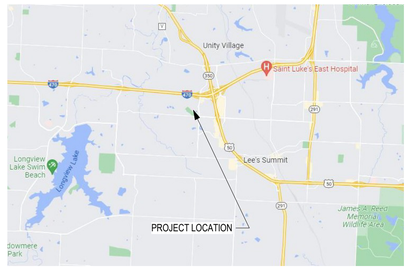
STREETS OF WEST PRYOR:CORE & SHELL

MULTI-TENANT BUILDING - PARCEL 9B

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081



A1 LOCATION MAP
SCALE: NOT TO SCALE

N

GRAPHIC SYMBOLS

ELEVATION TAG — B3 / B3 A-202 B3 / B3

WALL SECTION TAG — B5 A-202 SIM

DETAIL CALLOUT — SIM A2 A-303; SMALL REFERENCE NOTE A-101/A1

PARTITION TYPE TAG — P2

WINDOW TAG — 1t

DOOR TAG — D101B

ROOM TAG — ROOM NAME 101

BEARING ELEVATION MARK — EL - FLOOR 100'-0"

MATCHLINE — A-101 / 1 / A-101 / 1

DESCRIPTIVE ARROW — NEW / EXISTING

CENTERLINE MARK — ℄

SPOT ELEVATION

DEMOLITION MARK — 1

GENERAL NOTE MARK — 1

NEW CONSTRUCTION MARK — 1

REVISION MARK — 1

EQUIPMENT TAG — 1i

MATERIAL LEGEND

PLAN OR SECTION

- ACOUSTIC TILE (SECTION)
- BATT INSULATION
- BRICK
- CARPET
- CONCRETE
- CONCRETE MASONRY UNITS
- CONCRETE, PLASTER CUT STONE, STUCCO
- EARTH COMPACTED/ DISTURBED
- METAL
- METAL STUDS
- PLYWOOD (LARGE SIZE)
- RIGID INSULATION
- SAND, GRAVEL, PLASTER, DRYWALL, CUT STONE, GROUT TILE (LARGE SCALE)
- WOOD BLOCKING
- WOOD MEMBER (CONTINUOUS)
- WOOD STUDS, PARALAM, FINISHED

ELEVATION

- BRICK
- GLASS
- WOOD

CODE SUMMARY

LEE'S SUMMIT, MISSOURI, BUILDING CODES

INTERNATIONAL BUILDING CODE	2018
INTERNATIONAL MECHANICAL CODE	2018
NATIONAL ELECTRICAL CODE	2017
INTERNATIONAL PLUMBING CODE	2018
INTERNATIONAL FIRE CODE	2018
INTERNATIONAL FUEL GAS CODE	2018
ICC/ANSI A117.1-2017, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES	
BUILDING TYPE:	NEW CONSTRUCTION
OCCUPANCY TYPE:	1B A2 2 / 5B
CONSTRUCTION TYPE:	
ALLOWABLE HEIGHT:	40 FT = 1 STORIES
ACTUAL HEIGHT:	28 FT = 1 STORIES

GROSS BUILDING AREA:

TENANT A:	2,520 SF
TENANT B:	1,850 SF
TOTAL 1ST FLOOR:	4,370 SF

ALLOWABLE FLOOR AREA:

TENANT A - (BASE ALLOWABLE):	A-2.5B = 6000 SF
TENANT B - (BASE ALLOWABLE):	B.5B = 9000 SF

PLUMBING FIXTURES:

PLUMBING FIXTURE TO BE INCLUDED IN INDIVIDUAL TENANT FINISH SUBMITTALS

ABBREVIATIONS

A

AFF	ABOVE FINISH FLOOR
ACS PNL	ACCESS PANEL
ACC	ACCESSIBLE
ACT	ACOUSTICAL CEILING TILE
ACOUS PNL	ACOUSTICAL PANEL
ADMIN	ADMINISTRATION
APC	ACOUSTICAL PANEL CEILING
AWT	ACOUSTICAL WALL TREATMENT
ADJ	ADJUSTABLE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AB	ANCHOR BOLT
L	ANGLE
ANOD	ANODIZE / ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT

B

BSMT	BASEMENT
BM	BEAM
BRG	BEARING
BRG PL	BEARING PLATE
BR	BEDROOM
BLW	BELOW
BTWN	BETWEEN
BITUM	BITUMINOUS
BD	BOARD
BF	BOTH FACES
BS	BOTH SIDES
BW	BOTH WAYS
BOT	BOTTOM
BRKT	BRACKET
BLDG	BUILDING
BUR	BUILT-UP ROOFING

C

CAB	CABINET
CUH	CABINET UNIT HEATER
CPT	CARPET
CIP	CAST-IN-PLACE
CS	CAST STONE
CLG	CEILING
CEM	CEMENT
CTR	CENTER
CL	CENTER LINE
C TO C	CERAMIC TILE
CH BD	CHALKBOARD
C	CHANNEL
CLR	CLEAR
CLO	CLOSET
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CJ	CONSTRUCTION JOINT, CONTROL JOINT

D

DL	DEAD LOAD
DEMO	DEMOLITION
DEPT	DEPARTMENT
D	DEPTH
DET	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION

D CONTINUED

DW	DISHWASHER
DR	DOOR
DBL	DOUBLE
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
DF	DRINKING FOUNTAIN

E

EA	EACH
EW	EACH WAY
ESMT	EASEMENT
E	EAST
ELEC	ELECTRIC, ELECTRICAL
EL	ELEVATION
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EXH FN	EXHAUST FAN
EXIST	EXISTING
EXP	EXPANSION
EJ	EXPANSION JOINT
EXT	EXTERIOR
EIFS	EXTERIOR INSULATION & FINISH SYSTEM

F

FC BRK	FACE BRICK
FOF	FACE OF FINISH
FGL	FIBERGLASS
FIN	FINISH
FF EL	FINISH FLOOR ELEVATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FIXT	FIXTURE
FLASH	FLASHING
FLR	FLOOR
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLUOR	FLUORESCENT
FLL	FLOW LINE
FT	FOOT
FTG	FOOTING
FDTN	FOUNDATION
FR	FRAME
FA	FRESH AIR
FURN	FURNACE
FURG	FURRING
FS	FULL SIZE

G

GA	GAUGE
GALV STL	GALVANIZED STEEL
GC	GENERAL CONTRACTOR
GL	GLASS
GB	GRAB BAR
GYP BD	GYPSUM BOARD

H

HCP	HANDICAPPED
HDW	HARDWARE
HDWD	HARDWOOD
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HT	HEIGHT
H	HIGH
HWY	HIGHWAY
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORESEPOWER

H CONTINUED

HW	HOT WATER
HYD	HYDRANT

I

INCL	INCLUDED
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR

J

JAN	JANITOR

K

KIT	KITCHEN

L

L	ANGLE
LAB	LABORATORY
LAM	LAMINATE
LAU	LAUNDRY
LAV	LAVATORY
LWC	LIGHTWEIGHT CONCRETE
LCMU	LIGHTWEIGHT CONCRETE MASONRY
LF	LINEAR FOOT
LL	LIVE LOAD
LR	LIVING ROOM
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL

M

MAINT	MAINTENANCE
MH	MANHOLE
MFD	MANUFACTURED
MFR	MANUFACTURER
MFG	MANUFACTURING
MO	MASONRY OPENING
MBR	MASTER BEDROOM
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MTL	METAL
MW	MICROWAVE
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
MR	MOISTURE RESISTANT
MTD	MOUNTED
MULL	MULLION

N

NRC	NOISE REDUCTION COEFFICIENT
NOM	NOMINAL
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE

O

OFF	OFFICE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
OD	OUTSIDE DIAMETER
O/O	OUT TO OUT
OA	OVERALL
ORD	OVERFLOW ROOF DRAIN
OH	OVERHANG
OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OF/OI	OWNER FURNISHED/ OWNER INSTALLED

P

PT	PAINT
PR	PAIR
PNL	PANEL
PTD	PAPER TOWEL DISPENSER
PBD	PARTICLE BOARD
PTN	PARTITION
PVG	PAVING
PERF	PERFORATED
PERIM	PERIMETER
PLAS	PLASTER
PERP	PERPENDICULAR
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PVC	POLYVINYL CHLORIDE
LB	POUND
PCF	POUNDS PER CUBIC FOOT
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PCC	PRECAST CONCRETE
PREFAB	PREFABRICATE
PREFIN	PREFINISH
PROJ	PROJECT
PL	PROPERTY LINE

Q

QT	QUARRY TILE

R

REF	REFERENCE, REFRIGERATOR
RCP	REFLECTED CEILING PLAN
REINF	REINFORCE
REQD	REQUIRED
RESIL	RESILIENT
REST	RESTROOM
RA	RETURN AIR
REV	REVISION
R	RISER, RADIUS, RANGE
RD	ROOF DRAIN
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
RS	ROUGH SAWN

S

SNU	SANITARY NAPKIN DISPENSER
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SS	SANITARY SEWER
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SV	SHEET VINYL
SHV	SHELVING
SHR	SHOWER
SIM	SIMILAR
SCWD	SOLID CORE WOOD
STC	SOUND TRANSMISSION CLASS
S	SOUTH
SPEC	SPECIFICATION
SB	SPLASH BLOCK
SF	SQUARE FOOT
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SST	STAINLESS STEEL
STD	STANDARD
STL JST	STEEL JOIST
STOR	STORAGE
SD	STORM DRAIN
ST	STREET

S CONTINUED

STRUCT	STRUCTURAL
SUSP CLG	SUSPENDED CEILING
SW	SWITCH

T

TK BD	TACKBOARD
TEL	TELEPHONE
TV	TELEVISION
TMPD	TEMPERED
TER	TERRAZZO
THK	THICKNESS
TPD	TOILET PAPER HOLDER
T&G	TONGUE AND GROOVE
T&B	TOP AND BOTTOM
TOC	TOP OF CURB, TOP OF CONCRETE
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TOW	TOP OF WALL
TB	TOWEL BAR
TRANS	TRANSPARENT
*TF	TRANSPARENT WOOD FINISH
T	TREAD
TYP	TYPICAL

U

UNFIN	UNFINISHED
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE

V

VR	VAPOR RETARDER
VNR	VENEER
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
VWF	VINYL WALL FABRIC
V	VOLT

W

WSCT	WAINSCOT
WC	WALL COVERING, WATER CLOSET
WH	WATER HEATER
WP	WATERPROOFING, WORKING POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
W	WEST, WIDE
WDW	WINDOW
WGL	WIRED GLASS
W/	WITH
W/O	WITHOUT
WD	WOOD

DESIGN TEAM

ARCHITECTURAL DESIGN

SCHWERDT DESIGN GROUP
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TOPEKA, KANSAS 66614

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MECHANICAL & ELECTRICAL DESIGN

PKMR ENGINEERS
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CONTACT: BRYAN LEINWETTER, PE
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CONTACT: AARON SCOTT, PE
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COLUMBIA, MO 65203

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SHEET INDEX

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
Date: 4/4/2022

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oklahoma city, ok 73102
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STATE OF MISSOURI
MICHAEL K. HAMPTON
ARCHITECT
4/4/2022
MICHAEL K HAMPTON
#MO# A-2008027042
SCHWERDT DESIGN GROUP INC
MO.CERTIFICATE OF AUTH. #F00353876

MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4/4/2022

4-28-22	2	ASI-2

SHEET TITLE
COVER SHEET

PROJECT NUMBER
210345

SHEET NUMBER
G-001

FILE PATH: C:\Users\scott\Documents\210345_West-Pryor_Lot-9B_mes@sdgarch.com.rvt
DATE: 5/4/2022 2:12:01 PM
DRAWN BY: Author

Fire-resistance Ratings - ANSI/UL 263 BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design Criteria and Allowable Variances

Design No. U301 February 14, 2022
Bearing Wall Rating — 2 Hr.
Finish Rating — 66 Min.
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7 * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

1. Nailheads — Exposed or covered with joint compound.

2. Joints — Exposed joints covered with joint compound and paper tape. Joint compound and paper tape may be omitted when square edge boards are used. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with the joints reinforced with paper tape.

3. Nails — 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam, 1/4 in. diam heads, and 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam heads.

4. Gypsum Board* — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 6 in. OC. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8 in. OC. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.
When used in widths other than 48 in., gypsum board to be installed horizontally.When Steel Framing Members* (Item 6 or any alternate clips) are used, base layer attached to furring channels with 1 in. long Type S bugle-head steel screws spaced max 24 in. OC; face layer attached with 1-5/8 in. long Type S bugle-head steel screws spaced max 12 in. OC.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, AGX-11, LightRoc
BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1
CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Moisture Resistant Type X, Gypsum Sheathing Type X, Mold & Mildew Resistant Type X and Mold & Mildew Resistant AR Type X, Type Blueglass Exterior Sheathing
CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, GlasRoc-2, Type C, Type X, Type X-1
CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX
CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX, CLLX
GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6. LS, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSW-C, FSW-G, FSMR-C, FSL, RSX
NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-2, PG-3, PG-3W, PG-4, PG-5, PG-5W, PG-5WS, PG-9, PG-11, PG-C, PGS-WRS, PGI
PANEL REY S A — Types PRC, PRC2, PRX, RHX, MDX, ETX, GREX, GRIX
SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1
THAI GYPSUM PRODUCTS PCL — Type C or Type X
UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, USGX, WRC, WRX
USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX
USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX

4A. Gypsum Board* — (As an alternate to Item 4) — Nom 3/4 in. thick, installed as described in Item 4.
CGC INC — Types AR, IP-AR
UNITED STATES GYPSUM CO — Types AR, IP-AR
USG MEXICO S A DE C V — Types AR, IP-AR

4B. Gypsum Board* — (As an alternate to Items 4 and 4A) — 5/8 in. thick, 2 ft wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 4. Joint covering (Item 2) not required.
CGC INC — Type SHX
UNITED STATES GYPSUM CO — Type SHX
USG MEXICO S A DE C V — Type SHX

4C. Gypsum Board* — (As an alternate to Items 4, 4A or 4B — Not Shown) — For Direct Application to Studs Only- For use on one or both sides of the wall as the base layer or one or both sides of the wall as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-12 pan head steel screws, F4j.one at the top of the strip and one at the bottom of the strip. Lead discs or tabs may be used in lieu of or in addition to the lead batten strips or optional at other locations. Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards underneath screw locations prior to the installation of the screws. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C", Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.
RAY-BAR ENGINEERING CORP — Type RB-LBG.

4D. Gypsum Board* — As an Alternate to Item 4 — 5/8 in. thick applied either horizontally or vertically. Inner layers fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. Outer layers fastened to framing with 1-7/8 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc

4E. Gypsum Board* — (As an alternate to Items 4 through 4D) — 5/8 in. thick, 4 ft. wide, paper surfaced applied vertically and secured as described in Item 4.
GEORGIA-PACIFIC GYPSUM L L C — Type X ComfortGuard Sound Deadening Gypsum Board

4F. Gypsum Board* — (As an alternate to Item 4) — Not to be used with item 6, 6A, 6B or 6C. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically and secured as described in Item 4.
NATIONAL GYPSUM CO — Type SBWB

4G. Gypsum Board * — (As an alternate to Items 4 through 4F) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types QuietRock ES

4H. Gypsum Board* — (As an alternate to Item 4) — Not to be used with item 6, 6A, 6B, or 6C. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically or horizontally and secured as described in Item 4.
CERTAINTEED GYPSUM INC — Type SilentFX

4I. Gypsum Board* — (As an alternate to item 4) — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with 1-1/4 in. long Type W steel screws spaced 8 in. OC. Outer layer attached to studs over inner layer with 2 in. long Type W steel screws spaced 8 in. OC offset 6 in. from base layer. Vertical joints located over studs. Vertical and horizontal joints between inner and outer layers staggered. Outer layer joints covered with joint tape and compound, screwheads covered with joint compound. As an alternate to the joint compound nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Wallboard other than 48 in. wide must be applied horizontally. The SoundBreak XP Type X Gypsum Board is not to be used with Item 6, 6A, 6B, or 6C.
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-C, FSW-G, FSMR-C, SBWB

4J. Gypsum Board* — (As an alternate to Items 4) — For Direct Application to Studs Only- For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-B pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick. compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.
MAYCO INDUSTRIES INC — "X-Ray Shielded Gypsum"

4K. Gypsum Board* — For use with Item 7 — 5/8 in. thick, two layers applied vertically. Inner layer attached to resilient channels with 1 in. long steel screws spaced 8 in. OC. Outer layer attached to resilient channels over inner layer with 1-5/8 in. long steel screws spaced 8 in. OC. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side. Insulation, Items 8 or 9 is required.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, AGX-11

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW, FSW-3, FSW-5, FSW-6, FSW-C, FSW-G, FSMR-C, SBWB.

4L. Gypsum Board* — (As an alternate to Items 4) — For Direct Application to Studs Only- For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Items 4, 4A or 4B) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel screws spaced as described in Item 4.
RAD INTERNATIONAL LTD — Type RPP - Lead Lined Drywall

4M. Gypsum Board* — (As an alternate to Item 4) — 5/8 in. thick, 4 ft. wide, two layers applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Secured as described in Item 4.
CERTAINTEED GYPSUM INC — 5/8" Easi-Lite Type X

4N. Gypsum Board* — (As an alternate to 5/8 in. Type FSW in Items 4 or 4I) — Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Two layers of 5/16 in. for every single layer of 5/8 in. gypsum board described in Item 4 or 4I. Horizontal joints on the same side need not be staggered. Inner layer of each double 5/16 in. layer attached with fasteners, as described in item 4 or 4I, spaced 24 in. OC. Outer layer of each double 5/16 in. layer attached per Item 4 or 4I.
NATIONAL GYPSUM CO — Type FSW

4O. Wall and Partition Facings and Accessories* — (As an alternate to Items 4 through 4N) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4P. Gypsum Board* — (As an alternate to Item 4) — 5/8 in. thick, two layers applied either horizontally or vertically. Inner layer attached to studs with 1-1/4 in. long Type W steel screws spaced 10 in. OC with the last two screws 4 and 1 in. from the edges of the board. Outer layer attached to studs over inner layer with 1-7/8 in. long Type W steel screws spaced 10 in. OC offset 5 in. from base layer with the last two screws 4 and 1 in. from the edges of the board. Vertical joints located over studs. Vertical and horizontal joints between inner and outer layers staggered. Outer layer joints covered with joint tape and compound, screwheads covered with joint compound. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
CERTAINTEED GYPSUM INC — Type LGFC6A, Type LGFC2A, Type LGFC-C/A, Type LGFC-WD, Type LGLLX

4Q. Gypsum Board* — (As an alternate to Item 4. For use with Item 13) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board UL Classified for Fire Resistance (CKNX) eligible for use in Design Nos. U305 and L501 or G512. Two layers, applied either horizontally or vertically, and screwed to studs with 1-5/8 in. long Type W coarse thread steel screws at 8 in. OC at perimeter and in the field with the last two screws 4 and 3/4 in. from the edges of the board when applied as the base layer. For the face layer, screw length to be increased to 2-1/2 in. All joints in face layers staggered with joints in base layers. When used in widths other than 48 in., gypsum panels are to be installed horizontally.
4R. Gypsum Board* — As an Alternate to Item 4 — 5/8 in. thick applied either horizontally or vertically. Inner layers fastened to framing with 1-1/4 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. Outer layers fastened to framing with 1-7/8 in. long Type W coarse thread gypsum panel steel screws spaced a max 8 in. OC, with last screw 1 in. from edge of board. When used in widths other than 48 in., gypsum board to be installed horizontally. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.
CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, GlasRoc-2, Type C, Type X, Type X-1, Easi-Lite Type X, SilentFX

4S. Gypsum Board* — (As an alternate to Item 4. For use with Item 13A) — 5/8 in. thick, two layers applied vertically. Inner layer attached to studs with the 1-7/8 in. nails spaced 6 in. OC. Outer layer attached to studs over inner layer with the 2-3/8 in. long nails spaced 8 in. OC. Vertical joints located over studs. All joints in face layers staggered with joints in base layers. Joints of each base layer offset with joints of base layer on opposite side.
AMERICAN GYPSUM CO — Types AGX-1
BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1
CABOT MANUFACTURING ULC — "5/8 Type X"
CERTAINTEED GYPSUM INC — Type X
CGC INC — Type SCX
PANEL REY S A — Type PRX
SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1
THAI GYPSUM PRODUCTS PCL — Type X
UNITED STATES GYPSUM CO — Type SCX
USG BORAL DRYWALL SFZ LLC — Types SCX
USG MEXICO S A DE C V — Type SCX

4T. Gypsum Board* — (As an alternate to Item 4. For use with Item 13B) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 4 above. Two layers applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. All joints in outer layers staggered with joints in inner layers. Inner layer attached to studs with 1-5/8 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC at perimeter and in the field. Outer layer attached to studs over inner layer with the 2-1/2 in. long Type W coarse thread gypsum panel steel screws spaced 8 in. OC.

5. Molded Plastic* — Not Shown, Optional — Solid vinyl siding mechanically secured over the outer layer to framing members in accordance with manufacturer's recommended installation details.
ALSIDE, DIV OF ASSOCIATED MATERIALS INC
GENTEK BUILDING PRODUCTS LTD
VYTEC CORP

6. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
A. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Wallboard attached to furring channels as described in Item 4.
B. Steel Framing Members* — Used to attach furring channels (Item 6a) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

6A. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
A. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.
B. Steel Framing Members* — Used to attach furring channels (Item 6Aa) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

6B. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
A. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6Bb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4.
B. Steel Framing Members* — Used to attach furring channels (Item 6Ba) to studs. Clips spaced 48 in. OC., and secured to studs with 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

6C. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) —Resilient channels and Steel Framing Members as described below:
a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.
b. Steel Framing Members* — Used to attach resilient channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

6D. Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) — Used as an alternate method to attach resilient channels to wall studs. A resilient sound isolation accessory shall be used at each attachment point of the resilient channels and spaced max 24 in. O.C. Channel ends butted and centered under the structural members and attached with one accessory at each end. Additional accessories used to hold resilient channels that support the gypsum board end joints. The accessory envelops the mounting edge of the resilient channel. The accessory and resilient channel are fastened to the structural members with the screws supplied with the accessory and per the accessory manufacturer's installation instructions.
PAC INTERNATIONAL L L C — Type RC-1 Boost

6E Steel Framing Members* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 4.
b Steel Framing Members* — Used to attach furring channels (Item 6Ea) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

7. Furring Channel — Optional — Not Shown — For use on one side of the wall with Item 4K — Resilient channels, 25 MSG galv steel, spaced vertically 24 in. OC, flange portion screw attached to one side of studs with 1-1/4 in. long diamond shaped point, double lead Phillips head steel screws. When resilient channels are used, insulation, Item 8 or 9 is required.
8. Batts and Blankets* — Required for use with resilient channels, Item 7, min. 3 in. thick mineral wool batts, placed to fill interior of wall, attached to the nom 4 in. face of the studs with staples placed 24 in. OC.
ROCKWOOL — Type SAFEnSOUND
THERMAFIBER INC — Type SAFB, SAFB FF

9. Batts and Blankets* — (As an alternate to Item 8) — Min. 3 in. thick glass fiber batts bearing the UL Classification Marking as to Surface Burning and/or Fire Resistance, friction-fitted to fill the stud cavities. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.
9A. Fiber, Sprayed* — (Optional) — As an alternate to Batts and Blankets (Item 8), Required for use with resilient channels, Item 7, Not for use with Item 6, 6A, 6B, or 6C. — Spray applied mineral wool insulation. The fiber is applied with adhesive, at a minimum density of 4.0 pcf, to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ).
AMERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

10. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the wood framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 or QR-510

11. Cementitious Backer Units* — (Optional Item Not Shown — For Use On Face Of 2 Hr Systems With All Standard Items Required) — 7/16 in., 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied horizontally or vertically with vertical joints centered over studs. Face layer fastened over gypsum board to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. OC.
NATIONAL GYPSUM CO — Type DuraBacker, PermaBase, DuraBacker Plus, or PermaBase Plus

12. Wall and Partition Facings and Accessories* — (Optional, Not Shown) - When the Wall Assembly is used as an External Wall, on the External side of the wall one of the following Wall and Partition and Facing Accessories may be used, refer to items (A) to (C) below.
A. Non Insulated system with metal channels — Install moisture barrier over the Gypsum Board Item 4 and Install Acry Metal Channels vertically at a horizontal spacing not greater than 24 inches OC., over the moisture barrier. Acry Metal Channels attached through the moisture barrier and the Gypsum Board to the Wood Studs using fasteners specified by the manufacturer and fasteners spaced max., 24 in. OC. Install Acrytec Panels on Acry Metal Channels using 1-1/4" long corrosion coated stainless steel screws spaced at a max spacing of 24 inches OC, along with manufacturer's approved adhesive (3M 540 or Tremco Vulcum 116). Adhesive to be applied in a zigzag pattern along every channel. Joint treatment in between panels shall be Tremco illmod 600 pre compressed polyurethane foam sealant.
B. Insulated system with metal channels — Install moisture barrier over the Gypsum Board Item 4. Install galvanized Z girt channels specified by the manufacturer over the moisture barrier and the Gypsum Board Item 4. Z girt channels to be installed horizontally at a max. spacing of 24" OC. Z girt channels attached through the Gypsum Board and the moisture barrier to the wood studs with screws provided by the manufacturer at a max spacing of 24 inches OC. Install mineral wool insulation between the Z girts. Maximum thickness of mineral wool insulation not to exceed 6 in. As per manufacturer's instructions install Acry Metal Channels vertically over the Z girts at a max horizontal spacing of 24 in. OC. Acrytec Panels installed on Acry channel with 1-1/4" long corrosion coated stainless steel screws at a max spacing of 24 in. OC, along with manufacturers approved adhesive (3M 540 or Tremco Vulcum 116). Adhesive to be applied in a zigzag pattern along every channel. Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant.
C. Non insulated wood strapping system — Install moisture barrier over the Gypsum Board Item 4 and Install 1" x 3" wood strapping vertically at a horizontal spacing not greater than 24 inches OC., over the moisture barrier. 1" x 3" wood strapping attached through the moisture barrier and the Gypsum Board to the Wood studs using fasteners specified by the manufacturer and fasteners spaced max., 24 in. OC. Acrytec Panels to be installed on the 1" x 3" wood strapping using manufacturers approved stainless steel fasteners spaced at maximum 24 inches OC along with Tremco Vulcum 116 adhesive applied in a zigzag pattern along every wood strap. Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant.
D. Insulated Wood Strapping System — Install moisture barrier over the Gypsum Board Item 4. Install Extruded Polystyrene Insulation over moisture barrier and the Gypsum Board Item 4, max thickness of insulation not to exceed 4 inches. Install 1" x 3" wood strapping vertically at a horizontal spacing not greater than 24 inches OC. Wood strapping attached through the Insulation, the Gypsum Board and moisture barrier to the Wood Studs using fasteners specified by the manufacturer and fasteners spaced max. 24 in. OC. Acrytec Panels to be installed over the wood strapping using manufacturers approved stainless steel fasteners at a max spacing of 24 in. OC and Tremco Vulcum 116 adhesive applied in a zigzag pattern along every wood strap. Joint treatment in between panels to be Tremco illmod 600 pre compressed polyurethane foam sealant.
ACRYTEC PANEL INDUSTRIES — Nominal 5/8 inch thick Acrytec Panel.

13. Foamed Plastic* — (Optional, Not Shown - For use with Item 4Q) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
SES FOAM INC — Nexseal™ 2.0 or Nexseal™ 2.0 LE Spray Foam and Sucraseal Spray Foam. For use in Bearing and Non-Load Bearing Walls.

13A. Foamed Plastic* — (Optional, Not Shown - For use with Item 4S) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
GACO WESTERN L L C — Types GacoEZSpray F4500, GacoProFill FR6500R, Gaco 052N, GacoOnePass F1850, GacoOnePass Low GWP F1880, and Gaco WallFoam 183M.

13B. Foamed Plastic* — (Optional, Not Shown - For use with Item 4T) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity.
CARLISLE SPRAY FOAM INSULATION — Types SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.

14. Foamed Plastic* — (Optional, Not Shown - For use over Gypsum Board, Item 4) - Polyisocyanurate foamed plastic boards, any thickness applied vertically with vertical joints located over studs. May be used with Molded Plastic, Item 5 or any exterior facing, as authorized by the Authority Having Jurisdiction and installed in accordance with the manufacturer's installation instructions.
HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci Class A", "Xci 286", "Xci Foil (Class A)", "Xci CG", "Xci Foil", "Xci CG NH", "Xci Foil NH"

15. Building Units* — (Optional, Not Shown - For use over Gypsum Board, Item 4) Polyisocyanurate composite foamed plastic boards, any thickness, applied vertically with vertical joints located over studs. May be used with Molded Plastic, Item 5 or any exterior facing, as authorized by the Authority Having Jurisdiction and installed in accordance with the manufacturer's installation instructions.
HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci NB", "Xci Ply"
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
Last Updated on 2022-02-14

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RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
May 4, 2022

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ARCHITECT
MICHAEL K HAMPTON
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SCHWERDT DESIGN GROUP INC
MO CERTIFICATE OF AUTH. #F0035876

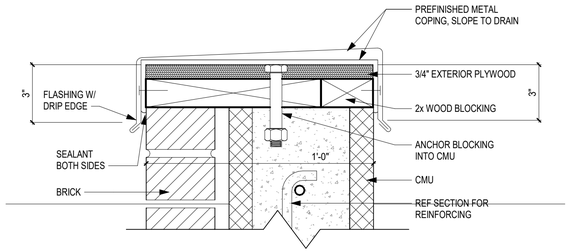
MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4/4/2022

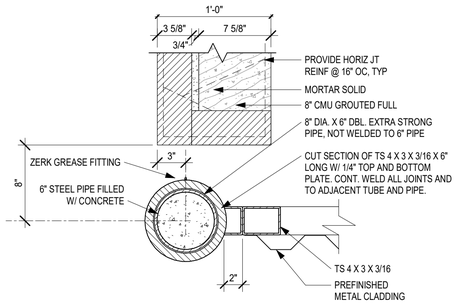
SHEET TITLE
UL Sheet

PROJECT NUMBER
210345

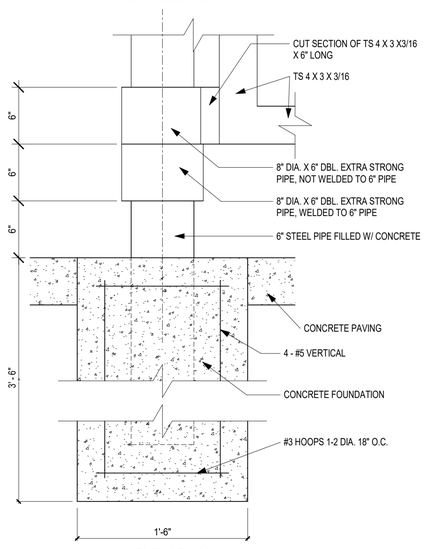
SHEET NUMBER
G-002



D5 TRASH ENCLOSURE CAP DETAIL
SCALE: 3" = 1'-0"



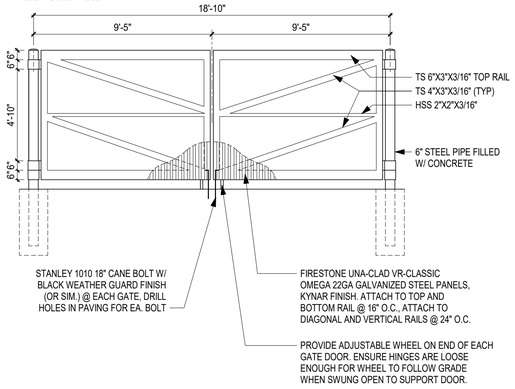
PLAN SECTION



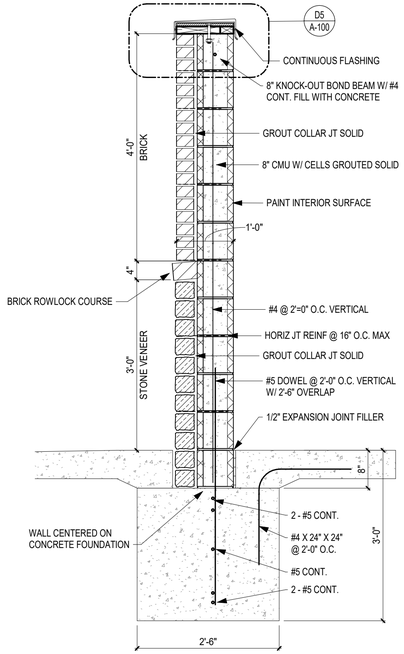
ELEVATION

A5 ENCLOSURE GATE HINDGE DETAIL
SCALE: 1 1/2" = 1'-0"

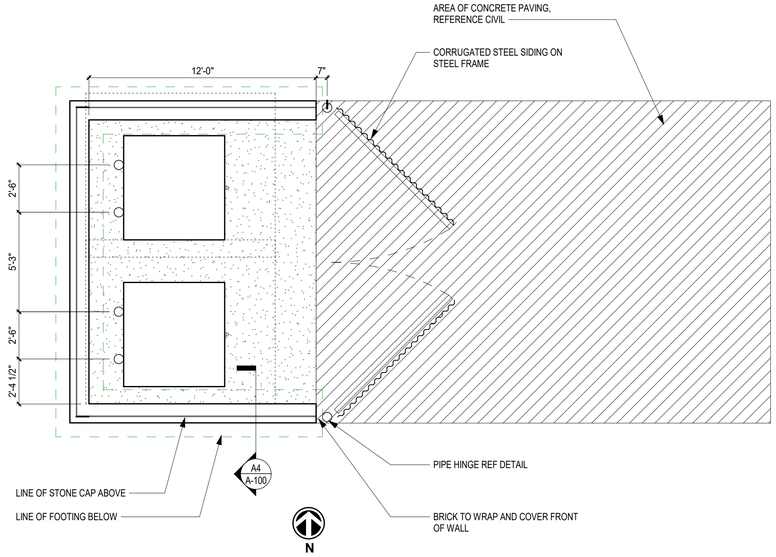
NOTE: CONTINOUS WELD ALL STEEL JOINTS AND GRIND SMOOTH. PAINT ALL EXPOSED STEEL.



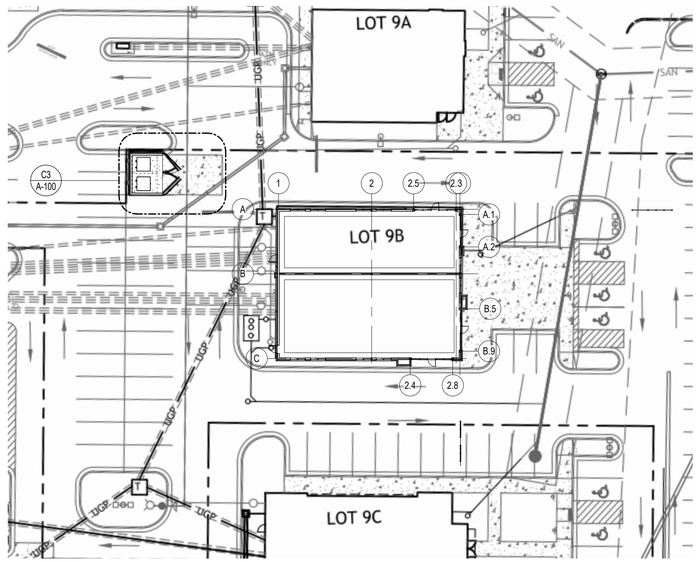
C4 TRASH ENCLOSURE GATE ELEVATION
SCALE: 1/4" = 1'-0"



A4 TRASH ENCLOSURE WALL SECTION
SCALE: 3/4" = 1'-0"



C3 TRASH ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



N

A3 SITE PLAN
SCALE: 1" = 30'-0"

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architecture | interiors | planning
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topeka, kansas 66614-4275
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STATE OF MISSOURI
MICHAEL K. HAMPTON
4/4/2022
ARCHITECT

MICHAEL K HAMPTON
#MO# A-2008027042
SCHWERDT DESIGN GROUP INC
MO CERTIFICATE OF AUTH. #F00353876

MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4/4/2022

SHEET TITLE
SITE PLAN

PROJECT NUMBER
210345

SHEET NUMBER
A-100

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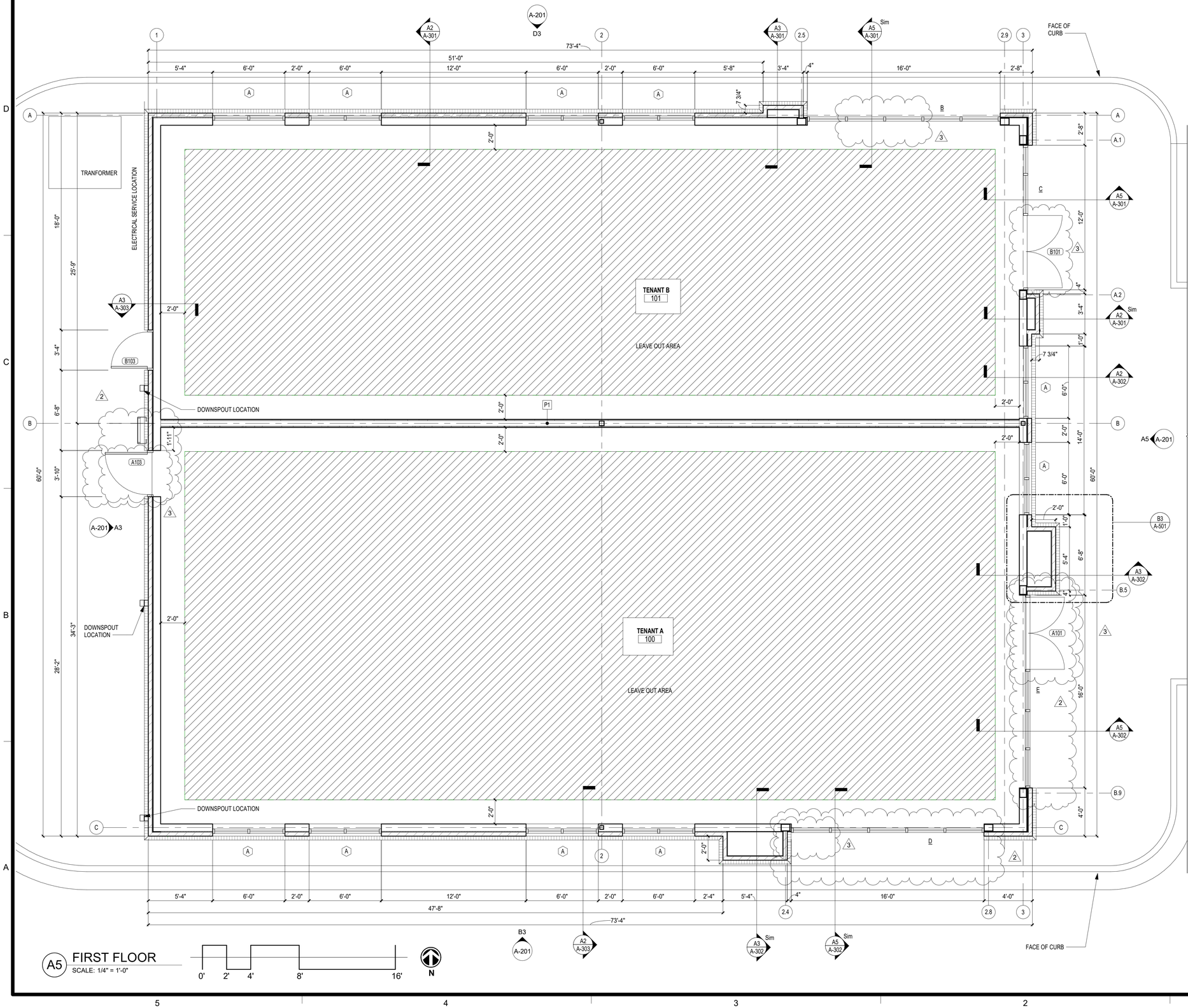
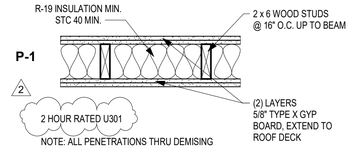


A5 FIRST FLOOR
SCALE: 1/4" = 1'-0"

0' 2' 4' 8' 16'

N



D1 PARTITION TYPES
SCALE: 1" = 1'-0"

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STATE OF MISSOURI
MICHAEL K. HAMPTON
ARCHITECT
1st Signature

MICHAEL K HAMPTON
#MO# A-2008027042

SCHWERDT DESIGN GROUP INC
MO CERTIFICATE OF AUTH. #F00353876

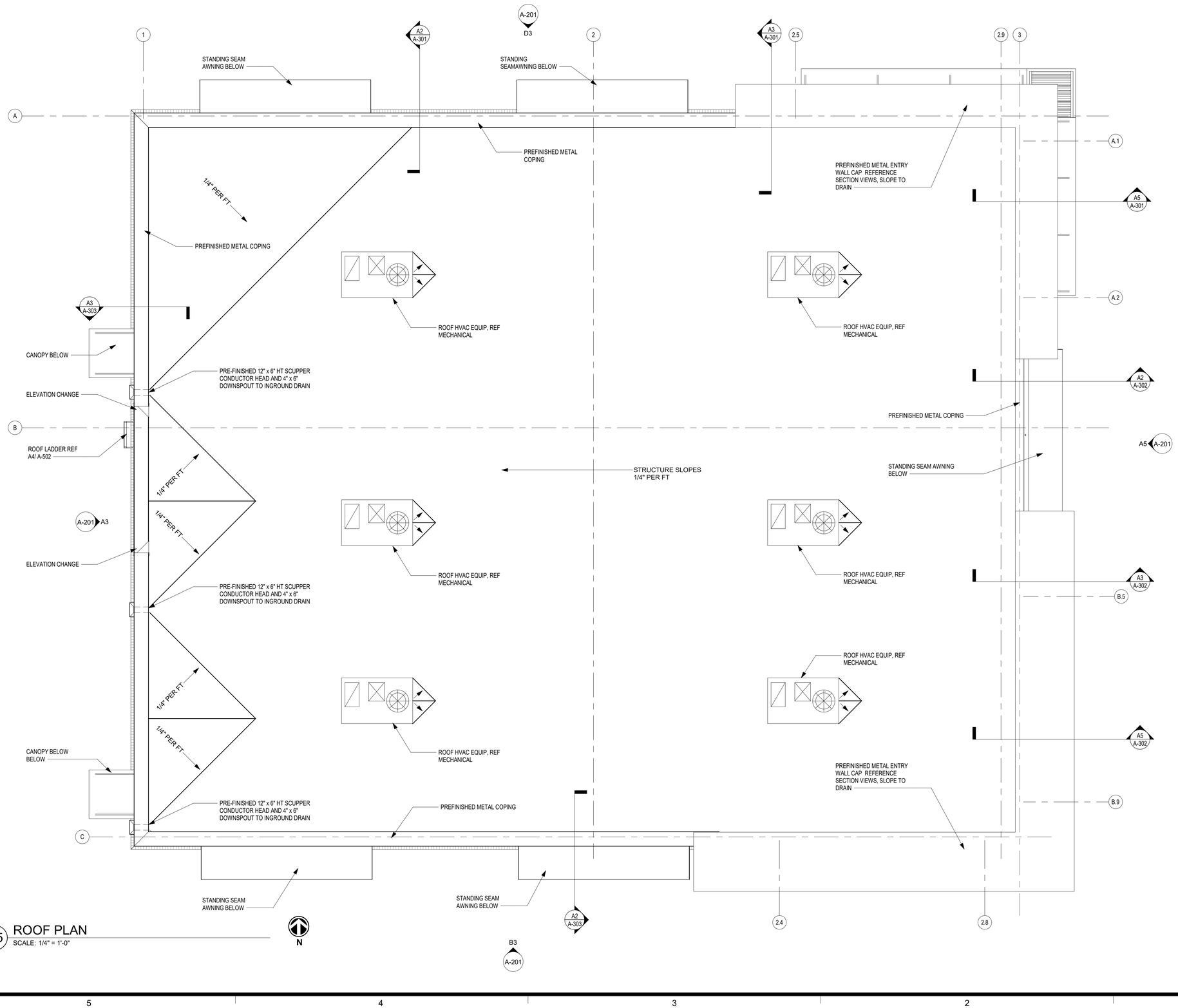
MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES		
4/4/2022		
4-28-22	2	ASI-2
6-15-22	3	ASI-3

SHEET TITLE
FIRST FLOOR PLAN

PROJECT NUMBER
210345

SHEET NUMBER
A-101



A5 ROOF PLAN
SCALE: 1/4" = 1'-0"

ROOF PLAN NOTES

1. TPO ROOF MENBRANE
2. R-30 INSULATION

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As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
Apr 14, 2022

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STATE OF MISSOURI
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APPLIED 2022
ARCHITECT

MICHAEL K HAMPTON
#MO# A-2008027042

SCHWERDT DESIGN GROUP INC
MO CERTIFICATE OF AUTH. #F00353876

MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4/4/2022

SHEET TITLE
ROOF PLAN

PROJECT NUMBER
210345

SHEET NUMBER
A-102

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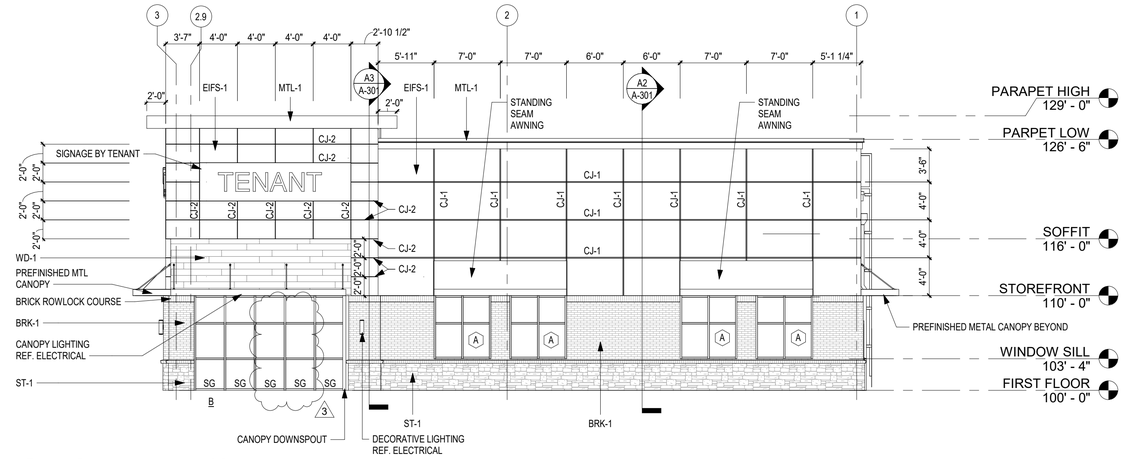
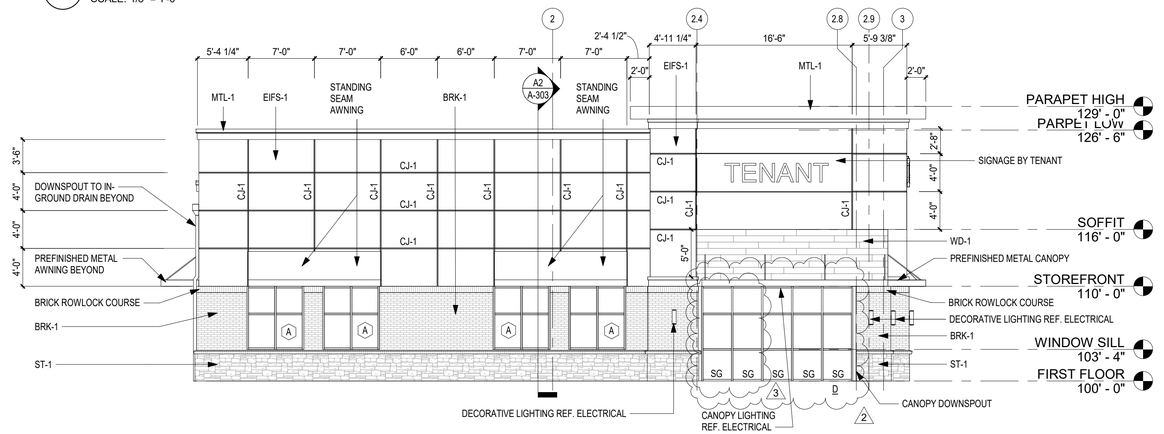


D3 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

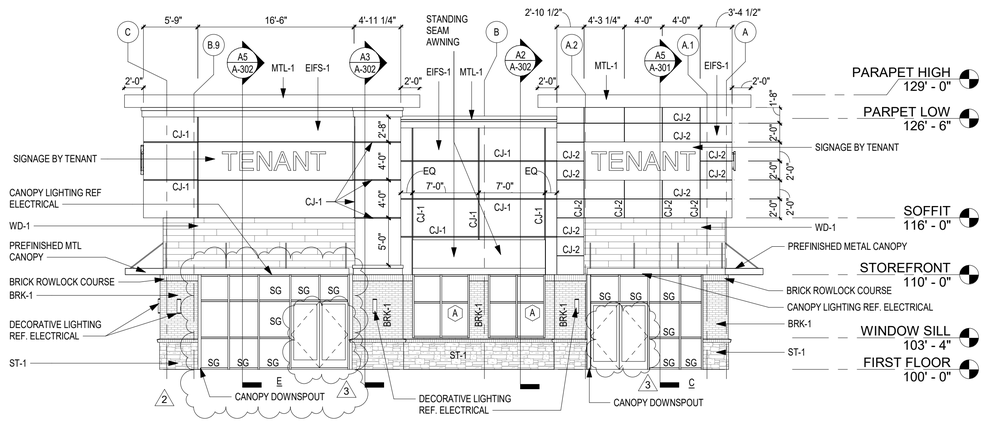


B3 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

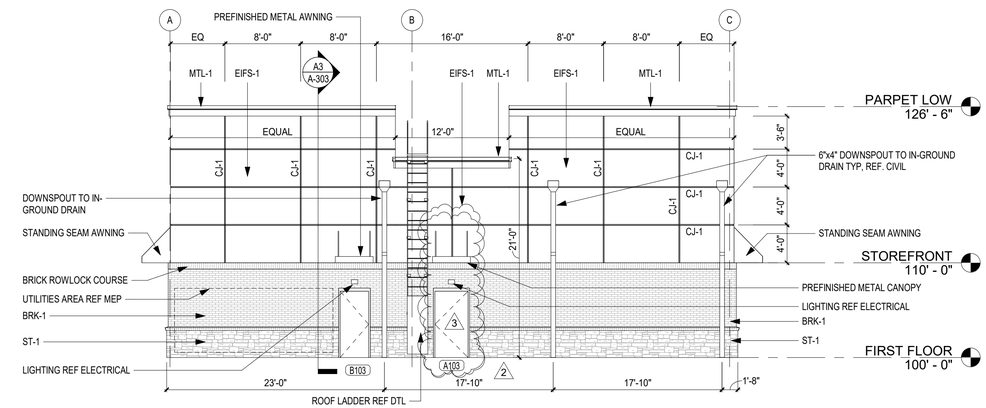
EIFS-1 EIFS-LIMESTONE FINISH
WD-1 ENGINEERED WOOD SIDING - FAST PLANK
BRK-1 BRICK
ST-1 STONE VENEER
PNT-1 PAINT
MTL-1 PRE-FINISHED METAL

LANDLORD TO HAVE FINAL DETERMINATION OVER MATERIAL COLOR & SELECTION

B2 MATERIAL LEGEND
SCALE: 1" = 1'-0"



A5 EAST ELEVATION
SCALE: 1/8" = 1'-0"



A3 WEST ELEVATION
SCALE: 1/8" = 1'-0"

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MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES		
4/4/2022		
4-28-22	2	ASI-2
6-15-22	3	ASI-3

SHEET TITLE
Exterior Elevations

PROJECT NUMBER
210345

SHEET NUMBER
A-201

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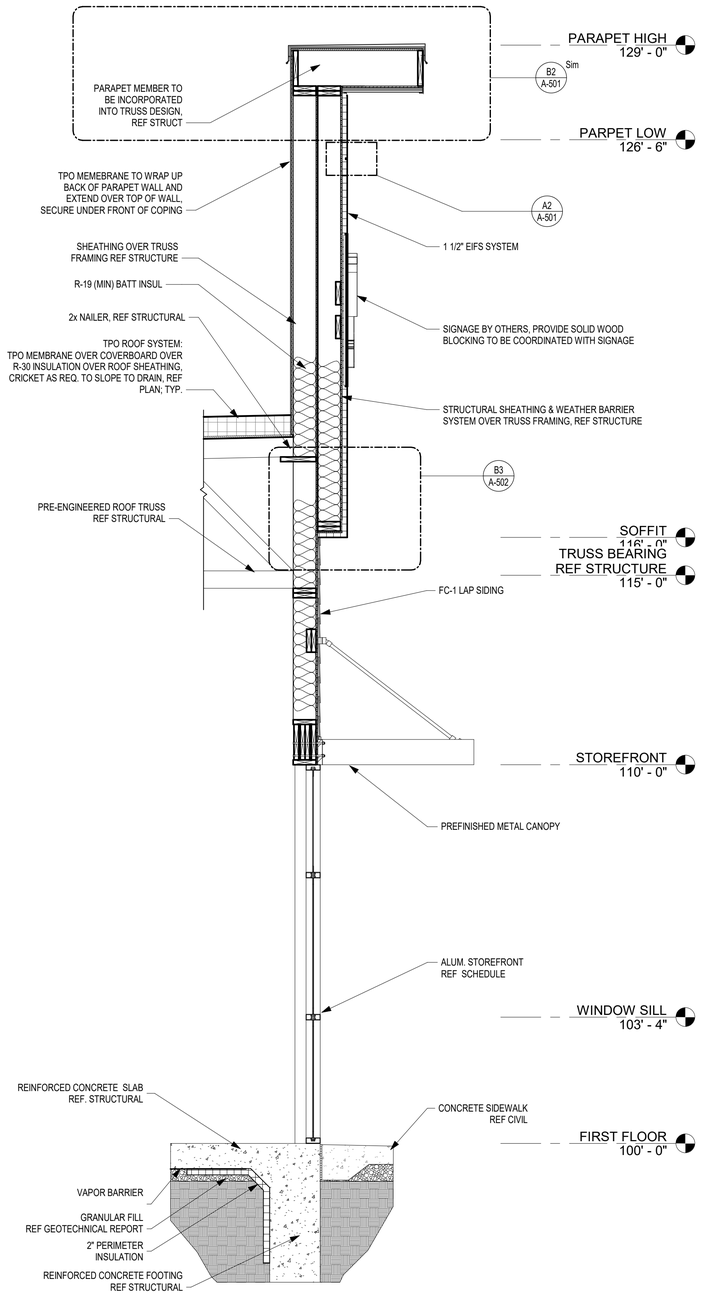
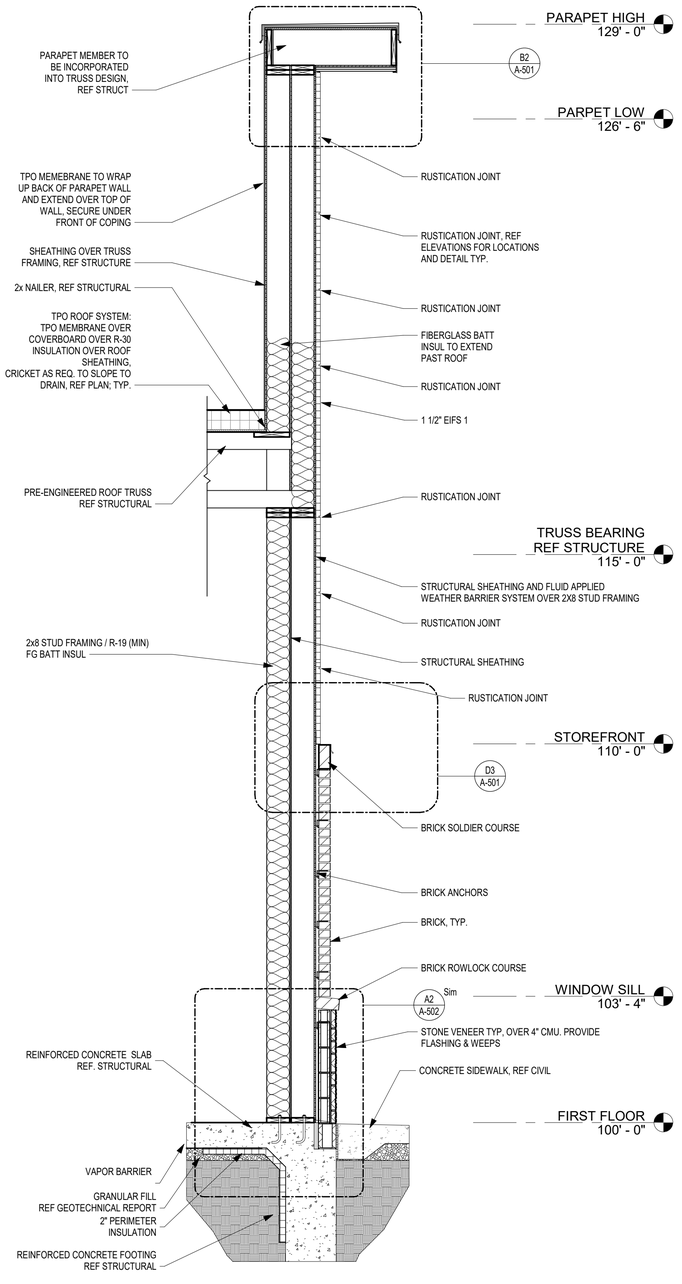


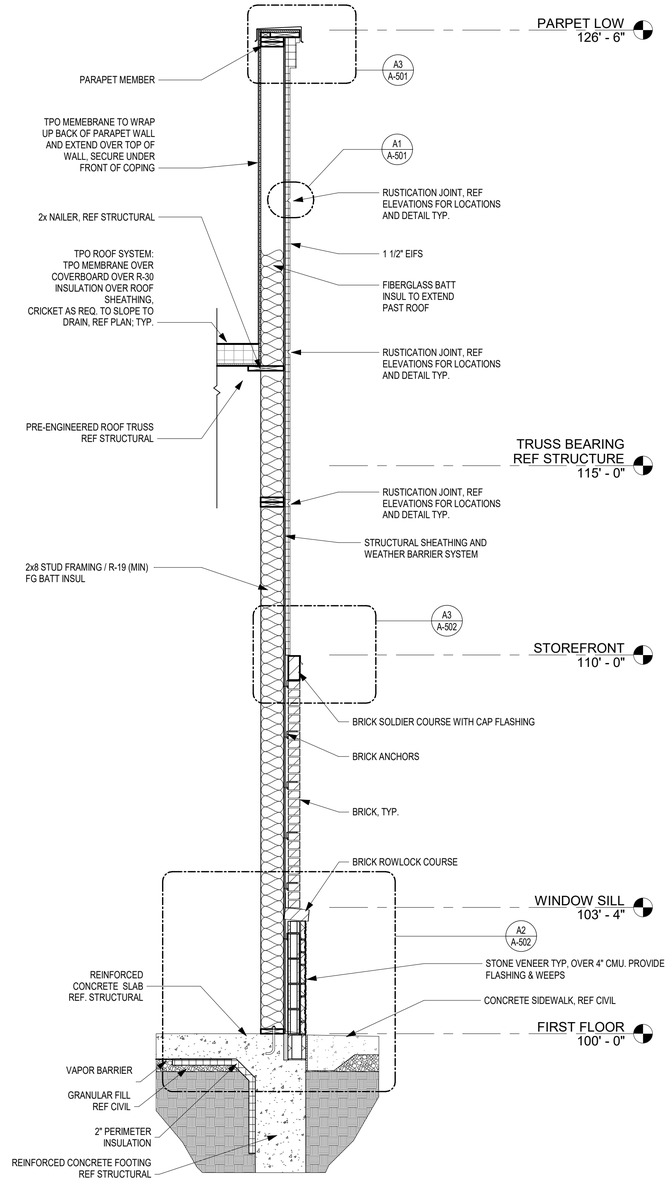
A5 SECTION @ EAST WALL STOREFRONT TENANT B

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



A3 SECTION @ NORTH WALL @ PILASTER

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



A2 SECTION @ NORTH WALL BETWEEN WINDOWS

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

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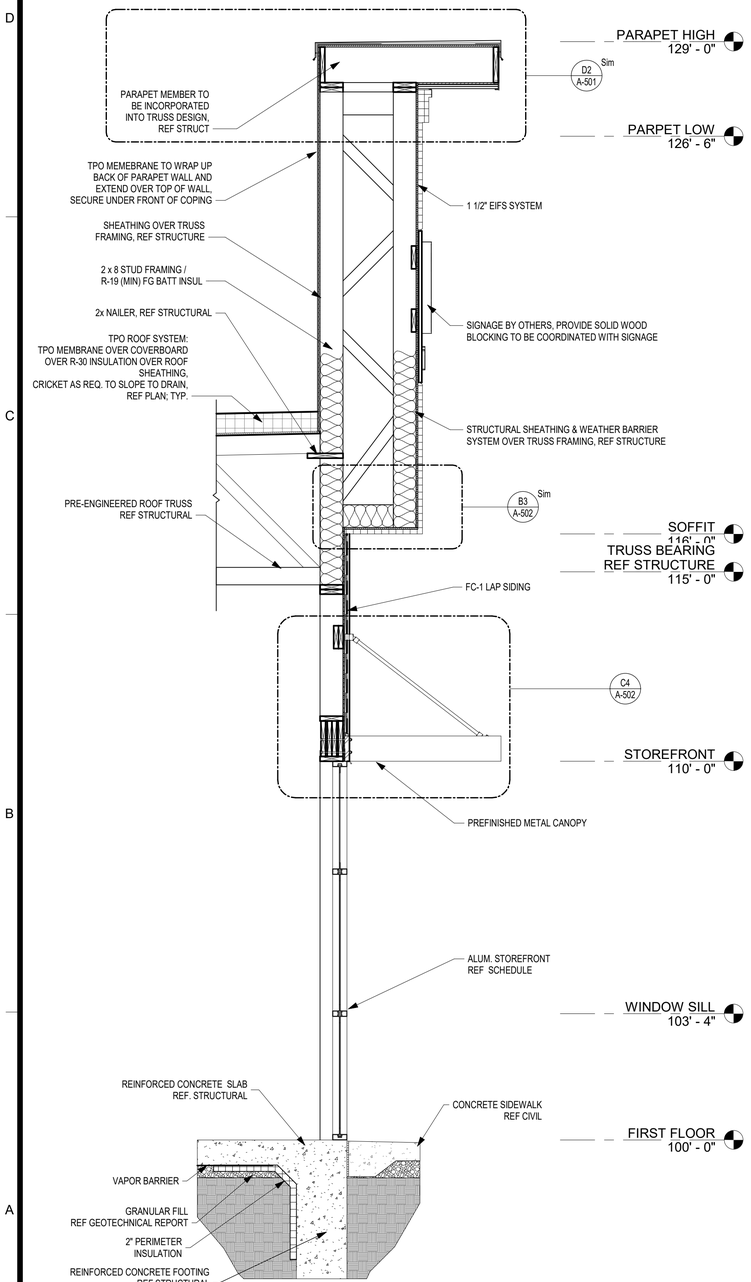
MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4/4/2022

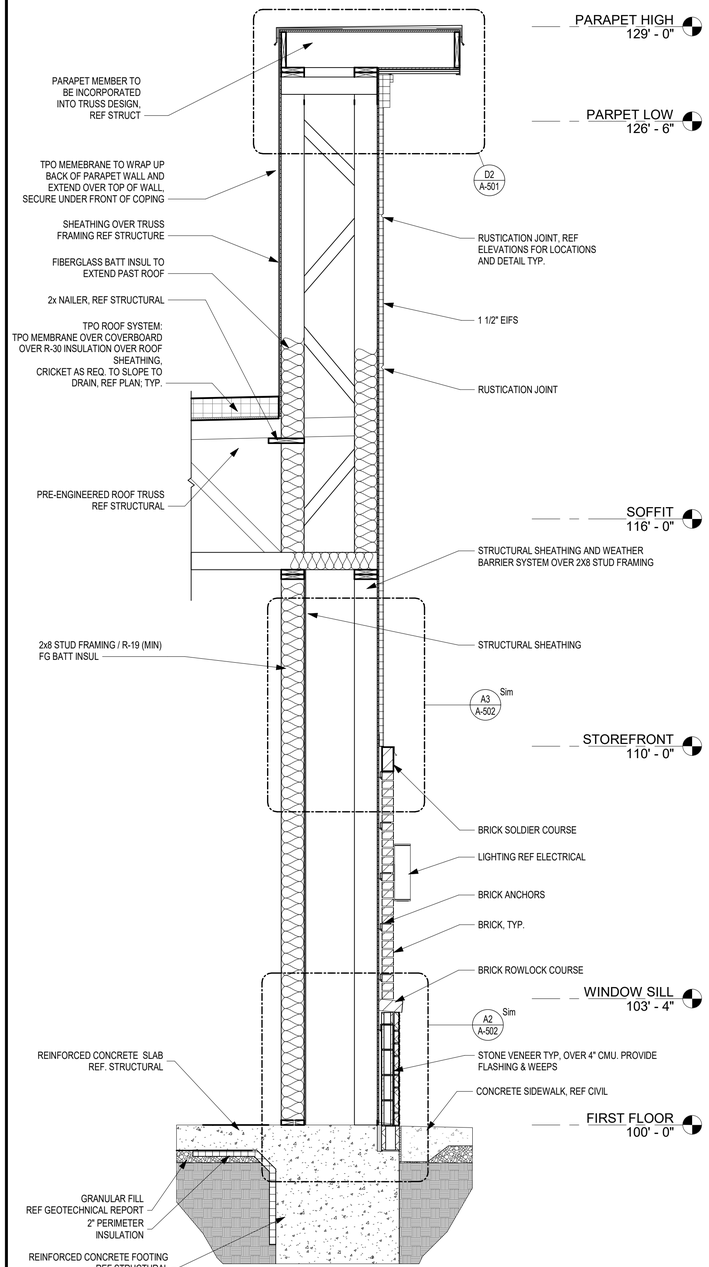
SHEET TITLE
WALL SECTIONS

PROJECT NUMBER
210345

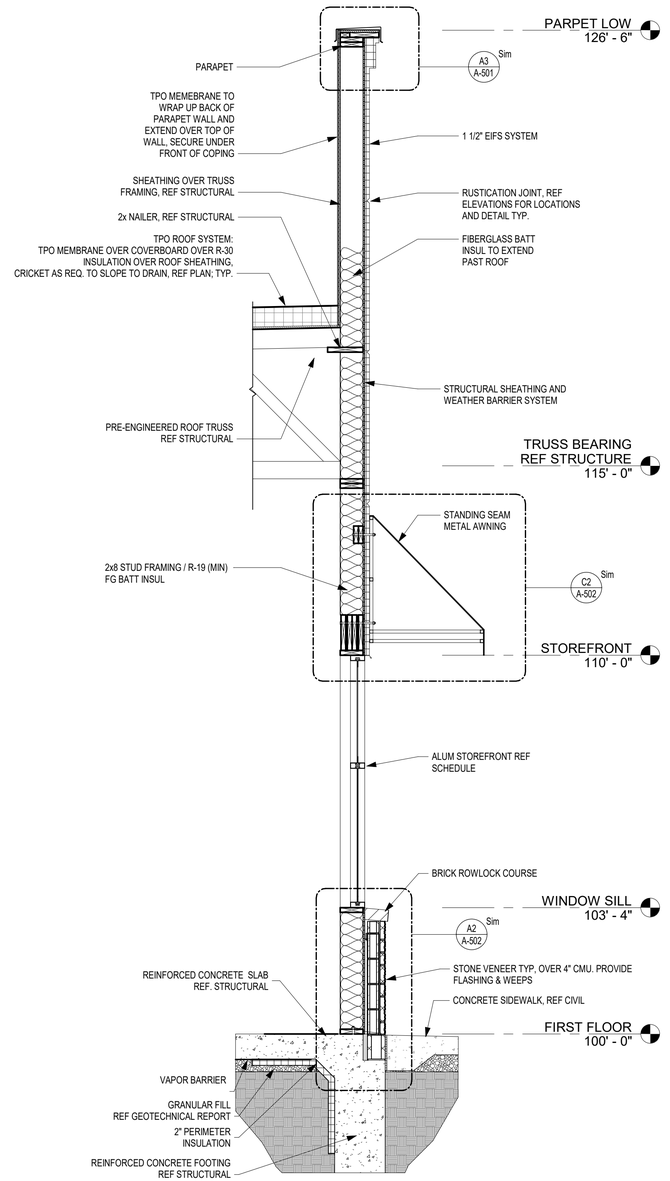
SHEET NUMBER
A-301



A5 SECTION @ EAST
STOREFRONT TENANT A
SCALE: 1/2" = 1'-0"



A3 SECTION @ EAST
PILASTER TENANT A
SCALE: 1/2" = 1'-0"



A2 SECTION @ EAST
WINDOWS
SCALE: 1/2" = 1'-0"

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MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4/4/2022

SHEET TITLE
WALL SECTIONS

PROJECT NUMBER
210345

SHEET NUMBER
A-302

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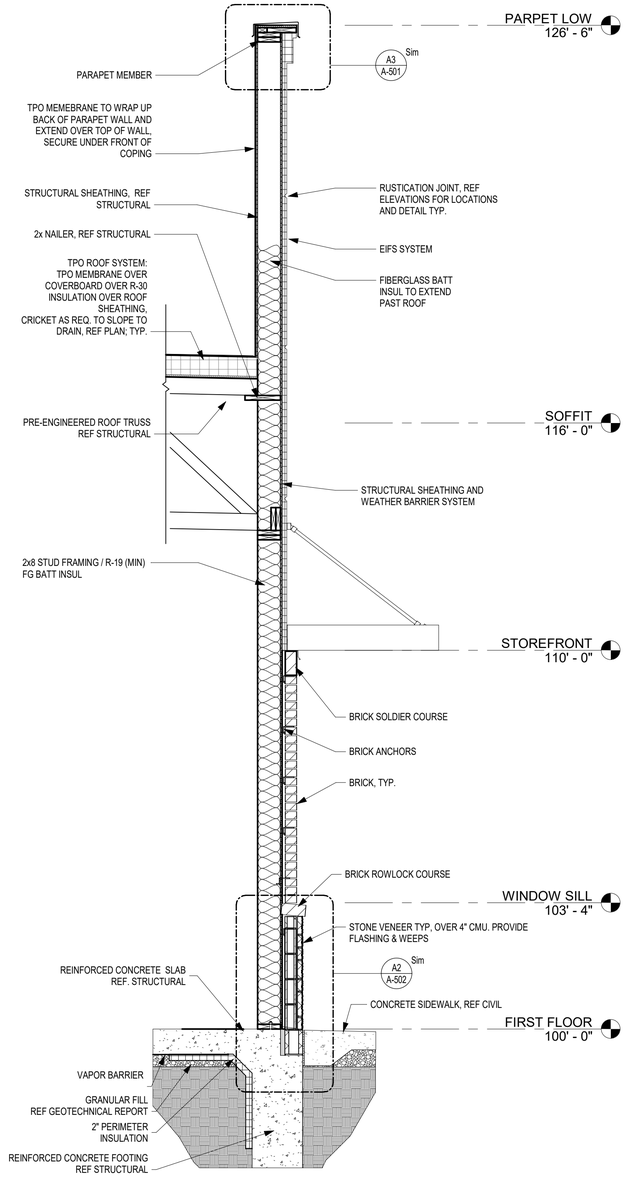
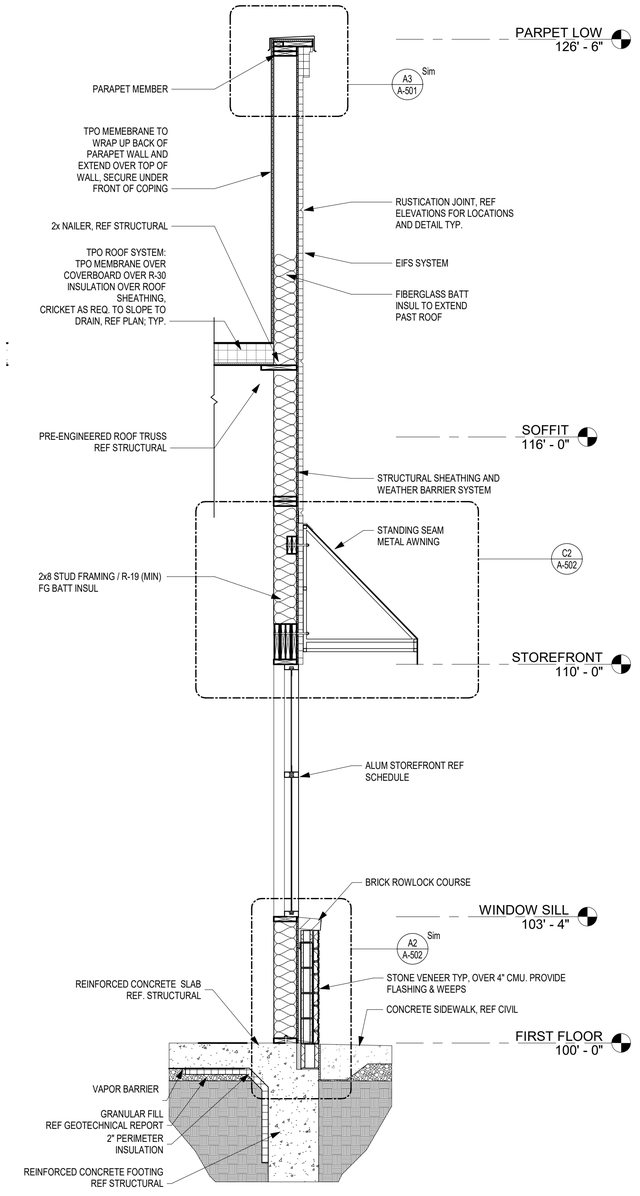


A3 SECTION @ WEST WALL
SCALE: 1/2" = 1'-0"



A2 SECTION @ SOUTH WALL IN WINDOW
SCALE: 1/2" = 1'-0"

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MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4/4/2022

SHEET TITLE
WALL SECTIONS

PROJECT NUMBER
210345

SHEET NUMBER
A-303

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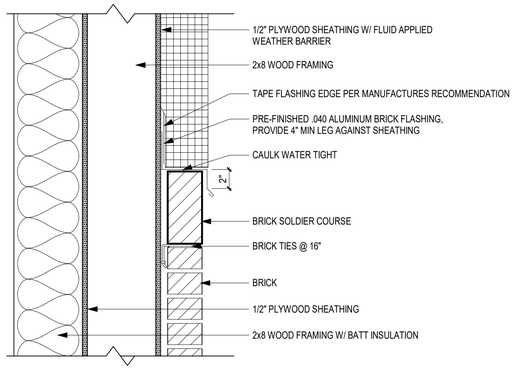
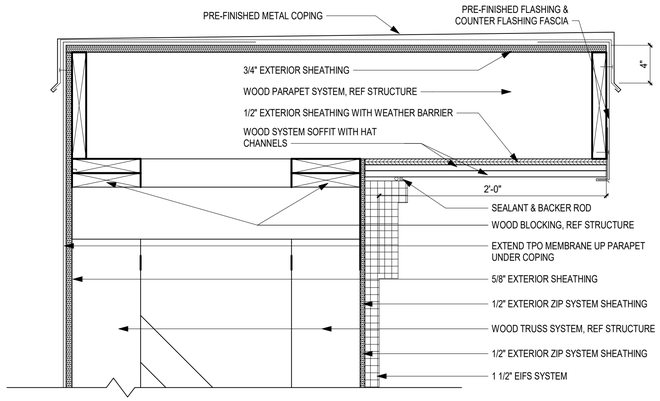
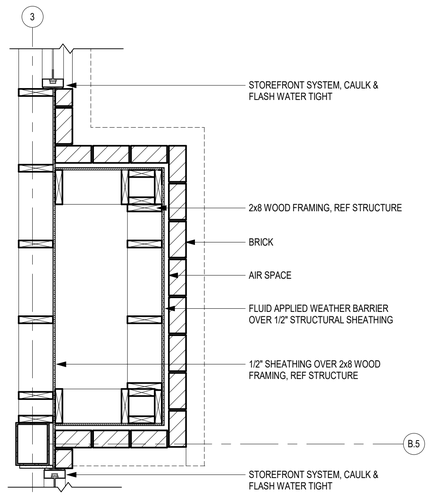


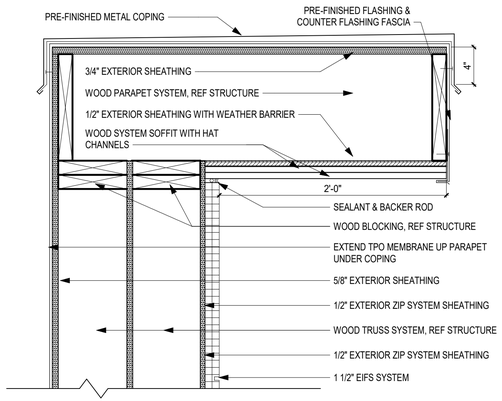
D3 EIFS / BRICK SECTION
SCALE: 1 1/2" = 1'-0"



PARAPET CAP AT EAST PILASTER
D2
SCALE: 1 1/2" = 1'-0"



B3 EAST PILASTER PLAN
SCALE: 3/4" = 1'-0"



B2 PARAPET CAP AT NORTH PILASTER
SCALE: 1 1/2" = 1'-0"

GENERAL FLASHING REQUIREMENTS

A. PROPERLY WEEP FLASHING POINTS AND NORMAL DRAINAGE POINTS WITH WEEPS @ 1'-4" O.C. MAX. SPACING. WEEP POINTS ARE TO BE LOCATED DIRECTLY ON TOP OF FLASHING.

B. WHERE FLASHING IS LOCATED TERMINATE AND/OR SEPARATES MATERIALS, DO NO SEAL (U.N.O.) - REFER TO DIAGRAM "C" WHERE IT IS DETERMINED BY THE MATERIAL MANUFACTURER OR OTHERWISE THAT SEALING IS REQUIRED (TO PREVENT WATER PENETRATION BEYOND FLASHING DUE TO WIND DRIVEN RAIN), THEN SEALANT MUST BE WEEPED IN ACCORDANCE WITH NOTE "A" ABOVE.

C. UNLESS NOTED OTHERWISE, TURN FLASHING UP A MIN. OF 4" BEHIND APPROPRIATE MATERIALS.

D. FLASHING CONDITIONS, WHETHER DETAILED OR NOT, ARE TO BE IN ACCORDANCE WITH S.M.A.C.N.A. SPECIFICATIONS. WHERE ATYPICAL CONDITIONS OCCUR THAT ARE NOT DETAILED, FLASHING IS TO BE INSTALLED AS CLOSELY AS POSSIBLE TO THE S.M.A.C.M.A. DETAIL THAT IS MOST CLOSELY APPROXIMATES THE ACTUAL CONDITION.

E. UNLESS NOTED OTHERWISE, AT FLASHING HIGH POINTS SEAL WATER TIGHT TO BACK-UP SUBSTRATE.

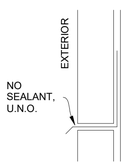
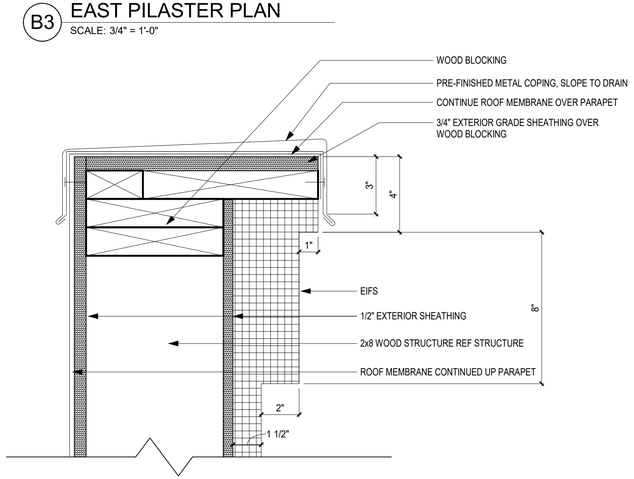
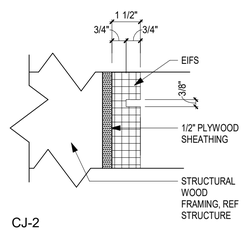


DIAGRAM 'C'
VINYL, WOOD, OR METAL

A5 GENERAL FLASHING REQUIREMENTS
SCALE: 12" = 1'-0"

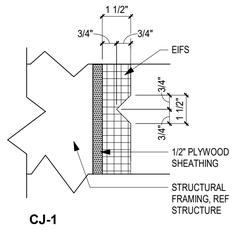


A3 PARAPET CAP
SCALE: 3" = 1'-0"



CJ-2

A2 EIFS REVEAL DETAIL 2
SCALE: 3" = 1'-0"



CJ-1

A1 EIFS REVEAL DETAIL 1
SCALE: 3" = 1'-0"

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STATE OF MISSOURI MICHAEL K. HAMPTON APRIL 14, 2022 ARCHITECT

MICHAEL K HAMPTON
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MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4/4/2022

SHEET TITLE
BUILDING DETAILS

PROJECT NUMBER
210345

SHEET NUMBER
A-501

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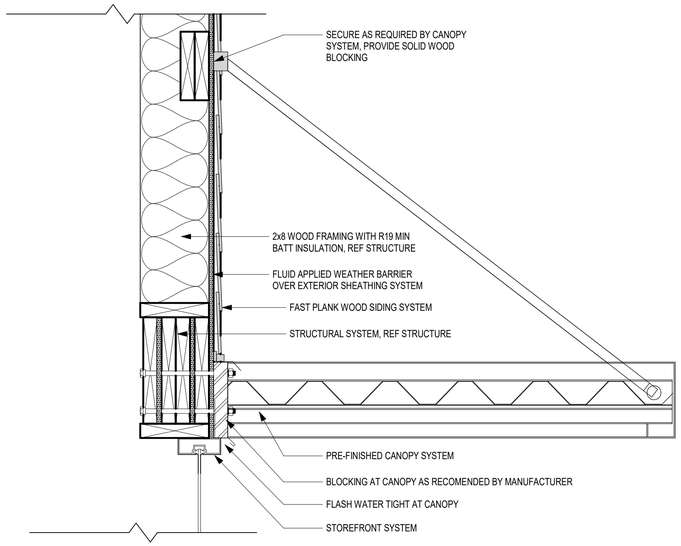
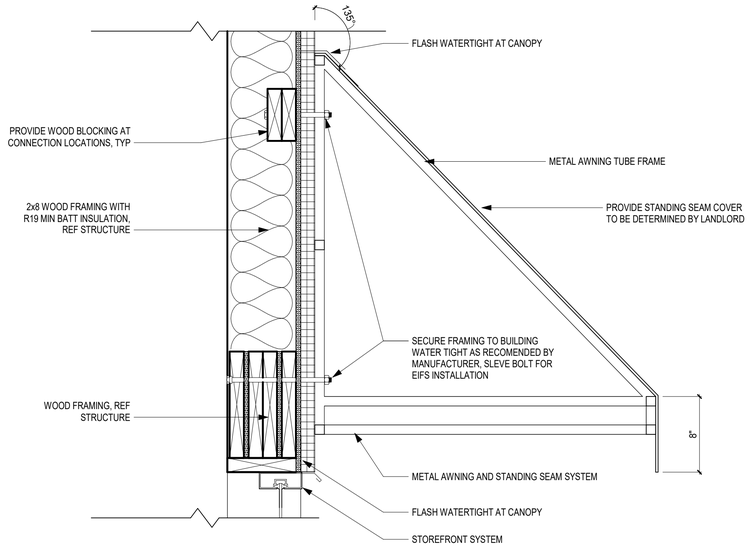
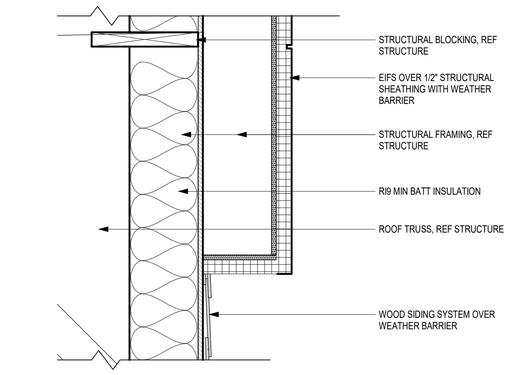


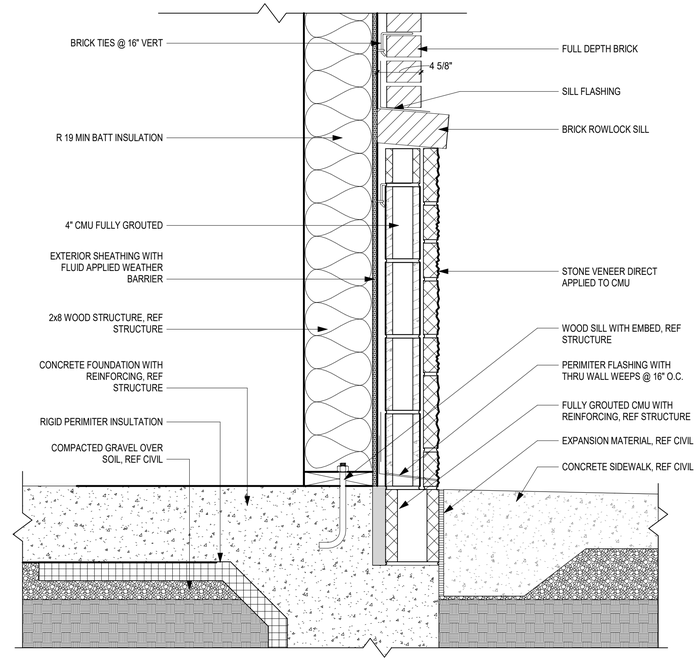
C4 CANOPY DETAIL
SCALE: 1 1/2" = 1'-0"



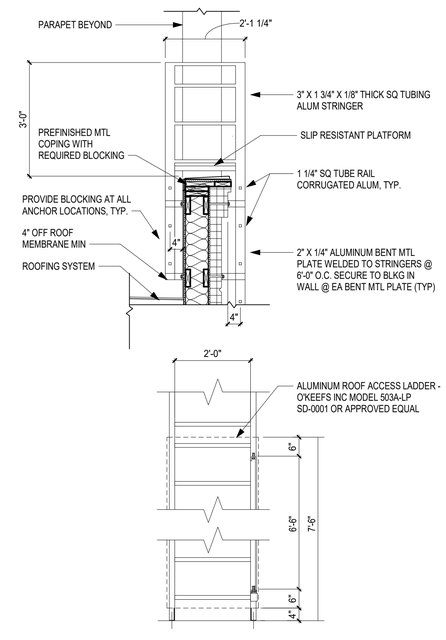
C2 AWNING DETAIL
SCALE: 1 1/2" = 1'-0"



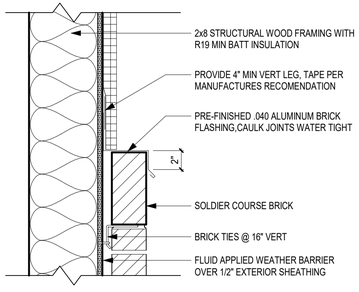
B3 DETAIL AT ENTRANCE TENANT B SOFFIT
SCALE: 1 1/2" = 1'-0"



A2 STONE WALL BASE DETAIL
SCALE: 1 1/2" = 1'-0"



A4 ROOF ACCESS LADDER
SCALE: 1/2" = 1'-0"



A3 BRICK / EIFS TRASITION DETAIL
SCALE: 1 1/2" = 1'-0"

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STATE OF MISSOURI
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APRIL 14, 2022
ARCHITECT

MICHAEL K HAMPTON
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SCHWERDT DESIGN GROUP INC
MO CERTIFICATE OF AUTH. #F00353876

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STREETS OF WEST PRYOR:CORE & SHELL
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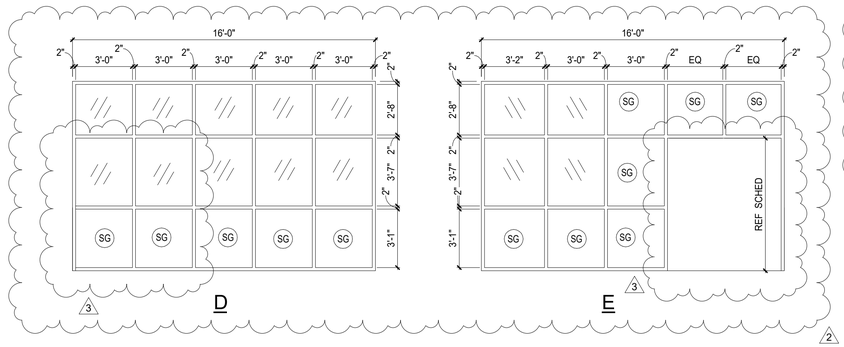
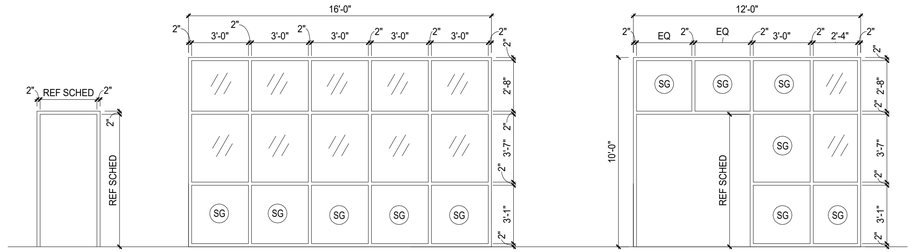


D E

3



A B C

2

D4 FRAME EL

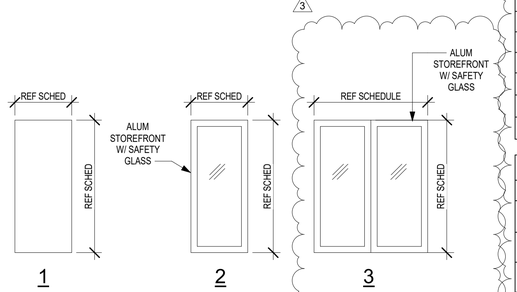
SCALE: 1/4" = 1'-0"

DOOR SCHEDULE

DOOR #	DOOR SIZE W	DOOR SIZE HT	DOOR MATL	DOOR FINISH	DOOR GLAZ	DOOR EL	FRAME MATL	FRAME FINISH	FRAME GLAZ	FRAME EL	DETAIL HEAD	DETAIL JAMB	HARDWARE	NOTES
A101	6' - 0"	7' - 0"	ALUM	F	T	3	ALUM	F	T	E	A2	A2	SET 01	
A103	3' - 6"	7' - 0"	HM	PT	---	1	HM	PT	---	A	B2	B3	SET 02	
B101	6' - 0"	7' - 0"	ALUM	F	T	3	ALUM	F	T	C	A2	A2	SET 01	
B103	3' - 0"	7' - 0"	HM	PT	---	1	HM	PT	---	A	B2	B3	SET 02	

SG = SAFETY GLASS
ALUM = ALUMINUM
HM = HOLLOW METAL
PT = PAINT
T = TRANSPARENT FINISH
F = FACTORY FINISH
SPG = SPANDREL GLASS

3



1 2 3

C2 DOOR ELEVATIONS

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

DOOR HARDWARE SCHEDULE - SET 01 STOREFRONT

QTY.	DESCRIPTION	MODEL	FINISH	MFG.
3 PR.	HINGES	BB1191 4 1/2" x 4 1/2" NRP	US10B	HAGER
1 EA.	EXIT DEVICE	1692	DC13	FALCON
1 EA.	EXIT DEVICE	1690	DC13	FALCON
2 EA.	66" LADDER PULL	66LPBS	US26/626	CRL
2 EA.	CLOSER	SC70-18	DC13	FALCON
2 EA.	OH STOP	100S	DC13	FALCON
1 EA.	THRESHOLD	350	DKB	NGP
2 EA.	DOOR SWEEP	200NA	DKB	NGP
1 EA.	PERIMETER SEAL	160S	DKB	NGP
1 EA.	ASTRAGAL	672	DKB	NGP

DOOR HARDWARE SCHEDULE - SET 02 SERVICE DOOR

QTY.	DESCRIPTION	MODEL	FINISH	MFG.
1 EA.	ROTON HINGE SURFACE MOUNT	70-210HD-84	ALUM	ROTON
1 EA.	EXIT DEVICE RIM SURFACE MOUNT	4501-48-26D	26D/626	HAGER
1 EA.	CLOSER 5100 HOLD OPEN STOP	5100-HDHOS-ALUM	ALUM	HAGER
1 EA.	ARMOR PLATE 20"x40" S.S.	190S-20X40-32D	32D	HAGER
1 EA.	WEATHER STRIPPING NEOPRENE	873S-N-4284-MILL	ML	HAGER
1 EA.	DOOR BOTTOM SWEEP NEOPRENE	750SN-42-CLR	CL	HAGER
1 EA.	NGP STEEL SECURITY ASTRAGAL 83"	1392SP-USP-83	PRIME COAT	NGP
1 EA.	HALF SADDLE THRESHOLD 5"x1/2"x42"	431S-42-MIL	MIL	HAGER
1 EA.	OVERHEAD RAIN DRIP GUARD	810S-46-MIL	AL	HAGER
1 EA.	WIDE ANGLE PEEP HOLE SET @ 45" AFF			

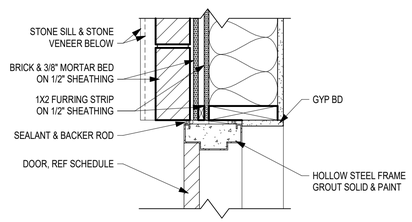
7 HARDWARE SCHEDULE

SCALE: 1" = 1'-0"

A

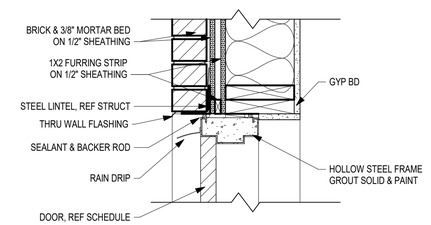
C3 WINDOW ELEVATIONS

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



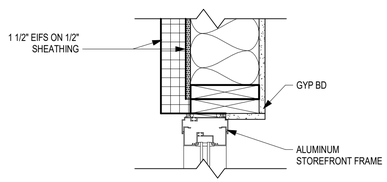
B3 HM JAMB DETAIL

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



B2 HM HEAD DETAIL

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



A2 Storefront HEAD/ JAMB DTL

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

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
Date: 6/15/2022

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architecture | interiors | planning
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MICHAEL K HAMPTON
#MO# A-2008027042

SCHWERDT DESIGN GROUP INC
MO CERTIFICATE OF AUTH. #F00353876

MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR:CORE & SHELL
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES		
4/4/2022		
4-28-22	2	ASI-2
6-15-22	3	ASI-3

SHEET TITLE
SCHEDULES

PROJECT NUMBER
210345

SHEET NUMBER
A-601

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DATE: 6/15/2022 3:56:28 PM
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STRUCTURAL GENERAL NOTES

GENERAL NOTES:

ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE OTHER PROJECT DRAWINGS AND SPECIFICATIONS. THE MATERIAL REQUIREMENTS IN THESE NOTES ARE TO BE CONSIDERED AS MINIMUM. SPECIFICATIONS SHALL GOVERN WHEN MORE STRINGENT.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE RESOLVED BEFORE PROCEEDING WITH CONSTRUCTION. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND MAKE NECESSARY INVESTIGATIONS AND FIELD MEASUREMENTS. INFORM ENGINEER OF ALL DISCREPANCIES.

THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATIONS OF PENETRATIONS AND EMBEDDED ITEMS THROUGH THE STRUCTURE FOR ALL TRADES. PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

SEE MECHANICAL, ELECTRICAL, ARCHITECTURAL DRAWINGS FOR ANCHORS, PIPE SLEEVES, CONDUITS OR OTHER ITEMS TO BE EMBEDDED IN OR PASS THROUGH CONCRETE. IN GENERAL, EMBEDMENTS AND PENETRATIONS LESS THAN 12 INCHES IN DIAMETER ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.

SEE ARCHITECTURAL DRAWINGS FOR DOOR HEIGHTS AND WALL OPENING DIMENSIONS.

STRUCTURAL ELEMENTS ARE NON-SELF SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS FOR STABILITY. FRAMING AND WALLS SHALL BE TEMPORARILY BRACED BY THE CONTRACTOR UNTIL PERMANENT BRACING, FLOOR AND ROOF DECKS AND WALLS HAVE BEEN INSTALLED AND CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE.

SUPPORT OF ALL NON-STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NON-STRUCTURAL ELEMENTS ARE THOSE THAT DO NOT CONTRIBUTE TO THE DIRECT LOAD PATH OF BOTH THE GRAVITY AND LATERAL FORCE RESISTING SYSTEMS. THESE ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO PARTITIONS, FINISHES, MILLWORK, MECHANICAL EQUIPMENT, DUCTWORK, PIPING, LIGHT FIXTURES,ELECTRICAL CONDUIT, STORAGE RACKS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THESE ELEMENTS ARE ADEQUATELY CONNECTED TO THE STRUCTURE TO RESIST ALL APPLIED LOADS. NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF UNUSUAL SUPPORT CONDITIONS EXIST.

WORK REQUIRING SPECIAL INSPECTIONS SHALL BE INSPECTED ACCORDING TO THE BUILDING CODE AND INCLUDES: CONCRETE, REINFORCING STEEL, STRUCTURAL WELDING, HIGH-STRENGTH BOLTING, AND MASONRY. RE: SPECIAL INSPECTION PROGRAM TABLE WHEN APPLICABLE.

DESIGN CRITERIA:

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE AS ADOPTED AND AMENDED BY THE CITY OF MANHATTAN, KANSAS.

LIVE LOADS:
ROOF: 20 PSF

SNOW LOADS:
GROUND SNOW LOAD, Pg: 20 PSF
FLAT-ROOF SNOW LOAD, Pf: 20 PSF
SNOW EXPOSURE FACTOR, Ce: 0.9
SNOW LOAD IMPORTANCE FACTOR, Is: 1.0
THERMAL FACTOR, Ct: 1.0

WIND LOAD:
BASIC WIND SPEED: 115 MPH
EXPOSURE CATEGORY: C
WIND IMPORTANCE FACTOR, Iw: 1.0
BASIC INTERNAL PRESSURE COEFFICIENT, GCpi: ±0.18
BASIC COMPONENTS AND CLADDING PRESSURE (ADJUSTED TO COMPLY WITH BUILDING CODE):
- ±20 PSF @ INTERIOR ZONES
- ±25 PSF @ END ZONES

SEISMIC LOAD:
SEISMIC IMPORTANCE FACTOR, Ie: 1.0
SPECTRAL RESPONSE ACCELERATIONS:
- Ss: 0.1563
- S1: 0.0570

SPECTRAL RESPONSE COEFFICIENTS:
- Sds: 0.167
- Sd1: 0.091

SITE CLASS: D
SEISMIC DESIGN CATEGORY: B
BASIC SEISMIC-FORCE-RESISTING SYSTEM: LIGHT-FRAMED WALLS WITH WOOD STRUCTURAL PANELS & STEEL ORDINARY MOMENT FRAMES
DESIGN BASE SHEAR: Cs x W
SEISMIC RESPONSE COEFFICIENTS, Cs: 0.0256 & 0.0476
RESPONSE MODIFICATION FACTOR, R: 6.5 & 3.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

FOUNDATION AND EARTHWORK NOTES:

REFER TO THE GEOTECHNICAL EXPLORATION AND SUBGRADE RECOMMENDATIONS: ASPEN DENTAL-MANHATTAN, KANSAS/ COOK, FLATT & STROBEL ENGINEERS PA - KANSAS CITY, KANSAS (CFS NO. 21-5724)/OCTOBER 5, 2021

THE FOUNDATION BEARING MATERIAL SHALL BE INSPECTED AND APPROVED BY A GEOTECHNICAL ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED.

AT STEPPED FOOTINGS, THE LOWER FOOTING SHALL BE PLACED FIRST.

FOUNDATIONS HAVE BEEN DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF. FOUNDATIONS SHALL BEAR DIRECTLY ON A 24-INCH THICK, GEOGRID REINFORCED AGGREGATE PAD (GRAP) DESIGNED AND CONSTRUCTED AS OUTLINED IN THE GEOTECHNICAL REPORT, SECTION 7.2.

WALL FOUNDATION SHALL BEAR AT MINIMUM OF 3'-0" BELOW ADJACENT FINISH GRADE, UNLESS OTHERWISE NOTED.

UNUSUAL CONDITIONS OR CHANGES TO THE FOUNDATIONS AS REQUIRED BY FIELD CONDITIONS SHALL BE REFERRED TO THE ENGINEER FOR APPROVAL.

REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREP REQUIREMENTS FOR SLAB-ON-GRADE CONSTRUCTION. PREPARED SUBGRADES EXCAVATED TO INSTALL UTILITIES BELOW FLOOR SLABS SHALL BE BACKFILLED AND COMPACTED AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.

REFER TO GEOTECHNICAL REPORT FOR COMPACTION REQUIREMENTS.

MAINTAIN ALL EXCAVATIONS FREE OF WATER.

CONCRETE NOTES:

CONCRETE SHALL HAVE THE FOLLOWING UNLESS OTHERWISE SPECIFIED (SELECT PROPORTIONS FOR CONCRETE IN ACCORDANCE WITH ACI 318):

	MAX WATER/ CEMENT RATIO	MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS
INTERIOR SLAB ON GRADE	0.45	3,000 PSI
FOOTINGS	0.45	4,500 PSI
FOUNDATION WALLS	0.45	4,500 PSI
GRADE BEAMS	0.45	4,500 PSI
DRILLED PIERS	0.50	4,000 PSI
CONCRETE ON STEEL DECK	0.45	3,000 PSI

REINFORCING STEEL SHALL BE BILLET STEEL CONFORMING TO ASTM A615, GRADE 60.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.

AGGREGATES SHALL CONFORM TO ASTM C33. COARSE AGGREGATE SHALL CONSIST OF 1" MAXIMUM AGGREGATE SIZE. COMBINED GRADATION SHALL HAVE A UNIFORM DISTRIBUTION AS FOLLOWS:
- 5-20% RETAINED ON 3/4", 1/2", 3/8", NO. 4, NO. 8, NO. 16, NO. 30 AND NO. 50 SIEVES; LESS THAN 5% PASSING NO. 50 SIEVE.

MATERIALS AND ADMIXTURES SHALL NOT CONTAIN CALCIUM CHLORIDE.

ALL EXTERIOR AND CONCRETE EXPOSED TO FREEZE/THAW CYCLES SHALL BE AIR-ENTRAINED 6%(±) BY VOLUME. THIS INCLUDES BUT IS NOT LIMITED TO FOOTINGS, FOUNDATION WALLS AND GRADE BEAMS.

SLEEVES, OPENINGS, OR OTHER ATTACHMENTS NOT SHOWN ON DRAWINGS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACING CONCRETE.

MINIMUM TENSION LAP SPLICE LENGTHS AND TENSION DEVELOPMENT LENGTHS SHALL BE AS SCHEDULED, UNLESS NOTED OTHERWISE ON THE DRAWINGS. WELDED WIRE FABRIC SHALL LAP ONE (1) FULL SQUARE PLUS TWO (2) INCHES.

MAINTAIN CONCRETE COVER AS SCHEDULED.

REINFORCING STEEL FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI MANUAL OF STANDARD PRACTICE.

ALL REINFORCING AND EMBEDDED ANCHOR BOLTS SHALL BE ACCURATELY PLACED AND TIED PRIOR TO POURING CONCRETE. "STABBING" OF DOWELS OR ANCHOR BOLTS IS NOT ALLOWED.

CONSTRUCTION JOINTS IN WALLS AND ELEVATED FORMED SLABS SHALL BE KEYED (1 1/2" DEEP BY 1/3 MEMBER AREA) AND REINFORCING SHALL CONTINUE THROUGH JOINT OR BE TENSION LAP SPLICED. CONSTRUCTION JOINTS SHALL BE LOCATED BY THE CONTRACTOR TO LEAST IMPAIR THE STRUCTURE. JOINT LOCATIONS SHALL BE APPROVED BY THE ENGINEER.

EMBEDDED CONDUIT SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN 1/3 THE OVERALL THICKNESS OF SLAB, WALL OR BEAM IN WHICH THEY ARE EMBEDDED. THEY SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS OR WIDTHS ON CENTER.

CONDUIT LOCATED WITH CONCRETE SECTIONS SHALL COMPLY WITH ACI 318 REQUIREMENTS.

INTERIOR FLOOR SLABS SHALL COMPLY WITH ACI 117, SHALL MEET THE REQUIREMENTS OF A TYPE 5, SINGLE COURSE, HARD STEEL-TROWELED FINISH AS DESCRIBED IN AC1 302, AND SHALL ACHIEVE AN OVERALL FF25/FL20 TOLERANCE.

ADHESIVE ANCHORS IN CONCRETE OR FULLY GROUTED MASONRY SHALL BE ITW RAMSET/REDHEAD EPCON CERAMIC 6 SYSTEM, HILTI HY200, OR SIMPSON AT-XP. ADHESIVE ANCHORS FOR HOLLOW BLOCK AND OTHER MASONRY SHALL BE HILTI HY270 OR SIMPSON SET-XP.

STRUCTURAL STEEL ENCASED WITHIN CONCRETE SHALL COMPLY WITH AISC TOLERANCES.

MASONRY NOTES:

CONSTRUCT MASONRY IN ACCORDANCE WITH THE IBC. MASONRY REQUIRES LEVEL 1 QUALITY ASSURANCE (RE: SPECS). ALL MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND USING THE LOW-LIFT METHOD OF GROUTING. REFER ARCHITECTURAL PLAN FOR ALL BLOCK COURSING.

MASONRY DESIGN IS BASED ON A MINIMUM COMPRESSIVE STRENGTH (F'm) OF ASSEMBLY OF 1,500 PSI.

MASONRY UNITS SHALL MEET THE REQUIREMENTS OF ASTM C-90, GRADE N, WITH A NET AREA COMPRESSIVE STRENGTH OF 1,900 PSI.

MORTAR SHALL BE PREPARED IN ACCORDANCE WITH ASTM C-270. PROVIDE TYPE M MORTAR AT ALL MASONRY BELOW GRADE AND TYPE S AT ALL OTHER MASONRY.

GROUT SHALL BE PREPARED IN ACCORDANCE WITH ASTM C-476, WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.

REINFORCING STEEL SHALL BE BILLET STEEL CONFORMING TO ASTM A615, GRADE 60.

LAP SPLICE BAR REINFORCEMENT FOR MASONRY PER LAP SCHEDULE AND JOINT REINFORCEMENT A MINIMUM OF 6 INCHES.

CONCRETE MASONRY UNITS BELOW GRADE SHALL BE SOLID GROUTED.

CELLS WITH REINFORCING SHALL BE SOLID GROUTED AND VIBRATED.

STRUCTURAL STEEL NOTES:

STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:
WIDE FLANGE SHAPES (W, WT): ASTM A992 (Fy=50 KSI)
OTHER ROLLED SHAPES (M, S, HP, C, L): ASTM A36 (Fy=36 KSI)
STEEL PIPE: ASTM A53, GRADE B (Fy=35 KSI)
SQUARE AND RECTANGULAR TUBE: ASTM A500, GRADE B (Fy=46 KSI)
ANCHOR BOLTS: ASTM F1554, GRADE 36
HEADED ANCHOR STUDS: ASTM A108, GRADES 1010 TO 1020
PLATES AND BARS: ASTM A36 (Fy=36 KSI)

SHEAR CONNECTORS AND HEADED WELDED STUDS OF TYPE AND SIZE NOTED SHALL BE TYPE B.

STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH GOOD STANDARD PRACTICE AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

PROPER FIT IN THE FIELD OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH GOOD STANDARD PRACTICE AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN AND PERFORMANCE OF ALL CONNECTIONS NOT FULLY DESIGNED OR DETAILED ON THE CONTRACT DOCUMENTS.

ANCHOR BOLTS SHALL BE ASTM F1554, A36 UNO. ANCHOR BOLTS SHALL BE SET WITH TEMPLATES WITH THE APPROPRIATE BOLT PROJECTION, 4" MINIMUM UNO. PROVIDE DOUBLE NUTS AND DOUBLE WASHERS FOR STEEL COLUMN ANCHOR BOLTS TO ALLOW FOR ADJUSTMENT IN BASE PLATE ELEVATION.

NON-SHRINK GROUT UNDER BASE PLATES SHALL BE NON-METALLIC WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.

HIGH STRENGTH BOLTED CONNECTIONS SHALL CONFORM TO THE AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING A325 BOLTS. UNLESS OTHERWISE NOTED, HIGH STRENGTH BOLTS MAY BE TIGHTENED BY ANY METHOD THEREIN. REGARDLESS OF THE METHOD USED IN TIGHTENING, A HARDENED WASHER SHALL BE USED UNDER THE TURNED ELEMENT. UNLESS OTHERWISE NOTED, BOLTED CONNECTIONS SHALL BE MADE WITH 3/4"Ø, ASTM A325 HIGH STRENGTH BOLTS.

CONNECTIONS REQUIRING FULL PRETENSIONING ARE SLIP-CRITICAL, AND INCLUDE BOLTED COLUMN SPLICES AND CONNECTIONS SUBJECT TO DIRECT TENSION.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STRUCTURAL WELDING CODE, AWS D1.1. UNLESS NOTED OTHERWISE, MINIMUM WELD SIZE SHALL BE PER AISC 360, BUT SHALL BE NO LESS THAN 3/16" FILLET.

FIELD WELDING SHALL NOT BE STARTED UNTIL JOINT ELEMENTS ARE BOLTED IN INTIMATE CONTACT AND/OR ADJUSTED TO DIMENSIONS INDICATED WITH ALLOWANCE FOR EXPECTED WELD SHRINKAGE. MAINTAIN PLUMBNESS AND TRUENESS OF THE STRUCTURE.

FIELD WELDS FOR STRUCTURAL STEEL SHALL BE MADE WITH LOW HYDROGEN ELECTRODES. WELD FILLER METAL SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI.

WOOD NOTES:

GENERAL STRUCTURAL WOOD FRAMING SHALL MEET THE MINIMUM STRESS REQUIREMENTS FOR DOUGLAS-FIR #2 AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY.

ROOF SHEATHING SHALL BE 5/8" (19/32" MIN) PLYWOOD WITH A SPAN RATING OF AT LEAST 32/16. PANELS SHALL BE NAILED WITH 10d NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. 1/8" GAP BETWEEN INDIVIDUAL SHEETS. PLYWOOD SHALL BE APA RATED C-D EXTERIOR AND SHALL BEAR THE STAMP OF AN APPROVED TESTING AGENCY.

ALL WOOD-TO-WOOD CONNECTIONS SHALL MEET THE MINIMUM NAILING REQUIREMENTS OF THE BUILDING CODE.

PROVIDE SIMPSON CONNECTION HARDWARE AS SHOWN ON THE DRAWINGS. SUBSTITUTIONS MUST BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO USE. INSTALL CONNECTION HARDWARE ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.

WALL SHEATHING SHALL BE 1/2" OSB ON THE EXTERIOR FACE OF ALL EXTERIOR WALLS. PANELS SHALL BE NAILED WITH 10d GALVANIZED NAILS AT 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. ALL PANEL EDGES SHALL BE BLOCKED.

INSTALL ALL ROOF PLYWOOD SHEATHING WITH THE LONG DIMENSION OF THE PANEL PERPENDICULAR TO THE SUPPORTS WITH A MINIMUM OF TWO SPANS FOR EACH PANEL. STAGGER ALL END JOINTS. PROVIDE 1/8" SPACE AT PANEL JOINTS FOR EXPANSION PER APA.

PREFABRICATED WOOD TRUSS NOTES:

SPECIAL INSPECTIONS OF THE FABRICATION PROCESS OF PRE-FABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH THE IBC.

TRUSSES SHALL BE CONFIGURED TO FOLLOW FINAL ROOF LINES, UNLESS NOTED OTHERWISE.

TRUSSES SHALL BE DESIGNED FOR ALL LOAD COMBINATIONS REQUIRED BY THE BUILDING CODE. IN NO CASE SHALL THE DEAD LOAD BE LESS THAN 15 PSF ON THE TOP CHORD AND 10 PSF ON THE BOTTOM CHORD.

TRUSS MANUFACTURER SHALL SUPPLY ALL TRUSS CONNECTIONS USING PREFABRICATED STEEL CONNECTORS AS REQUIRED.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY AND PERMANENT BRACING IN ADDITION TO ANY BRACING INDICATED ON THE PLANS.

ALL TEMPORARY AND PERMANENT BRACING FOR INDIVIDUAL TRUSS MEMBERS SHALL BE DESIGNED BY AND STAMPED BY A PROFESSIONAL ENGINEER PROVIDED BY CONTRACTOR AND/OR TRUSS MANUFACTURER. APPLIED ROOF SHEATHING AND OTHER ROOFING MATERIALS SHALL NOT BE ASSUMED TO PROVIDE SUFFICIENT BRACING FOR TRUSS CHORDS.

SHOP FABRICATED WOOD TRUSSES SHALL MEET DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES BY THE TRUSS PLATE INSTITUTE. PROVIDE PERMANENT AND TEMPORARY BRACING ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

COORDINATE ALL TRUSS DETAILS WITH ARCHITECTURAL PLANS.

SPLICE & DEVELOPMENT LENGTHS FOR REINFORCEMENT

(UNLESS NOTED OTHERWISE ON THE DRAWINGS)

fy = 60,000 psi
f'c = 3,000 psi

BAR SIZE	LENGTH OF LAPPED SPLICES FOR REINFORCEMENT (INCHES)		LENGTH OF END ANCHORAGE FOR DEVELOPMENT OF REINFORCEMENT (INCHES)			HOOK LENGTH	BAR SIZE
	TOP BARS*	OTHERS	TOP BARS*	OTHERS	HOOKED BARS		
3	28	22	22	17	9	6	3
4	38	29	29	22	11	8	4
5	47	36	36	28	14	10	5
6	56	43	43	33	17	12	6
7	81	63	63	48	20	14	7
8	93	72	72	55	22	16	8
9	105	81	81	62	25	20	9
10	118	91	91	70	28	22	10
11	131	101	101	78	31	24	11
14	--	--	121	93	38	31	14
18	--	--	161	124	50	41	18

*TOP BARS ARE HORIZONTAL BARS SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR. HORIZONTAL BARS IN WALLS ARE TO BE CONSIDERED AS TOP BARS. VERTICAL BARS MAY BE CONSIDERED AS OTHER BARS.

UNLESS EITHER OF THE FOLLOWING TWO CASES EXIST FOR STRAIGHT BARS, THE DEVELOPMENT OR SPLICE LENGTH FOR STRAIGHT BARS IN THE ABOVE TABLE MUST BE MULTIPLIED BY 1.5:

I. THE CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS GREATER THAN OR EQUAL TO ONE BAR DIAMETER, THE CLEAR COVER IS GREATER THAN OR EQUAL TO ONE BAR DIAMETER, AND STIRRUPS OR TIES PROVIDED THROUGHOUT THE DEVELOPMENT OR SPLICE LENGTH MEET OR EXCEED THE CODE MINIMUM.

II.THE CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED IS GREATER THAN OR EQUAL TO TWO BAR DIAMETERS AND THE CLEAR COVER IS GREATER THAN OR EQUAL TO ONE BAR DIAMETER.

THE DEVELOPMENT LENGTH FOR HOOKED BARS, SIZE 11 AND SMALLER, PLACED WITH SIDE COVER GREATER THAN OR EQUAL TO 2 1/2" AND COVER ON THE BAR EXTENSION BEYOND THE HOOD (90° HOOK ONLY) GREATER THAN OR EQUAL TO 2", MAY BE MULTIPLIED BY 0.7.

VALUES IN THE ABOVE TABLE ARE NOT TO BE USED FOR EPOXY COATED REINFORCING AND/OR REINFORCING PLACED IN CONCRETE CONTAINING LIGHTWEIGHT AGGREGATE.

CONCRETE COVER FOR REINFORCEMENT

(UNLESS NOTED OTHERWISE ON THE DRAWINGS)

LOCATION	MINIMUM COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 AND LARGER	2"
#5 AND SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND:	
SLABS, WALLS, AND JOISTS:	
#14 AND LARGER	1 1/2"
#11 AND SMALLER	3/4"
BEAMS AND COLUMNS	1 1/2"

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ARON M. SCOTT
LICENSED
20945
04/04/22
KANSAS
PROFESSIONAL ENGINEER

MULTI-TENANT BUILDING - PAD SITE
LOT #9B OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SUBMISSION DATES
04/04/2022

SHEET TITLE
GENERAL NOTES

PROJECT NUMBER
0210354

SHEET NUMBER
S-001

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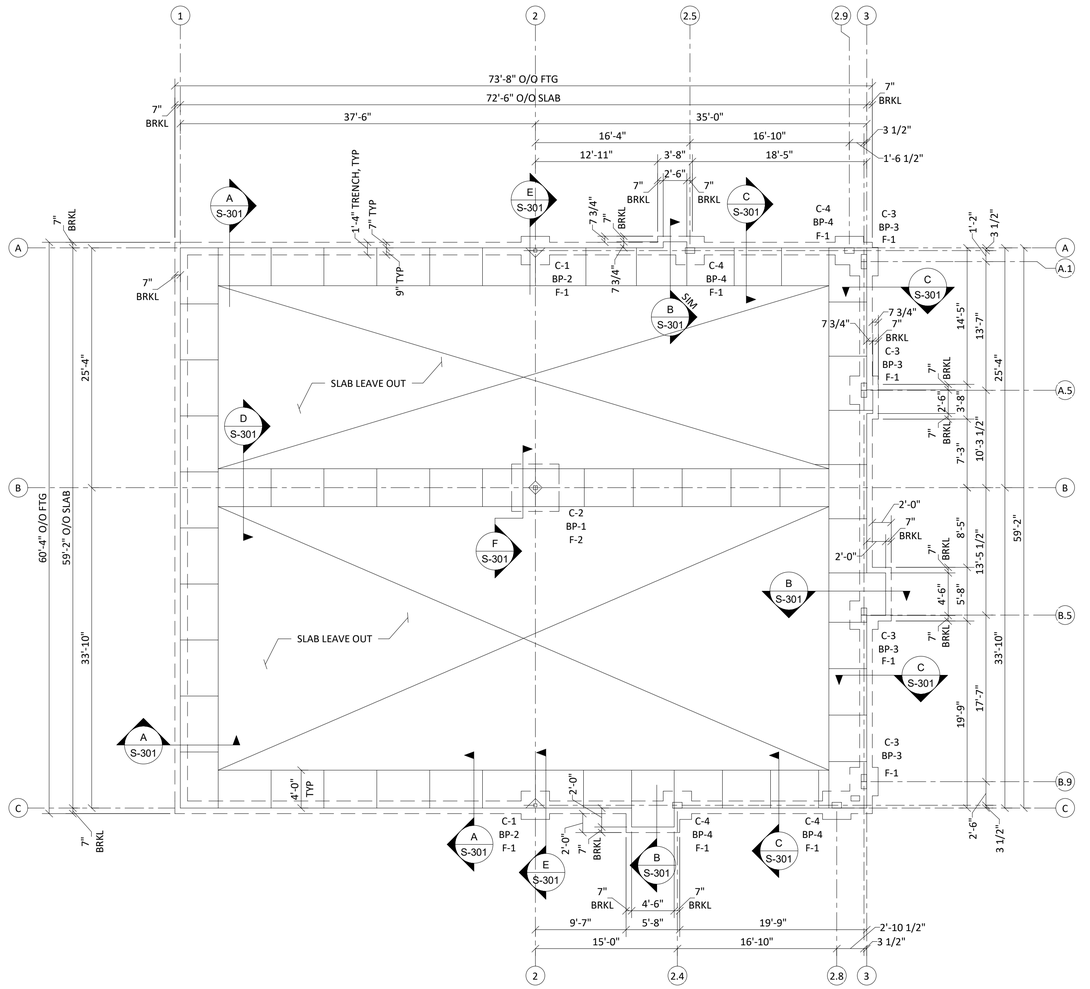

FOUNDATION PLAN

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

FLOOR CONSTRUCTION: 4" CONCRETE SLAB ON GRADE REINFORCE w/6X6 - W2.9XW2.9 WELDED WIRE FABRIC. LOCATE REINFORCING 1 1/2" BELOW TOP OF SLAB. PROVIDE 6" LAYER OF GRANULAR LEVELING COURSE (#57 STONE) BELOW SLAB. VAPOR BARRIER SHALL BE PLACED DIRECTLY OVER GRANULAR FILL AND UNDER SLAB. REFERENCE ARCHITECTURAL AND SPECIFICATIONS FOR FURTHER DETAILS.

THE BUILDING FLOOR SLAB SHALL BE WITHIN A FLATNESS TOLERANCE OF 1/4" PER 10'-0".

TOSL - TOP OF SLAB ELEVATION: 100-0 = SITE ELEVATION = 992.00

TOF - TOP OF FOOTING ELEVATION: 99-4, UNLESS NOTED THUS: TOF (ELEV)

SJ - SLAB JOINT
C-(#) - DENOTES COLUMN MARK, REFERENCE SCHEDULE
F-(#) - DENOTES FOOTING MARK, REFERENCE SCHEDULE
BP-(#) - DENOTES COLUMN BASE PLATE TYPE, REFERENCE DETAILS

COORDINATE ALL PENETRATIONS THROUGH THE SLAB AND ALL UNDER SLAB ITEMS WITH OTHER TRADES BEFORE CONSTRUCTION.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.

ISOLATED FOOTING

MARK	SIZE (LxWxD)	TOF	REINFORCING
F-1	3-0x3-0x3-0	99-4	(4) #5 EW
F-2	5-0x5-0x1-4	99-4	(6) #5 EW

COLUMN SCHEDULE

MARK	SIZE
C-1	HSS4x4x1/4
C-2	HSS5X5X1/4
C-3	DBL HSS9X7X3/8
C-4	(7) 2X8

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
06/21/2022

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MULTI-TENANT BUILDING - PARCEL #9B
LOT #9B OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SUBMISSION DATES
04/04/2022

SHEET TITLE
FOUNDATION PLAN

PROJECT NUMBER
0210354

SHEET NUMBER
S-101

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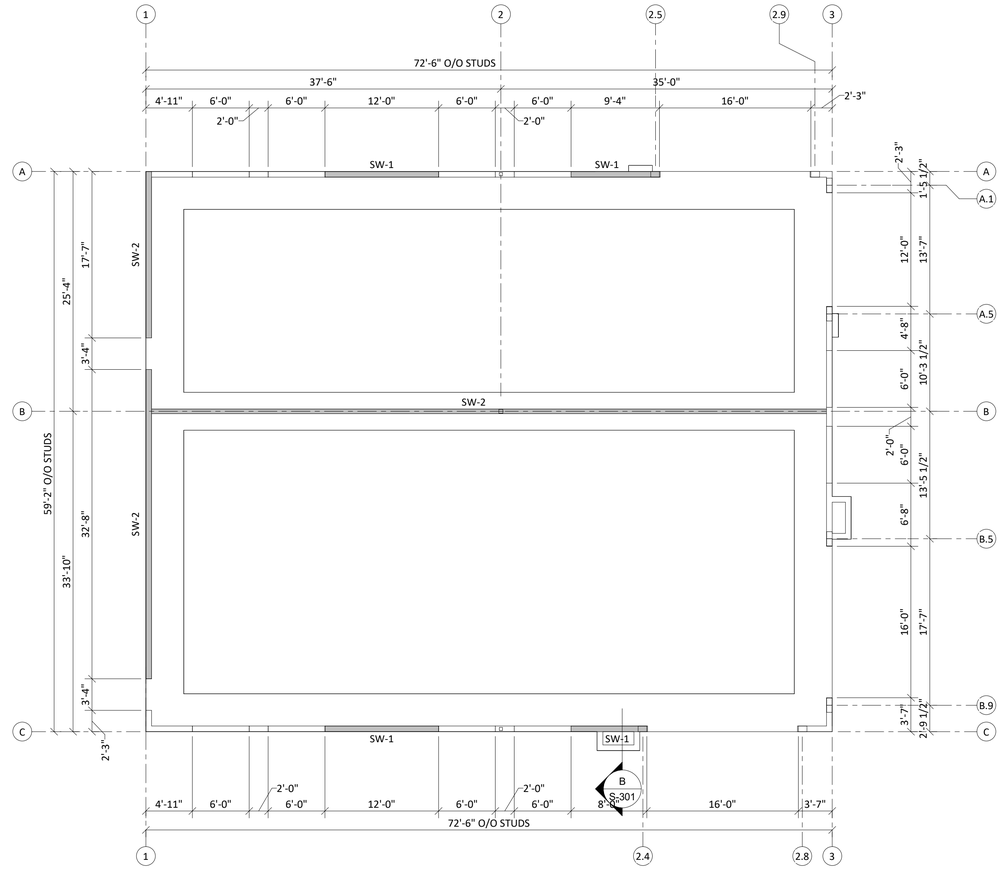

WALL FRAMING PLAN

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

WALL CONSTRUCTION: TYPICAL EXTERIOR WALL CONSTRUCTION SHALL BE 2X8 WOOD STUDS @ 16" MAXIMUM ON CENTER. MINIMUM (2) TRIMMER STUDS AND (2) KING STUDS SHALL BE PROVIDED AT ALL OPENINGS IN EXTERIOR, BEARING, AND SHEAR WALLS. REFERENCE HEADER SCHEDULE FOR CONDITIONS REQUIRING ADDITIONAL STUDS. DOUBLE TOP PLATE SHALL BE CONTINUOUS AND SHALL BE SPLICED PER TYPICAL DETAIL. SEE SHEAR WALL SCHEDULE FOR FURTHER INFORMATION ON CONSTRUCTION OF SHEAR WALLS.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.

NOTE: FACE OF STUD ALIGNS WITH THE CONCRETE SLAB EDGE FOR ALL EXTERIOR WALLS. ALL PLAN DIMENSIONS TO EXTERIOR WALLS ARE TO FACE OF STUD/FACE OF CONCRETE SLAB. ALL DIMENSIONS TO INTERIOR WALLS ARE TO FACE OF STUD/STRUCTURAL WALL.

WOOD SHEARWALL (SW) SCHEDULE

MARK	STUD SIZE & SPACING	SHEATHING MATERIAL	EDGE NAILING	FIELD NAILING	COMPRESSION CHORD (MIN)	HOLDOWN	SILL PLATE ANCHOR BOLT AT FDN
SW-1	2x8@16	1/2" OSB ZIP SYSTEM PANELS BLOCKED ONE SIDE OF WALL	8d COMMON @4" OC	8d COMMON @12" OC	(3) 2x8 WD STUDS	HDU8-SD2.5 7/8"Ø AB	5/8"Ø AB AT 1'-4" OR 3/4"Ø AB AT 2'-0" OC
SW-2	2x8@16	1/2" OSB ZIP SYSTEM PANELS BLOCKED ONE SIDE OF WALL	8d COMMON @6" OC	8d COMMON @12" OC	(2) 2x8 WD STUDS	HDU4-SD2.5 5/8"Ø AB	5/8"Ø AB AT 2'-0" OR 3/4"Ø AB AT 2'-8" OC

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LOT #9B OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SUBMISSION DATES
04/04/2022

SHEET TITLE
WALL FRAMING PLAN

PROJECT NUMBER
0210354

SHEET NUMBER
S-102

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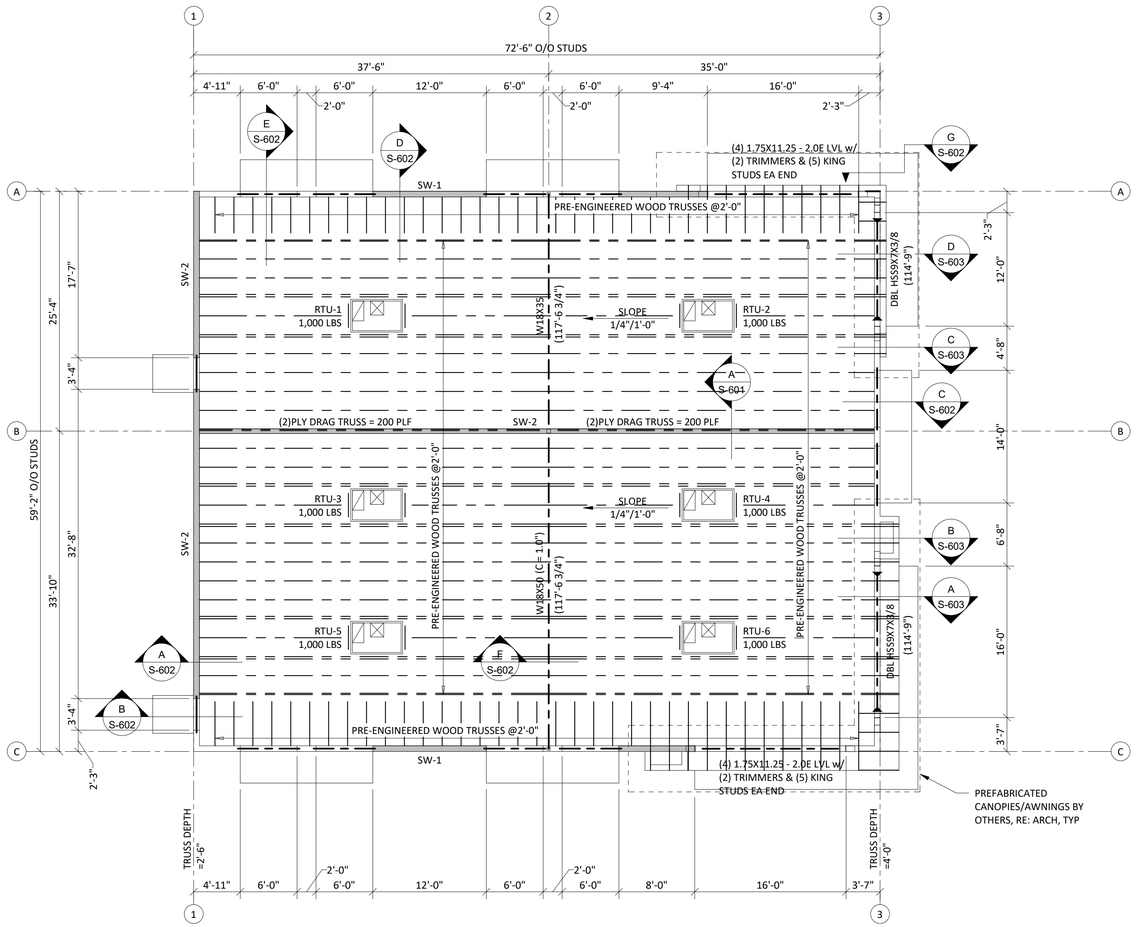
NOTE: FACE OF STUD ALIGNS WITH THE CONCRETE SLAB EDGE FOR ALL EXTERIOR WALLS. ALL PLAN DIMENSIONS TO EXTERIOR WALLS ARE TO FACE OF STUD/FACE OF CONCRETE SLAB. ALL DIMENSIONS TO INTERIOR WALLS ARE TO FACE OF STUD/STRUCTURAL WALL.



ROOF FRAMING PLAN

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

ROOF CONSTRUCTION: WOOD SHEATHING (19/32" MIN) OVER PREFAB WOOD ROOF TRUSSES @ 2'-0" OC MAX. SHEATHING SHALL BE CONTINUOUS UNDER AREAS OF OVERBUILD. REFERENCE GENERAL NOTES FOR SHEATHING SPECIFICATIONS AND ATTACHMENT.

DESIGN ALL TRUSSES FOR 15 PSF NET UPLIFT.

PROVIDE BRIDGING AS PRESCRIBED BY THE TRUSS MANUFACTURER REQUIREMENTS.

TOS - TOP OF STEEL ELEVATION: NOTED THUS (ELEV)

TOP OF PARAPET = 125-0 (MAX)

TRUSS BEARING ELEVATION = 115-0

TYPICAL HEADERS IN OPENINGS LESS THAN 4'-0" SHALL BE (4) 2X8 OR DEEPER, ALL HEADERS IN OPENINGS UP TO 6'-6" SHALL BE (4) 2X10 OR DEEPER, ALL HEADERS IN OPENINGS UP TO 8'-4" SHALL BE (4) 2x12. CONSTRUCT HEADERS PER "TYPICAL HEADER CONSTRUCTION" DETAIL." ALL HEADERS SHALL HAVE (1) TRIMMER MINIMUM AND (2) DEDICATED STUDS MINIMUM. PROVIDE (2) TRIMMERS AT OPENINGS LARGER THAN 7'-4".

LINTELS: LOOSE BRICK LINTELS FOR DOOR AND WINDOW OPENINGS UP TO 8'-4" SHALL BE L5X5X3/8 GALVANIZED (ASTM A36)

DESIGN ROOF TRUSSES TO SUPPORT RTU LOADS AT LOCATIONS SHOWN. NOTIFY ENGINEER IF WEIGHTS, SIZES, OR LOCATIONS VARY FROM THAT SHOWN.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.

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LOT #9B OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SUBMISSION DATES
04/04/2022

SHEET TITLE
ROOF FRAMING PLAN

PROJECT NUMBER
0210354

SHEET NUMBER
S-103

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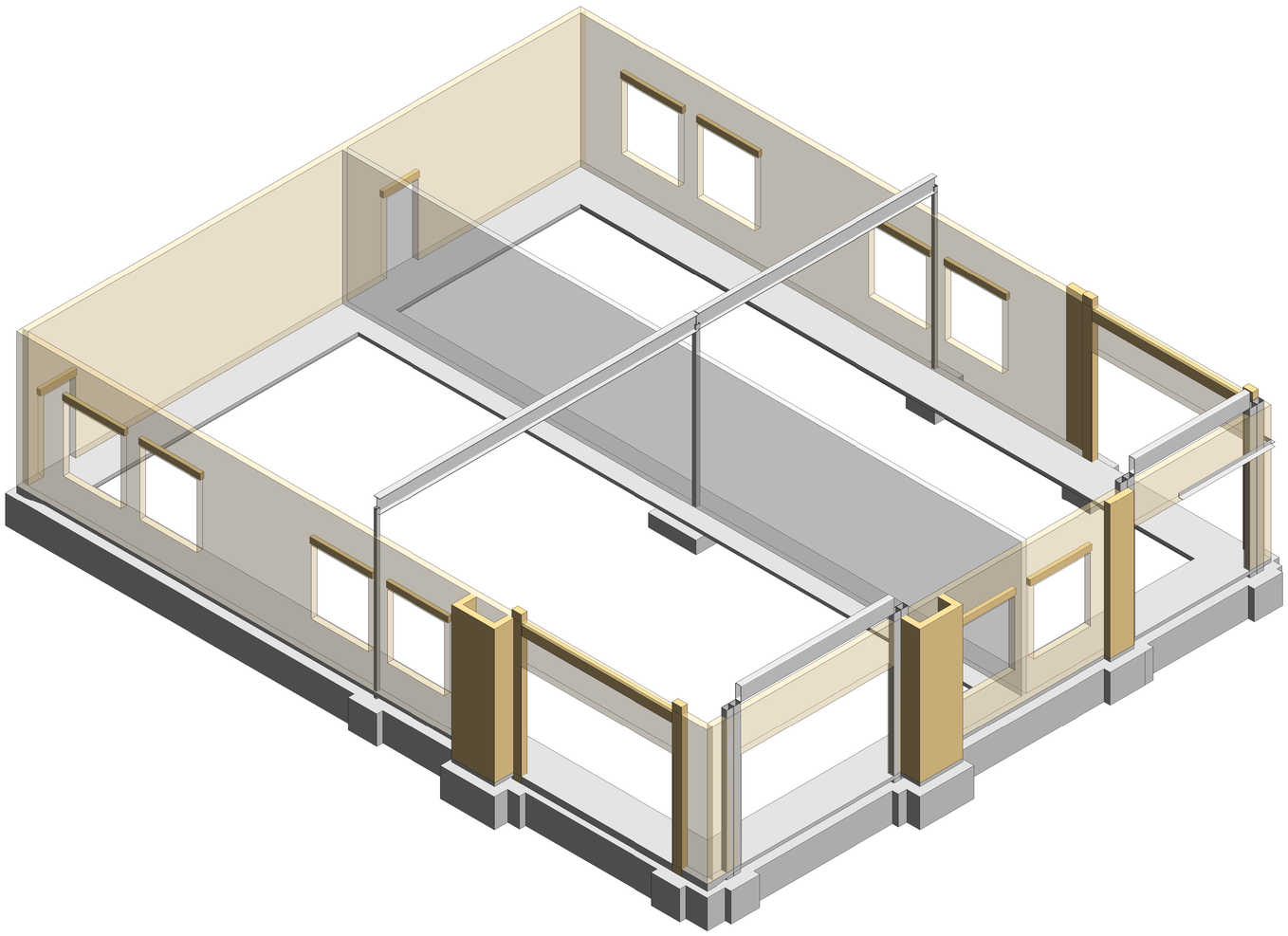
ISOMETRIC VIEWS ARE INTENDED TO SHOW GENERAL FRAMING CONFIGURATIONS AND ARE FOR REFERENCE ONLY. IN NO WAY SHALL THESE VIEWS BE USED TO CONVEY THE FULL EXTENT OF FRAMING MATERIALS REQUIRED. QUANTITY OF MATERIALS SHALL BE BASED UPON STRUCTURAL PLANS, DETAILS, ARCHITECTURAL DRAWINGS, AND THE FULL EXTENT OF CONSTRUCTION DOCUMENTS.



1 STRUCTURAL STEEL ISOMETRIC VIEW FROM SE CORNER
SCALE: NONE

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LOT #9B OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

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SHEET TITLE
FRAMING ISOMETRIC

PROJECT NUMBER
0210354

SHEET NUMBER
S-201

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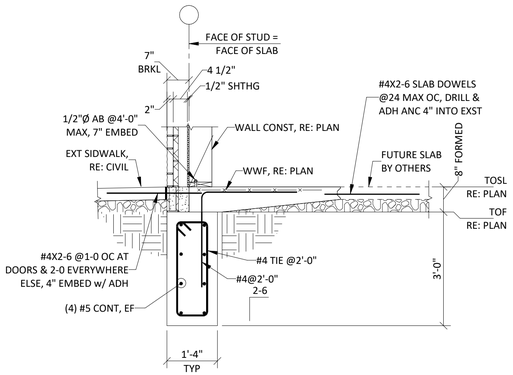

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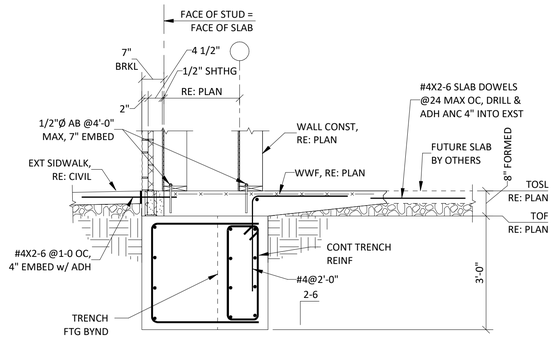

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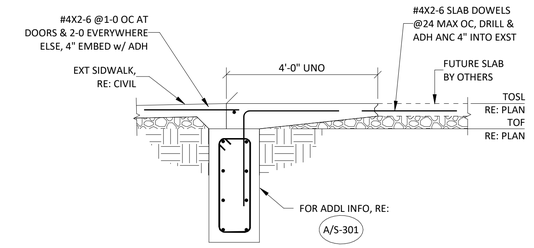
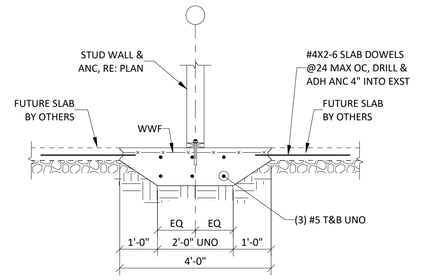
SCALE: NONE



C SECTION
SCALE: NONE



D SECTION
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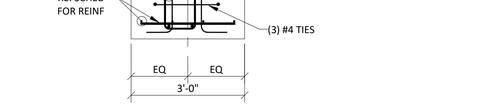

E SECTION
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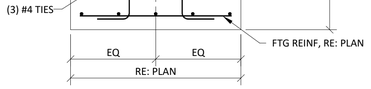
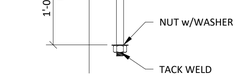


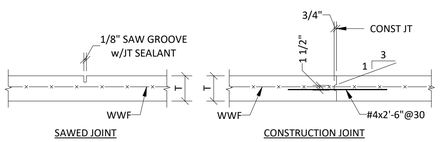
F SECTION
SCALE: NONE

G SECTION
SCALE: NONE



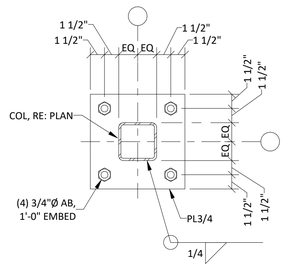
1 TYPICAL ANCHOR BOLT DETAIL
SCALE: NONE

TYPICAL COLUMN ISOLATION IN SLAB ON GRADE DETAIL
2 SCALE: NONE

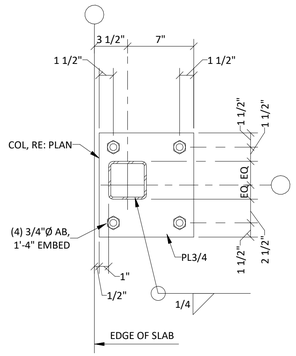


NOTE: ALL SLABS ON GRADE SHALL BE CONSTRUCTED WITH CONTROL JOINTS IN SQUARE OR RECTANGULAR PATTERNS WITH A LENGTH TO WIDTH RATION OF 1 1/2 OR LESS. CONTROL JOINTS SHALL BE SPACED NO FURTHER APART THAN 10'-0". AT THE CONTRACTORS OPTION, CONSTRUCTION JOINT MAY BE USED IN LIEU OF ANY CONTROL JOINT.

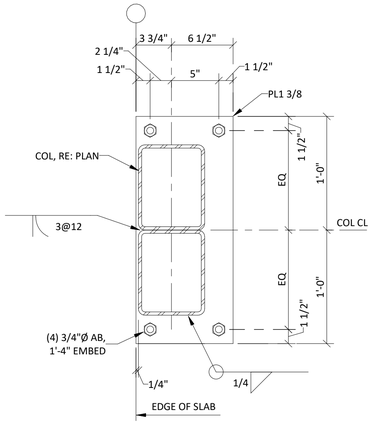
3 TYPICAL CONCRETE SLAB JOINT DETAIL
SCALE: NONE



BP-1

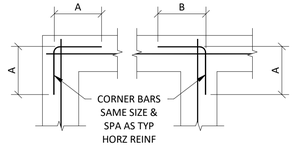


BP-2



BP-3

4 BASEPLATE DETAILS
SCALE: NONE



A = LAP LENGTH
B = END ANCHORAGE LENGTH

5 TYPICAL CORNER REINFORCEMENT DETAIL (ONE CURTAIN)
SCALE: NONE

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MULTI-TENANT BUILDING - PARCEL #9B
LOT #9B OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SUBMISSION DATES
04/04/2022

SHEET TITLE
CONCRETE DETAILS & SECTIONS I

PROJECT NUMBER
0210354

SHEET NUMBER
S-301

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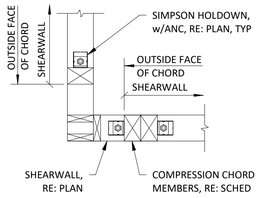
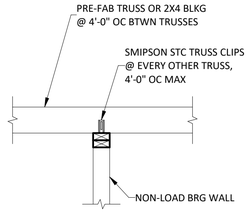
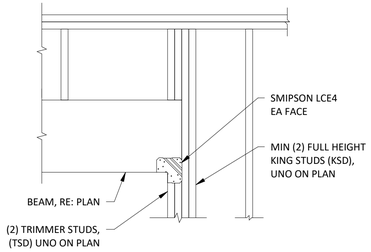


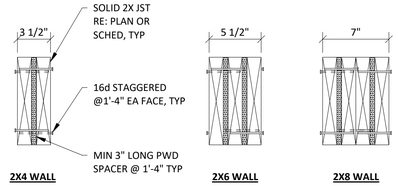
TYPICAL HOLDOWN ASSEMBLY CORNER (ALTERNATE)
1 SCALE: NONE



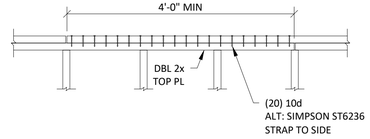
NON-LOAD BEARING WALL LATERAL SUPPORT DETAIL
2 SCALE: NONE



TYPICAL HEADER CONSTRUCTION DETAIL
3 SCALE: NONE

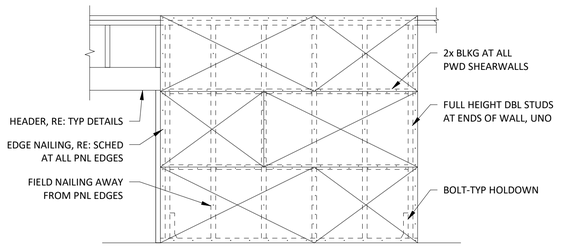


TYPICAL BUILT-UP HEADER CONSTRUCTION
4 SCALE: NONE

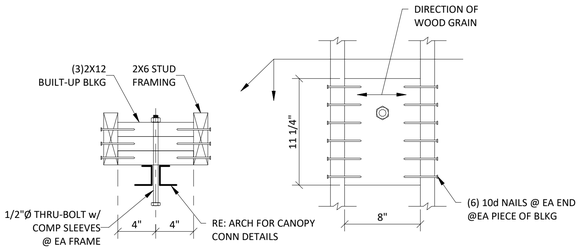


NOTES:
1. SPLICE REQUIRED OVER ALL SHEARWALLS AND ALL EXTERIOR AND BEARING WALLS.
2. SPECIFIC SPLICE REQUIREMENTS DO NOT APPLY TO INTERIOR NON-SHEARWALLS OR TOP OF PARAPET WALLS UNLESS NOTED OTHERWISE.

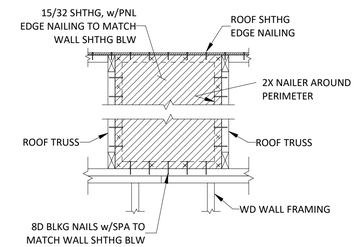
TYPICAL TOP PLATE SPLICE DETAIL
5 SCALE: NONE



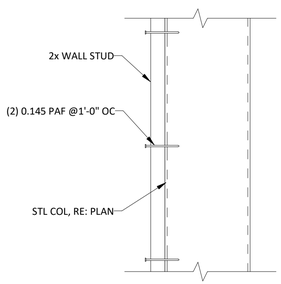
TYPICAL SHEARWALL CONSTRUCTION
6 SCALE: NONE



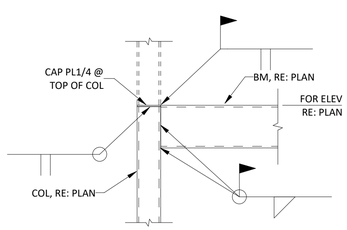
TYPICAL CANOPY CONNECTION BLOCKING DETAIL
7 SCALE: NONE



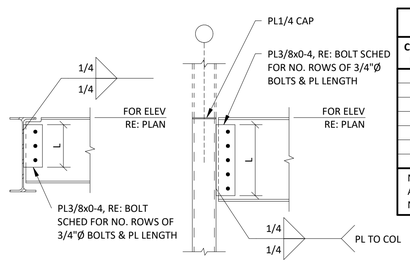
TYPICAL SHEAR BLOCKING BETWEEN TRUSSES
8 SCALE: NONE



TYPICAL SHEARWALL TERMINATION AT STEEL COLUMN DETAIL
9 SCALE: NONE



TYPICAL TUBE COLUMN TO BEAM CONNECTION
10 SCALE: NONE



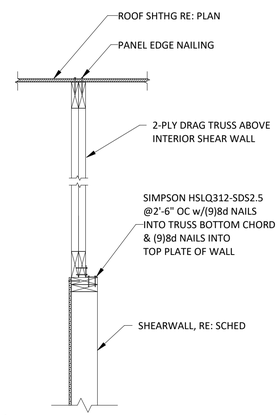
TYPICAL BM TO BM CONN **TYPICAL BM TO COL CONN**

BOLT SCHEDULE

CONNECTION BEAM SIZE	LENGTH (L)	(#) ROWS OF BOLTS
W8, W10	6"	2
W12, W14	9"	3
W16	1'-0"	4
W18	1'-3"	5
W21	1'-6"	6
W24, W27	1'-9"	7
W30, W33	2'-6"	10

NOTE: BOLTS SHALL BE 3/4"Ø A325 AT 3" CENTERS, UNLESS NOTED OTHERWISE

TYPICAL STEEL CONNECTIONS DETAIL (SHEAR TABS)
11 SCALE: NONE



SECTION
A SCALE: NONE

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MULTI-TENANT BUILDING - PARCEL #9B
LOT #9B OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SUBMISSION DATES
04/04/2022

SHEET TITLE
FRAMING DETAILS & SECTIONS I

PROJECT NUMBER
0210354

SHEET NUMBER
S-601

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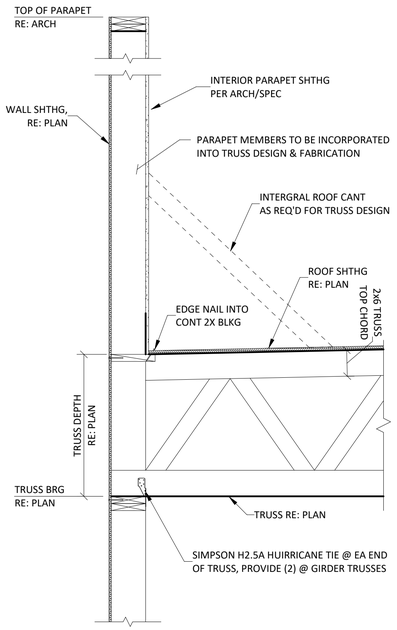

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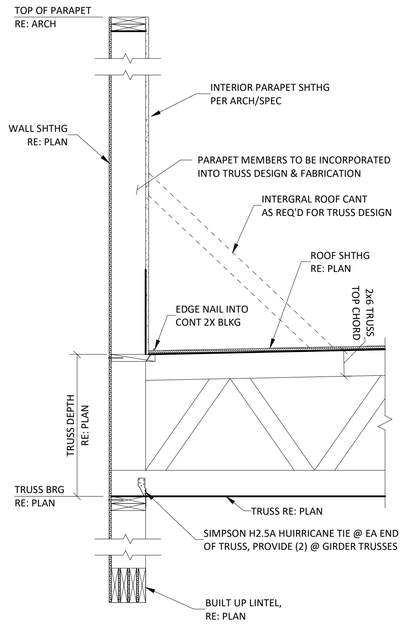

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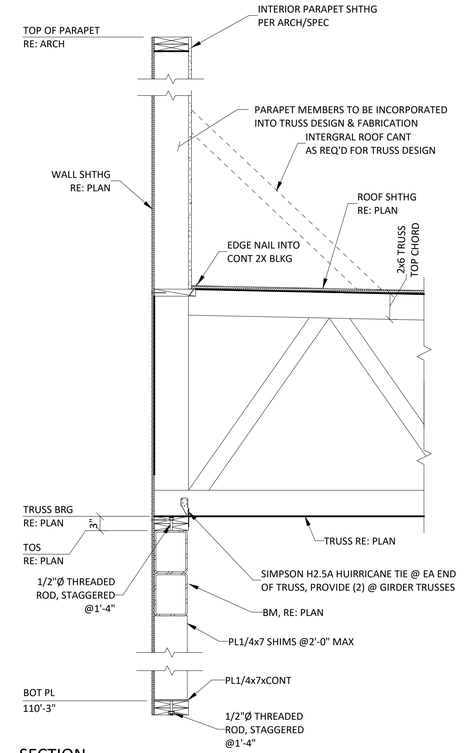

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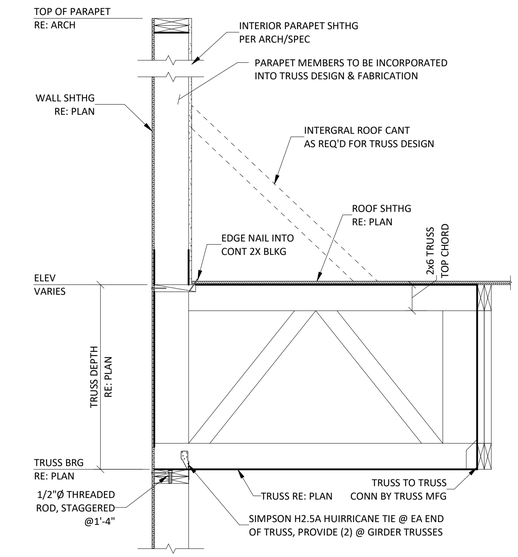

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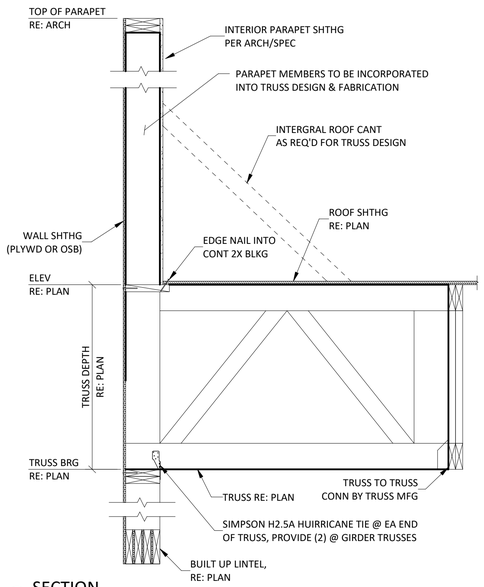

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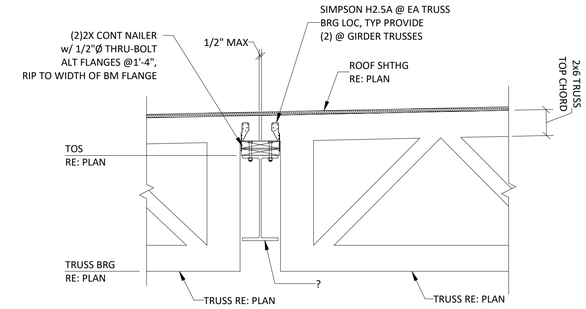

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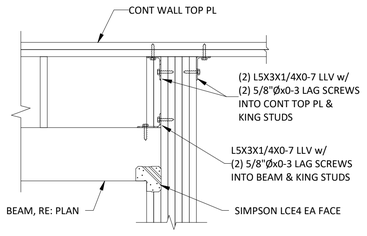

G SECTION
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AARON M. SCOTT
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20945
04/04/22
KANSAS
PROFESSIONAL ENGINEER

MULTI-TENANT BUILDING - PARCEL #9B
LOT #9B OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SUBMISSION DATES
04/04/2022

SHEET TITLE
FRAMING DETAILS & SECTIONS II

PROJECT NUMBER
0210354

SHEET NUMBER
S-602

CERTUS
STRUCTURAL ENGINEERS
900 S. Kansas Avenue; Suite 400
Topeka, Kansas 66612
Phone: (785) 291-0400
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Proj #:01190008.115
Certificate Of Authorization
E-1392
Revit 2022 Local

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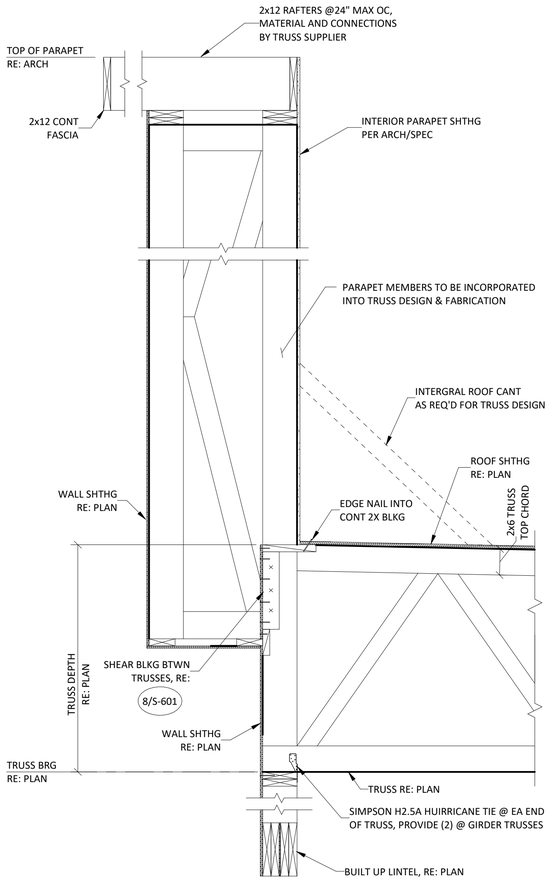

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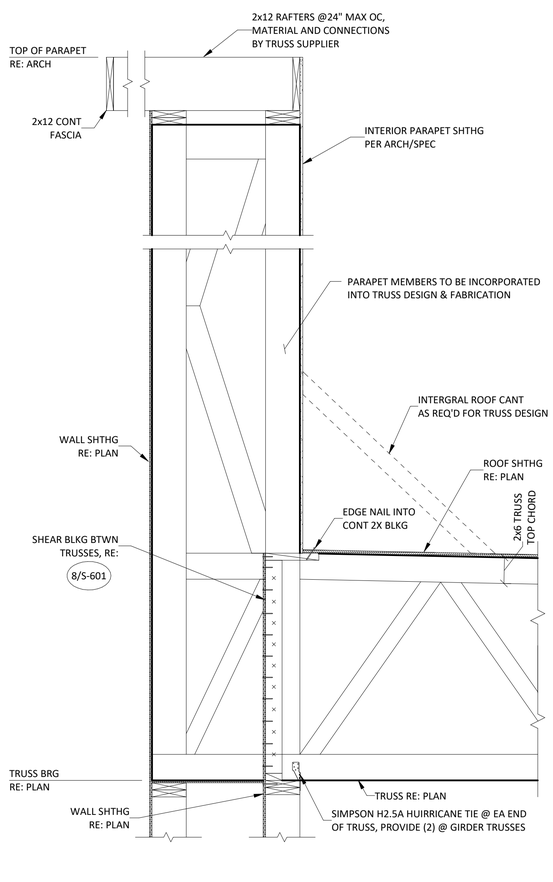

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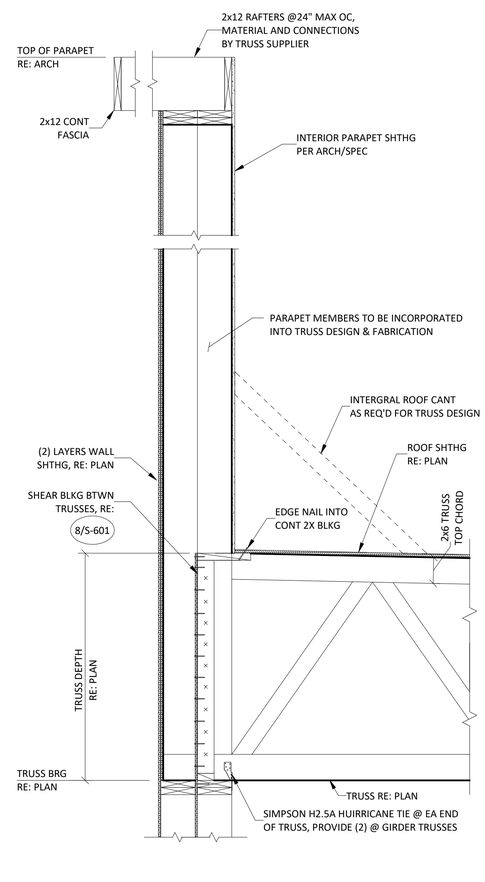

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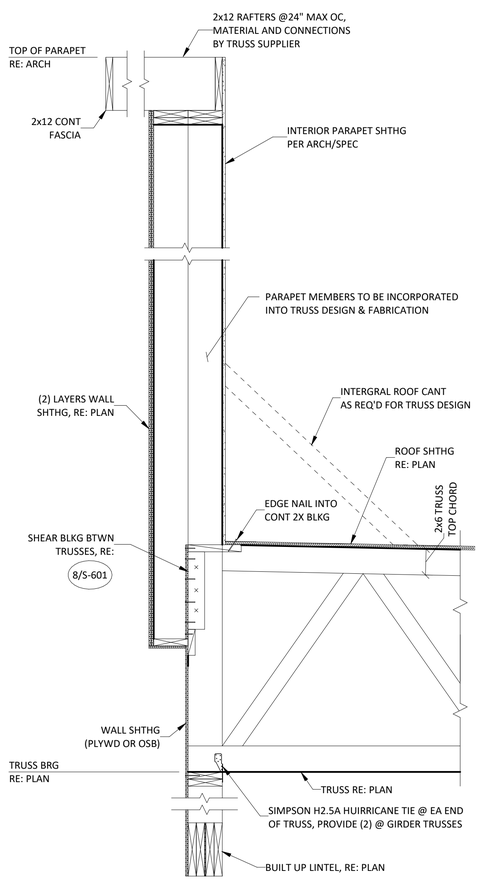

D SECTION
SCALE: NONE

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MULTI-TENANT BUILDING - PARCEL #9B
LOT #9B OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SUBMISSION DATES
04/04/2022

SHEET TITLE
FRAMING DETAILS & SECTIONS III

PROJECT NUMBER
0210354

SHEET NUMBER
S-603

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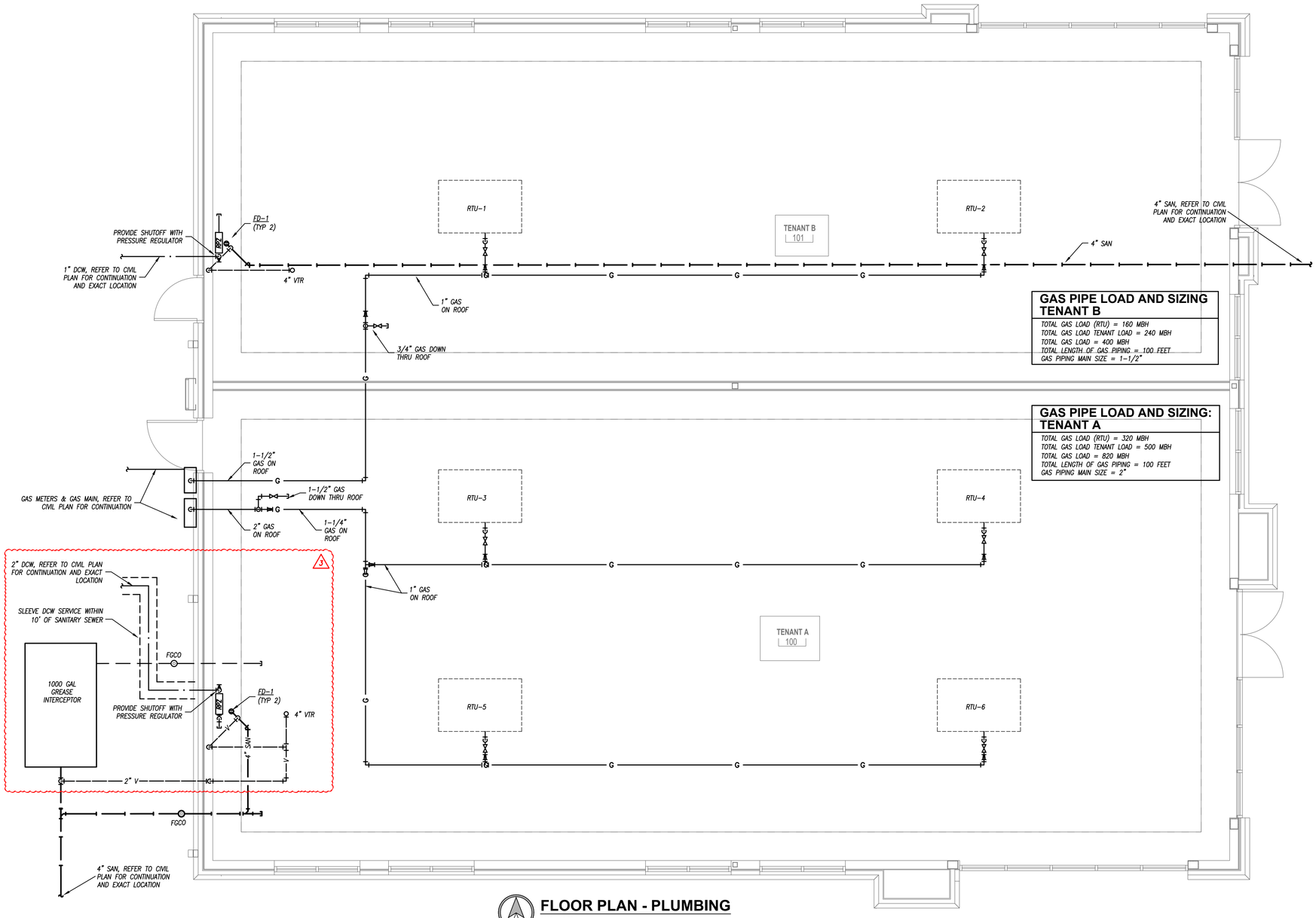

GAS PIPE LOAD AND SIZING TENANT B

TOTAL GAS LOAD (RTU) = 160 MBH
TOTAL GAS LOAD TENANT LOAD = 240 MBH
TOTAL GAS LOAD = 400 MBH
TOTAL LENGTH OF GAS PIPING = 100 FEET
GAS PIPING MAIN SIZE = 1-1/2"

GAS PIPE LOAD AND SIZING: TENANT A

TOTAL GAS LOAD (RTU) = 320 MBH
TOTAL GAS LOAD TENANT LOAD = 500 MBH
TOTAL GAS LOAD = 820 MBH
TOTAL LENGTH OF GAS PIPING = 100 FEET
GAS PIPING MAIN SIZE = 2"

FLOOR PLAN - PLUMBING

1/4" = 1'-0"

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STATE OF MISSOURI
BRYAN LEINWETTER
NUMBER PE-2020020297
PROFESSIONAL ENGINEER
4/1/22
Bryan Leinwetter - Engineer
MO# PE-2020020297

MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4-4-22
ASI-3 / 1 / 6-15-22

SHEET TITLE
PLUMBING PLAN

PROJECT NUMBER
210345

SHEET NUMBER
M-101

pkmr ENGINEERS
PEARSON KENT MCKINLEY RAAF ENGINEERS LLC
2933 SW WOODSIDE DR., SUITE C TOPEKA, KS 66614
785.273.2447 WWW.PKMRENG.COM

22.105

FILE PATH:
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MECHANICAL AND PLUMBING SYMBOL LEGEND

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

SHEET METAL

- HIGH EFFICIENCY ROUND DUCT TAKEOFF (WITH & WITHOUT MANUAL DAMPER)
- SPIN-IN ROUND DUCT TAKEOFF (WITH & WITHOUT MANUAL DAMPER)
- CONICAL BELLMOUTH ROUND TAKEOFF
- ROUND DUCT RUNOUT WITH FLEX DUCT
- DUCTWORK ELBOW (WITH & WITHOUT TURNING VANES)
- FD:FIRE DAMPER FS:FIRE/SMOKE DAMPER SD:SMOKE DAMPER BD:BACKDRAFT DAMPER (GRAVITY)
- (MD) AUTOMATIC MOTORIZED DAMPER
- 8"x8" (A) 225 SUPPLY DIFFUSER AND DIFFUSER CALLOUT (NECK SIZE, TYPE AND CFM)
- LINEAR/SLOT DIFFUSER
- RETURN GRILLE OR EXHAUST REGISTER
- SUPPLY AIR FLOW INDICATOR
- RETURN AND EXHAUST AIR FLOW INDICATOR
- THERMOSTAT
- TEMPERATURE SENSOR
- (H) HUMIDISTAT
- CONTROL WIRING

MEDICAL GAS

- MV — MEDICAL VACUUM PIPING
- O — OXYGEN PIPING
- NO — NITROUS OXIDE PIPING
- SA — MEDICAL COMPRESSED AIR PIPING
- N — NITROGEN PIPING
- CO — CARBON DIOXIDE PIPING
- V V — VACUUM VENT PIPING
- WAGD — WASTE ANESTHETIC GAS DISPOSAL PIPING
- GV — MEDICAL GAS VENT PIPING
- X — MEDICAL GAS OUTLET W/ DESIGNATION (RE: BELOW)

O	OXYGEN
N	NITROGEN
NO	NITROUS OXIDE
WAGD	WASTE ANESTHETIC GAS DISPOSAL
CO	CARBON DIOXIDE
MV	MEDICAL VACUUM
SA	SURGICAL AIR
S	MEDICAL SLIDE

GENERAL SYMBOLS

- INDICATES CONNECT TO EXISTING
- INDICATES ELEVATION

MECHANICAL PIPING

- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- D — DRAIN (CONDENSATE)
- CA — COMPRESSED AIR
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- C/HWS — CHILLED/HOT WATER SUPPLY
- C/HWR — CHILLED/HOT WATER RETURN
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- CTWS — COOLING TOWER SUPPLY
- CTWR — COOLING TOWER RETURN
- STM — STEAM (ANY #'S DENOTE PRESSURE)
- CR — CONDENSATE RETURN (#'S DENOTE PRESSURE)
- RV — REFRIGERANT VENT
- RD — RUPTURE DISK

PLUMBING PIPING

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- RECIRCULATING DOMESTIC HOT WATER
- SAN — WASTE ABOVE GRADE OR FLOOR
- SAN — WASTE BELOW GRADE OR FLOOR
- ST — STORM ABOVE GRADE OR FLOOR
- ST — STORM BELOW GRADE OR FLOOR
- ST/O — STORM OVERFLOW ABOVE GRADE OR FLOOR
- ST/O — STORM OVERFLOW BELOW GRADE OR FLOOR
- V — PLUMBING VENT
- W — WATER SERVICE
- G — GAS (NATURAL)
- PD — FROM SUMP PUMP DISCHARGE
- CA — COMPRESSED AIR
- LP — PROPANE
- SCW — SOFT DOMESTIC COLD WATER
- SHW — SOFT DOMESTIC HOT WATER
- SRW — SOFT RECIRCULATING HOT WATER
- ACID — ACID WASTE
- VACID — ACID WASTE VENT
- NP — NON-POTABLE
- DI — DEIONIZED WATER
- RO — REVERSE OSMOSIS WATER

FIRE SPRINKLER

- F — FIRE PROTECTION PIPING
- SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD
- FIRE PROTECTION SIAMESE CONNECTION
- POST INDICATOR VALVE

PIPING SYMBOLS

- SHUTOFF VALVE
- SHUTOFF VALVE IN RISER
- BALANCING VALVE
- PLUG VALVE
- AUTO FLOW CONTROL VALVE
- PIPING ELBOW UP
- PIPING ELBOW DOWN
- PIPING TEE
- PIPING ELBOW
- PIPING TEE UP
- PIPING TEE DOWN
- INCREASER / REDUCER
- UNION
- CAP
- PIPE FLEX
- STRAINER
- CHECK VALVE
- INLINE STRAINER
- TEST PLUG
- GUIDE
- ANCHOR
- TRIPLE DUTY VALVE
- AUTOMATIC 2-WAY CONTROL VALVE
- AUTOMATIC 3-WAY CONTROL VALVE
- SOLENOID VALVE

PIPING SPECIALTIES

- PRESS/ TEMP GAUGE WITH COCK
- THERMOMETER.
- HI / LOW PRESSURE REDUCING VALVE
- RELIEF VALVE
- WATER HAMMER ARRESTER

PLUMBING FIXTURES/EQUIPMENT

- HB — HOSE BIBB
- WH — WALL HYDRANT
- CLEAN OUT
- RPZ — REDUCED PRESSURE BACKFLOW PREVENTER
- DCBP — DOUBLE CHECK BACKFLOW PREVENTER
- WC-1 / S-1 — PLUMBING FIXTURE AND CALLOUT
- FD-1 — FD: FLOOR DRAIN, AD: AREA DRAIN, FS: FLOOR SINK
- RD-1 — RD: ROOF DRAIN, ORD: OVERFLOW ROOF DRAIN

PIPING MATERIAL & INSULATION SCHEDULE

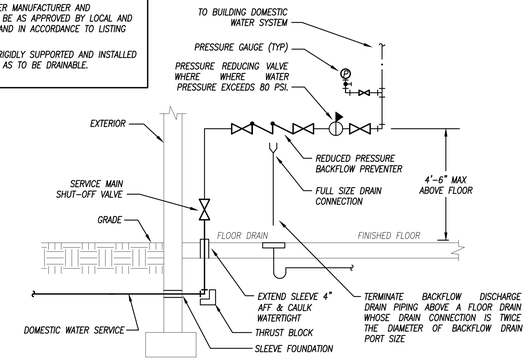
PIPING SYSTEM	SIZE	TYPE/SCHED	MATERIAL	ACCEPTABLE FITTINGS	FIELD TEST PRESSURE/TIME	ALLOWABLE IN PLENUMS	INSULATION TYPE	INSULATION THICKNESS
DOMESTIC COLD WATER	1/2"-2-1/2"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASJ	1/2"
DOMESTIC HOT WATER & HW RETURN	1/2"-2-1/2"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASJ	1"
NATURAL GAS - ABOVE GRADE	2-1/2 & Up	SCH. 40	STEEL- SEEMED	WELDED	75 PSI - 1HR	YES	----	----
NATURAL GAS - ABOVE GRADE	1/2"-2"	SCH. 40	STEEL- SEEMLESS	THREADED IRON	75 PSI - 1HR	YES	----	----
SOIL & WASTE BELOW GRADE	2"-8"	SCH. 40	PVC	SOLVENT JOINED	10 FT - 1/2HR	NO	----	----
DOM. WATER SERVICE BELOW GRADE	4"-8"	AWWA C151	DUCTILE IRON	AWWA C111. MECH JOINTS	130 PSI - 1/2HR	YES	----	----
DOM. WATER SERVICE BELOW GRADE	1"-3"	K	COPPER	CONTINUOUS TUBING, BRAZED	130 PSI - 1/2HR	YES	----	----
DOM. WATER SERVICE BELOW GRADE	1"-3"	DR 9	HDPE	CONTINUOUS TUBING, FUSED	130 PSI - 1/2HR	NO	----	----

NOTES

1. ALL PIPING AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50.
2. ALL INSULATION THICKNESSES SHALL MEET ASHRAE 90.1 - 2007 REQUIREMENTS AT A MINIMUM.
3. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.

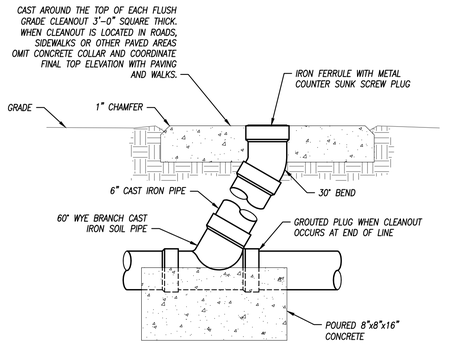
NOTES:

1. BACKFLOW PREVENTER MANUFACTURER AND INSTALLATION SHALL BE AS APPROVED BY LOCAL AND STATE AUTHORITIES AND IN ACCORDANCE TO LISTING OF DEVICE.
2. ALL PIPING TO BE RIGIDLY SUPPORTED AND INSTALLED IN SUCH A MANNER AS TO BE DRAINABLE.



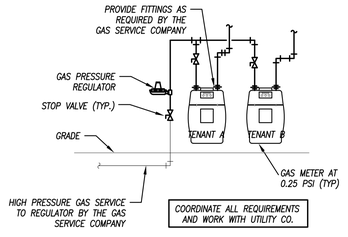
WATER SERVICE
REDUCED PRESSURE BACKFLOW PREVENTER DETAIL

NOT TO SCALE



FLUSH GRADE CLEANOUT DETAIL

NOT TO SCALE



GAS SERVICE DETAIL

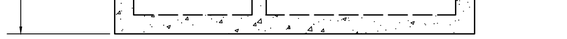
NOT TO SCALE

FLOOR DRAIN SCHEDULE

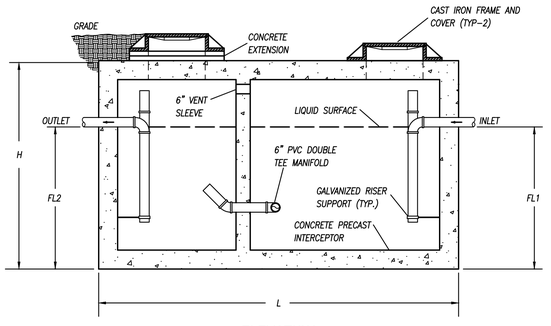
PLAN MARK	MANUFACTURER	MODEL NUMBER	SERVICE	TOP/GRATE SIZE	WASTE SIZE	REMARKS
FD-1	WADE	1100	FLOOR DRAIN	6"Ø	3"	1

REMARKS:

1. PROVIDE WITH NICKEL BRONZE TOP AND TRAP SEAL.



PLAN VIEW



ELEVATION

GREASE INTERCEPTOR DETAIL

NO SCALE

GREASE INTERCEPTOR SCHEDULE

MANUFACTURER	MODEL NO.	CAPACITY US gal	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2
PARK ENVIRONMENTAL EQUIPMENT	GT-1000	1,000	2,300	13,200	8'-8"	5'-0"	6'-0"	4'-9"	4'-6"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
06/21/2022

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STATE OF MISSOURI
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NUMBER PE-2020020297
PROFESSIONAL ENGINEER
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MO# PE-2020020297
4/1/22

MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4-4-22

SHEET TITLE
PLUMBING DETAILS

PROJECT NUMBER
210345

SHEET NUMBER
M-201

pkmr ENGINEERS
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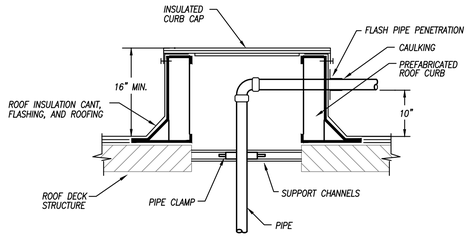
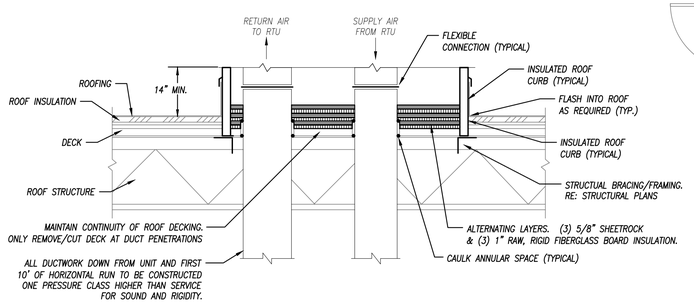


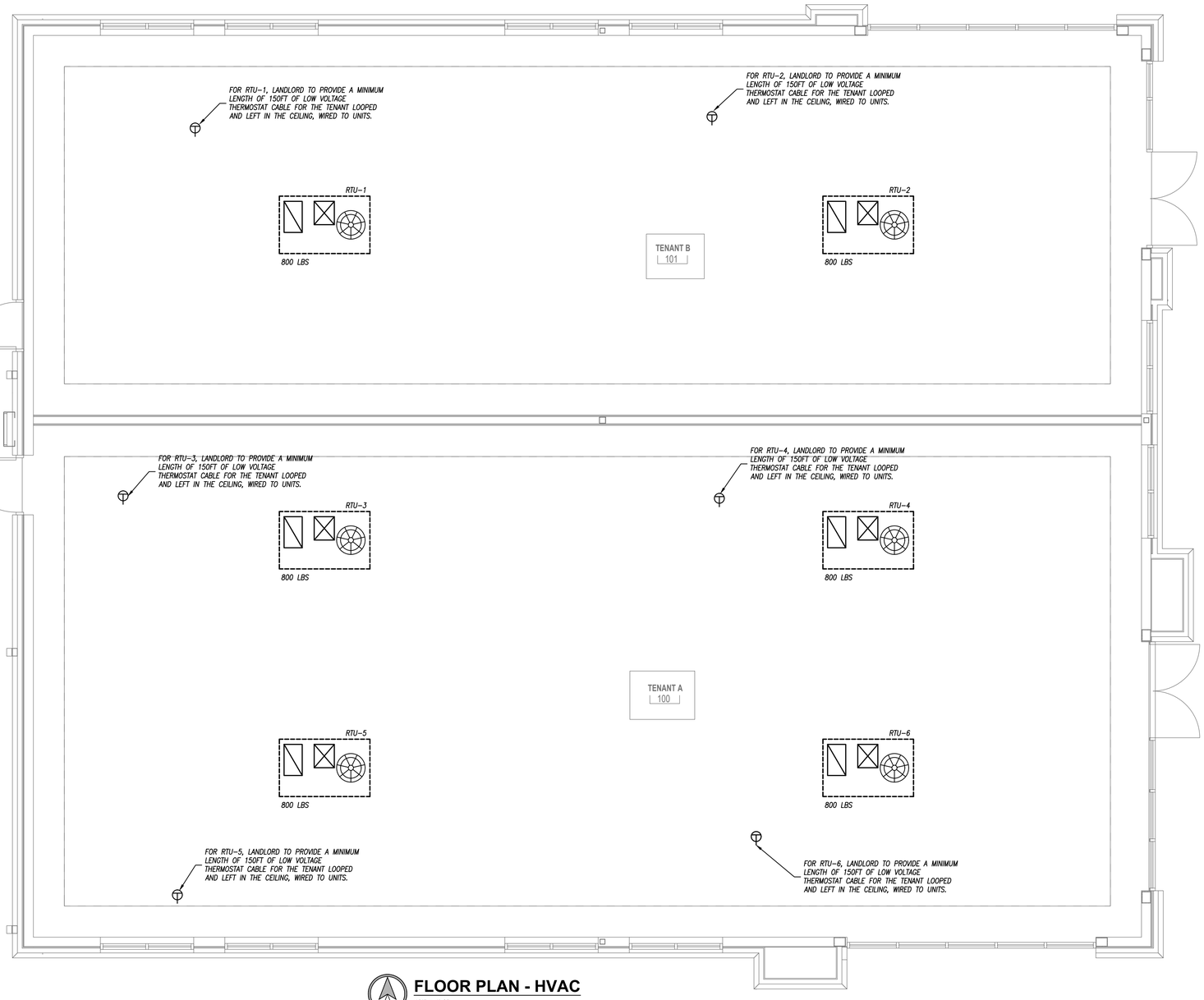
ROOF PIPE CURB PENETRATION

NOT TO SCALE



ROOFTOP UNIT CURB DETAIL

NOT TO SCALE



FLOOR PLAN - HVAC

1/4" = 1'-0"

ROOF TOP UNIT SCHEDULE - THREE PHASE ELECTRIC WITH GAS HEAT

PLAN MARK	MANUFACTURER	MODEL NUMBER	SIZE	REFRIGERANT	MINIMUM EFFICIENCY	AIRFLOW	COMPRESSORS	COOLING CAPACITY	CFM	EXTERNAL STATIC	OA CFM	HEATING CAPACITY	ELECTRICAL	WEIGHT	FILTER	NOTES
RTU-1	TRANE	YSC 036 E3	3 TON	R-410A	14 SEER	DOWN	(1) SCROLL	37,100 BTUH	1,200	0.7"	120	80 MBH	208 V., 3 PH, 30 AMP	800 LBS	MERV 13	1,2,3
RTU-2	TRANE	YSC 036 E3	3 TON	R-410A	14 SEER	DOWN	(1) SCROLL	37,100 BTUH	1,200	0.7"	120	80 MBH	208 V., 3 PH, 30 AMP	800 LBS	MERV 13	1,2,3
RTU-3	TRANE	YSC 060 E3	5 TON	R-410A	14 SEER	DOWN	(1) SCROLL	60,100 BTUH	2,000	1.0"	200	80 MBH	208 V., 3 PH, 40 AMP	800 LBS	MERV 13	1,2,3,4
RTU-4	TRANE	YSC 060 E3	5 TON	R-410A	14 SEER	DOWN	(1) SCROLL	60,100 BTUH	2,000	1.0"	200	80 MBH	208 V., 3 PH, 40 AMP	800 LBS	MERV 13	1,2,3,4
RTU-5	TRANE	YSC 060 E3	5 TON	R-410A	14 SEER	DOWN	(1) SCROLL	60,100 BTUH	2,000	1.0"	200	80 MBH	208 V., 3 PH, 40 AMP	800 LBS	MERV 13	1,2,3,4
RTU-6	TRANE	YSC 060 E3	5 TON	R-410A	14 SEER	DOWN	(1) SCROLL	60,100 BTUH	2,000	1.0"	200	80 MBH	208 V., 3 PH, 40 AMP	800 LBS	MERV 13	1,2,3,4

NOTES LEGEND

1. PROVIDE ROOF CURB, DISCONNECT SWITCH, HAIL GUARDS, AND ECONOMIZER
2. PROVIDE WALL MOUNTED 7-DAY PROGRAMMABLE THERMOSTAT
3. PROVIDE INTERNAL VIBRATION ISOLATION FOR THE RTU FAN AND COMPRESSORS
4. PROVIDE SMOKE DETECTOR IN RETURN AIR DUCT DROP.

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STATE OF MISSOURI
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MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

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4-4-22

ASI-1	1	4-7-22

SHEET TITLE
HVAC PLAN

PROJECT NUMBER
210345

SHEET NUMBER
M-301

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22-105

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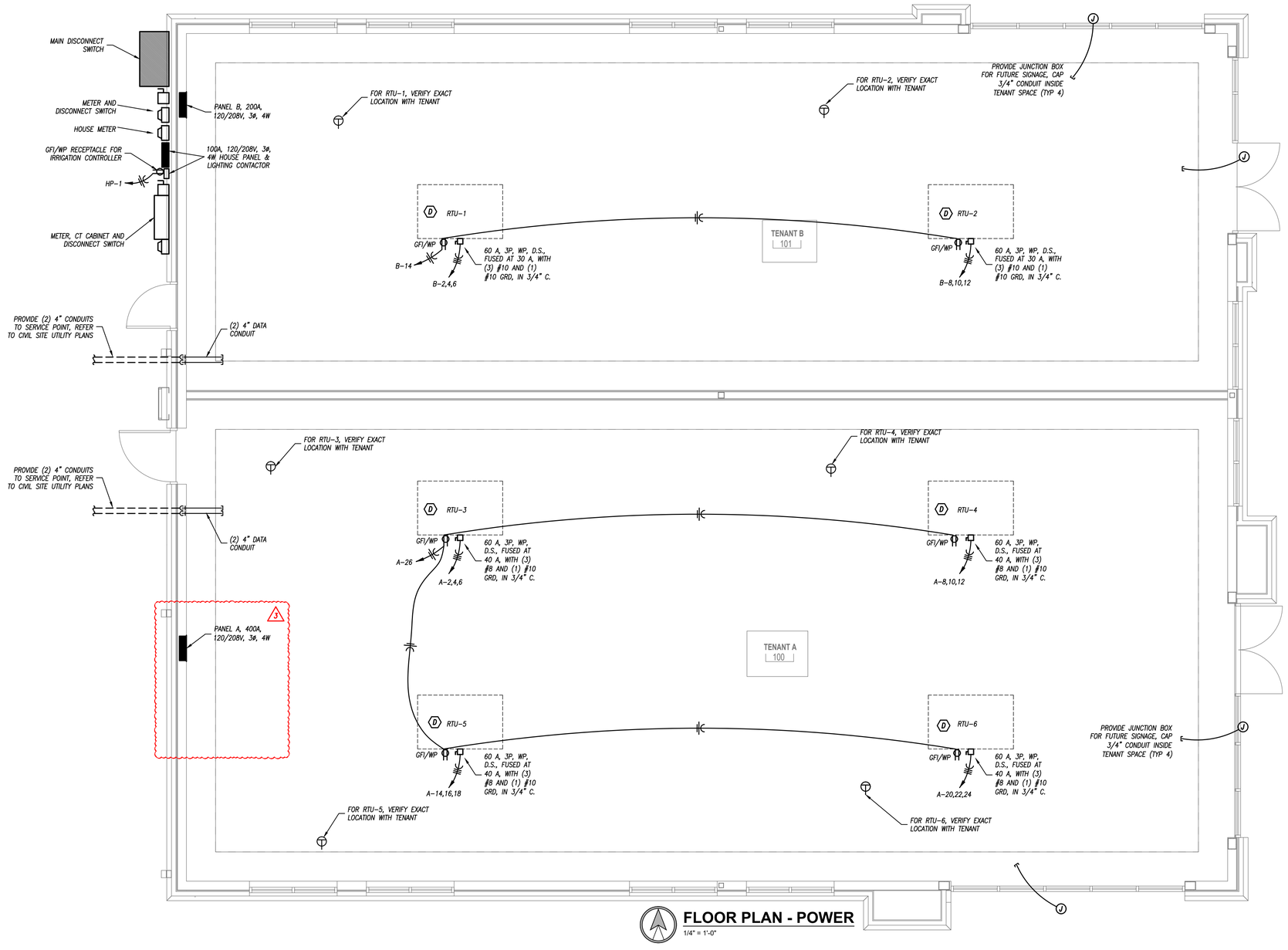

FLOOR PLAN - POWER

1/4" = 1'-0"

GENERAL ELECTRICAL NOTES

1. COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
2. COORDINATE LOCATIONS OF RECEPTACLES, SWITCHES, ETC. WITH ARCHITECTURAL CASEWORK AND ELEVATIONS.
3. REFER TO MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHTS OF ALL DEVICES NOT INDICATED OTHERWISE.
4. PROVIDE ALL EMPTY CONDUITS WITH PULL STRINGS AND BUSHED ENDS.
5. CONTRACTOR SHALL CONCEAL ALL CONDUIT, FITTINGS, AND DEVICES FROM VIEW WHERE REASONABLY POSSIBLE.

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STATE OF MISSOURI
BRYAN LEINWETTER
NUMBER PE-2020020297
PROFESSIONAL ENGINEER
1/3/22
Bryan Leinwetter - Engineer
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MULTI-TENANT BUILDING - PARCEL #9B
STREETS OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES		
4-4-22		
ASI-3	1	6-15-22

SHEET TITLE
POWER PLAN

PROJECT NUMBER
210345

SHEET NUMBER
E-101

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ELECTRICAL SYMBOL LEGEND

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

CIRCUITING

- HOME RUN (2#12 1#12G UNO)
- INDICATES 2 PHASE, 1 N, & 1 GRD CONDUCTOR
- HOME RUN: INDICATES SHARED CIRCUIT
- HOME RUN: INDICATES #10 CONDUCTORS ENTIRELY

UTILITIES

- UGE — UNDERGROUND ELECTRICAL
- OHE — OVERHEAD ELECTRICAL
- TELE — TELECOMMUNICATIONS CONDUIT
- UGT — UNDERGROUND TELECOMMUNICATIONS CONDUIT

LIGHTING

- FLUORESCENT LIGHT FIXTURE
- FLUORESCENT STRIP FIXTURE
- SURFACE/RECESSED LIGHT FIXTURE
- WALL-MOUNTED LIGHT FIXTURE
- POLE-MOUNTED LIGHT FIXTURE
- EXIT LIGHT
- BATTERY-OPERATED EMERGENCY LIGHT (WALL MTD)
- BATTERY-OPERATED EMERGENCY LIGHT (CEILING MTD)
- WALL-MOUNTED COMBINATION EXIT LIGHT/ BATTERY-OPERATED EMERGENCY LIGHT
- LIGHT SWITCH - SINGLE POLE
- S_3 LIGHT SWITCH - 3-WAY
- S_4 LIGHT SWITCH - 4-WAY
- S_K LIGHT SWITCH - KEY
- S_D LIGHT SWITCH - DIMMER
- S_{PL} LIGHT SWITCH - PILOT LIGHT
- S_{2P} LIGHT SWITCH - 2 POLE
- S_3^D LIGHT SWITCH - 3-WAY DIMMER
- S_M WALL-MOUNTED MOTION SWITCH
- (M) CEILING-MOUNTED MOTION SWITCH
- SB SWITCHBANK - REFER TO DETAILS
- FD1 DIMMER BOARD
- RCS-1 REMOTE CONTROL SWITCH AS SCHEDULED
- TC TIMECLOCK - REFER TO PLANS / DETAILS

EQUIPMENT

- DISCONNECT SWITCH. RE: PLANS FOR INFORMATION.
- MAGNETIC MOTOR STARTER
- COMBINATION DISCONNECT SWITCH / MOTOR STARTER
- TOGGLE-TYPE DISCONNECT. FURNISH WITH THERMAL MOTOR PROTECTION WHERE SERVING FANS/PUMPS.
- SURFACE PANELBOARD
- RECESSED PANELBOARD
- DISTRIBUTION PANELBOARD
- SWITCHBOARD. FEEDER/MAIN CIRCUIT BREAKER SECTION AND DISTRIBUTION SECTION.

GENERAL SYMBOLS

- INDICATES CONNECT TO EXISTING
- INDICATES ELEVATION

POWER DEVICES

- DUPLEX RECEPTACLE.
- LINE THRU DEVICE INDICATES ABOVE COUNTER
- GFI SPECIAL DUPLEX RECEPTACLE (GFCI, ISOLATED GROUND, ETC.)
- QUADPLEX RECEPTACLE
- 5-50R SIMPLEX RECEPTACLE W/NEMA CONFIG AS NOTED
- 5-50R MULTI-POLE RECEPTACLE W/NEMA CONFIG AS NOTED
- CEILING MOUNTED RECEPTACLE
- RECEPTACLE/DEVICE MOUNTED IN "TOMBSTONE"
- POKE-THRU WITH POWER
- POKE-THRU WITH TELECOMMUNICATIONS
- POKE-THRU W/POWER AND TELECOM
- 1G SINGLE GANG FLOOR BOX (2, 3, 4 GANG SIMILAR)
- DIVIDED POWER POLE
- C CLOCK RECEPTACLE
- PLUG MOLD / WIRE MOLD AS SPECIFIED
- J JUNCTION BOX
- T THERMOSTAT - ELECTRIC
- H PUSH BUTTON
- MOTOR

TELEPHONE/DATA

- TELEPHONE OUTLET (SINGLE-GANG BOX WITH (1) 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING)
- LINE THRU DEVICE INDICATES ABOVE COUNTER
- DATA OUTLET (DOUBLE-GANG BOX WITH (2) 3/4" CONDUITS TO ABOVE ACCESSIBLE CEILING)
- TELEPHONE/DATA OUTLET (DOUBLE-GANG BOX WITH (2) 3/4" CONDUITS TO ABOVE ACCESSIBLE CLG.)
- 1V PHONE OUTLET WITH NUMBER OF PHONE JACKS AS INDICATED - SEE DETAILS FOR ADD'L INFO.
- 1D DATA OUTLET WITH NUMBER OF PHONE JACKS AS INDICATED - SEE DETAILS FOR ADD'L INFO.
- 1D/1V PHONE/DATA OUTLET WITH NUMBER OF PHONE/DATA JACKS AS INDICATED - SEE DETAILS FOR ADD'L INFO.
- W WALL-MOUNTED WIRELESS INTERNET TRANSMITTER
- W CEILING-MOUNTED WIRELESS INTERNET TRANSMITTER

AUDIO/VISUAL

- TV TELEVISION OUTLET (SINGLE GANG BOX WITH (1) 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING)
- TR REVERSE TELEVISION OUTLET - CABLE TO HEAD END
- TDC TEACHER'S DESK CONNECTIONS - RE: DETAILS
- S WALL SPEAKER
- S CEILING SPEAKER
- S WALL SPEAKER - HORN TYPE
- S CEILING SPEAKER - HORN TYPE
- S_{SUB} CEILING SPEAKER - SUBWOOFER
- S_{SS} CEILING SPEAKER - SOUND SYSTEM
- V VOLUME CONTROL
- I INTERCOM CALL STATION
- INTERCOM HANDSET
- SOUND SYSTEM AUDIO JACK
- RM REMOTE MICROPHONE CONTROL
- PAS PUBLIC ADDRESS SYSTEM AMPLIFIER
- IMS INTERCOM MASTER STATION

FIRE ALARM

- F MANUAL PULL STATION
- D CEILING SMOKE DETECTOR
- D DUCT SMOKE DETECTOR
- H HEAT DETECTOR
- WF WATERFLOW SWITCH
- TS TAMPER SWITCH
- 75 VISIBLE NOTIFICATION DEVICE WITH CANDELA RATING. 75cd RATING UNLESS OTHERWISE NOTED ON PLANS.
- 30 AUDIBLE/VISIBLE NOTIFICATION DEVICE WITH CANDELA RATING. 75cd UNLESS OTHERWISE NOTED ON PLANS.
- HORN
- 75 CEILING-MOUNTED STROBE LIGHT WITH CANDELA RATING. MINIMUM OF 75cd RATING.
- 30 CEILING-MOUNTED COMBINATION HORN/STROBE WITH CANDELA RATING. MIN. OF 75cd RATING.
- CEILING-MOUNTED HORN
- CEILING-MOUNTED SPEAKER
- R RELAY
- FACP FIRE ALARM CONTROL PANEL
- FAAP FIRE ALARM ANNUNCIATOR PANEL
- FARA REMOTE ANNUNCIATOR PANEL
- FAEC FIRE ALARM EXTENDER CABINET
- DH DOOR HOLDER
- D 120V SINGLE / MULTI-STATION 120V SMOKE ALARM
- ZAM ZONE ADDRESSABLE MODULE
- IAM INDIVIDUAL ADDRESSABLE MODULE
- HFSS KITCHEN HOOD FIRE SUPPRESSION SYSTEM PANEL
- H KITCHEN HOOD REMOTE PULL STATION
- ARA AREA OF RESCUE ASSISTANCE STATION
- ARAM AREA OF RESCUE ASSISTANCE MASTER STATION

SECURITY

- FIXED CAMERA
- PTZ PAN/TILT/ZOOM CAMERA
- PROX PROXIMITY TYPE CARD READER
- CARD SWIPE CARD READER
- BG BREAK GLASS DETECTOR
- ES ELECTRIC STRIKE
- MD SECURITY MOTION DETECTOR
- KP KEYPAD / MAG LOCK
- B BUTTON / MAG LOCK

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PANELBOARD SCHEDULE

PANEL DESIGNATION: **A** | MAIN BUS AMPS: 400 | MAIN BREAKER: MCB | PANEL TYPE: NQOD | VOLTAGE: 120/208V | PHASE/WIRE: 3PH/4W | MOUNTING: RECESSED | LOCATION: SEE PLANS | MINIMUM AIC: 22K

CIRCUIT DESCRIPTION	CKT. BKR. P	CKT. BKR. AMP	CKT. NO.	CKT. NO.	CKT. BKR. AMP	CKT. BKR. P	CIRCUIT DESCRIPTION
EXHAUST FAN	1	20	1	2	60	3	RTU-3 (VERIFY C.B. SIZE WITH
RECEPTACLES: PLANTERS	1	20	3	4			TENANT'S CONSTRUCTION DOCUMENTS)
DRIVE-THRU WINDOW	1	20	5	6			
PATIO STRING LIGHTS	1	20	7	8	60	3	RTU-4 (VERIFY C.B. SIZE WITH
SPARE	1	20	9	10			TENANT'S CONSTRUCTION DOCUMENTS)
SPARE	1	20	11	12			
SPARE	1	20	13	14	60	3	RTU-5 (VERIFY C.B. SIZE WITH
SPARE	1	20	15	16			TENANT'S CONSTRUCTION DOCUMENTS)
SPARE	1	20	17	18			
SPARE	1	20	19	20	60	3	RTU-6 (VERIFY C.B. SIZE WITH
SPARE	1	20	21	22			TENANT'S CONSTRUCTION DOCUMENTS)
SPARE	1	20	23	24			
SPARE	1	20	25	26	20	1	ROOF RECEPTACLES
SPARE	1	20	27	28	20	1	SPARE
SPARE	1	20	29	30	20	1	SPARE
SPARE	1	20	31	32	20	1	SPARE
SPARE	1	20	33	34	20	1	SPARE
SPARE	1	20	35	36	20	1	SPARE
SPARE	1	20	37	38	20	1	SPARE
SPARE	1	20	39	40	20	1	SPARE
SPARE	1	20	41	42	20	1	SPARE

PANELBOARD SCHEDULE

PANEL DESIGNATION: **HP** | MAIN BUS AMPS: 100 | MAIN BREAKER: 100 | PANEL TYPE: NEMA 3R | VOLTAGE: 120/240V | PHASE/WIRE: 3PH/4W | MOUNTING: SURFACE | LOCATION: EXTERIOR | MINIMUM AIC: 22K

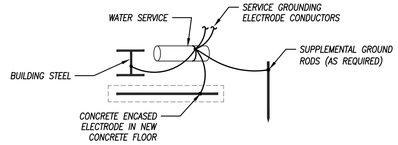
CIRCUIT DESCRIPTION	CKT. P	CKT. BKR. AMP	CKT. NO.	CKT. NO.	CKT. BKR. AMP	CKT. BKR. P	CIRCUIT DESCRIPTION
IRRIGATION CONTROLLER	1	20	1	2	20	2	SITE LTG: PARKING LOT
SPARE	1	20	3	4			
SPARE	1	20	5	6	20	2	SITE LTG: PARKING LOT
SPARE	1	20	7	8			
SPARE	1	20	9	10	20	1	SITE LTG: CANOPIES
SPARE	1	20	11	12	20	1	SITE LTG: WALL PACKS
SPARE	1	20	13	14	20	1	SITE LTG: EM LIGHTS
SPARE	1	20	15	16	20	1	SPARE
SPARE	1	20	17	18	20	1	SPARE
SPARE	1	20	19	20	20	1	SPARE
SPACE			21	22			SPACE
SPACE			23	24			SPACE
SPACE			25	26			SPACE
SPACE			27	28			SPACE
SPACE			29	30			SPACE

NOTES:
NEMA 3R RATED PANEL WITH LOCKABLE COVER

PANELBOARD SCHEDULE

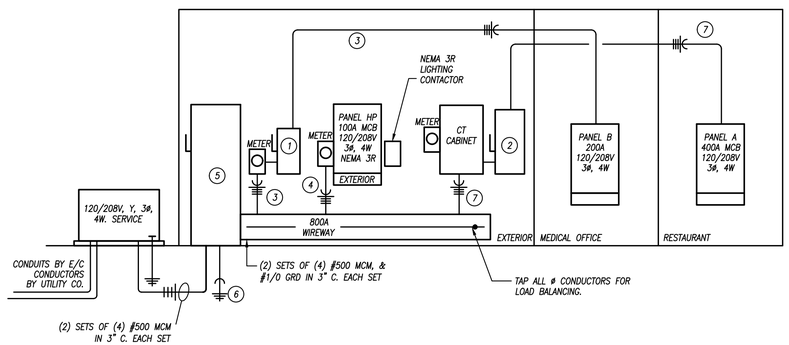
PANEL DESIGNATION: **B** | MAIN BUS AMPS: 225A | MAIN BREAKER: 200A | PANEL TYPE: NQOD | VOLTAGE: 120/208V | PHASE/WIRE: 3PH/4W | MOUNTING: RECESSED | LOCATION: SEE PLANS | MINIMUM AIC: 22K

CIRCUIT DESCRIPTION	CKT. BKR. P	CKT. BKR. AMP	CKT. NO.	CKT. NO.	CKT. BKR. AMP	CKT. BKR. P	CIRCUIT DESCRIPTION
SPARE	1	20	1	2	30	3	RTU-1 (VERIFY C.B. SIZE WITH
SPARE	1	20	3	4			TENANT'S CONSTRUCTION DOCUMENTS)
SPARE	1	20	5	6			
SPARE	1	20	7	8	30	3	RTU-2 (VERIFY C.B. SIZE WITH
SPARE	1	20	9	10			TENANT'S CONSTRUCTION DOCUMENTS)
SPARE	1	20	11	12			
SPARE	1	20	13	14	20	1	ROOF RECEPTACLES
SPARE	1	20	15	16	20	1	SPARE
SPARE	1	20	17	18	20	1	SPARE
SPARE	1	20	19	20	20	1	SPARE
SPARE	1	20	21	22	20	1	SPARE
SPARE	1	20	23	24	20	1	SPARE
SPARE	1	20	25	26	20	1	SPARE
SPARE	1	20	27	28	20	1	SPARE
SPARE	1	20	29	30	20	1	SPARE
SPARE	1	20	31	32	20	1	SPARE
SPARE	1	20	33	34	20	1	SPARE
SPARE	1	20	35	36	20	1	SPARE
SPARE	1	20	37	38	20	1	SPARE
SPARE	1	20	39	40	20	1	SPARE
SPARE	1	20	41	42	20	1	SPARE



GROUNDING ELECTRODE SYSTEM

N.T.S



ELECTRICAL RISER DIAGRAM

NO SCALE

ELECTRICAL RISER KEYED NOTES

1. 200 AMP, 3 PH, NEMA 3R DISCONNECT SWITCH FUSED AT 200 AMP
2. 400 AMP, 3 PH, NEMA 3R DISCONNECT SWITCH FUSED AT 400 AMP
3. 1 SET OF (4) #3/0 AND (1) #6 GRD. IN 2-1/2" C.
4. (4) #1 AND (1) #8 GRD. IN 1-1/2" C.
5. 800A 120/208V, 3PH, 4W NEMA 3R ELECTRONIC TRIP CIRCUIT BREAKER SERVICE RATED DISCONNECT
6. #3/0 GROUNDING ELECTRODE CONDUCTOR. RE: DETAIL.
7. 2 SETS OF (4) #3/0 AND (1) #6 GRD. IN 2-1/2" C.

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STREETS OF WEST PRYOR
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI 64081

SUBMISSION DATES
4-4-22

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ELECTRICAL DETAILS

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210345

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E-201

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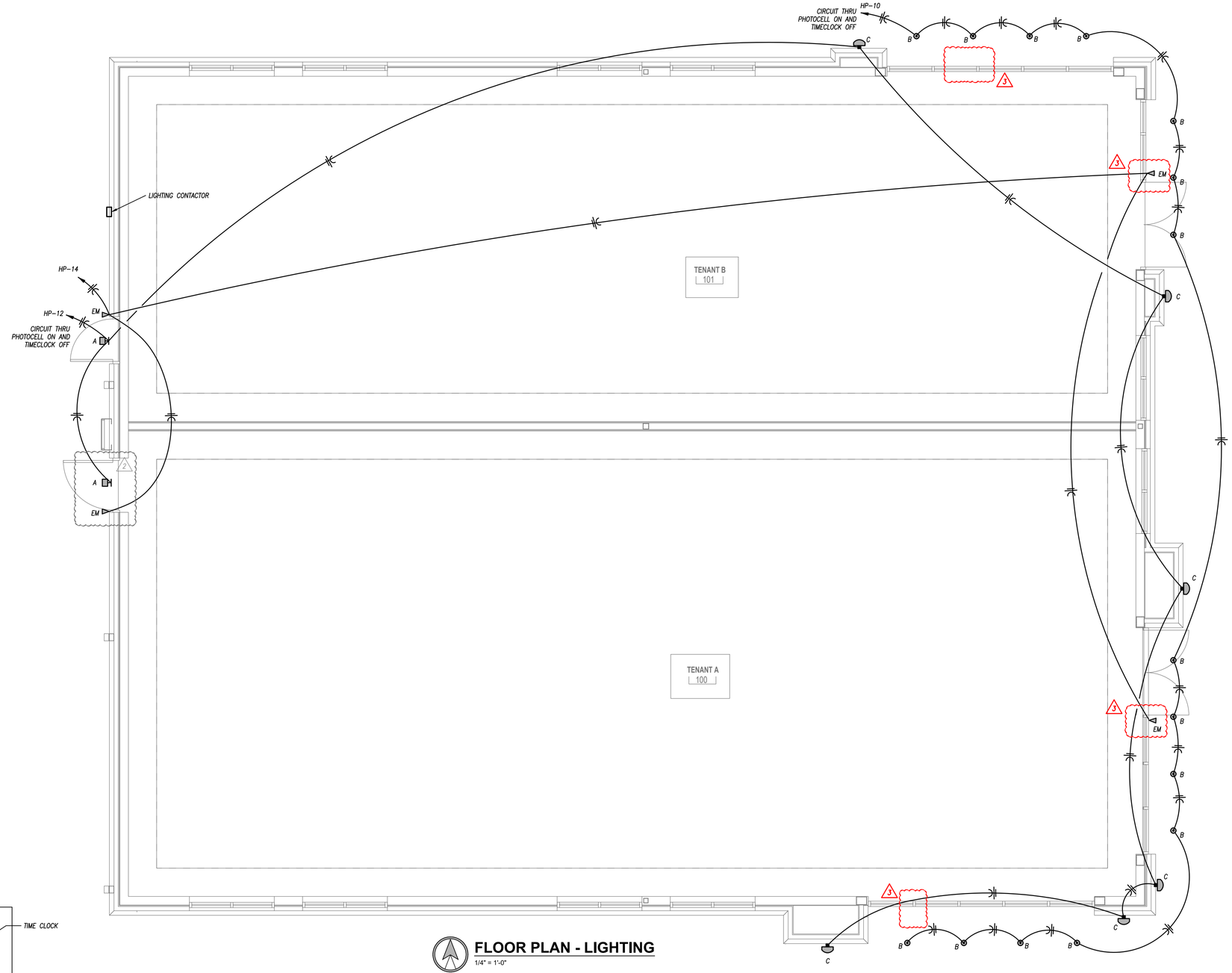
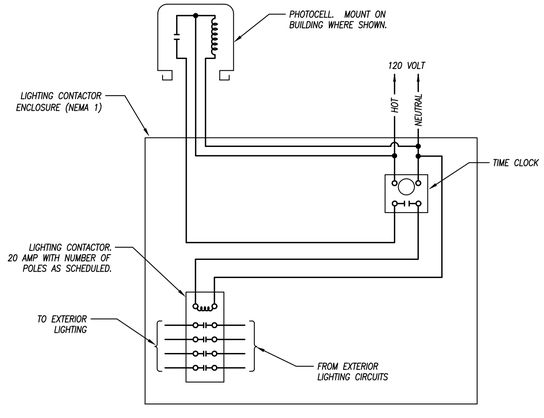


FLOOR PLAN - LIGHTING

1/4" = 1'-0"



EXTERIOR LIGHTING CONTROL

NOT TO SCALE

LIGHT FIXTURE SCHEDULE

PLAN MARK	MANUFACTURER	MODEL NUMBER	MOUNTING	FINISH	LAMP CODE	LAMP QUANTITY	NOTES
A	COOPER	XTOR3B	SURFACE	BLACK	26W LED		1,2
B	JUNO LIGHTING	MD1LWG2-3K-FL-BL	RECESSED	BLACK	5W LED	–	1,2
C	AFX	BMW5171800L30MVBZ	SURFACE WALL	BRONZE	1,800 LUMENS/19W	--	1,2
EM	DUAL LITE	PG-HTR	SURFACE WALL/CEILING	BY ARCHITECT	LED		1,2,5

NOTES LEGEND

1 - PROVIDE WET LOCATION RATED FIXTURE
2 - PROVIDE COLD LOCATION RATED BALLAST
3 - PROVIDE SQUARE STRAIGHT STEEL POLE RATED FOR 100 MPH WIND GUSTS, PRIMED AND PAINTED TO MATCH FIXTURE
4 - PROVIDE ELECTRONIC BALLAST
5 - PROVIDE EMERGENCY BATTERY (MINIMUM OF 1350 LUMENS FROM ONE LAMP FOR 90 MINUTES FOR FLUORESCENT 32WT8 LIGHTS)

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