	1	LTG	22	
	23	REC RM 235	1	20					900	512	20	1	LTG	24	
	25	REC RM 202/210	1	20	720	400					20	1	LTG	26	
	27	EWC	1	20			0	596			20	1	LTG	28	
	29	EXAUST FAN AND DAMPERS	1	20					0	576	20	1	LTG	30	
	31	WANDERGUARD	1	20	0	696					20	1	LTG	32	
	33	STOR RM 233	1	20			180	624			20	1	LTG	34	
	35	FFU-01	1	20					370	720	20	1	REC RM 271	36	
	37	FFU-01	1	20	555	360					20	1	REC RM 271	38	
	39	EF-04 238	1	20			500	360			20	1	REC RM 244	40	
	41	EF-01 225	1	20					1,200	360	20	1	REC RM	42	
	43	RP-01 230.1	1	20	750	0					20	1	EXISTING	44	
	45	EF-01 202	1	20			984	0			20	1	EXISTING	46	
	47	FCU-03 224	1	20					1,176	0	20	1	EXISTING	48	
	49	Spare	3	40	0	0					30	2	EXISTING	50	
	51	--	--	--			0	0			--	--	--	52	
	53	--	--	--					0	1,500	20	1	TUB RM 224	54	1
1	55	TUB RM 222	1	20	1,500	740					20	1	FFU-01	56	
	57	FFU-01	1	20			370	370			20	1	FFU-01	58	
	59	Spare	1	20					0	0	20	1	Spare	60	
				Total Load (VA):	10,829		9,512		11,674						
				Total (A):	92		79		99						

Load Classification	Connected Load	Applied Demand Factor*	Demand Load	Panel Totals	
Lighting	5060 VA	125.00%	6325 VA		
Motor	4610 VA	100.00%	4610 VA	**Total Connected Load (VA):**	32,015
Receptacles	12700 VA	89.37%	11350 VA	**Total Demand Load (VA):**	31,930
Receptacle	9645 VA	100.00%	9645 VA	**Total Connected (A):**	89
				Total Demand (A):	89

*Demand factor applied as outlined in Articles 220, 430, and 440 of the National Electrical Code

Remarks:

1. PROVIDE WITH 5mA GFCI TYPE CIRCUIT BREAKER.

Panel: MCL1 (EXISTING)

Location: ELECTRICAL/ MECHANICAL 225
Supply From:
Mounting: Surface
Enclosure: Type 1
Panel Options:

Volts: 120/208 Wye
Wiring: 3-Phase 4-Wire

A.I.C. Rating (A):
Available Fault Current (A):
Mains Rating (A): 200
Mains Type:

Remarks	CKT	Description	Poles	Size (A)	A		B		C		Size (A)	Poles	Description	CKT	Remarks
	1	NEW RECPTACLES 2A	1	20	0	720					20	1	NEW RECPTACLES WING 2B	2	
	3	NEW RECPTACLES 2A	1	20			0	540			20	1	NEW RECPTACLES WING 2B	4	
	5	ADD NEW RECPTACLES 2A	1	20					0	720	20	1	ADD NEW RECPTACLES WING 2B	6	
	7	NEW RECPTACLES WING 1A	1	20	720	720					20	1	NEW RECPTACLES WING 1B	8	
	9	NEW RECPTACLES WING 1A	1	20			540	540			20	1	NEW RECPTACLES WING 1B	10	
	11	ADD NEW RECPTACLES WING 1A	1	20					720	720	20	1	NEW RECPTACLES WING 1B	12	
	13	EXISTING - AHU-2A	3	30	0	0					30	3	EXISTING - AHU-2B	14	
	15	--	--	--			0	0			--	--	--	16	
	17	--	--	--					0	0	--	--	--	18	
	19	EXISTING - AHU-1A	3	30	0	0					30	3	EXISTING - AHU-1B	20	
	21	--	--	--			0	0			--	--	--	22	
	23	--	--	--					0	0	--	--	--	24	
	25	EXISTING - REC	1	20	540	360					20	1	EXISTING - REC	26	
	27	EXISTING - REC	1	20			180	360			20	1	EXISTING - REC	28	
	29	EXISTING AND NEW - REC	1	20					1,440	180	20	1	EXISTING - REC	30	
	31	EXISTING - REC	1	20	540	0					20	1	EXISTING	32	
	33	EXISTING - REC	1	20			540							34	
	35	EXISTING - AHU A CORE	3	3					0	0	20	1	EXISTING	36	
	37	--	--	--	0	0					20	1	EXISTING	38	
	39	--	--	--			0	0			20	1	EXISTING	40	
	41	EXISTING	1	20					0	0	20	1	EXISTING	42	
	43	EXISTING	1	20	0	0					20	1	EXISTING	44	
	45	EXISTING	1	20			0	0			20	1	EXISTING	46	
	47	EXISTING	1	20					0	0	20	1	FIRE ALARM	48	
	49	EXISTING	2	30	0	495					20	1	NIGHT LIGHTS WING 1B	50	
	51	--	--	--			0	585			20	1	NIGHT LIGHTS WING 2B	52	
	53	Spare	1	20					0	585	20	1	NIGHT LIGHTS WING 1A	54	
	55	Spare	1	20	0	585					20	1	NIGHT LIGHTS WING 2A	56	
	57	Spare	1	20			0	0			20	1	Spare	58	
	59	Spare	1	20					0	0	20	1	Spare	60	
				Total Load (VA):	4,680		3,285		4,365						
				Total (A):	40		27		38						

Load Classification	Connected Load	Applied Demand Factor*	Demand Load	Panel Totals	
Lighting	495 VA	125.00%	619 VA		
Receptacles	6120 VA	100.00%	6120 VA	**Total Connected Load (VA):**	12,330
Spare	5715 VA	100.00%	5715 VA	**Total Demand Load (VA):**	12,454
				Total Connected (A):	34
				Total Demand (A):	35

*Demand factor applied as outlined in Articles 220, 430, and 440 of the National Electrical Code

Remarks:

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STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

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JOCELYN N. WILDMAN
NUMBER PE-2020000098
PROFESSIONAL ENGINEER
06/26/2025

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Architecture: # 000051
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Engineering: #000847

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DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF PUBLIC SAFETY, MISSOURI VETERANS COMMISSION

ST. LOUIS VETERANS HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE:06/26/2025

CAD DWG FILE:
DRAWN BY: CD
CHECKED BY: CD
DESIGNED BY: CD

SHEET TITLE:

POWER SCHEDULES

SHEET NUMBER:

E-605

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Panel: MLL1 (EXISTING)

Location: ELEC 154
Supply From:
Mounting: Surface
Enclosure: Type 1
Panel Options:

Volts: 120/208 Wye
Wiring: 3-Phase 4-Wire

A.I.C. Rating (A):
Available Fault Current (A):
Mains Rating (A): 400
Mains Type:

Remarks	CKT	Description	Poles	Size (A)	A		B		C		Size (A)	Poles	Description	CKT	Remarks
	1	KITCHEN REF	1	20	180	1,040					20	1	EXISITNG AND NEW REC RM 112	2	
	3	KITCHEN GENERAL/ICE	1	20			600	560			20	1	EXISITNG AND NEW REC RM 112	4	
	5	EXISTING AND NEW REC	1	20					1,080	1,000	20	1	BED REC 112	6	
	7	EXISITNG AND NEW REC RM 104	1	20	560	680					20	1	REC 161	8	
	9	EXISITNG AND NEW REC RM 104	1	20			860	360			20	1	REC 161	10	
	11	EXISITNG AND NEW REC RM 105	1	20					540	540	20	1	REC 151	12	
	13	EXISITNG AND NEW REC RM 105	1	20	680	560					20	1	EXISITNG AND NEW REC RM 103	14	
	15	EXISITNG AND NEW REC RM 106	1	20			380	860			20	1	EXISITNG AND NEW REC RM 103	16	
	17	EXISITNG AND NEW REC RM 106	1	20					180	560	20	1	EXISITNG AND NEW REC RM 102	18	
	19	NEW REC IN CLOSETS	1	20	540	1,680					20	1	EXISITNG AND NEW REC RM 102	20	
	21	EXISITNG AND NEW REC RM 108	1	20			560							22	
	23	EXISITNG AND NEW REC RM 108	1	20					860	560	20	1	EXISITNG AND NEW REC RM 101	24	
	25	REC COF 162	1	20	200	1,680					20	1	EXISITNG AND NEW REC RM 101	26	
	27	EXISITNG AND NEW REC RM 109	1	20			380							28	
	29	EXISITNG AND NEW REC RM 109	1	20					1,180	880	20	1	EXISITNG AND NEW REC RM 100	30	
	31	REC MW 162	1	20	200	540					20	1	EXISITNG AND NEW REC RM 100	32	
	33	EXISITNG AND NEW REC RM 110	1	20			680							34	
	35	EXISITNG AND NEW REC RM 110	1	20					680	1,000	20	1	BED REC 108	36	
	37	EXISITNG AND NEW REC RM 111	1	20	1,060	1,000					20	1	BED REC 107	38	
	39	EXISITNG AND NEW REC RM 111	1	20			360	1,360			20	1	EXISITNG AND NEW REC RM 107	40	
	41	BED REC 106	1	20					1,000	380	20	1	EXISITNG AND NEW REC RM 107	42	
	43	LIGHTING CORE	1	20	1,082	1,606					20	1	LIGHTING CORE	44	
	45	ROOM LIGHTING 100-103	1	20			980	870			20	1	ROOM LIGHTING 104-107	46	
	47	ROOM LIGHTING 108-112	1	20					1,070	0	20	1	FCU RM 103	48	
	49	FCU RM 105-107	1	20	0	0					20	1	FCU RM 101-102	50	
	51	FCU RM 108-110	1	20			0	0			20	1	FCU RM 104	52	
	53	FCU RM 111-112	1	20					0	0	20	1	EXISITING	54	
	55	EXISITING	1	20	0	0					20	1	EXISITING	56	
	57	EXISTING	1	20			0	0			20	1	EXISITING	58	
	59	EXISITING	1	20					0	0	20	1	EXISITING	60	
	61	EXISITING	1	20	0	0					20	1	EXISITING	62	
	63	EXISITING	1	20			0	750			20	1	RP-01 RM 112.1	64	
	65	RP-01 110.1, 109.1	1	20					750	984	20	1	EF-03 RM 112	66	
	67	EF-01 RM 110	1	20	1,200	330					20	1	FCU-01 RM 164	68	
	69	RP-01 106.1, 105.1	1	20			750	456			20	1	FCU-04 RM 163	70	
	71	EF-01 RM 106	1	20					576	350	20	1	FCU-02 RM161	72	
	73	FCU-01 RM 100	1	20	330	1,500					20	1	RP-01 102.1, 101.1	74	
	75													76	
	77	BED REC 103	1	20					1,000	1,000	20	1	BED REC 102	78	
	79	BED REC 101	1	20	1,000	1,000					20	1	BED REC 100	80	
	81	Spare	1	20			0	1,200			20	1	EF-01 RM 101	82	
	83	Spare	1	20					0	0	20	1	Spare	84	
				Total Load (VA):	18,648		11,966		16,170						
				Total (A):	161		100		140						

Load Classification	Connected Load	Applied Demand Factor*	Demand Load	Panel Totals	
Lighting	5608 VA	125.00%	7010 VA		
Motor	9176 VA	100.00%	9176 VA	**Total Connected Load (VA):**	46,784
Receptacles	28800 VA	67.36%	19400 VA	**Total Demand Load (VA):**	38,786
Receptacle	3200 VA	100.00%	3200 VA	**Total Connected (A):**	130
				Total Demand (A):	108

*Demand factor applied as outlined in Articles 220, 430, and 440 of the National Electrical Code

Remarks:

*Demand factor applied as outlined in Articles 220, 430, and 440 of the National Electrical Code

Remarks:

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STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR

STATE OF MISSOURI
JOCELYN N. WILDMAN
NUMBER PE-2020000098
PROFESSIONAL ENGINEER
06/26/2025

JOCELYN N. WILDMAN - ELECTRICAL ENGINEER
MO# PE-202000098

ISSUED FOR BID

CANNONDESIGN
1100 Clark Ave
St. Louis, MO 63102
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Missouri State Certificate of Authority
Architecture: # 000051
Missouri State Certificate of Authority
Engineering: #000847

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF
PUBLIC SAFETY, MISSOURI
VETERANS COMMISSION

ST. LOUIS VETERANS
HOME RENOVATION

ST. LOUIS, MISSOURI

PROJECT # U2307-01

FACULTY # 8136804001

REVISION DATE

ISSUE DATE:06/26/2025

CAD DWG FILE:
DRAWN BY: CD
CHECKED BY: CD
DESIGNED BY: CD

SHEET TITLE:

POWER SCHEDULES

SHEET NUMBER:

E-606

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LUMINAIRE SCHEDULE

TAG	DESCRIPTION	INSTALLATION METHOD	DEPTH/ HEIGHT	LIGHT SOURCE		DRIVER		INPUT WATTS	MIN. EFF.	SHIELDING/OPTICS	FEATURES/OPTIONS	REFERENCED PRODUCTS	NOTES
				SPEC	QTY	SPEC	VOLT						
AB	EXISTING - 2X4 TROFFER	RECESSED											2
JA	EXISTING - DOME LIGHT	SURFACE											2
PA	EXISTING - PENDANT	SURFACE											2
RA	EXISTING - 2X4 TROFFER	RECESSED											2
RC	EXISTING - 2X4 TROFFER	RECESSED											2
RD	EXISTING - 1X4 TROFFER	RECESSED											1, 2
RE	EXISTING - 1X4 TROFFER	RECESSED											2
RG	EXISTING - 2X4 TROFFER	RECESSED											2
DL1	6" APERTURE LED DOWNLIGHT	RECESSED	6-1/8"	LED 3000K 1000 LUM 85 CRI		INTEGRAL LED DRIVER 0-10V DIM TO 10%	120	≤20w	50 LM/W	COMFORT CLEAR DIFFUSE RELECTOR, MEDIUM WIDE DISTRIBUTION	SELF-FLANGE, PAINTED WHITE, U.N.O	LITHONIA - LDN4 GOTHAM-EVO4-OPEN WDIM FOCAL POINT - FL4D PHILIPS-LIGHTOLIER - C4L10DL PORTFOLIO - LD4	
DL2	6" APERTURE SHOWER LED DOWNLIGHT WET LABEL	RECESSED	6-1/8"	LED 3000K 1000 LUM 85 CRI		INTEGRAL LED DRIVER 0-10V DIM TO 10%	120	31W	35 LM/W	REGRESSED GASKETED LENS	16 GAUGE STEEL HOUSING, SLEF-FLANGE, WHITE, NON-CONDUCTIVE TRIM	LITHONIA - LDN4 GOTHAM-EVO4-OPEN PATHWAY LTG - 6VLEDWL-1100-LENSED KIRLIN LRR-05435	
DL3	6" APERTURE LED DOWNLIGHT	SURFACE	6"	LED 3000K 1200 LUM 90 CRI		INTEGRAL LED DRIVER 0-10V DIM TO 5%	120	31W	35 LM/W		ULTRA-LOW PROFILE SURFACE MOUNT WITH WIDE DISTRIBUTION	HALO - SLD6 PHILIPS-LIGHTOLIER - SSR LIGHTOLIER - CR-6RLM LIGHTOLIER - CR-LMCCT	
DL4	6" APERTURE LED DOWNLIGHT	SURFACE	6"	LED 3000K 1500 LUM 90 CRI		INTEGRAL LED DRIVER 0-10V DIM TO 10%	120	17W	85 LM/W	FLANGE- ALUMINUM WHITE PAINTED WITH BAFFLE	COMMERCIAL RETROFIT DOWNLIGHT	LIGHTOLIER - CR-6RLM LIGHTOLIER - CR-LMCCT HALO - SLD6 PHILIPS-LIGHTOLIER - SSR	
NL1	3"X5" AMBER LED NIGHT LIGHT	RECESSED WALL	1-15/16"	LED AMBER COLOR 30 LUM		INTEGRAL LED DRIVER 0-10V	120	5W	63LM/W	COLORED AMBER LENSES SHIP WITH FIXTURE TO FIELD CONVERT WHITE LED TO AMBER, BY REPLACING CLEAR LENS WITH AMBER LENS	LOUVERED FACE PLATE, ANTI-MICROBIAL WHITE, MATTE FINISH	FAIL-SAFE - MLN-AMBER KENALL - MSL SERIES	
WM1	VANITY LIGHT WET LABEL	WALL MOUNTED	4"	LED 3000K 1300 LUM 80 CRI		INTEGRAL LED DRIVER 0-10V	120	24W		ACRYLIC DIFFUSER	STEEL HOUSING.	MODERN FORMS - WS-W81619-19 MAXIMUM - SPEC 1 52002 VISA LIGHTING - SHINE OW5524	

LUMINAIRE SCHEDULE

TAG	DESCRIPTION	INSTALLATION METHOD	DEPTH/ HEIGHT	LIGHT SOURCE		DRIVER		INPUT WATTS	MIN. EFF.	SHIELDING/OPTICS	FEATURES/OPTIONS	REFERENCED PRODUCTS	NOTES
				SPEC	QTY	SPEC	VOLT						
WM2	BED LIGHT	WALL MOUNTED	1 3/4"	LED 3000K 400 LM/FT		INTEGRAL LED DRIVER 0-10V	120	18W		HIGH PERFORMANCE LENS, DIFFUSER, AND METAL REFLECTOR	RECTANGULAR HOUSING FORMED WITH COLD ROLLED STEEL WITH DIE-CAST ENDCAPS	PEERLESS - BRW9L PHILIPS - CAREWELL ECO LED	
PL1	PENDANT LIGHT	SURFACE MOUNT	29"	LED 3000K 3000LM CRI > 83		INTEGRAL LED DRIVER 0-10V	120	66.3		SATIN ETCHED CASED OPAL GLASS SHAPE	OLDE BRONZE TAPERED COLUMN PENDANT.	KICHLER - AUBREY MINI PENDANT	
LX1	ILLUMINATED "EXIT" SIGN-AC TYPE	SURFACE MOUNT WALL OR CEILING MOUNT		LED		INTEGRAL LED DRIVER	120	5W		STENCIL CUT, CODE SIZE "EXIT" LETTERS & DIRECTIONAL CHEVRON(S)-RED ACRYLIC SHEET BACKING	DIE-CAST ALUMINUM HOUSING-SINGLE/DOUBLE FACE-WITH DIRECTIONAL CHEVRONS AS SHOWN	SURE-LITES - EUR LITHONIA - EDG	

GENERAL NOTES:

A REFERENCED PRODUCTS ARE INCLUDED HEREIN, OF MANUFACTURERS & PRODUCTS, THAT GENERALLY CONFORM TO THE LUMINAIRE DESIGN INTENTS ESTABLISHED HEREIN, & IN THE PROJECT MANUAL. EQUIVALENT PRODUCTS BY OTHER MANUFACTURERS MAY BE CONSIDERED, PRIOR TO BID.

B DETERMINE SPECIFIC LUMINAIRE PART NUMBERS BASED ON THE REFERENCED PRODUCT SERIES, WRITTEN DESCRIPTIONS & PROJECT MANUAL SPECIFICATIONS.

C INCLUSION HEREIN OF MANUFACTURER'S SERIES &/OR MODEL NUMBERS DOES NOT IMPLY UNCONDITIONAL PRODUCT APPROVAL - MANUFACTURER'S STANDARD PRODUCTS MAY REQUIRE CUSTOM MODIFICATIONS TO MEET THE REQUIREMENTS SPECIFIED HEREIN & IN THE PROJECT MANUAL.

D LISTED SIZES, LAMPING, & TYPES OF LUMINAIRES MAY NOT BE STANDARD PRODUCTS PRODUCED FROM ANY GIVEN MANUFACTURER OR SERIES LISTED. MANUFACTURER'S STANDARD PRODUCTS MAY REQUIRE CUSTOM MODIFICATIONS TO MEET THE DESIGN CRITERIA, DESCRIPTIONS, & REQUIREMENTS SPECIFIED HEREIN & IN THE PROJECT MANUAL.

E ALERT ARCHITECT TO DISCREPANCIES PRIOR TO BID.

ABBREVIATIONS:

CONC	CONCRETE	LG	LAY-IN GRID	PL	PLASTER	SPEC	WH
DW	DRYWALL	LO-IRI	LOW IRIDESCENT	PPC	POLYESTER POWER COAT	S'SPEC	P...
D/I	DIRECT/INDIRECT	NT	NARROW TEE GRID	PRSM	PRISMATIC	SS	P...
ELBD	EMERG. LTG. BYPASS DEVICE	PAF	PAINT AFTER FABRICATION	REFLT	REFLECTOR/REFLECTANCE	TBS	V
EXP	EXPOSED	PARA	PARABOLIC	SP	SPLINE CEILING SYSTEM	UNIV	L...
LUM	DELIVERED LUMENS	ELV...	ELECTRONIC LOW VOLTAGE DIMMING				

NOTES:

1. UNLESS OTHERWISE NOTED, BOTTOM OF FIXTURE TO BE AT 8'-0" A.F.F. COORDINATE EXACT HEIGHT AND PLACEMENT WITH EXISTING CONDITIONS TO MAINTAIN HEADROOM AND CONSISTANT SPACING.
2. PROVIDE REPLACEMENT PHILIPS T8, MEDIUM BI-PIN LED LAMP FOR EXISTING FIXTURE TO REMAIN. FIXTURE SHALL BE MODIFIED TO BYPASS THE BALLAST INSTALLED IN THE FIXTURE.
3.

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93 OF 93 SHEETS
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