ABBREVIATIONS

#	POUND OR NUMBER
&	AND
@	AT
ACP	ACOUSTICAL CEILING PANEL
AD	AREA DRAIN
ADJ	ADJUSTABLE
AF	ACCESS FLOORING SYSTEM
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
ALUM	ALUMINUM
APROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
AWP	ACOUSTIC WALL PANEL
AXON	AXONOMETRIC
BA	BASE
BC	BACK OF CURB
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BR	BULLET RESISTANT
BTB	BACK TO BACK
C	CHANNEL
CA	CARPET
CAB	CABINET
CB	CATCH BASIN
CEM	CEMENTIOUS
CER	CERAMIC
CI	CAST IRON
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CONCRETE
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CORR	CORRIDOR
CPT	CARPET
CS	CEILING SYSTEM
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
(D)	DEMOLISH
DBL	DOUBLE
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DM	DECORATIVE MASONRY
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
DWR	DRAWER
(E)	EXISTING
E	EAST
EA	EACH
EEOR	ELECTRICAL ENGINEER OF RECORD
EGD	EXPERIENTIAL DESIGN
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATION
ELVTR	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EPNL	ELECTRICAL PANEL
EQ	EQUAL
EQPT	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXG	EXISTING
EXT	EXTERIOR
F/A	FIRE ALARM
FA	FABRIC
FAB	FABRIC
FB	FLAT BAR
FC	FACE OF CURB
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN	FINISH
FL	FLOOR
FLSHG	FLASHING
FLUOR	FLUORESCENT
FO	FACE OF
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUDS
FPRF	FIREPROOFING
FRP	FIBERGLASS REINFORCED PLASTIC
FRT	FIRE RETARDANT TREATED
FT	FOOT / FEET / FINISH TRANSITION
FTG	FOOTING
FURR	FURRING
FUT	FUTURE
FWP	FABRIC WALL PANEL
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GD	GRADE
GF	GLAZING FILM
GL	GLASS / GLAZING
GND	GROUND
GR	GROUT
GWB	GYPSUM BOARD
GYP	GYPSUM
HB	HOSE BIB
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPC	HIGH PERFORMANCE COATINGS
HR	HOUR
HT	HEIGHT
ID	INSIDE DIAMETER (DIM)
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
KIT	KITCHEN
L	ANGLE
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LKR	LOCKER
LT	LIGHT
MAX	MAXIMUM
MC	MEDICINE CABINET
ME	METAL
MECH	MECHANICAL
MEMB	MEMBRANE
MEOR	MECHANICAL ENGINEER OF RECORD
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
MUL	MULLION
(N)	NEW
N	NORTH
NAT	NATURAL
NC	NOISE CRITERION (NOISE LEVEL LIMIT)
NIC	NOT IN CONTRACT
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OCC	OCCUPANCY
OD	OUTSIDE DIAMETER (DIM)
OFF	OFFICE
OPNG	OPENING
OPP	OPPOSITE
OTS	OPEN TO STRUCTURE
PA	PAINT
PC	PERFORMANCE COATING
PERP	PERPENDICULAR
PG	PROTECTIVE GUARDS
PL	PLASTIC LAMINATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLUMB	PLUMBING
PLWD	PLYWOOD
PP	POWER POLE
PR	PAIR
PRCST	PRECAST
PT	PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PTD/R	COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
PVB	POLYVINYL BUTYRAL
PVC	POLYVINYL CHLORIDE (PLASTIC)
QT	QUARRY TILE
(R)	RELOCATE
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCED
REQ'D	REQUIRED
RESIL	RESILIENT
RF	RESILIENT FLOORING
RM	ROOM
RO	ROUGH OPENING
RWL	RAIN WATER LEADER
S	SOUTH
S/D	SOAP DISPENSER
S/S	STAINLESS STEEL
SAB	SOUND ATTENUATION BLANKET
SAFB	SOUND ATTENUATION FIRE BLANKET
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	STATIC DISSIPATIVE
SEC	SECURITY
SECT	SECTION
SEOR	STRUCTURAL ENGINEER OF RECORD
SF	SPECIAL FINISH / SQUARE FOOT / SQUARE FEET
SFRM	SPRAY FIRE-RESISTIVE MATERIAL
SG	SAFETY GLAZING
SH	SHELF
SHT	SHEET
SHTG	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SLT	SEALANT
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTACLE
SOB	SYMBOL ON BACKGROUND
SPEC	SPECIFICATION
SQ	SQUARE
SS	SOLID SURFACE MATERIAL
SSD	SEE STRUCTURAL DRAWINGS
SSK	SERVICE SINK
ST	STONE
STA	STATION
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
T	TREAD
T&G	TONGUE AND GROOVE
TB	TOWEL BAR
TBD	TO BE DETERMINED
TCOM	TELECOMMUNICATION
TEL	TELEPHONE
TER	TERRAZZO
THK	THICK
TI	TILE
TOC	TOP OF CONCRETE
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TR	TRANSITION
TV	TELEVISION
TYP	TYPICAL
UNF	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VNR	VENEER
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET / WALL COVERING
WD	WOOD
WF	WOOD FLOORING
WLD	WELDED
WO	WHERE OCCURS
WP	WATERPROOF
WP	WALL PANELING
WRB	WEATHER RESISTANT BARRIER
WS	WOOD SOLID
WT	WEIGHT / WINDOW TREATMENT
WV	WOOD VENEER

GENERAL NOTES

1. CONTRACT DOCUMENTS
THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY ANY WILL BE AS BINDING AS IF CALLED FOR BY ALL. THE CONTRACT DOCUMENTS CONVEY THE DESIGN INTENT FOR THE PROJECT. THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE CONTRACT DOCUMENTS AND SHALL COORDINATE THE WORK OF THE DOCUMENTS WITH THE WORK OF VENDOR PROVIDED INFORMATION ASSOCIATE WITH THE PROJECT. THE CONTRACTOR SHALL DISTRIBUTE COMPLETE CONTRACT DOCUMENTS TO PARTIES RESPONSIBLE FOR PERFORMING THE WORK SO THAT NO PARTY RECEIVES LIMITED INFORMATION.

2. COORDINATION OF THE WORK
THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR REVIEW AND VERIFICATION OF THE CONTRACT DOCUMENTS, FIELD CONDITIONS, VENDOR DESIGN DRAWINGS INCLUDING DELEGATED DESIGN WORK BY OTHERS, AND DIMENSIONS FOR ACCURACY AND FOR CONSTRUCTIBILITY PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE BUILDING OWNER SO AS NOT TO DISTURB OR CAUSE DAMAGE TO OTHER TENANT SPACES OR BUILDING AREAS. THE CONTRACTOR SHALL SECURE A CURRENT COPY OF PUBLISHED CONSTRUCTION/CONTRACTOR BUILDING GUIDELINES AND REGULATIONS FROM THE BUILDING MANAGEMENT AND COMPLY. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF RECORD IN WRITING OF CONFLICTS AND OBTAIN A WRITTEN CLARIFICATION FROM THE ARCHITECT OF RECORD PRIOR TO PROCEEDING WITH THE WORK.

3. DIMENSIONS
DO NOT SCALE DRAWINGS. DIMENSIONS AND WORKPOINTS PROVIDED ARE TO STRUCTURAL GRID OR TO EXPOSED FACE OF A FINISH, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY DIMENSIONS WITH CONDITIONS IN THE FIELD AND SHALL SECURE WRITTEN RESOLUTION OF CONFLICTS FROM THE ARCHITECT PRIOR TO INITIATING THE WORK. DO NOT ADJUST DIMENSIONS INDICATED AS "CLEAR" OR "HOLD" WITHOUT WRITTEN DIRECTION FROM ARCHITECT. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DIMENSIONS THAT DIFFER BY MORE THAN "1 INCH", INCLUDING THOSE MARKED "VIF" AND "+/-".

4. DELEGATED DESIGN WORK BY OTHERS
SYSTEMS INDICATED AS DELEGATED DESIGN SHALL BE ENGINEERED, AND STAMPED BY QUALIFIED PROFESSIONAL ENGINEERS LICENSED IN THE JURISDICTION OF THE WORK. IT IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD FOR THESE SYSTEMS TO SECURE AGENCY APPROVALS, INCLUDING REQUIRED FEES ASSOCIATED WITH PERMIT APPROVAL. THESE SYSTEMS SHALL BE COORDINATED WITH THE CONTRACT DOCUMENTS AND SHALL COMPLY WITH APPLICABLE LEGAL REQUIREMENTS INCLUDING COMPREHENSIVE ENGINEERING ANALYSIS UTILIZING PERFORMANCE AND DESIGN CRITERIA INDICATED IN THE CONTRACT DOCUMENTS.

DEFINITIONS

ALIGN	TO ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE
CLEAR / CLR / HOLD	DIMENSIONS ARE ABSOLUTES, UNOBSTRUCTED FROM FACE OF EXPOSED FINISH SURFACES.
DEMOLISH	TO DECONSTRUCT COMPLETE SYSTEM, HAUL, AND DISPOSE OF MATERIAL, INCLUDING APPROPRIATE PULL BACK AND TERMINATION/CAPPING OF RELATED BUILDING SERVICES
SALVAGE	DIS-ASSEMBLE, CONVEY OR STORE MATERIAL PER OWNERS INSTRUCTIONS
REUSE	SALVAGE, STORE ON SITE, RE-INSTALL
INSTALL	ON-SITE OPERATIONS INCLUDING UNLOADING, TEMPORARY STORAGE, UN-PACKING, ASSEMBLY, PLACING, ANCHORING, APPLYING, FINISHING, PROTECTING, AND CLEANING COMPLETE AND OPERATIONAL ELEMENTS, EQUIPMENT, AND SYSTEMS
FURNISH	PROCURE AND STORE ON-SITE MATERIAL FOR INSTALLATION BY OTHERS
PROVIDE	FURNISH AND INSTALL COMPLETE AND OPERATIONAL SYSTEM
NOTIFY	TO INFORM THE STATED PARTIES IN WRITING AND SEEK RESOLUTION PRIOR TO COMMENCING WORK

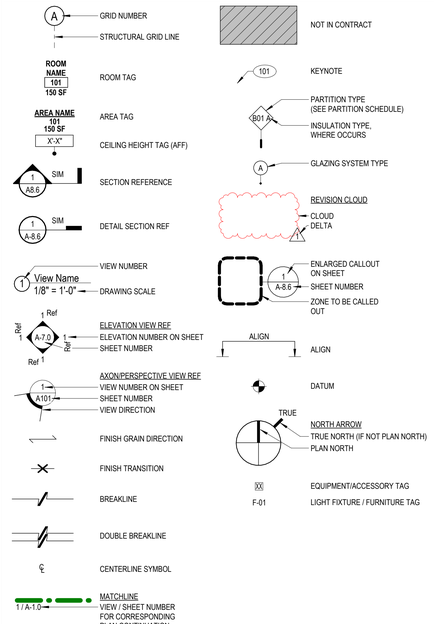
HAZARDOUS MATERIALS NOTES

- INTERIOR ARCHITECTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, REMOVAL, PRESENCE, HANDLING, DISPOSAL OF, OR EXPOSURE OF PERSONS TO HAZARDOUS SUBSTANCES, MATERIALS, AND WASTES IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO: ASBESTOS, ASBESTOS PRODUCTS, PCB MOLD, OR OTHER TOXIC OR HARMFUL SUBSTANCES.
- QUESTIONS THAT ARISE RELATED TO HAZARDOUS MATERIALS SHALL BE REFERRED TO THE OWNER FOR RESOLUTION. INTERIOR ARCHITECTS SHALL NOT BE REQUIRED TO DO WORK NOR RENDER OPINIONS RELATED TO HAZARDOUS MATERIALS.
- CONTRACTORS SHALL REPORT THE PRESENCE OF MATERIAL OR ASSEMBLIES SUSPECTED TO CONTAIN HAZARDOUS MATERIALS UPON DISCOVERY TO THE OWNER. WORK SHALL BE HALTED UNTIL WRITTEN CLEARANCE TO CONTINUE HAS BEEN PROVIDED BY THE OWNER'S CERTIFIED HAZARDOUS MATERIALS CONSULTANTS.

WEEKLY STATUS REPORTS

THE GC IS TO PROVIDE A WEEKLY STATUS REPORT INDICATING ESTIMATED PERCENTAGE OF COMPLETION FOR EACH TRADE INCLUSIVE OF DIGITAL PHOTOGRAPHS AS SUPPORTING INFORMATION. REPORT AND IMAGES ARE TO BE SENT ELECTRONICALLY TO THE IA PROJECT CONTACT OF THE SALIENT AREAS &/OR WORK.

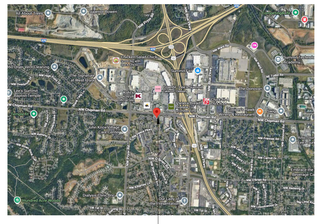
SYMBOLS



SHEET INDEX

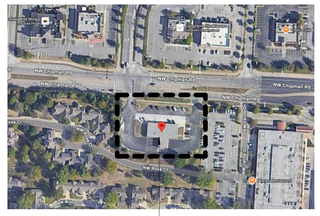
SHEET NUMBER	DESCRIPTION	10.17.2025 - ISSUED FOR SD FINAL	10.24.2025 - ISSUED FOR DD_60/COE	11.13.2025 - ISSUED FOR DD_90	01.16.2026 - ISSUED FOR DD_F	01.30.2026 - ISSUED FOR CD_90	03.04.2026 - ISSUED FOR PERMIT
GENERAL							
A00.00	DRAWING INDEX, LOCATION MAP, & PROJECT INFORMATION	X	X	X	X	X	X
A00.11	EGRESS & LIFE SAFETY (EXITING DIAGRAM)	X	X	X	X	X	X
A00.12	ACCESSIBILITY INFORMATION (2009 ICC A117.1)			X		X	X
A00.13	TYPICAL MOUNTING HEIGHTS & ACCESSIBILITY INFORMATION			X		X	X
A00.21	TYPICAL EXTERIOR ASSEMBLIES			X		X	X
A00.32	PARTITION TYPES		X	X	X	X	X
A00.40	EQUIPMENT, FINISH, ATM, GLAZING SCHEDULES		X	X	X	X	X
A00.50	DOOR TYPES, DOOR AND HARDWARE SCHEDULES		X	X	X	X	X
A00.51	ALLSTEEL STOREFRONT DETAILS		X	X	X	X	X
A00.52	GLAZING TYPES AND SCHEDULE			X	X	X	X
A00.60	ARCHITECTURAL SITE PLAN	X	X	X	X	X	X
ARCHITECTURE							
A02.01	CONSTRUCTION PLAN	X	X	X	X	X	X
A02.03	ROOF PLAN	X	X	X	X	X	X
A03.01	POWER AND COMMUNICATION PLAN		X	X	X	X	X
A04.01	REFLECTED CEILING PLAN	X	X	X	X	X	X
A05.01	FINISH PLAN	X	X	X	X	X	X
A06.01	FURNITURE PLAN	X	X	X	X	X	X
A08.01	ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS		X	X	X	X	X
A08.02	NER DETAIL SHEET	X	X	X	X	X	X
A08.03	INTERIOR ELEVATIONS	X	X	X	X	X	X
A08.04	INTERIOR ELEVATIONS	X	X	X	X	X	X
A08.05	INTERIOR ELEVATIONS	X	X	X	X	X	X
A08.06	INTERIOR ELEVATIONS	X	X	X	X	X	X
A08.07	INTERIOR ELEVATIONS	X	X	X	X	X	X
A08.08	INTERIOR ELEVATIONS	X	X	X	X	X	X
A08.09	INTERIOR ELEVATIONS	X	X	X	X	X	X
A08.12	TYPICAL ATM & NIGHT DEPOSITORY DETAILS		X	X	X	X	X
A08.13	TYPICAL DRIVE-UP ATM DETAILS		X	X	X	X	X
A08.14	CSR DOUBLE LINE		X	X	X	X	X
A09.11	EXTERIOR ELEVATIONS	X	X	X	X	X	X
A09.12	EXTERIOR ELEVATIONS	X	X	X	X	X	X
A09.21	BUILDING SECTIONS			X	X	X	X
A09.22	BUILDING SECTIONS			X	X	X	X
A09.31	EXTERIOR WALL SECTIONS			X		X	X
A09.32	EXTERIOR WALL SECTIONS			X		X	X
A09.33	EXTERIOR WALL SECTIONS			X		X	X
A09.41	FOOTING DETAILS			X		X	X
A09.42	FOOTING DETAILS			X		X	X
A09.51	EXTERIOR ENLARGED PLAN DETAILS			X		X	X
A09.52	EXTERIOR ENLARGED PLAN DETAILS			X		X	X
A09.54	EXTERIOR ENLARGED DETAILS			X		X	X
A09.55	EXTERIOR ENLARGED DETAILS			X		X	X
A09.56	EXTERIOR ENLARGED DETAILS			X		X	X
A09.57	EXTERIOR ENLARGED DETAILS			X		X	X
A09.58	EXTERIOR ENLARGED DETAILS			X		X	X
A09.59	EXTERIOR ENLARGED DETAILS			X		X	X
A09.60	EXTERIOR TRANSITION DETAILS			X		X	X
A09.61	ROOF DETAILS			X		X	X
A09.62	ROOF DETAILS			X		X	X
A12.40	AIRLOCK DETAILS			X		X	X
A12.41	ROLLING GRILLE DETAILS			X		X	X
A12.43	CEILING DETAILS			X		X	X
A12.50	FINISH DETAILS			X		X	X
A12.63	MILLWORK - MW01			X		X	X
A12.64	MILLWORK DETAILS			X		X	X
A12.65	MILLWORK DETAILS			X		X	X
SK.01	OVERLAY SKETCH PLAN		X	X	X	X	X
SK.02	OVERLAY SKETCH PLAN		X	X	X	X	X
CIVIL							
C0.0	CIVIL COVER SHEET				X	X	X
C0.1	GENERAL NOTES				X	X	X
C1.0	OVERAL EXISTING CONDITIONS PLAN				X	X	X
C1.1	EXISTING CONDITIONS AND DEMOLITION PLAN				X	X	X
C2.0	SITE, PAVING AND STRIPPPING PLAN				X	X	X
C2.1	HORIZONTAL CONTROL PLAN				X	X	X
C3.0	GRADING AND DRAINAGE PLAN				X	X	X
C3.1	PRE-PROJECT DRAINAGE MAP				X	X	X
C3.2	STORMWATER CONTROL PLAN				X	X	X
C4.0	UTILITY PLAN				X	X	X
C4.1	UTILITY PROFILES				X	X	X
C5.0	EROSION CONTROL PLAN				X	X	X
C6.0	CIVIL CONSTRUCTION DETAILS				X	X	X
C6.1	CIVIL CONSTRUCTION DETAILS				X	X	X
C6.2	CIVIL CONSTRUCTION DETAILS				X	X	X
C6.3	CIVIL CONSTRUCTION DETAILS				X	X	X
LANDSCAPE							
L0.0	LANDSCAPE REQUIREMENTS & INSTALLATION DETAILS				X	X	X
L1.0	LANDSCAPE PLAN				X	X	X
L1.1	DETAILED LANDSCAPE PLAN				X	X	X
STRUCTURAL							
S00.01	GENERAL NOTES				X	X	X
S00.02	SPECIAL INSPECTIONS				X	X	X
S01.01	FOUNDATION PLAN				X	X	X
S01.02	LOW ROOF AND CANOPY FRAMING PLAN				X	X	X
S01.03	LOW PARAPET AND HIGH ROOF FRAMING PLAN				X	X	X
S01.04	HIGH ROOF PARAPET AND TOP OF TOWER FRAMING PLAN				X	X	X
S02.01	BRACED FRAME DETAILS AND ELEVATIONS				X	X	X
S03.00	TYPICAL CONCRETE DETAILS				X	X	X
S03.01	FOUNDATION SECTIONS AND DETAILS				X	X	X
S04.00	TYPICAL STEEL DETAILS				X	X	X
S04.01	ROOF FRAMING SECTIONS				X	X	X
MECHANICAL							
M00.00	MECHANICAL GENERAL NOTES AND LEGEND					X	X
M01.01	MECHANICAL ZONE PLAN					X	X
M02.01	MECHANICAL PLAN					X	X
M03.01	MECHANICAL ROOF PLAN					X	X
M04.01	MECHANICAL DETAILS					X	X
M05.01	MECHANICAL SCHEDULES					X	X
M07.00	MECHANICAL ENERGY COMPLIANCE FORMS					X	X
PLUMBING							
P00.00	PLUMBING GENERAL NOTES AND LEGEND					X	X
P02.01	PLUMBING WASTE AND VENT PLAN					X	X
P02.02	PLUMBING WATER PLAN					X	X
P03.01	PLUMBING ROOF PLAN					X	X
P04.01	PLUMBING DETAILS					X	X
P05.01	PLUMBING SCHEDULES					X	X
ELECTRICAL							
E00.00	ELECTRICAL GENERAL NOTES AND LEGEND					X	X
E00.1R	EXTERIOR LIGHTING PHOTOMETRICS					X	X
E00.2R	EXTERIOR LIGHTING PHOTOMETRICS					X	X
E02.01	ELECTRICAL POWER PLAN					X	X
E02.02	ELECTRICAL EQUIPMENT POWER PLAN					X	X
E02.03	ELECTRICAL ROOF POWER PLAN					X	X
E03.01	ELECTRICAL LIGHTING PLAN					X	X
E04.01	ELECTRICAL LIGHTING SCHEDULES AND DETAILS					X	X
E05.01	ELECTRICAL ONE-LINE DIAGRAM AND SCHEDULES					X	X
E06.01	ELECTRICAL ENERGY COMPLIANCE FORMS					X	X
FIRE ALARM							
FA00.00	FIRE ALARM GENERAL NOTES AND LEGEND					X	X
FA02.01	FIRE ALARM PLAN					X	X
FA03.01	FIRE ALARM SPECIFICATIONS					X	X

SITE LOCATION



PROJECT SITE

LOCATION MAP



AREA OF WORK

PROJECT MANUAL

IA'S PROJECT MANUAL DATED *MARCH 4, 2026* ENTITLED *GROUND UP BANK OF AMERICA: CHIPMAN* UNDER ISSUANCE *ISSUE FOR PERMIT AND BID* IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS.

ACCESSIBILITY NOTES

THE PROJECT SHALL MEET COMPLIANCE WITH THE STANDARDS OF ICC/ANSI 117.1 (2009).

CONTROLS & OPERATING MECHANISMS (ADA ACCESSIBILITY STANDARDS - CHAPTER 3 - OPERABLE PARTS):
ALL REQUIRED CONTROLS AND OPERATING MECHANISMS SHALL COMPLY WITH REACH RANGE REQUIREMENTS PER ICC/ANSI A117.1 2009 SECTION 308. PLACED BETWEEN 15 INCHES AND 48 INCHES ABOVE THE FLOOR. OPERABLE PARTS SHALL COMPLY WITH ICC/ANSI A117.1 2009 SECTION 309. THEY SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5.0 POUNDS MAXIMUM.

CARPETING AND FLOORING (ADA ACCESSIBILITY STANDARDS - CHAPTER 3 - FLOOR AND GROUND SURFACES):
CARPET PILE THICKNESS NOT TO EXCEED 1/2" PER ICC/ANSI A117.1 2009 SECTION 302.2. PLEASE ALSO NOTE: CARPET PILE THICKNESS IS FROM THE FLOOR FINISH TO TOP OF PILE PER ICC/ANSI A117.1 2009 SECTION 302.2. FLOOR SURFACES SHALL BE FIRM, STABLE AND SLIP RESISTANT PER ICC/ANSI A117.1 2009 SECTION 302.1
THRESHOLDS SHALL BE A MAXIMUM 1/2" WITH A 1:2 BEVEL.

RECEPTION COUNTER: ALL COUNTERS TO HAVE PORTION SET BETWEEN 28" TO 34" AFF IN HEIGHT PER ICC/ANSI A117.1 2009 SECTION 902.3.

DOORS (ADA ACCESSIBILITY STANDARDS - CHAPTER 4 - ENTRANCES, DOORS, AND GATES):
ALL DOORS PROVIDE THE REQUIRED MANEUVERING CLEARANCE AT DOOR PER ICC/ANSI A117.1 2009 SECTION 404.2.3.
ALL NEW OR ALTERED DOORS TO HAVE LEVER-OPERATED HARDWARE PER ICC/ANSI A117.1 2009 SECTION 404.2.6.
ALL DOORS SHALL HAVE A 32" CLEAR DOOR OPENING MEASURED FROM THE FACE OF THE DOOR WHEN IT IS OPENED 90% TO THE DOOR STOP PER ICC/ANSI A117.1 2009 SECTION 404.2.2.
ALL PUBLIC AND COMMON AREA INTERIOR DOORS TO HAVE 5.0 LB MAX. FORCE TO OPEN PER ICC/ANSI A117.1 2009 SECTION 309.4.

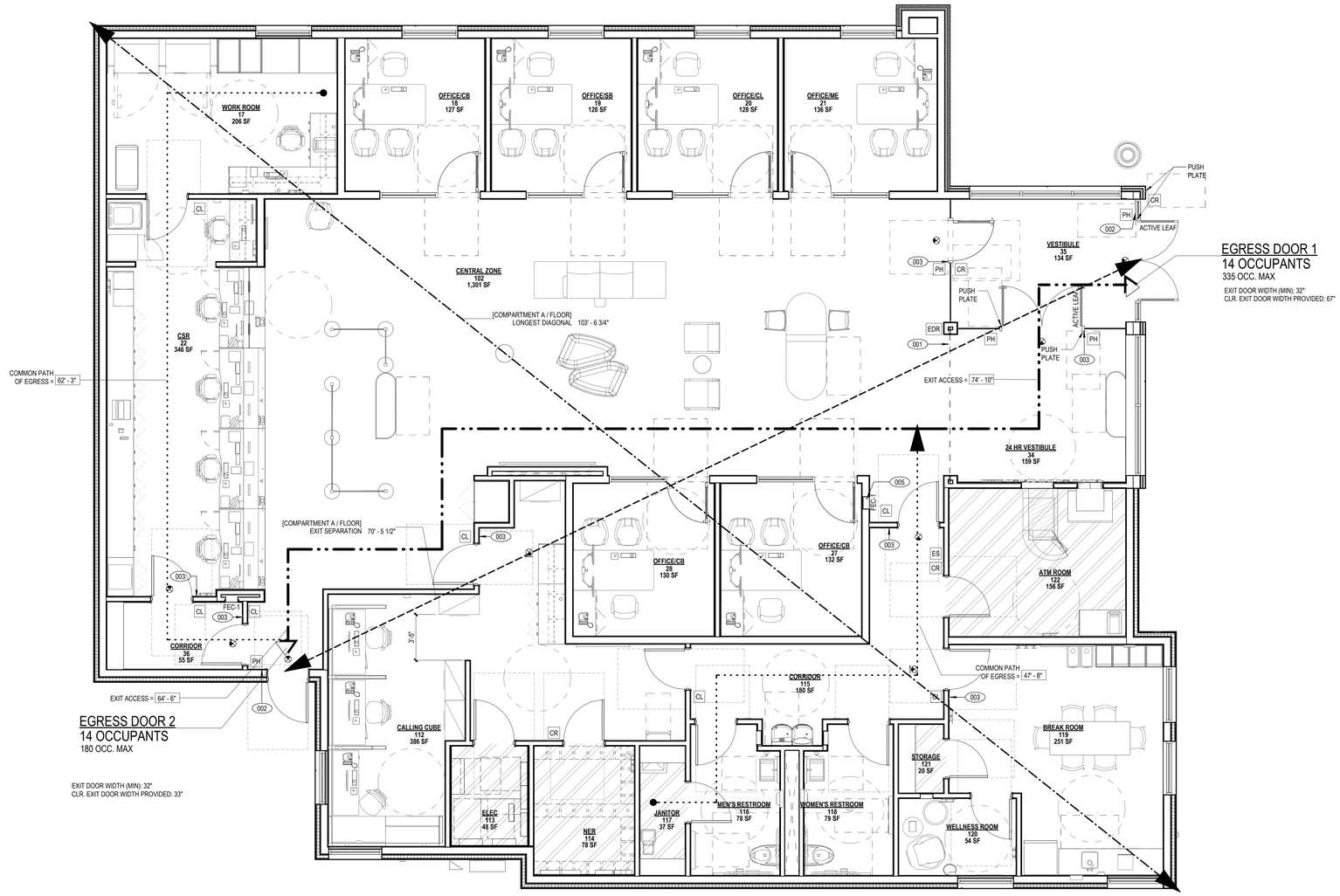
SIGNAGE:
WHERE NEW SIGNAGE IS PROVIDED, IT SHALL COMPLY WITH ICC/ANSI A117.1 2009. SIGNAGE SHALL BE USED TO IDENTIFY REQUIRED ACCESSIBLE ELEMENTS, PROVIDE DIRECTIONS OR INDICATE SPECIAL ACCESSIBILITY PROVISIONS, SIGNAGE DIMENSIONS, CHARACTERS AND TACTILE FEATURES. SIGNAGE WILL BE OF BRAILLE AND TACTILE AND BE LOCATED ON THE DOOR HANDLE SIDE OF DOOR. IT WILL BE INSTALLED AT THE APPROPRIATE HEIGHT AND DISTANCE TO THE LATCH SIDE OF THE DOOR PER THE ELEVATION DETAIL ON THE DRAWINGS.

PROTRUDING OBJECTS (ADA ACCESSIBILITY STANDARDS - CHAPTER 3 - PROTRUDING OBJECTS):
PROTRUDING OBJECTS ON CIRCULATION PATHS SHALL MEET COMPLIANCE WITH ICC/ANSI A117.1 2009 SECTION 307. OBJECTS WITH LEADING EDGES MORE THAN 27" AND NOT MORE THAN 80" AFF SHALL PROTRUDE 4" MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE OBJECT PROTRUSION IS BEYOND THE LIMITS ALLOWED. THE LEADING EDGE OF GUARDRAIL OR BARRIER SHALL BE 27" MAXIMUM ABOVE THE FLOOR.

ALARMS (ADA ACCESSIBILITY STANDARDS - CHAPTER 2 - NEW CONSTRUCTION): ALL NEW, ALTERED OR RELOCATED VISUAL ALARMS OR EMERGENCY WARNING SYSTEM SHALL COMPLY WITH ICC/ANSI A117.1 2009 SECTION 702. ALL VISUAL ALARMS SHALL BE SYNCHRONIZED.

PROJECT INFORMATION

PROJECT ADDRESS:	1801 NW CHIPMAN ROAD LEES SUMMIT, MO 64081
PROJECT DESCRIPTION:	PROJECT IS A GROUND-UP, ONE STORY BANK BUILDING. SITE WORK INCLUDES PARKING AREAS, LANDSCAPE, AND CIVIL WORK. BUILDING SCOPE INCLUDES STRUCTURAL SYSTEMS, EXTERIOR BUILDING WALLS AND COMPONENTS, INTERIOR SPACES, PARTITIONS, FINISHES, BUILDING AND BANK EQUIPMENT AND SPECIALTIES, MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT. PROJECT WILL PURSUE LEED CERTIFICATION UTILIZING RATING SYSTEM: LEED-NC RETAIL v4.
TYPE OF CONSTRUCTION:	IIB
BUILDING OCCUPANCY:	BUSINESS
PROJECT AREA:	4,662 SF
BUILDING NO. OF STORIES:	1
SEISMIC DESIGN CATEGORY:	B
BUILDING LIFE SAFETY INFO:	NON-SPRINKLERED, FIRE ALARM PRESENT
ADDITIONAL REQUIREMENTS:	1. ALL INTERIOR FINISHES SHALL COMPLY WITH THE REFERENCED CODE REQUIREMENTS FOR FLAMMABILITY AND SMOKE DEVELOPED RATINGS AS WELL AS TOXICITY. **WALL AND CEILINGS (PER ASTM E84 OR UL723)** INTERIOR EXIT STAIRWAYS, RAMPS AND EXIT PASSAGEWAYS B OCCUPANCY - CLASS A CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS: B OCCUPANCY - CLASS B ROOMS AND ENCLOSED SPACES: B OCCUPANCY - CLASS C **FLOORING (PER ASTM E648 OR NFPA 253): CLASS II** CRITICAL RADIANT FLUX OF NOT LESS THAN 0.22 WATTS PER SQUARE CENTIMETER **FLAME SPREAD AND SMOKE-DEVELOPED INDEX** CLASS A: FLAME SPREAD: 0 - 25; SMOKE-DEVELOPED: 0 - 450 CLASS B: FLAME SPREAD: 26 - 75; SMOKE-DEVELOPED: 0 - 450 CLASS C: FLAME SPREAD: 76 - 200; SMOKE-DEVELOPED: 0 - 450
DEFERRED SUBMITTALS & DELEGATED DESIGN WORK BY OTHERS UNDER SEPARATE P



1 01 EXITING DIAGRAM
1/4" = 1'-0"

TRUE

OCCUPANCY CALCULATIONS

NUMBER	NAME	OCCUPANCY GROUP	SPACE FUNCTION	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD CALCULATED
17	WORK ROOM	B	BUSINESS	206 SF	150	1.4
18	OFFICE/CB	B	BUSINESS	127 SF	150	0.8
19	OFFICE/SB	B	BUSINESS	128 SF	150	0.9
20	OFFICE/CL	B	BUSINESS	128 SF	150	0.9
21	OFFICE/ME	B	BUSINESS	136 SF	150	0.9
22	CSR	B	BUSINESS	346 SF	150	2.3
27	OFFICE/CB	B	BUSINESS	132 SF	150	0.9
28	OFFICE/CB	B	BUSINESS	130 SF	150	0.9
34	24 HR VESTIBULE	B	BUSINESS	159 SF	150	1.1
35	VESTIBULE	B	BUSINESS	134 SF	150	0.9
36	CORRIDOR	B	BUSINESS	55 SF	150	0.4
102	CENTRAL ZONE	B	BUSINESS	1301 SF	150	8.7
112	CALLING CUBE	B	BUSINESS	386 SF	150	2.6
113	ELEC	B	ACCESSORY STORAGE/MECH. EQUIPMENT	48 SF	300	0.2
114	NER	B	ACCESSORY STORAGE/MECH. EQUIPMENT	78 SF	300	0.3
115	CORRIDOR	B	BUSINESS	180 SF	150	1.2
116	MEN'S RESTROOM	B	BUSINESS	78 SF	150	0.5
117	JANITOR	B	ACCESSORY STORAGE/MECH. EQUIPMENT	37 SF	300	0.1
118	WOMEN'S RESTROOM	B	BUSINESS	79 SF	150	0.5
119	BREAK ROOM	B	BUSINESS	251 SF	150	1.7
120	WELLNESS ROOM	B	BUSINESS	54 SF	150	0.4
121	STORAGE	B	ACCESSORY STORAGE/MECH. EQUIPMENT	20 SF	300	0.1
122	ATM ROOM	B	ACCESSORY STORAGE/MECH. EQUIPMENT	156 SF	300	0.5
TOTAL:				4347 SF		27.9

OCCUPANCY SCHEDULE = 28

PLUMBING COUNTS

PLUMBING FIXTURES REQUIREMENTS FOR OCCUPANT LOAD OF 28 OCC. PER 2018 IPC

OCC.	WATERCLOSETS				URINALS		LAVATORIES				DRINKING FOUNTAINS		SERVICE SINK	
TYPE:B	REQ.		PROV.		REQ.	PROV.	REQ.		PROV.		REQ.	PROV.	REQ.	PROV.
	M	F	M	F			M	F	M	F				
(OCC/2) M =14 F =14	1	1	1	1	0	0	1	1	1	1	1	1 HI-LO	1	1

EXIT COMPONENT SCHEDULE

EXIT COMPONENT	CLR. EXIT DOOR WIDTH	DOOR EGRESS CAPACITY FACTOR	MAX OCCUPANTS ALLOWED BY DOOR WIDTH	TOTAL CAPACITY EGRESS COMPONENT	NO. OF OCCUPANTS EXITING
EGRESS DOOR 2	33"	0.2	165.0	180	14
EGRESS DOOR 1	67"	0.2	335.0	335	14
				515	28

LEGEND

- NEW CONSTRUCTION
- EXISTING CONSTRUCTION TO REMAIN
- EXIT ACCESS = LESS THAN 200' AT 29 OCCUPANCY IN NON-SPRINKLERED BUILDING
- COMMON PATH OF EGRESS = LESS THAN 75' AT 29 OCCUPANCY IN NON-SPRINKLERED BUILDING
- LONGEST DIAGONAL OF SPACE OR FLOOR
- EXIT SEPARATION = NOT LESS THAN 1/2 THE DISTANCE OF THE LONGEST DIAGONAL OF SPACE OR FLOOR BEING SERVED
- DEAD END = LESS THAN 20' (BUSINESS) IN NON-SPRINKLERED BUILDING
- 1:150 (B - UNCONCENTRATED)
- 1:300 (B - ACCESSORY STORAGE)
- EXIT SIGNAGE
- EXIT / ACCESS TO EXIT
- FEC — FIRE EXTINGUISHER AND CABINET
- FE — FIRE EXTINGUISHER
- FEH — FIRE EXIT HARDWARE
- PH — PANIC HARDWARE
- CL — CIPHER LOCK
- CR — WALL MOUNTED CARD READER
- EDR — WALL MOUNTED EMERGENCY DOOR RELEASE
- ES — ELECTRIC STRIKE

KEYNOTES

(XXX)

NO.	DESCRIPTION
001	DASHED LINE OF ROLL-DOWN GATE, OPEN DURING BUSINESS HOURS WITH 'PUSH TO EXIT' EMERGENCY BUTTON WHEN GATE IS IN CLOSED CONFIGURATION.
002	PROVIDE TACTILE EXIT SIGNAGE WITH THE WORD "EXIT" ON THE LATCH SIDE OF DOOR. REFER TO TYPICAL SIGNAGE DETAILS FOR MOUNTING HEIGHT AND ADDITIONAL INFORMATION.
003	PROVIDE 'WALL MOUNTED EXIT SIGNAGE WITH THE WORDS "EXIT ROUTE" AT THIS LOCATION. REFER TO TYPICAL SIGNAGE DETAILS FOR MOUNTING HEIGHT AND ADDITIONAL INFORMATION.
005	NEW FIRE EXTINGUISHER AND CABINET.

FIRE EXTINGUISHERS

PER 2018 IFC CODE

1. PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED IN ACCORDANCE WITH 2021 IFC SECTION 906.2 THRU 906.10.
2. MINIMUM EXTINGUISHER SIZE IS 2A-10BC FOR ORDINARY HAZARD OCCUPANCY AND SHALL HAVE A MAX. AREA OF 3000 SF PER EXTINGUISHER AND A MAX. TRAVEL DISTANCE OF 75 ' PER IFC TABLE 906.3(1).
3. EXTINGUISHERS SHALL BE PLACED IN A CONSPICUOUS LOCATION WHERE THEY ARE READILY AVAILABLE AND UNOBSCURED PER IFC SECTION 906.5 AND 906.6.
4. WALL MOUNTED FIRE EXTINGUISHERS ON BRACKETS SHALL BE INSTALLED PER THE PROVISIONS OF IFC SECTION 906.7.
5. CABINETS SHALL BE INSTALLED PER THE PROVISIONS OF IFC SECTION 906.8. EXTINGUISHERS SHALL BE MOUNTED SO THE TOP OF THE EXTINGUISHER IS NO MORE THAN 5 ' AFF PER SECTION 906.9.1.

SHEET NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING FIRE RATED CONSTRUCTION ASSEMBLIES DENOTED IN THE DRAWINGS. CONTRACTOR SHALL NOTIFY ARCHITECT IN WRITING OF CONFLICTS BETWEEN THE AS-BUILT CONDITION AND THE DRAWINGS. PRIOR TO PROCEEDING WITH THE WORK THE CONTRACTOR SHALL SUBMIT A PROPOSAL FOR THE COST AND SCHEDULE OF UPGRADING EXISTING ASSEMBLIES DENOTED AS FIRE RATED TO A CODE COMPLIANT LEVEL.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
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STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

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6	DD_F	01.13.26
3	DD_90	11.13.25
2	DD_60/COE	10.24.25
1	SD_F	10.17.25

DELTA ISSUE DESCRIPTION DATE

IA INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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EGRESS & LIFE SAFETY (EXITING DIAGRAM)

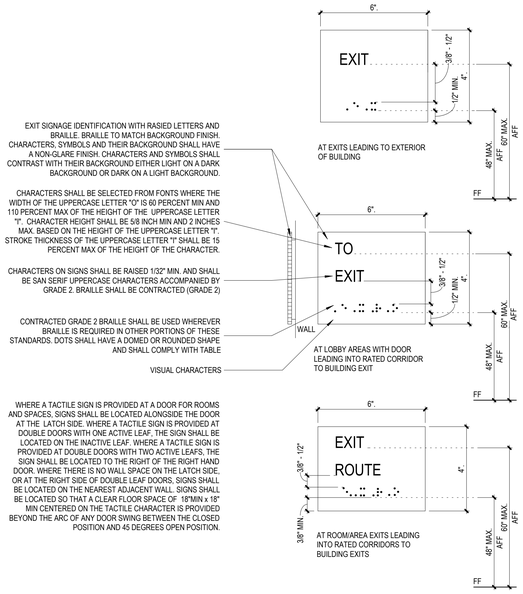
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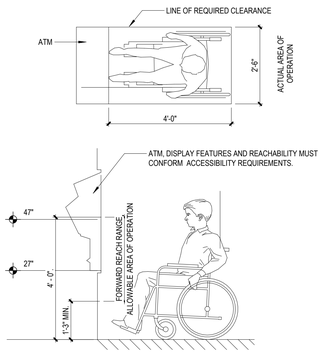
TACTILE EXIT SIGNAGE
1. A TACTILE EXIT SIGN WITH WORDS "EXIT", SHALL IDENTIFY EACH GRADE LEVEL EXTERIOR EXIT DOOR.

2. A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE" SHALL IDENTIFY EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM
OR AREA TO A CORRIDOR OR HALLWAY THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN.

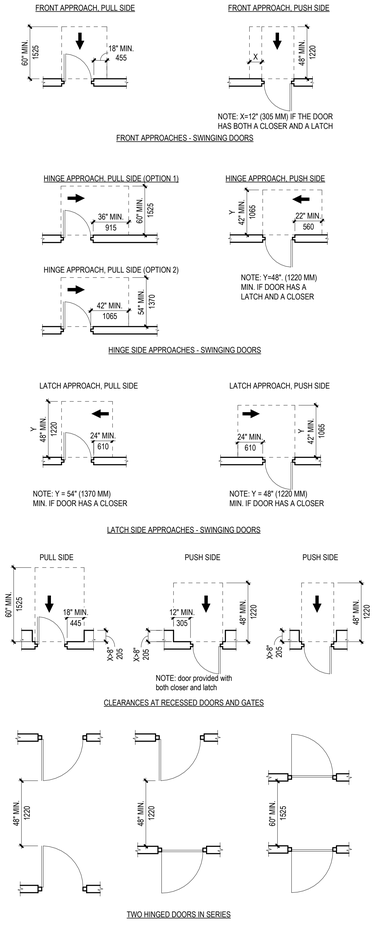
3. SIGNAGE MUST INCLUDE 1/32" RAISED CHARACTERS ACCOMPANIED WITH GRADE 2 BRAILLE AND THE INTERNATIONAL SYMBOL OF ACCESSIBILITY ON THE WALL ADJACENT TO THE DOOR AND LOCATED 60" ABOVE THE FLOOR. (TAS 703 SIGNS)

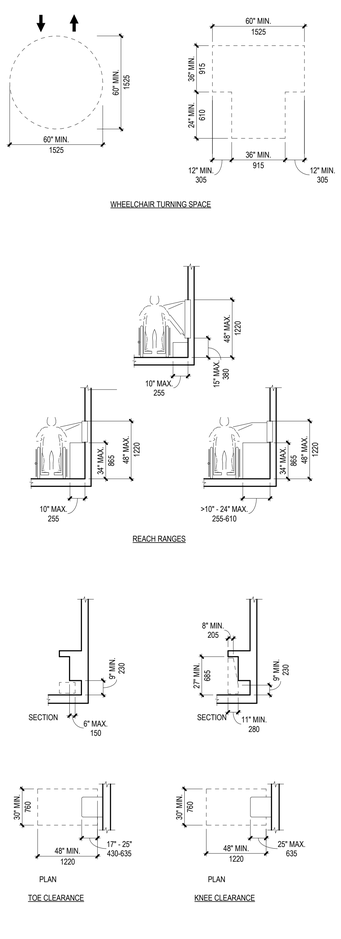


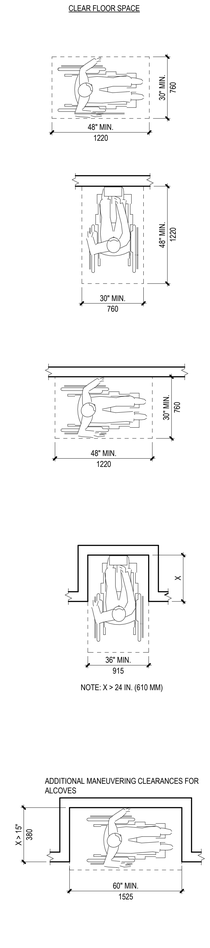
2 TACTILE EXIT SIGN

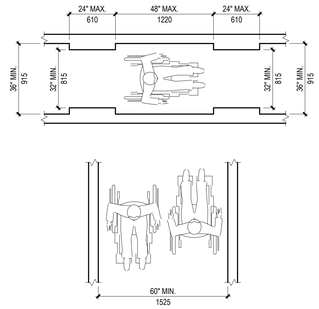


1 ATM APPROACH CLEARANCES

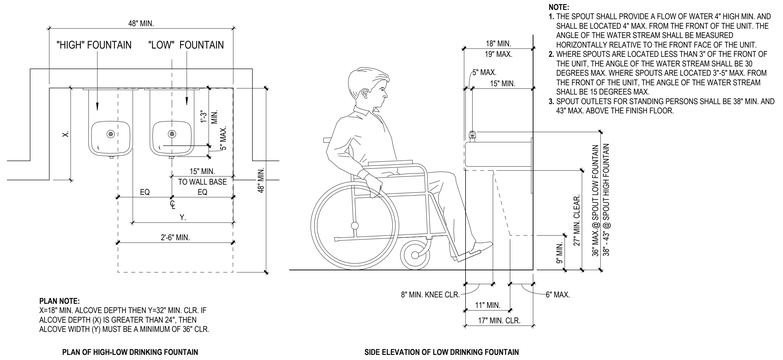




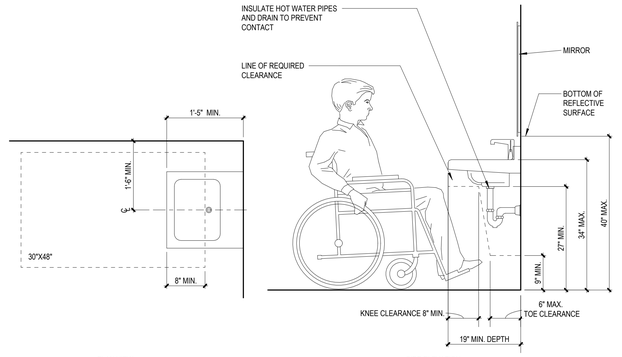




6 ACCESSIBILITY CLEARANCES
12" = 1'-0"

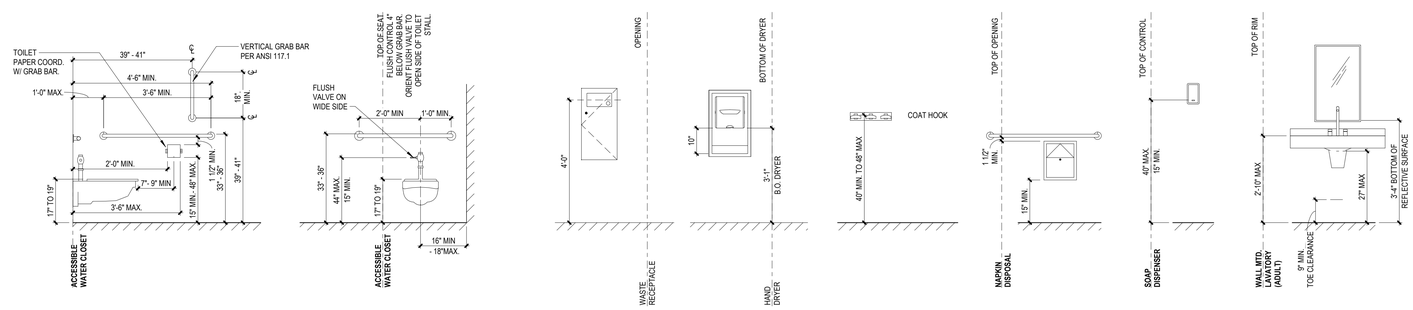


NOTE:
1. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN. AND SHALL BE LOCATED 4" MAX. FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT.
2. WHERE SPOUTS ARE LOCATED LESS THAN 3" OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAX. WHERE SPOUTS ARE LOCATED 3"-5" MAX. FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREES MAX.
3. SPOUT OUTLETS FOR STANDING PERSONS SHALL BE 38" MIN. AND 43" MAX. ABOVE THE FINISH FLOOR.



5 ACCESSIBLE - DRINKING FOUNTAINS

4 ACCESSIBLE - LAVATORY



3 ACCESSIBLE -TYPICAL ACCESSORY HEIGHTS

BANK OF AMERICA

CHIPMAN

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STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
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7	ISSUED FOR CD_90		01.30.26
3	DD_90		11.13.25
2	DD_60/COE		10.24.25

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CHICAGO, IL 60603
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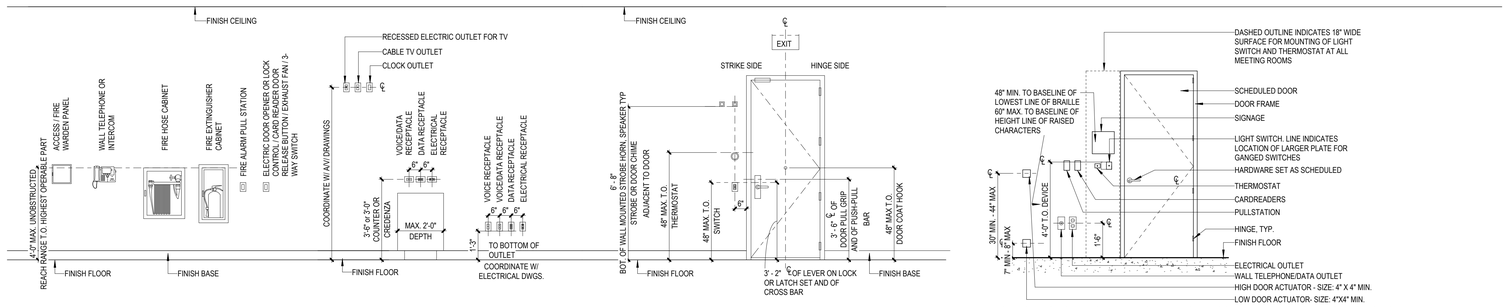
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ACCESSIBILITY INFORMATION (2009 ICC A117.1)

A00.12

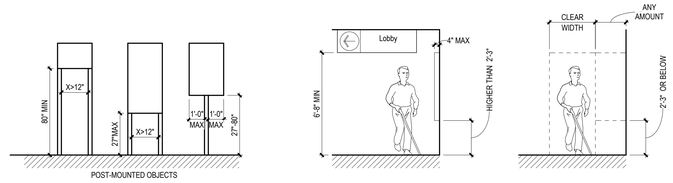
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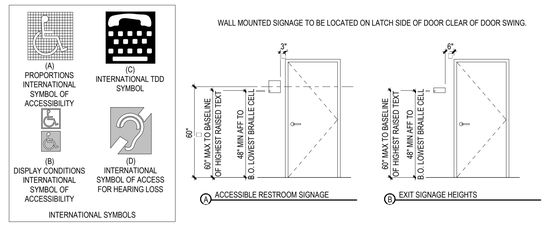
ALL MOUNTING HEIGHTS FOR OUTLET/DEVICE ARE TYPICAL AS INDICATED BELOW
ELECTRICIAN TO VERIFY AND COMPLY WITH LOCAL BUILDING CODES

5 TYPICAL MOUNTING HEIGHTS
3/8" = 1'-0"

NOTE: T.O. DEVICE TO BE AT 48" A.F.F. MAX. - CENTER ALL OTHER TO CENTER LINE OF LIGHT SWITCHES. T.O. SWITCH TO BE AT 40" A.F.F. MAX. WHERE SWITCH IS LOCATED ABOVE COUNTER. INSTALL ELECTRICAL AND TELEPHONE WALL OUTLETS AND SWITCHPLATES AT NEAREST STUD FROM SCALED LOCATION ON PLAN UNLESS SPECIFICALLY DIMENSIONED. WHERE DEVICES OF DIFFERENT TYPES ARE GROUPED TOGETHER (SWITCHES, T-STATS, TEL/DATA, ETC.) DEVICES ARE TO BE SPACED WITHIN 5"-7" O.C. HORIZONTALLY FROM THE ADJACENT DEVICE. U.O.N.



4 ACCESSIBLE-PROTRUDING OBJECTS
1/4" = 1'-0"

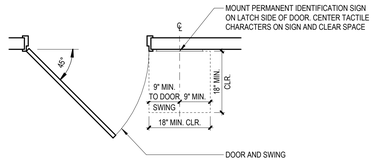


3 ACCESSIBILITY SIGNAGE
6" = 1'-0"

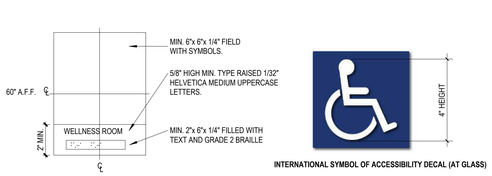


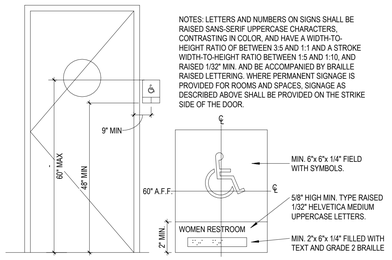
6 ACCESSIBILITY SIGNAGE
3" = 1'-0"

SIGN LOCATIONS AT DOOR



7 SIGN LOCATION AT DOORS
1 1/2" = 1'-0"





8 TYPICAL SIGNAGE INFORMATION (FOR REFERENCE ONLY)
12" = 1'-0"

COMPLETE INTERIOR ACCESSIBLE SIGNAGE SHALL BE PROVIDED AT LOCATIONS INCLUDING BUT NOT LIMITED TO:
- ROOM IDENTIFICATION
- DIRECTIONAL AND INFORMATIONAL
- ACCESSIBLE ENTRANCE AT MAIN ENTRY LOBBY
- ELEVATOR CAB OPERATING PANEL
- ELEVATOR ENTRANCE FLOOR IDENTIFICATION AT JAMB
- RESTROOMS
- ELEVATOR LOBBY EMERGENCY EVACUATION

TACTILE EXIT SIGNS SHALL BE PROVIDED AT LOCATIONS INCLUDING BUT NOT LIMITED TO:
- GRADE LEVEL EXIT DOORS "EXIT"
- EXIT DOORS LEADING TO GRADE LEVEL EXIT DOORS (STAIRWELL DOORS) "EXIT STAIR DOWN"
- EXIT DOORS LEADING TO GRADE LEVEL EXTERIOR EXIT "EXIT"
- EXIT ACCESS DOOR LEADING FROM ROOM OR AREA WITH VISUAL EXIT SIGN; "EXIT ROUTE"

PROVIDE "EMERGENCY EVACUATION MAPS" AND SIGNS WHERE REQUIRED PER LOCAL JURISDICTION.

ACCESSIBLE SIGNAGE SHALL BE PROVIDED AS NON-GLARE OVER CONTRASTING BACKGROUND, 1/32" RAISED CHARACTERS, TEXT HEIGHT 5/8" TO 2" AND PICTOGRAMS SHALL BE 6" HIGH MIN. MOUNTING HEIGHT MIN. 4'-0" ABOVE FINISHED FLOOR TO LOWEST BRAILLE AND MAX. 5'-0" TO BOTTOM OF HIGHEST LINE OF RAISED TEXT. MOUNT SIGNS TO LATCH SIDE OF DOOR. AT DOUBLE DOORS AT THE NEAREST WALL PREFERABLE AT THE RIGHT OF THE OPENING.



2 EXIT SIGNAGE
12" = 1'-0"

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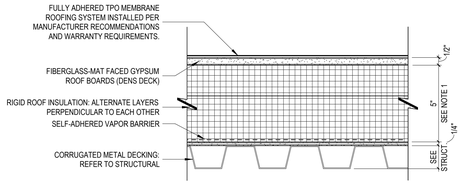
Owner Approval

47BACX.1247.069 — As indicated
Job No. — Scale

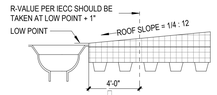
TYPICAL MOUNTING HEIGHTS & ACCESSIBILITY INFORMATION

A00.13

3/4/2026 1:18:29 AM 62p.tb01



RF1 ROOF ASSEMBLY
THERMOPLASTIC POLYOLEFIN (TPO) SYSTEM



FOR 1/4 : 12 SLOPE

NOTE:
1. THE 5" INSULATION THICKNESS SHALL START AT 1 INCH FROM MINIMUM THICKNESS OF TAPERED INSULATION PER IECC

ROOF ENERGY CALCULATION
IECC 2021 - TABLE C402.1.3:

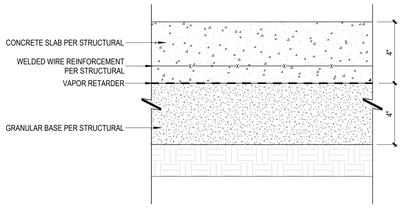
CITY OF LEES SUMMIT - REGION 4A

THE ROOF ASSEMBLY SHALL PROVIDE A TOTAL MINIMUM OF R-30 CI.

THE ROOF ASSEMBLY SHALL PROVIDE A TOTAL MAXIMUM U-FACTOR OF = 0.032

EXTERIOR AIR FILM =	0.17
TPO MEMBRANE =	0.15
1/2" DENS DECK =	0.56
5" RIGID INSULATION =	30.0
VAPOR BARRIER=	0.06
1/4" DENS DECK=	0.28
METAL DECKING=	0.00
TOTAL R-VALUE =	31.22
TOTAL U-VALUE= 1/R =	0.031

R-VALUES ARE PROVIDED ACCORDING TO ASHRAE 90.1-2013 AND/OR INDUSTRY STANDARDS



FL1 FLOOR ASSEMBLY
CONCRETE SLAB ON GRADE

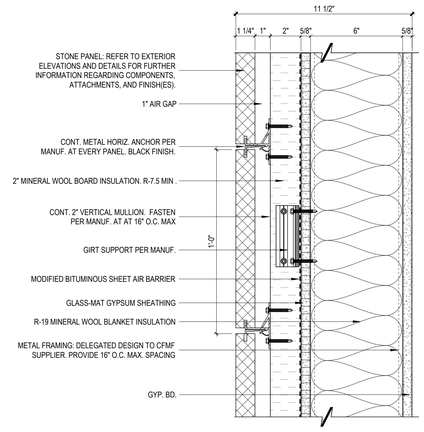
FLOOR ENERGY CALCULATION
IECC 2021 - TABLE C402.1.3:

CITY OF LEES SUMMIT - REGION 4A

REQUIRED:
THE SLAB-ON-GRADE (UNHEATED) ASSEMBLY SHALL PROVIDE A TOTAL MAXIMUM F-FACTOR OF F-0.52

PROVIDED:
F-0.52, R-13 FOR 24" VERTICALLY

F-FACTORS ARE PROVIDED ACCORDING TO ASHRAE 90.1-2007 APPENDIX A AND/OR INDUSTRY STANDARDS



EW9 EXTERIOR WALL ASSEMBLY
STONE VENEER RAINSCREEN SYSTEM

MARK	DESCRIPTION
EW9	STONE VENEER RAINSCREEN ON 6" CFMF BACKUP

EXTERIOR WALL ENERGY CALCULATION
IECC 2021 - TABLE C402.1.3:

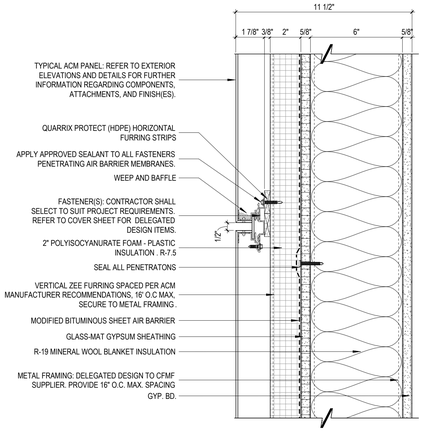
CITY OF LEES SUMMIT - REGION 4A

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MINIMUM OF R-13 + R-7.5 CI.

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MAXIMUM U-FACTOR OF = 0.077

EXTERIOR AIR FILM =	0.17
ACM PANEL =	0.09
2" CAVITY =	1.00
2" MINERAL WOOL =	8.00
AIR BARRIER =	0.06
5/8" GLASS-MAT SHEATHING =	0.56
R-19 BATT INSULATION =	7.30
5/8" GYPSUM BOARD =	0.54
INDOOR AIR FILM =	0.68
TOTAL R-VALUE =	18.40
TOTAL U-VALUE= 1/R =	0.054

R-VALUES ARE PROVIDED ACCORDING TO ASHRAE 90.1-2016 AND/OR INDUSTRY STANDARDS



EW1 EXTERIOR WALL ASSEMBLY
ACM PANEL SYSTEM

MARK	DESCRIPTION
EW1	ACM PANEL ON 6" CFMF BACKUP

EXTERIOR WALL ENERGY CALCULATION
IECC 2021 - TABLE C402.1.3:

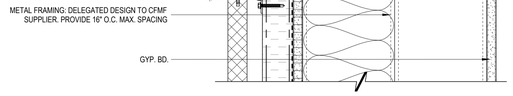
CITY OF LEES SUMMIT - REGION 4A

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MINIMUM OF R-13 + R-7.5 CI.

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MAXIMUM U-FACTOR OF = 0.077

EXTERIOR AIR FILM =	0.17
ACM PANEL =	0.09
2" CAVITY =	1.00
2" POLY ISO FOAM BOARD =	12.4
AIR BARRIER =	0.06
5/8" GLASS-MAT SHEATHING =	0.56
R-19 BATT INSULATION =	7.30
5/8" GYPSUM BOARD =	0.54
INDOOR AIR FILM =	0.68
TOTAL R-VALUE =	22.80
TOTAL U-VALUE= 1/R =	0.044

R-VALUES ARE PROVIDED ACCORDING TO ASHRAE 90.1-2016 AND/OR INDUSTRY STANDARDS



EW9C EXTERIOR WALL ASSEMBLY
STONE VENEER RAINSCREEN SYSTEM

MARK	DESCRIPTION
EW9C	STONE VENEER RAINSCREEN ON (2) 6" CFMF BACKUP

EXTERIOR WALL ENERGY CALCULATION
IECC 2021 - TABLE C402.1.3:

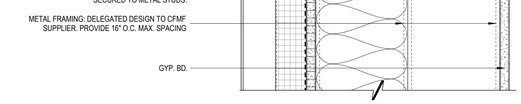
CITY OF LEES SUMMIT - REGION 4A

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MINIMUM OF R-13 + R-7.5 CI.

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MAXIMUM U-FACTOR OF = 0.077

EXTERIOR AIR FILM =	0.17
ACM PANEL =	0.09
2" CAVITY =	1.00
2" MINERAL WOOL =	8.00
AIR BARRIER =	0.06
5/8" GLASS-MAT SHEATHING =	0.56
R-19 BATT INSULATION =	7.30
5/8" GYPSUM BOARD =	0.54
INDOOR AIR FILM =	0.68
TOTAL R-VALUE =	18.40
TOTAL U-VALUE= 1/R =	0.054

R-VALUES ARE PROVIDED ACCORDING TO ASHRAE 90.1-2016 AND/OR INDUSTRY STANDARDS



EW1C EXTERIOR WALL ASSEMBLY
ACM PANEL SYSTEM

MARK	DESCRIPTION
EW1C	ACM PANEL ON 6"+6" CFMF BACKUP

EXTERIOR WALL ENERGY CALCULATION
IECC 2021 - TABLE C402.1.3:

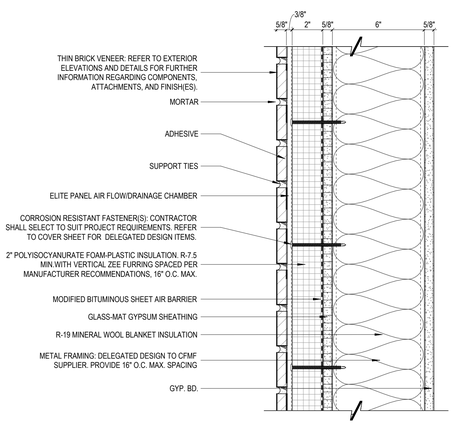
CITY OF LEES SUMMIT - REGION 4A

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MINIMUM OF R-13 + R-7.5 CI.

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MAXIMUM U-FACTOR OF = 0.077

EXTERIOR AIR FILM =	0.17
ACM PANEL =	0.09
2" CAVITY =	1.00
2" POLY ISO FOAM BOARD =	12.4
AIR BARRIER =	0.06
5/8" GLASS-MAT SHEATHING =	0.56
R-19 BATT INSULATION =	7.30
5/8" GYPSUM BOARD =	0.54
INDOOR AIR FILM =	0.68
TOTAL R-VALUE =	22.80
TOTAL U-VALUE= 1/R =	0.044

R-VALUES ARE PROVIDED ACCORDING TO ASHRAE 90.1-2016 AND/OR INDUSTRY STANDARDS



EW10 EXTERIOR WALL ASSEMBLY
THIN BRICK VENEER SYSTEM

MARK	DESCRIPTION
EW10	THIN BRICK VENEER ON 6" CFMF BACKUP

EXTERIOR WALL ENERGY CALCULATION
IECC 2021 - TABLE C402.1.3:

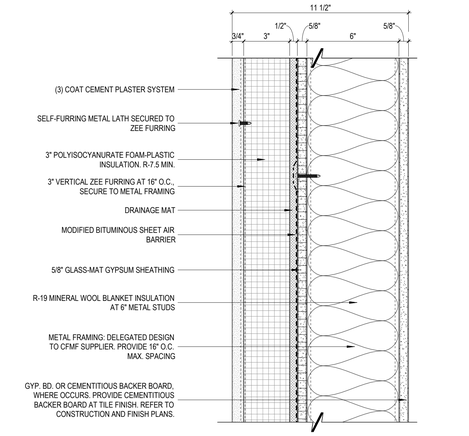
CITY OF LEES SUMMIT - REGION 4A

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MINIMUM OF R-13 + R-7.5 CI.

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MAXIMUM U-FACTOR OF = 0.077

EXTERIOR AIR FILM =	0.17
ACM PANEL =	0.09
2" CAVITY =	1.00
2" ISO FOAM BOARD =	12.4
AIR BARRIER =	0.06
5/8" GLASS-MAT SHEATHING =	0.56
R-19 BATT INSULATION =	7.30
5/8" GYPSUM BOARD =	0.54
INDOOR AIR FILM =	0.68
TOTAL R-VALUE =	22.80
TOTAL U-VALUE= 1/R =	0.044

R-VALUES ARE PROVIDED ACCORDING TO ASHRAE 90.1-2016 AND/OR INDUSTRY STANDARDS



EW3 EXTERIOR WALL ASSEMBLY
3 PART CEMENT PLASTER SYSTEM

MARK	DESCRIPTION
EW3	CEMENT PLASTER ON 6" CFMF BACKUP

EXTERIOR WALL ENERGY CALCULATION
IECC 2021 - TABLE C402.1.3:

CITY OF LEES SUMMIT - REGION 4A

THE EXTERIOR WALL ASSEMBLY SHALL PROVIDE A TOTAL MINIMUM OF R-13 + R-7.5 CI.

TOTAL MAXIMUM U-FACTOR OF = 0.077

EXTERIOR AIR FILM =	0.17
ACM PANEL =	0.09
2" CAVITY =	1.00
3" POLY ISO FOAM BOARD =	18.6
AIR BARRIER =	0.06
5/8" GLASS-MAT SHEATHING =	0.56
R-19 BATT INSULATION =	7.30
5/8" GYPSUM BOARD =	0.54
INDOOR AIR FILM =	0.68
TOTAL R-VALUE =	27.82
TOTAL U-VALUE= 1/R =	0.036

R-VALUES ARE PROVIDED ACCORDING TO ASHRAE 90.1-2016 AND/OR INDUSTRY STANDARDS

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8		ISSUED FOR PERMIT	03.04.26
7		ISSUED FOR CD_90	01.30.26
3		DD_90	11.13.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

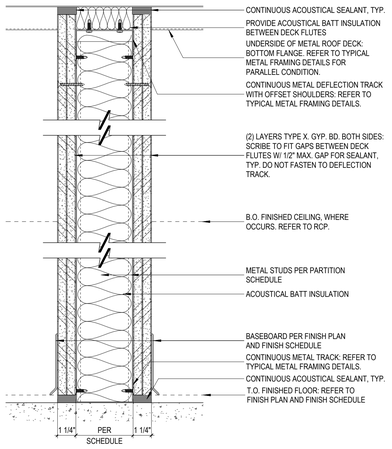
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Owner Approval
47BACX.1247.069 — Job No.
3" = 1'-0" — Scale

TYPICAL EXTERIOR ASSEMBLIES

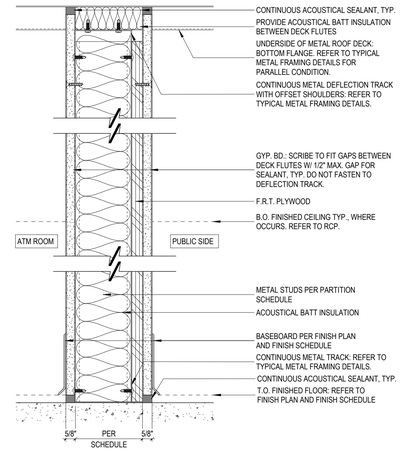
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3/4/2026 11:59:00 AM RSX 25.01



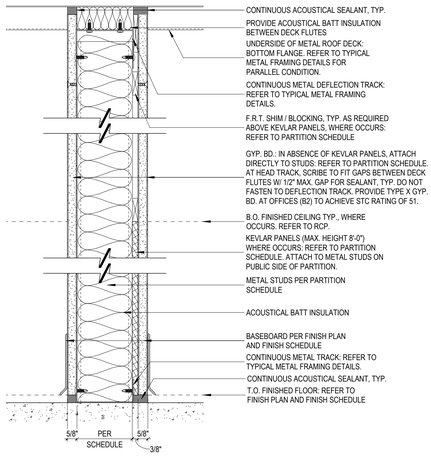
4 PARTITION TYPE 'G'
3" = 1'-0"

PARTITION TYPE MARK	FRAMING SSMA #	DEPTH	SPACING	MAX DEFLECTION	MAX HT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
3 5/8"									
G	362S125-33	3 5/8"	16" O.C.	L/240	17' - 5"	3 1/2"	-	-	51
6"									
G5	600S125-33	6"	16" O.C.	L/240	25' - 6"	6"	-	-	51



3 PARTITION TYPE 'F'
3" = 1'-0"

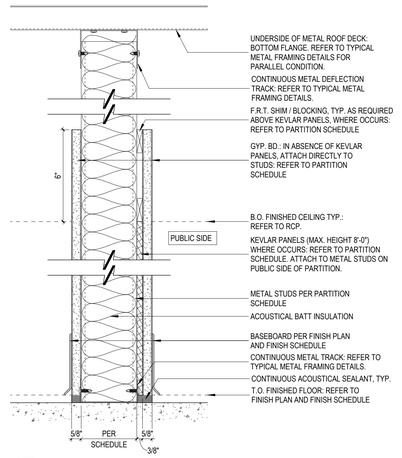
PARTITION TYPE MARK	FRAMING SSMA #	DEPTH	SPACING	MAX DEFLECTION	MAX HT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
3 5/8"									
F	362S125-33	3 5/8"	16" O.C.	L/240	17' - 5"	3 1/2"	-	-	-



NOTE:
- * DENOTES GYP. BOARD ON ONE SIDE ONLY
- S DENOTES STRUCTURAL STUD

2 PARTITION TYPE 'B'
3" = 1'-0"

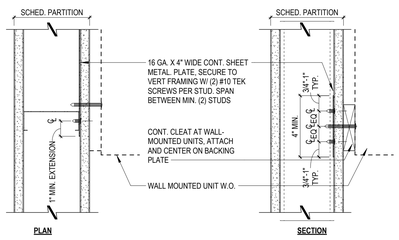
PARTITION TYPE MARK	FRAMING SSMA #	DEPTH	SPACING	MAX DEFLECTION	MAX HT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
3 5/8"									
B	362S125-33	3 5/8"	16" O.C.	L/240	17' - 5"	3 1/2"	-	-	-
B*	362S125-33	3 5/8"	16" O.C.	L/240	16' - 0"	3 1/2"	-	-	-
B-S	362S137-54	3 5/8"	16" O.C.	L/240	19' - 6"	3 1/2"	-	-	-
B-S*	362S137-54	3 5/8"	16" O.C.	L/240	19' - 6"	3 1/2"	-	-	-
6"									
B5K-S	600S137-54	6"	16" O.C.	L/240	29' - 2"	6"	-	-	-



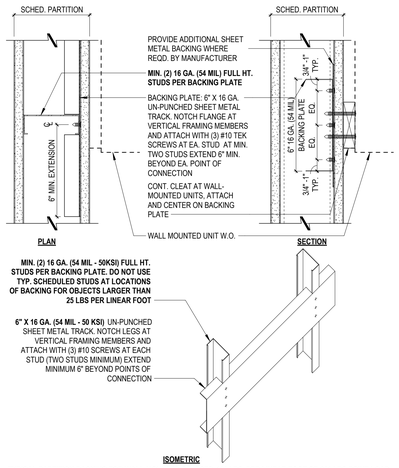
NOTE:
- * DENOTES GYP. BOARD ON ONE SIDE ONLY
- K DENOTES KEVLAR PANEL BETWEEN STUDS AND GYP. BOARD
- S DENOTES STRUCTURAL STUD

1 PARTITION TYPE 'A'
3" = 1'-0"

PARTITION TYPE MARK	FRAMING SSMA #	DEPTH	SPACING	MAX DEFLECTION	MAX HT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG
3 5/8"									
A1	362S125-33	3 5/8"	16" O.C.	L/240	16' - 0"	3 1/2"	-*	-	-
A1*	362S137-54	3 5/8"	16" O.C.	L/240	19' - 6"	3 1/2"	-	-	-
A1K	362S125-33	3 5/8"	16" O.C.	L/240	16' - 0"	3 1/2"	-	-	-
A1K*	362S125-33	3 5/8"	16" O.C.	L/240	16' - 0"	3 1/2"	-	-	-
A-S	362S137-54	3 5/8"	16" O.C.	L/240	19' - 6"	3 1/2"	-	-	-



TYPICAL PARTITION BACKING FOR OBJECTS WITH MAXIMUM VERTICAL LOAD OF 25 LBS. PER LINEAR FOOT



TYPICAL PARTITION BACKING FOR WALL-MOUNTED OBJECTS 100 LBS. PER LINEAR FOOT OR 250 LBS POINT LOAD

NOTE:
1. COORDINATE BACKING PLATE LOCATION WITH ACCESSORY MANUFACTURER'S MOUNTING INSTRUCTIONS.
2. COORDINATE FULL HT. STUD GAUGE FOR ALL LOCATIONS BETWEEN 25 LBS AND 100 LBS PER LINEAR FOOT.
3. SEE STRUCTURAL DRAWINGS FOR PARTITION BLOCKING AND FRAMING FOR HEAVIER LOADS.
4. PROVIDE PARTITION BACKING AT ITEMS SUCH AS SHELVING, MILLWORK, WALL-MOUNTED RESTROOM FIXTURES, HANDRAILS, GRAB BARS, SIGNAGE, TOILET ACCESSORIES, ETC. AS REQUIRED FOR PROPER ATTACHMENT AND AS REQUIRED BY THE CONTRACTOR.

5 TYPICAL IN-WALL BACKING FOR WALL MOUNTED UNITS
3" = 1'-0"

SHEET NOTES

1. PROVIDE BLOCKING IN WALLS FOR ARTWORK HANGING. COORDINATE WITH ART VENDOR FOR LOCATIONS.
2. STAGGER GYP. BD. SEAMS BETWEEN DOUBLE LAYERS OF DRYWALL.
3. INSTALL JUNCTION BOXES SERVING OPPOSITE SIDES OF A PARTITION IN SEPARATE STUD CAVITIES.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
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7		ISSUED FOR CD_90	01.30.26
6		DD_F	01.13.26
3		DD_90	11.13.25
2		DD_60/COE	10.24.25

INTERIOR ARCHITECTS

CHICAGO
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CHICAGO, IL 60603
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Owner Approval

47BACX.1247.069 — Job No.
3" = 1'-0" — Scale

PARTITION TYPES

A00.32

3/4/2026 1:19:42 AM 4:29:3:01

EQUIPMENT SCHEDULE (FOR REFERENCE)

NUMBER	DESCRIPTION	MANUF/MODEL NO.	DIMENSION	NOTES	ORDERED BY	INSTALLED BY
1. EQUIPMENT BY BANK SECURITY VENDOR; HAMILTON, DIEBOLD, & NCR						
38	NIGHT DEPOSITORY- WALK UP/DRIVE UP	DIEBOLD 19-086723-111A	-	COLOR: CHARCOAL GRAY	PJM	BANK VENDOR
39	ADA SIT DOWN PEDESTAL	DIEBOLD 19-086720-00A	18.85"W X 20"D X 28.58"H	SD-3-LL (LEFT) OR SD-3-RL (RIGHT)	PJM	BANK VENDOR
41b	CSR SAFE	HAMILTON 14-146	40"W X 26"D X 72"H	COLOR: CHARCOAL GRAY	PJM	BANK VENDOR
41c	BULK SAFE	HAMILTON 14-147	40"W X 26"D X 72"H	COLOR: CHARCOAL GRAY	PJM	BANK VENDOR
43	STAND UP PEDESTAL	DIEBOLD 19-086723-111A	18.85"W X 18.8"D X 38.33"H	SU-4-L2L (LEFT) OR SU-4-R2L (RIGHT)	PJM	BANK VENDOR
56	TTW WU ATM	DIEBOLD 450V TTW WU ATM	-	-	PJM	BANK VENDOR
57	DU ISLAND ATM	DIEBOLD D490V DU ISLAND ATM	-	-	PJM	BANK VENDOR
2. EQUIPMENT BY SECURITY VENDOR						
58	SECURITY MONITOR	CLINTON: ELECTRONICS LCD MONITOR	15", 17", 19" SCREEN	15" AT CALLING CUBES; 17"/19" AT WORK ROOM	PJM	SECURITAS
59	SECURITY CAMERA (INTERIOR DOME)	HANWHA WILSENET X; XND-6080RV	6.3"W X 4.67"H	-	PJM	SECURITAS
59A	SECURITY CAMERA (360 INTERIOR DOME)	HANWHA WILSENET X; XNF-8010R	5.75"W X 2.59"H	COLOR: WHITE	PJM	SECURITAS
61	HOLD UP BUTTON	DMP 1142-B	1.6"W X 3.3"L X 1.2"H	WIRELESS 2 BUTTON TRANSMITTER; COLOR: BLACK	PJM	SECURITAS
62	ROBBERY LIGHT	DMP 572	2.75"W X 4.5"H	POLYCARBONATE INDICATOR LED WITH STAINLESS STEEL MOUNTING PLATE	PJM	SECURITAS
63	SECURITY CAMERA (INTERIOR BOX)	HANWHA WISENET XNB-6000	2.88"W X 5.82"D X 2.62"H	-	PJM	SECURITAS
86	DOOR CONTACT WIRELESS	DMP 1101-W	4.65"L X 3.1"W X 1.4"H	COLOR: WHITE	PJM	SECURITAS
94	SECURITY PANEL (KEYPAD)	DMP 7872-WBOA	5.8"W X 0.6"D X 4.13"H	COLOR: WHITE	PJM	SECURITAS
97A	SECURITY CAMERA (360 EXTERIOR DOME)	HANWHA WISENET X; XNF-8010RV	5.75"W X 2.59"H	COLOR: WHITE	PJM	SECURITAS
99	MOTION DETECTOR	DMP 1127W-W	2.7"W X 1.77"D X 4.33H	COLOR: WHITE	PJM	SECURITAS
100	CARD READER (ATM VESTIBULE ACCESS)	PARABIT 200-10095-BT-2X	-	-	PJM	SECURITAS
101	CARD READER (EMPLOYEE ACCESS)	DMP HID MP-5365 OR TL-5395	-	-	PJM	SECURITAS
106	SECURITY MONITOR AT TELLER STATION	ORION: 10REDPW	-	-	SECURITY	SECURITAS
3. EQUIPMENT BY TECHNOLOGY VENDOR/BANK						
10	LAPTOP, LAPTOP STAND, KEYBOARD, MOUSE	-	-	-	TECHNOLOGY	HP/TPM
10A	MONITOR	DELL P2419H	-	-	TECHNOLOGY	HP/TPM
11	MONITOR	-	-	ENERGY STAR GOLD	TECHNOLOGY	HP/TPM
14	COUNTER COPIER/FAX	HP M528 MULTI PRINTER	20.3"W X 21.6"D X 28.2"H	INCLUDES CE530A 500 SHEET ACCESSORY	TECHNOLOGY	HP/TPM
22	PRINTER	M507DN	-	-	TECHNOLOGY	HP/TPM
23	CORDLESS PHONE	CISCO 8821	2.2"W X .7"D X 5.2"H	BACK TELLER LINE	TECHNOLOGY	BLACKBOX
24	PHONE	CISCO 8862 - WALL MOUNT	10.5"W X 6.0"D X 8.2"H	COLOR: BLACK	TECHNOLOGY	BLACKBOX
25	QUICK SERVICE TERMINAL	VERIFONE MX 925	8.6"W X 2.2"D X 9.1"H	-	TECHNOLOGY	BLACKBOX
26	CURRENCY COUNTER	PRO NOTE 1.5 (G&D)	335 X 280 X 270 MM	STANDARD FOR NEW FC IS 1 POCKET	TECHNOLOGY	HP/TPM
26A	CURRENCY COUNTER	BPS C2-2 (G&D)	510 X 330 X 390 MM	-	TECHNOLOGY	HP/TPM
29	CART	STAPLES #810832	40.125"W X 20"D X 37.75"H	COLOR: GRAY	-	-
30	COUNTER CHECK SEPARATOR	MMF 266066404	16.25"W X 8"D X 4"H	COLOR: BLACK	-	-
32	SIX POCKET FORM HOLDER	MMF 267460604	8"W X 3-5/8"D X 6"H	COLOR: SMOKE	-	-
55	ROLLING RECYCLE BINS	SHRED IT	24"W X 30"D X 42"H	COLOR: GRAY	PJM	GC/PJM
64	PURELL HAND SANITIZER	GOJO PURELL FMX-12 DISPENSER	6.125" X 5.125"D X 10.625"H	COLOR: WHITE	PJM	GC/PJM
71	CREDIT CARD TERMINAL	FIRST DATA FD50TI	3.7"W X 7.8"D X 3.5"H	-	-	-
88A	US FLAG	US FLAG	-	-	PJM	HP/TPM
96	TABLET STORAGE	MIDDLE ATLANTIC PRODUCTS: PTRK-2126	26.93"W x 26.93"D x 45.91H"	-	-	-
115	QST MOUNT	LOW CONTOUR STAND (367-2481)	-	-	TECHNOLOGY	BLACKBOX
117	CHECK SCANNER	PANINI EVERNEXT SCANNER	6.1"W X 8.9"L X 8.4"H	-	TECHNOLOGY	BLACKBOX
118	PROOF WORK TRAY	BANK STANDARD	-	-	BOFA	BOFA
119	BLANK DEPOSIT SLIP TRAY	BANK STANDARD	-	-	BOFA	BOFA
120	110" MEDIA MONITOR MOUNT	SAMSUNG BN61-17703B	-	-	PJM	GC/PJM
141	HP THUNDERBOLT DOCK	HP	-	-	TECHNOLOGY	BANK VENDOR
142	CONTACTLESS CARD READER	MAGTEK	-	-	TECHNOLOGY	BANK VENDOR
4. EQUIPMENT BY CONTRACTOR						
01	FIREMAN'S LOCKBOX	KNOXBOX 3200, RECESSED	7"W X 3"D X 7"H	COLOR: BLACK POWDER COAT	GC	GC
03	COAT HOOKS	REFER TO SPECIFICATIONS SECTION 12 90 00	-	COAT RACK WITH 3 HOOKS ON BAR. 2 BARS AND 6 HOOKS IN TOTAL	GC	GC
07	COMBO BOARD	STAPLES #518886 W/ QUARTET ACCESSORIES	48"W X 36"H	COLOR: CORK/WHITE, NATURAL FINISH. CONTRACTOR TO INSTALL, ONLY	GC	GC
09	WALL CLOCK	STAPLES #32436	10" DIA	BLACK BEZEL AND WHITE FACE. REQUIRES AA BATTERY.	GC	GC
15	MICROWAVE	GE: #GCST20S1WSS	19.4"D X 24.09"W X 13.75"H	COLOR: STAINLESS STEEL/BLACK	GC	GC
16	REFRIGERATOR (FULL SIZE)	FRIDGIDAIRE GALLERY 20 CU. FT STANDARD - DEPTH BOTTOM FREEZER REFRIGERATOR; GRBN2012AF	30"W X 31"D X 68.75"H	COLOR: STAINLESS STEEL	GC	GC
51	DOUBLE TRASH & RECYCLING CONTAINERS	RECYCLE AWAY - SIMPLE SORT DOUBLE RECYCLING STATION	22"L X 20" W X 30" H	RECYCLABLES: BLUE WASTE: BLACK	GC	GC
65	FILTRATED WATER DISPENSER	ION; #TS400	16.2"W X 13.6"D X 20.6"H	COLOR: TITANIUM WITH CHARCOAL TRIM	GC	GC
66	DESK SIDE RECYCLING CONTAINER	RUBBERMAID 2955-73	8.25"W X 11.38"L X 12.13"H	-	GC	GC
69	CORK BOARD	STAPLES #ST52462-CC; QUARTET	(2) 48"W X 36"H	-	GC	GC
88B	FLAG POLE	EXTERNAL HALYARD FLAG POLE	-	ORDER WITH TOP BEACON LIGHT	GC	GC
107	TRASH CAN - WELLNESS ROOM	HONEY CAN DO 3.2 GAL S.S. OVAL STEP TRASH CAN, ITEM #985602, MODEL #TRS-01447	11.75"W X 10.12"D X 15.37"H	COLOR: SILVER, STAINLESS STEEL. SUPPLIED BY RDX	GC	GC
108	SOUND MACHINE	PURE ENRICHMENT WAVE SLEEP THERAPY; PESLEEP-W/853975005477	-	-	GC	GC
116	EXTERIOR TRASH RECEPTACLE	UNITED RECEPTACLE; CORNERSTONE FIBERGLASS; FGC2035T	20" DIA. X 36"H	COLOR: PEBBLE; CONTACT: JANISAN 1-877-277-2949	GC	GC

FINISH SCHEDULE

FINISH CODE	DESCRIPTION	VENDOR CONTACT	ORDERED BY	INSTALLED BY
CARPET (BAC PROPRIETARY)				
CPT-10	SCAPE ONE - BY TARKETT/TANDUS (6'-0" ROLLED) CATALOG NUMBER -113963843-80A	PJM TO REACH OUT TO CENTRAL EMAIL: BOACONTRACT@TARKETT.COM	PJM	TARKETT
CERAMIC TILE (BAC PROPRIETARY)				
CT-12C	COVE BASE: 6" X 6" DALTILE: COLOR WHEEL COLLECTION - CLASSIC. 5/16" THICK COVE BASE, MATTE DESERT GRAY (X714) / GROUT (G-9) 1/8" THICKNESS: MAPEI,COLOR:PEWTER #2	"	PJM	TARKETT
CT-17	FIELD TILE: 12"X24" KAREN PEARSE TRAVERTINE LOOK; FINISH: GRIGIO MATTE; GROUT: MAPEI; COLOR: SILVER	"	PJM	GC
VINYL COMPOSITION TILE				
FLR-1	TARKETT: 9" X 48" VINYL COMPOSITE TILE, OPEN PATH; OUTLOOK 4684; ASHLAR PATTERN INSTALLATION	PJM TO REACH OUT TO CENTRAL EMAIL: BOACONTRACT@TARKETT.COM	PJM	TARKETT
WALL BASE				
B-11	TARKETT/ JOHNSONITE MANDALAY SERIES MW-XX-H WALL BASE, RUBBER, 4 1/2" x 3/8", #82 BLACK PEARL	PJM TO REACH OUT TO CENTRAL EMAIL: BOACONTRACT@TARKETT.COM	PJM	TARKETT
B-12	SCAPE ONE - BY TARKETT/TANDUS (6'-0" ROLLED) CATALOG NUMBER -113963843-80A	"	PJM	TARKETT
PAINT				
PT-14	BENJAMIN MOORE; LATEX FLOOR & PATIO (N122) OVER COROTECH ACRYLIC METAL PRIMER (V110); COLOR: 2118-10 UNIVERSAL BLACK; ROOF LADDER FACTORY APPLIED.	REFER TO LOCAL REP. WWW.BENJAMINMOORE.COM/EN-US	GC	GC
PT-15	BENJAMIN MOORE ULTRA SPEC 500; EGGSHELL FINISH FOR WALLS, SEMI-GLOSS FINISH FOR DOORS/FRAMES, FLAT FINISH FOR CEILINGS. COLOR: SUPER WHITE (OC-152).	"	GC	GC
PT-16	BENJAMIN MOORE ULTRA SPEC 500; EGGSHELL FINISH FOR WALLS, SEMI-GLOSS FINISH FOR DOORS/FRAMES, FLAT FINISH FOR CEILINGS. COLOR:SILVER CHAIN (1472).	"	GC	GC
PT-17	BENJAMIN MOORE ULTRA SPEC 500; EGGSHELL FINISH FOR WALLS. COLOR: CHARCOAL SLATE (HC-178).	"	GC	GC
PT-24	SCUFFMASTER; STYLE NAME: SCRUBTOUGH; STYLE NUMBER: ST9824 COLOR: THIS PAINT TO MATCH P-15.	"	GC	GC
PT-26	SCUFFMASTER; STYLE NAME: SCRUBTOUGH; STYLE NUMBER: STT11277M COLOR: THIS PAINT TO MATCH BOTH P-18 AND P-20	"	GC	GC
WALL COVERING				
WC-2	GLASS FIBER REINFORCED PLASTIC PANEL: COLOR: WHITE; FINISH: GELCOATED MOLDED PEBBLE TEXTURE	-	GC	GC
WC-3	MARLITE - SYMMETRIX SMARTSEAM; FINISH: WHITE GREY GROUT LINES SS917; PANEL SIZE 4' X 10' (FIELD CUT TO 60" HIGH; TILE CONFIGURATION 6" X 3" RUNNIG BOND; SCORING WIDTH 1/8"; FINISH AT TOP: CAPPED WITH EDGE TRIM, SATIN ANODIZED FINISH; EDGE PROFILE: HALF GROOVES ON 4 SIDES	-	GC	GC
WC-18	TURF FELT WALLCOVERING; COLOR: CHARCOAL #6; PANEL SIZE: 36" OR 48"	KIMBERLY METZGER, KMETZGER@DFKMASSOCIATES.COM	DKFM	DKFM
WC-#X	TBD	"	PJM	GPI
WS-3D-WO	TBD	"	PJM	GPI
GLAZING FILM				
FLM-25	BUMPER STRIPE - DISTRACTION GRAPHIC FILM - FROSTED DISTRACTION BAND	"	PJM	GPI
FLM-28	MICRODOT OFFICE FADE FILM; FADES FROM OBSCURING TO CLEAR	"	PJM	GPI
SS-M-G	SPECIALIST OFFICE REMOVABLE SIGNAGE	"	PJM	GPI
WALK OFF MAT				
WM-2	ULINE SLIP GUARD, 3' X 5', H-118	"	GC	GC
WM-3	TANDUS GROUP #02578, 24"X24", CHARCOAL #19100	FRANK.WISEMAN, 704.728.9552, FRANK.WISEMAN@TARKETT.COM	PJM	TARKETT
ROLLER SHADE				
SH-1	MECHOSHADE SYSTEMS ECOVEIL SCREENS - 1550 SERIES; 3% OPEN; COLOR: SILVER BIRCH #1569; CHAIN-AND-CLUTCH OPERATING MECHANICSM WITH CONTINOUS-LOOP BEAD CHAIN	-	GC	GC

NOTE:
- WALL BASE SHOULD NOT CONTINUE BEHIND AND OVER FIXED BUILT-IN MILLWORK/ EQUIPMENT.
- CONTRACTOR SHALL COORDINATE AND VERIFY ALL EQUIPMENT INFORMATION WITH THE OWNER AND MANUFACTURER PRIOR TO PROCURING MATERIALS AND ROUGH-IN OF RELATED SERVICES.

ARCHITECTURAL MILLWORK SCHEDULE

MILLWORK NUMBER	NAME	DESCRIPTION	WIDTH	DEPTH	PLAN, ELEVATION AND DETAIL LOCATION
MW01	PRINTER CABINET	CABINET WITH SHELVES ON GUIDES (PL-7)	3' - 1 1/2"	2' - 7 1/2"	A12.63
MW05A	STORAGE	ADJUSTABLE SHELVES ON STANDARDS	4' - 8"	1' - 3"	A12.64
MW05B	STORAGE	ADJUSTABLE SHELVES ON STANDARDS	5' - 1"	1' - 3"	A12.64
MW06A	JANITOR	ADJUSTABLE SHELVES ON STANDARDS	3' - 4 1/2"	1' - 3"	A12.64
MW06B	STORAGE	ADJUSTABLE SHELVES ON STANDARDS	3' - 4 1/2"	1' - 3"	A12.64
MW07	UNIVERSAL CALL CUBE	BASE CABINET WITH 1'-3" DEEP UPPER CABINET (PROVIDE BACKSPLASH & SIDESPLASH)	7' - 6"	2' - 0"	A08.08, A12.64
MW08	BREAKROOM	BASE CABINET WITH SINK	8' - 5"	2' - 0"	A08.07, A12.64
MW09	TELLER OPERATION SPECIALIST	BASE CABINET WITH 1'-3" DEEP UPPER CABINET (COUNTER, BACKSPLASH & SIDESPLASH)	4' - 8"	2' - 0"	A08.05, A12.64, A12.65
MW11A	TELLER WORK COUNTER	BASE CABINET (PROVIDE BACKSPLASH AND SIDESPLASH)	13' - 0"	2' - 0"	A08.05, A12.64
MW12A	TELLER WORKROOM	BASE CABINET WITH 1'-3" DEEP UPPER CABINET (PROVIDE BACKSPLASH & SIDESPLASH)	7' - 0"	2' - 0"	A08.07, A12.64
MW12B	TELLER WORKROOM	WORK COUNTER WITH 1'-3" DEEP UPPER CABINET (PROVIDE BACKSPLASH & SIDESPLASH)	5' - 0"	2' - 0"	A08.07, A12.64
MW13	WORK ROOM CASH VAULTS	SHELVING AND SURROUND, (PL-7)	12' - 9 5/8"	2' - 7"	A08.07, A12.64, A12.65
MW13A	CABINET WITH SHELVES ON GLIDES (PL-7)	SHELVING AND SURROUND, (PL-7)	1' - 7 1/2"	2' - 7"	A08.07, A12.64
MW18	ATM ROOM	BASE CABINET AND 1'-3" DEEP MELAMINE SHELVES.	3' - 6"	2' - 0"	A08.08, A12.64

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8		ISSUED FOR PERMIT	03.04.26
7		ISSUED FOR CD_90	01.30.26
6		DD_F	01.13.26
3		DD_90	11.13.25
2		DD_60/COE	10.24.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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Owner Approval

47BACX.1247.069
Job No. Scale

EQUIPMENT, FINISH, ATM, GLAZING SCHEDULES

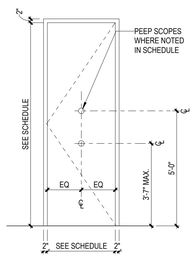
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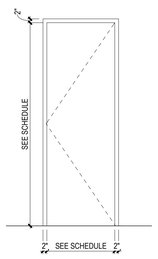
DOOR SCHEDULE

ASSEMBLY			DOOR					FRAME		ASSEMBLY RATING			
			DIMENSIONS							FIRE	HARDWARE		
NO.	LOCATION	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH	RATING	SET	NOTES	ORDERED BY	INSTALLED BY
100	VESTIBULE	D	6' - 0"	9' - 0"	1 3/4"	ALUMINUM/GLASS	CLEAR ANODIZED	ALUMINUM	CLEAR ANODIZED	-	AL-2C		GC	GC
100A	WAITING AREA	D1	3' - 0"	9' - 0"	2"	ALUMINUM/GLASS	CLEAR ANODIZED	ALUMINUM	CLEAR ANODIZED	-	AL-1C	EMPLOYEE ENTRANCE	GC	GC
101	VESTIBULE	E	6' - 0"	9' - 0"	1 3/4"	ALUMINUM/GLASS	CLEAR ANODIZED	ALUMINUM	CLEAR ANODIZED	-	AL-3C	REFER TO SHEET A12.40 FOR DETAILS	GC	GC
101A	WAITING AREA	H	8' - 0"	12' - 6"	2"	ALUMINUM	WHITE	-	WHITE	-	-	PERFORATED ROLL DOWN DOOR, PROVIDE KEY SWITCH, EMERGENCY PUSH BUTTON TO EXIT AND BATTERY INDICATOR AT CENTRAL LOBBY SIDE.	GC	GC
102	ATM ROOM	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	11C		GC	GC
103	WAITING AREA	C	3' - 0"	8' - 0"	1 3/4"	INSULATED METAL	PAINT	HOLLOW METAL	PAINT	-	13		GC	GC
105	OFFICE/ME	DFC-1A	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM/GLASS	-	ALUMINUM	-	-	AL-5	STOREFRONT SYSTEM BY ALLSTEEL, FOR SHOP DRAWINGS AND PRICING, CONTACT: BANKOFAMERICASUPPORT@HNI.GLOBAL	GC	HNI SUB
106	OFFICE/CB	DFC-1A	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM/GLASS	-	ALUMINUM	-	-	AL-5	STOREFRONT SYSTEM BY ALLSTEEL, FOR SHOP DRAWINGS AND PRICING, CONTACT: BANKOFAMERICASUPPORT@HNI.GLOBAL	GC	HNI SUB
107	OFFICE/CB	DFC-1A	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM/GLASS	-	ALUMINUM	-	-	AL-5	STOREFRONT SYSTEM BY ALLSTEEL, FOR SHOP DRAWINGS AND PRICING, CONTACT: BANKOFAMERICASUPPORT@HNI.GLOBAL	GC	HNI SUB
108	OFFICE/CB	DFC-1A	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM/GLASS	-	ALUMINUM	-	-	AL-5	STOREFRONT SYSTEM BY ALLSTEEL, FOR SHOP DRAWINGS AND PRICING, CONTACT: BANKOFAMERICASUPPORT@HNI.GLOBAL	GC	HNI SUB
109	WORK ROOM	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	WHITE	HOLLOW METAL	PAINT	-	12	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM WORK ROOM.	GC	GC
110	CSR	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	11	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM CSR.	GC	GC
111	VESTIBULE	A1	3' - 0"	8' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	04		GC	GC
112	OFFICE/CB	DFC-1A	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM/GLASS	-	ALUMINUM	-	-	AL-5	STOREFRONT SYSTEM BY ALLSTEEL, FOR SHOP DRAWINGS AND PRICING, CONTACT: BANKOFAMERICASUPPORT@HNI.GLOBAL	GC	HNI SUB
113	OFFICE/CB	DFC-1A	3' - 0"	7' - 10 1/2"	1/2"	ALUMINUM/GLASS	-	ALUMINUM	-	-	AL-5	STOREFRONT SYSTEM BY ALLSTEEL, FOR SHOP DRAWINGS AND PRICING, CONTACT: BANKOFAMERICASUPPORT@HNI.GLOBAL	GC	HNI SUB
114	CALLING CUBES	A1	3' - 0"	8' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	11B	PROVIDE DOOR PEEP SCOPE TO BE VIEWED FROM CALLING CUBES.	GC	GC
116	ELEC	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	10A		GC	GC
117	NER	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	10B		GC	GC
118	WAITING AREA	A1	3' - 0"	8' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	04		GC	GC
119	BREAK ROOM	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	11		GC	GC
120	WELLNESS ROOM	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	16	PROVIDE PRIVACY TYPE LOCK. PROVIDE 3/4" UNDERCUT AT DOOR LEAF. REFER TO MECHANICAL DRAWINGS.	GC	GC
121	STG	A1	2' - 10"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	10	PROVIDE STOREROOM TYPE LOCK.	GC	GC
122	WOMEN'S RESTROOM	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	08	PROVIDE PRIVACY TYPE LOCK. PROVIDE 3/4" UNDERCUT AT DOOR LEAF. REFER TO MECHANICAL DRAWINGS.	GC	GC
123	MENS RESTROOM	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	08	PROVIDE PRIVACY TYPE LOCK. PROVIDE 3/4" UNDERCUT AT DOOR LEAF. REFER TO MECHANICAL DRAWINGS.	GC	GC
124	JANITORS CLOSET	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	09	PROVIDE STOREROOM TYPE LOCK. PROVIDE 3/4" UNDERCUT AT DOOR LEAF. REFER TO MECHANICAL DRAWINGS.	GC	GC
125	CALLING CUBES	A1	3' - 0"	7' - 0"	1 3/4"	WOOD	PAINT	HOLLOW METAL	PAINT	-	11		GC	GC
128	ROOF HATCH	D5	4' - 0"	4' - 0"	-	-	PAINT	-	-	-	14		GC	GC

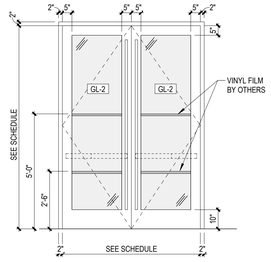
DOOR TYPES



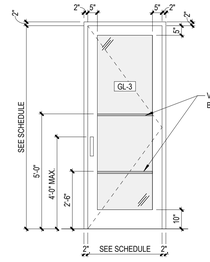
TYPE A1
SOLID CORE
PAINT GRADE WOOD
HOLLOW METAL FRAME



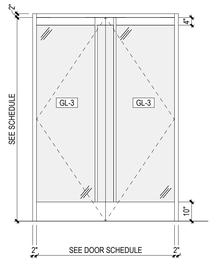
TYPE C
SINGLE PAINT GRADE
HOLLOW METAL DOOR
HOLLOW METAL FRAME



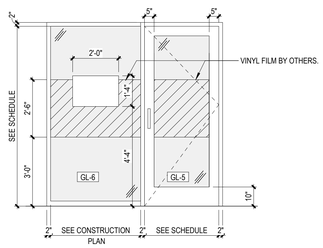
TYPE D
STOREFRONT DOORS
WIDE RAILS AND STILES
GLASS, ALUMINUM FRAME



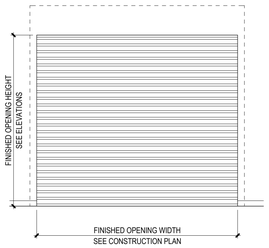
TYPE D1
FRAMED DOOR
WIDE STILE AND RAIL
GLASS, ALUMINUM FRAME



TYPE E
GLASS AIRLOCK



DFC-1A ALLSTEEL
INTERIOR DOOR
WIDE STILE AND RAIL
GLASS, ALUMINUM FRAME (BY VENDOR)



TYPE H
OVERHEAD COILING GRILLE

SECURITY AT EXTERIOR ENTRY DOORS

FUNCTION STATEMENTS

FROM EXTERIOR - LOCKED CONDITION AFTER HOURS :
ATM DOORS: ACCESS VIA VALID CARD WHICH UNLOCKS EXIT DEVICE ON ATM DOORS. CUSTOMERS PULL TRIM FOR ELECTRICAL ENTRANCE.

FROM EXTERIOR - UNLOCKED CONDITION DURING BUSINESS HOURS :
ATM DOORS: PARABIT CONTROLLER HOLDS DOORS UNLOCKED ON A TIME SCHEDULE. CUSTOMERS PULL TRIM FOR ELECTRICAL ENTRANCE.

FROM INTERIOR @ SECURITY GRILLE :
ATM DOORS: FREE EGRESS AT ALL TIMES VIA THE INSIDE DUMMY TOUCH BAR OR BY DEPRESSING THE PUSH TO EXIT BUTTON.

SECURE LOCKDOWN FROM INTERIOR DURING BUSINESS HOURS :
EXTERIOR ATM DOORS: IN THE EVENT OF AN EMERGENCY, BANK ASSOCIATE USES A KEY TO OPERATE THE INTERIOR KEYSWITCH WHICH WILL OVERRIDE THE ACCESS SYSTEM AND SECURE THE DOOR (RED LED). EGRESS WILL STILL BE ALLOWED. AFTER THE EVENT, ASSOCIATE USES A KEY TO OPERATE THE KEYSWITCH AND THE DOOR WILL RESUME OPERATION UNDER PARABIT CONTROLLER SYSTEM (GREEN LED).

EVACUATION LOCKDOWN FROM EXTERIOR DURING BUSINESS HOURS :
ATM DOORS: IN THE EVENT OF AN EMERGENCY, BANK ASSOCIATE TO USE INTERIOR KEYSWITCH WHICH WILL OVERRIDE THE ACCESS SYSTEM AND SECURE THE DOORS (RED LED). EGRESS WILL STILL BE ALLOWED AND ASSOCIATE WILL EXIT THROUGH SINGLE DOOR. AFTER EVENT, ASSOCIATE WILL ENTER THE BANK BY OPERATING THE EXTERIOR KEYSWITCH WHICH UNLOCKS THE DOORS FOR 10 SECONDS. AFTER ENTERING THE BANK, ASSOCIATE TO OPERATE THE INTERIOR KEYSWITCH AND DOORS WILL RESUME OPERATION UNDER PARABIT CONTROLLER SYSTEM (GREEN LED).

PUSH PLATE

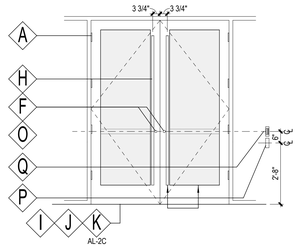


USED WHERE NO WALL AREA IS PROVIDED, INSTALLED ON STOREFRONT MULLION

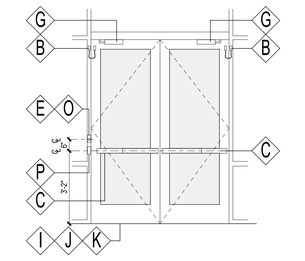
PUSH PLATE - ALT 1



PREFERRED OPTION FOR WALL MOUNTED



DOOR (OUTSIDE)



DOOR (SECURE SIDE)

DOOR HARDWARE

ITEM	DESCRIPTION
A	HINGE
B	TRANSFER: ELECTRICAL POWER TRANSFER
C	PANIC HARDWARE
E	KEY SWITCH: (RECESS MOUNTED ON INTERIOR JAMB FRAME)
F	CYLINDER: (TEMPORARY CYLINDER USED DURING CONSTRUCTION; TO BE REPLACED WITH ITEM "O" AFTER CONSTRUCTION)
G	CLOSER
H	PULL HANDLE
I	SWEEP
J	WEATHERSTRIP
K	THRESHOLD
O	PERMANENT CYLINDER
P	PUSH PLATE
Q	CARD READER (SURFACE MOUNTED ON EXTERIOR JAMB FRAME)
R	ELECTRIC STRIKE

DOOR HARDWARE SCHEDULE

QUANTITY	DESCRIPTION	MODEL NUMBER	FINISH	MFR
HARDWARE GROUP NO. 04 (FOR NON-EGRESS DOORS)				
4	HINGE	BB1279 4.5 X 4.5 NPR	26D	HAG
1	PUSH BUTTON LOCK	5031B WL	626	SIM
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER	4111 EDA	689	LCN
1	KICK PLATE	8400 8" X 2" LDW (PUSH SIDE)	630	IVE
1	WALL STOP	WS407CCV	630	IVE
2	DOOR SCOPE	DS/2000-ALS	AL	MIS
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 08				
3	HINGE	BB1279 4.5 X 4.5	26D	HAG
1	PRIVACY SET	ND40S SPA	626	SCH
1	SURFACE CLOSER	4011	689	LCN
1	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	WALL STOP	WS407CCV	630	IVE
1	SEALS	188S	CL	ZER
HARDWARE GROUP NO. 09				
3	HINGE	BB1279 4.5 X 4.5 NRP	26D	HAG
1	STOREROOM LOCK	ND80HD SPA	626	SCH
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER	4111 EDA	689	LCN
1	OVERHEAD STOP	100S	630	GLY
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 10				
3	HINGE	BB1279 4.5 X 4.5 NRP	26D	HAG
1	STOREROOM LOCK	ND80HD SPA	626	SCH
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	OVERHEAD STOP	100S	630	GLY
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 10A				
3	HINGE	BB1279 4.5 X 4.5 NRP	26D	HAG
1	PUSH BUTTON LOCK	5031B WL	626	SIM
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER	4111 EDA	689	LCN
1	OVERHEAD STOP	100S	630	GLY
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 10B				
3	HINGE	BB1168 5 X 4.5 NRP (180 DEGREE)	26D	HAG
1	ELECTRIFIED STRIKE	1500C (BY SECURITY VENDOR)	630	HES
1	LOCKSET	L9080 17A XL11-422	626	SCH
1	MORTISE CYLINDER	80-101	626	SCH
1	CONSTRUCTION CORE	80-037	626	SCH
1	SURFACE CLOSER	4111 EDA	689	LCN
1	OVERHEAD STOP	100S (180 DEGREE)	630	GLY
3	SILENCER	SR64	GRY	IVE
1	STRIKE GUARD	152 (BY SECURITY VENDOR)	630	HES
1	CARD READER (EQ 101)	(BY SECURITY VENDOR)	-	-
1	WIRING DIAGRAM	(BY SECURITY VENDOR)	-	-
HARDWARE GROUP NO. 11				
3	HINGE	BB1279 4.5 X 4.5	26D	HAG
1	PUSH BUTTON LOCK	5031B WL	626	SIM
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER	4011	689	LCN
1	OVERHEAD STOP (DOOR 111)	100S	630	GLY
1	WALL STOP (DOORS 115 & 119)	WS407CCV	630	IVE
2	DOOR SCOPE	DS/2000-ALS	AL	MIS
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 11B				
4	HINGE	BB1279 4.5 X 4.5	26D	HAG
1	PUSH BUTTON LOCK	5031B WL	626	SIM
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER (PUSH SIDE)	4011 X ST1544	689	LCN
1	DROP PLATE	4020-18	689	LCN
1	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	OVERHEAD STOP	100S	630	GLY
2	DOOR SCOPE	DS/2000-ALS	AL	MIS
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 11C				
	HINGE	BB1168 5 X 4.5 NRP (180 DEGREE)	26D	HAG
	STOREROOM LOCK	ND80HD SPA	626	SCH
	SFIC EV B CORE ONLY	80-037	626	SCH
	ELECTRIC STRIKE	1500C (BY SECURITY VENDOR)	689	LCN
	STRIKE GUARD	152 (BY SECURITY VENDOR)	630	HES
	SURFACE CLOSER	4111 EDA	689	LCN
	DOOR SCOPE	DS/2000-ALS	AL	MIS
	SILENCER	SR64	GRY	IVE
	CARD READER (EQ 101)	(BY SECURITY VENDOR)	-	-
	CUSTOM	WIRING DIAGRAM BY SECURITY VENDOR	-	-
HARDWARE GROUP NO. 12				
3	HINGE	BB1279 4.5 X 4.5	26D	HAG
1	PUSH BUTTON LOCK	5031B WL	626	SIM
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	SURFACE CLOSER	4111 EDA	689	LCN
1	WALL STOP	WS407CCV	630	IVE
2	DOOR SCOPE	DS/2000-ALS	AL	MIS
3	SILENCER	SR64	GRY	IVE
HARDWARE GROUP NO. 13				
4	HINGE	BB1191 4.5 X 4.5 NRP	32D	HAG
1	PANIC HARDWARE	98EO X ALK-RSS	626	VON
1	MORTISE CYLINDER	80-132	626	SCH
1	SURFACE CLOSER	4111 SCUSH	689	LCN
1	SEALS	316AS	AL	PEM
1	RAIN DRIP	346C	AL	PEM
1	DOOR SWEEP	216AV	AL	PEM
1	THRESHOLD	325	AL	NGP
HARDWARE GROUP NO. 14				
	SFIC EV B CORE ONLY	80-037	626	SCH
	PADLOCK	KS21F1200	626	SCH
HARDWARE GROUP NO. 16				
3	HINGE	BB1279 4.5X4.5	26D	HAG
1	PRIVACY SET	L9456HD 17A 09-544 OS-OCC	626	SCH
1	WALL STOP	WS407CCV	630	GLY
3	SILENCER	SR64	GRY	IVE
1	SFIC EV B CORE ONLY	80-037	626	SCH
HARDWARE GROUP NO. AL-1C				
4	HINGE	BY DOOR MANUFACTURER (BALL BEARING HINGES W/ NON-REMOVEABLE PINS)	32D	
1	POWER TRANSFER	EPT-2 (BY SECURITY VENDOR)	689	VON
1	PANIC HARDWARE	EL98NL-OP (BY SECURITY VENDOR)	626	VON
1	RIM CYL W/CONST CORE	80-159	626	SCH
1	SFIC EV B CORE ONLY	80-037	626	SCH
1	PULL BAR	RM2110-10 1-1/4" (2 STANDOFFS PER PULL)	630	ROC
1	SURFACE CLOSER	4111 SCUSH	689	LCN
1	MOUNTING PLATE	4110-18	689	LCN
1	CUSH SHOE SUPPORT	4110-30	689	LCN
1	BLADE STOP SPACER	4110-61	689	LCN
1	POWER SUPPLY	PS914-2RS (BY SECURITY VENDOR)	GRY	VON
1	CARD READER (EQ 101)	BY SECURITY VENDOR	-	-
1	CUSTOM	WIRING DIAGRAM BY HARDWARE SUPPLIER	-	-
HARDWARE GROUP NO. AL-2C				
8	HINGE	BY DOOR MANUFACTURER (BALL BEARING HINGES W/ NON-REMOVEABLE PINS)	32D	
2	POWER TRANSFER	EPT-2 (BY SECURITY VENDOR)	689	HAG
2	OVERHEAD STOP	TBD (BY SECURITY VENDOR)		
1	PANIC HARDWARE	QEL9847NL-OP (BY SECURITY VENDOR)	626	VON
1	PANIC HARDWARE	QEL9847 (BY SECURITY VENDOR)	626	VON
1	RIM CYL W/ CONSTRUCTION CORE	80-159	626	SCH
1	SFIC EV B CORE ONLY	80-037	626	SCH
2	DOOR PULL	RM2110-78" 1-1/4" (2 STANDOFFS PER PULL)	630	ROC
1	POWER OPERATOR	ED100-LE (BY SECURITY VENDOR)	689	DRM
2	PUSH PLATES	INTERIOR: 10PBJM1 10BOXJAMBSET (BY SECURITY VENDOR) EXTERIOR: 10PBS1 10BOX7585QS (BY SECURITY VENDOR)	-	-
2	AUTOMATIC CAUTION DOOR SIGN	(THE SIGN SHALL BE A 6" OF 6 " IN DIAMETER WITH BLACK LETTERING ON A YELLOW BACKGROUND. TIONALLY, WHEN A KNOWING ACT SWITCH IS USED TO INITIATE THE OPERATION OF THE DOOR OPERATOR, THE DOORS SHALL BE PROVIDED WITH SIGNS ON EACH SIDE OF THE DOOR WHERE THE SWITCH IS LOCATED, WITH THE MESSAGE "ACTIVATE SWITCH TO OPERATE". THE LETTERING SHALL BE WHITE AND THE BACKGROUND SHALL BE BLUE.)	-	-
1	THRESHOLD	325	AL	NGP
2	KEYSWITCH	653-14-NS-L2 (BY SECURITY VENDOR)	630	SCE
1	SFIC CYLINDER/MORTISE HOUSING LOCK CYLINDER	317-600 (BY SECURITY VENDOR)	26D	KSP
1	POWER SUPPLY	PS914-2RS (BY SECURITY VENDOR)	GRY	VON
1	WEATHERSTRIPPING	BY DOOR MANUFACTURER	-	-
1	CARD READER (EQ 100)	(BY SECURITY VENDOR)	-	-
1	CUSTOM	WIRING DIAGRAM BY SECURITY VENDOR	-	-

QUANTITY	DESCRIPTION	MODEL NUMBER	FINISH	MFR
HARDWARE GROUP NO. AL-3C				
2	CENTER HUNG TOP PIVOT W/ COVER	CRL860BS	630	CRL
2	CENTER HUNG END LOADED MOUNT PIVOT FOR BOTTOM DOOR RAIL	CRL8010DP	-	CRL
4	DOOR PULL/DOOR PUSH	RM2110-78" 1-1/4" (2 STANDOFFS PER PULL)	630	ROC
1	POWER OPERATOR	ED100-LE (BY SECURITY VENDOR)	689	DRM
2	PUSH PLATES	10PBJM1 10BOXJAMBSET (BY SECURITY VENDOR)	-	-
2	AUTOMATIC CAUTION DOOR SIGN	(THE SIGN SHALL BE A OF 6 " IN DIAMETER WITH BLACK LETTERING ON A YELLOW BACKGROUND. TIONALLY, WHEN A KNOWING ACT SWITCH IS USED TO INITIATE THE OPERATION OF THE DOOR OPERATOR, THE DOORS SHALL BE PROVIDED WITH SIGNS ON EACH SIDE OF THE DOOR WHERE THE SWITCH IS LOCATED, WITH THE MESSAGE "ACTIVATE SWITCH TO OPERATE". THE LETTERING SHALL BE WHITE AND THE BACKGROUND SHALL BE BLUE.)	-	-
1	CUSTOM	WIRING DIAGRAM BY SECURITY VENDOR	-	-
HARDWARE GROUP NO. AL-5				
3	HINGE	IV5BB1-652 4X4	26D	IVE
1	SPRING HINGE	1502 4X4	US26D	MCK
1	CONCEALED CLOSER	LCN 3131 (WITH HOLD OPEN)	689	LCN
1	FLOOR STOP	DOME	SILVER	SIL
1	LADDER PULL	20" H	SILVER	SIL

ALL HARDWARE SETS:
*CONTRACTOR SHALL PROVIDE FINAL CORES FOR ALL HARDWARE INCLUDING HARDWARE INSTALLED BY BANK VENDORS.

GENERAL NOTES

1. EVERY REQUIRED EXIT DOORWAY, WHICH IS LOCATED WITHIN AN ACCESSIBLE PATH OF TRAVEL, SHALL BE OF A SIZE AS TO PERMIT THE INSTALLATION OF A DOOR NOT LESS THAN 3' IN WIDTH AND NOT LESS THAN 6'-8" IN HEIGHT.
2. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES.
3. MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE.
4. MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 INCHES OF THE LATCH SIDE AN INTERIOR DOORWAY, OR WITHIN 24 INCHES OF THE LATCH SIDE OF AN EXTERIOR DOORWAY, PROJECTS MORE THAN 8 INCHES BEYOND THE FACE OF THE DOOR. MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE.
5. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE ½ INCH HIGH MAXIMUM.
6. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY AS FOLLOWS. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
7. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:
   A. INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAXIMUM.
   B. SLIDING OR FOLDING DOORS: 5 POUNDS MAXIMUM.
   C. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.
   D. EXTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.
8. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED.
9. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE A MINIMUM OF 48" PLUS THE WIDTH OF THE DOORS OR GATES SWINGING INTO THE SPACE.
10. A KEY-OPERATED LOCKING DEVICE IS PERMITTED FROM THE EGRESS SIDE PROVIDED THAT THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED; A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED". THE SIGN SHALL BE IN LETTERS 1" HIGH ON A CONTRASTING BACKGROUND.
11. PAINT DOORS AND DOOR FRAMES TO MATCH ADJACENT PARTITION UNLESS OTHERWISE NOTED.
12. ALL DOOR HARDWARE SHALL BE OF A LEVER TYPE AND SHALL MEET ACCESSIBLE DESIGN REQUIREMENTS.
13. COORDINATE ALL HARDWARE KEYING WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO PLACING HARDWARE ORDER.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

8	ISSUED FOR PERMIT	03.04.26
7	ISSUED FOR CD_90	01.30.26
6	DD_F	01.13.26
3	DD_90	11.13.25
2	DD_60/COE	10.24.25

DELTA ISSUE DESCRIPTION DATE

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

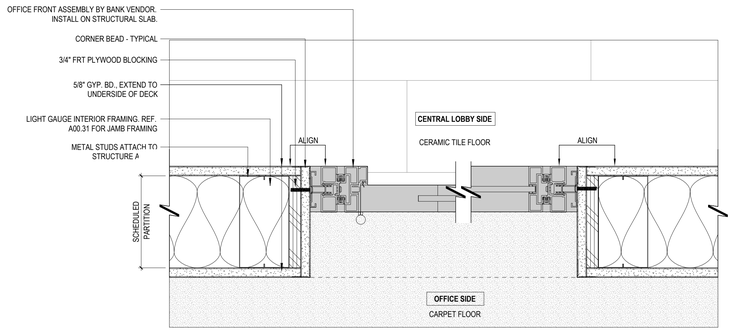
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Owner Approval
47BACX.1247.069 — 3/8" = 1'-0"
Job No. — Scale

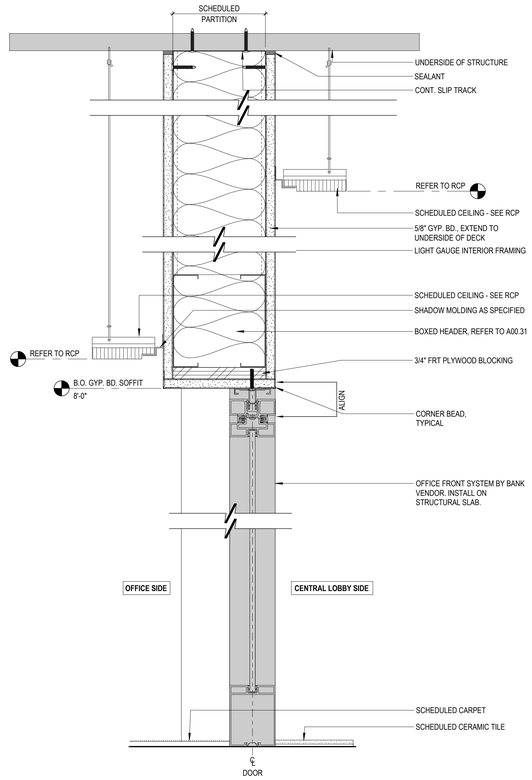
DOOR TYPES, DOOR AND HARDWARE SCHEDULES

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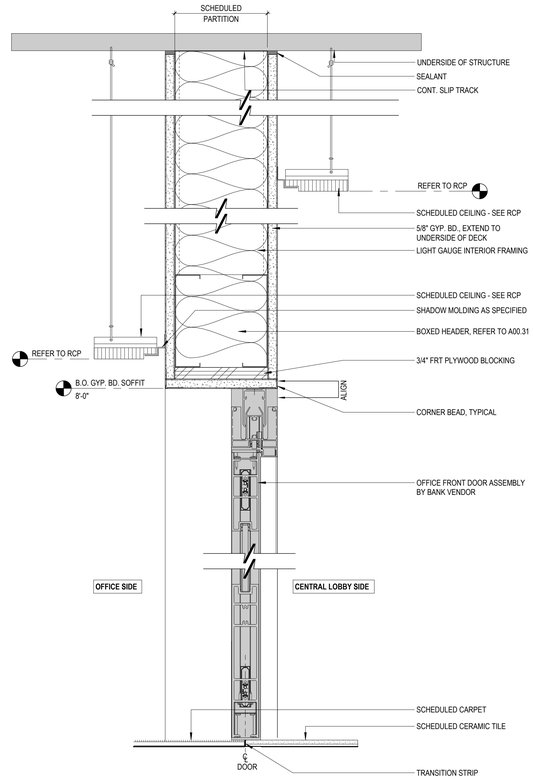
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5 DFC-1A JAMB DETAIL
3" = 1'-0"



1 DFC-1A SECTION @ SIDELITE
3" = 1'-0"



2 DFC-1A SECTION @ DOOR
3" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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THOMAS E POWERS
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ARCHITECT

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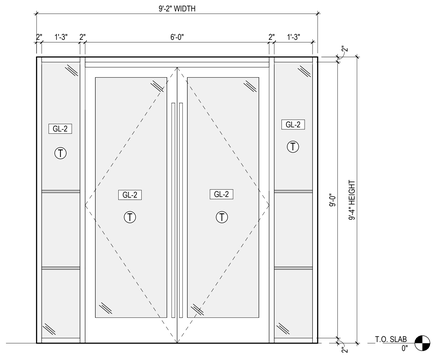
Owner Approval

47BACX.1247.069 — Job No.
3" = 1'-0" — Scale

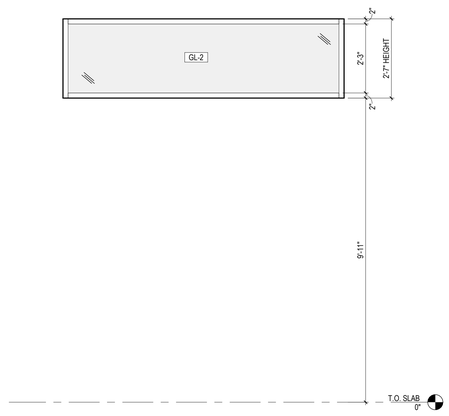
ALLSTEEL STOREFRONT DETAILS

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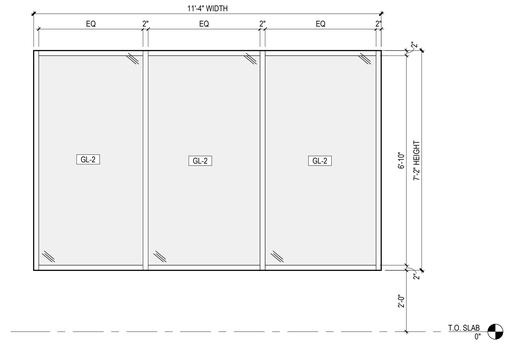
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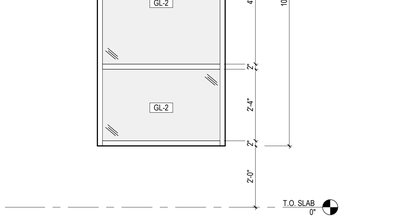
W1 WINDOW TYPE W1
1/2" = 1'-0"



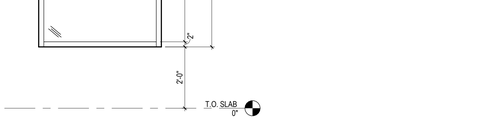
W2 WINDOW TYPE W2
1/2" = 1'-0"



W3 WINDOW TYPE W3
1/2" = 1'-0"

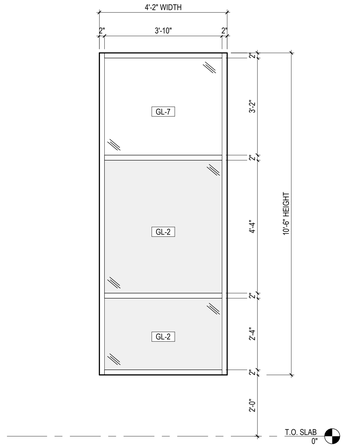


1 WINDOW TYPE W4
1/2" = 1'-0"

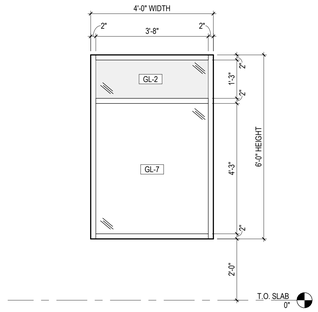


W5 WINDOW TYPE W5
1/2" = 1'-0"

W6 WINDOW TYPE W6
1/2" = 1'-0"



W7 WINDOW TYPE W7
1/2" = 1'-0"



W9 WINDOW TYPE W9
1/2" = 1'-0"

GLAZING SCHEDULE

TYPE	DESCRIPTION
GL-1	1" CLEA HEAT-STRENGTHENED GLAZING (PROVIDE TEMPERED WHERE NOTED (T))
GL-2	1" CLEAR INSULATED GLAZING (PROVIDE TEMPERED WHERE NOTED (T))
GL-3	1/2" TEMPERED MONOLITHIC GLASS
GL-4	5/8" TEMPERED MONOLITHIC GLASS
GL-5	3/8" LAMINATED GLASS (BY OWNER VENDOR)
GL-6	1/2" LAMINATED GLASS (BY OWNER VENDOR)
GL-7	1" BACKPAINTED INSULATED GLAZING (PROVIDE TEMPERED WHERE NOTED (T))

GLAZING NOTES

1. GLAZING TYPES PROVIDED ARE FOR DESIGN INTENT ONLY. CONTRACTOR SHALL VERIFY EACH APPLICATION, SUPPLY STRUCTURALLY APPROPRIATE MATERIAL APPROVED BY THE GLAZING MANUFACTURER OF A MINIMUM THICKNESS GREATER THAN OR EQUAL TO THE THICKNESS INDICATED, AND SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES.
2. GLASS HEIGHTS INDICATED ARE UNSUPPORTED SPANS FROM BOTTOM TO TOP OF GLASS UNIT.
3. HEAT-STRENGTHENED GLASS CANNOT BE DRILLED, SANDED, NOR ETCHED AFTER FORMING.
4. FOR ALL GLASS APPLICATIONS NOT LISTED, VERIFY SPECIFICATION WITH GLAZING MANUFACTURER.
5. NO WIRED GLASS ALLOWED.
6. ALL DIMENSIONS SHOWN ARE SUBJECT TO FIELD VERIFICATION.
7. REFER TO CONSTRUCTION PLAN FOR DOOR SWINGS.
8. FOR EXTERIOR APPLICATIONS, LOCATIONS OF SAFETY GLAZING INDICATED BY "T" ARE PER IBC 2406.
9. REFER TO DOOR LEGEND FOR DETAILED INFORMATION ON DOOR AND HARDWARE REQUIREMENTS.
10. ACCOMODATE FOR 1/2" SEALANT AROUND GLAZING OPENING, SEE EXTERIOR DETAILS.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8		ISSUED FOR PERMIT	03.04.26
7		ISSUED FOR CD_90	01.30.26
6		DD_F	01.13.26
3		DD_90	11.13.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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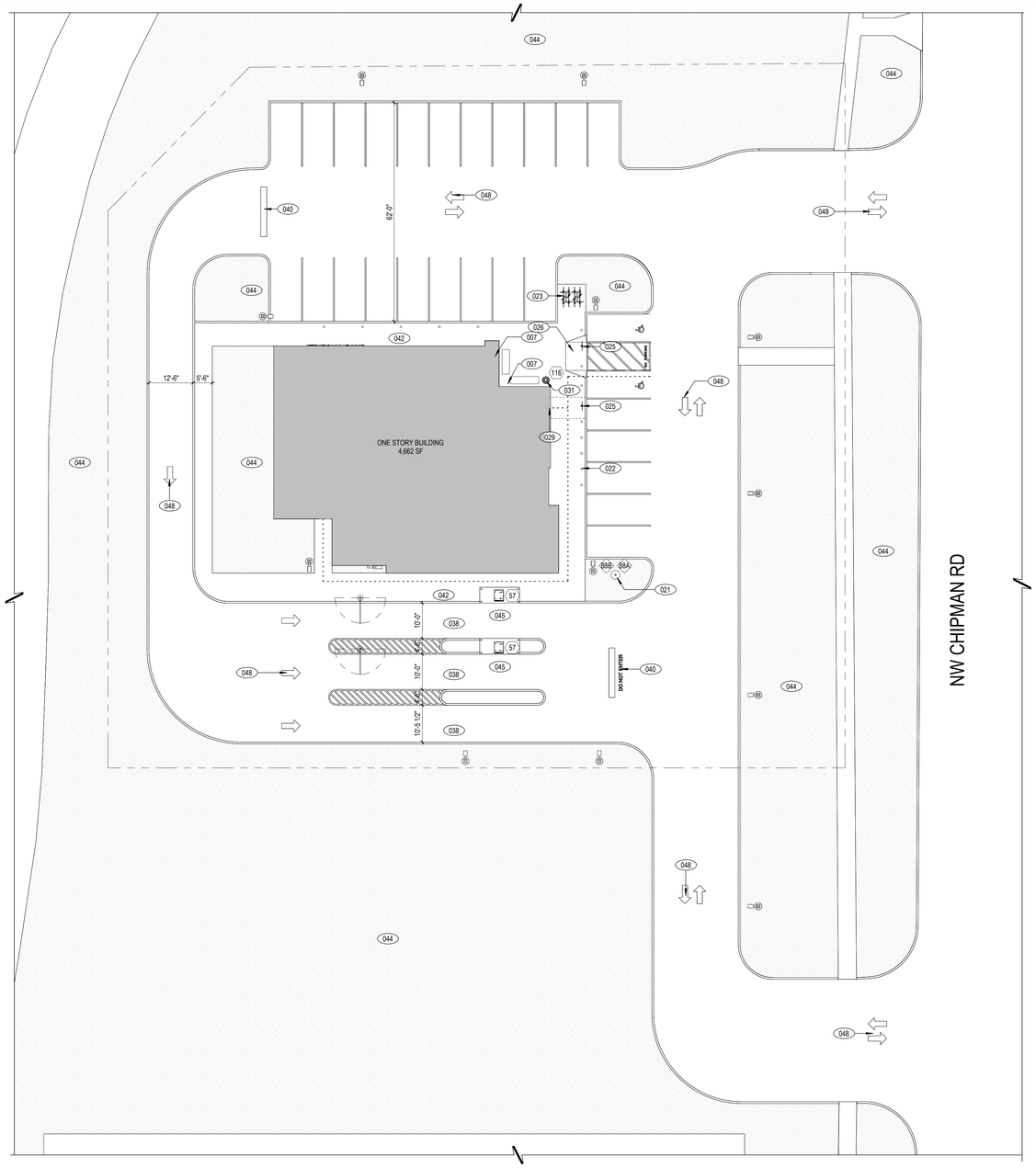
Owner Approval

47BACX.1247.069 — Job No.
1/2" = 1'-0" — Scale

GLAZING TYPES AND SCHEDULE

A00.52

3/4/2026 1:19:55 AM 4929.001



1 ARCHITECTURAL SITE PLAN
1/16" = 1'-0"

TRUE

KEYNOTES

NO.	DESCRIPTION
007	EXTERIOR BENCH.
021	FLAG POLE, GROUND MOUNTED ON CONCRETE FOOTING WITH LIGHT ON TOP. REFER TO CIVIL DRAWINGS.
022	36" HIGH X 6" SCHEDULE 80 BOLLARDS AT PARKING SPACES AND BETWEEN PARKING SPACES, REFER TO CIVIL DRAWINGS.
023	BIKE RACKS (24" TO 36" BETWEEN EACH RACK) REFER TO CIVIL DRAWINGS.
025	POLE MOUNTED ACCESSIBLE PARKING TYPE A SIGNAGE. REFER TO CIVIL DRAWINGS FOR DETAILS AND DIMENSIONS.
026	ACCESSIBLE CURB RAMP. REFER TO CIVIL DRAWINGS FOR FURTHER INFORMATION.
029	AVOID CONTROL JOINTS WITHIN THE ENTRY DOOR OPENING.
031	EXTERIOR TRASH RECEPTACLE. REFER TO CIVIL DRAWINGS FOR FURTHER INFORMATION.
038	REFER TO CIVIL DRAWINGS FOR THE DRIVE THROUGH PAVEMENT TYPE.
040	PAVEMENT MARKING. REFER TO CIVIL DRAWINGS FOR FURTHER INFORMATION.
042	CONCRETE WALKWAY. REFER TO CIVIL DRAWINGS FOR FURTHER INFORMATION.
044	LANDSCAPE AREA. REFER TO CIVIL DRAWINGS FOR FURTHER INFORMATION.
045	DAY 1 ATM.
048	DIRECTIONAL SIGNAGE. REFER TO CIVIL DRAWINGS FOR FURTHER INFORMATION.

SITE PLAN LEGEND

1. SITE INFORMATION ON ARCHITECTURAL SITE PLAN IS COMPLIMENTARY TO ALL OTHER DISCIPLINES INCLUDING CIVIL PLANS. DUPLICATION OF INFORMATION IS NOT INTENDED.
2. REFER TO CIVIL DRAWINGS FOR ADDITIONAL DIMENSIONS AND INFORMATION, LAYOUT, STRIPING, PAVING, AND ALL SITE CURB RADIUS DIMENSIONS AND DIMENSIONS NOT SHOWN ON ARCHITECTURAL SITE PLAN. REFER TO LANDSCAPE PLANS FOR JOINT DETAILS.
3. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF ALL SITE LIGHTING, AND ELECTRICAL REQUIREMENTS.
4. PROVIDE CONTROL JOINTS SPACED APPROXIMATELY 5'-0" O.C., TYP.; AND APPROXIMATELY 10'-0" O.C. EACH WAY FOR LARGER SLABS U/ON.
5. PARKING CURBS AND RAMPS SHALL BE PAINTED WITH CONTRAST COLOR (YELLOW OR RED) TO HIGHLIGHT ELEVATION CHANGES FOR PEDESTRIANS.

SITE PLAN LEGEND

PROPERTY LINE
SETBACK
EASEMENT
ACCESSIBLE PATH OF TRAVEL
FIRE HYDRANT
POLE MOUNTED LIGHT FIXTURE
POLE MOUNTED SIGN
NEW BICYCLE RACK
NEW BOLLARD
PARKING STRIPING, REFER TO CIVIL DRAWINGS FOR FURTHER INFORMATION
ACCESSIBLE PARKING STALL, REFER TO CIVIL DRAWINGS FOR FURTHER INFORMATION

LANDSCAPING
EXISTING TREE
NEW TREE
DIRECTIONAL ARROW
MANHOLE
TRASH RECEPTACLE

EROSION AND SEDIMENTATION CONTROL

SPECIFICATIONS:

CONTRACTOR TO INSTALL EROSION CONTROLS AS SHOWN ON THIS PLAN AND/OR OTHER PROJECT SPECIFICATIONS, ALL IN COMPLIANCE WITH LOCAL GOVERNING AGENCIES, TCEQ, AND EPA. CONTRACTOR SHALL FILE AND GIVE NOTICE TO THE APPROPRIATE PARTIES AT A MINIMUM 48 HOURS PRIOR TO CONSTRUCTION. IT IS THE OBLIGATION OF THE OPERATOR/CONTRACTOR, SUBCONTRACTOR, AND PERMITTEE TO UNDERSTAND AND COMPLY WITH THE TPDES GENERAL PERMIT TXR15000, ALONG WITH ANY REQUIRED FEDERAL AND/OR LOCAL GOVERNING AGENCIES.

A. THE OPERATOR OR OPERATORS INVOLVED WITH CONSTRUCTION ACTIVITIES INCLUDING CLEARING, GRADING, AND EXCAVATING THAT RESULT IN LAND DISTURBANCE WILL NEED TO IMPLEMENT POLLUTANT CONTROL MEASURES IDENTIFIED ON SHEET SWP3 AND MUST COMPLY WITH THE REQUIREMENTS OF TPDESGENERAL PERMIT NO. TXR150000 AND ANY LOCAL GOVERNING AGENCY HAVING JURISDICTION CONCERNING EROSION AND SEDIMENTATION CONTROL, ALONG WITH ANY ADDITIONAL DOCUMENTS OR AMENDMENTS THERETO.
B. POST A SIGNED COPY OF THE CONSTRUCTION SITE NOTICE AND/OR NOI AT THE CONSTRUCTION SITE IN A LOCATION WHERE IT IS READILY AVAILABLE FOR VIEWING BY THE GENERAL PUBLIC, LOCAL, STATE, AND FEDERAL AUTHORITIES, PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, AND MAINTAIN THE NOTICE IN THAT LOCATION UNTIL COMPLETION OF THE CONSTRUCTION ACTIVITY.
C. PROVIDE A COPY OF THE SIGNED AND CERTIFIED CONSTRUCTION SITE NOTICE AND/OR NOI TO THE OPERATOR OF ANY MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) RECEIVING THE DISCHARGE AT LEAST TWO DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

EXECUTION:

1. CONSTRUCTION ROCK PADS FOR CONSTRUCTION ENTRANCE/EXIT. THIS WILL BE THE FIRST CONSTRUCTION WORK ON THE PROJECT.
2. INSTALL SEDIMENT BARRIERS DOWN SLOPE FROM CONSTRUCTION ACTIVITIES THAT DISTURB SITE SOIL;
3. CONSTRUCT ROCK SURFACE FOR TEMPORARY PARKING;
4. A ROCK FILTER DAM WILL BE PLACED AT THE OUTFALL OF ANY PROPOSED DETENTION/SOTRM WATER QUALITY POND AS TEMPORARY OUTFALL PROTECTION AND PROVIDE FILTRATION OF LARGER PARTICLES.
5. CLEAR AND GRUB THE IMPROVEMENT AREAS. SEDIMENT BARRIERS WILL ALREADY BE IN PLACE DOWN SLOPE;
6. EXCAVATION AND EMBANKMENT TO FORM DRAINAGE CHANNELS;
7. EXCAVATION AND EMBANKMENT TO FORM THE BUILDING PAD AND PAVEMENT AREAS;
8. UNDERGROUND UTILITIES - SEDIMENT BARRIERS WILL BE UTILIZED AS REQUIRED TO BOUND THE DOWN SLOPE SIDE OF UTILITY CONSTRUCTION AND SOIL STOCKPILES;
9. FINAL GRADING - SEDIMENT BARRIERS WILL BE MAINTAINED DOWN SLOPE FROM DISTURBED SOIL DURING THIS OPERATION;
10. COMPLETION OF ON-SITE STABILIZATION. (CONTRACTOR MUST OBTAIN A MINIMUM OF 70% VEGETATION OR THE MINIMUM REQUIREMENT BY LOCAL GOVERNING AGENCY.)

THE ACTUAL SCHEDULE FOR IMPLEMENTING POLLUTANT CONTROL MEASURES WILL BE DETERMINED BY PROJECT CONSTRUCTION PROGRESS. DOWN SLOPE PROTECTIVE MEASURES MUST ALWAYS BE IN BEFORE SOIL IS DISTURBED.

PURPOSE:

THE PURPOSE OF THIS PROCEDURE IS TO CONTROL EROSION IN ORDER TO REDUCE NEGATIVE IMPACTS ON WATER AND AIR QUALITY. PROACTIVE MEASURES WILL ADDRESS ONGOING MAINTENANCE OF A FACILITY'S SITE AS WELL AS PROVIDE FOR FUTURE CONSTRUCTION AND REPAIRS TO THE SITE. POLICY PROVISIONS WILL INCLUDE RESTORING ERODED SOIL AREAS AND ELIMINATING CONDITIONS THAT RESULT IN EROSION OR

1. SCOPE
THE POLICY APPLIES TO ALL FUTURE CONSTRUCTION ACTIVITIES AND INFRASTRUCTURE REPAIRS AT THE FACILITY SITE IN AN EFFORT TO CONTROL EROSION AND SEDIMENTATION.

2. PERFORMANCE
THE PLAN MUST MEET THE FOLLOWING OBJECTIVES:
A. PREVENTING LOSS OF SOIL DURING CONSTRUCTION BY STORMWATER RUNOFF AND/OR WIND EROSION, INCLUDING PROTECTING TOPSOIL BY STOCKPILING FOR REUSE.
B. PREVENT SEDIMENTATION OF STORM SEWER OR RECEIVING STREAMS.
C. PREVENT POLLUTING THE AIR WITH DUST AND PARTICULAR MATTER.
D. BUILDING OPERATIONS AND MAINTENANCE ACTIVITY WILL BE LOGGED TO ENSURE THAT PLAN HAS BEEN FOLLOWED.

3. GOALS
ESTABLISH AN EROSION AND SEDIMENT CONTROL POLICY THAT CONFORMS TO SET PRACTICES SET BY THE US EPA OR OTHER MORE STRINGENT MUNICIPAL STANDARDS. PROVIDE A METHOD FOR TRACKING AND DOCUMENTING THAT THE POLICIES HAVE BEEN FOLLOWED.

4. PROCEDURE AND STRATEGIES
PROCEDURE AND STRATEGIES INCLUDE A POLICY THAT MANDATES IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL TECHNIQUES AND REQUIRES THE TECHNIQUES' INCLUSION INTO CONTRACT DOCUMENTS FOR ANY CONSTRUCTION PROJECTS CARRIED OUT ON SITE. CONSIDER EMPLOYING STRATEGIES THAT ADDRESS TEMPORARY AND PERMANENT LANDSCAPING ISSUES AND CHANGES, EROSION CAUSED BY PEDESTRIAN TRAFFIC, AND STORMWATER OVERFLOW. ONGOING IDENTIFICATION AND ELIMINATION OF THESE CAUSES OF EROSION ON SITES ARE IMPORTANT COMPONENTS OF ADDRESSING EROSION AND SEDIMENTATION.

5. RESPONSIBLE PARTY
A FACILITY MANAGER WILL BE RESPONSIBLE FOR THE ONGOING IMPLEMENTATION AND WILL SIGN OFF THE FACILITY SEDIMENTATION AND EROSION POLICY.

6. TIME PERIOD
THE DURATION OF A FACILITY'S OPERATIONS UNDER CURRENT OWNER AND OPERATOR.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI · THOMAS E TOWERS · NUMBER A-2004016314 · ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

8	ISSUED FOR PERMIT	03.04.26
7	ISSUED FOR CD_90	01.30.26
6	DD_F	01.13.26
3	DD_90	11.13.25
2	DD_60/COE	10.24.25
1	SD_F	10.17.25

DELTA ISSUE DESCRIPTION DATE

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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Owner Approval
47BACX.1247.069 — As indicated
Job No. — Scale

ARCHITECTURAL SITE PLAN

A00.60

BRANDING SITE SIGNAGE

Message
- Needs to be brief and legible
- Use only approved options
- Do not use secondary copy or text that is not on the approved list

Approved Lines of Copy
Only the following lines of copy are to be used on directional signs:

Bank Customer Parking
Customer Parking
Drive-up ATM — Used when only drive-up service
Drive-up Teller
Drive-up Banking
Walk-up ATM — Used with multiple services
Bank Entrance
Entrance
Right Turn Only
Exit
Do Not Enter

approval, permitting, or fabrication of any signage

Directional Sign Standards
(unless restricted by landlord or municipality)
See design control drawings full layout standards

P1ng Specific Sign Standards
- 1 3/4" copy height
- 3 message max
- Signs with 1 line may use:
  1. larger standard copy height **or**
  2. an additional salutation line

See page 9 for approved layouts and conditions

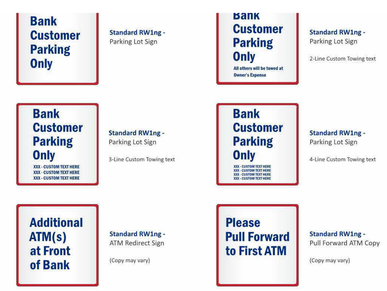
P2ng Specific Sign Standards
- 1 1/2" copy height
- 2 message max



Utilize 2 1/2" copy for single message lines
No secondary copy on directionals
Use ONLY the 2 1/2" copy for single message lines of text and keep left justified.
Do not use unapproved copy or traffic symbols
Ensure sign's copy size and vinyl match.

Sign manufacturer is responsible and is to insure that all signs meet local, state and national codes including ADA guidelines (specifically for clearance, install heights, legibility).

4 December 16, 2019 BANK OF AMERICA



Sign manufacturer is responsible and is to insure that all signs meet local, state and national codes including ADA guidelines (specifically for clearance, install heights, legibility).

7 December 16, 2019 BANK OF AMERICA

Bank of America Wayfinding System
Variable Height Regulatory Signs

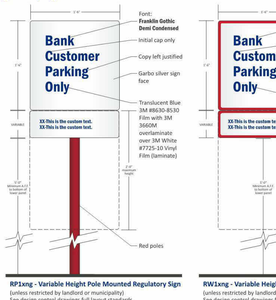
Purpose:
- To help pedestrians and vehicles (away from main traffic flow) navigate safely

Message
- Needs to be brief and legible
- Secondary copy may be used

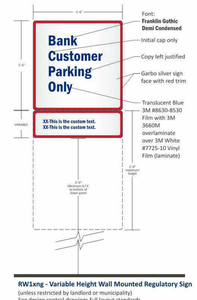
Variable Height Panel:
- when local code dictates more secondary copy
- if local code changes, separate panel is easier to replace

Main Panel Standards:
- No standard copy height (due to variety in possible layouts)
- Sign is never to have "Bank of America" logo on the actual sign

RPxng Specific Panel Standards:
- placed directly below standard panel
- 3/4" copy height
- copy to be 1 3/4" from top and bottom of panel



RP1xng - Variable Height Pole Mounted Regulatory Sign
(unless restricted by landlord or municipality)
See design control drawings full layout standards

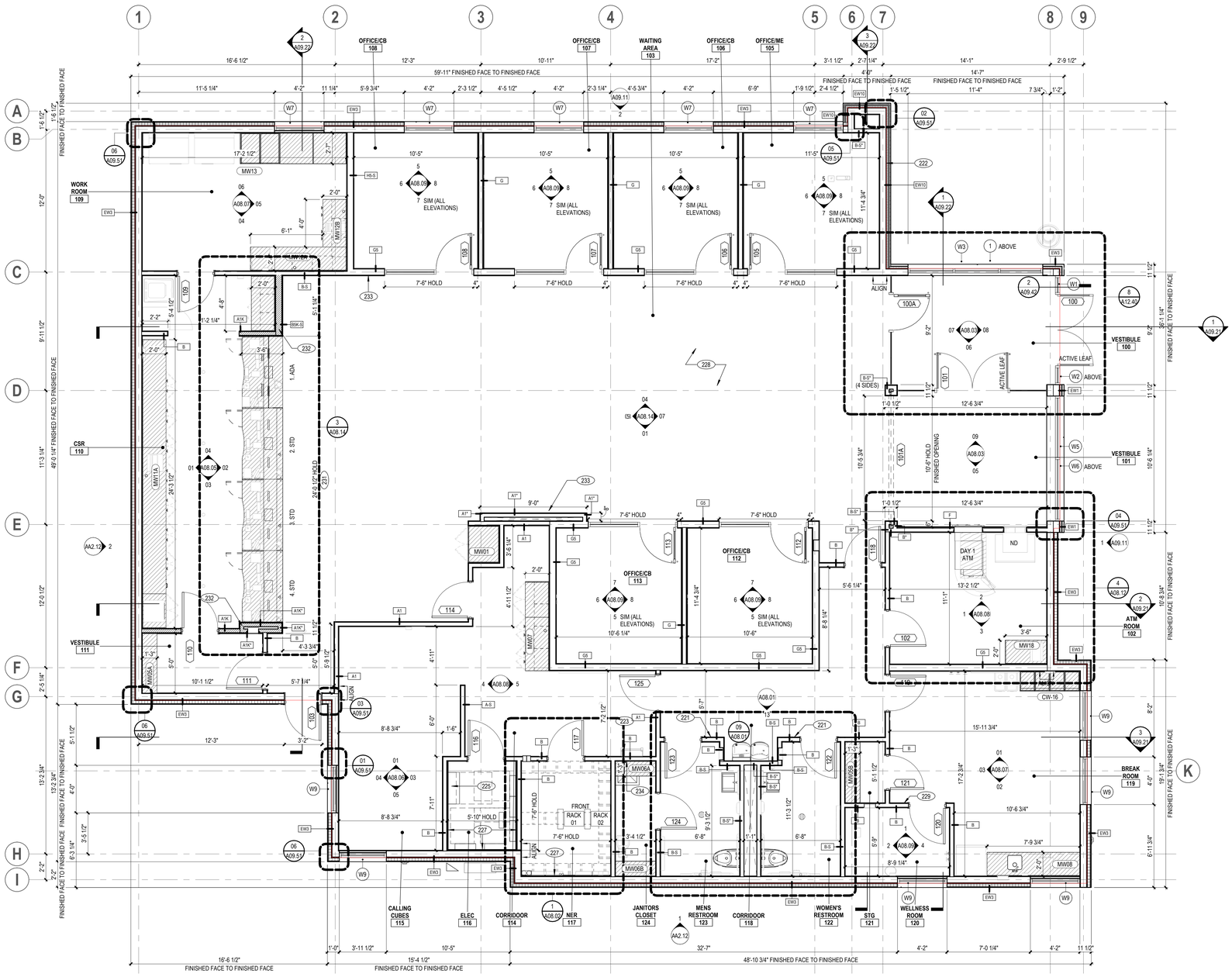


RW1xng - Variable Height Wall Mounted Regulatory Sign
(unless restricted by landlord or municipality)
See design control drawings full layout standards

Sign manufacturer is responsible and is to insure that all signs meet local, state and national codes including ADA guidelines (specifically for clearance, install heights, legibility).

8 December 16, 2019 BANK OF AMERICA

3/4/2026 11:59:13 AM RDS 28.01



1 CONSTRUCTION PLAN
1/4" = 1'-0"

LEGEND

- EW3 — EXTERIOR WALL TAG
- W9 — GLAZING TAG; SLAB EDGE (RED): REFER TO STRUCTURAL; EXTERIOR WALL: REFER TO TYPICAL ASSEMBLY DETAILS; EXTERIOR GLAZING: REFER TO GLAZING SCHEDULE AND ELEVATIONS
- 107 — DOOR CLEARANCE (DASHED); DOOR; DOOR TAG: REFER TO DOOR SCHEDULE
- A1 — PARTITION TAG; PARTITION: REFER TO PARTITION SCHEDULE AND ASSEMBLY DETAILS
- PARTITION WITH INTEGRAL KEVLAR: REFER TO PARTITION SCHEDULE AND ASSEMBLY DETAILS
- MW11 — MILLWORK TAG; MILLWORK: PROVIDE BLOCKING AS REQUIRED. REFER TO CONSTRUCTION PLAN GENERAL NOTES AND MILLWORK GENERAL NOTES.

SHEET NOTES

1. REFER TO A00.00, A00.01, A00.40, A00.50 AND A00.51 FOR ADDITIONAL NOTES, ABBREVIATIONS AND SHCEDULES.
2. REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR SLAB ASSEMBLY AND REINFORCEMENT CRITERIA AND DETAILS.
3. REFER TO CIVIL AND MEP DRAWINGS AND SPECIFICATIONS FOR UTILITY POINTS OF CONNECTION AND COORDINATE WHERE CONSTRUCTION AS INDICATED ON THIS PLAN IS AFFECTED.
4. PROVIDE TYPE 'X' GYPSUM BOARD AT FIRE RATED PARTITIONS.
5. PROVIDE INSULATION FOR FULL DEPTH OF STUD OF TYPE FOR ALL PARTITIONS UON: REFER TO PARTITION ASSEMBLY DETAILS. AT RATED PARTITIONS, PROVIDE NON-COMBUSTIBLE, MINERAL WOOL, OR OTHER EQUIVALENT INSULATION APPROVED IN PROJECT JURISDICTION.
6. REFER TO A00.21 FOR EXTERIOR ASSEMBLY DETAILS. REFER TO STRUCTURAL FOR SLAB, ROOF, AND CFMF AND EXTERIOR FRAMING CRITERIA AND DETAILS.
7. REFER TO A00.30 FOR LIGHT GAUGE FRAMING BASIS OF DESIGN DETAILS.
8. REFER TO A00.31 FOR INTERIOR PARTITION SCHEDULE AND ASSEMBLIES, INCLUDING EXTENTS OF FRAMING AND FINISHES.
9. FIRE SAFE PENETRATIONS AT RATED PARTITIONS PER APPLICABLE UL ASSEMBLY.
10. PROVIDE F.R.T. BLOCKING AS REQUIRED AT LOCATIONS INCLUDING BUT NOT LIMITED TO: GRAB BARS, SHELVING, OVERHEAD CABINETS, SIGNAGE, TOILET ROOM ACCESSORIES, WALL MOUNTED EQUIPMENT.
11. PROVIDE CONTINUOUS METAL CORNER BEAD AT EXPOSED GYPSUM BOARD CORNERS.
12. DIMENSIONS REPORTED FROM EXTERIOR GLAZING/STOREFRONTS ARE TAKEN FROM THE INTERIOR FACE OF THE VERTICAL MULLION.
13. G.C. SHALL COORDINATE WORK WITH HVAC, MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL DRAWINGS AND REPORT TO THE ARCHITECT AND OWNER IN WRITING IF ANY DISCREPANCIES ARE FOUND NECESSITATING CORRECTION OR ADJUSTMENT PRIOR TO THE START OF THE WORK. NO ALLOWANCE WILL BE MADE FOR INCREASED COST DUE TO THE CONTRACTOR'S FAILURE TO COORDINATE.
14. MARKING AND IDENTIFICATION OF PARTITIONS: WHERE THERE IS AN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACE, FIRE WALL, FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION, OR ANY OTHER WALL OR PARTITION REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS, PERMANENTLY IDENTIFY THE ITEM WITH SIGNS OR STENCILING IN THE CONCEALED SPACE. LOCATE IDENTIFICATION WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION. PROVIDE LETTERING NOT LESS THAN 3 INCHES IN HEIGHT WITH A MINIMUM 3/8 INCH STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER WORDING BASED ON LOCAL JURISDICTIONAL REQUIREMENTS. REFER TO PARTITION SCHEDULE, PLAN, AND LEGEND TO IDENTIFY APPLICABLE PARTITIONS.
15. REFER TO REFLECTED CEILING PLAN FOR SOFFIT AND CEILING HEIGHTS.
16. DIMENSIONS LOCATING DOORS ARE TO THE INSIDE EDGE OF JAMB UON. LOCATE DOOR OPENINGS 4" FROM FINISHED FACE OF ADJACENT PARTITION WHERE DIMENSIONS ARE NOT PROVIDED, UON.
17. VERIFY ALL EQUIPMENT WITH VENDOR.
18. PROVIDE CEMENTITIOUS BACKER BOARD IN LIEU OF GYPSUM BOARD AT TILED PARTITIONS AND WET AREAS. REFER TO PARTITION SCHEDULE AND ASSEMBLY DETAILS.

KEYNOTES

(XXX)

NO.	DESCRIPTION
221	RESTROOM SIGNAGE. REFER TO SHEET 06/A00.13 FOR TYPE, SIZE AND LOCATION.
222	RED LINE DENOTES EDGE OF SLAB.
223	ROOF ACCESS LADDER: REFER TO ROOF PLAN FOR LOCATION OF ROOF ACCESS HATCH ABOVE. REFER TO 01/A09.61 FOR MORE INFORMATION.
225	PROVIDE 4" HIGH PRECAST CONCRETE PAD FOR THE CENTRAL INVERTER, COORDINATE LOCATION WITH THE ELECTRICAL DRAWINGS.
227	PROVIDE 3/4" F.R.T. PLYWOOD BACKER BOARD TO 8'-0" ABOVE FINISHED SLAB. PAINT PLYWOOD PER FINISH PLAN (DO NOT PAINT OVER LABEL INDICATING FIRE RETARDANT QUALITY). RECESS ALL WALL POWER/DATA OUTLETS FLUSH WITHIN PLYWOOD PANELS.
228	PROVIDE COMPLETE SEALANT AT ALL TOP OF PARTITIONS AT THE METAL DECK ELEVATION.
229	BANK STANDARD WELLNESS ROOM SIGNAGE PROVIDED BY B&N AND INSTALLED BY GC.
231	GC TO COORDINATE HOLD DIMENSION WITH OWNER VENDOR CSR SHOP DRAWINGS.
232	DIAGONAL HATCH WALL INDICATES KEVLAR INSTALLATION EXTENT.
233	PROVIDE 3/4" F.T. PLYWOOD BLOCKING FOR WALL MOUNTED DIGITAL MEDIA. REFER TO POWER AND COMMUNICATION PLAN AND INTERIOR ELEVATIONS FOR MORE INFORMATION.
234	PROVIDE 1' X 1' ACCESS PANEL FOR ACCESS TO IN-WALL PLUMBING ELEMENTS. INSTALL CENTERED ON WALL, 2'-0" A.F.F.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI · THOMAS E TOWERS · NUMBER A-2004016314 · ARCHITECT

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2	DD_60/COE	10.24.25
1	SD_F	10.17.25

DELTA ISSUE DESCRIPTION DATE

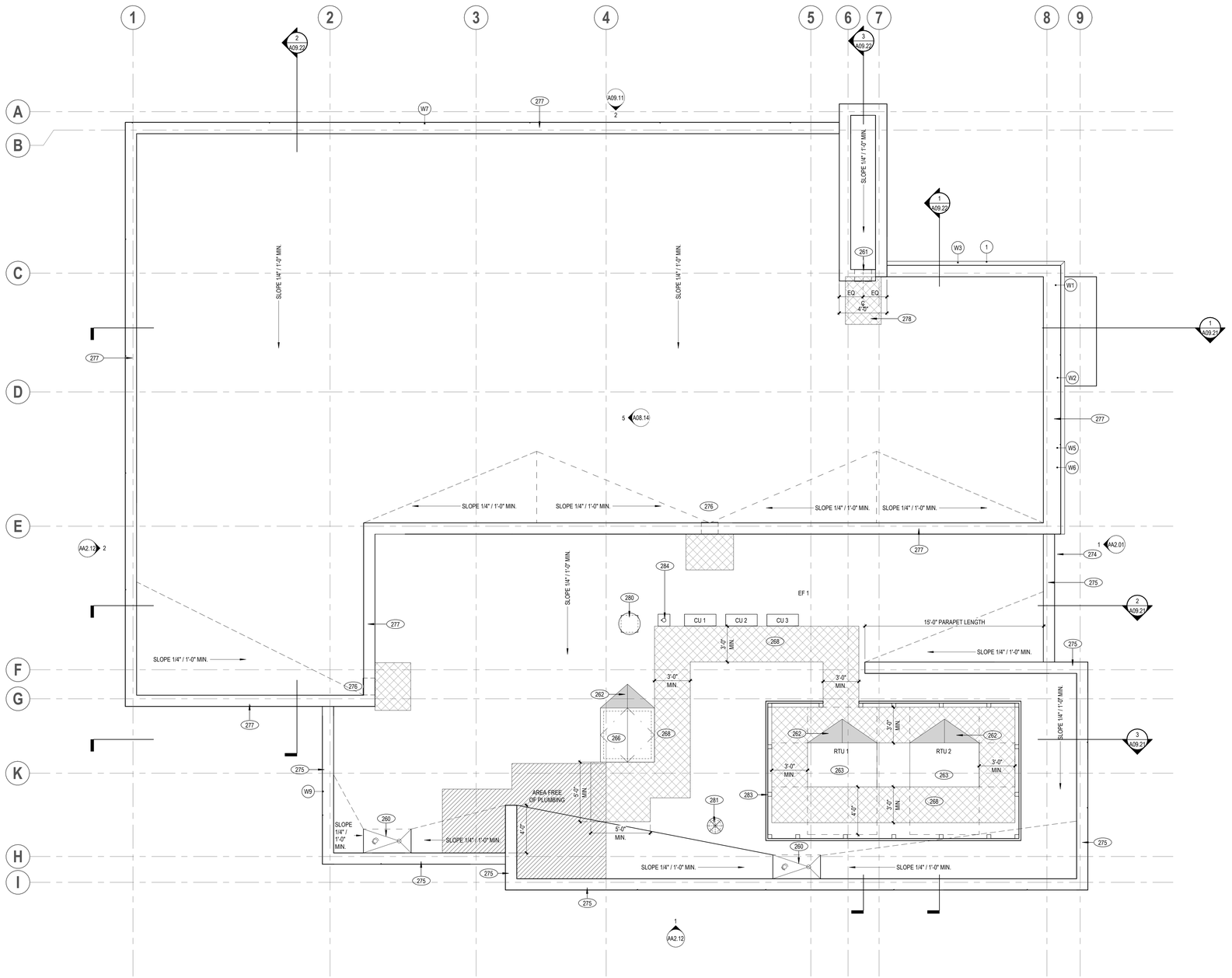
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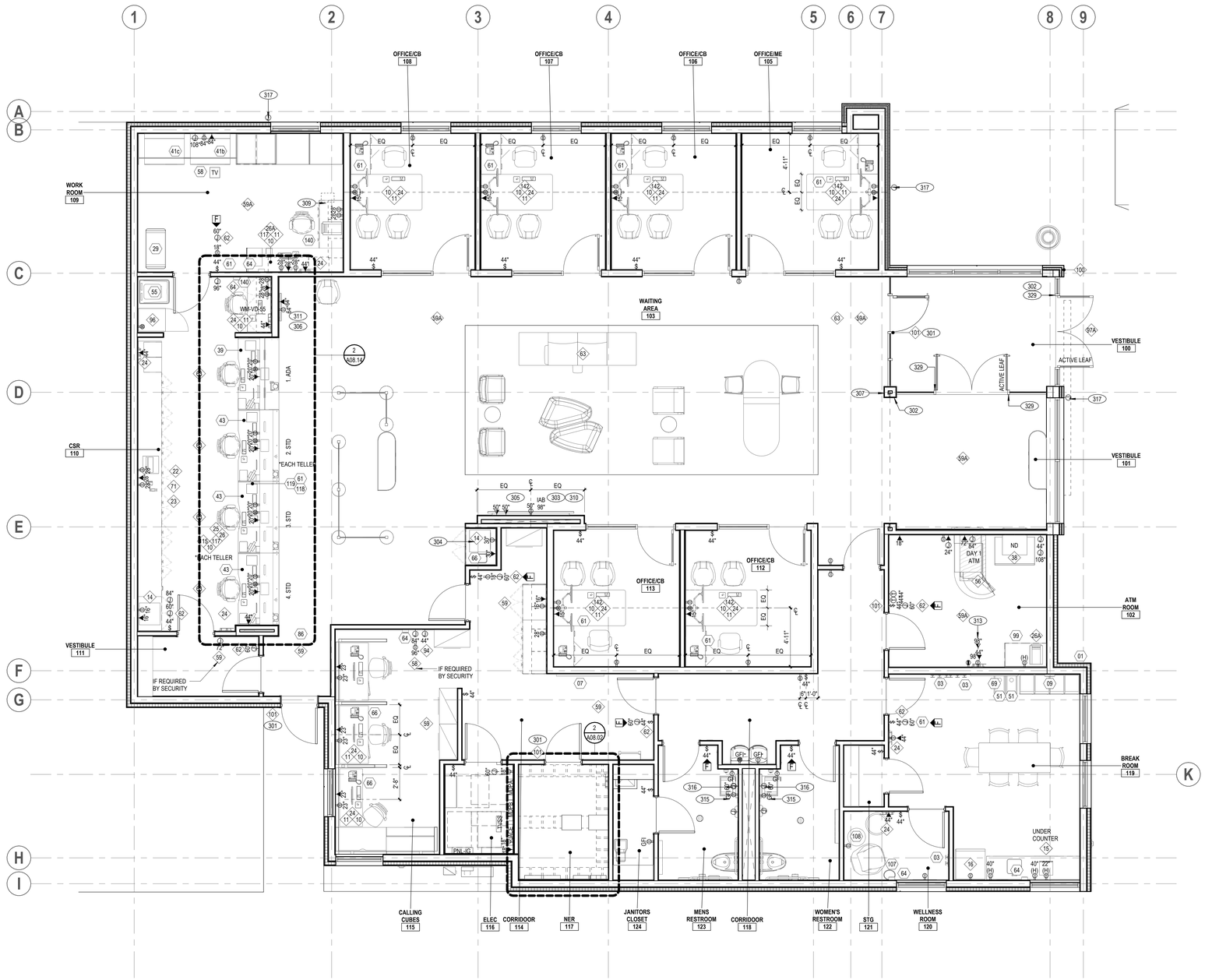
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Owner Approval
47BACX.1247.069 — As indicated
Job No. — Scale

CONSTRUCTION PLAN
A02.01

3/4/2026 11:59:57 AM R23.0.351


1
2
3
4
5
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9
A
B
C
D
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K
H
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SLOPE 1/4" / 1'-0" MIN.
SLOPE 1/4" / 1'-0" MIN.
SLOPE 1/4" / 1'-0" MIN.



1 POWER AND COMMUNICATION PLAN
1/4" = 1'-0"

TRUE

LEGEND

- WALL MOUNTED DUPLEX OUTLET
- WALL MOUNTED DEDICATED OUTLET
- WALL MOUNTED QUAD OUTLET
- WALL MOUNTED JUNCTION BOX
- WALL MOUNTED TELEPHONE OUTLET
- WALL MOUNTED DATA OUTLET
- WALL MOUNTED TELEPHONE/DATA OUTLET
- FLUSH FLOOR MOUNTED DUPLEX OUTLET
- FLUSH FLOOR MOUNTED WIRED JUNCTION BOX
- FLOOR MOUNTED QUAD OUTLET
- FLUSH FLOOR MOUNTED TELEPHONE/DATA OUTLET
- FLUSH FLOOR MOUNTED TELEPHONE OUTLET
- EQUIPMENT DESIGNATION
- WALL MOUNTED TELE/DATA RECEPTACLE. SINGLE DROP
- WALL MOUNTED 1 TELE/ 2 DATA RECEPTACLE. DUAL DROP
- EQUIPMENT WITHOUT POWER SUPPLY
- EQUIPMENT WITH POWER SUPPLY
- FIRE ALARM PULL BOX
- FIRE ALARM HORN/STROBE
- WALL MOUNTED RECEPTACLE FOR TV, CAMERA OR MONITOR; 3" SQUARE
- THERMOSTAT
- WALL MOUNTED SWITCH
- HORIZONTAL OUTLET
- NOT IN CONTRACT

SHEET NOTES

1. REFER TO INTERIOR ELEVATIONS FOR ORIENTATION OF MOUNTED OUTLETS. OTHERWISE, OUTLETS SHOULD BE MOUNTED VERTICALLY. OUTLETS SHOWN WITH ONLY A "+" SIGN SHALL BE LOCATED 1" CLEAR ABOVE THE SCHEDULED MILLWORK COUNTER. OUTLETS TO BE COORDINATED WITH COUNTER HEIGHT.
2. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. FURNITURE SHOWN FOR REFERENCE ONLY.ROOF CURBS FOR MECHANICAL UNITS AND EQUIPMENT TO BE FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED AND FLASHED BY G.C. UON.
4. REFER TO SERIES A00 FOR ABBREVIATIONS AND GENERAL NOTES.
5. USE WHITE DEVICES IN ALL WALLS WITH P-15 AND FINISHES. USE BLACK DEVICES AND COVER PLATES FOR WALLS WITH P-17, P-18, P-19, P-20, & WC-18 FINISHES
6. LOCATION OF CORES TO BE CONFIRMED WITH ARCHITECT..
7. WIRELESS HOLD UP DOUBLE BUTTON WILL BE INSTALLED AT TELLER POSITIONS, PLATFORM DESKS, FOR PERSONNEL ENTRY AND EXIT, AND ANYWHERE A HOLD UP IS CONSIDERED NECESSARY IN A BANKING CENTER. THE NEW WIRELESS INTERFACE MODULE WILL BE LOCATED IN THE NEW ROOM BY THE ALARM PANEL.
8. WALL-MOUNTED OUTLETS AND J-BOXES TO BE AT 18" A.F.F. TO CENTERLINE OF OUTLET BOX, UON.
9. UON, PROVIDE JUNCTION BOXES FOR ALL WALL MOUNTED FIRE PROTECTION EQUIPMENT SUCH AS FIRE STROBES, FIRE PULL AND ALL SECURITY EQUIPMENT.
10. FIRE DEVICE COVERS SHALL BE WHITE UNLESS THIS CONFLICTS WITH LOCAL JURISDICTIONAL REQUIREMENTS.
11. COORDINATE INSTALLATION OF TELECOMMUNICATIONS, DATA AND SECURITY SYSTEMS.
12. VERIFY EQUIPMENT SPECIFICATIONS, POWER AND INSTALLATION REQUIREMENTS WITH MANUFACTURER TO ENSURE PROPER FIT AND FUNCTION.
13. VERIFY MOUNTING REQUIREMENTS OF ELECTRICAL, TELEPHONE AND OTHER EQUIPMENT.
14. GANG ADJACENT LIGHT SWITCHES AND COVER WITH A SINGLE PLATE.
15. INDICATED DIMENSIONS ARE TO THE CENTERLINE OF OUTLET, SWITCH OR CLUSTER OF OUTLETS OR SWITCHES, UON.
16. INSTALL OUTLETS ON OPPOSITE SIDES OF PARTITIONS IN SEPARATE STUD CAVITIES. DO NOT INSTALL BACK TO BACK.
17. PROVIDE ONE-PIECE TYPE GANG COVER PLATES, UON.
18. IDENTIFY DEDICATED OR ISOLATED GROUND ELECTRICAL OUTLETS WITH A RED DOT.
19. PROVIDE JUNCTION BOX FOR ALL MOUNTED SECURITY CAMERAS AS REQUIRED FOR LATEST BAC STANDARDS. CONFIRM WITH BANK'S SECURITY VENDOR.
20. ALL DEVICES IN TYPE B (WITHIN OFFICES) & G PARTITIONS TO HAVE ACOUSTICAL PUTTY PADS AROUND THE BOXES.

KEYNOTES

XXX

NO.	DESCRIPTION
301	KEYLESS ACCESS READER.
302	KEY SWITCH.
303	1" CONDUIT MIN, FROM IN-WALL BACK BOX TO ACCESSIBLE CEILING FOR LOW VOLTAGE WIRING. PROVIDED AND INSTALLED BY E.C. COORDINATE WITH EQUIPMENT CUTSHEET.
304	PRINTER CABINET LIGHT FIXTURE TO ACTIVATE UPON DOOR OPENING. SEE SHEET A12.00.
305	SINGLE GANG BACK BOX ATTACHED TO IN-WALL BACK BOX FOR ONE, 120VAC, 20AMP, 5-20R DUPLEX OUTLET.
306	COORDINATE DIGITAL MEDIA POSTER WITH ELEVATION AND VENDOR CUTSHEET. PROVIDE PEERLESS SF640P FLAT WALL MOUNT BRACKET OVER (1) LAYER OF FRT PLYWOOD BLOCKING 20"W X 20" H SECURED BETWEEN STUDS BEHIND DRYWALL.
307	KEY SWITCH AND EMERGENCY PUSH BUTTON.
309	PROVIDE CONTAINER FOR E-WASTE/ BATTERY RECYCLING. COORDINATE WITH BANK LEED MANAGER.
310	COORDINATE TV P/C WITH ELEVATION AND VENDOR CUTSHEET. PROVIDE CHIEF FPIWMS (FPIWMKIT1 + FPIWMKIT2) IN-WALL MOUNT SYSTEM FPIWMKIT1 TO BE PROVIDED AND INSTALLED BY E.C. FPIKIT2 IS PROVIDED AND INSTALLED BY DIVERSIFIED.
311	PROVIDE (2) 1" CONDUIT FOR POWER AND DATA CONNECTED TO (2) J-BOXES BEHIND MONITOR. COORDINATE WITH EQUIPMENT CUTSHEET.
313	PROVIDE DEDICATED DUPLEX OUTLET AND DUAL DATA DROP 4" BELOW CEILING FOR 'NEVER DOWN WIFI' EQUIPMENT.
315	OUTLET FOR FAUCET.
316	J-BOX FOR LED MIRROR.
317	JUNCTION BOX FOR WALL MOUNTED SIGN.
329	PUSH PLATE.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8		ISSUED FOR PERMIT	03.04.26
7		ISSUED FOR CD_90	01.30.26
6		DD_F	01.13.26
3		DD_90	11.13.25
2		DD_60/COE	10.24.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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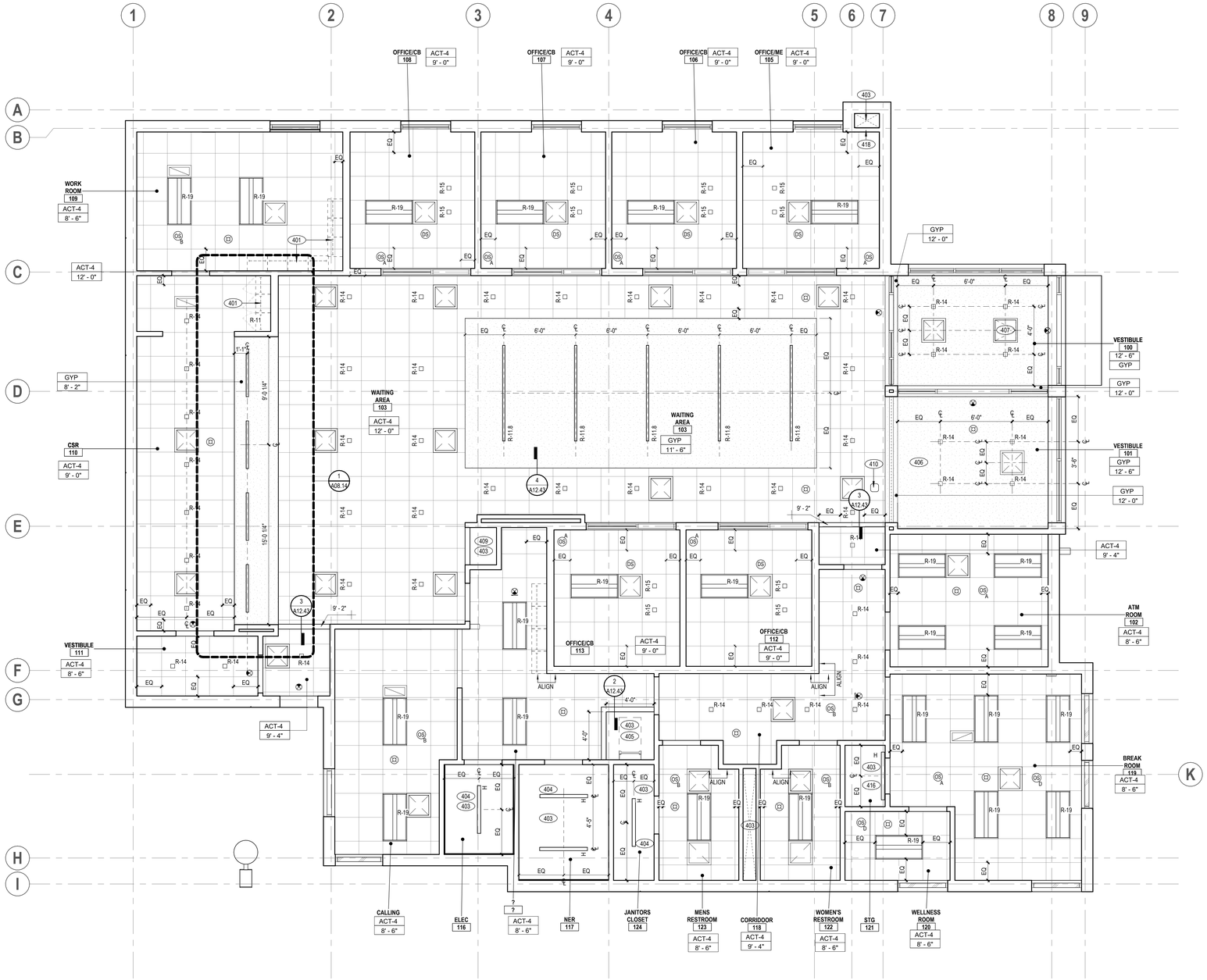
Owner Approval

47BACX.1247.069	As indicated
Job No.	Scale

POWER AND COMMUNICATION PLAN

A03.01

3/4/2026 10:05:18 PM 4:5|3.5:1



1 01 RCP
1/4" = 1'-0"

TRUE

LEGEND

- CEILING MOUNTED ONE SIDED EXIT SIGN
- CEILING MOUNTED TWO SIDED EXIT SIGN
- RECESSED MOUNTED LIGHT FIXTURE
- CHAIN HUNG LIGHT FIXTURE
- 2'X4' LIGHT FIXTURE
- 2'X2' SUPPLY SQUARE DIFFUSER
- 2'X1' RETURN REGISTER
- SQUARE RECESSED DOWNLIGHT AT VESTIBULE
- SQUARE WALL WASHER AT UCR'S
- OS D PASSIVE INFRARED WALL SWITCH OCCUPANCY SENSOR
- OS A PASSIVE INFRARED OCCUPANCY SENSOR
- OS B OCCUPANCY SENSOR - 360 DEGREE, TWO-SIDED
- DS A DIMMING SENSOR
- ACOUSTICAL CEILING
- GYP. BD. CEILING / SOFFIT
- NIC
- S CEILING MOUNTED SPEAKER
- UNDERCABINET LIGHTING
- ACCESS PANEL
- $ LIGHT SWITCH

SHEET NOTES

1. COORDINATE LENGTHS OF UNDER CABINET FIXTURES WITH SCHEDULED MILLWORK CABINETS.
2. REFER TO A00.40 FOR FINISH SCHEDULE.
3. GYPSUM BOARD CEILING PAINTED P-15, UNLESS NOTED OTHERWISE.REFER TO SERIES A00 FOR ABBREVIATIONS AND GENERAL NOTES.
4. REFER TO CEILING DETAILS FOR WIRELESS APPLICATION PROTOCOL MOUNTING DETAIL.

KEYNOTES

NO.	DESCRIPTION
401	UNDER CABINET LIGHT. REFER TO ELECTRICAL DRAWINGS.
403	OPEN TO STRUCTURE ABOVE.
404	CHAIN HUNG LIGHT FIXTURES.
405	ROOF ACCESS DOOR 4'X4' AND METAL LADDER.
406	COORDINATE CAMERA LOCATION WITH SECURITY VENDOR PLANS. TYPICAL THROUGHOUT.
407	24"X24" LOCKABLE ACCESS PANEL.
409	REFER TO PRINTER CABINET DETAILS ON SHEET A12.00 FOR LOCATION OF OC SENSOR.
410	WIRELESS APPLICATION PROTOCOL BY TECHNOLOGY TEAM.
416	LIGHT FIXTURE MOUNTED ON WALL OVER DOOR FRAME.
418	PROVIDE 1' X 1' VENTED PANEL 1'-0" ABOVE T.O. SUSPENDED CEILING ON NOTED PARTITION. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.

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BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

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DELTA ISSUE DESCRIPTION DATE

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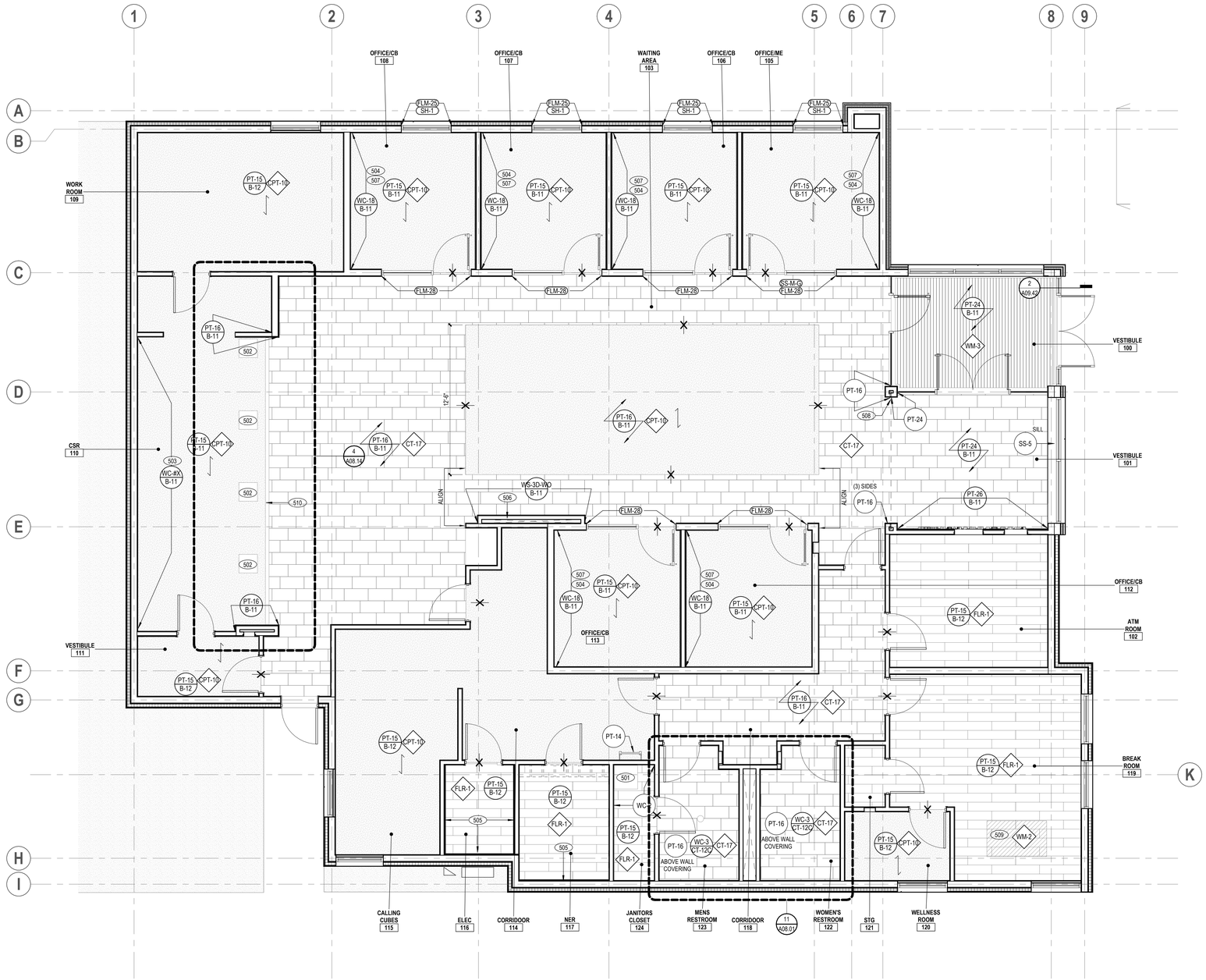
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Owner Approval

47BACX.1247.069 — As indicated
Job No. — Scale

REFLECTED CEILING PLAN

A04.01



1 WALL FINISH PLAN
1/4" = 1'-0"

LEGEND

- P-15 / B-11 — WALL FINISH
- BASE FINISH
- EXTENT OF WALL FINISH
- CHANGE IN FLOOR FINISH
- CPT-10 — FLOOR FINISH
- ALIGN
- FLOOR TILE START POINT

SHEET NOTES

1. REFER TO FINISH SCHEDULE ON A00.40.
2. REFER TO A00.00 AND A00.40 FOR EXTENT OF FINISHES AND FOR ADDITIONAL NOTES.
3. ALL PARTITIONS SHALL BE PAINTED P-15 AND TO RECEIVE B-12 AT NON-CUSTOMER FACING AREAS, U.N.O.
4. ALL EXPOSED SURFACES OF SOFFIT OVER OFFICES (UCRS) TO BE PAINTED P-15, U.N.O
5. PROVIDE STRAIGHT, FLUSH BASE AT CARPETED AREAS AND COVED BASE AT HARD FLOORING SURFACES, U.N.O.
6. SEE GENERAL NOTES ON SHEET A00.40 FOR DOOR FINISHES.
7. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL SATISFACTORY CONDITIONS HAVE BEEN CONFIRMED.
8. SEE GENERAL NOTES ON POWER AND COMMUNICATIONS PLAN FOR COVER PLATE COLORS.
9. DYNAMIC COEFFICIENT OF FRICTION (DCOF) FOR WET AND DRY LEVEL FLOORING SURFACES (INCLUDING SEALED CONCRETE) TO BE MINIMUM 0.42. MANUFACTURER'S DOCUMENTATION TO BE INCLUDED IN PRODUCT DATA SUBMITTALS DURING CONSTRUCTION ADMINISTRATION.
10. ALL INTERSECTIONS OF FLOOR FINISH MATERIALS SHALL BE LOCATED DIRECTLY UNDER CENTER OF DOOR, WHERE OCCURS, U.O.N.

KEYNOTES

XXX

NO.	DESCRIPTION
501	FRP WAINSCOT TO BE 48 INCHES HIGH AND EXTEND 2 FEET PAST SERVICE SINK DIMENSIONS.
502	TELLER LINE MILLWORK AND UNDERCOUNTER STEEL TO BE INSTALLED DIRECTLY ON TOP OF CONCRETE FLOOR SLAB.
503	PROVIDE PRIMER TINTED WITH P-15 (BENJAMIN MOORE PAINT ONLY) LEVEL 5 FINISH. WALL TO BE CURED FOR 10 DAYS MINIMUM AT A TEMPERATURE OVER 60 DEGREES F.
504	PROVIDE WC-18 ABOVE WALL BASE.
505	PAINT PLYWOOD P-15, OMIT PAINTING THE FIRE RETARDANT STAMP ON PLYWOOD.
506	RED DOT PHOTO MURAL. PREP WALL TO LEVEL 5 FINISH.
507	PROVIDE PRIMER TINTED WITH P-17 (BENJAMIN MOORE PAINT ONLY) LEVEL 5 FINISH. WALL TO BE CURED FOR 10 DAYS MINIMUM AT A TEMPERATURE OVER 60 DEGREES F.
508	PAINT TRANSITION AT OVERHEAD COILING DOOR TRACK.
509	PROVIDE WALK-OFF MAT (WM-2) CENTERED ON SINK.
510	CARPET TO STOP AT BASE OF TELLERLINE.

BANK OF AMERICA

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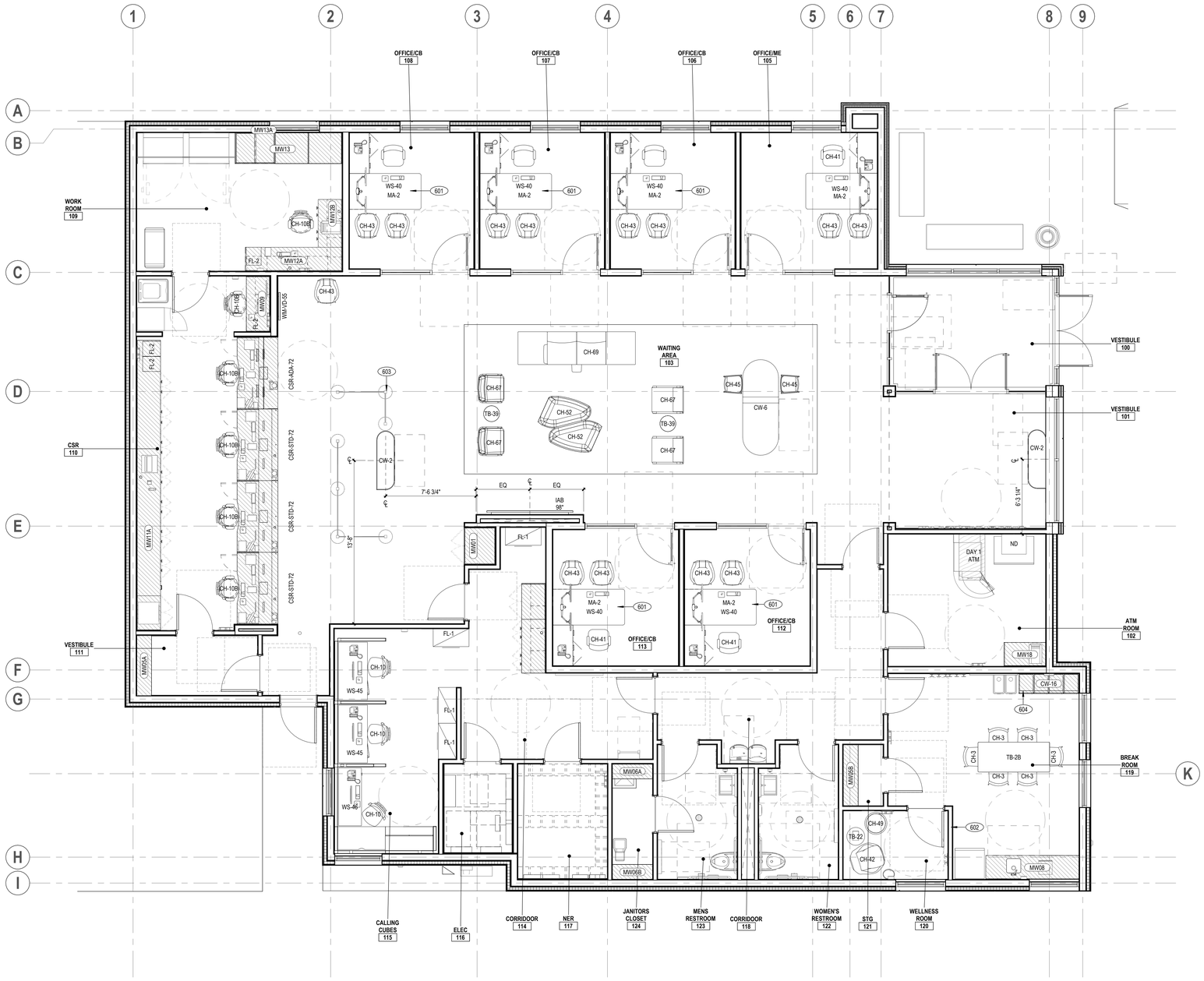
Owner Approval

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As indicated — Scale

FINISH PLAN

A05.01

3/4/2026 12:05:08 PM RSX 25.01



1 FURNITURE PLAN
1/4" = 1'-0"

LEGEND (FOR REFERENCE)

ORDERED BY PJM AND INSTALLED BY FURNITURE VENDOR

CH-69	*

BERNHARDT

CH-42	BERNHARDT CANELLE
CH-43	BERNHARDT CHANTAL
CH-45	BARSTOOL
CH-49	BERNHARDT OTTOMAN APEL
TB-22	BERNHARDT QUIET

HBF

CH-67	SOCIAL LOUNGE CHAIR
TB-39	CITYSCAPE TABLE

STEELCASE

CH-3	STEELCASE MOVE CHAIR
CH-10	STEELCASE SERIES 1 CHAIR
CH-10B	STEELCASE SERIES 1 STOOL
FL-1	STEELCASE UNIVERSAL LATERAL FILE
FL-2	STEELCASE 32" HIGH PEDESTAL
MA-2	DUAL MONITOR ARM X2BBTWETBETB12
TB-2B	STEELCASE UNIVERSAL TABLE
WS-40	WORKSTATION
WS-45	STEELCASE ANSWER WORKSTATION
WS-46	STEELCASE ANSWER WORKSTATION

B&N

CSR-ADA-72	CSR-ADA-72.0
CSR-STD-72	CSR-STD-72
CSR-STD-72	CSR-STD-72
CSR-STD-72	CSR-STD-72
CW-2	TRASH CABINET
CW-6	CLIENT MANAGEMENT TABLE - NON-POWERED

DMG FIXTURE

IAB 98"	SAMSUNG IAC 110"

ORDERED AND INSTALLED BY GC

CW-16	BREAK ROOM LOCKERS

SHEET NOTES

1. ACCESSIBLE WORKSTATION, CHAIRS AND CREDENZA ARE PROVIDED AND INSTALLED BY BANK'S FURNITURE VENDOR. CONTRACTOR TO COORDINATE WITH VENDOR, SHOWN FOR CLARIFICATION ONLY.
2. FURNITURE AND MILLWORK LISTED BELOW TO BE ORDERED BY PJM AND INSTALLED BY FURNITURE VENDOR UNLESS NOTED OTHERWISE.
3. QUANTITIES MUST BE VERIFIED BY THE FURNITURE VENDOR BEFORE DETERMINING THE FINAL NUMBER FOR PROCUREMENT PURPOSES.
4. REFER TO A12.60 FOR MILLWORK PLAN AND ASSOCIATED TAGS.

KEYNOTES

(XXX)

NO.	DESCRIPTION
601	INSTALL WALL BASE AFTER FURNITURE HAS BEEN INSTALLED.
602	PROVIDE ACRYLIC HOLDER (LETTER SIZED) SECURED TO THE BACK OF THE DOOR TO DISPLAY WELLNESS ROOM PRIORITY SIGN. COORDINATE WITH BANK MERCHANDISING TEAM FOR FURTHER INFORMATION.
603	NEW QUEUE STANCHIONS BY MLE.
604	LOCKERS TO BE PROVIDED BY BANK GC.

BANK OF AMERICA

CHIPMAN

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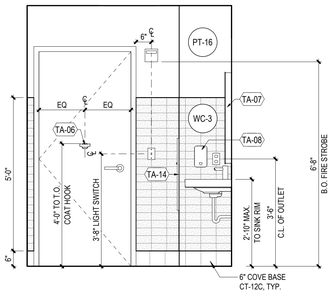
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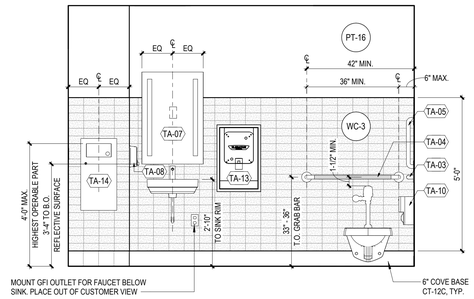
FURNITURE PLAN

A06.01

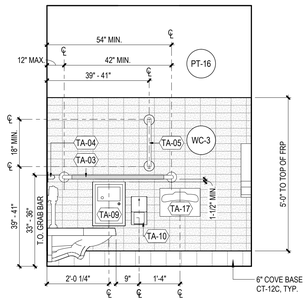
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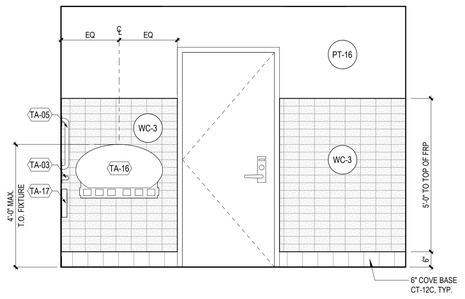
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1/2" = 1'-0"



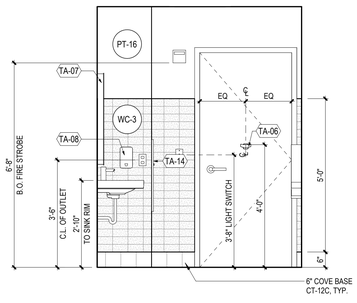
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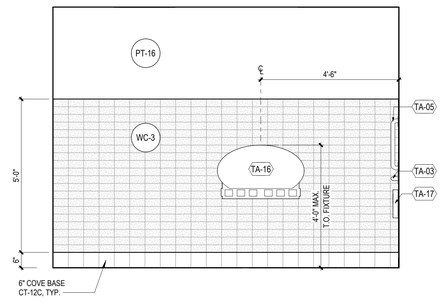
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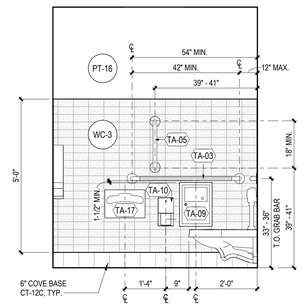
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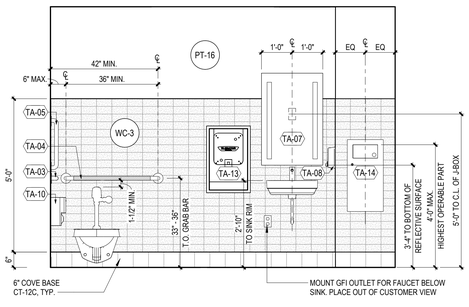
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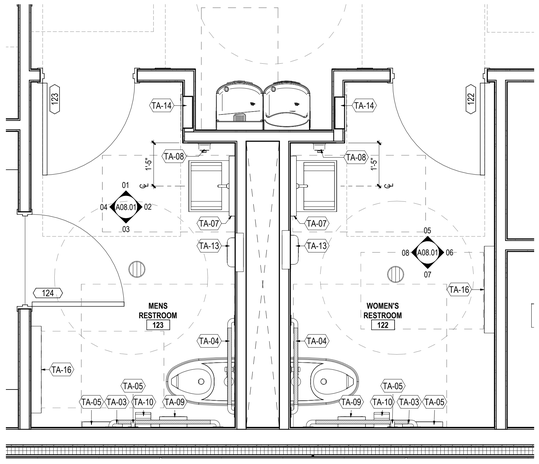
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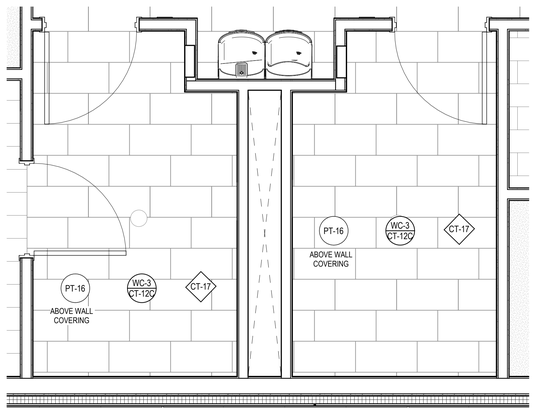
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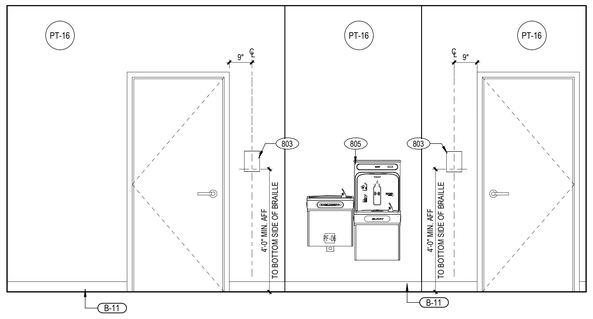
08 WOMENS RESTROOM - ELEV. D
1/2" = 1'-0"



09 ENLARGED RESTROOM PLAN
1/2" = 1'-0"



11 ENLARGED FINISH PLAN
1/2" = 1'-0"



13 RESTROOM EXTERIOR ELEVATION
1/2" = 1'-0"

KEYNOTES

XXX

NO.	DESCRIPTION
803	RESTROOM SIGNAGE PROVIDED BY B&N AND INSTALLED BY GC. REFER TO SHEET A00.13 FOR LOCATION
805	DRINKING FOUNTAIN PER BOFA STANDARDS. SEE ENGINEERING DOCUMENTATION.

SHEET NOTES

1. FOR FINISH SCHEDULE REFER TO A00.40
2. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY PRODUCT INFORMATION.
3. CONTRACTOR TO PROVIDE BLOCKING IN WALLS FOR ALL TOILET ROOM ACCESSORIES AS REQUIRED.
4. CONTRACTOR TO PROVIDE IN-WALL BLOCKING FOR SINK, TOILET, AND URINAL AS REQUIRED.
5. USE WATER RESISTANT GYPSUM BOARD BEHIND TOILET AND LAVATORY, AND AROUND DRINKING FOUNTAIN.
6. REFER TO SHEET A00.11 FOR MOUNTING HEIGHTS AND ADDITIONAL INFORMATION.

SCHEDULE

MARK	LOCATION	DESCRIPTION	MOUNTING HT.
TA-02	WELLNESS ROOM	RECESSED PAPER TOWEL DISPENSER	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-03	MEN, WOMEN	HORIZONTAL GRAB BAR 42" LONG	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-04	MEN, WOMEN	HORIZONTAL GRAB BAR 36" LONG	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-05	MEN, WOMEN	VERTICAL GRAB BAR 18" LONG	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-06	MEN, WOMEN	UTILITY HOOK	48" A.F.F. TO T.O. HOOK
TA-07	MEN, WOMEN	BACKLIT MIRROR	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
TA-08	MEN, WOMEN	SOAP DISPENSER	40" A.F.F. TO BOTTOM OF OPERABLE PART
TA-09	WOMEN	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-10	MEN, WOMEN	TOILET PAPER DISPENSER	19" A.F.F. TO CENTERLINE OF ROLL
TA-12	MEN, WOMEN	UNDER LAVATORY GUARD	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-13	MEN, WOMEN	HAND DRYER	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-14	MEN, WOMEN	TRASH RECEPTACLE	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-15	MEN, WOMEN	RESTROOM SIGNAGE	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-16	MEN, WOMEN	BABY CHANGING STATION	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-17	MEN, WOMEN	SURFACE MOUNTED TOILET SEAT COVER DISPENSER	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-19	WELLNESS ROOM	MIRROR	SEE ELEVATION AND ACCESSIBILITY DETAILS
TA-20	WELLNESS ROOM	SIGNAGE	SEE ELEVATION AND ACCESSIBILITY DETAILS

NOTE: RESTROOM ACCESSORIES TO BE ORDERED AND INSTALLED BY GC. REFER TO BAC GUIDELINES FOR RESTROOM ACCESSORIES SPECS AND REQUIRED MANUFACTURERS.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI THOMAS E TOWERS NUMBER A-2004016314 ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
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7		ISSUED FOR CD_90	01.30.26
6		DD_F	01.13.26
3		DD_90	11.13.25
2		DD_60/COE	10.24.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

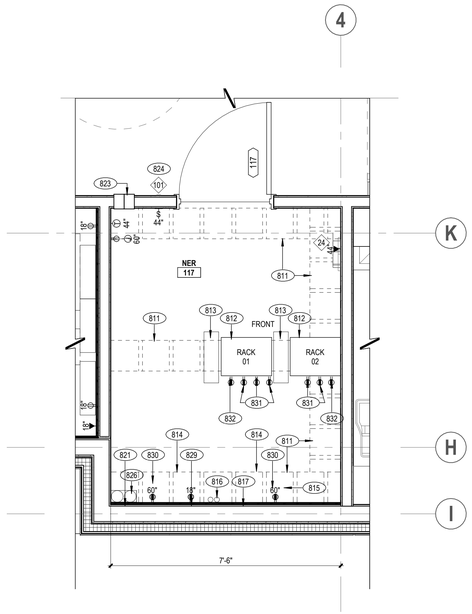
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Owner Approval
47BACX.1247.069 — As indicated
Job No. — Scale

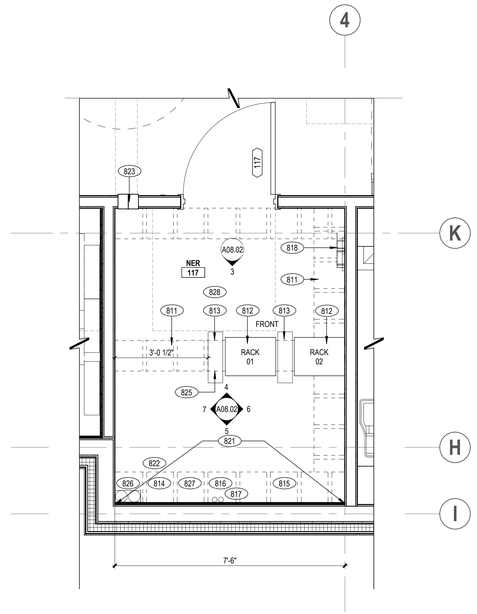
ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS

A08.01

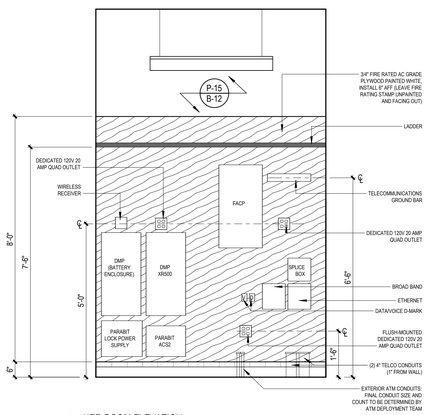
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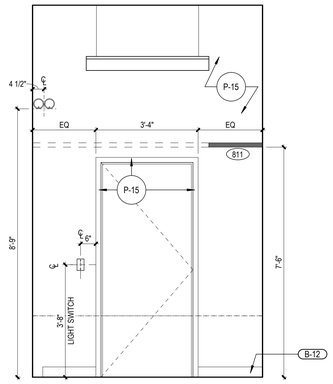
2 NER ROOM ENLARGED P&C PLAN
1/2" = 1'-0"



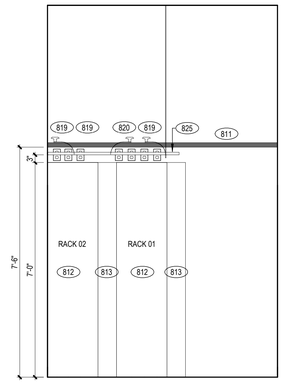
1 NER ROOM ENLARGED PLAN
1/2" = 1'-0"



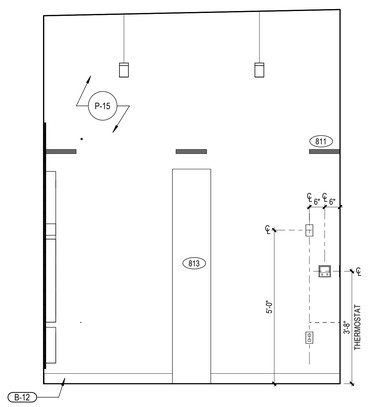
5 NER ROOM ELEVATION
1/2" = 1'-0"



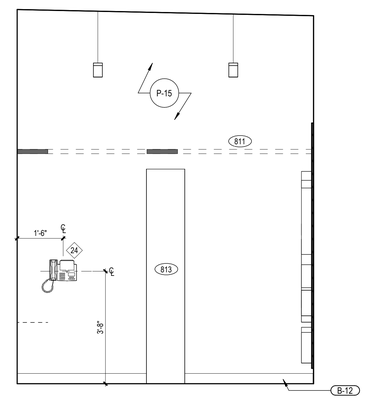
4 NER ROOM ELEVATION
1/2" = 1'-0"



3 NER ROOM ELEVATION
1/2" = 1'-0"



7 NER ROOM ELEVATION
1/2" = 1'-0"



6 NER ROOM ELEVATION
1/2" = 1'-0"

KEYNOTES

XXX

NO.	DESCRIPTION
811	12" WIDE OVERHEAD LADDER RACK; TO BE INSTALLED AT 7'-6"(90") A.F.F BY BANK VENDOR.
812	19" TWO POST RACK (7') BY BANK VENDOR.
813	VERTICAL CABLE MANAGER MINIMUM SIZE 6"W X 16"D X 84"H.
814	WALL MOUNTED SECURITY EQUIPMENT (I.E. - MICRO); POWER IDENTIFIED IS FOR SECURITY VENDOR USE ONLY; CHECK WITH SECURITY VENDOR ON SPECIFIC POWER REQUIREMENTS.
815	COAXIAL TAP FOR CATV (TO BE INSTALLED BY CATV VENDOR 12" BELOW LADDER RACK HEIGHT) IF REQUIRED.
816	WALL MOUNTED DMARC LOCATION.
817	VERTICAL LADDER D RING.
818	WALL PHONE LOCATION @ 44" AFF.
819	CABLE WATERFALLS.
820	LADDER RACK STAND OFF.
821	3/4" FIRE RATED AC GRADE PLYWOOD PAINTED WHITE, INSTALL 6" AFF (LEAVE FIRE RATING STAMP UNPAINTED AND FACING OUT).
822	TELECOMMUNICATIONS GROUND BAR, INSTALL AT 78" AFF.
823	4" EZ PATH FIRE RATED PATHWAY WITH WATERFALL (PREFERRED) OR APPROVED SLEEVE WITH FIRE STOPPING AND WATERFALL.
824	CARD READER BY BANK VENDOR.
825	UNISTRUT OR EQUIVALENT FOR MOUNTING POWER OUTLETS; INDEPENDENT OF TELECOMMUNICATIONS LADDER RACK/RUNWAY AND RACKS INSTALLED 6" ABOVE LADDER RACK. ISOLATORS MUST BE USED IF MOUNTED TO THE LADDER STANDOFF IN LOW CEILING HEIGHT AREAS. UNISTRUT AND OUTLETS TO BE LOCATED ON REAR OF RACKS.
826	4" SLEEVES FOR FLOOR PENETRATIONS. ALTERNATIVELY, PROVIDE (2) 2" OVERHEAD CONDUITS BETWEEN BUILDING MPOE/TELCO ROOM AND NER WHEN MPOE/TELCO ROOM IS IN DIFFERENT LOCATION OTHER THAN NER.
827	EXTERIOR ATM CONDUITS IF NEEDED; FINAL CONDUIT DIAMETER AND COUNT TO BE DETERMINED BY ATM DEPLOYMENT TEAM.
828	ANTI-STATIC TILE THROUGHOUT THE ROOM.
829	FLUSH MOUNTED DEDICATED 120V NEMA 5-20R QUAD OUTLET (18" A.F.F.).
830	FLUSH MOUNTED DEDICATED 120V NEMA 5-20R QUAD OUTLET (60" A.F.F.).
831	DEDICATED 120V L5-20R OUTLET (ABOVE RACKS ON UNISTRUT).
832	DEDICATED 120V NEMA 5-20R OUTLET (ABOVE RACKS ON UNISTRUT)

SHEET NOTES

1. NER ROOM TO BE BUILT TO BAC WIRING STANDARDS SPECIFICATIONS
2. EACH RACK WILL REQUIRE 2 FRONT RACK MOUNTED HORIZONTAL, 120V-20A LOCKING PLUG STRIPS PROVIDED BY CABLE VENDOR.
3. POWER TO BE LOCATED BELOW LADDER RACK HEIGHT ON REAR SIDE OF RACK ATTACHED TO UNISTRUT OR EQUIVALENT.
4. WALL MUST BE 1 HOUR FIRE RATED
5. HARD DECK OR OPEN TO DECK REQUIRED; FALSE CEILING NOT PERMITTED.
6. EQUIPMENT ROOMS MUST BE CLEAR OF ELECTRIC UTILITIES, INCLUDING ELECTRICAL PANELS, UNLESS THEY SOLELY SUPPORT THE ROOM.
7. ALL EQUIPMENT RACKS, CABINETS, FRAMES, ETC. SHALL BE RATED TO MEET THE SEISMIC RATING REQUIREMENTS FOR THE INSTALLATION LOCATION.
8. LAN EQUIPMENT LOCATED IN TELECOMMUNICATIONS ROOMS (TR) AND NETWORK EQUIPMENT ROOMS MUST BE BONDED AND GROUNDED USING BONDING KITS APPROVED BY BAC WIRING GOVERNANCE. CONTACT WIRING GOVERNANCE FOR FURTHER DETAILS.
9. EQUIPMENT ROOMS SHALL HAVE A MINIMUM DISTRIBUTED FLOOR LOAD RATING 150 LBS/F (7.2 KPA) THE RECOMMENDED DISTRIBUTED FLOOR LOADING FOR EQUIPMENT ROOMS IS 250 LBS/F (12KPA).
10. PREFER A/C UNIT TO BE LOCATED OUTSIDE ROOM AND DUCT IN; IF INSTALLING A CRAC UNIT INSIDE THE TR, THEN REQUIRE AN ELEVATED WALL MOUNTED UNIT ABOVE THE FLOOR; MINIMUM 80" AFF.
11. SUPPLEMENTAL COOLING REQUIRED IF LARGE SWITCHES OR SERVERS ARE PRESENT; IF SUPPLEMENTAL COOLING IS NOT REQUIRED THEN ADEQUATE AIRFLOW AND EXHAUST FAN SHOULD BE PROVIDED - RECOMMENDATION BY MEP ENGINEER REQUIRED.
12. ALL SUPPLEMENTAL COOLING EQUIPMENT MUST MEET ALL IC3 SYSTEM COMPATIBILITY REQUIREMENTS. FOR APPROVED MODELS FROM MITSUBISHI AND CARRIER, PLEASE CONTACT PJM OR TDT.
13. IF ANY WATER LINES ARE PRESENT INSIDE NER/TR THEN DRIP PANS NEED TO BE INSTALLED, EVEN IF THE LINES DO NOT GO OVER THE EQUIPMENT.
14. SPRINKLER HEADS TO NOT BE INSTALLED ABOVE ANY RACKS OR EQUIPMENT; PROTECTIVE CAGE REQUIRED FOR SPRINKLER HEADS.
15. A 3' MINIMUM CLEARANCE AROUND THE RACKS IS REQUIRED FOR MAINTENANCE AND FUTURE WORK; THIS CLEARANCE IS INCLUSIVE OF THE SINGLE OR DOUBLE DOORS WITHIN THE DESIGNS.
16. ALL RACKS, OVERHEAD LADDER RACK, AND ARMORED CABLING MUST BE INDIVIDUALLY GROUNDED TO THE TELECOMMUNICATIONS GROUND BAR.
17. ALL OVERHEAD CABLING MUST HAVE PROPER WATERFALL DEVICES INSTALLED FROM PENETRATION POINTS THAT DELIVER CABLING TO THE OVERHEAD LADDER RACK.
18. CONSTRUCTION AND CABLING VENDOR TO COORDINATE OVERHEAD LADDER RACK, CABLING PENETRATIONS AND POWER INSTALLATION POINTS ONSITE FOR EXACT LOCATIONS.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

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INTERIOR ARCHITECTS

CHICAGO
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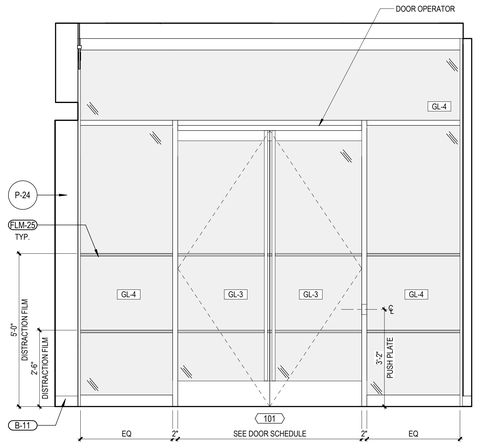
Owner Approval

47BACX.1247.069 — Job No.
1/2" = 1'-0" — Scale

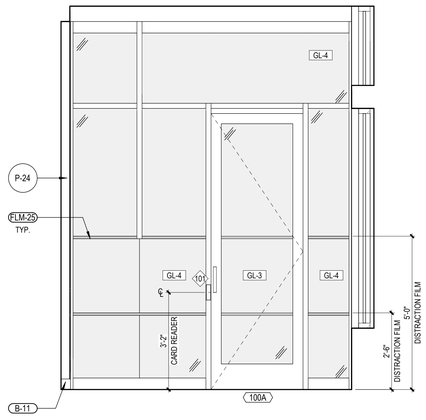
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A08.02

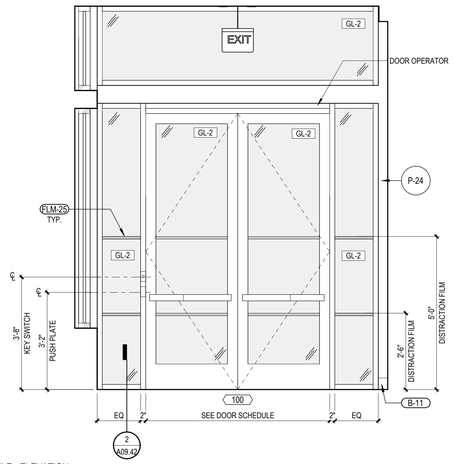
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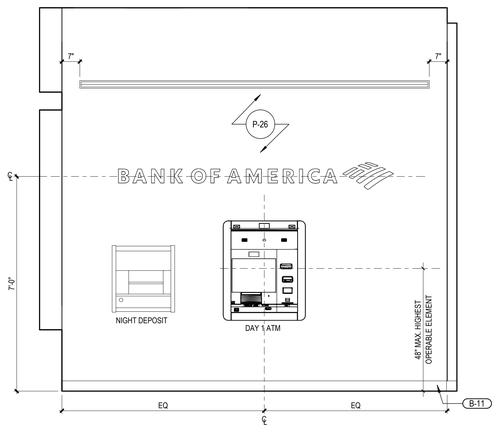
06 VESTIBULE ELEVATION
1/2" = 1'-0"



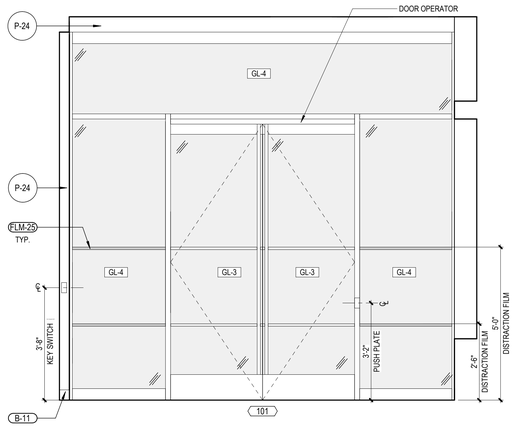
07 VESTIBULE ELEVATION
1/2" = 1'-0"



08 VESTIBULE - ELEVATION
1/2" = 1'-0"



05 24HR VESTIBULE - ELEVATION
1/2" = 1'-0"



09 24HR VESTIBULE - ELEVATION
1/2" = 1'-0"

KEYNOTES

XXX

NO.	DESCRIPTION

SHEET NOTES

1. FINISH THE INTERIOR OF ENCLOSED MILLWORK CABINETS WITH CL-1, UNLESS NOTED OTHERWISE. CABINETS WITH OPEN SHELVING TO BE PLASTIC LAMINATE CL-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED SURFACES OF MILLWORK TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE.
3. PROVIDE A SIDE SPLASH FOR ALL MILLWORK COUNTERS THAT ABUT A WALL.
4. COORDINATE ALL HARDWARE KEYING WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO PLACING HARDWARE ORDER.

LEGEND

MW1	MILLWORK TAG
K	KEYED LOCK - COORDINATE WITH KEYING STANDARDS
	EQUIPMENT WITHOUT POWER SUPPLY
	EQUIPMENT WITH POWER SUPPLY

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
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THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

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1		SD_F	10.17.25

INTERIOR ARCHITECTS

CHICAGO
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CHICAGO, IL 60603
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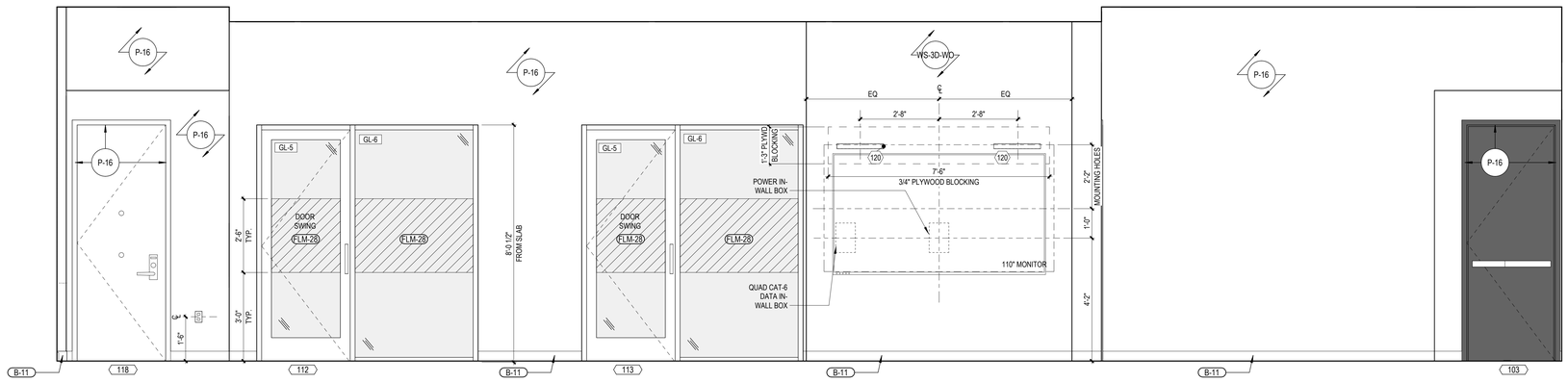
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As indicated — Scale

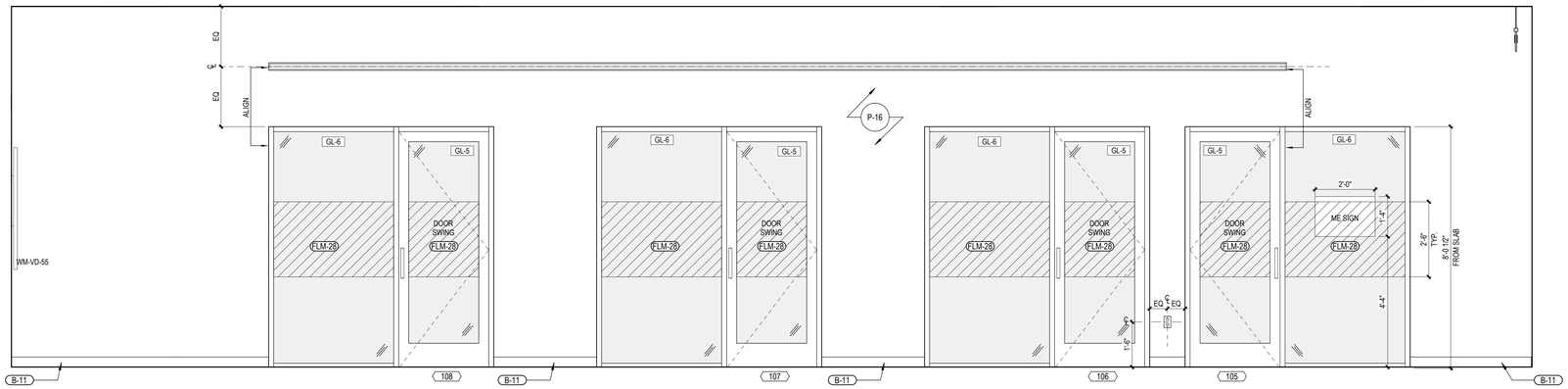
INTERIOR ELEVATIONS

A08.03

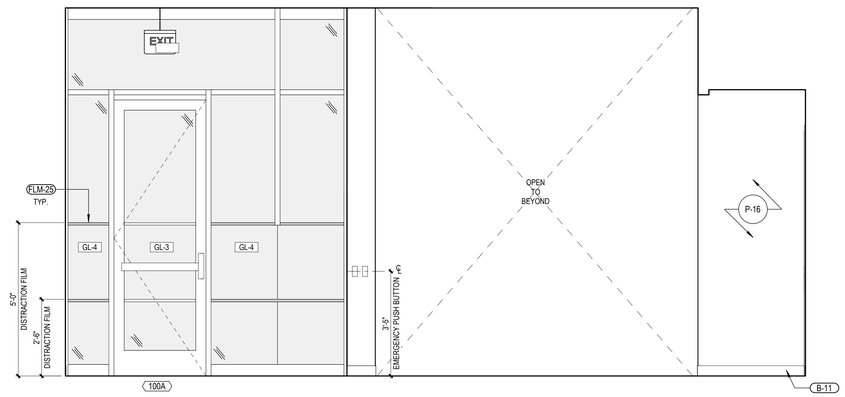
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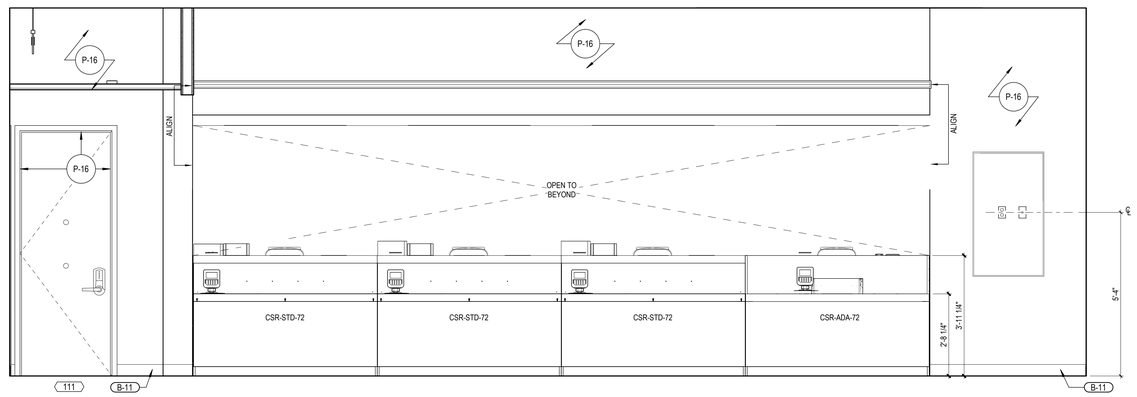
01 LOBBY ELEVATION
1/2" = 1'-0"



04 LOBBY - ELEVATION
1/2" = 1'-0"



07 LOBBY - ELEVATION
1/2" = 1'-0"



08 LOBBY - ELEVATION
1/2" = 1'-0"

KEYNOTES

NO.	DESCRIPTION

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LEGEND

MW11	MILLWORK TAG
K	KEYED LOCK - COORDINATE WITH KEYING STANDARDS
	EQUIPMENT WITHOUT POWER SUPPLY
	EQUIPMENT WITH POWER SUPPLY

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
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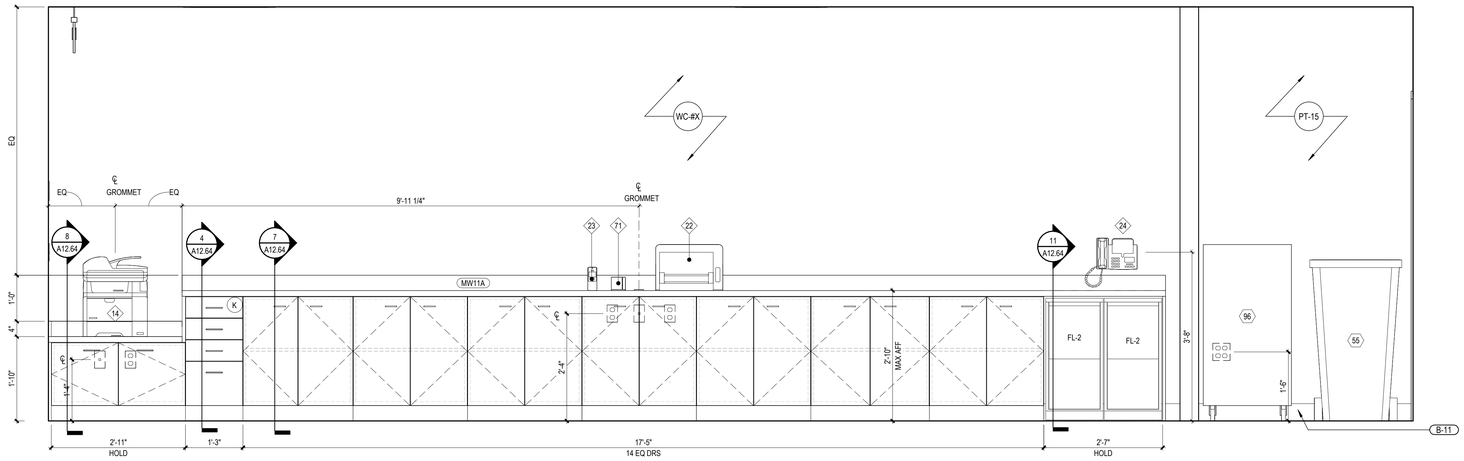
Owner Approval

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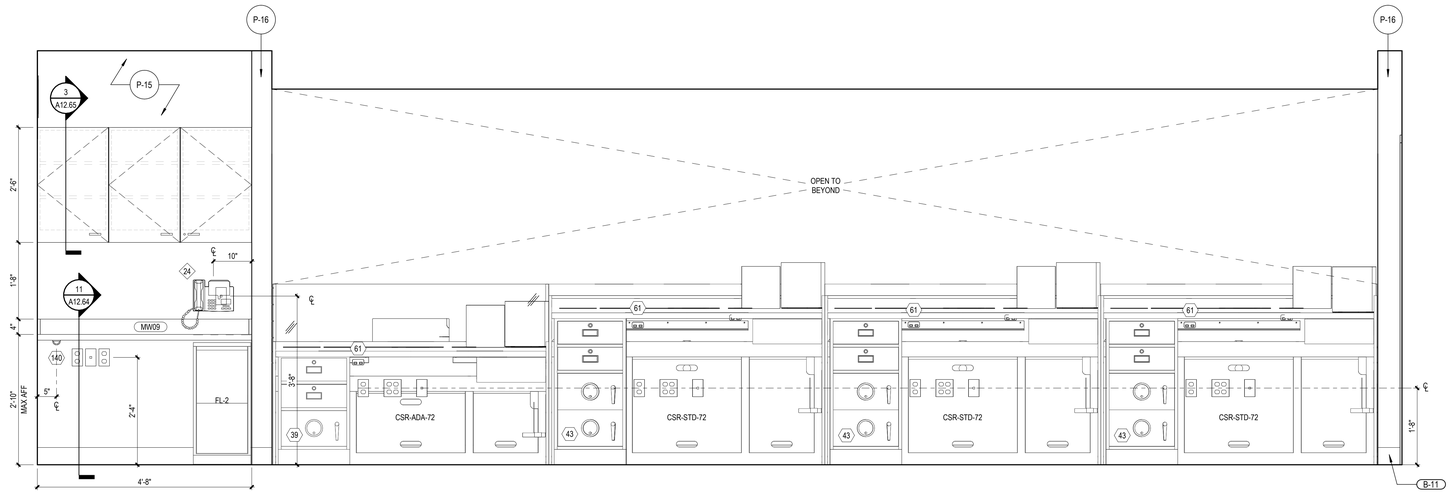
INTERIOR ELEVATIONS

A08.04

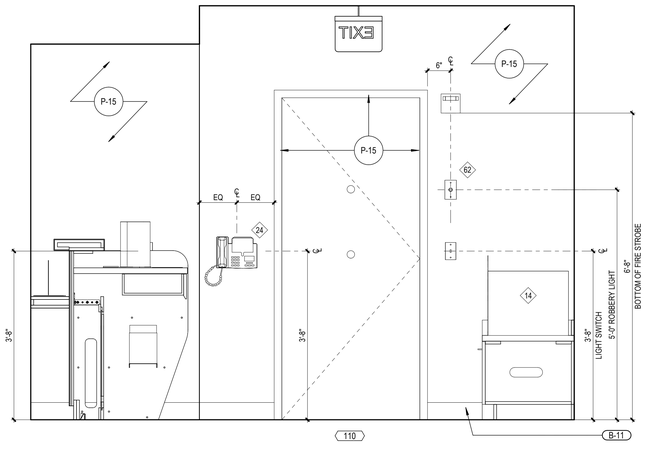
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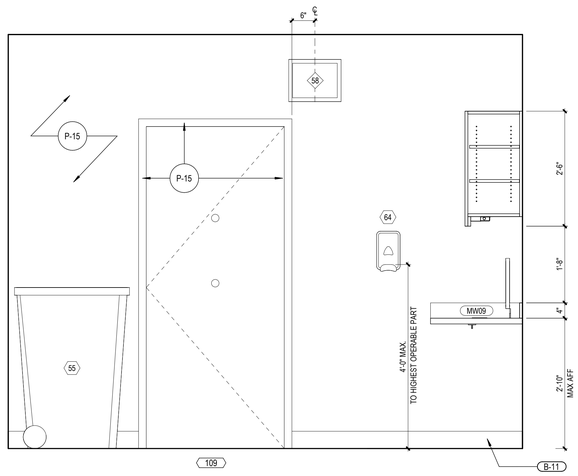
01 CSR - ELEVATION
3/4" = 1'-0"



02 CSR - ELEVATION
3/4" = 1'-0"



03 CSR - ELEVATION
3/4" = 1'-0"



04 CSR - ELEVATION
3/4" = 1'-0"

XXX

KEYNOTES

NO.	DESCRIPTION

SHEET NOTES

1. FINISH THE INTERIOR OF ENCLOSED MILLWORK CABINETS WITH CL-1, UNLESS NOTED OTHERWISE. CABINETS WITH OPEN SHELVING TO BE PLASTIC LAMINATE CL-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED SURFACES OF MILLWORK TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE.
3. PROVIDE A SIDE SPLASH FOR ALL MILLWORK COUNTERS THAT ABUT A WALL.
4. COORDINATE ALL HARDWARE KEYING WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO PLACING HARDWARE ORDER.

LEGEND

MW11	MILLWORK TAG
K	KEYED LOCK - COORDINATE WITH KEYING STANDARDS
⬡	EQUIPMENT WITHOUT POWER SUPPLY
◇	EQUIPMENT WITH POWER SUPPLY

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

8	ISSUED FOR PERMIT	03.04.26
7	ISSUED FOR CD_90	01.30.26
6	DD_F	01.13.26
3	DD_90	11.13.25
2	DD_60/COE	10.24.25
1	SD_F	10.17.25

DELTA ISSUE DESCRIPTION DATE

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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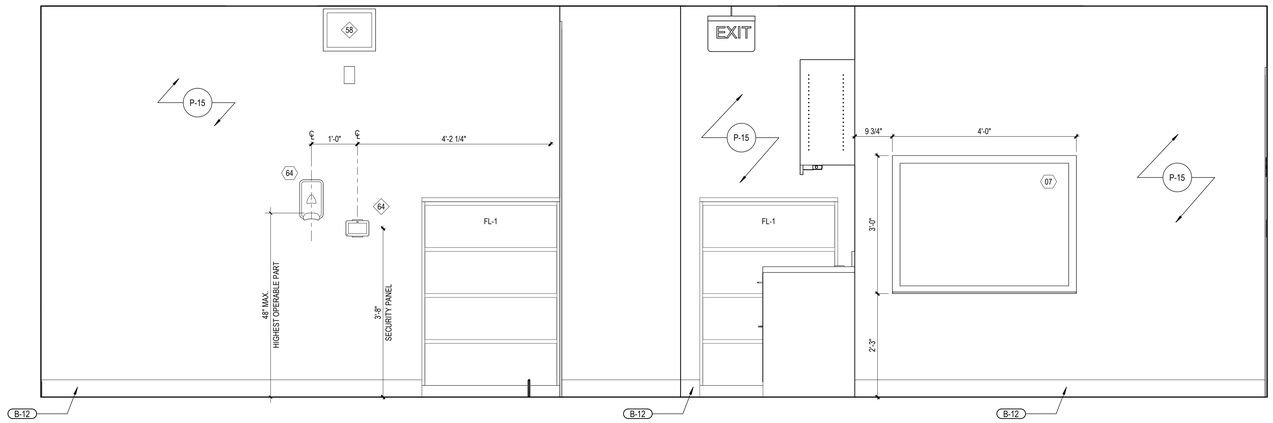
Owner Approval

47BACX.1247.069 — As indicated
Job No. — Scale

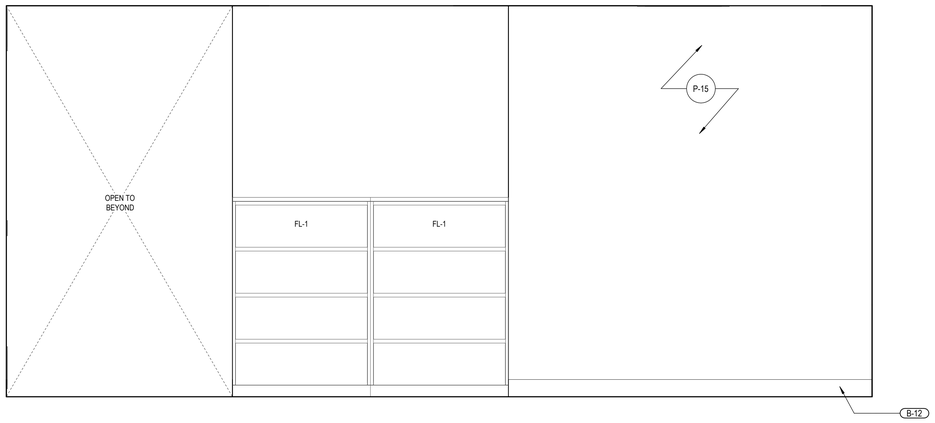
INTERIOR ELEVATIONS

A08.05

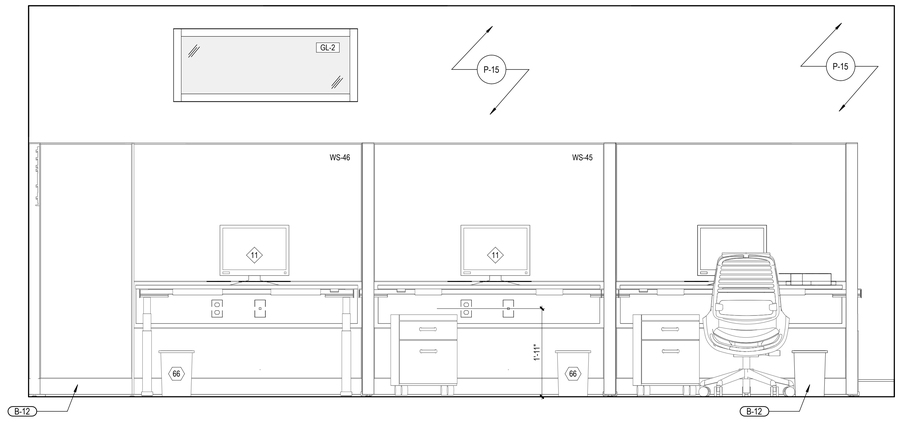
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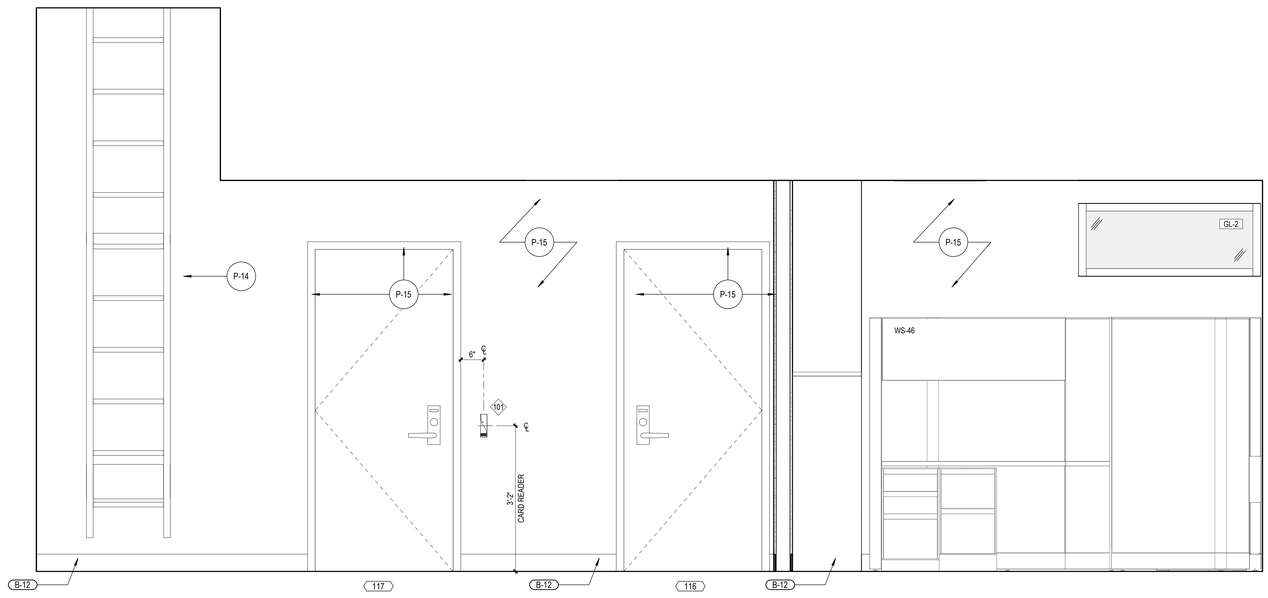
01 CALLING CUBE - ELEVATION
3/4" = 1'-0"



03 CALLING CUBE - ELEVATION
3/4" = 1'-0"



04 CALLING CUBE - ELEVATION
3/4" = 1'-0"



05 CALLING CUBE - ELEVATION
3/4" = 1'-0"

KEYNOTES

NO.	DESCRIPTION

SHEET NOTES

1. FINISH THE INTERIOR OF ENCLOSED MILLWORK CABINETS WITH CL-1, UNLESS NOTED OTHERWISE. CABINETS WITH OPEN SHELVING TO BE PLASTIC LAMINATE CL-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED SURFACES OF MILLWORK TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE.
3. PROVIDE A SIDE SPLASH FOR ALL MILLWORK COUNTERS THAT ABUT A WALL.
4. COORDINATE ALL HARDWARE KEYING WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO PLACING HARDWARE ORDER.

LEGEND

MW11	MILLWORK TAG
K	KEYED LOCK - COORDINATE WITH KEYING STANDARDS
	EQUIPMENT WITHOUT POWER SUPPLY
	EQUIPMENT WITH POWER SUPPLY

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8		ISSUED FOR PERMIT	03.04.26
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1		SD_F	10.17.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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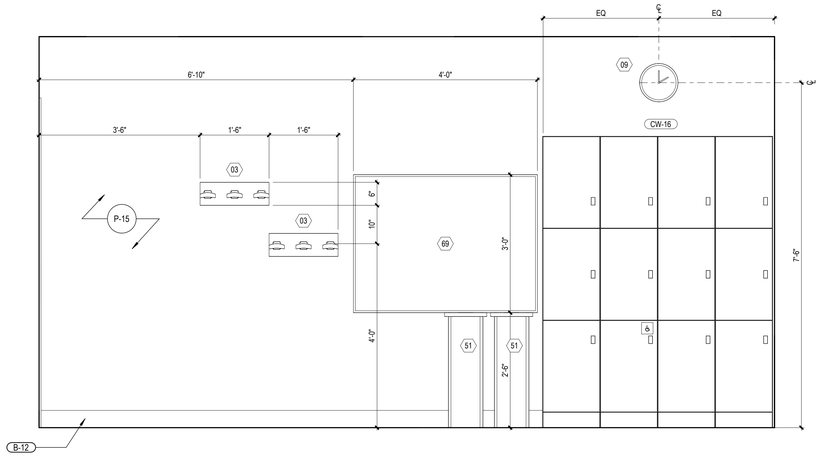
Owner Approval

47BACX.1247.069 — Job No.
As indicated — Scale

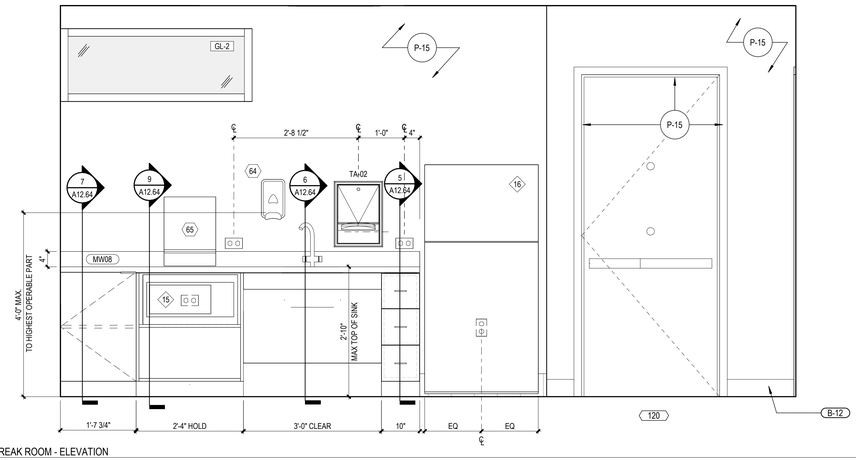
INTERIOR ELEVATIONS

A08.06

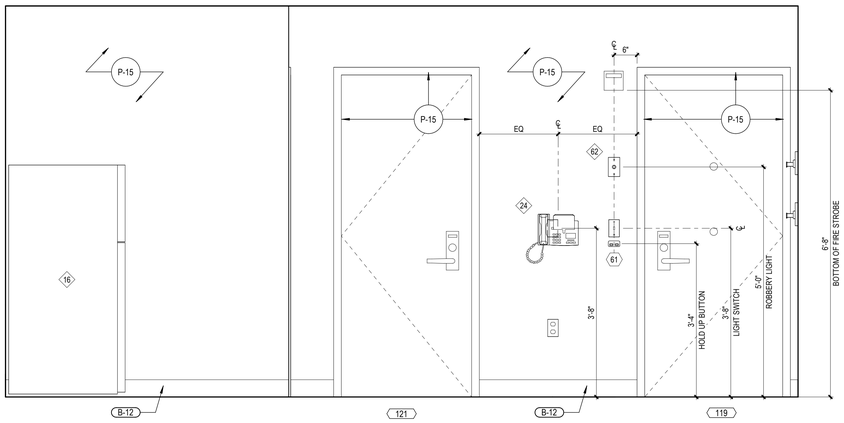
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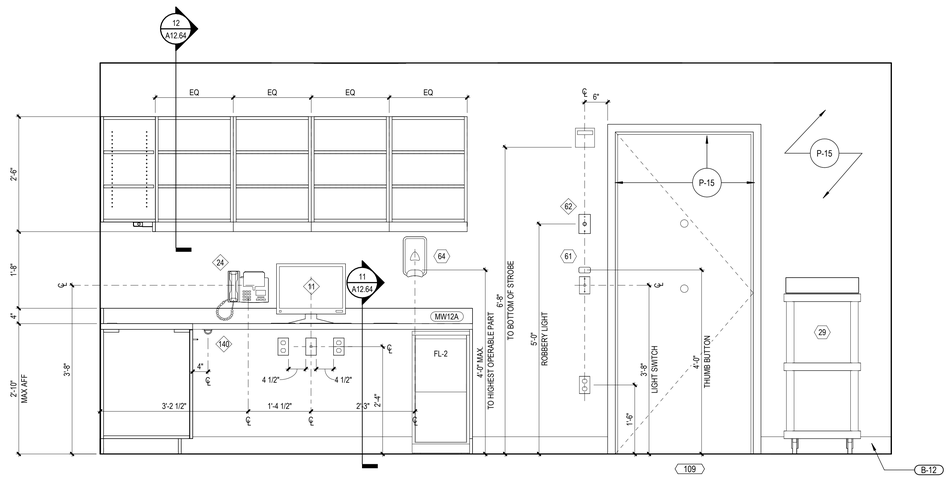
01 BREAK ROOM - ELEVATION
3/4" = 1'-0"



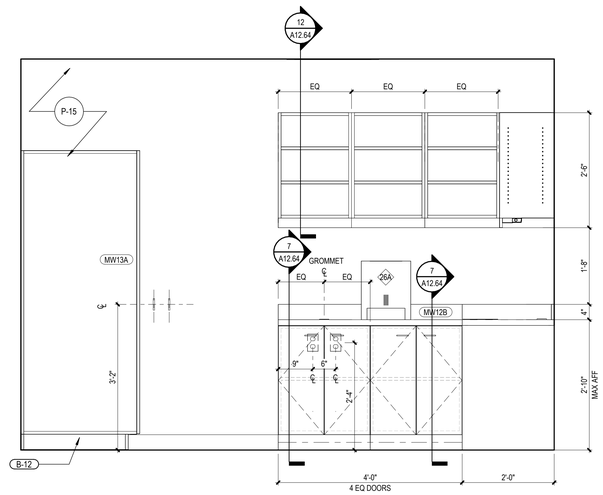
02 BREAK ROOM - ELEVATION
3/4" = 1'-0"



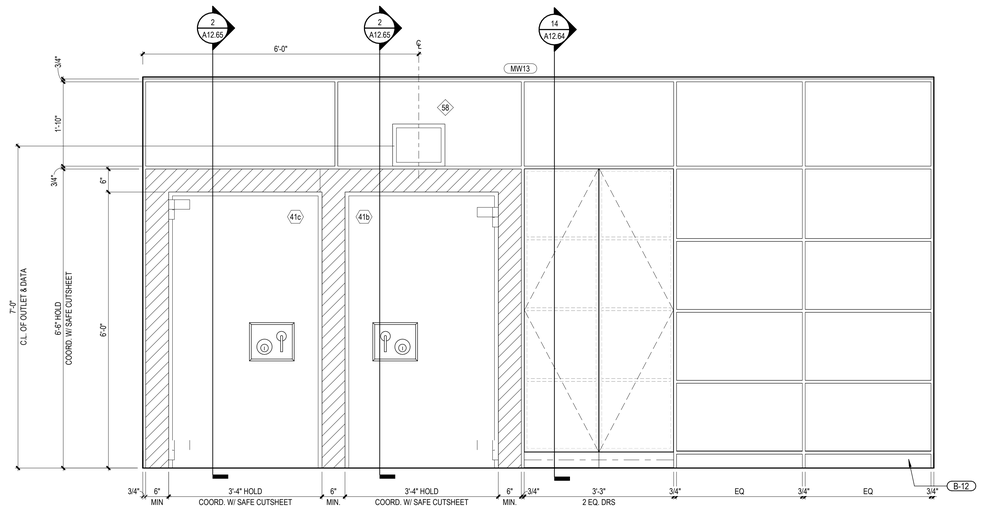
03 BREAK ROOM - ELEVATION
3/4" = 1'-0"



04 WORK ROOM - ELEVATION
3/4" = 1'-0"



05 WORK ROOM - ELEVATION 2
3/4" = 1'-0"



06 WORK ROOM - ELEVATION
3/4" = 1'-0"

KEYNOTES

XXX	
NO.	DESCRIPTION

SHEET NOTES

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3. PROVIDE A SIDE SPLASH FOR ALL MILLWORK COUNTERS THAT ABUT A WALL.
4. COORDINATE ALL HARDWARE KEYING WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO PLACING HARDWARE ORDER.

LEGEND

MW11	MILLWORK TAG
K	KEYED LOCK - COORDINATE WITH KEYING STANDARDS
	EQUIPMENT WITHOUT POWER SUPPLY
	EQUIPMENT WITH POWER SUPPLY

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
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1	SD_F	10.17.25

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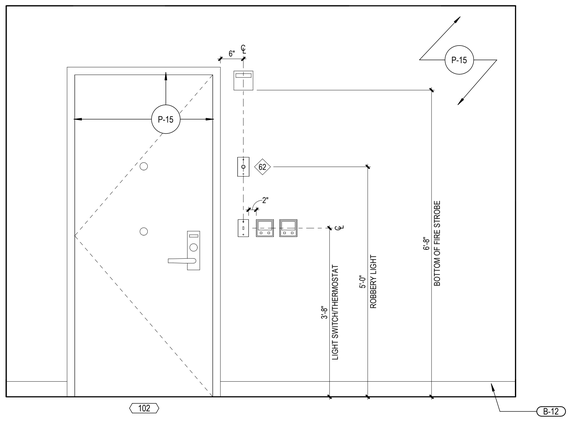
Owner Approval

47BACX.1247.069 — As indicated
Job No. — Scale

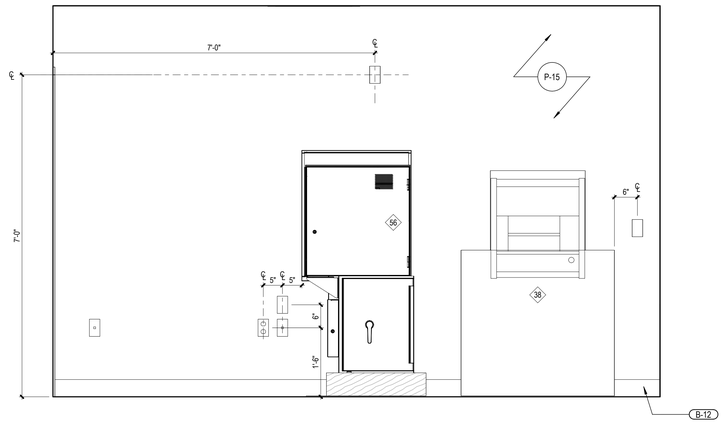
INTERIOR ELEVATIONS

A08.07

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1 ATM ROOM - ELEVATION
3/4" = 1'-0"



2 ATM ROOM - ELEVATION
3/4" = 1'-0"

3 ATM ROOM - ELEVATION
3/4" = 1'-0"

4 CALLING CUBE - ELEVATION
3/4" = 1'-0"

5 CALLING CUBE - ELEVATION
3/4" = 1'-0"

KEYNOTES

XXX	
NO.	DESCRIPTION

SHEET NOTES

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4. COORDINATE ALL HARDWARE KEYING WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO PLACING HARDWARE ORDER.

LEGEND

MW11	MILLWORK TAG
K	KEYED LOCK - COORDINATE WITH KEYING STANDARDS
	EQUIPMENT WITHOUT POWER SUPPLY
	EQUIPMENT WITH POWER SUPPLY

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
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LICENSE NUMBER: A-2004016314

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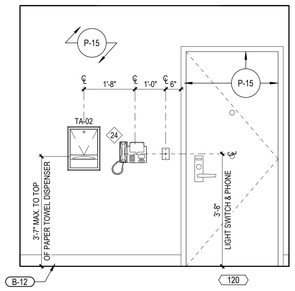
Owner Approval

47BACX.1247.069	As indicated
Job No.	Scale

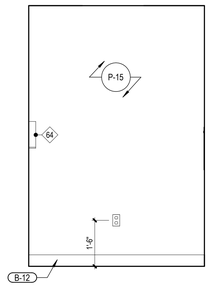
INTERIOR ELEVATIONS

A08.08

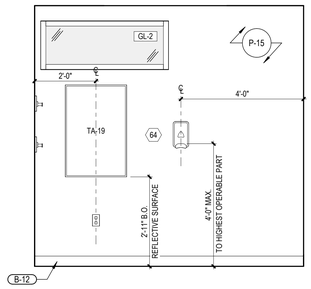
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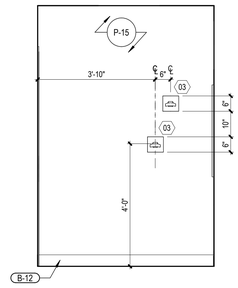
1 WELLNESS ROOM - ELEVATION
1/2" = 1'-0"



2 WELLNESS ROOM - ELEVATION
1/2" = 1'-0"



3 WELLNESS ROOM - ELEVATION
1/2" = 1'-0"



4 WELLNESS ROOM - ELEVATION
1/2" = 1'-0"

5 OFFICE - ELEVATION
1/2" = 1'-0"

6 OFFICE - ELEVATION
1/2" = 1'-0"

7 OFFICE - ELEVATION
1/2" = 1'-0"

8 OFFICE - ELEVATION
1/2" = 1'-0"

KEYNOTES

XXX	
NO.	DESCRIPTION

SHEET NOTES

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LEGEND

MW(1)	MILLWORK TAG
K	KEYED LOCK - COORDINATE WITH KEYING STANDARDS
	EQUIPMENT WITHOUT POWER SUPPLY
	EQUIPMENT WITH POWER SUPPLY

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

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Owner Approval

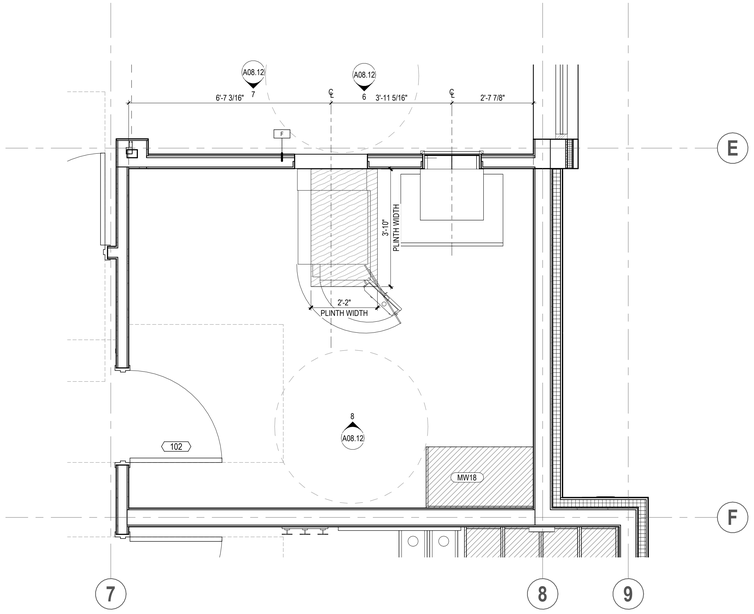
47BACX.1247.069 — Job No.
As indicated — Scale

INTERIOR ELEVATIONS

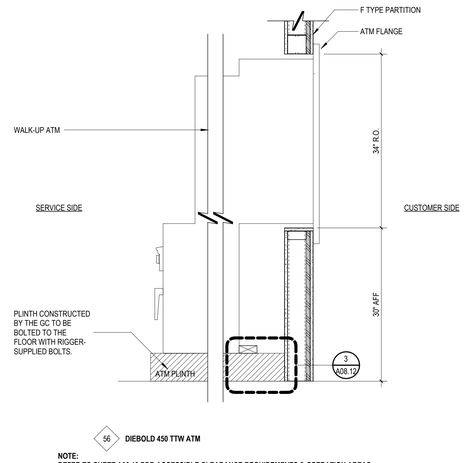
A08.09

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ATM/ND EQUIPMENT ORDERING FORM - NEW EQUIPMENT TO BE INSTALLED									
ATM MODEL	SLEEVE	CASSETTE CONFIGURATION	SURROUND	SURROUND FILLER	TOPPER	LOCATION	TARGET INSTALL DATE	KIOSK OR UNIVERSAL BUILDING	COMMENTS
DIEBOLD 450V TTW WU ATM	STD	N/A	N/A	N/A	N/A	24 HR VESTIBULE			
DIEBOLD D490V DU ISLAND ATM	N/A	N/A	FRAME-R-UB-DU-NG_3.0-D490V-EC	N/A	N/A	DRIVE THRU			
DIEBOLD D490V DU ISLAND ATM	N/A	N/A	FRAME-R-UB-DU-NG_3.0-D490V-EC	N/A	N/A	DRIVE THRU			
DIEBOLD 167 AHD	STD	N/A	N/A	N/A	N/A	24 HR VESTIBULE			

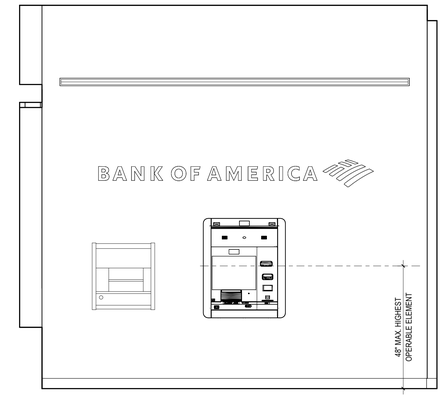


4 ATM PLAN THROUGH OPENING
1/2" = 1'-0"

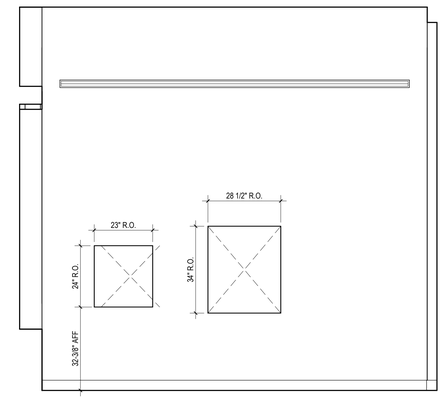


NOTE:
REFER TO SHEET A00.12 FOR ACCESSIBLE CLEARANCE REQUIREMENTS & OPERATION AREAS

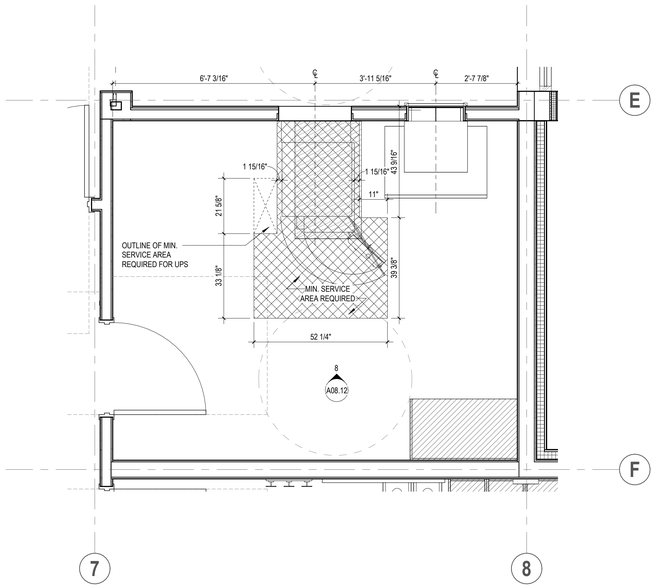
1 SECTION DETAIL @ ATM
1" = 1'-0"



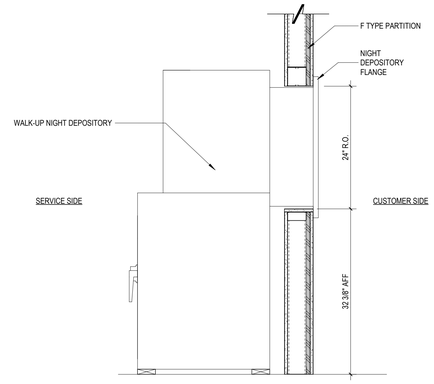
6 WALK UP ATM - FRONT ELEVATION
1/2" = 1'-0"



7 WALK UP ATMS - ROUGH OPENING
1/2" = 1'-0"

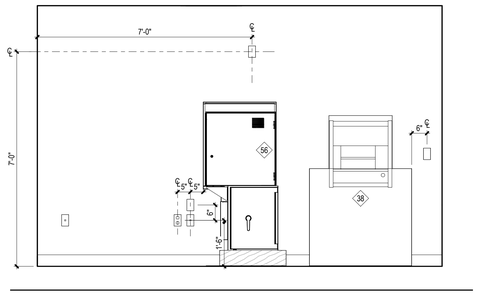


5 OVERHEAD CABINET AT ACT CEILING
1/2" = 1'-0"



NOTE:
REFER TO SHEET A00.12 FOR ACCESSIBLE CLEARANCE REQUIREMENTS & OPERATION AREAS

2 SECTION DETAIL @ ND
1" = 1'-0"

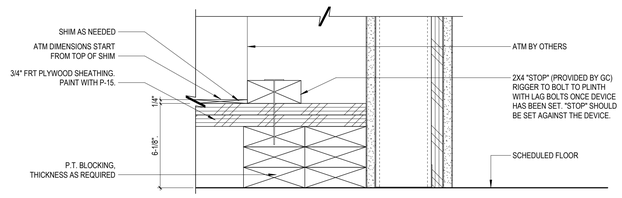


8 WALK UP ATMS - REAR ELEVATION
1/2" = 1'-0"

PLINTH TO BE PROVIDED BY G.C.. HEIGHT AS REQUIRED PER DEVICE AND CONDITIONS. AOR TO PROVIDE DIMENSION BASED ON EXPECTED CONDITIONS. G.C. TO VERIFY WITH AOR AND PJM PRIOR TO PLINTH CONSTRUCTION.

PLINTH TO BE CONSTRUCTED WITH 2X4 LAID FLAT, 4X4 OR 4X6 FIRE TREATED LUMBER WITH
1 1/8" PLYWOOD TOP. PAINT PLINTH WITH P-15 (BM OC-152 SUPER WHITE).

PLINTH/BASE MUST BE ON SITE, PAINTED AND IN PLACE PRIOR TO ATM INSTALLATION DATE. G.C. SHALL HAVE VARIOUS SIZED PLYWOOD THICKNESS (1/4"-5/8") FOR THE TOP SURFACE ON SITE AND WORKERS READY IF ANY FIELD ADJUSTMENT NEEDED FOR PROPER ATM INSTALLATION. COORDINATE EXACT HEIGHT OF PLINTH UPON DELIVERY OF ATM. BE PREPARED TO FIELD ADJUST IN REAL TIME. COORDINATE WITH BANK'S ATM INSTALLER.



3 ATM PLINTH DETAIL
3" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
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7	ISSUED FOR CD_90		01.30.26
6	DD_F		01.13.26
3	DD_90		11.13.25
2	DD_60/COE		10.24.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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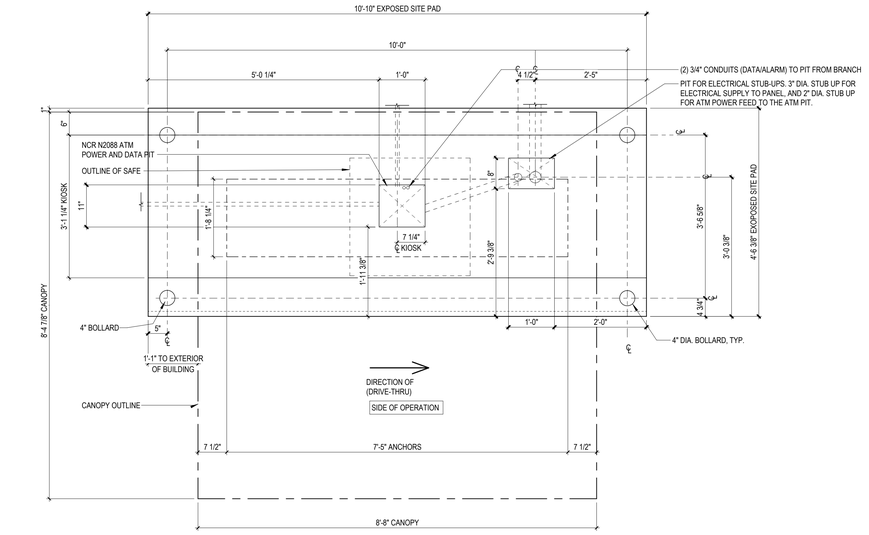
Owner Approval

47BACX.1247.069 — As indicated
Job No. — Scale

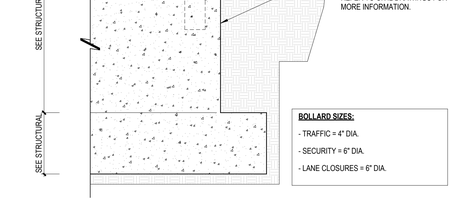
TYPICAL ATM & NIGHT DEPOSITORY DETAILS

A08.12

3/5/2026 12:10:48 PM 022.0.0.61



1 STANDARD PAD/PIT DETAIL
3/4" = 1'-0"



3 TYPICAL BOLLARD DETAIL
1" = 1'-0"

BANK OF AMERICA

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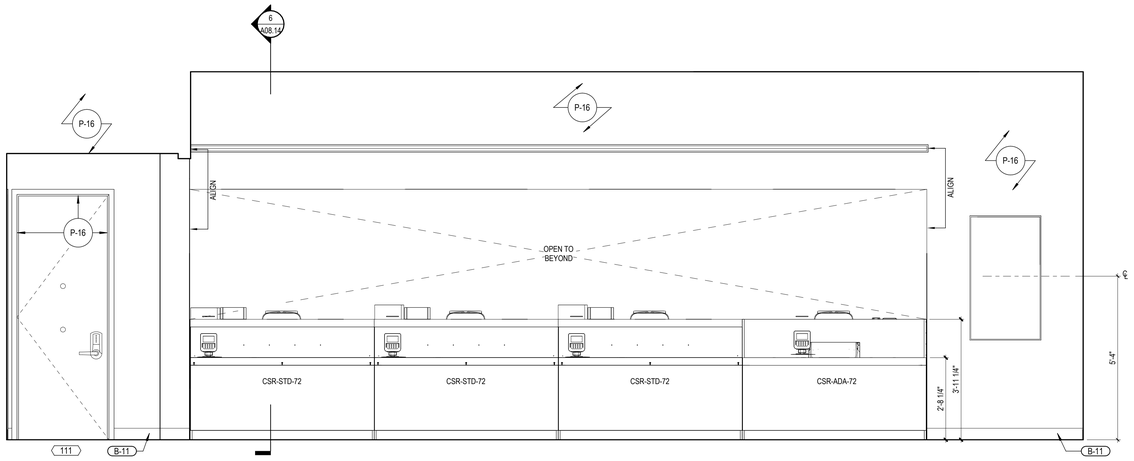
Owner Approval

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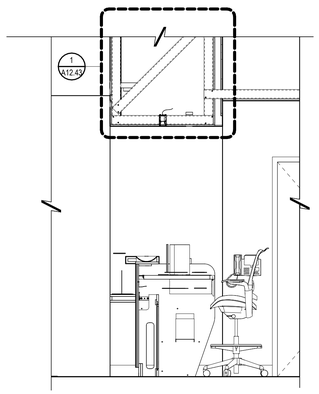
TYPICAL DRIVE-UP ATM DETAILS

A08.13

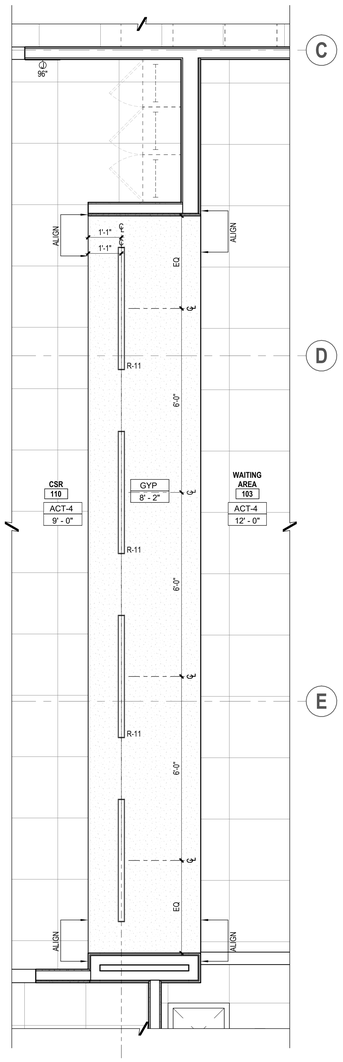
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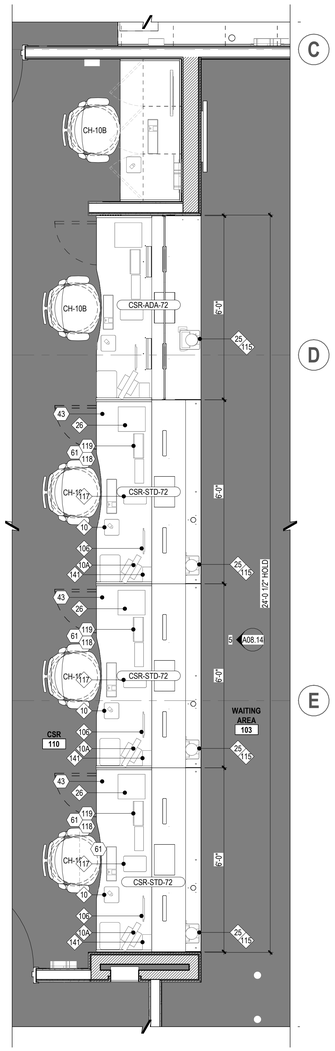


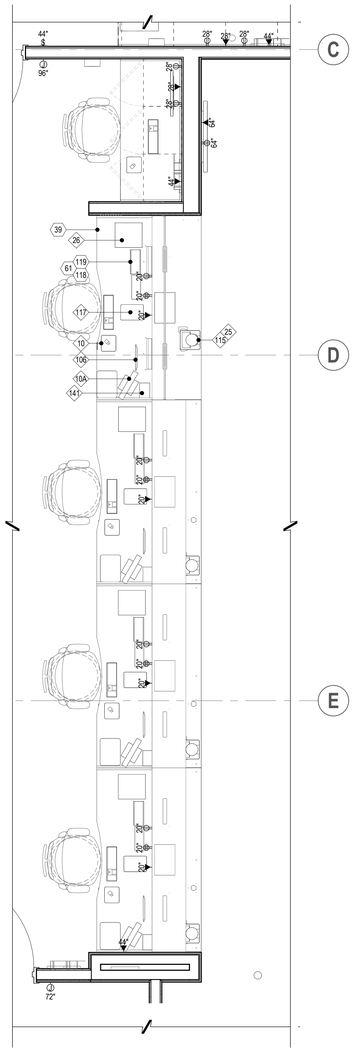
5 LOBBY - ELEVATION
1/2" = 1'-0"

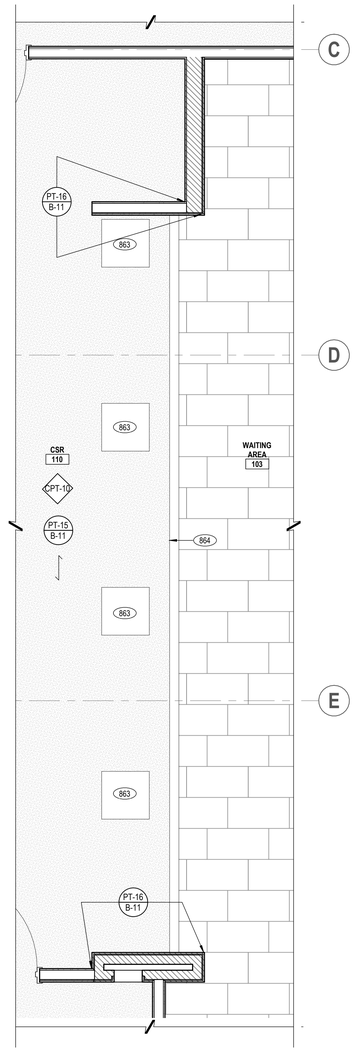


6 CSR LINE SECTION
1/2" = 1'-0"









1 REFLECTED CEILING PLAN - CSR
1/2" = 1'-0"

3 CONSTRUCTION/FURNITURE PLAN - CSR LINE
1/2" = 1'-0"

2 POWER AND COMMUNICATION PLAN - CSR
1/2" = 1'-0"

4 FINISH FLOOR - CSR
1/2" = 1'-0"

KEYNOTES

(XXX)

NO.	DESCRIPTION
863	MILLWORK AND UNDERCOUNTER STEEL SHALL BE INSTALLED DIRECTLY TO SLAB.
864	CENTRAL ZONE FLOOR FINISH SHALL EXTEND TO FACE OF TELLER LINE MILLWORK.

SHEET NOTES

1. FINISH THE INTERIOR OF ENCLOSED MILLWORK CABINETS WITH CL-1, UNLESS NOTED OTHERWISE. CABINETS WITH OPEN SHELVING TO BE PLASTIC LAMINATE CL-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED SURFACES OF MILLWORK TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE.
3. PROVIDE A SIDE SPLASH FOR ALL MILLWORK COUNTERS THAT ABUT A WALL.
4. COORDINATE ALL HARDWARE KEYING WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO PLACING HARDWARE ORDER.

LEGEND

MW11	MILLWORK TAG
K	KEYED LOCK - COORDINATE WITH KEYING STANDARDS
⬡	EQUIPMENT WITHOUT POWER SUPPLY
◇	EQUIPMENT WITH POWER SUPPLY

BANK OF AMERICA

CHIPMAN

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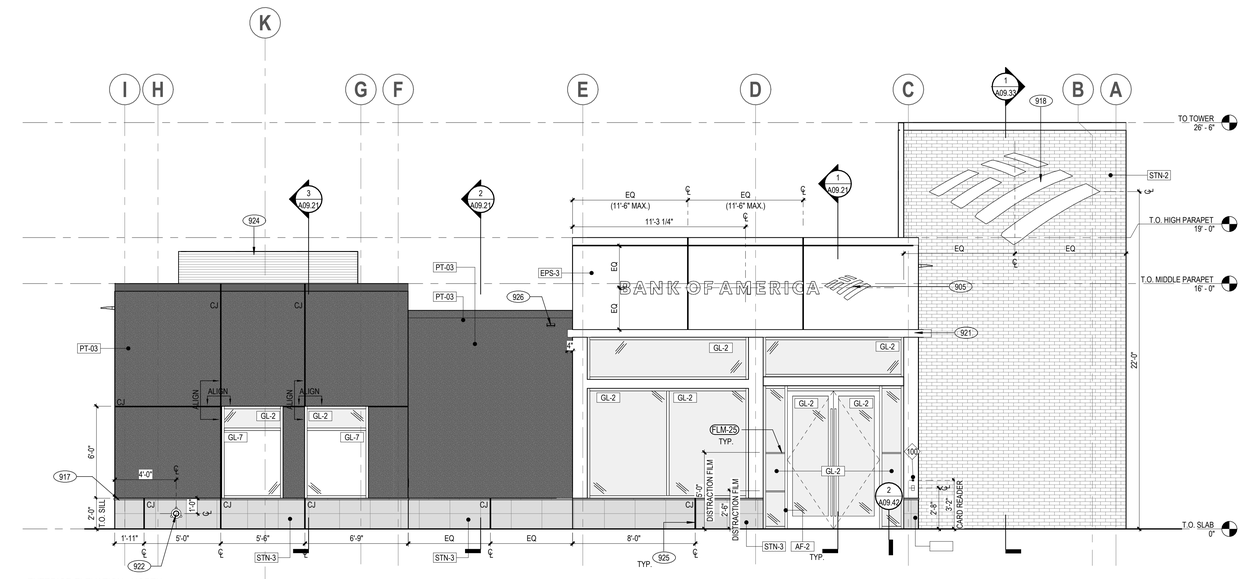
Owner Approval

47BACX.1247.069 — Job No.
As indicated — Scale

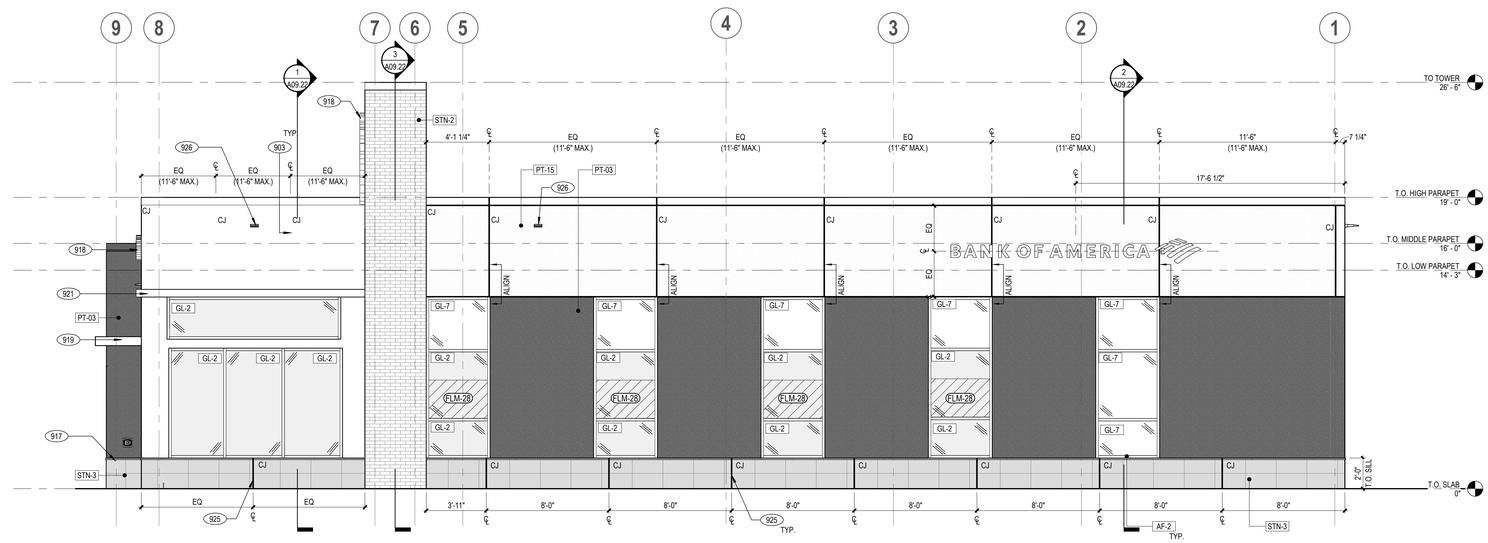
CSR DOUBLE LINE

A08.14

3/4/2026 3:00:05 PM RSS:8:91



1 EXTERIOR ELEVATION - NORTH
1/4" = 1'-0"



2 EXTERIOR ELEVATION - WEST
1/4" = 1'-0"

KEYNOTES

NO.	DESCRIPTION
903	CONTORL JOINT. REFER TO DETAILS.
905	ELEC/DATA MAIN PANEL.REFER TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
917	STONE VENEER SILL CAP.
918	EXTERIOR SIGNAGE. UNDER SEPARATE PERMIT.
919	ENTRY CANOPY BEYOND.
921	CUSTOM METAL PANEL "EYE BROW" FASCIA AND COPING (TO MATCH EPS-3). REFER TO EXTERIOR DETAILS FOR MORE INFORMATION.
922	THRU-WALL OVERFLOW DRAIN. REFERENCE PLUMBING AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION AND PRIMARY TO STORM. SEAL ALL PENETRATIONS AT EXTERIOR SHEATHING AND TIE INTO THE AIR BARRIER.
924	PROPOSED BUILDING INTEGRATED MECHANICAL ROOF SCREEN. BASIS OF DESIGN: ARCHITECTURAL LOUVERS V2KS. METAL PANEL COLOR TO MATCH EPS-3. REFER TO STRUCTURAL FOR ATTACHMENT TO ROOF STRUCTURE: FINAL HEIGHT TO BE COORDINATED WITH ROOFTOP MECHANICAL EQUIPMENT..
925	EXTERIOR STONE VENEER CONTROL JOINT. PROVIDE 3/8" TOOLED SEALANT IN LIEU OF GROUT. SEALANT COLOR TO MATCH STONE FINISH.
926	EXTERIOR LIGHTING. SEE ENGINEERING DRAWINGS FOR INFORMATION.

EXTERIOR FINISH SCHEDULE

STOREFRONT

ALUMINUM STOREFRONT

AF-2	ALUMINUM STOREFRONT SYSTEM: CLEAR ANODIZED ALUMINUM. REFER TO A00.51 FOR DIMENSIONS AND GLAZING TYPES.

EXTERIOR FINISHES

CEMENT PLASTER

PT-03	MANUFACTURER: PAREX USA PREMIER STUCCO PRODUCT: PAREX ARMORWALL 300 STUCCO ASSEMBLY FINISH: MATCH BENJAMIN MOORE CHARCOAL SLATE FLAT
PT-15	MANUFACTURER: PAREX USA PREMIER STUCCO PRODUCT: PAREX ARMORWALL 300 STUCCO ASSEMBLY FINISH: MATCH CITADEL ENVELOPE ARCTIC WHITE FLAT

EXTERIOR METAL PANEL CLADDING SYSTEM

EPS-3	MANUFACTURER: CITADEL PRODUCT: ENVELOPE 2000 RAINSCREEN SYSTEM FINISH: ARCTIC WHITE SATIN
EPS-8	MANUFACTURER: CITADEL PRODUCT: ENVELOPE 2000 REVEAL (RV) SYSTEM FINISH: ARCTIC WHITE SATIN

EXTERIOR STONE CLADDING SYSTEM

STN-2	MANUFACTURER: BRICKIT PRODUCT: RUNNING BOND BRICK FINISH: WHITE
STN-3	MANUFACTURER: ECHELON MASONRY PRODUCT: 12x24, 1" CORDOVA STONE VENEER W/ GRIDWORX SK VENTILATED FACADE CLADDING SYSTEM FINISH: GRANITE, GROUND FACE

GLAZING

GL-2	1" CLEAR TEMPERED INSULATED GLAZING AS SPECIFIED
GL-7	1" INSULATED BACK-PAINTED SPANDRAL GLAZING PANEL FINISH: TO MATCH AF-2

BREAK METAL FLASHING

BM-1	BRAKE METAL AT EPS-3 & PT-15 COLOR SHALL MATCH WALL FINISH PER SAMPLE
BM-2	BRAKE METAL BASE AT STN-2 COLOR SHALL MATCH WALL FINISH PER SAMPLE
BM-3	BRAKE METAL BASE AT STN-3 COLOR SHALL MATCH WALL FINISH PER SAMPLE
BM-4	BRAKE METAL BASE AT PT-03 COLOR SHALL MATCH WALL FINISH PER SAMPLE
BM-5	BRAKE METAL BASE AT AF-2 COLOR SHALL MATCH WALL FINISH PER SAMPLE

EXTERIOR SEALANT COLOR

GLAZING AT STOREFRONT	MATCH STOREFRONT
METAL PANEL SIDING (EPS-3)	MATCH METAL PANEL
STONE CLADDING (STN-2 AND STN-3)	MATCH STONE
CEMENT PLASTER (PT-03 & PT-15)	MATCH CEMENT PLASTER

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI · THOMAS E TOWERS · NUMBER A-2004016314 · ARCHITECT

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1	SD_F		10.17.25

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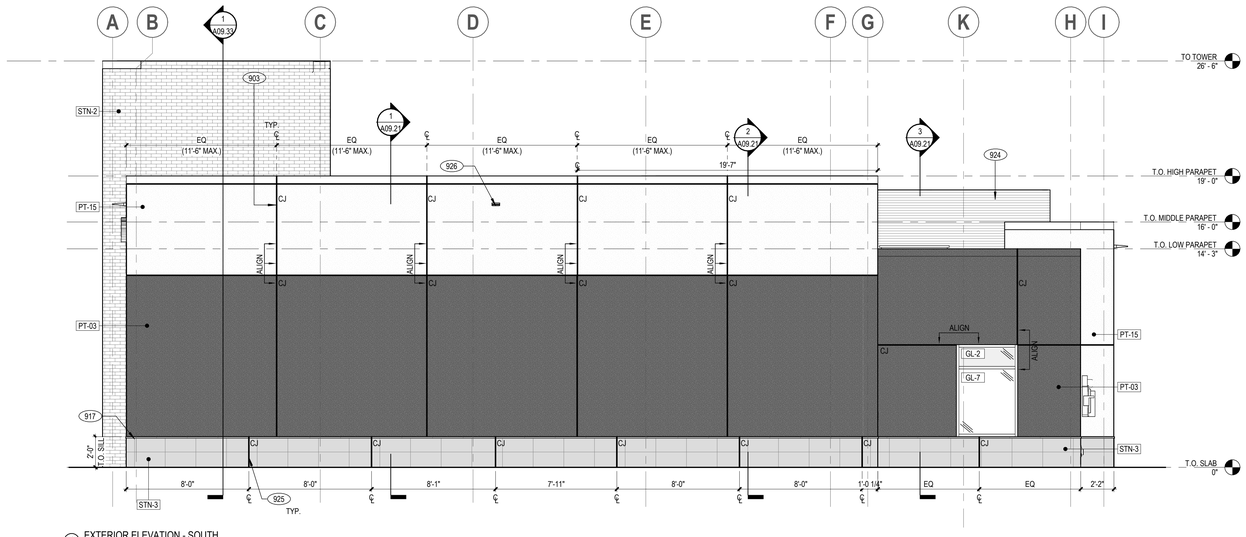
Owner Approval

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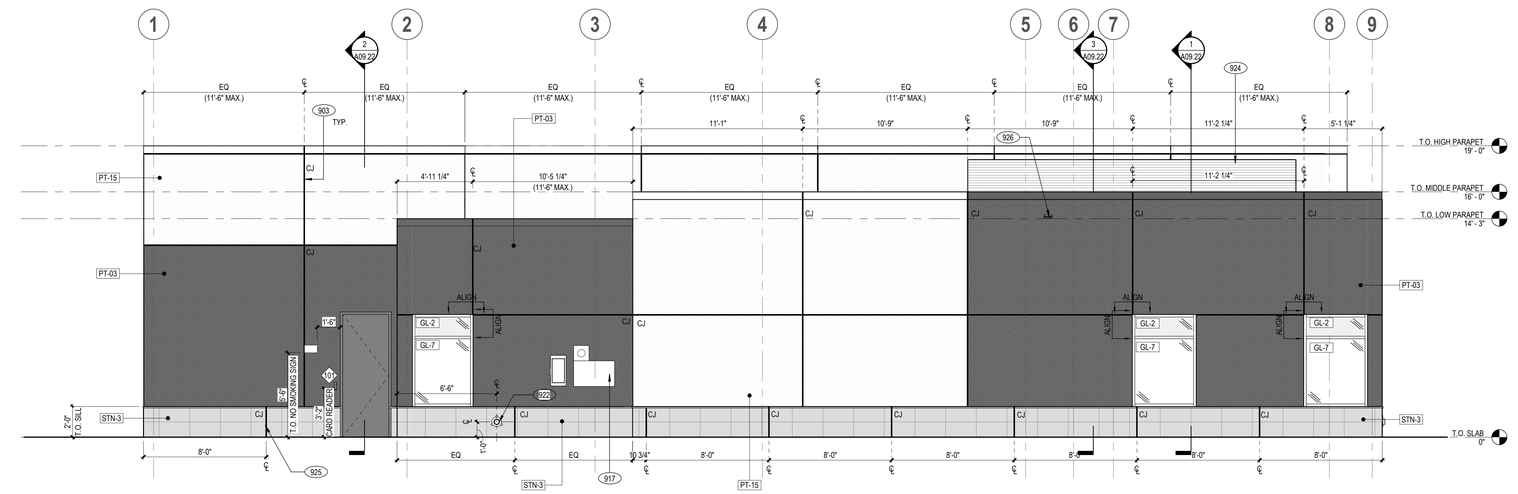
EXTERIOR ELEVATIONS

A09.11

3/4/2026 12:09:37 PM 9/25/2025



1 EXTERIOR ELEVATION - SOUTH
1/4" = 1'-0"



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

KEYNOTES

XXX NO.	DESCRIPTION
903	CONTORL JOINT. REFER TO DETAILS.
917	STONE VENEER SILL CAP.
922	THRU-WALL OVERFLOW DRAIN. REFERENCE PLUMBING AND CIVIL DRAWINGS FOR ADDITIONAL INFORMATION AND PRIMARY TO STORM. SEAL ALL PENETRATIONS AT EXTERIOR SHEATHING AND TIE INTO THE AIR BARRIER.
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926	EXTERIOR LIGHTING. SEE ENGINEERING DRAWINGS FOR INFORMATION.

EXTERIOR FINISH SCHEDULE

STOREFRONT

ALUMINUM STOREFRONT

AF-2	ALUMINUM STOREFRONT SYSTEM: CLEAR ANODIZED ALUMINUM. REFER TO A00.51 FOR DIMENSIONS AND GLAZING TYPES.

EXTERIOR FINISHES

CEMENT PLASTER

PT-03	MANUFACTURER: PAREX USA PREMIER STUCCO PRODUCT: PAREX ARMORWALL 300 STUCCO ASSEMBLY FINISH: MATCH BENJAMIN MOORE CHARCOAL SLATE FLAT
PT-15	MANUFACTURER: PAREX USA PREMIER STUCCO PRODUCT: PAREX ARMORWALL 300 STUCCO ASSEMBLY FINISH: MATCH CITADEL ENVELOPE ARCTIC WHITE FLAT

EXTERIOR METAL PANEL CLADDING SYSTEM

EPS-3	MANUFACTURER: CITADEL PRODUCT: ENVELOPE 2000 RAINSCREEN SYSTEM FINISH: ARCTIC WHITE SATIN
EPS-8	MANUFACTURER: CITADEL PRODUCT: ENVELOPE 2000 REVEAL (RV) SYSTEM FINISH: ARCTIC WHITE SATIN

EXTERIOR STONE CLADDING SYSTEM

STN-2	MANUFACTURER: BRICKIT PRODUCT: RUNNING BOND BRICK FINISH: WHITE
STN-3	MANUFACTURER: ECHELON MASONRY PRODUCT: 12x24, 1" CORDOVA STONE VENEER W/ GRIDWORX SK VENTILATED FACADE CLADDING SYSTEM FINISH: GRANITE, GROUND FACE

GLAZING

GL-2	1" CLEAR TEMPERED INSULATED GLAZING AS SPECIFIED
GL-7	1" INSULATED BACK-PAINTED SPANDRAL GLAZING PANEL FINISH: TO MATCH AF-2

BREAK METAL FLASHING

BM-1	BRAKE METAL AT EPS-3 & PT-15 COLOR SHALL MATCH WALL FINISH PER SAMPLE
BM-2	BRAKE METAL BASE AT STN-2 COLOR SHALL MATCH WALL FINISH PER SAMPLE
BM-3	BRAKE METAL BASE AT STN-3 COLOR SHALL MATCH WALL FINISH PER SAMPLE
BM-4	BRAKE METAL BASE AT PT-03 COLOR SHALL MATCH WALL FINISH PER SAMPLE
BM-5	BRAKE METAL BASE AT AF-2 COLOR SHALL MATCH WALL FINISH PER SAMPLE

EXTERIOR SEALANT COLOR

GLAZING AT STOREFRONT	MATCH STOREFRONT
METAL PANEL SIDING (EPS-3)	MATCH METAL PANEL
STONE CLADDING (STN-2 AND STN-3)	MATCH STONE
CEMENT PLASTER (PT-03 & PT-15)	MATCH CEMENT PLASTER

BANK OF AMERICA

CHIPMAN

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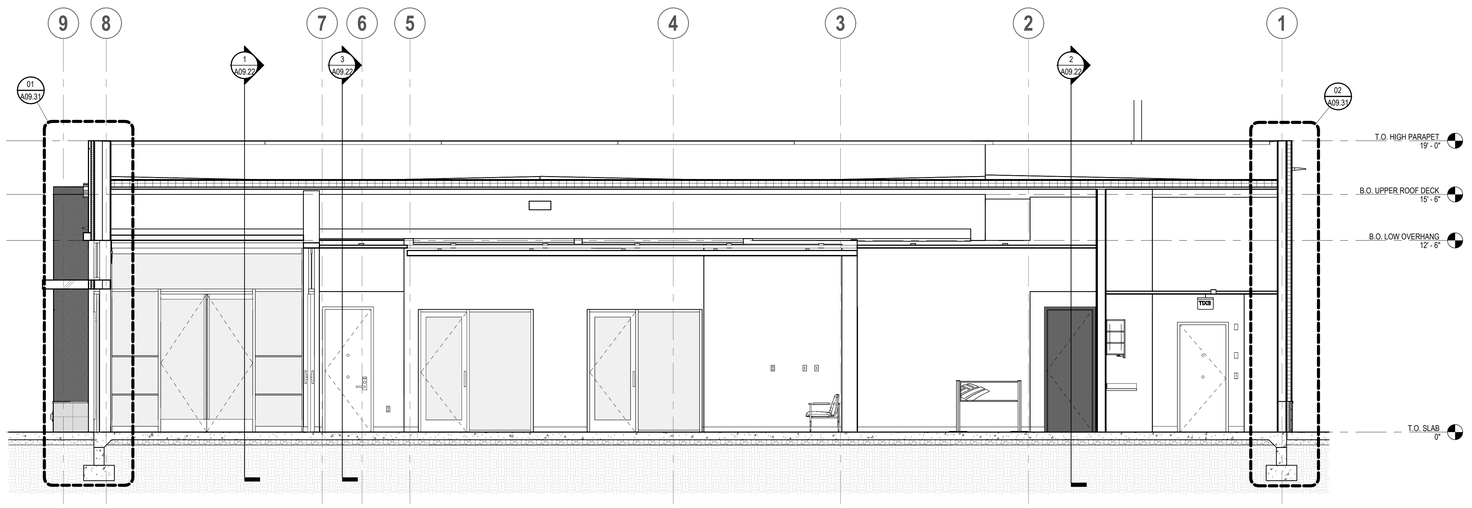
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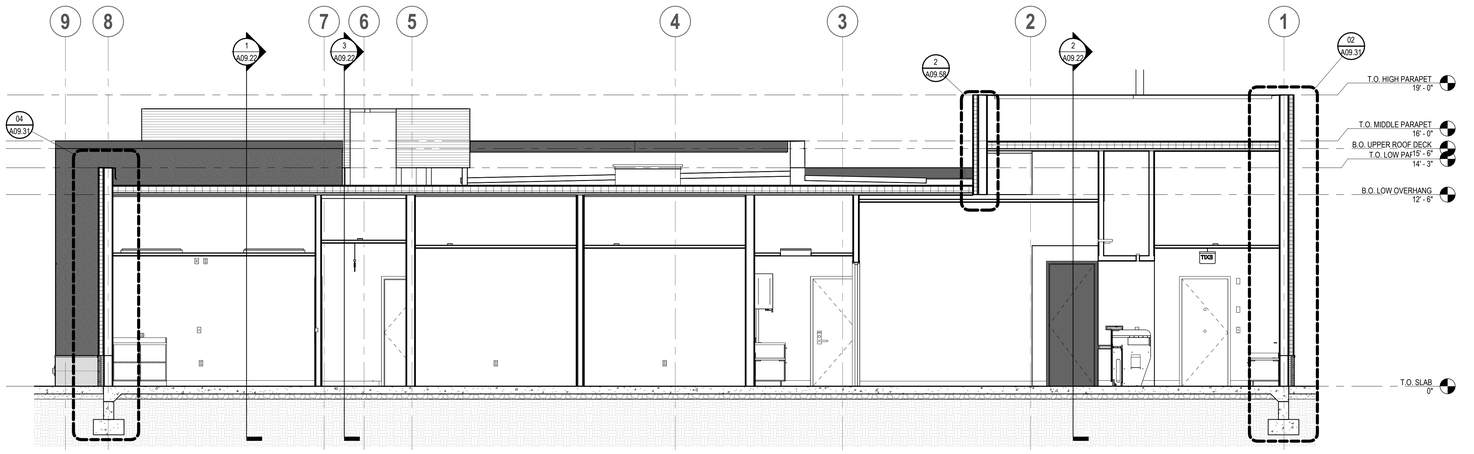
EXTERIOR ELEVATIONS

A09.12

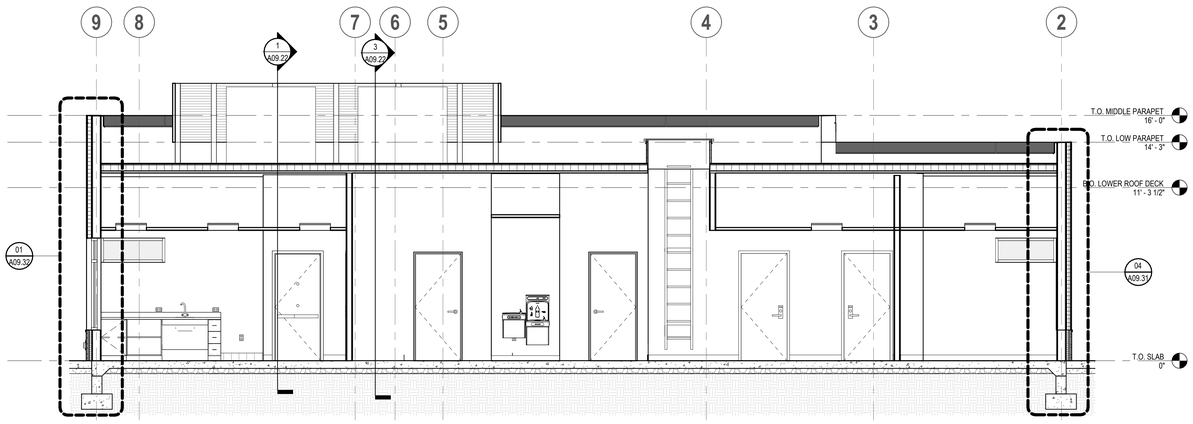
3/4/2026 1:01:03 PM RCS:2.0.51



1 LONGITUDINAL BUILDING SECTION 01
1/4" = 1'-0"



2 LONGITUDINAL BUILDING SECTION 02
1/4" = 1'-0"



3 LONGITUDINAL BUILDING SECTION 03
1/4" = 1'-0"

KEYNOTES

XXX

NO.	DESCRIPTION

BANK OF AMERICA

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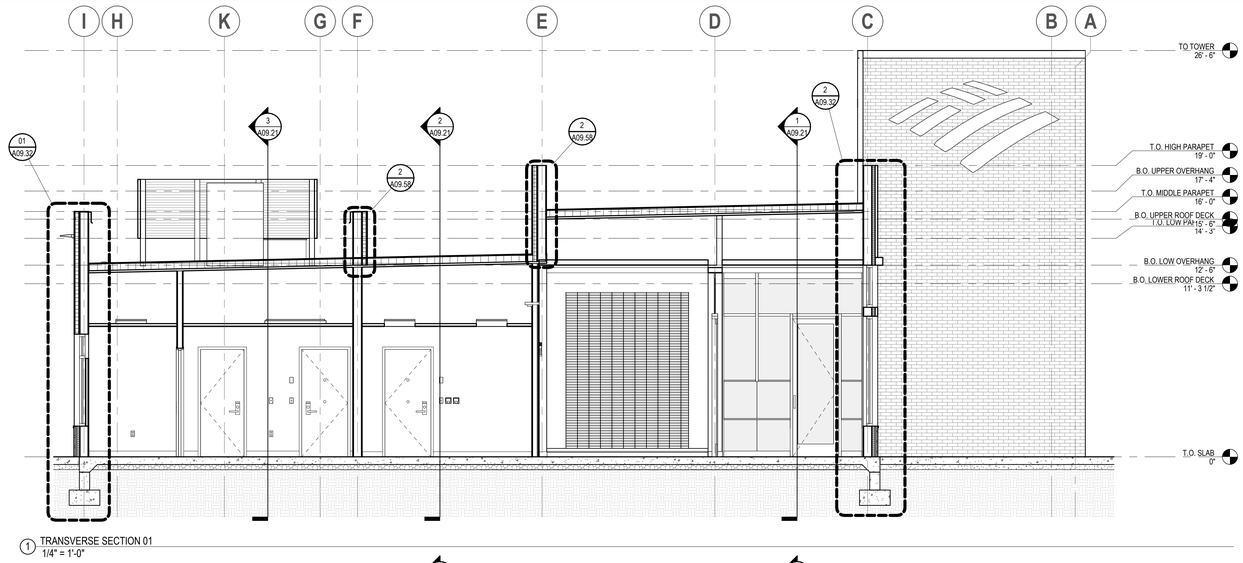
Owner Approval

47BACX.1247.069 — Job No.
1/4" = 1'-0" — Scale

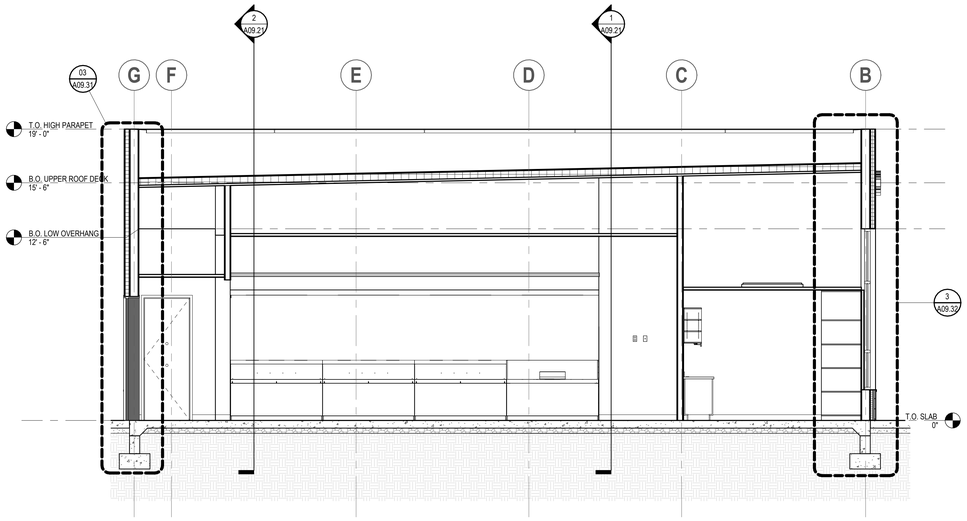
BUILDING SECTIONS

A09.21

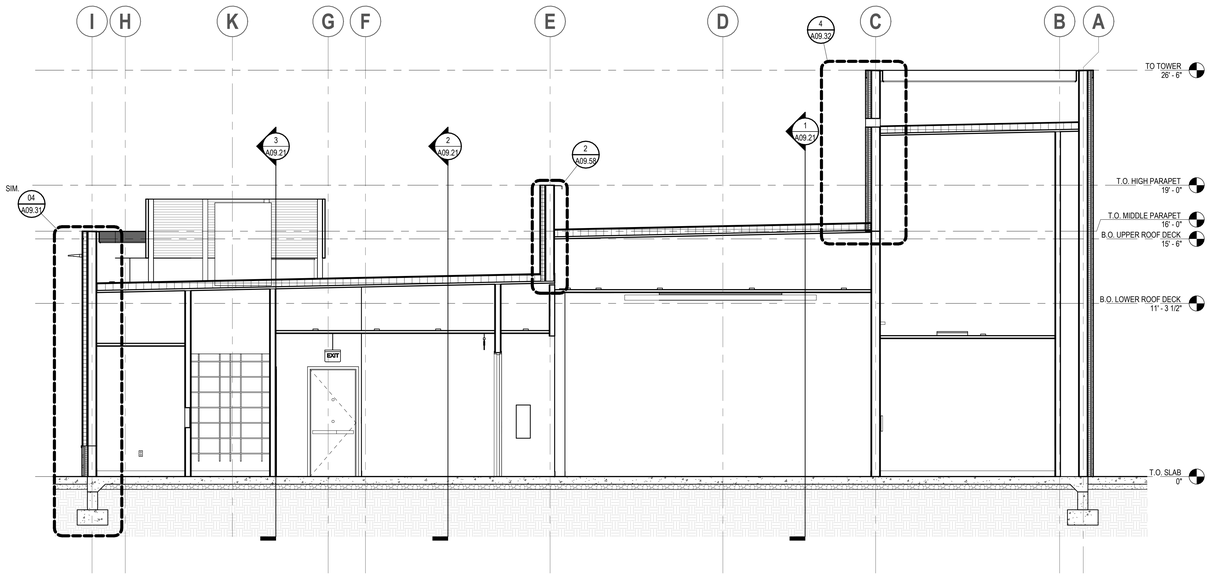
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1 TRANSVERSE SECTION 01
1/4" = 1'-0"



2 TRANSVERSE SECTION 02
1/4" = 1'-0"



3 TRANSVERSE SECTION 03
1/4" = 1'-0"

3/4/2026 12:01:11 PM A09.22.dgn

KEYNOTES

XXX	
NO.	DESCRIPTION

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8	ISSUED FOR PERMIT		03.04.26
7	ISSUED FOR CD_90		01.30.26
6	DD_F		01.13.26
3	DD_90		11.13.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

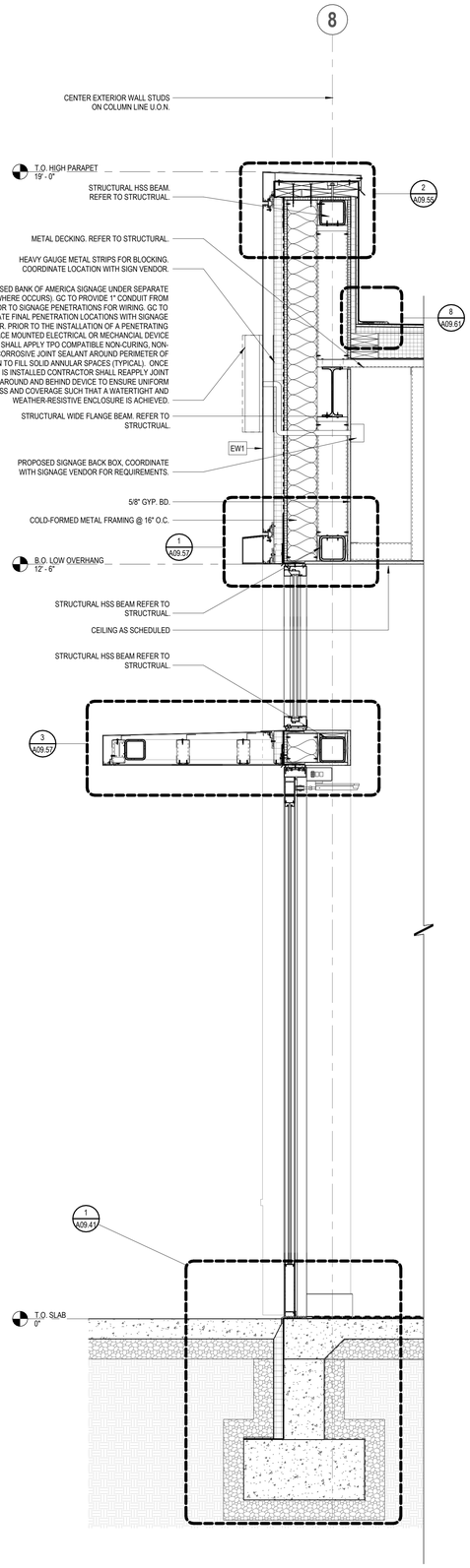
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Owner Approval

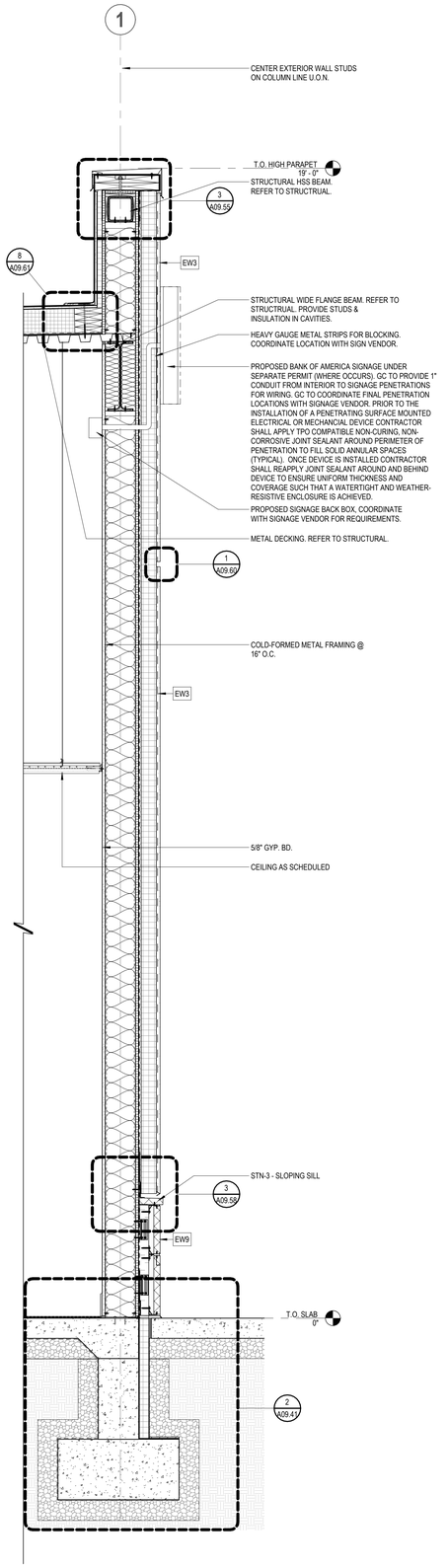
47BACX.1247.069 — Job No.
1/4" = 1'-0" — Scale

BUILDING SECTIONS

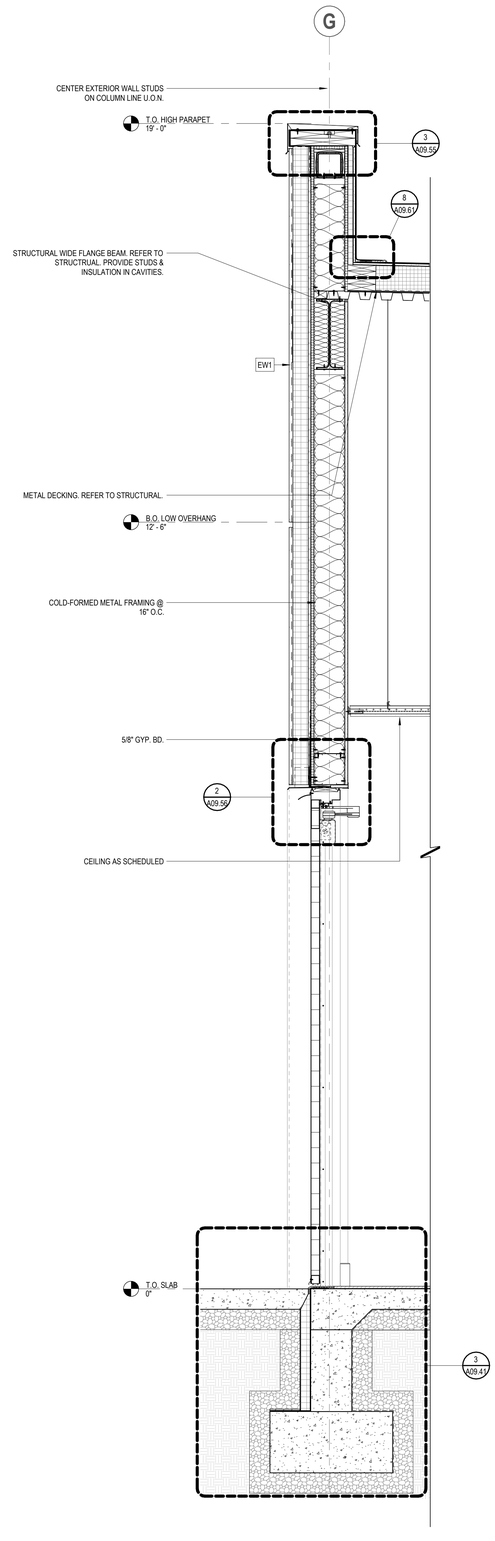
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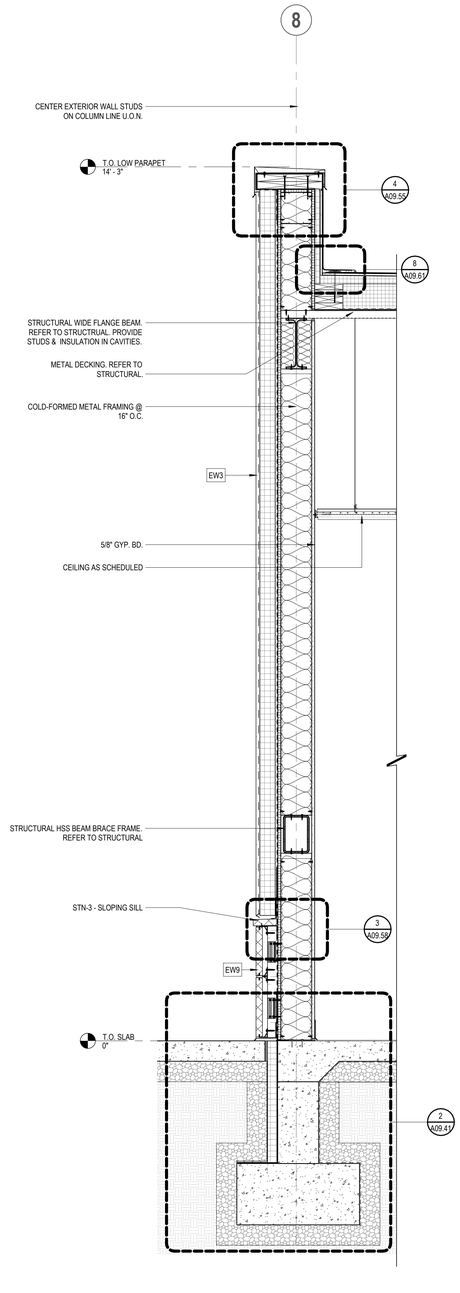
01 EXTERIOR WALL SECTION 01
1" = 1'-0"



02 EXTERIOR WALL SECTION 02
1" = 1'-0"



03 EXTERIOR WALL SECTION 03
1" = 1'-0"



04 EXTERIOR WALL SECTION 04
1" = 1'-0"

3/4/2026 1:01:13 PM R23.2.0.51

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI THOMAS E TOWERS NUMBER A-2004016314 ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8		ISSUED FOR PERMIT	03.04.26
7		ISSUED FOR CD_90	01.30.26
3		DD_90	11.13.25

INTERIOR ARCHITECTS

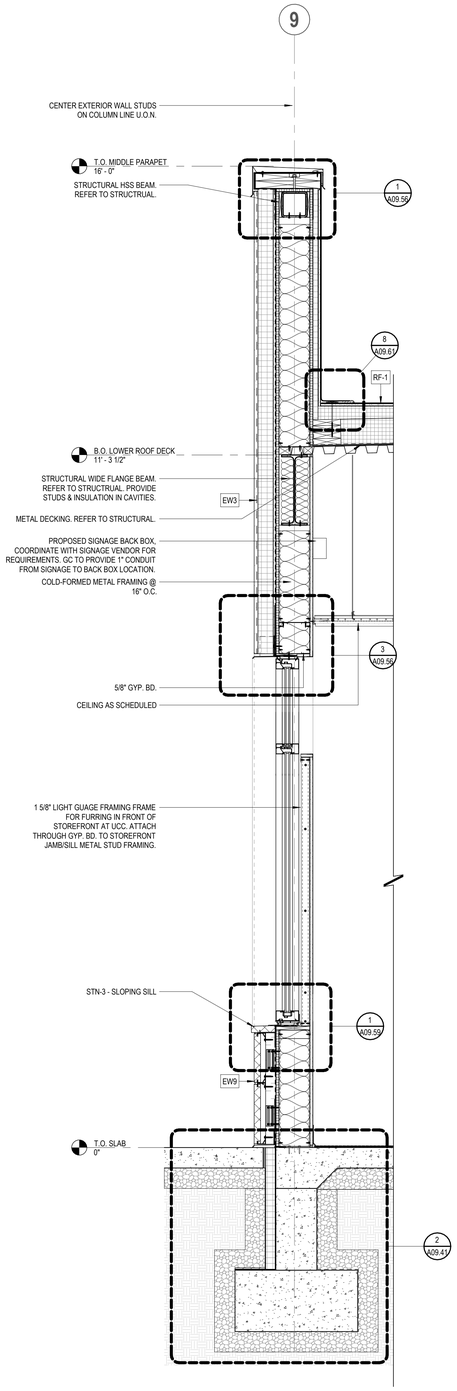
CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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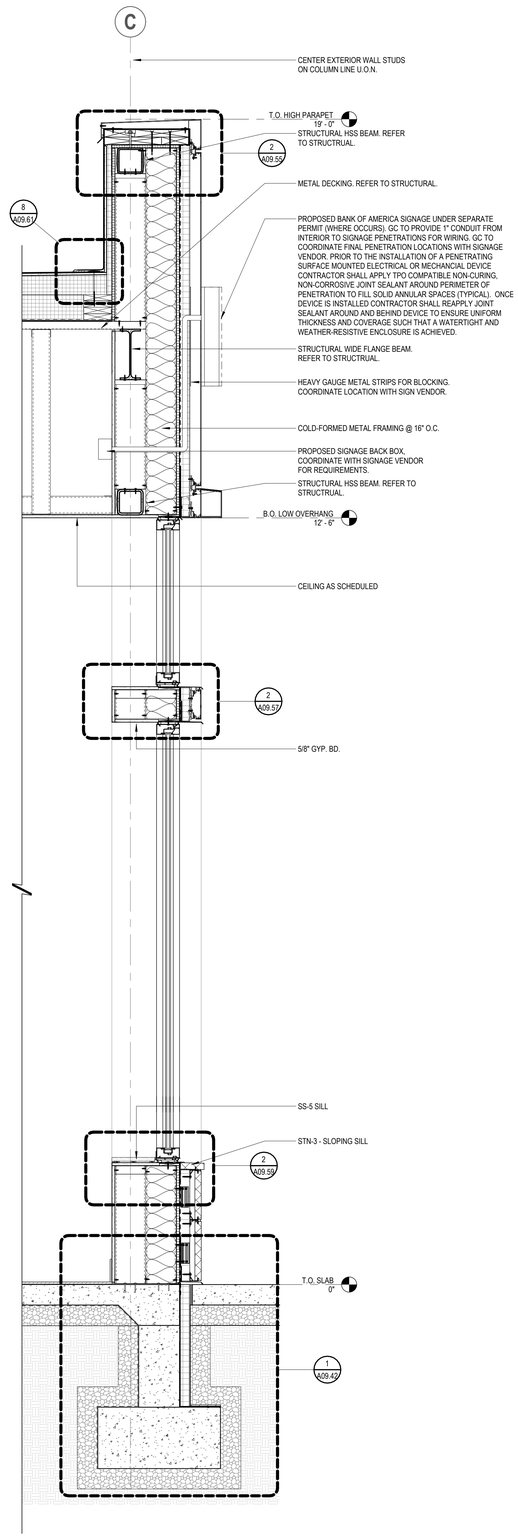
Owner Approval
47BACX.1247.069 — Job No.
1" = 1'-0" — Scale

EXTERIOR WALL SECTIONS

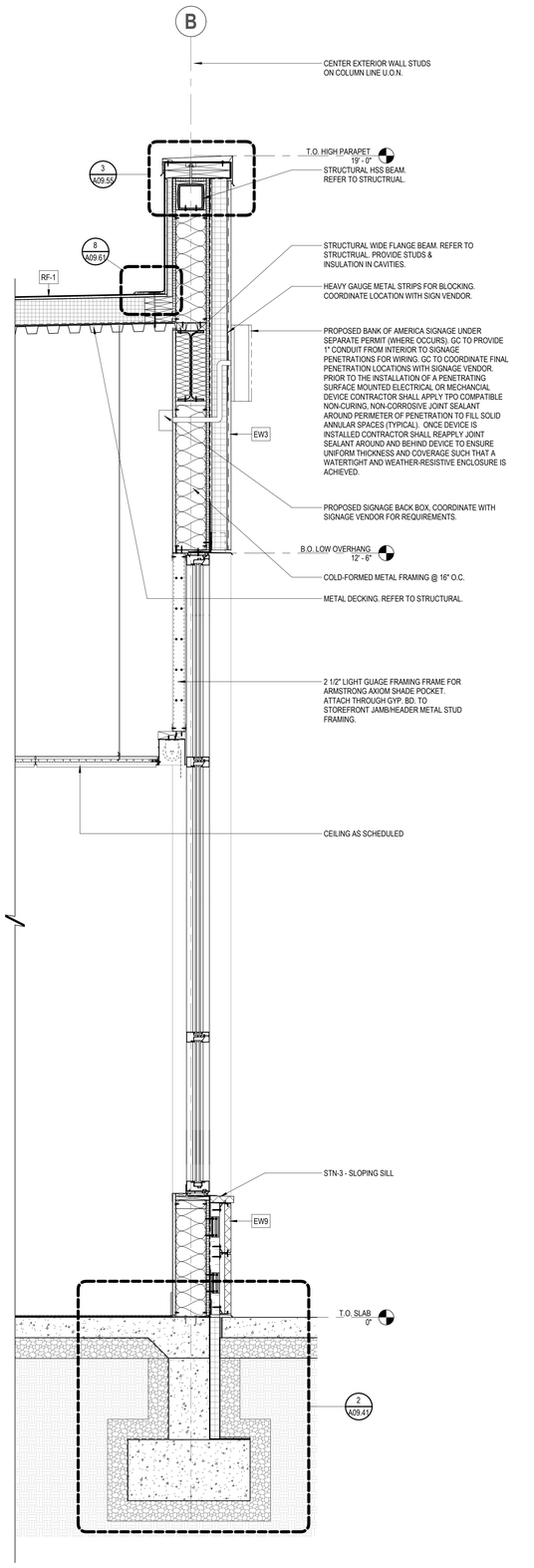
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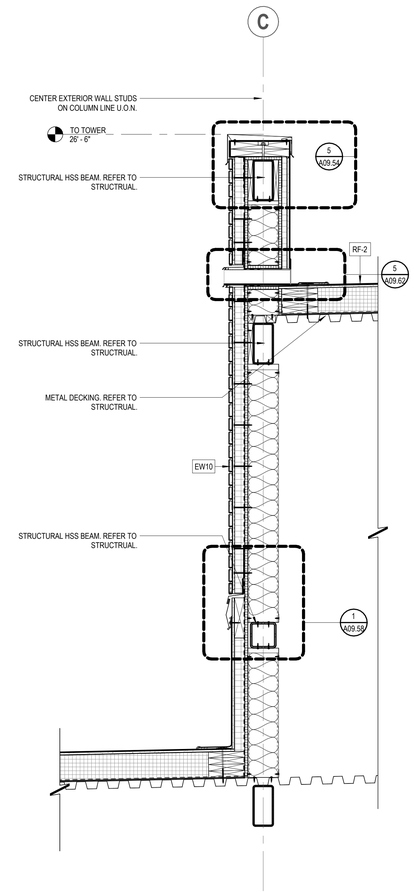
01 EXTERIOR WALL SECTION 05
1" = 1'-0"



02 EXTERIOR WALL SECTION 06
1" = 1'-0"



03 EXTERIOR WALL SECTION 07
1" = 1'-0"



04 EXTERIOR WALL SECTION 08
1" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI THOMAS E POWERS NUMBER A-2004016314 ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
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7		ISSUED FOR CD_90	01.30.26
3		DD_90	11.13.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

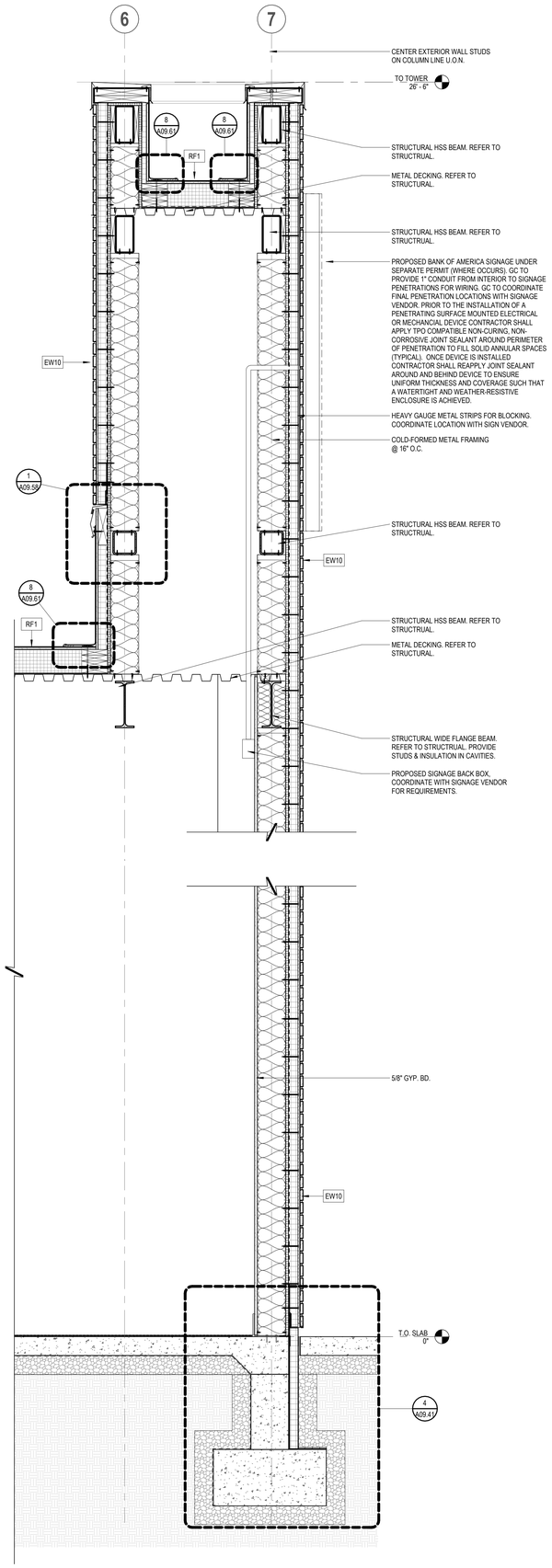
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Owner Approval
47BACX.1247.069 — Job No.
1" = 1'-0" — Scale

EXTERIOR WALL SECTIONS

A09.32

3/4/2026 12:01:13 PM RDS 25.01



1 EXTERIOR WALL SECTION 09
1" = 1'-0"

3/4/2026 9:52:20 AM

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

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3		DD_90	11.13.25

INTERIOR ARCHITECTS

CHICAGO
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TEL 312-488-5200 FAX 888-292-8361

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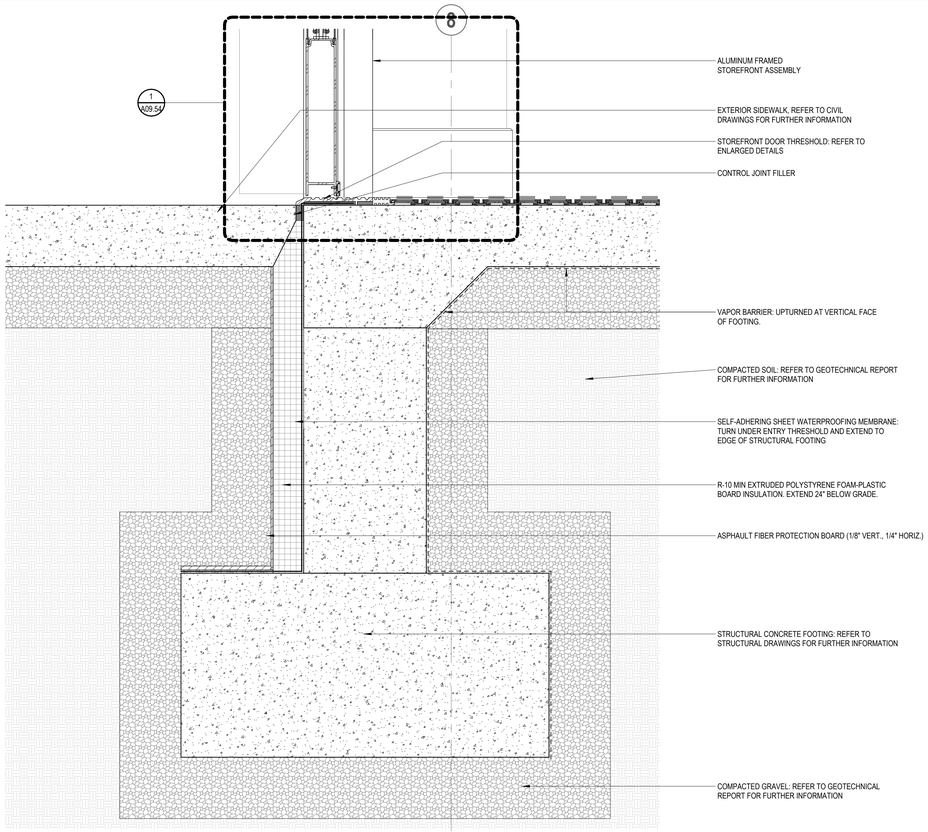
Owner Approval

47BACX.1247.069 — Job No.
1" = 1'-0" — Scale

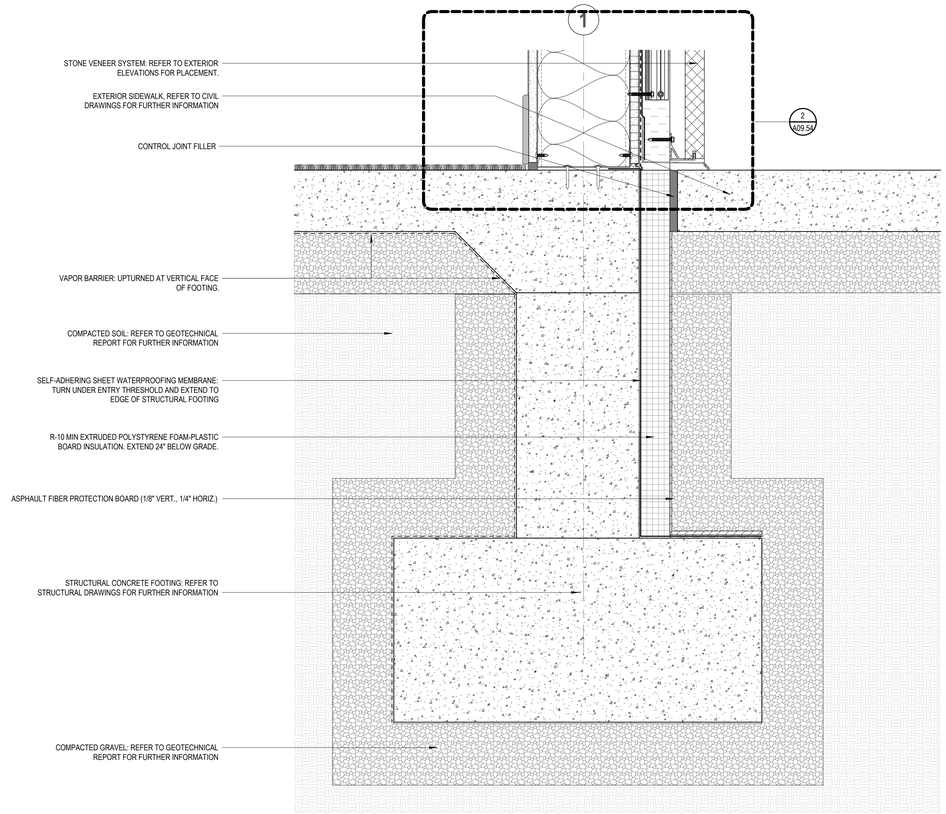
EXTERIOR WALL SECTIONS

A09.33

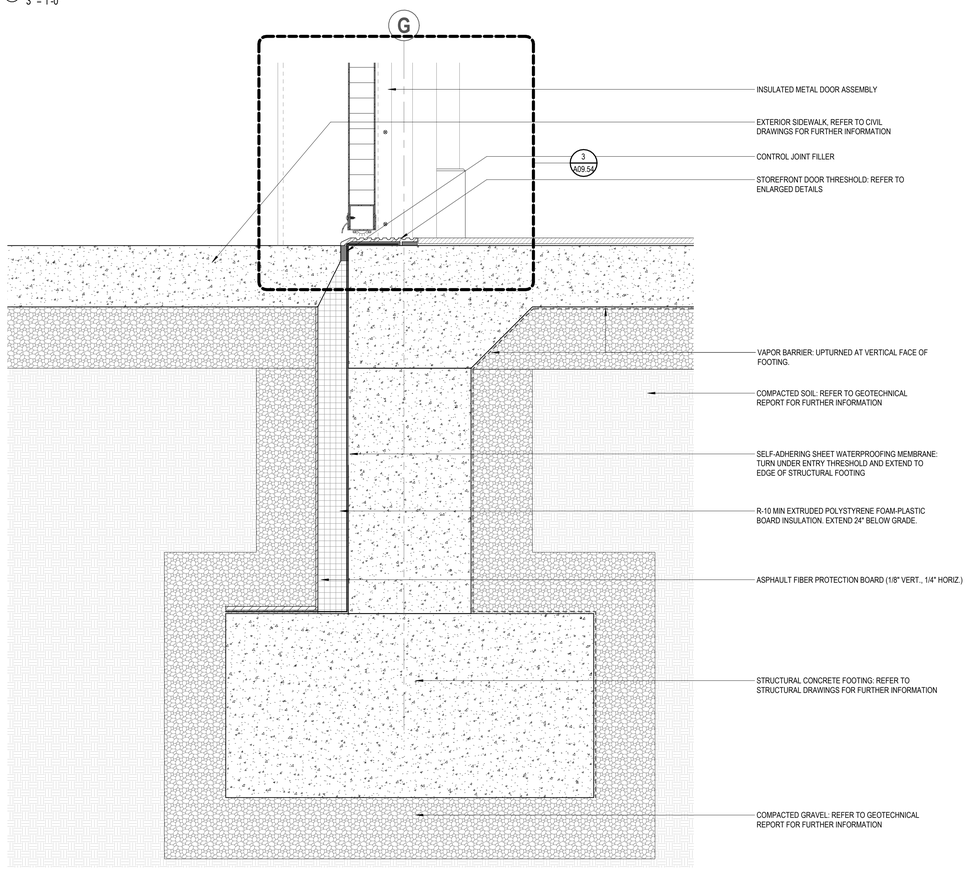
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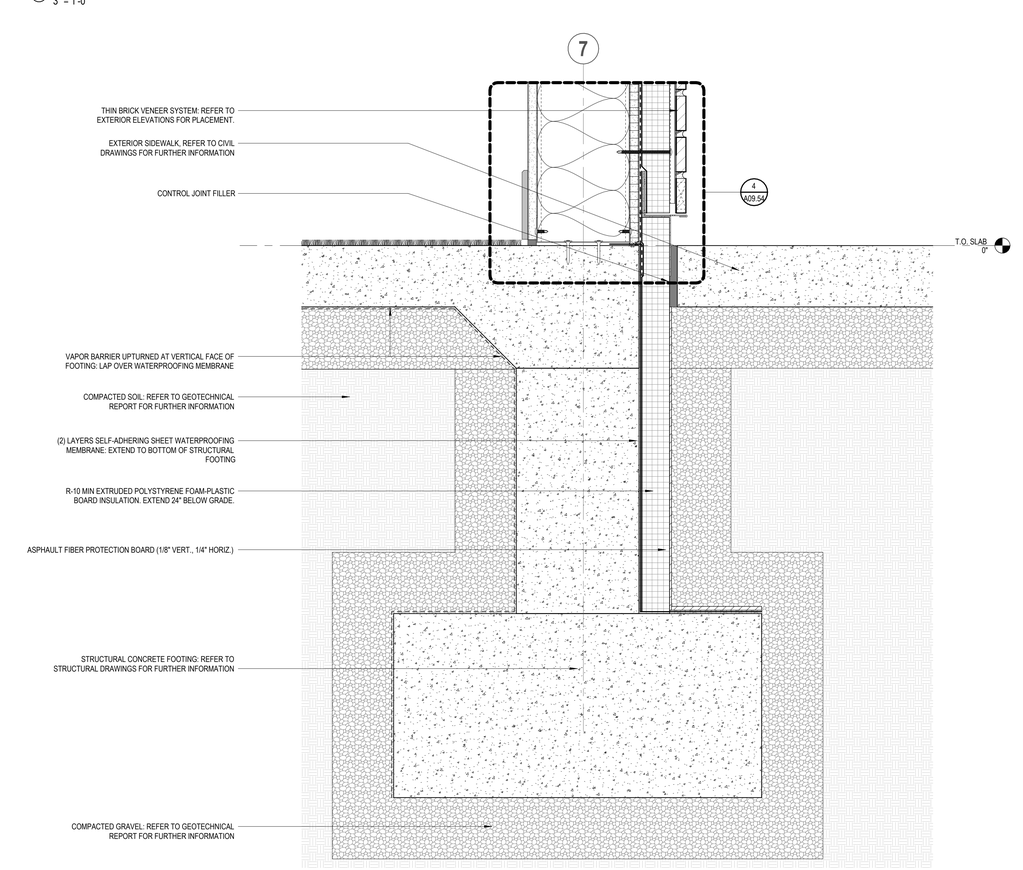
1 FOOTING AT CUSTOMER ENTRY
3" = 1'-0"



2 FOOTING AT STONE BASE (STN-3)
3" = 1'-0"



3 FOOTING AT EMPLOYEE ENTRY
3" = 1'-0"



4 FOOTING AT THIN BRICK (BR-1)
3" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
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LICENSE NUMBER: A-2004016314

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INTERIOR ARCHITECTS
CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

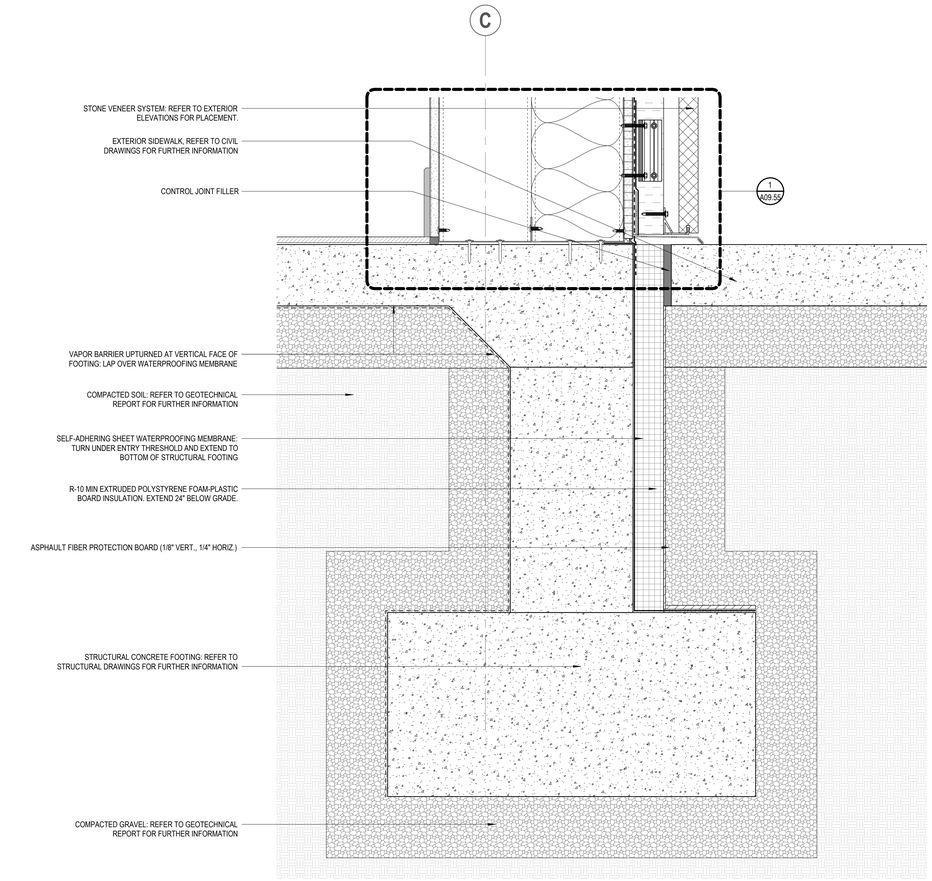
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Owner Approval
47BACX.1247.069 — Job No.
3" = 1'-0" — Scale

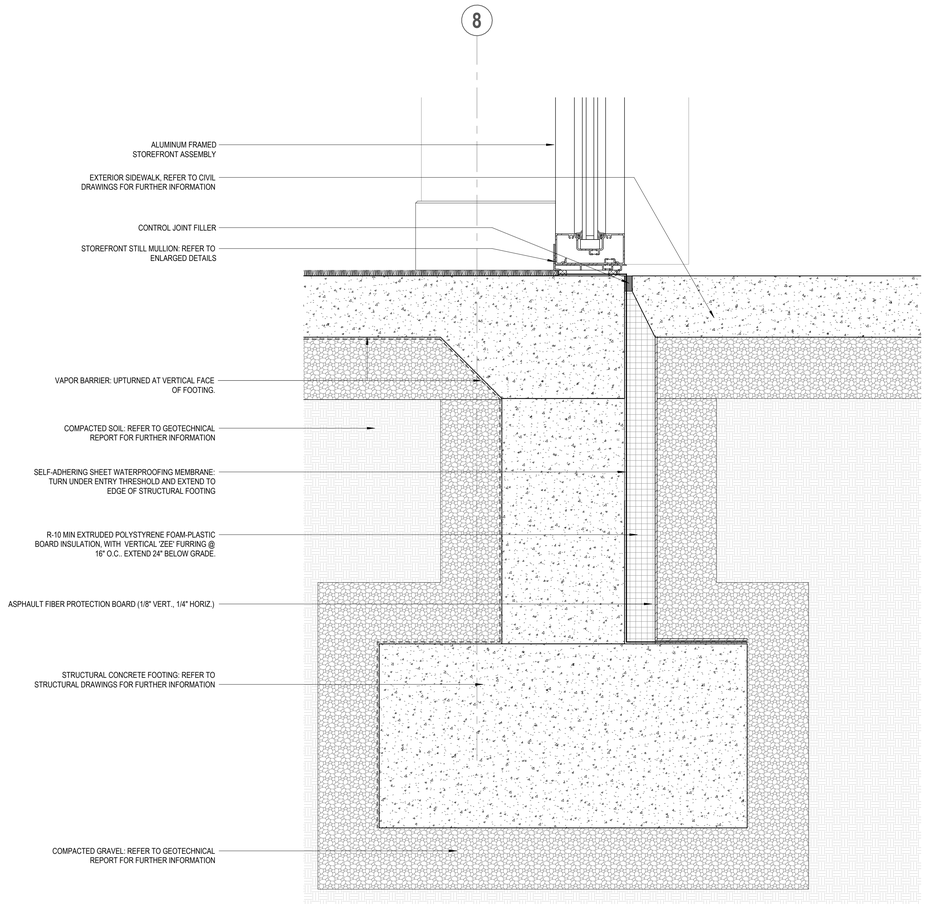
FOOTING DETAILS

A09.41

3/4/2026 1:51:18 PM R23.28.01



1 FOOTING AT STONE BASE (STN-3) - DOUBLE STUD
3" = 1'-0"



2 FOOTING AT STOREFRONT SILL MULLION
3" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
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DELTA	ISSUE	DESCRIPTION	DATE
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7		ISSUED FOR CD_90	01.30.26
3		DD_90	11.13.25

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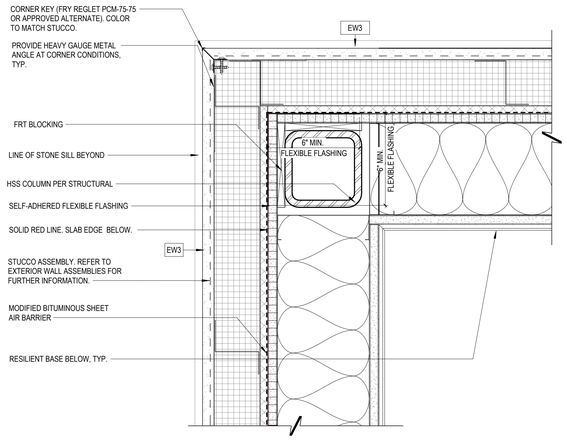
Owner Approval

47BACX.1247.069 — Job No.
3" = 1'-0" — Scale

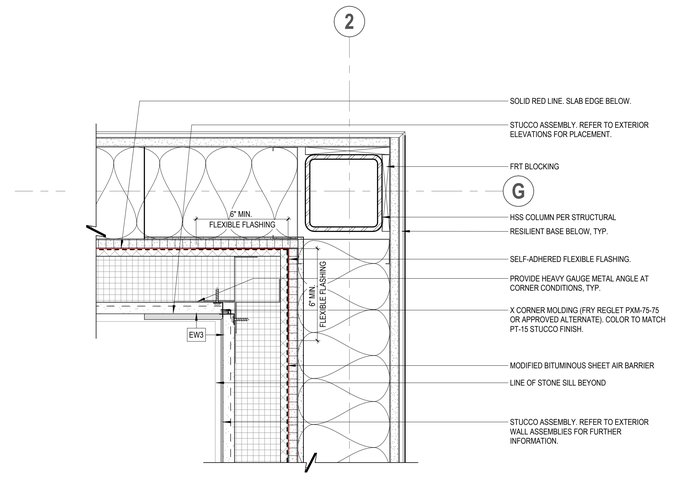
FOOTING DETAILS

A09.42

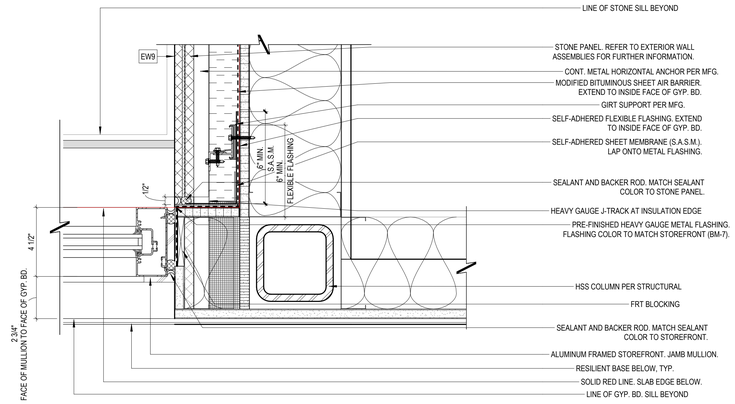
3/4/2026 2:51:19 PM RSA 25.01



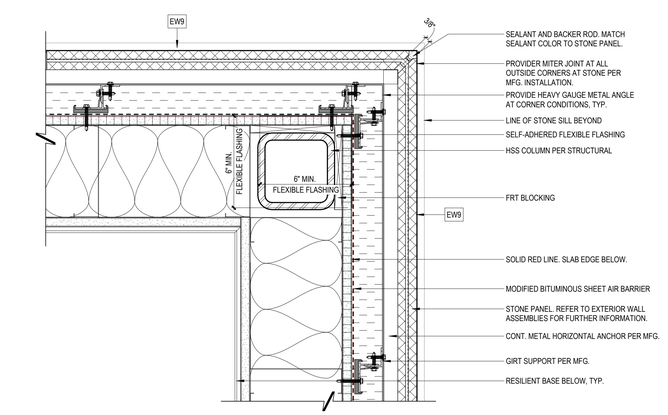
06 PLAN DETAIL - TYP. STUCCO (PT-03 & PT-15) OUTSIDE CORNER
3" = 1'-0"



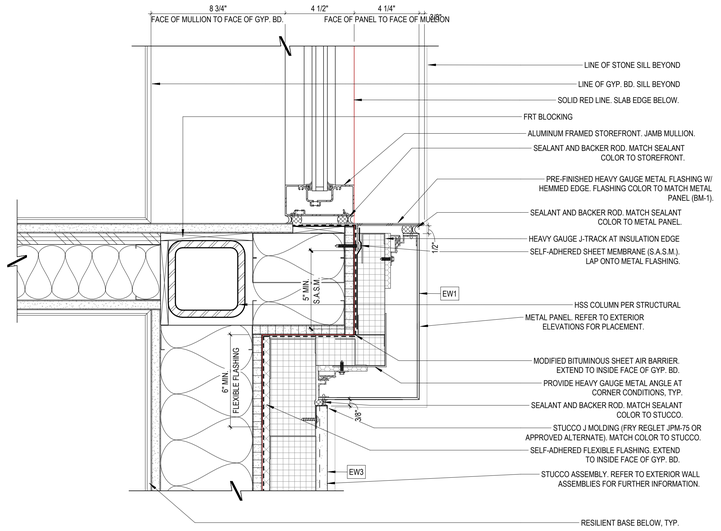
03 PLAN DETAIL - TYP. STUCCO (PT-03) INSIDE CORNER
3" = 1'-0"



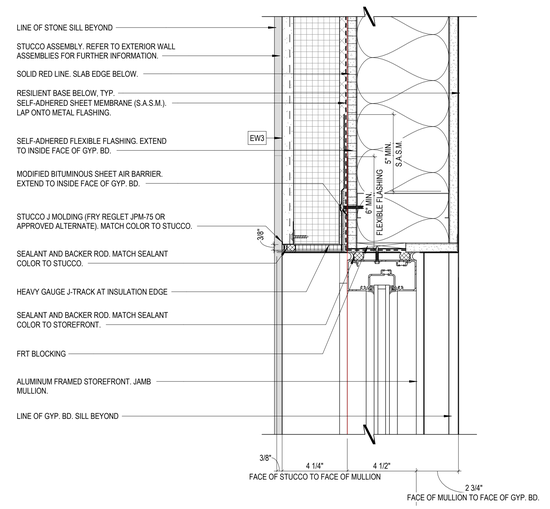
05 PLAN DETAIL - STONE (STN-2) AT STOREFRONT JAMB
3" = 1'-0"



02 PLAN DETAIL - TYP. STONE (STN-2 & STN-3) OUTSIDE CORNER
3" = 1'-0"



04 PLAN DETAIL - STUCCO (PT-03) TO METAL PANEL (EPS-3) TRANSITION/MULLION
3" = 1'-0"



01 PLAN DETAIL - TYP. STUCCO (PT-03 & PT-15) AT STOREFRONT JAMB
3" = 1'-0"

3/4/2026 7:21:20 PM R23.2021

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8	ISSUED FOR PERMIT		03.04.26
7	ISSUED FOR CD_90		01.30.26
3	DD_90		11.13.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

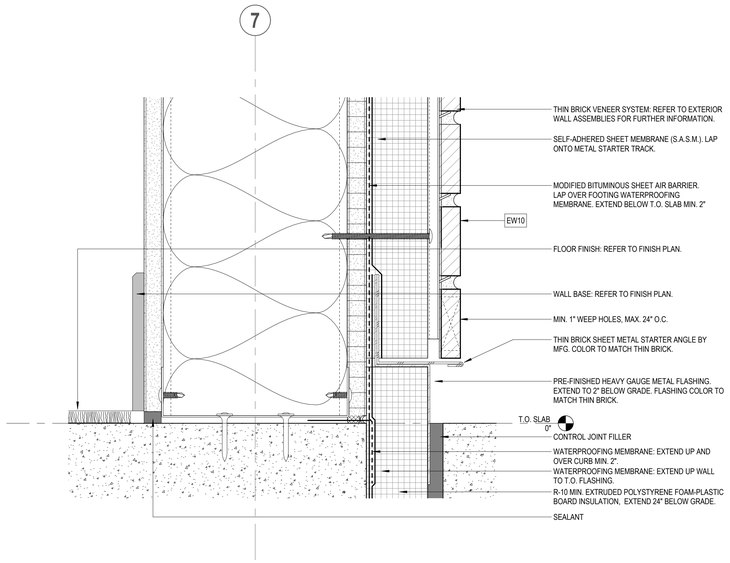
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Owner Approval

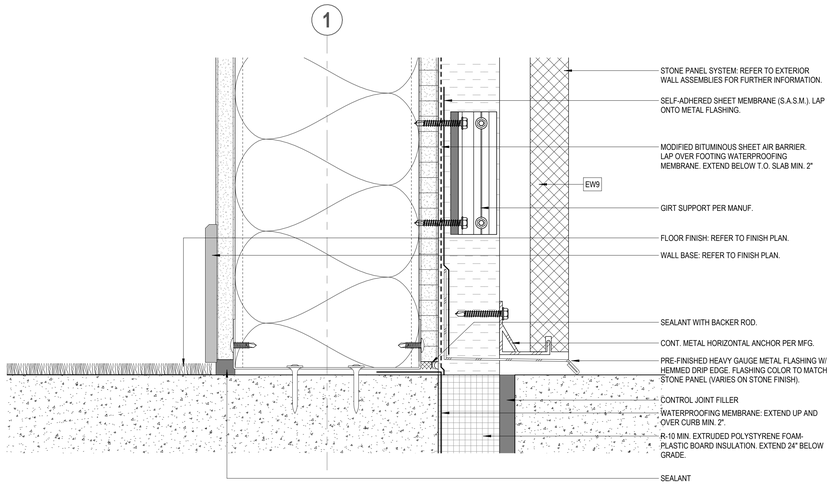
47BACX.1247.069	3" = 1'-0"
Job No.	Scale

EXTERIOR ENLARGED PLAN DETAILS

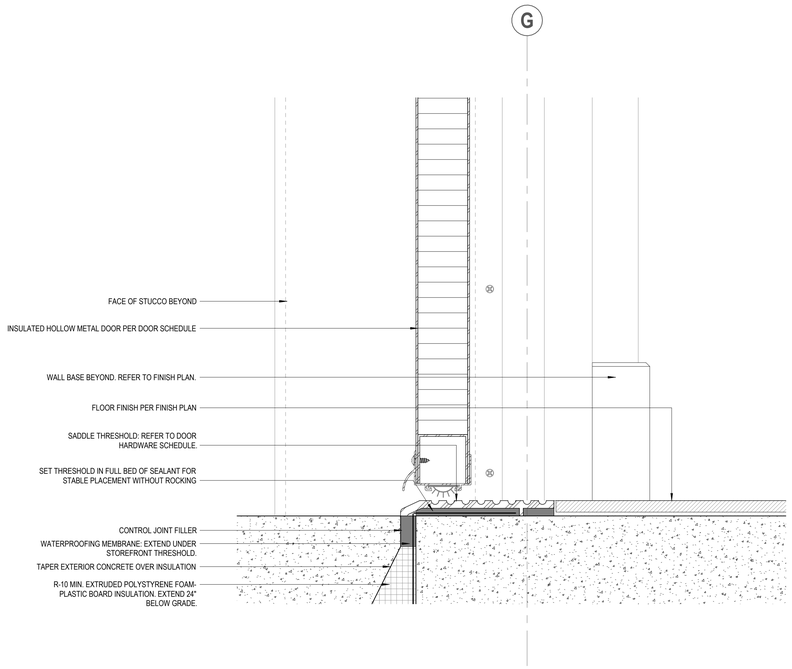
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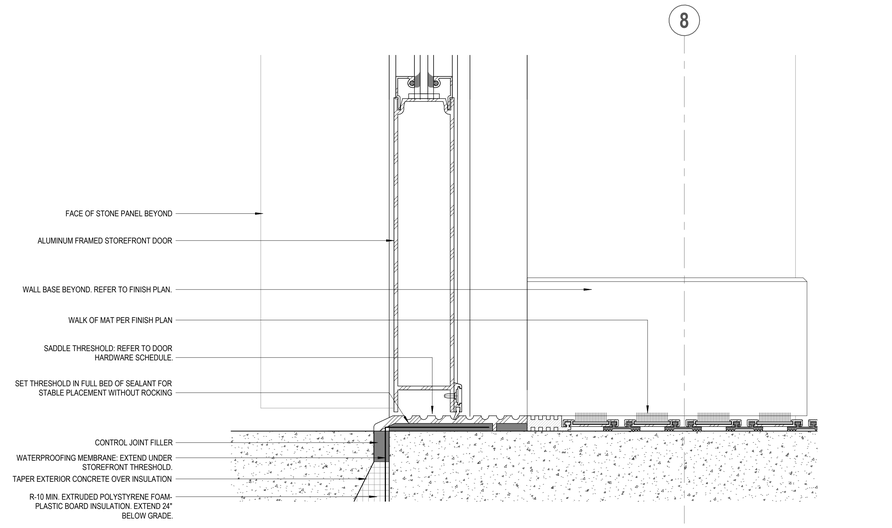
4 DETAIL - TYP. THIN BRICK VENEER (BR-1) BASE
6" = 1'-0"



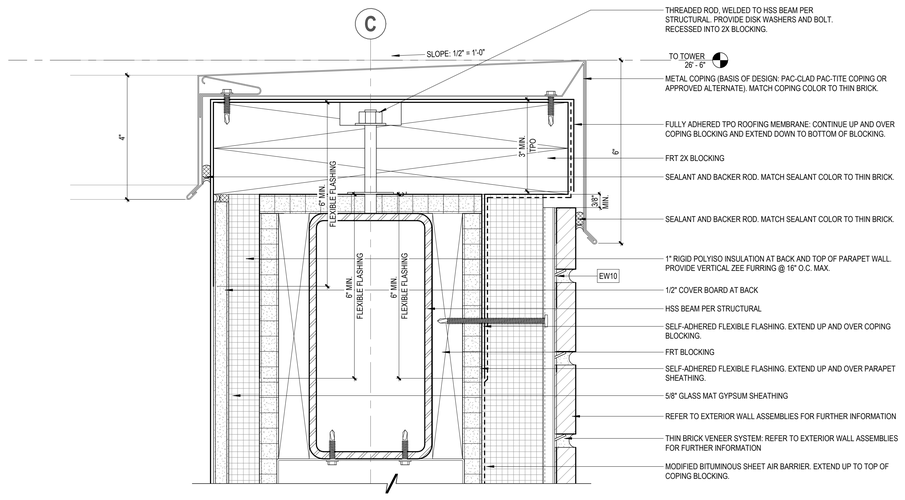
2 DETAIL - TYP. STONE (STN-3) BASE - SINGLE STUD
6" = 1'-0"



3 DETAIL - THRESHOLD AT EMPLOYEE ENTRY
6" = 1'-0"



1 DETAIL - THRESHOLD AT CUSTOMER ENTRY
6" = 1'-0"



5 DETAIL - TYP. PARAPET COPING AT THIN BRICK (BR-1)
6" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8	ISSUED FOR PERMIT		03.04.26
7	ISSUED FOR CD_90		01.30.26
3	DD_90		11.13.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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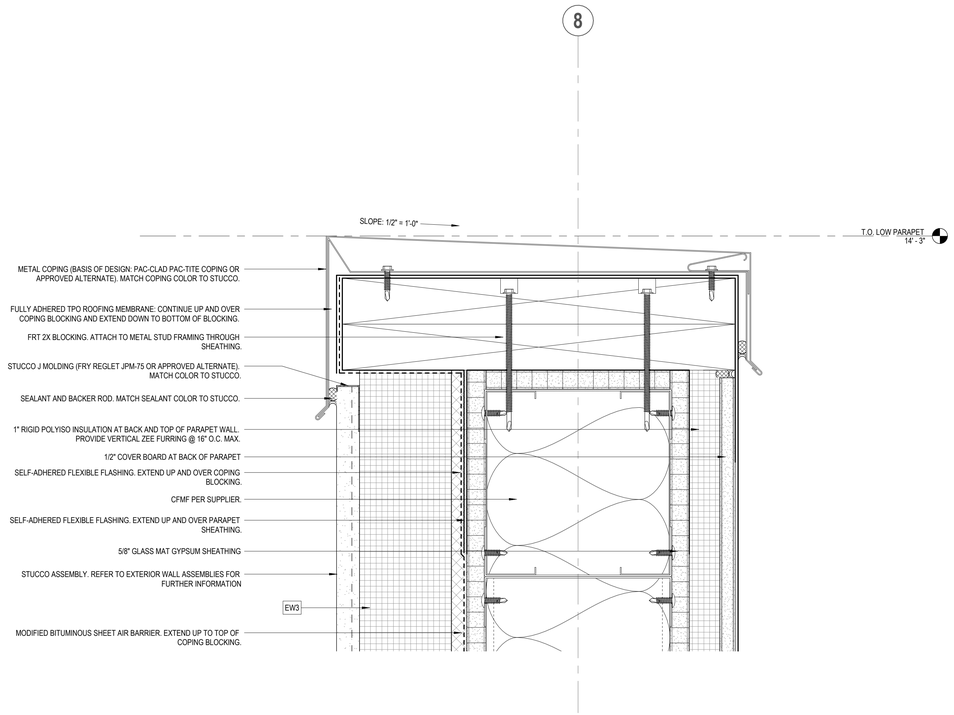
Owner Approval

47BACX.1247.069 — Job No.
6" = 1'-0" — Scale

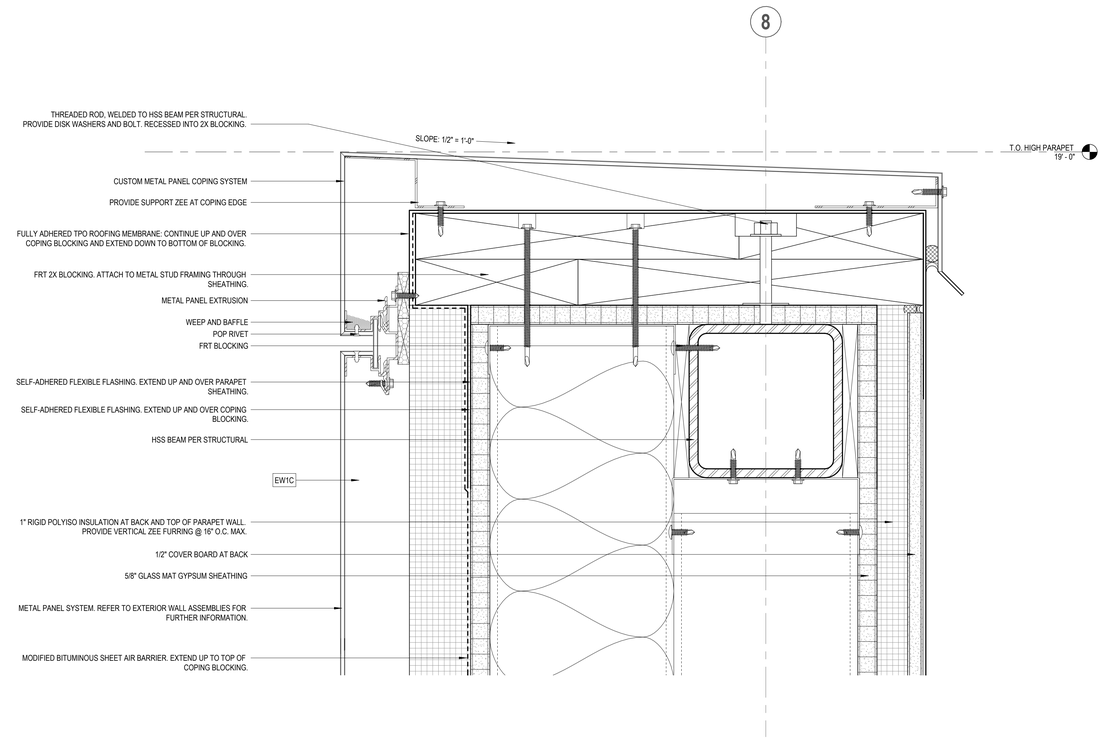
EXTERIOR ENLARGED DETAILS

A09.54

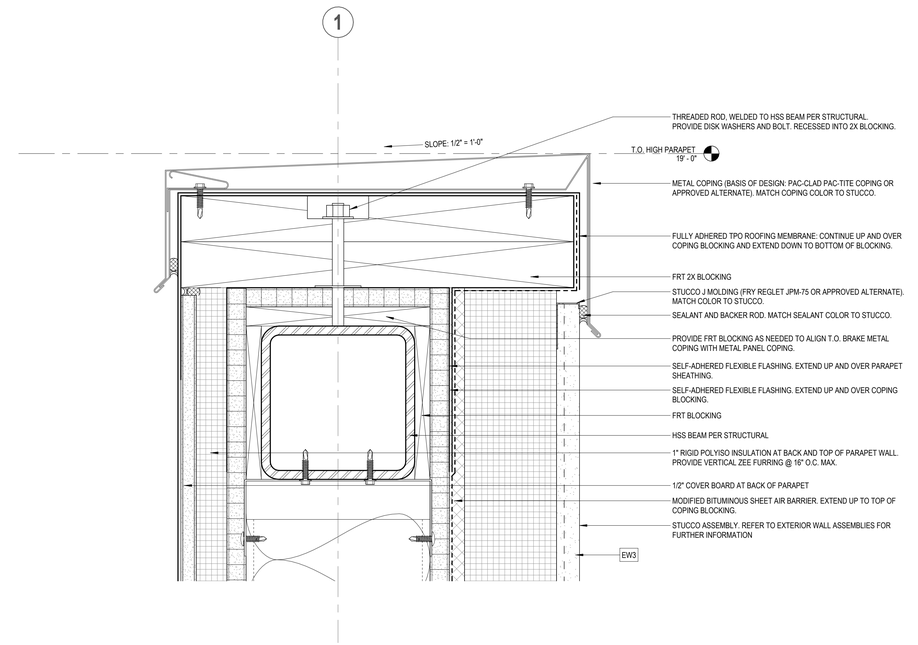
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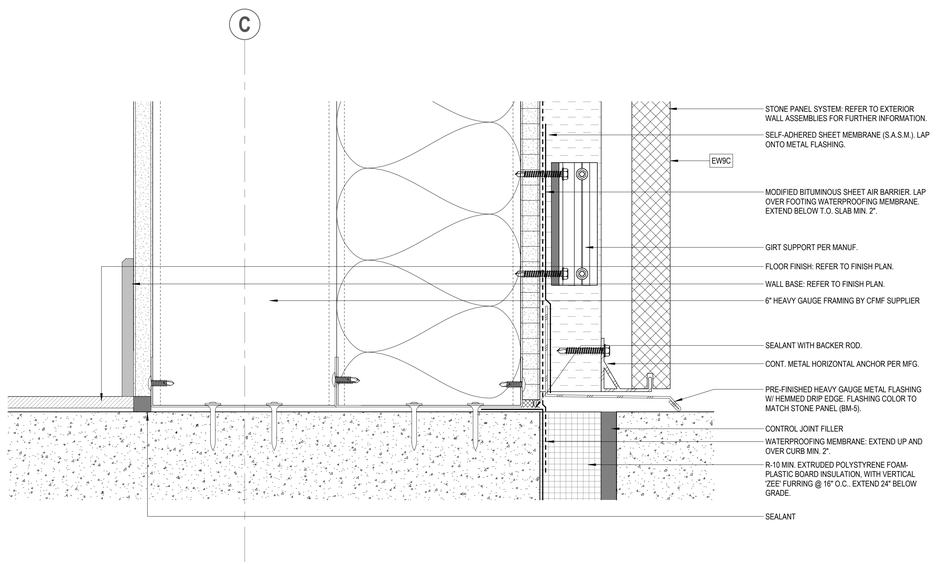
4 DETAIL - TYP. LOW PARAET COPING AT STUCCO (PT-03)
6" = 1'-0"



2 DETAIL - TYP. PARAPET COPING AT METAL PANEL (EPS-3) - DOUBLE STUD
6" = 1'-0"



3 DETAIL - TYP. HIGH PARAPET COPING AT STUCCO (PT-15)
6" = 1'-0"



1 DETAIL - TYP. STONE BASE (STN-3) BASE - DOUBLE STUD
6" = 1'-0"

3/4/2026 3:07:22 PM K:\Projects\47BACX.1247.069\Revit\47BACX.1247.069_A09.55.rvt

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
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LICENSE NUMBER: A-2004016314

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INTERIOR ARCHITECTS

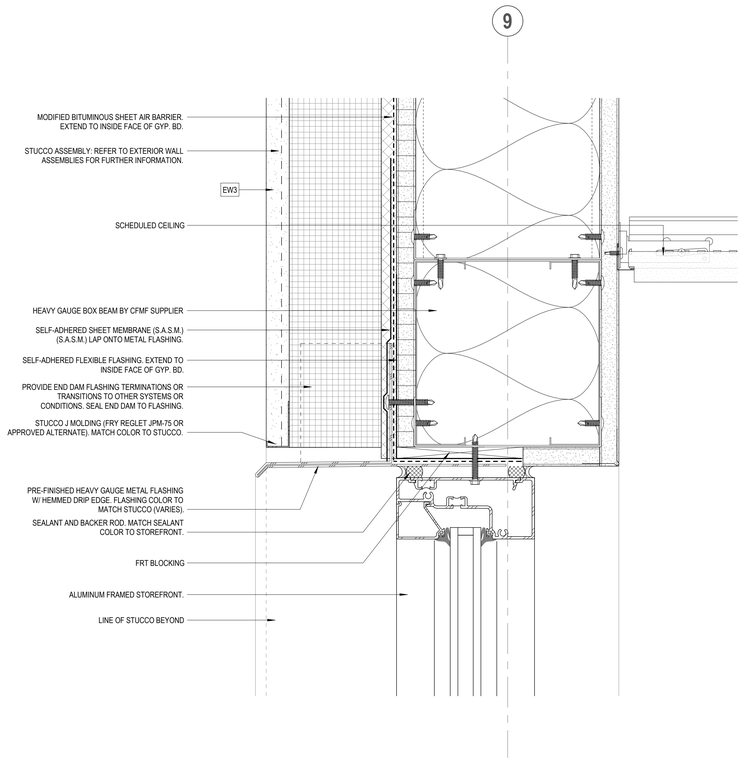
CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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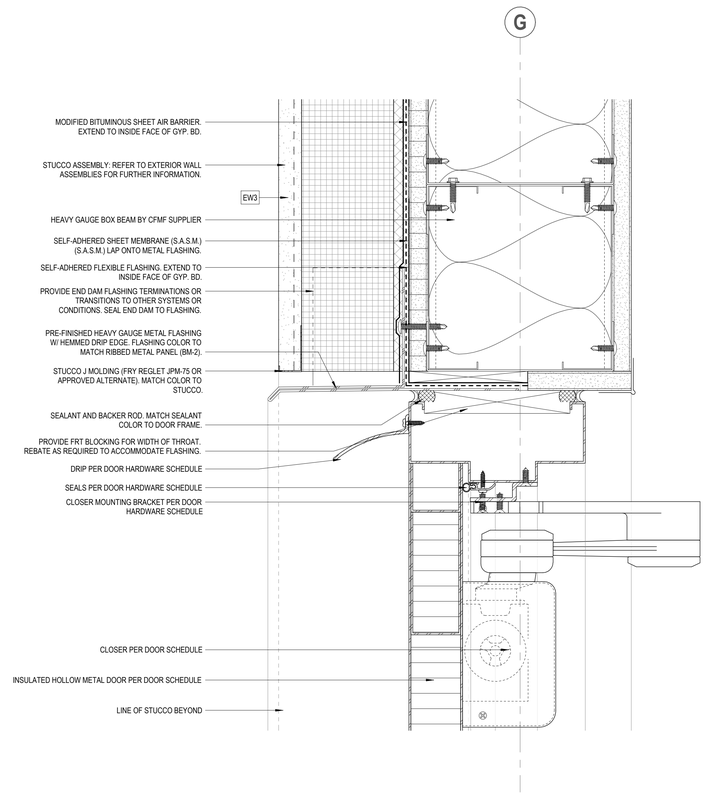
Owner Approval
47BACX.1247.069 — Job No.
6" = 1'-0" — Scale

EXTERIOR ENLARGED DETAILS

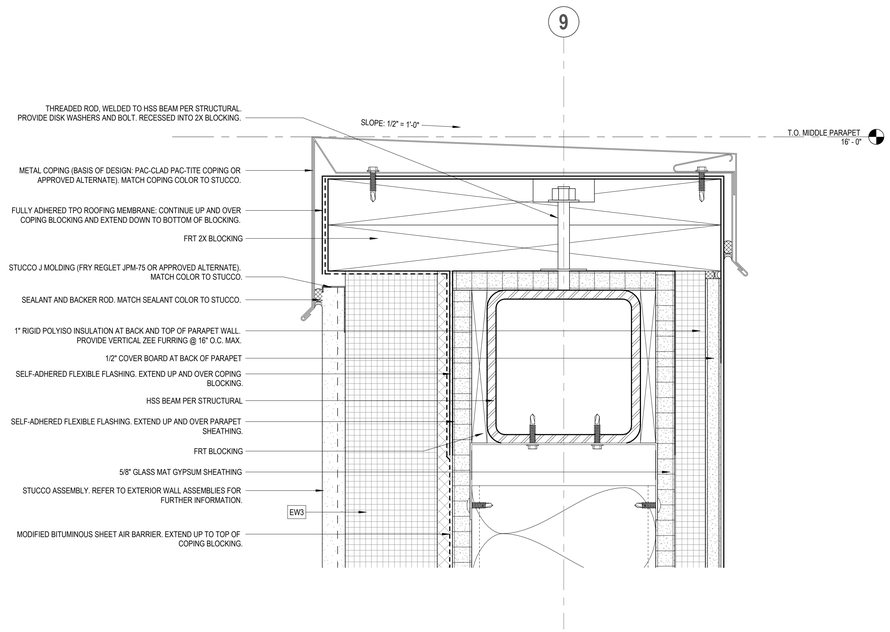
A09.55



3 DETAIL - TYP. STOREFRONT HEADER AT STUCCO (PT03 & PT-15)
6" = 1'-0"



2 DETAIL - EMPLOYEE ENTRANCE HEADER AT STUCCO (PT-03)
6" = 1'-0"



1 DETAIL - TYP. MIDDLE PARAPET COPING AT STUCCO (PT-03 & PT-15)
6" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

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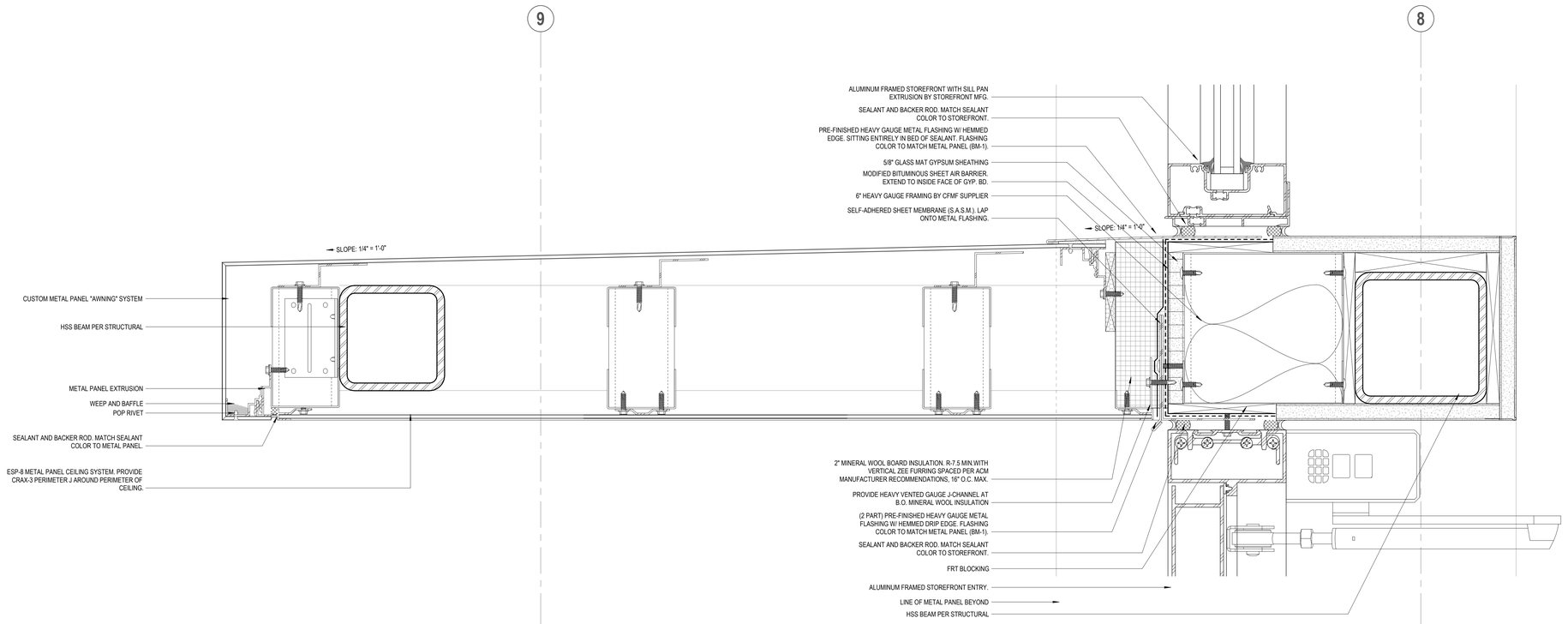
Owner Approval

47BACX.1247.069 — Job No.
6" = 1'-0" — Scale

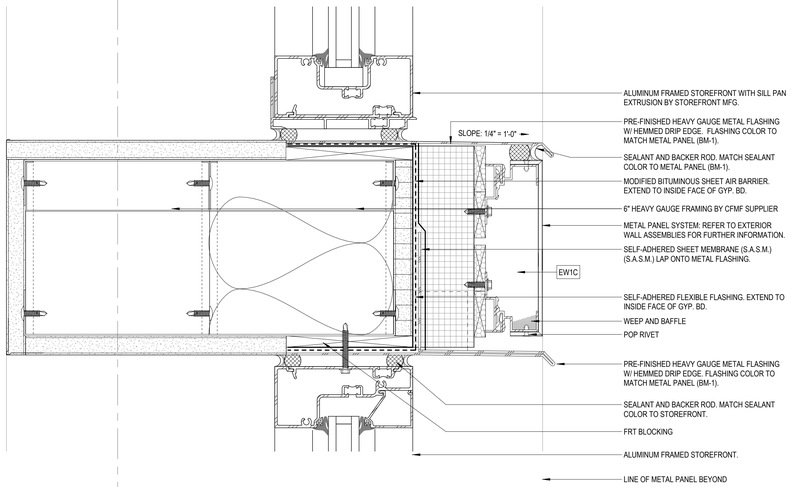
EXTERIOR ENLARGED DETAILS

A09.56

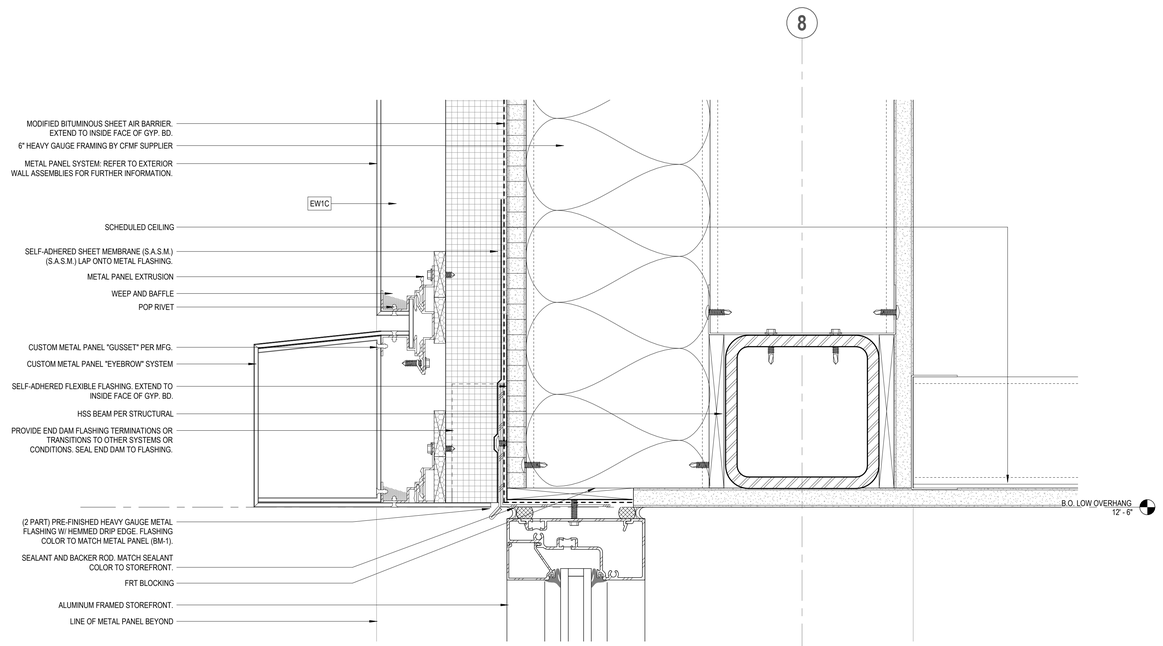
3/4/2026 3:07:23 PM



3 DETAIL - ENTRY HEADER AT AWNING
6" = 1'-0"



2 DETAIL - STOREFRONT HEADER AT METAL PANEL - DOUBLE STUD
6" = 1'-0"



1 DETAIL - METAL PANEL (EPS-3) TRANSITION AT EYEBROW AND STOREFRONT - DOUBLE STUD
6" = 1'-0"

3/4/2026 3:07:23 PM 629.8.01

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

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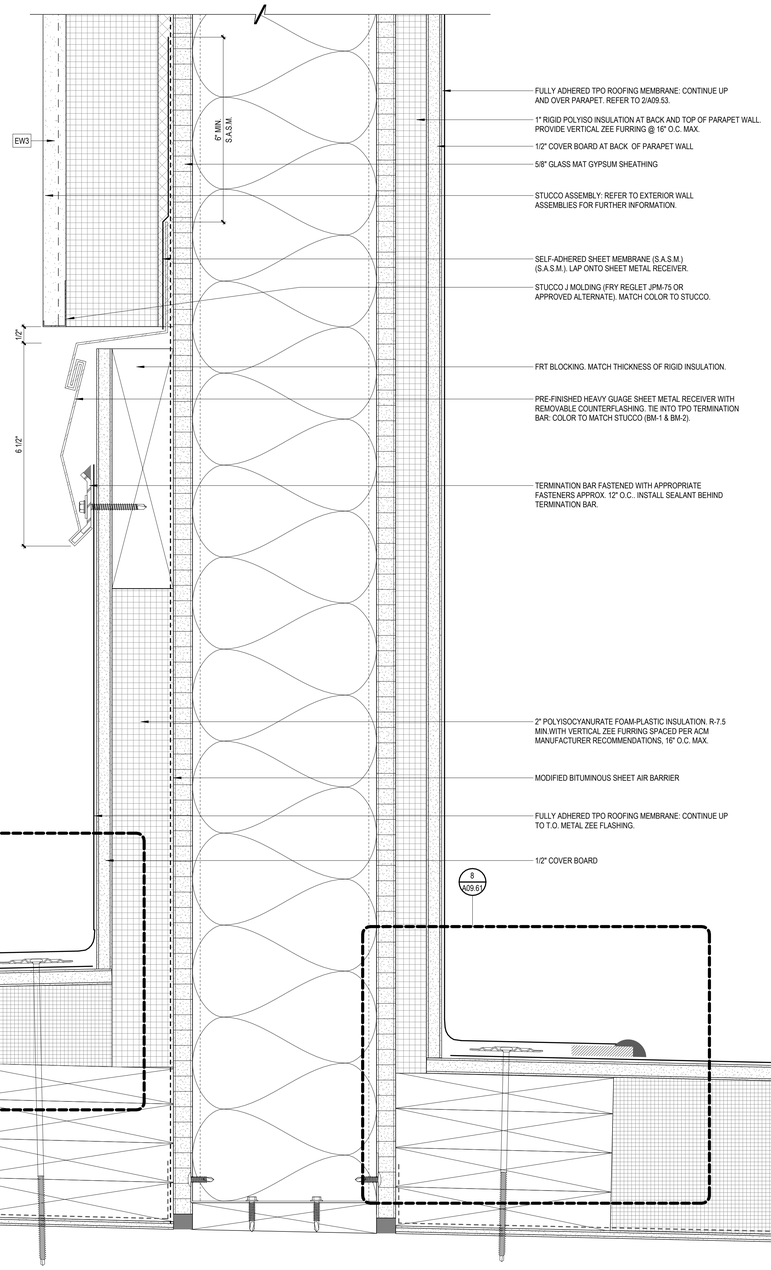
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Owner Approval

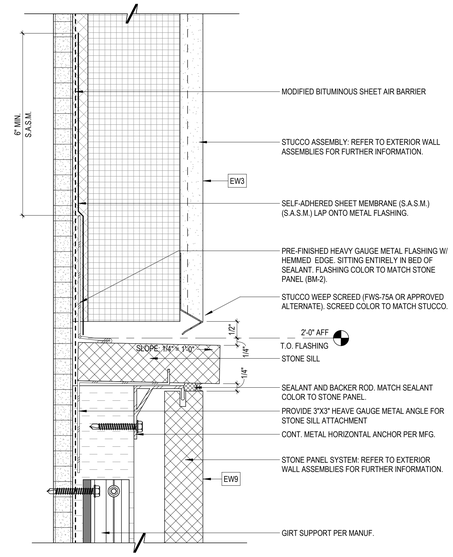
47BACX.1247.069 — Job No.
6" = 1'-0" — Scale

EXTERIOR ENLARGED DETAILS

A09.57

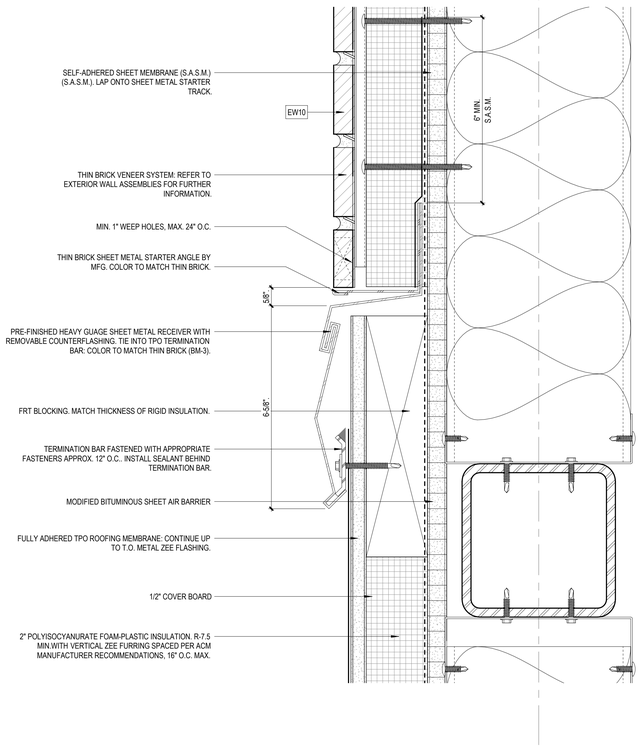


2 DETAIL - STUCCO (PT-03 & PT-15) TRANSITION AT ROOF PARAPET
6" = 1'-0"



3 TRANSITION DETAIL - STUCCO (PT-03 & PT-15) TO STONE (STN-3) SILL
6" = 1'-0"

C



1 DETAIL - STONE (STN-2) TRANSITION TO TPO AT TOWER
6" = 1'-0"

3/4/2026 3:57:24 PM K:\09.25.01

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI THOMAS E TOWERS NUMBER A-2004016314 ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
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Owner Approval
47BACX.1247.069 Job No.
6" = 1'-0" Scale

EXTERIOR ENLARGED DETAILS

A09.58

BANK OF AMERICA

CHIPMAN

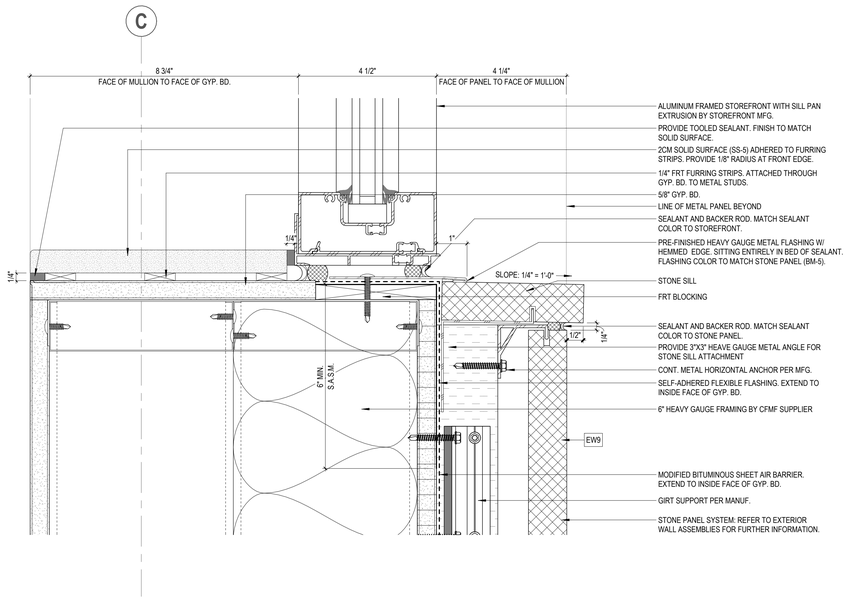
1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
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BULLETIN: 04-2025

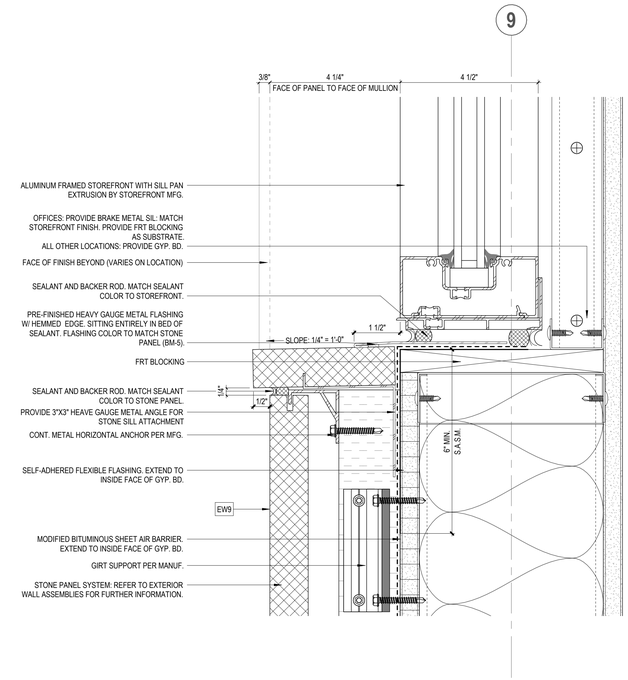
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STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
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2 DETAIL - STOREFRONT STONE (STN-3) SILL AT ENTRY - DOUBLE STUD
6" = 1'-0"



1 DETAIL - STOREFRONT SILL AT STONE (STN-3) AT UCC
6" = 1'-0"

DELTA	ISSUE	DESCRIPTION	DATE
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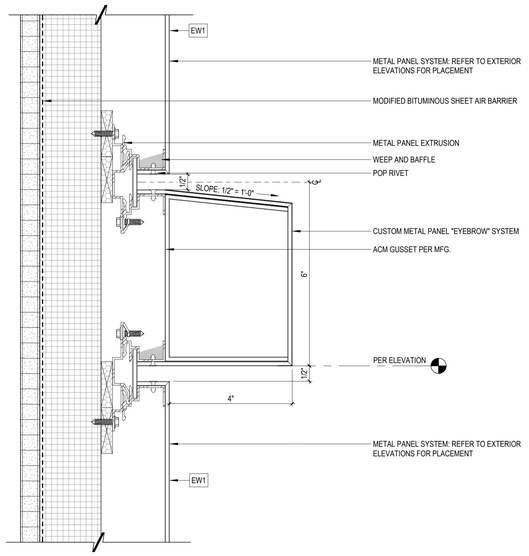
Owner Approval

47BACX.1247.069 — Job No.
6" = 1'-0" — Scale

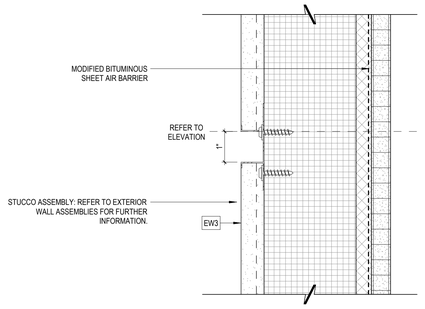
EXTERIOR ENLARGED DETAILS

A09.59

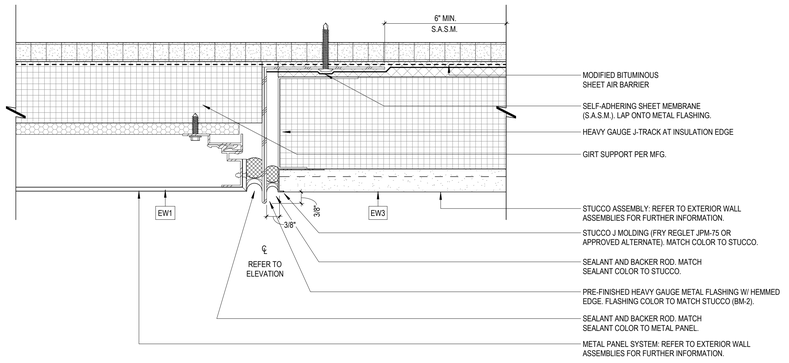
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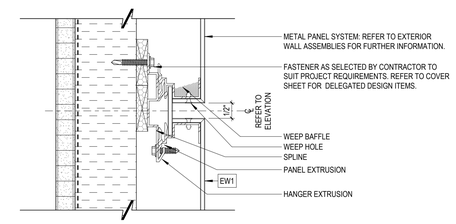
4 TRANSITION DETAIL - METAL PANEL (EPS-3) TO EYEBROW
6" = 1'-0"



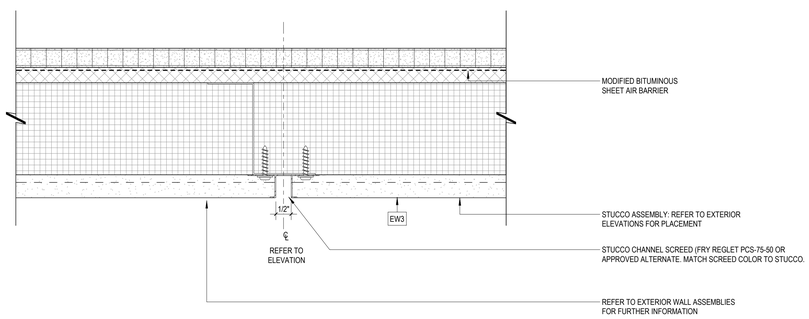
1 TRANSITION DETAIL - TYP. STUCCO (PT-03 & PT-15) 1" REVEAL
6" = 1'-0"



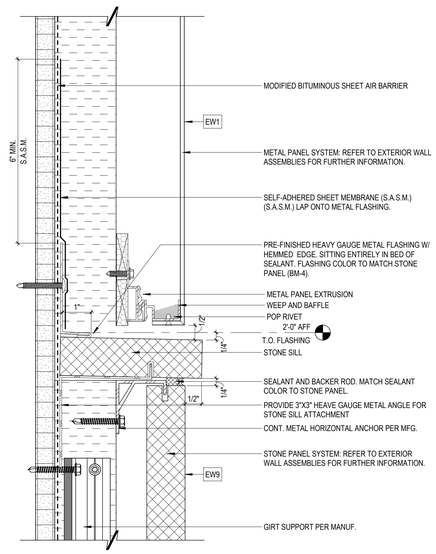
5 TRANSITION DETAIL - METAL PANEL (EPS-3) TO STUCCO (PT-15)
6" = 1'-0"



2 TYP. METAL PANEL (EPS-3) SYSTEM REVEAL
6" = 1'-0"



6 TRANSITION DETAIL - TYP. STUCCO (PT-03 & PT-15) 1/2" REVEAL
6" = 1'-0"



3 TRANSITION DETAIL - METAL PANEL (EPS-3) TO STONE (STN-3) SILL
6" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
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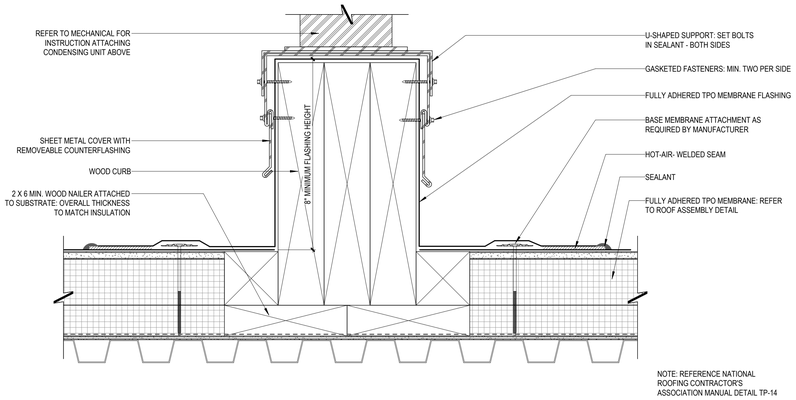
Owner Approval

47BACX.1247.069 — Job No.
6" = 1'-0" — Scale

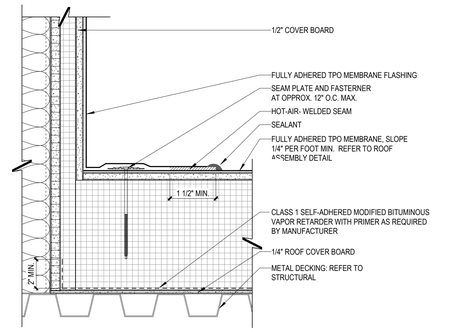
EXTERIOR TRANSITION DETAILS

A09.60

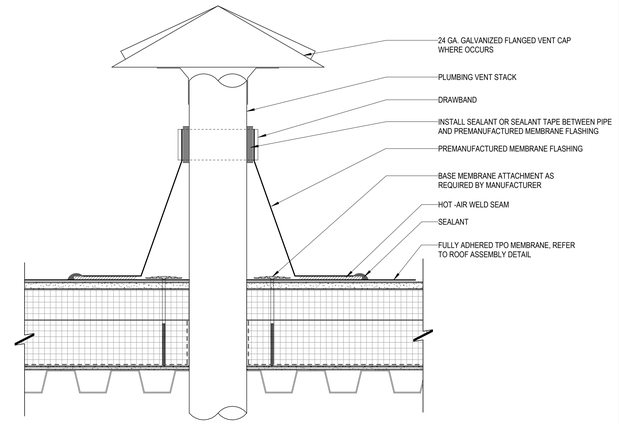
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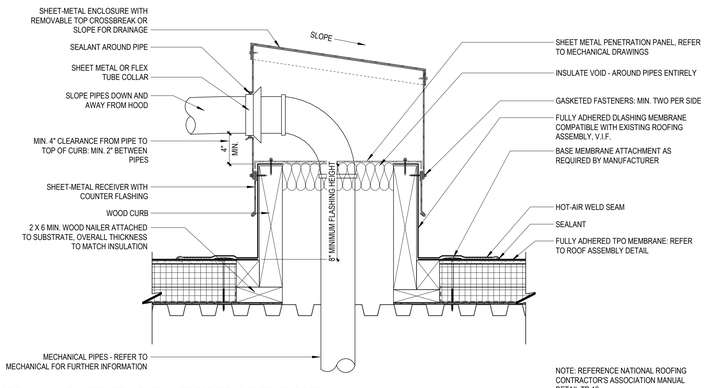
6 CONDENSIGN UNIT SUPPORT DETAIL
3" = 1'-0"



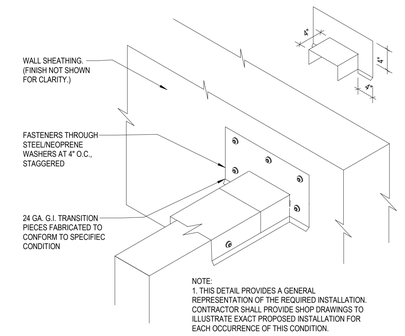
8 TPO ROOFING TO PARAPET WALL BASE FLASHING DETAIL
3" = 1'-0"



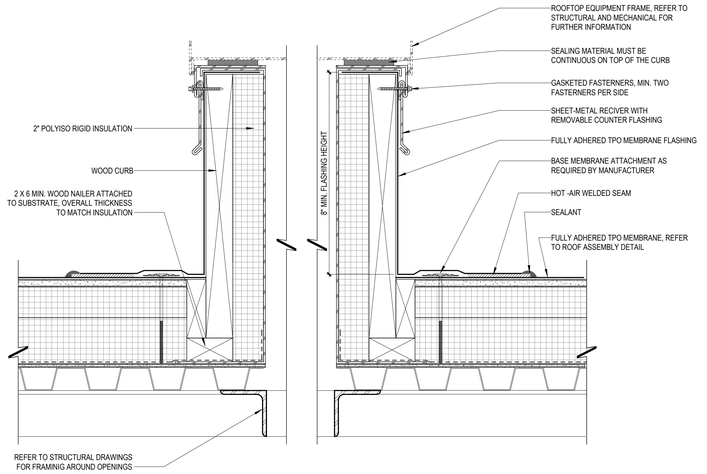
2 TYPICAL PLUMBING VENT (PREMANUFACTURED BOOT)
3" = 1'-0"



5 BASE FLASHING AT SHEET METAL ENCLOSURE FOR PIPING THROUGH ROOF DECK
1 1/2" = 1'-0"

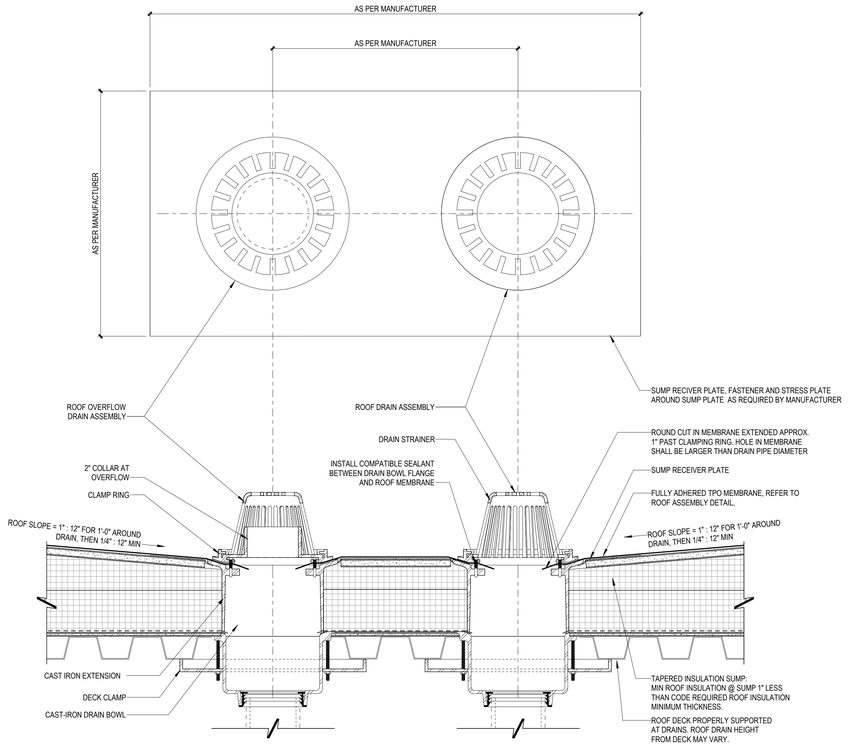


3 FLASHING TRANSITION
1 1/2" = 1'-0"

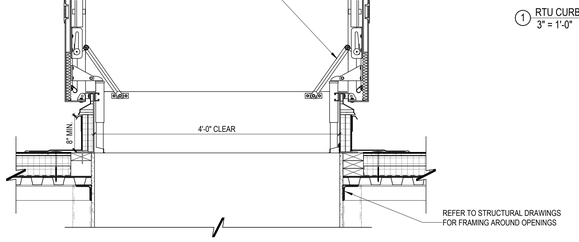


NOTES:
1. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
2. WHEN POSSIBLE, THE MECHANICAL UNITS SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.

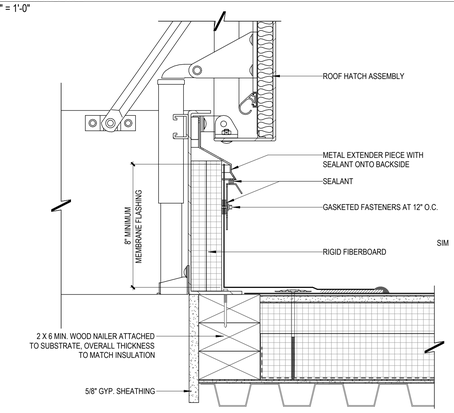
1 RTU CURB DETAIL
3" = 1'-0"



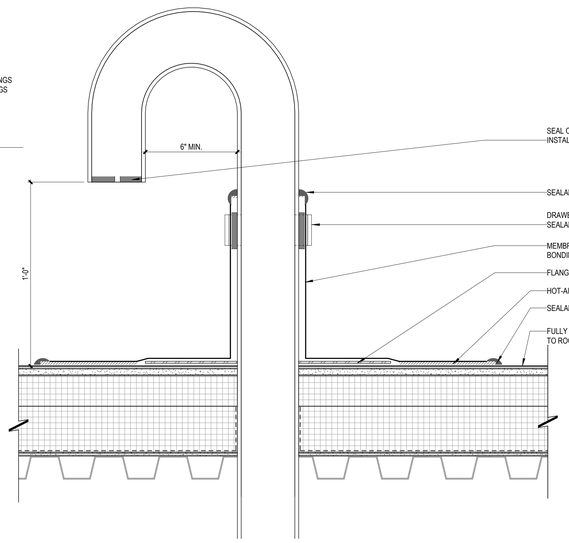
10 ROOF DRAIN AND OVERFLOW DRAIN DETAIL - EXTENSION COLLAR
3" = 1'-0"



4 ROOF HATCH DETAIL
1" = 1'-0"



7 ROOF HATCH FLASHING ENLARGED DETAIL
3" = 1'-0"



9 CABLE PENETRATION FLASHING DETAIL
3" = 1'-0"

3/4/2026 12:57:07 PM R25.2.0.51

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
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7		ISSUED FOR CD_90	01.30.26
6		DD_F	01.13.26
3		DD_90	11.13.25

INTERIOR ARCHITECTS

CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

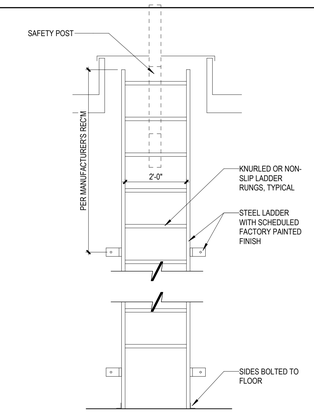
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Owner Approval

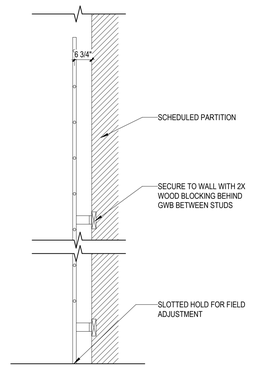
47BACX.1247.069 — As indicated
Job No. — Scale

ROOF DETAILS

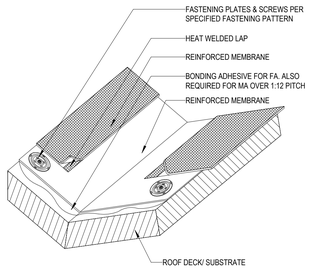
A09.61



1 ROOF LADDER ELEVATION
1/2" = 1'-0"

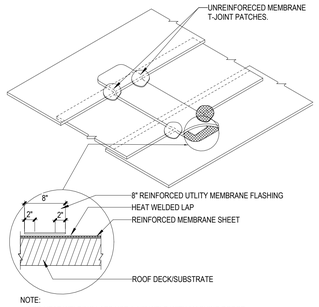


2 ROOF LADDER SECTION
1/2" = 1'-0"



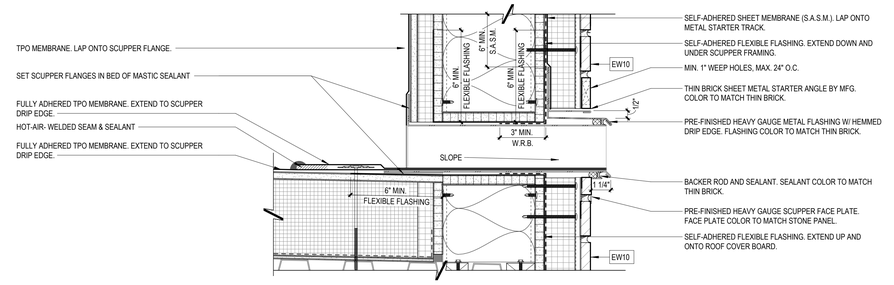
NOTE:
1. FLEECE BACKED MEMBRANE MAY ALSO BE ADHERED WITH HOT ASPHALT.
2. FA SYSTEMS DO NOT GET MECHANICALLY ATTACHED.

3. FOR VALLEYS GREATER THAN 2:12 VALLEY MATERIAL MUST BE A HALF SHEET OR LESS.

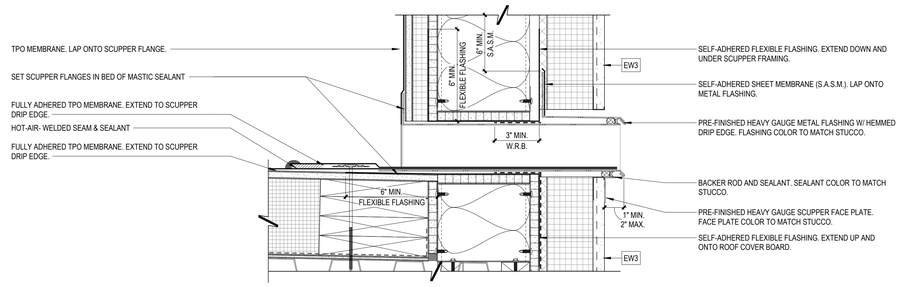


NOTE:
1. FOR HEAT WELDING LAPS USE 1 1/2" WELD WITH MACHINE ROBOT WELDER AND 2" WELD WITH HAND WELDER.
2. APPLY TPO CUT EDGE SEALANT TO ALL CUT REINFORCED TPO EDGES.

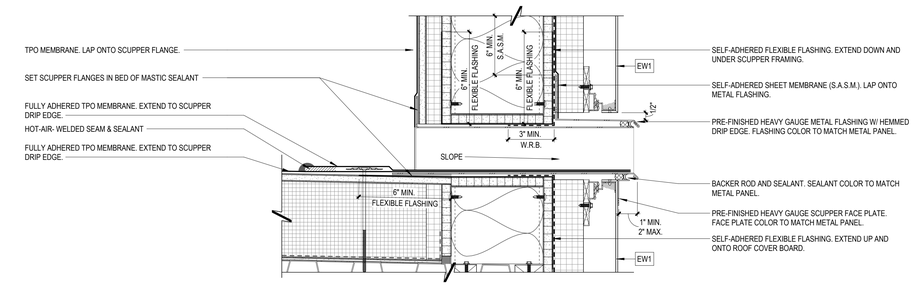
3 TPO VALLEY & COVER STRIP
1" = 1'-0"



5 TYPICAL ROOF SCUPPER @ BRICK
3" = 1'-0"



4 TYPICAL ROOF SCUPPER @ EPS-3
3" = 1'-0"



6 ROOF SCUPPER @ METAL PANEL
3" = 1'-0"

3/4/2026 12:12:28 PM RDA 26.01

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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STATE OF MISSOURI
THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
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LICENSE NUMBER: A-2004016314

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TEL 312-488-5200 FAX 888-292-8361

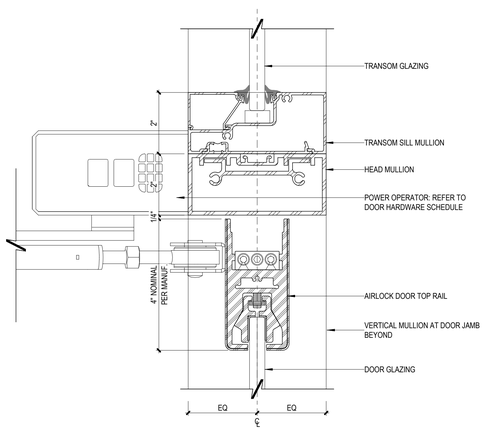
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Owner Approval

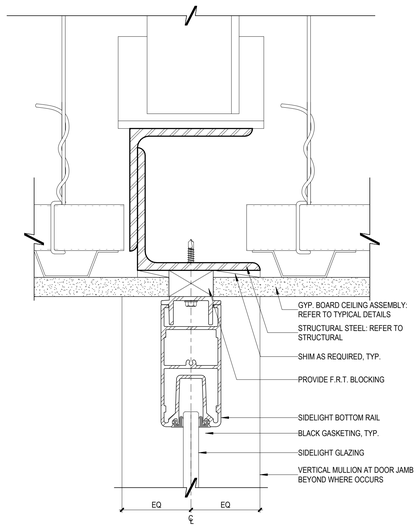
47BACX.1247.069 — Job No.
As indicated — Scale

ROOF DETAILS

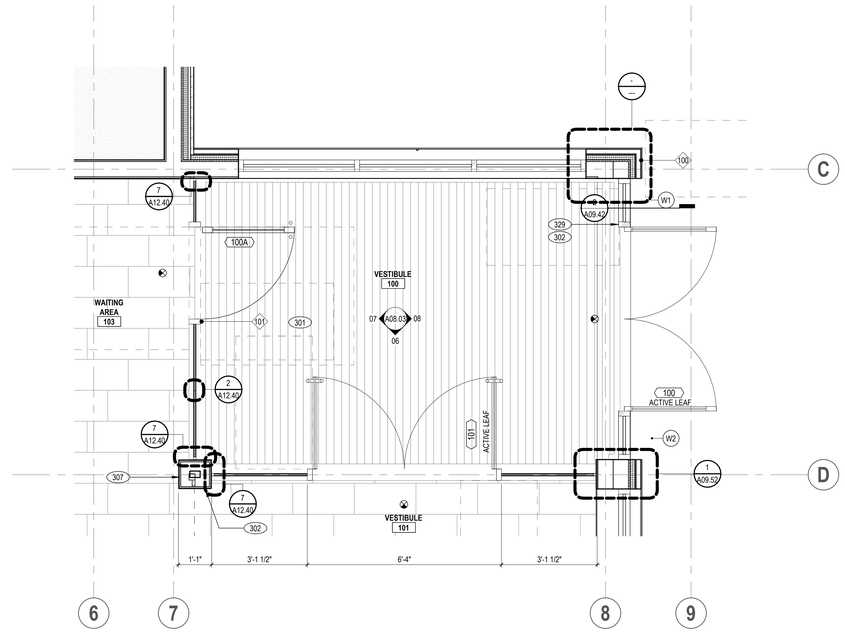
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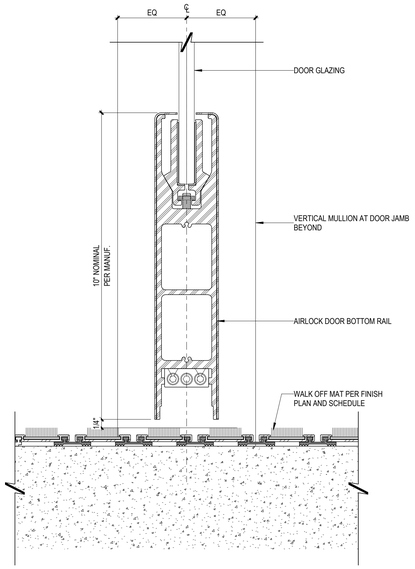
4 AIRLOCK GLASS DOOR HEAD
6" = 1'-0"



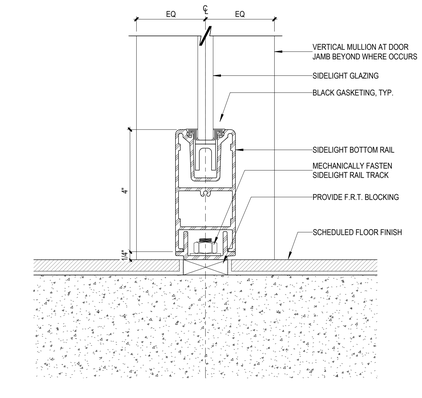
3 AIRLOCK SIDELIGHT HEAD (SIM. TRANSOM)
6" = 1'-0"



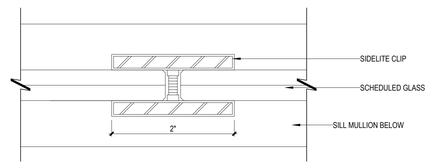
8 ENLARGED PLAN @ AIRLOCK
1/2" = 1'-0"



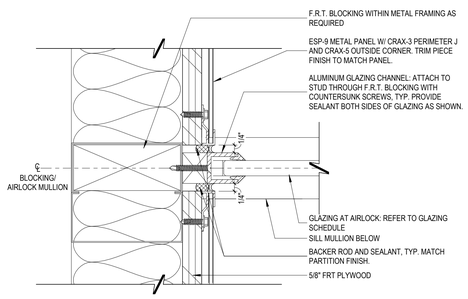
5 AIRLOCK GLASS DOOR BOTTOM RAIL
6" = 1'-0"



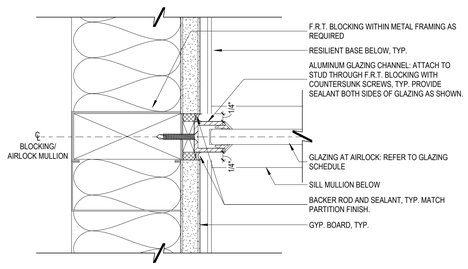
1 AIRLOCK SIDELIGHT SILL
6" = 1'-0"



2 TYPICAL AIRLOCK SIDELIGHT CLIP
12" = 1'-0"



6 AIRLOCK SIDELIGHT TERMINATION AT EPS-9
6" = 1'-0"



7 AIRLOCK SIDELIGHT TERMINATION AT GYP. BD.
6" = 1'-0"

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BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
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THOMAS F POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

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CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

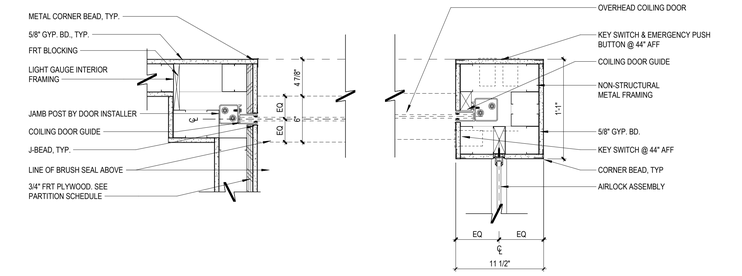
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Owner Approval

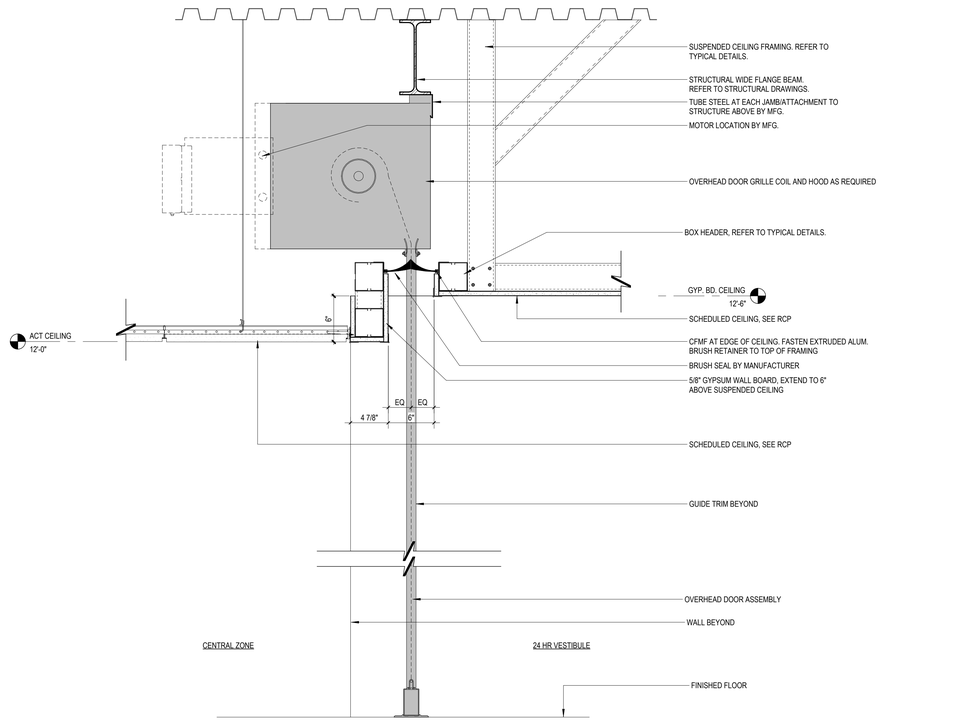
47BACX.1247.069 — Job No.
As indicated — Scale

AIRLOCK DETAILS

A12.40



1 ENLARGED PLAN - ROLL DOWN GRILLE
1 1/2" = 1'-0"



2 ROLL DOWN GRILLE - SECTION DETAIL
1 1/2" = 1'-0"

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BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
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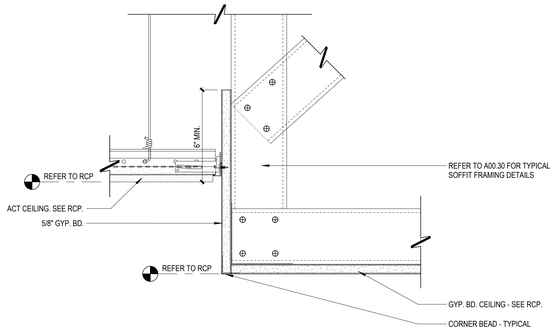
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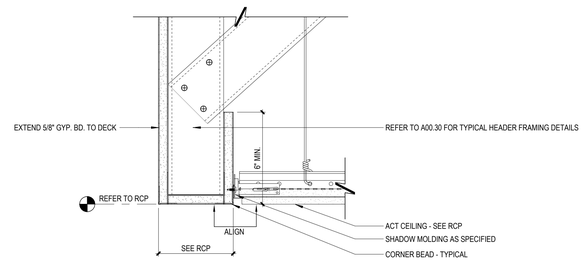
47BACX.1247.069 — Job No.
1 1/2" = 1'-0" — Scale

ROLLING GRILLE DETAILS

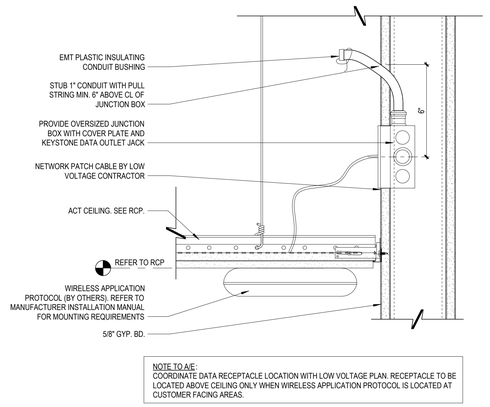
A12.41



4 TYPICAL ACT TO GYP. BD CEILING TRANSITION
3" = 1'-0"

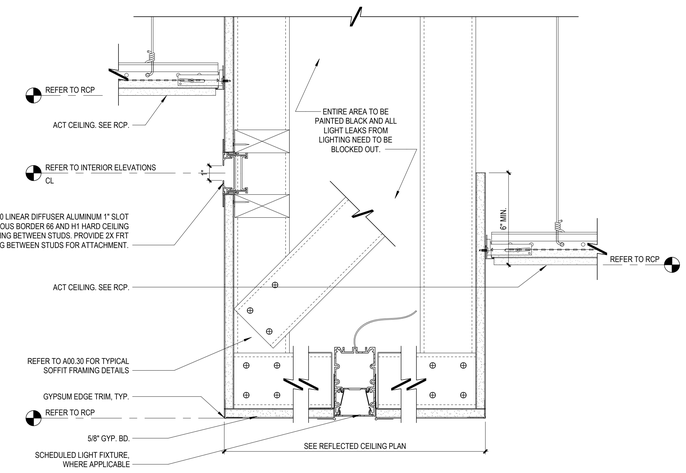


2 TYP. BULKHEAD DETAIL @ ROOF HATCH SCUTTLE
3" = 1'-0"

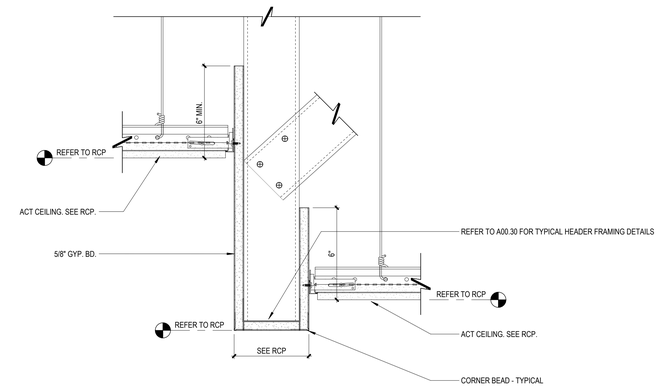


NOTE TO A/E:
COORDINATE DATA RECEPTACLE LOCATION WITH LOW VOLTAGE PLAN. RECEPTACLE TO BE LOCATED ABOVE CEILING ONLY WHEN WIRELESS APPLICATION PROTOCOL IS LOCATED AT CUSTOMER FACING AREAS.

5 CEILING MOUNTED WAP SECTION DETAIL
3" = 1'-0"



1 TELLER BULKHEAD TRANSITION
3" = 1'-0"



3 TYPICAL HEADER @ CORRIDOR
3" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
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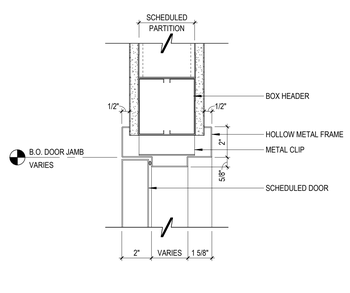
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Owner Approval
47BACX.1247.069 — Job No.
3" = 1'-0" — Scale

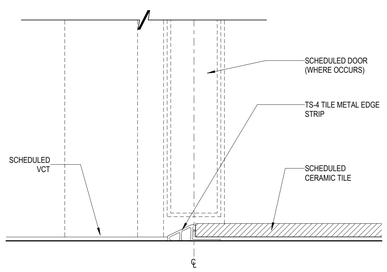
CEILING DETAILS

A12.43

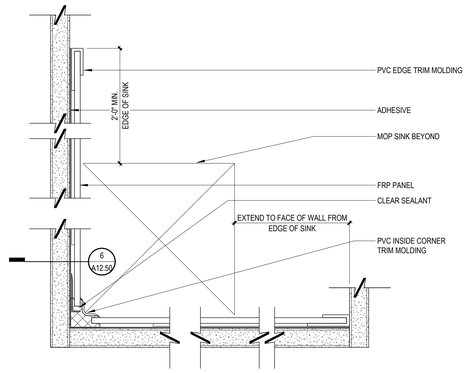
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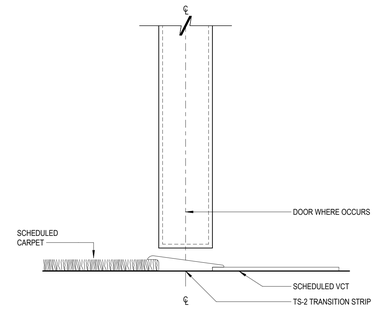
11 HOLLOW METAL FRAME HEAD DETAIL
3" = 1'-0"



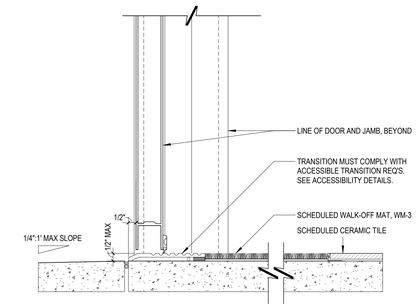
8 TS-4 CERAMIC TILE TO VCT TRANSITION
6" = 1'-0"



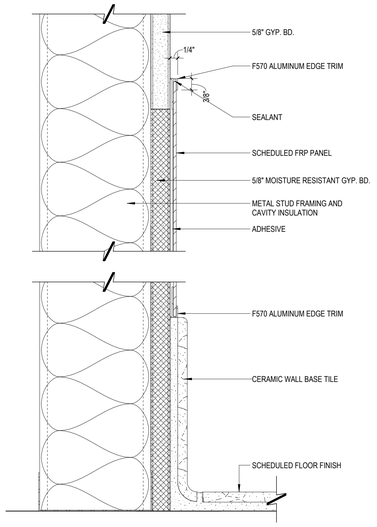
7 ENLARGED PLAN AT MOP SINK
6" = 1'-0"



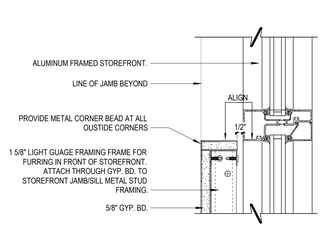
4 TS-2 CARPET TO LINOLEUM/VCT TRANSITION
6" = 1'-0"



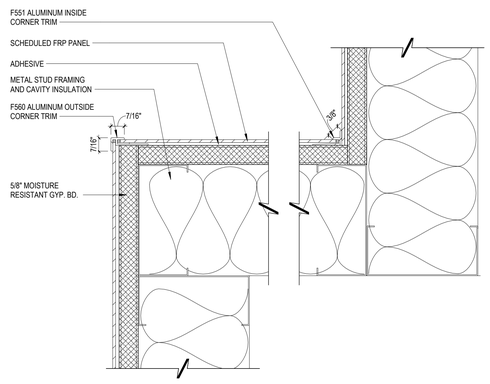
3 TS-3 CERAMIC TILE TO WM-1 TRANSITION
3" = 1'-0"



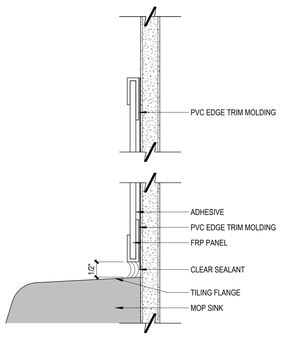
12 RESTROOM FRP PANEL DETAIL
6" = 1'-0"



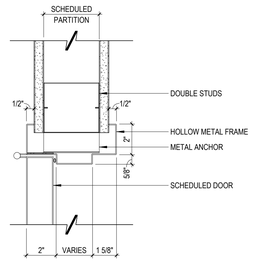
10 TYP. INTERIOR FURRING @ BOH STOREFRONT
3" = 1'-0"



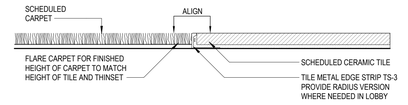
9 RESTROOM FRP INSIDE AND OUTSIDE CORNER DETAIL
6" = 1'-0"



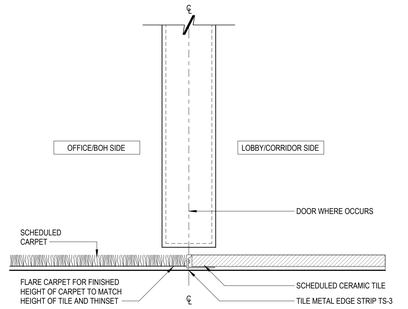
6 SECTION AT MOP SINK
6" = 1'-0"



5 HOLLOW METAL FRAME JAMB DETAIL
3" = 1'-0"



2 TS-3 CARPET TO CERAMIC TILE TRANSITION
6" = 1'-0"



1 TS-3 CARPET TO CERAMIC TILE TRANSITION AT DOOR
6" = 1'-0"

3/4/2026 3:57:22 PM K:\Projects\47BACX.1247.069\Drawings\Revit\47BACX.1247.069_90.rvt

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

I CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY PERSONAL SUPERVISION AND TO THE BEST OF MY KNOWLEDGE, CONFORM TO ALL APPLICABLE CODES.

STATE OF MISSOURI
THOMAS E TOWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
DATE: 3/4/2026
LICENSE NUMBER: A-2004016314

DELTA	ISSUE	DESCRIPTION	DATE
8	ISSUED FOR PERMIT		03.04.26
7	ISSUED FOR CD_90		01.30.26
6	DD_F		01.13.26
3	DD_90		11.13.25

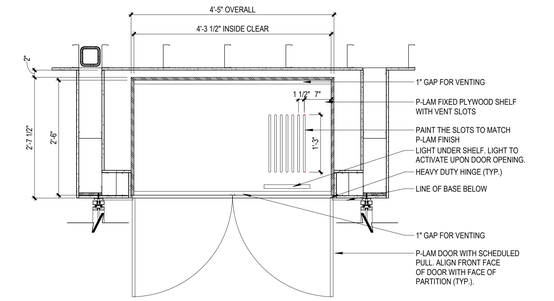
INTERIOR ARCHITECTS
CHICAGO
104 S. MICHIGAN AVENUE, STE 1200
CHICAGO, IL 60603
TEL 312-488-5200 FAX 888-292-8361

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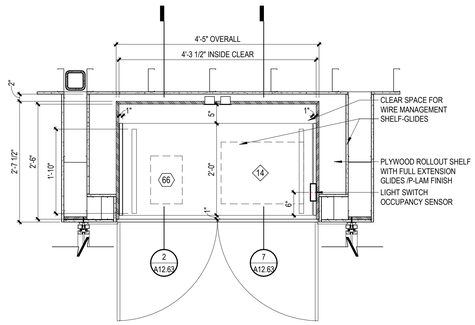
Owner Approval
47BACX.1247.069 — Job No.
As indicated — Scale

FINISH DETAILS

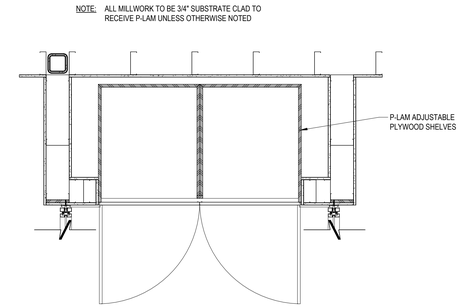
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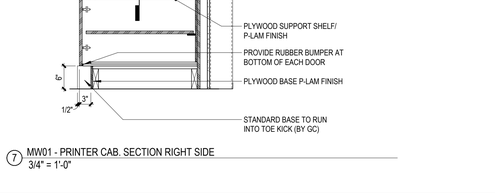
9 MW01 - PRINTER CAB. TOP SHELF
3/4" = 1'-0"



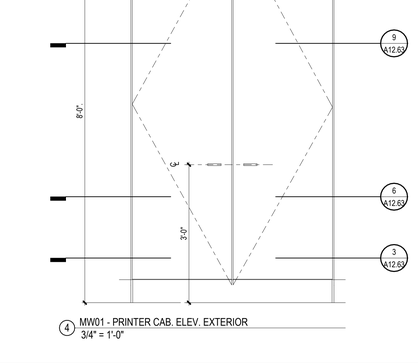
6 MW01 - PRINTER CAB. BOTTOM SHELF
3/4" = 1'-0"



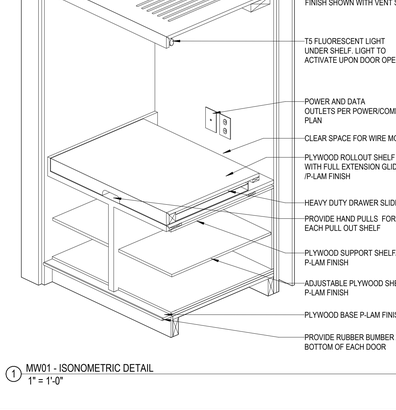
3 MW01 - PRINTER CAB. DRAWERS
3/4" = 1'-0"



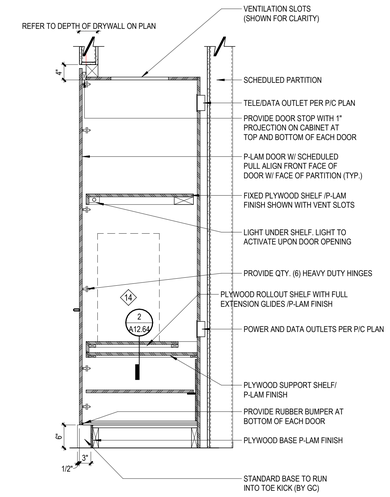
8 MW01 - PRINTER CAB. TOP
3/4" = 1'-0"



5 MW01 - PRINTER CAB. ELEV. INTERIOR
3/4" = 1'-0"



2 MW01 - PRINTER CAB. SECTION LEFT SIDE
3/4" = 1'-0"



7 MW01 - PRINTER CAB. SECTION RIGHT SIDE
3/4" = 1'-0"

4 MW01 - PRINTER CAB. ELEV. EXTERIOR
3/4" = 1'-0"

1 MW01 - ISONOMETRIC DETAIL
1" = 1'-0"

SHEET NOTES

1. FINISH THE INTERIOR OF ENCLOSED MILLWORK CABINETS WITH CL-1, UNLESS NOTED OTHERWISE. CABINETS WITH OPEN SHELVING TO BE PLASTIC LAMINATE CL-1, UNLESS NOTED OTHERWISE.
2. ALL EXPOSED SURFACES OF MILLWORK TO BE PLASTIC LAMINATE, UNLESS NOTED OTHERWISE.
3. PROVIDE A SIDE SPLASH FOR ALL MILLWORK COUNTERS THAT ABUT A WALL.
4. COORDINATE ALL HARDWARE KEYING WITH THE OWNER AND OBTAIN OWNER'S APPROVAL PRIOR TO PLACING HARDWARE ORDER.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
BULLETIN: 04-2025

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THOMAS E POWERS
NUMBER A-2004016314
ARCHITECT

SIGNATURE:
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INTERIOR ARCHITECTS

CHICAGO
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Owner Approval

47BACX.1247.069	As indicated
Job No.	Scale

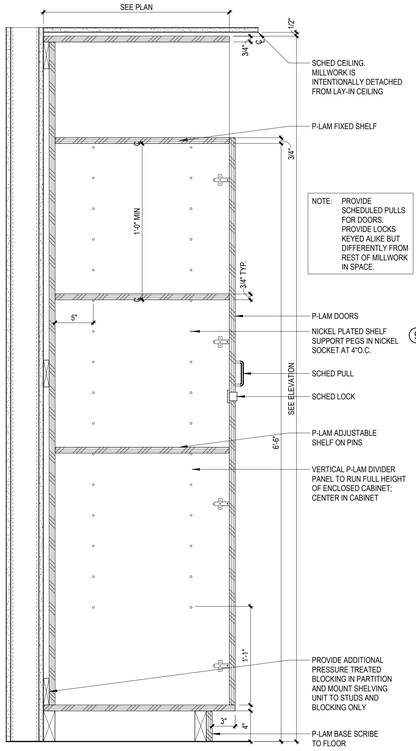
MILLWORK - MW01

A12.63

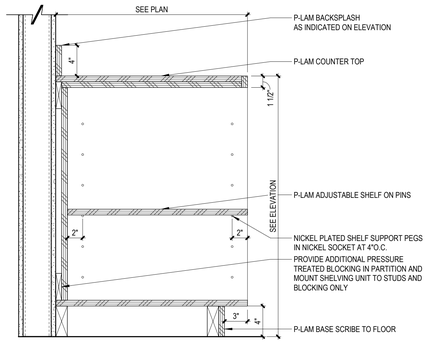
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SHEET NOTES

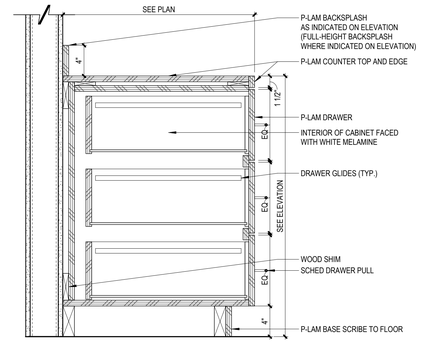
1. FINISH THE INTERIOR OF ENCLOSED MILLWORK CABINETS WITH CL-1, UNLESS NOTED OTHERWISE. CABINETS WITH OPEN SHELVING TO BE PLASTIC LAMINATE CL-1, UNLESS NOTED OTHERWISE.
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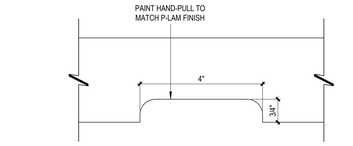
13 SECURE CABINET
1 1/2" = 1'-0"



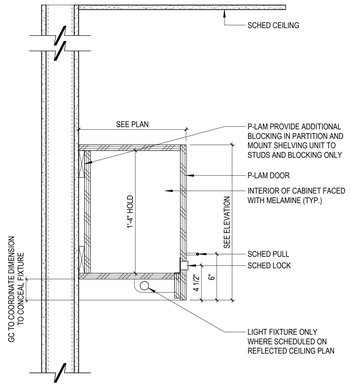
9 COUNTER WITH SHELVING
1 1/2" = 1'-0"



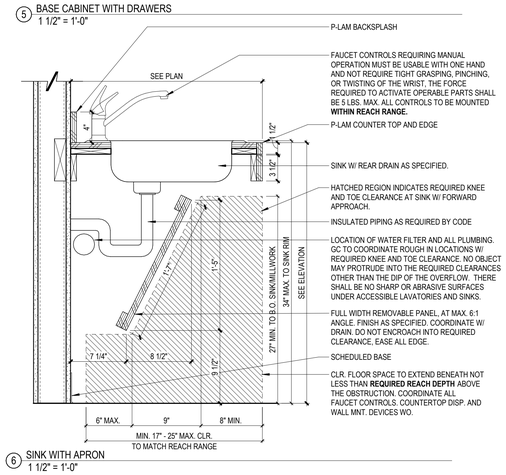
5 BASE CABINET WITH DRAWERS
1 1/2" = 1'-0"



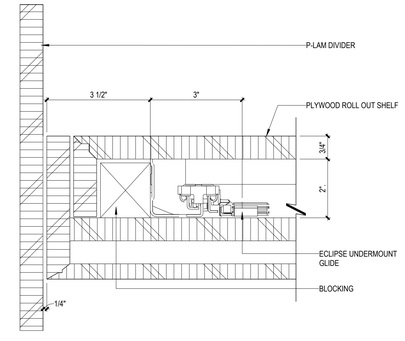
1 HAND-PULL DETAIL
6" = 1'-0"



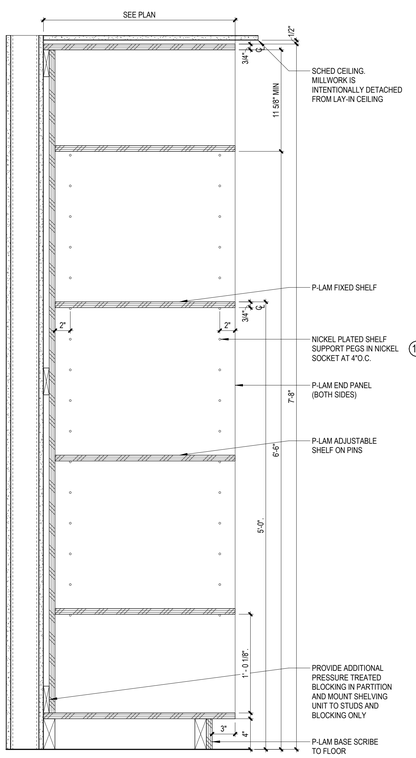
10 OVERHEAD CABINET AT ACT CEILING
1 1/2" = 1'-0"



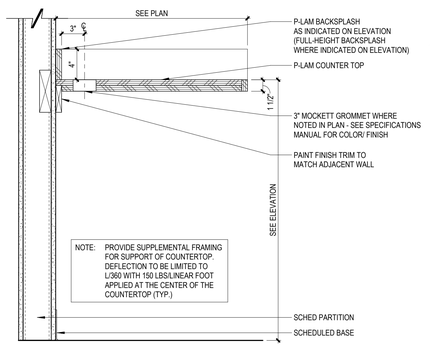
6 SINK WITH APRON
1 1/2" = 1'-0"



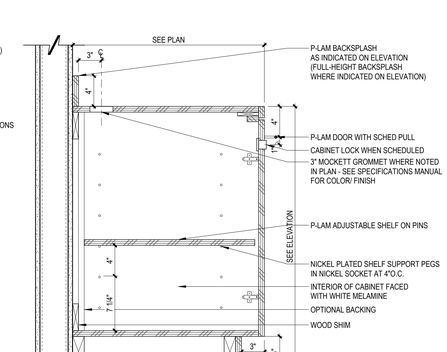
2 SHELF GLIDE DETAIL
6" = 1'-0"



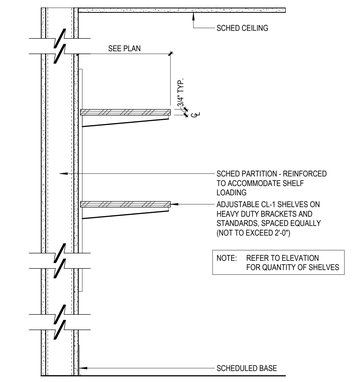
14 SHELVING UNIT
1 1/2" = 1'-0"



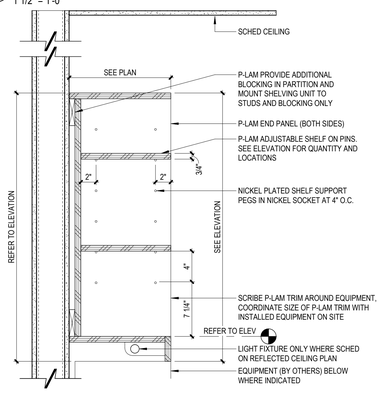
11 OPEN COUNTER
1 1/2" = 1'-0"



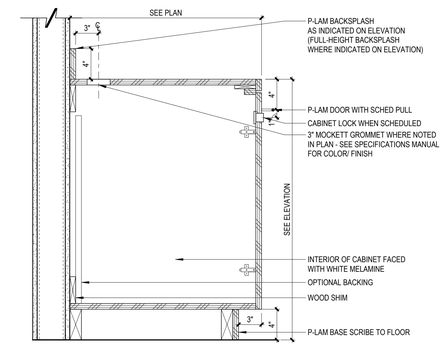
7 BASE CABINET WITH SHELF
1 1/2" = 1'-0"



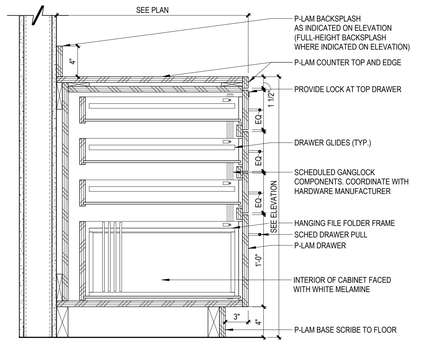
3 ADJUSTABLE WALL SHELVES
1 1/2" = 1'-0"



12 UPPER SHELVING UNIT
1 1/2" = 1'-0"



8 BASE CABINET WITHOUT SHELF
1 1/2" = 1'-0"



4 BASE CABINET WITH DRAWERS AND FILING
1 1/2" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
LEES SUMMIT, MO 64081

SERIAL NUM./MANH. ID: 47BACX.1247.069
VERSION:
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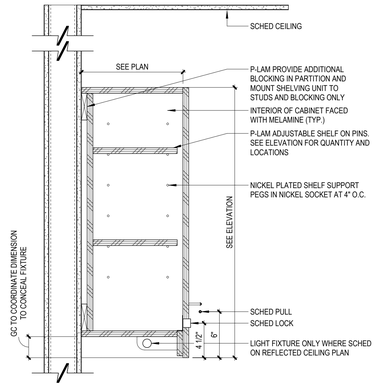
MILLWORK DETAILS

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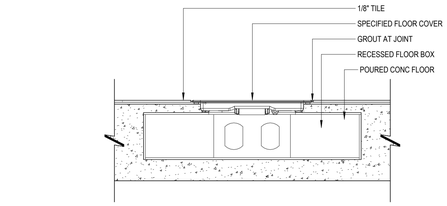
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SHEET NOTES

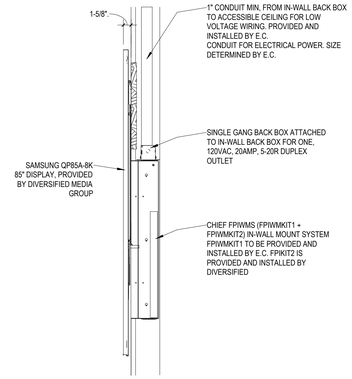
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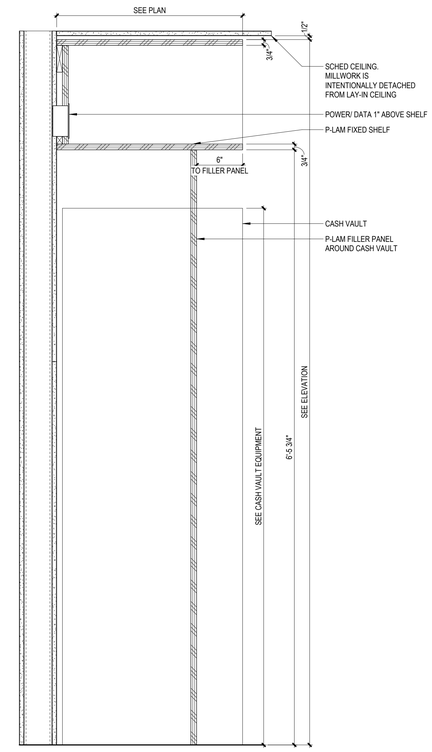
3 MW09 - OVERHEAD CABINET
1 1/2" = 1'-0"

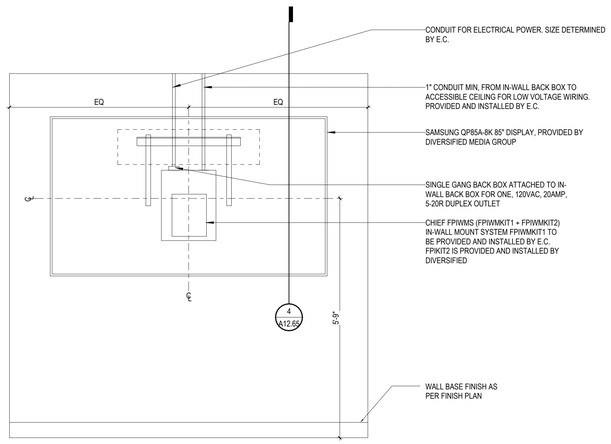


1 FLOOR BOX INSTALLATION
3" = 1'-0"



4 85" MEDIA WALL SECTION DETAIL
1 1/2" = 1'-0"





5 85" MEDIA WALL ELEVATION
3/4" = 1'-0"

2 CASH VAULT MILLWORK
1 1/2" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD
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Owner Approval

47BACX.1247.069 — Job No.
As indicated — Scale

MILLWORK DETAILS

A12.65

3/4/2026 10:19 PM W:\3\47BACX.1247.069\Arch\Revit\47BACX.1247.069_Arch_Central.rvt

CONSTRUCTION DOCUMENTS
BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN ROAD | LEE'S SUMMIT, MISSOURI 64081

PROPOSED	LEGEND	EXISTING
	PROPERTY LINE	
	APPROXIMATE LIMIT OF DISTURBANCE	
1	1-FOOT CONTOUR	1
5	5-FOOT CONTOUR	5
WTR	WATER LINE	WTR
SS	SANITARY SEWER LINE	SAN
SD	STORM DRAIN LINE	SD
	OVERHEAD ELECTRIC LINE	OE
UE	UNDERGROUND ELECTRIC LINE	UE
UT	UNDERGROUND TELECOM LINE	UT
G	GAS LINE	GAS
	TREE/SHRUB	
x	FENCE	x
	SIGN/BOLLARD	
	FIRE HYDRANT	
	WATER METER/VALVE	
	SEWER MANHOLE/CLEANOUT	
	STORM CATCH BASIN/CLEANOUT	
	ELECTRICAL METER/VAULT/PEDESTAL	
	ELECTRICAL TRANSFORMER	
	AC UNIT	
	GAS METER	
	LIGHT POLE/UTILITY POLE/TRAFFIC POLE	
	FLAG POLE	
	PARKING COUNT	
	DRAINAGE SWALE	
	STANDARD PCC PAVEMENT/SIDEWALK PER DETAILS 3 AND 4 ON SHEET C6.0	
	HEAVY-DUTY PCC PAVEMENT PER DETAILS 3 AND 4 ON SHEET C6.0	
	STANDARD AC PAVEMENT PER DETAIL 2 ON SHEET C6.0	
	HEAVY-DUTY AC PAVEMENT PER DETAIL 2 ON SHEET C6.0	
	LANDSCAPE AREA SEE LANDSCAPE PLANS	

TITLE DESCRIPTION:

LOT 1, JOHN KNOX RETIREMENT VILLAGE – 11TH PLAT, A SUBDIVISION IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, ACCORDING TO THE RECORDED PLAT THEREOF.

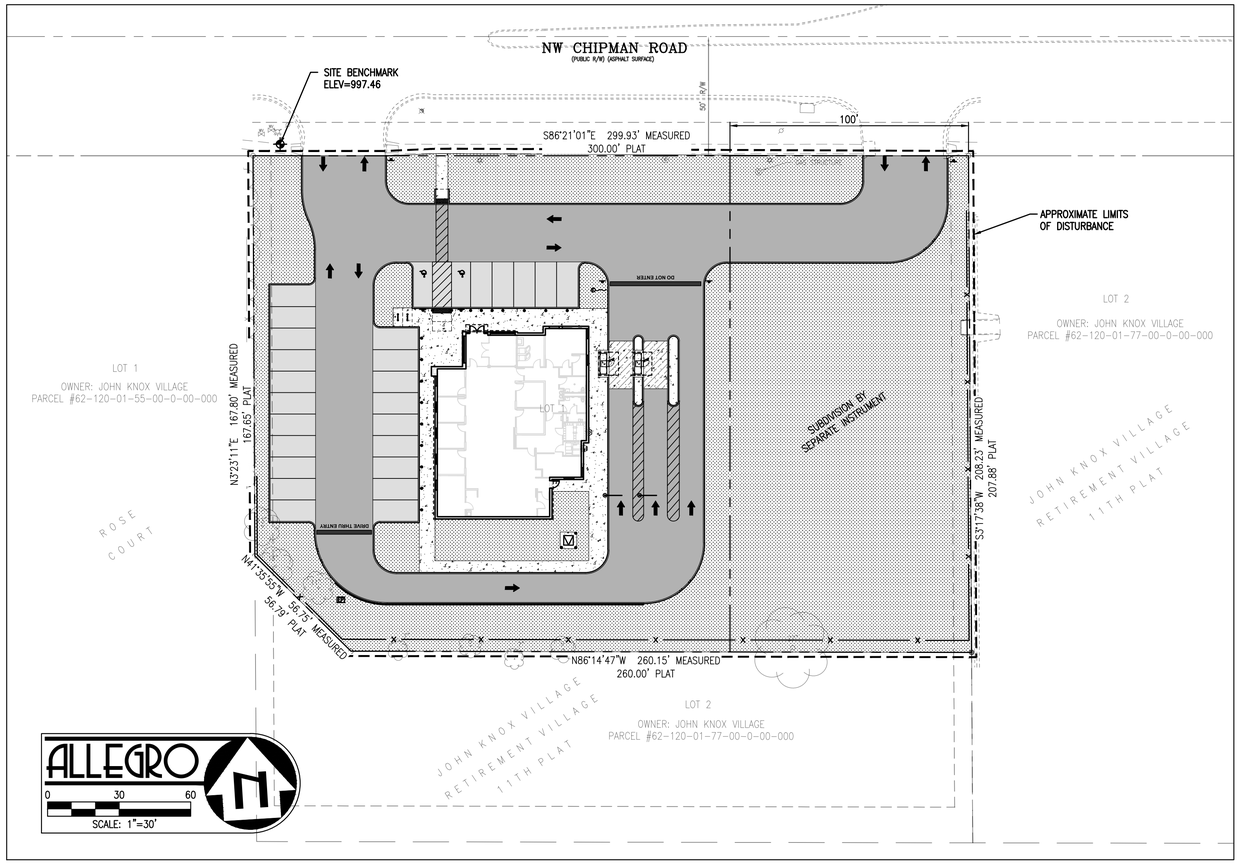
EXISTING WATERSHED:

LITTLE BLUE RIVER

ONSITE OIL AND GAS WELLS:

A SEARCH CONDUCTED USING THE MoDNR OIL AND GAS WELLS GIS MAP CONCLUDED THAT NO OIL AND GAS WELLS–ACTIVE, INACTIVE, OR CAPPED–ARE PRESENT ONSITE.

LAND USE TABLE	
EXISTING	FINANCIAL CENTER WITH REMOTE ATM
PROPOSED	FINANCIAL CENTER WITH REMOTE ATM



CIVIL IMPROVEMENT PLANS / LIMITS OF DISTURBANCE

ABBREVIATIONS:

AC	ASPHALT CONCRETE	FDC	FIRE DEPARTMENT CONNECTION	MON	MONUMENT	ST	STREET or TOP OF STAIR
ADA	AMERICANS WITH DISABILITIES ACT	FF	FINISHED FLOOR	MTR	METER	STD	STANDARD
APN	ASSESSORS PARCEL NUMBER	FG	FINISHED GRADE	N	NORTH	SW	SIDEWALK
APWA	AMERICAN PUBLIC WORKS ASSOCIATION	FH or HYD	FIRE HYDRANT	NG	NATURAL GROUND	T	TELECOM
AVE	AVENUE	FL	FLOW LINE	NIC	NOT IN CONTRACT	TBM	TEMPORARY BENCHMARK
BLDG	BUILDING	FND	FOUND	NO	NUMBER	TC	TOP OF CURB
BLVD	BOULEVARD	FP	FIRE PROTECTION	NTS	NOT TO SCALE	TL	TRAFFIC LIGHT
BFP	BACKFLOW PREVENTER	FT	FEET	OC	ON CENTER	T/ or TOP	TOP OF PIPE
BM	BENCHMARK	G	GAS or GROUND	OH	OVERHANG or OVERHEAD	TS	TRAFFIC SIGNAL
B/ or BOT	BOTTOM	GB	GRADE BREAK	P	PAVEMENT	TSPB	TRAFFIC SIGNAL PULL BOX
C	CONCRETE	GM	GAS METER	PB	PULL BOX	TV	TELECOM VAULT
CB	CATCH BASIN	GV	GAS VALVE	PCC	PORTLAND CEMENT CONCRETE	TYP	TYPICAL
CCTV	CLOSED–CIRCUIT TELEVISION	HDPE	HIGH–DENSITY POLYETHYLENE	PIV	POST INDICATOR VALVE	UE	UNDERGROUND ELECTRIC
CL	CENTERLINE	HWY	HIGHWAY	POC	POINT OF CONNECTION	UT	UNDERGROUND TELECOM
CO	CLEANOUT	IE or INV	INVERT ELEVATION	PP	POWER POLE	UTIL	UTILITY
COMM	COMMUNICATION	IRR	IRRIGATION	PVC	POLYVINYL CHLORIDE	VAR	VARIABLE
CONC	CONCRETE	IV	IRRIGATION VALVE	RD	ROAD	VAT	VACUUM AIR TUBE
CVLT	COMMUNICATION VAULT	JP	JOINT POLE	RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY	VLT	VAULT
DCV	DETECTOR CHECK VALVE	JT	JOINT TRENCH	S	SOUTH	W	WEST
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	L	LENGTH	SAN or SS	SANITARY SEWER	W/	WITH
DI	DROP INLET	LS	LANDSCAPE	SB	BOTTOM OF STAIR	WB	BOTTOM OF WALL
DIA	DIAMETER	LF	LINEAL FEET	SD or STM	STORM DRAIN	WM	WATER METER
DWG	DRAWING	LT	LIGHT	SDMH	STORM DRAIN MANHOLE	WT	TOP OF WALL
E	EAST	MAX	MAXIMUM	SDR35	STANDARD DIMENSIONAL RATIO 35	WTR or W	WATER LINE
ECAB	ELECTRIC CABINET	MH	MANHOLE	SF	SQUARE FEET	WV	WATER VALVE
EG	EXISTING GRADE	MIN	MINIMUM	SL	STREET LIGHT	WVLT	WATER VAULT
EM	ELECTRIC METER	MO	MISSOURI	SPEC	SPECIFICATION		
EVLT	ELECTRIC VAULT	MoDNR	MISSOURI DEPARTMENT OF NATURAL RESOURCES	SSCO	SANITARY SEWER CLEAN OUT		
EX	EXISTING	MoDOT	MISSOURI DEPARTMENT OF TRANSPORTATION	SSMH	SANITARY SEWER MANHOLE		

MISSOURI ONE CALL SYSTEM


SITE
NW Chipman Rd
Regency Ct
NW Pryor Rd
NW Pryor Rd
NW Peace Pkwy
NW Peace Pkwy
NW Peace Pkwy
NW Peace Pkwy
NW Murray Rd
NW Moore St
NW Jason Dr
NW Jason Dr
NW Jason Dr

ENGINEER'S CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE POLICE AND FIRE DEPARTMENTS AND KEEP THEM INFORMED OF DETOURS.
2. CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS ON THE SITE FOR PUBLIC WORKS, AMBULANCE, POLICE, UTILITY LOCATE COMPANIES AND FIRE DEPARTMENT AT ALL TIMES.
3. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OR UNDERGROUND FACILITIES THAT ARE DAMAGED.
4. ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB, EDGE OF PAVEMENT, FACE OF WALL, ALL RADII SHOWN ARE TO THE FACE OF CURB, UNLESS OTHERWISE NOTED.
5. THE CONTRACTOR SHALL CONDUCT HIS/HER WORK SO AS NOT TO INTERFERE WITH OR HINDER THE PROGRESS OF COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS.
6. THE CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED SHALL ASSUME ALL LIABILITY, FINANCIAL OR OTHERWISE, IN CONNECTION WITH HIS/HER CONTRACT AND SHALL PROTECT AND SAVE HARMLESS THE OWNER AND THE OWNER'S REPRESENTATIVES FROM ANY AND ALL DAMAGES OR CLAIMS THAT MAY ARISE BECAUSE OF INCONVENIENCE, DELAYS, OR LOSS EXPERIENCED BECAUSE OF THE PRESENCE AND OPERATIONS OF OTHER CONTRACTORS OR CONSULTANTS WORKING ADJACENT TO OR WITHIN THE LIMITS OF THE PROJECT.
7. CONTRACTOR MUST REPAIR ANY DAMAGE TO PROPERTY DURING CONSTRUCTION. DAMAGED PROPERTY SHALL BE RETURNED TO EXISTING CONDITIONS AT A MINIMUM.
8. PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT STANDARDS AND SPECIFICATIONS (AS APPLICABLE) AND AS DIRECTED BY THE CITY OF LEE'S SUMMIT. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AROUND THE SITE AT ALL TIMES.
9. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE FEATURES AND UTILITIES, AND REPORT ALL DISCREPANCIES TO ENGINEER.
10. ANY AND ALL FIELD MODIFICATIONS TO THESE PLANS MUST BE APPROVED IN WRITING PRIOR TO ANY CONSTRUCTION OR DEMOLITION RESULTING THEREOF. THE ENGINEER IS UNDER NO OBLIGATION TO PROVIDE ANY LEVEL OF CERTIFICATION FOR WORK THAT WAS NOT COMPLETED IN STRICT ACCORDANCE WITH THESE PLANS UNLESS THE ENGINEER DIRECTED THE CONTRACTOR TO MAKE SAID CHANGE BY RESPONDING TO A FORMAL WRITTEN REQUEST FOR INFORMATION (RFI) THAT FOLLOWED THE MUTUALLY AGREED UPON RFI PROCESS.

ENGINEER'S SITE NOTES:

1. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR SAFETY PRECAUTIONS OR PROGRAMS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR SUBCONTRACTOR.
3. THE ENGINEER AND APPLICABLE AGENCY MUST APPROVE, PRIOR TO CONSTRUCTION, ANY ALTERATION OR VARIANCE FROM THESE PLANS, ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.
4. ANY INSPECTION BY THE CITY OF LEE'S SUMMIT, OR THE ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE APPLICABLE CODES AND AGENCY REQUIREMENTS.
5. REMOVAL AND REPLACEMENT QUANTITIES ARE APPROXIMATE. THE EXACT LOCATION OF REMOVAL LIMITS SHALL BE VERIFIED IN THE FIELD AND APPROVED BY THE INSPECTOR PRIOR TO THE START OF CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS AND BONDS PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF REQUIRED CONSTRUCTION PERMITS, AND EROSION CONTROL PLANS AND INSPECTION REPORTS.
8. THE CONTRACTOR SHALL PROVIDE A COPY OF ALL REQUIRED CONSTRUCTION PERMITS TO THE OWNER WITHIN SEVEN (7) DAYS OF ISSUE OF SUBJECT PERMIT.
9. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
10. CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF ARCHITECTURAL, CIVIL, LANDSCAPE, STRUCTURAL, MEP, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING CONSTRUCTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY RELOCATIONS INCLUDING BUT NOT LIMITED TO: UNDERGROUND AND OVERHEAD UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, IRRIGATION STRUCTURES AND OTHER EXISTING APPURTENANCES AS REQUIRED TO FACILITATE THE INSTALLATION OF THE PROPOSED IMPROVEMENTS. ALL RELOCATION WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES/OWNERS SPECIFICATIONS AND SHALL BE APPROVED BY THE GOVERNING AUTHORITIES/OWNERS PRIOR TO COMMENCEMENT OF THE WORK. ALL RESULTING COSTS SHALL BE DEEMED TO BE INCLUDED IN THE CONTRACTOR'S BID.
12. THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY APPARENT ERROR OR OMISSION ON THE PLANS OR SPECIFICATIONS. IN THE EVENT THE CONTRACTOR DISCOVERS ANY APPARENT ERROR OR DISCREPANCY, HE SHALL IMMEDIATELY CALL UPON THE ENGINEER FOR HIS/HER INTERPRETATION AND DECISION, AND SUCH DECISION SHALL BE FINAL.
13. THE CONTRACTOR SHALL COMPLY WITH ALL LEGAL LOAD RESTRICTIONS IN THE HAULING OF MATERIALS ON PUBLIC ROADS BEYOND THE LIMITS OF THE WORK. A SPECIAL HAUL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR DAMAGE WHICH MAY RESULT FORM THE MOVING OF MATERIAL OR EQUIPMENT.

ENGINEER'S SIGNAGE AND STRIPING NOTES:

1. ALL SIGNS SHALL BE STANDARD SIZE AND TO MODOT AND MUTCD STANDARDS UNLESS OTHERWISE NOTED.
2. ALL PARKING RESTRICTION SIGNS SHALL HAVE ENGINEERING GRADE REFLECTIVE SHEETING. ALL OTHER SIGNS SHALL HAVE DIAMOND GRADE REFLECTIVE SHEETING.
3. ALL SIGNS SHALL BE MOUNTED WITH VANDAL-RESISTANT HARDWARE.
4. SIGNS SHALL BE MOUNTED SO THAT THE BOTTOM OF THE SIGN IS AT LEAST 7 FEET FROM THE FINISHED GRADE IN AREAS WHERE PEDESTRIANS MAY BE PRESENT EVEN IF THERE IS NO SIDEWALK, UNLESS OTHERWISE NOTED. TO SATISFY THIS REQUIREMENT, EXISTING POSTS MAY HAVE TO BE REPLACED IF ADDITIONAL SIGNS ARE NEEDED.
5. WHERE POSSIBLE, AT LEAST 2 FEET OF CLEARANCE SHALL BE PROVIDED FROM CURB FACE TO EDGE OF SIGN.
6. ALL PERMANENT STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. YELLOW THERMOPLASTIC SHALL BE LEAD-FREE ORGANIC MATERIAL. CURB MARKINGS SHALL BE PAINTED.
7. ALL STRIPING AND MARKINGS SHALL BE REFLECTORIZED UNLESS OTHERWISE NOTED.
8. ALL EXISTING STRIPING AND MARKINGS THAT CONFLICT WITH PROPOSED STRIPING AND MARKING SHALL BE REMOVED BY WET SANDBLASTING OR GRINDING. PAVEMENT LEGENDS AND ARROWS THAT ARE REMOVED SHALL BE REMOVED IN A BLOCK PATTERN. ALL STRIPING AND MARKING REMOVAL AREAS SHALL BE TREATED WITH AN APPROVED PAVEMENT SEALER.

ENGINEER'S ACCESSIBILITY NOTES:

1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH THE MOST RECENT MISSOURI ACCESSIBILITY CODE AND WITH THE AMERICANS WITH DISABILITIES ACT (ADA), LATEST EDITION.
2. RAMPS SHALL NOT EXCEED A RUNNING SLOPE OF 1:12 (8.33%).
3. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES 1:20 (5%) AND 1:12 (8.33%) AND SHALL HAVE A MINIMUM WIDTH OF 4 FEET AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 30 INCHES VERTICAL CHANGE SHALL HAVE INTERMEDIATE (2% MAX SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60 INCHES. BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72 INCHES.
4. MAXIMUM CROSS-SLOPE ON ANY WALK OR RAMPS SHALL BE 2%. ALL ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
5. ALL WALKS SHALL HAVE A MINIMUM 4 FOOT CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE.

ENGINEER'S EROSION & SEDIMENT CONTROL NOTES:

1. EROSION CONTROL MEASURES SHOWN ARE THE MINIMUM. CONTRACTOR TO USE ALL MEASURES NECESSARY TO PREVENT EROSION AND CONTAIN SEDIMENT ON THE SITE.
2. STOCKPILE SANDBAGS IN PARKWAY AREAS FOR RAPID PLACEMENT IN THE EVENT OF A STORM.
3. EXCEPT AS OTHERWISE DIRECTED BY THE PUBLIC WORKS INSPECTOR, ALL SEDIMENT CONTROLS FOR DRAINAGE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FORECAST OF RAIN PROBABILITY IS AT LEAST 50% AND MAINTAINED DURING THE RAINY SEASON.
4. APPROVED EROSION CONTROL DEVICES MUST BE IN PLACE DURING THE ABOVE STATED PERIOD.
5. CLEAN OUT MUD AND SILT AFTER EACH RAIN OR AS DIRECTED BY THE SITE AND/PUBLIC WORKS INSPECTOR.
6. EROSION CONTROL DEVICES SHOWN ON THE WATER POLLUTION CONTROL PLAN MAY ONLY BE REMOVED WHEN APPROVED BY THE CITY ENGINEER IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
7. GRADED AREAS ADJACENT TO SLOPES MUST DRAIN AWAY FROM THE TOP OF SLOPE AT CONCLUSION OF EACH WORKING DAY WHEN THERE IS A FORECAST OF RAIN.
8. ALL LOOSE SOIL AND DEBRIS, WHICH MAY CREATE A POTENTIAL HAZARD TO OFFSITE PROPERTY, SHALL BE REMOVED FROM THE SITE.
9. DESILTING BASINS SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. SILT AND DEBRIS SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN STORAGE CAPACITY IS MET.
10. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE WITHIN THE SITE SHALL BE LEFT TO THE DISCRETION OF THE FIELD ENGINEER AND CONTRACTOR.
11. EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF DEEMED NECESSARY BY SITE INSPECTION, ADDITIONAL MEASURES WILL BE INSTALLED.
12. SOIL DISTURBING OPERATIONS THAT ARE SUSPENDED FOR MORE THAN SEVEN (7) DAYS SHALL WARRANT TEMPORARY VEGETATION OR OTHER EROSION CONTROL MEASURES AT THE DIRECTION OF THE CITY OF XXX. SOIL DISTURBING OPERATIONS THAT ARE SUSPENDED FOR THIRTY (30) DAYS SHALL WARRANT PERMANENT STABILIZATION.
13. NOTIFY SITE INSPECTOR BEFORE EACH PHASE OF CONSTRUCTION COMMENCES.
14. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL CONFORM TO THE LATEST REGULATIONS FOR THE CITY, COUNTY AND STATE.
15. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE, THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY EXCAVATION-SPOILED DIRT, CONSTRUCTION TRASH OR DEBRIS FROM THE DRAINAGE AREAS SHOWN HEREON IN AN EXPEDITIOUS MANNER.
16. MODOT APPROVED SILT DIKE MUST MEET THE REQUIREMENTS OF THE SPECIFICATIONS CONTAINED IN THE CONSTRUCTION DETAILS OR AN EQUIVALENT PRODUCT APPROVED BY THE OWNER'S REPRESENTATIVE.
17. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE PUBLIC ROADWAY OR INTO THE PUBLIC STORM DRAIN SHALL BE REMOVED IMMEDIATELY.
18. PRIOR TO COMMENCEMENT OF LAND DISTURBING ACTIVITIES, THE LIMITS OF LAND DISTURBANCE SHALL BE DEMARCATED BY APPROPRIATE MEANS. THE LIMITS OF CONSTRUCTION SHALL REMAIN DEMARCATED FOR THE DURATION OF WORK.
19. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
20. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROLS WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION.
21. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN IT IS WITHIN ½ OF THE TOP OF THE PERIMETER CONTROL DEVICE.
22. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN CONSTRUCTION BEING STOPPED UNTIL SUCH MEASURES ARE CORRECTED.
23. A COPY OF ALL APPROVED PERMITS AND PLANS SHALL BE MAINTAINED ON SITE FOR THE DURATION OF CONSTRUCTION.
24. THE CONTRACTOR SHALL MAINTAIN AN ON-SITE DAILY LOG OF ALL MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES. LOG SHALL BE MADE AVAILABLE FOR INSPECTION AT ALL TIMES.
25. CONTRACTOR SHALL ENSURE ALL VEHICLES/EQUIPMENT EXITING THE SITE ARE FREE OF DIRT AND DEBRIS TO PREVENT SEDIMENT TRACKING ONTO PUBLIC ROADWAYS.
26. PERIMETER EROSION CONTROL MEASURES TO BE USED AS NECESSARY BY THE CONTRACTOR TO CONTROL SEDIMENT RUNOFF, INCLUDING AROUND UTILITY TRENCHES. BMPS TO CONTROL PERIMETER SHALL BE SILT FENCE, OR APPROVED EQUIVALENT.
27. CONTRACTOR TO KEEP PAVEMENT AND ADJACENT DRIVE AISLES CLEAN OF DEBRIS AND SEDIMENT AT ALL TIMES. TRUCK WASHOUTS, PAVEMENT SWEEPING, AND ALL OTHER NECESSARY BMPS SHALL BE USED TO PREVENT SEDIMENT FROM LEAVING THE SITE.

PROJECT SPECIFICATION NOTE:

1. UNLESS OTHERWISE NOTED ON THESE PLANS AND THE PROJECT SPECIFICATIONS, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT CITY OF LEE'S SUMMIT, AS APPLICABLE, STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).

PREPARED BY:
ALLEGRO CIVIL ENGINEERS
4322 N. LINCOLN AVE. SUITE A
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(872) 270-3691

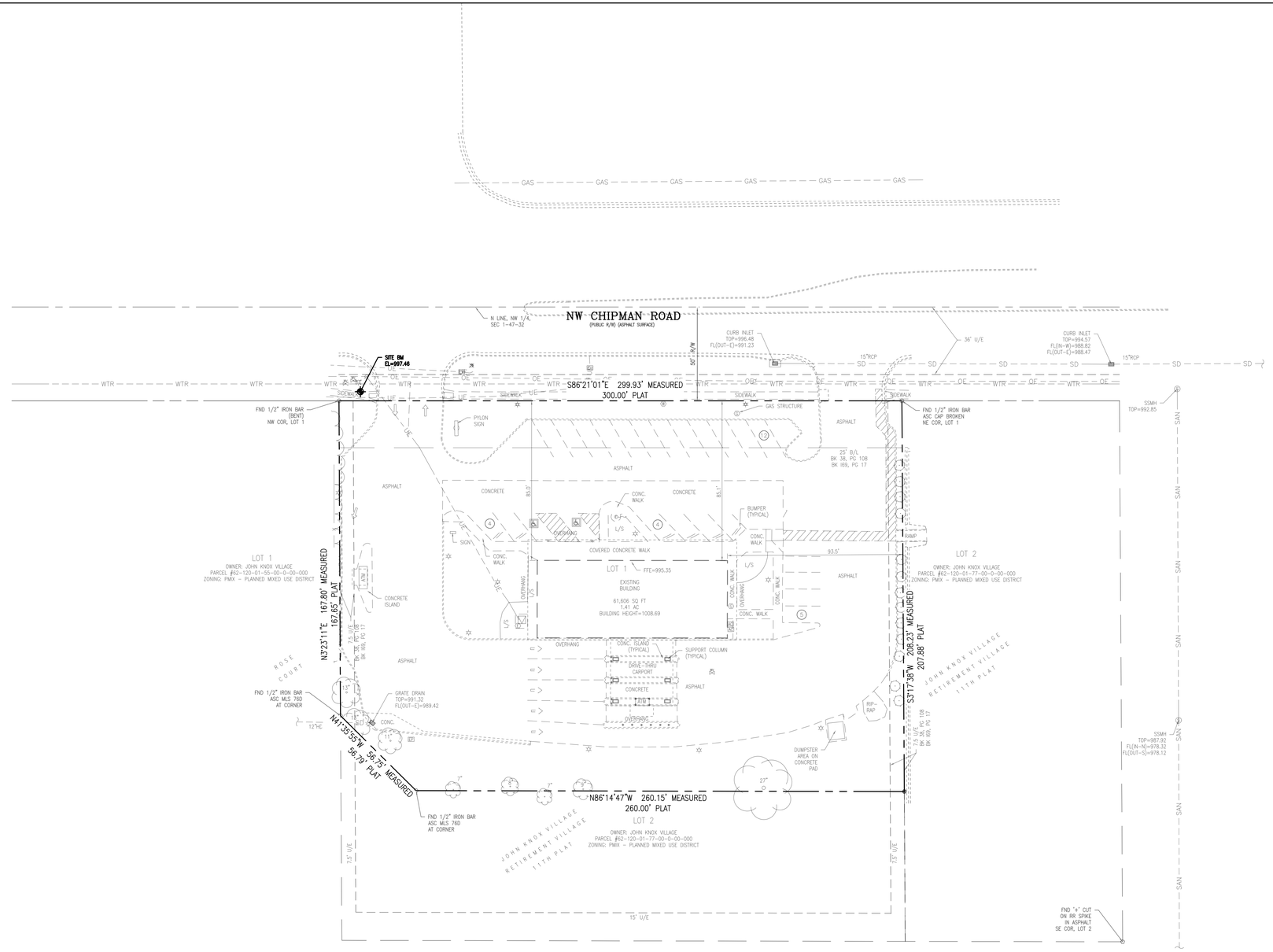
NO.	DATE	REVISION
4	02.12.2026	CD_F
3	01.15.2026	90% CD PROGRESS PRINT
2	12.19.2025	PDP REVIEW COMMENTS
1	11.19.2025	PDP SUBMITTAL

BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
DATE: 02.12.2026

SHEET TITLE
GENERAL NOTES

SHEET NO.
C0.1



LEGEND

PROPOSED		EXISTING
	PROPERTY LINE	
	APPROXIMATE LIMIT OF DISTURBANCE	
	1-FOOT CONTOUR	1
	5-FOOT CONTOUR	5
	WATER LINE	WTR
	SANITARY SEWER LINE	SAN
	STORM DRAIN LINE	SD
	OVERHEAD ELECTRIC LINE	OE
	UNDERGROUND ELECTRIC LINE	UE
	UNDERGROUND TELECOM LINE	UT
	GAS LINE	GAS
	TREE/SHRUB	
	FENCE	x
	SIGN/BOLLARD	
	FIRE HYDRANT	
	WATER METER/VALVE	W
	SEWER MANHOLE/CLEANOUT	S
	STORM CATCH BASIN/CLEANOUT	
	ELECTRICAL METER/VAULT/PEDESTAL	E, EV, EP
	ELECTRICAL TRANSFORMER	
	AC UNIT	AC
	GAS METER	G
	LIGHT POLE/UTILITY POLE/TRAFFIC POLE	
	FLAG POLE	
	PARKING COUNT	X

SURVEY NOTES:

1. TOPOGRAPHIC/BOUNDARY SURVEY PROVIDED BY J&J SURVEY, LLC; DATED SEPTEMBER 23, 2025.
2. BASIS OF BEARINGS: BASIS OF BEARINGS IS ESTABLISHED BY MISSOURI STATE PLANE COORDINATE SYSTEM BY GPS OBSERVATIONS.
3. BENCHMARK JA-43: KC METRO ALUMINUM GRS DISK SET IN CONCRETE AND FLUSH WITH THE GROUND. THE STATION IS ABOUT 0.5 MILES SOUTH OF THE I-470 INTERSECTION WITH DOUGLAS ROAD AND NEAR THE INTERSECTION WITH NW VICTORIA STREET. IT IS ABOUT 230 FEET NORTH OF THE INTERSECTION OF DOUGLAS ROAD AND NW VICTORIA STREET; 32.5 FEET WEST OF THE BACK OF CURB ON DOUGLAS ROAD; 25.2 FEET SOUTHWEST OF A NAIL AND SHINER IN A POWER POLE AND 2 FEET EAST OF A CARSONITE WITNESS POST.
   ELEVATION = 1034.78
4. SITE BENCHMARK: CHISELED "+" IN WALK.
   ELEVATION = 997.46
5. ALL EXISTING INFORMATION PRESENTED IN THESE PLANS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. ANY DISCREPANCIES IN THE PLANS SHALL BE MADE AWARE TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

UTILITY LOCATION NOTE:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPES AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM A SEARCH OF CITY RECORDS, AS WELL INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL INVESTIGATE AND VERIFY THE TRUE VERTICAL AND HORIZONTAL LOCATION AND SIZE OF ANY UNDERGROUND UTILITIES SHOWN OR NOT SHOWN HEREON.

SURVEY SCHEDULE B - PART II NOTES:

ITEMS 1-2, 5-8 AND 14-16 ARE NON-SURVEY RELATED ITEMS.

3. ENCROACHMENTS, OVERLAPS, BOUNDARY DISPUTES, SHORTAGE IN AREA, OR ANY OTHER MATTERS WHICH WOULD BE DISCLOSED BY AN ACCURATE SURVEY AND INSPECTION OF THE PREMISES. AFFECTS SUBJECT PROPERTY, BLANKET IN NATURE.
4. EASEMENTS OR CLAIMS OF EASEMENTS NOT SHOWN BY THE PUBLIC RECORDS. UNDETERMINED.
9. EASEMENTS, RESTRICTIONS AND SETBACK LINES AS PER PLAT, RECORDED AS/IN DOCUMENT NO. 198010432121, PLAT BOOK 38, PAGE 108. AFFECTS SUBJECT PROPERTY AND IS SHOWN HEREON.
10. EASEMENTS, RESTRICTIONS AND SETBACK LINES AS PER PLAT, RECORDED AS/IN DOCUMENT NO. 200110020879, PLAT BOOK 69, PAGE 17. AFFECTS SUBJECT PROPERTY AND IS SHOWN HEREON.
11. AN EASEMENT TO MISSOURI PUBLIC SERVICE COMPANY RECORDED DECEMBER 1, 1960 IN DOCUMENT NO. 196010759376, IN BOOK 1488, PAGE 585. SHOWN HEREON, DOES NOT AFFECT SUBJECT PROPERTY.
12. EASEMENTS RESERVED IN THE SPECIAL WARRANTY DEED FILED DECEMBER 21, 2000 AS DOCUMENT NO. 200010084459. DOES NOT AFFECT SUBJECT PROPERTY.
13. DECLARATION OF EASEMENTS, COVENANTS AND RESTRICTIONS, RECORDED DECEMBER 21, 2000, AS DOCUMENT NO. 200010084460, AS AMENDED BY THE INSTRUMENT RECORDED JULY 12, 2002, AS DOCUMENT NO. 200210058483, BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS, OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42USC 3604(C) OR ANY SIMILAR STATE STATUTE OR LOCAL ORDINANCE. AFFECTS SUBJECT PROPERTY, NO LONGER IN EFFECT (TEMPORARY CONSTRUCTION EASEMENT).

MISSOURI ONE CALL SYSTEM

ALLEGRO 0 30 60 SCALE: 1"=30'

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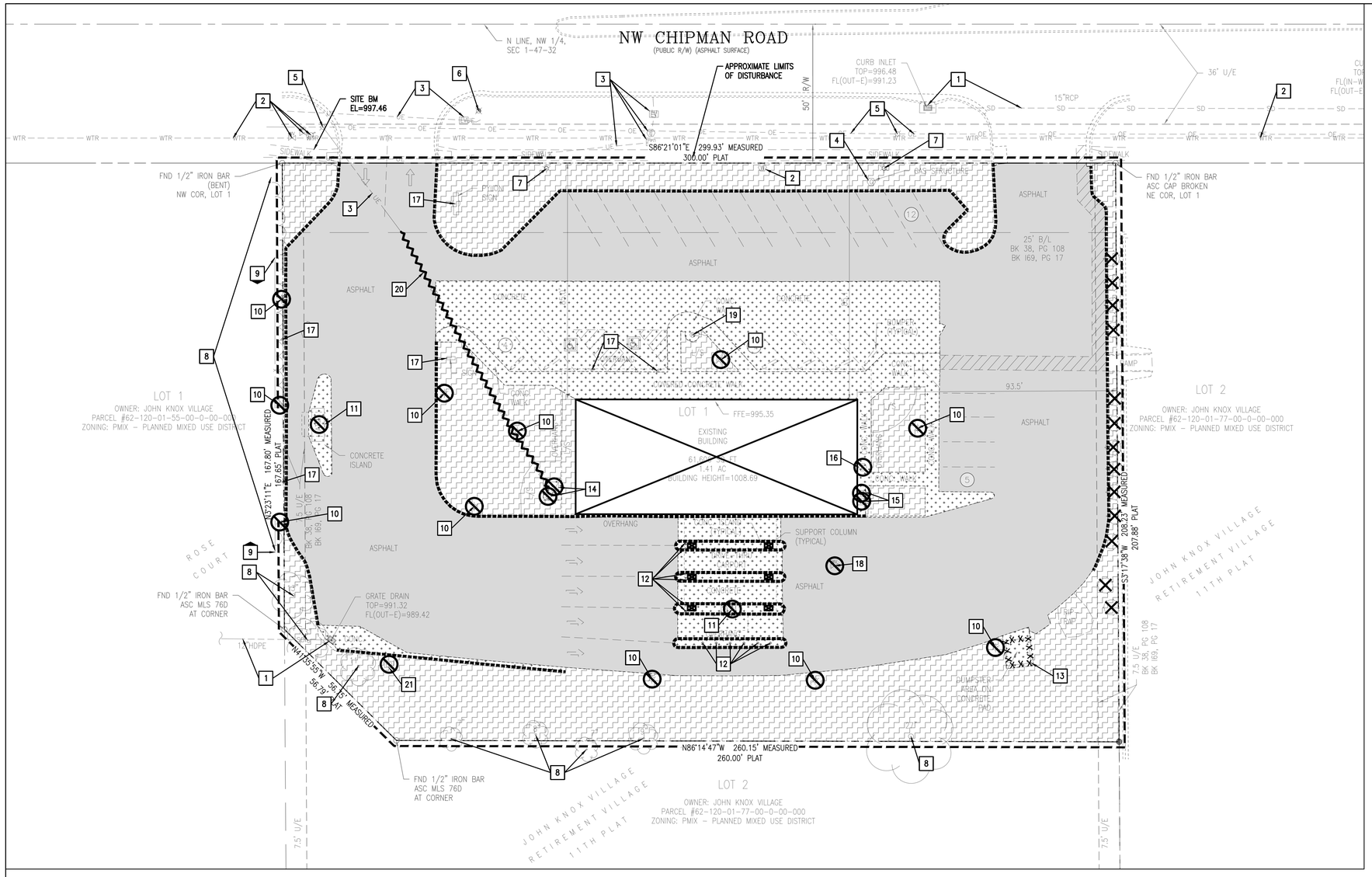
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BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
DATE: 02.12.2026

SHEET TITLE
OVERALL EXISTING CONDITIONS PLAN

SHEET NO.
C1.0



LEGEND

PROPOSED		EXISTING
	PROPERTY LINE	
	APPROXIMATE LIMIT OF DISTURBANCE	
	1-FOOT CONTOUR	1
	5-FOOT CONTOUR	5
	WATER LINE	WTR
	SANITARY SEWER LINE	SAN
	STORM DRAIN LINE	SD
	OVERHEAD ELECTRIC LINE	OE
	UNDERGROUND ELECTRIC LINE	UE
	UNDERGROUND TELECOM LINE	UT
	GAS LINE	GAS
	TREE/SHRUB	
	FENCE	X
	SIGN/BOLLARD	
	FIRE HYDRANT	
	WATER METER/VALVE	W
	SEWER MANHOLE/CLEANOUT	S
	STORM CATCH BASIN/CLEANOUT	
	ELECTRICAL METER/VAULT/PEDESTAL	E, EV, EP
	ELECTRICAL TRANSFORMER	
	AC UNIT	AC
	GAS METER	G
	LIGHT POLE/UTILITY POLE/TRAFFIC POLE	
	FLAG POLE	
	PARKING COUNT	X

DEMOLITION LEGEND

- CLEAR AND GRUB EXISTING LANDSCAPE AREA. DO NOT DISTURB TREES, UNLESS OTHERWISE INDICATED. IN ALL EXISTING LANDSCAPED AREAS - REMOVE WEEDS, ADD SOD AND PLANTINGS AS REQUIRED BY PRE-CONSTRUCTION VISIT AND CONSTRUCTION MANAGER
- DEMO AND REMOVE ASPHALT PAVEMENT, FULL DEPTH - INCLUDING BASE MATERIALS
- DEMO AND REMOVE CONCRETE PAVEMENT, FULL DEPTH - INCLUDING BASE MATERIALS.
- DEMO AND REMOVE EXISTING BUILDING AND FOUNDATION, FULL DEPTH - INCLUDING BASE MATERIALS.
- FULL DEPTH PAVEMENT SAWCUT AND CONFORM TO A CLEAN, NEAT EDGE PER DETAIL 1 ON SHEET C6.0. FOR CONCRETE, EXTEND SAWCUT TO NEAREST SCORE MARK.
- DEMO AND REMOVE EXISTING CURB AND GUTTER - INCLUDING BASE MATERIALS.
- DEMO AND REMOVE EXISTING FENCE/GATE.
- DEMO AND REMOVE EXISTING UTILITY LINE/PIPE.
- DEMO AND REMOVE EXISTING UTILITY STRUCTURE.
- DEMO AND REMOVE EXISTING TREE, INCLUDING ROOT BALL.

DEMOLITION PLAN KEY NOTES

1. EXISTING STORM STRUCTURE/PIPE(S) TO REMAIN - PROTECT IN PLACE
2. EXISTING WATER STRUCTURE/PIPE(S) TO REMAIN - PROTECT IN PLACE
3. EXISTING ELECTRIC STRUCTURE/LINES(S) TO REMAIN - PROTECT IN PLACE
4. EXISTING GAS STRUCTURE/LINES(S) TO REMAIN - PROTECT IN PLACE
5. EXISTING UTILITY POLE AND OVERHEAD LINE(S) TO REMAIN - PROTECT IN PLACE
6. EXISTING TRAFFIC POLE AND MAST ARM TO REMAIN - PROTECT IN PLACE
7. EXISTING LIGHT POLE TO REMAIN - PROTECT IN PLACE
8. EXISTING TREE/SHUB TO REMAIN - PROTECT IN PLACE
9. EXISTING SCREENING FENCE TO REMAIN - PROTECT IN PLACE
10. DEMO AND REMOVE EXISTING LIGHT POLE, INCLUDING BASE
11. DEMO AND REMOVE EXISTING ATM AND PROTECTIVE BOLLARDS
12. DEMO AND REMOVE EXISTING BOLLARD
13. DEMO AND REMOVE EXISTING TRASH ENCLOSURE
14. DEMO AND REMOVE EXISTING ELECTRICAL PEDESTAL/METER/TRANSFORMER
15. DEMO AND REMOVE EXISTING AC UNIT
16. DEMO AND REMOVE EXISTING GAS METER
17. DEMO AND REMOVE EXISTING SIGN/PYLON SIGN
18. DEMO AND REMOVE EXISTING WATER VALVE
19. DEMO AND REMOVE EXISTING FLAG POLE
20. DEMO AND REMOVE EXISTING UNDERGROUND ELECTRICAL SERVICE
21. DEMO AND REMOVE EXISTING UTILITY STRUCTURE

ALLEGRO
0 20 40
SCALE: 1"=20'

SURVEY NOTES:

1. TOPOGRAPHIC/BOUNDARY SURVEY PROVIDED BY J&J SURVEY, LLC; DATED SEPTEMBER 23, 2025.
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   ELEVATION = 1034.78
4. SITE BENCHMARK: CHISELED "+" IN WALK.
   ELEVATION = 997.46
5. ALL EXISTING INFORMATION PRESENTED IN THESE PLANS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. ANY DISCREPANCIES IN THE PLANS SHALL BE MADE AWARE TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

UTILITY LOCATION NOTE:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPES AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM A SEARCH OF CITY RECORDS, AS WELL INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL INVESTIGATE AND VERIFY THE TRUE VERTICAL AND HORIZONTAL LOCATION AND SIZE OF ANY UNDERGROUND UTILITIES SHOWN OR NOT SHOWN HEREON.

MISSOURI ONE CALL SYSTEM

GENERAL NOTES:

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3. ALL CONSTRUCTION SHALL CONFORM TO APPLICABLE STATE AND LOCAL CODES. WHEN CODES ARE IN CONFLICT, THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL CAUSE A CURRENT COPY OF SAID CODES TO BE MAINTAINED ON SITE AT ALL TIMES.
4. ALL SIGNAGE AND PAINT MARKINGS SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), OR AS OTHERWISE SPECIFIED. INSTALLATION OF SIGNS SHALL BE GOVERNED BY LOCAL CODES.
5. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER AT LEAST THREE DAYS PRIOR TO ANY SITE WORK FOR PROPER IDENTIFICATION OF EXISTING UTILITIES.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

EXISTING CONDITIONS/DEMOLITION NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND/OR PROTECTION OF THE EXISTING ITEMS AS NOTED ON THIS PLAN.
2. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES.
3. CONTRACTOR IS TO DISPOSE OF ALL MATERIAL RESULTING FROM PREVIOUS AND CURRENT DEMOLITION IN ACCORDANCE WITH ALL LOCAL, STATE, AND/OR FEDERAL LAWS.
4. THE CONTRACTOR IS CAUTIONED TO LOCATE ALL EXISTING EASEMENTS, UTILITIES AND CONFLICTS. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY CONSTRUCTION ACTIVITY IN ORDER TO FIELD VERIFY EXISTING UTILITY INFORMATION
5. EXISTING OFF-SITE UTILITY LOCATIONS ARE APPROXIMATE AND BASED ON RECORD DRAWINGS OR AS-BUILT INFORMATION.
6. LOCATION OF EXISTING ON-SITE UNDERGROUND UTILITIES HAVE NOT BEEN SURVEYED AND ARE SHOWN BASED ON LOCATIONS OF EXISTING VISIBLE UTILITY STRUCTURES SURVEYED IN THE FIELD. EXACT LOCATIONS OF ALL UTILITIES MUST BE LOCATED IN THE FIELD BY THE CONTRACTOR. PROTECT ALL EXISTING UTILITIES IN PLACE NOT SHOWN TO BE REMOVED.
7. CONTRACTOR TO PROTECT EXISTING STREET LIGHTS & POSTS, TRAFFIC SIGNALS & POSTS, TRAFFIC CONTROL DEVICES, SIGNS AND UTILITY BOXES IN THE SIDEWALK; UNLESS OTHERWISE NOTED
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DEMOLITION PERMITS AS REQUIRED FROM CITY OF LEE'S SUMMIT OR ANY OTHER AGENCY HAVING JURISDICTION. CONTRACTOR SHALL FOLLOW ALL JURISDICTIONAL AIR QUALITY AND WASTE/RECYCLING REQUIREMENTS.
9. CONTRACTOR TO VERIFY LOCATION, SIZE, AND DEPTH OF ALL EXISTING UTILITIES AND REPORT ANY DISCREPANCIES TO THE OWNER AND ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

ALLEGRO CIVIL ENGINEERS
PREPARED BY:
ALLEGRO CIVIL ENGINEERS
4322 N. LINCOLN AVE. SUITE A
CHICAGO, IL 60618
(872) 270-3691

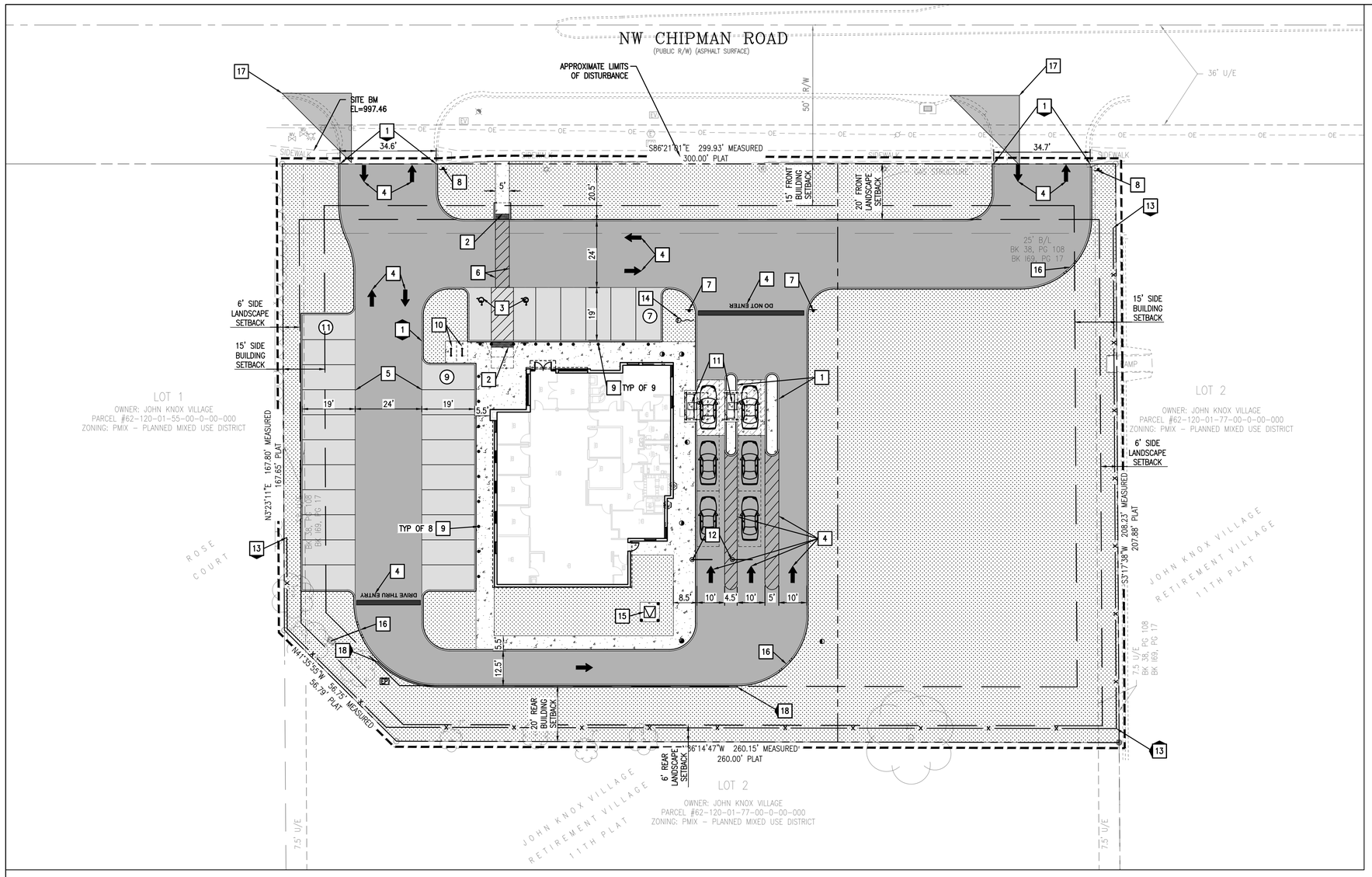
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4	02.12.2026	CD_F

BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
DATE: 02.12.2026

SHEET TITLE
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET NO.
C1.1



LEGEND

PROPOSED		EXISTING
	PROPERTY LINE	
	APPROXIMATE LIMIT OF DISTURBANCE	
1	1-FOOT CONTOUR	1
5	5-FOOT CONTOUR	5
WTR	WATER LINE	WTR
SS	SANITARY SEWER LINE	SAN
SD	STORM DRAIN LINE	SD
OE	OVERHEAD ELECTRIC LINE	OE
UE	UNDERGROUND ELECTRIC LINE	UE
UT	UNDERGROUND TELECOM LINE	UT
G	GAS LINE	GAS
	TREE/SHRUB	
x	FENCE	x
	SIGN/BOLLARD	
	FIRE HYDRANT	
	WATER METER/VALVE	
S	SEWER MANHOLE/CLEANOUT	S
	STORM CATCH BASIN/CLEANOUT	
E EP	ELECTRICAL METER/VAULT/PEDESTAL	E EV EP
	ELECTRICAL TRANSFORMER	
	AC UNIT	AC
G	GAS METER	G
	LIGHT POLE/UTILITY POLE/TRAFFIC POLE	
	FLAG POLE	
X	PARKING COUNT	X
	DRAINAGE SWALE	
	STANDARD PCC PAVEMENT/SIDEWALK PER DETAILS 3 AND 4 ON SHEET C6.0	
	HEAVY-DUTY PCC PAVEMENT PER DETAILS 3 AND 4 ON SHEET C6.0	
	STANDARD AC PAVEMENT PER DETAIL 2 ON SHEET C6.0	
	HEAVY-DUTY AC PAVEMENT PER DETAIL 2 ON SHEET C6.0	
	LANDSCAPE AREA SEE LANDSCAPE PLANS	

SITE PLAN KEY NOTES

1. PROPOSED 6" TYPE C-1 STRAIGHT CURB, PER DETAIL 5 ON SHEET C6.0
2. PROPOSED ACCESSIBLE CURB RAMP WITH DETECTABLE WARNING TRUNCATED DOMES, PER DETAIL 7 ON SHEET C6.0
3. PROPOSED ACCESSIBLE PARKING STALL WITH PCC WHEELSTOP, ACCESSIBLE LOADING AREA WITH PAVEMENT MARKINGS, AND ADA SIGNAGE, PER DETAILS 1 THRU 4 ON SHEET C6.1
4. PROPOSED PAVEMENT DIRECTIONAL ARROW AND/OR TEXT, TRAFFIC WHITE PAINT, MINIMUM TWO COATS. DIMENSIONS PER MUTCD STANDARDS (TYP)
5. PROPOSED 4" WIDE PARKING STALL STRIPING, TRAFFIC WHITE PAINT, MINIMUM 2 COATS
6. PROPOSED 4" WIDE CROSSWALK STRIPING, TRAFFIC WHITE PAINT, MINIMUM 2 COATS
7. PROPOSED "DO NOT ENTER" R5-1 SIGN, PER MUTCD STANDARDS. SIGN POST PER DETAIL 4 ON SHEET C6.1
8. PROPOSED "STOP" R1-1 SIGN, PER MUTCD STANDARDS. SIGN POST PER DETAIL 4 ON SHEET C6.1
9. PROPOSED BOLLARD, PER DETAIL 8 ON SHEET C6.0
10. PROPOSED "U" BIKE RACK (2), PER DETAIL 5 ON SHEET C6.1
11. PROPOSED DRIVE UP ATM ON 4" PCC PAD. ADJUST GRADING AS NECESSARY. FOUNDATION AND BOLLARDS. SEE ARCHITECTURAL PLANS.
12. PROPOSED CLEARANCE BAR, PER DETAIL 6 ON SHEET C6.1
13. PROPOSED 6' TALL SCREEN FENCE, PER DETAIL 2 ON SHEET C6.3.
14. PROPOSED FLAG POLE. SEE ARCHITECTURAL PLANS.
15. PROPOSED ELECTRICAL TRANSFORMER ON PCC PAD WITH PROTECTIVE BOLLARDS. BOLLARDS PER DETAIL 8 ON SHEET C6.0
16. PROPOSED CURB CUT FOR STORMWATER CONVEYANCE, PER DETAIL 6 ON SHEET C6.0
17. PROPOSED SIGHT TRIANGLES
18. CAST-IN-PLACE CONCRETE RETAINING WALL (MAX EXPOSURE = 3.5')

ALLEGRO
0 20 40
SCALE: 1"=20'

SURVEY NOTES:

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   ELEVATION = 1034.78
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ACCESSIBILITY NOTES:

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2. RAMPS SHALL NOT EXCEED A RUNNING SLOPE OF 1:12 (8.33%).
3. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES 1:20 (5%) AND 1:12 (8.33%) AND SHALL HAVE A MINIMUM WIDTH OF 4 FEET AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 30 INCHES VERTICAL CHANGE SHALL HAVE INTERMEDIATE (2% MAX SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60 INCHES. BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72 INCHES.
4. MAXIMUM CROSS-SLOPE ON ANY WALK OR RAMPS SHALL BE 2%. ALL ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
5. ALL WALKS SHALL HAVE A MINIMUM 4 FOOT CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE.

MISSOURI ONE CALL SYSTEM

ALLEGRO CIVIL ENGINEERS
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CHICAGO, IL 60618
(872) 270-3691

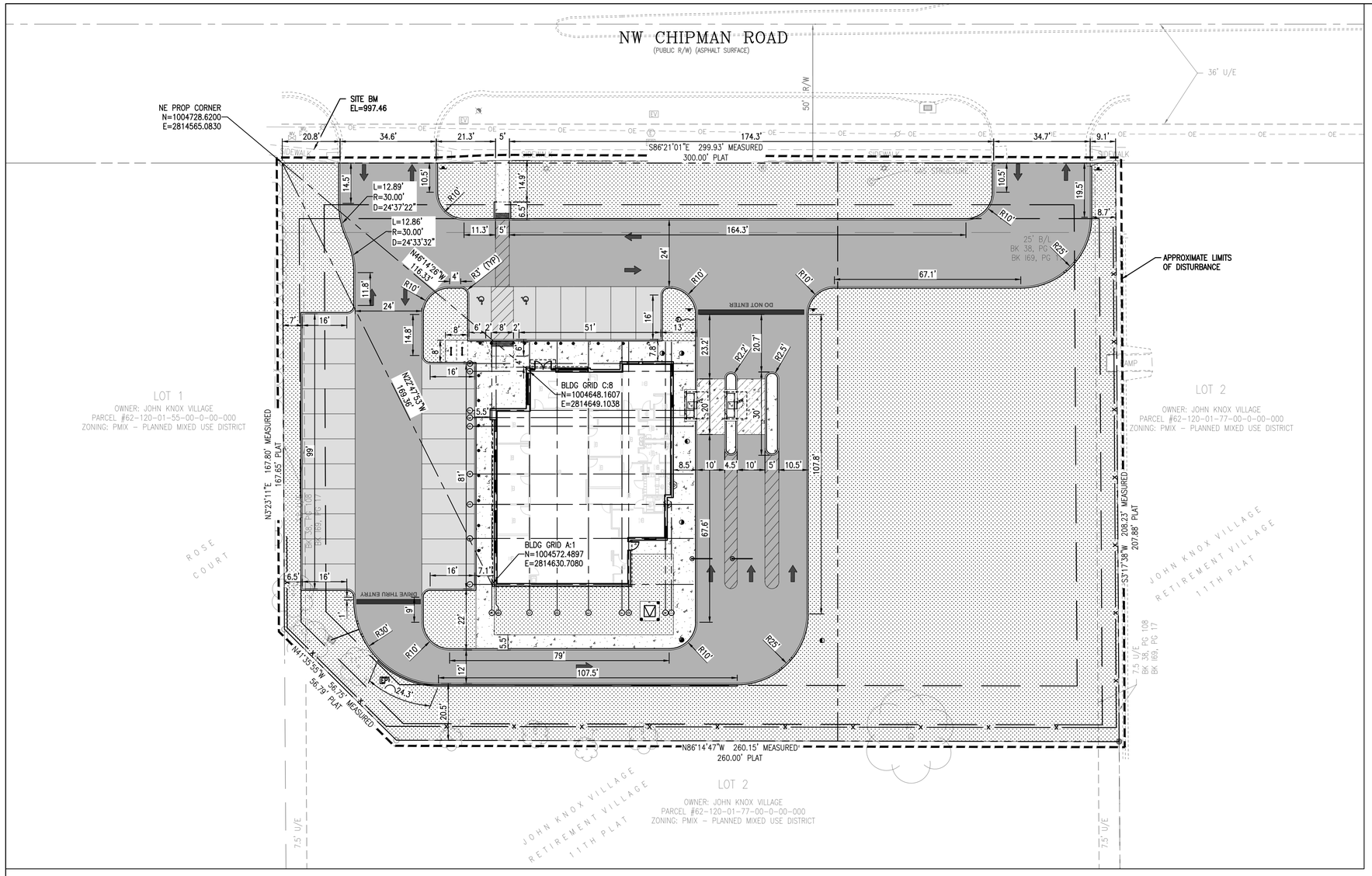
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BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
DATE: 02.12.2026

SHEET TITLE
SITE, PAVING AND STRIPING PLAN

SHEET NO.
C2.0



LEGEND

PROPOSED		EXISTING
	PROPERTY LINE	
	APPROXIMATE LIMIT OF DISTURBANCE	
1	1-FOOT CONTOUR	1
5	5-FOOT CONTOUR	5
WTR	WATER LINE	WTR
SS	SANITARY SEWER LINE	SAN
SD	STORM DRAIN LINE	SD
	OVERHEAD ELECTRIC LINE	OE
UE	UNDERGROUND ELECTRIC LINE	UE
UT	UNDERGROUND TELECOM LINE	UT
G	GAS LINE	GAS
	TREE/SHRUB	
x	FENCE	x
	SIGN/BOLLARD	
	FIRE HYDRANT	
	WATER METER/VALVE	
S	SEWER MANHOLE/CLEANOUT	S
	STORM CATCH BASIN/CLEANOUT	
E EP	ELECTRICAL METER/VAULT/PEDESTAL	E EV EP
	ELECTRICAL TRANSFORMER	
	AC UNIT	AC
G	GAS METER	G
	LIGHT POLE/UTILITY POLE/TRAFFIC POLE	
	FLAG POLE	
X	PARKING COUNT	X
	DRAINAGE SWALE	
	STANDARD PCC PAVEMENT/SIDEWALK PER DETAILS 3 AND 4 ON SHEET C6.0	
	HEAVY-DUTY PCC PAVEMENT PER DETAILS 3 AND 4 ON SHEET C6.0	
	STANDARD AC PAVEMENT PER DETAIL 2 ON SHEET C6.0	
	HEAVY-DUTY AC PAVEMENT PER DETAIL 2 ON SHEET C6.0	
	LANDSCAPE AREA SEE LANDSCAPE PLANS	

ALLEGRO
0 20 40
SCALE: 1"=20'

SURVEY NOTES:

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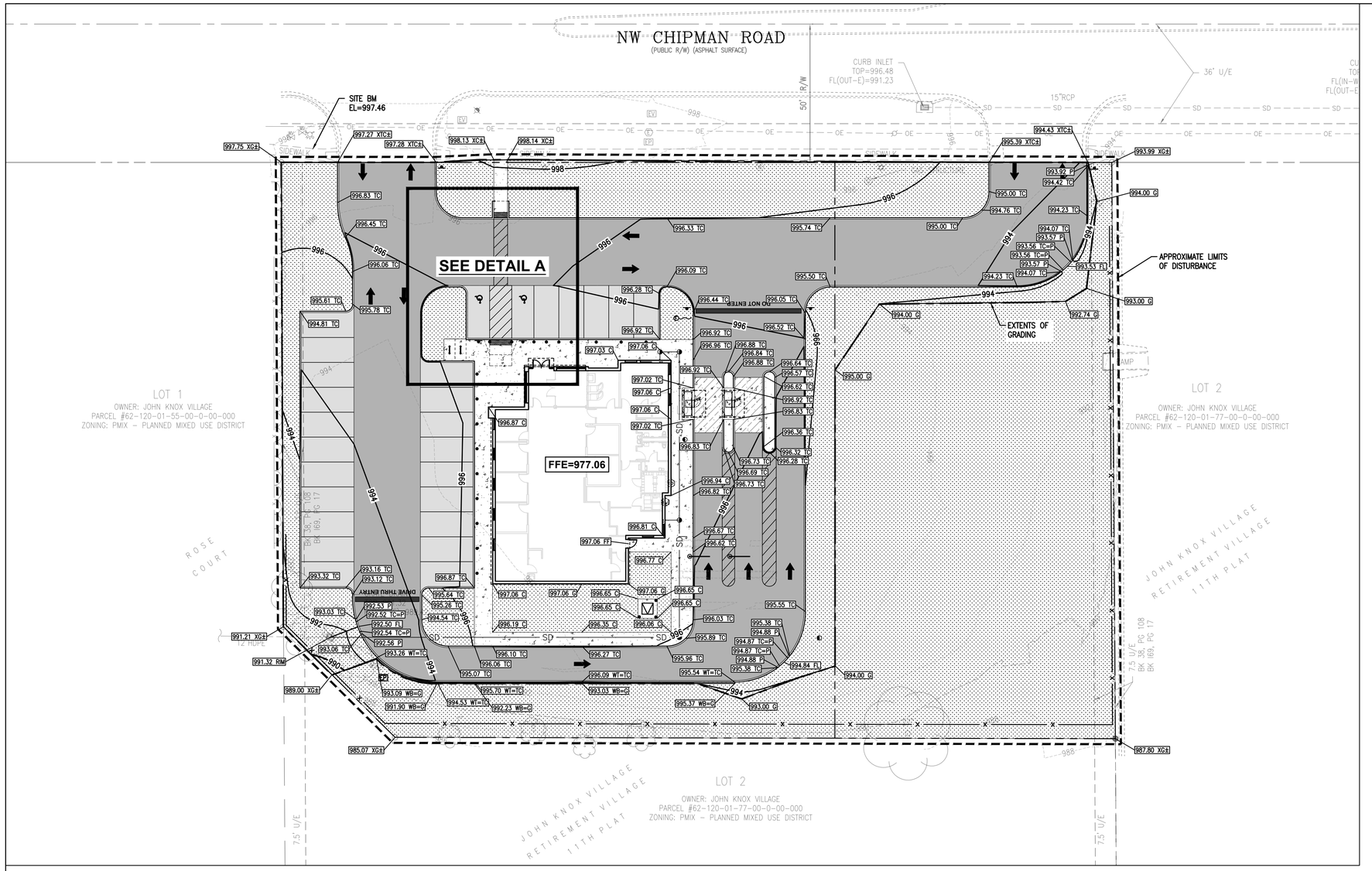
BANK OF AMERICA - CHIPMAN RD

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PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
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SHEET TITLE
HORIZONTAL CONTROL PLAN

SHEET NO.
C2.1

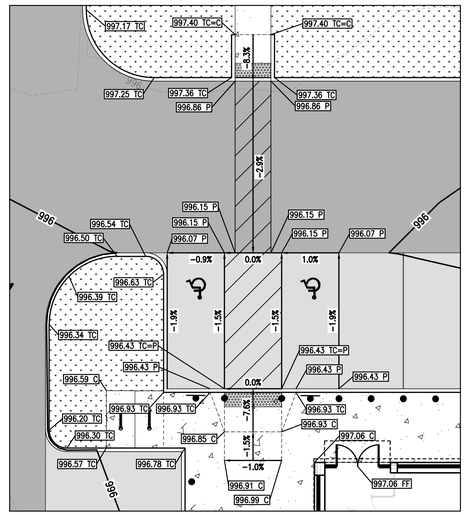


LEGEND

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	PROPERTY LINE	
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x	FENCE	x
	SIGN/BOLLARD	
	FIRE HYDRANT	
	WATER METER/VALVE	
S	SEWER MANHOLE/CLEANOUT	S
	STORM CATCH BASIN/CLEANOUT	
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	HEAVY-DUTY AC PAVEMENT PER DETAIL 2 ON SHEET C6.0	
	LANDSCAPE AREA SEE LANDSCAPE PLANS	

SPOT GRADING LEGEND

10.00 X_	PROPOSED ELEVATION TO MATCH EXISTING ITEM
10.00 FL	PROPOSED ELEVATION AT FLOW LINE
10.00 C	PROPOSED ELEVATION AT TOP OF CONCRETE PAVEMENT
10.00 FF	PROPOSED ELEVATION AT FINISHED FLOOR
10.00 P	PROPOSED ELEVATION AT TOP OF ASPHALT PAVEMENT
10.00 TC	PROPOSED ELEVATION AT TOP OF CURB
10.00 WB	PROPOSED ELEVATION AT BOTTOM OF WALL
10.00 WT	PROPOSED ELEVATION AT TOP OF WALL
1.5%	PROPOSED DRAINAGE SLOPE ARROW



DETAIL A
SCALE: 1"=10'

ALLEGRO
0 20 40
SCALE: 1"=20'

MISSOURI ONE CALL SYSTEM

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GRADING NOTES:

1. ALL GRADE BREAKS SHALL BE CONSTRUCTED AS A VERTICAL CURVE TO AVOID ANY DEFINED CRESTS OR SAGS.
2. UNLESS OTHERWISE NOTED, PAVEMENT ELEVATION (P) IS 6" BELOW THE TOP OF CURB (TC) ELEVATION.

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5. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER AT LEAST THREE DAYS PRIOR TO ANY SITE WORK FOR PROPER IDENTIFICATION OF EXISTING UTILITIES.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

ACCESSIBILITY NOTES:

1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH THE LATEST MISSOURI ACCESSIBILITY CODE, AND WITH THE AMERICANS WITH DISABILITIES ACT (ADA), LATEST EDITION.
2. RAMPS SHALL NOT EXCEED A RUNNING SLOPE OF 1:12 (8.33%).
3. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES 1:20 (5%) AND 1:12 (8.33%) AND SHALL HAVE A MINIMUM WIDTH OF 4 FEET AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 30 INCHES VERTICAL CHANGE SHALL HAVE INTERMEDIATE (2% MAX SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60 INCHES. BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72 INCHES.
4. MAXIMUM CROSS-SLOPE ON ANY WALK OR RAMPS SHALL BE 2%. ALL ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
5. ALL WALKS SHALL HAVE A MINIMUM 4 FOOT CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE.

ALLEGRO CIVIL ENGINEERS

PREPARED BY:
ALLEGRO CIVIL ENGINEERS
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(872) 270-3691

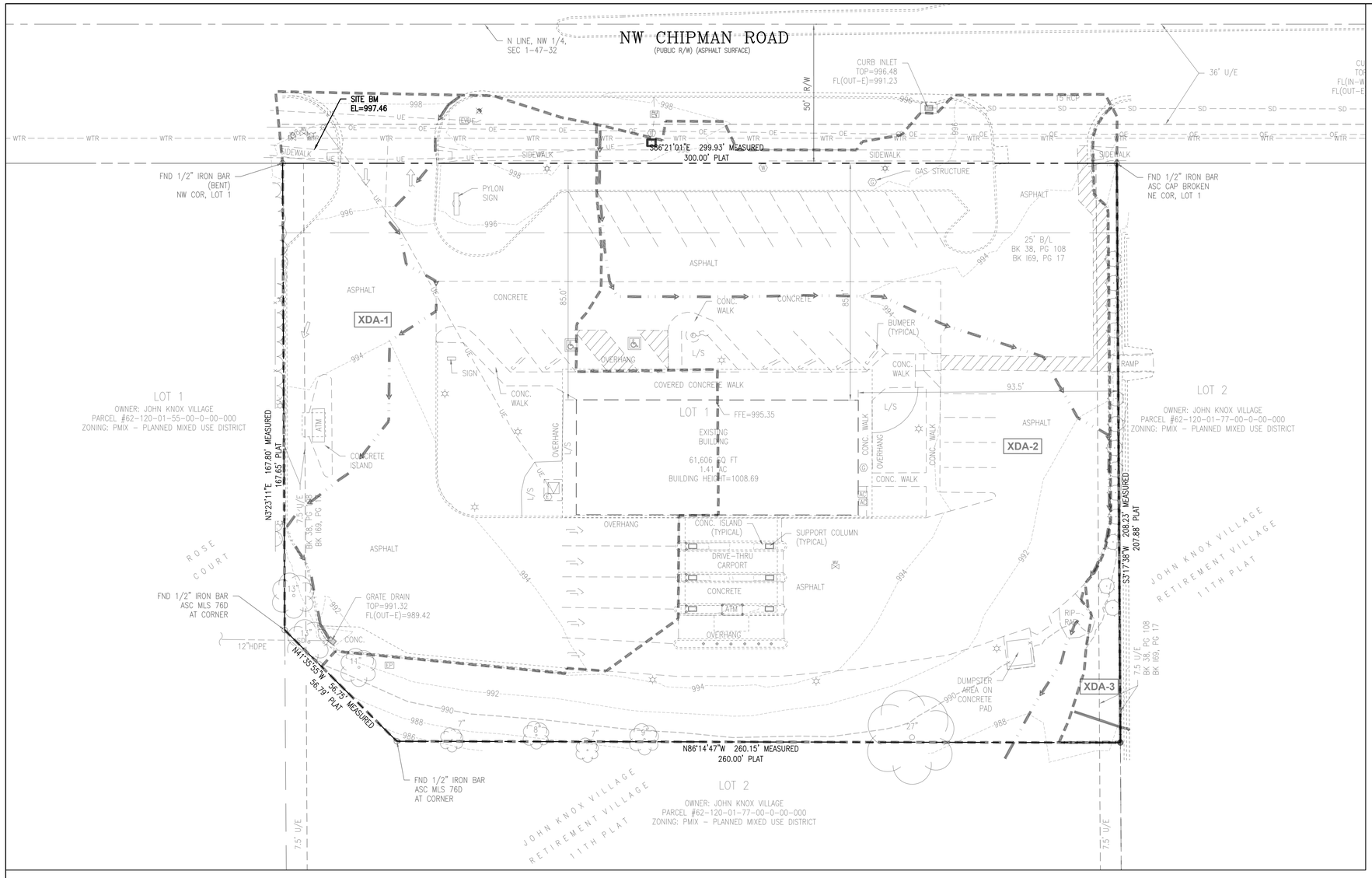
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2	12.19.2025	PDP REVIEW COMMENTS
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BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
DATE: 02.12.2026

SHEET TITLE
GRADING AND DRAINAGE PLAN

SHEET NO.
C3.0



LEGEND

	EXISTING
PROPERTY LINE	
APPROXIMATE LIMIT OF DISTURBANCE	
1-FOOT CONTOUR	1
5-FOOT CONTOUR	5
WATER LINE	WTR
SANITARY SEWER LINE	SAN
STORM DRAIN LINE	SD
OVERHEAD ELECTRIC LINE	OE
UNDERGROUND ELECTRIC LINE	UE
UNDERGROUND TELECOM LINE	UT
GAS LINE	GAS
TREE/SHRUB	
FENCE	x
SIGN/BOLLARD	
FIRE HYDRANT	
WATER METER/VALVE	W
SEWER MANHOLE/CLEANOUT	S
STORM CATCH BASIN/CLEANOUT	
ELECTRICAL METER/VAULT/PEDESTAL	E, LV, EP
ELECTRICAL TRANSFORMER	
AC UNIT	AC
GAS METER	G
LIGHT POLE/UTILITY POLE/TRAFFIC POLE	
FLAG POLE	

PRE-PROJECT DRAINAGE LEGEND

APPROXIMATE BOUNDARY OF DRAINAGE MANAGEMENT AREA	
DRAINAGE AREA (DA-1, DA-2, ETC) DESIGNATION	DA-1
TIME OF CONCENTRATION	

EXISTING SITE WATERSHEDS

WATERSHED	TOTAL DRAINAGE AREA	IMPERVIOUS	PERCENT
		PERVIOUS	PERCENT
XDA-1	26,318	20,579	78.2%
		5,739	21.8%
XDA-2	39,100	28,672	73.3%
		10,428	26.7%
XDA-3	1,554	106	6.8%
		1,448	93.2%
TOTAL	66,972	49,357	73.7%
		17,615	27.3%

ALLEGRO
0 20 40
SCALE: 1"=20'

SURVEY NOTES:

1. TOPOGRAPHIC/BOUNDARY SURVEY PROVIDED BY J&J SURVEY LLC; DATED SEPTEMBER 23, 2025.
2. BASIS OF BEARINGS: BASIS OF BEARINGS IS ESTABLISHED BY MISSOURI STATE PLANE COORDINATE SYSTEM BY GPS OBSERVATIONS.
3. BENCHMARK JA-43: KC METRO ALUMINUM GRS DISK SET IN CONCRETE AND FLUSH WITH THE GROUND. THE STATION IS ABOUT 0.5 MILES SOUTH OF THE I-470 INTERSECTION WITH DOUGLAS ROAD AND NEAR THE INTERSECTION WITH NW VICTORIA STREET. IT IS ABOUT 230 FEET NORTH OF THE INTERSECTION OF DOUGLAS ROAD AND NW VICTORIA STREET; 32.5 FEET WEST OF THE BACK OF CURB ON DOUGLAS ROAD; 25.2 FEET SOUTHWEST OF A NAIL AND SHINER IN A POWER POLE AND 2 FEET EAST OF A CARSONITE WITNESS POST.
   ELEVATION = 1034.78
4. SITE BENCHMARK: CHISELED "+" IN WALK.
   ELEVATION = 997.46
5. ALL EXISTING INFORMATION PRESENTED IN THESE PLANS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. ANY DISCREPANCIES IN THE PLANS SHALL BE MADE AWARE TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

MISSOURI ONE CALL SYSTEM

ALLEGRO CIVIL ENGINEERS
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4322 N. LINCOLN AVE. SUITE A
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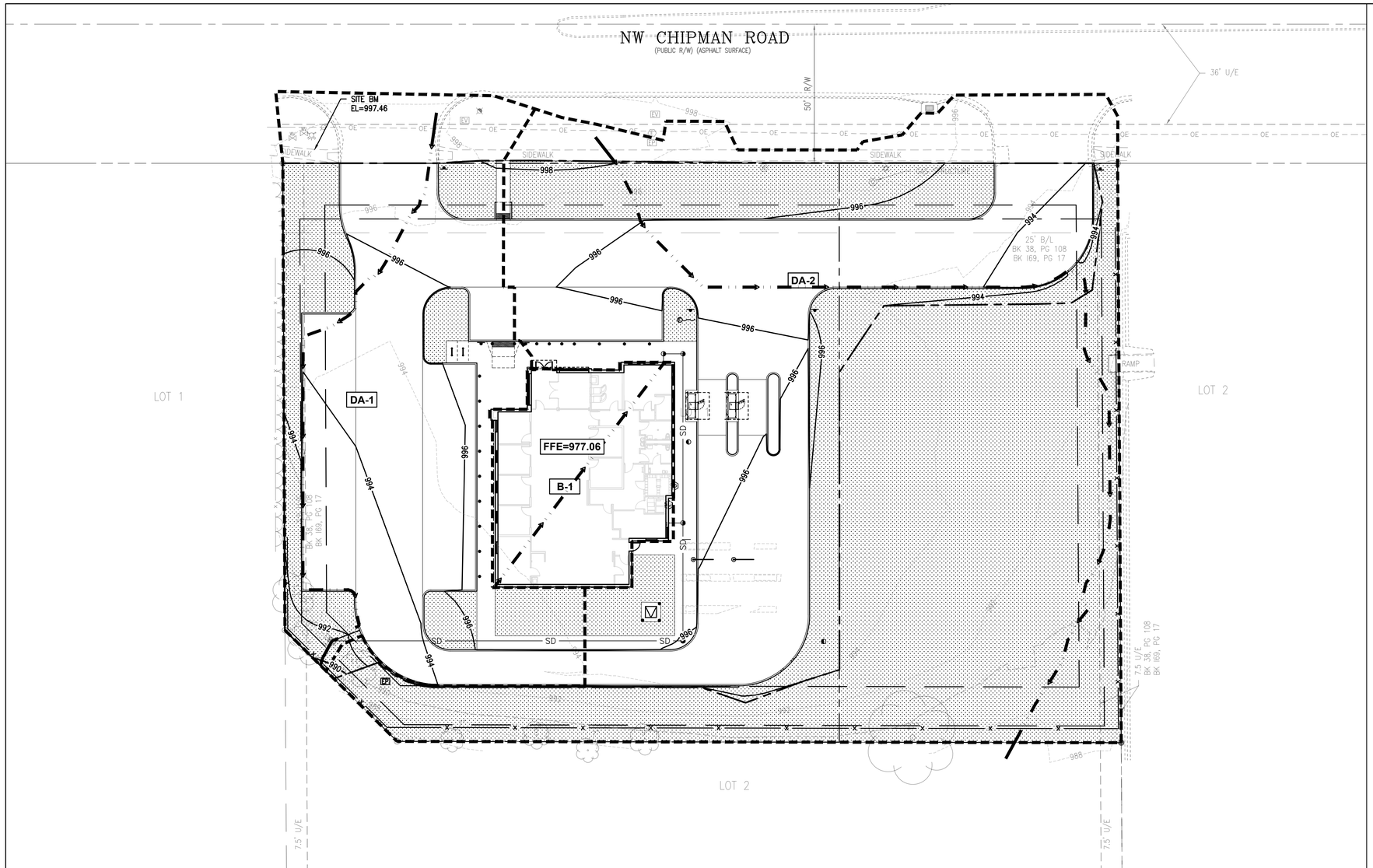
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PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
DATE: 02.12.2026

SHEET TITLE
PRE-PROJECT DRAINAGE MAP

SHEET NO.
C3.1



LEGEND

PROPOSED		EXISTING
	PROPERTY LINE	
	APPROXIMATE LIMIT OF DISTURBANCE	
1	1-FOOT CONTOUR	1
5	5-FOOT CONTOUR	5
WTR	WATER LINE	WTR
SS	SANITARY SEWER LINE	SAN
SD	STORM DRAIN LINE	SD
	OVERHEAD ELECTRIC LINE	OE
UE	UNDERGROUND ELECTRIC LINE	UE
UT	UNDERGROUND TELECOM LINE	UT
G	GAS LINE	GAS
	TREE/SHRUB	
x	FENCE	x
	SIGN/BOLLARD	
	FIRE HYDRANT	
	WATER METER/VALVE	
	SEWER MANHOLE/CLEANOUT	
	STORM CATCH BASIN/CLEANOUT	
	ELECTRICAL METER/VAULT/PEDESTAL	
	ELECTRICAL TRANSFORMER	
	AC UNIT	
	GAS METER	
	LIGHT POLE/UTILITY POLE/TRAFFIC POLE	
	FLAG POLE	

STORMWATER CONTROL LEGEND

	APPROXIMATE BOUNDARY OF DRAINAGE MANAGEMENT AREA
DA-1	DRAINAGE AREA (DA-1, DA-2, ETC) DESIGNATION
	TIME OF CONCENTRATION

PROPOSED SITE WATERSHEDS

WATERSHED	TOTAL DRAINAGE AREA (SF)	IMPERVIOUS	PERCENT
		PERVIOUS	PERCENT
DA-1	17,513	12,577	71.8%
		4,936	28.2%
DA-2	44,738	16,757	37.5%
		27,981	62.5%
B-1	4,723	4,723	100.0%
		0	0.0%
TOTAL	66,974	34,057	50.9%
		32,917	49.1%

ALLEGRO
0 20 40
SCALE: 1"=20'

SURVEY NOTES:

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   ELEVATION = 1034.78
4. SITE BENCHMARK: CHISELED "+" IN WALK.
   ELEVATION = 997.46
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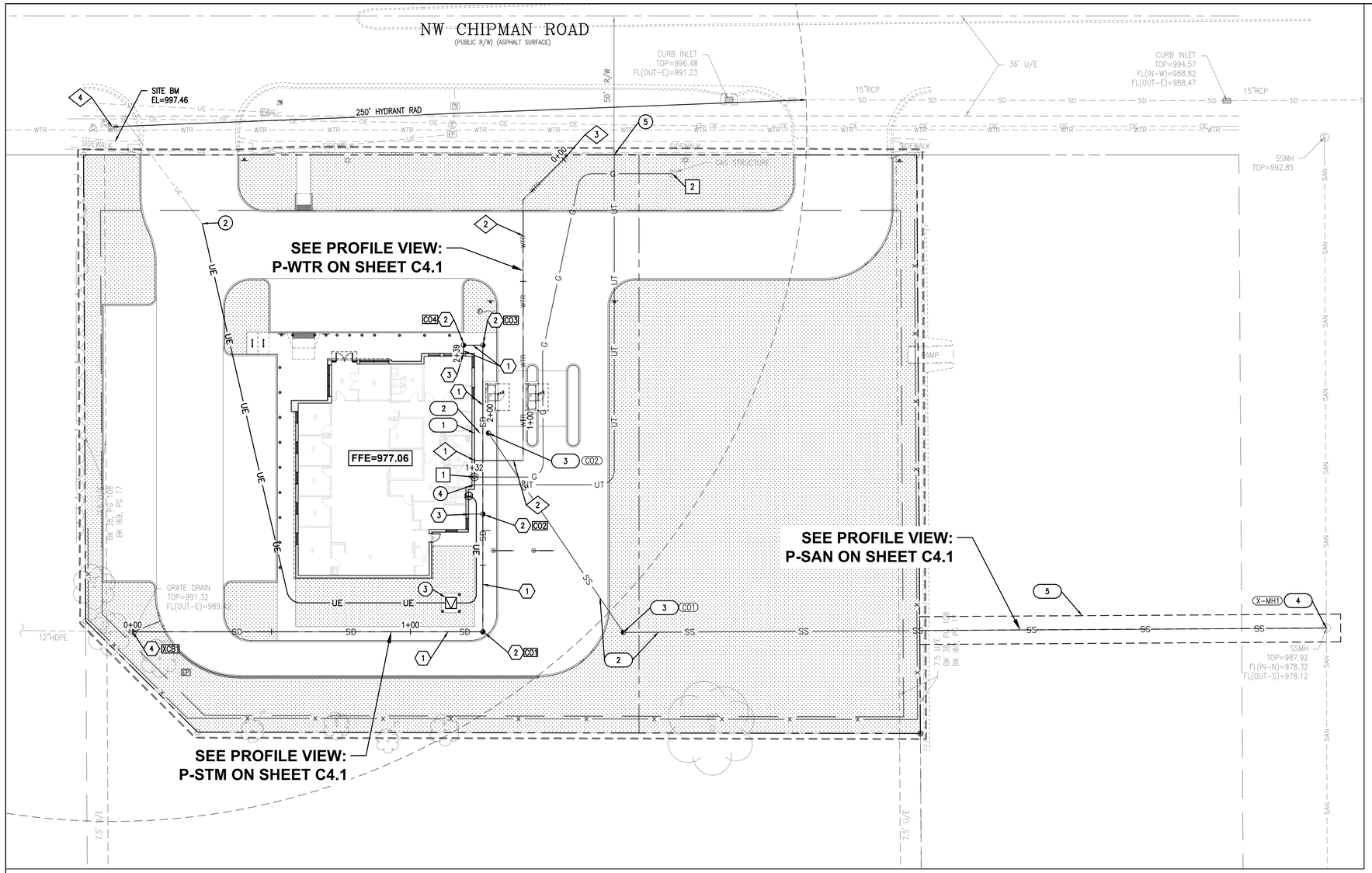
MISSOURI ONE CALL SYSTEM

ALLEGRO CIVIL ENGINEERS
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LEE'S SUMMIT, MO 64081

PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
DATE: 02.12.2026
SHEET TITLE
STORMWATER CONTROL PLAN
SHEET NO.
C3.2



LEGEND

PROPOSED		EXISTING
	PROPERTY LINE	
	APPROXIMATE LIMIT OF DISTURBANCE	
1	1-FOOT CONTOUR	1
5	5-FOOT CONTOUR	5
WTR	WATER LINE	WTR
SS	SANITARY SEWER LINE	SAN
SD	STORM DRAIN LINE	SD
OE	OVERHEAD ELECTRIC LINE	OE
UE	UNDERGROUND ELECTRIC LINE	UE
UT	UNDERGROUND TELECOM LINE	UT
G	GAS LINE	GAS
	TREE/SHRUB	
x	FENCE	x
	SIGN/BOLLARD	
	FIRE HYDRANT	
	WATER METER/VALVE	
S	SEWER MANHOLE/CLEANOUT	S
	STORM CATCH BASIN/CLEANOUT	
E EP	ELECTRICAL METER/VAULT/PEDESTAL	E EV EP
	ELECTRICAL TRANSFORMER	
	AC UNIT	AC
G	GAS METER	G
	LIGHT POLE/UTILITY POLE/TRAFFIC POLE	
	FLAG POLE	

STORM DRAIN KEY NOTES

1. PROPOSED STORM DRAIN LINE. SIZE, LENGTH, AND SLOPE PER SHEET C4.1 TRENCH AND BACKFILL PER DETAIL 8 ON SHEET C6.1.
2. PROPOSED TWO-WAY CLEANOUT, PER DETAIL 2 ON SHEET C6.2. RIM AND INVERT PER SHEET C4.1.
3. PROPOSED BUILDING DOWNSPOUT
4. CONNECT TO EXISTING STRUCTURE. RIM AND INVERT PER SHEET C4.1

SANITARY SEWER KEY NOTES

1. CONNECT PROPOSED SANITARY SEWER TO BUILDING SERVICE POC. SIZE AND INVERT PER SHEET C4.1. SEE PLUMBING PLANS FOR CONTINUATION.
2. PROPOSED SANITARY SDR 35 PVC SEWER SERVICE PIPE. SIZE, LENGTH AND SLOPE PER SHEET C4.1. TRENCH AND PAVEMENT PATCHING PER DETAILS 7 AND 8 ON SHEET C6.1.
3. PROPOSED TWO-WAY CLEANOUT, PER DETAIL 2 ON SHEET C6.2. RIM AND INVERT PER SHEET C4.1
4. CONNECT TO EXISTING SANITARY SEWER MANHOLE. RIM AND INVERTS PER SHEET C4.1.
5. PROPOSED 10' WIDE SANITARY SEWER EASEMENT

WATER KEY NOTES

1. CONNECT PROPOSED DOMESTIC WATER SERVICE TO BUILDING SERVICE STUB. SEE PLUMBING PLANS FOR CONTINUATION.
2. PROPOSED 2" WATER SERVICE OR APPROVED EQUAL. TRENCH AND BACKFILL PER DETAIL 1 ON SHEET C6.2.
3. PROPOSED WATER LINE CONNECTION TO EXISTING WATER METER.
4. EXISTING HYDRANT. 150' DISTANCE RADIUS SHOWN

GAS SERVICE KEY NOTES

1. BUILDING POINT OF CONNECTION (GAS).
2. CONNECT PROPOSED GAS SERVICE TO EXISTING GAS METER.

ELECTRICAL/TELECOM UTILITY KEY NOTES

1. BUILDING POINT OF CONNECTION (ELECTRIC).
2. PROPOSED CONNECTION POINT OF PRIMARY ELECTRICAL CONDUITS TO EXISTING UNDERGROUND ELECTRIC SERVICE. COORDINATE ROUTING AND POINT OF CONNECTION WITH POWER COMPANY PRIOR TO CONSTRUCTION.
3. PROPOSED TRANSFORMER PER KANSAS CITY POWER & LIGHT STANDARDS
4. BUILDING POINT OF CONNECTION (TELECOM).
5. CONNECT PROPOSED TELECOM LINE TO EXISTING TELECOM BOX. COORDINATE WITH UTILITY COMPANY PRIOR TO CONNECTION.

ALLEGRO
0 20 40
SCALE: 1"=20'

SURVEY NOTES:

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2. ANY EXISTING INFRASTRUCTURE OR SITE ITEMS (ABOVE OR BELOW GRADE, READILY VISIBLE OR NOT) OR PROPERTY DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE APPROPRIATE AGENCY.
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6. THE CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

UTILITY PLAN NOTES:

1. EXISTING OFF-SITE UTILITY LOCATIONS ARE APPROXIMATE AND BASED ON RECORD DRAWINGS OR AS-BUILT INFORMATION.
2. LOCATION OF EXISTING ON-SITE UNDERGROUND UTILITIES HAVE NOT BEEN SURVEYED AND ARE SHOWN BASED ON LOCATIONS OF EXISTING VISIBLE UTILITY STRUCTURES SURVEYED IN THE FIELD. EXACT LOCATIONS OF ALL UTILITIES MUST BE LOCATED IN THE FIELD BY THE CONTRACTOR AND ANY DISCREPANCIES REPORTED TO THE ENGINEER PRIOR TO STARTING CONSTRUCTION.
3. ANY EXISTING INFRASTRUCTURE OR SITE ITEMS (ABOVE OR BELOW GRADE, READILY VISIBLE OR NOT) OR PROPERTY DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE APPROPRIATE AGENCY.
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SANITARY SEWER IMPACT STATEMENT:

NO SIGNIFICANT IMPACT ANTICIPATED, LAND USE WILL NOT CHANGE.

MISSOURI ONE CALL SYSTEM

PREPARED BY:
ALLEGRO CIVIL ENGINEERS
4322 N. LINCOLN AVE. SUITE A
CHICAGO, IL 60618
(872) 270-3691

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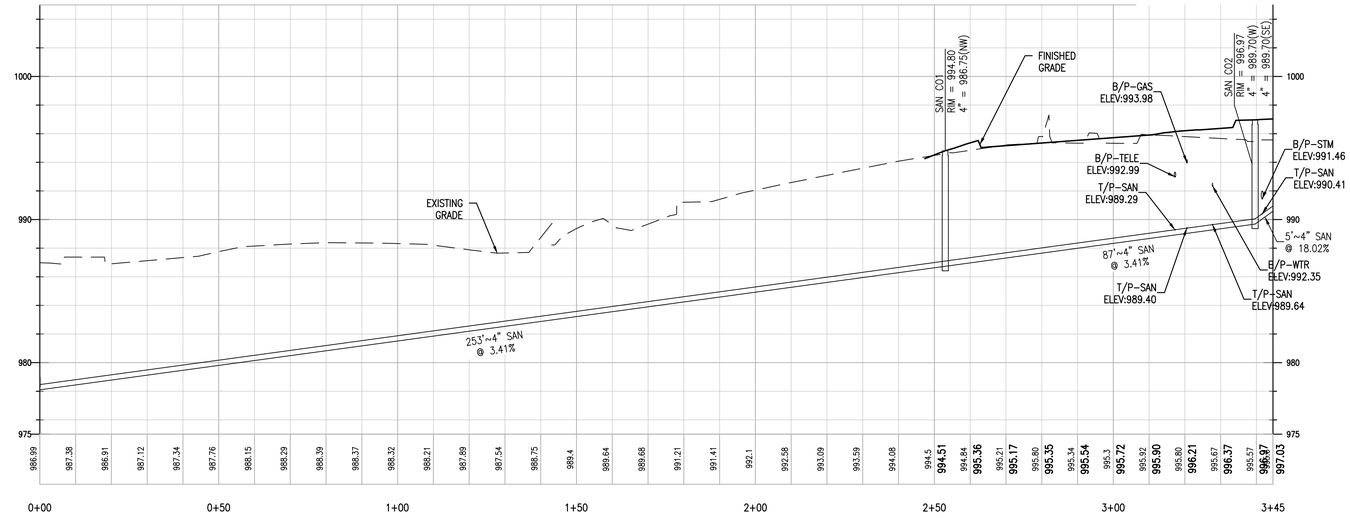
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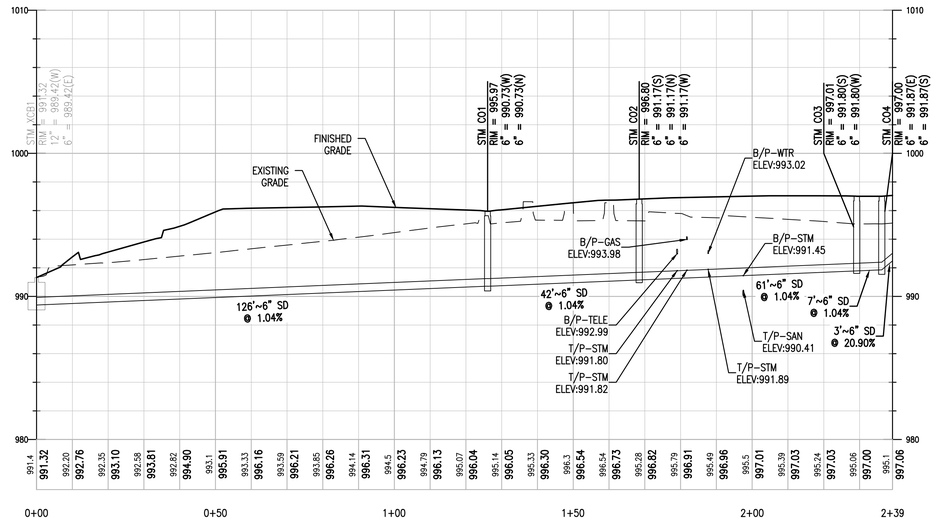
SHEET TITLE
UTILITY PLAN

SHEET NO.
C4.0

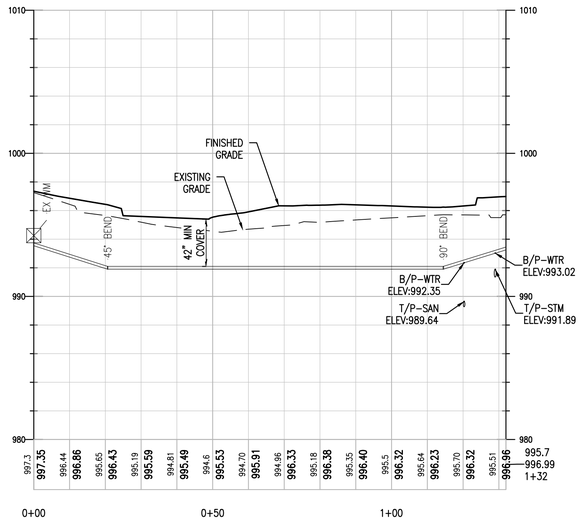
PROFILE VIEW: P-SAN
HORIZONTAL SCALE: 20
VERTICAL SCALE: 5
VERTICAL EXAGGERATION: 4



PROFILE VIEW: P-STM
HORIZONTAL SCALE: 20
VERTICAL SCALE: 5
VERTICAL EXAGGERATION: 4



PROFILE VIEW: P-WTR
HORIZONTAL SCALE: 20
VERTICAL SCALE: 5
VERTICAL EXAGGERATION: 4



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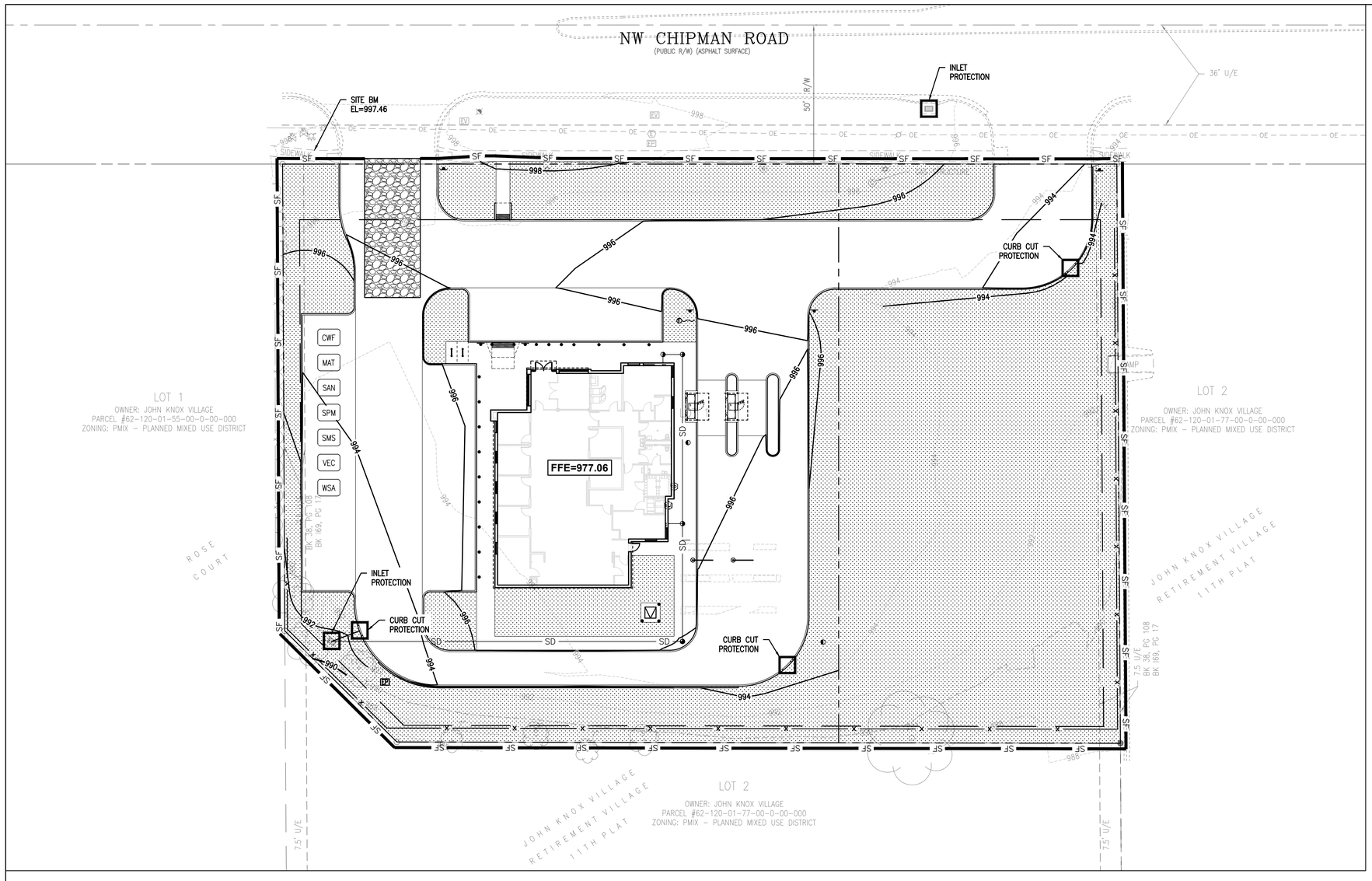
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SHEET TITLE
UTILITY PROFILES

SHEET NO.
C4.1



LEGEND

PROPOSED		EXISTING
	PROPERTY LINE	
	APPROXIMATE LIMIT OF DISTURBANCE	
1	1-FOOT CONTOUR	1
5	5-FOOT CONTOUR	5
WTR	WATER LINE	WTR
SS	SANITARY SEWER LINE	SAN
SD	STORM DRAIN LINE	SD
	OVERHEAD ELECTRIC LINE	OE
UE	UNDERGROUND ELECTRIC LINE	UE
UT	UNDERGROUND TELECOM LINE	UT
G	GAS LINE	GAS
	TREE/SHRUB	
x	FENCE	x
	SIGN/BOLLARD	
	FIRE HYDRANT	
	WATER METER/VALVE	
S	SEWER MANHOLE/CLEANOUT	S
	STORM CATCH BASIN/CLEANOUT	
E EP	ELECTRICAL METER/VAULT/PEDESTAL	E UV EP
	ELECTRICAL TRANSFORMER	
	AC UNIT	AC
G	GAS METER	G
	LIGHT POLE/UTILITY POLE/TRAFFIC POLE	
	FLAG POLE	

EROSION CONTROL LEGEND

	INLET PROTECTION, PER DETAIL 6 ON SHEET C6.2.
SF	PERIMETER EROSION CONTROL, PER DETAILS 4 AND 5 ON SHEET C6.2.
	TEMPORARY CONSTRUCTION ENTRANCE, PER DETAIL 7 ON SHEET C6.2.
CWF	CONCRETE WASHOUT FACILITY, PER DETAIL 1 ON SHEET C6.3. CONTRACTOR TO LOCATE AS PROJECT CONSTRUCTION REQUIRES.
MAT	MATERIAL DELIVERY AND STORAGE STAGING AREA. CONTRACTOR TO LOCATE AS PROJECT CONSTRUCTION REQUIRES.
SAN	TEMPORARY SANITARY FACILITIES. CONTRACTOR TO LOCATE AS PROJECT CONSTRUCTION REQUIRES.
SPM	SPILL PREVENTION MATERIALS STAGING AREA. CONTRACTOR TO LOCATE AS PROJECT CONSTRUCTION REQUIRES.
SMS	STOCKPILE MANAGEMENT STAGING AREA. CONTRACTOR TO LOCATE AS PROJECT CONSTRUCTION REQUIRES.
VEC	VEHICLE AND EQUIPMENT CLEANING, FUELING, AND MAINTENANCE STAGING AREA. CONTRACTOR TO LOCATE AS PROJECT CONSTRUCTION REQUIRES.
WSA	WASTE STORAGE AREA. CONTRACTOR TO LOCATE AS PROJECT CONSTRUCTION REQUIRES.

ALLEGRO
0 20 40
SCALE: 1"=20'

MISSOURI ONE CALL SYSTEM

SURVEY NOTES:

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1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT, JACKSON COUNTY, MODOT, AND MISSOURI STANDARDS AND SPECIFICATIONS.
2. ANY EXISTING INFRASTRUCTURE OR SITE ITEMS (ABOVE OR BELOW GRADE, READILY VISIBLE OR NOT) OR PROPERTY DAMAGED AS A RESULT OF CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE APPROPRIATE AGENCY.
3. ALL CONSTRUCTION SHALL CONFORM TO APPLICABLE STATE AND LOCAL CODES. WHEN CODES ARE IN CONFLICT, THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL CAUSE A CURRENT COPY OF SAID CODES TO BE MAINTAINED ON SITE AT ALL TIMES.
4. ALL SIGNAGE AND PAINT MARKINGS SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), OR AS OTHERWISE SPECIFIED. INSTALLATION OF SIGNS SHALL BE GOVERNED BY LOCAL CODES.
5. THE CONTRACTOR IS RESPONSIBLE TO LOCATE AND PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER AT LEAST THREE DAYS PRIOR TO ANY SITE WORK FOR PROPER IDENTIFICATION OF EXISTING UTILITIES.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

EROSION AND SEDIMENT CONTROL NOTES:

1. CONTRACTOR TO PROTECT OPEN UTILITY TRENCHES AND TRENCH SPOILS USING APPROPRIATE BMP'S.
2. BMP MEASURES SHOWN ARE THE MINIMUM. CONTRACTOR TO USE ALL MEASURES NECESSARY TO PREVENT EROSION AND CONTAIN SEDIMENT ON THE SITE.
3. EXCEPT AS OTHERWISE DIRECTED BY THE PROJECT INSPECTOR, ALL EROSION CONTROL AND DRAINAGE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY.
4. CLEAN OUT MUD AND SILT IN SEDIMENT CONTROL DRAINAGE DEVICES AFTER EACH RAIN OR AS DIRECTED BY THE PROJECT INSPECTOR.
5. EROSION AND SEDIMENT CONTROL DEVICES SHOWN ON THIS PLAN MAY ONLY BE REMOVED WHEN THE PROJECT HAS ACHIEVED FINAL STABILIZATION.
6. GRADED AREAS ADJACENT TO SLOPES MUST DRAIN AWAY FROM THE TOP OF SLOPE AT CONCLUSION OF EACH WORKING DAY WHEN THERE IS A FORECAST OF RAIN.
7. ALL LOOSE SOIL AND DEBRIS, WHICH MAY CREATE A POTENTIAL HAZARD TO OFFSITE PROPERTY, SHALL BE REMOVED FROM THE SITE.
8. DESILTING BASINS SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. SILT AND DEBRIS SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN STORAGE CAPACITY IS MET.
9. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE WITHIN THE SITE SHALL BE LEFT TO THE DISCRETION OF THE PROJECT INSPECTOR AND CONTRACTOR.
10. EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF DEEMED NECESSARY BY SITE INSPECTION, ADDITIONAL MEASURES WILL BE INSTALLED.
11. NOTIFY PROJECT INSPECTOR BEFORE EACH PHASE OF CONSTRUCTION COMMENCES.
12. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL CONFORM TO THE LATEST REGULATIONS FOR THE CITY, COUNTY AND STATE.
13. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE PUBLIC ROADWAY OR INTO THE PUBLIC STORM DRAIN SHALL BE REMOVED IMMEDIATELY.
14. PRIOR TO COMMENCEMENT OF LAND DISTURBING ACTIVITIES, THE LIMITS OF LAND DISTURBANCE SHALL BE DEMARCATED BY APPROPRIATE MEANS. THE LIMITS OF CONSTRUCTION SHALL REMAIN DEMARCATED FOR THE DURATION OF WORK.
15. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROLS WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION.
16. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN IT IS WITHIN ½ OF THE TOP OF THE PERIMETER CONTROL DEVICE.
17. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN CONSTRUCTION BEING STOPPED UNTIL SUCH MEASURES ARE CORRECTED.
18. A COPY OF ALL APPROVED PERMITS AND PLANS SHALL BE MAINTAINED ON SITE FOR THE DURATION OF CONSTRUCTION.
19. THE CONTRACTOR SHALL MAINTAIN AN ON-SITE DAILY LOG OF ALL MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES. LOG SHALL BE MADE AVAILABLE FOR INSPECTION AT ALL TIMES.
20. CONTRACTOR SHALL ENSURE ALL VEHICLES/EQUIPMENT EXITING THE SITE ARE FREE OF DIRT AND DEBRIS TO PREVENT SEDIMENT TRACKING ONTO PUBLIC ROADWAYS.
21. PERIMETER EROSION CONTROL MEASURES TO BE USED AS NECESSARY BY THE CONTRACTOR TO CONTROL SEDIMENT RUNOFF, INCLUDING AROUND UTILITY TRENCHES. BMPS TO CONTROL PERIMETER EROSION SHALL BE FIBER ROLLS AND GRAVEL BAGS.
22. CONTRACTOR TO KEEP PAVEMENT AND ADJACENT DRIVE AISLES CLEAN OF DEBRIS AND SEDIMENT AT ALL TIMES. TRUCK WASHOUTS, PAVEMENT SWEEPING, AND ALL OTHER NECESSARY BMPS SHALL BE USED TO PREVENT SEDIMENT FROM LEAVING THE SITE.
23. CONTRACTOR TO PROTECT OPEN TRENCHES WITH APPROPRIATE BMP'S, INCLUDING BUT NOT LIMITED TO GRAVEL BAG PERIMETER PROTECTION.

ALLEGRO CIVIL ENGINEERS
PREPARED BY:
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CHICAGO, IL 60618
(872) 270-3691

NO.	DATE	REVISION
1	11.19.2025	PDP SUBMITTAL
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3	01.15.2026	90% CD PROGRESS PRINT
4	02.12.2026	CD_F

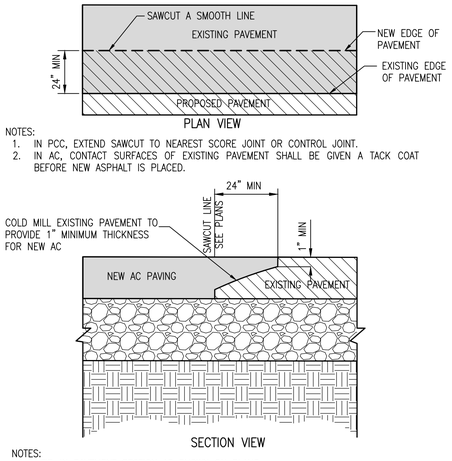
BANK OF AMERICA - CHIPMAN RD

1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
DATE: 02.12.2026

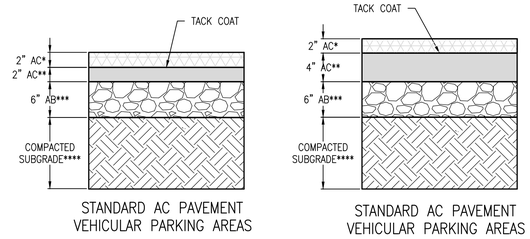
SHEET TITLE
EROSION CONTROL PLAN

SHEET NO.
C5.0



SAWCUT DETAIL 1

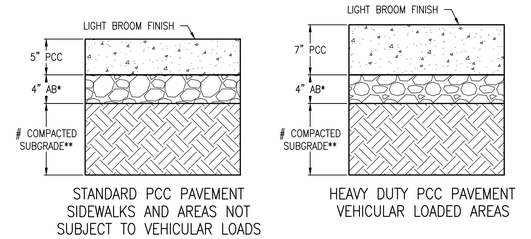
NOTES:
1. USE MIN. THICKNESS OF MATERIALS LISTED BELOW, THICKNESS NOTED REPRESENTS THE MIN. COMPACTED THICKNESS.
2. REFER TO THE GEOTECHNICAL ENGINEERING REPORT BY **TERRACON**; PROJECT NO. **02255206**; TITLED, **"BofA CHIPMAN RD (MO8-306)"**; DATED **OCTOBER 23, 2025**



* TYPE II INTERMEDIATE COURSE ASPHALTIC CONCRETE SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION MoDOT 450
** TYPE I SURFACE COURSE ASPHALTIC CONCRETE SHALL CONFORM TO **MoDOT CATEGORY 403**
*** AGGREGATE BASE (AB) MATERIAL SHALL CONFORM TO **MoDOT TYPE 5**
**** PRIOR TO PAVEMENT MATERIAL OR FILL PLACEMENT*****, THE UPPER 12" OF SUBGRADE SHALL BE SCARIFIED, MOISTURE CONDITIONED AS-NEEDED TO APPROXIMATELY 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO BETWEEN 95% MINIMUM COMPACTION (BASED ON ASTM D1557, LATEST EDITION). CONTRACTOR SHALL PREPARE AND/OR REPLACE SOILS AS NECESSARY TO PROVIDE A STABLE SUBGRADE THAT IS FIRM AND NON-YIELDING UNDER THE WEIGHT OF THE COMPACTION EQUIPMENT.
***** ANY REQUIRED FILL PLACED SHOULD CONSIST OF CLEAN, INERT SOIL WHICH SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER. THE FILL SHOULD HAVE A DRY DENSITY GREATER THAN 100 PCF, A LIQUID LIMIT LESS THAN 50%, AND AN ORGANIC CONTENT LESS THAN 1%. RE-USE OF DEMOLITION RUBBLE OR ANY PRESENT DELETERIOUS FILL SOILS FOR REUSE AS BACKFILL MATERIAL IS NOT RECOMMENDED, EXCEPT IN LANDSCAPE AREAS.

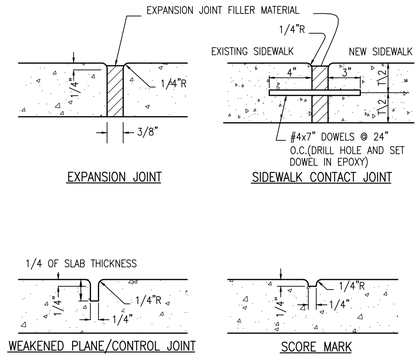
AC PAVEMENT SECTION DETAIL 2

NOTES:
1. USE MIN. THICKNESS OF MATERIALS LISTED BELOW, THICKNESS NOTED REPRESENTS THE MIN. COMPACTED THICKNESS.
2. THE PORTLAND CEMENT CONCRETE (PCC) SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AND USING A LOW SLUMP CONCRETE UTILIZING PROPER CURING PER **MoDOT** SPECIFICATIONS.
3. MAXIMUM EXPANSION JOINT SPACING SHALL BE **30**-FEET ON CENTER EACH WAY AND MAXIMUM CONTROL JOINT SPACING SHALL BE PER PLAN OR LESS THAN 3 TIMES THE THICKNESS IN INCHES ON CENTER EACH WAY IN ACCORDANCE WITH ACI RECOMMENDATIONS, SHALL BE 3/8" WIDE, FULL DEPTH, DOWELED OR TONGUE AND GROOVED TO PROVIDE LOAD TRANSFER, AND SHALL BE SEALED WITH A QUALITY SILICONE SEALER TO PREVENT WATER FROM ENTERING THE SUBGRADE PER CONCRETE JOINT DETAIL **4 SHEET 6.0**.
4. TIE BARS SHALL BE USED ON JOINTS ADJACENT TO UNSUPPORTED EDGES.
5. REFER TO THE GEOTECHNICAL ENGINEERING REPORT BY **TERRACON**; PROJECT NO. **02255206**; TITLED, **"BofA CHIPMAN RD (MO8-306)"**; DATED **OCTOBER 23, 2025**



* CLASS II AGGREGATE BASE (AB) MATERIAL SHALL CONFORM TO **MoDOT** STANDARD SPECIFICATIONS SECTION 304 – AGGREGATE BASES, AND COMPACTED TO AT LEAST 95% OF MAXIMUM DRY DENSITY (BASED ON ASTM D1557, LATEST EDITION).
** PRIOR TO PAVEMENT MATERIAL OR FILL PLACEMENT***, THE UPPER 8" OF SUBGRADE SHALL BE SCARIFIED, MOISTURE CONDITIONED TO NOT LESS THAN OPTIMUM, AND COMPACTED TO AT LEAST 90% RELATIVE COMPACTION. CONTRACTOR SHALL PREPARE AND/OR REPLACE SOILS AS NECESSARY TO PROVIDE A STABLE SUBGRADE THAT IS FIRM AND NON-YIELDING UNDER THE WEIGHT OF THE COMPACTION EQUIPMENT. FILL PLACED ATOP THE COMPACTED SUB-GRADE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
*** NATIVE SOILS CAN BE SUITABLE FOR USE IN GENERAL GRADING FILLS AND ENGINEERING FILLS PROVIDED THAT THEY ARE LOW SWELL AND FREE OF ORGANIC AND OTHERWISE DELETERIOUS MATERIAL CONTAINING LESS THAN 3% ORGANIC CONTENT BY WEIGHT AND A PLASTICITY INDEX <12. FILL SHOULD BE PLACED IN LIFTS NO GREATER THAN 8 INCHES IN UN-COMPACTED THICKNESS. EACH SUCCESSIVE LIFT SHOULD BE FIRM AND NON-YIELDING UNDER THE WEIGHT OF THE COMPACTION EQUIPMENT.

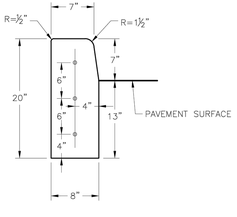
PCC PAVEMENT SECTION DETAIL 3



CONCRETE JOINTS DETAIL 4

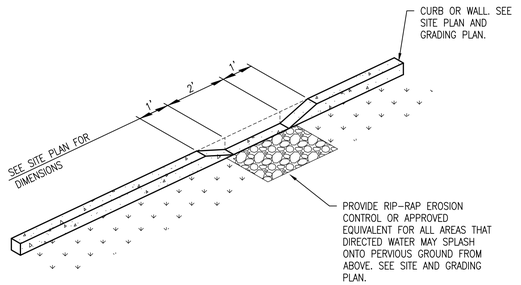
GENERAL NOTES

1. ¾" ISOLATION JOINTS WITH 2 (2'-#5 BAR) SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWEL BARS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. 3" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
3. CONCRETE FILL SHALL HAVE UNIFORM AND SMOOTH FINISH
4. KCMMB 4K CONCRETE SHALL BE USED FOR ALL CURB.
5. ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2205.2.
6. CURBS FOR NEW STREETS SHALL BE BUILT ON ASPHALT OR AGGREGATE BASE AS SHOWN IN TYPICAL SECTION DETAIL.
7. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.
8. ALL DOWELS & TIE BARS SHALL BE EPOXY COATED.

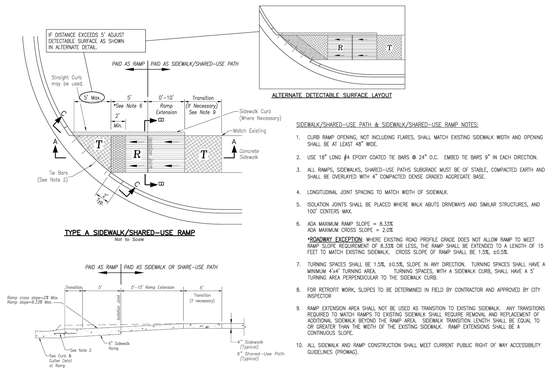


STRAIGHT CURB
(TYPE C-1)

STRAIGHT CURB DETAIL 5



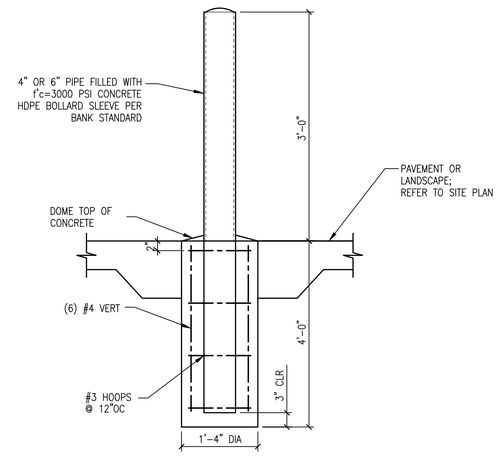
CURB CUT DETAIL 6



SIDEWALK/SHARED-USE PATH & SIDEWALK/SHARED-USE RAMP NOTES:

1. CURB RAMP OPENING, NOT INCLUDING FLARES, SHALL MATCH EXISTING SIDEWALK WIDTH AND OPENING SHALL BE AT LEAST 48" WIDE.
2. USE 18" LONG #4 EPOXY COATED TIE BARS @ 24" O.C. EMBED TIE BARS 9" IN EACH DIRECTION.
3. ALL RAMPS, SIDEWALKS, SHARED-USE PATHS SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
4. LONGITUDINAL JOINT SPACING TO MATCH WIDTH OF SIDEWALK.
5. ISOLATION JOINTS SHALL BE PLACED WHERE WALK ABUTS DRIVEWAYS AND SIMILAR STRUCTURES, AND 100' CENTERS MAX.
6. ADA MAXIMUM RAMP SLOPE = 8.33%
   ADA MAXIMUM CROSS SLOPE = 2.0%
   *ROADWAY EXCEPTION: WHERE EXISTING ROAD PROFILE GRADE DOES NOT ALLOW RAMP TO MEET RAMP SLOPE REQUIREMENT OF 8.33% OR LESS, THE RAMP SHALL BE EXTENDED TO A LENGTH OF 15 FEET TO MATCH EXISTING SIDEWALK. CROSS SLOPE OF RAMP SHALL BE 1.5%, ±0.5%
7. TURNING SPACES SHALL BE 1.5%, ±0.5%, SLOPE IN ANY DIRECTION. TURNING SPACES SHALL HAVE A MINIMUM 4'x4' TURNING AREA. TURNING SPACES, WITH A SIDEWALK CURB, SHALL HAVE A 5' TURNING AREA PERPENDICULAR TO THE SIDEWALK CURB.
8. FOR RETROFIT WORK, SLOPES TO BE DETERMINED IN FIELD BY CONTRACTOR AND APPROVED BY CITY INSPECTOR
9. RAMP EXTENSION AREA SHALL NOT BE USED AS TRANSITION TO EXISTING SIDEWALK. ANY TRANSITIONS REQUIRED TO MATCH RAMPS TO EXISTING SIDEWALK SHALL REQUIRE REMOVAL AND REPLACEMENT OF ADDITIONAL SIDEWALK BEYOND THE RAMP AREA. SIDEWALK TRANSITION LENGTH SHALL BE EQUAL TO OR GREATER THAN THE WIDTH OF THE EXISTING SIDEWALK. RAMP EXTENSIONS SHALL BE A CONTINUOUS SLOPE.
10. ALL SIDEWALK AND RAMP CONSTRUCTION SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).

ADA CURB RAMP DETAIL 7



BOLLARD DETAIL 8

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ALLEGRO CIVIL ENGINEERS
4322 N. LINCOLN AVE. SUITE A
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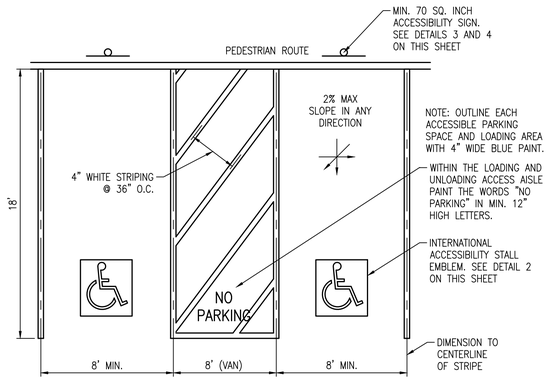
NO.	DATE	REVISION
1	11.19.2025	PDP SUBMITTAL
2	12.19.2025	PDP REVIEW COMMENTS
3	01.15.2026	90% CD PROGRESS PRINT
4	02.12.2026	CD_F

BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

PROJECT NO.:	2025-03-04
DRAWN BY:	MRJ/EVW
CHECKED BY:	AJH
DATE:	02.12.2026

SHEET TITLE
CIVIL CONSTRUCTION DETAILS

SHEET NO.
C6.0

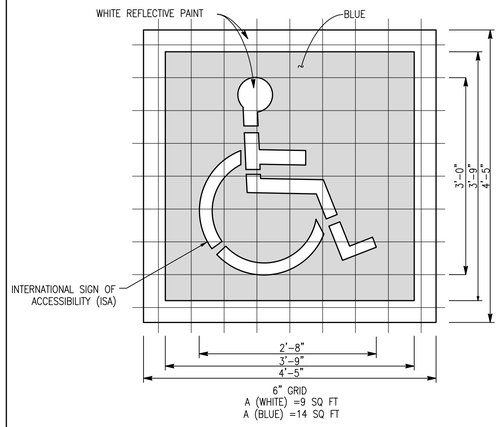


NOTES:

- SURFACE SLOPES OF ACCESSIBLE OFF-STREET PARKING STALLS SHALL BE THE MINIMUM POSSIBLE AND SHALL NOT EXCEED 2 PERCENT (2%) IN ANY DIRECTION.
- WHERE A SINGLE (NON-VAN) ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
- WHERE A VAN ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE 8'-0" WIDE MINIMUM, AND SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.

1

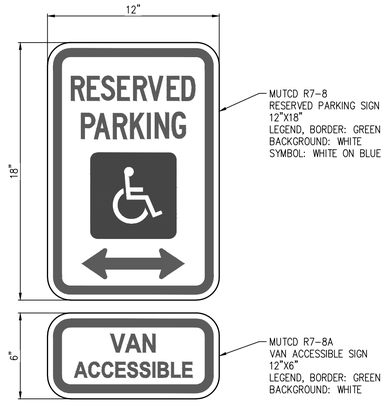
ACCESSIBLE PARKING STALL DETAIL



NOTE: LOCATE AT DRIVE AISLE EDGE OF PARKING, CENTERED IN THE STALL

2

ACCESSIBLE STALL EMBLEM DETAIL

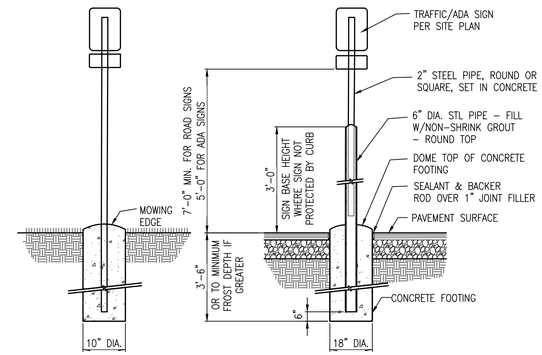


NOTES:

1. THE R7-8A SIGN SHALL BE MOUNTED BELOW THE R7-8 SIGN.
2. THE BOTTOM OF THE LOWEST SIGN OR PLAQUE PANEL SHALL BE A MINIMUM OF 7'-0" ABOVE THE SURROUNDING SURFACE WHEN ADJACENT TO AN ACCESSIBLE PATH.
3. REFER TO DETAIL 4 ON THIS SHEET FOR SIGN POST DETAIL.

3

ACCESSIBLE PARKING SIGN DETAIL



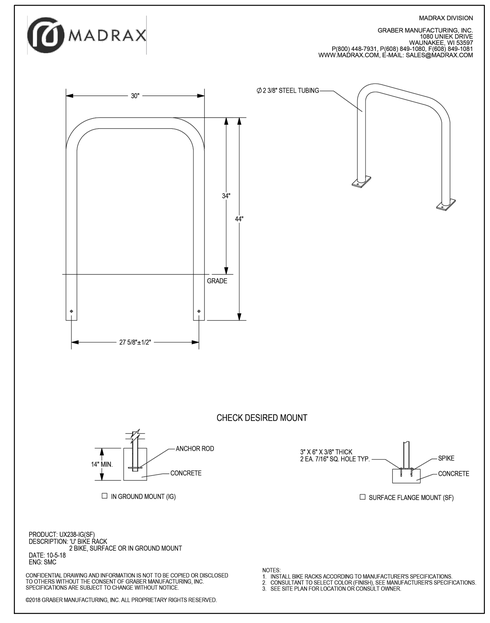
4

SIGN POST DETAIL

PREPARED BY:
ALLEGRO CIVIL ENGINEERS
4322 N. LINCOLN AVE. SUITE A
CHICAGO, IL 60618
(872) 270-3691

NO.	DATE	REVISION
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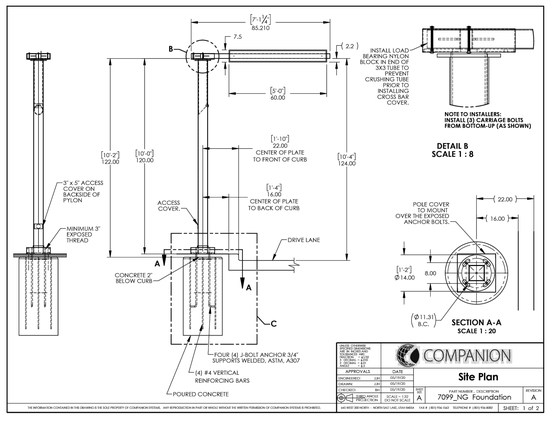
BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081



NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CONSULTANT TO SELECT COLOR (FINISH), SEE MANUFACTURER'S SPECIFICATIONS.
3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.

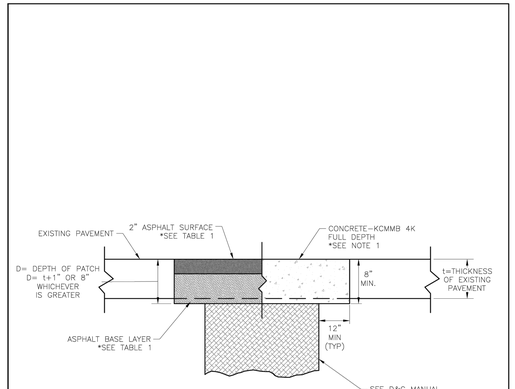
5

BICYCLE RACK DETAIL



6

CLEARANCE BAR DETAIL



PAVEMENT PATCHING DETAIL
NOT TO SCALE

TABLE 1

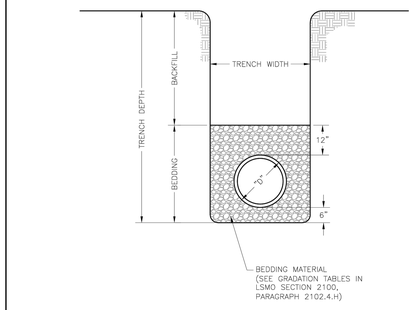
ASPHALT APPROVED MATERIALS	
2" ASPHALT SURFACE	ASPHALT BASE LAYER
APWA TYPE 5 MODOT SP125 KCMMB A1	APWA TYPE 5 OR 2 MODOT SP250 KCMMB A3

NOTE:
1. THIS DETAIL OF FOR PAVEMENT PATCH ONLY.

LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
PAVEMENT PATCHING DETAIL
Date: 08/2023
Drawn By: MJF
Checked By: DL
GEN-5

7

PAVEMENT PATCHING DETAIL



NOTES:

1. FOR TRENCHING AND PAVEMENT PATCHING REPAIRS WITHIN EXISTING OR FUTURE STREETS SEE STANDARD DETAIL GEN-5.
2. EXCAVATION DEPTH, SLOPES, SHORING, AND STOCKPILE LOCATIONS SHALL COMPLY WITH OSHA REGULATIONS.

LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063
PIPE BEDDING DETAIL
Date: 08/2023
Drawn By: MJF
Checked By: GMB
GEN-6

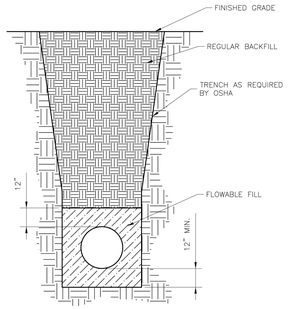
8

PIPE BEDDING DETAIL

PROJECT NO.:	2025-03-04
DRAWN BY:	MRJ/EVW
CHECKED BY:	AJH
DATE:	02.12.2026

SHEET TITLE
CIVIL CONSTRUCTION DETAILS

SHEET NO.
C6.1



NOTES:
1. FLOWABLE FILL SHALL MEET THE REQUIREMENTS OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL.
2. REGULAR BACKFILL ABOVE THE TRENCH CHECK SHALL BE FREE OF DEBRIS, ORGANIC MATTER, AND STONES > 6" IN ANY DIMENSION.
3. TOP OF FLOWABLE BACKFILL SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE.
4. LENGTH OF TRENCH CHECK SHALL BE A MINIMUM OF 12".

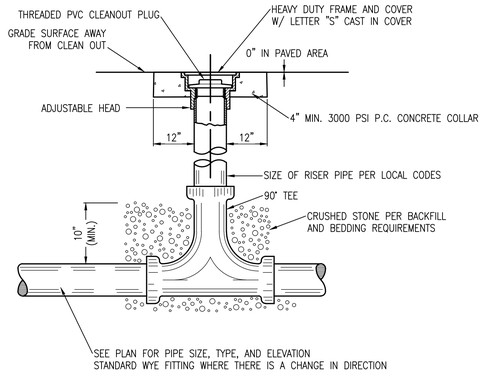
LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

WATER TRENCH CHECK DETAIL

Date: 08/2023
Drawn By: MJF
Checked By: KLY

WAT-6

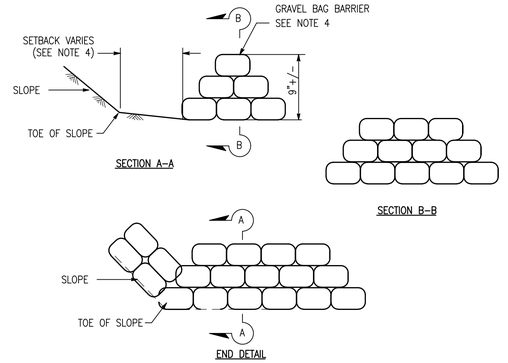
WATER TRENCH DETAIL 1



NOTE: SEE DETAIL X ON SHEET XX FOR BACKFILL AND BEDDING INSTRUCTIONS.

TWO-WAY CLEAN OUT DETAIL 2

NOT USED 3



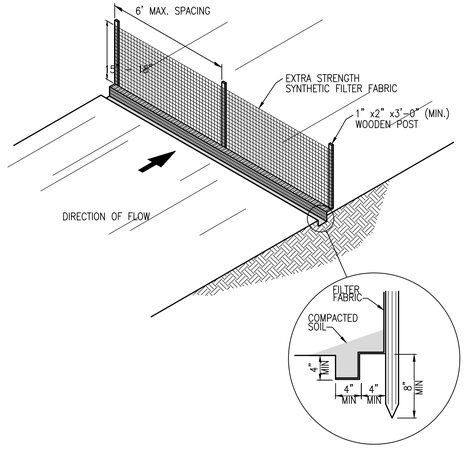
NOTES:
1. USE BAGS OF WOVEN GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH 1/2–INCH (OR SMALLER) GRAVEL.
2. CONSTRUCT THE LENGTH OF EACH REACH SO THAT THE CHANGE IN BASE ELEVATION ALONG THE REACH DOES NOT EXCEED ⅓ THE HEIGHT OF THE LINEAR BARRIER, IN NO CASE SHALL THE REACH LENGTH EXCEED 500'.
3. PLACE GRAVEL BAGS TIGHTLY.
4. DIMENSION MAY VARY TO FIT FIELD CONDITION.
5. GRAVEL BAG BARRIER SHALL BE A MINIMUM OF 3 BAGS HIGH.
6. THE END OF THE BARRIER SHALL BE TURNED UP SLOPE.
7. CROSS BARRIERS SHALL BE A MIN. OF ½ AND A MAX OF ⅔ THE HEIGHT OF THE LINEAR BARRIER.
8. GRAVEL BAG ROWS AND LAYERS SHALL BE STAGGERED TO ELIMINATE GAPS

GRAVEL/SANDBAG BARRIER DETAIL 4

PREPARED BY:
ALLEGRO CIVIL ENGINEERS
4322 N. LINCOLN AVE. SUITE A
CHICAGO, IL 60618
(872) 270-3691

NO.	DATE	REVISION
4	02.12.2026	CD_F
3	01.15.2026	90% CD PROGRESS PRINT
2	12.19.2025	PDP REVIEW COMMENTS
1	11.19.2025	PDP SUBMITTAL

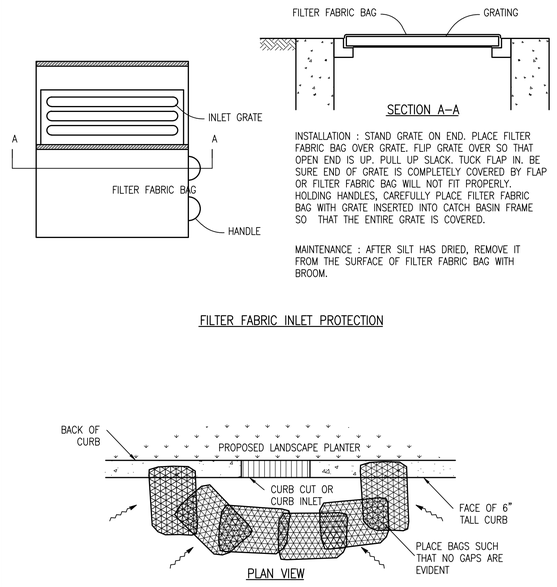
BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081



NOTES:
FILTER FABRIC SHALL BE FASTENED TO WOODEN POSTS USING 1/2" HEAVY DUTY STAPLES. FILTER FABRIC SHALL BE PLACED IN A CONTINUOUS ROLL TO MINIMIZE THE OCCURRENCE OF JOINTS. WHERE JOINTS CANNOT BE AVOIDED, FABRIC SHALL BE SPLICED TOGETHER AT SUPPORT POSTS, WITH A MINIMUM OF 6 INCH OVERLAP, AND SECURELY SEALED.

ALTERNATELY, A 14 GAUGE WIRE FENCE REINFORCEMENT HAVING A MINIMUM HEIGHT OF 18 INCHES AND A MAXIMUM MESH SPACING OF 6 INCHES MAY BE USED AS A FENCE SUPPORT. IF THE WIRE REINFORCEMENT IS USED, STANDARD STRENGTH SYNTHETIC FILTER FABRIC MAY BE USED AND WOODEN POSTS MAY BE SPACED AT 10 FOOT INTERVALS. THE WIRE REINFORCING SHALL BE BURIED A MINIMUM OF 4 INCHES AND SHALL BE FASTENED TO THE WOODEN POSTS USING 1" HEAVY DUTY STAPLES.

SILT FENCE DETAIL 5



INSTALLATION : STAND GRATE ON END. PLACE FILTER FABRIC BAG OVER GRATE. FLIP GRATE OVER SO THAT OPEN END IS UP. PULL UP SLACK. TUCK FLAP IN. BE SURE END OF GRATE IS COMPLETELY COVERED BY FLAP OR FILTER FABRIC BAG WILL NOT FIT PROPERLY. HOLDING HANDLES, CAREFULLY PLACE FILTER FABRIC BAG WITH GRATE INSERTED INTO CATCH BASIN FRAME SO THAT THE ENTIRE GRATE IS COVERED.

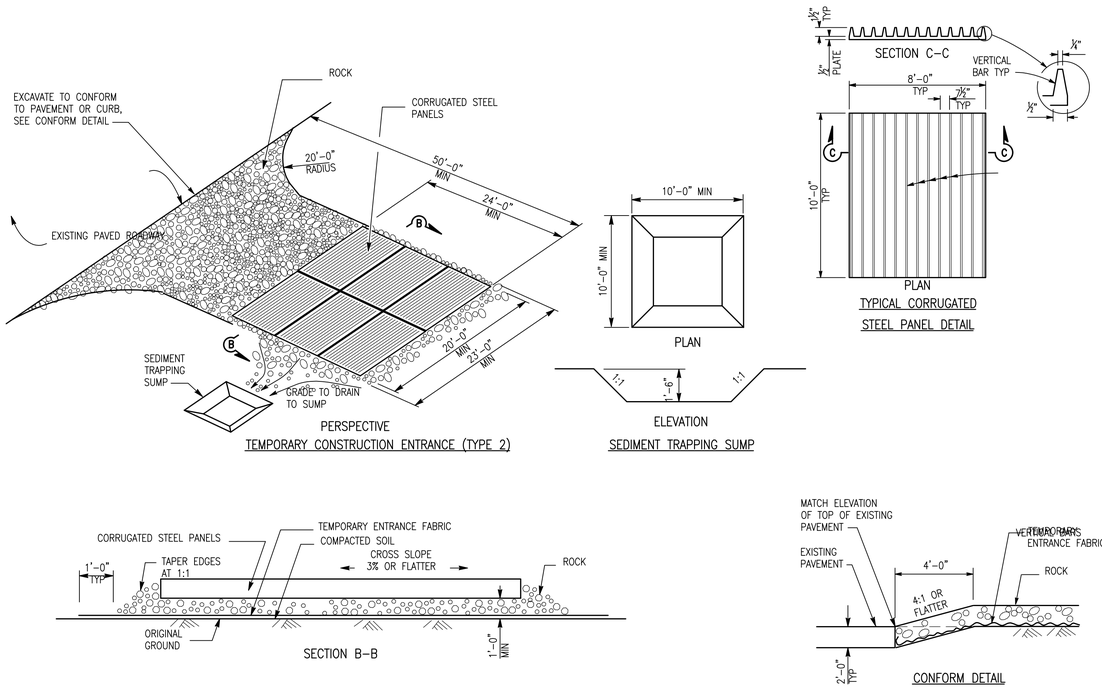
MAINTENANCE : AFTER SILT HAS DRIED, REMOVE IT FROM THE SURFACE OF FILTER FABRIC BAG WITH BROOM.

FILTER FABRIC INLET PROTECTION

NOTES:
1. USE SANDBAGS OF WOVEN GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH 1/2 INCH (OR SMALLER) GRAVEL.
2. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

SANDBAG CURB CUT/INLET PROTECTION

CURB CUT/INLET PROTECTION DETAIL 6

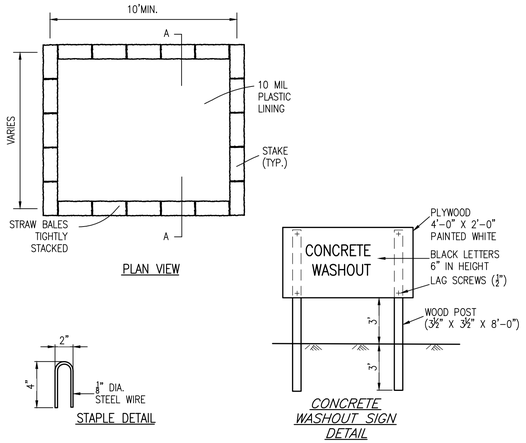


STABILIZED CONSTRUCTION ENTRANCE / EXIT DETAIL 7

PROJECT NO.:	2025–03–04
DRAWN BY:	MRJ/EVW
CHECKED BY:	AJH
DATE:	02.12.2026

SHEET TITLE
CIVIL CONSTRUCTION DETAILS

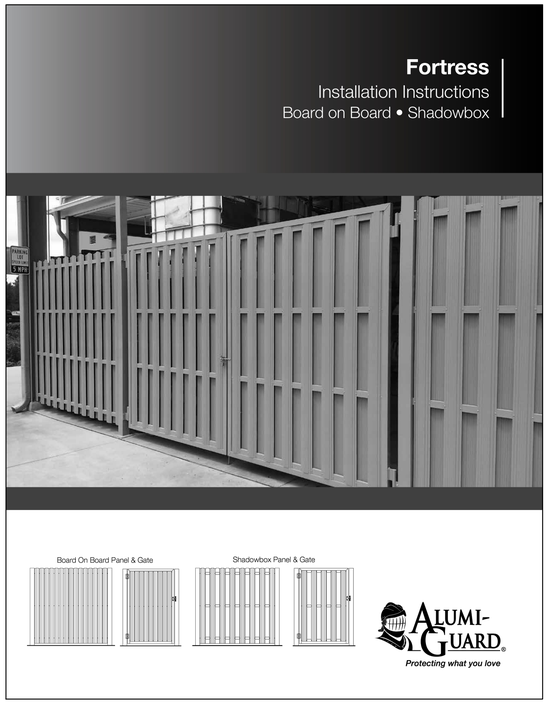
SHEET NO.
C6.2



NOTES:
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
2. THE CONCRETE WASH-OUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY WASH-OUT FACILITY.

1

CONCRETE WASHOUT AREA DETAIL



2

SCREEN FENCE DETAIL

3

NOT USED

4

NOT USED

5

NOT USED

6

NOT USED

7

NOT USED

8

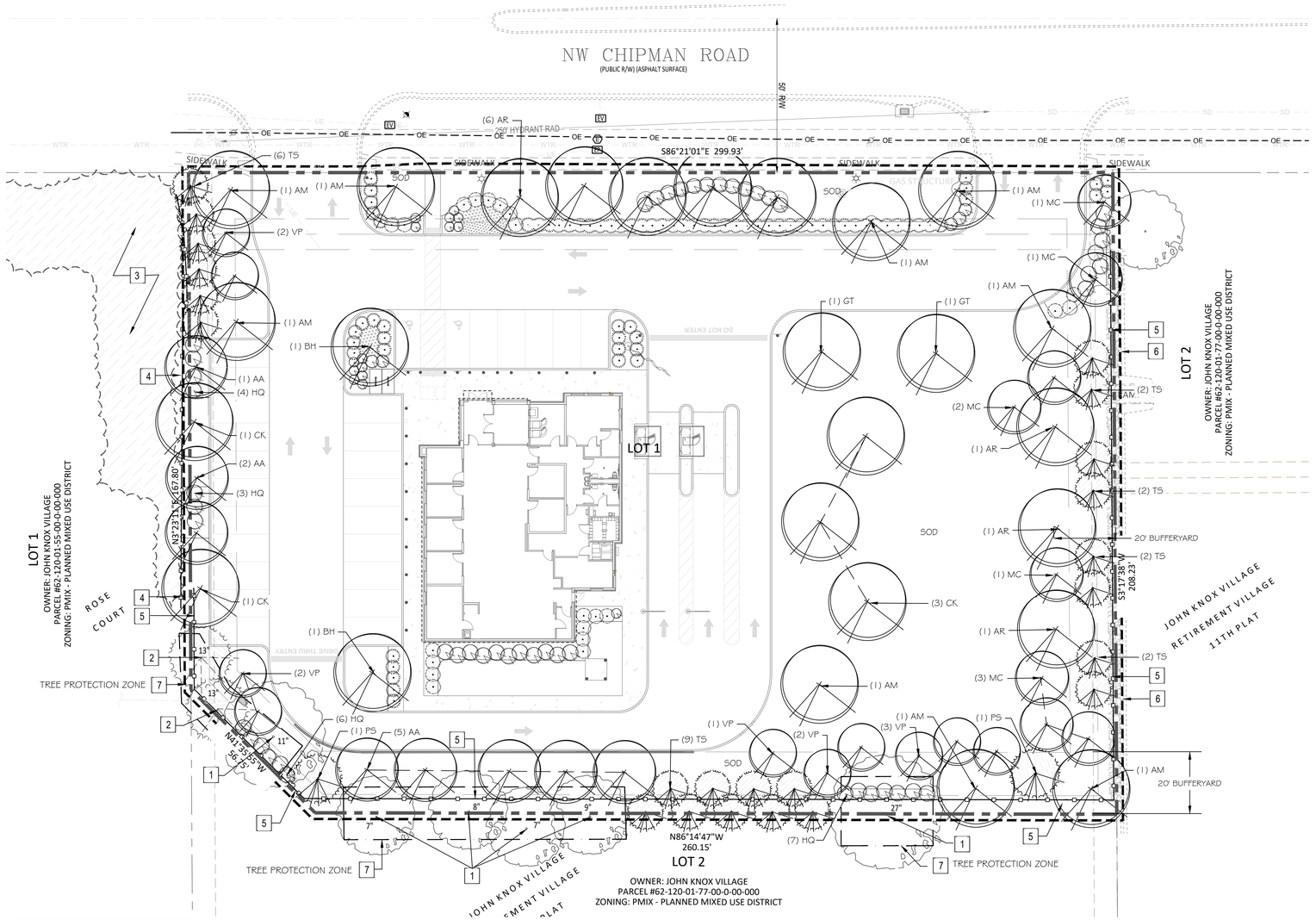
NOT USED

PREPARED BY:
ALLEGRO CIVIL ENGINEERS
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CHICAGO, IL 60618
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NO.	DATE	REVISION
1	11.19.2025	PDP SUBMITTAL
2	12.19.2025	PDP REVIEW COMMENTS
3	01.15.2026	90% CD PROGRESS PRINT
4	02.12.2026	CD_F

BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

PROJECT NO.: 2025-03-04
DRAWN BY: MRJ/EVW
CHECKED BY: AJH
DATE: 02.12.2026
SHEET TITLE
CIVIL CONSTRUCTION DETAILS
SHEET NO.
C6.3



LANDSCAPE PLAN KEY NOTES

1. EXISTING SHADE TREE. PROTECT.
2. EXISTING EVERGREEN TREE, FULL TO GROUND. PROTECT.
3. EXISTING ADJACENT DENSE EVERGREEN TREES SCREENING.
4. EXISTING 6' HT. SCREENING FENCE.
5. PROPOSED 6' HT. SCREENING FENCE. REFER TO DETAIL X ON SHEET CXX.X
6. PROPOSED 5' WIDE GRAVEL AREA BETWEEN EXISTING CURB AND NEW SCREENING FENCE, DUE TO CAR OVERHANG.
7. PROPOSED TREE PROTECTION FENCE. REFER TO DETAIL ON SHEET L-1.2

LANDSCAPE CODE DATA

STREET FRONTAGE TREES:
ONE (1) TREE SHALL BE PLANTED FOR EACH 30 FEET OF STREET FRONTAGE. SUCH TREES MAY BE CLUSTERED OR ARRANGED WITHIN THE SETBACK IF APPROVED AS PART OF THE LANDSCAPE PLAN. A MINIMUM 20-FOOT LANDSCAPE STRIP SHALL BE PROVIDED ALONG THE FULL LENGTH OF ANY STREET FRONTAGE.

STREET FRONTAGE SHRUBS:
ONE (1) SHRUB SHALL BE PROVIDED FOR EACH 20 FEET OF STREET FRONTAGE, OR PORTION THEREOF, WITH IN THE LANDSCAPED SETBACK ABUTTING SUCH FRONTAGE. SUCH SHRUBS MAY BE CLUSTERED OR ARRANGED WITHIN THE SETBACK.

NW CHIPMAN ROAD
299.26 LF (MINUS DRIVES) 230.63 / 30 = 7.68 or 8 TREES REQUIRED — 8 TREES AS PROPOSED
299.26 LF (MINUS DRIVES) 230.63 / 20 = 11.53 or 12 SHRUBS REQUIRED — 12 SHRUBS AS PROPOSED

OPEN YARD TREES:
IN ADDITION TO THE TREES REQUIRED BASED UPON STREET FRONTAGE, ADDITIONAL TREES SHALL BE REQUIRED AT A RATIO OF ONE (1) TREE FOR EVERY 5,000 SQUARE FEET OF TOTAL LANDSCAPED OPEN SPACE.
29,497.79 SF/ 5000 SF = 5.9 OR 6 OPEN YARD TREES REQUIRED. — 6 OPEN YARD TREES AS PROPOSED

OPEN YARD SHRUBS:
THE MINIMUM OF 2 SHRUBS PER 5,000 SQUARE FEET OF TOTAL LOT AREA,
29,497.79 SF/ 5000 SF = 5.9 X 2 = 11.8 OR 12 OPEN YARD SHRUBS REQUIRED — 12 OPEN YARD SHRUBS AS PROPOSED AS COUNTED WITH BUFFERYARD SHRUBS

PARKING LOT LANDSCAPE ISLANDS
LANDSCAPE ISLANDS, STRIPS OR OTHER PLANTING AREAS SHALL BE LOCATED WITHIN THE PARKING LOT AND SHALL CONSTITUTE AT LEAST 5% OF THE ENTIRE AREA DEVOTED TO PARKING SPACES, AISLES AND DRIVEWAYS.

21,817 SF @ 5% = 1,090.85 SF REQUIRED — 1,096.93± SF AS PROPOSED

PARKING LOT SCREENING:
SCREENING TO A HEIGHT OF 2.5 FEET MUST BE PROVIDED ALONG THE EDGE OF THE PARKING LOT OR LOADING AREA CLOSEST TO AND PARALLEL TO THE STREET. — MEETS REQUIREMENT AS PROPOSED

BUFFER/SCREEN REQUIREMENTS:
BUFFERYARD BETWEEN DEVELOPMENTS OF DIFFERING LAND USES ADJOINING ONE ANOTHER OR SEPARATED FROM ONE ANOTHER BY ONLY A STREET OR ALLEY. BUFFERS REQUIRED ALONG ANY SIDE LOT LINE OR REAR LOT LINE SHALL BE NO LESS THAN 20 FEET.
AS SHOWN: 20' WIDE BUFFERYARD AS PROPOSED

REQUIRED HIGH IMPACT SCREENING.
A 100 PERCENT OPAQUE SCREEN BETWEEN LAND USES, WITHIN THE 20-FOOT BUFFER YARD: (1) A SIX-FOOT HIGH MASONRY WALL, OPAQUE VINYL FENCE, OR THREE-FOOT HIGH BERM, (2) AND LOW IMPACT SCREENING.
AS SHOWN: 6' OPAQUE VINYL FENCE (EXISTING or PROPOSED)

LOW IMPACT PLANT MATERIALS REQUIRED:
SCREEN 'TYPE B' USED
SHADE TREES 1/1000 SQ. FT.
ORNAMENTAL TREES 1/50 SQ. FT.
EVERGREEN TREES 1/50 SQ. FT.
SHRUBS 1/50 SQ. FT.

EAST BUFFER YARD 3,968.84 SF
SHADE TREES 3.96 or 4 TREES REQUIRED — 4 TREES AS PROPOSED
ORNAMENTAL TREES 7.94 or 8 TREES REQUIRED — 8 TREES AS PROPOSED
EVERGREEN TREES 7.94 or 8 TREES REQUIRED — 8 TREES AS PROPOSED
SHRUBS 7.94 or 8 SHRUBS REQUIRED — 8 SHRUBS AS PROPOSED

WEST BUFFER YARD 3,316 SF
SHADE TREES 3.32 or 4 TREES REQUIRED — 4 TREES AS PROPOSED
ORNAMENTAL TREES 6.63 or 7 TREES REQUIRED — 7 TREES AS PROPOSED
EVERGREEN TREES 6.63 or 7 TREES REQUIRED — 1 EXISTING EVERGREEN TREE, 6 PROPOSED EVERGREEN TREES, 7 EVERGREEN TREES AS SHOWN
SHRUBS 6.63 or 7 SHRUBS REQUIRED — 7 SHRUBS AS PROPOSED

SOUTH BUFFER YARD 5,967.67 SF
SHADE TREES 5.97 or 6 TREES REQUIRED — 5 EXISTING SHADE TREES, 1 PROPOSED SHADE TREES, 6 SHADE TREES AS SHOWN
ORNAMENTAL TREES 11.93 or 12 TREES REQUIRED — 12 TREES AS PROPOSED
EVERGREEN TREES 11.93 or 12 TREES REQUIRED — 1 EXISTING EVERGREEN TREE, 11 PROPOSED EVERGREEN TREES, 12 EVERGREEN TREES AS SHOWN
SHRUBS 11.93 or 12 SHRUBS REQUIRED — 13 SHRUBS AS PROPOSED

PLANT MATERIALS LIST - THIS SHEET ONLY

KEY	QTY	SHADE TREES	MIN. INSTALLED SIZE	MATURE HT./ SPRD.
AR	9	RED MAPLE - Acer rubrum* 'October Glory'	2-1/2" cal. B/B	45/ 35'
AM	9	SUGAR MAPLE - Acer saccharum* 'Flax Mill'	2-1/2" cal. B/B	60/ 45'
BH	2	DURA HEAT RIVER BIRCH - Betula nigra* 'BNMTF'	2-1/2" cal. B/B Single Stem	40/ 30'
CK	5	YELLOWWOOD - Cladrastis kentukea*	2-1/2" cal. B/B	45/ 50'
GT	2	SKYLINE LOCUST - Gleditsia triacanthos* var. inermis 'Skyline'	2-1/2" cal. B/B	45/ 30'
		ORNAMENTAL TREES		
AA	8	SERVICEBERRY - Amelanchier arborea*	1-1/2" cal. B/B Single Stem	18/ 18'
MC	8	CARDINAL CRABAPPLE - Malus 'Cardinal'	1-1/2" cal. B/B	15/ 15'
VP	10	BLACKHAW VIBURNUM - Viburnum prunifolium*	8' ht. B/B	15/ 15'
		EVERGREEN TREES		
PS	2	WHITE PINE - Pinus stobus*	8' ht. B/B	60/ 30'
TS	23	GREEN GIANT ARBORVITAE - Thuja standishii x plicata 'Green Giant'	8' ht. B/B	50/ 18'
		BUFFERYARD SHRUBS**		
HQ	20	RUBY SLIPPERS HYDRANGEA - Hydrangea quercifolia* 'Ruby Slippers'	# 3 cont.	3/ 4'

* DENOTES MISSOURI NATIVE PLANT
** REFER TO DETAILED LANDSCAPE PLAN SHEET L-1.1 FOR REMAINING BUFFER YARD SHRUBS

NOTE:
REFER TO SHEET L1.1 FOR SHRUBS AND PERENNIALS DESIGNATIONS.

REFER TO SHEET L1.2 FOR LANDSCAPE REQUIREMENTS AND INSTALLATION DETAILS

MISSOURI ONE CALL SYSTEM

ENGINEER'S NOTES TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT FOR THOSE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ASCERTAIN THE TRUE HORIZONTAL AND VERTICAL LOCATION OF ANY UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR DAMAGE TO PUBLIC OR PRIVATE UTILITIES SHOWN OR NOT SHOWN HEREON.

ALLEGRO CIVIL ENGINEERS

PREPARED BY:
ALLEGRO CIVIL ENGINEERS
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NO.	DATE	REVISION
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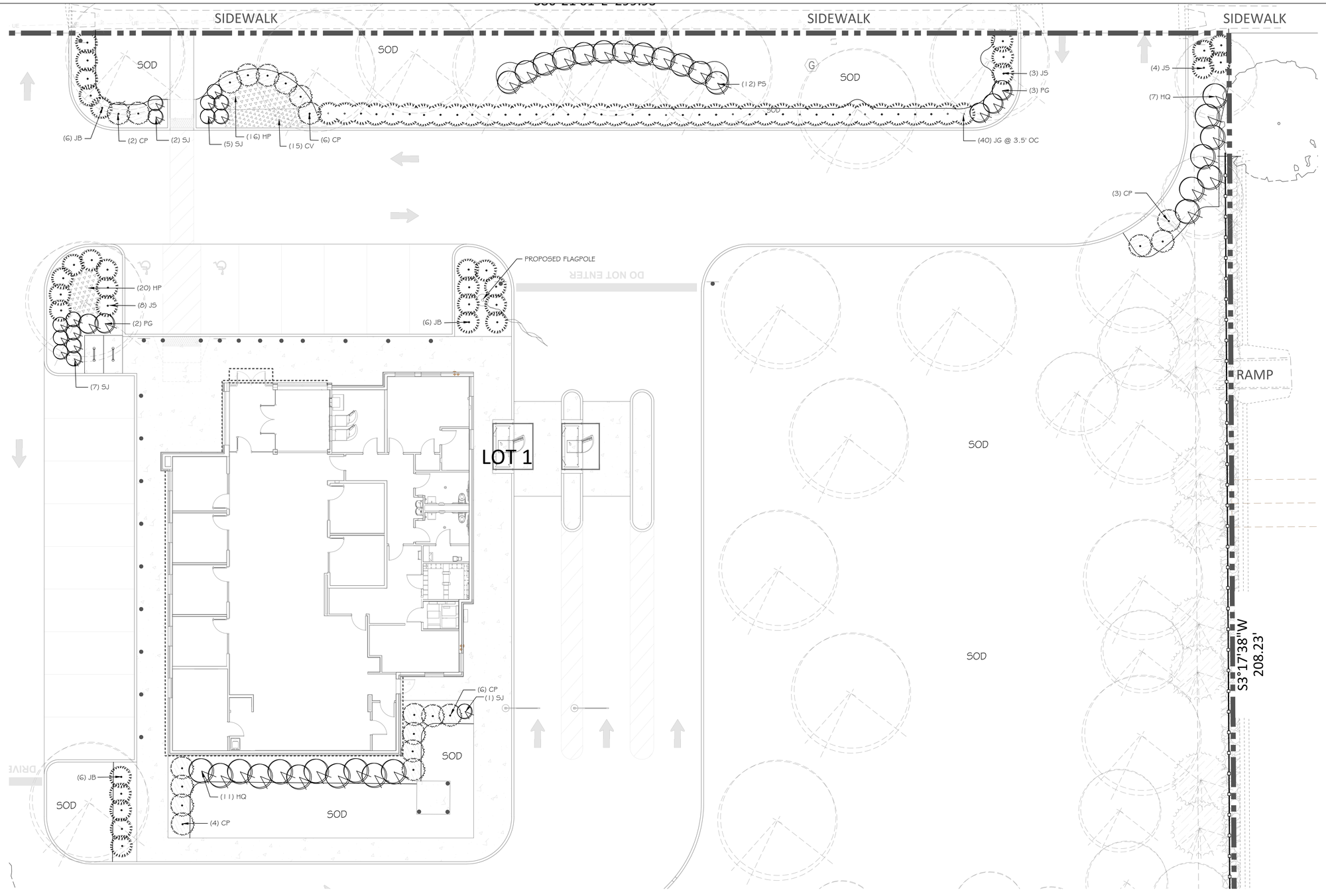
BANK OF AMERICA - CHIPMAN RD

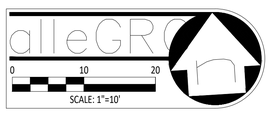
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

LANDSCAPE ARCHITECT:
YELLOW SPRINGS DESIGN
PO Box 472
YELLOW SPRINGS, OHIO 45387
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ysdesign830@outlook.com
LICENSED IN: OH, KY, PA, IN, IL, MO, MI, VA, TX, OK, KS, AZ, CO, NM & UT

STATE OF MISSOURI
ROGER BEAL
NUMBER PLA-2015038293
PROFESSIONAL LANDSCAPE ARCHITECT

PROJECT NO.: 2025-03-04
DRAWN BY: REB
CHECKED BY: REB
DATE: 12.19.2025
SHEET TITLE
LANDSCAPE PLAN
SHEET NO.
L1.0





PLANT MATERIALS LIST - THIS SHEET ONLY

KEY	QTY	SHRUBS	MIN. INSTALLED SIZE	MATURE HT./SPRD.
CP	21	GOLDEN MOP CYPRESS - Chamaecyparis pisifera 'Golden Mop'	# 3 cont.	3'/ 4'
JS	21	CALGARY CARPET JUNIPER - Juniperus sabina 'Monna'	# 3 cont.	9"/ 6'
JB	12	BROADMOOR JUNIPER - Juniperus sabina 'Broadmoor'	# 3 cont.	30"/ 5'
JG	40	GREY OWL JUNIPER - Juniperus virginiana 'Grey Owl'	# 3 cont.	3'/ 6'
HQ	18	RUBY SLIPPERS HYDRANGEA - Hydrangea quercifolia* 'Ruby Slippers'	# 3 cont.	3'/ 5'
PG	5	GOLDFINGER POTENTILLA - Potentilla fruticosa 'Goldfinger'	# 3 cont.	3'/ 4'
SJ	15	NEON FLASH SPIREA - Spiraea japonica 'Neon Flash'	# 3 cont.	3'/ 3'
		PERENNIALS & GRASSES		
CV	15	MOONBEAM COREOPSIS - Coreopsis verticillata* 'Moonbeam'	# 1 cont.	18"/ 2'
HP	36	PARDON ME DAYLILIES - Hemerocallis x 'Pardon Me'	# 1 cont.	2'/ 2'

* DENOTES MISSOURI NATIVE PLANT

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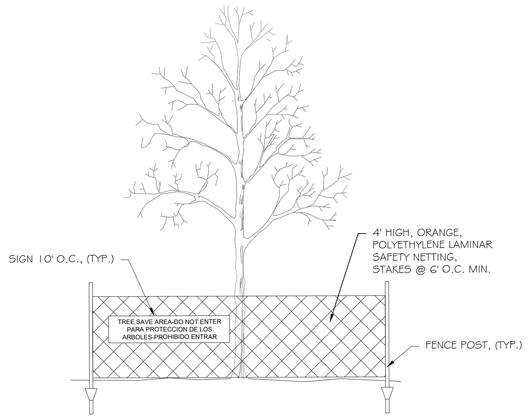
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STATE OF MISSOURI
ROGER BEAL
NUMBER PLA-2015038293
PROFESSIONAL LANDSCAPE ARCHITECT

PROJECT NO.: 2025-03-04
DRAWN BY: REB
CHECKED BY: REB
DATE: 12.19.2025

SHEET TITLE
DETAILED LANDSCAPE PLAN

SHEET NO.
L1.1



TREE PROTECTION FENCE DETAIL

NTS

TREE PROTECTION NOTES

1. ALL TREES SHOWN ON THIS PLAN TO BE RETAINED SHALL BE PROTECTED DURING ALL PHASES OF DEMOLITION/CONSTRUCTION WITH TEMPORARY FENCING. IT SHALL BE THE GENERAL CONTRACTORS RESPONSIBILITY TO COORDINATE WITH LANDSCAPE CONTRACTOR.

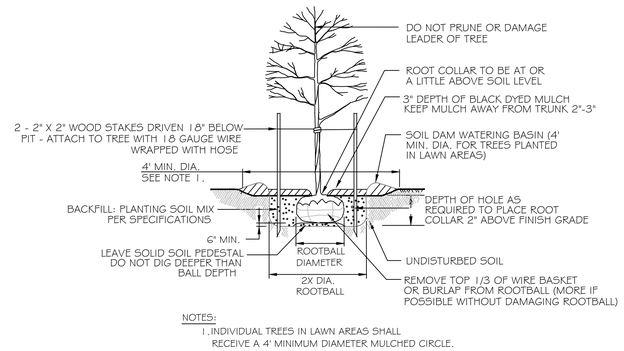
2. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING). CLEARING SHALL BE DONE BY HAND.

3. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED WITH A CLEAN CUT FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY NATIVE SOIL IMMEDIATELY. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.

4. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIP LINES, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS.

5. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHOULD BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS SHOULD BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.

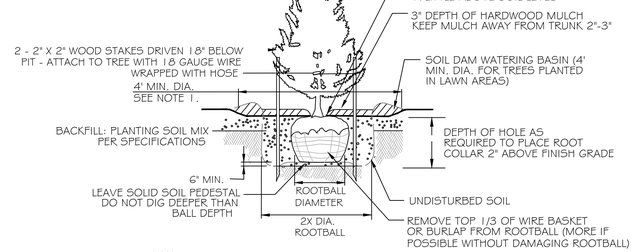
6. DAMAGE TO TREES OR ANY NATURAL RESOURCE DUE TO CONTRACTOR'S NEGLIGENCE DURING THE CONSTRUCTION PHASE SHALL BE APPRAISED BY THE OWNER'S REPRESENTATIVE AND ORDERED REPAIRED, REPLACED, OR COMPENSATED.



NOTES:
1. INDIVIDUAL TREES IN LAWN AREAS SHALL RECEIVE A 4' MINIMUM DIAMETER MULCHED CIRCLE.

TREE PLANTING DETAIL

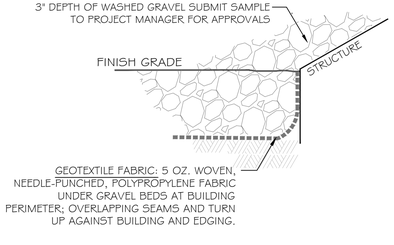
NTS



NOTES:
1. INDIVIDUAL TREES IN LAWN AREAS SHALL RECEIVE A 3-4' MINIMUM DIAMETER MULCHED CIRCLE.
2. STAKE AND WRAP ONLY IF NECESSARY AND REMOVE AS SOON AS ROOTS ARE ESTABLISHED (USUALLY ONE YEAR).

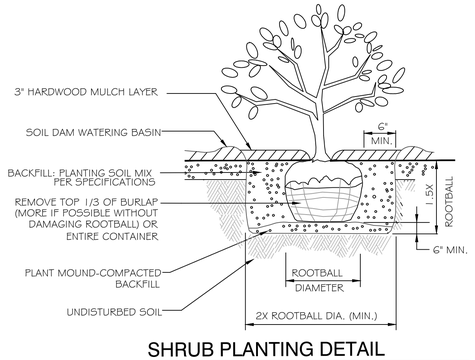
EVERGREEN TREE PLANTING DETAIL

NTS



GRAVEL INSTALLATION

NTS



SHRUB PLANTING DETAIL

NTS

GENERAL LANDSCAPE REQUIREMENTS:

1. DIAMETERS OF PLANT MATERIALS AS DRAWN ARE REPRESENTATIVE OF PLANTS AT OR NEAR MATURITY RATHER THAN AT INITIAL PLANTING.
2. THE PLANT LIST IS INTENDED AS A GUIDE FOR THE LANDSCAPE CONTRACTOR. IN THE EVENT OF DISCREPANCY BETWEEN THE NUMBER OF PLANTS ON THE PLANT LIST AND ON THE DRAWING, THE GREATER NUMBER SHALL APPLY.
3. ADJUSTMENTS IN LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO NEW OR EXISTING UTILITIES OR SITE OBSTRUCTIONS. ADVISE ARCHITECTS REPRESENTATIVE BEFORE ADJUSTMENTS ARE MADE.
4. LANDSCAPE CONTRACTOR SHALL COORDINATE PLANT INSTALLATION SEQUENCE WITH IRRIGATION CONTRACTOR.
5. TREES AND SHRUBS SHALL BE NURSERY GROWN UNLESS OTHERWISE APPROVED AND BE HEALTHY AND VIGOROUS PLANTS, FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUN SCALD, INJURIES, ABRASIONS OF THE BARK, PLANT DISEASES, INSECT PEST EGGS, BORERS AND ALL FORMS OF INFESTATIONS OF OBJECTIONABLE DISFIGUREMENTS. PLANTS SHALL BE IN ACCORDANCE WITH THE CURRENT AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS AND CONFORM IN GENERAL TO REPRESENTATIVE SPECIES.
6. BALLED AND BURLAPPED OR CONTAINER TREES AND SHRUBS SHOULD BE DUG WITH FIRM, NATURAL BALLS OF EARTH OF ADEQUATE SIZE AS SPECIFIED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, "AMERICAN STANDARD FOR NURSERY STOCK" WITH THE BALLS SECURELY WRAPPED.
7. ALL SHRUBS OCCURRING IN CONTINUOUS ROW OR FORMAL ARRANGEMENT SHALL BE OF UNIFORM HEIGHT, SPREAD AND HABIT OF GROWTH.
8. A MINIMUM OF 4" DEPTH OF TOPSOIL SHALL BE PLACED IN ALL BED AREAS BY LANDSCAPE CONTRACTOR PRIOR TO PLANT INSTALLATION. BACKFILL ALL SHRUBS AND TREES WITH BACKFILL MIX OF ONE PART PEAT TO THREE PARTS TOPSOIL
   A. *ROCKHOUND* ALL AREAS TO LOOSEN SOIL TO A DEPTH OF 6" AND REMOVE ROCKS AND WEEDS. AFTER TOPSOIL HAS BEEN SPREAD, *ROCKHOUND* AGAIN TO REMOVE ALL STONES AND LUMPS.
9. MULCH TREES AND SHRUBS WITH MIN. 3" DEPTH AND PERENNIAL BEDS WITH 2" DEPTH OF HARDWOOD MULCH. MULCH SHALL EXTEND IN A CONTINUOUS LAYER WITHIN PLANTING BEDS FROM FACE TO FACE OF SITE STRUCTURES - WALKS, BUILDING OR OTHER PLANT BED LIMITS. KEEP MULCH MIN. 1/2" BELOW TOP OF CURB & ADJACENT PAVED SURFACES.
10. SOD ALL DISTURBED LAWN AREAS WITHIN PROJECT LIMITS AS NOTED ON DRAWINGS. REFER TO CIVIL DRAWINGS FOR REQUIREMENTS AND EXTENT OF WORK AND VERIFY EXTENT WITH ARCHITECTS REPRESENTATIVE.
11. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL PLANTS AND BEDS FOR A MIN. OF 30 DAYS AFTER ACCEPTANCE OF THE WORK BY THE ARCHITECTS REPRESENTATIVE. THIS INCLUDES REGULAR WATERING, WEEDING AND MOWING.
12. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR ONE-YEAR FROM DATE AT END OF MAINTENANCE PERIOD. BEFORE END OF WARRANTY PERIOD CONTRACTOR SHALL REPLACE ALL TREES, SHRUBS OR PLANTINGS NOT ALIVE OR IN A HEALTHY GROWING CONDITION.

DESIGN-BUILD IRRIGATION REQUIREMENTS:

1. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR EVALUATING EXISTING IRRIGATION SYSTEM & SHALL MODIFY, REPAIR OR INSTALL NEW IRRIGATION EQUIPMENT TO MATCH THE EXISTING IRRIGATION EQUIPMENT.
2. THE IRRIGATION CONTRACTOR SHALL DESIGN, FURNISH AND INSTALL AN UNDERGROUND IRRIGATION SYSTEM INCLUDING ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES FOR A COMPLETE AND OPERABLE SYSTEM. SHRUB BEDS AND LAWN AREAS MUST BE ON SEPARATE ZONES PROVIDING A MINIMUM OF 95% COVERAGE. VERIFY EXTENT OF IRRIGATION WITH PROJECT MANAGER.
3. IRRIGATION CONTRACTOR SHALL VERIFY CONTROLLER LOCATIONS WITH PROJECT MANAGER.
4. THE IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR THE EXCAVATION AND BACK FILL FOR THE SYSTEM INSTALLATION; INCLUDING ANY SETTLING THAT MAY OCCUR.
5. THE IRRIGATION CONTRACTOR SHALL FURNISH AN AS-BUILT DRAWING TO THE OWNER UPON COMPLETION AND ACCEPTANCE OF THE WORK.
6. RELATED WORK BY OTHERS: THE FOLLOWING ITEMS ARE TO BE FURNISHED AND INSTALLED BY OTHERS. VERIFY WITH THE GENERAL CONTRACTOR.
   - ELECTRICAL STUB OUT FOR CONTROLLER BY ELECTRICAL CONTRACTOR.
   - WATER TAP AND STUB OUT BY PLUMBING CONTRACTOR.
   - IRRIGATION CONTRACTOR TO DETERMINE LOCATIONS FOR PROPOSED SLEEVES UNDER PAVEMENTS. SLEEVES SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.

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NO.	DATE	REVISION
2	12.19.2025	PDP REVIEW COMMENTS
1	11.19.2025	PDP SUBMITTAL

BANK OF AMERICA - CHIPMAN RD
1801 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

STATE OF MISSOURI
ROGER BEAL
NUMBER PLA-2015038293
PROFESSIONAL LANDSCAPE ARCHITECT

PROJECT NO.: 2025-03-04
DRAWN BY: REB
CHECKED BY: REB
DATE: 12.19.2025

SHEET TITLE
LANDSCAPE REQUIREMENTS & INSTALLATION DETAILS

SHEET NO.
L1.2

GENERAL

1. USE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, SPECIFICATIONS, AND SHOP DRAWINGS.
2. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL CONTRACT DOCUMENTS AND LATEST ADDENDA, AS WELL AS SUBMITTING TO ALL SUBCONTRACTORS AND SUPPLIERS PRIOR TO SUBMITTING SHOP DRAWINGS.
3. DO NOT SCALE DRAWINGS OR AUTO-DIMENSION ELECTRONIC FILES. NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES IN WRITING PRIOR TO FABRICATION OR CONSTRUCTION.
4. COMPARE ALL CONTRACT DRAWINGS AND REPORT ANY DISCREPANCIES BETWEEN DISCIPLINES, AND WITHIN A GIVEN DISCIPLINE, TO THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND ERECTION.
5. IF A CONFLICT EXISTS AMONG THE STRUCTURAL DRAWINGS, SPECIFICATIONS, OR GENERAL NOTES, THE STRICTEST REQUIREMENTS, AS INDICATED BY THE ENGINEER, GOVERNS.
6. COORDINATE ALL ELEVATIONS AND DIMENSIONS, INCLUDING BUT NOT LIMITED TO, OPENINGS IN WALLS AND IN ROOF AND FLOOR SYSTEMS, WITH THE ARCHITECTURAL, PLUMBING, ELECTRICAL, AND MECHANICAL PLANS.
7. VERIFY ALL DIMENSIONS, ELEVATIONS, AND ANY OTHER EXISTING CONDITIONS. NOTIFY THE ARCHITECT AND ENGINEER OF DISCREPANCIES BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. DURING THE CONSTRUCTION PROCESS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF THE EXISTING STRUCTURE AND TO PROTECT FROM DAMAGE ANY PORTIONS THAT REMAIN. THE SHORING AND BRACING SHOWN (IF ANY) IS A PARTIAL AND SCHEMATIC REPRESENTATION. DETERMINE THE ERECTION PROCEDURE TO ENSURE THE STABILITY AND SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION.
8. THE COMPLETED LATERAL-FORCE RESISTING SYSTEMS (LFRS), INCLUDING THE DIAPHRAGMS, ARE REQUIRED TO RESIST LATERAL LOADS AND PROVIDE STABILITY UNDER GRAVITY LOADS. DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR ALL BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS UNTIL THE LATERAL-LOAD RESISTING OR STABILITY-PROVIDING SYSTEM IS COMPLETELY INSTALLED AND THE STRUCTURE IS COMPLETELY TIED TOGETHER.
9. UNLESS OTHERWISE SHOWN, DETAILS SHOWN ARE TYPICAL FOR ALL SIMILAR CONDITIONS.
10. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS, AS WELL AS SAFETY PRECAUTIONS AND PROGRAMS.
11. GALLOWAY IS NOT RESPONSIBLE FOR ACTS OR OMISSIONS OF THE CONTRACTOR, NOR FAILURE TO PERFORM WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
12. PERIODIC SITE OBSERVATION BY GALLOWAY IS FOR DETERMINING IF THE WORK IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. STRUCTURAL OBSERVATIONS ARE NOT INTENDED AS QUALITY CONTROL (CONTRACTOR'S RESPONSIBILITY), QUALITY ASSURANCE (SPECIAL INSPECTOR'S RESPONSIBILITY), NOR TO CONFIRM THE QUALITY OR QUANTITY OF THE WORK.
13. THE BUILDING OWNER IS RESPONSIBLE FOR PERIODIC MAINTENANCE TO ENSURE STRUCTURAL INTEGRITY. MAINTENANCE INCLUDES, BUT IS NOT LIMITED TO, STEEL/CONCRETE COATINGS, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, SPALLS, AND CRACKS IN CONCRETE, AND CLEANING OF EXPOSED STRUCTURAL ELEMENTS.

DESIGN CRITERIA

1. STRUCTURAL DRAWINGS ARE BASED ON THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE, AND THE REFERENCED SECTIONS WITHIN.
2. DEAD LOADS:
   a. STEEL (20 PSF TOTAL)
      1. STRUCTURE 6 PSF
      2. MEP 4 PSF
      3. INSULATION AND ROOFING 10 PSF
3. LIVE LOADS:
   1. LIVE LOADS ARE BASED ON THE MORE RESTRICTIVE OF THE UNIFORM LOAD OR THE CONCENTRATED LOAD LISTED ACTING OVER A 6.25 SQUARE FOOT AREA. LIVE LOADS HAVE BEEN REDUCED AS PRESCRIBED IN THE AFOREMENTIONED BUILDING CODE.

LIVE LOADS

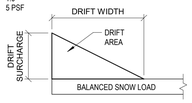
CATEGORY	UNIFORM LOAD (PSF)	CONCENTRATED LOAD (LBS)
ROOFS: ALL ROOF SURFACES SUBJECT TO WORKERS		300
ROOFS: ORDINARY ROOF	20	

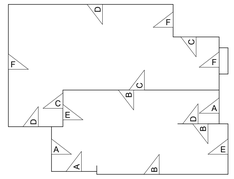
4. DESIGN SNOW LOADS:
   1. GROUND SNOW LOAD: P_G 20 PSF
   2. FLAT ROOF SNOW LOAD: P_F 20 PSF
   3. SNOW EXPOSURE FACTOR: C_E 1.0
   4. SNOW THERMAL FACTOR: C_T 1.0
   5. SLOPE FACTOR: C_S 1.0
   6. SNOW IMPORTANCE FACTOR: I_S 1.0
   7. RAIN-ON-SNOW SURCHARGE: 5 PSF

SNOW DRIFT DIAGRAM

BALANCED SNOW LOAD : 14 PSF

DRIFT AREA	DRIFT SURCHARGE	DRIFT WIDTH
A	0 PSF	0'-0"
B	20.3 PSF TO 0 PSF	4'-11"
C	22.3 PSF TO 0 PSF	5'-5"
D	26.9 PSF TO 0 PSF	6'-6"
E	31.2 PSF TO 0 PSF	7'-7"
F	35.3 PSF TO 0 PSF	8'-7"





1. DESIGN WIND LOADS:
   A. BASIC WIND SPEED: V_{ULT} 109 MPH (3-SEC GUST)
   B. BASIC WIND SPEED: V_{ASD} 84.4 MPH (3-SEC GUST)
   C. RISK CATEGORY: II
   D. WIND EXPOSURE: C
   E. INTERNAL PRESSURE COEFF: GC_{PI} ±0.18
   F. COMPONENTS & CLADDING WIND PRESSURES (ULTIMATE):

Ultimate Design Wind Pressure (psf)

			Effective Wind Area (sq ft)					
Walls:			**10**	**20**	**50**	**100**	**200**	**500**
Interior	Zone 4	+	24.1	23.0	21.6	20.5	19.5	18.1
		-	-26.1	-25.0	-23.6	-22.6	-21.5	-20.1
Edge	Zone 5	+	24.1	23.0	21.6	20.5	19.5	18.1
		-	-32.1	23.0	21.6	-25.0	-22.9	-20.1
Roof:			**10**	**20**	**50**	**100**	**200**	**500**
Interior	Zone 1	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-41.9	-39.2	-35.5	-32.7	-30.0	-26.3
Interior	Zone 1'	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-24.1	-24.1	-24.1	-24.1	-20.7	-16.3
Edge	Zone 2	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-55.3	-51.8	-47.1	-43.5	-39.9	-35.2
Corner	Zone 3	+	16.0	16.0	16.0	16.0	16.0	16.0
		-	-75.4	-68.3	-58.9	-51.8	-44.6	-35.2
Overhang:			**10**	**20**	**50**	**100**	**200**	**500**
Interior	Zone 4	+	24.1	23.0	21.6	20.5	19.5	18.1
		-	-51.30	-46.6	-40.3	-35.5	-30.8	-24.5
Edge	Zone 5	+	24.1	23.0	21.6	20.5	19.5	18.1
		-	-71.40	-63.10	-52.10	-43.80	-35.51	-24.5
Parapet			**10**	**20**	**50**	**100**	**200**	**500**
Edge	Zone 2	+	79.2	74.0	67.3	62.1	57.0	50.2
		-	-46.8	-44.4	-41.3	-38.9	-36.5	-33.4
Corner	Zone 3	+	101.4	92.4	80.4	71.3	62.2	50.2
		-	-53.4	-49.9	-45.2	-41.6	-38.1	-33.4

WIDTH OF ZONE, a = 4.8 FT, h = 16 FT

1. SEISMIC LOADS:
   A. RISK CATEGORY: II
   B. SEISMIC IMPORTANCE FACTOR: I_E 1.0
   C. SHORT PERIOD SPECTRAL RESPONSE ACCELERATION: S_S 0.099 g
   D. 1-SEC PERIOD SPECTRAL RESPONSE ACCELERATION: S_1 0.068 g
   E. SITE CLASS: C
   F. SHORT PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION: S_{DS} 0.086 g
   G. 1-SEC PERIOD DESIGN SPECTRAL RESPONSE ACCELERATION: S_{D1} 0.068 g
   H. SEISMIC DESIGN CATEGORY: B
   I. BASIC SEISMIC-FORCE RESISTING SYSTEM: STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS
   J. DESIGN BASE SHEAR: V 0.029W
   K. SEISMIC RESPONSE COEFFICIENT: C_S 0.029
   L. RESPONSE MODIFICATION FACTOR: R 3
   M. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
2. RAIN LOADS:
   A. RAIN INTENSITY (100-YEAR STORM): I 3.52 IN/HR
3. VERIFY ALL MECHANICAL EQUIPMENT WEIGHTS, LOCATIONS,, AND ASSOCIATED OPENINGS WITH THE MECHANICAL CONTRACTOR, AND SUBMIT INFORMATION PRIOR TO FABRICATION OF THE SUPPORTING STRUCTURE. NOTIFY THE ENGINEER IF THE ACTUAL WEIGHT EXCEEDS THE WEIGHT INDICATED ON THE STRUCTURAL DRAWINGS.
4. DESIGN, DETAIL, AND CONSTRUCT WALLS, PARTITIONS, ROOFING, CLADDING, AND OTHER COMPONENTS TO ACCOMMODATE VERTICAL DEFLECTIONS AND LATERAL DRIFTS.
   A. ALLOWABLE INTERSTORY DRIFT = 0.0025*H (10 YEAR SERVICE LEVEL WIND)
   B. ALLOWABLE INTERSTORY DRIFT = 0.020 *H (SEISMIC)

FOUNDATIONS

1. AN ALLOWABLE BEARING CAPACITY OF 2000 PSF HAS BEEN USED BASED ON THE GEOTECHNICAL REPORT DATED 10/23/2025 BY TERRACON, PROJECT NUMBER 02250306.
2. ALL SOILS WORK, INCLUDING BACKFILL OF UTILITY TRENCHES AND THE VERIFICATION OF BEARING CAPACITY MUST BE UNDER THE DIRECTION OF A QUALIFIED GEOTECHNICAL ENGINEER. PROXIMITY OF UTILITY TRENCHES TO BUILDING FOUNDATION SYSTEM MUST BE AS APPROVED BY THE GEOTECHNICAL ENGINEER TO ENSURE INTEGRITY OF THE BEARING SOILS.
3. ALL FOUNDATIONS BEAR ON UNDISTURBED EARTH OR ENGINEERED FILL AT ELEVATIONS SHOWN ON PLANS AND DETAILS. COORDINATE FINAL TOP OF FOOTING ELEVATIONS WITH THE ARCHITECTURAL ELEVATIONS, MEP DRAWINGS, AND CIVIL GRADING PLANS PRIOR TO PLACEMENT. FOUNDATION STEPS INDICATED ARE APPROXIMATE, UNLESS NOTED OTHERWISE, AND MUST BE FIELD COORDINATED. THE BOTTOM OF EXTERIOR FOUNDATION ELEVATIONS MUST BE BELOW THE FROST DEPTH ELEVATION 1'-8" MEASURED FROM EXTERIOR FINISHED GRADE.
4. BEAR FLOOR SLABS ON 4 INCH MINIMUM DRAINAGE COURSE (COMPACTED STONE) UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT OR DRAWINGS. PLACE THE VAPOR RETARDER BETWEEN THE DRAINAGE COURSE AND THE SLAB. VAPOR RETARDER IS ASTM E1745, CLASS B, 10 MIL UNLESS NOTED OTHERWISE. PLACE, PROTECT, AND REPAIR PER ASTM E1643 AND MANUFACTURER'S INSTRUCTIONS.
5. DO NOT INSTALL FOUNDATION CONCRETE UNTIL ALL FOUNDATION WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES. NOTIFY THE ENGINEER OF ALL CONFLICTS BETWEEN FOUNDATIONS AND UTILITIES.
6. ALL FOUNDATIONS, OR PORTIONS THEREOF BELOW GRADE, MAY BE EARTH FORMED BY NEAT EXCAVATIONS. DO NOT PLACE FOUNDATIONS, SLABS, OR OTHER CONCRETE ON FROZEN SUBGRADE OR IN STANDING WATER.
7. CENTER ALL FOUNDATIONS ON WALLS AND/OR COLUMNS, UNLESS NOTED OTHERWISE.
8. DETERMINE THE EXTENT OF CONSTRUCTION DEWATERING REQUIRED FOR THE EXCAVATIONS. SUBMIT THE PROPOSED CONSTRUCTION DEWATERING PLAN TO THE GEOTECHNICAL ENGINEER FOR REVIEW PRIOR TO EXCAVATION.
9. DO NOT PLACE UNBALANCED BACKFILL UNLESS OTHERWISE BRACED OR SUPPORTED AGAINST OVERTURNING.
10. DO NOT ALLOW HEAVY EQUIPMENT WITHIN A DISTANCE TO EARTH RETAINING WALLS EQUAL TO THE HEIGHT OF RETAINED EARTH PLUS TWO FEET. USE ONLY HAND-OPERATED VIBRATORY COMPACTORS FOR COMPACTING BEHIND RETAINING WALLS.

CONCRETE

1. CONCRETE MUST CONFORM TO THE CONCRETE PROPERTIES SPECIFIED IN THE CONCRETE PROPERTIES TABLE.
2. CONCRETE MUST HAVE ALLOWABLE UNIT SHRINKAGE OF 0.045% AT 28 DAYS (SEE ASTM C157).
3. SLABS TO RECEIVE MOISTURE SENSITIVE FLOOR COVERINGS MUST HAVE MAXIMUM WATER/CEMENTITIOUS MATERIAL RATIO OF 0.45.
4. CONCRETE CONSTRUCTION MUST CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE".
5. ALL CONCRETE PLACEMENT SHALL ADHERE TO APPLICABLE SECTIONS OF ACI 305 AND ACI 306 FOR HOT WEATHER/COLD WEATHER CONCRETE PLACEMENT.
6. CONCRETE MATERIALS MUST CONFORM TO THE FOLLOWING SPECIFICATIONS:
   A. PORTLAND CEMENT: ASTM C150, TYPE I OR II
   B. AGGREGATE (NORMAL WEIGHT): ASTM C33
7. ALL REINFORCEMENT MUST CONFORM TO THE FOLLOWING SPECIFICATIONS:
   A. ALL REINFORCING, UNO: ASTM A615 GRADE 60
   B. WELDED WIRE REINFORCEMENT (WWR):
      a. SMOOTH WIRE: ASTM A1064 (65 KSI)
      b. DEFORMED WIRE: ASTM A1064 (70 KSI)
8. REINFORCEMENT DETAILING:
   A. DETAIL AND PLACE REINFORCEMENT IN ACCORDANCE WITH ACI 315.
   B. DEVELOPMENT AND SPLICE LENGTHS ARE IN TENSION UNLESS NOTED OTHERWISE. REFER TO THE REINFORCING BAR LAP LENGTH SCHEDULE ON THE TYPICAL DETAIL SHEETS.
   C. PLACE WWR 2" CLEAR FROM TOP OF SLAB UNESS NOTED OTHERWISE. LAP WWR ONE CROSSWIRE SPACING PLUS 2".
   D. INSTALL CORNER BARS AT ALL FOOTINGS AND WALL INTERSECTIONS TO MATCH HORIZONTAL REINFORCING SIZE AND SPACING. AT INTERSECTIONS OF CONTINUOUS SPREAD FOOTINGS, EXTEND ALL BARS TO FAR SIDE OF INTERSECTING FOOTING.
   E. INSTALL AND SECURE REINFORCEMENT TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. PROVIDE THE FOLLOWING CONCRETE COVER FOR REINFORCING ACI 318 SECTION 20.5 AND IBC TABLE 721.1, UNLESS SPECIFICALLY NOTED OTHERWISE:
      a. CAST AGAINST EARTH: 3"
      b. EXPOSED TO EARTH/WEATHER: #6 THRU #18 2"
      c. EXPOSED TO EARTH/WEATHER: #5 & SMALLER 1 1/2"
      d. SLABS, WALLS, JOISTS: #11 & SMALLER 3/4"
   F. INSTALL DOWELS TO MATCH REINFORCEMENT SIZE AND SPACING INDICATED, UNLESS NOTED OTHERWISE.
9. CAST FOUNDATION WALLS, GRADE BEAMS, AND FOOTINGS IN ALTERNATE PANELS NOT TO EXCEED 60'-0" IN LENGTH. INSTALL SHEAR KEYS AT EACH CONSTRUCTION JOINT AND LOCATED AT 1/3 POINTS OF SPANS.
10. DO NOT USE HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS UNLESS SHOWN ON THE DRAWINGS. THE ENGINEER MUST APPROVE ALL DEVIATIONS OR ADDITIONAL JOINTS IN WRITING.
11. CHAMFER ALL PERMANENTLY EXPOSED CONCRETE EDGES 3/4 INCH, UNLESS NOTED OTHERWISE.
12. REFERENCE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF OPENINGS AND SLEEVES IN CONCRETE WALLS AND SUPPORTED FLOORS. SPREAD REINFORCEMENT AT OPENINGS AND SLEEVES UNLESS OTHERWISE INDICATED. DO NOT CUT REINFORCEMENT.
13. SLOPE CONCRETE SLABS TO FLOOR DRAINS SHOWN ON MECHANICAL, PLUMBING, CIVIL, AND ARCHITECTURAL DRAWINGS.
14. BOND NEW CONCRETE TO HARDENED CONCRETE WITH A STRUCTURAL ADHESIVE BONDING AGENT PER ASTM C1059. INSTALL PER THE MANUFACTURER'S INSTRUCTIONS.
15. NO HOLES OR OPENINGS THROUGH FOUNDATION WALLS AND/OR FOOTINGS WITHOUT ENGINEER'S APPROVAL.
16. DO NOT EMBED ALUMINUM IN CONCRETE.

CONCRETE PROPERTIES

USAGE	STRENGTH (PSI)	TYPE	COMMENTS	DURABILITY CLASSIFICATION
ALL CONCRETE NOT OTHERWISE SPECIFIED	4000	NWT		F0, S0, W0, C1
FOOTINGS	4000	NWT		F0, S0, W0, C1
FOUNDATION WALLS	4000	NWT		F1, S0, W0, C1
SLAB-ON-GRADE EXTERIOR	4500	NWT		F2, S0, W0, C1
SLAB-ON-GRADE INTERIOR	3500	NWT		F0, S0, W0, C0

CONCRETE PROPERTIES TABLE NOTES:
A. MINIMUM STRENGTH AND MAXIMUM DENSITY MEASURED AT 28 DAYS.
B. NWT = NORMAL WEIGHT CONCRETE
C. DURABILITY CLASSIFICATION INDICATES CONCRETE REQUIREMENTS BY EXPOSURE CLASS, REFER TO TABLE 19.3.2.1 OF ACI 318.

STRUCTURAL STEEL

1. HOT ROLLED STEEL BARS, PLATES, SHAPES, AND SHEET PILING MUST BE NEW STEEL CONFORMING TO ASTM A6. FABRICATE AND INSTALL STEEL IN ACCORDANCE WITH AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL IS AS FOLLOWS, UNLESS NOTED OTHERWISE:
   A. WIDE FLANGE AND WT-SHAPES: ASTM A992 F_Y = 50 KSI
   B. RECTANGULAR AND SQUARE HSS: ASTM A500, GRADE B F_Y = 46 KSI
   C. ALL OTHER STRUCTURAL STEEL: ASTM A36 F_Y = 36 KSI
   D. ANCHOR RODS: ASTM F1554, GRADE 36
   E. THREADED RODS: ASTM A36
   F. STIFFENER PLATES AND DOUBLER PLATES: ASTM A572, GRADE 50
   G. ASTM A572 GRADE 50 IS ACCEPTABLE AS A SUBSTITUTE FOR A992.
3. CENTER COLUMNS AND BEAMS ON GRID LINES UNLESS NOTED OTHERWISE.
4. CONNECTIONS:
   DESIGN ALL STEEL CONNECTIONS NOT COMPLETELY DETAILED ON THESE DRAWINGS FOR THE FACTORED LOAD AND RESISTANCE FACTOR DESIGN (LRFD) FORCES INDICATED. SUBMIT CONNECTION CALCULATIONS AND DETAILS SEALED BY A REGISTERED PROFESSIONAL ENGINEER. CONNECTION ENGINEER MUST REVIEW STEEL SHOP DRAWINGS FOR CONNECTION SCOPE ITEMS AND SUBMIT A SEALED LETTER SUMMARIZING THE REVIEW PER AISC 303. SHOP DRAWINGS CONTAINING CONNECTIONS FOR WHICH CALCULATIONS HAVE NOT BEEN RECEIVED WILL BE RETURNED AS AN INCOMPLETE SUBMITTAL. CONNECTION ECCENTRICITY MUST BE TAKEN INTO ACCOUNT WHEN DESIGNING AND DETAILING THE CONNECTIONS. WHERE AXIAL LOADS PRESENT ON BOTH SIDES OF HSS COLUMNS, SHEAR PLATES MUST KNIFE THROUGH COLUMNS. WHERE AXIAL LOADS PRESENT ON BOTH SIDE OF A BEAM, SHEAR TAB CONNECTIONS ARE TO BE USED IN LIEU OF ANGLES. BEAM TO BEAM CONNECTIONS WITHOUT AXIAL LOADS MAY BE DOUBLE ANGLE OR SHEAR TAB.
5. BOLT CONNECTIONS (UNLESS OTHERWISE NOTED OR REQUIRED):
   A. BOLTS: ASTM F3125, GRADE A325
   B. WASHERS: ASTM F436, TYPE 1
   C. NUTS: ASTM A563, GRADE DH
   D. CONNECT A MINIMUM OF ONE-HALF (1/2) THE DEPTH OF THE MEMBER.
   E. UNLESS NOTED OTHERWISE, BOLTS MAY BE TIGHTENED TO THE "SNUG TIGHT" CONDITION IN LIEU OF PRETENSIONING. EXCEPT FOR SLIP CRITICAL CONNECTIONS WHICH ARE PRETENSIONED USING CLASS [A] CONTACT SURFACES. USE SLIP-CRITICAL CONNECTIONS FOR ALL BOLTED MOMENT CONNECTIONS, BRACE CONNECTIONS, AND CONNECTED DRAG ELEMENTS. USE BEARING CONNECTIONS WITH THREADS INCLUDED FOR ALL OTHER CONNECTIONS.
   F. PRETENSION ANCHOR RODS AT LATERAL-FORCE-RESISTING-SYSTEM COLUMNS (BRACED FRAMES, MOMENT FRAMES, ETC.)
   G. CENTER BOLT IN SLOTTED HOLES.
6. WELD CONNECTIONS (UNLESS OTHERWISE NOTED OTHERWISE):
   A. WELDING IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE - STEEL".
   B. USE E70XX (SMAW), F7XX-EXXX (SAW), ER70S-X (GMAW), OR E7XT-X (FCAW) ELECTRODES FOR WELDING, UNLESS NOTED OTHERWISE.
   C. SHOW ALL FIELD WELDS REQUIRED ON ERECTION DRAWINGS.
   D. USE CONTINUOUS 1/4" FILLET WELDS UNLESS NOTED OTHERWISE.
7. CUTS INDICATED ON THE DRAWINGS, OR AS REQUIRED FOR OTHER TRADES, MUST BE MADE IN THE SHOP AND SHOWN ON THE SHOP DRAWINGS. FIELD PERFORMED HOLES OR CUTS ARE NOT PERMITTED WITHOUT ENGINEER APPROVAL.
8. INSTALL NONMETALLIC SHRINKAGE-RESISTANT GROUT BELOW BASE PLATES, IN ACCORDANCE WITH ASTM C1107 AND A MINIMUM STRENGTH OF 6,000 PSI.
9. FABRICATE STRUCTURAL STEEL WITH ONE COAT OF SHOP PRIMER EXCEPT THE FOLLOWING MEMBERS: GALVANIZED SURFACES, SLIP-CRITICAL SURFACES, SURFACES TO BE FIELD WELDED, SURFACES TO RECEIVE FIRE PROOFING, OR UNLESS NOTED OTHERWISE. COORDINATE AREAS TO BE FIREPROOFED WITH ARCHITECTURAL DRAWINGS PRIOR TO FABRICATION.
10. GALVANIZED STRUCTURAL STEEL: ASTM A123 OR ASTM A153. GALVANIZE AFTER FABRICATION. GALVANIZE ALL EXTERIOR EXPOSED STEEL, UNLESS NOTED OTHERWISE. REPAIR DAMAGED GALVANIZED COATINGS IN ACCORDANCE WITH ASTM A780.
11. UNLESS NOTED OTHERWISE, THE TOP OF ALL STEEL COLUMNS ARE FABRICATED WITH A STEEL CAP PLATE - MINIMUM CAP PLATE DIMENSIONS MATCH COLUMN WIDTH AND DEPTH, AND MINIMUM THICKNESS OF CAP PLATE EQUALS COLUMN WEB THICKNESS (1/2" MINIMUM).
12. COORDINATE THE EXACT LOCATION AND SIZE OF ALL OPENINGS FOR MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION.
13. REFERENCE THE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL STEEL (IF ANY) NOT INDICATED ON THE STRUCTURAL DRAWINGS.

STEEL DECKING

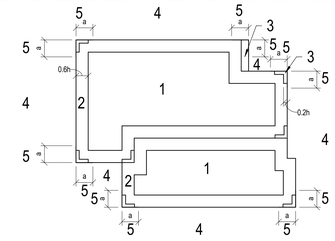
1. DESIGN, FABRICATE, AND ERECT STEEL DECKING PER THE STEEL DECK INSTITUTE (SDI) "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, AND ROOF DECKS" AND AISI "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. SPAN DECK PERPENDICULAR TO THE SUPPORTS WITH A MINIMUM OF THREE SPAN CONTINUOUS, UNLESS NOTED OTHERWISE. ATTACH STEEL DECK TO ALL SUPPORTS INDICATED.
3. INSTALL STEEL DECK WITH SUFFICIENT BEARING AT END AND INTERMEDIATE SUPPORTS TO PREVENT WEB CRIPPLING (1 1/2" AND 3", RESPECTIVELY).
4. SHORE DECKING AS REQUIRED WITH MINIMUM SHORING BEAM WIDTHS PER THE DECK MANUFACTURER'S RECOMMENDATIONS.
5. COORDINATE LOCATIONS AND DETAILS OF MECHANICAL EQUIPMENT, DECK OPENING SLEEVES, INSERTS, ETC. PRIOR TO FABRICATION. ADD STEEL SUPPORTS ON ALL SIDES OF DECK OPENINGS MEASURING GREATER THAN 12" ON ANY SIDE. SPAN SUPPORTS BETWEEN ADJACENT BEAMS OR JOISTS ON TWO SIDES. UNLESS OTHERWISE NOTED OR DETAILED ON THE DRAWINGS, USE L5x5x5/16 ANGLES FOR SPANS EXCEEDING 6'-0" AND L3x3x1/4 ANGLES FOR SPANS LESS THAN 6'-0". COORDINATE OPENING SIZES, LOCATIONS, AND DETAILS WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.
6. INSTALL CELL CLOSURES, COLUMN CLOSURES, FINISH STRIPS, GIRDER FILLERS, POUR STOPS, AND ATTACHMENTS AS REQUIRED TO ACHIEVE A COMPLETE SYSTEM. UNLESS NOTED OTHERWISE, INSTALL POUR STOPS OF LENGTH, DEPTH, AND GAGE APPROPRIATE FOR OVERHANG AND SLAB DEPTH INDICATED.
7. WELD L3x3x3/16 STEEL ANGLES TO FACE OF COLUMNS TO SUPPORT FLOOR DECK WHERE DECKING IS CUT AROUND COLUMNS.
8. COMPLY WITH AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL" FOR DECK WELDS. USE WELDING WASHERS FOR DECK THINNER THAN 0.028 INCHES.
9. SUBMIT SEALED CALCULATIONS FOR ALTERNATE DECK FASTENERS PRIOR TO FABRICATION.
10. DO NOT SUPPORT PERMANENT LOADS SUCH AS SUSPENDED CEILINGS, LIGHT FIXTURES, DUCTS, OR OTHER UTILITIES FROM STEEL ROOF DECK.
11. WIRE BRUSH AND TOUCH-UP ALL SCARRED, ABRADED, WELDED, AND CORRODED AREAS OF ROOF STEEL DECK WITH ZINC RICH PAINT BEFORE APPLYING FINISHES.
12. ROOF DECK:
   A. MINIMUM SECTION PROPERTIES:

ROOF DECK SCHEDULE

DECK TYPE	DESIGN THICKNESS (IN)	FINISH	SECTION PROPERTIES				
			Ip*4	Sp (IN³/FT)	In*4	Sn (IN³/FT)	Fy (KSI)
1.5B20	0.0358	GALVANIZED G60	0.197	0.224	0.217	0.229	50

   B. DECK ATTACHMENT:
      1. 5/8" PUDDLE WELDS IN 36/4 PATTERN AT SUPPORTS
      2. 5/8" PUDDLE WELD AT 6" AT DIAPHRAGM BOUNDRIES
      3. 2 - #10 SIDELAP SCREWS PER DECK SPAN

13. FACTORY MUTUAL (FM) GLOBAL ROOF DECK SECUREMENT CRITERIA:
   A. FASTEN STEEL DECK IN ACCORDANCE W/ FM GLOBAL PROPERTY LOSS PREVENTION DATA SHEET 1-29, "ROOF DECK SECUREMENT AND ABOVE-DECK ROOF COMPONENTS", SECTION 2.2.3.4 AND TABLES 2, 3, & 4 AS FOLLOWS UNLESS A MORE STRINGENT ATTACHMENT HAS BEEN SPECIFIED.



NOTES:

1. BUILDING FOOTPRINT DEPICTED IS SCHEMATIC AND SOLELY FOR DESCRIBING ZONES.
2. ZONE WIDTHS SHOWN ABOVE ARE APPLICABLE FOR MONOSLOPE ROOFS WITH 0 ≤ 3° AND GABLE ROOFS WITH 0 ≤ 7°.
3. WIDTH OF PRESSURE COEFFICIENT ZONE = a, REFER TO TABLES ON GENERAL NOTES PAGE.
4. SUPPORT FASTENER INDICATES ATTACHMENT OF METAL DECK TO BEARING MEMBER OR PERIMETER EDGE ANGLE.
5. SIDELAP FASTENER INDICATES DECK-TO-DECK ATTACHMENT.

FACTORY MUTUAL (FM) GLOBAL ROOF DECK SECUREMENT CRITERIA:

SDI PATTERN	SUPPORT FASTENER "FIELD"	SUPPORT FASTENER "PERIMETER"	SUPPORT FASTENER "CORNER" (NOTE a)	SIDELAP FASTENER	
				≤ 115 MPH	> 115 MPH
36/4	(1) 5/8"Ø PUDDLE WELD OR (1) FM APPROVED DECK FASTENER	(1) 5/8"Ø PUDDLE WELD @ 6" OC MAX OR (1) FM APPROVED DECK FASTENER @ 6" OC MAX	(1) 3/4"Ø PUDDLE WELD @ 6" OC MAX OR (1) FM APPROVED DECK FASTENER @ 6" OC MAX	24" OC MAX	12" OC MAX
30/6	(1) 5/8"Ø PUDDLE WELD OR (1) FM APPROVED DECK FASTENER	(2) 5/8"Ø PUDDLE WELD @ 6" OC MAX OR (2) FM APPROVED DECK FASTENER @ 6" OC MAX	(2) 3/4"Ø PUDDLE WELD @ 6" OC MAX OR (2) FM APPROVED DECK FASTENER @ 6" OC MAX	24" OC MAX	12" OC MAX

NOTES:

1. FM APPROVED FASTENERS FOR CORNER ZONE ATTACHMENT INCLUDE A 1" MINIMUM DIAMETER INTEGRAL WASHER OR 3/4" MINIMUM STAND-ALONE WASHER BETWEEN HEAD AND BASE MATERIAL.
2. WIND SPEEDS BASED ON ASCE 7.

COLD-FORMED STEEL FRAMING

1. DESIGN COLD-FORMED STEEL FRAMING IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" (AISI S100) FOR DESIGN CRITERIA AND CONDITIONS INDICATED. SUBMIT SHOP DRAWINGS AND CALCULATIONS SEALED BY A REGISTERED PROFESSIONAL ENGINEER FOR THE DESIGN OF COLD-FORMED STEEL FRAMING AND CONNECTIONS, INCLUDING DESIGN LOADINGS AND REACTIONS APPLIED TO THE SUPPORTING STRUCTURE.
2. DETAIL MEMBERS AND CONNECTIONS FOR ALL FRAMING CONDITIONS, INCLUDING WALLS, CORNERS, HEADERS, AND JAMBS. SOME CONDITIONS MAY REQUIRE MODIFICATION OF COLD-FORMED FRAMING MEMBERS (SUCH AS NOTCHING OR REVISING SIZES) OR MULTIPLE STUDS TO SUPPORT INCREASED LOADS. CONTRACTOR COORDINATE ALL CONDITIONS, CONNECTIONS, AND DETAILS.
3. FABRICATION AND INS

SPECIAL INSPECTIONS AND TESTS (IBC CHAPTER 17)

1. THE STATEMENT OF SPECIAL INSPECTIONS OUTLINED IN THIS SECTION, AS SPECIFIED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE, REQUIRES THAT THE OWNER OR OWNER'S AUTHORIZED AGENT, OTHER THAN THE CONTRACTOR, EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL INSPECTIONS AND TESTS LISTED IN THE TABLES ON THIS SHEET DURING CONSTRUCTION AND FABRICATION. THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL THAT ARE IDENTIFIED IN SECTION 110 OF THE IBC.
   A. THE CONTRACTOR IS PERMITTED TO EMPLOY THE APPROVED SPECIAL INSPECTION AGENCY WHERE THE CONTRACTOR IS ALSO THE OWNER.
2. THE SPECIAL INSPECTION AGENCIES SHALL KEEP RECORDS OF SPECIAL INSPECTIONS AND TESTS. THE AGENCY SHALL SUBMIT REPORTS OF INSPECTIONS AND TESTS PERFORMED TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED/TESTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF WORK.
   A. DISCREPANCIES CORRECTED IN THE FIELD SHALL BE FOLLOWED WITH ANOTHER FIELD REPORT OR AN AMENDMENT TO THE EXISTING FIELD REPORT INDICATING THAT COMPLIANCE OF THE CORRECTED ITEM HAS BEEN OBTAINED.
3. FIELD REPORTS FOR SPECIAL INSPECTIONS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AT AN INTERVAL NOT EXCEEDING TWO WEEKS, UNLESS ANOTHER INTERVAL IS AGREED UPON BETWEEN THE SPECIAL INSPECTION AGENCY AND THE REGISTERED DESIGN PROFESSION IN RESPONSIBLE CHARGE.
4. THE SPECIAL INSPECTION AGENCIES SHALL PROVIDE A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TESTS COMPLETED, AND CORRECTION/RE-INSPECTIONS OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS AND TESTS AT THE CONCLUSION OF THE PROJECT AND SUBMIT REPORT TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
5. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND FORCE- OR SEISMIC FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR A WIND- OR SEISMIC FORCE-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY IN ACCORDANCE WITH THE REQUIREMENTS LISTED IN SECTION 1704.4 OF THE IBC TO THE BUILDING OFFICIAL, OWNER, OR OWNER'S AUTHORIZED AGENT PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
6. ALL STRUCTURAL COMPONENTS AND STRUCTURAL SYSTEMS SHALL BE TESTED AND/OR INSPECTED ACCORDING TO THE APPROPRIATE CODE SPECIFICATIONS LISTED IN THE TABLES ON THIS SHEET.
7. SPECIAL INSPECTIONS INDICATED AS 'CONTINUOUS' SHALL REQUIRE FULL-TIME OBSERVATIONS OF WORK BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. SPECIAL INSPECTIONS INDICATED AS 'PERIODIC' SHALL REQUIRE INTERMITTENT OBSERVATIONS OF WORK BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THAT PORTION OF WORK HAS BEEN COMPLETED.
8. SUBMITTALS TO THE BUILDING OFFICIAL: IN ADDITION TO THE FIELD REPORTS FOR SPECIAL INSPECTIONS, REPORTS AND CERTIFICATES SHALL BE SUBMITTED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT TO THE BUILDING OFFICIAL FOR EACH OF THE FOLLOWING:
   A. CERTIFICATES OF COMPLIANCE FOR THE FABRICATION OF STRUCTURAL, LOAD-BEARING, OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES ON THE PREMISES OF AN APPROVED FABRICATOR IN ACCORDANCE WITH SECTION 1704.2.5.1
   B. CERTIFICATES OF COMPLIANCE FOR THE SEISMIC QUALIFICATION OF NONSTRUCTURAL COMPONENTS, SUPPORTS AND ATTACHMENTS IN ACCORDANCE WITH SECTION 1705.14.2
   C. CERTIFICATES OF COMPLIANCE FOR DESIGNATED SEISMIC SYSTEMS IN ACCORDANCE WITH SECTION 1705.14.3
   D. REPORTS OF PRECONSTRUCTION TESTS FOR SHOTCRETE IN ACCORDANCE WITH SECTION 1908.5
   E. CERTIFICATES OF COMPLIANCE FOR OPEN WEB STEEL JOISTS AND JOIST GIRDERS IN ACCORDANCE WITH SECTION 2207.5
   F. REPORTS OF MATERIAL PROPERTIES VERIFYING COMPLIANCE WITH THE REQUIREMENTS OF AWS D1.4 FOR WELDABILITY FOR REINFORCING BARS IN CONCRETE COMPLYING WITH A STANDARD OTHER THAN ASTM A706 THAT ARE TO BE WELDED
   G. REPORTS OF MILL TESTS FOR REINFORCING BARS COMPLYING WITH ASTM A615 THAT ARE USED TO RESIST EARTHQUAKE-INDUCED FLEXURAL OR AXIAL FORCES IN SPECIAL MOMENT FRAMES, SPECIAL STRUCTURAL WALLS, OR COUPLING BEAMS CONNECTING SPECIAL STRUCTURAL WALLS OF SEISMIC FORCE-RESISTING SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E, OR F.
9. STRUCTURAL OBSERVATIONS, IF REQUIRED, DURING CONSTRUCTION WILL NOT BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD, UNLESS SPECIFICALLY CONTRACTED BY THE CLIENT.

CHECK IF REQ'D	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCED STANDARD/NOTES	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	SOILS			GEOTECHNICAL REPORT	1705.6
X	1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X		
X	2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X		
X	3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X		
X	4. VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-		
X	5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X		

CHECK IF REQ'D	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCED STANDARD/NOTES	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	CONCRETE CONSTRUCTION			ACI 318	1705.3
X	1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318: CH. 20, 25.2, 25.3, 26.6.1 - 26.6.3	
X	2. REINFORCING BAR WELDING:			AWS 1.4, ACI 318: 26.6.4	
	A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	-	X		-
	B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"	-	X		
	C. INSPECT ALL OTHER WELDS	X	-		
X	3. INSPECT ANCHORS CAST IN CONCRETE	-	X	ACI 318: 26.7.2	-
X	4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS			NOTE b	
	A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-	ACI 318: 26.7.2 (e)	-
	B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A	-	X	ACI 318: 26.7.2	
X	5. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2
X	6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C 172, ASTM C 31, ACI 318: 26.5, 26.12	-
X	7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318: 26.5	1908.1
X	8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X	ACI 318: 26.5.3 - 26.5.5	-
	9. INSPECT PRESTRESSED CONCRETE FOR:				
	A. APPLICATION OF PRESTRESSING FORCES; AND	X	-	ACI 318: 26.10	-
	B. GROUTING OF BONDED PRESTRESSING TENDONS	X	-		-
	10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	-	X	ACI 318: 26.9	-
	11. FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR:				
	A. INSTALLATION OF THE EMBEDDED PARTS	X	-	ACI 318: 26.13.13, 550.5	-
	B. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS	X	-		-
	C. COMPLETION OF CONNECTIONS IN THE FIELD	X	-		-
	12. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5	-	X	ACI 318: 26.13.13	-
	13. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	-	X	ACI 318: 26.10.2	-
X	14. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	ACI 318: 26.11	-

NOTES:
1. WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.
2. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 26.7.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF WORK.

CHECK IF REQ'D	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCED STANDARD/NOTES	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	STEEL CONSTRUCTION				1705.2
X	1. FABRICATOR AND ERECTOR DOCUMENTS	-	-	AISC 360, N3	
X	2. MATERIAL VERIFICATION OF STRUCTURAL STEEL			AISC 360, A3, N5.2	
	A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X		
	B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS	-	X		
X	3. VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS.	-	X	AISC 360, N5.8	
X	4. STRUCTURAL STEEL WELDING				
	A. INSPECTION TASKS PRIOR TO WELDING	NOTE a	NOTE a	AISC 360, N5.4-1	
	B. INSPECTION TASKS DURING WELDING			AISC 360, N5.4-2	
	C. INSPECTION TASKS AFTER WELDING			AISC 360, N5.4-3	
X	5. STRUCTURAL STEEL BOLTING				
	A. INSPECTION TASKS PRIOR TO BOLTING	NOTE a	NOTE a	AISC 360, N5.6-1	
	B. INSPECTION TASKS DURING BOLTING			AISC 360, N5.6-2	
	C. INSPECTION TASKS AFTER BOLTING			AISC 360, N5.6-3	
	6. COMPOSITE CONSTRUCTION			AISC 360, N6	

NOTES:
1. PROVIDE OBSERVATION OR PERFORMANCE INSPECTION TASKS CONFORMING TO AISC 360 QUALITY ASSURANCE REQUIREMENTS FOR EACH TYPE OF WELDED OR BOLTED MEMBER OR JOINT APPLICABLE.

CHECK IF REQ'D	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCED STANDARD/NOTES	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE			NOTE a	1705.13
	STRUCTURAL STEEL IN THE SEISMIC FORCE-RESISTING SYSTEM				
	1. INSPECTION OF STRUCTURAL STEEL IN THE SEISMIC FORCE-RESISTING SYSTEM OF BUILDINGS/ STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E OR F IN ACCORDANCE WITH QUALITY ASSURANCE REQUIREMENTS OF AISC 341	-	-	AISC 341 NOTE b	1705.13.1.1
	2. INSPECTION OF STRUCTURAL STEEL ELEMENTS IN THE SEISMIC FORCE-RESISTING SYSTEM OF BUILDING/ STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E, OR F, OTHER THAN THOSE EXCLUDED IN SECTION 1705.13.1.1 INCLUDING STRUTS, COLLECTORS, CHORDS, AND FOUNDATION ELEMENTS IN ACCORDANCE WITH QUALITY ASSURANCE REQUIREMENTS OF AISC 341	-	-	AISC 341 NOTE c	1705.13.1.2
	STRUCTURAL WOOD			NOTE d	1705.13.2
	1. INSPECTION OF FIELD GLUING OPERATIONS OF ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F	X	-		
	2. INSPECTION OF NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F	-	X	NOTE e	
	COLD FORMED STEEL LIGHT-FRAME CONSTRUCTION			NOTE f	1705.13.3
	1. INSPECTION DURING WELDING OPERATIONS OF ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F	-	X		
	2. INSPECTION OF SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM OF STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F	-	X	NOTE g	
	ARCHITECTURAL COMPONENTS			NOTE h	1705.13.4
	1. INSPECTION OF ERECTION AND FASTENING OF EXTERIOR CLADDING, INTERIOR AND EXTERIOR VENEER FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F	-	X		
	DESIGNATED SEISMIC SYSTEMS				1705.13.5
	1. EXAMINE DESIGNATED SEISMIC SYSTEM REQUIRING SEISMIC QUALIFICATION AND VERIFY THAT THE LABEL, ANCHORAGE AND MOUNTING CONFORM TO CERTIFICATE OF COMPLIANCE FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F.				
	A. ACTIVE MECHANICAL AND ELECTRICAL EQUIPMENT THAT MUST REMAIN OPERABLE FOLLOWING THE DESIGN EARTHQUAKE MOTION	-	X	ASCE 7, 13.2.2	
	B. COMPONENTS WITH HAZARDOUS SUBSTANCES AND ASSIGNED A COMPONENTS IMPORTANCE FACTOR, Ip, OF 1.5 IN ACCORDANCE WITH ASCE 7 SECTION 13.1.3	-	X		
	C. CERTIFICATION OF COMPONENTS THROUGH ANALYSIS LIMITED TO NON ACTIVE COMPONENTS BASED ON SEISMIC DEMAND CONSIDERING RP/IP EQUAL TO 1.0	-	X		
	PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS				1705.13.6
	1. INSPECTION OF ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F	-	X		
	2. INSPECTION OF ANCHORAGE OF ELECTRICAL EQUIPMENT IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY E OR F	-	X		
	3. INSPECTION OF INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS OR DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIAL AND ANY ASSOCIATED MECHANICAL OR STORAGE EQUIPMENT IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F	-	X		
	4. INSPECTION OF MECHANICAL AND ELECTRICAL EQUIPMENT, INCLUDING DUCT WORK, PIPING SYSTEMS AND THEIR STRUCTURAL SUPPORTS, WHERE AUTOMATIC FIRE SPRINKLERS SYSTEM ARE INSTALLED IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F TO VERIFY ONE OF FOLLOWING: • MINIMUM CLEARANCE PROVIDED PER SECTION 13.2.3 ASCE 7 - UNLESS FLEXIBLE SPRINKLER HOSE FITTINGS ARE USED • NOMINAL CLEARANCES OF NOT LESS THAN 3 INCHES HAS BEEN PROVIDED BETWEEN FIRE PROTECTION SPRINKLER DROPS AND SPRIGS AND STRUCTURE/ OTHER EQUIPMENT - UNLESS FLEXIBLE SPRINKLER HOSE FITTINGS ARE USED	-	X		
	STORAGE RACK SYSTEMS				1705.13.7
	1. MATERIALS USED, TO VERIFY COMPLIANCE WITH ONE OR MORE OF THE MATERIAL TEST REPORTS IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS	-	X		
	2. FABRICATED STORAGE RACK ELEMENTS	-	X		1704.2.5
	3. STORAGE RACK ANCHORAGE INSTALLATION	-	X		
	4. COMPLETED STORAGE RACK SYSTEM, TO INDICATE COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS	-	X		

NOTES:
1. SPECIAL INSPECTIONS ARE NOT REQUIRED IF ONE OF THE FOLLOWING ARE MET:
   - THE STRUCTURE CONSIST OF LIGHT-FRAME CONSTRUCTION, THE DESIGN SPECIAL SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS}, DOES NOT EXCEED 0.5 AND THE BUILDING HEIGHT OF THE STRUCTURE DOES NOT EXCEED 35 FEET.
   - THE SEISMIC FORCE-RESISTING SYSTEM OF THE STRUCTURE CONSISTS OF REINFORCED MASONRY OR REINFORCED CONCRETE, THE DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS, S_{DS} DOES NOT EXCEED 0.5 AND THE BUILDING HEIGHT OF THE STRUCTURE DOES NOT EXCEED 25 FEET.
2. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR STRUCTURAL STEEL SEISMIC FORCE-RESTING SYSTEMS OF STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B OR C WHERE "STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS" HAS BEEN USED FOR DESIGN AND DETAILING.
3. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR STRUCTURAL STEEL ELEMENTS OF SEISMIC FORCE-RESISTING SYSTEM WITH A RESPONSE MODIFICATION COEFFICIENT, R OF 3 OR LESS FOR BUILDINGS ASSIGNED TO SEISMIC DESIGN CATEGORY B OR C.
4. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WOOD SHEAR WALLS, DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM WHERE THE FASTENERS SPACING OF SHEATHING ATTACHMENT IS MORE THAN 4 INCHED ON CENTER.
5. INCLUDES WOOD SHEAR WALLS, WOOD ROOF AND FLOOR DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLDOWNS
6. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR COLD-FORMED STEEL LIGHT-FRAME SHEAR WALL AND DIAPHRAGMS, INCLUDING SCREW INSTALLATION, BOLTING, ANCHORING AND OTHER FASTENING TO COMPONENTS OF THE SEISMIC FORCE-RESISTING SYSTEM WHERE EITHER THE SHEATHING IS GYPSUM BOARD OR FIBERBOARD OR THE SHEATHING IS WOOD STRUCTURAL PANEL OR SHEET STEEL ON ONLY ONE SIDE OF THE SHEAR WALL AND THE FASTENER SPACING IS MORE THAN 4 INCHES ON CENTER.
7. INCLUDES SHEAR WALLS, ROOF AND FLOOR DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLDOWNS
8. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR:
   - EXTERIOR CLADDING, INTERIOR/EXTERIOR NONBEARING WALLS, AND INTERIOR/EXTERIOR VENEER 30 FEET OR LESS ABOVE GRADE OR WALKING SURFACE;,
   - EXTERIOR CLADDING AND INTERIOR/EXTERIOR VENEER WEIGHING 5 PSF OR LESS;
   - INTERIOR NONBEARING WALLS WEIGHING 15 PSF OR LESS

CHECK IF REQ'D	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCED STANDARD/NOTES	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	FABRICATED ITEMS			NOTES a, b	1704.2.5 1705.11
X	1. INSPECTION DURING FABRICATION	-	X		
	A. STRUCTURAL	-	X		
	B. LOAD-BEARING	-	X		
	C. LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES	-	X		

NOTES:
a. SPECIAL INSPECTIONS FOR FABRICATED ITEMS ARE NOT REQUIRED IF THE FABRICATOR MEETS THE REQUIREMENTS FOR APPROVED FABRICATOR PER SECTION 1704.5.1
b. SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE THE FABRICATOR MAINTAINS APPROVED DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS. APPROVAL SHALL BE AT THE DISCRETION OF THE BUILDING OFFICIAL.

CHECK IF REQ'D	VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCED STANDARD/NOTES	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	COLD-FORMED STEEL DECK				1705.2.2
X	1. INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT				
	A. VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS.	X	-	SDI QA/QC 2017	
	B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	X	-		
X	2. INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT				
	A. VERIFY COMPLIANCE OF DECK AND ALL ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	X	-	SDI QA/QC 2017	
	B. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	X	-		
	C. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES.	X	-		
X	3. INSPECTION OR EXECUTION TASKS PRIOR TO WELDING				
	A. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE.	-	X	SDI QA/QC 2017	
	B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	-	X		
	C. MATERIAL IDENTIFICATION (TYPE/GRADE)	-	X		
	D. CHECK WELDING EQUIPMENT	-	X		
X	4. INSPECTION OR EXECUTION TASKS DURING WELDING				
	A. USE OF QUALIFIED WELDERS	-	X	SDI QA/QC 2017	
	B. CONTROL AND HANDLING OF WELDING CONSUMABLES	-	X		
	C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	-	X		
	D. WPS FOLLOWED	-	X		
X	5. INSPECTION OR EXECUTION TASKS AFTER WELDING				
	A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	X	-	SDI QA/QC 2017	
	B. WELDS MEET VISUAL ACCEPTANCE REQUIREMENTS	X	-		
	C. VERIFY REPAIR ACTIVITIES	X	-		
	D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	X	-		
X	6. INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING				
	A. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	-	X	SDI QA/QC 2017	
	B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	-	X		
	C. PROPER STORAGE FOR MECHANICAL FASTENERS	-	X		
X	7. INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING				
	A. FASTENERS ARE POSITIONED AS REQUIRED	-	X	SDI QA/QC 2017	
	B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	-	X		
X	8. INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING				
	A. VERIFY SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	X	-	SDI QA/QC 2017	
	B. VERIFY SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	X	-		
	C. VERIFY SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	X	-		
	D. VERIFY REPAIR ACTIVITIES	X	-		
	E. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	X	-		

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: MO8-306
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
TYLER JAMES HARRINGTON
NUMBER PE-2023008806
02/23/2026
PROFESSIONAL ENGINEER

DELTA	ISSUE	DESCRIPTION	DATE
1		ISSUED FOR PERMIT	02/25/2026

Galloway
5500 Greenwood Plaza Blvd., Suite 200
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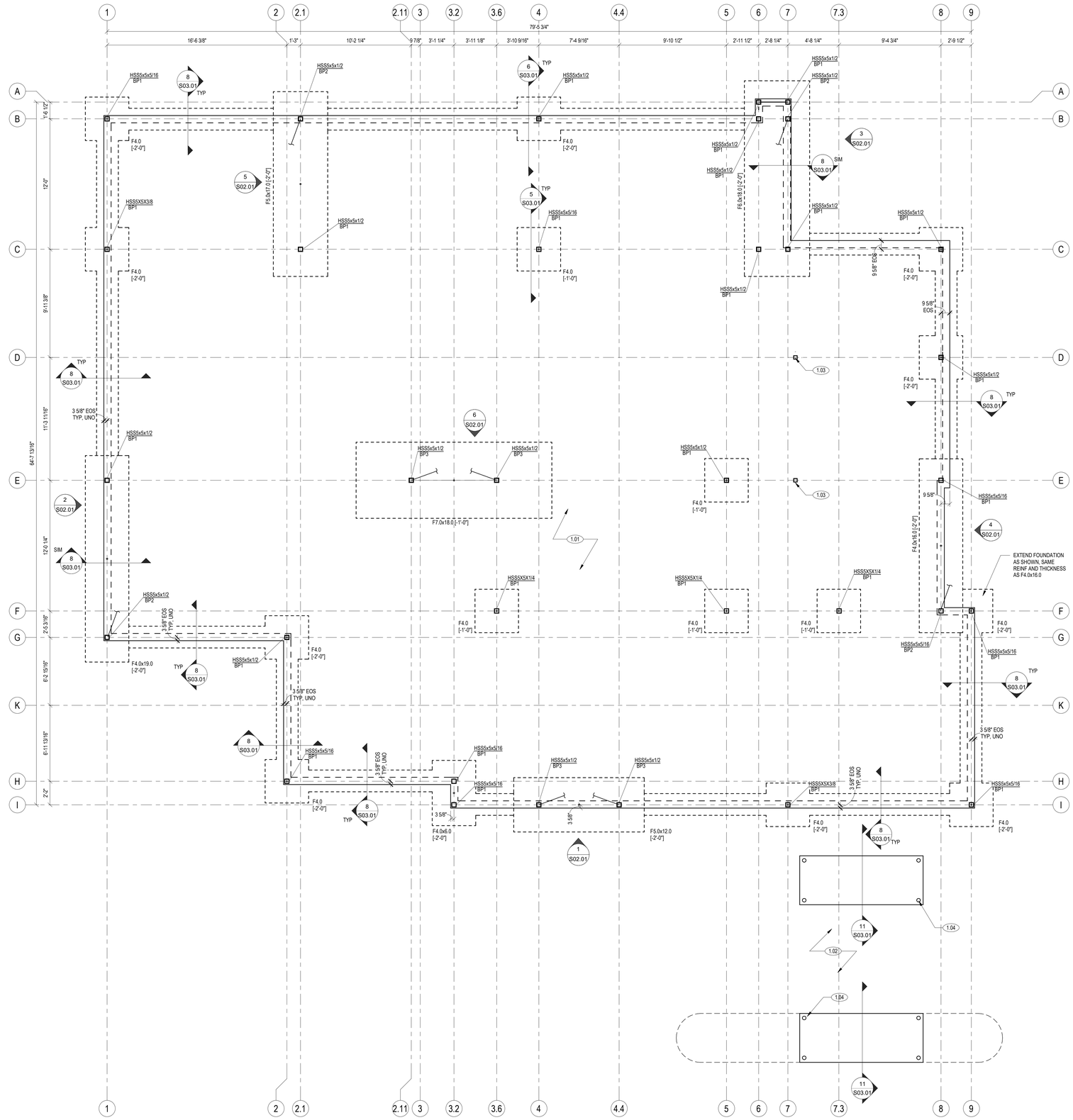
Owner Approval

MO8-306 — Job No.
3/4" = 1'-0" — Scale

SPECIAL INSPECTIONS

S00.02

2/25/2026 3:43:29 PM



FOUNDATION PLAN NOTES

1. TOP OF FOOTING ELEVATION (T/FTG) EXTERIOR = -2'-0", TYPICAL, UNO
   TOP OF FOOTING ELEVATION (T/FTG) INTERIOR = -1'-0", TYPICAL, UNO
2. T/SLAB ELEVATION IS +0'-0" FROM DATUM ELEVATION U.N.O. SEE CIVIL DRAWINGS FOR DATUM ELEVATION. ELEVATIONS FOR FOOTINGS, SLABS, STEEL, WALLS, FLOORS, ECT. ARE REFERENCED + OR – FROM THE DATUM ELEVATION (I.E. T/SLAB = +2'-6" OR T/WALL = -5'-3").
3. FOOTING STEPS ARE INDICATED ON PLAN AND ARE SHOWN IN RELATIVE LOCATIONS UNLESS NOTED OTHERWISE ON PLAN. SEE SHEET S03.00 "TYPICAL CONCRETE DETAILS" FOR FOOTING STEP AND SPACING REQUIREMENTS. TOP OF STRIP FOOTING ELEVATIONS MATCHES ADJACENT TOP OF SPREAD FOOTING ELEVATION U.N.O. (I.E. AT FOOTING STEPS).
4. SUPPORT REBAR AT 1" FROM TOP OF S.O.G. WITH SAND PLATES (CHAIRS WITH SHEET METAL PLATE BASES) OR OTHER ACCEPTABLE CHAIR DEVICES. BRICKS ARE NOT PERMITTED.
5. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND DRAWINGS OF OTHER DISCIPLINES FOR LOCATIONS AND DIMENSIONS OF OPENINGS, DEPRESSIONS, NON-STRUCTURAL WALLS, AND PANEL CLADDING SYSTEMS.
6. SEE SHEET S00.01 FOR "GENERAL NOTES" AND SHEET S03.00 FOR "TYPICAL CONCRETE DETAILS". TYPICAL DETAILS ARE GENERALLY NOT CUT ON PLANS BUT RATHER ARE INTENDED TO DEFINE TYPICAL CONSTRUCTION CONDITIONS. WHERE TYPICAL DETAILS ARE CUT ON PLAN, THE INTENT IS TO ILLUSTRATE THE TYPE OF CONDITION AT WHICH THAT DETAIL IS INTENDED TO APPLY RATHER THAN EVERY OCCURRENCE OF THAT DETAIL.
7. DO NOT SCALE DRAWINGS.

FOUNDATION PLAN LEGEND

(##)	DENOTES SHEET NOTE, REF SCHEDULE THIS SHEET
EOS	DENOTES EDGE OF SLAB DIMENSION
CJ	CJ INDICATES CONTROL JOINTS, SAW CUT OR STRIPPABLE, REF 13/S03.00 . WHERE CONTRACTOR DESIRES TO BREAK SLAB POURS ALONG THESE JOINTS, THE "CONSTRUCTION JOINT" DETAIL SHALL BE USED.
	DENOTES BRACE ABOVE, REF
BP#	DENOTES COLUMN BASE PLATE, REF SCHEDULE ON SHEET S03.01
F#x#	DENOTES FOOTING (F), REF SCHEDULE ON THIS SHEET

SHEET NOTE SCHEDULE - FOUNDATION PLAN (##)

REF PLANS AND DETAILS FOR SHEET NOTES REQUIRED, NOT ALL NOTES APPLICABLE TO THIS SHEET

MARK	DESCRIPTION
1.01	4" CONCRETE SLAB REINF WITH 6x6-W1.4xW1.4 WWR ON 4" GRANULAR BASE, REF ARCH FOR VAPOR BARRIER, REFER TO GEOTECHNICAL RECOMMENDATIONS FOR PAD
1.02	EXTERIOR PAVEMENT AND ATM CURBS, REF ARCH & CIVIL DWGS
1.03	OVERHEAD DOOR JAMB COLUMN, DESIGN AND ANCHORAGE BY SUPPLIER. REF ARCH DRAWINGS FOR LOCATIONS
1.04	BOLLARD AT SPREAD FOOTING, REF ARCH AND CIVIL. REF 10/S03.01 FOR ATTACHMENT TO FOOTING

FOUNDATION (F) SCHEDULE

MARK	WIDTH "W"	LENGTH "L"	THICKNESS "T"	REINFORCING BOTTOM BARS LONG	BOTTOM BARS SHORT	TOP BARS LONG	TOP BARS SHORT	REMARKS
F4.0	4'-0"	4'-0"	1'-0"	(5)#5	(5)#5	–	–	HOOKED EE
F4.0x6.0	4'-0"	6'-0"	1'-0"	#5@12	#5@12	#5@12	#5@12	
F4.0x16.0	4'-0"	16'-0"	1'-4"	#5@8	#5@8	#5@8	#5@8	
F4.0x19.0	4'-0"	19'-0"	1'-4"	#5@8	#5@10	#5@8	#5@10	
F5.0x12.0	5'-0"	12'-0"	1'-4"	#5@10	#5@10	#5@8	#5@10	
F5.0x17.0	5'-0"	17'-0"	1'-4"	#5@8	#5@10	#5@8	#5@10	
F6.0x18.0	6'-0"	18'-0"	1'-4"	#5@6	#5@10	#5@8	#5@10	
F7.0x18.0	7'-0"	18'-0"	1'-4"	#5@6	#5@10	#5@8	#5@10	

1 FOUNDATION PLAN
1/4" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: MO8-306
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
TYLER JAMES HARRINGTON
NUMBER PE-2023008806
02/23/2026
PROFESSIONAL ENGINEER

DELTA	ISSUE	DESCRIPTION	DATE
1		ISSUED FOR PERMIT	02/25/2026

Galloway
5500 Greenwood Plaza Blvd., Suite 200
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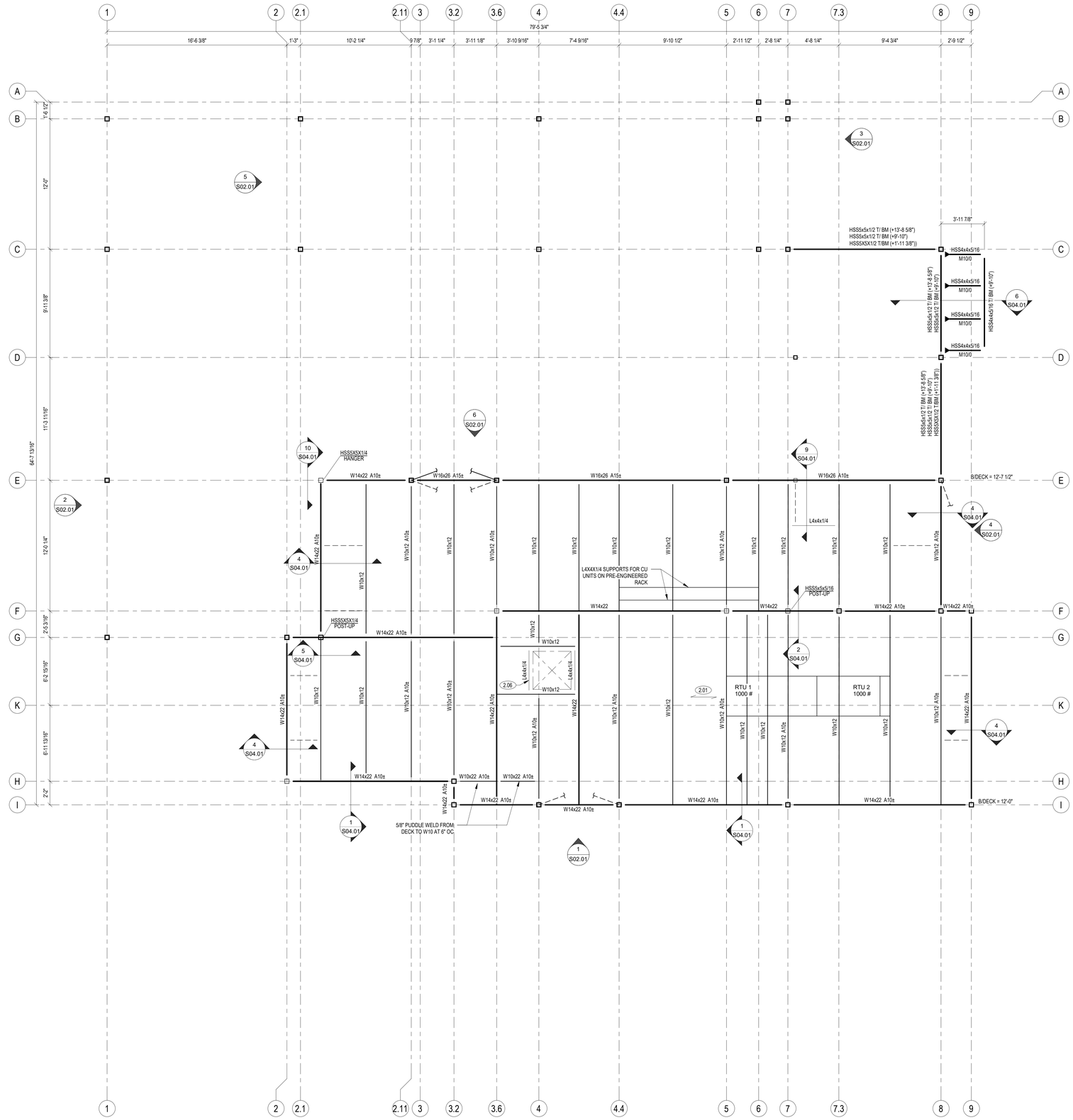
Owner Approval

MO8-306 — As indicated
Job No. — Scale

FOUNDATION PLAN

S01.01

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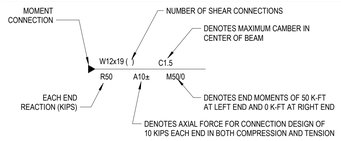
ROOF FRAMING PLAN NOTES

1. ALL ELEVATIONS REFERENCED FROM FFE (0'-0")
2. REF PLAN FOR BOTTOM OF DECK (BI DECK). COORD W/ ARCH.
3. CONTRACT DRAWINGS SHALL NOT BE USED FOR SHOP DRAWINGS
4. REF SHEET S00.01 FOR GENERAL NOTES
5. DO NOT SCALE DRAWINGS
6. CONTRACTOR SHALL NOTIFY ENGINEER IF MECHANICAL EQUIPMENT WEIGHT EXCEEDS THE WEIGHT INDICATED ON STRUCTURAL DRAWINGS
7. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON PLAN
8. VERIFY ALL OPENINGS WITH ARCHITECTURAL AND MEP DRAWINGS
9. STEEL BEAM CONNECTIONS SHALL BE DESIGNED BY A DELEGATED DESIGN ENGINEER HIRED BY THE STEEL SUPPLIER. ALL GIVEN LOADS ARE ULTIMATE LEVEL. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION
   A. ALL BEAM CONNECTIONS TO BE DESIGNED FOR END REACTION SHOWN ON PLAN OR MINIMUM OF 15 KIPS
   B. ALL HSS BEAM CONNECTIONS TO BE DESIGNED FOR END SHEAR CONNECTION IN GRAVITY AND OUT-OF-PLANE DIRECTIONS OF 10 KIPS
10. BEAMS/JOIST ARE EQUALLY SPACED ALONG SUPPORTING MEMBERS UNLESS INDICATED OTHERWISE ON PLAN OR IN SECTION.
11. HSS BEAMS ARE CONSIDERED LONG SIDE VERTICAL (LSV) UNLESS NOTED OTHERWISE)

ROOF FRAMING PLAN LEGEND

##	DENOTES SHEET NOTE, REF SCHEDULE THIS SHEET
	DENOTES DECK SPAN DIRECTION
EOD	DENOTES EDGE OF DECK DIMENSION (OUTSIDE EDGE OF BEAM UNO)
⊗	DENOTES ROOF DRAIN. REF ARCH FOR LOCATION. FRAME OPENINGS IN DECK, REF/S04.00
	DENOTES TYPICAL X-BRACING, REF.8/S04.00
	DENOTES TYPCIAL BOTTOM FLANGE BRACE UNO ON SECTIONS, REF11/S04.00
	DENOTES BRACE ABOVE, REFS02.01
	DENOTES BRACE BELOW, REFS02.01

BEAM LEGEND



SHEET NOTE SCHEDULE - FRAMING PLANS (##)

REF PLANS AND DETAILS FOR SHEET NOTES REQUIRED, NOT ALL NOTES APPLICABLE TO THIS SHEET

MARK	DESCRIPTION
2.01	1 1/2" TYPE B ROOF DECK, REF GENERAL NOTES
2.02	REF ARCH DWGS FOR GLASS PARTITION BELOW
2.03	REF 6/S04.00 FOR FRAMING AROUND ROOF TOP EQUIPMENT, TYPICAL
2.04	REF ARCH DWGS FOR ROLL UP DOOR BELOW
2.06	REF 7/S04.00 FOR FRAMING AROUND OPENINGS. TYPICAL

1 LOW ROOF AND CANOPY FRAMING PLAN

1/4" = 1'-0"

2025205.1A3.R.PM

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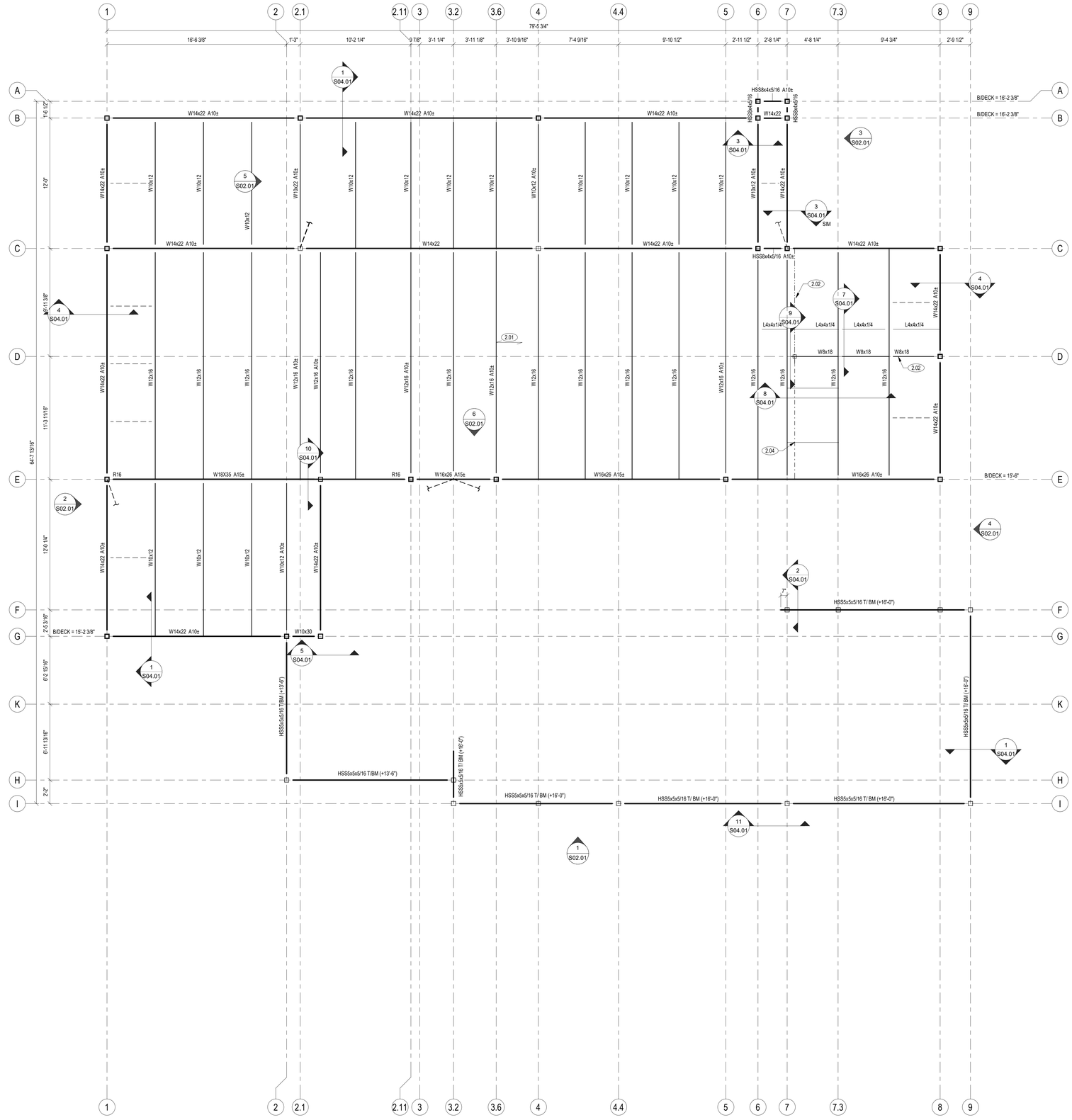
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LOW ROOF AND CANOPY FRAMING PLAN

S01.02



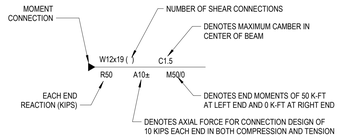
ROOF FRAMING PLAN NOTES

1. ALL ELEVATIONS REFERENCED FROM FFE (0'-0")
2. REF PLAN FOR BOTTOM OF DECK (B/ DECK). COORD W/ ARCH.
3. CONTRACT DRAWINGS SHALL NOT BE USED FOR SHOP DRAWINGS
4. REF SHEET S00.01 FOR GENERAL NOTES
5. DO NOT SCALE DRAWINGS
6. CONTRACTOR SHALL NOTIFY ENGINEER IF MECHANICAL EQUIPMENT WEIGHT EXCEEDS THE WEIGHT INDICATED ON STRUCTURAL DRAWINGS.
7. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON PLAN
8. VERIFY ALL OPENINGS WITH ARCHITECTURAL AND MEP DRAWINGS
9. STEEL BEAM CONNECTIONS SHALL BE DESIGNED BY A DELEGATED DESIGN ENGINEER HIRED BY THE STEEL SUPPLIER. ALL GIVEN LOADS ARE ULTIMATE LEVEL. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION
   A. ALL BEAM CONNECTIONS TO BE DESIGNED FOR END REACTION SHOWN ON PLAN OR MINIMUM OF 15 KIPS
   B. ALL HSS BEAM CONNECTIONS TO BE DESIGNED FOR END SHEAR CONNECTION IN GRAVITY AND OUT-OF-PLANE DIRECTIONS OF 10 KIPS
10. BEAMS/JOIST ARE EQUALLY SPACED ALONG SUPPORTING MEMBERS UNLESS INDICATED OTHERWISE ON PLAN OR IN SECTION.
11. HSS BEAMS ARE CONSIDERED LONG SIDE VERTICAL (LSV) UNLESS NOTED OTHERWISE)

ROOF FRAMING PLAN LEGEND

(##)	DENOTES SHEET NOTE, REF SCHEDULE THIS SHEET
	DENOTES DECK SPAN DIRECTION
EOD	DENOTES EDGE OF DECK DIMENSION (OUTSIDE EDGE OF BEAM UNO)
⊗	DENOTES ROOF DRAIN. REF ARCH FOR LOCATION. FRAME OPENINGS IN DECK, RE7/S04.00
	DENOTES TYPICAL X-BRACING, REF8/S04.00
	DENOTES TYPCIAL BOTTOM FLANGE BRACE UNO ON SECTIONS, RE11/S04.00
	DENOTES BRACE ABOVE, REFS02.01
	DENOTES BRACE BELOW, REFS02.01

BEAM LEGEND



SHEET NOTE SCHEDULE - FRAMING PLANS (##)

REF PLANS AND DETAILS FOR SHEET NOTES REQUIRED, NOT ALL NOTES APPLICABLE TO THIS SHEET

MARK	DESCRIPTION
2.01	1 1/2" TYPE B ROOF DECK, REF GENERAL NOTES
2.02	REF ARCH DWGS FOR GLASS PARTITION BELOW
2.03	REF 6/S04.00 FOR FRAMING AROUND ROOF TOP EQUIPMENT, TYPICAL
2.04	REF ARCH DWGS FOR ROLL UP DOOR BELOW
2.06	REF 7/S04.00 FOR FRAMING AROUND OPENINGS. TYPICAL

1 HIGH ROOF FRAMING PLAN

1/4" = 1'-0"

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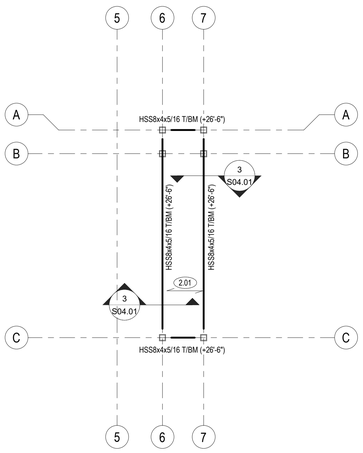
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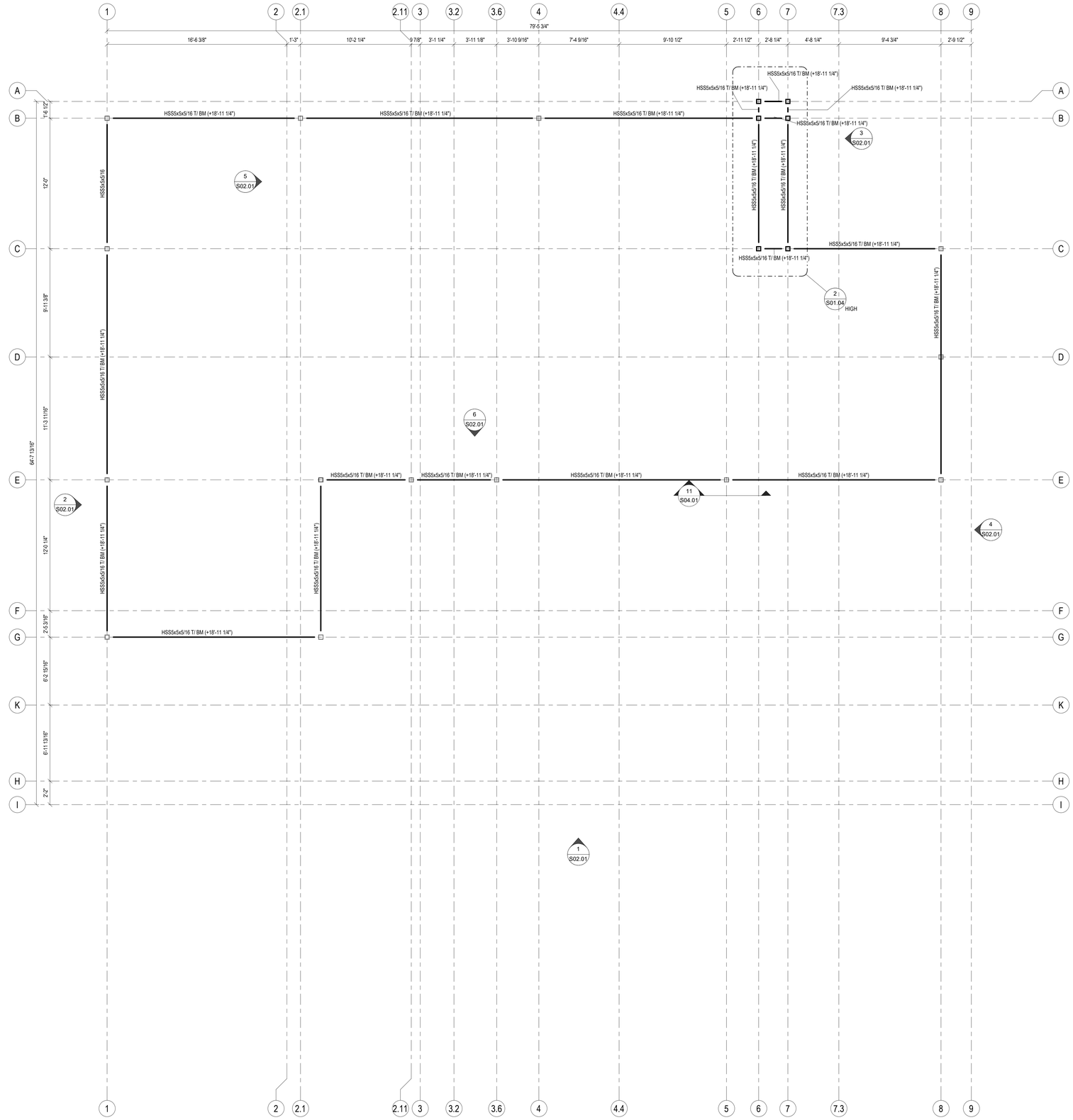
LOW PARAPET AND HIGH ROOF FRAMING PLAN

S01.03



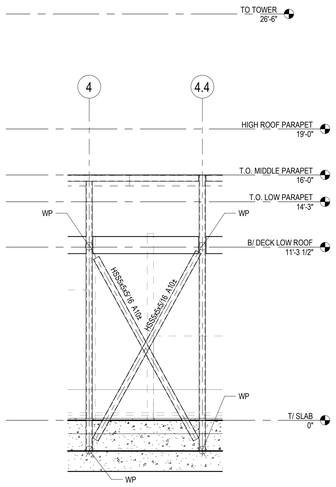
2 T/ TOWER FRAMING PLAN

1/4" = 1'-0"

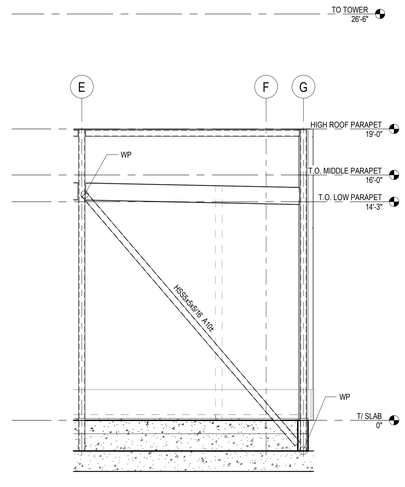

1
2
2.1
2.11
3
3.2
3.6
4
4.4
5
6
7
7.3
8
9
79'-5 3/4"
16'-6 3/8"
1'-3"
10'-2 1/4"
9 7/8"
3'-1 1/4"
3'-11 1/8"
3'-10 9/16"
7'-4 9/16"
9'-10 1/2"
2'-11 1/2"
2'-8 1/4"
4'-8 1/4"
9'-4 3/4"
2'-9 1/2"
A
B
C
D
E
F
G
K
H
I
1'-6 1/2"
12'-0"
9'-11 3/8"
11'-3 11/16"
64'-7 5/16"
12'-0 1/4"
2'-5 3/16"
6'-2 15/16"
6'-11 13/16"
2'-2"
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/BM (+18'-11 1/4")
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HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/ BM (+18'-11 1/4")
HSS5x5x5/16 T/

BRACE DETAILS NOTES:

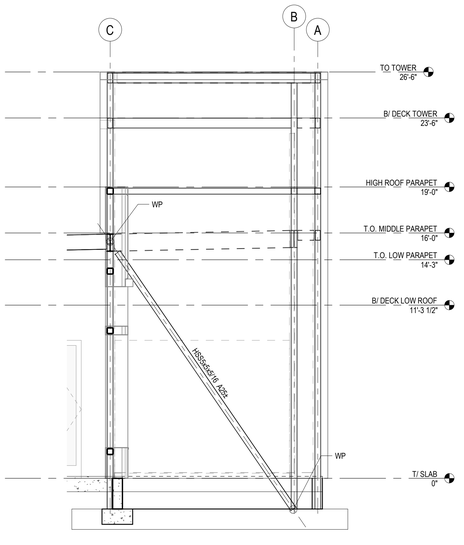
1. FORCES SHOWN ON BRACE ELEVATIONS ARE FACTORED LOADS. REVERSIBLE AND SHALL BE USED TO DESIGN CONNECTIONS -NO ALLOWABLE STRESS INCREASE IS PERMITTED. UNITS ARE KIPS.
2. THE CONNECTION DESIGN SHALL BE DONE IN ACCORDANCE TO AISC LRFD.
3. THE CONNECTIONS SHALL BE DESIGNED USING THE UNIFORM FORCE METHOD EXCEPT FOR CONNECTIONS AT WHICH THE UNIFORM FORCE METHOD IS INAPPLICABLE.
4. SIGNED AND SEALED CALCULATIONS SHALL BE PROVIDED TO THE E.O.R. BY AN ENGINEER LICENSED TO PRACTICE IN THE STATE THE PROJECT IS LOCATED IN. IF REQUIRED, DESIGN OF BRACE CONNECTIONS COULD BE COMPLETED BY THE E.O.R. AS AN EXTRA SERVICE.
5. CONNECTION GEOMETRY SHALL NOT INDUCE MOMENTS IN THE BEAM OR COLUMN.
6. INTERMEDIATE BEAMS NOT SHOWN FOR CLARITY.
7. ALL BOLTS USED IN BRACED FRAME CONNECTIONS SHALL BE DESIGNED AS SLIP CRITICAL.



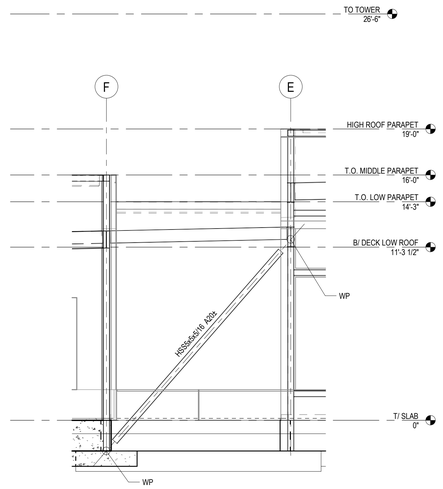
1 BRACE FRAME ALONG GRID I
1/4" = 1'-0"



2 BRACE FRAME ALONG GRID 1
1/4" = 1'-0"



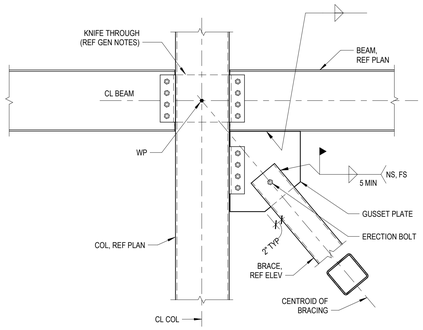
3 BRACE FRAME ALONG GRID 7
1/4" = 1'-0"



4 BRACE FRAME ALONG GRID 8
1/4" = 1'-0"

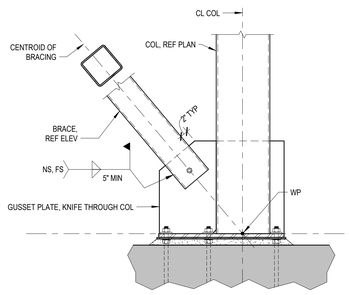
5 BRACE FRAME ALONG GRID 2
1/4" = 1'-0"

6 BRACE FRAME ALONG GRID E
1/4" = 1'-0"



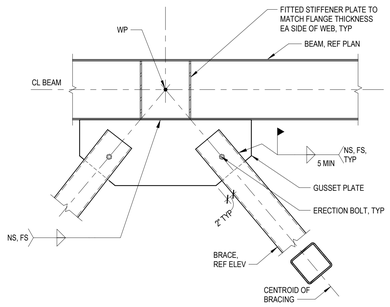
HSS COLUMN, WELDED

7 TYP FRAME CONNECTION - HSS BRACE
NTS



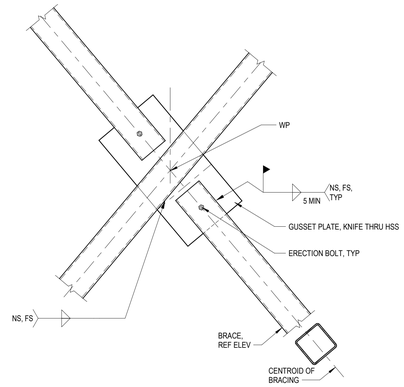
HSS COLUMN, WELDED

8 TYP FRAME CONNECTION - HSS BRACE
NTS



HSS BRACE, WIDE FLANGE BEAM MIDDLE, BOLTED TOP

9 TYP FRAME CONNECTION - HSS BRACE
NTS



HSS BRACE, X-BRACE, CENTER

10 TYP FRAME CONNECTION - HSS BRACE
3/4" = 1'-0"

2/25/2026 3:45:37 PM

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: MO8-306
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
TYLER JAMES HARRINGTON
NUMBER PE-2023008806
02/23/2026
PROFESSIONAL ENGINEER

DELTA	ISSUE	DESCRIPTION	DATE
1		ISSUED FOR PERMIT	02/25/2026

Galloway
5500 Greenwood Plaza Blvd., Suite 200
Greenwood Village, CO 80111
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GallowayUS.com

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Owner Approval

MO8-306 — As indicated
Job No. — Scale

BRACED FRAME DETAILS AND ELEVATIONS

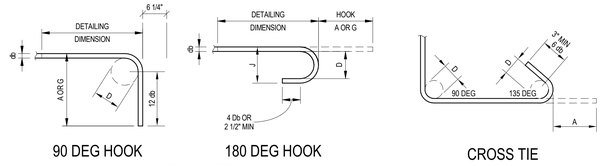
S02.01

RECOMMENDED END HOOKS					HOOK MIN DEVELOPMENT LENGTHS (IN)		
BAR SIZE	FINISHED BEND DIAMETER D (IN)	180 DEG HOOKS		90 DEG HOOKS	NORMAL WT CONCRETE		
		A OR G (IN)	J (IN)	A OR G (IN)	3000	4000	5000
#3	2 1/4	5	3	6	9	8	7
#4	3	6	4	8	11	10	9
#5	3 3/4	7	5	10	14	12	11
#6	4 1/2	8	6	12	17	15	13
#7	5 1/4	10	7	14	20	17	15
#8	6	11	8	16	22	19	17
#9	9 1/2	15	11 3/4	19	25	22	20
#10	10 3/4	17	13 1/4	22	28	25	22
#11	12	19	14 3/4	24	31	27	24

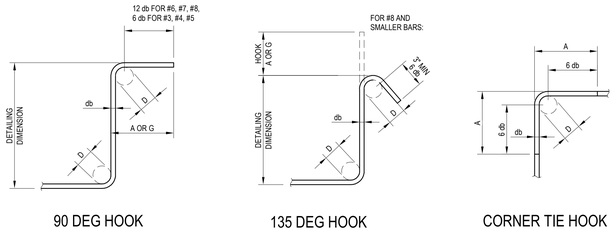
D = INSIDE BEND OF DIAMETER
1. HOOK EMBEDMENT LENGTHS IN TABLE SHALL BE FACTORED FOR THE FOLLOWING CONDITIONS:
   - LIGHTWEIGHT CONCRETE: 1.3 x TABLE LENGTH
   - EPOXY COATED BARS: 1.2 x TABLE LENGTH

STIRRUP AND TIE HOOK SCHEDULE			
BAR SIZE	D (IN)	90 DEG HOOK A OR G (IN)	135 DEG HOOK A OR G (IN)
#3	1 1/2	4	4
#4	2	4 1/2	4 1/2
#5	2 1/2	6	5 1/2

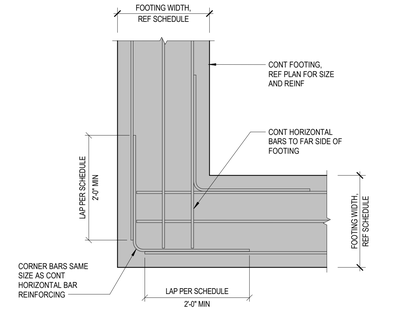
D = INSIDE BEND OF DIAMETER



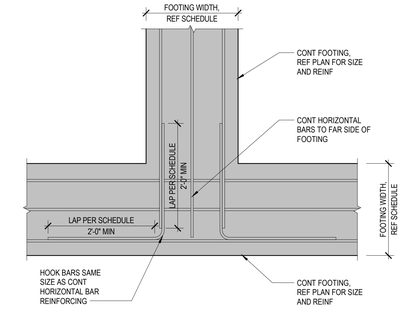
END HOOK TYPES



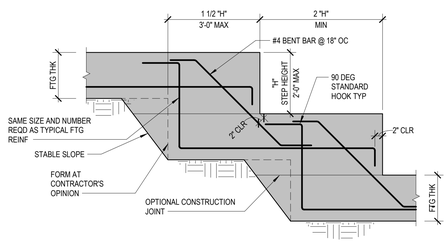
1 STIRRUP AND TIE HOOK TYPES DETAIL
NTS



3 TYPICAL FOOTING CORNER REINFORCING DETAIL
NTS

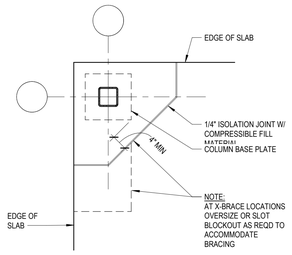


4 TYPICAL FOOTING INTERSECTION REINFORCING INTERSECTION
NTS

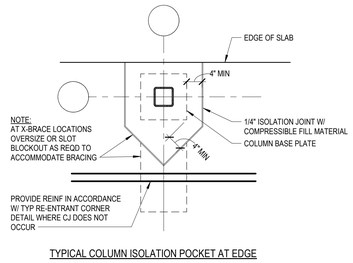


NOTE:
GC TO COORDINATE FINAL TOP OF FOOTING ELEVATIONS WITH THE ARCHITECTURAL ELEVATIONS, MEP DRAWINGS, AND CIVIL GRADING PLANS PRIOR TO PLACEMENT OF CONCRETE. FOOTING STEPS DENOTED ON PLAN ARE APPROXIMATE, UNLESS NOTED OTHERWISE, AND SHALL BE FIELD COORDINATED.

6 STEPPED FOOTING DETAIL
NTS

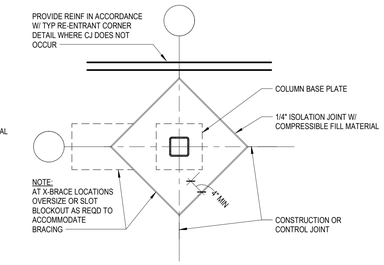


TYPICAL COLUMN ISOLATION POCKET AT CORNER



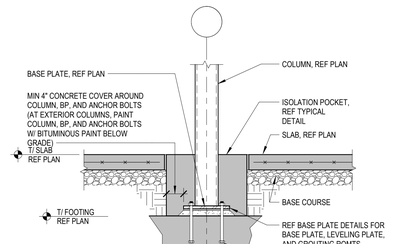
TYPICAL COLUMN ISOLATION POCKET AT EDGE

NOTE:
ALTERNATE ISOLATION DETAILS SHALL BE SUBMITTED TO THE EOR FOR WRITTEN APPROVAL



TYPICAL COLUMN ISOLATION POCKET AT INTERIOR

7 TYPICAL ISOLATION POCKET AT STEEL COLUMN
NTS

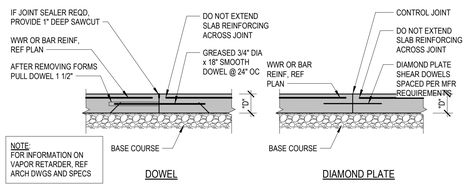


9 TYPICAL STEEL COLUMN ISOLATION POCKET SECTION
NTS

REINFORCING BAR LAP LENGTH SCHEDULE (CLASS B)			
GRADE 60 STEEL			
NORMAL WEIGHT CONCRETE STRENGTH			
BAR	3000 PSI	4000 PSI	5000 PSI
#3	21"	18"	17"
#4	28"	25"	22"
#5	36"	31"	28"
#6	43"	37"	33"
#7	62"	54"	48"
#8	71"	62"	55"
#9	80"	70"	62"
#10	90"	78"	70"
#11	100"	87"	78"

LAP SCHEDULE NOTES:
1. LENGTH SHOWN CONFORM TO NON-SEISMIC PROVISIONS OF ACI 318 FOR UNCOATED BARS ENCLOSED BY PROPERLY SPACED TIES OR STIRRUPS
2. LENGTH IN TABLE SHALL BE FACTORED FOR THE FOLLOWING CONDITIONS
   - HORIZONTAL BARS MORE THAN 12" ABOVE BOTTOM OF CAST MEMBER: 1.3xTABLE LENGTH
   - LIGHT WEIGHT CONCRETE: 1.3xTABLE LENGTH
   - BAR CLEAR SPACING SHALL BE NO LESS THAN ONE BAR DIAMETER AND/OR BAR CLEAR COVER LESS THAN ONE BAR DIAMETER: 1.5xTABLE LENGTH
   - WHERE MORE THAN ONE CONDITION APPLIES, ALL APPLICABLE FACTORS SHALL BE APPLIED TO LENGTH INDICATED IN TABLE
3. THIS TABLE SHALL APPLY UNLESS SPECIFICALLY NOTED, DETAILED OR SCHEDULED OTHERWISE
4. UNLESS NOTED OTHERWISE ALL REINFORCING BARS SHALL LAP AROUND CORNERS

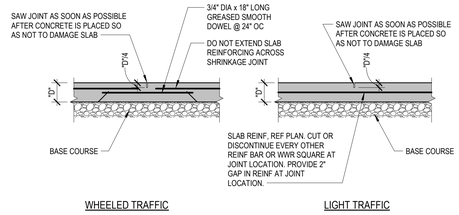
11 REINF BAR LAP LENGTH SCHEDULE
NTS



DOWEL DIAMOND PLATE

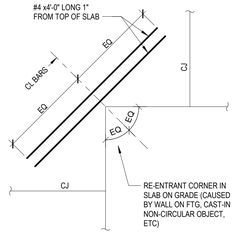
12 TYPICAL CONSTRUCTION JOINT
NTS

NOTES:
- FOR INFORMATION ON VAPOR RETARDER, REF ARCH DWGS AND SPECS.
- IF NOT INDICATED ELSEWHERE, PROVIDE SAWCUT CONTROL JOINTS @ 12'-0" OC MAX AT 4" SLABS, 15'-0" MAX AT 5" SLABS, 18'-0" MAX AT 6" SLABS.
- SLAB UNITS CREATED BY JOINT LAYOUTS SHALL BE AS SQUARE AS POSSIBLE AND WITH A MAXIMUM ASPECT RATIO OF 1.25 TO 1. IN ADDITION, CONTROL JOINTS SHALL BE LOCATED AT THE CORNERS OF ALL ISOLATION POCKETS.



WHEELED TRAFFIC LIGHT TRAFFIC

13 TYPICAL SAWCUT CONTROL JOINT
NTS



14 TYPICAL PLAN DETAIL AT RE-ENTRANT CORNER
NTS

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: MO8-306
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
TYLER JAMES HARRINGTON
NUMBER PE-2023008806
02/23/2026
PROFESSIONAL ENGINEER

DELTA	ISSUE	DESCRIPTION	DATE
1		ISSUED FOR PERMIT	02/25/2026

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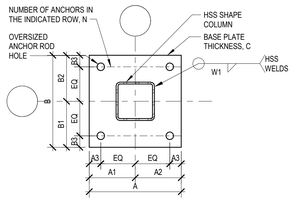
Owner Approval

MO8-306 — Job No.
3/4" = 1'-0" — Scale

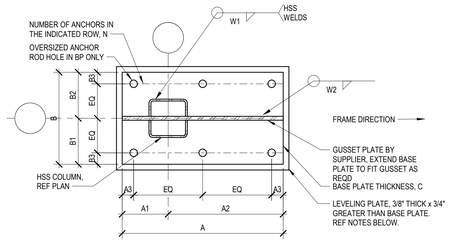
TYPICAL CONCRETE DETAILS

S03.00

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GRAVITY COLUMN BP - TYPE 'G'



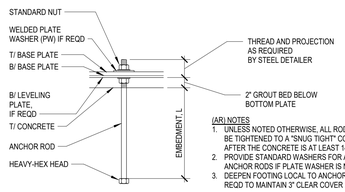
BRACED FRAME COLUMN BP W/ LEVELING PLATE - TYPE 'L'
(REF DETAIL 4/S03.01 FOR ADDITIONAL INFORMATION)

BASE PLATE (BP) SCHEDULE

MARK	BP TYPE	PLATE SIZE (IN)			PLATE AND HOLE LOCATION (IN)						WELD W1	WELD W2	ANCHOR RODS		REMARKS
		A	B	C	A1	A2	A3	B1	B2	B3			AR TYPE	N	
BP1	G	12	12	3/4	EQ	EQ	1 1/2	EQ	EQ	1 1/2	5/16	NA	(4) AR1	2	
BP2	L	22	14	1	6	16	2	EQ	EQ	2	5/16	1/4	(6) AR2	3	
BP3	L	22	14	1	6	16	2	EQ	EQ	2	5/16	1/4	(6) AR2	3	

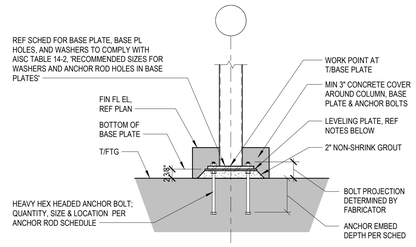
ANCHOR ROD (AR) SCHEDULE

MARK	DESCRIPTION	EMBEDMENT (L)	REMARKS
AR1	3/4" DIA F1554 GR36	9"	PL1/4X2 WASHERS
AR2	1 1/4" DIA F1554 GR55S1	12"	PL1/2X3 1/2 WASHERS

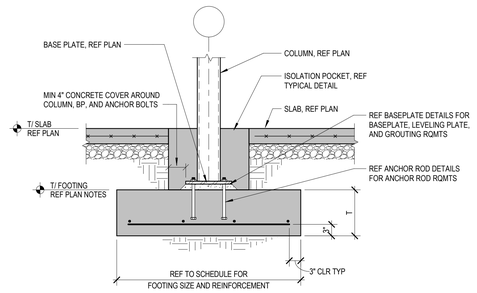


ANCHOR ROD (AR) DETAIL

(AR) NOTES
1. UNLESS NOTED OTHERWISE, ALL RODS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AFTER THE CONCRETE IS AT LEAST 14 DAYS OLD
2. PROVIDE STANDARD WASHERS FOR ALL ANCHOR RODS IF PLATE WASHER IS NOT REQD
3. DEEPEN FOOTING LOCAL TO ANCHOR ROD AS REQD TO MAINTAIN 3" CLEAR COVER

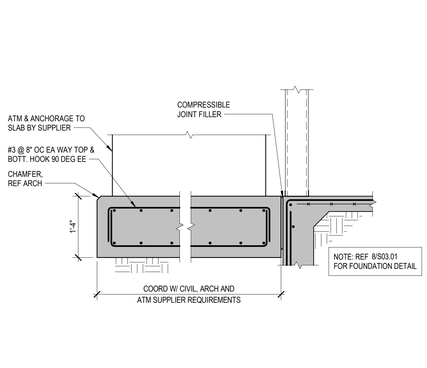


LEVELING PLATE NOTES:
1. PROVIDE STANDARD SIZE HOLES IN LEVELING PLATE-BOLT DIA +1/16" - OVERSIZE HOLES ARE PERMITTED IN BASE PLATE ONLY.
2. SNUG TIGHT ANCHOR BOLT NUTS AGAINST EACH SIDE OF LEVELING PLATE AND USE PLATE AS ANCHOR BOLT TEMPLATE. DO NOT USE PLYWOOD TEMPLATE.
3. BEFORE GROUTING SET LEVELING PLATE TO PROPER ELEVATION AND LEVEL USING SNUGTIGHT LEVELING NUTS.
4. GROUT LEVELING PLATE AND ALLOW MIN 24 HOURS CURING TIME PRIOR TO STEEL ERECTION.
5. LEVELING PLATES ARE REQUIRED AT ALL BRACED FRAME AND MOMENT FRAME COLUMNS. THIS REQUIREMENT WILL NOT BE WAIVED AND THE PROCEDURE OUTLINED SHALL BE FOLLOWED PROPERLY OR PLATES WILL BE REQUIRED TO BE REMOVED AND RE-GROUTED.
6. LEVELING PLATES ARE CRITICAL TO PERFORMANCE OF BUILDING LATERAL SYSTEM.

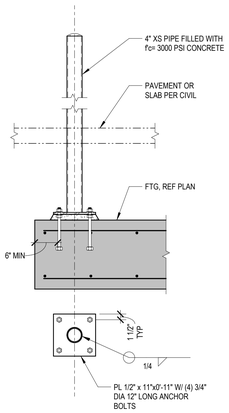


1 BASE PLATE DETAILS
NTS

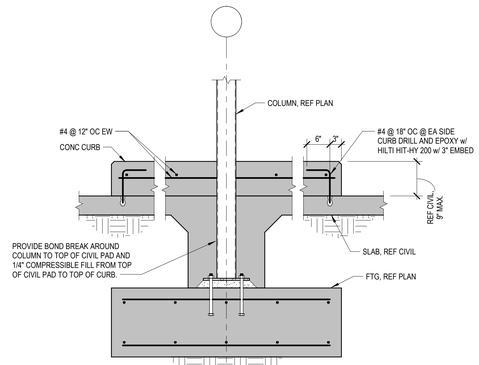
4 TYPE L COLUMN BASE
NTS



5 COLUMN ISOLATED JOINT
NTS



6 COLUMN ON ISOLATED FOOTING AT WALL
NTS

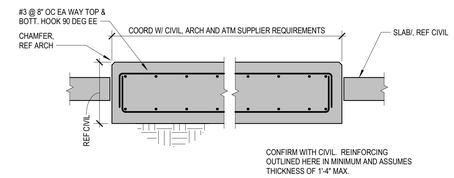


7 COLUMN AND CURB AT DRIVE THRU
NTS

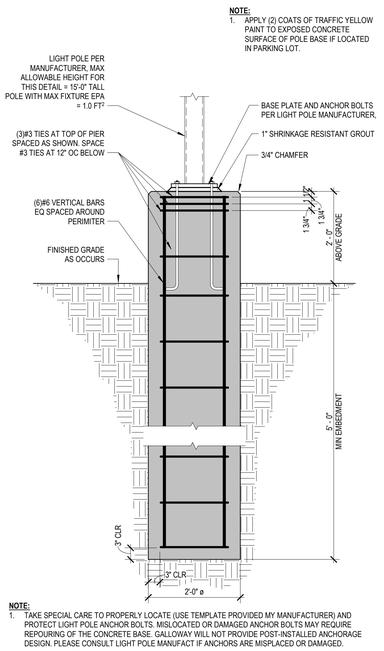
8 FOUNDATION SECTION
3/4" = 1'-0"

9 ATM PAD
NTS

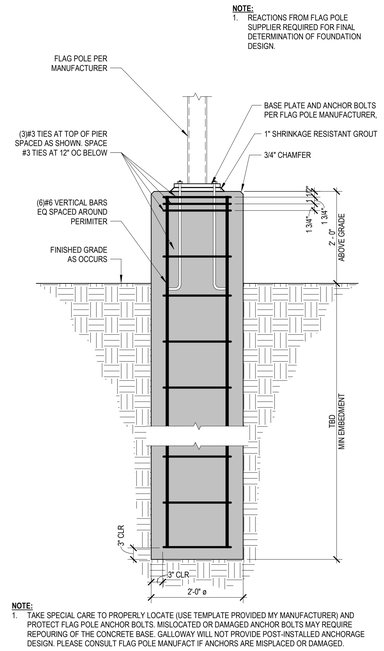
10 TYPICAL - DETERRENT BOLLARD AT SPREAD FOOTING
NTS



11 ATM AT DRIVE THRU CURB
NTS



12 LIGHT POLE FOUNDATION DETAIL
3/4" = 1'-0"



13 FLAG POLE FOUNDATION DETAIL
3/4" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: MO8-306
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
TYLER JAMES HARRINGTON
NUMBER PE-2023008806
02/23/2026
PROFESSIONAL ENGINEER

DELTA	ISSUE	DESCRIPTION	DATE
1		ISSUED FOR PERMIT	02/25/2026

Galloway
5500 Greenwood Plaza Blvd., Suite 200
Greenwood Village, CO 80111
303.770.8884
GallowayUS.com

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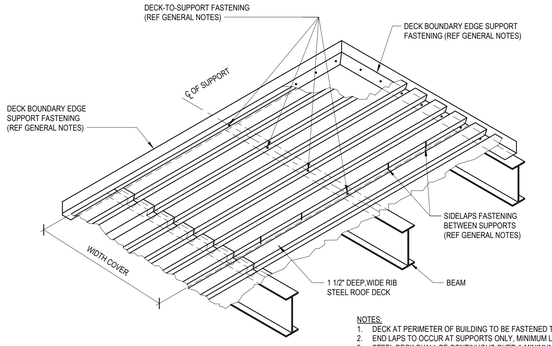
Owner Approval

MO8-306 — Job No.
As indicated — Scale

FOUNDATION SECTIONS AND DETAILS

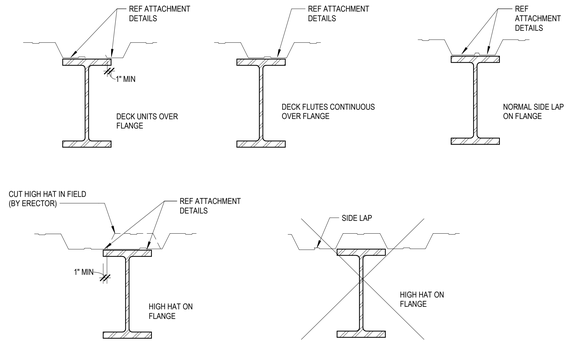
S03.01

2/27/2026 3:45:38 PM

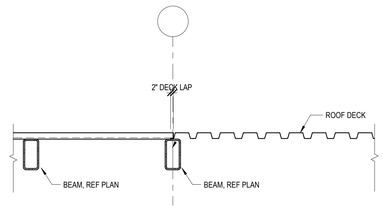


NOTES:
1. DECK AT PERIMETER OF BUILDING TO BE FASTENED TO BEAMS OR ANGLES, UNO
2. END LAPS TO OCCUR AT SUPPORTS ONLY. MINIMUM LAP = 2"
3. STEEL DECK SHALL BE CONTINUOUS OVER A MINIMUM OF 2 SPANS
4. BUTT WELD ALL SPLICES AT PERIMETER ANGLE

1 1 1/2" ROOF DECK FASTENING ISOMETRIC
NTS

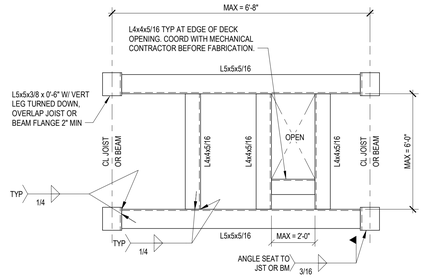


3 FLUTES AT BEAMS
NTS



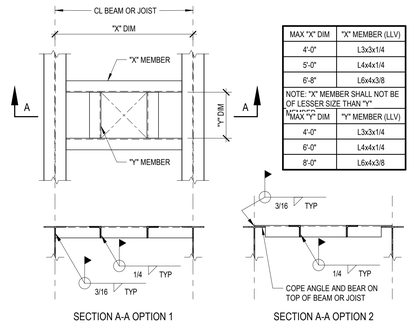
NOTES:
1. REFER TO ROOF DECK ATTACHMENTS DETAILS FOR DECK FASTENING REQUIREMENTS

4 TYPICAL STEEL AT CHANGE IN STEEL ROOF DECK
NTS



REF MECH DWGS FOR SIZE, NUMBER AND LOCATION OF ROOF TOP UNITS AND DECK OPENINGS. ALIGN FRAMING MEMBERS WITH ROOF TOP UNIT CURB.

TYP ROOF TOP EQUIPMENT DECK OPENING DETAIL (ANGLE)
6
NTS



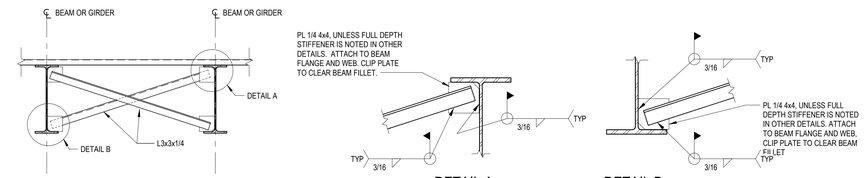
MAX "X" DIM	"X" MEMBER (LLV)
4'-0"	L3x3x1/4
5'-0"	L4x4x1/4
6'-8"	L6x4x3/8

NOTE: "X" MEMBER SHALL NOT BE OF LESSER SIZE THAN "Y"

MAX "Y" DIM	"Y" MEMBER (LLV)
4'-0"	L3x3x1/4
6'-0"	L4x4x1/4
8'-0"	L6x4x3/8

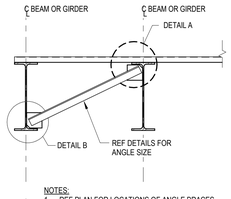
NOTES:
1. USE THIS DETAIL AT ROOF DECK ONLY, NOT COMPOSITE SLABS
2. FOR SIZE AND LOCATION OF REQUIRED ROOF OPENINGS VERIFY W/ MECHANICAL DWGS AND OR HVAC MANUFACTURER.

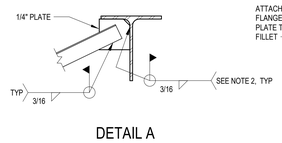
7 TYPICAL ROOF SUPPORT AT OPENINGS
NTS

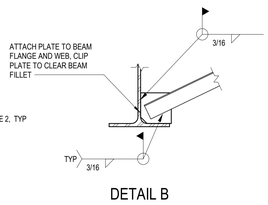


NOTES:
1. REF PLAN FOR LOCATIONS OF ANGLE BRACES

8 TYPICAL X-BRACING
NTS

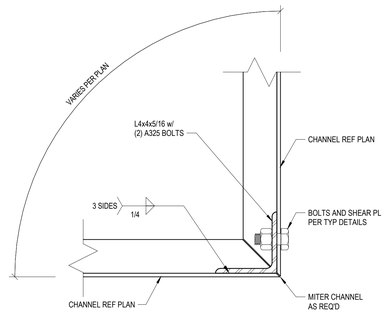






NOTES:
1. REF PLAN FOR LOCATIONS OF ANGLE BRACES
2. FIELD WELDING OF CONNECTION PLATES SHALL BE AT FABRICATOR'S OPTION
3. ALL BRACING SHALL BE IN PLACE AND WELDED BEFORE DECK INSTALLATION
4. REF GENERAL NOTES FOR DECK CONSTRUCTION
5. REF PLAN OR DETAILS FOR ANGLE SIZE. UNO ANGLE SHALL BE L2 1/2x2 1/2x1/4
6. PLATES SHALL BE PL 1/4x4"x4'-0" FOR ANGLE LEGS UP TO 3" WIDE. PLATES SHALL BE PL 1/4"x5"x0'-5" FOR ANGLE LEGS UP TO 4" WIDE

11 TYPICAL BOTTOM FLANGE BRACE
NTS



13 CORNER CANOPY CHANNEL CONN
NTS

BANK OF AMERICA

CHIPMAN

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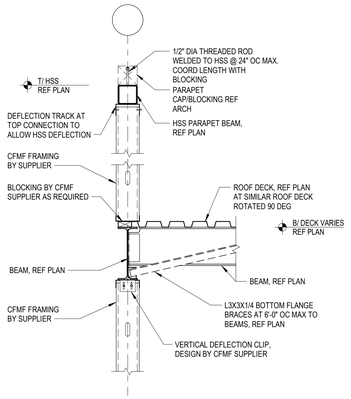
Owner Approval

MO8-306 — Job No.
As indicated — Scale

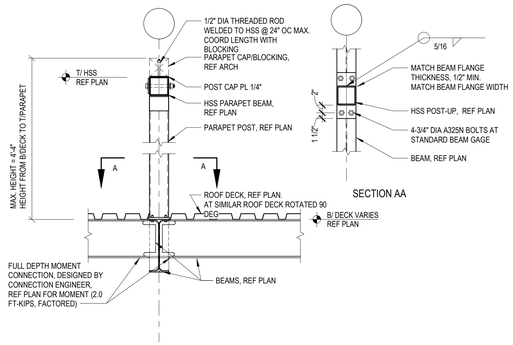
TYPICAL STEEL DETAILS

S04.00

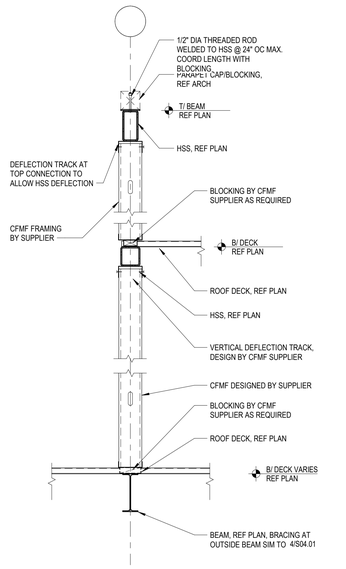
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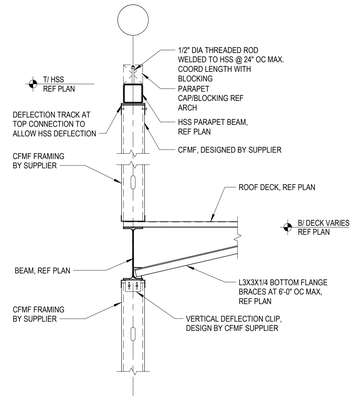
1 **SECTION**
3/4" = 1'-0"



2 **SECTION**
3/4" = 1'-0"



3 **SECTION**
3/4" = 1'-0"

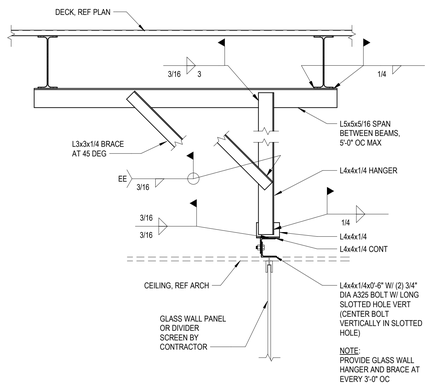


4 **SECTION**
3/4" = 1'-0"

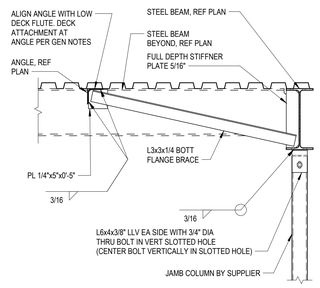
5 **SECTION**
3/4" = 1'-0"

6 **SECTION**
3/4" = 1'-0"

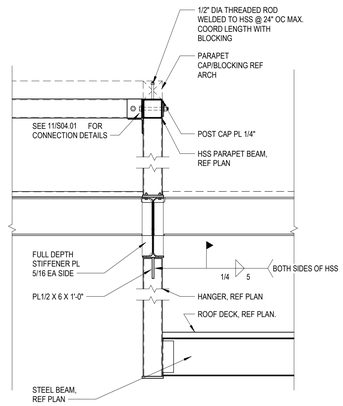
7 **SECTION**
3/4" = 1'-0"



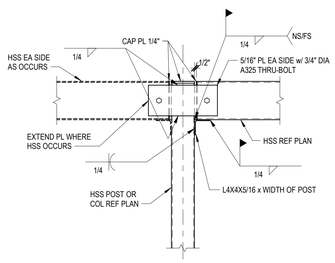
8 **SECTION**
3/4" = 1'-0"



9 **SECTION**
3/4" = 1'-0"



10 **SECTION**
3/4" = 1'-0"



11 **TYP HSS TO HSS CONN AT PARAPET**
3/4" = 1'-0"

2/25/2026 3:46:39 PM

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

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Owner Approval

MO8-306 3/4" = 1'-0"
Job No. Scale

ROOF FRAMING SECTIONS

S04.01

MECHANICAL SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED. V3.02

STANDARD MOUNTING HEIGHT

THERMOSTATS (USER ADJUSTABLE) (TOP OF DEVICE)	46"
CONTROLS (TOP OF DEVICE)	46"

INSTALL DEVICES AT THE MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ABOVE OR ELSEWHERE IN THE CONSTRUCTION DOCUMENTS ARE AFF OR AFG TO TOP OF THE DEVICE UNO. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

ANNOTATION

- 1 — MECHANICAL PLAN NOTE CALLOUT
- CU / 1 — MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)
- CONNECTION POINT OF NEW WORK TO EXISTING
- 1 / M1 — DETAIL REFERENCE. UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
- 1 / M1 — SECTION CUT DESIGNATION
- DEDICATED EQUIPMENT ACCESS TILE
- ACCESS PANEL

ABBREVIATIONS

A/C	AIR CONDITIONING
ACC	AIR COOLED CHILLER
ACCU	AIR COOLED CONDENSING UNIT
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
AWG	AMERICAN WIRE GAUGE
B	BOILER
BAS	BUILDING AUTOMATION SYSTEM
BB	BACKBONE
BD	BACKDRAFT DAMPER
BD	BLOWDOWN
BFC	BELOW FINISHED CEILING
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BFP	BOILER FEED PUMP
BHP	BRAKE HORSEPOWER
BI	BINARY INPUT
BO	BINARY OUTPUT
BOD	BOTTOM OF DUCT
BOS	BOTTOM OF STRUCTURE
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CLG	COOLING
CP	CONDENSATE PUMP
CPT	CONTROL POWER TRANSFORMER
CRAC	COMPUTER ROOM AIR CONDITIONING UNIT
CRU	COMPUTER ROOM UNIT
CT	COOLING TOWER
CV	CONTROL VALVE
CWP	CONDENSER WATER PUMP
CU	CONDENSING UNIT
CHWP	CHILLED WATER PUMP
DB	DECIBELS
DBA	DECIBEL AVERAGE
DDC	DIRECT DIGITAL CONTROL
DI	DIGITAL INPUT
DISC	DISCONNECT
DN	DOWN
DS	DUCT SILENCER
DX	DIRECT EXPANSION
(E)	EXISTING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ED	EXHAUST DUCT
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EFF	EFFICIENCY
EMS	ENERGY MANAGEMENT SYSTEM
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
FCU	FAN COIL UNIT
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FF	FINISHED FLOOR
FPI	FINS PER INCH
FPM	FEET PER MINUTE
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HTG	HEATING
HWP	HEATING WATER PUMP
IN WC	INCHES OF WATER COLUMN
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LP	LOW PRESSURE
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTU PER HOUR
MD	MOTORIZED DAMPER
MFR	MANUFACTURER
MIN	MINIMUM
N/A	NOT APPLICABLE
N/C	NORMALLY CLOSED
N/O	NORMALLY OPEN
NOM	NOMINAL
NC	NOISE CRITERIA
NF	NON-FUSED
NIC	NOT IN CONTRACT
OA	OUTSIDE AIR
PICV	PRESSURE INDEP. CONTROL VALVE
PROVIDE	FURNISH AND INSTALL
QTY	QUANTITY
RA	RETURN AIR
RC	ROOM CRITERIA
RD	RETURN DUCT
REA	RELIEF AIR
RF	RETURN FAN
RFR	REFRIGERANT
RH	RELATIVE HUMIDITY
RH	ROOF HOOD
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SCP	STEAM CONDENSATE PUMP
SD	SMOKE DUCT DETECTOR
SD	SUPPLY DUCT
SF	SUPPLY FAN
SH	SENSIBLE HEAT CAPACITY
SOW	SCOPE OF WORK
SP	STATIC PRESSURE
ST	STEAM TRAP
STM	STEAM
TBD	TO BE DETERMINED
TC/C	TEMPERATURE CONTROLS CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
TF	TRANSFER FAN
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TH	TOTAL HEAT CAPACITY
TSP	TOTAL STATIC PRESSURE
TT	TEMPERATURE TRANSMITTAL
TYP	TYPICAL
U/F	UNDERFLOOR
U/G	UNDERGROUND
U/S	UNDERSLAB
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
VRV	VARIABLE REFRIGERANT VOLUME
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
XP	EXPLOSION PROOF

HVAC DUCTWORK AND ACCESSORIES

- DUCTWORK/EQUIPMENT TO BE REMOVED OR RELOCATED
- EXISTING DUCTWORK/EQUIPMENT TO REMAIN
- LINEAR SLOT DIFFUSER
- INSULATED FLEXIBLE DUCT (MAX. 5'-0" LONG)
- BRANCH DUCT WITH 45° RECTANGLE-ROUND BRANCH FITTING AND MANUAL VOLUME DAMPER
- ELBOW WITH TURNING VANES
- BRANCH DUCT WITH BELL-MOUTH FITTING & MANUAL VOLUME CONTROL DAMPER
- DUCT UP
- DUCT DOWN
- EA — EXHAUST AIR
- GEA — EXHAUST AIR - GREASE
- OA — OUTSIDE AIR
- REA — RELIEF AIR
- RA — RETURN AIR
- XEA — SPECIAL EXHAUST
- SA — SUPPLY AIR
- EQUIPMENT WITH FLEXIBLE DUCT CONNECTION
- 10" (NECK SIZE) CSD-1 (TYPE) 300 CFM (CFM OF SUPPLY DIFFUSER OR REGISTER)
- 24x24 (NECK SIZE) CEG-1 (TYPE) 800 CFM (CFM OF EXHAUST GRILLE)
- EQUIPMENT ACCESS TILE (IN ACT CEILINGS)
- ACCESS PANEL (IN GYPSUM)
- MANUAL VOLUME DAMPER
- SQUARE TO ROUND TRANSITION
- RD — DUCT MOUNTED SMOKE DETECTOR (SD=SUPPLY/RD=RETURN)
- XX" Ø — ROUND DUCT TAG INDICATING DIAMETER
- XX" x XX" — RECTANGULAR DUCT TAG INDICATING INTERNAL DUCT DIMENSIONS.
- XX" / XX" θ — FLAT OVAL DUCT TAG INDICATING INTERNAL DUCT DIMENSIONS
- # — RISER DESIGNATION
- FD — FIRE DAMPER
- FSD — FIRE SMOKE DAMPER
- SD — SMOKE DAMPER
- VD — VOLUME DAMPER
- MD — MOTORIZED DAMPER
- BD — BACKDRAFT DAMPER

ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE DIMENSIONS. REFER TO DUCTWORK SPECIFICATIONS FOR DUCTWORK INSULATION AND LINER INFORMATION.

HVAC CONTROL DEVICES

- H — HUMIDISTAT
- T — THERMOSTAT
- CO — CARBON MONOXIDE SENSOR
- CO2 — CARBON DIOXIDE SENSOR
- DP — DIFFERENTIAL PRESSURE SENSOR
- FS — FLOW SWITCH
- HS — HUMIDITY SENSOR
- PS — PULL STATION
- RT — REMOTE TESTING STATION WITH INDICATING LIGHT
- SP — STATIC PRESSURE
- TS — TEMPERATURE SENSOR

PIPING SYMBOLS

- DIRECTION OF FLOW
- CONTROL VALVE
- THREE-WAY CONTROL VALVE
- SHUTOFF VALVE
- CHECK VALVE
- BALANCING VALVE WITH PRESSURE PORTS
- TRIPLE DUTY VALVE WITH PRESSURE PORTS
- STRAINER
- STRAINER WITH BLOWOFF
- RELIEF / SAFETY VALVE
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- GAS PRESSURE REGULATOR
- THERMOSTATIC MIXING VALVE
- PA — PIPE ANCHOR
- EXPANSION JOINT
- PIPE GUIDE
- PIPING SUPPORT
- F & T TRAP
- BUCKET TRAP
- THERMOSTATIC TRAP
- BACKFLOW PREVENTER
- PRESSURE GAUGE
- THERMOMETER
- PRESSURE AND TEMPERATURE TEST PLUG
- UNION
- FLANGE CONNECTION
- VACUUM RELIEF VALVE
- AV — AUTOMATIC AIR VENT
- MV — MANUAL AIR VENT
- PRESSURE / VACUUM SWITCH
- CLEANOUT
- CAP
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- ELBOW UP WITH SHUT-OFF VALVE (SOV)
- ELBOW DOWN WITH SHUT-OFF VALVE (SOV)
- TEE UP WITH SHUT-OFF VALVE (SOV)
- TEE DOWN WITH SHUT-OFF VALVE (SOV)
- REDUCER
- RECIRCULATION PUMP
- P-TRAP
- GAS COCK
- TOP BEAM CLAMP
- TRAPEZE HANGER
- FLEXIBLE CONNECTION

PIPING LINETYPES

- EXISTING PIPING TO BE REMOVED OR RELOCATED
- EXISTING PIPING TO REMAIN
- CD — CONDENSATE DRAIN (CD)
- ACD — AUXILIARY CONDENSATE DRAIN (ACD)
- NPW — NON-POTABLE WATER (NPW)
- G — NATURAL GAS (G)
- G — NATURAL GAS ON ROOF (G)
- MPG — MEDIUM PRESSURE NATURAL GAS (MPG)
- MPG — MEDIUM PRESSURE NATURAL GAS ON ROOF (MGP)
- FOS — FUEL OIL SUPPLY (FOS)
- FOR — FUEL OIL RETURN (FOR)
- FOV — FUEL OIL VENT (FOV)
- LPG — LIQUEFIED PETROLEUM GAS (LPG)
- BFW — BOILER FEED WATER (BFW)
- HPS — HIGH PRESSURE STEAM SUPPLY (HPS)
- HPC — HIGH PRESSURE STEAM CONDENSATE (HPC)
- LPS — LOW PRESSURE STEAM SUPPLY (LPS)
- LPC — LOW PRESSURE STEAM CONDENSATE (LPC)
- CPD — CONDENSATE PUMP DISCHARGE (CPD)
- HWS — HEATING HOT WATER SUPPLY (HWS)
- HWR — HEATING HOT WATER RETURN (HWR)
- CHWS — CHILLED WATER SUPPLY (CHWS)
- CHWR — CHILLED WATER RETURN (CHWR)
- HCS — HOT / CHILLED WATER SUPPLY (HCS)
- HCR — HOT / CHILLED WATER RETURN (HCR)
- CWS — CONDENSER WATER SUPPLY (CWS)
- CWR — CONDENSER WATER RETURN (CWR)
- RL — REFRIGERANT LIQUID (RL)
- RD — REFRIGERANT DISCHARGE (HOT GAS) (RD)
- RS — REFRIGERANT SUCTION (RS)
- RDB — REFRIGERANT DISCHARGE BYPASS (RDB)
- RV — REFRIGERANT VENT (RV)

HATCHING LEGEND

- ENLARGED PLAN
- NOT IN SCOPE (NIS)

LINETYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

EXISTING	NEW
DEMOLISH	FUTURE

APPLICABLE MECHANICAL CODES:

THE PROJECT IS DESIGNED IN COMPLIANCE WITH THE FOLLOWING CODES. THIS IS NOT AN EXHAUSTIVE LIST. ALL WORK FOR PROJECT SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS AND LOCAL REQUIREMENTS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

MECHANICAL CODE: **2018 INTERNATIONAL MECHANICAL CODE**
BUILDING CODE: **2018 INTERNATIONAL BUILDING CODE**
ENERGY CODE: **2018 INTERNATIONAL ENERGY CONSERVATION CODE**

MECHANICAL GENERAL NOTES:

1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. PROVIDE SEISMIC RESTRAINTS AS NEEDED FOR THE MECHANICAL SYSTEMS IN THE PROJECT BASED ON THE SEISMIC ANALYSIS REQUIRED BY THE SPECIFICATIONS.
3. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
4. COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
5. WHERE SHUTDOWN OF EXISTING SYSTEMS IS REQUIRED DURING NEW WORK, COORDINATE SHUTDOWN TIME AND DURATION WITH THE OWNER TO MINIMIZE DOWNTIME. NOTIFY OWNER SEVEN (7) DAYS PRIOR TO INTERRUPTION OF SERVICE.
6. DURING INSTALLATION OF NEW WORK, AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN. REPAIR DAMAGE CAUSED DURING CONSTRUCTION AT NO EXTRA COST TO THE OWNER.
7. PROVIDE TEMPORARY BARRIERS TO CONTAIN DUST AND DEBRIS RESULTING FROM THE PERFORMANCE OF THE WORK TO THE AREA WHERE WORK IS BEING PERFORMED.
8. ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY DIVISION 23 UNLESS OTHERWISE NOTED.
9. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
10. REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE HVAC SYSTEM. VERIFY CHASES AND PENETRATIONS SHOWN ON ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR DUCTWORK AND PIPING MEET REQUIREMENTS.
11. COORDINATE LOCATION OF ROOF MOUNTED HVAC EQUIPMENT AND ROOF PENETRATIONS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
12. INDOOR AIR QUALITY MEASURES: PROTECT INSIDE OF (INSTALLED AND DELIVERED) DUCTWORK AND HVAC UNITS FROM EXPOSURE TO DUST, DIRT, PAINT AND MOISTURE. REPLACE INSULATION THAT HAS BECOME WET AT ANY TIME DURING CONSTRUCTION. DRYING THE INSULATION IS NOT ACCEPTABLE. SEAL ANY TEARS OR JOINTS OF INTERNAL FIBERGLASS INSULATION. REMOVE DEBRIS FROM CEILING/RETURN AIR PLENUM INCLUDING DUST. AN INDEPENDENT, PROFESSIONAL DUCT CLEANING COMPANY SHALL VACUUM CLEAN ANY DUCTWORK CONNECTED TO HVAC UNITS THAT WERE OPERATED DURING THE CONSTRUCTION PERIOD AFTER NEW FILTERS ARE INSTALLED AND PRIOR TO TURNING SYSTEM OVER TO THE OWNER. THE INTERNAL SURFACES AND ASSOCIATED COILS OF ANY HVAC UNITS THAT WERE OPERATED SHALL ALSO BE CLEANED.
13. INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED.
14. OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF EXCEPT WHERE CONCRETE INSERTS IN CONCRETE SLABS ARE ALLOWED BY THE SPECIFICATIONS.
15. COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT AND/OR FILTER REPLACEMENT.
16. SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
17. FOR HYDRONIC, STEAM AND STEAM CONDENSATE PIPING TO EQUIPMENT, MINIMUM ACCEPTABLE SIZE FOR STEEL AND COPPER PIPE IS 3/4 INCH. USE THIS CRITERIA WHERE PIPE SIZES ARE NOT SHOWN ON PLAN.
18. DRAIN, FLUSH, AND REFILL ALL PIPING SYSTEMS NECESSARY TO PERFORM THE WORK. REFERENCE SPECIFICATIONS FOR FLUSHING PERFORMANCE REQUIREMENTS AND SUBMIT FLUSHING PLAN TO ENGINEER FOR REVIEW. PROVIDE CHEMICAL TREATMENT FOR ALL PIPING SYSTEMS AFTER FLUSHING AND REFILLING THE SYSTEM.
19. COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
20. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
21. DUCTWORK CROSSING FIRE RATED WALLS OR OTHER FIRE RATED ASSEMBLIES SHALL BE MINIMUM 26 GAUGE SHEET METAL.
22. PROVIDE FIRE OR FIRE/SMOKE DAMPERS, AS APPLICABLE, IN DUCTWORK AT CEILINGS AND WALLS AT LOCATIONS SHOWN ON THE PLANS. FIRE AND FIRE/SMOKE DAMPERS SHALL CONFORM TO NFPA AS APPLICABLE. COORDINATE SLEEVE LENGTH WITH REQUIREMENTS OF INSTALLED LOCATION.
23. PROVIDE WALL OR DUCT ACCESS PANELS OR DOORS FOR ACCESS TO FIRE AND FIRE/SMOKE DAMPERS. ACCESS PANEL OR DOOR SHALL BE MINIMUM SIZE OF 10" BY 10" AND SHALL BE INSTALLED WITHIN 12" OF DAMPER. PROVIDE A REMOVABLE DUCT SECTION WHERE DUCT SIZE IS TOO SMALL FOR A 10" BY 10" ACCESS DOOR.
24. LOCATE AND SET THERMOSTATS AND HUMIDISTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL DEVICES WITH TOP OF DEVICE AT MAXIMUM 48" AFF TO MEET ADA REQUIREMENTS UNLESS NOTED OTHERWISE ON PLANS. PROVIDE INSULATED BACKING FOR THERMOSTATS MOUNTED ON EXTERIOR BUILDING WALLS. INSTALL WIRING IN CONDUIT PROVIDED BY DIVISION 26. AT A MINIMUM, PROVIDE CONDUIT IN THE WALL FROM THE JUNCTION BOX TO 6" ABOVE THE CEILING.
25. COORDINATE THE LOCATION AND ELEVATION OF WALL-MOUNTED DEVICES WITH PRESENTATION BOARDS, DISPLAY CABINETS, SHELVES OR OTHER COMPONENTS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE TO BE INSTALLED UNDER OTHER DIVISIONS. CONTRACTOR WILL NOT BE REIMBURSED FOR RELOCATION OF WALL-MOUNTED DEVICES CAUSED BY A LACK OF COORDINATION.
26. PROVIDE A MANUAL BALANCING DAMPER IN EACH DUCT TAKEOFF FROM SUPPLY, RETURN, OUTDOOR AND EXHAUST AIR DUCTS.
27. PROVIDE A PREFABRICATED 45 DEGREE, HIGH EFFICIENCY, RECTANGULAR/ROUND BRANCH DUCT TAKEOFF FITTING FOR BRANCH DUCT CONNECTIONS AND TAKE-OFFS TO INDIVIDUAL DIFFUSERS, REGISTERS AND GRILLES. PROVIDE WITH INTEGRAL MANUAL BALANCING DAMPER AND LOCKING QUADRANT WHERE INDICATED ON PLANS.
28. BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS OTHERWISE NOTED.
29. REFER TO SPECIFICATIONS FOR DUCTWORK AND PIPING INSULATION REQUIREMENTS. DUCT SIZES ON MECHANICAL PLANS INDICATE CLEAR INSIDE AIRFLOW DIMENSIONS. INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
30. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0" IN LENGTH AND SHALL BE INSTALLED AND SUPPORTED TO AVOID SHARP BENDS AND SAGGING. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
31. PROVIDE A NEW SET OF AIR FILTERS IN UNITS PRIOR TO TESTING, ADJUSTING AND BALANCING AND BEFORE TURNING SYSTEM(S) OVER TO OWNER. REFER TO MECHANICAL SPECIFICATIONS FOR FILTER REQUIREMENTS.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI — ROBERT W HARRIS JR — NUMBER E-2000172990 — REGISTERED PROFESSIONAL ENGINEER
03/04/2026

ROBERT W. HARRIS
LICENSE # E-2000172990

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

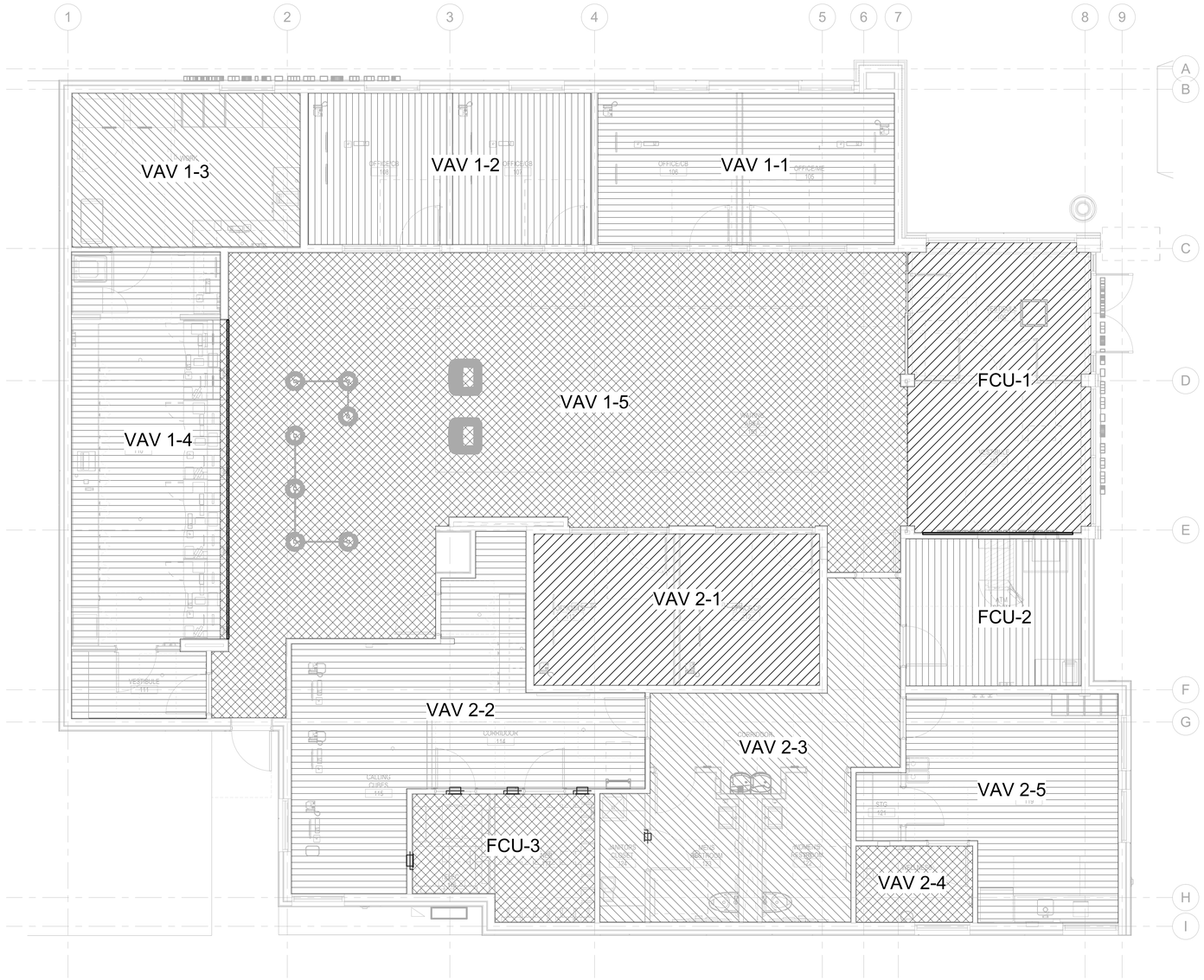
Owner Approval

2550004415 — Not to Scale
Job No. — Scale

MECHANICAL GENERAL NOTES AND LEGEND

M00.00

ROBERT W. HARRIS



1 MECHANICAL ZONE PLAN
1/4" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

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ROBERT W HARRIS JR
NUMBER E-2000172990
LICENSED PROFESSIONAL ENGINEER
03/04/2026

ROBERT W. HARRIS
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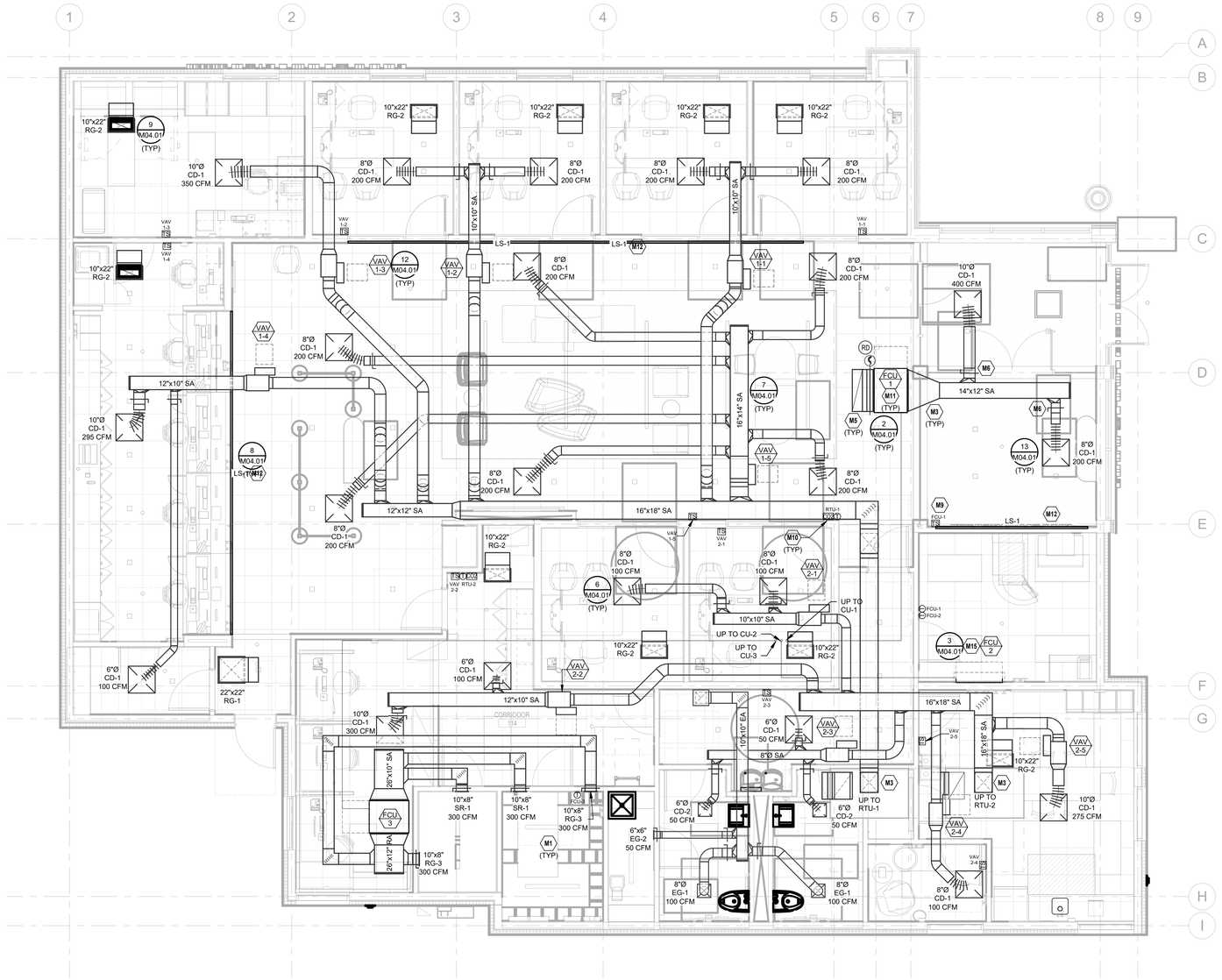
Owner Approval

2550004415 Job No.
Not to Scale Scale

MECHANICAL ZONE PLAN

M01.01

ROBERT W. HARRIS



1 MECHANICAL PLAN
1/4" = 1'-0"

MECHANICAL PLAN NOTES:

M1 DO NOT ROUTE DUCTWORK OVER ELECTRICAL / TECHNOLOGY / AV EQUIPMENT. COORDINATE DUCT ROUTING WITH ALL TRADES.

M3 TRANSITION DUCTWORK TO FULL SIZE OF UNIT CONNECTIONS.

M5 PROVIDE RETURN DUCT FULL SIZE OF UNIT RETURN AIR CONNECTION. PROVIDE DUCT LINER IN RETURN DUCTWORK PER SPECIFICATIONS FOR SOUND ATTENUATION. COVER RETURN INLET WITH 1/2" GALVANIZED STEEL BIRD SCREEN.

M6 PROVIDE CONCEALED, REMOTE CABLE-OPERATED, BUTTERFLY-TYPE VOLUME DAMPER WITH EXTERNAL WORM GEAR OPERATOR IN INDICATED BRANCH DUCTWORK FOR BALANCING. DAMPER CABLE ACTUATOR SHALL BE ACCESSIBLE FOR BALANCING FROM THE PLENUM OF A SLOT DIFFUSER OR THE TOP OF A SQUARE OR ROUND FACE DIFFUSER AS APPLICABLE.

M9 PROVIDE TEMPERATURE SENSOR IN SPACE. TEMPERATURE SENSOR SHALL BE WIRED TO VRF CONTROLLER. VERIFY FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.

M10 CO2 SENSOR TO IC3 CONTROL PANEL. CO2 SENSOR IS FOR MONITORING ONLY.

M11 ACCESS TO HVAC EQUIPMENT SHALL BE FROM LAY-IN CEILING OR ARCHITECTURAL ACCESS PANEL AS APPLICABLE. COORDINATE FINAL INSTALLED LOCATION SUCH THAT THE HVAC EQUIPMENT REMAINS ACCESSIBLE. VERIFY THAT NO OTHER PIPING, ELECTRICAL CONDUIT, STRUCTURE, AND/OR CEILING SUPPORTS IMPEDE ACCESS IN any WAY. INSTALL BOTTOM OF HVAC EQUIPMENT WITHIN 24" ABOVE CEILING FOR SERVICEABILITY.

M12 HEAVY LINE INDICATES A CONTINUOUS LINEAR SLOT DIFFUSER FOR SUPPLY/RETURN AIR. PLENUM SERVES LINEAR SLOT DIFFUSER FOR SUPPLY AIR. UNUSED PORTIONS OF THE SLOT SHALL BE BLANKED OFF. ALL VISIBLE INTERIOR SURFACES OF THE SLOT SHALL BE FLAT BLACK.

M15 INSTALL DUCTLESS SPLIT SYSTEM HIGH ON WALL AT 8'-0" AFF. COORDINATE WITH ROOM EQUIPMENT SUCH THAT UNIT DOES NOT IMPEDE INSTALLATION OF SAID EQUIPMENT.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
ROBERT W HARRIS JR
NUMBER E-2000172990
LICENSED PROFESSIONAL ENGINEER
03/04/2026

ROBERT W. HARRIS
LICENSE # E-2000172990

1 CD_F 02/25/2026

DELTA ISSUE DESCRIPTION DATE

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

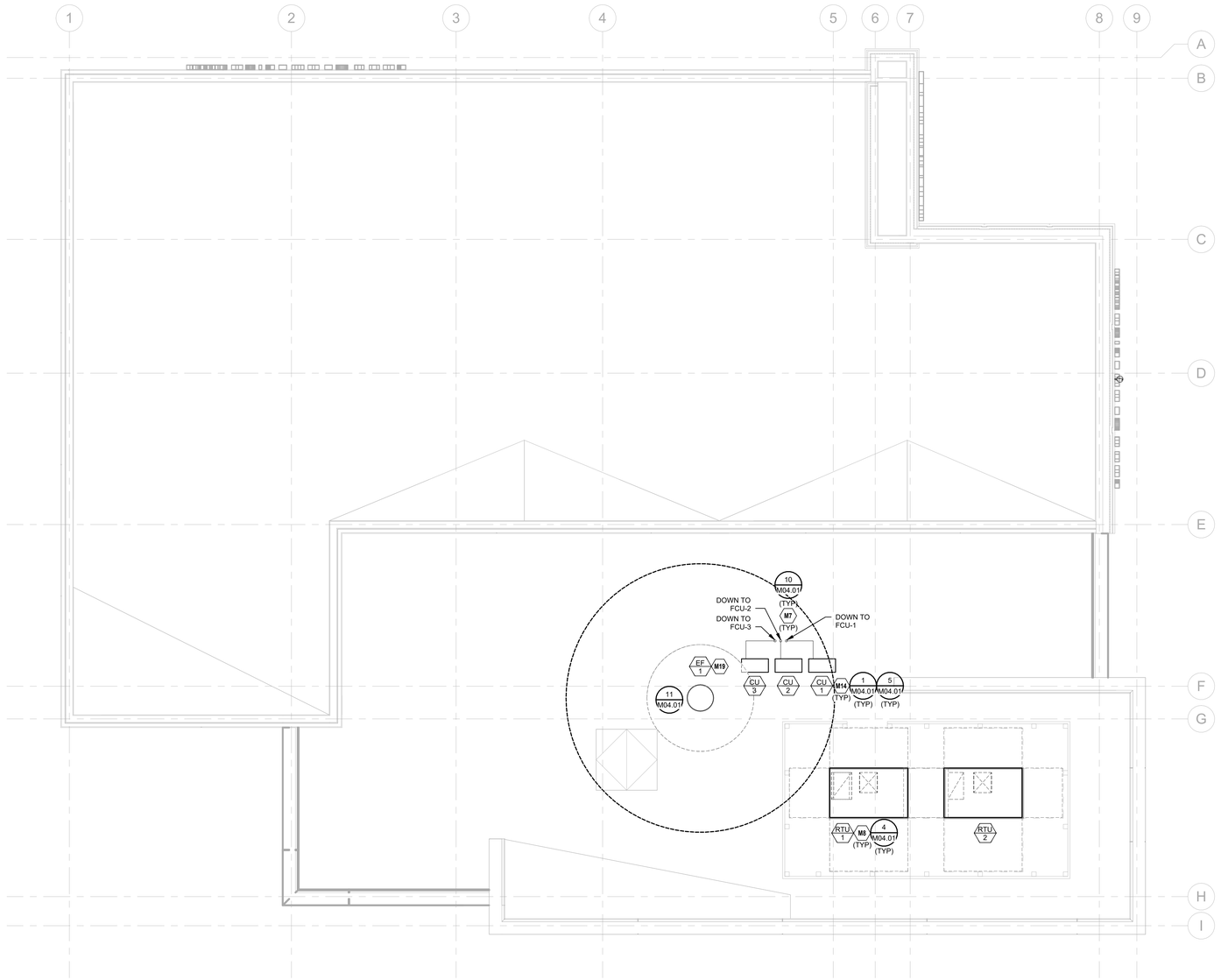
Owner Approval

2550004415 Job No.
As indicated Scale

MECHANICAL PLAN

M02.01

ROBERT W. HARRIS



1 MECHANICAL ROOF PLAN
1/4" = 1'-0"

MECHANICAL PLAN NOTES:

M7 ROUTE REFRIGERANT PIPING FROM EXTERIOR CONDENSING UNIT TO INTERIOR EVAPORATOR UNIT. SIZE AND ROUTE PIPING PER MANUFACTURER'S RECOMMENDATIONS.

M8 REFER TO PLUMBING DRAWINGS FOR CONDENSATE CONNECTIONS AND DETAILS.

M14 PROVIDE CONDENSING UNIT ON ROOF. COORDINATE FINAL LOCATION OF CONDENSING UNIT WITH LOCAL CODE REQUIREMENTS AND THE AUTHORITY HAVING JURISDICTION. INDICATED LOCATION IS REPRESENTATIVE ONLY AND SHOWN AS SUCH FOR CLARITY. INSTALL CONDENSING UNIT TO MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES. UNITS SHALL BE INSTALLED ON WAFFLE PADS FOR VIBRATION ISOLATION. PROVIDE SEISMIC RESTRAINT.

M19 EXHAUST TO BE A MINIMUM OF 10 FEET AWAY FROM ANY FRESH AIR OPENINGS.

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CHIPMAN

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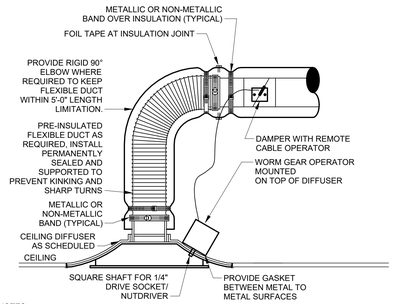
Owner Approval

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As indicated — Scale

MECHANICAL ROOF PLAN

M03.01

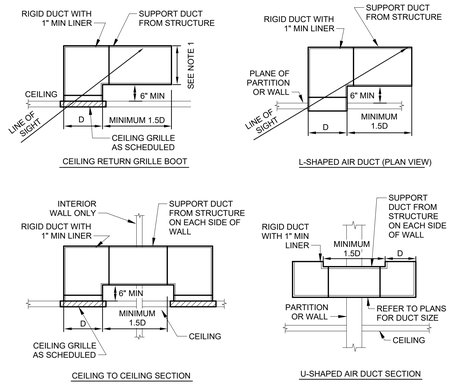
ROBERT W. HARRIS



NOTES:

1. FLEXIBLE DUCT LENGTH MAY NOT EXCEED 5'-0". EXTEND RIGID DUCT AS REQUIRED.
2. REFER TO SPECIFICATIONS FOR FLEXIBLE DUCTWORK INSTALLATION REQUIREMENTS.

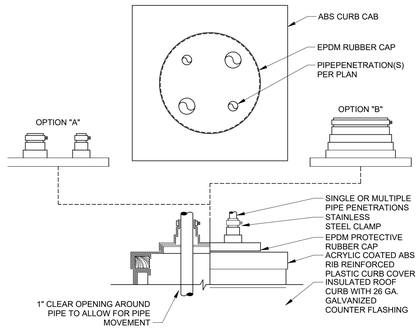
13 CEILING DIFFUSER WITH CABLE OPERATED DAMPER DETAIL
NTS



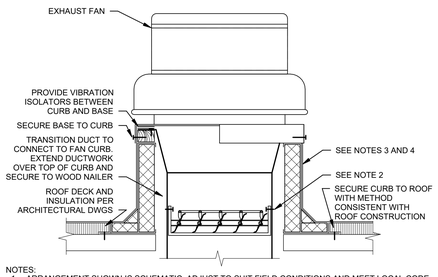
NOTES:

1. REFER TO FLOOR PLAN FOR OUTLET DEPTH. WHEN NO DEPTH IS SHOWN, MINIMUM DEPTH SHALL BE AS REQUIRED TO LIMIT AIR VELOCITY TO 500 FPM WITH A MINIMUM SIZE OF 0.5D.

9 RETURN TRANSFER AIR DUCT DETAILS
NTS



10 PIPE PORTAL ROOF PENETRATION DETAIL
NTS

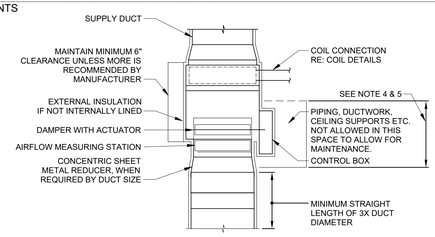


NOTES:

1. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS AND MEET LOCAL CODE.
2. IF DAMPER IS SPECIFIED IN EQUIPMENT SCHEDULE, INSTALL DAMPER AT BASE OF CURB AND SECURE FROM ABOVE TO ALLOW SERVICE THROUGH TOP OF CURB.
3. PREFABRICATED INSULATED ROOF CURB WITH TREATED WOOD NAILER, CANT, AND STEP AS REQUIRED TO ACCOMMODATE ROOF INSULATION. FRAME AND SECURE CURB TO ROOF WITH METHOD CONSISTENT WITH ROOF CONSTRUCTION. ROOF CURB SHALL BEAR ON ROOF STRUCTURE. REFER TO ARCHITECTURAL DRAWINGS AND CURB MANUFACTURER'S DETAILS FOR MORE INFORMATION.
4. FOR SLOPED ROOFS, PROVIDE CURB WITH DIMENSIONS CAPABLE OF COMPENSATING ROOF SLOPE TO ENSURE FAN IS INSTALLED LEVEL.

HIGH WIND STRAPPING: PROVIDE STAINLESS STEEL STRAPS OF LENGTH, WIDTH, THICKNESS, AND SPACING SUFFICIENT TO SECURE FAN TO CURB TO WITHSTAND WIND SPEED REQUIREMENTS PER LOCAL CODE. WRAP STRAPS OVER FAN AND SECURELY ATTACH TO OPPOSITE SIDE OF THE CURB.

11 ROOF MOUNTED DOWNBLAST FAN DETAIL
NTS



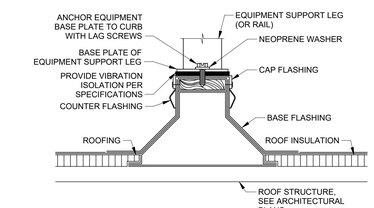
NOTES:

1. ARRANGEMENT SHOWN IS SCHEMATIC, ADJUST TO SUIT FIELD CONDITIONS AND MEET LOCAL CODE REQUIREMENTS.
2. SUPPORT TERMINAL UNIT AT BOTH ENDS WITH MINIMUM 2 INCH WIDE GALVANIZED 22 GA. HANGER STRAPS.
3. INSTALL TERMINAL UNIT NOT MORE THAN 3 FEET ABOVE CEILING FOR MAINTENANCE ACCESS.
4. THE GREATER OF A 30" MINIMUM CLEARANCE WIDTH OR THE TOTAL WIDTH OF THE HEATING COIL CONTROLS ENCLOSURE (IF SCHEDULED) AND BOX CONTROLLER/ACTUATOR IS REQUIRED.
5. ALL ACCESS DOORS MUST BE ABLE TO OPEN A MINIMUM OF 90 DEGREES.

ELECTRIC HEATING COIL NOTES:

1. REFER TO ELECTRICAL CODE TO DETERMINE EXACT CLEARANCE DEPTH REQUIRED BASED ON FIELD CONDITIONS. THE CLEARANCE SHALL NOT BE LESS THAN 36".

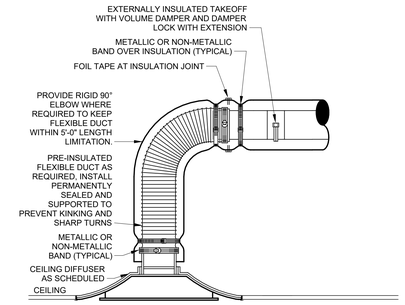
12 SINGLE DUCT TERMINAL UNIT DETAIL
NTS



NOTES

1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR EQUIPMENT SUPPORTS, ANCHORING AND SEISMIC/WIND RESISTANCE.

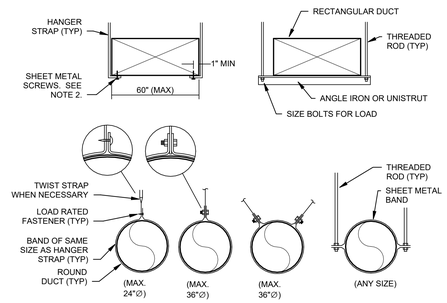
5 ROOF EQUIPMENT SUPPORT RAIL DETAIL
NTS



NOTES:

1. FLEXIBLE DUCT LENGTH MAY NOT EXCEED 5'-0". EXTEND RIGID DUCT AS REQUIRED.
2. REFER TO SPECIFICATIONS FOR FLEXIBLE DUCTWORK INSTALLATION REQUIREMENTS.

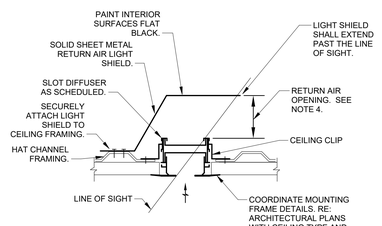
6 CEILING DIFFUSER DETAIL
NTS



NOTES:

1. USE THREADED ROD FOR RECTANGULAR DUCTS LARGER THAN 60" WIDE.
2. OMIT SHEET METAL SCREWS IF HANGER STRAP IS CONTINUOUS AND LOOPS UNDER ENTIRE RECTANGULAR DUCT.
3. FOR ROUND DUCTS LARGER THAN 36" Ø, USE TWO HANGER RODS TO SUPPORT DUCT FROM EACH SIDE.
4. HANGERS MUST NOT DEFORM DUCT SHAPE.

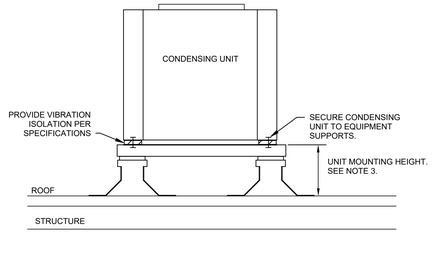
7 DUCT HANGER LOWER ATTACHMENT DETAILS
NTS



NOTES:

1. DETAIL REFERS TO LIGHT SHIELD OVER LINEAR SLOT DIFFUSERS IN THE CEILING OR REVEAL.
2. COORDINATE INSTALLATION POINT OF RETURN AIR LIGHT SHIELD WITH ACTUAL INSTALLED CEILING FRAMING. SECURELY ATTACH LIGHT SHIELD TO THE SAME CEILING FRAMING DIFFUSER IS ATTACHED TO.
3. POSITION PATTERN DEFLECTOR SUCH THAT IT DISALLOWS DIRECT LINE OF SIGHT INTO THE PLENUM. LIGHT SHIELD RETURN AIR OPENING SHALL BE A MINIMUM OF 3" FOR SLOT WIDTHS UP TO 2" AND 6" FOR SLOT WIDTHS LARGER THAN 2".

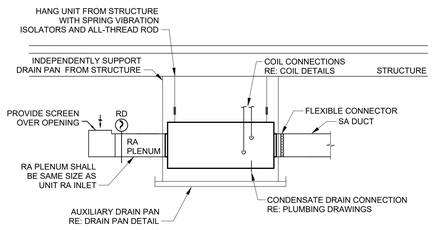
8 FIELD-FABRICATED RETURN AIR LIGHT SHIELD DETAIL
NTS



NOTES:

1. SUPPORT AND ANCHOR OUTDOOR UNITS IN COMPLIANCE WITH LOCAL SEISMIC AND WIND RESTRAINT REQUIREMENTS.
2. SEE MECHANICAL EQUIPMENT ANCHORS AND SUPPORT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. REFER TO THE EQUIPMENT SCHEDULE AND MANUFACTURER'S REQUIREMENTS FOR UNIT MOUNTING HEIGHT.

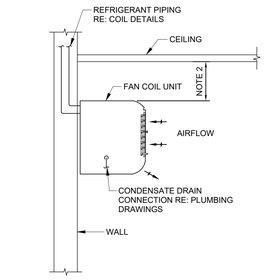
1 CONDENSING UNIT SUPPORT DETAIL
NTS



NOTES:

1. ARRANGEMENT SHOWN IS SCHEMATIC, ADJUST TO SUIT FIELD CONDITIONS AND MEET LOCAL CODE REQUIREMENTS.

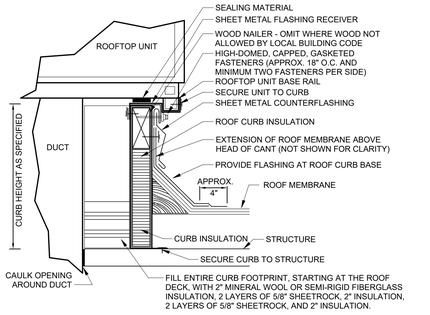
2 HORIZONTAL HVAC UNIT DETAIL
NTS



NOTES:

1. ARRANGEMENT SHOWN IS SCHEMATIC, ADJUST TO SUIT FIELD CONDITIONS AND MEET LOCAL CODE REQUIREMENTS.
2. PROVIDE MINIMUM 3.5" OF CLEARANCE AT THE TOP OF THE UNIT.
3. ATTACH FAN COIL UNIT TO MANUFACTURER'S PROVIDED INSTALLATION PLATE. MOUNT INSTALLATION PLATE TO WALL PER MANUFACTURER'S RECOMMENDATIONS.

3 VRF WALL-MOUNTED UNIT DETAIL
NTS



NOTES:

1. CUT METAL DECKING TO ALLOW CURB INSTALLATION ON STEEL FRAMING. AFTER CURB IS SET IN PLACE, TRIM REMAINING METAL DECKING AND INSTALL WITHIN CURB. TACK WELD DECKING TO SUPPORT STEEL. DO NOT WELD INTERIOR DECKING TO ROOF CURB. PROVIDE ADDITIONAL CROSS FRAMING TO SUPPORT INTERIOR DECKING AND FILL MATERIAL AS REQUIRED.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR ROOF CURBS, ANCHORING AND SEISMIC/WIND RESISTANCE.

4 ROOF CURB DETAIL
NTS

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
ROBERT W HARRIS JR
NUMBER E-2000172990
REGISTERED PROFESSIONAL ENGINEER
03/04/2026

ROBERT W. HARRIS
LICENSE # E-2000172990

1 CD_F 02/25/2026

DELTA	ISSUE	DESCRIPTION	DATE

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2026

Owner Approval

2550004415 Not to Scale
Job No. Scale

MECHANICAL DETAILS

M04.01

ROBERT W. HARRIS

ROOFTOP UNIT CONTROL MATRIX

CONTROL FEATURE	UNITS	RTU-1 SETPOINT OR Y/N	RTU-2 SETPOINT OR Y/N	POINT TYPE INTERFACE WITH DDC (READ/WRITE)	NOTES
BUILDING AUTOMATION SYSTEM (BAS)					
BAS MONITORING AND MANAGEMENT INTERFACE		Y	Y	BACNET	A
SETPOINTS					
COOLING - OCCUPIED SETPOINT	°F	75	75	READ/WRITE	
COOLING - UNOCCUPIED SETPOINT	°F	80	80	READ/WRITE	
DEAD BAND - MINIMUM HEATING AND COOLING TEMPERATURE SETPOINT DIFFERENCE	°F	5	5		
HEATING - OCCUPIED SETPOINT	°F	70	70	READ/WRITE	
HEATING - UNOCCUPIED SETPOINT	°F	60	60	READ/WRITE	
PROGRAMMED CONTROL FEATURES					
HVAC SYSTEM OCCUPIED/UNOCCUPIED MODE - PROGRAMMABLE THERMOSTAT		Y	Y	READ	C
DEMAND CONTROL VENTILATION - CO2 SENSOR FEEDBACK	PPM	1,000	1,000	READ/WRITE	B
EQUIPMENT ACCESSORIES AND CONTROL MODULES					
OUTSIDE AIR DAMPER - MOTOR OPERATED (MODULATING)		Y	Y	READ POSITION	L
INTEGRATED ECONOMIZER - ENTHALPY ENABLE	BTU/LB	26	26	READ/WRITE	E
ECONOMIZER FAULT DETECTION AND DIAGNOSTICS (FDD) SYSTEM		Y	Y	READ	F, G
RELIEF - BAROMETRIC DAMPER		Y	Y		
COOLING COIL (DX - STAGED)		Y	Y	READ STATUS	M
HEATING COIL (NATURAL GAS)		Y	Y	READ STATUS	M
SUPPLY FAN CONTROL METHODS					
ON DURING OCCUPIED HOURS		Y	Y		
CYCLE WITH LOADS DURING UNOCCUPIED HOURS		Y	Y		
OPTIMUM START SEQUENCE		Y	Y		T
VARIABLE VOLUME - MODULATE FAN SPEED IN RESPONSE TO ZONE TEMPERATURE		Y	Y	READ STATUS	M, R
SAFETIES, INTERLOCKS, AND ALARMS					
GAS VALVE SAFETY		Y	Y	READ	F
RETURN AIR SMOKE DETECTOR - SAFETY SHUTDOWN		Y	Y	READ	B

DIV. 23 CONTRACTOR SHALL PROVIDE CONTROL PANEL(S), WIRING, THERMOSTAT(S), TEMPERATURE SENSOR(S), HUMIDISTAT(S), AND/OR CO2 SENSOR(S) WHERE SHOWN ON THE DRAWINGS AND AS REQUIRED TO FACILITATE THE SCHEDULED CONTROL MODULES AND SEQUENCES OF OPERATION. EACH UNIT SHALL CONTROL BASED ON ITS OWN INTERNAL SAFETIES, TIME DELAYS, AND SEQUENCES UNLESS NOTED OTHERWISE. COORDINATE WITH OWNER FINAL BUILDING AND EQUIPMENT SCHEDULES DURING STARTUP. REFERENCE DIVISION SPECIFICATIONS FOR INDIVIDUAL DEVICE REQUIREMENTS.

NOTES:

A. PROVIDE UNIT WITH FACTORY MOUNTED DDC CONTROLS AND INTEGRATE INTO THE BAS. BAS SHALL PROVIDE REMOTE SETPOINT ADJUSTMENT, SCHEDULING, AND MONITORING OF THE POINTS LISTED IN THE SCHEDULE FOR EACH UNIT.
B. DIVISION 23 CONTRACTOR SHALL PROVIDE DEVICE.
C. iC3 CONTRACTOR SHALL PROVIDE DEVICE.
E. IF SETPOINT VALUE IS LISTED, IT INDICATES ECONOMIZER HIGH-LIMIT SHUTOFF. UNIT SHALL BE IN ECONOMIZER IF CONDITIONS ARE LESS THAN SETPOINT. THE FOLLOWING SENSORS SHALL DETERMINE ECONOMIZER ON POINT.
OUTSIDE AIR TEMPERATURE; DIVISION 23 PROVIDED AS PART OF ECONOMIZER CONTROL MODULE.
OUTSIDE AIR HUMIDITY; DIVISION 23 PROVIDED AS PART OF ECONOMIZER CONTROL MODULE.
F. DEVICE SHALL BE FACTORY MOUNTED AND PRE-WIRED FOR OPERATION SUBJECT TO THE ONBOARD CONTROLLER.
G. PROVIDE UNIT WITH AN FDD SYSTEM CONSISTING OF PERMANENTLY INSTALLED OUTSIDE AIR, SUPPLY AIR, AND RETURN AIR TEMPERATURE SENSORS. THE UNIT CONTROLLER SHALL AT A MINIMUM BE CAPABLE OF PROVIDING SYSTEM STATUS OF ECONOMIZER, COMPRESSOR, HEATING, MIXED AIR LOW LIMIT ALARM, AND SENSOR VALUES. EACH OPERATING MODE SHALL BE CAPABLE OF INDEPENDENTLY OPERATING FOR TESTING. THE SYSTEM SHALL REPORT FAULTS TO AN APPLICATION ACCESSIBLE BY SERVICE PERSONNEL. THE FOLLOWING FAULTS SHALL BE DETECTED: AIR TEMPERATURE SENSOR FAILURE, ECONOMIZER ENABLED/DISABLED WHEN ECONOMIZER SHOULD BE OFF/ON, RESPECTIVELY, DAMPER NOT MODULATING, AND EXCESS OUTSIDE AIR.
L. EQUIPMENT MANUFACTURER SHALL PROVIDE MODULATING DAMPER AND CONTROLS CAPABLE OF ADJUSTING THE DAMPER POSITION TO MAINTAIN THE SCHEDULED OUTSIDE AIR ON THE DRAWINGS ACROSS ALL FAN SPEEDS. DIV. 23 CONTRACTOR SHALL PROGRAM MULTIPLE DAMPER POSITION SETPOINTS IN THE FIELD DURING TESTING AND BALANCING TO MAINTAIN MINIMUM VENTILATION WHEN NOT IN ECONOMIZER. DAMPER SHALL BE CLOSED DURING UNOCCUPIED HOURS.
M. UNITARY CONTROLLER SHALL MODULATE AND/OR CYCLE SUPPLY FAN SPEED SETTING AND COIL CAPACITY STAGES SUBJECT TO THE INTERNAL SAFETIES AND SEQUENCES TO MAINTAIN SCHEDULED SETPOINTS.
R. PROVIDE MODULATING FAN CONTROL WITH MINIMUM SPEED LESS THAN 50% OF FULL SPEED. AT MINIMUM SPEED THE FAN SHALL DRAW NO MORE THAN 30% OF FULL SPEED POWER.
T. DURING OPTIMUM START SEQUENCE, THE UNIT SHALL SUPPLY THE LESSER OF THE MINIMUM RATE OF OUTDOOR AIR OR SUPPLY 3 COMPLETE AIR CHANGES DURING THE 1-HOUR PERIOD BEFORE NORMAL OCCUPIED MODE.

VAV TERMINAL SCHEDULE (COOLING ONLY)

MARK	SERVED FROM	ZONE SERVED	MANUFACTURER	MODEL	INLET SIZE (IN)	PRIMARY CFM	MIN PRIM CFM	CP TRANS V/PH	SOUND POWER RADIATED	SOUND POWER DISCHARGE	CONTROL TYPE	NOTES
VAV 1-1	RTU-1	OFFICES	CARRIER	35ED	10	400	120	120V / 1PH	21	20	SINGLE MAXIMUM	A-J
VAV 1-2	RTU-1	OFFICES	CARRIER	35ED	10	400	120	120V / 1PH	21	20	SINGLE MAXIMUM	A-J
VAV 1-3	RTU-1	WORK ROOM	CARRIER	35ED	10	350	105	120V / 1PH	21	20	SINGLE MAXIMUM	A-J
VAV 1-4	RTU-1	TELLER	CARRIER	35ED	10	395	119	120V / 1PH	21	20	SINGLE MAXIMUM	A-J
VAV 1-5	RTU-1	LOBBY	CARRIER	35ED	16	1200	360	120V / 1PH	21	20	SINGLE MAXIMUM	A-J
VAV 2-1	RTU-2	OFFICES	CARRIER	35ED	8	200	60	120V / 1PH	21	20	SINGLE MAXIMUM	A-J
VAV 2-2	RTU-2	WORK ROOM	CARRIER	35ED	10	400	120	120V / 1PH	21	20	SINGLE MAXIMUM	A-J
VAV 2-3	RTU-2	RESTROOMS	CARRIER	35ED	8	150	150	120V / 1PH	21	20	CONSTANT VOLUME	A-J
VAV 2-4	RTU-2	WELLNESS ROOM	CARRIER	35ED	8	100	30	120V / 1PH	21	20	SINGLE MAXIMUM	A-J
VAV 2-5	RTU-2	BREAKROOM	CARRIER	35ED	10	275	83	120V / 1PH	21	20	SINGLE MAXIMUM	A-J

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:
A. INSTALL FLEXIBLE DUCT CONNECTOR AT INLET CONNECTION.
B. PROVIDE INTEGRAL DISCONNECT SWITCH.
C. PROVIDE CONTROL POWER (CP) TRANSFORMER BY DIVISION 23. COORDINATE PRIMARY POWER WITH ELECTRICAL DRAWINGS.
D. BOX NOT TO EXCEED SCHEDULED DISCHARGE OR RADIATED SOUND NC LEVEL USING 0.5 INCH PRESSURE DROP.
E. FACTORY MOUNT CONTROLS FURNISHED BY THIRD PARTY.
F. PROVIDE FACTORY FURNISHED, FIELD INSTALLED TEMPERATURE SENSOR AT VAV BOX INLET AND INTEGRAL CONTROLS FOR AUTOMATIC CHANGEOVER BETWEEN HEATING AND COOLING MODE.
G. PROVIDE BOX WITH EITHER RIGHT HAND OR LEFT HAND CONFIGURATION AS SHOWN ON DRAWINGS.
H. BOX SELECTED AT 1010 FEET ABOVE SEA LEVEL.
J. INLET SIZE SHOWN IS THE MINIMUM ALLOWABLE INLET SIZE. NO SMALLER SIZES SHALL BE ACCEPTED.

FAN SCHEDULE

MARK	SERVICE DESCRIPTION	MANUFACTURER	MOUNTING	MODEL	CFM	ESP (IN)	BHP	NOM HP	FAN RPM	DRIVE (BELT/DIRECT)	ELECTRICAL V/PH	ELECTRICAL DISC TYPE	ELECTRICAL STARTER TYPE	WEIGHT (LBS)	NOTES
EF-1	RESTROOMS	GREENHECK	DOWNBLAST	G-095-G	250	0.5	0.06	0.06	1300	DIRECT	120/1	DIV.26	--	45	ALL

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. PROVIDE INSULATED ROOF CURB WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 8 INCHES ABOVE FINISHED ROOF SURFACE. PROVIDE SLOPED CURB IF NEEDED TO MATCH ROOF SLOPE. COORDINATE WITH ROOF INSULATION THICKNESS AND ROOF TAPER AT INSTALLED LOCATION. COORDINATE CURB TYPE WITH DRAWINGS.
B. PROVIDE BIRDSCREEN AND MOTORIZED DAMPER.
C. DIVISION 26 CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH.
D. FAN SHALL BE SELECTED FOR STABLE OPERATION AT ELEVATED TEMPERATURE OF 95 F.
E. PROVIDE SHAFT GROUNDING SYSTEM ON MOTOR. REFER TO MOTOR SPECIFICATION FOR ADDITIONAL INFORMATION.
F. PROVIDE WITH MANUFACTURER'S FAN SPEED CONTROLLER FOR BALANCING PURPOSES.

HEAT PUMP ROOFTOP UNIT SCHEDULE WITH AUX. ELECTRIC HEAT

MARK	MANUFACTURER	MODEL	NOMINAL TONS	UNIT TYPE	SUPPLY FAN TYPE	SUPPLY FAN CFM	SUPPLY FAN ESP (IN)	SUPPLY FAN BHP	SUPPLY FAN NOM HP	SUPPLY FAN VFD (Y/N)	COOLING COIL TH (MBH)	COOLING COIL SH (MBH)	COOLING COIL EAT (°F DB)	COOLING COIL EAT (°F WB)	COOLING COIL LAT (°F DB)	COOLING COIL LAT (°F WB)	COOLING COIL REFR TYPE	COOLING COIL MIN EFF (SEER)	COOLING COIL MIN EFF (IEER)	COOLING COIL MIN NO STAGES	COOLING COIL MAX VEL (FPM)	HEAT PUMP HEATING COIL MIN OUT (MBH)	HEAT PUMP HEATING COIL AMBIENT (°F DB)	HEAT PUMP HEATING COIL EAT (°F DB)	HEAT PUMP HEATING COIL LAT (°F DB)	HEAT PUMP HEATING COIL MIN EFF (COP)	AUXILIARY HEATING COIL MIN OUT (MBH)	AUXILIARY HEATING COIL NOM (KW)	AUXILIARY HEATING COIL MAX LAT (°F DB)	AUXILIARY HEATING COIL MIN NO STAGES	TOTAL HTG CAP (MBH)	MIN OA (CFM)	ELECTRICAL V/PH	ELECTRICAL MCA	ELECTRICAL MOCP	ELECTRICAL DISC TYPE	WEIGHT (LBS)	NOTES
RTU-1	CARRIER	48FEDM07	6	DOWNBLAST	CENTRIFUGAL	2,745	1.0	1.4	3	N	70.0	57.1	76.8	62.9	57.9	55.3	R-454B	--	15.0	2	550	30.1	4.4	59	72.7	3.8	40.9	12	90	2	71.0	310	208/3	75	80	DIV.26	880	ALL
RTU-2	CARRIER	48FEDA04	3	DOWNBLAST	CENTRIFUGAL	1,125	1.0	0.5	1	N	29	23.9	77.6	64.1	57.7	55.6	R-454B	--	15.5	2	550	11.7	4.4	60.5	70.5	3.8	22.2	6.5	90	2	33.9	130	208/3	45	50	DIV.26	750	ALL

MODEL NUMBERS AND NOMINAL TONS LISTED SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER, MODEL NUMBERS, OR NOMINAL TONS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. REFER TO ROOFTOP UNIT CONTROL MATRIX FOR ADDITIONAL UNIT FEATURES, COMPONENTS, MODULES, ACCESSORIES, AND CONTROLS THAT SHALL BE PROVIDED WITH THE EQUIPMENT.
B. EQUIPMENT SIZED FOR 95°F AMBIENT TEMPERATURE.
C. PROVIDE 2" MERV 8, EFFICIENT PLEATED THROWAWAY AIR FILTERS.
D. DISCONNECT SWITCH PROVIDED BY DIVISION 26 CONTRACTOR.
E. STARTERS FOR ALL MOTORS SHALL BE FURNISHED INTEGRAL WITH UNIT.
F. PROVIDE FACTORY MOUNTED VARIABLE FREQUENCY DRIVE OR 2-SPEED MOTOR TO FACILITATE STAGED FAN SPEED CONTROL.
G. PROVIDE SHAFT GROUNDING SYSTEM ON MOTOR. REFER TO MOTOR SPECIFICATION FOR ADDITIONAL INFORMATION.
H. PROVIDE SINGLE POINT POWER CONNECTION.
J. COORDINATE SIZE OF CONDUCTOR TERMINATION LUGS WITH CONDUCTOR SIZES SHOWN ON ELECTRICAL DRAWINGS.
K. PROVIDE 125 VAC, 20 AMP DUPLEX CONVENIENCE RECEPTACLE MOUNTED TO UNIT READY FOR FIELD WIRING WITH A COVER UL LISTED FOR WET AND DAMP LOCATIONS WHEN IN USE.
L. SPECIFIED FAN ESP ACCOUNTS FOR DUCT LOSSES EXTERNAL TO UNIT.
N. PROVIDE MOTOR HORSEPOWER TO OVERCOME INTERNAL UNIT STATIC PRESSURE DROP. NOMINAL MOTOR HP SHALL BE NO LARGER THAN THE FIRST AVAILABLE NOMINAL MOTOR SIZE GREATER THAN THE REQUIRED BHP.
P. PROVIDE INSULATED ROOF CURB WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 16 INCHES ABOVE FINISHED ROOF SURFACE. PROVIDE SLOPED CURB IF NEEDED TO MATCH ROOF SLOPE. COORDINATE WITH ROOF INSULATION THICKNESS AND ROOF TAPER AT INSTALLED LOCATION. COORDINATE CURB TYPE WITH DRAWINGS.
R. SCHEDULED WEIGHT IS THE MAXIMUM ALLOWABLE OPERATING WEIGHT OF THE EQUIPMENT AND CURB.
S. COOLING COIL LAT IS LEAVING AIR TEMPERATURE OF COIL.
T. PROVIDE GUARDS TO PROTECT CONDENSER COIL FROM HAIL OR OTHER DAMAGE.
U. TOTAL HEATING CAPACITY INCLUDES THE HEAT PUMP HEATING COIL CAPACITY AT THE AMBIENT DRY BULB TEMPERATURE LISTED PLUS THE AUXILIARY HEATING COIL OUTPUT LISTED. HEAT PUMP HEATING COIL MINIMUM EFFICIENCY IS CALCULATED AT 47°F.
V. SELECT EQUIPMENT FOR ELEVATION OF 1010 FEET ABOVE SEA LEVEL.

CARRIER CONTACT INFORMATION:
STEVE OWENS:
PHONE 704-991-5205
EMAIL STEPHEN.OWENS@CARRIER.COM

SEQUENCE OF OPERATION

A. ROOFTOP UNIT CONTROL (RTU-1,2)

Refer to Rooftop Unit Control Matrix for sequence of operations.

B. FAN COIL UNIT CONTROL (FCU-2, 3)

During all hours, cycle fan coil unit supply fan, cooling, and heating to maintain room thermostat. See Project design conditions on M00.00.

C. FAN COIL UNIT CONTROL (FCU-1)

During all hours, cycle fan coil unit supply fan, cooling, and heating to maintain room thermostat set point. Heat pump controls shall prevent supplemental electric resistance heat from coming on when not needed.

D. VAV BOX CONTROL (VAV-1-1 - 2-5)

For single duct variable air volume terminal units, upon a rise in space temperature above cooling setpoint, the terminal unit primary damper shall modulate towards its maximum cooling CFM. A drop in space temperature shall result in the unit primary damper modulating towards its minimum cooling CFM. During unoccupied hours, the unit shall sequence the same as the occupied cycle to maintain a reduced setback space temperature.
Heating/cooling auto-changeover shall sequence terminal unit when associated RTU-x is in heating mode as follows: when supply temperature is below 70 degrees Fahrenheit, the unit shall operate in the cooling mode, as described above. Upon a rise in supply temperature above 75 degrees Fahrenheit, the unit shall changeover to the heating mode and modulate primary damper to minimum position. A decrease in room temperature below heating setpoint (70 degrees Fahrenheit, adjustable) shall cause primary damper to modulate towards its maximum heating CFM. An increase in room temperature above heating setpoint shall cause primary damper to modulate towards its minimum heating CFM. If supply temperature decreases below 70 degrees Fahrenheit, the unit shall changeover back to the cooling mode.

E. RESTROOM EXHAUST FAN CONTROL (EF-1)

Interlock fan operation with the lighting control panel. Fan shall operate during occupied hours.

MINI SPLIT INDOOR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	UNIT TYPE	ASSOCIATED OUTDOOR UNIT	SUPPLY CFM	COOLING EAT (°F DB)	COOLING EAT (°F WB)	HEATING EAT (°F DB)	HEATING EAT (°F WB)	ELECTRICAL V/PH	ELECTRICAL MCA	ELECTRICAL MOCP	WEIGHT (LBS)	NOTES
FCU-1	MITSUBISHI	TPEADA018	HORIZONTAL DUCTED	CU-1	600	80	67	70	60	208/1	2.4	-	60	ALL
FCU-2	MITSUBISHI	TPKADA012	HIGH WALL	CU-2	455	80	67	70	60	208/1	1.0	-	30	ALL
FCU-3	MITSUBISHI	TPEADA018	HORIZONTAL DUCTED	CU-3	600	80	67	70	60	208/1	2.4	-	60	ALL

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT ORDERED. THE MANUFACTURERS MATERIAL AND ACCESSORIES TO BE LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. REFER TO MINI SPLIT OUTDOOR UNIT SCHEDULE FOR ADDITIONAL INFORMATION.
B. INDOOR UNIT POWERED THROUGH OUTDOOR UNIT. WIRING BETWEEN INDOOR AND OUTDOOR UNITS PROVIDED BY DIVISION 26 CONTRACTOR. COORDINATE CONDUCTOR QUANTITY WITH MANUFACTURER'S REQUIREMENTS.
C. DISCONNECT SWITCH FOR INDOOR UNIT PROVIDED BY DIVISION 26 CONTRACTOR.
D. COORDINATE SIZE OF CONDUCTOR TERMINATION LUGS WITH CONDUCTOR SIZES SHOWN ON ELECTRICAL DRAWINGS.
E. STARTERS FOR ALL MOTORS SHALL BE PROVIDED INTEGRAL WITH UNIT.
F. CONTRACTOR SHALL VERIFY WITH EQUIPMENT SUPPLIER EXACT ROUTING AND SIZE OF INSULATED REFRIGERANT PIPING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
G. PROVIDE WITH FLOAT SWITCH IN PRIMARY DRAIN PAN TO SHUT OFF UNIT WHEN WATER DOES NOT DRAIN PROPERLY.
H. PROVIDE WITH BACNET COMPATIBLE HARD-WIRED WALL-MOUNTED CONTROLLER BY UNIT MANUFACTURER.
J. CONDENSATE PUMP PROVIDED BY DIVISION 22 CONTRACTOR.

TRANE CONTACT INFORMATION:
MATT BASKERVILLE:
PHONE 704-650-2653
EMAIL MJBASKERVILLE@TRANE.COM

MINI SPLIT OUTDOOR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	ASSOCIATED INDOOR UNIT	REFR TYPE	COOLING AMBIENT (°F DB)	COOLING TOTAL (MBH)	COOLING SENSIBLE (MBH)	COOLING (SEER2)	HEAT PUMP HEATING MIN OUT (MBH)	HEAT PUMP HEATING AMBIENT (°F DB)	HEAT PUMP HEATING (HSPF)	ELECTRICAL V/PH	ELECTRICAL MCA	ELECTRICAL MOCP	WEIGHT (LBS)	NOTES
CU-1	MITSUBISHI	TRUZA018	FCU-1	R-454B		18	10.6	14.3	4.4		7.5	208/1	11	15	100	ALL
CU-2	MITSUBISHI	TRUYA012	FCU-2	R-454B		12	13.9	14.3	7.8		7.5	208/1	11	15	100	ALL
CU-3	MITSUBISHI	TRUZA018	FCU-3	R-454B		18	13.9	14.3	0		7.5	208/1	11	15	100	ALL

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NOTES:

A. REFER TO MINI SPLIT INDOOR UNIT SCHEDULE FOR ADDITIONAL INFORMATION.
B. INDOOR UNIT POWERED THROUGH OUTDOOR UNIT. WIRING BETWEEN INDOOR AND OUTDOOR UNITS PROVIDED BY DIVISION 26 CONTRACTOR. COORDINATE CONDUCTOR QUANTITY WITH MANUFACTURER'S REQUIREMENTS.
C. EQUIPMENT CAPACITY SCHEDULED IS MINIMUM CAPACITY THAT MUST BE PROVIDED AT AMBIENT TEMPERATURE INDICATED.
D. CONTRACTOR SHALL VERIFY WITH EQUIPMENT SUPPLIER EXACT ROUTING AND SIZE OF INSULATED REFRIGERANT PIPING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
E. DISCONNECT SWITCH PROVIDED BY DIVISION 26 CONTRACTOR.
F. COORDINATE SIZE OF CONDUCTOR TERMINATION LUGS WITH CONDUCTOR SIZES SHOWN ON ELECTRICAL DRAWINGS.
G. STARTERS FOR ALL MOTORS SHALL BE PROVIDED INTEGRAL WITH UNIT.
H. PROVIDE CONDENSER COIL HAIL GUARDS.
J. PROVIDE PRE-ENGINEERED ROOF EQUIPMENT SUPPORTS WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF [8 INCHES][16 INCHES] ABOVE FINISHED ROOF SURFACE. COORDINATE WITH ROOF INSULATION THICKNESS AND ROOF TAPER AT INSTALLED LOCATION.
K. PROVIDE LOW AMBIENT KIT FOR COOLING OPERATION DOWN TO 0°F.
L. SELECT EQUIPMENT FOR ELEVATION OF 1010 FEET ABOVE SEA LEVEL.

OUTSIDE AIR REQUIREMENTS, IMC-2021 (IP)

SYSTEM DESIGNATION	SYSTEM TAB NAME OR LIST 'SINGLE'	SINGLE-ZONE SYSTEMS ONLY: SINGLE-ZONE SYSTEM ASSOCIATED VENTILATION ZONE	SINGLE-ZONE SYSTEMS ONLY: SINGLE ZONE WORST CASE ZONE AIR DISTRIBUTION EFFECTIVENESS [Ez]	MULTI-ZONE SYSTEMS ONLY: SYSTEM VENTILATION EFFICIENCY [Ev]	FLOOR AREA SERVED BY SYSTEM [As] (SF)	SYSTEM AVERAGED AREA-BASED OUTDOOR AIR RATE (CFM/SF)	SYSTEM POPULATION [Ps] (PEOPLE)	SYSTEM AVERAGED PEOPLE-BASED OUTDOOR AIR RATE (CFM/P)	REQUIRED OA INTAKE FLOW [Vot] (CFM)	REQUIRED DCV OA INTAKE FLOW [Vot] (CFM)	DESIGN OA INTAKE FLOW [Vot] (CFM)	NOTES
RTU-1	MULTIZONE (RTU-1)	-	-	0.90	2,459	0.060	26	5.00	306	N/A	310	1,2
RTU-2	MULTIZONE (RTU-2)	-	-	0.84	1,381	0.051	7	5.00	122	N/A	130	1,2
FCU-1	MULTIZONE (FCU-1)	-	-	1.00	308	0.000	0	0.00	0	N/A	0	1,2
FCU-2	SINGLE ZONE	102 - ATM ROOM	0.80	-	170	0.000	0	0.00	0	0	0	1,2,3
FCU-3	MULTIZONE (FCU-3)	-	-	1.00	132	0.000	0	0.00	0	N/A	0	1,2
								TOTALS	428	0	440	

GENERAL NOTES:
1. VENTILATION CALCULATIONS BASED ON IMC-2021.
2. SYSTEM POPULATIONS BASED ON MAX SEATING AND/OR CODE MAXIMUM VALUES.
3. SINGLE ZONE SYSTEMS (Vot = Voz): SYSTEM VENTILATION EFFICIENCY CALCULATION IS NOT REQUIRED FOR SINGLE ZONE SYSTEMS. WORST CASE AIR DISTRIBUTION EFFECTIVENESS BETWEEN HEATING AND COOLING MODES OF OPERATION IS SHOWN IN TABLE.

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

MARK	MANUFACTURER	SERVICE	MODEL	CONSTRUCTION TYPE	FACE TYPE	MOUNTING LOCATION	BORDER TYPE	FACE SIZE (IN)	MAX. NC.	MAX. PRESS. DROP (IN. W.C.)	NOTES
CD-1	TITUS	SUPPLY	OMNI	STEEL	PLAQUE	CEILING	--	24x24	25	0.1	A - C, F - H
CD-2	TITUS	SUPPLY	OMNI	STEEL	PLAQUE	CEILING	--	12x12	25	0.1	A - C, F - H
SR-1	TITUS	SUPPLY	300RS	STEEL	LOUVERED	WALL	--	REFER TO PLANS	25	0.1	B, C, E, H
RG-1	TITUS	RETURN	50F	ALUMINUM	EGGCRATE	CEILING	--	24x24	25	0.1	B, C, F - H
RG-2	TITUS	RETURN	50F	ALUMINUM	EGGCRATE	CEILING	--	12x24	25	0.1	B, C, F - H
RG-3	TITUS	RETURN	350RL	STEEL	LOUVERED	WALL	--	REFER TO PLANS	25	0.1	B - D, G, H
AS-1	N/A	RETURN	ARCH SLOT	N/A	ARCH REVEAL	FELT WALL	--	1" ARCH SLOT	25	0.1	L
LS-1	TITUS	SUPPLY	FLOWBAR FL-10-JT	ALUMINUM	LINEAR SLOT	CEILING/WALL	22	1" LINEAR SLOT	25	0.1	G - J
PD-1	TITUS	SUPPLY	FBPI-10	STEEL	1" PLENUM	LINEAR SLOT	--	4'-0" NOMINAL	25	0.1	B, J, K
EG-1	TITUS	EXHAUST	50F	ALUMINUM	EGGCRATE	CEILING	--	12x12	25	0.1	B, C, F - H
EG-2	TITUS	EXHAUST	350RL	STEEL	LOUVERED	WALL/DUCT	--	REFER TO PLANS	25	0.1	B - D, G, H

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:

A. 4-WAY THROW PATTERN UNLESS OTHERWISE INDICATED BY FLOW ARROWS ON DRAWINGS.
B. NECK SIZE SHOWN ON DRAWINGS. PROVIDE BRANCH DUCT TO MATCH NECK SIZE UNLESS OTHERWISE SHOWN ON DRAWINGS.
C. BAKED ENAMEL FINISH, COLOR TO MATCH WALL, DUCT, AND/OR CEILING COLOR. COORDINATE WITH ARCHITECT PRIOR TO ORDERING.
D. FRONT BLADES PARALLEL TO LONG DIMENSION. COORDINATE EXACT LOCATIONS PRIOR TO INSTALLATION.
E. FRONT BLADES PARALLEL TO SHORT DIMENSION. PROVIDE OPPOSED BLADE DAMPER ADJUSTABLE FROM FACE OF DEVICE. AIR BLADES SHALL BE DIRECTED AT 22.5° TOWARDS THE FINISHED FLOOR.
F. PROVIDE WITH RAPID MOUNT FRAMING OPTION FOR LAY-IN TYPE DIFFUSERS INSTALLED IN A HARD CEILING.
G. FRAME TYPE TO MATCH CEILING/WALL CONSTRUCTION. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING/WALL PLAN.
H. PROVIDE DIFFUSERS AND GRILLES WITH NO EXPOSED MOUNTING SCREWS. COORDINATE WITH MANUFACTURER FOR NECESSARY MOUNTING BRACKETS OR ACCESSORIES.
J. PAINT ALL INTERIOR SURFACES SLOTS, GRILLES AND PLENUMS FLAT BLACK.
K. SUPPLY PLENUM MAY BE FIELD FABRICATED BASED ON PROVIDED DETAILS, OR PURCHASED FROM THE SLOT DIFFUSER MANUFACTURER. PROVIDE 1/4" CLOSED CELL INSULATION ON THE INTERIOR OF THE SUPPLY PLENUM.
L. AS INDICATES AN ARCHITECTURAL SLOT PROVIDED BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION. ARCHITECTURAL SLOT DOES NOT REQUIRE A LINEAR SLOT DIFFUSER.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
ROBERT W HARRIS JR
NUMBER E-2000172990
REGISTERED PROFESSIONAL ENGINEER
03/04/2026

ROBERT W. HARRIS
LICENSE # E-2000172990

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO

COM*check* Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	2550004415 - Bank of America - Lees Summit
Location:	Lees Summit, Missouri
Climate Zone:	4a
Project Type:	New Construction

Construction Site: Owner/Agent: Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed
High Performance HVAC, 1.0 credit

Mechanical Systems List

Quantity **System Type & Description**

1 RTU-1 (Multiple-Zone w/ PerimeterSystem):
Heating: 1 each - Unit Heater, Electric, Capacity = 73 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 65 kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 12.40 EER, Required Efficiency = 12.32 EER
Proposed Part Load Efficiency = 15.50 IEER, Required Part Load Efficiency = 14.10 IEER
Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
FAN 1 Supply, Constant Volume, 2200 CFM, 3.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency , fan exception: Single fan <= 5HP

1 RTU-2 (Multiple-Zone w/ PerimeterSystem):
Heating: 1 each - Unit Heater, Electric, Capacity = 36 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Single Package DX Unit, Capacity = 30 kBtu/h, Air-Cooled Condenser, Unknown Economizer
Proposed Efficiency = 15.40 SEER, Required Efficiency = 15.40 SEER
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: FAN SYSTEM 2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
FAN 2 Supply, Constant Volume, 1125 CFM, 3.0 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency , fan exception: Single fan <= 5HP

1 FCU-1 (Single Zone w/ PerimeterSystem):
Heating: 1 each - Unit Heater, Electric, Capacity = 18 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Split System, Capacity = 18 kBtu/h, Air-Cooled Condenser, Unknown Economizer
Proposed Efficiency = 14.30 SEER, Required Efficiency = 14.30 SEER
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: FAN SYSTEM 3 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
FAN 3 Supply, Constant Volume, 600 CFM, 0.5 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency , fan exception: Single fan <= 5HP

1 FCU-2 (Single Zone w/ PerimeterSystem):
Heating: 1 each - Unit Heater, Electric, Capacity = 12 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Split System, Capacity = 12 kBtu/h, Air-Cooled Condenser, Unknown Economizer
Proposed Efficiency = 14.30 SEER, Required Efficiency = 14.30 SEER
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: FAN SYSTEM 4 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Quantity **System Type & Description**

Fans:
FAN 4 Supply, Constant Volume, 455 CFM, 0.5 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency , fan exception: Single fan <= 5HP

1 FCU-3 (Single Zone w/ PerimeterSystem):
Heating: 1 each - Unit Heater, Electric, Capacity = 18 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Split System, Capacity = 18 kBtu/h, Air-Cooled Condenser, Unknown Economizer
Proposed Efficiency = 14.30 SEER, Required Efficiency = 14.30 SEER
Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00
Fan System: FAN SYSTEM 5 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Fans:
FAN 5 Supply, Constant Volume, 600 CFM, 0.5 motor nameplate hp, 0.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency , fan exception: Single fan <= 5HP

1 Water Heater:
Electric Storage Water Heater, Capacity: 10 gallons w/ Circulation Pump
No minimum efficiency requirement applies

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2018 IECC requirements in COM*check* Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jon Kane - Mechanical Designer — Jon Kane — 01/29/2026
Name - Title Signature Date

COM*check* Software Version COMcheckWeb

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 100.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR2][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C103.2 [PR3][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C406 [PR9][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C403.12.2 [FO9][1]	Snow/ice melting system and freeze protection systems have sensors and controls configured to limit service for pavement temperature and outdoor temperature. future connection to controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.12.3 [FO9][1]			

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Plumbing Rough-In Inspection	Complies?	Comments/Assumptions
C404.5, C404.5.1, C404.5.2 [PL6][1]	Heated water supply piping conforms to pipe length and volume requirements. Refer to section details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.6.1, C404.6.2 [PL3][1]	Automatic time switches installed to automatically switch off the recirculating hot-water system or heat trace.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.6.3 [PL7][1]	Pumps that circulate water between a heater and storage tank have controls that limit operation from startup to <= 5 minutes after end of heating cycle.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.7 [PL8][1]	Demand recirculation water systems have controls that start the pump upon receiving a signal from the action of a user of a fixture or appliance and limits the temperature of the water entering the cold-water piping to 104°F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C402.2.6 [ME41][1]	Thermally ineffective panel surfaces of sensible heating panels have insulation >= R-3.5.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.11.3 [ME61][2]	HVAC piping insulation insulated in accordance with Table C403.11.3. Insulation exposed to weather is protected from damage and is provided with shielding from solar radiation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.4 [ME142][2]	Motors for fans that are not less than 1/12 hp and less than 1 hp are electronically commutated motors or have a minimum motor efficiency of 70 percent. These motors have the means to adjust motor speed.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.8.5 [ME143][2]	Each DX cooling system > 65 kBtu and chiller water/evaporative cooling system with fans > 1/4 hp are designed to vary the indoor fan airflow as a function of load and comply with detailed requirements of this section.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.12.1 [ME71][2]	Systems that heat outside the building envelope are radiant heat systems controlled by an occupancy sensing device or timer switch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.2.1 [ME112][1]	Zone isolation devices and controls installed where applicable.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5.5 [ME113][2]	Fault detection and diagnostics installed with air-cooled unitary DX units having economizers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.2 [ME59][1]	Natural or mechanical ventilation is provided in accordance with International Mechanical Code Chapter 4. Mechanical ventilation has capability to reduce outdoor air supply to minimum per IMC Chapter 4.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.1 [ME59][1]	Demand control ventilation provided for spaces >500 ft2 and >25 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.2 [ME115][1]	Enclosed parking garage ventilation has automatic contaminant detection and capacity to stage or modulate fans to 50% or less of design capacity.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.7.3 [ME140][1]	Units that provide ventilation air to multiple zones and operate in combination with zone heating and cooling systems do not use heating or heat recovery to warm supply air to a temperature greater than 60°F when representative building loads or outdoor air temperatures indicate that the majority of zones require cooling.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.7.6 [ME141][1]	HVAC systems serving guestrooms in Group R-1 buildings with > 50 guestrooms: Each guestroom is provided with controls that automatically manage temperature setpoint and ventilation (see sections C403.7.6.1 and C403.7.6.2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.7.4 [ME57][1]	Exhaust air energy recovery on systems meeting Table C403.7.4(1) and C403.7.4(2).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Where the largest exhaust source is less than 75% of the design outdoor airflow.
C403.7.5 [ME116][1]	Kitchen exhaust systems comply with replacement air and conditioned supply air limitations, and satisfy hood rating requirements and maximum exhaust rate criteria.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.11.1 C403.11.2 [ME60][1]	HVAC ducts and plenums insulated in accordance with C403.11.1 and constructed in accordance with C403.11.2, verification may need to occur during Foundation Inspection.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5, C403.5.1, C403.5.2 [ME62][1]	Air economizers provided where required, meet the requirements for design capacity, control signal, ventilation controls, high-limit shut-off, integrated economizer control, and provide a means to relieve excess outside air during operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5.3.3 [ME124][1]	Air economizers automatically reduce outdoor air intake to the design minimum outdoor air quantity when outdoor air intake will not reduce cooling energy usage. See Table C403.5.3.3 for applicable device types and climate zones.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5.3.4 [ME125][1]	System capable of relieving excess outdoor air during air economizer operation to prevent overpressurizing the building. The relief air outlet located to avoid recirculation into the building.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5.3.5 [ME126][1]	Return, exhaust/relief and outdoor air dampers used in economizers have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Reference section C403.7.7 for details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.1 [ME75][2]	Hydronic and multizone HVAC system controls areVAV fans driven by mechanical or electrical variable speed drive per Table C403.4.1.1.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.4.1.2 [ME67][2]	VAV fans have static pressure sensors located so controller setpoint <=1.2 w.c..	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.3 [ME24][2]	Reset static pressure setpoint for DDC controlled VAV boxes reporting to central controller based on the zones requiring the most pressure.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.6.1 [ME130][1]	Supply air systems serving multiple zones have VAV systems with controls configured to reduce the volume of air that is reheated, recooled or mixed in each zone. See section for details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.6.2 [ME131][1]	Single-duct VAV systems use terminal devices configured to reduce the supply of primary supply air before reheating or recooling takes place.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.6.3 [ME132][1]	Systems that have 1 warm air duct and 1 cool air duct use terminal devices configured to reduce the flow from one duct to a minimum before mixing of air from the other duct takes place.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.6.4 [ME133][1]	Individual dual-duct or mixing heating and cooling systems with a single fan and with total capacities > 90,000 Btu/h not equipped with air economizers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.6.5 [ME134][1]	Multiple zone HVAC systems have supply air temperature reset controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.6.7 [ME136][1]	Parallel-flow fan-powered VAV air terminals have automatic controls configured to 1) turn off the terminal fan except when space heating is required or where required for ventilation, 2) turn on the terminal fan as the first stage of heating before the heating coil is activated, and 3) during heating for warmup or setback temperature control, either operate the terminal fan and heating coil without primary air or, reverse the terminal damper logic and provide heating from the central air handler by primary air.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C403.6.8 [ME137][1]	Systems with DDC of individual zones reporting to the central control panel configured to reset the static pressure setpoint based on zone requiring the most pressure. The DDC is capable of monitoring zone damper positions or have an alternative method of indicating the need for static pressure. See section for details.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.6.9 [ME138][1]	Static pressure sensors used to control VAV fans located such that the controller setpoint is <= 1.2 inches w.c.. Where this results in one or more sensors being located downstream of major duct splits, not less than one sensor located on each major branch.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.6.6 [ME135][1]	Multiple zone VAV systems with DDC of individual zone boxes have static pressure setpoint reset controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values.*

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
ROBERT W HARRIS JR
NUMBER E-2000172990
PROFESSIONAL ENGINEER
03/04/2026

ROBERT W. HARRIS
LICENSE # E-2000172990

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

Owner Approval

2550004415 Not to Scale
Job No. Scale

MECHANICAL ENERGY COMPLIANCE FORMS

M07.00

ROBERT W. HARRIS

Section # & Req.ID	Mechanical Rough-In Inspection	Complies?	Comments/Assumptions
C403.4.1.4 [ME63][3]	Heating for vestibules and air curtains with integral heating include automatic controls that shut off the heating system when outdoor air temperatures > 45F. Vestibule heating and cooling systems controlled by a thermostat in the vestibule with heating setpoint <= 60F and cooling setpoint >= 80F.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.3.3 [ME35][3]	Hot gas bypass limited to: <=240 kBtu/h ~ 50% >240 kBtu/h ~ 25%	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.2.1 [ME53][3]	Air outlets and zone terminal devices have means for air balancing.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.5, C403.5.1, C403.5.2 [ME123][3]	Refrigerated display cases, walk-in coolers or walk-in freezers served by remote compressors and remote condensers not located in a condensing unit, have fan-powered condensers that comply with Sections C403.5.1 and refrigeration compressor systems that comply with C403.5.2..	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.6 [EL26][3]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.7 [EL27][3]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.8.2, C405.8.2.1 [EL28][3]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C405.9 [EL29][3]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.3 [FI8][3]	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.2 [FI27][3]	HVAC systems and equipment capacity does not exceed calculated loads.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1 [FI47][3]	Heating and cooling to each zone is controlled by a thermostat control. Minimum one humidity control device per installed humidification/dehumidification system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.4.1.2 [FI38][3]	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.1.3 [FI20][3]	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2 [FI39][3]	Each zone equipped with setback controls using automatic time clock or programmable control system.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.1, C403.2.4.2.2 [FI40][3]	Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C403.2.4.2.3 [FI41][3]	Systems include optimum start controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.3 [FI11][3]	Heat traps installed on supply and discharge piping of non-circulating systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.4 [FI25][3]	All piping insulated in accordance with section details and Table C403.11.3.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C404.6.1 [FI12][3]	Controls are installed that limit the operation of a recirculation pump installed to maintain temperature of a storage tank. System return pipe is a dedicated return pipe or a cold water supply pipe.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C408.1.1 [FI57][3]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
C408.2.1 [FI28][3]	Commissioning plan developed by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3.1 [FI31][3]	HVAC equipment has been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3.2 [FI10][3]	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.3.3 [FI32][3]	Economizers have been tested to ensure proper operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.4 [FI29][3]	Preliminary commissioning report completed and certified by registered design professional or approved agency.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.1 [FI7][3]	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.3 [FI43][3]	An air and/or hydronic system balancing report is provided for HVAC systems.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.4 [FI30][3]	Final commissioning report due to building owner within 90 days of receipt of certificate of occupancy.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
ROBERT W HARRIS JR
NUMBER E-2000172990
PROFESSIONAL ENGINEER
03/04/2026

ROBERT W. HARRIS
LICENSE # E-2000172990

1 CD_F 02/25/2026

DELTA ISSUE DESCRIPTION DATE

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM

2550004415
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

Owner Approval

2550004415 Not to Scale
Job No. Scale

MECHANICAL ENERGY COMPLIANCE FORMS

M07.01

ROBERT W. HARRIS

GENERAL NOTES:

1. PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" DOCUMENTS TO THE ARCHITECT REFLECTING ANY VARIANCES OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS, REFER TO SPECIFICATIONS.
2. PROVIDE TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS, REFER TO SPECIFICATIONS.
3. INSTALLATION SHALL MEET ALL REQUIREMENTS OF THE LANDLORD. OBTAIN A COPY OF THE LANDLORD'S REQUIREMENTS AND REVIEW PRIOR TO SUBMITTING BID.
4. PLANS AND SPECIFICATIONS GOVERN WHERE THEY EXCEED CODE REQUIREMENTS.
5. VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AT POINTS OF CONNECTION BEFORE START OF PIPING INSTALLATION.
6. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES.
7. DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING.
8. INSTALL CONCEALED PIPING TIGHT TO THE STRUCTURE AND AS HIGH AS POSSIBLE.
9. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
10. INSTALL EXPOSED PIPING, WHERE NECESSARY, IN FINISHED AREAS TIGHT TO THE STRUCTURE, WALL OR CEILING AND AS HIGH AS POSSIBLE. INSTALL PIPING PARALLEL AND / OR PERPENDICULAR TO WALLS.
11. INSTALL VALVES AND APPURTENANCES A MAXIMUM OF 24" ABOVE CEILING IN ACCESSIBLE LOCATION WITHIN 24" OF ACCESS DOORS OR ACCESSIBLE CEILING TILES. PROVIDE PIPE AND FITTINGS TO INSTALL VALVES AND APPURTENANCES AT REQUIRED HEIGHT AND WITHIN 24" OF ACCESS DOORS OR ACCESSIBLE CEILING TILES.
12. INSTALL NO PLASTIC PIPE IN THE CEILING RETURN AIR PLENUM.
13. COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
14. COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTING, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE SLEEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED.
15. CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
16. PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES.
17. COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT INSTALL PIPING OVER ELECTRICAL PANELS.
18. COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRADES. MAINTAIN 10' MINIMUM CLEARANCE FROM ALL AIR INTAKES. MAINTAIN 2' CLEARANCE FROM ALL OTHER EQUIPMENT.
19. INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WITH MINIMUM 2" BATT INSULATION TO PREVENT FREEZING.
20. PROVIDE "HEAVY-DUTY" NO-HUB COUPLINGS ON STORM PIPING, INCLUDING CONNECTIONS TO ROOF DRAINS. SEE DIVISION 22 SPECIFICATION SECTION "STORM DRAINAGE PIPING AND SPECIALTIES" FOR MORE INFORMATION.
21. PROVIDE TRANSITION ADAPTER COUPLINGS FOR CONNECTION OF PVC DWV TO CAST IRON SANITARY, WASTE AND VENT PIPE AT SLAB ON GRADE. SEE DIVISION 22 SPECIFICATION SECTION "SANITARY DRAINAGE AND VENT PIPING AND SPECIALTIES" FOR MORE INFORMATION.
22. PROVIDE TRANSITION ADAPTER COUPLINGS FOR CONNECTION OF PVC DWV TO CAST IRON STORM PIPE AT SLAB ON GRADE. SEE DIVISION 22 SPECIFICATION SECTION "STORM DRAINAGE PIPING AND SPECIALTIES" FOR MORE INFORMATION.
23. WATER HAMMER ARRESTORS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE.
24. PROVIDE VERTICAL LIFT SPRING LOADED CHECK VALVES IN HOT AND COLD WATER SUPPLIES FOR MOP SINK FAUCETS DOWNSTREAM OF SHUTOFF VALVES.
25. PROVIDE SIZE AND LENGTH OF HOT WATER FIXTURE SUPPLY PIPE FROM CIRCULATED HOT WATER BRANCH OR MAIN TO TERMINATION OF HOT WATER FIXTURE SUPPLY PIPE AT EACH FIXTURE PER 2018 INTERNATIONAL ENERGY CONSERVATION CODE, TABLE C404.5.1. FOR 1/2" HOT WATER FIXTURE SUPPLY PIPE SIZE TO INDIVIDUAL LAVATORIES, PROVIDE MAXIMUM LENGTH OF TWO FEET. FOR 1/2" HOT WATER FIXTURE SUPPLY PIPE SIZE TO INDIVIDUAL SINKS, PROVIDE MAXIMUM LENGTH OF 43 FEET. FOR 3/4" HOT WATER FIXTURE SUPPLY PIPE SIZE TO INDIVIDUAL SINKS, PROVIDE MAXIMUM LENGTH OF 21 FEET.
26. PAINT EXPOSED INDOOR WATER PIPING IN FINISHED SPACES. COORDINATE PAINT AND COLOR WITH THE ARCHITECT AND / OR OWNER.
27. PROVIDE SEISMIC RESTRAINTS AS NEEDED FOR THE MECHANICAL SYSTEMS IN THE PROJECT BASED ON THE SEISMIC ANALYSIS REQUIRED BY THE SPECIFICATIONS.
28. INSTALL OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT AND PIPING FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF EXCEPT WHERE CONCRETE INSERTS IN CONCRETE SLABS ARE ALLOWED BY THE SPECIFICATIONS.
29. SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.

APPLICABLE PLUMBING CODES:

THE PROJECT IS DESIGNED IN COMPLIANCE WITH THE FOLLOWING CODES. THIS IS NOT AN EXHAUSTIVE LIST. ALL WORK FOR PROJECT SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS AND LOCAL REQUIREMENTS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

PLUMBING CODE: **2018 INTERNATIONAL PLUMBING CODE**
BUILDING CODE: **2018 INTERNATIONAL BUILDING CODE**
ENERGY CODE: **2018 INTERNATIONAL ENERGY CONSERVATION CODE**

PLUMBING SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED. V2.02

STANDARD MOUNTING HEIGHTS

CLINIC SERVICE SINKS (RIM)	30"
HOSE BIBB (CENTERLINE)	36"
ICE MAKER OUTLET BOX (CENTER OF BOX)	24"
JANITOR'S SINK FAUCET FITTINGS (CENTERLINE)	42"
LAVATORY OR SINK	
STANDARD HEIGHT (RIM)	31"
ADA ACCESSIBLE (RIM)	34"
CHILD HEIGHT (RIM)	24"
NON FREEZE WALL HYDRANT (AFG TO CENTERLINE)	18"
SHOWER HEAD	
MEN (CENTERLINE)	78"
WOMEN (CENTERLINE)	72"
SHOWER VALVE	
STANDARD HEIGHT - MEN (CENTERLINE)	48"
STANDARD HEIGHT - WOMEN (CENTERLINE)	42"
ADA ACCESSIBLE (CENTERLINE)	38" TO 48"
SURGEON'S SCRUB-UP SINK (FRONT RIM)	35"
TUB VALVE	
STANDARD HEIGHT (CENTERLINE)	32"
ADA ACCESSIBLE	CENTER BETWEEN GRAB BAR AND TUB RIM
URINAL	
STANDARD HEIGHT (RIM)	24"
ADA ACCESSIBLE (RIM)	17"
CHILD HEIGHT (RIM)	14"
WASHING MACHINE OUTLET BOX (RIM)	42"
WATER CLOSET	
STANDARD HEIGHT (RIM)	15"
ADA ACCESSIBLE (TOP OF SEAT)	17" TO 19"
CHILD HEIGHT (RIM)	10"
WATER COOLER OR DRINKING FOUNTAIN	
STANDARD HEIGHT (SPOUT)	41"
ADA ACCESSIBLE (SPOUT)	36"
CHILD HEIGHT (SPOUT)	30"

INSTALL PLUMBING FIXTURES AT THE MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE ARCHITECTURAL DRAWINGS OR ELSEWHERE IN THE CONSTRUCTION DOCUMENTS. FINAL APPROVAL OF LOCATIONS BY ARCHITECT. MOUNTING HEIGHTS LISTED ABOVE, OR ELSEWHERE IN THE CONSTRUCTION DOCUMENTS, ARE AFF, UNO. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

ANNOTATION

- (1) PLUMBING PLAN NOTE CALLOUT
- (1) PLUMBING EQUIPMENT DESIGNATION. (CONTRACTOR FURNISHED AND INSTALLED). REFER TO PLUMBING FIXTURE OR EQUIPMENT SCHEDULES
- 1 EQUIPMENT DESIGNATION (OWNER FURNISHED, CONTRACTOR INSTALLED)
- CU 1 MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE)
- CONNECTION POINT OF NEW WORK TO EXISTING
- 1 / P1 DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
- 1 / P1 SECTION CUT DESIGNATION
- DEDICATED EQUIPMENT ACCESS TILE
- ACCESS PANEL

ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
BAS	BUILDING AUTOMATION SYSTEM
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
BTU	BRITISH THERMAL UNIT
CP	CONDENSATE PUMP
CPVC	CHLORINATED POLYVINYL CHLORIDE
CU	COPPER
DI	DUCTILE IRON
DN	DOWN
DFU	DRAINAGE FIXTURE UNIT
DS	DOWNSPOUT
(E)	EXISTING
EMS	ENERGY MANAGEMENT SYSTEM
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FF	FINISHED FLOOR
FL	FLOW LINE
FLA	FULL LOAD AMPS
FLR	FLOOR
GPM	GALLONS PER MINUTE
HD	HEAD, HUB DRAIN
HZ	HERTZ
IE	INVERT ELEVATION
IN WC	INCHES OF WATER COLUMN
JB	JUNCTION BOX
J-BOX	JUNCTION BOX
KW	KILOWATT
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MBH	1000 BTU PER HOUR
MH	MANHOLE
MIN	MINIMUM
N/C	NORMALLY CLOSED
N/O	NORMALLY OPEN
NIC	NOT IN CONTRACT
ORD	OVERFLOW ROOF DRAIN
PDI	PLUMBING DRAINAGE INSTITUTE
PH/Ø	PHASE
PRV	PRESSURE REDUCING VALVE
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
SF	SQUARE FEET
SP	SUMP
SS	STAINLESS STEEL SANITARY SEWER, SOIL STACK
TDH	TOTAL DYNAMIC HEAD
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SUPPLY
VCP	VITRIFIED CLAY PIPE
VFD	VARIABLE FREQUENCY DRIVE
VS	VENT STACK
VTR	VENT THROUGH ROOF
W/	WITH
W/O	WITHOUT
WC	WATER COLUMN
WS	WASTE STACK
WSFU	WATER SUPPLY FIXTURE UNIT
WVS	WASTE VENT STACK

PIPING SYMBOLS

- FLOOR SINK (FS), SIZE & TYPE
- FLOOR DRAIN (FD), SIZE & TYPE
- ROOF DRAIN (RD), SIZE & TYPE
- BALL VALVE
- CONTROL VALVE
- SHUTOFF VALVE
- CHECK VALVE
- BALANCING VALVE WITH PRESSURE PORTS
- WATER METER
- STRAINER
- STRAINER WITH BLOWOFF
- RELIEF/SAFETY VALVE
- SOLENOID VALVE
- PRESSURE REDUCING VALVE
- GAS PRESSURE REGULATOR
- THERMOSTATIC MIXING VALVE
- PA PIPE ANCHOR
- EXPANSION JOINT
- BACKFLOW PREVENTER
- PRESSURE GAUGE
- THERMOMETER
- UNION
- FLANGE CONNECTION
- HOSE BIBB (HB)
- NON-FREEZING WALL HYDRANT (NW)
- MANUAL / AUTOMATIC AIR VENT OR VACUUM RELIEF VALVE
- PRESSURE / VACUUM SWITCH
- CLEANOUT (CO)
- CAP
- WALL CLEANOUT (WCO)
- FLOOR CLEANOUT (FCO)
- EXTERIOR CLEANOUT (ECO)
- ELBOW UP
- ELBOW DOWN
- TEE UP
- TEE DOWN
- ELBOW UP WITH SHUT-OFF VALVE (SOV)
- ELBOW DOWN WITH SHUT-OFF VALVE (SOV)
- TEE UP WITH SHUT-OFF VALVE (SOV)
- TEE DOWN WITH SHUT OFF VALVE (SOV)
- "A" WATER HAMMER ARRESTER (WHA) WITH PDI SIZES, (A, B, C, D, & E)
- RECIRCULATION PUMP
- P-TRAP
- GAS COCK
- TRAP PRIMER
- TRAP PRIMER WITH DISTRIBUTION UNIT

PIPING LINETYPES

- CW DOMESTIC COLD WATER (CW)
- SCW SOFTENED COLD WATER (SCW)
- HW DOMESTIC HOT WATER (HW)
- HWR DOMESTIC HOT WATER RECIRC. (HWR)
- 140° DOMESTIC HOT WATER (140°)
- T TRAP PRIMER LINE (T)
- S SOIL PIPING - ABOVE FLOOR (S)
- S SOIL PIPING - BELOW FLOOR (S)
- W WASTE PIPING - ABOVE FLOOR (W)
- W WASTE PIPING - BELOW FLOOR (W)
- GW GREASE WASTE - ABOVE FLOOR (GW)
- GW GREASE WASTE - BELOW FLOOR (GW)
- CGWV COMBINATION GREASE WASTE AND VENT (CGWV)
- CWV COMBINATION WASTE AND VENT (CWV)
- ST STORM DRAIN - ABOVE FLOOR (ST)
- ST STORM DRAIN - BELOW FLOOR (ST)
- OST OVERFLOW STORM DRAIN - ABOVE FLOOR (OST)
- VBG VENT BELOW GRADE (VBG)
- VBF VENT BELOW FLOOR (VBF)
- ID INDIRECT DRAIN (ID)
- CDH CONDENSATE DRAIN - HIGH EFFICIENCY RTU (CDH)
- CD CONDENSATE DRAIN (CD)
- ACD AUXILIARY CONDENSATE DRAIN (ACD)
- SPD SUMP OR SEWAGE PUMP DISCHARGE (SPD)
- G NATURAL GAS (G)
- G NATURAL GAS ON ROOF (G)
- MPG MEDIUM PRESSURE NATURAL GAS (MPG)
- MPG MEDIUM PRESSURE NATURAL GAS ON ROOF (MPG)
- NPW NON-POTABLE WATER (NPW)
- LPG LIQUEFIED PETROLEUM GAS (LPG)
- WS WATER SERVICE (WS)
- DFP FIRE PROTECTION SPRINKLER DRY (DFP)
- FP FIRE PROTECTION SPRINKLER WET (FP)
- DSP FIRE PROTECTION STANDPIPE DRY (DSP)
- WSP FIRE PROTECTION STANDPIPE WET (WSP)
- PD CONDENSATE PUMP DISCHARGE (PD)
- V VENT PIPING (V)

LINETYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

- EXISTING
- NEW
- DEMOLISH
- FUTURE

HATCHING LEGEND

- ENLARGED PLAN
- NOT IN SCOPE (NIS)

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
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STATE OF MISSOURI
ROBERT W HARRIS JR
NUMBER E-2000172990
LICENSED PROFESSIONAL ENGINEER
03/04/2026

ROBERT W. HARRIS
LICENSE # E-2000172990

DELTA	ISSUE	DESCRIPTION	DATE
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HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

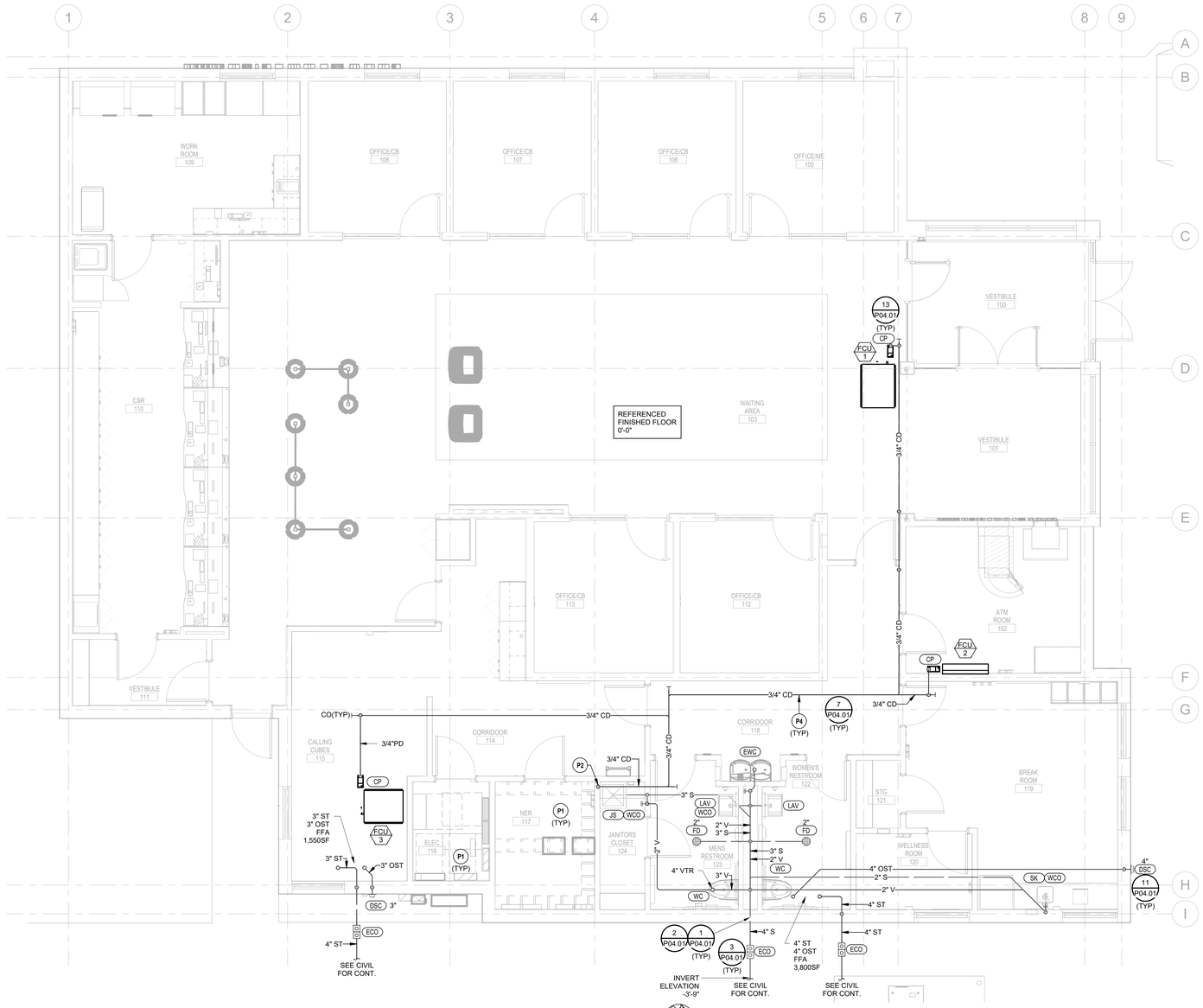
Owner Approval

2550004415 — Job No.
Not to Scale — Scale

PLUMBING GENERAL NOTES AND LEGEND

P00.00

ROBERT W. HARRIS



1 PLUMBING WASTE AND VENT PLAN
1/4" = 1'-0"

PLUMBING PLAN NOTES:

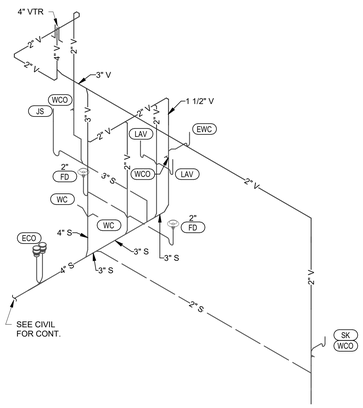
P1 DO NOT INSTALL PLUMBING PIPING OVER ELECTRICAL PANELS OR EQUIPMENT.

P2 3/4"CD DOWN IN WALL BEHIND JANITOR SINK. DISCHARGE THROUGH WALL WITH ESCUTCHEON OVER JANITOR SINK WITH AIR GAP.

P4 ROUTE CONDENSATE PIPING AS HIGH AS POSSIBLE AND AT A MINIMUM OF 1/8" PER FOOT SLOPE.

ALL SANITARY PIPING SHALL BE ROUTED AT MINIMUM 1/4" PER FOOT SLOPE.

ALL STORM DRAIN PIPING SHALL BE ROUTED AT MINIMUM 1/4" PER FOOT SLOPE.



2 WASTE & VENT RISER
NTS

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

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LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

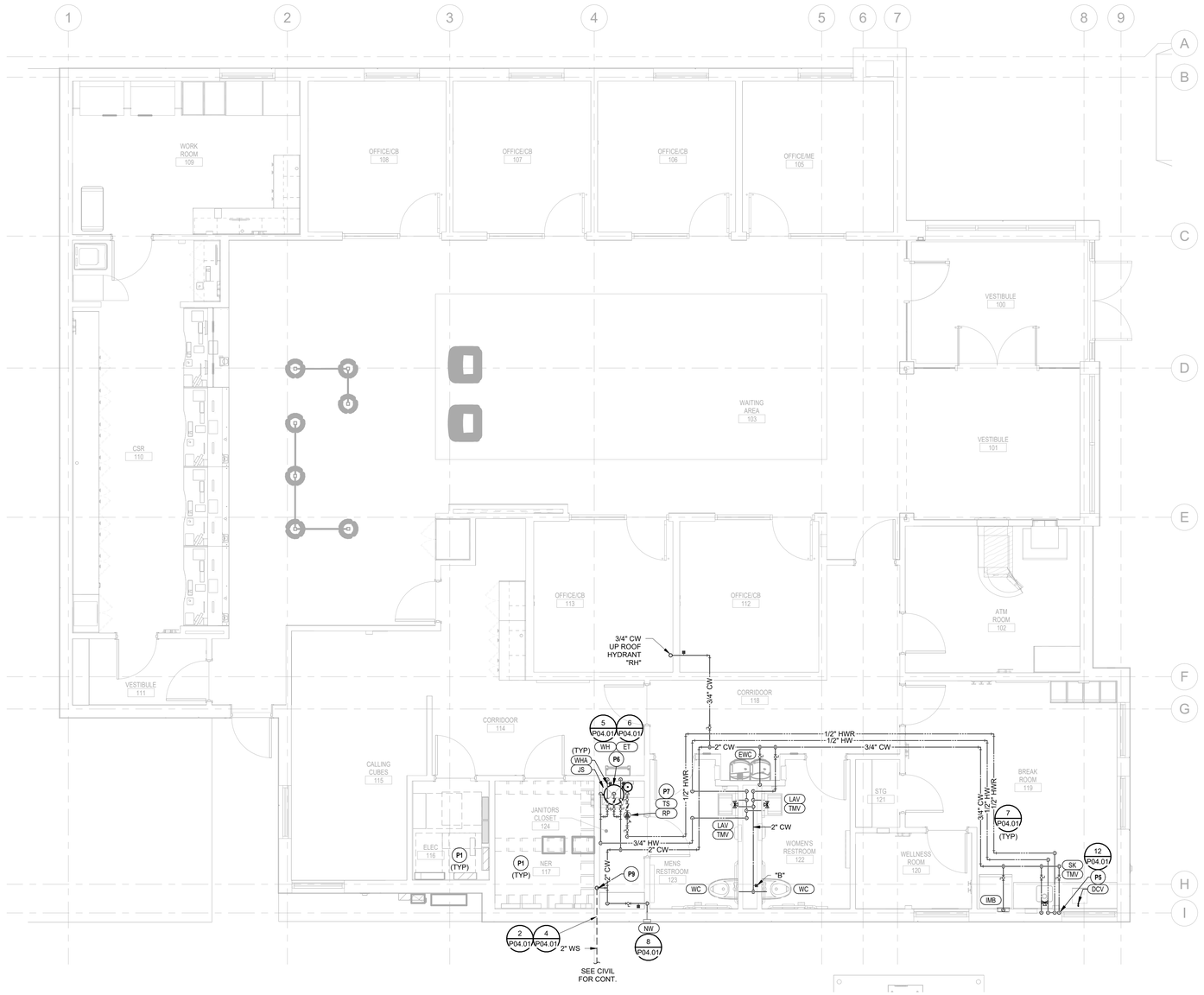
Owner Approval

2550004415 Job No.
As indicated Scale

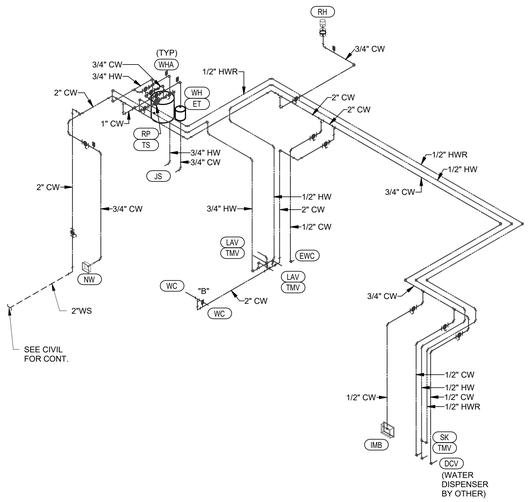
PLUMBING WASTE AND VENT PLAN

P02.01

ROBERT W. HARRIS



1 PLUMBING WATER PLAN
1/4" = 1'-0"



2 WATER RISER
NTS

PLUMBING PLAN NOTES:

P1 DO NOT INSTALL PLUMBING PIPING OVER ELECTRICAL PANELS OR EQUIPMENT.

P5 ROUTE 1/2"CW PIPING DOWN IN WALL AND STUB BELOW COUNTER WITH SHUT-OFF VALVE FOR WATER DISPENSER (PROVIDED BY OTHERS). INSTALL (DCV) IN ACCESSIBLE LOCATION.

P6 CW, HWR TO AND HW FROM WALL MOUNTED WATER HEATER. ROUTE T&P VALVE LINE AND DRAIN PAN DRAIN LINE DOWN IN WALL. DISCHARGE THROUGH WALL WITH ESCUTCHEON OVER JANITOR SINK WITH AIR GAP.

P7 SET TIMER TO START HOT WATER RECIRCULATION PUMP ONE HOUR BEFORE AND TO STOP ONE HOUR AFTER NORMAL BUSINESS HOURS. COORDINATE BUSINESS HOURS WITH OWNER/ARCHITECT.

P9 PROVIDE 2" DOMESTIC WATER SHUT-OFF VALVE IN 12" X 12" ACCESS BOX. SEE TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND FINISH REQUIREMENTS.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
ROBERT W HARRIS JR
NUMBER E-2000172990
REGISTERED PROFESSIONAL ENGINEER

03/04/2026

ROBERT W. HARRIS
LICENSE # E-2000172990

1 CD_F 02/25/2026
DELTA ISSUE DESCRIPTION DATE

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
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2550004415
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

Owner Approval
2550004415 Job No.
As indicated Scale

PLUMBING WATER PLAN

P02.02

ROBERT W. HARRIS



1 PLUMBING ROOF PLAN
1/4" = 1'-0"

PLUMBING PLAN NOTES:

P8 SCUPPER DRAIN. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DETAILS.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

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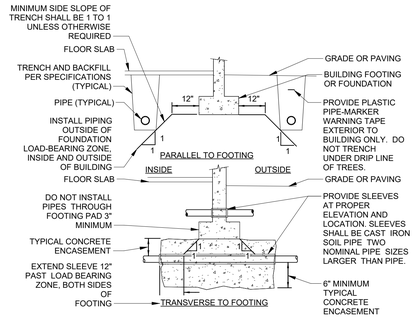
Owner Approval

2550004415 — Job No.
As indicated — Scale

PLUMBING ROOF PLAN

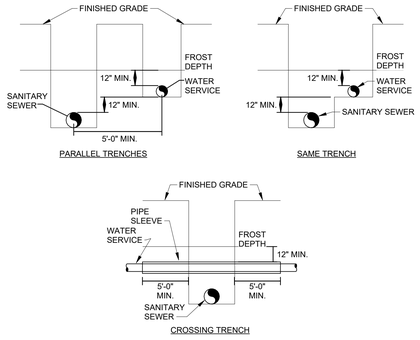
P03.01

ROBERT W. HARRIS

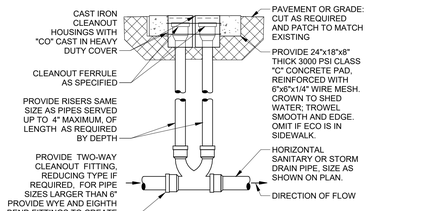


VERIFY EXCAVATION CONDITIONS (SOIL/ROCK) WITH GEOTECHNICAL REPORT AND/OR SITE INVESTIGATIONS. REFER TO SPECIFICATIONS FOR OTHER CONDITIONS. DO NOT INSTALL PIPES UNDER INTERIOR BUILDING SPREAD FOOTINGS OR PILE CAPS. COORDINATE WITH AFFECTED CONTRACTORS PRIOR TO THE START OF WORK.

1 PIPE AND TRENCH LOCATION
NTS

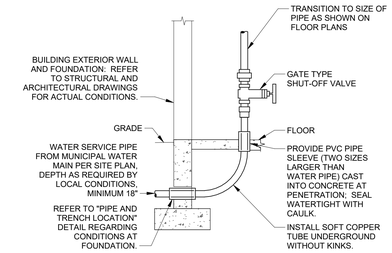


2 WATER / SANITARY SEPERATIONS
NTS



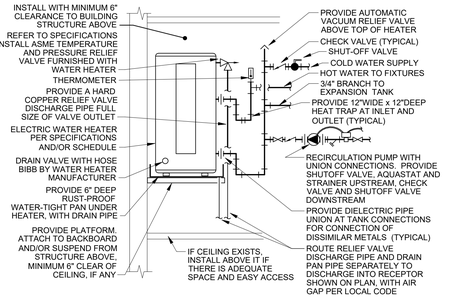
LOCATE EXTERIOR TWO-WAY CLEANOUT AT EXIT OF BUILDING DRAINS AND WHERE SHOWN ON PLAN. REFER TO SPECIFICATIONS AND SCHEDULES FOR MORE INFORMATION.

3 EXTERIOR TWO-WAY CLEANOUT
NTS



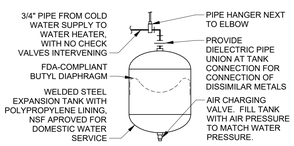
PIPING ARRANGEMENT SHOWN IS SCHEMATIC: ADJUST TO SUIT FIELD CONDITIONS.

4 DOMESTIC WATER SERVICE ENTRY
NTS



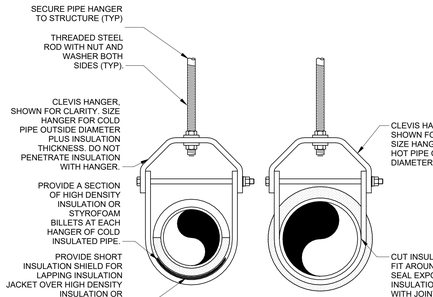
REFER TO SPECIFICATIONS, SCHEDULES AND NOTES FOR MORE INFORMATION. PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. VERIFY CONNECTION SIZES AND LOCATIONS WITH WATER HEATER FURNISHED. REFER TO FLOOR PLANS FOR PIPE SIZES. PROVIDE SEISMIC BRACE WHERE REQUIRED. PROVIDE WATER HEATER PLATFORM ATTACHED TO WALL AND/OR SUSPENDED FROM STRUCTURE ABOVE. INSTALL BOTTOM OF PLATFORM AT MINIMUM 6'-6" ABOVE FLOOR IF ABOVE JANITOR'S SINK; OTHERWISE HIGH AS POSSIBLE. POWER WIRING AND DISCONNECT ARE SPECIFIED BY ELECTRICAL. INTERLOCK OF AQUASTAT WITH RECIRCULATION PUMP IS SPECIFIED BY ELECTRICAL.

5 ELECTRIC WATER HEATER OVERHEAD WITH RECIRCULATION PUMP SYSTEM
NTS



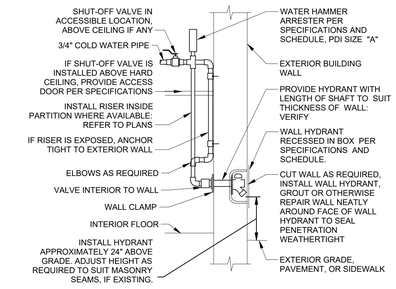
PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED. PROVIDE SEISMIC STRAP OR BRACING WHEN REQUIRED BY LOCAL AUTHORITIES.

6 SMALL EXPANSION TANK
NTS



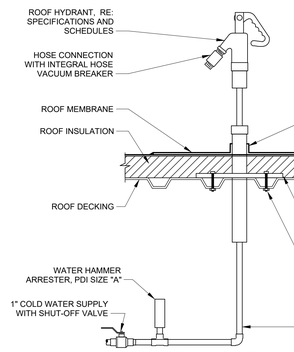
REFER TO SPECIFICATIONS FOR INSULATION TYPES, INSULATION THICKNESSES, HANGER TYPES, HANGER ROD CONNECTIONS TO STRUCTURE AND HANGER SPACING.

7 PIPE HANGER DETAIL
NTS



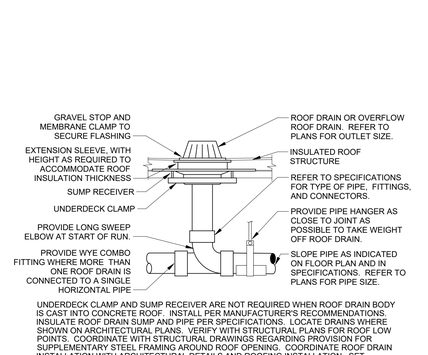
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT FIELD CONDITIONS. INSTALL PER MANUFACTURER'S INSTRUCTIONS. IN NON-FREEZING CLIMATES, PIPE MAY BE INSTALLED CONCEALED IN EXTERIOR WALL RATHER THAN EXTERIOR TO WALL AS SHOWN. REFER TO PLANS FOR LOCATION.

8 WALL HYDRANT INSTALLATION
NTS



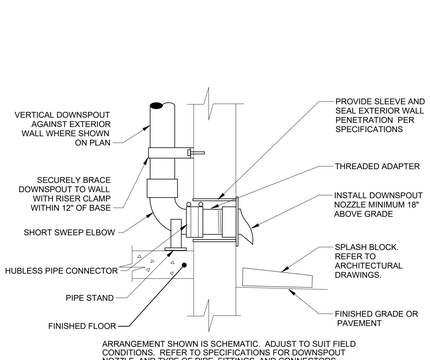
PIPING ARRANGEMENT SHOWN IS SCHEMATIC, ADJUST TO SUIT FIELD CONDITIONS. RE: FLOOR PLANS FOR LOCATION.

9 SANITARY ROOF HYDRANT
NTS



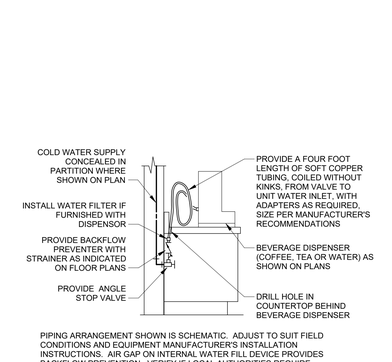
UNDERDECK CLAMP AND SUMP RECEIVER ARE NOT REQUIRED WHEN ROOF DRAIN BODY IS CAST INTO CONCRETE ROOF. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. INSULATE ROOF DRAIN SUMP AND PIPE PER SPECIFICATIONS. LOCATE DRAINS WHERE SHOWN ON ARCHITECTURAL PLANS. VERIFY WITH STRUCTURAL PLANS FOR ROOF LOW POINTS. COORDINATE WITH STRUCTURAL DRAWINGS REGARDING PROVISION FOR SUPPLEMENTARY STEEL FRAMING AROUND ROOF OPENING. COORDINATE ROOF DRAIN INSTALLATION WITH ARCHITECTURAL DETAILS AND ROOFING INSTALLATION. SET OVERFLOW DRAIN WEIR ELEVATION 2" ABOVE PRIMARY ROOF DRAIN WEIR ELEVATION.

10 ROOF DRAIN INSTALLATION
NTS



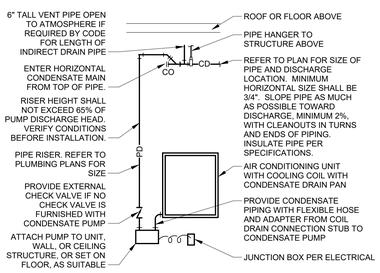
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER TO SPECIFICATIONS FOR DOWNSPOUT NOZZLE, AND TYPE OF PIPE, FITTINGS, AND CONNECTORS.

11 DOWNSPOUT NOZZLE
NTS



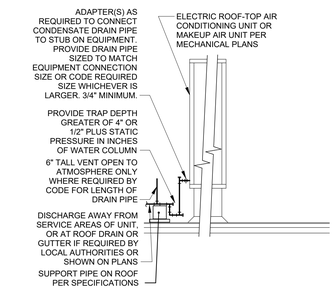
PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS AND EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. AIR GAP ON INTERNAL WATER FILL DEVICE PROVIDES BACKFLOW PREVENTION. VERIFY IF LOCAL AUTHORITIES REQUIRE SUPPLEMENTAL PROTECTION.

12 BEVERAGE DISPENSER CONNECTION
NTS



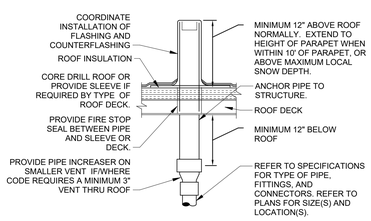
ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PROVIDE CONNECTIONS SHOWN IN EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. REFER TO SPECIFICATIONS FOR PIPE AND FITTING MATERIALS AND INSTALLATION. PROVIDE DIELECTRIC UNION IF CONNECTING DISSIMILAR METALS. FOR PIPE SIZE(S) REFER TO FLOOR PLANS, OR CODE REQUIREMENTS FOR HVAC UNIT TONNAGE. PROVIDE HANGERS OR SUPPORTS PER SPECIFICATIONS. DO NOT COMBINE CONDENSATE DRAIN PIPES WITH NON-CONDENSATE INDIRECT DRAINS.

13 CONDENSATE PUMP
NTS



ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PROVIDE CONNECTIONS SHOWN IN EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. VERIFY CONNECTION LOCATIONS BEFORE INSTALLING PIPE RUNS. REFER TO SPECIFICATIONS FOR PIPE AND FITTING MATERIALS AND INSTALLATION. PROVIDE DIELECTRIC UNION IF CONNECTING DISSIMILAR METALS. FOR PIPE SIZE(S) REFER TO FLOOR PLANS, OR CODE REQUIREMENTS FOR HVAC UNIT TONNAGE. SLOPE CONDENSATE PIPE AS MUCH AS POSSIBLE TOWARD DISCHARGE, 2% MINIMUM. PROVIDE CLEANOUTS IN ENDS AND TURNS OF PIPE PER LOCAL CODE REQUIREMENTS: ADAPTER WITH THREADED CLEANOUT PLUG. PROVIDE MINIMUM 6" CLEARANCE TO ROOF UNDER PIPES.

14 CONNECTIONS TO ROOF-TOP UNIT
NTS



LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, TWENTY FIVE FEET FROM ANY OPENING OR FRESH AIR INTAKE IN MEDICAL FACILITIES AND ONE FOOT FROM ANY VERTICAL SURFACE. REFER TO LOCAL CODES FOR OTHER VENT TERMINATION REQUIREMENTS. LOCATE VTR MINIMUM 18" FROM ADJACENT WALL, PARAPET, EXPANSION JOINT, ROOF DRAIN, EQUIPMENT CURB, OR OTHER ROOF FEATURE. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS. INSULATE LAST SIX FEET OF VENT PIPE INSIDE BUILDING PER SPECIFICATIONS.

15 VENT THRU ROOF
NTS

ROBERT W. HARRIS

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
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1	CD_F		02/25/2026

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MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

Owner Approval

2550004415 Not to Scale
Job No. Scale

PLUMBING DETAILS

P04.01

ELECTRIC STORAGE WATER HEATER SCHEDULE

MARK	MANUFACTURER	MODEL#	AREA SERVED	TANK SIZE (GALLONS)	ELECTRICAL DATA			RECOVERY (GPH)	WEIGHT (LB)	NOTES
					VOLTS	PHASE	KW			
WH	A.O. SMITH	#DEL-10	BANK	10	208	1	4.5	23	13	A, B

NOTES:

A. 80 DEG. TEMPERATURE RISE WITH 140 DEGREE OPERATING PRESSURE.
B. SINGLE ELEMENT.

PLUMBING EXPANSION TANK SCHEDULE

MARK	MANUFACTURER	MODEL	TANK SIZE (GALLONS)	MIN. ACCEPTANCE VOLUME (GALLONS)	SERVICE	WEIGHT (LB)	NOTES
ET	AMTROL	ST-5	2	0.9	WH	22	A

NOTES:

A. CHARGE TANK WITH AIR TO IDENTICAL PRESSURE AS STATIC DOMESTIC WATER PRESSURE.

RECIRCULATION PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	LOCATION	GPM	HEAD (FT.)	CONNECTION SIZE	ELECTRICAL DATA			NOTES
							VOLTS	PH	HP	
RP	BELL & GOSSETT	NBF-9U	JANITOR 119	1	7	3/4"	120	1	1/18	A, B, C, D

NOTES:

A. ALL LEAD FREE CAST BRONZE BOOSTER.
B. PROVIDE WITH STRAINER UPSTREAM OF PUMP.
C. PROVIDE ADJUSTIBLE, SURFACE MOUNTED AQUASTAT - HONELWELL L6006C.
D. SET AQUASTAT TO SHUT OFF RECIRCULATION PUMP AT WATER HEATER SET POINT AND ON AT 10 DEG. F. BELOW SET POINT.

FIXTURE BRANCH CONNECTION SCHEDULE

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
DRINKING FOUNTAIN	1/2"		2"	1 1/2"
FLOOR DRAIN			2"	2"
JANITOR'S SINK	1/2"	1/2"	3"	2"
LAVATORY	1/2"	1/2"	2"	1 1/2"
SINK	1/2"	1/2"	2"	2"
WALL/ROOF HYDRANT	3/4"			
WATER CLOSET (FLUSH VALVE)(NOTE 1)	1 1/4"		4"	2"

NOTES:

PIPE SIZES SHOWN ARE MINIMUM. AND ARE FOR INDIVIUAL SERVICE PIPE SIZES

(NOTE 1) PROVIDE 1-1/4" CW TO FLUSH VALVE, REDUCE TO 1" PRIOR TO CONNECTING TO FLUSH VALVE INLET AT INSIDE OF WALL.

CONDENSATE PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	PLENUM RATED (Yes/No)	MAX LOAD SERVED (NOMINAL COOLING TONS)	FLOWRATE GAL/HR	HEAD (FT WG)	SHUTOFF HEAD (FT WG)	RESERVOIR SIZE (GAL.)	ELEC DATA (1 PHASE)			NOTES
									HP	FLA @ 120V	FLA @ 240V	
CP	LITTLE GIANT	VCMA-20ULS	No	30	40	12	17	0.5	1/30	1.5	0.5	A,B,C,D

NOTES:

A. REFER TO ELECTRICAL PLANS FOR ELECTRICAL JUNCTION BOX LOCATION.
B. PROVIDE WITH HIGH LEVEL SAFETY SWITCH OR PUMP FAILURE SAFETY SWITCH. COORDINATE INTERLOCK OF SAFETY SWITCH TO SIGNAL AN ALARM AT THE BAS IN THE EVENT OF HIGH LIQUID LEVEL IN RESERVOIR OR PUMP FAILURE.
C. MAXIMUM VOLTAGE FOR SAFETY SWITCH (HIGH LEVEL OR PUMP FAILURE) IS 24 VOLTS (CLASS 2 LOW VOLTAGE CIRCUIT).
D. LOCATE RESERVOIR BELOW THE DRAIN OUTLET OF HVAC UNIT SERVED TO ALLOW FREE DRAINAGE BY GRAVITY INTO THE PUMP'S RESERVOIR. LOCATE PUMP IN AN ACCESSIBLE LOCATION PER MANUFACTURER'S INSTRUCTIONS.

IPC FIXTURE LOADING

FIXTURE TYPE	QTY	D.F.U. (EA)	TOTAL D.F.U.	HOT S.F.U. (EA)	COLD S.F.U. (EA)	COMBINED S.F.U. (EA)	TOTAL S.F.U. (HOT)	TOTAL S.F.U. (COLD)	TOTAL SERVICE S.F.U.
DRINK DISPENSER/ICE MAKER	2	0.0	0.0	0.00	0.50	0.50	0	1	1.0
DRINKING FOUNTAIN	2	0.5	1.0	0.00	0.25	0.25	0	0.5	0.5
PRIVATE SINK (BAR, KITCHEN OR BREAKROOM)	1	2.0	2.0	1.00	1.00	1.40	1	1	1.4
PUBLIC LAVATORY	2	1.0	2.0	1.50	1.50	2.00	3	3	4.0
SERVICE SINK (MOP BASIN)	1	3.0	3.0	2.25	2.25	3.00	2.25	2.25	3.0
FLOOR DRAIN (2" TRAP)	2	2.0	4.0	0.00	0.00	0.00	0	0	0.0
WALL/ROOF HYDRANT - NON-FREEZE	2	0.0	0.0	0.00	5.00	5.00	0	10	10.0
PUBLIC WATER CLOSET (1.6 GPF FLUSH VALVE)	2	4.0	8.0	0.00	10.00	10.00	0	20	20.0
TOTAL UNITS:	14		20.0				6.3	37.8	39.9

ENTER DESIGN		SLOPE FOR	
RAINFALL INTENSITY	3.25 IN / HR	HORIZONTAL	1/4 IN / FT **2018 IPC**

MAX HORIZONTAL PROJECTED ROOF AREA (SF) - HORIZONTAL

NOTES	HORIZONTAL PIPE SIZE	FLOW RATE GPM	CODE HPA 3.25 IN. PER HR	PVC CALC. 3.25 IN. PER HR	STEEL CALC. 3.25 IN. PER HR
	3	79	2339	-	-
	4	163	4827	-	-
	5	234	6929	-	-
	6	487	14422	-	-
	8	1010	29911	-	-
	10	1855	54936	-	-
	12	2960	87661	-	-
*	14	3734	X	102693	110593
	15	5016	148550	X	X
*	16	5397	X	146470	159854
*	18	7460	X	200550	220939
**	20	9126	X	267992	270277
**	24	15010	X	438321	444527
**	27	20721	X	613662	-
**	30	29718	X	880130	744050
**	36	47996	X	1421447	1134123
**	42	71606	X	2120662	1594426
**	48	101925	X	3018572	2147088

MAX HORIZONTAL PROJECTED ROOF AREA (SF) - VERTICAL

NOTES	VERTICAL PIPE SIZE	CODE DATA FLOWRATE GPM	CI CALC. 3.25 IN. PER HR	PVC CALC. 3.25 IN. PER HR	STEEL CALC. 3.25 IN. PER HR
	2	34	770	1006	888
	3	87	2339	2576	2576
	4	180	5034	5330	5330
	5	311	9180	9210	9210
	6	538	15044	15903	15903
	8	1117	32636	33050	33080
	10	2050	60356	60681	60711
	12	3272	96842	96842	96901
*	14	4538	X	124799	134394
	15	5543	164158	X	X
*	16	6559	X	177988	194247
*	18	9066	X	243705	268493
*	20	12099	X	325680	358316
*	24	19899	X	532662	589316
*	27	X	X	745745	X
*	30	36116	X	1069589	1068611
*	36	59231	X	1727435	1754148
*	42	89219	X	2577190	2642255
*	48	128154	X	3668398	3795330

\- USE CODE DATA, DO NOT USE SIZE IF ALL COLUMNS DISPLAY -
X SIZE IS NOT LISTED IN THE CODE OR NOT AVAILBLE FOR THE SPECIFIC MATERIAL
* FLOW RATE IS CLACULATED USING EQUATIONS. THE LARGER FLOW RATE BETWEEN VARYING MATERIALS IS LISTED. THE HPA FOR EACH MATERIAL IS CALCULATED THE FLOW RATE SPECIFIC TO THAT MATERIAL.

PLUMBING FIXTURE SCHEDULE

PLUMBING PLAN MARK	DESCRIPTION
DCV	DUAL CHECK VALVE: ZURN # 700XL, MEETING ASSE 1024, LOW LEAD CAST BRONZE BODY WITH 3/8" INLET/OUTLET AND STRAINER.
DSC	DOWNSPOUT COVER: JAY R. SMITH # 1775, ROUND FABRICATED STAINLESS STEEL FRAME WITH FABRICATED SECURED PERFORATED STAINLESS STEEL HINGED COVER. PROVIDE OUTLET SIZE AS SHOWN ON PLANS.
ECO	EXTERIOR CLEANOUT: JAY R. SMITH # 4261L SERIES DUCO CAST IRON DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED CAST IRON COVER WITH LIFTING DEVICE AND CLEANOUT BODY WITH ABS PLASTIC PLUG WITH GASKET SEAL AND PUSH-ON JOINT. REFER TO SPECIFICATIONS FOR INSTALLATION.
EWC	ELECTRIC WATER COOLER (ADA ACCESSIBLE): ELKAY # LZSTL8WSLK BARRIER FREE, LEAD FREE WITH BOTTLE FILLING STATION. FRONT AND SIDE PUSH ACTUATOR BARS, STAINLESS STEEL BOWL, FLEXIBLE POLYESTER ELASTOMER SAFETY BUBBLER AND GALVANIZED STEEL FRONT AND SIDES. CHILLER WITH CAPACITY OF 8.0 GALLONS PER HOUR CAPACITY, 50° F DRINKING WATER AT 80° F INLET TEMPERATURES 90° F ROOM TEMPERATURE. BOTTLE FILLING STATION: ELECTRONIC SENSOR FOR TOUCHLESS ACTIVATION WITH AUTO 20-SECOND SHUT-OFF TIMER, UNIT PROVIDES 1.1-1.5 GPM WITH LAMINAR FLOW TO MINIMIZE SPLASHING. FILTER: ELKAY WATERSENTRY PLUS FILTER WITH 3,000 GALLON USE CAPACITY WITH VISUAL MONITOR TO INDICATE WHEN FILTER REQUIRES REPLACEMENT. TRIM: McGUIRE # LF2165CC LEAD FREE BRASS COMPRESSION ANGLE STOP VALVE WITH RISER AND ESCUTCHEON, McGUIRE # B8872CF 1-1/4 " 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, AND SUITABLE CARRIER WITH STANCHIONS TO FLOOR. ELECTRICAL REQUIREMENTS: 120-VOLT, 6 FULL LOAD AMPS.
FD	FLOOR DRAIN: JAY R .SMITH # 2005L (-A), CAST IRON BODY AND CLAMPING COLLAR, ADJUSTABLE 6" ROUND NICKEL BRONZE STRAINER. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS. TRAP SEAL: PROVIDE TRAP SEAL PER SPECIFICATIONS FOR ACTUAL FLOOR DRAIN MODEL AND SIZE.
IMB	ICE MAKER BOX: OATEY MODEL # 38889, 20 GAUGE GALVANIZED STEEL BOX AND 28 GAUGE STEEL FACEPLATE POWDER COATED WHITE, BOTTOM INLET WATER SUPPLY WITH 1/4" TURN BRASS BALL VALVE COPPER SWEAT ANGLE STOP VALVE. TRIM: LOOP 4 FEET OF 1/4" TYPE "K" SOFT COPPER TUBING.
JS	JANITOR'S SINK: ACORN # TSH-24-TF2, 24" X 24" X 12" HIGH, SQUARE TERRAZZO BASIN WITH TILING FLANGE TWO ADJACENT SIDES AND INTEGRAL STAINLESS STEEL DRAIN BODY. FAUCET: DELTA FAUCET # 28C2383 FAUCET WITH 10-1/2" SPOUT WITH ADJUSTABLE TOP BRACE, BODY MOUNT ANGLE VACUUM BREAKER, PAIL HOOK, 3/4" MALE HOSE THREADED OUTLET AND LEVER BLADE HANDLES. SECURE FAUCET IN WALL WITH BACKBOARD. TRIM: DELTA # 28T911 48" LONG HEAVY DUTY REINFORCED HOSE WITH 3/4" BRASS COUPLING 3" X 5" STAINLESS STEEL HANGER BRACKET WITH RUBBER GRIP
LAV	WALL-MOUNTED LAVATORY (ADA ACCESSIBLE): KOHLER "DECORUM" # 9024.001EC CHO 20" X 18" RECTANGULAR WALL MOUNTED WHITE VITREOUS CHINA FIXTURE WITH SINGLE HOLE FAUCET LEDGE AND REAR OVERFLOW. FAUCET: SLOAN OPTIMA # EAF-200-PLT-CP-AER-NON, 4 " CENTERSET, HARD WIRED, SENSOR OPERATED FAUCET WITH PLUG ADAPTER, MIXER NOT INCLUDED, 0.35 GPM AERATOR IN POLISHED CHROME. TRIM: MCGUIRE # 155A GRID DRAIN WITH TAILPIECE, MCGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # B8872CF 1-1/4 " 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR, AND PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE PIPES.
NW	NON-FREEZE WALL HYDRANT: WOODFORD # RB65, CHROME PLATED BRASS 1" MALE INLET, 3/4" THREADED HOSE CONNECTION, LOOSE KEY HANDLE, HYDRANT LENGTH AS REQUIRED FOR INSTALLED WALL THICKNESS, ADJUSTABLE WALL CLAMP, BRASS BOX WITH CHROME PLATED FINISH AND SINGLE CHECK HOSE CONNECTION ANTI-SIPHON VACUUM BREAKER.
RD	COMBINATION ROOF AND OVERFLOW DRAIN: J.R. SMITH # 1850-E-CID, 12 " DIAMETER CAST IRON BODIES, COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL STOP, DOUBLE TOP-SET DECK PLATE AND CAST IRON DOMES. PROVIDE OUTLET SIZES AS SHOWN ON PLANS.
RH	SANITARY ROOF HYDRANT: WOODFORD SRH-MS MEETING ASSE #1057 WITH 3/4 " HOSE CONNECTION, 3/4" INLET CONNECTION, VACUUM BREAKER MEETING ASSE #1052, CAST IRON HYDRANT SUPPORT AND CAST IRON UNDER DECK FLANGE..
SK	SINK (ADA ACCESSIBLE): ELKAY # GECR2521MR2, 25" X 21-1/4" X 5-3/8" DEEP, SINGLE COMPARTMENT, SELF-RIMMING, 20 GAUGE TYPE 304 STAINLESS STEEL, FIXTURE WITH 2 HOLE DRILLING FAUCET LEDGE. SET IN BED OF PUTTY. FAUCET: KOHLER "JOLT" FAUCET # K-30614, LEAD FREE FAUCET WITH ONE PIECE, SELF-CONTAINED CERAMIC DISC VALVES, HIGH TEMPERATURE LIMIT SETTING, SWING SPOUT WITH 8-1/2" REACH, MATCHING FINISH SIDE SPRAY AND KOHLER # K-18036 LOW FLOW 0.5GPM VANDAL-RESISTANT PRESSURE COMPENSATING SPRAY. TRIM: MCGUIRE # LF2165CC LEAD FREE BRASS WHEEL HANDLE ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, MCGUIRE # 151M CUP STRAINER WITH 1-1/2" 17 GAUGE TAILPIECE, MCGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP WITH BRASS CLEANOUT AND ESCUTCHEON, PLUMBEREX "PRO-EXTREME" # X-4222 INSULATION KIT FOR WATER AND WASTE PIPES.
TMV	THERMOSTATIC MIXING VALVE: LEONARD # 170-LF, SOLID LEAD FREE BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 3.0 GPM WITH A 20PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. UNIT IS FIELD REBUILDABLE. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE WHERE INDICATED ON PLAN(S).
TS	TIME SWITCH: INTERMATIC #ET2705CSPST, 7 DAY, ONE CIRCUIT-SINGLE POLE SINGLE THROW, ELECTRONIC TIME SWITCH OR EQUAL BY TORK. TIME SWITCH SHALL BE MOTOR RATED (1 H.P. @ 120 VOLT, SINGLE PHASE), MINIMUM OF 99 SET POINTS (48 ON/OFF CYCLES) AND BATTERY BACK UP. COORDINATE WITH ELECTRICAL FOR INSTALLATION AND INTERLOCK OF TIME SWITCH IN SERIES WITH THE AQUASTAT AND RECIRCULATION PUMP
WC	WALL-MOUNTED WATER CLOSET (ADA ACCESSIBLE): TOTO # CT728CU(G) WHITE VITREOUS CHINA FIXTURE WITH ELONGATED UNIVERSAL BOWL CERAMIC GLAZE AND DIRECT-FED SIPHON JET ACTION. VALVE: TOTO #TET1UA, 1.0 GALLON PER FLUSH, EXPOSED, CHROME-PLATED, SENSOR OPERATED, SELF-POWERED HYDROELECTRIC FLUSH VALVE WITH MECHANICAL OVERRIDE BUTTON, PISTON TYPE FLUSH VALVE WITH SELF CLEANING WITH 360 DEG FILET SCREEN, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP WITH VANDAL RESISTANT CAP, VACUUM BREAKER, AND SWEAT ADAPTER KIT. TRIM: TOTO # SC134 WHITE OPEN-FRONT SEAT WITH COVER, SOLID PLASTIC WITH STAINLESS STEEL MOUNTING BOLTS. PROVIDE SUITABLE FIXTURE CARRIER.
WCO	WALL CLEANOUT: JAY R. SMITH # 4530S, CAST IRON CLEANOUT TEE, COUNTER SUNK PLUG, STAINLESS STEEL ROUND COVER AND SCREW, AND IRON PLUG WITH GASKET SEAL. REFER TO SPECIFICATIONS FOR INSTALLATION.
WHA	WATER HAMMER ARRESTER: PRECISION PLUMBING PRODUCTS, HARD DRAWN COPPER BODY WITH WROUGHT COPPER FITTINGS, PISTON TYPE WITH LUBRICATED EPDM "O" RING SEALS, MEETING ASSE 1010 OR PDI WH-201. PROVIDE PDI SIZES "A" THROUGH "F" AS SHOWN ON PLANS. PROVIDE SIZE "A" UNLESS SHOWN OTHERWISE ON THE PLANS.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
ROBERT W HARRIS JR
NUMBER E-2000172990
PROFESSIONAL ENGINEER
03/04/2026

ROBERT W. HARRIS
LICENSE # E-2000172990

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2026

Owner Approval

2550004415 Job No.
Not to Scale Scale

PLUMBING SCHEDULES

P05.01

ROBERT W. HARRIS

ELECTRICAL SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED. V4.03

STANDARD MOUNTING HEIGHTS

AUDIBLE APPLIANCE (CENTERLINE)	84"
ALARM (TOP OF DEVICE)	46"
ANNUNCIATOR PANEL (TOP OF DISPLAY)	60"
CONTROLS (TOP OF DEVICE)	46"
DATA WALL OUTLET	SAME AS ADJACENT DEVICE, UNO
EXIT SIGN (WALL MOUNTED)	92"
FIRE ALARM ANNUNCIATOR PANEL (TOP OF DISPLAY)	60"
FIRE ALARM BELL (EXTERIOR) (CENTERLINE)	120"
FIRE ALARM CONTROL PANEL/UNIT (TOP OF DISPLAY)	60"
INTERCOM (TOP OF DEVICE)	46"
PULL STATION (TOP OF DEVICE)	46"
RECEPTACLE (BOTTOM OF DEVICE)	16"
RECEPTACLE (ABOVE COUNTER)	+6" ABOVE BACKSPLASH/COUNTER, 40" MAX
RECEPTACLE (CLOCK) (CENTERLINE)	84"
RECEPTACLE (EQUIPMENT ROOMS) (TOP OF DEVICE)	46"
RECEPTACLE (EXTERIOR)	24"
RECEPTACLE (GARAGES)	24"
REMOTE INDICATING LIGHT (EQUIPMENT ROOMS) (TOP OF DEVICE)	46"
REMOTE INDICATING LIGHT (FINISHED AREAS)	CEILING
SAFETY SWITCH (TOP OF DEVICE)	46"
STARTER (TOP OF DEVICE)	46"
SWITCH (TOP OF DEVICE)	46"
TELEPHONE WALL OUTLET (TOP OF DEVICE)	46"
TELECOMMUNICATIONS BACKBOARD	6"
TELEVISION OUTLET	REFER TO DRAWINGS
VISIBLE APPLIANCE (CENTERLINE)	84"

INSTALL DEVICES/OUTLET BOXES AT THE MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ABOVE, OR ELSEWHERE IN THE CONSTRUCTION DOCUMENTS, ARE AFF OR AFG TO BOTTOM OF DEVICE, UNO. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

ABBREVIATIONS

AF	AMPERE FUSE SIZE	MCB	MAIN CIRCUIT BREAKER
AFC	ABOVE FINISHED CEILING	MCC	MOTOR CONTROL CENTER
AFF	ABOVE FINISHED FLOOR	MFR	MANUFACTURER
AFG	ABOVE FINISHED GRADE	MIN	MINIMUM
AHJ	AUTHORITY HAVING JURISDICTION	MLO	MAIN LUGS ONLY
		MLV	MAGNETIC LOW-VOLTAGE
AHU	AIR HANDLING UNIT	MOCP	MAXIMUM OVERCURRENT PROTECTION
AIC	AMPERE INTERRUPTING CAPACITY	MTD	MOUNTED
AS	AMPERE SWITCH SIZE	N/A	NOT APPLICABLE
AT	AMPERE TRIP SETTING	NIC	NOT IN CONTRACT
ATS	AUTOMATIC TRANSFER SWITCH	NIS	NOT IN SCOPE
		NF	NON-FUSED
AV	AUDIO VISUAL	NL	NIGHT LIGHT (24HR ON)
BAS	BUILDING AUTOMATION SYSTEM	NRTL	NATIONALLY RECOGNIZED TESTING LABORATORY (CSA, ETL, NSF, UL)
BESS	BATTERY ENERGY STORAGE SYSTEM	NTS	NOT TO SCALE
BKR	BREAKER	OS	OCCUPANCY SENSOR
C	CONDUIT	P	POLE
CAT	CATEGORY	PART	PARTIAL CIRCUIT
CATV	CABLE TELEVISION SYSTEM	PH/Ø	PHASE
CCTV	CLOSED CIRCUIT TELEVISION	PNL	PANEL
CD	CANDELA	PNLBD	PANELBOARD
CKT	CIRCUIT	PROVIDE	FURNISH AND INSTALL
CODE	APPLICABLE CODE ADOPTED BY JURISDICTION	PT	POTENTIAL TRANSFORMER
		PV	PHOTOVOLTAIC
CT	CURRENT TRANSFORMER	QTY	QUANTITY
CTR	CENTER	R/REL	RELOCATE
CTRL	CONTROL/CONTROLLED	RCPT	RECEPTACLE
CVD	CUMULATIVE VOLTAGE DROP	RLA	RUNNING LOAD AMPS
D/DEMO	DEMOLITION	RTU	ROOFTOP UNIT
DPDT	DOUBLE-POLE, DOUBLE-THROW	SCCR	SHORT-CIRCUIT CURRENT RATING
DPST	DOUBLE-POLE, SINGLE-THROW	SD	SMOKE DUCT DETECTOR
		SF	SQUARE FEET
E/ETR/EX	EXISTING TO REMAIN	SPDT	SINGLE-POLE, DOUBLE-THROW
EC	ELECTRICAL CONTRACTOR	SPST	SINGLE-POLE, SINGLE-THROW
EF	EXHAUST FAN	SSBJ	SUPPLY-SIDE BONDING JUMPER
EM	EMERGENCY	ST	SHUNT TRIP
EMS	ENERGY MANAGEMENT SYSTEM	SWBD	SWITCHBOARD
ELV	ELECTRONIC LOW-VOLTAGE	SWGR	SWITCHGEAR
ERMS	ENERGY-REDUCING MAINTENANCE SWITCH	TBB	TELECOMMUNICATIONS BONDING BACKBONE
EV	ELECTRIC VEHICLE	TBD	TO BE DETERMINED
EWC	ELECTRIC WATER COOLER	TGB	TELECOMMUNICATIONS GROUND BUS BAR
FAAP	FIRE ALARM ANNUNCIATOR PANEL	TL	TWISTLOCK
FACP	FIRE ALARM CONTROL PANEL	TMGB	TELECOMMUNICATIONS MAIN GROUND BUS BAR
FCA	FAULT CURRENT AMPS AVAILABLE	TX/XFMR	TRANSFORMER
FCU	FAN COIL UNIT	TYP	TYPICAL
FF	FINISHED FLOOR	U/F	UNDERFLOOR
FLA	FULL LOAD AMPS	U/G	UNDERGROUND
FLR	FLOOR	U/S	UNDERSLAB
GC	GENERAL CONTRACTOR	UH	UNIT HEATER
GEC	GROUNDING ELECTRODE CONDUCTOR	UNO	UNLESS NOTED OTHERWISE
GES	GROUNDING ELECTRODE SYSTEM	UPS	UNINTERRUPTIBLE POWER SUPPLY
GFR	GROUND FAULT RELAY	VD	VOLTAGE DROP
G	GROUND	VFD	VARIABLE FREQUENCY DRIVE
IG	ISOLATED GROUND	VS	VACANCY SENSOR
ISC	SHORT CIRCUIT CURRENT	W	WIRE
JB/J-BOX	JUNCTION BOX	W/	WITH
LF	LINEAR FEET	WP	WEATHER PROOF
LRA	LOCKED ROTOR AMPS	WR	WEATHER RESISTANT
LTG/LTS	LIGHTING/LIGHTS	WT	WATERTIGHT
MAU	MAKE-UP AIR UNIT	XP	EXPLOSION PROOF
MAX	MAXIMUM		
MCA	MINIMUM CIRCUIT AMPACITY		

LINETYPE LEGEND

THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF ITEMS AS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW WORK AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE FUTURE. THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO THE VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS NOT INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION PHASING, WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTRUCTION DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BROAD ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOWING LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE, SHAPE, ETC.

EXISTING

DEMOLISH

NEW

FUTURE

ARTICLE 700 OR LIFE SAFETY*

ARTICLE 701 OR CRITICAL / EQUIPMENT BRANCH*

ARTICLE 702 OR OPTIONAL*

* APPLIES TO COLOR PLOTS ONLY

ANNOTATION

XX### — PLAN NOTE CALLOUT

1 — MECHANICAL OR FIRE PROTECTION PLAN NOTE CALLOUT

1 — PLUMBING PLAN NOTE CALLOUT

1 — ELECTRICAL OR FIRE ALARM PLAN NOTE CALLOUT

1 — TECHNOLOGY PLAN NOTE CALLOUT

1 — PLUMBING EQUIPMENT DESIGNATION. (CONTRACTOR FURNISHED AND INSTALLED, UNO). REFER TO PLUMBING FIXTURE OR EQUIPMENT SCHEDULES

1 — EQUIPMENT DESIGNATION (OWNER FURNISHED, CONTRACTOR INSTALLED, UNO)

CU 1 — MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED, UNO)

CONNECTION POINT OF NEW WORK TO EXISTING

1 / E1 — DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER

1 / E1 — SECTION CUT DESIGNATION

DEDICATED EQUIPMENT ACCESS TILE

ACCESS PANEL

CIRCUITING & WIRING

7 5 3 / OR P1-3,5,7 [R#] P1 — HOMERUN TO PANELBOARD. INFORMATION AT ARROWS ARE CIRCUIT NUMBERS AND PANELBOARD FOR TERMINATION. REFER TO PANELBOARD SCHEDULES FOR BRANCH CIRCUIT CONDUCTOR SIZES.

INDICATES RELAY NUMBER

CIRCUIT CONTINUATION OR PARTIAL CIRCUIT

CONDUIT CONCEALED

EM — CONDUIT CONCEALED (EMERGENCY)

CONDUIT IN/UNDER FLOOR/GROUND CONSTRUCTION

EXPOSED CONDUIT

EM — EXPOSED CONDUIT (EMERGENCY)

FLEXIBLE CONDUIT

LOW VOLTAGE CABLE (NOT ROUTED IN CONDUIT)

CONDUIT TURNING DOWN

CONDUIT TURNING UP

CONNECTION POINT OR EQUIPMENT TERMINATION

EQUIPMENT TERMINATION

CONDUCTOR TICK MARK LEGEND

WHERE TICK MARKS ARE SHOWN, THE FOLLOWING SHALL GOVERN:

- SWITCHED HOT (PHASE) CONDUCTORS (SHOWN TRAILING NEUTRAL)
- NEUTRAL (GROUNDED) CONDUCTOR
- UNSWITCHED HOT (PHASE) CONDUCTORS (SHOWN LEADING NEUTRAL)

NOTE: HASH MARKS INDICATE QUANTITY OF CONDUCTORS

- EQUIPMENT GROUNDING CONDUCTOR IN CONDUIT (GREEN INSULATION OR BARE)
- ISOLATED GROUNDING CONDUCTOR IN CONDUIT (GREEN INSULATION WITH YELLOW TRACER)

BRANCH CIRCUIT CONDUCTOR TABLE

WHERE TICK MARKS ARE NOT SHOWN, THE FOLLOWING SHALL GOVERN:

# OF POLES	HOT (PHASE)*	NEUTRAL (GROUNDED)**	GROUNDING***
1P	(1)	(1) UNO	(1)
2P	(2)	(1) UNO	(1)
3P	(3)	(1) UNO	(1)

* PROVIDE ADDITIONAL CONDUCTORS THROUGH ENTIRE CIRCUIT (SWITCHED, UNSWITCHED/EM, ETC.) AS INDICATED THROUGHOUT CONSTRUCTION DOCUMENTS AND AS REQUIRED FOR A COMPLETE AND WORKING SYSTEM.

** REFER TO SPECIFICATIONS FOR LIMITATIONS ON SHARING NEUTRAL (GROUNDED) CONDUCTORS. DO NOT CIRCUIT AS A MULTI-WIRE BRANCH CIRCUIT, UNO.

*** PROVIDE ADDITIONAL ISOLATED GROUNDING CONDUCTORS WHERE INDICATED.

REFER TO SPECIFICATIONS, PLANS, NOTES, WIRING AND CONTROL DIAGRAMS FOR ADDITIONAL CIRCUITING REQUIREMENTS.

HATCHING LEGEND

ENLARGED PLAN

NOT IN SCOPE (NIS)

LIGHTING

A / B [OS] — LIGHT FIXTURE

a = LOWER CASE LETTER IS SWITCH IDENTIFIER

A = UPPER CASE LETTER INDICATES LIGHT FIXTURE TYPE

[OS] = INTEGRAL OCCUPANCY SENSOR

= WALL MOUNT

= ARROW INDICATED AIMING DIRECTION

LIGHT FIXTURE CIRCUITED AS A NIGHT LIGHT (NL)

EMERGENCY LIGHT FIXTURE WITH EMERGENCY LIGHTING BATTERY PACK OR CONNECTED TO EMERGENCY SOURCE

NIGHT LIGHT/EMERGENCY LIGHT FIXTURE WITH EMERGENCY BATTERY PACK OR CONNECTED TO EMERGENCY SOURCE

LIGHT FIXTURE WITH DUAL BALLASTS CIRCUITED SEPARATELY (SHADING IMPLIES EMERGENCY LIGHT FIXTURE)

[#] — LIGHTING TRACK (# INDICATES RELAY NUMBER)

MIRROR LIGHTS

EXTERIOR PARKING LOT LIGHT FIXTURE

EXTERIOR PEDESTRIAN POST TOP LIGHT FIXTURE

EXTERIOR LIT BOLLARD LIGHT

EXIT SIGN - CEILING / WALL MOUNTED, ARROWS AS INDICATED, FACE HATCHED

EMERGENCY LIGHTING UNIT EQUIPMENT WITH BATTERY PACK - CEILING/WALL MOUNTED

AFEA (AREA FOR EVACUATION ASSISTANCE) SIGN - CEILING/WALL MOUNTED, ARROWS AS INDICATED

REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION

POWER EQUIPMENT

ELECTRICAL PANELBOARD (SURFACE OR FLUSH MOUNT)

ELECTRICAL CABINET (SURFACE OR FLUSH MOUNT), TYPE AS NOTED

PLYWOOD TERMINAL BOARD FOR TELEPHONE SYSTEM, UNO. SIZE AS NOTED

ELECTRICAL EQUIPMENT ON HOUSEKEEPING PAD

FRONT — TRANSFORMER

DISCONNECT SWITCH,
200/3/150/3R = AMPERES/POLE/FUSE/NEMA ENCLOSURE RATING
CB = CIRCUIT BREAKER (200/3/CB)
FM = FACTORY FURNISHED AND MOUNTED
NF = NON-FUSED
OL = SIZE INDICATED ON ONE-LINE DIAGRAM
NO VALUE FOR NEMA ENCLOSURE = NEMA 1

200/3/150/3R

COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER,
30/3/15/1/3R = AMPERES/POLE/FUSE/NEMA STARTER SIZE/NEMA ENCLOSURE RATING
CB= CIRCUIT BREAKER (30/3/CB/1)
FM = FACTORY FURNISHED AND MOUNTED
NF= NON-FUSED
NO VALUE FOR NEMA ENCLOSURE = NEMA 1

30/3/15/1/3R

2 — MAGNETIC MOTOR STARTER, NEMA SIZE AS NOTED. 3-POLE, UNO

VFD — VARIABLE FREQUENCY DRIVE

INDICATING LIGHT

EMERGENCY POWER OFF BUTTON

STOP-START PUSH BUTTON CONTROL STATION

HAND-OFF-AUTO PUSH BUTTON CONTROL STATION

MUSHROOM-TYPE PUSH BUTTON

OVERHEAD PADDLE FAN

SIGNALING

B — SIGNALING BELL

B — SIGNALING BUZZER

T — LV TRANSFORMER

BOXES, LIGHTING CONTROL & WIRING DEVICES

SWITCH LETTER DESIGNATIONS AS FOLLOWS:
BLANK = SINGLE POLE
2 = TWO POLE
3 = THREE-WAY
4 = FOUR-WAY
D = DIMMER
F = FAN SPEED CONTROL
FH = FRACTIONAL HORSEPOWER MANUAL CONTROLLER
FM = FACTORY FURNISHED AND MOUNTED
IH = INTEGRAL HORSEPOWER MANUAL CONTROLLER
K = KEYED
LV# = LOW VOLTAGE / DIGITAL
M = MANUAL MOTOR STARTER DISCONNECT
OS# = OCCUPANCY SENSOR
P = SPST PILOT LIGHT
WP = WEATHER PROOF
30/3/3R = AMPERES/POLES/NEMA ENCLOSURE RATING
= REFER TO LIGHTING CONTROL DEVICE SCHEDULE

$ # — $ 30/3/3R

ALC — AUTOMATIC LOAD CONTROL RELAY

BTS — BRANCH CIRCUIT TRANSFER SWITCH

CEILING / WALL MOUNTED OCCUPANCY SENSOR (# INDICATES TYPE PER SCHEDULE)

CORNER 90 DEGREE SENSING
ONE-DIRECTION SENSING, CEILING/WALL MOUNT
CEILING MOUNT, TWO-DIRECTION SENSING
CEILING MOUNT, FOUR-DIRECTION SENSING

C# — CONTACTOR (SIZE, COIL VOLTAGE AND NUMBER OF POLES AS INDICATED)

CL## — TRACK-MOUNTED CURRENT LIMITER (## INDICATES AMPERAGE)

DB — DAYLIGHT SENSOR (# INDICATES TYPE PER SCHEDULE)

LC — LIGHTING CONTROLS PROCESSOR AND/OR EQUIPMENT

PB — POWER PACK (# INDICATES TYPE PER SCHEDULE)

PS# — PHOTOELECTRIC SWITCH

R## — ROOM CONTROLLER (# INDICATES TYPE PER SCHEDULE)

TS# — TIME SWITCH

SIMPLEX RECEPTACLE - NEMA 5-20R, UNO

DUPLEX RECEPTACLE - NEMA 5-20R, UNO

DOUBLE DUPLEX RECEPTACLE - NEMA 5-20R, UNO

SPECIAL RECEPTACLE - NEMA TYPE AS NOTED

TWIST-LOCK TYPE RECEPTACLE

G — BLANK FACE GFCI FEED THROUGH DEVICE

GFCI OR GFCI — GFCI TYPE RECEPTACLE*

AUTOMATICALLY CONTROLLED SIMPLEX RECEPTACLE

SPLIT-WIRED DUPLEX RECEPTACLE*, HALF AUTOMATICALLY CONTROLLED

AUTOMATICALLY CONTROLLED DUPLEX RECEPTACLE*

DOUBLE DUPLEX RECEPTACLE WITH ONE DUPLEX AUTOMATICALLY CONTROLLED

DOUBLE DUPLEX RECEPTACLE WITH BOTH DUPLEXES AUTOMATICALLY CONTROLLED

EM OR EM — EMERGENCY RECEPTACLE*

RECEPTACLE INSTALLED ABOVE COUNTER OR BACKSPLASH*

RECEPTACLE INSTALLED IN CEILING*

RECEPTACLE INSTALLED VIA DROP CORD*

H OR H — RECEPTACLE INSTALLED IN HORIZONTAL ORIENTATION*

ADDITIONAL RECEPTACLE LETTER DESIGNATIONS AS FOLLOWS:
CH = CLOCK HANGER TYPE
G = RCPT PROTECTED BY GFCI CIRCUIT BREAKER OR UPSTREAM GFCI DEVICE
IG = ISOLATED GROUND
S = MANUALLY SWITCHED
SP / TVSS = SURGE PROTECTION
TR = TAMPER RESISTANT
TV = TELEVISION
USB = USB/DUPLEX
WP = WEATHER PROOF COVER
WR = WEATHER RESISTANT

U # — MULTI-OUTLET ASSEMBLY

TELEPHONE OUTLET

DATA OUTLET

MULTI-SERVICE OUTLET; TELEPHONE AND DATA

ABOVE COUNTER, TYP
WALL, TYP

A — MULTI-SERVICE POWER POLE WITH TELEPHONE, DATA AND POWER OUTLETS A = TYPE, REFER TO PLANS, SCHEDULES AND SPECIFICATIONS

A — FLOOR BOX WITH TELEPHONE, DATA AND/OR POWER OUTLETS A = TYPE, REFER TO PLANS, SCHEDULES AND SPECIFICATIONS

A — POKE THROUGH, A = TYPE, REFER TO PLANS, SCHEDULES AND SPECIFICATIONS

THERMOSTAT

JUNCTION/OUTLET BOX. MOUNTING AS NOTED OR DETAILED

* SYMBOL DEMONSTRATED WITH DUPLEX RECEPTACLE, WHEN USED IN COMBINATION WITH OTHER DEVICES MEANING IS SIMILAR FOR THOSE DEVICE TYPES.

REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR MORE INFORMATION.

ELECTRICAL ONE-LINE & RISER DIAGRAM

#A 3P — SWITCH (RATING AND POLES AS INDICATED)

#A 3P / #AT ### — DRAWOUT CIRCUIT BREAKER (RATINGS, POLES, TRIP SIZE AND BREAKER TYPE AS INDICATED)

#AS 3P / #AF #### — FUSED SWITCH (RATING, POLES, FUSE SIZE AND TYPE AS INDICATED)

#AS 3P / #AF #### / NEMA# / NEMA# — COMBINATION FUSED SWITCH/STARTER (RATING, POLES, FUSE SIZE, FUSE TYPE, NEMA STARTER SIZE, NEMA ENCLOSURE TYPE AS INDICATED)

#A 3P / #AT #### — CIRCUIT BREAKER (RATING, POLES, TRIP SIZE AND BREAKER TYPE AS INDICATED)

#A 3P / #AT #### / NEMA# / NEMA# — COMBINATION CIRCUIT BREAKER/STARTER (RATING, POLES, TRIP SIZE, BREAKER TYPE, NEMA STARTER SIZE, NEMA ENCLOSURE TYPE AS INDICATED)

LSIG — CIRCUIT BREAKER TRIP FUNCTIONS
L = LONG TIME
S = SHORT TIME
I = INSTANTANEOUS
G = GROUND FAULT

PANELBOARD, SINGLE OR MULTI-SECTION (REFER TO SCHEDULES)

ISOLATED POWER PANELBOARD W/ INTEGRAL TRANSFORMER (REFER TO SCHEDULES)

TX# — TRANSFORMER (TYPE AND RATINGS AS INDICATED)

TX# 600V — SHIELDED TRANSFORMER (TYPE AND RATINGS AS INDICATED)

ATS# — TRANSFER SWITCH (RATINGS AS INDICATED)
ATS = AUTOMATIC TRANSFER SWITCH
MTS = MANUAL TRANSFER SWITCH
NTS = NON-AUTOMATIC TRANSFER SWITCH

ATS# (W/BYPASS) — TRANSFER SWITCH WITH BYPASS (RATINGS AS INDICATED)

##KW GENERATOR 480Y/277V, 3Ø, 4W — G / M/G — GENERATOR (RATINGS AS INDICATED)

INDICATES CONNECTION TO GROUNDING ELECTRODE SYSTEM IF GENERATOR IS CONNECTED AS A SEPARATELY DERIVED SOURCE

MDP SWITCHBOARD ELEC ROOM ### AMPS 480Y/277V 3Ø 4W — SWITCHGEAR, SWITCHBOARD AND/OR DISTRIBUTION PANELBOARD (TYPE, RATING, DEVICES AND ACCESSORIES AS INDICATED)

AS — AMMETER SWITCH

VS — VOLTMETER SWITCH

AM — AMMETER (RANGE AS SPECIFIED OR REQUIRED)

VM — VOLTMETER (RANGE AS SPECIFIED OR REQUIRED)

DIGITAL VM/AM — COMBINATION DIGITAL VOLT METER/AMMETER

UTILITY METER M — UTILITY METER (AS REQUIRED BY UTILITY)

WH D 15 — WATT-HOUR METER, "D" DENOTES DEMAND REGISTER, "15" DENOTES MINUTES OF DEMAND INTERVAL

CURRENT TRANSFORMER RATING AS SPECIFIED OR REQUIRED

POTENTIAL TRANSFORMER RATING AS SPECIFIED OR REQUIRED

— CIRCUIT/EQUIPMENT IDENTIFICATION (REFER TO SCHEDULE)

ERMS — ENERGY-REDUCING MAINTENANCE SWITCH

GFR — GROUND FAULT RELAY

PFR — PHASE FAILURE RELAY

PRM — PHASE ROTATION MONITOR

R — RELAY

KK# — KIRK-KEY INTERLOCK (# INDICATES KEY PAIR)

ST — SHUNT TRIP

SPD — SURGE-PROTECTIVE DEVICE

VFD — VARIABLE FREQUENCY DEVICE

GROUND CONNECTION

GROUND CONNECTION WITH TEST WELL

GROUND ROD

LIGHTNING ARRESTER

CAPACITOR

CONTACT (OPEN OR CLOSED)

HEATER

HP — MOTOR

— BLOCK LOAD KW OR KVA

×F# ×FP# — FAULT POINT REFERENCED IN SHORT CIRCUIT CURRENT AND VOLTAGE DROP SPREADSHEET

APPLICABLE ELECTRICAL CODES:

NOTE: PROJECT IS DESIGNED IN COMPLIANCE WITH THE FOLLOWING CODES. THIS IS NOT AN EXHAUSTIVE LIST. PROJECT SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS AND LOCAL REQUIREMENTS. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

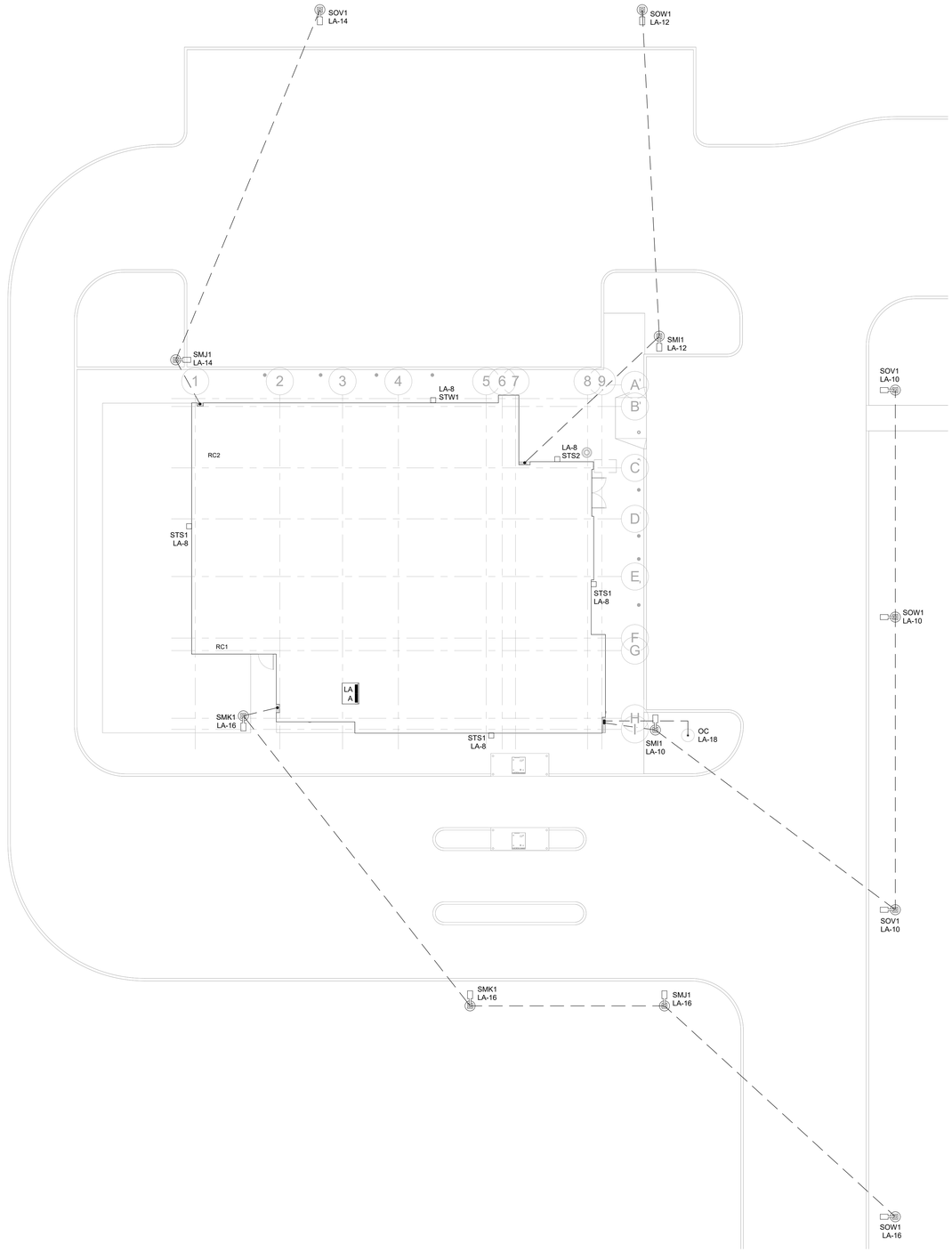
ELECTRICAL CODE: **2017 NATIONAL ELECTRICAL CODE, (NFPA 70)**
BUILDING CODE: **2018 INTERNATIONAL BUILDING CODE**
ENERGY CODE: **2018 INTERNATIONAL ENERGY CONSERVATION CODE**

COMMISSIONING / FUNCTIONAL TESTING:

CONTRACTOR'S BID SHALL INCLUDE PROVISIONS TO PROVIDE ALL SERVICES RELATED TO THE CODE REQUIRED BUILDING SYSTEMS COMMISSIONING INCLUDING A COMMISSIONING PLAN, FUNCTIONAL TESTING, AND RELATED DOCUMENTATION, REPORTS AND OWNER TRAINING. THIS INCLUDES RETAINING THE SERVICES OF A 3RD PARTY REGISTERED DESIGN PROFESSIONAL OR APPROVED AGENCY. REFER TO THE LATEST ADOPTED EDITION OF THE APPLICABLE ENERGY CODE FOR MORE INFORMATION. CONTRACTOR SHALL COMPLETE ALL RELATED COMMISSIONING REQUIREMENTS PRIOR TO FINAL INSPECTIONS IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS, CODE AND MANUFACTURER 'S INSTRUCTIONS.

ELECTRICAL GENERAL NOTES:

1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS. AS APPLICABLE, REVIEW THE LANDLORD CRITERIA, GENERAL NOTES, OTHER TRADE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMITTING BID.
2. ALL WORK SHALL CONFORM TO ALL LOCAL CODES AND ORDINANCES AS WELL AS APPLICABLE INDUSTRY STANDARDS. ALL EQUIPMENT SHALL BEAR LABELS FOR THE USE INTENDED BY AN AHJ ACCEPTED NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL), SUCH AS UL OR ETL. THE FINAL ELECTRICAL INSTALLATION OF THE FACILITY OCCUPIED BY OWNER SHALL BE FREE FROM ELECTRICAL DEFECTS TO THE SATISFACTION OF THE AHJ, OWNER, ARCHITECT AND ENGINEER.
3. COORDINATE FINAL LOCATION AND INSTALLATION REQUIREMENTS OF ALL LIGHT FIXTURES, ELECTRICAL EQUIPMENT AND ELECTRICAL DEVICES WITH ARCHITECTURAL DRAWINGS, EXISTING CONDITIONS AND OTHER TRADES PRIOR TO ROUGH-IN. PROVIDE ALL NECESSARY DEVICES, CORDS, PLUGS, DISCONNECTS AND FINAL CONNECTIONS TO ELECTRICAL EQUIPMENT FOR PROPER OPERATION IN ACCORDANCE WITH CODE, OWNER AND MANUFACTURER REQUIREMENTS.
4. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC/SCHEMATIC IN NATURE AND REPRESENT THE GENERAL SCOPE OF WORK. IT IS NOT WITHIN THE SCOPE OF THE ELECTRICAL DRAWINGS TO SHOW ALL NECESSARY RACEWAY ROUTING, BENDS, OFFSETS, PULL BOXES AND OBSTRUCTIONS. CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF EQUIPMENT AND WIRING DEVICES WITH OTHER TRADES PRIOR TO INSTALLATION AND INSTALL ALL WORK TO CONFORM TO THE OWNER REQUIREMENTS.
5. ALL CONDUCTOR AND CONDUIT LENGTHS SHOWN IN THESE DESIGN DOCUMENTS ARE INTENDED SOLELY FOR USE IN THE DESIGN CALCULATIONS BY THE DESIGN PROFESSIONAL, UNLESS NOTED OTHERWISE. LENGTHS SHOWN SHALL NOT BE USED TO ASSIST IN THE BIDDING TAKEOFF PROCESS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MATERIAL QUANTITIES REQUIRED TO BID AND CONSTRUCT THE COMPLETE PROJECT.
6. PROVIDE PROPER FIRE PROOFING AND SEALANT FOR PENETRATIONS THROUGH FIRE RATED ASSEMBLIES. THE FIRE STOPPING METHOD, MATERIAL AND ITS APPLICATION SHALL BE NRTL LISTED, CODE COMPLIANT AND APPROVED BY AHJ.
7. ALL APPLICABLE SWITCHES, RECEPTACLES, OUTLETS, AND CONTROLS SHALL BE PLACED AT HEIGHTS THAT ARE IN ACCORDANCE WITH ADA ACCESSIBILITY GUIDELINES.
8. COORDINATE FLOOR MOUNTED BOX, RECEPTACLE, AND COVER PLATE TYPES WITH ARCHITECT AND OWNER PRIOR TO ORDER.
9. WIRING DEVICES ADJACENT TO EACH OTHER SHALL BE INSTALLED UNDER A SINGLE COVER PLATE, UNO.
10. WIRING DEVICES SHOWN BACK-TO-BACK ON A COMMON WALL SHALL BE OFFSET A MINIMUM OF 12" HORIZONTALLY TO REDUCE SOUND TRANSMISSION BETWEEN ROOMS, UNO.
11. ALL WP OUTLET BOX HOODS SHALL BE "EXTRA-DUTY" AND "WHILE-IN-USE COVER" TYPE. OUTLET BOX HOODS SHALL BE LOW PROFILE WHEREVER PRACTICABLE, UNLESS NOTED OTHERWISE. THE USE OF LARGE BUBBLE COVERS SHALL BE AVOIDED ON THE EXTERIOR OF THE BUILDING OR BEHIND EQUIPMENT IN ORDER TO PREVENT DAMAGE TO THE COVER AND TO ALLOW THE EQUIPMENT TO BE LOCATED CLOSE TO THE WALL.
12. ALL 120V RECEPTACLES 50A OR LESS, 208V AND 240V RECEPTACLES 100A OR LESS, SHALL BE GFCI PROTECTED IN LOCATIONS REQUIRED BY CODE; THIS INCLUDES BATHROOMS, KITCHENS/FOOD PREP AREAS, EXTERIOR LOCATIONS AND RECEPTACLES WITHIN 6 FEET OF A SINK. GFCI RECEPTACLES SHALL BE READILY ACCESSIBLE AND SHALL NOT BE LOCATED BEHIND STATIONARY EQUIPMENT. GFCI PROTECTION MAY BE VIA A GFCI CIRCUIT BREAKER OR GFCI RECEPTACLE, UNLESS NOTED OTHERWISE. WHERE NECESSARY, GFCI PROTECTION MAY BE ACHIEVED VIA A BLANK FACE GFCI DEVICE LOCATED IN A READILY ACCESSIBLE LOCATION NEAR RECEPTACLE BEING PROTECTED. FOR DOWNSTREAM WIRING DEVICES LOCATED ON THE SAME BRANCH CIRCUIT, THE GFCI PROTECTION MAY BE PROVIDED FOR BY A SINGLE UPSTREAM DEVICE IF ALL PROTECTED DEVICES ARE LABELED PER CODE.
13. PROVIDE TAMPER-RESISTANT (TR) TYPE RECEPTACLES AT ALL CODE REQUIRED LOCATIONS AND AT LOCATIONS WHERE RECEPTACLES ARE MOUNTED LESS THAN 5'-6" AFF AND ARE EASILY ACCESSIBLE BY CHILDREN, UNLESS NOTED OTHERWISE.
14. FLEXIBLE CONDUIT IS ONLY PERMITTED WHERE SPECIFICALLY ALLOWED IN THE CONSTRUCTION DOCUMENTS, WHERE CONCEALED FROM VIEW OR EXPOSED FINAL CONNECTIONS TO LIGHT FIXTURES AND EQUIPMENT IN LENGTHS OF 6'-0" OR LESS.
15. ALL EMPTY CONDUIT/RACEWAY SHALL BE INSTALLED WITH PULL STRINGS. TERMINATE CONDUIT STUB-UP WITH A NYLON BUSHING.
16. EXPOSED CONDUIT/RACEWAY SHALL BE PAINTED TO MATCH ADJACENT SURFACE, UNLESS NOTED OTHERWISE. COORDINATE REQUIREMENTS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
17. CONDUITS/RACEWAYS SHALL BE CONCEALED FROM VIEW WHEREVER PRACTICABLE, UNLESS NOTED OTHERWISE. ROUTE CONDUITS SERVING ROOFTOP EQUIPMENT CONCEALED INSIDE EQUIPMENT CURB AND MINIMIZE ROOF PENETRATIONS AND EXTERIOR CONDUIT RUNS WHERE PRACTICABLE. SUPPORT RACEWAY FROM STRUCTURE, NOT ROOF DECK. MAINTAIN 2" MIN SPACING FROM BOTTOM OF ROOF DECK TO PREVENT ROOFING SCREWS FROM PENETRATING RACEWAY. DO NOT ROUTE CONDUITS ACROSS SKYLIGHTS, ACCESS PANELS, HATCHED TILES, HVAC DIFFUSERS, OR EQUIPMENT WORKING CLEARANCE SPACE. ROUTE ALL EXPOSED NON-FLEXIBLE CONDUITS TIGHT TO STRUCTURE, PARALLEL TO BUILDING LINES AND IN STRUT OR CABLE/PIPE TRAY WHERE PRACTICABLE. INSTALL CONDUITS PLUMB / LEVEL WHERE EXPOSED TO VIEW. COORDINATE RACEWAY ROUTING AND INSTALLATION WITH OTHER TRADES PRIOR TO ROUGH-IN.
18. WHERE PRACTICABLE, ALL UNDER-FLOOR/UNDER-GROUND CONDUITS/RACEWAY SHALL BE INSTALLED A MINIMUM OF **[24"]** BELOW BOTTOM OF SLAB/PAVING/GRADE, UNLESS NOTED OTHERWISE. NOTE: THE DESIGN INTENT FOR INSTALLING ELECTRICAL CIRCUITRY AT THIS DEPTH IS TO PROTECT THE ELECTRICAL CIRCUITRY FROM DAMAGE DUE TO FUTURE WORK.
19. PROVIDE LABEL AT EACH RECEPTACLE COVER PLATE WITH THE RESPECTIVE "PNLBD-CKT#" DESIGNATION. COORDINATE LABEL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.
20. MULTIWIRE B

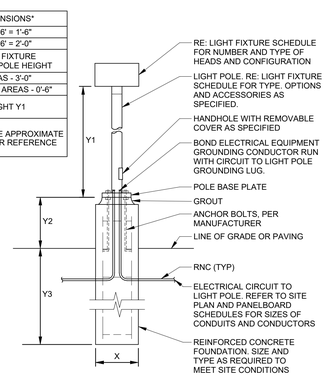


1 ELECTRICAL SITE PLAN
3/32" = 1'-0"

TABLE OF DIMENSIONS*	
X	POLE HEIGHT < 16' = 1'-6"
	POLE HEIGHT > 16' = 2'-0"
Y1	REFER TO LIGHT FIXTURE SCHEDULE FOR POLE HEIGHT
Y2	VEHICULAR AREAS - 3'-0"
	NON-VEHICULAR AREAS - 0'-6"
Y3	1/4 OF POLE HEIGHT Y1

* NOTE:
ALL DIMENSIONS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.

REFERENCE CIVIL OR STRUCTURAL DRAWINGS FOR FOUNDATION DETAILS.



2 POLE BASE DETAIL
NTS

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
RYAN D McPHILLIPS
NUMBER PE-2025000034
PROFESSIONAL ENGINEER

3/5/2026

RYAN D. MCPHILLIPS
LICENSE # PE-2025000034

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

Owner Approval

2550004415 — Job No.
As indicated — Scale

ELECTRICAL SITE PLAN

E00.10

RYAN D. MCPHILLIPS

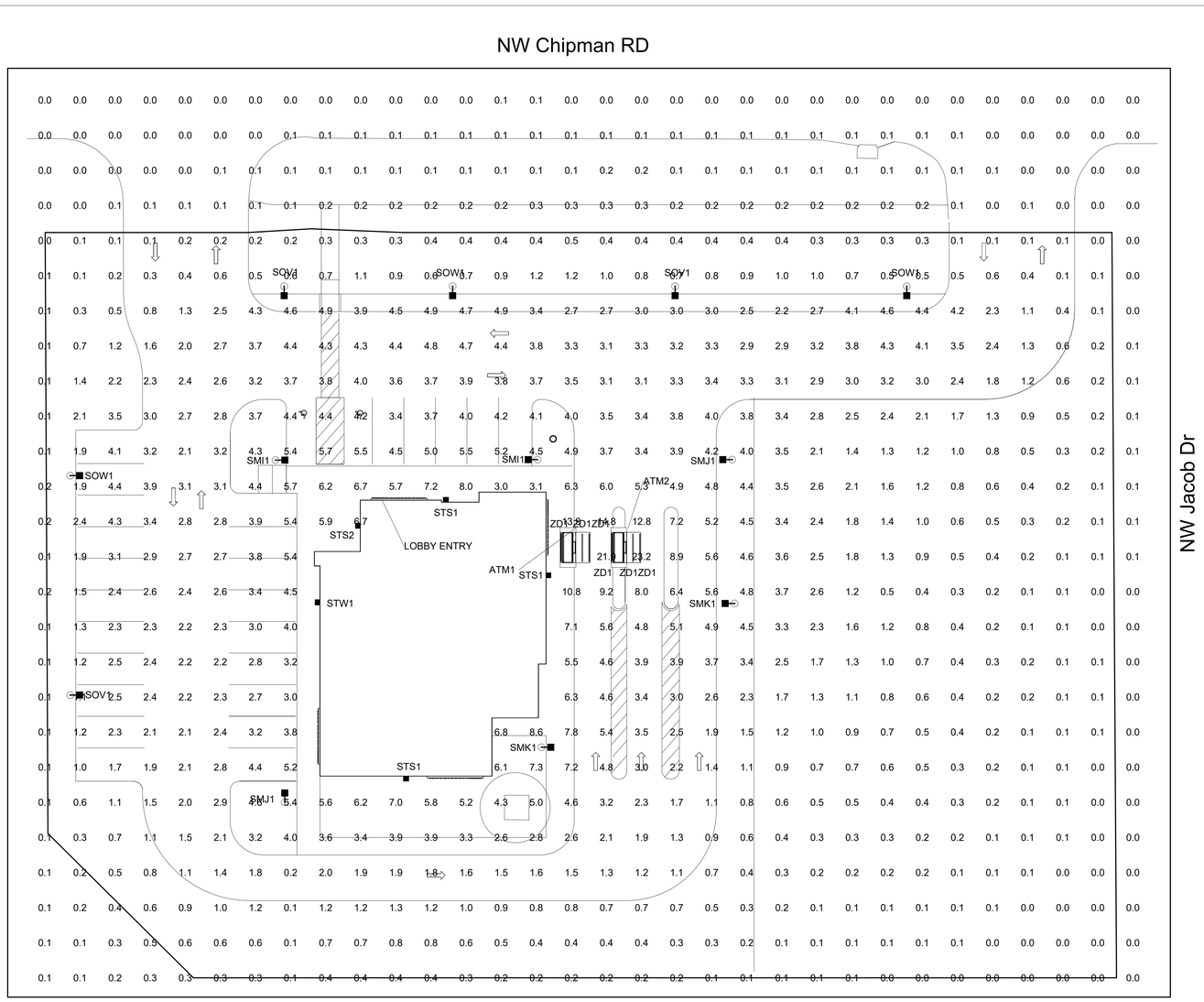
LUMINAIRE SCHEDULE

CONTRACTOR TO VERIFY MOUNTING ACCESSORIES BEFORE ORDERING

SYMBOL	TOTAL FIXTURE COUNT	TYPE	NEW POLE COUNT	MANUFACTURER	MODEL	MODEL NUMBER	NOTES	MOUNTING HEIGHT	MOUNTING ACCESSORY	BUG RATING	MOUNTING	KILOWATT PER HOUR	TOTAL WATTAGE
	2	SMI1	2	SIGNIFY	GARDCO OPF-S	OPF-S-A03-740-T5W-AR1-UNV-BZ	ADD NEW POLE AND FIXTURE	15' - 0" AFG	OPF-AR1-BZ	B3-U0-G2	POLE MOUNT	0.064	128 W
	2	SMJ1	2	SIGNIFY	GARDCO OPF-S	OPF-S-A05-740-T5W-AR1-UNV-BZ	ADD NEW POLE AND FIXTURE	15' - 0" AFG	OPF-AR1-BZ	B4-U0-G3	POLE MOUNT	0.104	208 W
	2	SMK1	2	SIGNIFY	GARDCO OPF-M	OPF-M-A11-740-T5W-AR1-UNV-BZ	ADD NEW POLE AND FIXTURE	15' - 0" AFG	OPF-AR1-BZ	B5-U0-G3	POLE MOUNT	0.131	262 W
	3	SOV1	3	SIGNIFY	GARDCO OPF-S	OPF-S-A01-740-BLC-AR1-UNV-BZ	ADD NEW POLE AND FIXTURE	15' - 0" AFG	OPF-AR1-BZ	B0-U0-G1	POLE MOUNT	0.042	126 W
	3	SOW1	3	SIGNIFY	GARDCO OPF-S	OPF-S-A04-740-BLC-AR1-UNV-BZ	ADD NEW POLE AND FIXTURE	20' - 0" AFG	OPF-AR1-BZ	B1-U0-G2	POLE MOUNT	0.091	273 W
	3	STS1	-	SIGNIFY	PUREFORM	PWS-P-A03-740-3-UNV-BZ	ADD NEW FIXTURE	11' - 0" AFG	-	B1-U0-G1	WALL MOUNT	0.034	102 W
	1	STS2	-	SIGNIFY	PUREFORM	PWS-P-A03-740-3-UNV-WH	ADD NEW FIXTURE	15' - 0" AFG	-	B1-U0-G1	WALL MOUNT	0.034	34 W
	1	STW1	-	SIGNIFY	PUREFORM	PWS-P-A03-740-4-UNV-BZ	ADD NEW FIXTURE	15' - 0" AFG	-	B1-U0-G1	WALL MOUNT	0.034	34 W
	6	ZD1	-	-	-	-	OUT OF SCOPE	-	-	-	RECESSED CANOPY MOUNT	0.064	384 W
GRAND TOTAL WATTAGE													1551 W

NOTES:

1. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS.
2. ALL PROPOSED LIGHTS WILL BE FULL CUTOFF LED LIGHT FIXTURES.
3. ALL EXISTING LIGHTS WILL BE REPLACED WITH FULL CUT OFF LED LIGHT FIXTURES.
4. REFERENCE THE LUMINAIRE SCHEDULE (SHEET LU-2) FOR ADDITIONAL LIGHT FIXTURE INFORMATION.



BLUE = NEW FIXTURE
GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
ORANGE = EXISTING FIXTURE TO REMAIN
TURQUOISE = FIXTURE TO BE REMOVED
PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
= PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION
= INDICATES NEW SECURITY FENCE
= BURIED ELECTRICAL CIRCUIT

CALCULATION SUMMARY FULL SITE					
Calculation Points Name	Average	Maximum	Minimum	Ave/Min	Max/Min
FULL SITE @ GRADE	1.7 fc	23.2 fc	0.0 fc	0.0 fc	0.0 fc
PARKING LOT @ GRADE	3.3 fc	5.6 fc	0.8 fc	4.0 fc	6.8 fc
PROPERTY LINE @ GRADE	0.1 fc	0.5 fc	0.0 fc	0.0 fc	0.0 fc

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

THIS PLAN SET IS PROPRIETARY AND CONFIDENTIAL INFORMATION OF THE BANK AND THE USE OF THIS DESIGN IS PROHIBITED WITHOUT THE EXPRESS PERMISSION OF THE BANK

Bank of America

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

V2 251217

REVISION NO.	DESCRIPTION	REVISED BY
1		
2		
3		

Chipman Road
MO8-306
1801 NW Chipman Rd,
Lees Summit, MO 64081

FULL SITE PHOTOMETRICS PLAN

DESIGNED BY:	DRAWN BY:
SPG	SPG
REVIEWED BY:	APPROVED BY:
AWD	KRM

SHEET NO.
LU-4

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
RYAN D McPHILLIPS
NOTARY PUBLIC
ID#20150000034
MY COMMISSION EXPIRES 03/31/2026

FOR REFERENCE ONLY

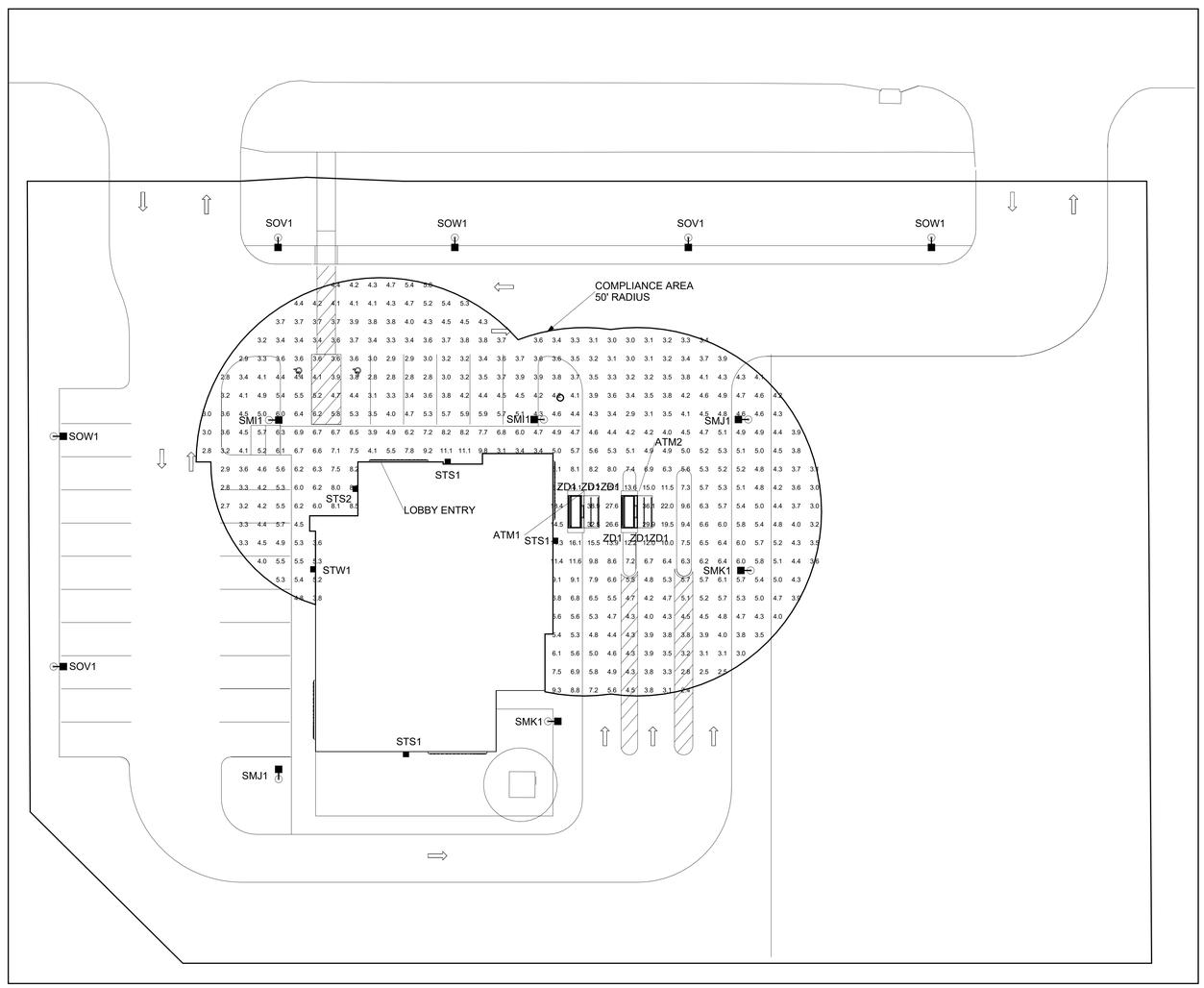
3/5/2026

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

Owner Approval
2550004415 Not to Scale
Job No. Scale

EXTERIOR LIGHTING PHOTOMETRICS

E00.1R



CALCULATION SUMMARY COMPLIANCE					
Calculation Points Name	Average	Maximum	Minimum	Ave/Min	Max/Min
ALL UNITS 50' @ 36"	5.6 fc	38.9 fc	2.4 fc	2.3 fc	15.9 fc

NOTES:

1. READINGS ARE MEASURED AT 36" (3') ABOVE GRADE.
2. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS.
3. REFERENCE THE LUMINAIRE SCHEDULE FOR ADDITIONAL LIGHT FIXTURE INFORMATION.
4. GC TO VERIFY WITH LOCAL AUTHORITY HAVING JURISDICTION ON TREE TRIMMING AND/OR REMOVAL PRIOR TO COMMENCING WORK.

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

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Bank of America

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TURQUOISE = FIXTURE TO BE REMOVED
PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
= PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION
= INDICATES NEW SECURITY FENCE
= BURIED ELECTRICAL CIRCUIT

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

V2 251217

REVISION NO.	DESCRIPTION	REVISED BY
1		
2		
3		

Chipman Road
MO8-306
1801 NW Chipman Rd,
Lees Summit, MO 64081

ATM COMPLIANCE AREA PHOTOMETRICS PLAN

DESIGNED BY:	DRAWN BY:
SPG	SPG
REVIEWED BY:	APPROVED BY:
AWD	KRM

SHEET NO.
LU-8

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

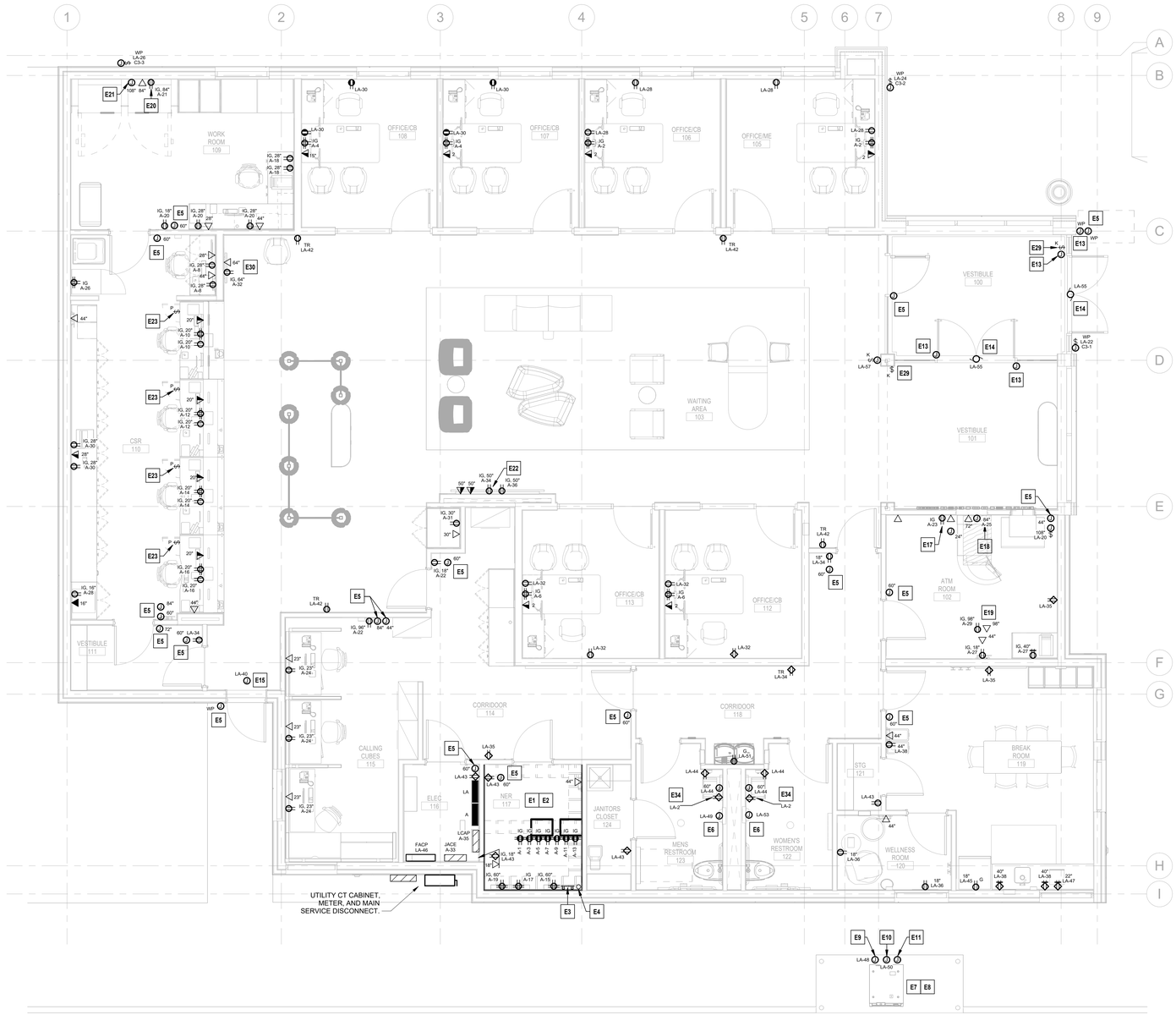
STATE OF MISSOURI
RYAN D McPHILLIPS
NUMBER PE-2013000034
ENGINEER
FOR REFERENCE ONLY
3/5/2026

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

Owner Approval
2550004415 Not to Scale
Job No. Scale

EXTERIOR LIGHTING PHOTOMETRICS

E00.2R



1 ELECTRICAL POWER PLAN
1/4" = 1'-0"

ELECTRICAL PLAN NOTES:

E1 REFER TO NER ROOM RACK ELEVATIONS ON ARCHITECTURAL SHEET A08.10 FOR MOUNTING OF RACK RECEPTACLES AND ROUTING OF CONDUIT ON RACK.

E2 PROVIDE 8'X4'X3/4" FIRE-RATED PLYWOOD BACKBOARDS MOUNTED VERTICALLY ALONG ALL NER ROOM WALLS. EXPOSED CONDUIT IN NER ROOM SHALL BE EMT. MC CABLE SHALL NOT BE EXPOSED. VERIFY EQUIPMENT LOCATIONS PRIOR TO INSTALLATION.

E3 PROVIDE A 12"X2"X1/4" GROUND BAR WITH STANDOFF INSULATORS ON TELEPHONE BACKBOARD. PROVIDE #4 COPPER GROUND CONNECTION TO TELEPHONE BACKBOARD GROUNDING BAR FROM ELECTRICAL SERVICE GROUNDING ROD. COORDINATE EXACT LOCATION ON BACKBOARD WITH TELEPHONE SERVICE PROVIDER. REFER TO DETAIL 1, SHEET E05.00 FOR ADDITIONAL INFORMATION.

E4 TELEPHONE SERVICE CONDUIT STUB-UP LOCATION.

E5 PROVIDE JUNCTION BOX WITH 3/4" STUB UP FOR CONNECTION TO SECURITY EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT AND SECURITY VENDOR PRIOR TO ROUGH-IN.

E6 PROVIDE JUNCTION BOX FOR POWER TO HAND DRYER. COORDINATE FINAL HAND DRYER LOCATION AND REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS PRIOR TO ROUGH-IN.

E7 COORDINATE ALL ELECTRICAL REQUIREMENTS OF DRIVE THROUGH EQUIPMENT WITH TELLER EQUIPMENT INSTALLER. INSTALLATION DRAWINGS SHALL BE PROVIDED BY DRIVE THROUGH EQUIPMENT SUPPLIER. PROVIDE COMPLETE INSTALLATION OF ELECTRICAL AND CONTROL WIRING REQUIRED BY DRIVE THROUGH EQUIPMENT INSTALLER.

E8 PROVIDE DEDICATED 30 AMP IG RECEPTACLE NEMA 5-30 AT EACH DRIVE UP. REFER TO ATA/ATM VENDOR CUT SHEETS ON BANK OF AMERICA RETAIL DESIGN STANDARDS WEBSITE FOR ADDITIONAL CONSTRUCTION DETAILS AND SPECIFIC DEVICE RELATED ELECTRICAL REQUIREMENTS. CORPORATE WORKPLACE PROJECT MANAGER IS RESPONSIBLE FOR DOWNLOADING A COPY OF THE VENDOR SPECIFIC ATA AND ATM INSTALLATION CUT SHEETS AND PROVIDING COPIES OF THESE CUT SHEETS TO THE GC. GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THEIR ELECTRICAL SUBCONTRACTOR IS PROVIDED A COPY OF THESE SAME INSTALLATION CUT SHEETS.

E9 PROVIDE JUNCTION BOX FOR CONNECTION TO DRIVE UP ATM. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH ARCHITECT AND ATM VENDOR PRIOR TO ROUGH-IN.

E10 PROVIDE JUNCTION BOX FOR CONNECTION TO DRIVE UP ATM SURROUND. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH ARCHITECT AND ATM VENDOR PRIOR TO ROUGH-IN.

E11 PROVIDE JUNCTION BOX FOR CONNECTION TO DRIVE UP ATM DATA. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH ARCHITECT AND ATM VENDOR PRIOR TO ROUGH-IN.

E13 PROVIDE JUNCTION BOX AS REQUIRED FOR MOTORIZED DOOR PUSH BUTTONS. COORDINATE REQUIREMENTS WITH DOOR VENDOR PRIOR TO INSTALLATION.

E14 PROVIDE POWER CONNECTION TO MOTORIZED DOOR. COORDINATE CONNECTION REQUIREMENTS WITH SECURITY VENDOR PRIOR TO INSTALLATION. PROVIDE 3/4" CONDUIT ROUTED TO NER ROOM FOR SECURITY VENDOR.

E15 PROVIDE JUNCTION BOX ABOVE CEILING FOR DYE PACK ACTIVATOR. COORDINATE WITH SECURITY.

E17 PROVIDE JUNCTION BOX FOR ALARM FEED TO ATM. COORDINATE INSTALLATION AND LOCATION WITH ATM INSTALLER. STUB 3/4" CONDUIT WITH PULL STRING TO 6" ABOVE ACCESSIBLE CEILING.

E18 PROVIDE ABOVE CEILING JUNCTION BOX AND 120V CIRCUIT FOR ATM SURROUND. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT INSTALLER.

E19 PROVIDE DEDICATED DUPLEX OUTLET AND DUAL DATA DROP 4" BELOW CEILING FOR 'NEVER DOWN WIFI' EQUIPMENT.

E20 PROVIDE IG DUPLEX RECEPTACLE FOR CCTV. COORDINATE LOCATION OF DUPLEX RECEPTACLE AND CABLE OUTLET (COAX BY OTHERS) WITH ARCHITECT. STUB 3/4" CONDUIT FROM CCTV JUNCTION BOX WITH PULL STRING TO 6" ABOVE ACCESSIBLE CEILING.

E21 PROVIDE JUNCTION BOX WITH 3/4"C STUB-UP. COORDINATE SPECIAL MOUNTING HEIGHT AND EXACT LOCATION WITH CASH VAULT INSTALLER.

E22 PROVIDE RECESSED FOUR GANG TV WALL BOX. GC/ARLINGTON INDUSTRIES TVBS613/09639. PROVIDE (1) DUPLEX RECEPTACLE, (1) CABLE TV OUTLET, (1) DATA OUTLET AND (1) BLANK PLATE. FIELD COORDINATE INSTALLATION WITH SECURITY CONSULTANT PRIOR TO ROUGH-IN.

E23 PROVIDE SPST PILOT LIGHT SWITCH IN EACH TELLER STATION SUCH THAT IT CONTROLS THE RECEPTACLES IN THAT STATION. THE SWITCH SHALL ALLOW THE TELLER TO TURN ON/OFF ALL EQUIPMENT AT THE TELLERS STATION. PROVIDE 3/4" ONE-PIECE STEEL SURFACE MOUNTED RACEWAY (WIREMOLD 700 SERIES) FROM THE SWITCH TO THE FIRST RECEPTACLE. METAL-CLAD (MC) CABLE IS NOT ALLOWED. COORDINATE EXACT LOCATION OF SWITCH WITH ARCHITECT.

E29 PROVIDE KEYED SWITCH FOR SECURITY OVERRIDE. COORDINATE REQUIREMENTS WITH SECURITY VENDOR. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

E30 PROVIDE (2) 1" CONDUITS TO RECESSED TWO GANG WALL BOX WITH PROVISIONS FOR (1) DUPLEX RECEPTACLE & (1) DATA OUTLET. FIELD COORDINATE INSTALLATION WITH SECURITY CONSULTANT PRIOR TO ROUGH-IN.

E34 PROVIDE POWER TO BACKLIT MIRROR. SEE MANUFACTURER DRAWINGS FOR MORE INFORMATION.

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
RYAN D MCPHILLIPS
NUMBER PE-2025000034
PROFESSIONAL ENGINEER

3/5/2026

RYAN D. MCPHILLIPS
LICENSE # PE-2025000034

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

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EXPIRES 12/31/2026

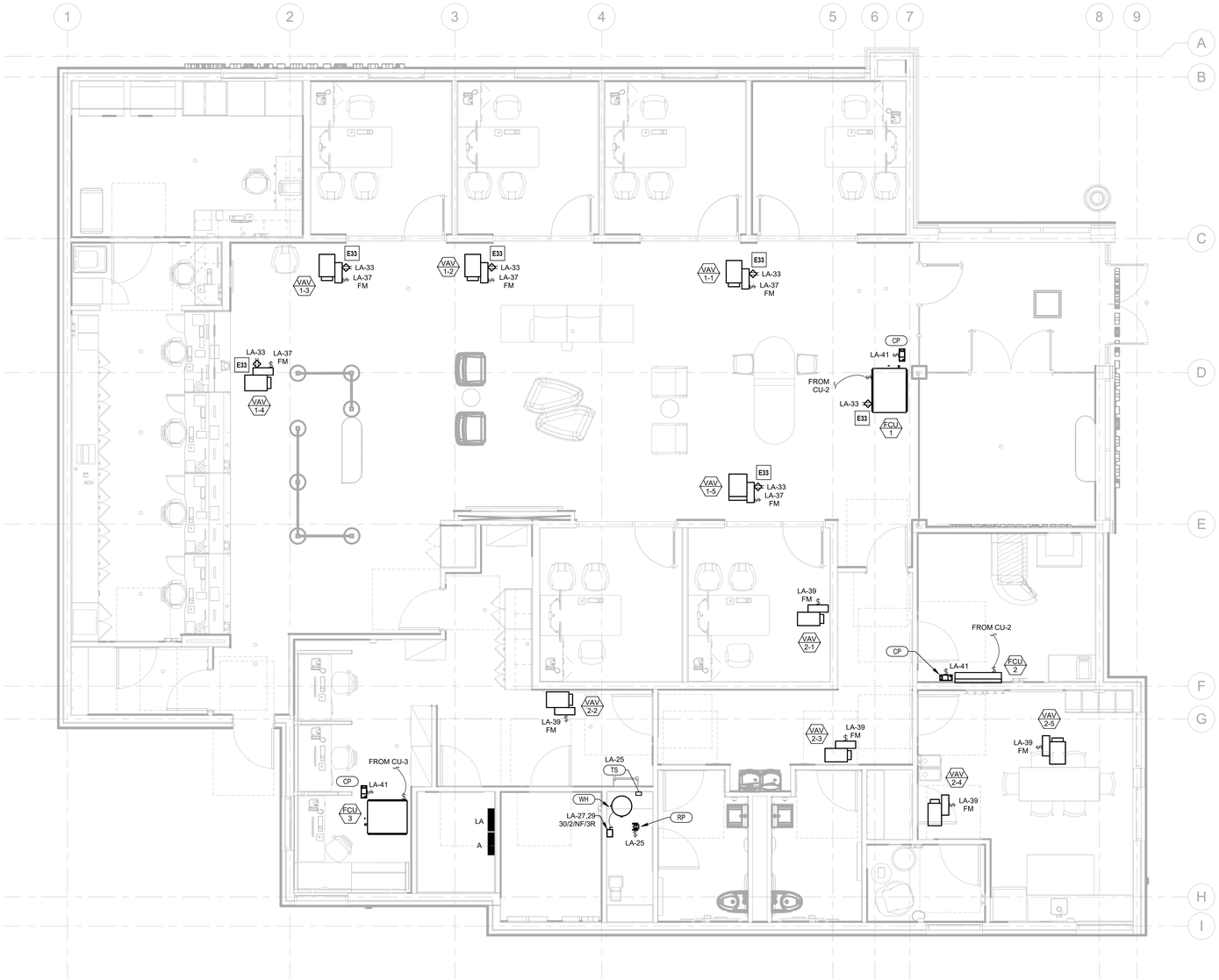
Owner Approval

2550004415 Job No.
As indicated Scale

ELECTRICAL POWER PLAN

E02.01

RYAN D. MCPHILLIPS



1 ELECTRICAL EQUIPMENT POWER PLAN
1/4" = 1'-0"

ELECTRICAL PLAN NOTES:

E33 MOUNT GFCI MAINTENANCE RECEPTACLE TO EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, PROVIDE CHANNEL-STRUT (UNISTRUT) SECURED TO STRUCTURE ADJACENT TO EQUIPMENT IN ACCORDANCE WITH OWNER REQUIREMENTS. COORDINATE REQUIREMENTS WITH OTHER TRADES PRIOR TO INSTALLATION.

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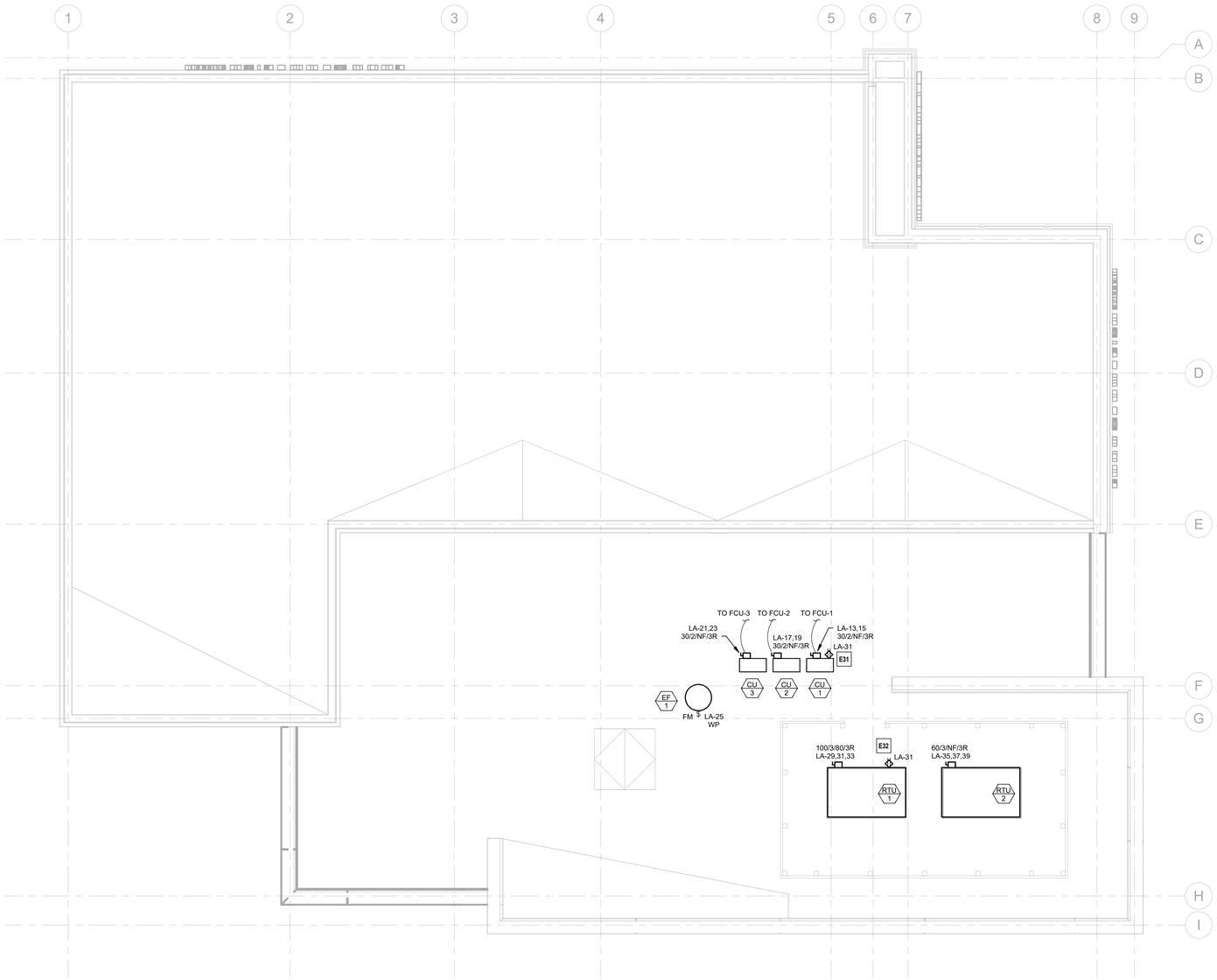
Owner Approval

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ELECTRICAL EQUIPMENT POWER PLAN

E02.02

RYAN D. MCPHILLIPS



1 ELECTRICAL ROOF EQUIPMENT POWER PLAN
1/4" = 1'-0"

☐ ELECTRICAL PLAN NOTES:

E31 PROVIDE WEATHER-RESISTANT (WR), GFCI DUPLEX MAINTENANCE RECEPTACLE WITH WEATHER PROOF (WP) "IN-USE" EXTRA DUTY OUTLET BOX HOOD. MOUNT TO EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. IF NOT POSSIBLE TO MOUNT ON UNIT, PROVIDE CHANNEL STRUT FOR SUPPORT.

E32 PROVIDE CONNECTION TO FURNISHED WEATHER-RESISTANT (WR), GFCI DUPLEX MAINTENANCE RECEPTACLE WITH WEATHERPROOF (WP) "IN-USE" EXTRA DUTY OUTLET BOX HOOD.

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ELECTRICAL ROOF POWER PLAN

E02.03

RYAN D. MCPHILLIPS



1 ELECTRICAL LIGHTING PLAN
1/4" = 1'-0"

LIGHTING GENERAL NOTES:

1. THE EMERGENCY LIGHTING SYSTEM HAS BEEN DESIGNED TO PROVIDE AN INITIAL FLOOR ILLUMINANCE LEVEL OF 1 FC AVERAGE, 0.1 FC MINIMUM AND NO MORE THAN A 40:1 MAX/MIN RATIO ALONG THE EMERGENCY EGRESS PATHS. WHERE APPLICABLE, ADJUST AIMING OF EMERGENCY LIGHTS AS REQUIRED TO PROVIDE PROPER ILLUMINATION AT FLOOR AVOIDING OBSTACLES AND SHADOWS AFTER STORE SET-UP IS COMPLETE.
2. PROVIDE LABEL AT EACH MANUAL LIGHT SWITCH INDICATING THE LIGHT FIXTURE(S) THAT THE SWITCH CONTROLS AND THE RESPECTIVE "PNLBD-CKT#" DESIGNATION. A SINGLE LIGHT SWITCH FOR A SMALL ROOM DOES NOT NEED TO INDICATE THE SPACE CONTROLLED SINCE IT IS INTUITIVELY OBVIOUS. COORDINATE LABEL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.
3. ALL REMOTELY LOCATED LIGHT FIXTURE POWER SUPPLIES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH PROPER VENTILATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONCEAL DEVICES AND RELATED WIRING FROM CUSTOMER/PUBLIC VIEW. PROVIDE ENCOSURE IF REQUIRED. COORDINATE LOCATION AND ENCLOSURE TYPE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
4. ROOM CONTROLLERS SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH PROPER VENTILATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
5. REFER TO THE ARCHITECTURAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS, MOUNTING HEIGHTS, TRACK LENGTHS AND ADDITIONAL MOUNTING INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT COORDINATION AND CONFLICT ISSUES ARE RESOLVED PRIOR TO INSTALLATION OF LIGHT FIXTURES. CONTACT ARCHITECT/ENGINEER IMMEDIATELY IF THERE ARE DISCREPANCIES.
6. THROUGH WIRING OF RECESSED LIGHT FIXTURES, IN SUSPENDED CEILINGS, IS NOT PERMITTED. CONNECT EACH LIGHT FIXTURE BY A WHIP TO A JUNCTION BOX. PROVIDE CABLE WHIPS OF SUFFICIENT LENGTHS TO ALLOW FOR RELOCATING EACH LIGHT FIXTURE WITHIN A 5'-0" RADIUS OF ITS INDICATED LOCATION. CABLE WHIPS SHALL NOT EXCEED 6'-0" OF UNSUPPORTED LENGTHS.
7. ALL EMERGENCY LIGHTS AND EXIT SIGNS WITH INTEGRAL BATTERY BACK-UP SHALL BE CONNECTED TO A SEPARATE UNSWITCHED CONDUCTOR BYPASSING ALL OTHER CONTROLS AND CONTACTORS, UNLESS NOTED OTHERWISE. EXIT SIGNS SHALL NOT BE SWITCHED. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR PROPER INSTALLATION AND TESTING. ALLOW BATTERY TO CHARGE FOR A MINIMUM OF **48** HOURS BEFORE LIGHT LEVEL TESTING. IN ORDER TO PREVENT BATTERY DAMAGE, DO NOT TURN OFF POWER FOR EXTENDED PERIODS OF TIME AFTER EMERGENCY LIGHT HAS BEEN POWERED.
8. PROVIDE A NEUTRAL CONDUCTOR TO ALL WALL MOUNTED LINE VOLTAGE LIGHT SWITCHES, UNLESS NOTED OTHERWISE. IF NEUTRAL TERMINATION IS NOT REQUIRED FOR THE DEVICE THEN CAP CONDUCTOR AND TAG AS "NEUTRAL FOR FUTURE USE".
9. COORDINATE ALL OCCUPANCY/VACANCY SENSOR SETTINGS WITH OWNER AND ADJUST AS NECESSARY FOR PROPER OPERATION. SETTINGS MUST COMPLY WITH AHJ AND LOCAL ENERGY CODE REQUIREMENTS.
10. DO NOT INSTALL OCCUPANCY/VACANCY SENSORS WITHIN 48 " OF AIR DIFFUSER OR SIMILAR OBSTRUCTION THAT MAY ADVERSLY AFFECT THE SENSOR PERFORMANCE. COORDINATE FINAL SENSOR LOCATIONS WITH OTHER TRADES AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

☐ ELECTRICAL PLAN NOTES:

L2 AREA IS DESIGNATED FOR SECURITY AND SHALL BE CONTINUOUSLY ILLUMINATED.
L3 DAYLIGHT ZONE DOES NOT REQUIRE AUTOMATIC DAYLIGHT CONTROLS PER 2018 IECC AS DAYLIGHT ZONE CONSISTS OF LESS THAN 150 WATTS.
L5 CENTRAL ZONE (LOBBY AREA) WALL DIMMER SWITCH. REFER TO SENSOR SWITCH SCHEDULE ON SHEET E06.00 FOR MORE INFORMATION.

BANK OF AMERICA

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ELECTRICAL LIGHTING PLAN

E03.01

RYAN D. MCPHILLIPS

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	SERIES / MODEL	SOURCE LAMP QTY	SOURCE MOUNTING	VOLTAGE	INPUT WATTS	INPUT VA	DESCRIPTION	NOTES
D-1	LITHONIA LIGHTING	UCEL-12IN-30K-90CRI-SWR-WH	1	UNDER CABINET	120	6	7	1'-0" LONG UNDERCOUNTER LED FIXTURE WITH WHITE HOUSING, 3000K COLOR LAMPS, 388 LUMENS AND UNIT MOUNTED ROCKER SWITCH. COORDINATE EXACT LENGTH WITH CABINETRY PRIOR TO PURCHASE.	
H	LITHONIA LIGHTING	ZL1N-L48-3000LM-FST-MVOLT-30K-80CRI-WH-HC36	1	CHAIN HUNG MOUNTED AT 8'-6" AFF	120	25	28	4'-0" LONG GENERAL PURPOSE CHAIN HUNG LED STRIP FIXTURE WITH ACRYLIC LENS, WHITE HOUSING, WIREGUARD AND 3000 LUMENS.	
HE	LITHONIA LIGHTING	ZL1N-L48-3000LM-FST-MVOLT-30K-80CRI-E7W-WH-HC36	1	CHAIN HUNG MOUNTED AT 8'-6" AFF	120	25	28	4'-0" LONG GENERAL PURPOSE CHAIN HUNG LED STRIP FIXTURE WITH ACRYLIC LENS, WHITE HOUSING AND 3000 LUMENS. PROVIDE EMERGENCY BACKUP WITH A MINIMUM LUMEN OUTPUT OF 833 FOR 90 MINUTES.	
OC	THE FLAG COMPANY	ORN-FPB-IH-6.5-D-12V	1	POLE MOUNT	120	3	3	FLAG POLE (TOP MOUNTED) DOWN-LIGHT FIXTURE WITH LED LAMPS (PROVIDED WITH FIXTURE).	
R-11.4	FOCAL POINT	FSM2L-FL-750LF-30K-1C-UNV-LD1-G2/TF-WH-4'	1	RECESSED GRID / HARD CEILING	120	24	26	4'-0" RECESSED LINEAR WITH FLUSH SATIN FINISH, 750 LUMENS PER FOOT, 0-10V DIMMING AND 3500°K LED LAMP. VERIFY CEILING CONFIGURATION WITH ARCHITECTURAL REFLECTED CEILING PLAN.	
R-11.8	FOCAL POINT	FSM2L-FL-750LF-30K-1C-UNV-LD1-G2/TF-WH-8'	1	RECESSED GRID / HARD CEILING	120	48	53	8'-0" RECESSED LINEAR WITH FLUSH SATIN FINISH, 750 LUMENS PER FOOT, 0-10V DIMMING AND 3500°K LED LAMP. VERIFY CEILING CONFIGURATION WITH ARCHITECTURAL REFLECTED CEILING PLAN.	
R-14	FOCAL POINT	FLC33D-SO-1300L-120V-LD1-1C (HOUSING) LC33-SO-1300L-30K-DNS-WFL-CD-WH (TRIM AND LED MODULE)	1	RECESSED GRID / HARD CEILING	120	16	18	3.5"X3.5" SQUARE OPEN REFLECTOR DOWNLIGHT WITH CLEAR REFLECTOR AND WHITE PAINTED FLANGE, 0-10V DIMMING, 1300 LUMENS, AND 3500°K LED LAMP.	
R-14E	FOCAL POINT	FLC33D-SO-1300L-120V-LD1-1C-EM (HOUSING) LC33-SO-1300L-30K-DNS-WFL-CD-WH (TRIM AND LED MODULE)	1	RECESSED GRID / HARD CEILING	120	16	18	3.5"X3.5" SQUARE OPEN REFLECTOR DOWNLIGHT WITH CLEAR REFLECTOR AND WHITE PAINTED FLANGE, 0-10V DIMMING, 700 LUMENS, AND 3500°K LED LAMP. PROVIDE 7W EMERGENCY BACKUP WITH A MINIMUM LUMEN OUTPUT OF 544 FOR 90 MINUTES.	
R-15	FOCAL POINT	FLC33W-SO-700L-120V-LD1-1C (HOUSING) LC33-SO-700L-30K-WWS-CD-WH (TRIM AND LED MODULE)	1	RECESSED GRID	120	11	12	3.5"X3.5" SQUARE WALL WASH DOWNLIGHT WITH ALUMINUM HOUSING, ALUMINUM HEAT SINK, ACRYLIC LENS WITH CLEAR REFLECTOR, AND WHITE PAINTED FLANGE, 0-10V DIMMING, 700 LUMENS AND 3500°K LED LAMP.	
R-19	FOCAL POINT	FLUL-24-PS-3000L-30K-1C-UNV-LD1-G-WH	1	RECESSED GRID	120	30	33	2X4 LED ARCHITECTURAL LAY-IN TROFFER WITH STEEL CONSTRUCTION, STEEL REFLECTORS, 3000 LUMENS, 3500°K WITH 0-10V DIMMING DRIVER.	
R-19E	FOCAL POINT	FLUL-24-PS-3500L-30K-1C-UNV-LD1-G-B310-WH	1	RECESSED GRID	120	30	33	2X4 LED ARCHITECTURAL LAY IN TROFFER, 3500 LUMENS, 3500°K WITH 0-10V DIMMING DRIVER. PROVIDE 20W EMERGENCY BACKUP WITH A MINIMUM LUMEN OUTPUT OF 2000 FOR 90 MINUTES.	
X	ACUITY BRANDS	EDGR-1-R-EL (SINGLE FACE) EDGR-2-R-EL (DOUBLE FACE)	1	RECESSED HARD CEILING	120	4	4	RECESSED CEILING MOUNT EDGE LIT LED (LAMPS INCLUDED) EXIT SIGN WITH CLEAR FACE AND RED LETTERS/CHEVRONS AND SATIN ALUMINUM FINISH WITH NUMBER OF FACES AND ARROWS AS DESIGNATED ON LIGHTING PLAN, INTEGRAL BATTERY BACKUP.	

LIGHTING CONTROL DEVICE SCHEDULE

LABEL	MANUFACTURER	MODEL	DESCRIPTION	SENSOR COVERAGE	VOLTAGE	NOTES
LINE-VOLTAGE DIMMING WALL SWITCH OCCUPANCY SENSORS						
OS	LEGRAND	DSW-301	WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. MULTI-WAY. INTEGRAL MANUAL OVERRIDE SWITCH. SINGLE RELAY. LINE-VOLTAGE. LOAD: 120V=1000W, 277V=1200W.	PIR MAJOR 30' x 35' PIR MINOR 15' x 20' ULT MAJOR 20' x 20' ULT MINOR 15' x 15'	120/277	
OSD	LEGRAND	DW-311	WALL MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. MULTI-WAY. INTEGRAL MANUAL OVERRIDE SWITCH. SINGLE RELAY. LINE-VOLTAGE. 0-10V DIMMING. 50mA SINK. LOAD: 120V=1000W, 277V=1200W.	PIR MAJOR 30' x 35' PIR MINOR 15' x 20' ULT MAJOR 20' x 20' ULT MINOR 15' x 15'	120/277	
VS	LEGRAND	DSW-301	WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. MULTI-WAY. INTEGRAL MANUAL OVERRIDE SWITCH. SINGLE RELAY. LINE-VOLTAGE. LOAD: 120V=1000W, 277V=1200W.	PIR MAJOR 30' x 35' PIR MINOR 15' x 20' ULT MAJOR 20' x 20' ULT MINOR 15' x 15'	120/277	
NETWORK DAYLIGHT SENSORS						
D1	LEGRAND	LMLS-400	DIGITAL SINGLE ZONE CLOSED LOOP PHOTOSENSOR.		24	
NETWORK LIGHTING SWITCHES						
LVD	LEGRAND	LMDM-101	DIGITAL SWITCH FOR MANUAL ON/OFF/DIMMING CONTROL. INTEGRAL LED ILLUMINATES WHEN LOAD IS ON. (2) RJ45 PORTS. IR TRANSCEIVER FOR WIRELESS SETUP.		24	4
RC	LEGRAND	LMSW-105	DIGITAL 4-BUTTON SWITCH FOR MANUAL ON/OFF AND SCENE CONTROL WITH RAISE/LOWER. INTEGRAL LED AT EACH BUTTON ILLUMINATES WHEN LOAD IS ON. (2) RJ45 PORTS. IR TRANSCEIVER FOR WIRELESS SETUP. REFER TO SWITCH SCHEDULE FOR PROGRAMMING.		24	4
NETWORK OCCUPANCY SENSORS						
A	LEGRAND	LMPC-100	CEILING MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. 360 DEGREE COVERAGE. DIGITAL. (2) RJ45 PORTS. IR TRANSCEIVER FOR WIRELESS SETUP.	MAJOR 31' Ø MINOR 15' Ø	24	3
B	LEGRAND	LMPX-100	CEILING/WALL MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. 90 DEGREE COVERAGE. DIGITAL. (1) RJ45 PORT. IR TRANSCEIVER FOR WIRELESS SETUP.	MAJOR 40' Ø MINOR 15' Ø	24	3
NETWORK ROOM CONTROLLERS (POWER PACK)						
RC1	LEGRAND	LMRC-211	DIGITAL ROOM CONTROLLER FOR ON/OFF/0-10V DIMMING CONTROL OF LIGHTING LOADS. (1) 20A LOAD INPUT, (1) RELAY OUTPUT. 100mA SINK PER RELAY. MANUAL-, PARTIAL-, AND AUTO-ON MODES.		120/277	1,2
RC2	LEGRAND	LMRC-212	DIGITAL ROOM CONTROLLER FOR ON/OFF/0-10V DIMMING CONTROL OF LIGHTING LOADS. (1) 20A LOAD INPUT, (2) RELAY OUTPUT. 100mA SINK PER RELAY. MANUAL-, PARTIAL-, AND AUTO-ON MODES.		120/277	1,2

LIGHT CONTROL SEQUENCE OF OPERATIONS:

A. HOURS/MODES OF OPERATION

General Note: Confirm all timeclock schedules and sensor time delays for occupied hours and business hours with owner prior to final programming.

B. GENERAL REQUIREMENTS
1. Emergency Lighting: Emergency egress lighting is powered from emergency battery ballasts and drivers integral to fixtures designated as emergency. Upon loss of power, all lights designated as emergency shall turn on at full emergency battery back-up output.

C. WAITING AREA 103, CENTRAL ZONE 104
1. Timeclock: Space is networked to central JACE timeclock.
2. Manual Control: Occupant can manually control lights via remotely-located switch(es). Switch(es) can also override timeclock setting for 2 hours maximum.
3. Occupancy: Lighting shall automatically turn on to 50% during occupied hours, and the occupant may manually adjust the dimming level via switch.Confirm times with Owner.
4. Vacancy: Lights shall turn off automatically based on timeclock schedule. Refer to Occupancy section above for operation schedule. Lights shall flicker-warn 5 minutes prior to turning off.

D. VESTIBULE 111, CORRIDOR 118
1. Timeclock: Space is networked to central JACE timeclock but is controlled locally.
2. Manual Control: Occupant can manually control lights via local switch(es).
3. Occupancy: Lights shall turn on automatically.
4. Vacancy: During occupied hours, lights shall dim to 50%. During unoccupied hours, lights shall turn off.

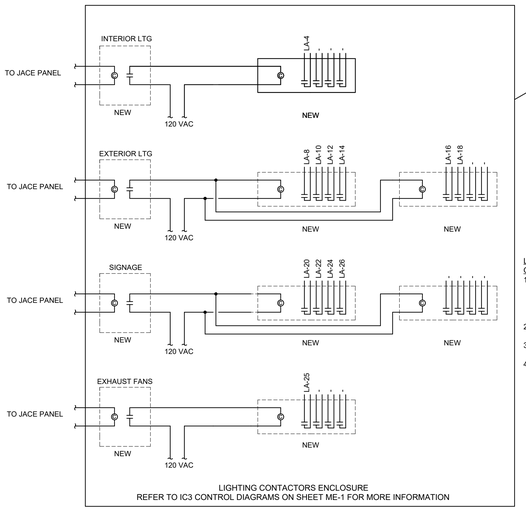
E. VESTIBULE 100, VESTIBULE 101
1. Timeclock: Space is networked to central JACE timeclock but shall remain on 24/7 as space is open to the public 24/7.
2. Manual Control: Occupant can manually control lights via remotely-located switch(es). Switch(es) can also override timeclock setting for 2 hours maximum.

F. WOMEN'S RESTROOMS 122, MEN'S RESTROOM 123
1. Timeclock: Space is stand-alone (not-networked).
2. Manual Control: Occupant can manually control lights via local switch(es).
3. Occupancy: All controlled loads shall automatically turn on.
4. Vacancy: After 20 minutes, all controlled loads shall turn off.

G. ATM ROOM 102, WORK ROOM 109, CSR 110, CALLING CUBES 115, NER 117, BREAK ROOM 119, WELLNESS ROOM 120, STG 121, JANITOR'S ROOM 124
1. Timeclock: Space is stand-alone (not networked).
2. Manual Control: Occupant can manually turn lights on/off via local switch(es) (and adjust dimming level, where applicable).
3. Occupancy: Lights shall automatically turn on.
4. Vacancy: After 20 minutes, all controlled loads shall turn off.

H. ME OFFICE 105, CB OFFICE 106, CB OFFICE 107, CB OFFICE 108, CB OFFICE 112, CB OFFICE 113
1. Timeclock: Space is stand-alone (not networked).
2. Daylight: General lighting within the daylight zone shall be continuously dimmed automatically. Setpoint: the lowest light level permitted shall be measured at the task plane with only electric light contributions. Fixtures shall not dim below 20% as determined by the Owner.
2. Manual Control: Occupant can manually control lights via local switch.
3. Occupancy: Lights shall automatically turn on.
4. Vacancy: After 20 minutes all controlled loads shall turn off.

I. ELECTRICAL ROOM 116
1. Timeclock: Space is stand-alone (not networked).
2. Manual Control: Occupant can manually control lights via local switch.



LIGHTING CONTACTORS AND PILOT RELAYS IN NEMA 1 ENCLOSURE. PROVIDE NEW ENCLOSURE LARGE ENOUGH FOR EXISTING AND NEW CONTACTORS. SEE IC3 DRAWINGS FOR MORE INFORMATION.

LIGHTING CONTROL SEQUENCE OF OPERATION:
1. INTERIOR LIGHTING: TIMER CONTROL WITH OVERRIDE FOR AFTER-HOURS OPERATION. OVERRIDE SHALL BE DONE VIA THERMOSTAT AND JACE PANEL.
2. EXTERIOR LIGHTING: PHOTOCELL "ON" AND PHOTOCELL "OFF".
3. SIGNAGE: PHOTOCELL "ON" AND TIMER CONTROL "OFF".
4. HOLIDAY SCHEDULING OVERRIDE.

① LIGHTING CONTACTOR PANEL 'LCP'
12" = 1'-0"

LIGHT FIXTURE SCHEDULE GENERAL NOTES:

A. BOA HAS ENTERED INTO NATIONAL AGREEMENT WITH SHEALY ELECTRICAL WHOLESALERS, INC., WIEDENBACH BROWN AND WALTERS WHOLESALE TO FURNISH LIGHTING FIXTURES. FOR INFORMATION REGARDING PRICING, PURCHASING, ORDERING, SHIPPING, AND DELIVERY COORDINATION CONTACT TRAVIS DOAK; (960) 636-5731 -- TDOAK@SHEALYELECTRICAL.COM OR CONTACT JAY MELFI; (714) 545-2022 - JAY.MELFI@WALTERSWHOLESALE.COM. NO SUBSTITUTIONS WILL BE ALLOWED, AND CONTRACTOR MUST SUBMIT 1 SET OF APPROVED FIXTURE CUT SHEETS FOR EACH PROJECT.

B. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT NECESSARILY BE REFLECTED IN CATALOG NUMBER AND/OR DESCRIPTION IN THIS SCHEDULE.

C. ALL LAMPS AND FIXTURES SHALL BE 3500K COLOR TEMPERATURE WITH A CRI OF AT LEAST 80.

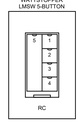
D. ALL BALLASTS OR DRIVERS FOR EXTERIOR LIGHT FIXTURES SHALL BE RATED TO START LAMPS AT MINUS 20 DEGREES F WHERE AVAILABLE TO THE TRADE AND MINUS 0 DEGREE F OTHERWISE.

LIGHT CONTROL DEVICE SCHEDULE NOTES:

GENERAL NOTES:
A. REFER TO ELECTRICAL SPECIFICATIONS AND ADDITIONAL REQUIREMENTS WHICH MAY NOT BE REFLECTED IN CATALOG NUMBER AND DESCRIPTION IN THE SCHEDULE.

NOTES:
1. CONTRACTOR SHALL PROVIDE THE APPROPRIATE NUMBER OF ROOM CONTROLLER FOR THE PROJECT.
2. CONTRACTOR SHALL PROVIDE 4"x4" JUNCTION BOX AS REQUIRED. SEE DETAILS ON DRAWING E06.00.
3. REFER TO LIGHTING SEQUENCE OF OPERATIONS FOR PROGRAMMING REQUIREMENTS OF OCCUPANCY SENSORS.
4. USE BLACK FINISH FOR WALLS WITH DARK PAINT. USE WHITE FINISH FOR WALLS WITH WHITE OR LIGHT PAINT. SEE ARCHITECTURAL FINISH PLAN FOR MORE INFORMATION.
5. PROVIDE WIRELESS CONFIGURATION TOOL TO CONFIGURE DIGITAL LIGHTING MANAGEMENT DEVICES.

WATTSTOPPER LMSW 5-BUTTON

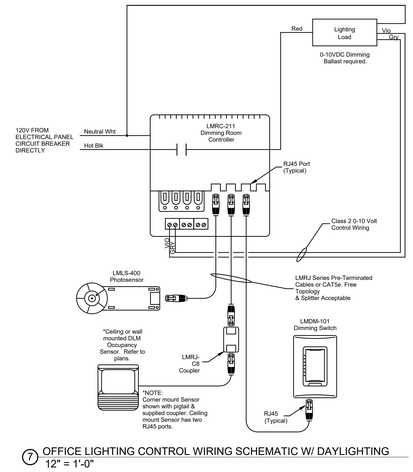


5-BUTTON 'RC' SWITCH SCHEDULE		
BUTTON	LIGHTING TO BE CONTROLLED	LABEL
1	CENTRAL ZONE, WAITING AREA	ALL ON/OFF TOGGLE
2	CENTRAL ZONE, WAITING AREA	100% DIM PRESET
3	CENTRAL ZONE, WAITING AREA	75% DIM PRESET
4	CENTRAL ZONE, WAITING AREA	50% DIM PRESET
5	CENTRAL ZONE, WAITING AREA	DIMMER RAISE/LOWER

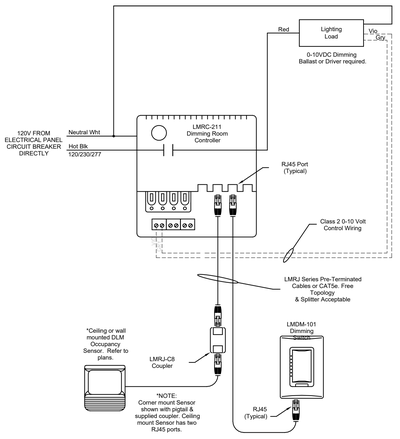
② SWITCH SCHEDULE
12" = 1'-0"

FIXTURES DESIGNATED WITH A "1/2 SHADE" OR "FULL SHADE" SHALL HAVE EMERGENCY BATTERY BACKUP FOR A MINIMUM OF 90 MINUTES.

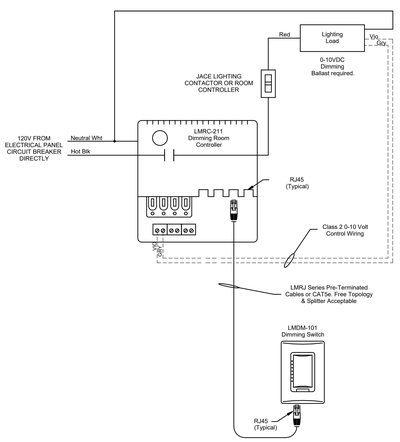
FOR REFERENCE ONLY



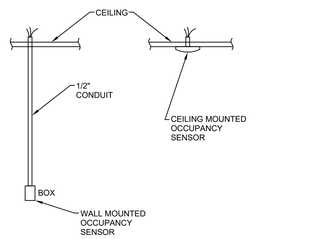
⑦ OFFICE LIGHTING CONTROL WIRING SCHEMATIC W/ DAYLIGHTING
12" = 1'-0"



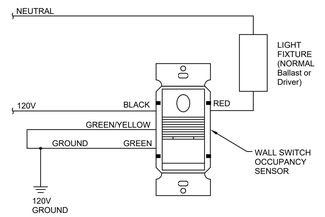
③ OFFICE LIGHTING CONTROL WIRING SCHEMATIC
12" = 1'-0"



⑥ CSR LINE / CASH WINDOW CONTROL WIRING SCHEMATIC
12" = 1'-0"



⑤ OCCUPANCY SENSOR ELEVATION
12" = 1'-0"



④ WALL SWITCH OCCUPANCY SENSOR WIRING SCHEMATIC
12" = 1'-0"

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
RYAN D McPHILLIPS
NUMBER PE-2025000034
PROFESSIONAL ENGINEER

3/5/2026

RYAN D. MCPHILLIPS
LICENSE # PE-2025000034

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

Owner Approval

2550004415 — Not to Scale
Job No. — Scale

ELECTRICAL LIGHTING SCHEDULES AND DETAILS

E04.01

RYAN D. MCPHILLIPS

PANELBOARD: LA

FAULT CURRENT: REFER TO SHORT-CIRCUIT CALCS
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: BANK
MOUNTING: SURFACE
LOCATION: ELEC 116

EQUIPMENT GROUND BUS
ISOLATED GROUND BUS

SUB FEED LUGS

BUS AMPS: 400A
MAIN SIZE/TYPE: 400A MCB
VOLTS/PHASE: 208Y/120 V 3P/4W
SUPPLIED BY: REFER TO ONE-LINE

BANK
SERVICE SQUARE FOOTAGE: 4594

LINE-SIDE LUGS: MECHANICAL

CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR AMP	P	PHASE A	PHASE B	PHASE C	P	BKR AMP	WIRE SIZE	NOTES	LOAD TYPE	DESCRIPTION	CKT NO.
1							4660 1352			1	20	12		L	BOH LIGHTING	2
3	RTU-1	H C M		4	80	3		4660 755		1	20	12	CP	L	LOBBY LIGHTING	4
5									4660 797	1	20	12	CP	L	OFFICE LIGHTING	6
7							2779 170			1	20	12	CP	L	EXTERIOR BUILDING MOUNT LIGHTING	8
9	RTU-2	H C M		8	50	3		2779 239		1	20	12	CP	L	NORTH POLE LIGHTING	10
11									2779 155	1	20	12	CP	L	EAST POLE LIGHTING 1	12
13	CU-1/FCU-1	C M		12	15	2	1162 146			1	20	12	CP	L	EAST POLE LIGHTING 2	14
15								1162 457		1	20	12	CP	L	WEST POLE LIGHTING	16
17	CU-2/FCU-2	C M		12	15	2			800 1200	1	20	12	CP	S	N BUILDING SIGNAGE	18
19							800 1200			1	20	12	CP	S	N BUILDING SIGNAGE	20
21	CU-3/FCU-3	C M		12	15	2		983 1200		1	20	12	CP	S	E BUILDING SIGNAGE	22
23									983 730	1	20	12	CP	R	OFFICE 105/106 CONTROLLED RCPTS	24
25	EF-1/RP/TS	Z M		12	15	1	118 730			1	20	12	CP	R	OFFICE 107/108 CONTROLLED RCPTS	26
27	WH	U		10	30	2		2250 730		1	20	12	CP	R	OFFICE 109/110 CONTROLLED RCPTS	28
29									2250 365	1	20	12	CP	R	WORK ROOM CONTROLLED RCPTS	30
31	ROOFTOP MAINTENANCE RCPTS	R		12	20	1	360 540			1	20	12		R	BREAK ROOM CONTROLLED RCPTS	32
33	FOH HVAC MAINTENANCE RCPTS	R		12	20	1		1080 540		1	20	12		R	CORRIDOR RCPTS	34
35	BOH HVAC MAINTENANCE RCPTS	R		12	20	1			540 365	1	20	12		R	WELLNESS RCPTS	36
37	FOH VAVS	Z		12	15	1	250 540			1	20	12		R	BREAK ROOM RCPTS	38
39	BOH VAVS	Z		12	15	1		250 180		1	20	12		Z	DOOR SECURITY EQUIP	40
41	CONDENSATE PUMPS	M		12	15	1			540 720	1	20	12		R	LOBBY GENERAL RCPTS	42
43	ELEC/NER/STG/JANITOR RCPT	R		12	20	1	900 720			1	20	12		R	RESTROOM RCPTS	44
45	REFRIGERATOR	Z	GF	12	20	1		800 360		1	20	12	FA	Z	FACP	46
47	MICROWAVE	Z		12	20	1			1000 3	1	20	12	CP	L	FLAG POLE LIGHT	48
49	RESTROOM HAND DRYER 1	Z	LCK	12	20	1	1200 1200			1	20	12	CP	S	ATM SIGNAGE	50
51	ELEC WATER COOLER	Z	GF	12	20	1		500 500		1	20	12		Z	DRIVE THRU ATM 1	52
53	RESTROOM HAND DRYER 2	Z	LCK	12	20	1			1200 500	1	20	12		Z	DRIVE THRU ATM 1 SURROUND	54
55	MOTORIZED DOOR OPENERS	M		12	20	1	1000 500			1	20	12		Z	DRIVE THRU ATM 2	56
57	OVERHEAD COILING DOOR	Z		12	20	1		500 500		1	20	12		Z	DRIVE THRU ATM 2 SURROUND	58
59	SPARE				20	1			0 0	1	20				SPARE	60
61							0 5320									62
63	UNUSABLE SPACE					3		0 4640		3	200	OL		R Z	PNLBD A VIA SUBFEED BREAKER	64
65									0 4960							66
		TOTAL LOAD (VA):					25648 VA	25066 VA	24547 VA							
		TOTAL AMPS:					214 A	210 A	205 A							

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	18108 VA	0%	0 VA
HEATING (H)	18500 VA	100%	18500 VA
LIGHTING (L) (PER NEC-220)	16079 VA	125%	20099 VA
RECEPTACLES (R)	18220 VA	77%	14110 VA
MOTORS (M)	5605 VA	100%	5605 VA
SUPPLEMENTAL HEAT (U)	4500 VA	100%	4500 VA
MISC EQUIP (Z)	13800 VA	100%	13800 VA
REFRIGERATION (F)	0 VA	100%	0 VA
SIGNAGE (S)	4800 VA	125%	6000 VA
KITCHEN (K)	0 VA	100%	0 VA
LARGEST MOTOR (0.25HP)	696 VA	125%	870 VA
SHOW WINDOW (W)	0 VA	125%	0 VA
TRACK LIGHTING	0 VA	100%	0 VA

PANELBOARD NOTES

PANELBOARD TOTALS	
TOTAL CONNECTED LOAD	100308 VA
TOTAL NEC LOAD	83484 VA
TOTAL CONNECTED CURRENT	278 A
TOTAL NEC DEMAND CURRENT	232 A

PANELBOARD: A

FAULT CURRENT: REFER TO SHORT-CIRCUIT CALCS
AIC RATED: FULLY RATED
AIC RATING: FCA +10% MINIMUM
SERVES: BANK
MOUNTING: SURFACE
LOCATION: ELEC 116

EQUIPMENT GROUND BUS
ISOLATED GROUND BUS

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO
VOLTS/PHASE: 208Y/120 V 3P/4W
SUPPLIED BY: LA

LINE-SIDE LUGS: MECHANICAL

CKT NO.	DESCRIPTION	LOAD TYPE	NOTES	WIRE SIZE	BKR AMP	P	PHASE A	PHASE B	PHASE C	P	BKR AMP	WIRE SIZE	NOTES	LOAD TYPE	DESCRIPTION	CKT NO.
1	NER TECH 1A	Z	IG	12	20	1	360 720			1	20	12	IG	R	OFFICE 105/106 WS RCPTS	2
3	NER TECH 1B	Z	IG	12	20	1		360 720		1	20	12	IG	R	OFFICE 107/108 WS RCPTS	4
5	NER TECH 1C	Z	IG	12	20	1			360 720	1	20	12	IG	R	OFFICE 109/110 WS RCPTS	6
7	NER TECH 1D	Z	IG	12	20	1	360 540			1	20	12	IG	R	CSR WS RCPTS 1	8
9	NER TECH 2A	Z	IG	12	20	1		360 540		1	20	12	IG	R	CSR WS RCPTS 2	10
11	NER TECH 2B	Z	IG	12	20	1			360 540	1	20	12	IG	R	CSR WS RCPTS 3	12
13	NER TECH 2C	Z	IG	12	20	1	360 540			1	20	12	IG	R	CSR WS RCPTS 4	14
15	NER ROOM RCPT 1	R	IG	12	20	1		360 540		1	20	12	IG	R	CSR WS RCPTS 5	16
17	NER ROOM RCPT 2	R	IG	12	20	1			360 360	1	20	12	IG	R	WORK ROOM RCPTS 1	18
19	NER ROOM RCPT 3	R	IG	12	20	1	360 540			1	20	12	IG	R	WORK ROOM RCPTS 2	20
21	WORK ROOM CASH VAULT	R	IG	12	20	1		180 360		1	20	12	IG	R	CALLING CUBES RCPTS 1	22
23	ATM 2	Z	IG	12	20	1			500 540	1	20	12	IG	R	CALLING CUBES RCPTS 2	24
25	ATM SURROUND	Z	IG	12	20	1	500 360			1	20	12	IG	R	TABLET CHARGING	26
27	ATM ROOM RCPTS	R	IG	12	20	1		360 180		1	20	12	IG	Z	CSR PRINTER 1	28
29	NEVER DOWN WI-FI	R	IG	12	20	1			180 360	1	20	12	IG	R	CSR PRINTER 2	30
31	LOBBY PRINTER RCPT	R	IG	12	20	1	180 500			1	20	12	IG	Z	DIGITAL POSTER	32
33	JACE	Z	IG	12	20	1		180 500		1	20	12	IG	Z	VIDEO WALL RCPT 1	34
35	LCAP	Z	IG	12	20	1			180 500	1	20	12	IG	Z	VIDEO WALL RCPT 2	36
37	SPARE				20	1	0 0			1	20				SPARE	38
39	SPARE				20	1		0 0		1	20				SPARE	40
41	SPARE				20	1			0 0	1	20				SPARE	42
		TOTAL LOAD (VA):					5320 VA	4640 VA	4960 VA							
		TOTAL AMPS:					45 A	39 A	42 A							

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	0 VA	0%	0 VA
HEATING (H)	0 VA	100%	0 VA
LIGHTING (L)	0 VA	125%	0 VA
RECEPTACLES (R)	9360 VA	100%	9360 VA
MOTORS (M)	0 VA	100%	0 VA
SUPPLEMENTAL HEAT (U)	0 VA	100%	0 VA
MISC EQUIP (Z)	5560 VA	100%	5560 VA
REFRIGERATION (F)	0 VA	100%	0 VA
SIGNAGE (S)	0 VA	125%	0 VA
KITCHEN (K)	0 VA	100%	0 VA
LARGEST MOTOR	0 VA	125%	0 VA
SHOW WINDOW (W)	0 VA	125%	0 VA
TRACK LIGHTING	0 VA	100%	0 VA

PANELBOARD NOTES

PANELBOARD TOTALS	
TOTAL CONNECTED LOAD	14920 VA
TOTAL NEC LOAD	14920 VA
TOTAL CONNECTED CURRENT	41 A
TOTAL NEC DEMAND CURRENT	41 A

PANELBOARD LEGEND

ABBREVIATIONS V1.01

AF	ARC FAULT CIRCUIT INTERRUPTER.
C#	CIRCUIT VIA CONTACTOR #.
CL	CIRCUIT VIA CURRENT LIMITING DEVICE.
D	DISCONNECT CIRCUITRY FOR REMOVED LOAD, UPDATE CIRCUIT DIRECTORY TO SPARE AND TURN OFF.
EM	EMERGENCY LIGHTING HANDLE-ON CLAMP.
EX	EXISTING.
F	FUTURE LOAD; NOTE AS SPARE AND TURN OFF.
FA	RED/HANDLE-ON CLAMP.
GF	GROUND-FAULT CIRCUIT INTERRUPTER TYPE CIRCUIT BREAKER (5 mA).
GFEP	GROUND FAULT EQUIPMENT PROTECTION BREAKER (30 mA).
HT	PROVIDE HANDLE-TIE FOR MULTI-WIRE BRANCH CIRCUIT PER CODE.
IG	ISOLATED GROUND CIRCUIT.
L#	LIGHTING CONTROL SCHEME NUMBER.
LCK	HANDLE PADLOCKABLE-OFF DEVICE.
LO	HANDLE-ON CLAMP.
N	PROVIDE NEW CIRCUIT BREAKER.
OL	REFER TO ELECTRICAL ONE-LINE/RISER DIAGRAM.
PS	POWER-SWITCHING CIRCUIT BREAKER.
PSE	EMERGENCY POWER-SWITCHING CIRCUIT BREAKER.
R	REUSE EXISTING CIRCUIT BREAKER FOR NEW/REVISED LOAD.
RP	CIRCUIT VIA RELAY PANEL.
ST	SHUNT TRIP CIRCUIT BREAKER.
V	VERIFY EXISTING LOAD AND UPDATE DIRECTORY, IF UNUSED, NOTE AS SPARE AND TURN OFF.
VD	BRANCH CIRCUITRY HAS BEEN UPSIZED TO REDUCE VOLTAGE DROP. ADJUST GROUND WIRE SIZE PER CODE. PROVIDE LUG ADAPTORS IF REQUIRED.
Z	CORRECT/REPAIR EXISTING HAZARD TO MAKE CODE COMPLIANT INSTALLATION.

NOT ALL ABBREVIATIONS ARE USED.

SERVICE LOAD SUMMARY (LA)

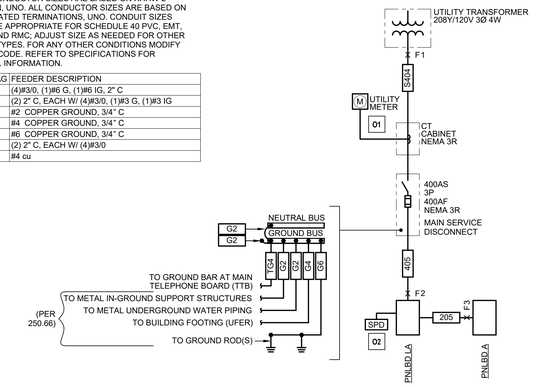
SERVICE OCCUPANCY: BANK
SERVICE SQUARE FOOTAGE: 4594
SERVICE VOLTAGE: 208Y/120 V

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	NEC DEMAND
EXISTING LOAD (E)	0 VA	100%	0 VA
COOLING (C)	18108 VA	0%	0 VA
HEATING (H)	18500 VA	100%	18500 VA
LIGHTING (L) (PER NEC-220)	16079 VA	125%	20099 VA
RECEPTACLES (R)	18220 VA	77%	14110 VA
MOTORS (M)	5605 VA	100%	5605 VA
SUPPLEMENTAL HEAT (U)	4500 VA	100%	4500 VA
MISC EQUIP (Z)	13800 VA	100%	13800 VA
REFRIGERATION (F)	0 VA	100%	0 VA
SIGNAGE (S)	4800 VA	125%	6000 VA
KITCHEN (K)	0 VA	100%	0 VA
LARGEST MOTOR (0.25HP)	696 VA	125%	870 VA
SHOW WINDOW (W)	0 VA	125%	0 VA
TRACK LIGHTING	0 VA	100%	0 VA
TOTAL LOAD	100308	VA	83484
TOTAL AMPACITY	278	AMPS	232
SERVICE AMPACITY		AMPS	400
SPARE CAPACITY		AMPS	168

FEEDER SCHEDULE:

SIZES ARE BASED ON COPPER (CU) THHN/THWN-2 INSULATION, UNO. NUMBER DESIGNATIONS PRECEDED BY "A" INDICATE THAT THE SIZE IS BASED ON ALUMINUM (AL) WIRE. AL CONDUCTOR SIZES ARE BASED ON XHHW-2 INSULATION, UNO. ALL CONDUCTOR SIZES ARE BASED ON 75 DEG C RATED TERMINATIONS, UNO. CONDUIT SIZES SHOWN ARE APPROPRIATE FOR SCHEDULE 40 PVC, EMT, GRS, IMC AND RMC; ADJUST SIZE AS NEEDED FOR OTHER RACEWAY TYPES. FOR ANY OTHER CONDITIONS MODIFY SIZES PER CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FEEDER TAG	FEEDER DESCRIPTION
205	(4)#3/0, (1)#6 G, (1)#6 IG, 2" C
405	(2) 2" C, EACH W/ (4)#3/0, (1)#3 G, (1)#3 IG
G2	#2 COPPER GROUND, 3/4" C
G4	#4 COPPER GROUND, 3/4" C
G6	#6 COPPER GROUND, 3/4" C
S404	(2) 2" C, EACH W/ (4)#3/0
TG4	#4 cu



1 ELECTRICAL ONELINE
NTS

☐ ELECTRICAL PLAN NOTES:

01 CT CABINET AND METER TO MEET ALL UTILITY REQUIREMENTS. ELECTRICAL CONTRACTOR TO VERIFY UTILITY REQUIREMENTS PRIOR TO PURCHASE.

02 LOCATE SPD ADJACENT TO PANELBOARD AND USE SHORTEST AND STRAIGHTEST LENGTH OF CONNECTION WIRING AS PRACTICABLE. LOCATE SPD SO THAT THE CONDUIT PENETRATES PANELBOARD ENCLOSURE NEAR NEUTRAL BUS AND SEAL CONDUIT WITH FIRE STOP. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

ONE-LINE DIAGRAM GENERAL NOTES:

1. THE INFORMATION SHOWN IN THE SHORT-CIRCUIT AND VOLTAGE DROP CALCULATIONS SCHEDULE IS SHOWN FOR CALCULATION PURPOSES ONLY. CONTRACTOR SHALL NOT USE THE CONDUIT TYPES, CONDUCTOR TYPES, SIZES, QUANTITIES OR LENGTHS FOR TAKEOFFS OR BIDDING PURPOSES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THIS SCHEDULE AND OTHER PORTIONS OF THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF AS-BUILT CONDITIONS THAT CONSTITUTE A CHANGE FROM WHAT IS SHOWN BELOW. THIS INCLUDES CONDUCTOR LENGTHS DIFFERING BY MORE THAN 10%.
2. REFER TO THE SHORT-CIRCUIT AND VOLTAGE DROP CALCULATIONS TABLE **ON THIS SHEET**. AVAILABLE FAULT CURRENT INFORMATION IS LISTED UNDER THE "FAULT CURRENT" COLUMN. VOLTAGE DROP VALUES ARE LISTED UNDER THE "CUMULATIVE VOLTAGE DROP" COLUMN. THE AIC/SCCR RATING OF THE EQUIPMENT SHALL NOT BE LESS THAN THE AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT. ALL SERIES RATED EQUIPMENT SHALL BE PROPERLY LISTED AND LABELED PER CODE.
3. FEEDER NUMBER DESIGNATIONS PRECEDED BY "V" INDICATE THAT THE CONDUCTORS ARE UP-SIZED DUE TO VOLT-DROP CONSIDERATIONS. PROVIDE LUG ADAPTERS AS NEEDED IN ORDER TO PROPERLY LAND CONDUCTORS AT TERMINATION(S).
4. BRANCH CIRCUIT SIZES ARE BASED ON COPPER (CU) THHN/THWN-2 INSULATION, UNLESS NOTED OTHERWISE. CONDUIT SIZES SHOWN ARE APPROPRIATE FOR SCHEDULE 40 PVC, EMT, GRS, IMC AND RMC; ADJUST SIZE AS NEEDED FOR OTHER RACEWAY TYPES. ALL CONDUCTOR SIZES ARE BASED ON 60 DEG C RATED TERMINATIONS, UNLESS NOTED OTHERWISE. FOR ANY OTHER CONDITIONS MODIFY SIZES PER CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5. INSTALL FEEDERS OVERHEAD AS HIGH AS PRACTICABLE AND ORTHOGONALLY ALONG BUILDING STRUCTURE, UNLESS NOTED OTHERWISE. COORDINATE FINAL ROUTING WITH OTHER TRADES.

ELECTRICAL UTILITY CONTACT NOTE:

UTILITY COMPANY: EVERGY
PHONE: (888) 471-5275

FAULT CURRENT GENERAL NOTE (ESTIMATED VALUE):

THE MAXIMUM AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT VALUE AT THE UTILITY TRANSFORMER SECONDARY/POINT OF SERVICE COULD NOT BE DETERMINED AT THE TIME OF THIS SUBMITTAL. THE ESTIMATED WORST CASE VALUE OF 43,237A IS BASED ON AN INFINITE BUS CALCULATION AT THE UTILITY TRANSFORMER. CONTRACTOR SHALL VERIFY ACTUAL AVAILABLE FAULT CURRENT VALUE WITH UTILITY. NOTIFY ENGINEER IF ACTUAL VALUE EXCEEDS ESTIMATED CALCULATED VALUE. ESTIMATED DESIGN VALUE IS BASED ON THE FOLLOWING:

UTILITY TRANSFORMER SECONDARY VOLTAGE: 208Y/120V, 3Ø, 4W
UTILITY TRANSFORMER SIZE: 150KVA, Z=1.07%

Short-Circuit and Voltage Drop Calculations

Version 2.13

Distances are for calculation purposes only and shall not be used for contractor takeoffs nor bidding - Contractor shall notify Engineer of any field condition that results in a change of 10% or greater circuit distance

The following calculations are based on the "Point-by-Point" method where:
ISC (2) = ISC(1) x M(1) M= 1/(1+f)
ISC (1) = short circuit current at fault point 1
ISC (2) = short circuit current at fault point 2

Feeder: f (3Ø) = 1.732 x L x Isc / C x E
XFMR: f (3Ø) = IP(sca)x Vp x 1.73 x %Z / 100,000 x KVA
IS(sca)= Vp x M x IP(sca) / Vs
Feeder: f (1Ø)= 2 x L x Isc / C x E
XFMR: f (1Ø)= IP(sca)x Vp x %Z / 100,000 x KVA

VOLTAGE DROP (3Ø):
%VD = ((R x cos(arccos(pf)) + X x sin (arccos(pf))) x L/# x I x 1.73) / E
VOLTAGE DROP (1Ø):
%VD = ((R x cos(arccos(pf)) + X x sin(arccos(pf))) x 2 x L/# x I) / E

E = Line to line volts
IP = Primary short circuit current
Vp = Primary voltage
IS= Secondary short circuit current
Vs= Secondary voltage
L = Length of circuit
C = "C" Factor from Bussman table where "C" = 1 / impedance per linear foot

%VD CUM = Cumulative Voltage Drop from Fault Point 1 to Fault Point #
R = resistance in ohms per LF
X = reactances in ohms per LF

Feeder Types: NM - Non Magnetic Conduit, M - Magnetic Conduit, FB - Feeder Busway, PB - Plug-in Busway, TX - Transformer

System Voltage: 208Y/120V - 3 phase

Date of Calculations: 02/11/2026

Fault Point (F#)	Bus/Feeder Description	Source (Fault Point)	Phase	Source Isc (amps)	Feeder: Conduit Type/ TX	Material	Quantity of Parallel Sets and Bus/ Phase & Neutral Size	Conductor "C" Value	Busway "C" Value	L-L Voltage (E)	Circuit Length (L)	Load Power Factor (pf)	Circuit Load (Amperage)	Conductor: Resistance (R)	Reactance (X)	Arccos (pf) (Radians)	Transformer: Type	Degree Rise	kVA	New Xfmr Z	Existing Xfmr Z	Secondary Voltage	Tap Setting	f	M	Fault Current (amps)	Voltage Drop (%VD)	Cumulative Voltage Drop (%VD)	Fault Point (F#)
1	Utility Service Point			43,237 at the secondary of the utility transformer																						Source Isc + 6X Motor Contribution =		44,197			1
	Motor Contribution			160 The connected full load motor amps (includes compressors) on the system																									
2	Main Service Disconnect	1	3	44,197	NM	CU	2 Set(s) of 3/0 AWG	13923	--	208	100	0.9	320	0.000077	0.000042	0.451027								1.322	0.43	19,037	-1.17%	-1.17%	2
3	Panel LA	2	3	19,037	M	CU	2 Set(s) of 3/0 AWG	12844	--	208	15	0.9	320	0.000079	0.000052	0.451027								0.093	0.92	17,424	-0.19%	-1.35%	3
4	Panel A	3	3	17,424	M	CU	1 Set(s) of 3/0 AWG	12844	--	208	10	0.9	160	0.000079	0.000052	0.451027								0.113	0.90	15,655	-0.12%	-1.48%	4
5	RTU-1	3	3	17,424	M	CU	1 Set(s) of 4 AWG	3806	--	208	45	0.85	64	0.000310	0.000060	0.554811								1.715	0.37	6,416	-0.71%	-2.06%	5
6	RTU-2	3	3	17,424	M	CU	1 Set(s) of 8 AWG	1557	--	208	50	0.85	40	0.000780	0.000065	0.554811								4.659	0.18	3,079	-1.16%	-2.52%	6
7	CU-1	3	1	17,424	M	CU	1 Set(s) of 12 AWG	617	--	208	50	0.85	12	0.002000	0.000068	0.554811								13.577	0.07	1,195	-1.00%	-2.36%	7
8	CU-2	3	1	17,424	M	CU	1 Set(s) of 12 AWG	617	--	208	45	0.85	12	0.002000	0.000068	0.554811								12.219	0.08	1,318	-0.90%	-2.26%	8
9	CU-3	3	1	17,424	M	CU	1 Set(s) of 12 AWG	617	--	208	40	0.85	2	0.002000	0.000068	0.554811								10.861	0.08	1,469	-0.13%	-1.49%	9
10	WH	3	1	17,424	M	CU	1 Set(s) of 10 AWG	981	--	208	20	0.9	24	0.001200	0.000063	0.451027								3.416	0.23	3,946	-0.51%	-1.87%	10

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
RYAN D McPHILLIPS
NUMBER PE-2025000034
PROFESSIONAL ENGINEER

3/5/2026

RYAN D. MCPHILLIPS
LICENSE # PE-2025000034

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM
2550004415
MO. CORPORATE NO: E-555D
EXPIRES 12/31/2026

Owner Approval
2550004415 Not to Scale
Job No. Scale

ELECTRICAL ONE-LINE DIAGRAM AND SCHEDULES

E05.01

RYAN D. MCPHILLIPS

COMcheck-Web™

Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Bank of America - Chipman GU
Location:	Lees Summit, Missouri
Climate Zone:	4a
Project Type:	New Construction
Project No:	79748
All Electric:	false
Is Renewable:	false
Has Battery:	false
Has Charger:	false
Has Heat Pump	false

Construction Site:
1801 NW Chipman Road
Lees Summit , Missouri 64081

Owner/Agent:
Bank of America

Designer/Contractor:
Henderson Engineers
Lenexa , Kansas 66214

Notes:

Energy Credits

Description	Credit
Reduced Lighting Power	1.0

Credits: 1.0 Required 1.0 Proposed

Building Area

Description	Floor Area
1-Retail (Retail) : Nonresidential	4594

Interior Lighting Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Bank of America - Chipman GU
Location:	Lees Summit, Missouri
Climate Zone:	4a
Project Type:	New Construction

Construction Site:
1801 NW Chipman Road
Lees Summit , Missouri 64081

Owner/Agent:
Bank of America

Designer/Contractor:
Henderson Engineers
Lenexa , Kansas 66214

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Vestibule 100 (Common Space Types:Lobby - General)	171	0.9	
2-Vestibule 101 (Bank:Banking Activity Area)	175	0.77	
3-ATM Room 102 (Bank:Banking Activity Area)	166	0.77	
4-Waiting Area 103 (Common Space Types:Lobby - General)	1179	0.9	
5-Office 105 (Common Space Types:Office - Enclosed)	161	0.84	
6-Office 106 (Common Space Types:Office - Enclosed)	139	0.84	
7-Office 107 (Common Space Types:Office - Enclosed)	139	0.84	
8-Office 108 (Common Space Types:Office - Enclosed)	139	0.84	
9-Work Room 109 (Bank:Banking Activity Area)	235	0.77	
10-CSR 110 (Bank:Banking Activity Area)	384	0.77	
11-Vestibule 111 (Common Space Types:Corridor/Transition <8 ft wide)	69	0.59	
12-Office 112 (Common Space Types:Office - Enclosed)	135	0.84	
13-Office 113 (Common Space Types:Office - Enclosed)	134	0.84	
14-Calling Cubes 115 (Common Space Types:Office - Open Plan)	412	0.73	
15-Elec 116 (Common Space Types:Electrical/Mechanical)	54	0.39	
16-NER 117 (Common Space Types:Electrical/Mechanical)	87	0.39	
17-Corridor 118 (Common Space Types:Corridor/Transition <8 ft wide)	178	0.59	
18-Break Room 119 (Common Space Types:Lounge/Breakroom)	282	0.56	
19-Wellness Room 120 (Common Space Types:Office - Enclosed)	63	0.84	
20-STG 121 (Common Space Types:Storage <50 sq.ft.)	21	0.41	
21-Women's Restroom 122 (Common Space Types:Restrooms)	92	0.77	
22-Men's Restroom 123 (Common Space Types:Restrooms)	92	0.77	
23-Janitors Closet (Common Space Types:Storage <50 sq.ft.)	41	0.41	
Total Allowed Watts:			4383

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
1-Vestibule 100 (Common Space Types:Lobby - General)			
R-14/R-14E: R-14/R-14E: LED:	4	16	64
2-Vestibule 101 (Bank:Banking Activity Area)			
R-14/R-14E: R-14/R-14E: LED:	4	16	64
3-ATM Room 102 (Bank:Banking Activity Area)			
R-19/R-19E: R-19/R-19E: LED:	4	30	120
4-Waiting Area 103 (Common Space Types:Lobby - General)			
D-1: D-1: LED:	2	6	12
R-14/R-14E: R-14/R-14E: LED:	25	16	400
R-11.8: R-11.8: LED:	5	48	240
5-Office 105 (Common Space Types:Office - Enclosed)			
R-15: R-15: LED:	2	11	22
R-19/R-19E: R-19/R-19E: LED:	1	30	30
6-Office 106 (Common Space Types:Office - Enclosed)			
R-15: R-15: LED:	2	11	22
R-19/R-19E: R-19/R-19E: LED:	1	30	30
7-Office 107 (Common Space Types:Office - Enclosed)			
R-15: R-15: LED:	2	11	22
R-19/R-19E: R-19/R-19E: LED:	1	30	30
8-Office 108 (Common Space Types:Office - Enclosed)			
R-15: R-15: LED:	2	11	22
R-19/R-19E: R-19/R-19E: LED:	1	30	30
9-Work Room 109 (Bank:Banking Activity Area)			
D-1: D-1: LED:	7	6	42
R-19/R-19E: R-19/R-19E: LED:	2	30	60
10-CSR 110 (Bank:Banking Activity Area)			
D-1: D-1: LED:	3	6	18
R-11.4: R-11.4: LED:	4	24	96
R-14/R-14E: R-14/R-14E: LED:	7	16	112
11-Vestibule 111 (Common Space Types:Corridor/Transition <8 ft wide)			
R-14/R-14E: R-14/R-14E: LED:	2	16	32
12-Office 112 (Common Space Types:Office - Enclosed)			
R-15: R-15: LED:	2	11	22
R-19/R-19E: R-19/R-19E: LED:	1	30	30
13-Office 113 (Common Space Types:Office - Enclosed)			
R-15: R-15: LED:	2	11	22
R-19/R-19E: R-19/R-19E: LED:	1	30	30
14-Calling Cubes 115 (Common Space Types:Office - Open Plan)			
D-1: D-1: LED:	4	6	24
R-19/R-19E: R-19/R-19E: LED:	4	30	120
15-Elec 116 (Common Space Types:Electrical/Mechanical)			
H/HE: H/HE: LED:	1	25	25
16-NER 117 (Common Space Types:Electrical/Mechanical)			
H/HE: H/HE: LED:	2	25	50
17-Corridor 118 (Common Space Types:Corridor/Transition <8 ft wide)			
R-14/R-14E: R-14/R-14E: LED:	6	16	96
18-Break Room 119 (Common Space Types:Lounge/Breakroom)			

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B # of Fixture	C Fixture Watt.	D (B X C)
R-19/R-19E: R-19/R-19E: LED:	5	30	150
19-Wellness Room 120 (Common Space Types:Office - Enclosed)			
R-19/R-19E: R-19/R-19E: LED:	1	30	30
20-STG 121 (Common Space Types:Storage <50 sq.ft.)			
H/HE: H/HE: LED:	1	25	25
21-Women's Restroom 122 (Common Space Types:Restrooms)			
R-19/R-19E: R-19/R-19E: LED:	1	30	30
22-Men's Restroom 123 (Common Space Types:Restrooms)			
R-19/R-19E: R-19/R-19E: LED:	1	30	30
23-Janitors Closet (Common Space Types:Storage <50 sq.ft.)			
H/HE: H/HE: LED:	1	25	25
Total Proposed Watts:			2177

Proposed Interior Lighting Controls

Fixture	Lighting Control
1-Vestibule 100 (Common Space Types:Lobby - General)	
R-14/R-14E: R-14/R-14E: LED:	Interior Timeswitch, Manual Control, Restricted Auto Partial On
2-Vestibule 101 (Bank:Banking Activity Area)	
R-14/R-14E: R-14/R-14E: LED:	Interior Timeswitch, Manual Control, Restricted Auto Partial On
3-ATM Room 102 (Bank:Banking Activity Area)	
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
4-Waiting Area 103 (Common Space Types:Lobby - General)	
D-1: D-1: LED:	Interior Timeswitch, Manual Control, Restricted Auto Partial On
R-14/R-14E: R-14/R-14E: LED:	Interior Timeswitch, Manual Control, Restricted Auto Partial On
R-11.8: R-11.8: LED:	Interior Timeswitch, Manual Control, Restricted Auto Partial On
5-Office 105 (Common Space Types:Office - Enclosed)	
R-15: R-15: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
6-Office 106 (Common Space Types:Office - Enclosed)	
R-15: R-15: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
7-Office 107 (Common Space Types:Office - Enclosed)	
R-15: R-15: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
8-Office 108 (Common Space Types:Office - Enclosed)	
R-15: R-15: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
9-Work Room 109 (Bank:Banking Activity Area)	
D-1: D-1: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
10-CSR 110 (Bank:Banking Activity Area)	
D-1: D-1: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-11.4: R-11.4: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-14/R-14E: R-14/R-14E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
11-Vestibule 111 (Common Space Types:Corridor/Transition <8 ft wide)	
R-14/R-14E: R-14/R-14E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control

Fixture	Lighting Control
12-Office 112 (Common Space Types:Office - Enclosed)	
R-15: R-15: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
13-Office 113 (Common Space Types:Office - Enclosed)	
R-15: R-15: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
14-Calling Cubes 115 (Common Space Types:Office - Open Plan)	
D-1: D-1: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
15-Elec 116 (Common Space Types:Electrical/Mechanical)	
H/HE: H/HE: LED:	Interior Timeswitch, Manual Control, Restricted Auto Partial On
16-NER 117 (Common Space Types:Electrical/Mechanical)	
H/HE: H/HE: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
17-Corridor 118 (Common Space Types:Corridor/Transition <8 ft wide)	
R-14/R-14E: R-14/R-14E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
18-Break Room 119 (Common Space Types:Lounge/Breakroom)	
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
19-Wellness Room 120 (Common Space Types:Office - Enclosed)	
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
20-STG 121 (Common Space Types:Storage <50 sq.ft.)	
H/HE: H/HE: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
21-Women's Restroom 122 (Common Space Types:Restrooms)	
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
22-Men's Restroom 123 (Common Space Types:Restrooms)	
R-19/R-19E: R-19/R-19E: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control
23-Janitors Closet (Common Space Types:Storage <50 sq.ft.)	
H/HE: H/HE: LED:	Occupancy Sensor, Interior Timeswitch, Manual Control

Interior Lighting PASSES: Design 50% better than code

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Cameron Schwenk	Cameron Schwenk	02/10/2026
Name - Title	**Signature**	**Date**

Exterior Lighting Compliance Certificate

Project Information

Energy Code:	2018 IECC
Project Title:	Bank of America - Chipman GU
Location:	Lees Summit, Missouri
Climate Zone:	4a
Project Type:	New Construction
Exterior Lighting Zone:	Other (LZ3)

Construction Site:
1801 NW Chipman Road
Lees Summit , Missouri 64081

Owner/Agent:
Bank of America

Designer/Contractor:
Henderson Engineers
Lenexa , Kansas 66214

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / ft2	D Tradable Wattage	E Allowed Watts (B X C)
ATMs (ATM/Night depository location) (c)	2 machines	45.00	No	90.0
Entry (Entry canopy)	395 ft2	0.40	No	158.0
Hardscape (Parking area)	38806 ft2	0.06	No	2328.36
Walkways (Walkway < 10 feet wide)	375 ft of walkway length	0.60	No	225.0
Total Tradable Watts (a):				2711.36
Base Site Allowance (b):				500
Total Allowed Watts:				3436.36

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A base site allowance equal to 400 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
ATMs (ATM/Night depository location, 2 machines): Tradeable Wattage				
STS1: STS1: LED:	0	1	34	34
SMK1: SMK1: LED:	0	1	131	131
Entry (Entry canopy, 395 ft2): Tradeable Wattage				
SMK1: SMK1: LED:	0	1	131	131
STS2: STS2: LED:	0	1	34	34
Hardscape (Parking area, 38806 ft2): Tradeable Wattage				
SMI1: SMI1: LED:	0	2	64	128
SMJ1: SMJ1: LED:	0	2	104	208
SOV1: SOV1: LED:	0	3	42	126
SOW1: SOW1: LED:	0	3	91	273
Walkways (Walkway < 10 feet wide, 375 ft of walkway length): Tradeable Wattage				
STS1: STS1: LED:	0	2	34	68
STW1: STW1: LED:	0	1	34	34
Total Tradable Proposed Watts:				1002

Proposed Exterior Lighting Controls

Fixture	Lighting Control
ATMs (ATM/Night depository location, 2 machines)	
STS1: STS1: LED:	Daylight Shutoff, Exterior Timeswitch
SMK1: SMK1: LED:	Daylight Shutoff, Exterior Timeswitch
Entry (Entry canopy, 395 ft2)	
SMK1: SMK1: LED:	Daylight Shutoff, Exterior Timeswitch
STS2: STS2: LED:	Daylight Shutoff, Exterior Timeswitch
Hardscape (Parking area, 38806 ft2)	
SMI1: SMI1: LED:	Daylight Shutoff, Exterior Timeswitch
SMJ1: SMJ1: LED:	Daylight Shutoff, Exterior Timeswitch
SOV1: SOV1: LED:	Daylight Shutoff, Exterior Timeswitch
SOW1: SOW1: LED:	Daylight Shutoff, Exterior Timeswitch
Walkways (Walkway < 10 feet wide, 375 ft of walkway length)	
STS1: STS1: LED:	Daylight Shutoff, Exterior Timeswitch
STW1: STW1: LED:	Daylight Shutoff, Exterior Timeswitch

Exterior Lighting PASSES: Design 69% better than code

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Cameron Schwenk	Cameron Schwenk	02/10/2026
Name - Title	**Signature**	**Date**

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 100% were addressed directly in the *COMcheck* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Plan Review

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C406 (PR9)[1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C103.2 (PR4)[1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C103.2 (PR8)[1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

RYAN D. MCPHILLIPS

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
RYAN D MCPHILLIPS
NUMBER PE-2025000034
PROFESSIONAL ENGINEER

3/5/2026

RYAN D. MCPHILLIPS
LICENSE # PE-2025000034

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 **FAX** 913.742.5001
WWW.HENDERSONENGINEERS.COM

2550004415
MO. CORPORATE NO: E-555D
EXPIRES 12/31/2026

Owner Approval

2550004415 — Job No.
Not to Scale — Scale

ELECTRICAL ENERGY COMPLIANCE FORMS

E06.01

Rough-In Electrical Inspection

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22]¹	Spaces required to have light-reduction controls shall have controls that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.5 [EL28]¹	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.6 [EL30]¹	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation,time-of-day, or reduce connected lighting > 30%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.6 [EL26]¹	Low-voltage dry type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.7 [EL27]¹	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(3). Certification shall be provided by manufacturer under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.8.2, C405.8.2.1 [EL28]¹	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.9 [EL29]¹	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.1, C405.2.1.1 [EL18]¹	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.1.2 [EL19]¹	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensing controls lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1.3 [EL20]¹	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants leaving that space, and 3) configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.2, C405.2.2.1, C405.2.2.2 [EL21]¹	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23]¹	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces, C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	**Exception:** Requirement does not apply.
C405.2.4 [EL26]¹	Separate lighting control devices for specific uses installed per approved lighting plans.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.2.4 [EL27]¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

Final Inspection

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17]¹	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C405.3.1 [FI18]¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Interior Lighting fixture schedule for values*
C405.4.1 [FI19]¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	*See the Exterior Lighting fixture schedule for values*
C408.1.1 [FI57]¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.2.5.1 [FI16]¹	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	
C408.3 [FI33]¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐ Complies ☐ Does Not Comply ☐ Not Observable ☐ Not Applicable	

Additional Comments/Assumptions:

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
RYAN D McPHILLIPS
NUMBER PE-2025000034
PROFESSIONAL ENGINEER

3/5/2026

RYAN D. MCPHILLIPS
LICENSE # PE-2025000034

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

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MO. CORPORATE NO: E-556D
EXPIRES 12/31/2026

Owner Approval

2550004415 Job No.
Not to Scale Scale

ELECTRICAL ENERGY COMPLIANCE FORMS Copy 1

E06.02

RYAN D. MCPHILLIPS

FIRE ALARM GENERAL NOTES:

1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS. SYSTEM SHALL ALSO MEET ALL APPLICABLE BUILDING CODES, FIRE CODES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER. VERIFY REQUIREMENTS PRIOR TO BID SUBMITTAL.
3. INFORMATION ON CONTRACT DOCUMENTS IS GENERAL INFORMATION AND FOR BID PURPOSES ONLY. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE FINAL SYSTEM DESIGN AND LAYOUT OF ALL COMPONENTS, COORDINATION WITH ALL OTHER TRADES, AND SYSTEM CALCULATIONS REQUIRED FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION, ENGINEER, AND OWNER'S INSURER.
4. THE CONTRACTOR SHALL FOLLOW THE ENGINEER OF RECORD'S SYSTEM DESIGN AND LAYOUT OF ALL COMPONENTS EXCEPT WHERE MODIFICATION TO THE DESIGN IS NECESSARY MODIFICATIONS SHALL BE REFLECTED IN THE CONTRACTOR'S SHOP DRAWINGS AND CALCULATIONS.
5. DEVIATIONS FROM ENGINEER'S DESIGN WILL NOT BE CONSIDERED UNLESS A FORMALLY SUBMITTED RFI IS RECEIVED AND APPROVED.
6. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
7. PROVIDE ADDITIONAL MATERIALS AND LABOR REQUIRED DUE TO LACK OF COORDINATION OR TO MEET AUTHORITY HAVING JURISDICTION AND INSURANCE CARRIER REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
8. FORWARD COMPLETED CERTIFICATE OF COMPLETION AND CONTRACTOR MATERIAL TEST CERTIFICATES TO THE OWNER.
9. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FIRE ALARM SYMBOLS

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED. V2.06

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
AFG	ABOVE FINISHED GRADE	OC	ON CENTER
CD	CANDELA	PIV	POST INDICATOR VALVE
DI	DUCTILE IRON	PROVIDE	FURNISH AND INSTALL
ESFR	EARLY SUPPRESSION FAST RESPONSE	PRV	PRESSURE REDUCING VALVE
ETR	EXISTING TO REMAIN	RD	RETURN DUCT
FHC	FIRE HOSE CABINET	REV	REVISION
FP	FIRE PROTECTION	SD	SUPPLY DUCT
GC	CONTRACTOR	SF	SQUARE FEET
GPM	GALLONS PER MINUTE	TYP	TYPICAL
JB/J-BOX	JUNCTION BOX	UNO	UNLESS NOTES OTHERWISE
MAX	MAXIMUM	V	VOLT(S)
MIN	MINIMUM	W	WATTS
N/A	NOT APPLICABLE	WP	WEATHERPROOF

ANNOTATION

- (1) FIRE ALARM PLAN NOTE CALLOUT
- CONNECTION POINT OF NEW WORK TO EXISTING
- (1 / F1) DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER
- (1 / F1) SECTION CUT DESIGNATION
- DEDICATED EQUIPMENT ACCESS TILE
- ACCESS PANEL

STANDARD MOUNTING HEIGHTS

AUDIBLE APPLIANCE (TOP OF APPLIANCE)	90"
FIRE ALARM ANNUNCIATOR PANEL (TOP OF DISPLAY)	60"
FIRE ALARM BELL (EXTERIOR) (CENTERLINE)	120"
FIRE ALARM CONTROL PANEL/UNIT (TOP OF DISPLAY)	60"
PULL STATION (TOP OF DEVICE)	46"
VISIBLE APPLIANCE (CENTERLINE)	84"

INSTALL DEVICES AT THE MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ABOVE, OR ELSEWHERE IN THE CONSTRUCTION DOCUMENTS, ARE AFF OR AFG TO TOP OF DEVICE, UNO. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

FIRE ALARM

- FACP — FIRE ALARM CONTROL PANEL/UNIT
- FACP — RECESSED FIRE ALARM CONTROL PANEL/UNIT
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- FAAP — RECESSED FIRE ALARM ANNUNCIATOR PANEL
- AMP — AMPLIFIER PANEL
- RPS — REMOTE POWER SUPPLY
- RT — REMOTE TEST STATION WITH INDICATING LIGHT
- RL — REMOTE INDICATING LIGHT
- PS — PRESSURE SWITCH LOW/HIGH
- FS — WATERFLOW ALARM SWITCH
- VT — CONTROL VALVE TAMPER SWITCH
- DH — MAGNETIC DOOR HOLD OPEN DEVICE
- CM — CONTROL MODULE
- MM — MONITOR MODULE
- K — FIRE DEPARTMENT KEY BOX
- PULL STATION
- F — FIREFIGHTER'S PHONE JACK
- HEAT DETECTOR (E INDICATES ELEVATOR RECALL)
- SMOKE DETECTOR (E INDICATES ELEVATOR RECALL)
- SINGLE STATION SMOKE DETECTOR
- PROJECTED BEAM SMOKE DETECTOR
- RD — DUCT MOUNTED SMOKE DETECTOR (SD=SUPPLY/RD=RETURN)
- CO — CARBON MONOXIDE DETECTOR
- AREA OF REFUGE 2-WAY COMMUNICATION SYSTEM
- FW — WALL MOUNTED AUDIBLE NOTIFICATION APPLIANCE #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY)
- ## — WALL MOUNTED VISIBLE NOTIFICATION APPLIANCE ## INDICATES CANDELA
- FW / ## — WALL MOUNTED AUDIBLE/VISIBLE NOTIFICATION APPLIANCE ## INDICATES CANDELA #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY)
- FW — CEILING MOUNTED AUDIBLE NOTIFICATION APPLIANCE #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY)
- ## — CEILING MOUNTED VISIBLE NOTIFICATION APPLIANCE ## INDICATES CANDELA
- FW / ## — CEILING MOUNTED AUDIBLE/VISIBLE NOTIFICATION APPLIANCE ## INDICATES CANDELA #W INDICATES WATTAGE (VOICE EVACUATION SYSTEMS ONLY)
- END OF LINE RESISTOR
- ABORT SWITCH
- BELL

HATCHING LEGEND

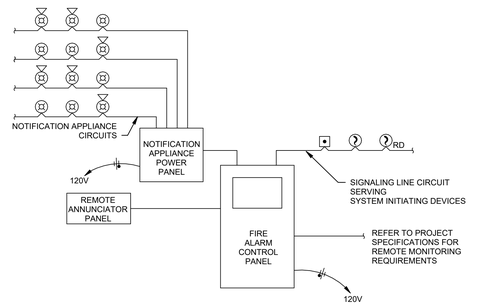
- ENLARGED PLAN
- NOT IN SCOPE (NIS)

SYSTEM INPUTS	ALARM	SUPERV/SORV	TROUBLE	REPORT TO FIRE ALARM CONTROL PANEL	SIGNAL SUPERVISING STATION	ACTIVATE GENERAL FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCES	SHUTDOWN INDIVIDUAL FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT AND DAMPER(S)	SHUTDOWN ALL FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT FOR AFFECTED HVAC SYSTEM	SHUTDOWN ALL FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT	SHUTDOWN TENANT AUDIO / VIDEO SYSTEM(S) IN COMMON AREAS
	PRIORITY			SYSTEM OUTPUTS						
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - OPEN			●	●	●					
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - SHORT			●	●	●					
SIGNALING LINE OR NOTIFICATION APPLIANCE CIRCUIT - GROUND			●	●	●					
FIRE ALARM CONTROL PANEL LOSS OF POWER			●		●					
MANUAL PULL STATION	●			●	●	●			●	●
SMOKE DETECTOR - SPOT TYPE	●			●	●	●			●	●
SMOKE DETECTOR - DUCT MOUNTED		●		●	●		●	●		
FIRE DEPARTMENT KEY BOX VALVE TAMPER SWITCH (KNOX BOX)		●		●	●					

CONTRACTOR TO PROVIDE ALL NECESSARY EQUIPMENT AND CONNECTIONS REQUIRED TO ACCOMPLISH THE FUNCTIONS INDICATED, AT MINIMUM.

SEQUENCE OF OPERATIONS INDICATED IS SCHEMATIC. MODIFY TO SUIT CONDITIONS AND MEET APPLICABLE CODE REQUIREMENTS.

2 FIRE ALARM SEQUENCE OF OPERATIONS
NTS



RISER DIAGRAM IS SCHEMATIC IN NATURE. NOT ALL DEVICES ARE SHOWN. REFER TO PLANS FOR EQUIPMENT QUANTITIES AND LOCATIONS.

DUCT DETECTORS MAY HAVE INTEGRAL RELAYS FOR AIR HANDLING UNIT SHUT-DOWN AND FIRE/SMOKE DAMPER CONTROL. WIRING FOR THIS FUNCTION HAS NOT BEEN SHOWN. COORDINATE WITH MECHANICAL SYSTEM INSTALLER.

REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

1 FIRE ALARM RISER DIAGRAM - ADDRESSABLE SYSTEM (NON-VOICE)
NTS

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STATE OF MISSOURI
TRACY A. WORLEY
NUMBER PE-2023019446
PROFESSIONAL ENGINEER
3/3/2026

TRACY A. WORLEY
LICENSE # PE-2023019446

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MO. CORPORATE NO. E-556D
EXPIRES 12/31/2026

Owner Approval

2550004415 — Job No.
Not to Scale — Scale

FIRE ALARM GENERAL NOTES AND LEGEND

FA00.00

TRACY A. WORLEY



1 FIRE ALARM PLAN
1/4" = 1'-0"

0 2' 4' 6'
SCALE: 1/4"=1'-0"

FIRE ALARM PLAN NOTES:

F1 PROVIDE NEW REMOTE FIRE ALARM ANNUNCIATOR PANEL.

F2 PROVIDE DUCT MOUNTED SMOKE DETECTOR FOR FAN POWERED MECHANICAL AIR HANDLING EQUIPMENT SHUTDOWN. INSTALL DETECTOR PER MANUFACTURER'S RECOMMENDATIONS. REFER TO MECHANICAL SHEETS FOR EQUIPMENT AND DUCTWORK LAYOUT AND DETAILS.

F3 PROVIDE EQUIPMENT AND CONNECTIONS REQUIRED TO UNLOCK ACCESS CONTROL LOCKS UPON SIGNAL FROM FIRE ALARM CONTROL PANEL. CONTRACTOR TO VERIFY THE LOCATION AND QUANTITY OF LOCK/CONTROL MODULES REQUIRED.

F4 PROVIDE FIRE DEPARTMENT KEY BOX FOR FIRE DEPARTMENT ACCESS. PROVIDE EQUIPMENT AND CONNECTIONS NECESSARY TO MONITOR KEY BOX INTERNAL SUPERVISORY SWITCH(ES), AS REQUIRED.

F5 PROVIDE EQUIPMENT AND CONNECTION(S) REQUIRED TO SHUTDOWN TENANT AUDIO SYSTEM IN THE EVENT OF AN ALARM.

F8 PROVIDE NEW FIRE ALARM CONTROL PANEL WITH SUFFICIENT BACKUP BATTERY CAPACITY. PROVIDE A SMOKE DETECTOR ABOVE THE PANEL IN ACCORDANCE WITH NFPA 72.

F9 PROVIDE LOW VOLTAGE WIRING FROM DUCT DETECTOR TO REMOTE TEST STATION. MOUNT REMOTE TEST STATION ON WALL AT 48" AFF.

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As indicated Scale

FIRE ALARM PLAN

FA02.01

TRACY A. WORLEY

Division 28: FIRE ALARM SYSTEM

1. GENERAL INSTRUCTIONS

A. GENERAL REQUIREMENTS

Requirements under Division 01 and the general and supplementary conditions of these specifications apply to this section and division. Where the requirements of this section and division exceed those of Division 01, this section and division take precedence. Become thoroughly familiar with all its contents as to requirements that affect this division, section, or both. Work required under this division includes all material, equipment, appliances, transportation, services, and labor required to complete the entire system as required by the drawings and specifications, or reasonably inferred to be necessary to facilitate the function of each system as implied by the design and the equipment specified.

The specifications and drawings for the project are complementary, and any portion of work described in one shall be provided as if described in both. In the event of discrepancies, notify the Engineer and request clarification prior to proceeding with the work involved.

Drawings are graphic representations of the work upon which the contract is based. They show the materials and their relationship to one another, including sizes, shapes, locations, and connections. They convey the scope of work, indicating the intended general arrangement of the systems without showing all of the exact details as to elevations, offsets, control lines, and other installation requirements. Use the drawings as a guide when laying out the work and to verify that materials and equipment will fit into the designated spaces, and which when installed per manufacturers' requirements, will ensure a complete, coordinated, satisfactory, and properly operating system.

B. DEFINITIONS

Division: References contained in this specification follow the numbering system defined in the Construction Specifications Institute (CSI) MasterFormat 2004 Edition. Specification Divisions 01 through 13 provided with this project may reference the CSI MasterFormat 1995 Edition. The corresponding division references between the 2004 Edition and 1995 Edition are as follows:

	2004 Edition	1995 Edition
1.	Division 21 – Fire Suppression	Division 15
2.	Division 22 – Plumbing	Division 15
3.	Division 23 – HVAC	Division 15
4.	Division 26 – Electrical	Division 16
5.	Division 27 – Communications	Division 16
6.	Division 28 – Electronic Safety and Security	Division 16

Furnish: "to supply and deliver to the project site, ready for unloading, unpacking, assembly, installation and similar operations. "

Install: "to perform all operations at the project site including, but not limited to, the actual unloading, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, testing, commissioning, starting up and similar operations, complete, and ready for the intended use. "

Provide: "to furnish and install, complete and ready for the intended use."

Furnished by Owner (or Owner-Furnished) or Furnished by Others: "an item furnished by the Owner or under other divisions or contracts, and installed under the requirements of this division, complete and ready for the intended use, including all items and services incidental to the work necessary for proper installation and operation. Include the installation under the warranty required by this division."

Engineer: Where referenced in this division, "Engineer" is the Engineer of Record and the Design Professional for the work under this division, and is a consultant to, and an authorized representative of the Architect, as defined in the General and/or Supplementary Conditions. When used in this division, Engineer means increased involvement by and obligations to the Engineer, in addition to involvement by and obligations to the Architect.

AHJ: The local code and/or inspection agency (Authority) Having Jurisdiction over the work.

NRTL: Nationally recognized testing laboratory, as defined and listed by OSHA in 29 CFR 1910.7 (e.g., UL, ETL, CSA), and acceptable to the AHJ over this project. Nationally recognized testing laboratories and standards listed are used only to represent the characteristics required and are not intended to restrict the use of other NRTLs that are acceptable to the AHJ and standards that meet the specified criteria.

Substitution: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents and proposed by Contractor. Substitutions include Value Engineering proposals.

1. Substitutions for Cause: Changes proposed by Contractor that are required due to changed Project conditions, such as unavailability of product, regulatory changes, or unavailability of required warranty terms.
2. Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required in order to meet other Project requirements but may offer advantage to Contractor or Owner.

The terms "approved equal", "equivalent", or "equal" are used synonymously and shall mean "accepted by or acceptable to the Engineer as equivalent to the item or manufacturer specified ". The term "approved" shall mean labeled, listed, or both, by an NRTL, and acceptable to the AHJ over this project.

C. PREBID SITE VISIT

Prior to submitting bid, visit the site of the proposed work and become fully informed as to the conditions under which the work is to be done. Failure to comply with this requirement shall not be considered sufficient justification to request or obtain extra compensation over and above the contract price.

D. MATERIAL AND WORKMANSHIP

Provide new material, equipment, and apparatus under this contract unless otherwise stated herein, of best quality normally used for the purpose in good commercial practice, and free from defects. Install material and equipment in accordance with the manufacturer's installation instructions. Model numbers listed in the specifications or shown on the drawings are not necessarily intended to designate the required trim, written descriptions of the trim govern model numbers.

Materials shall be manufactured in plants located in the United States or certified to meet the specified ASTM and ANSI standards.

Work performed under this contract shall provide a neat and "workmanlike" appearance when completed, to the satisfaction of the Architect and Engineer. Workmanship shall be the finest possible by experienced mechanics. Installations shall comply with applicable codes and laws.

Remove from the premises waste material present as a result of work, including cartons, crating, paper, stickers, and/or excavation material not used in backfilling, etc. Clean equipment installed under this contract to present a neat and clean installation at the termination of the work.

Repair or replace public and private property damaged as a result of work performed under this contract to the satisfaction of authorities and regulations having jurisdiction. Provide all safety lights, guards, and warning signs required for the performance of the work and for the safety of the public.

E. MANUFACTURERS

Subject to compliance with requirements, provide products manufactured by the following manufacturers: Notifier; SimplexGrinnell; Siemens-Cerberus Division; Kidde/Edwards; Gamewell-FCI; FIKE Corporation; Farenhyt or Engineer approved equal.

F. CODES AND STANDARDS

Work performed under this contract to provide an integrated fire alarm system shall, at a minimum, be in conformance with building and fire codes for the national, state and local codes having jurisdiction. Equipment furnished and associated installation work performed under this contract shall be in strict compliance with current applicable codes adopted by the local AHJ, including any amendments and standards as set forth by the following:

1. National Fire Protection Association (NFPA) 13

2. National Fire Protection Association (NFPA) 72

3. Underwriters Laboratories (UL)

4. Factory Mutual (FM)

5. Rules and regulations of public utilities and municipal departments affected by connection of services.

6. Other national standards and codes where applicable.

Where the contract documents exceed the requirements of the referenced codes, standards, etc., the contract documents shall take precedence. Where conflicts between various codes, ordinances, rules, and regulations exist, comply with the most stringent.

Promptly bring all conflicts observed between codes, ordinances, rules, regulations, referenced standards, and these documents to the attention of the Architect and Engineer for final resolution. Contractor will be held responsible for any violation of the law.

Procure and pay for permits and licenses required for the accomplishment of the work herein described. Where required, obtain, pay for, and furnish certificates of inspection to Owner.

G. COORDINATION

Coordinate work with that of other trades so that the various components of the systems are installed at the proper time, will fit the available space, and will allow proper service access to those items requiring maintenance. Components installed without regard to the above shall be relocated at no additional cost to the Owner.

H. SUBSTITUTIONS

Materials, products, equipment, and systems described in the Bidding Documents establish a standard of required function, dimension, appearance and quality to be met by the proposed substitution. The base bid shall include only the products from manufacturers specifically named in the drawings and specifications. To request a substitution, request the Substitution Request Form from the Architect or Engineer. Complete and send the Substitution Request From for each material, product, equipment, or system that is proposed to be substituted. The burden of proof of the merit of the proposed substitution is upon the proposer.

Unless stated otherwise in writing to the Engineer by the Contractor, Contractor warrants to the Engineer, Architect, and Owner the following:

1. Proposed substitution has been fully investigated and determined to meet or exceed the specified Work in all respects unless stated otherwise in the substitution request.

2. Proposed substitution is consistent with the Contract Documents and will produce indicated results, including functional clearances, maintenance service, and sourcing of replacement parts.

3. Proposed substitution has received necessary approvals of authorities having jurisdiction.

4. Same warranty will be furnished for proposed substitution as for specified Work.

5. If accepted substitution fails to perform as required, Contractor shall replace substitute material or system with that originally specified and bear costs incurred thereby.

6. Coordination, installation and changes in the Work as necessary for accepted substitution will be complete in all respects.

No substitutions will be considered unless the Substitution Request Form is completed and attached with the appropriate substitution documentation. No substitution will be considered prior to receipt of bids unless written request for approval to bid has been received by the Engineer at least ten (10) calendar days prior to the date for receipt of bids.

If the proposed substitution is approved prior to receipt of bids, such approval will be stated in an addendum. Bidders shall not rely upon approvals made in any other way. Verbal approval will not be given. No substitutions will be considered after the contract is awarded unless specifically provided in the contract documents.

I. SUBMITTALS

Assemble and submit for review shop drawings, material lists, manufacturer product literature for equipment to be furnished, and items requiring coordination between contractors under this contract. Provide submittals in sufficient detail to demonstrate compliance with these Contract Documents and the design concept. If the size of equipment furnished makes necessary any change in location or configuration, submit a shop drawing showing the proposed layout.

Transmit submittals as early as required to support the project schedule. Allow for ten (10) business days review time for each submittal review after receipt by Engineer, not including transmission time by Architect. Only resubmit those sections requested for resubmittal.

Minimum NICET Fire Alarm Systems Level 3 technician must prepare plans and calculations. Where required by the AHJ, Contractor is responsible for obtaining licensure, professional engineer stamp and signature, or NICET certification number and signature, on shop drawing submittal. The Engineer will not provide professional engineer stamp or signature on submittals.

Submittals shall contain the project name, applicable specification section, submittal date, equipment identification acronym as used on the drawings, and the Contractor's review stamp. The stamp shall certify that the submittal has been checked by the Contractor, complies with the drawings and specifications, and is coordinated with other trades. Manufacturer product literature shall include shop drawings, product data, performance sheets, samples and other submittals required by this division. Highlight, mark, list, or indicate the materials, performance criteria, and accessories that are being proposed. General product catalog data not specifically noted to be part of the specified product will be rejected and returned without review.

Submittals and shop drawings shall not contain the firm name, logo, seal, or signature of the Engineer. They shall not be copies of the work product of the Engineer. If the Contractor desires to use elements of such product, refer to paragraph "Electronic Drawing Files" for procedures to be used.

Review and approval of submittals by the Engineer shall not relieve the Contractor from responsibility for errors in dimensions, details, size of members, quantities, omissions of components or fittings; coordination of electrical requirements; or for coordinating items with actual building conditions. Proceed with the procurement and installation of equipment only after receiving approved shop drawings relative to each item.

Drawings shall be produced using Computer Aided Design. Hand drawn documents will not be reviewed or approved.

Provide the quantity of submittals required by Division 01. If not indicated and hard-copy sets are provided, submit a minimum of six (6) copies. Refer to Division 01 for acceptance of electronic submittals for this project. For electronic submittals, Contractor shall submit the documents in accordance with the procedures specified in Division 01. Contractor shall notify the Architect and Engineer that the submittals have been posted. If electronic submittal procedures are not defined in Division 01, Contractor shall include the website, user name, and password information needed to access the submittals. For submittals sent by e-mail, Contractor shall copy the designated representatives of the Architect and Engineer. Contractor shall allow for the Engineer review time as specified above in the construction schedule. Contractor shall submit only the documents required to purchase the materials and/or equipment in the electronic submittal.

Submit a detailed sequence of operation. Pre-printed, generic material will not be accepted and will be rejected. Highlight, mark, list or indicate the materials, performance criteria and accessories that are being proposed.

Submit shop drawings showing fire alarm floor plans and a full building riser diagram. Fire alarm floor plans and riser diagram shall show fire alarm control panel, annunciator, all fire alarm initiating devices and notification appliances. Show typical wiring diagrams of control panel/s, annunciator and each device and wiring connections required. Show all interfaces to other systems, such as temperature control systems, and security systems.

Provide voltage drop calculations for notification-appliance circuits.

Provide battery-size calculations. The calculations shall indicate each device and the load required in stand-by and alarm mode. The secondary power system shall be a battery operated emergency power supply and charger with capacity for operating system in standby mode for 24 hours followed by alarm mode for 5 minutes.

Shop drawing scale shall match the Engineer's drawings where possible. Scale shall not be less than 3/32" = 1'-0".

Submit a bill of material and manufacturers product data for all devices and equipment.

J. ELECTRONIC DRAWINGS

Contractor may request an electronic version of the contract drawing set in AutoCAD format from the Engineer for a fee of $250. Contact the Architect for written authorization. Contact the Engineer for the release agreement form and specify the shipping method and drawing format. Allow up to ten (10) working days for electronic file delivery after authorization and release agreements are completed and delivered to the Engineer.

K. RECORD DRAWINGS (AS-BUILT DRAWINGS)

During progress of the work in this division, Contractor shall maintain an accurate record of all changes made during the installation of the system. Upon completion of the work, accurately transfer all record information to three identical sets of the approved shop drawings. Insert one set into each copy of the Operations and Maintenance Instructions described below.

See Division 01 and General Conditions for additional information.

L. OPERATION AND MAINTENANCE INSTRUCTIONS

During the course of construction, collect and compile a complete brochure of equipment furnished and installed on this project. Include operational and maintenance instructions, manufacturer's catalog sheets, wiring diagrams, parts lists, approved submittals and shop drawings, warranties, and descriptive literature as furnished by the equipment manufacturer. Include an inside cover sheet that lists the project name, date, Owner, Architect, Engineer, General Contractor, Sub-Contractor, and an index of contents.

Submit three copies of literature bound in permanent binders, indexed, and tabbed separating equipment types to the Architect, for Engineer 's review, at the termination of the work. Paper clips, staples, rubber bands, loose-leaf binding, and mailing envelopes are not considered permanent binders. Final approval of systems installed under this contract shall be withheld until this equipment brochure is received and deemed complete by the Architect and Engineer. Save required literature shipped with the equipment itself for inclusion in this brochure.

Literature shall contain the following items:

1. Identification clearly visible on or through the cover, the name of the project, and description "Fire Alarm System Manual ".
2. Neatly typed index at front with all emergency information clearly identified.
3. Complete list of all system components with manufacturer's names, catalog numbers, and all data for ordering parts.
4. One copy of the as-built record drawings as described above.
5. All information required to secure emergency repairs or service.
6. Test reports and certificates including manufacturer 's inspection and testing documents as described in NFPA 72.

Refer to Division 01 for acceptance of electronic manuals for this project. For electronic manuals, refer to paragraph "Submittals" for requirements.

M. QUALIFICATIONS

The manufacturer shall be a company specializing in manufacturing the products specified in this section with minimum three years documented experience.

The installer shall be a company specializing in installing the products specified in this section with minimum three years documented experience, be a bonded and licensed contractor and merchant of electronic automated fire alarm systems, and employ full-time factory-trained installers and technicians. Installation of devices shall be performed or supervised by a National Institute for Certification of Engineering Technologies (NICET) Fire Alarm Systems Level 2 or higher technician.

The equipment manufacturer's service department shall be fully stocked in standard parts and components and engaged in the maintenance of fire alarm systems. On-the-premises service shall be available within 4 hours of notification, 7 days a week, 24 hours a day. Furnish service and maintenance of fire alarm system for one year from date of substantial completion.

N. WARRANTIES

Warrant each system and each element thereof against all defects due to faulty workmanship, design, or material for a period of 12 months from date of Substantial Completion, unless specific items are noted to carry a longer warranty in the construction documents or manufacturer 's standard warranty exceeds 12 months. Remedy all defects, occurring within the warranty period(s), as stated in the General Conditions and Division 01.

All corrective software modifications made during warranty periods shall be updated on all user documentation and on user and manufacturer archived software disks.

Warranties shall include labor and material, including travel expenses. Make repairs or replacements without any additional costs to the Owner, and to the satisfaction of the Owner, Architect, and Engineer.

Perform the remedial work promptly, upon written notice from the Engineer or Owner.

At the time of Substantial Completion, deliver to the Owner all warranties, in writing and properly executed, including term limits for warranties extending beyond the one year period, each warranty instrument shall be addressed to the Owner and state the commencement date and term.

O. SCOPE

The scope of work in this section includes fire alarm control panels, remote annunciator panels, manual fire alarm pull stations, automatic smoke detectors, fire alarm notification appliances, auxiliary fire alarm equipment, air handling unit shutdown, and battery stand-by power

2. MATERIALS AND INSTALLATION

A. FIRE ALARM CONTROL PANEL

The fire alarm system shall be a microprocessor-based system designed specifically for fire applications. The system shall be UL 864 listed. Modular construction with a flush mounted enclosure.

Remote Annunciator: Provide supervised remote annunciator(s) where shown on the plans, including audible and visible indication of fire alarm by address, and audible and visible indication of system trouble and supervisory. Install in flush mounted enclosure.

Power Supply: Provide two separate and reliable power supplies. The control panel shall receive 120 Vac power via a dedicated branch circuit of the building's electrical system. Each shall have adequate capacity for the system.

System Supervision: Automatically detects and reports open circuits, shorts, and grounds of wiring for initiating device, signaling line, and notification appliance circuits. Alarm, supervisory and trouble signals shall be monitored by the supervising station over a Digital Alarm Communicator Transmitter (DACT), or other approved method.

Initiating Device Circuits: Provide circuitry, which meets the performance requirements during abnormal conditions, based upon the style and class of the circuitry selected. Initiating device circuits shall be Class B.

Notification Appliance Circuits: Provide circuitry, which meets the performance requirements during abnormal conditions, based upon the style and class of the circuitry selected. Notification appliance circuits shall be Class B.

Signaling Line Circuits: Provide circuitry, which meets the performance requirements during abnormal conditions, based upon the style and class of the circuitry selected. Signaling line circuitry shall be Class B.

Auxiliary Relays: Provide sufficient SPDT auxiliary relay contacts to provide accessory functions specified.

Digital Alarm Communicator Transmitter (DACT): Electrically supervised, capable of transmitting alarm, supervisory and trouble signals over telephone lines to remote station receiver. The installing contractor shall select the appropriate DACT equipment based on the available communication methods. Coordinate with General Contractor to ensure proper connections are provided for communication to and from the DACT. Two (2) separate communication methods are required and shall not be subject to a common failure within the scope of work identified within these contract documents. Use the following communication methods:

One telephone line meeting the Managed Facility Voice Network (MFVN) definition AND one of the following:

1. One-way private radio alarm system
2. Two-way RF multiplex system
3. Performance-based technology complying with requirements of NFPA 72 that is acceptable to the Authority Having Jurisdiction and the Engineer of Record. Approval of any alternative methods must be obtained from the Engineer of Record via an RFI prior to submitting bids for the scope of work.

Provide trouble acknowledge, drill, and alarm silence switch.

The control panel and remote annunciator panel shall have dedicated alarm, supervisory and trouble LED's and dedicated alarm, supervisory and trouble acknowledge switches.

Lamp Test: Manual lamp test function causes each LED to function at fire alarm control panel.

Drill Sequence of Operation: Manual drill function causes alarm mode operation as described above.

Addressable systems shall have silent walk test, history logging for a minimum of 400 events, 80 character LCD display.

B. SEQUENCE OF OPERATIONS

Trouble Sequence of Operation: System or circuit trouble places system in trouble mode, which causes the following system operations:

1. Visible and audible trouble alarm indicated at fire alarm control panel and remote annunciator panel (if provided).
2. Trouble signal transmitted to supervising station.
3. Manual acknowledge function at fire alarm control panel silences audible trouble alarm; visible alarm is displayed until initiating failure or circuit trouble is cleared.

Supervisory Sequence of Operation: The activation of any sprinkler valve tamper switch or duct-mounted smoke detector places system in supervisory mode, which causes the following system operations:

1. Visible and audible supervisory alarm indicated by address at fire alarm control panel and remote annunciator panel (if provided).
2. Supervisory signal transmitted to supervising station.
3. Duct-mounted smoke detectors shall shutdown their respective unit upon detection of smoke and remain down until manually reset.
4. Fan-powered terminal units that are less than 2,000 cfm and are not provided with duct detection shall shutdown when its respective air handling unit is shutdown.
5. Manual acknowledge function at fire alarm control panel and remote annunciator panel silences audible supervisory alarm; visible alarm is displayed until device is returned to its normal position/supervisory condition is cleared.

Alarm Sequence of Operation: Actuation of an alarm initiating device places system in alarm mode, which causes the following system operations.

1. Audible notification appliances shall sound until silenced by the alarm silence switch at the control panel.
2. All visible alarm notification appliances shall display a continuous synchronized pattern until reset by the Alarm Reset Switch.
3. Alarm signal transmitted to supervising station.
4. All fan-powered air-handling equipment shall shutdown and remain down until the fire alarm control panel is reset.
5. Audio system is shut down.
6. The alarm LED shall flash on the control panel and remote annunciator panel until the alarm has been acknowledged at the control panel/remote annunciator panel. Once acknowledged, this same LED shall latch on and the custom label for the address in alarm shall be displayed on the alphanumeric LCD readout. A subsequent alarm received from another address after acknowledged shall flash the alarm LED on the control panel showing the new alarm information.
7. A pulsing alarm tone shall occur within the control panel until acknowledged.

C. INITIATING DEVICES

Manual Pull Station: UL 38 listed, semi -flush, double action manual pull station.

Smoke Detector (Photoelectric type): UL 268 listed, mount on twist-lock module that connects to fixed base, self-restoring, integral addressable module arranged to communicate detector status to FACU, integral visual indicating LED indicating detector is powered and operated. Photoelectric detectors shall have sensitivity between 0.5 and 3.5 percent/foot smoke obscuration.

Duct Mounted Smoke Detector (Photoelectric type): Type: UL 281A listed, provide detector with a standard, relay or isolator detector mounting base. Provide for variations in duct air velocity between 100 and 4000 feet per minute. Protect the measuring chamber in NEMA 250, Type 4X weatherproof duct housing enclosure. Provide an air exhaust tube and an air sampling inlet tube that extends into the duct air stream up to ten feet. Provide drilling templates and gaskets to facilitate locating and mounting the housing. Provide remote alarm LEDs and remote test stations as shown on the plans. Provide duct detection and shutdown for air distribution systems exceeding 2,000 cfm.

D. NOTIFICATION APPLIANCES

Visible Alarm Notification Appliances (Strobe): UL 1971 listed, unfiltered or clear filtered white light, rated light output as indicated on drawings, flash rate range from 1 to 2 Hz, maximum pulse duration of 20 milliseconds (0.02 sec) with a maximum duty cycle of 40 percent. Flashing must be in temporal pattern, synchronized with other units. Strobe shall meet all requirements of the Americans with Disabilities Act.

Audible/Visible Alarm Notification Appliances (Horn/Strobe): Combination units shall provide a common enclosure for the fire alarm audible and visible alarm appliances and be UL listed for its purpose. Minimum audible level and strobe intensity shall meet all requirements for separate appliances.

Provide flush or recessed devices unless otherwise noted.

E. AUXILIARY DEVICES

Monitor Module: Addressable microelectronic module providing a system address for alarm initiating devices for wired applications with normally open contacts. Include address setting means on the module.

Control Relay Module: Provide address setting means on module, provide minimum two normally open and two normally closed contacts, listed for HVAC fan motor control. The position of the relay contact shall be confirmed by the system firmware.

Fire Department Key Box: Provide with an internal switch to indicate a supervisory condition at the fire alarm control and annunciator panels when the lid is removed.

F. FIRE ALARM WIRE AND CABLE

Fire Alarm Power Branch Circuits: Building wire as specified in Division 26.

Signaling Line, Initiating Device, and Notification Appliance Circuits: Power limited fire-protective signaling cable, solid copper conductor, 300 Volts insulation, suitable for temperature, conditions and location installed. Minimum wire size for initiating device circuits, control circuits and notification appliance circuits shall be determined by calculations and manufacturer's requirements or recommendations. Wire and cable shall be twisted and shielded if recommended by the system manufacturer. Initiating, notification, and control circuits shall be sized based on 20 percent additional power consuming devices. The conductors shall meet the requirements of NEC Article 760.

All wiring provided on this project shall be UL listed for the intended use. All wiring including wiring to existing modified devices and appliances shall be new.

3. EXECUTION

A. GENERAL

The fire alarm system shall be a non-coded manual and automatic fire alarm system with connections to a remote supervising station. Control panel shall be micro-processor based, with fully addressable alarm devices.

Install, program, and test all new equipment identified in this contract and revise existing equipment as noted.

The installation supervisor shall be on the job site during the entire installation. The installation supervisor shall maintain marked up copies of the drawings at the job site showing as-built conditions. These drawings shall be updated daily and available for Owner review.

Provide all required conduit and all associated hardware and install (pull), connect, and test all cable for a complete fire alarm system. Install all wiring in accordance with the guidelines of these specifications and documents as well as the NFPA codes and standards listed in these specifications.

B. INSTALLATION

Pathways above suspended ceilings and in nonaccessible locations may be routed exposed where permitted by NFPA 70 & 72. Exposed pathways located less than 96 inches above the floor shall be installed in conduit. Minimum allowable conduit size shall be 3/4 inch. Size the conduit so that conduit fill does not exceed 75 percent of NFPA 70 maximum fill requirements. Cables in vertical risers shall not exceed 50 percent of NFPA 70 maximum fill requirements. Conduit installation shall be as required by the Contractor's layout and as described in these specifications. All conduit field routing shall be acceptable to the Owner. Routing not acceptable shall be rerouted and replaced without expense to the Owner.

Conceal all wire, cable, conduit, and raceways in walls, ceiling spaces, electrical shafts, or closets in finished areas except as specifically noted otherwise. Conduit and raceways may be exposed in unfinished areas or where specifically approved by the Owner.

Except as otherwise specified or indicated on the drawings, install all conduit parallel or perpendicular to dominant surfaces with right angle turns made of symmetrical bends or fittings. Except where prevented by the location of other work, a single conduit or a conduit group shall be centered on structural members.

Locate conduit at least six inches from hot water or steam pipes and from other hot surfaces. Conduit shall not block access to any existing equipment or fixtures.

Label all conduits and junction boxes as specified in Division 26.

Terminate all wiring at devices or panels using terminal connectors for screw type terminals. All terminal connectors for conductors shall be pre-insulated ring type or pre-insulated spade type. Pre-insulated terminal connectors shall include a vinyl sleeve, color coded to indicate conductor size. Pre-insulated terminal connectors shall include a metallic support sleeve bonded to the vinyl-insulating sleeve and designed to grip the conductor insulation.

Mount end-of-line device in box with last device or separate box adjacent to last device in circuit for conventional hardwired Class B initiating and notification appliance circuits.

Securely fasten conduit to all boxes and cabinets. Threads on metallic conduit shall project through the wall of the box to allow the bushing to butt against the end of the conduit. The locknuts both inside and outside shall then be tightened sufficiently to bond the conduit securely to the box. Conduit shall enter cabinets from the bottom and sides only.

Install manual stations with operating handle 48 inches above floor unless noted otherwise on drawings.

Install ceiling mounted initiating devices in areas with exposed structure tight to underside of floor/roof deck.

Do not install smoke detectors in a direct air flow nor closer than 3 feet (1 meter) from an air supply diffuser or return air opening.

Install ceiling mounted visible and audible/visible notification appliances in areas with exposed structure to bottom of floor/roof structure or at 30 ft AFF, whichever is lower.

Install ceiling mounted visible and audible/visible notification appliances in areas with finished ceilings flush with bottom of ceiling or at 30 ft AFF, whichever is lower.

Make conduit and wiring connections to equipment provided by others.

Provide strobe synchronization as required per NFPA 72.

C. PENETRATIONS

Seal all fire protection floor, wall and roof penetrations watertight and weathertight. Provide UL through-penetration firestop system (XHEZ) at all fire protection penetrations to maintain fire resistance rating of fire-rated assemblies. Provide a product schedule for UL listing, location, wall or floor rating and installation drawing for each penetration fire stop system.

Sealants and accessories shall have fire-resistance ratings indicated, as established by testing identical assemblies in accordance with UL 2079 or ASTM E 814, or other NRTL acceptable to AHJ.

D. TESTING AND ACCEPTANCE

Systems shall be checked and tested in accordance with the instructions provided by the manufacturer to ensure that the system functions as required and is free of grounds, opens, and shorts. Each device shall be tested. Smoke detectors shall be tested with products of combustion.

Upon completion of the system installation and before the date of final acceptance, a factory-trained technician shall perform all necessary tests and adjustments and shall file a Letter of Certification and a Certificate of Completion (NFPA 72) with the Owner indicating that the system functions and conforms to the specifications.

Test in accordance with NFPA 72 and local fire department requirements.

Provide Inspection and Testing Forms according to the "Inspection, Testing and Maintenance" chapter in NFPA 72. Include: equipment tested, frequency of testing of installed components, frequency of inspection of installed components, requirements and recommendations related to results of maintenance, manufacturer's user training manuals, manufacturer's required maintenance related to system warranty requirements., abbreviated operating instructions for mounting at fire alarm control unit and each annunciator unit, copy of all guarantees and warranties issued, and contact list with minimum three service representative phone numbers.

E. MANUFACTURER'S FIELD SERVICES

Include services of factory trained and certified technician to supervise installation, adjustments, final connections, and system testing as performed by the Contractor's factory-trained technicians.

Submit a certification letter to the Architect stating that the Owner 's designated representative has been trained as specified herein. Letter shall include date, time, attendees, and subject of training. The Contractor and the Owner's representative shall sign the certification letter indicating agreement that the training has been provided.

Schedule training with Owner with at least 7 days advance notice.

Provide Operation and Maintenance (O&M) manuals in accordance with the Operation and Maintenance section of this specification to building personnel.

END OF SECTION 28

BANK OF AMERICA

CHIPMAN

1801 NW CHIPMAN ROAD, LEES SUMMIT, MO

SERIAL NUM./MANH. ID: 2550004415
VERSION:
BULLETIN: 03-2025

STATE OF MISSOURI
TRACY A. WORLEY
NUMBER PE-2023019446
PROFESSIONAL ENGINEER

3/3/2026

TRACY A. WORLEY
LICENSE # PE-2023019446

DELTA	ISSUE	DESCRIPTION	DATE
1	CD_F		02/25/2026

HENDERSON ENGINEERS
8345 LENEXA DRIVE, SUITE 300
LENEXA, KS 66214
TEL 913.742.5000 FAX 913.742.5001
WWW.HENDERSONENGINEERS.COM

2550004415
MO. CORPORATE NO: E-555D
EXPIRES 12/31/2026

Owner Approval
2550004415 Not to Scale
Job No. Scale

FIRE ALARM SPECIFICATIONS

FA03.01

TRACY A. WORLEY