ARCH E1.30" x 42"

Joe Frogge
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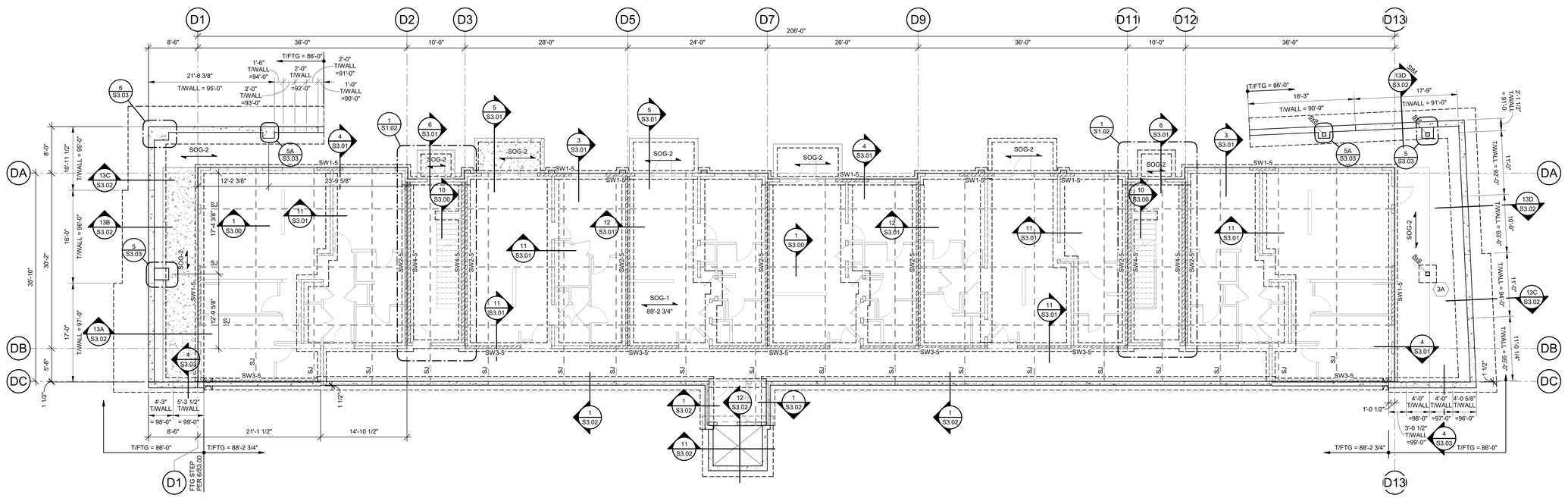

1 BUILDING D - BASEMENT FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION NOTES:

1) REFER TO GENERAL NOTES ON SHEET S0.01.
2) REFER TO CIVIL AND ARCH DRAWING FOR SLAB ELEVATIONS.
3) ELEVATION 100'-0" EQUALS CIVIL DATUM ELEVATION.
4) TOP OF FOOTING ELEVATIONS = 99'-0" U.N.O. ON PLAN.
5) REFER TO FOOTING SCHEDULE ON S0.01.
6) REFER TO ARCH AND MECH DRAWINGS FOR LOCATIONS OF SPOT AND TRENCH DRAINS.
7) REFER TO S3.00-SERIES DRAWINGS FOR TYPICAL FOUNDATION DETAILS.

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A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

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DATE 09.16.2024
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SHEET NAME
BUILDING D - BASEMENT FOUNDATION PLAN
SHEET NO.
S2.40

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ARCH E1 30" x 42"

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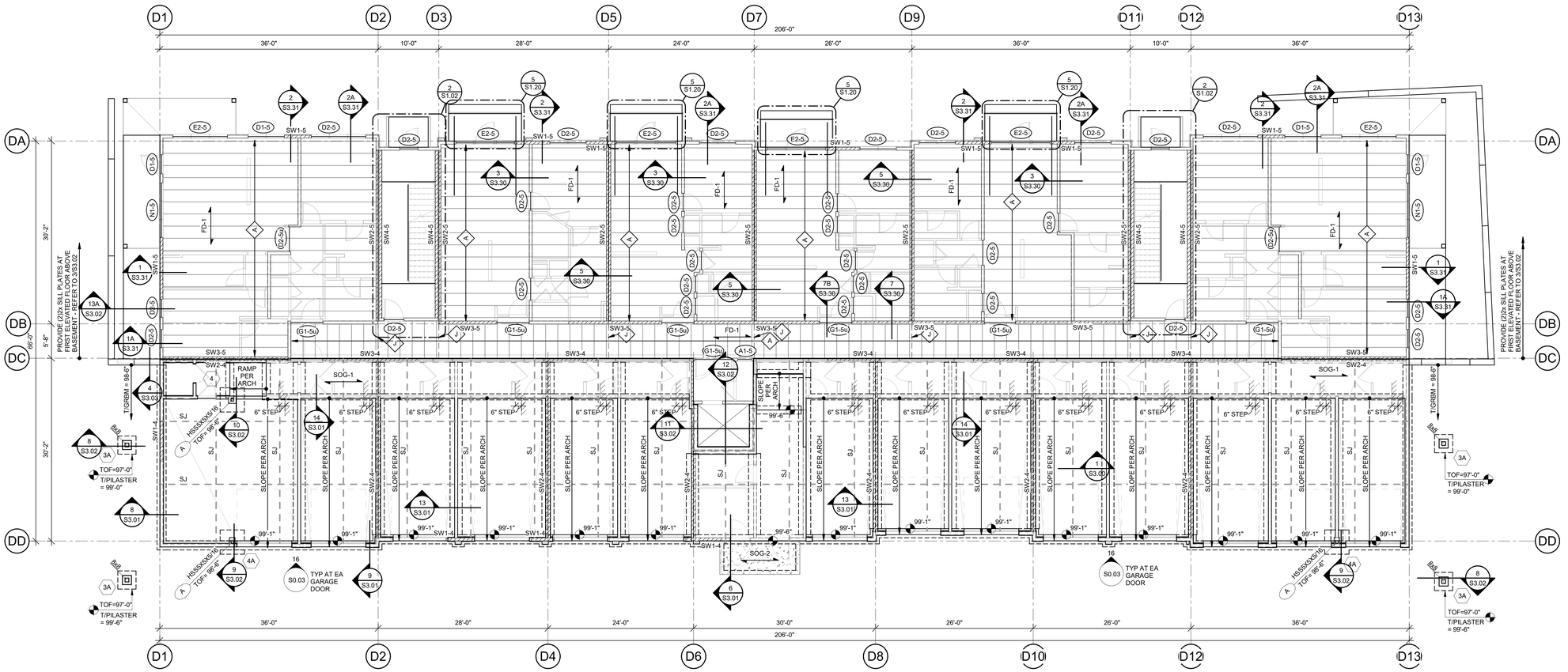

1 BUILDING D - 1ST FLOOR FRAMING & FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION NOTES:
1) REFER TO GENERAL NOTES ON SHEET S0.01.
2) REFER TO CIVIL AND ARCH DRAWING FOR SLAB ELEVATIONS.
3) ELEVATION 100'-0" EQUALS CIVIL DATUM ELEVATION.
4) TOP OF FOOTING ELEVATIONS = 99'-0" U.N.O. ON PLAN.
5) REFER TO FOOTING SCHEDULE ON S0.01.
6) REFER TO ARCH AND MECH DRAWINGS FOR LOCATIONS OF SPOT AND TRENCH DRAINS.
7) REFER TO S3.00-SERIES DRAWINGS FOR TYPICAL FOUNDATION DETAILS.

WOOD FLOOR FRAMING NOTES:
1) REFER TO GENERAL NOTES ON SHEET S0.01
2) REFER TO STUD BEARING WALL SCHEDULE TO SHEET S0.02
3) REFER TO HEADER/BEAM SCHEDULE ON SHEET S0.02
4) REFER TO SHEARWALL SCHEDULE ON SHEET S0.03
5) REFER TO STAIR FRAMING PLANS ON SHEET S2.00
6) REFER TO BALCONY FRAMING PLANS ON SHEET S2.20
7) REFER TO S3.30-SERIES DRAWINGS FOR ADDITONAL FLOOR FRAMING DETAILS NOT INDICATED HERE
8) PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSETS; REFER TO ARCH & MEP DRAWINGS FOR EXACT LOCATIONS
9) ▨ - PUBLIC AREA: DESIGN FOR LL PER GENERAL NOTE 2.B ON S0.01
10) TOP OF STEEL ELEVATION FOR STEEL BEARING ON WOOD MEMBERS SHALL BE FIELD COORDINATED BY THE CONTRACTOR & ARCHITECTURAL ROUGH OPENING SCHEDULE.

STATE OF MISSOURI
CHRISTOPHER A. BEVERLIN
NUMBER PE-2017012520
10.28.24

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LEE'S SUMMIT, MISSOURI

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SHEET NAME
BUILDING D - 1ST FLOOR FRAMING & FDN PLAN
SHEET NO.
S2.41

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ARCH E1.30" x 42"

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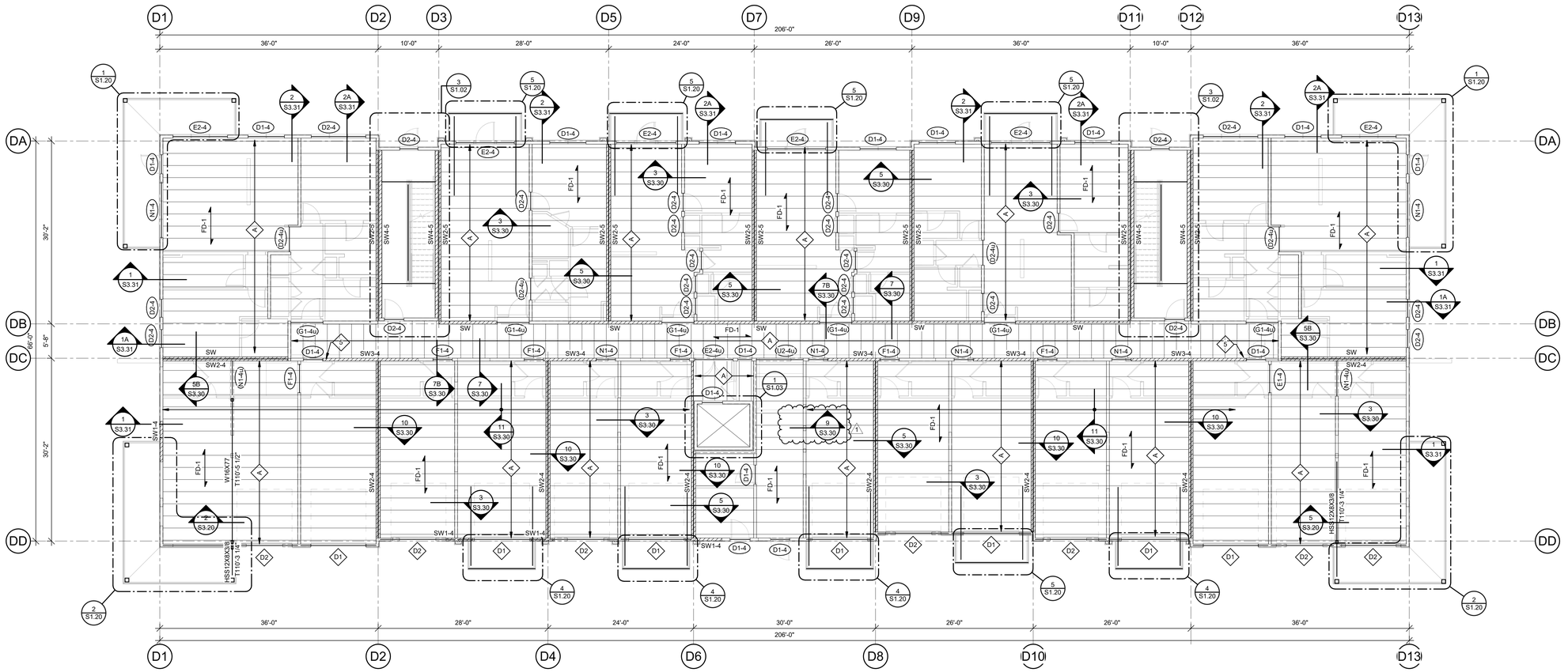

1 BUILDING D - 2ND FLOOR FRAMING PLAN

1/8" = 1'-0"

WOOD FLOOR FRAMING NOTES:

1) REFER TO GENERAL NOTES ON SHEET S0.01
2) REFER TO STUD BEARING WALL SCHEDULE TO SHEET S0.02
3) REFER TO HEADER/BEAM SCHEDULE ON SHEET S0.02
4) REFER TO SHEARWALL SCHEDULE ON SHEET S0.03
5) REFER TO STAIR FRAMING PLANS ON SHEET S2.00
6) REFER TO BALCONY FRAMING PLANS ON SHEET S2.20
7) REFER TO S3.30-SERIES DRAWINGS FOR ADDITONAL FLOOR FRAMING DETAILS NOT INDICATED HERE
8) PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSETS; REFER TO ARCH & MEP DRAWINGS FOR EXACT LOCATIONS
9) ▨ - PUBLIC AREA: DESIGN FOR LL PER GENERAL NOTE 2.B ON S0.01
10) TOP OF STEEL ELEVATION FOR STEEL BEARING ON WOOD MEMBERS SHALL BE FIELD COORDINATED BY THE CONTRACTOR & ARCHITECTURAL ROUGH OPENING SCHEDULE.

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1 10.29.24 City Comments 1

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SHEET NAME
BUILDING D - 2ND FLOOR FRAMING PLAN
SHEET NO.
S2.42

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ARCH E1.30" x 42"

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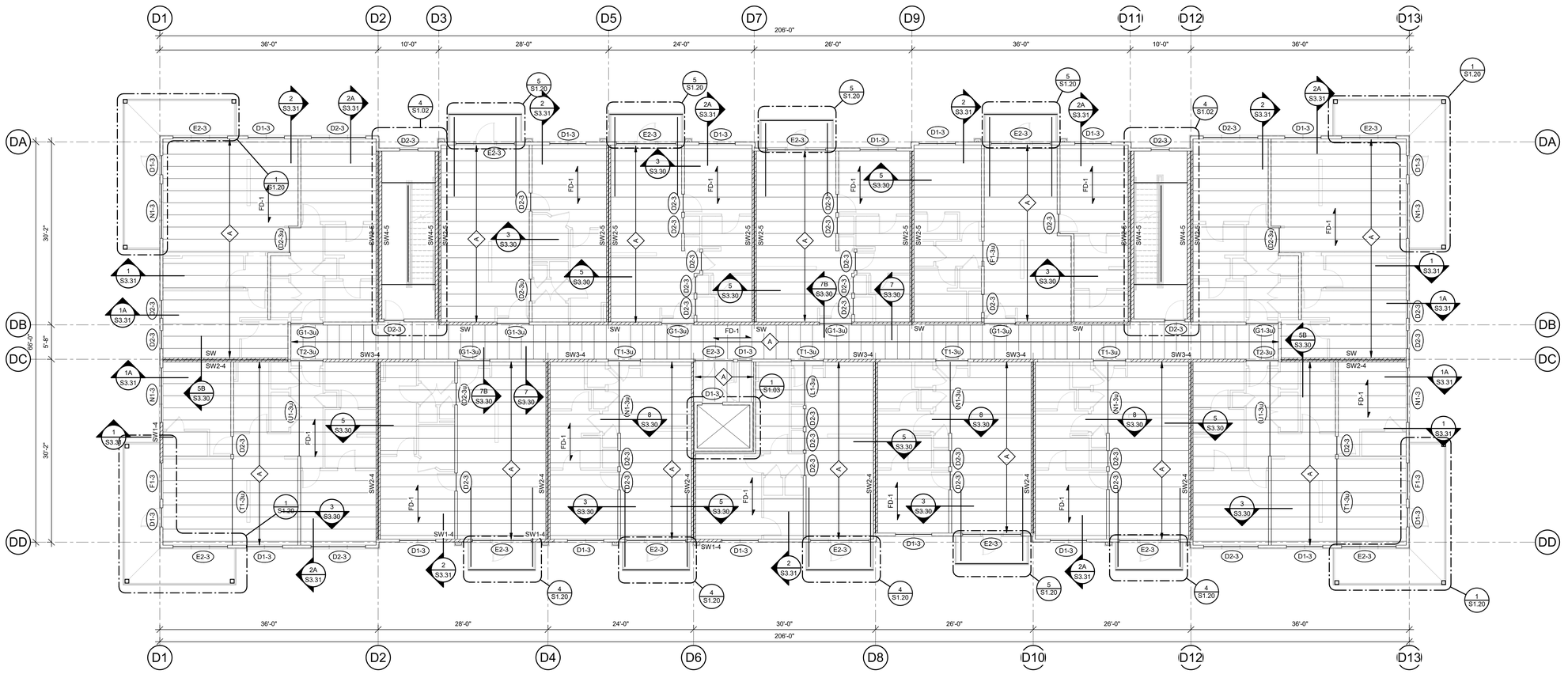

1 BUILDING D - 3RD FLOOR FRAMING PLAN

1/8" = 1'-0"

WOOD FLOOR FRAMING NOTES:

1) REFER TO GENERAL NOTES ON SHEET S0.01
2) REFER TO STUD BEARING WALL SCHEDULE TO SHEET S0.02
3) REFER TO HEADER/BEAM SCHEDULE ON SHEET S0.02
4) REFER TO SHEARWALL SCHEDULE ON SHEET S0.03
5) REFER TO STAIR FRAMING PLANS ON SHEET S2.00
6) REFER TO BALCONY FRAMING PLANS ON SHEET S2.20
7) REFER TO S3.30-SERIES DRAWINGS FOR ADDITONAL FLOOR FRAMING DETAILS NOT INDICATED HERE
8) PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSETS; REFER TO ARCH & MEP DRAWINGS FOR EXACT LOCATIONS
9) ▨ - PUBLIC AREA: DESIGN FOR LL PER GENERAL NOTE 2.B ON S0.01
10) TOP OF STEEL ELEVATION FOR STEEL BEARING ON WOOD MEMBERS SHALL BE FIELD COORDINATED BY THE CONTRACTOR & ARCHITECTURAL ROUGH OPENING SCHEDULE.

STATE OF MISSOURI
CHRISTOPHER A. BEVERLIN
NUMBER PE-2010012520
10.28.24

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SHEET NAME
BUILDING D - 3RD FLOOR FRAMING PLAN
SHEET NO.
S2.43

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ARCH E1.30" x 42"

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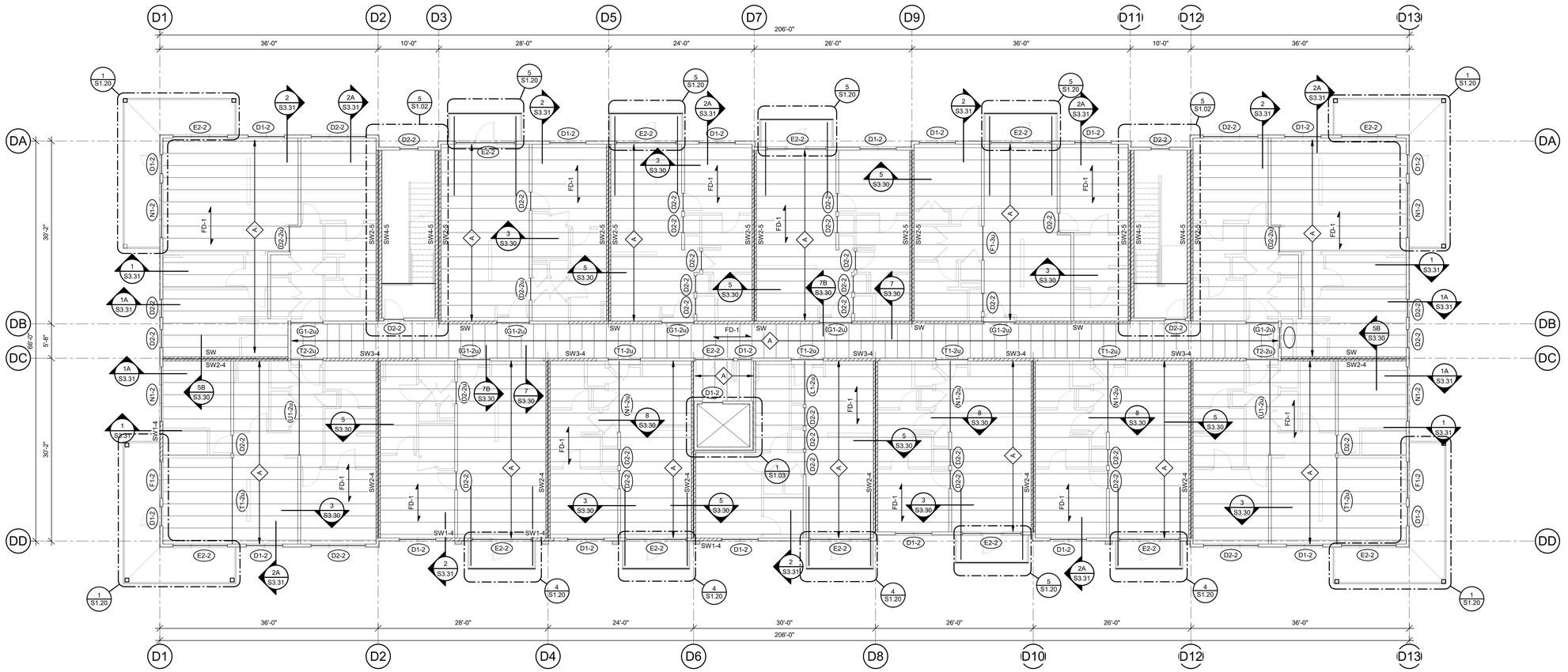

1 BUILDING D - 4TH FLOOR FRAMING PLAN

1/8" = 1'-0"

WOOD FLOOR FRAMING NOTES:

1) REFER TO GENERAL NOTES ON SHEET S0.01
2) REFER TO STUD BEARING WALL SCHEDULE TO SHEET S0.02
3) REFER TO HEADER/BEAM SCHEDULE ON SHEET S0.02
4) REFER TO SHEARWALL SCHEDULE ON SHEET S0.03
5) REFER TO STAIR FRAMING PLANS ON SHEET S2.00
6) REFER TO BALCONY FRAMING PLANS ON SHEET S2.20
7) REFER TO S3.30-SERIES DRAWINGS FOR ADDITONAL FLOOR FRAMING DETAILS NOT INDICATED HERE
8) PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSETS; REFER TO ARCH & MEP DRAWINGS FOR EXACT LOCATIONS
9) [ ] - PUBLIC AREA: DESIGN FOR LL PER GENERAL NOTE 2.B ON S0.01
10) TOP OF STEEL ELEVATION FOR STEEL BEARING ON WOOD MEMBERS SHALL BE FIELD COORDINATED BY THE CONTRACTOR & ARCHITECTURAL ROUGH OPENING SCHEDULE.

STATE OF MISSOURI
CHRISTOPHER A. BEVERLIN
NUMBER PE-2010012520
10.28.24

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SHEET NAME
BUILDING D - 4TH FLOOR FRAMING PLAN
SHEET NO.
S2.44

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ARCH E1 30" x 42"

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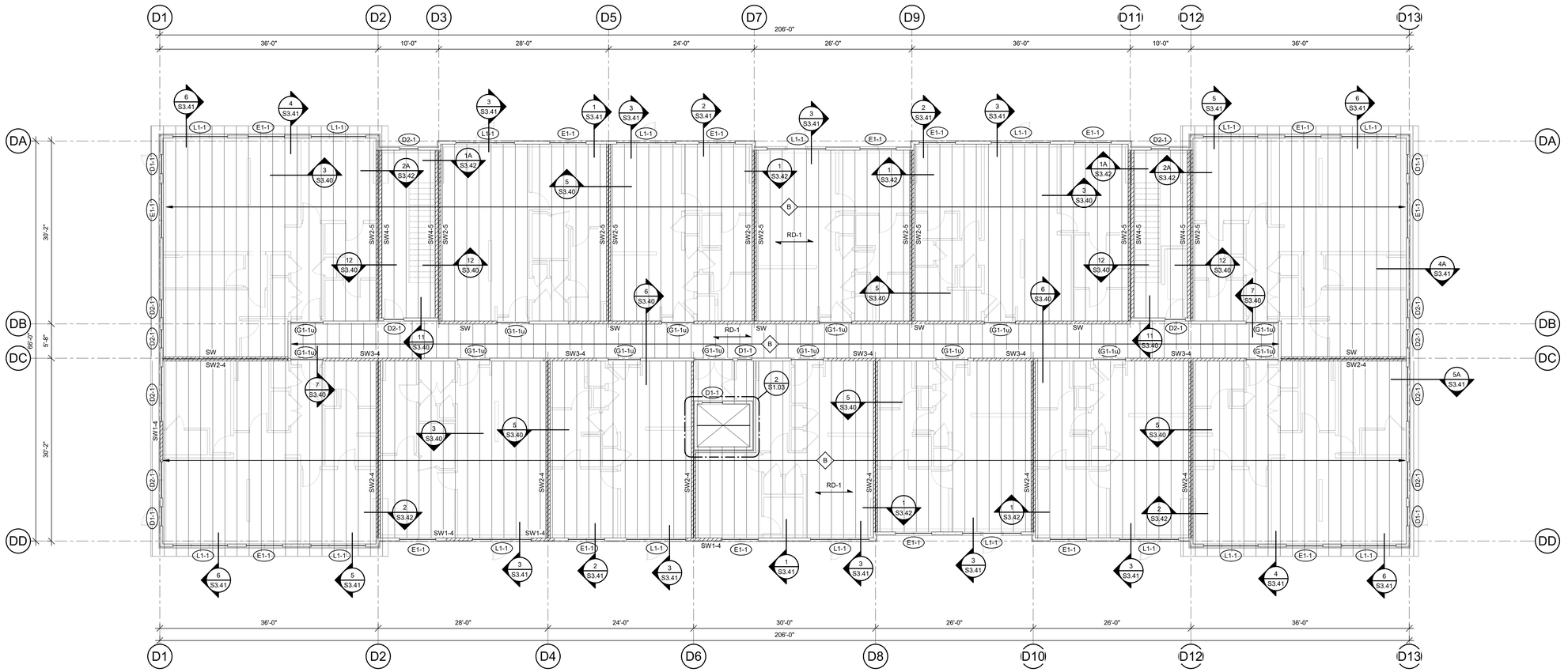

1 BUILDING D - ROOF FRAMING PLAN

1/8" = 1'-0"

WOOD ROOF FRAMING NOTES:

1) REFER TO GENERAL NOTES ON SHEET S0.01
2) REFER TO STUD BEARING WALL SCHEDULE TO SHEET S0.02
3) REFER TO HEADER/BEAM SCHEDULE ON SHEET S0.02
4) REFER TO SHEARWALL SCHEDULE ON SHEET S0.03
5) PROVIDE (3) STUD (MINIMUM) ALIGNED UNDER EACH END OF GIRDER TRUSS (CONTINUOUS FOUNDATION) - FINAL QUANTITY TO MATCH NUMBER OF PLIES OF GIRDER TRUSS. PROVIDE SIMPSON LGT-STYLE HOLDOWN AT EACH END OF GIRDER TRUSS.
6) REFER TO S3.40-SERIES DRAWINGS FOR ADDITIONAL ROOF FRAMING DETAILS NOT INDICATED HERE.
7) PROVIDE UNIFORM UPLIFT SCREWS AT UPPER FLOOR PER DETAILS 2, 2A, 3, 3A, 3B, 4 AND 5 ON SHEET S0.20.
8) PRE-ENGINEERED TRUSSES TO HAVE A MINIMUM DEPTH OF 24". SLOPE TOP CHORD PER ARCHITECTUAL DRAWINGS.
9) ▨ - INDICATES AREA ON ROOF THAT IS REQ'D TO BE DESIGNED FOR MEP EQUIPMENT ZONE PER GENERAL NOTE "2.B" ON SHEET S0.01.
10) TOP OF STEEL ELEVATION FOR STEEL BEARING ON WOOD MEMBERS SHALL BE FIELD COORDINATED BY THE CONTRACTOR & ARCHITECTURAL ROUGH OPENING SCHEDULE.

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SHEET NAME
BUILDING D - ROOF FRAMING PLAN
SHEET NO.
S2.45

10/28/2024 6:08:39 PM

ARCH E1.30" x 42"

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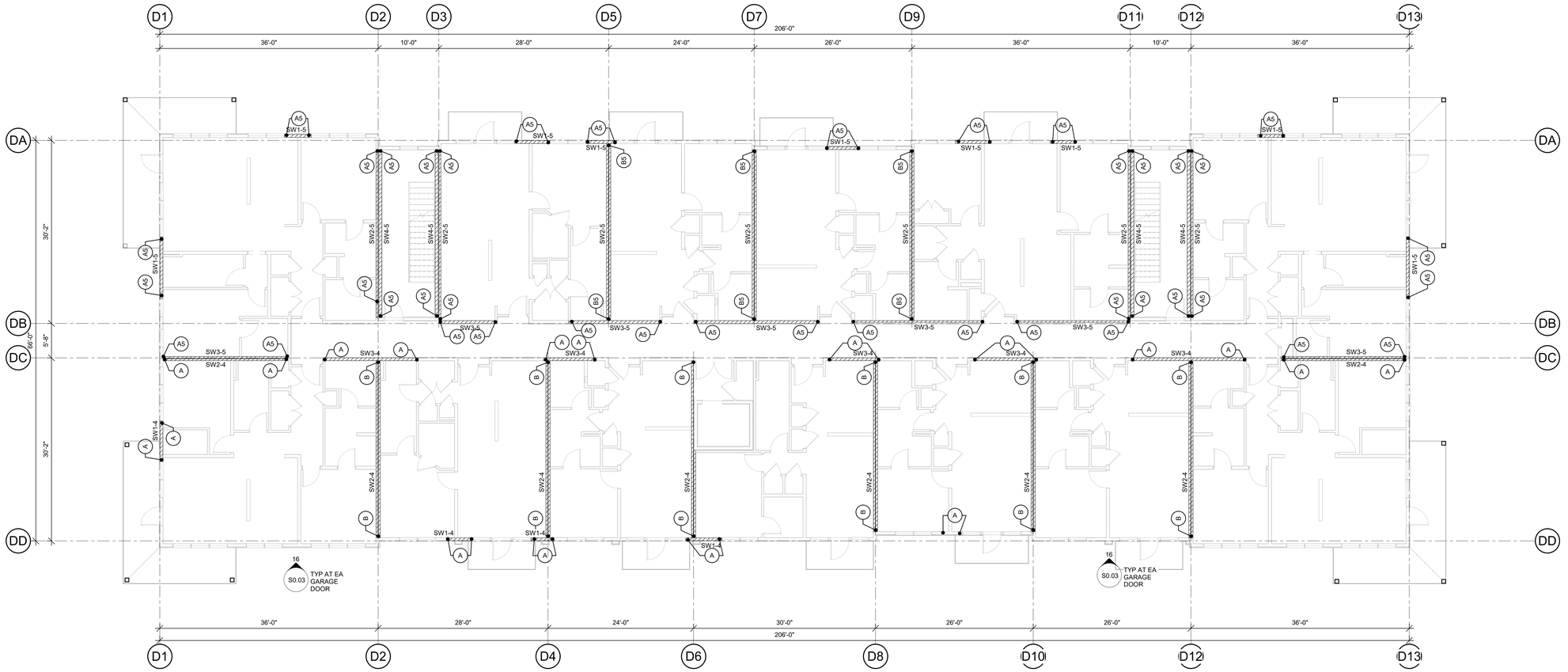
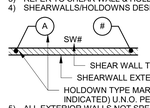


1 BUILDING D - SHEARWALL PLAN

1/8" = 1'-0"

SHEARWALL NOTES:

1) REFER TO GENERAL NOTES ON SHEET S0.01.
2) REFER TO COLUMN AND STUD BEARING WALL SCHEDULES ON SHEET S0.02.
3) REFER TO SHEAR WALL & HOLDOWN SCHEDULES ON SHEET S0.03.
4) SHEARWALLS/HOLDOWNS DESIGNATED AS FOLLOWS:



5) ALL EXTERIOR WALLS NOT SPECIFICALLY DESIGNATED AS A STRUCTURAL SHEARWALL SHALL BE SHEATHED w/ 7/16" OSB w/ 8d NAILS @ 6"oc EDGES @ 12"oc FIELD.
6) REFER TO DETAILS 15 THRU 15D ON S0.20 FOR SILL PLATE AND RIM BOARD ATTACHMENT AT EXTENTS OF SHEARWALLS.

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SHEET NAME
BUILDING D - SHEARWALL PLAN
SHEET NO.
S2.46

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ARCH E1 30" x 42"

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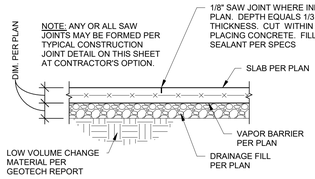
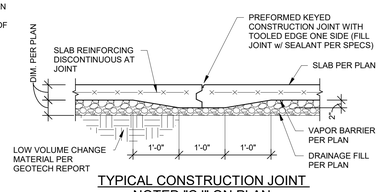


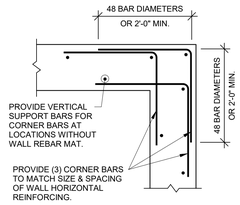
TYPICAL SAW JOINT
NOTED "SJ" ON PLAN

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

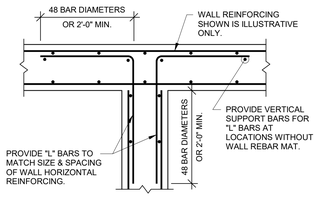


TYPICAL CONSTRUCTION JOINT
NOTED "CJ" ON PLAN

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

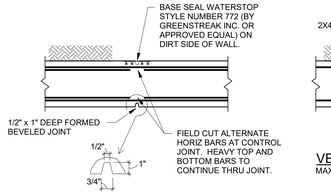


TYPICAL CORNER BARS AT
CONCRETE WALLS & FOUNDATIONS

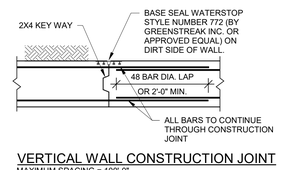


TYPICAL T-INTERSECTION REINFORCING
AT CONCRETE WALLS & FOUNDATIONS

3 TYPICAL INTERSECTING CONCRETE WALL REINFORCING
3/4" = 1'-0"

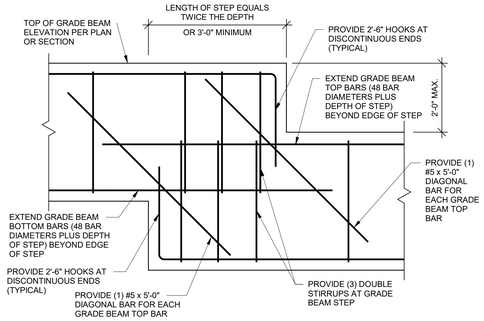


VERTICAL WALL CONTROL JOINT
MAXIMUM SPACING = 25'-0"
(COORDINATE LOCATIONS WITH ARCHITECT/ALIGN WITH MASONRY CONTROL/EXPANSION JOINTS ABOVE)

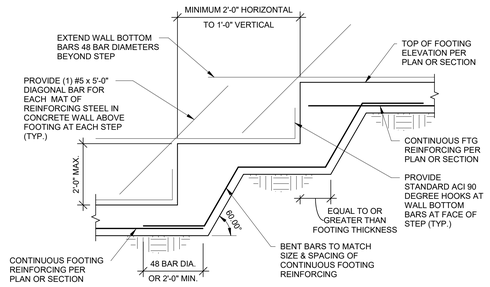


VERTICAL WALL CONSTRUCTION JOINT
MAXIMUM SPACING = 100'-0"

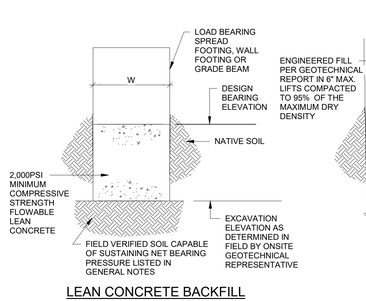
4 VERTICAL WALL CONTROL JOINT
3/4" = 1'-0"



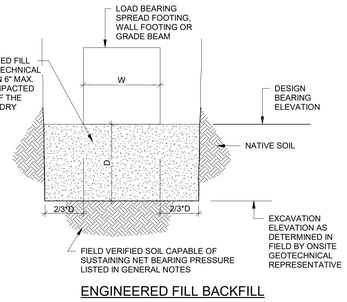
5 TYPICAL GRADE BEAM STEP
3/4" = 1'-0"



6 TYPICAL FOOTING STEP
1/2" = 1'-0"

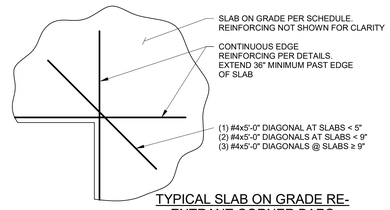


LEAN CONCRETE BACKFILL



ENGINEERED FILL BACKFILL

7 OVEREXCAVATION DETAIL
3/4" = 1'-0"



TYPICAL SLAB ON GRADE RE-
ENTRANT CORNER BARS

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

TYPICAL STEP @ GRADE BEAM
TO STRIP FOOTING

9A SECTION
3/4" = 1'-0"

TYPICAL STEP @ GRADE BEAM TO
STRIP FOOTING

9B SECTION
3/4" = 1'-0"

TYPICAL THICKENED SLAB AT BASE OF STAIR

10 SECTION
3/4" = 1'-0"

TYPICAL SPREAD FTG AT
CONTINUOUS THICKENED SLAB

11 SECTION
3/4" = 1'-0"

TOP OF RAMP

BOTTOM OF RAMP

12 SECTION
3/4" = 1'-0"

TYPICAL GRADE BEAM SLEEVE

13 SECTION
3/4" = 1'-0"

TYPICAL PLUMBING SLEEVE AT THICKENED SLAB

14 SECTION
3/4" = 1'-0"

TYPICAL PLUMBING RISER THRU THICKENED SLAB

15 SECTION
3/4" = 1'-0"

TYPICAL LIGHT POLE BASE

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

GRADE BEAM TO CONCRETE
FOUNDATION WALL CONNECTION

STRIP FOOTING TO CONCRETE
FOUNDATION WALL CONNECTION

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

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• 09.10.24 PERMIT SET

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JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
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SHEET NAME
FOUNDATION SECTIONS

SHEET NO.
S3.00

10/28/2024 6:08:43 PM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
10/16/24
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Lee's Summit, Missouri

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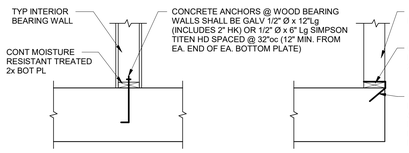
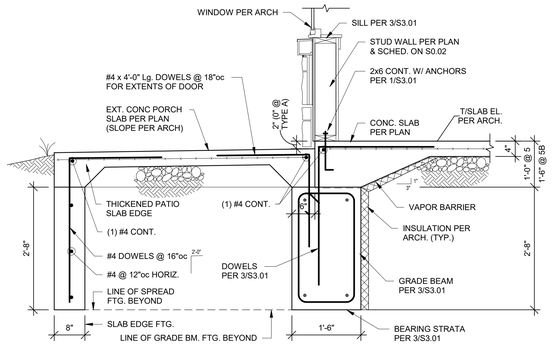


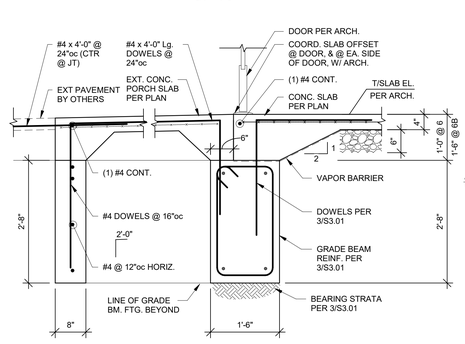
NOTES:
1. ALL BOTT PL'S TO HAVE TWO ANCHORS MIN.
2. RE: SHEARWALL SCHED ON S0.03 FOR ANCHORS @ SHEARWALLS.
3. RE: 1A/S3.01 FOR DETAIL AT JAMB.
4. RE: 1B/S3.01 FOR DETAIL AT SHORT BOTT , SEGMENTS/JAMBS (WHERE OCCURS).

TYPICAL BOTT. PL CONNECTION TO CONCRETE

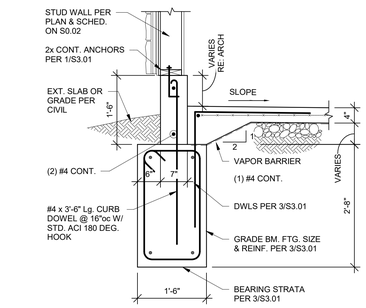
1 SECTION
3/4" = 1'-0"



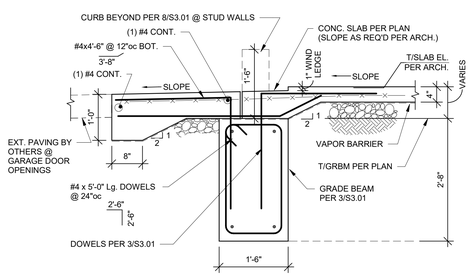
5, 5B SECTION
3/4" = 1'-0"



6, 6B SECTION
3/4" = 1'-0"

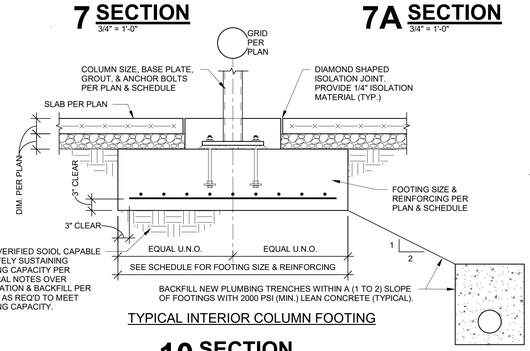


8 SECTION
3/4" = 1'-0"



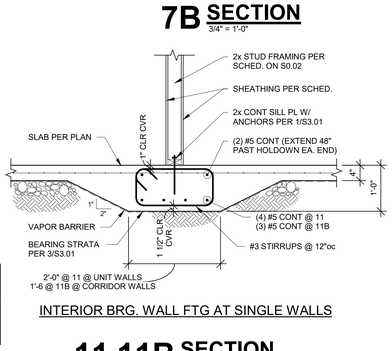
TYP. SECTION AT DOORS/GARAGE DOORS

9 SECTION
3/4" = 1'-0"



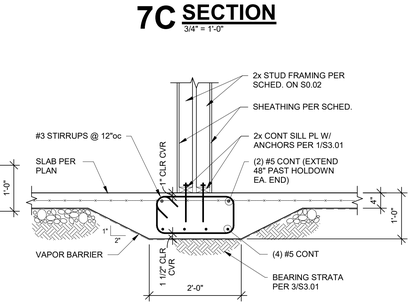
TYPICAL INTERIOR COLUMN FOOTING

10 SECTION
3/4" = 1'-0"



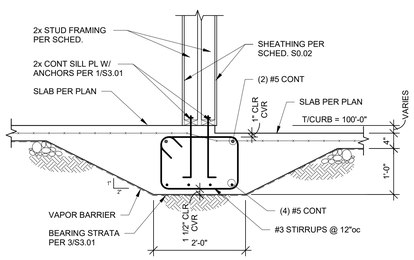
INTERIOR BRG. WALL FTG AT SINGLE WALLS

11,11B SECTION
3/4" = 1'-0"



INTERIOR BRG. WALL FTG AT DBL WALLS

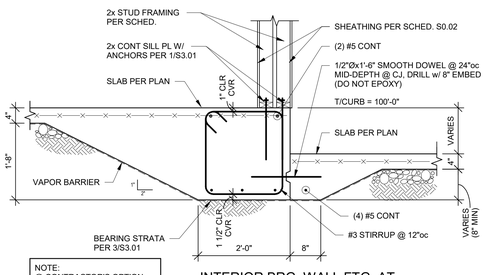
12 SECTION
3/4" = 1'-0"



INTERIOR BRG. WALL FTG. AT GARAGE/LIVING SPACE SEPARATIONS

NOTE:
@ CONTRACTOR'S OPTION, A CONSTRUCTION JOINT CAN BE PROVIDED PER DETAIL 12C/S3.01

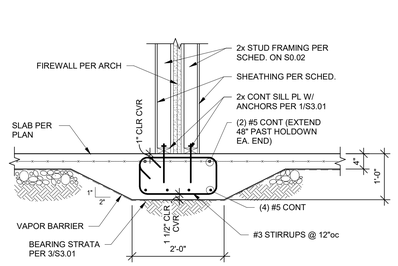
12B SECTION
3/4" = 1'-0"



NOTE:
@ CONTRACTOR'S OPTION, THICKENED SLAB & STEP CAN BE POURED MONOLITHIC PER DETAIL 12B/S3.01

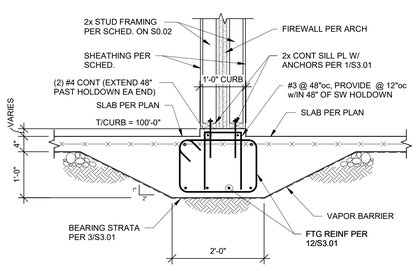
INTERIOR BRG. WALL FTG. AT GARAGE/LIVING SPACE SEPARATIONS

12C SECTION
3/4" = 1'-0"



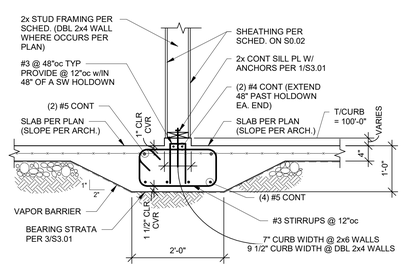
INTERIOR BRG. WALL FTG AT FIREWALL

12D SECTION
3/4" = 1'-0"



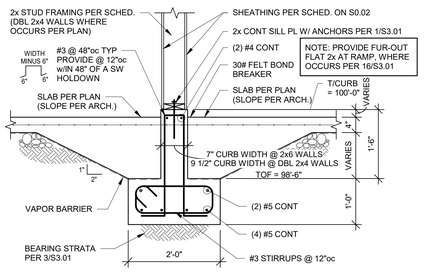
INTERIOR BRG. WALL FTG. AT DBL WALLS

12E SECTION
3/4" = 1'-0"



INTERIOR BRG. WALL FTG AT GARAGE WALLS

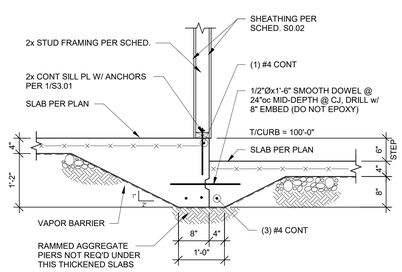
13 SECTION
3/4" = 1'-0"



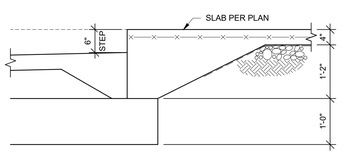
NOTE: PROVIDE FUR-OUT FLAT 2x AT RAMP, WHERE OCCURS PER 16/S3.01

INTERIOR BRG. WALL FTG AT GARAGE WALLS WITH OPTIONAL CONSTRUCTION JOINT

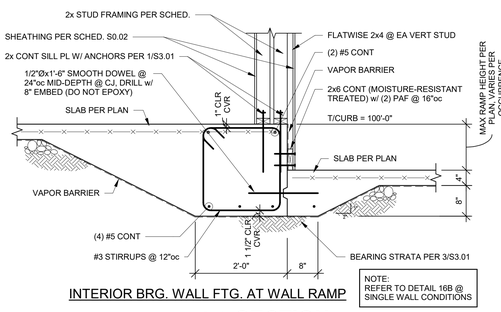
13B,13C SECTION
3/4" = 1'-0"



14 SECTION
3/4" = 1'-0"



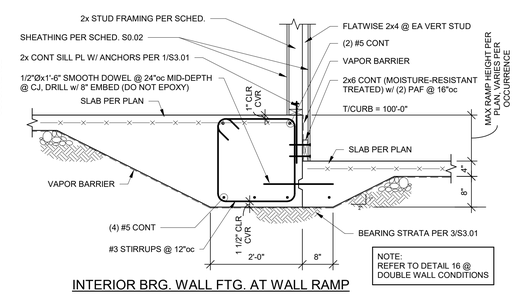
15 SECTION
3/4" = 1'-0"



NOTE:
REFER TO DETAIL 16B @ SINGLE WALL CONDITIONS

INTERIOR BRG. WALL FTG. AT WALL RAMP

16 SECTION
3/4" = 1'-0"



NOTE:
REFER TO DETAIL 16 @ DOUBLE WALL CONDITIONS

INTERIOR BRG. WALL FTG. AT WALL RAMP

16B SECTION
3/4" = 1'-0"

△REVISIONS

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
PERMIT SET

SHEET NAME
FOUNDATION SECTIONS

SHEET NO.
S3.01

10/28/2024 6:08:46 PM

ARCH E1 30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/29/24

nspjw ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207
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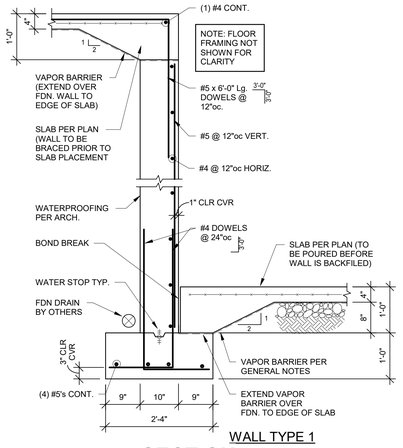
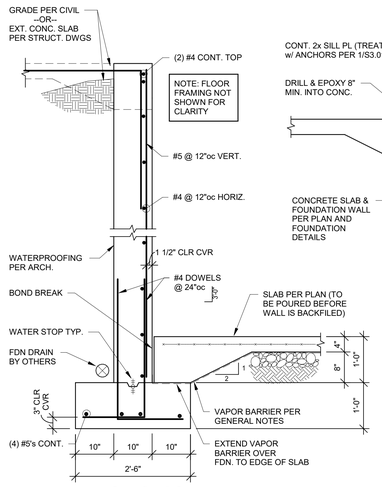
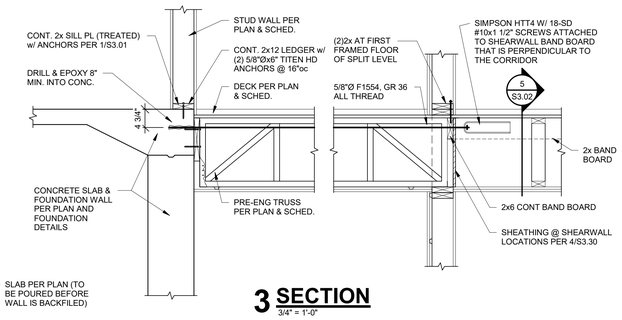


WALL TYPE 1

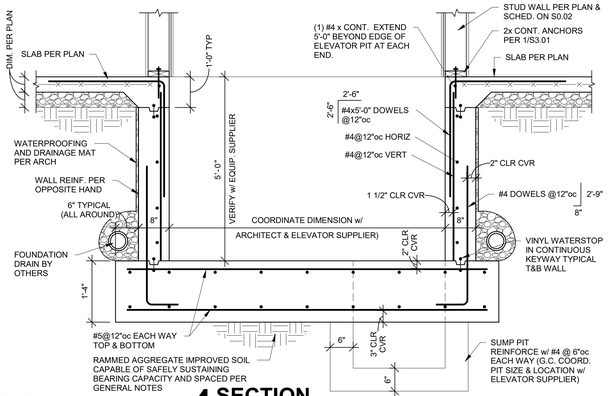
1 SECTION
3/4" = 1'-0"



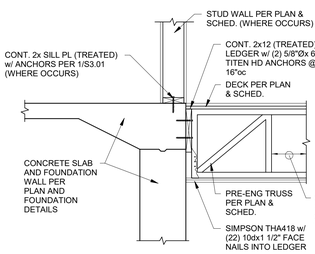
2 SECTION
3/4" = 1'-0"



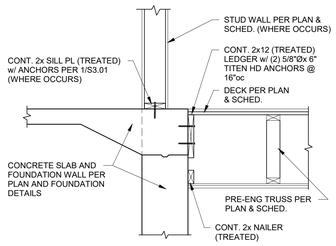
3 SECTION
3/4" = 1'-0"



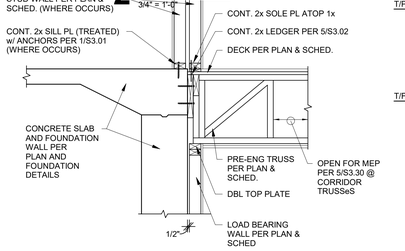
4 SECTION
3/4" = 1'-0"



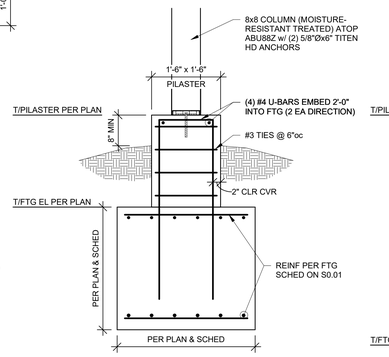
5 SECTION
3/4" = 1'-0"



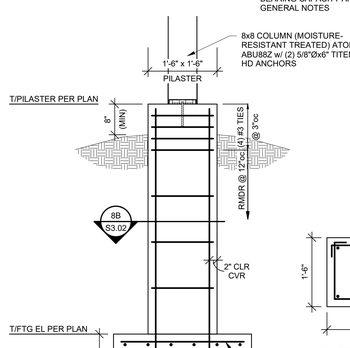
6 SECTION
3/4" = 1'-0"

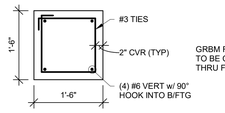


7 SECTION
3/4" = 1'-0"

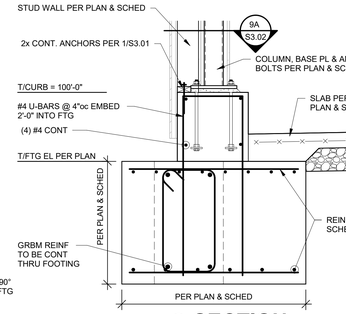


8 SECTION
3/4" = 1'-0"

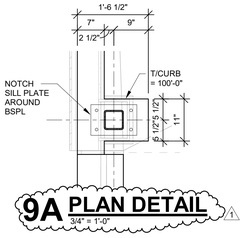




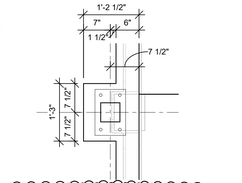
8B DETAIL
3/4" = 1'-0"



9 SECTION
3/4" = 1'-0"

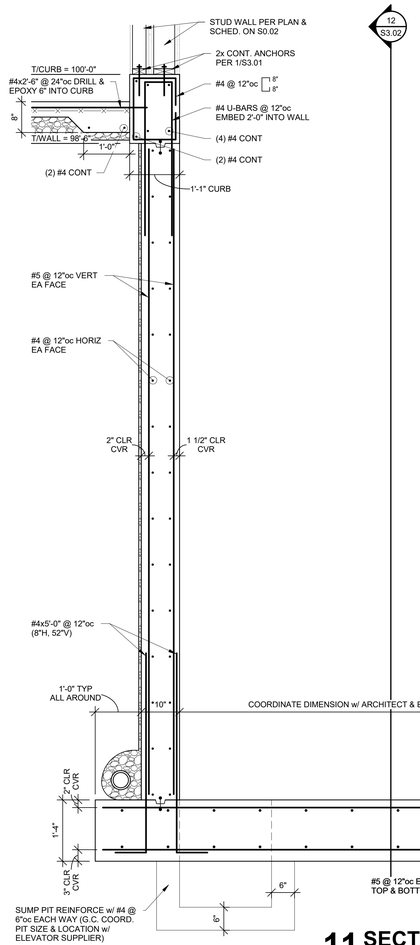


9A PLAN DETAIL
3/4" = 1'-0"

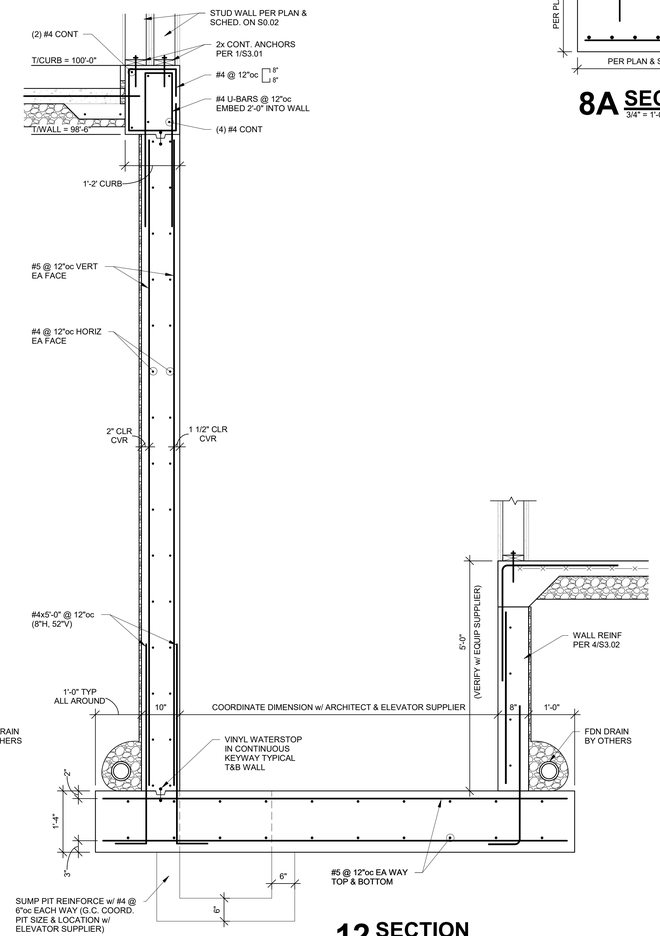


10A PLAN DETAIL
3/4" = 1'-0"

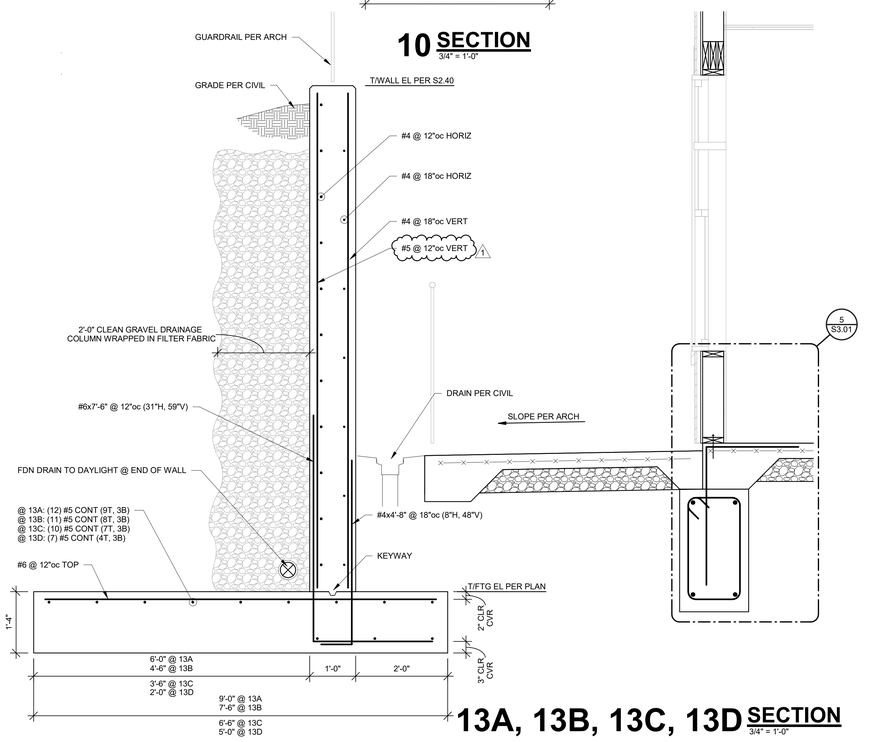
10 SECTION
3/4" = 1'-0"



11 SECTION
3/4" = 1'-0"



12 SECTION
3/4" = 1'-0"



13A, 13B, 13C, 13D SECTION
3/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△ REVISIONS
1 10.29.24 City Comments 1

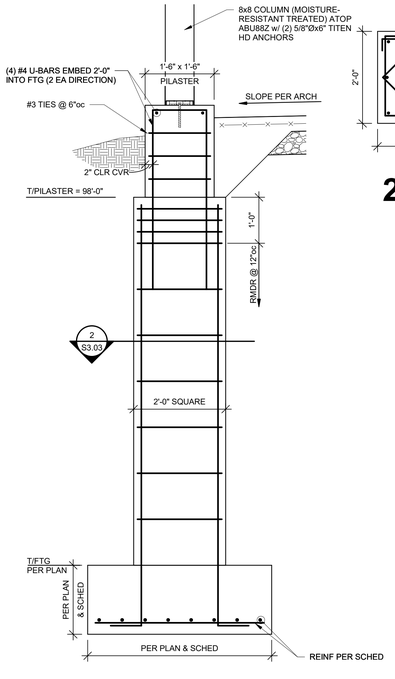
JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
PERMIT SET

SHEET NAME
FOUNDATION SECTIONS

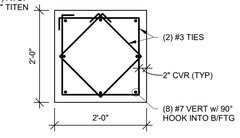
SHEET NO.
S3.02

10/29/2024 6:08:48 PM

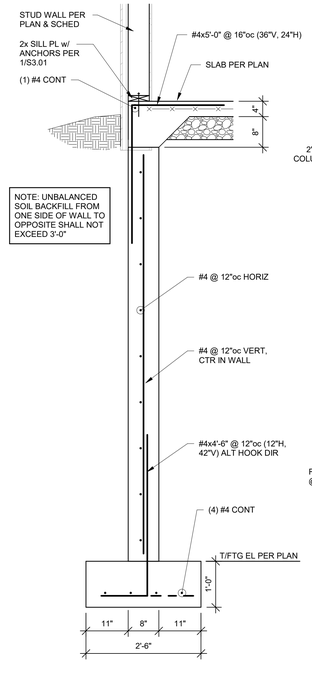
ARCH E1 30" x 42"



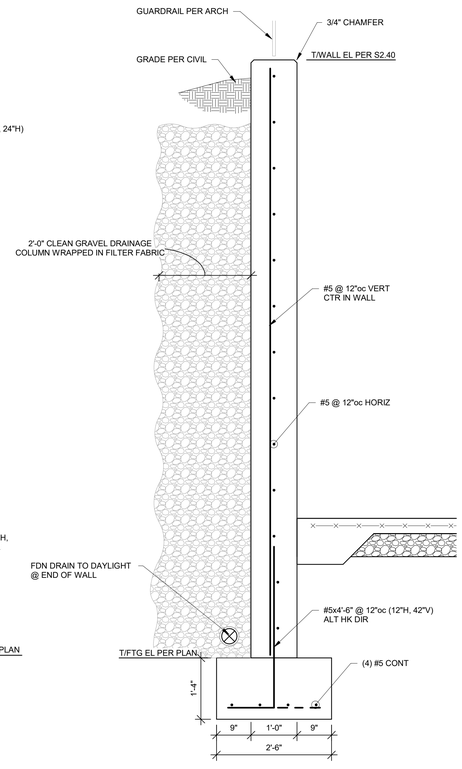
1 SECTION
3/4" = 1'-0"



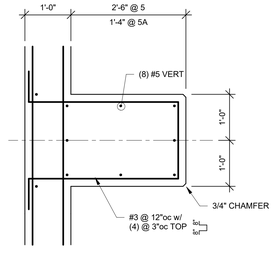
2 DETAIL
3/4" = 1'-0"



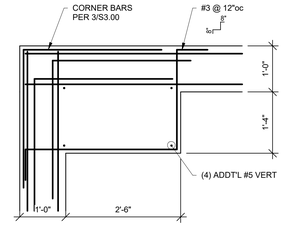
3 SECTION
3/4" = 1'-0"



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



5, 5A PLAN DETAIL
3/4" = 1'-0"



6 PLAN DETAIL
3/4" = 1'-0"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/11/2024

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS,66207
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A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△ REVISIONS

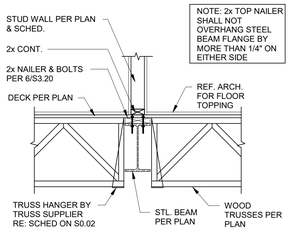
JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
PERMIT SET

SHEET NAME
FOUNDATION SECTIONS

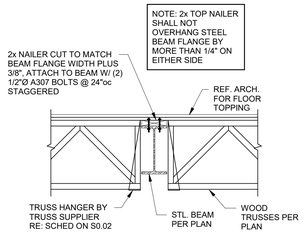
SHEET NO.
S3.03

10/29/2024 6:08:49 PM

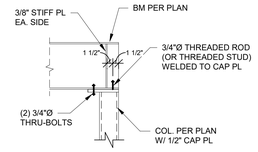
ARCH E1.30" x 42"



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



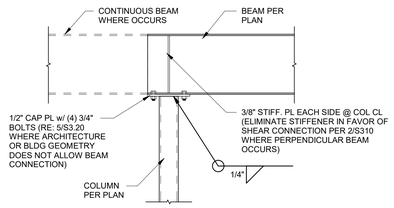
2 SECTION
3/4" = 1'-0"



TYPICAL BEAM TO COLUMN CONNECTION @ DISCONTINOUS BEAMS

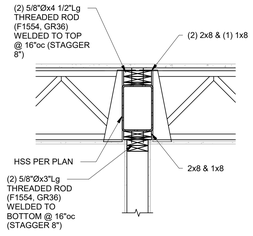
3 SECTION
3/4" = 1'-0"

NOTE: WOOD FRAMING NOT SHOWN FOR CLARITY



TYPICAL BEAM TO COLUMN CONNECTION

4 DETAIL
3/4" = 1'-0"



5 SECTION
3/4" = 1'-0"

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As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/11/2024

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STATE OF MISSOURI
CHRISTOPHER A. BEVERLIN
NUMBER PE-2017012520
10.29.24
PROFESSIONAL ENGINEER

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
PERMIT SET

SHEET NAME
STEEL FRAMING SECTIONS

SHEET NO.
S3.20

10/29/2024 6:08:50 PM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
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Development Services Department
Lee's Summit, Missouri
10/28/24

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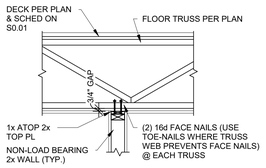
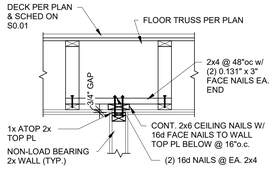


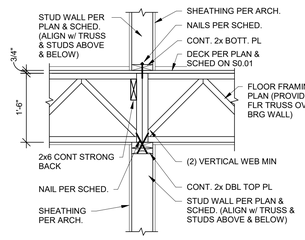
TYPICAL NON-LOAD BEARING WALL @ FLOOR TRUSS

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

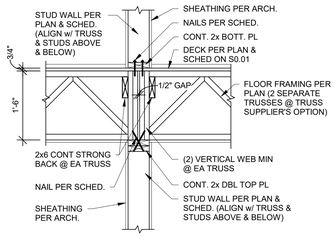


TYPICAL NON-LOAD BEARING WALL @ FLOOR TRUSS

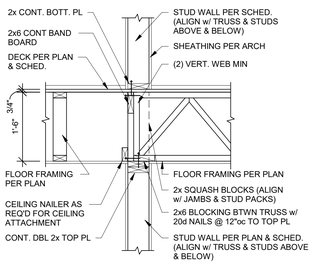
2 SECTION
3/4" = 1'-0"



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



3B SECTION
3/4" = 1'-0"



4 SECTION
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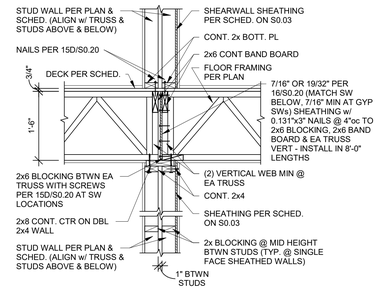
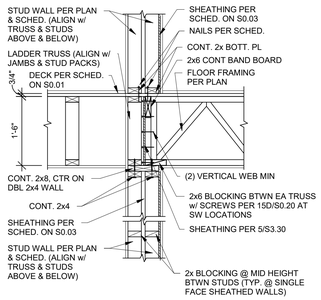
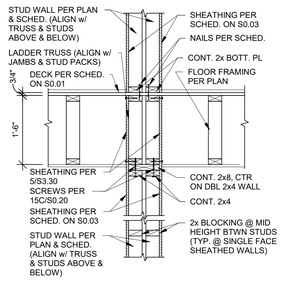


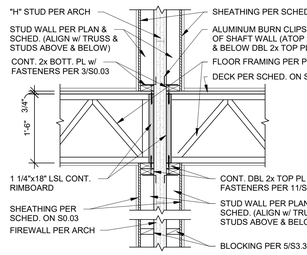
5 SECTION
3/4" = 1'-0"



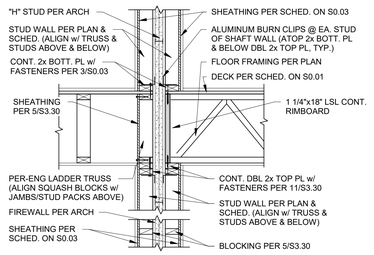
5A SECTION
3/4" = 1'-0"



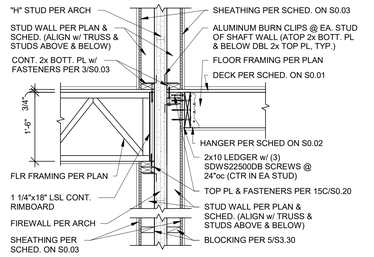
5B SECTION
3/4" = 1'-0"



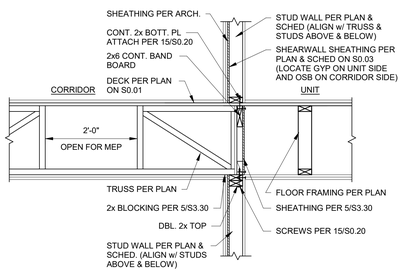
6 SECTION
3/4" = 1'-0"



6A SECTION
3/4" = 1'-0"



6B SECTION
3/4" = 1'-0"



7 SECTION
3/4" = 1'-0"

7A SECTION
3/4" = 1'-0"

7B SECTION
3/4" = 1'-0"

7C SECTION
3/4" = 1'-0"

NOTE: RE: 8B/S3.10 WHERE UPSET BM IS FULL HEIGHT OF FLR TRUSS OR TOP CHORD BEARING TRUSS IS NOT USED.

TYPICAL SHALLOW UPSET BEAM

8 SECTION
3/4" = 1'-0"

TYPICAL SHALLOW UPSET BEAM SUPPORTING BEARING WALL

8A SECTION
3/4" = 1'-0"

TYPICAL FULL DEPTH UPSET BEAM

8B SECTION
3/4" = 1'-0"

TYPICAL UPSET BEAM BEARING

8C SECTION
3/4" = 1'-0"

9 SECTION
3/4" = 1'-0"

9A SECTION
3/4" = 1'-0"

10 SECTION
3/4" = 1'-0"

11 SECTION
3/4" = 1'-0"

12 SECTION
3/4" = 1'-0"

13 SECTION
3/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

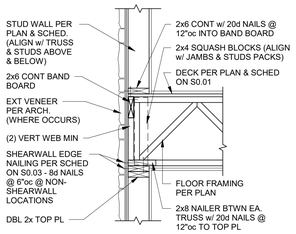
REVISIONS
1 10.29.24 City Comments 1

JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
PERMIT SET

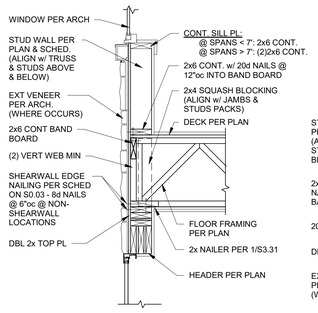
SHEET NAME
WOOD FLOOR FRAMING SECTIONS
SHEET NO.
S3.30

10/28/2024 8:08:52 PM

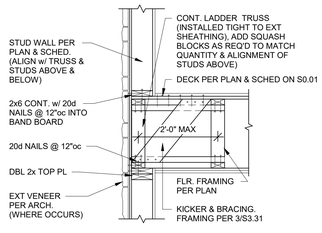
ARCH E1.30" x 42"



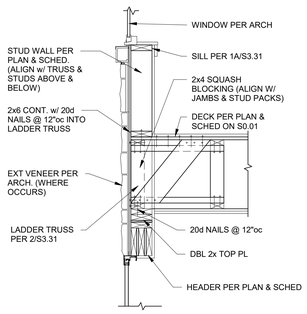
1 SECTION
3/4" = 1'-0"



1A SECTION
3/4" = 1'-0"



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



2A SECTION
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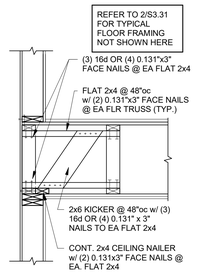

TYPICAL KICKER & BRACING FRAMING DETAIL

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

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STATE OF MISSOURI
CHRISTOPHER A. BEVERLIN
NUMBER PE-2017012530
10.24.24
PROFESSIONAL ENGINEER

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

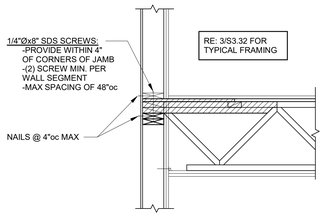
△ REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
PERMIT SET

SHEET NAME
WOOD FLOOR FRAMING SECTIONS
SHEET NO.
S3.31

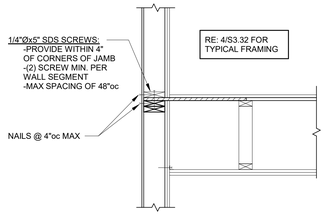
10/29/2024 6:08:52 PM

ARCH E1.30" x 42"



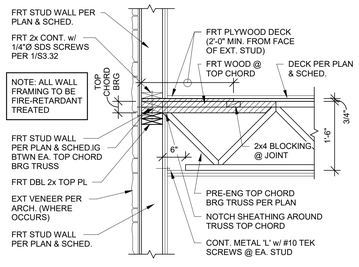
TYPICAL NAILING @
EXTERIOR FRT WALL,
TRUSSES PERPENDICULAR

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

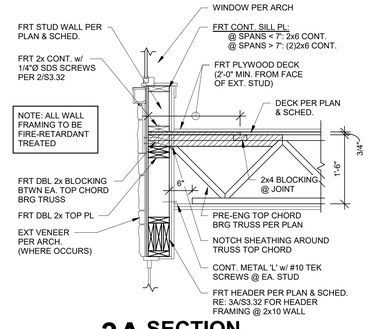


TYPICAL NAILING @
EXTERIOR FRT WALL,
TRUSSES PARALLEL

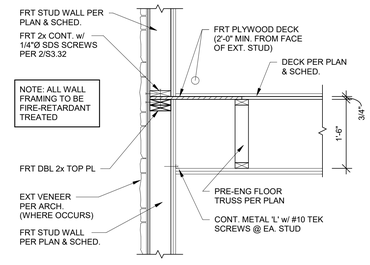
2 SECTION
3/4" = 1'-0"



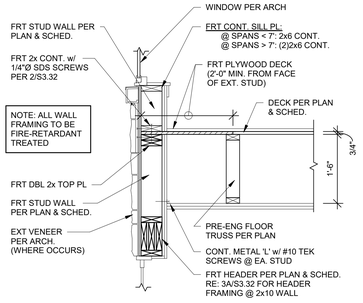
3 SECTION
3/4" = 1'-0"



3A SECTION
3/4" = 1'-0"



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



4A SECTION
3/4" = 1'-0"

5 SECTION
3/4" = 1'-0"

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EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
PERMIT SET

SHEET NAME
WOOD FLOOR FRAMING SECTIONS
SHEET NO.
S3.32

10/29/2024 6:08:53 PM

ARCH E1 30" x 42"

RELEASED FOR CONSTRUCTION
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10/28/24
Development Services Department
Lee's Summit, Missouri

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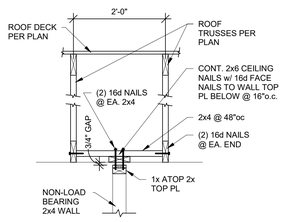
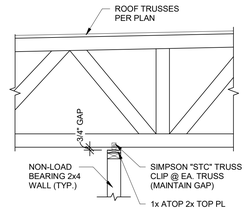


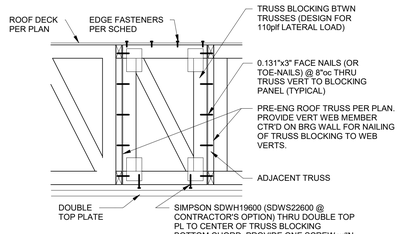
TYPICAL NON-LOAD BEARING WALL/TRUSS AT ROOF

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



TYPICAL NON-LOAD BEARING WALL/TRUSS AT ROOF

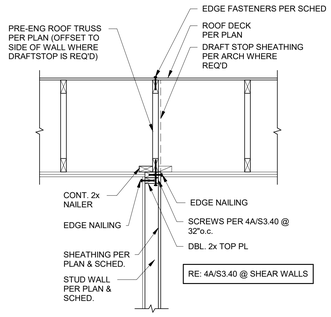
1A SECTION 3/4" = 1'-0"



NOTES:
1. PROVIDE TRUSS BLOCKING @ ROOF LEVEL ATOP ALL SHEARWALLS WHEN A CONTINUOUS SHEAR/GIRDER TRUSS IS NOT USED.
2. TRUSS BLOCK MAY CONBSIT OF A FRAMED WOOD STRUCTURAL PANEL OR PREFAB TRUSS BLOCK.
3. TRUSS MANUFACTURER TO DESIGN PREFAB TRUSS BLOCK.

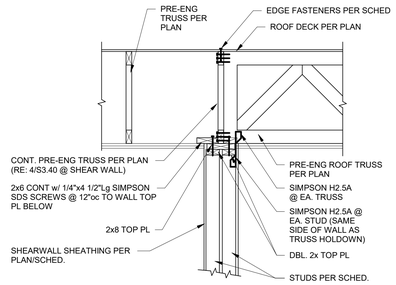
TYPICAL ROOF TRUSS BLOCKING AT SHEARWALLS

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



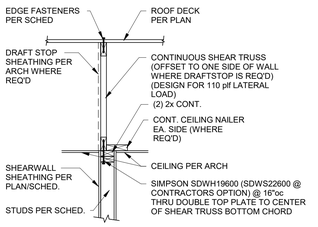
TYP. ROOF TRUSS PARALLEL W/ WALL

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



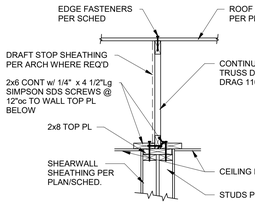
TYP. INTERSECTING ROOF TRUSSES @ BRG. WALL

3A SECTION 3/4" = 1'-0"



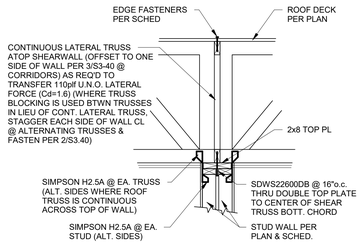
TYPICAL LATERAL TRUSS ATOP PARALLEL SHEARWALL

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



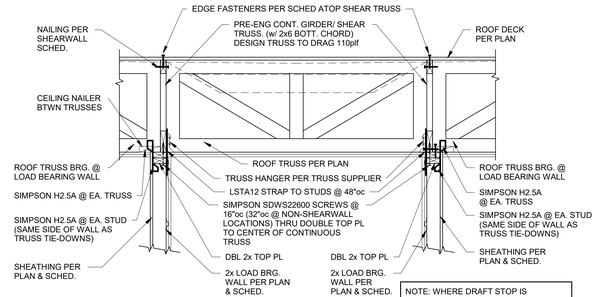
TYPICAL SHEAR TRUSS ATOP SHEARWALL

5 SECTION 3/4" = 1'-0"



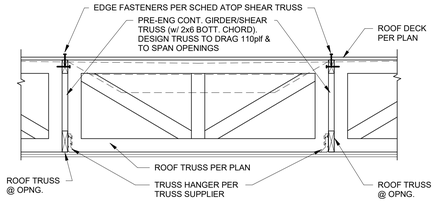
TYPICAL LATERAL TRUSS ATOP SHEARWALL PERPENDICULAR TO TRUSS SPAN

5A SECTION 3/4" = 1'-0"

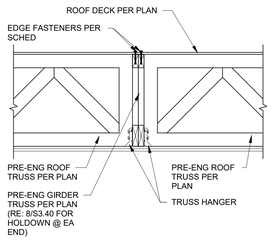


NOTE: WHERE DRAFT STOP IS REQUIRED PER ARCH, PROVIDE SHEATHING DIRECTLY TO CONT. GIRDER/SHEAR TRUSS & PROVIDE JOIST HANGER TO O.F. OF SHEATHING PER 2A/S3.21. REFER TO 6/S3.23 FOR DETAIL @ STAIRS

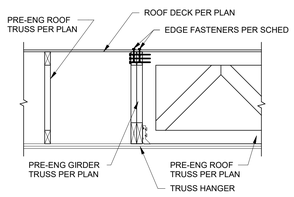
6 SECTION 3/4" = 1'-0"



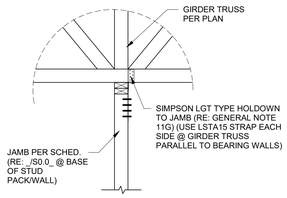
6A SECTION 3/4" = 1'-0"



7 SECTION 3/4" = 1'-0"

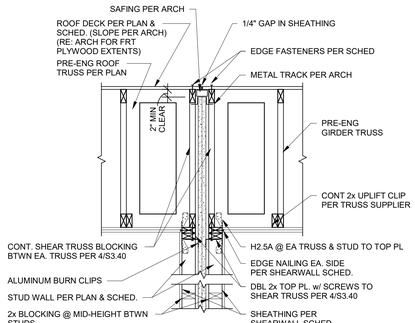


7A SECTION 3/4" = 1'-0"

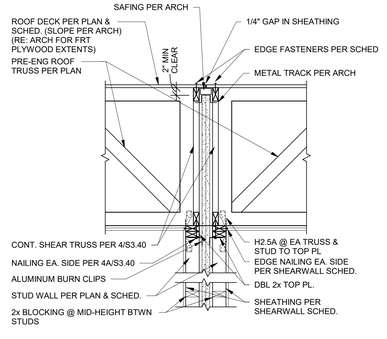


TYPICAL DETAIL AT ROOF GIRDER TRUSS BEARING

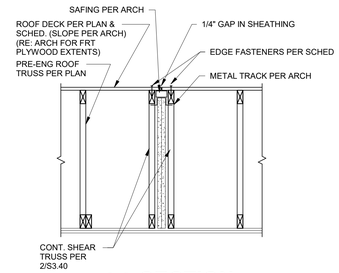
8 SECTION 3/4" = 1'-0"



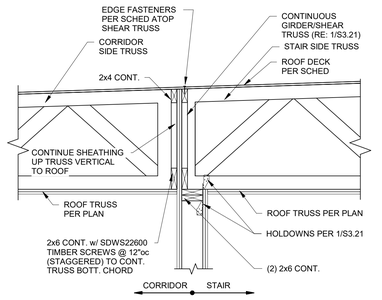
9 SECTION 3/4" = 1'-0"



9A SECTION 3/4" = 1'-0"

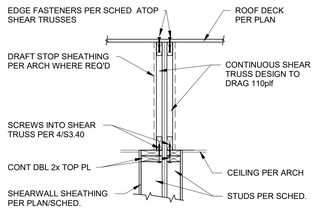


10 SECTION 3/4" = 1'-0"



TYPICAL ROOF DETAIL AT STAIRS

11 SECTION 3/4" = 1'-0"



TYPICAL ROOF DETAIL AT STAIRS TRUSSES PARALLEL

12 SECTION 3/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
PERMIT SET

SHEET NAME
WOOD ROOF FRAMING SECTIONS
SHEET NO.
S3.40

10/28/2024 6:08:55 PM

ARCH E1 30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/11/24

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
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KANSAS, 66207
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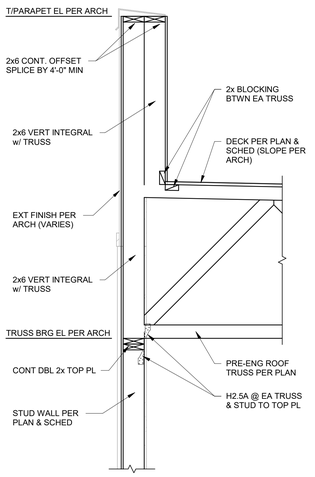
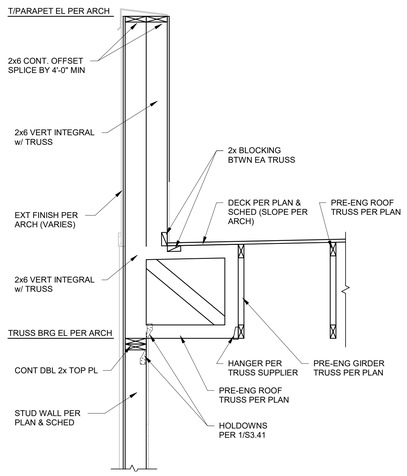
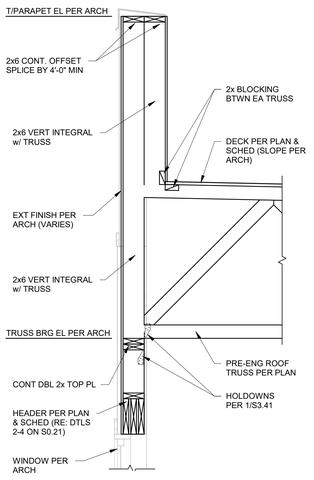


1 SECTION
3/4" = 1'-0"



1A SECTION
3/4" = 1'-0"



2 SECTION
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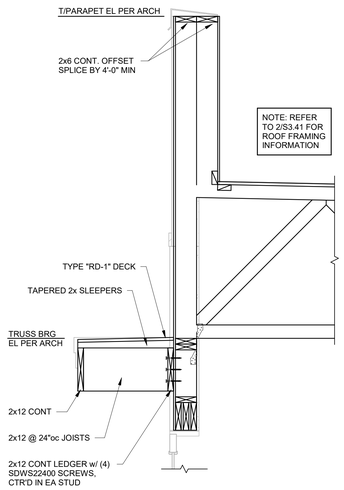
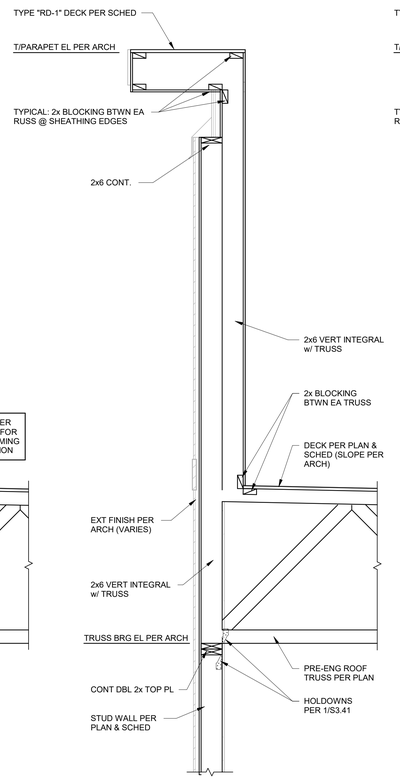


3 SECTION
3/4" = 1'-0"



4 SECTION
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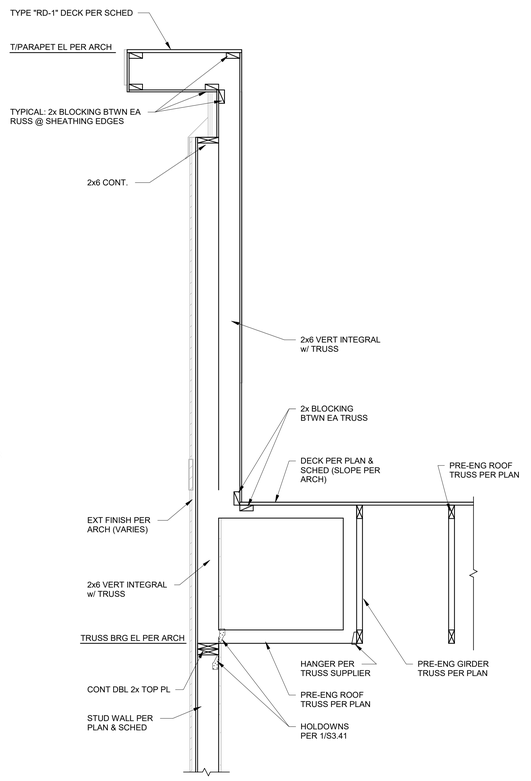

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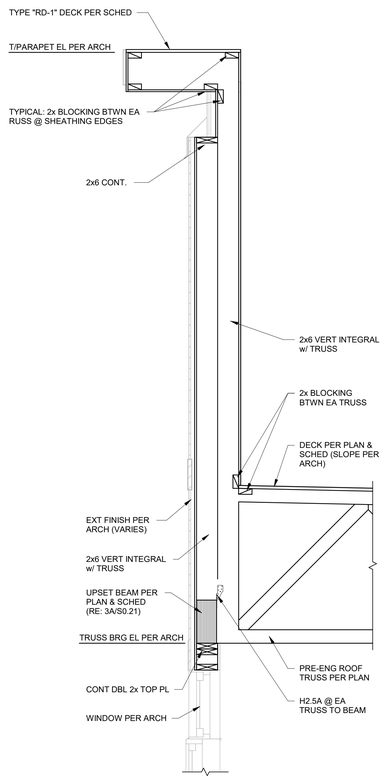
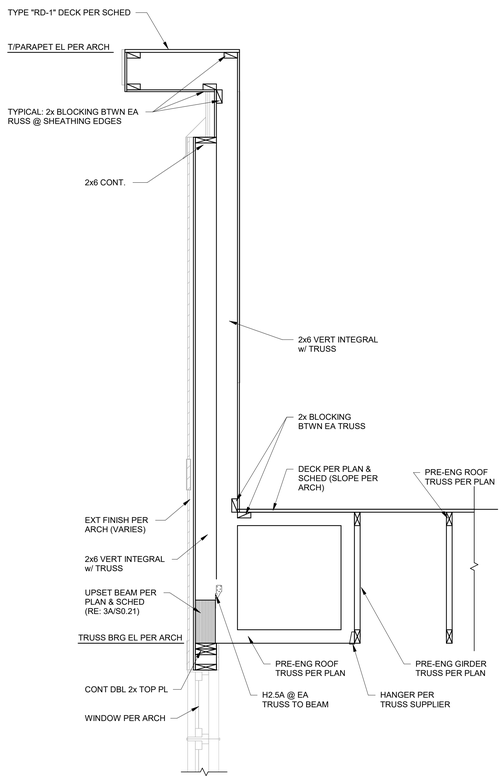


5 SECTION
3/4" = 1'-0"



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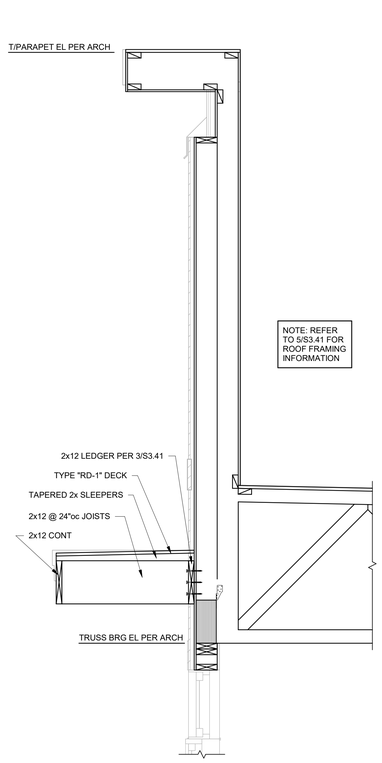

6 SECTION
3/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
PERMIT SET

SHEET NAME
WOOD ROOF FRAMING SECTIONS
SHEET NO.
S3.41

10/29/2024 6:08:57 PM

ARCH E1 30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/11/2024

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
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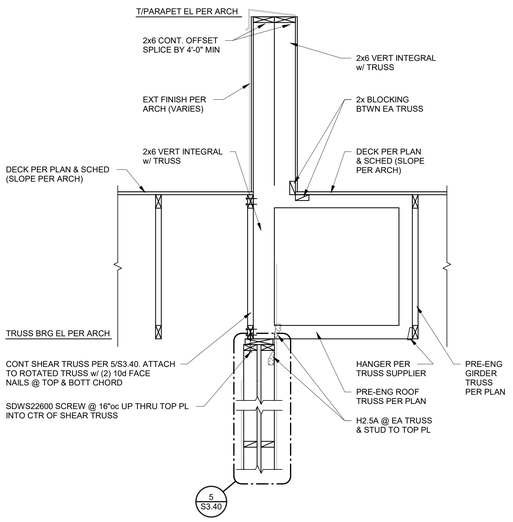

1 SECTION
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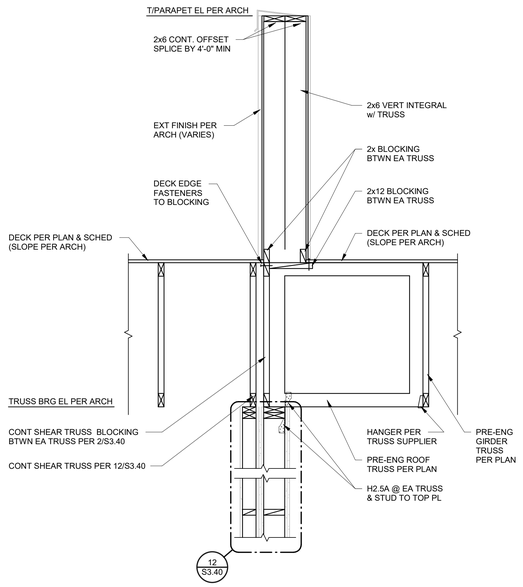
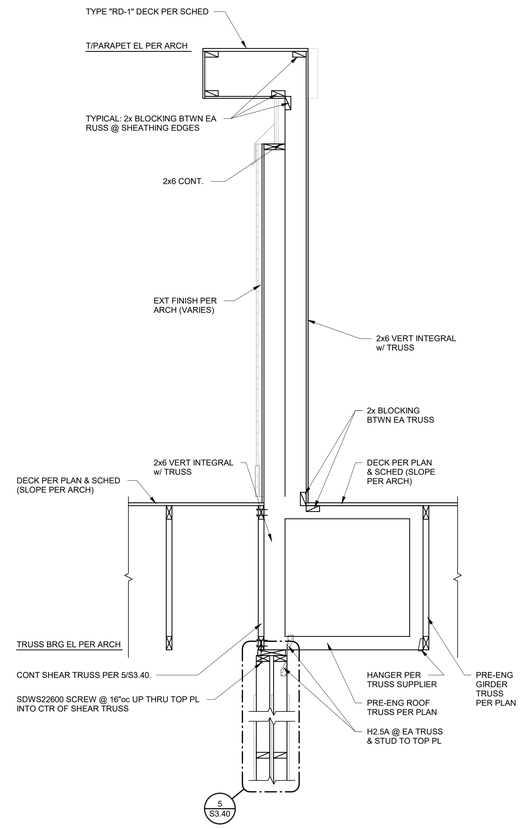


1A SECTION
3/4" = 1'-0"



2 SECTION
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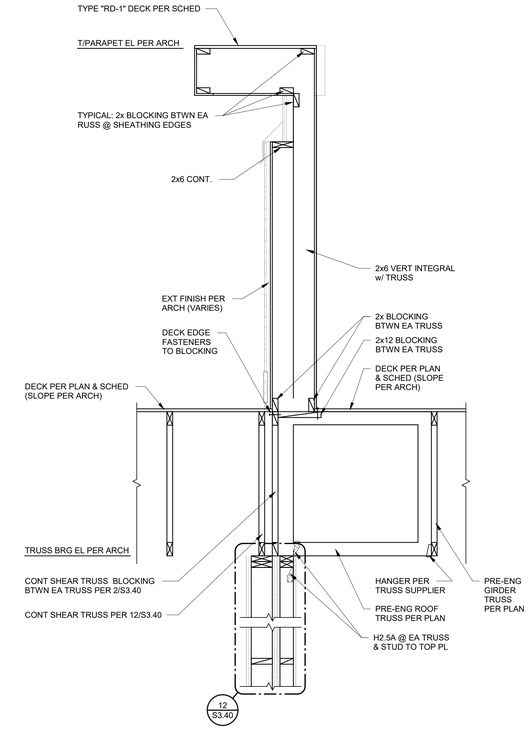
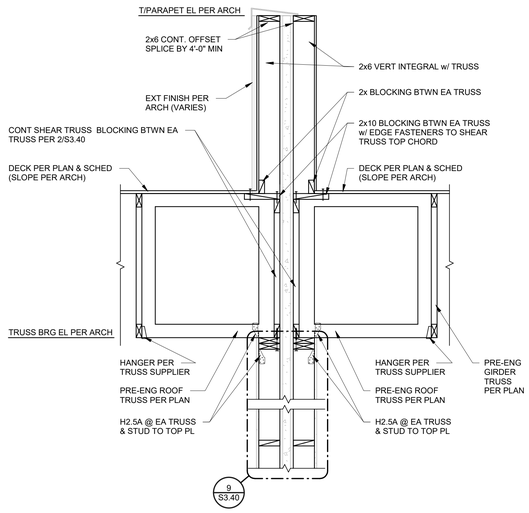


2A SECTION
3/4" = 1'-0"



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

STATE OF MISSOURI
CHRISTOPHER A. BEVERLIN
NUMBER PE-2017012520
10.24.24
PROFESSIONAL ENGINEER

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△ REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
WOOD ROOF FRAMING SECTIONS
SHEET NO.
S3.42

10/29/2024 6:06:55 PM

ARCH E1 30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/28/24

nspj ARCHITECTS
ARCHITECTURE
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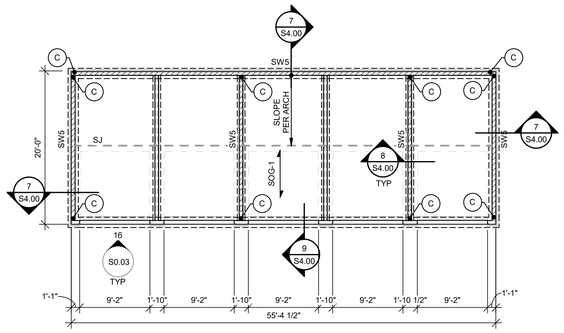
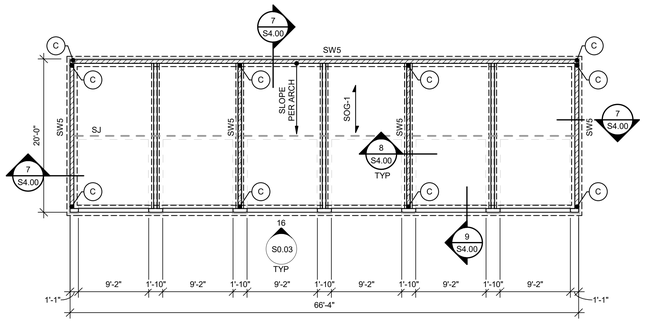
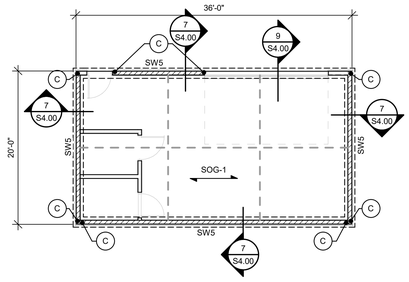


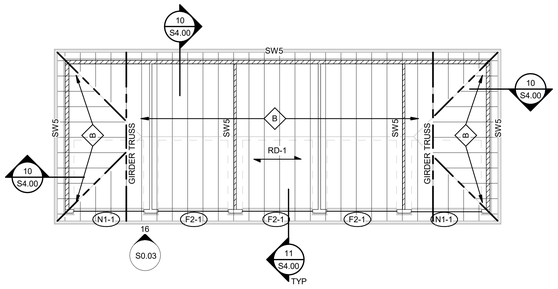
1 DETACHED GARAGE A FOUNDATION PLAN
1/8" = 1'-0"



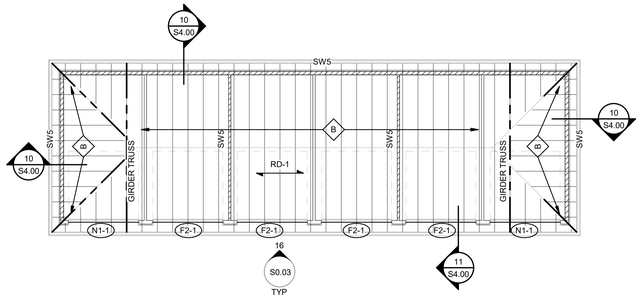
3 DETACHED GARAGE B FOUNDATION PLAN
1/8" = 1'-0"



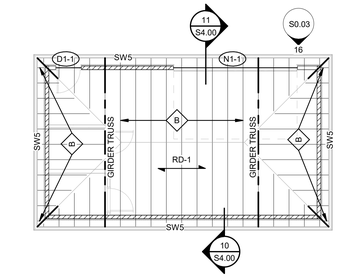
5 MAINTENANCE BUILDING FOUNDATION PLAN
1/8" = 1'-0"



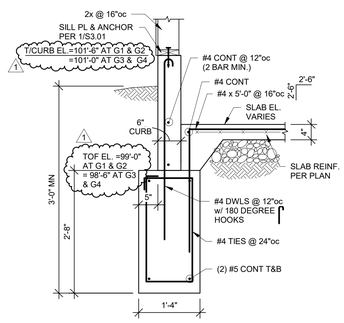
2 DETACHED GARAGE A ROOF FRAMING PLAN
1/8" = 1'-0"



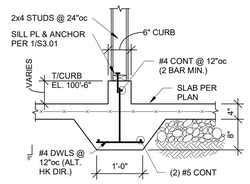
4 DETACHED GARAGE B ROOF FRAMING PLAN
1/8" = 1'-0"



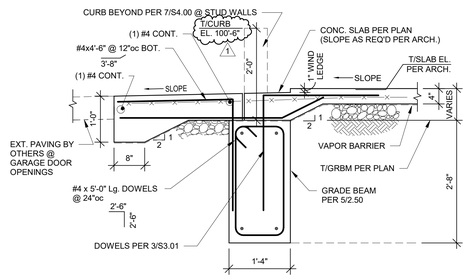
6 MAINTENANCE BUILDING ROOF FRAMING PLAN
1/8" = 1'-0"



7 SECTION
3/4" = 1'-0"

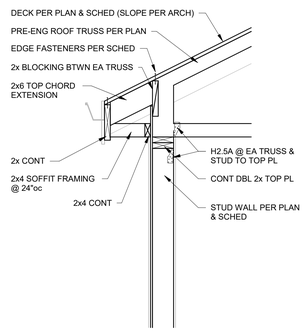


8 SECTION
3/4" = 1'-0"

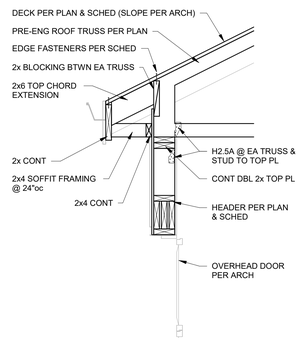


TYP. SECTION AT GARAGE DOORS

9 SECTION
3/4" = 1'-0"



10 SECTION
3/4" = 1'-0"



11 SECTION
3/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

REVISIONS
1 10.29.24 City Comments 1

JOB NO. **720522**
DATE **09.16.2024**
DRAWN BY **CAB / JLF**
PERMIT SET

SHEET NAME
ACCESSORY BUILDINGS

SHEET NO.
S4.00

10/28/2024 6:09:00 PM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/28/24

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
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KANSAS,66207
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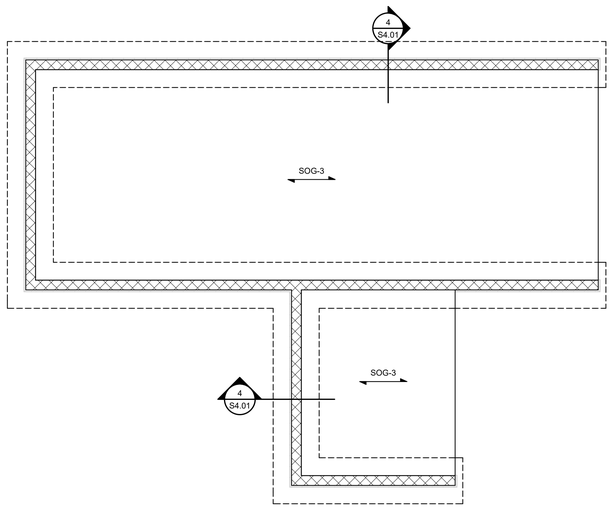
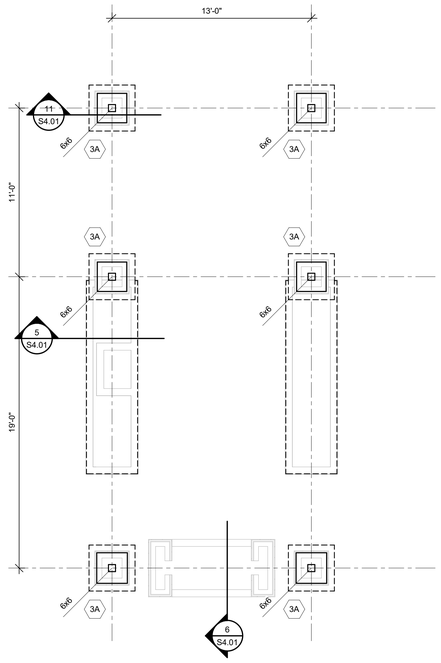
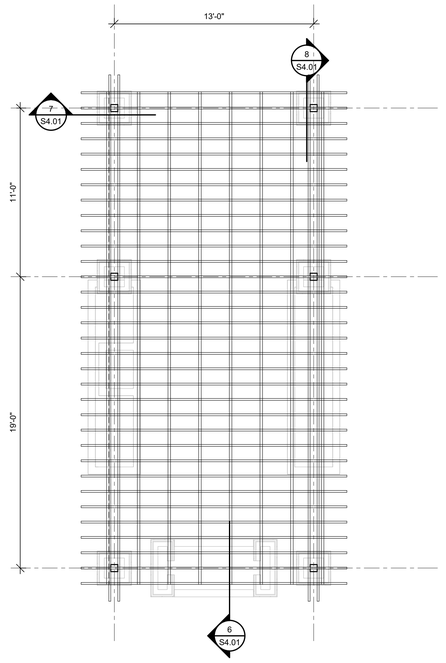


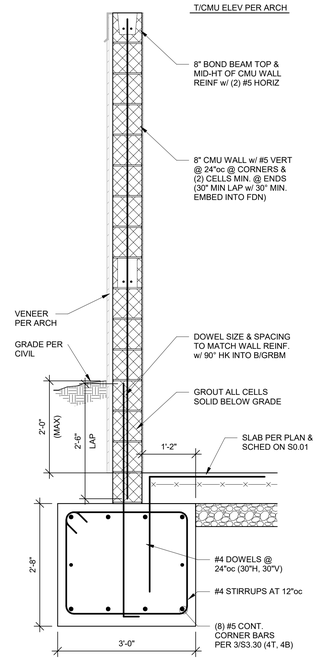
1 TRASH ENCLOSURE FOUNDATION PLAN
1/4" = 1'-0"



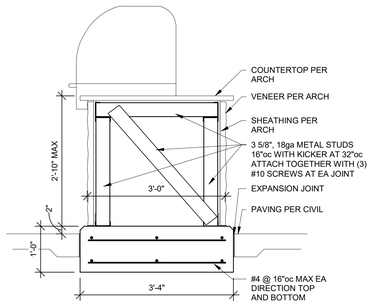
2 GRILLING STRUCTURE FOUNDATION PLAN
1/4" = 1'-0"



3 GRILLING STRUCTURE FRAMING PLAN
1/4" = 1'-0"

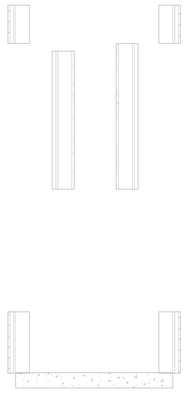


4 SECTION
3/4" = 1'-0"

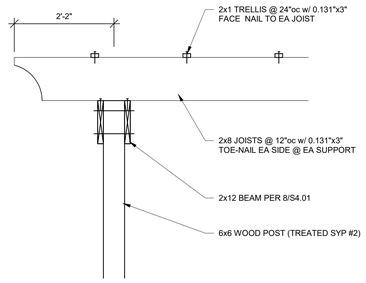


TYPICAL GRILL SECTION

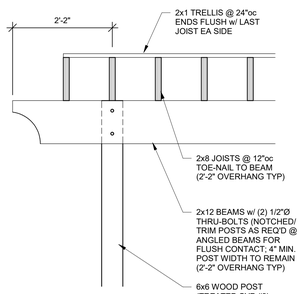
5 SECTION
3/4" = 1'-0"



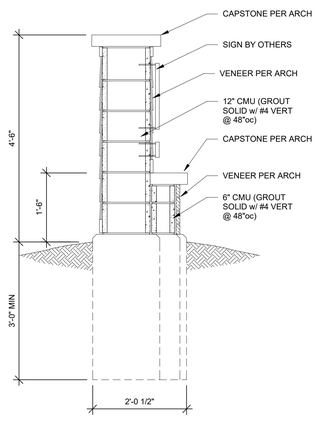
6 SECTION
3/4" = 1'-0"



7 SECTION
3/4" = 1'-0"



8 SECTION
3/4" = 1'-0"



TYPICAL MONUMENT SIGN

9 SECTION
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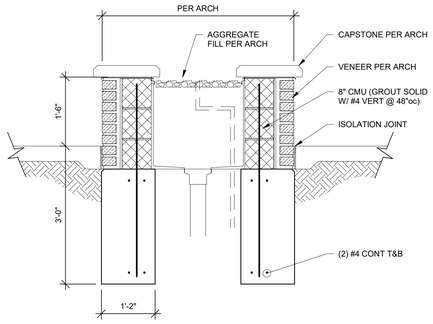

TYPICAL FIRE PIT SECTION

10 SECTION
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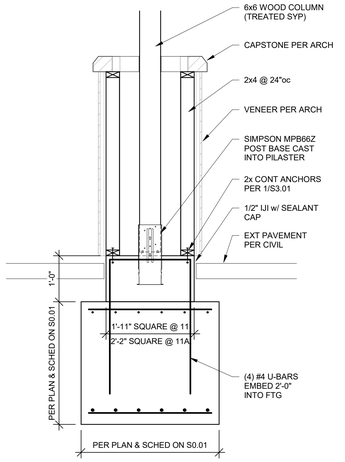
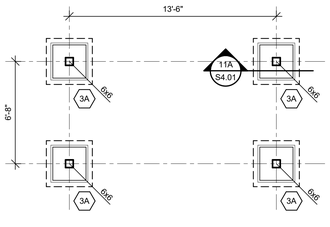
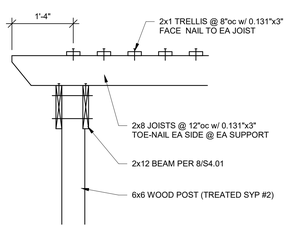


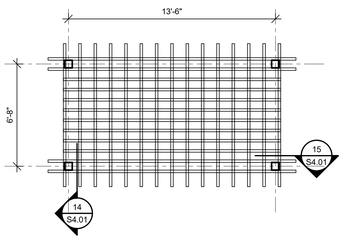
11, 11A SECTION
3/4" = 1'-0"



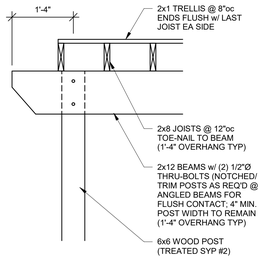
12 TRELLIS FOUNDATION PLAN
1/4" = 1'-0"



14 SECTION
3/4" = 1'-0"



13 TRELLIS FRAMING PLAN
1/4" = 1'-0"



15 SECTION
3/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY CAB / JLF
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SHEET NAME
ACCESSORY BUILDINGS

SHEET NO.
S4.01

10/28/2024 6:09:04 PM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
11/18/24

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10/29/2024

MECHANICAL SYMBOLS LEGEND

P-1	WATER CLOSET & TYPE (TYP. FOR ALL PLUMBING FIXTURES)	CHS	CHILLED HOT SUPPLY
	WASTE LINE ABOVE EARTH (W.)	CHR	CHILLED HOT RETURN
	WASTE LINE IN EARTH (W.)		UNION
CO	CLEAN OUT		FLEXIBLE PIPE CONNECTION
FFCO	FLUSH FLOOR CLEAN OUT		MANUAL DAMPER
FGCO	FLUSH GRADE CLEAN OUT	BD	BACKDRAFT DAMPER
2" FD	FLOOR DRAIN AND TYPE	AD	AUTOMATIC DAMPER
RD	ROOF DRAIN	FD	FIRE DAMPER
ORD	OVERFLOW ROOF DRAIN	FS	FIRE/SMOKE DAMPER
2" RD	ROOF DRAIN AND TYPE	SD	SMOKE DAMPER
	VENT LINE (V.)	6x6 / A / 90	GRILLE, REGISTER OR DIFFUSER, SIZE, TYPE & CFM
	DOMESTIC COLD WATER SUPPLY (DCW)		VOLUME EXTRACTOR AND TURNING VANES
	DOMESTIC HOT WATER SUPPLY (DHW)	RET	RETURN, EXHAUST OR FRESH AIR DUCT SECTION UP & DOWN
	DOMESTIC HOT WATER RETURN (DHWR)	SUP	SUPPLY AIR DUCT SECTION UP AND DOWN
HB/36"	HOSE BIBB AND MOUNTING HEIGHT		FLEXIBLE DUCT CONNECTION
WH	WALL HYDRANT		ROUND OR RECTANGULAR DUCT
F	FIRE LINE/STANDPIPE		FLEXIBLE DUCT
D	DRAIN LINE		THERMOSTAT
G	NATURAL GAS LINE	R	REFRIGERANT LIQUID/SUCTION
	RISE & DROP IN PIPE WITH CUT-OFF VALVE	AD	ACCESS DOOR
	REDUCER	AFF	ABOVE FINISHED FLOOR
	CHECK VALVE	EA	EXHAUST AIR
	STOP VALVE	OA	OUTSIDE AIR
	BALANCING VALVE/AUTOFLOW VALVE	RA	RETURN AIR
	PLUG VALVE	SA	SUPPLY AIR
	2-WAY CONTROL VALVE OR SOLENOID VALVE	VBS	VENT BELOW SLAB
	3-WAY CONTROL VALVE OR SOLENOID VALVE	VTR	VENT THRU ROOF
	PRESSURE REDUCING VALVE		CONNECT NEW TO EXISTING
	STRAINER		LOCKABLE GUARD
CWS	CHILLED WATER SUPPLY	VFD	VARIABLE FREQUENCY DRIVE
CWR	CHILLED WATER RETURN	H	EUH
HWS	HOT WATER SUPPLY	C	DSS, COOLING ONLY
HWR	HOT WATER RETURN	H/C	DSS, HEATING/COOLING

NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS.

ELECTRICAL SYMBOLS LEGEND

	CONDUIT CONCEALED IN CEILING OR WALL (1 HOT, 1 NEUTRAL, 1 GROUND UNLESS NOTED OTHERWISE)		LOCKABLE GUARD
	CONDUIT CONCEALED IN FLOOR SLAB		JUNCTION BOX
	EXPOSED CONDUIT	S	SWITCH - SINGLE POLE
	HOMERUN - ARROW INDICATES CKT., LINES INDICATE WIRES	3	SWITCH - 3-WAY
	GROUND WIRE	4	SWITCH - 4-WAY
	GROUNDING ROD	M	SWITCH - MOTION
	SINGLE RECEPTACLE	M	CEILING MOUNTED, MOTION SENSING SWITCH
	DUPLEX RECEPTACLE (20 AMP UNLESS NOTED)	A	LIGHT FIXTURE AND TYPE
U	DUPLEX RECEPTACLE WITH USB OUTLETS		EMERGENCY LIGHT FIXTURE WITH BATTERY PACK
SW	SWITCHED DUPLEX RECEPTACLE		FIXTURE ON LIFE SAFETY BRANCH OF EMERGENCY SYSTEM
	FOURPLEX RECEPTACLE		LIGHT FIXTURE (WALL MOUNTED)
	208 OR 240 VOLT RECEPTACLE (20 AMP UNLESS NOTED)		EXIT LIGHT (CEILING OR WALL MOUNTED)
	GROUND FAULT INTERRUPTER (GFI) DUPLEX RECEPTACLE		FLUSH PANELBOARD (LIGHT & RECEPTACLES)
	TELE/DATA OUTLET *		SURFACE PANELBOARD (LIGHT & RECEPTACLES)
	PUSHBUTTON		DISTRIBUTION PANEL OR SWITCHBOARD
VFD	VARIABLE FREQUENCY DRIVE	AC	DEVICE LOCATED ABOVE COUNTER
ORT	OVERRIDE TIMER	AFF	ABOVE FINISHED FLOOR
PC	PHOTOCELL	D	DIMMER
	MOTOR	M	MOTION SENSING
	FUSIBLE SWITCH (BUSSMAN SSU)	E	INDICATES EXISTING DEVICE
	DISCONNECT SWITCH (D.S.)	EDF	ELECTRIC DRINKING FOUNTAIN
	COMBINATION MOTOR STARTER (CMS)	NL	NIGHTLIGHT FIXTURE, WIRED HOT
R	RELAY	WP	WEATHERPROOF
	THERMOSTAT	AFCI	ARC FAULT CIRCUIT INTERRUPTER
			CONNECT NEW TO EXISTING

NOTES: ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS. REFER TO MECHANICAL SYMBOLS LEGEND FOR MECHANICAL SYMBOLS THAT MAY BE SHOWN ON ELECTRICAL PLANS. * 4x4 BACKBOX WITH SINGLE GANG PLASTER RING AND A 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.

NFPA SYMBOLS LEGEND

	SMOKE DETECTOR
S	SMOKE DETECTOR WITH SOUNDER BASE
ISO	SMOKE DETECTOR WITH ISOLATOR BASE
H	HEAT DETECTOR
	DUCT DETECTOR
	ADDRESSABLE MANUAL PULL STATION
	DOOR HOLDER
	FLOW DETECTOR/SWITCH
	TAMPER DETECTOR
T	TEST STATION
R	MR101/C SHUTDOWN RELAY, SPDT W/RED
	A/V (WALL MOUNTED) 24 VDC
	STROBE
	BELL ANNUNCIATOR
	HORN/SPEAKER
FCP	FIRE ALARM CONTROL PANEL
	FIREMAN'S PHONE
ARA	AREA RESCUE CALL STATION
ARA M	AREA RESCUE MASTER STATION
ZAM S	SIGNAL ZAM
ZAM C	CONTROL ZAM
ZAM DET	DETECTOR ZAM
IAM	MONITOR MODULE
IAM R	RELAY IAM
FC	GRAPHIC COMMAND CENTER
FAA	REMOTE FIRE ALARM AUDIO
FSA	REMOTE ANNUNCIATOR WITH AUDIO
ANN	ANNUNCIATOR
FS	FIRE SMOKE DAMPER
NAC	NAC POWER EXTENDER

* ALL SYMBOLS SHOWN ABOVE MAY NOT APPEAR ON PLANS

TELECOMMUNICATIONS LEGEND

SYMBOL	DESCRIPTION	REMARKS
D201/A	TELECOMMUNICATIONS OUTLET WITH ROOM AND TYPE IDENTIFIER	1
W	TELECOMMUNICATIONS OUTLET WALL PHONE PLATE	2
AV	AUDIO/VISUAL OUTLET	3
TV	TELEVISION OUTLET	1
	EMT CONDUIT BY E/C (1 1/4" UNLESS NOTED OTHERWISE)	4
	EMT SLEEVE BY E/C (2" UNLESS NOTED OTHERWISE)	4
AFF	ABOVE FINISHED FLOOR	
T/C	TELECOMMUNICATIONS CONTRACTOR	
E/C	ELECTRICAL CONTRACTOR	
G/C	GENERAL CONTRACTOR	
AC	DEVICE LOCATED ABOVE COUNTER	
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR	
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR	
	TELECOMMUNICATIONS CABLING	5
FACP	FIRE ALARM CONTROL PANEL	
SM	SINGLEMODE FIBER	
MM	MULTIMODE FIBER	
WAP	WIRELESS ACCESS POINT	6

TELECOMMUNICATIONS CABLING IDENTIFIER

TELECOM ROOM ——— D201/A ——— OUTLET TYPE

1 - 4x4 STEEL CITY BACKBOX, MODEL NUMBER 72171-1-1/4 W/ SINGLE GANG PLASTER RING AND 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING AS INDICATED ON DRAWINGS BY E/C.
2 - 2x4 BACKBOX WITH 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
3 - 4x4 STEEL CITY BACKBOX, MODEL NUMBER 72171-1-1/4 WITH DOUBLE GANG PLASTER RING BY E/C. CONDUITS AS INDICATED ON PLANS.
4 - E/C TO PROVIDE CONDUIT BUSHING ON CONDUIT PRIOR TO T/C INSTALLING CABLING.
5 - CABLING SHALL BE SUPPORTED WITH J-HOOKS AT 48" O.C. WHERE NOT IN CONDUIT.
6 - 2x4 SURFACE MOUNT BACKBOX LOCATED ABOVE ACCESSIBLE CEILING.

AUDIO/VISUAL LEGEND

SYMBOL	DESCRIPTION	REMARKS
AV	AUDIO/VISUAL OUTLET	1
AV	AUDIO/VISUAL FLOORBOX/POKE-THRU (REFER TO ELECTRICAL DRAWINGS)	
TS	TOUCH SCREEN CONTROL PANEL	
	OVERHEAD PROJECTOR	
S	AUDIO/VISUAL SPEAKER	
V	VOLUME CONTROL	
M	MICROPHONE	
	EMT CONDUIT BY E/C (1 1/4" UNLESS NOTED OTHERWISE)	2
	EMT SLEEVE BY E/C (2" UNLESS NOTED OTHERWISE)	2
	DUPLEX RECEPTACLE	
	FOURPLEX RECEPTACLE	
	AUDIO/VISUAL CABLING	3
AFF	ABOVE FINISHED FLOOR	
AV/C	AUDIO/VISUAL CONTRACTOR	
T/C	TELECOMMUNICATION CONTRACTOR	
E/C	ELECTRICAL CONTRACTOR	
G/C	GENERAL CONTRACTOR	
AC	DEVICE LOCATED ABOVE COUNTER	
SM	SINGLEMODE FIBER	
MM	MULTIMODE FIBER	

1 - 4x4 STEEL CITY BACKBOX, MODEL NUMBER 72171-1-1/4 WITH DOUBLE GANG PLASTER RING AND 1 1/4" CONDUIT TO ABOVE ACCESSIBLE CEILING BY E/C.
2 - E/C TO PROVIDE CONDUIT BUSHING ON CONDUIT PRIOR TO T/C INSTALLING CABLING.
3 - CABLING SHALL BE SUPPORTED WITH J-HOOKS AT 48" O.C. WHERE NOT IN CONDUIT.

SECURITY LEGEND

ACP	ACCESS CONTROL PANEL	
PPS	ACCESS CONTROL PANEL POWER SUPPLY	
CR	HID CARD READER	
REX	REQUEST TO EXIT *	
DP	DOOR POSITION SWITCH *	
EL	ELECTRIC LOCK *	
PS	DOOR POWER SUPPLY *	
PB	PUSH BUTTON	
M	MOTION DETECTOR	
GB	GLASS BREAKER SENSOR	
ADA	ADA PUSH BUTTON *	
DADA	DUAL ADA PUSH BUTTON *	
ADAM	ADA MOTORIZED OPERATOR *	
VIC	VIDEO INTERCOM DOOR STATION	
MVIC	MASTER VIDEO INTERCOM STATION	
BURG	BURGLAR/INTRUSION DETECTION PANEL	
	VIDEO SURVEILLANCE CAMERA	
NVR	NETWORK VIDEO RECORDER	
PTZ	PAN/TILT/ZOOM	

* - INDICATES PROVIDED BY DOOR HARDWARE SUPPLIER. REFER TO DOOR HARDWARE SPECIFICATIONS FOR FURTHER WIRING/POWER REQUIREMENTS.

PAGING LEGEND

SYMBOL	DESCRIPTION	REMARKS
PS	PAGING SYSTEM	
P	CEILING PAGING SPEAKER	
	WALL-MOUNTED PAGING SPEAKER	
15W	PAGING HORN	
V	VOLUME CONTROL	

ALL SYMBOLS SHOWN MAY NOT APPEAR ON THIS PROJECT

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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JOB NO. 720522
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DRAWN BY Author
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SHEET NAME COVER SHEET
SHEET NO. ME0.01

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LSA PROJECT NO. 2404027

10/31/2024 9:04:01 AM

ARCH E1.30" x 42"

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As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
24-0128.1

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STATE OF MISSOURI
RICHARD BEARD WILSON
NUMBER PE-2009019324
PROFESSIONAL ENGINEER
10/29/2024

SITE PLAN NOTES:

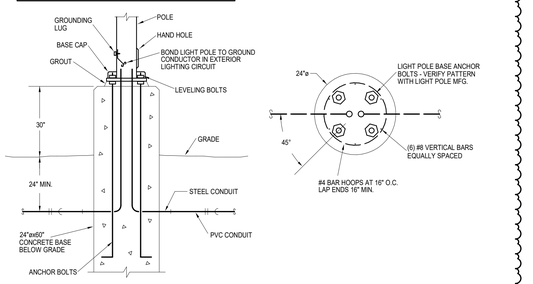
1. SEE CIVIL, ARCHITECTURAL, AND LANDSCAPE DRAWING FOR FURTHER INFORMATION AND WORK.
2. NOTIFY UTILITY PROVIDERS PRIOR TO ANY EXCAVATION, TRENCHING, OR GRADING TO MARK UTILITIES.
3. PROVIDE ALL UTILITY PROVIDER REQUIREMENTS WITH REGARDS TO INTERFACING WITH THEIR WORK AND INCLUDE ALL ITEMS REQUIRED FOR PROPER INSTALLATION.
4. TRANSFORMER AND PRIMARY LOCATIONS ARE AS PREFERRED AND NEED VERIFICATION WITH THE PROVIDER AS TO FINAL LOCATIONS BASED ON THEIR DESIGN AND CONTRACTOR REQUIREMENTS.
5. ALL SITE LIGHTING CIRCUITS ROUTE THROUGH PHOTOCELL AND HAVE (3) #10 WIRES UNLESS NOTED OTHERWISE.

LEGEND:

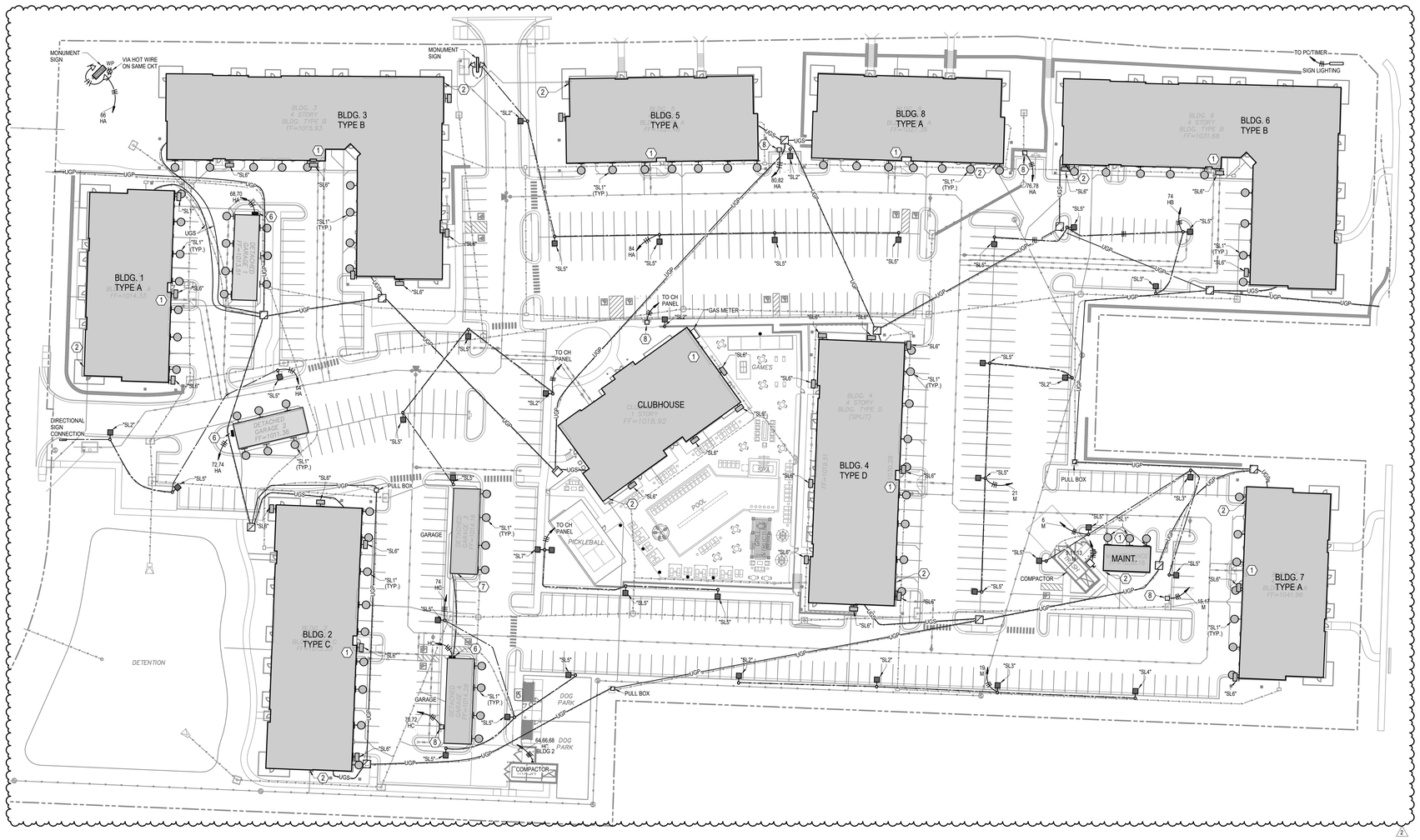
1. DOMESTIC AND FIRE CONNECTION POINT - SEE PLUMBING PLANS.
2. SANITARY CONNECTION POINT - SEE PLUMBING PLANS.
3. 4" ROOF DRAIN CONNECTION POINT - SEE PLUMBING PLANS.
4. 24"Wx36"Lx30"D QUAZITE HANDHOLE FOR VOICE/DATA PROVIDER CABLING. VERIFY SIZE, QUANTITY AND LOCATION WITH UTILITY PROVIDER(S) AND CIVIL PLANS
5. (3) 4"C. WITH PULL STRINGS FOR VOICE/DATA PROVIDER CABLING AT 36" MINIMUM BELOW GRADE
6. GARAGE PANEL FED FROM BUILDING HOUSE PANEL.
7. GARAGE CIRCUITS FED FROM ADJACENT GARAGE PANEL.
8. EV CHARGING PEDESTAL.

SYMBOLS LEGEND	
▭	PROPOSED TRANSFORMER
———	UG PRIMARY/SECONDARY
—SS—	SANITARY SEWER
—W—	DOMESTIC WATER
—F—	FIRE SERVICE
—T—	TELECOMMUNICATION SERVICE

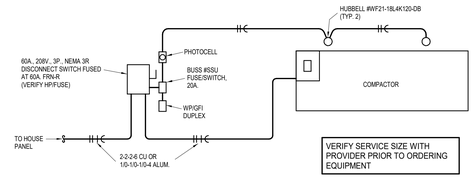
NOTE:
FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR BASE REINFORCING.



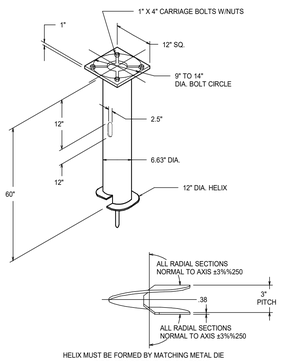
4 30" ABOVE GRADE - LIGHT POLE BASE DETAIL
NOT TO SCALE



1 SITE PLAN
MECH./ELEC.
1" = 40'-0"



2 COMPACTOR DETAIL
1/32" = 1'-0"



HELIX MUST BE FORMED BY MATCHING METAL DIE
(SIDE VIEW OF TRUE HELICAL FORM)

-NOTES-

1. FINISH: HOT DIP GALVANIZE PER ASTM-A153 (LATEST REVISION).
2. BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (±1%%250) AND HOLE CENTERLINE CONCENTRIC (± 188) TO SHAFT AXIS.
3. STENCIL MIN. 1/2 IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (±.125 FIM) AND IN LINE (±2%%250).
5. FLAME CUT SLOT PERPENDICULAR TO THE BASEPLATE.
6. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
7. FLAMECUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED 3/32 IN. BELOW NOMINAL SURFACE LEVEL, (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
8. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
9. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

   BASEPLATE: ASTM A36-(LATEST REVISION) HOT ROLLED STEEL PLATE, (CONFORM TO AASHTO TECH. BUL. #270)

   SHAFT: STEEL PIPE PILES, SEAMLESS OR STRAIGHT WELDED, GRADE-2 PER ASTM A252. ALT. MATERIAL: STEEL PIPE TYPE E OR S, GRADE-B PER ASTM A53.

   HELIX: ASTM A635 (LATEST REVISION) HOT ROLLED STEEL.

   PILOT POINT: ASTM A575 (LATEST REVISION) STEEL BAR.

   BOLTS: CARR BOLT PER ANSI B-18.2.1,SAE J429 GRADE-5.

10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION "ABC" IN 1/2" LETTERS AND DATE CODE IN 1/4" LETTERS.

3 LIGHT POLE FOUNDATION
1/8" = 1'-0"

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EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△REVISIONS
2 10.29.2024 City Comments 1

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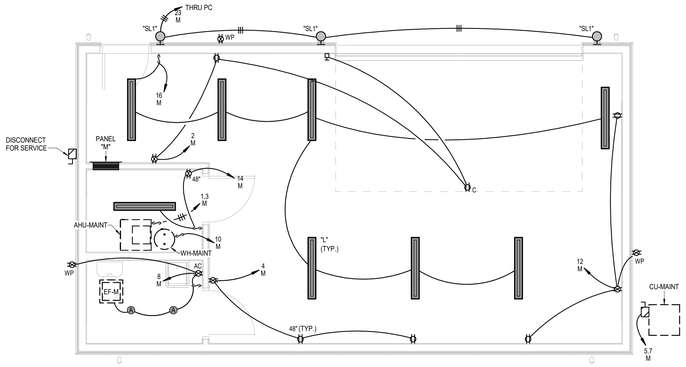


1 MAINTENANCE BLDG - ELECTRICAL
ELECTRICAL
1/4" = 1'-0"

NOTES: ELECTRICAL

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
3. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
4. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
5. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
6. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
7. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.

NOTES: MECHANICAL

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK
   LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.

NOTES: PLUMBING

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL DRAIN, WASTE AND VENT PIPING IS 2" UNLESS NOTED OTHERWISE. ALL 2" AND 3" WASTE SLOPE AT ¼" PER FT. PIPING 4" AND GREATER MAY BE AT 1/8" PER FT UNLESS NOTED OTHERWISE.
3. ANY BELOW SLAB SUPPLY PIPING SHALL BE PEX WITH NO JOINTS.
4. ALL SUPPLY PIPING IS ½" UNLESS NOTED OTHERWISE OR REQUIRED BY THE PLUMBING CODE.
5. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE AIR CHAMBERS OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT. ALL FLOOR DRAINS ARE 2" TYPE 1 UNLESS NOTED OTHERWISE.
11. ROUTE DRAIN PIPING FROM WATER HEATERS, AIR HANDLERS OR EQUIPMENT TO FLOOR DRAINS. PROVIDE PROPER TRAPS.
12. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.

LEGEND:

(1) OUTSIDE AIR CONTROL AND BALANCING DAMPER.

4 ELECTRICAL RISER DIAGRAM
NOT TO SCALE

Panel: M

Location: | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22000
Supply From: TFX | **Phases:** 3 | **Mains Type:** MLO
Mounting: | **Wires:** 4 | **Mains Rating:** 125 A
Enclosure: | **MCB Rating:**

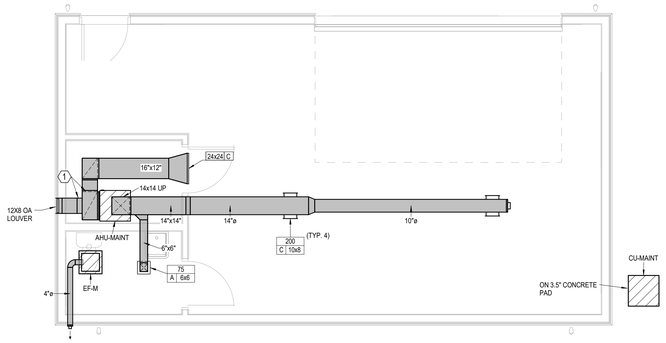
Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	AHU-MAINT	40 A	8	3224	180					12	20 A	Receptacle RESTROOM 521	2
3						3224	180			12	20 A	Receptacle RESTROOM 521	4
5	CU-MAINT	15 A	12					936	100	12	20 A	Lighting	6
7				936	180					12	20 A	Receptacle	8
9						5400	0			12	20 A	HVAC Load	10
11	COMPACTOR	60 A	6					5400	180	12	20 A	Receptacle RESTROOM 521	12
13				5400	180					12	20 A	Receptacle	14
15	EV CHARGER	40 A	8			1750	0			12	20 A	Other RESTROOM 521	16
17								1750	0	--	20 A	Spare	18
19	Lighting	20 A	12	400	0					--	20 A	Spare	20
21	Lighting	20 A	12			100	0			--	20 A	Spare	22
23	Lighting	20 A						0	0	--	20 A	Spare	24
25					0					--	20 A	Spare	26
27							0			--	20 A	Spare	28
29									0	--	20 A	Spare	30
31					0					--	20 A	Spare	32
33							0			--	20 A	Spare	34
35									0	--	20 A	Spare	36
37					0					--	20 A	Spare	38
39							0			--	20 A	Spare	40
41									0	--	20 A	Spare	42
		Total Load:		10500 VA		10654 VA		8366 VA					
		Total Amps:		90 A		92 A		70 A					

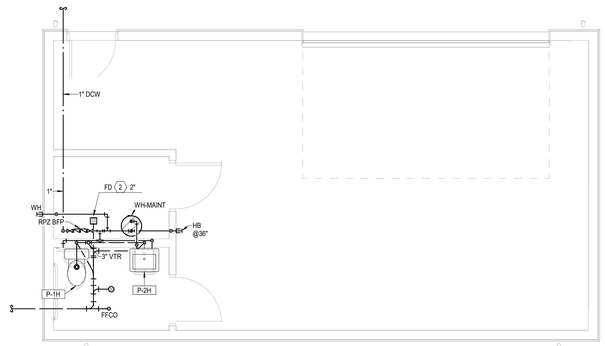
Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	8320 VA	100.00%	8320 VA		
Lighting	600 VA	125.00%	750 VA	**Total Conn. Load:**	29520 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	29670 VA
Power	19700 VA	100.00%	19700 VA	**Total Conn.:**	82 A
Receptacle	900 VA	100.00%	900 VA	**Total Est. Demand:**	82 A
HVAC Load	0 VA	0.00%	0 VA		

Notes:



2 MAINTENANCE BLDG - HVAC
HVAC
1/4" = 1'-0"



3 MAINTENANCE BLDG - PLUMBING
PLUMBING
1/4" = 1'-0"

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21-Oct-24

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STATE OF MISSOURI
RICHARD BEARD BEARD
NUMBER
PE-2009010105
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
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PERMIT SET
SHEET NAME MAINTENANCE BUILDING
SHEET NO. ME1.02

10/31/2024 9:04:06 AM

ARCH E1.30" x 42"

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Lee's Summit, Missouri
10/31/2024

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LANDSCAPE ARCHITECTURE
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9415 NALL AVE., #300
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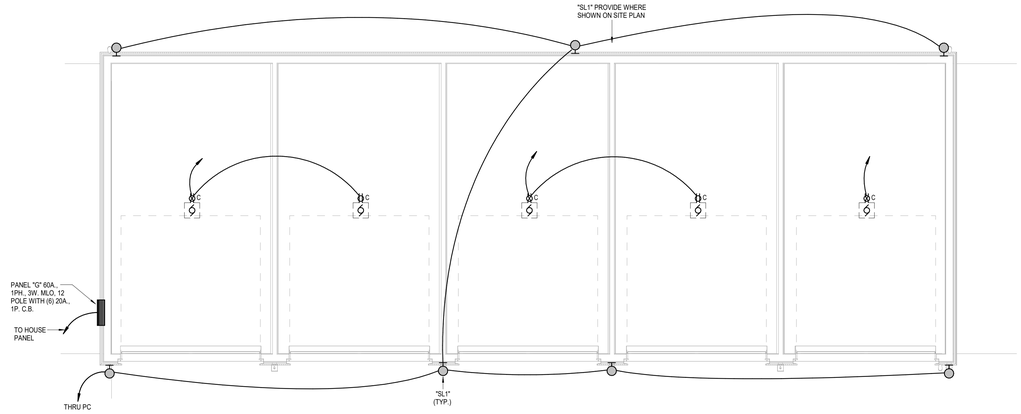
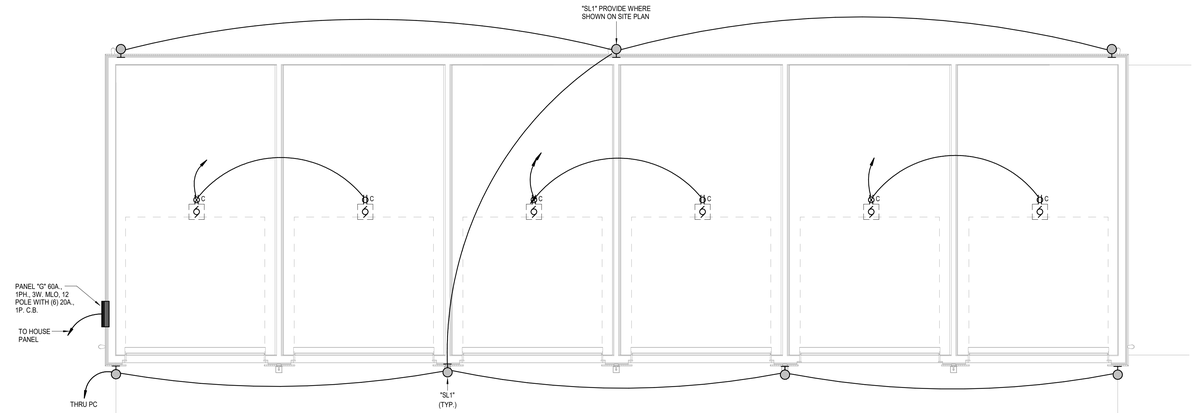


1 GARAGE A - ELECTRICAL

ELECTRICAL
1/4" = 1'-0"



2 GARAGE B - ELECTRICAL

ELECTRICAL
1/4" = 1'-0"

STATE OF MISSOURI
RICHARD BEARD LATIMER
NUMBER PE-2009012026
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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• 09.16.24 PERMIT SET

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LS&A Latimer Sommers & Associates P.A.
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Overland Park, Kansas 66210
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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PERMIT SET
SHEET NAME GARAGE PLANS
SHEET NO. ME1.03

10/31/2024 9:04:07 AM

ARCH E1.39" x 42"

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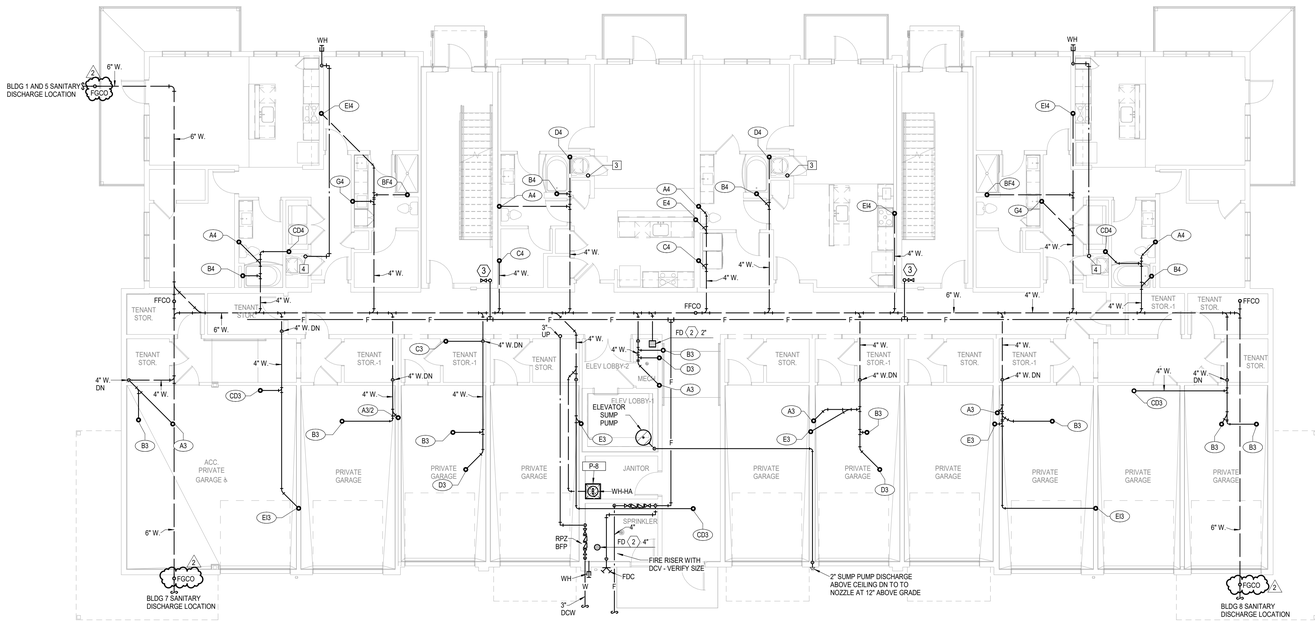

1 BUILDING A - 1ST FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

PLUMBING NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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5. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE. (2)
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT. ALL FLOOR DRAINS ARE 2" TYPE 1 UNLESS NOTED OTHERWISE.
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12. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.
13. FIRE SPRINKLER SHALL BE PROVIDED FOR ALL AREAS OF THE BUILDING PER NFPA. THIS INCLUDES A PROTECTED OR DRY SYSTEM FOR ANY UNHEATED AREAS. NO PIPE SHALL BE EXPOSED TO FREEZING TEMPERATURES.
14. PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.

LEGEND:
(1) PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) CLASS 1 MANUAL STANDPIPE WITH VALVE.

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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009012024
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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PERMIT SET
SHEET NAME BUILDING A - FIRST FLOOR PLAN - PLUMBING
SHEET NO. P1.11

10/31/2024 9:04:08 AM

ARCH E1.39" x 42"

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PLUMBING NOTES:
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4. ALL SUPPLY PIPING IS ½" UNLESS NOTED OTHERWISE OR REQUIRED BY THE PLUMBING CODE.
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6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE. (2)
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT. ALL FLOOR DRAINS ARE 2" TYPE 1 UNLESS NOTED OTHERWISE.
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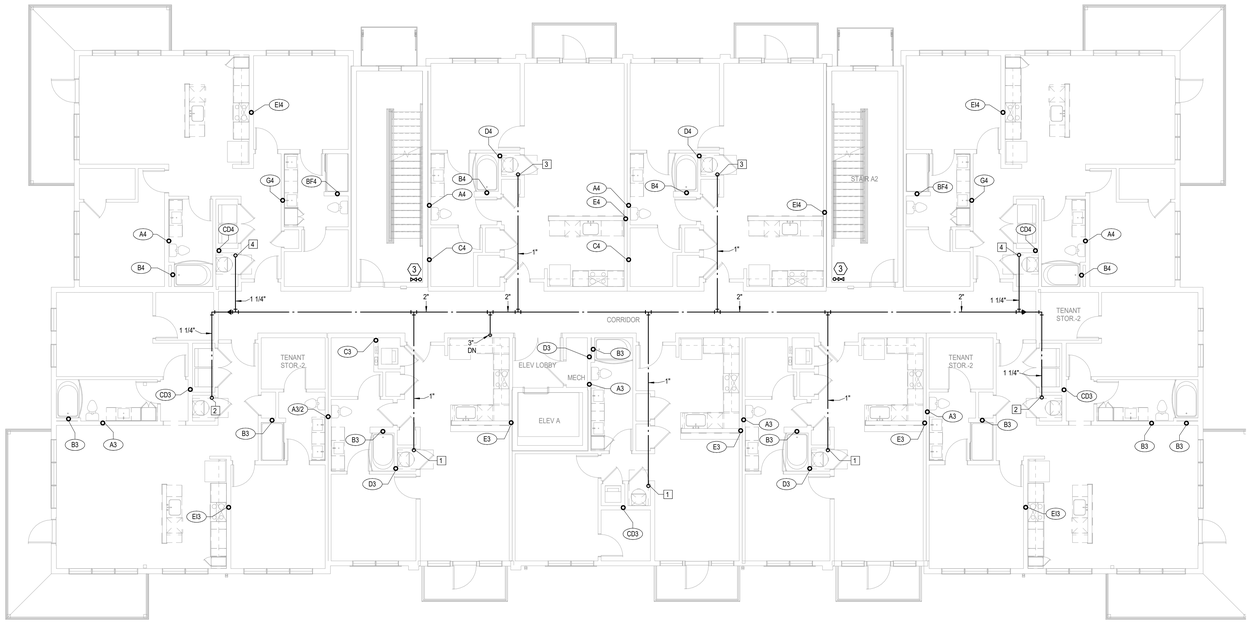
14. PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.

LEGEND:
(1) PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) CLASS 1 MANUAL STANDPIPE WITH VALVE.



1 BUILDING A - 2ND FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

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STATE OF MISSOURI
RICHARD BEARD LEWIS
NUMBER
PE-2009019324
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME
BUILDING A - SECOND FLOOR PLAN - PLUMBING
SHEET NO.
P1.12

10/31/2024 9:04:09 AM

ARCH E1.39" x 42"

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PLUMBING NOTES:
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8. ALL FIXTURES SHALL HAVE BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE. 2
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
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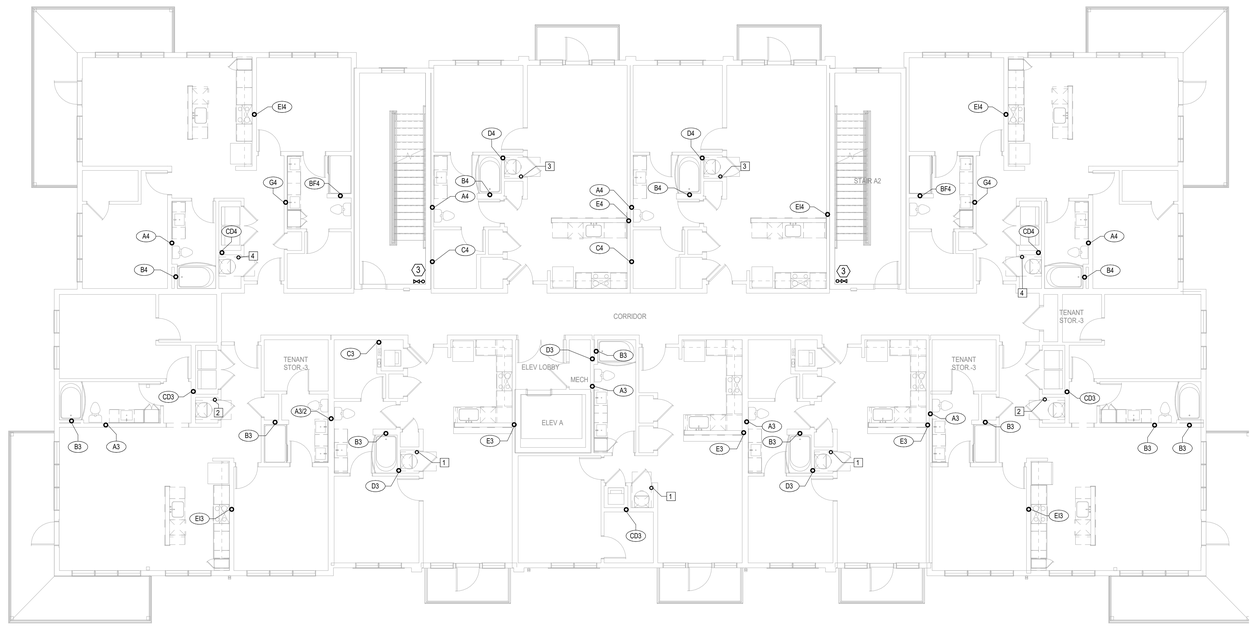
14. PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.

LEGEND:
1 PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.
2 3/4" CW UP TO ROOF HYDRANT.
3 CLASS 1 MANUAL STANDPIPE WITH VALVE.



1 BUILDING A - 3RD FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

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KANSAS, 66207

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RICHARD BEARD NUMBER PE-2009012024
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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JOB NO. 720522
DATE 09.16.2024
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SHEET NAME
BUILDING A - THIRD FLOOR PLAN - PLUMBING
SHEET NO.
P1.13

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ARCH E1.30" x 42"

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PLUMBING NOTES:
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14. PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.

LEGEND:
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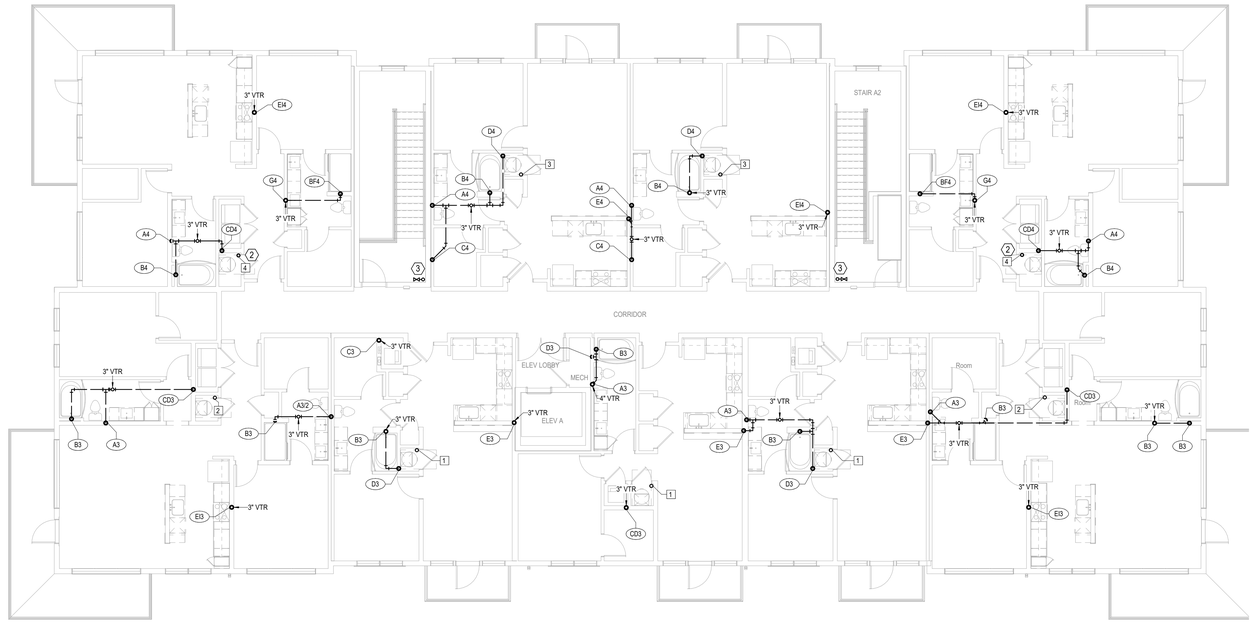
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) CLASS 1 MANUAL STANDPIPE WITH VALVE.



1 BUILDING A - 4TH FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

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KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009012024
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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2 10.29.2024 City Comments 1

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Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME
BUILDING A - FOURTH FLOOR PLAN - PLUMBING
SHEET NO.
P1.14

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ARCH E1.30" x 42"

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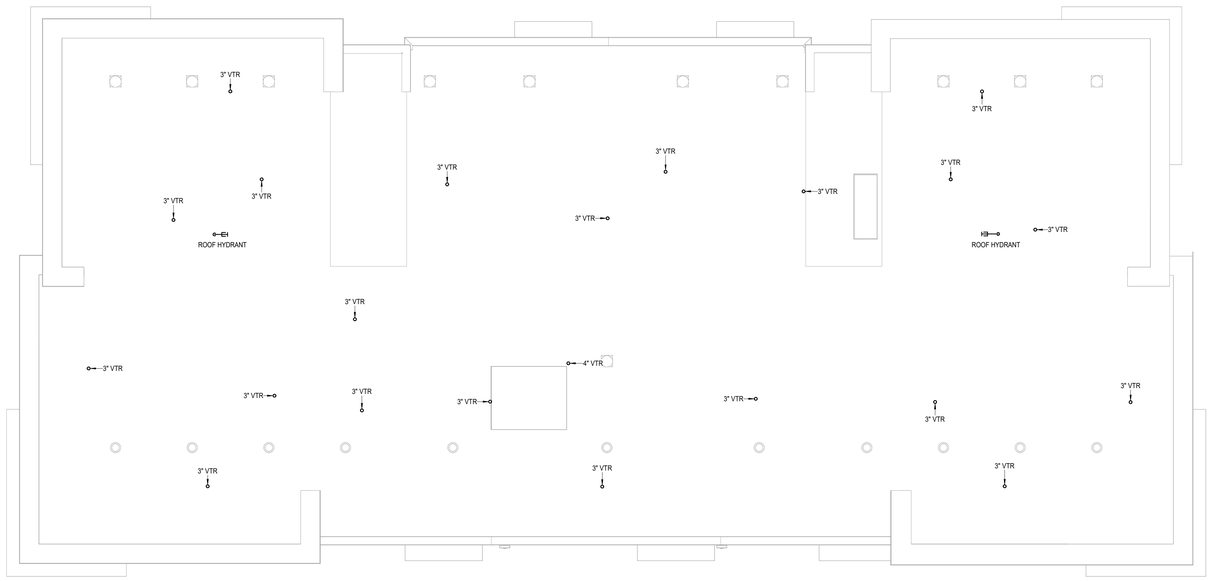

1 BUILDING A - ROOF PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009012026
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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2 10.29.2024 City Comments 1

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JOB NO. 720522
DATE 09.16.2024
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SHEET NAME
BUILDING A - ROOF PLAN - PLUMBING
SHEET NO.
P1.15

10/31/2024 9:04:11 AM

ARCH E1.30" x 42"

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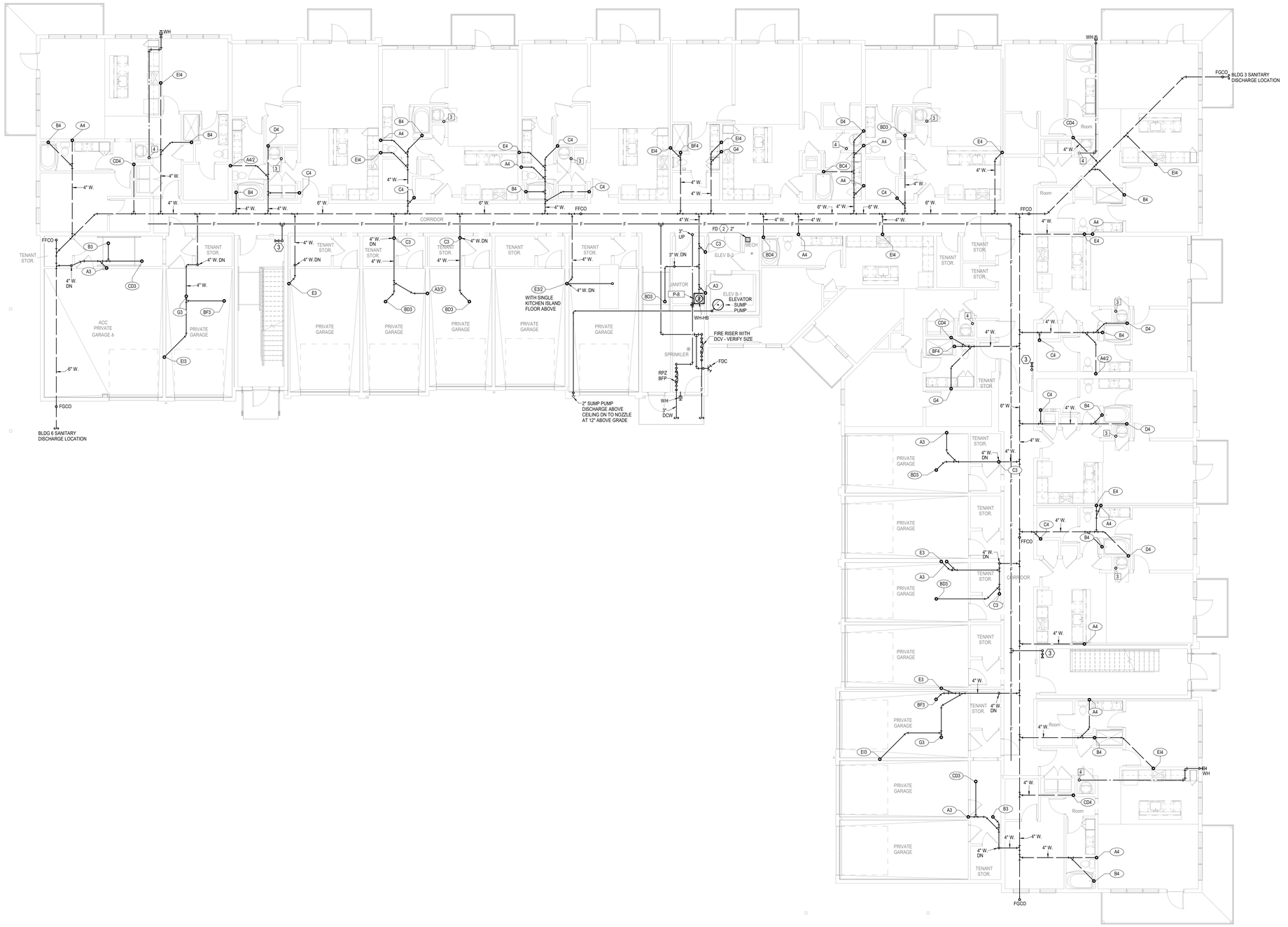
Lee's Summit, Missouri
10/31/2024



PLUMBING NOTES:

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LEGEND:

1. PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.
2. 3/4" CW UP TO ROOF HYDRANT.
3. CLASS 1 MANUAL STANDPIPE WITH VALVE.

1 BUILDING B - 1ST FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 3, 6)

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207

STATE OF MISSOURI — RICHARD BEARD — NUMBER PE-2009019324 — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS
2 10.29.2024 City Comments 1

LS&A
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Telephone: (785) 233-3232
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LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - FIRST FLOOR PLAN - PLUMBING
SHEET NO. P1.21

10/31/2024 9:04:13 AM

ARCH E1.30" x 42"

1 BUILDING B - 2ND FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 3, 6)

PLUMBING NOTES:
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2. ALL DRAIN, WASTE AND VENT PIPING IS 2" UNLESS NOTED OTHERWISE. ALL 2" AND 3" WASTE SLOPE AT ¼" PER FT. PIPING 4" AND GREATER MAY BE AT 1/8" PER FT UNLESS NOTED OTHERWISE.
3. ANY BELOW SLAB SUPPLY PIPING SHALL BE PEX WITH NO JOINTS.
4. ALL SUPPLY PIPING IS ½" UNLESS NOTED OTHERWISE OR REQUIRED BY THE PLUMBING CODE.
5. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT. ALL FLOOR DRAINS ARE 2" TYPE 1 UNLESS NOTED OTHERWISE.
11. ROUTE DRAIN PIPING FROM WATER HEATERS, AIR HANDLERS OR EQUIPMENT TO FLOOR DRAINS. PROVIDE PROPER TRAPS.
12. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.
13. FIRE SPRINKLER SHALL BE PROVIDED FOR ALL AREAS OF THE BUILDING PER NFPA. THIS INCLUDES A PROTECTED OR DRY SYSTEM FOR ANY UNHEATED AREAS. NO PIPE SHALL BE EXPOSED TO FREEZING TEMPERATURES.
14. PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.

LEGEND:
(1) PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) CLASS 1 MANUAL STANDPIPE WITH VALVE.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/2024

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KANSAS,66207

STATE OF MISSOURI — RICHARD BEARDSLEE — NUMBER PE-2009010104 — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△ REVISIONS
2 10.29.2024 City Comments 1

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - SECOND FLOOR PLAN - PLUMBING
SHEET NO. P1.22

10/31/2024 9:04:15 AM

ARCH E1.30" x 42"

1 BUILDING B - 3RD FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 3, 6)

PLUMBING NOTES:
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12. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.
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14. PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.

LEGEND:
(1) PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) CLASS 1 MANUAL STANDPIPE WITH VALVE.

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KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARDEN
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME
BUILDING B - THIRD FLOOR PLAN - PLUMBING
SHEET NO.
P1.23

10/31/2024 9:04:16 AM

ARCH E1.30" x 42"

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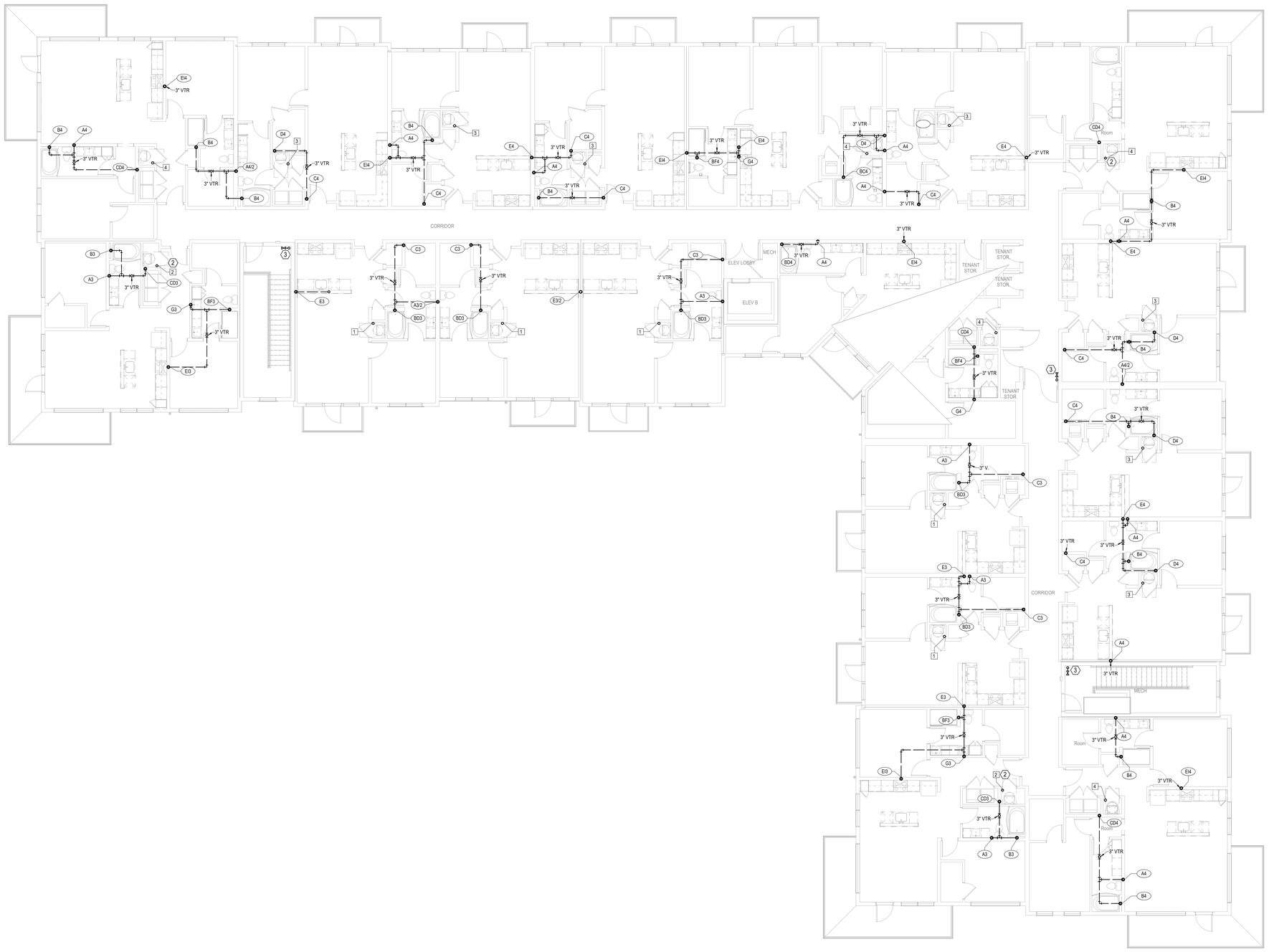
Lee's Summit, Missouri
10/31/24



1 BUILDING B - 4TH FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 3, 6)

PLUMBING NOTES:

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LEGEND:

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2. 3/4" CW UP TO ROOF HYDRANT.
3. CLASS 1 MANUAL STANDPIPE WITH VALVE.

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STATE OF MISSOURI
RICHARD BEARD LEE
NUMBER PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - FOURTH FLOOR PLAN - PLUMBING
SHEET NO. P1.24

10/31/2024 9:04:17 AM

ARCH E1 30" x 42"

1 BUILDING B - ROOF PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 3, 6)

PLUMBING NOTES:

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LEGEND:

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(3) CLASS 1 MANUAL STANDPIPE WITH VALVE.

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STATE OF MISSOURI — RICHARD BEARDEN — NUMBER PE-2009010538 — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - ROOF PLAN - PLUMBING
SHEET NO. P1.25

10/31/2024 9:04:18 AM

ARCH E1.30" x 42"

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10/29/24

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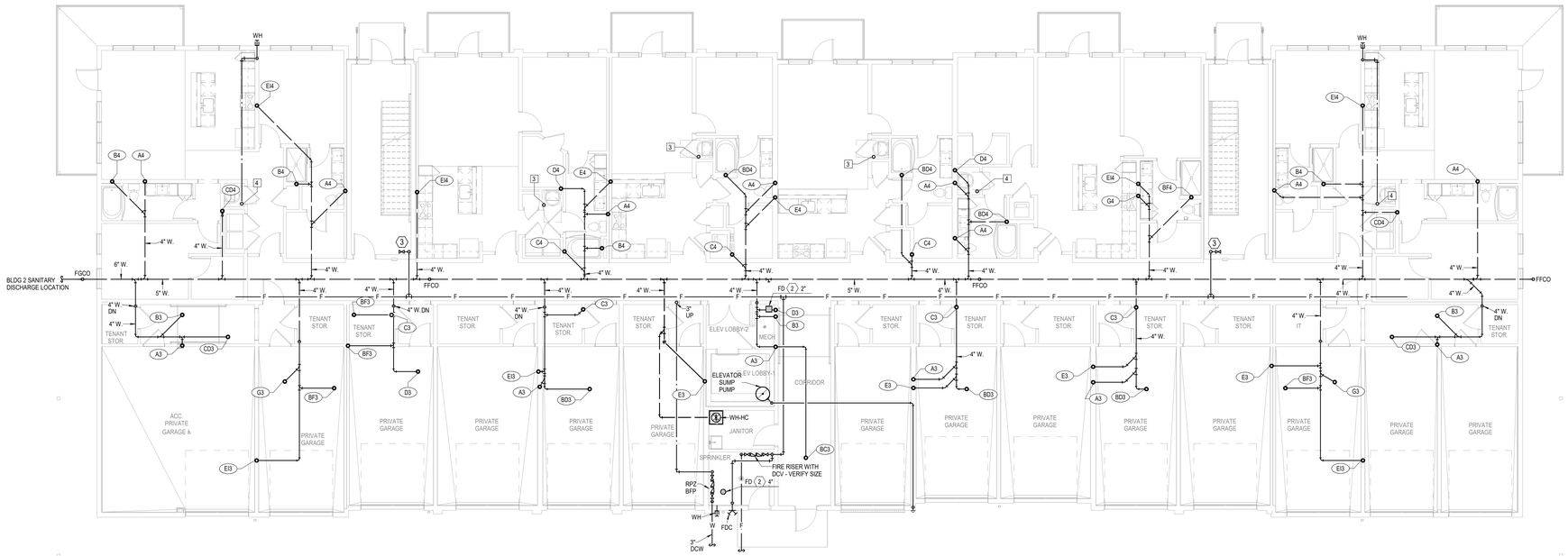
LEGEND:
1 PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.
2 3/4" CW UP TO ROOF HYDRANT.
3 CLASS 1 MANUAL STANDPIPE WITH VALVE.



1 BUILDING C - 1ST FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 2, 4)

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STATE OF MISSOURI — RICHARD BEARDSLEE — NUMBER PE-2009019324 — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING C - FIRST FLOOR PLAN - PLUMBING
SHEET NO. P1.31

10/31/2024 9:04:19 AM

ARCH E1.39" x 42"

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Lee's Summit, Missouri
10/29/24

PLUMBING NOTES:
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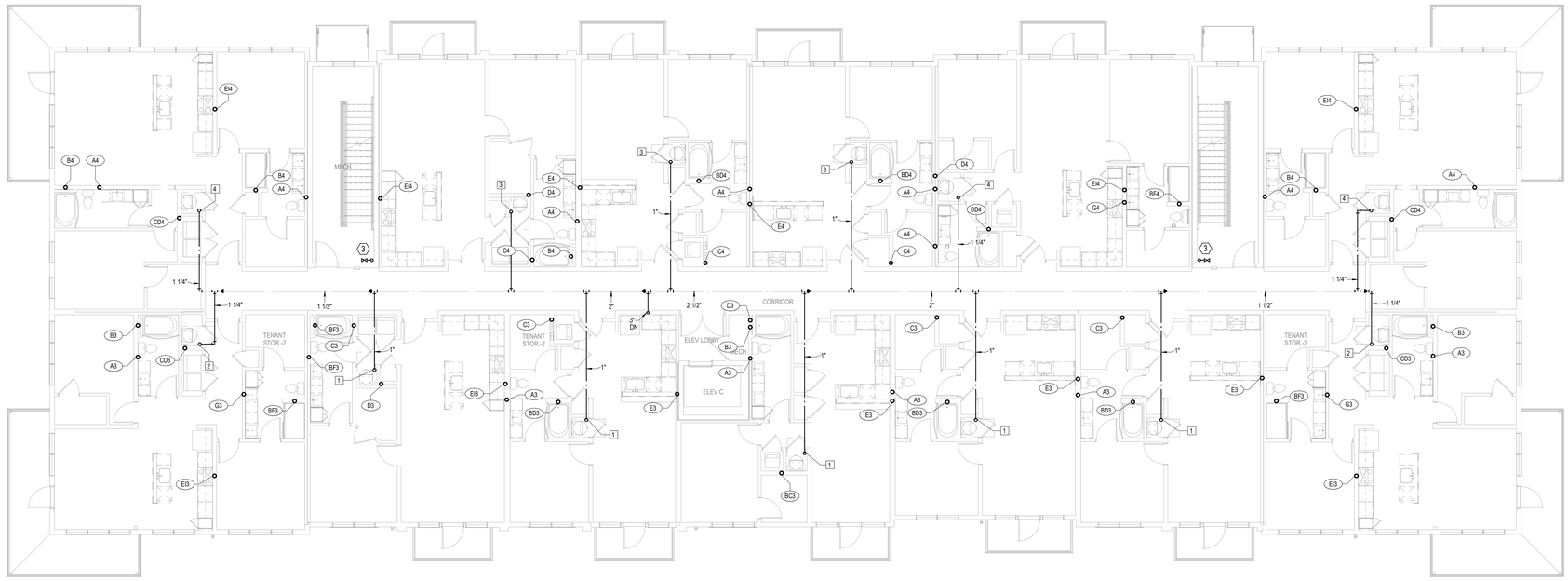

1 BUILDING C - 2ND FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 2, 4)

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STATE OF MISSOURI — RICHARD BEARDSLEY — NUMBER PE-2009019324 — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME
BUILDING C - SECOND FLOOR PLAN - PLUMBING
SHEET NO.
P1.32

10/31/2024 9:04:21 AM

ARCH E1.30" x 42"

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Lee's Summit, Missouri
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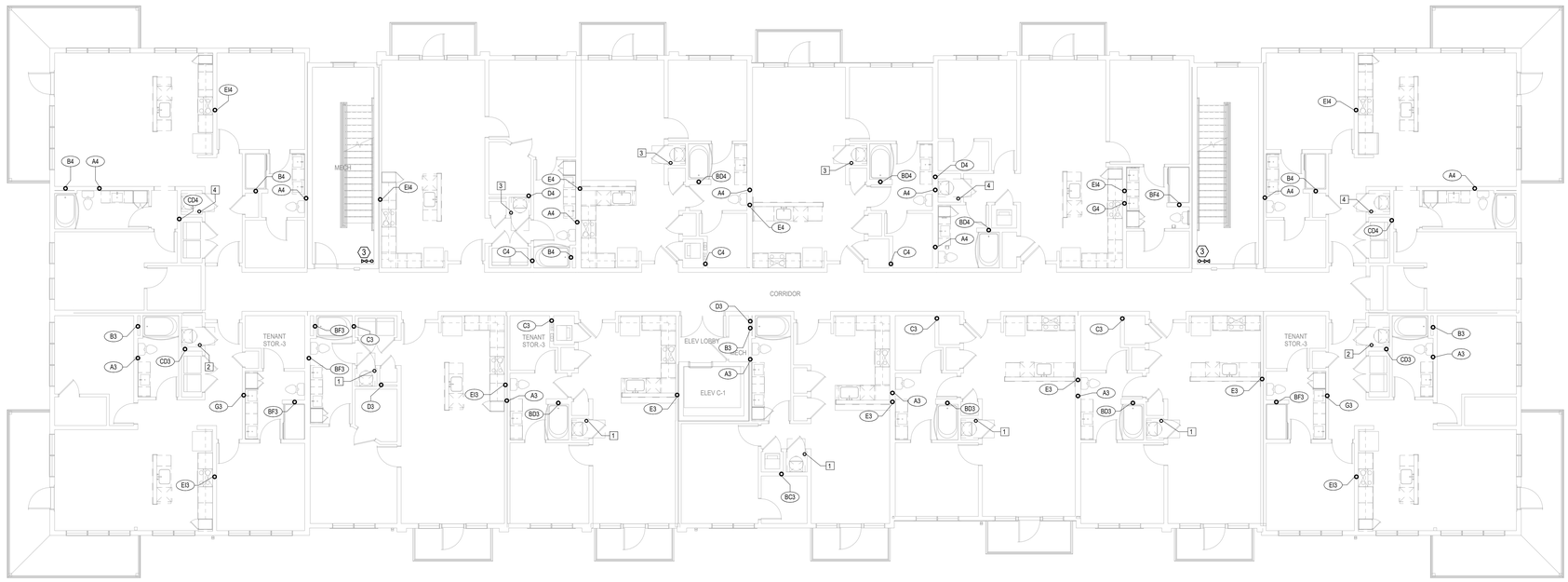

1 BUILDING C - 3RD FLOOR PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 2, 4)

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STATE OF MISSOURI — RICHARD BEARDSLEE — NUMBER PE-2009019324 — PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
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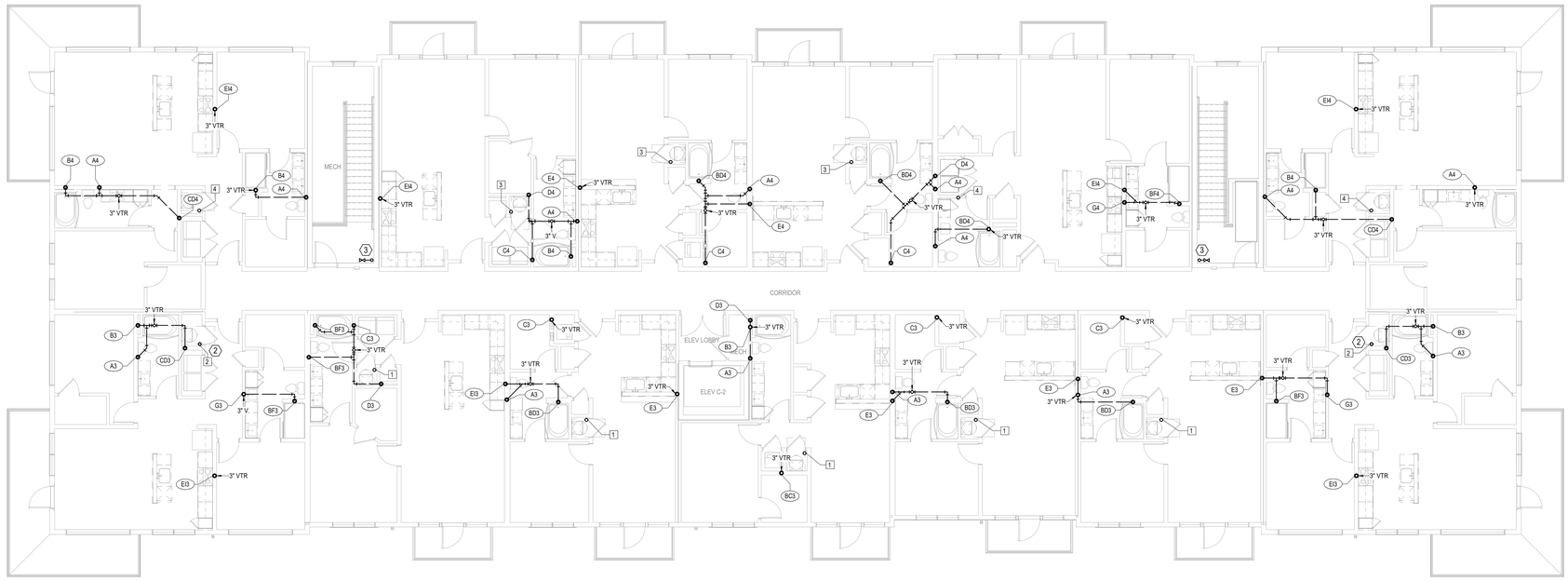
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING C - THIRD FLOOR PLAN - PLUMBING
SHEET NO. P1.33

10/31/2024 9:04:21 AM

ARCH E1.30" x 42"



1 BUILDING C - 4TH FLOOR PLAN

PLUMBING
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(BUILDINGS 2, 4)

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13. FIRE SPRINKLER SHALL BE PROVIDED FOR ALL AREAS OF THE BUILDING PER NFPA. THIS INCLUDES A PROTECTED OR DRY SYSTEM FOR ANY UNHEATED AREAS. NO PIPE SHALL BE EXPOSED TO FREEZING TEMPERATURES.
14. PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.

LEGEND:
1 PROVIDE HUB DRAIN IN MECHANICAL CLOSETS.
2 3/4" CW UP TO ROOF HYDRANT.
3 CLASS 1 MANUAL STANDPIPE WITH VALVE.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/29/24

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
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NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS,66207
-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009019324
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

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2 10.29.2024 City Comments 1

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME
BUILDING C - FOURTH FLOOR PLAN - PLUMBING
SHEET NO.
P1.34

10/31/2024 9:04:23 AM

ARCH E1.35" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/2024

PLUMBING NOTES:
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6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE. 2
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LEGEND:
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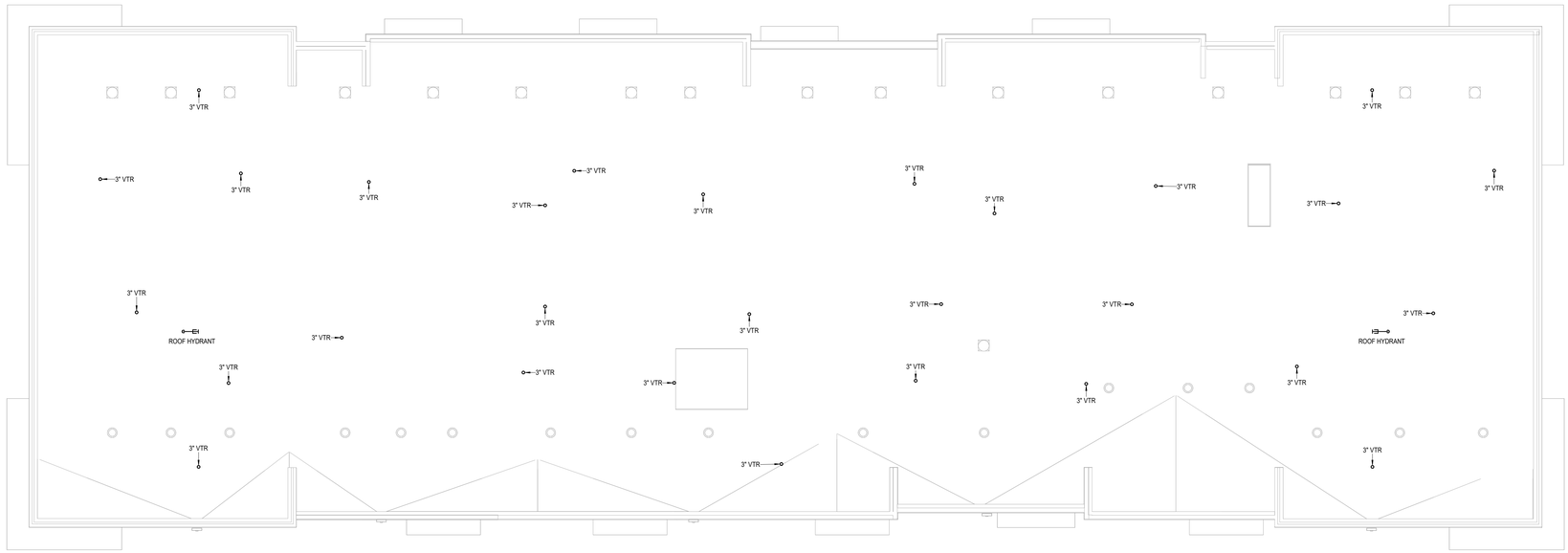
3 CLASS 1 MANUAL STANDPIPE WITH VALVE.



1 BUILDING C - ROOF PLAN

PLUMBING
1/8" = 1'-0"
(BUILDINGS 2, 4)

nspj ARCHITECTS
ARCHITECTURE
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ARCHITECTURE
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STATE OF MISSOURI — RICHARD BEARDSLEE — NUMBER PE-2009010324 — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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9625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING C - ROOF PLAN - PLUMBING
SHEET NO. P1.35

10/31/2024 9:04:23 AM

ARCH E1.30" x 42"

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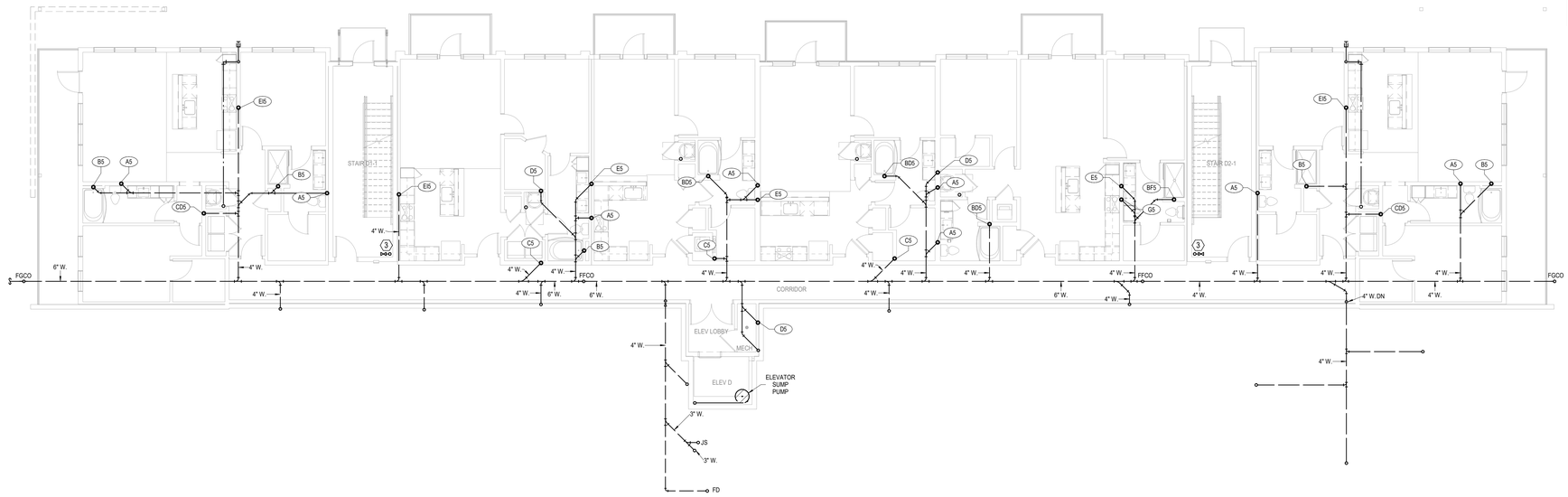

NORTH

1 BUILDING D - BASEMENT FLOOR PLAN

PLUMBING
1/8" = 1'-0"

nspj ARCHITECTS
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ARCHITECTURE
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KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARD HUNTER
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

REVISIONS
2 10.29.2024 City Comments 1

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Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - BASEMENT FLOOR PLAN - PLUMBING
SHEET NO. P1.40

10/31/2024 9:04:24 AM

ARCH E1.30" x 42"

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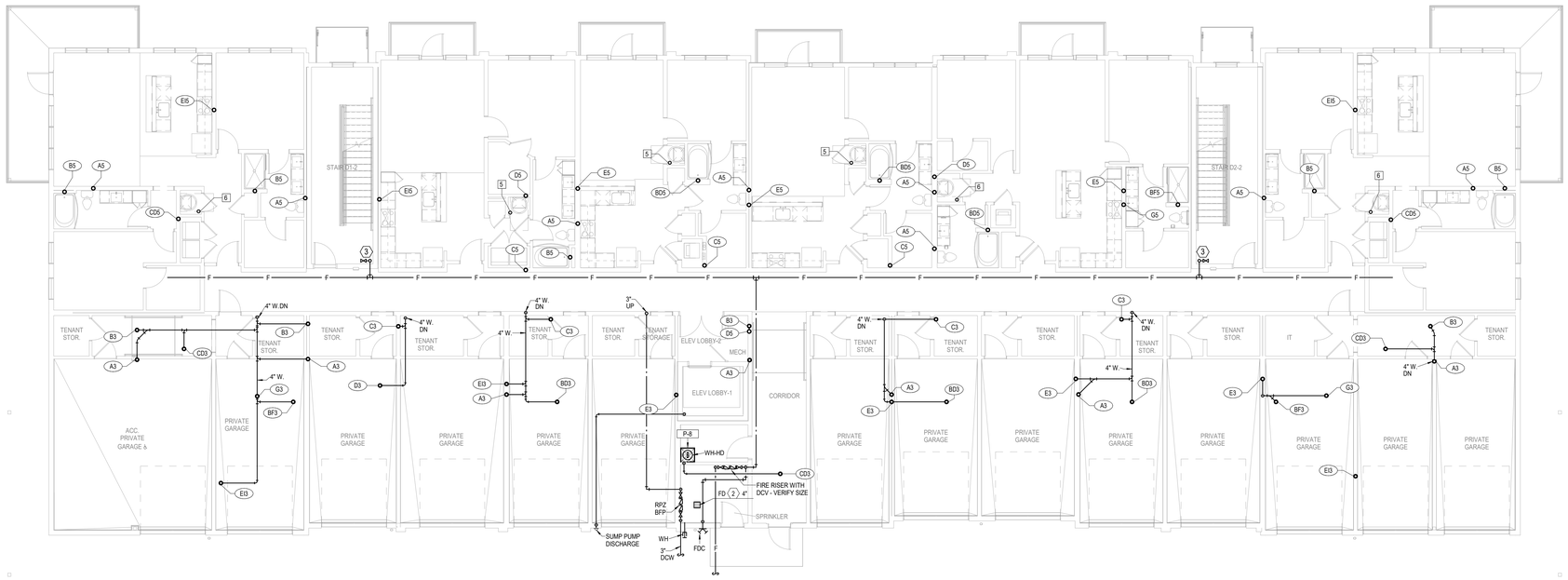

1 BUILDING D - 1ST FLOOR PLAN
PLUMBING
1/8" = 1'-0"

nspj ARCHITECTS
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KANSAS, 66207

STATE OF MISSOURI · RICHARD BEARDSLEY · NUMBER PE-2009012024 · PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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2 10.29.2024 City Comments 1

LS&A Latimer Sommers & Associates P.A.
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9625 College Boulevard, Suite 102
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME
BUILDING D - FIRST FLOOR PLAN - PLUMBING
SHEET NO.
P1.41

10/31/2024 9:04:25 AM

ARCH E1.39" x 42"

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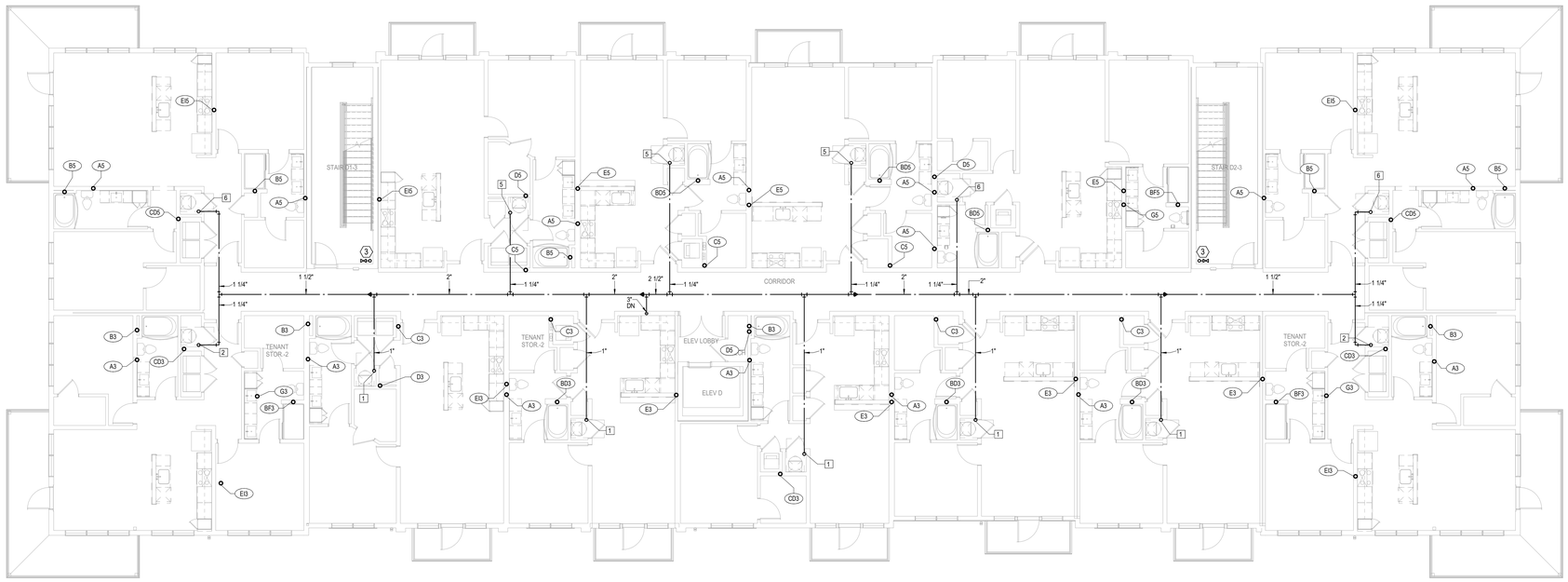

1 BUILDING D - 2ND FLOOR PLAN

PLUMBING

1/8" = 1'-0"

nspj ARCHITECTS
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KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARDSLEY
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

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REVISIONS
2 10.29.2024 City Comments 1

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Topeka, Kansas 6614-3974
5625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - SECOND FLOOR PLAN - PLUMBING
SHEET NO. P1.42

10/31/2024 9:04:27 AM

ARCH E1.39" x 42"

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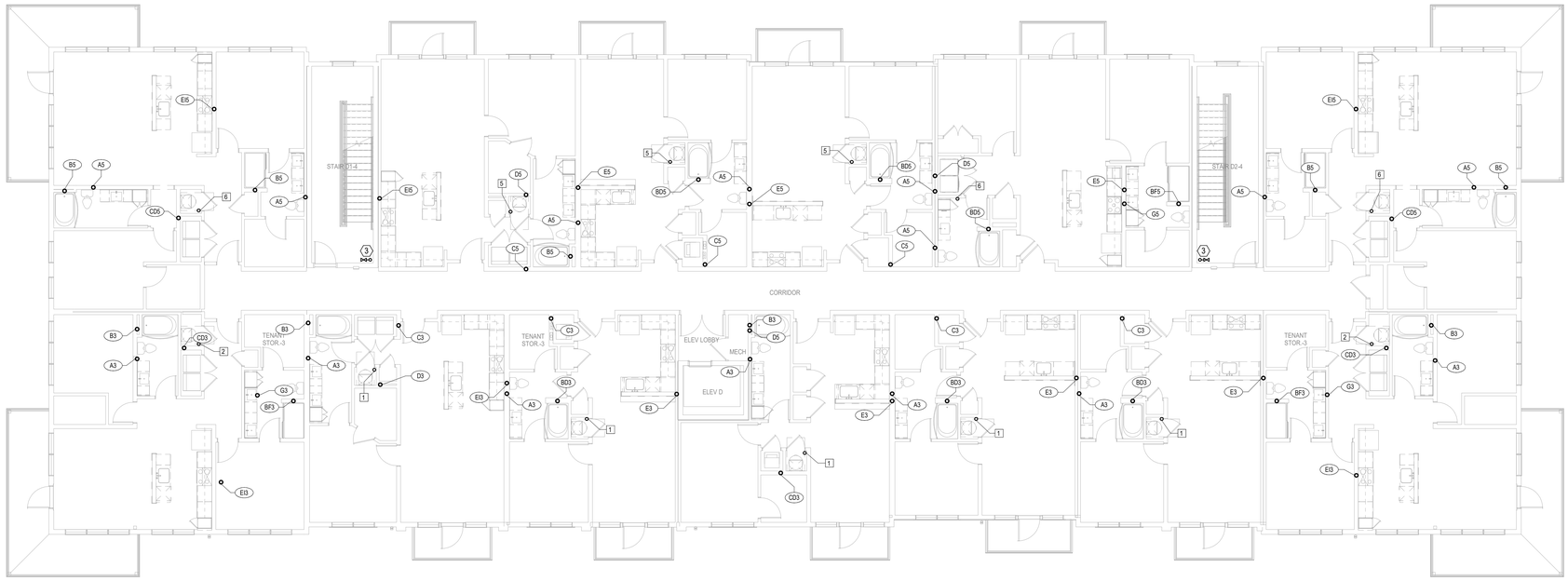
Lee's Summit, Missouri
10/31/24



1 BUILDING D - 3RD FLOOR PLAN

PLUMBING

1/8" = 1'-0"

PLUMBING NOTES:

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LEGEND:

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2. 3/4" CW UP TO ROOF HYDRANT.
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nspj ARCHITECTS
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KANSAS, 66207

STATE OF MISSOURI — RICHARD BEARDSLEE — NUMBER PE-2009010324 — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - THIRD FLOOR PLAN - PLUMBING
SHEET NO. P1.43

10/31/2024 9:04:27 AM

ARCH E1.35" x 42"

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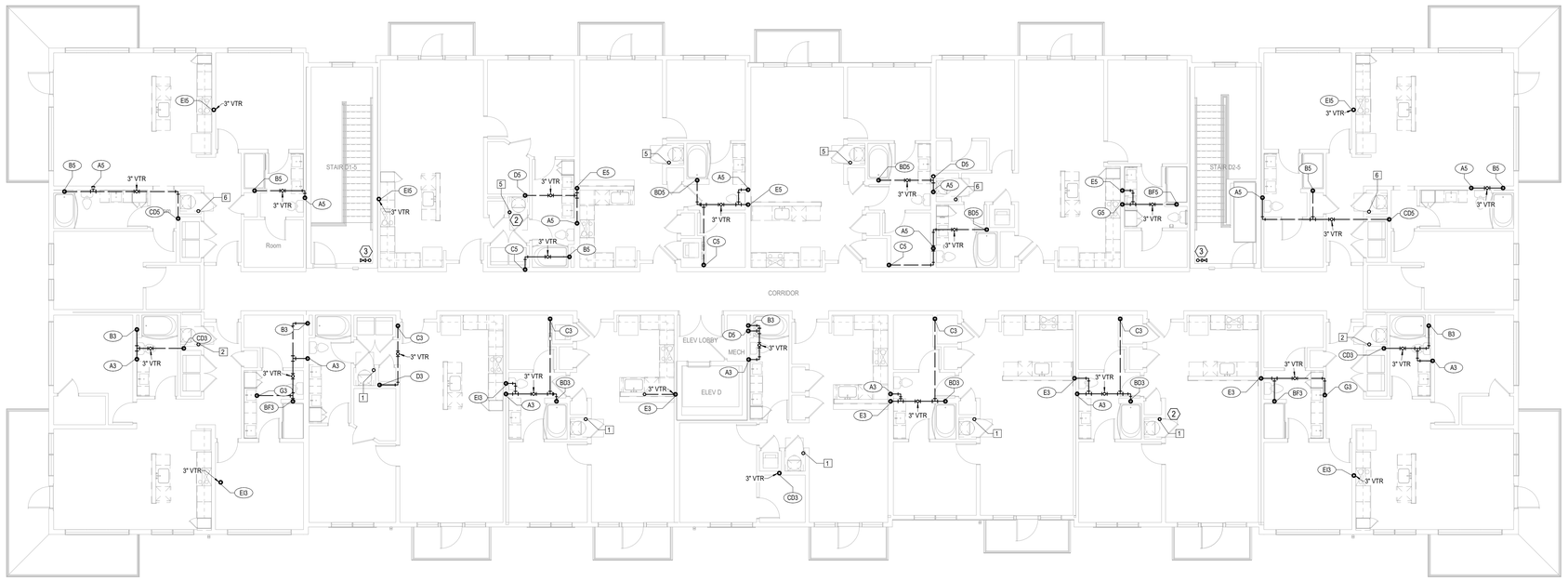

1 BUILDING D - 4TH FLOOR PLAN

PLUMBING
1/8" = 1'-0"

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A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME
BUILDING D - FOURTH FLOOR PLAN - PLUMBING
SHEET NO.
P1.44

10/31/2024 9:04:29 AM

ARCH E1.30" x 42"

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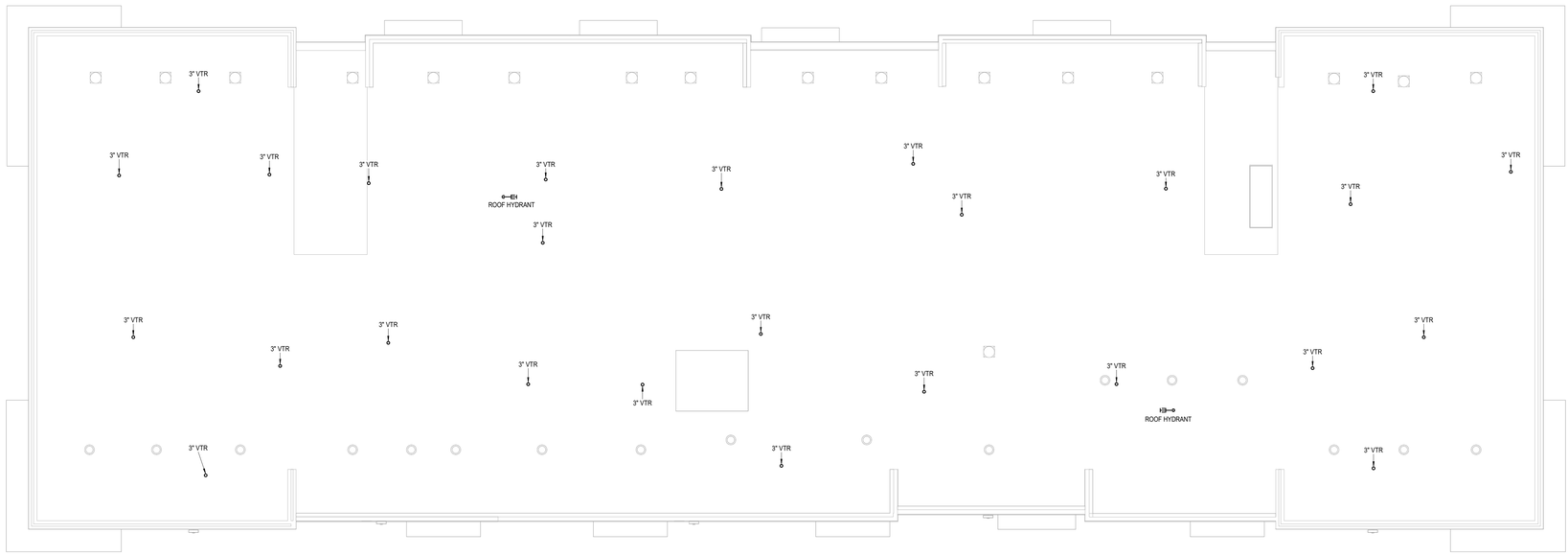
3 CLASS 1 MANUAL STANDPIPE WITH VALVE.



1 BUILDING D - ROOF PLAN
PLUMBING
1/8" = 1'-0"

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARDSLEY
NUMBER
PE-2009107558
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

REVISIONS
2 10.29.2024 City Comments 1

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
9625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - ROOF PLAN - PLUMBING
SHEET NO. P1.45

10/31/2024 9:04:29 AM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/24

UNIT PLUMBING NOTES:
1. ROUTE TOP FLOOR SUPPLY PLUMBING IN CEILING BELOW. NO SUPPLY IN ATTIC.
2. PROVIDE AIR CHAMBERS ON P-4, P-5, AND P-6.
3. CONNECT DISHWASHERS, DISPOSERS, ICE MAKERS, WASHERS.
4. PROVIDE 2" HUB DRAIN AT EACH AHU/WH LOCATION.
5. ROUTE 1/2" PEX TO EACH FIXTURE FROM MANIFOLD.
6. P-5, P-6 ON CORRIDOR WALLS SHALL HAVE FIRE PUTTY PADS OR EQUIVALENT FIRE PROTECTION.

LEGEND:
(1) 3/4" WATER SERVICE/SHUT-OFF WITH 3/4" MANIFOLD.
(2) 1" WATER SERVICE/SHUT-OFF WITH MANIFOLD.

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
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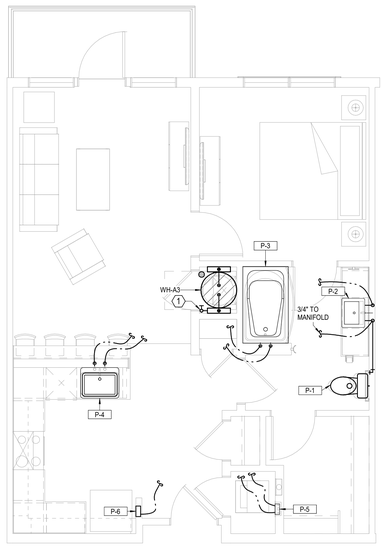
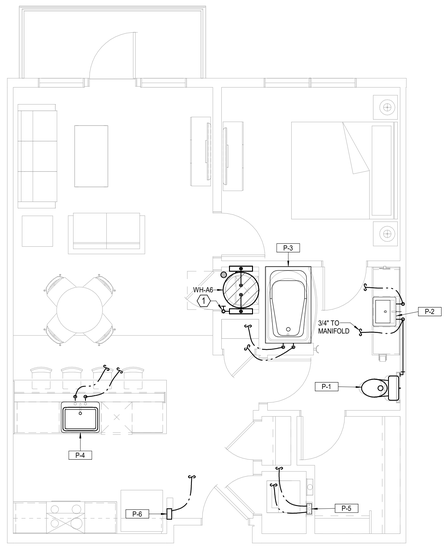
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207

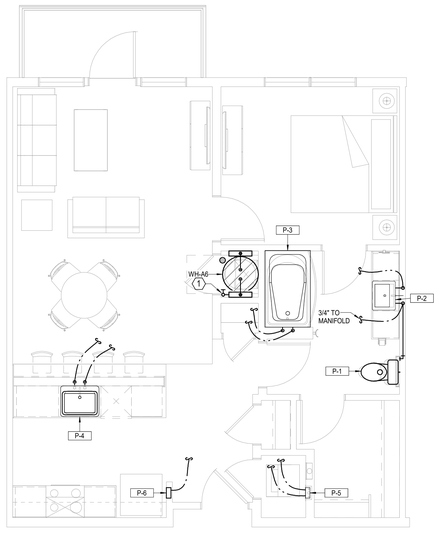
10/29/2024



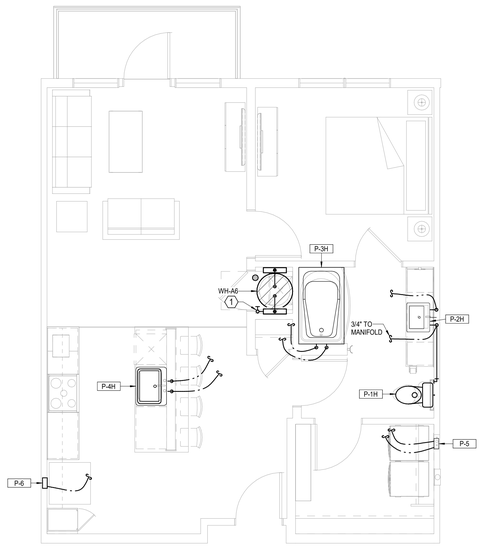
1 UNIT A3
PLUMBING
1/4" = 1'-0"



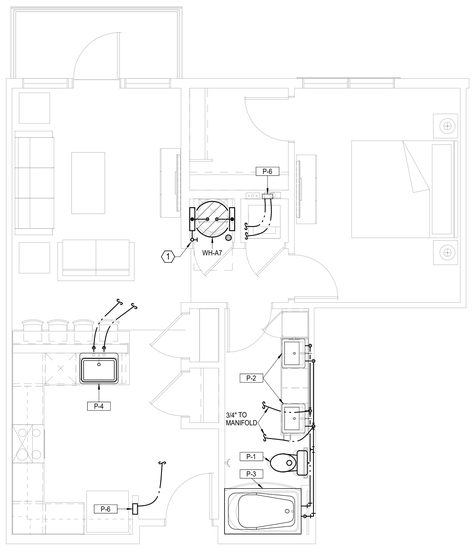
2 UNIT A6
PLUMBING
1/4" = 1'-0"



3 UNIT A6 ALT
PLUMBING
1/4" = 1'-0"



4 UNIT A6 TYPE A
PLUMBING
1/4" = 1'-0"



5 UNIT A7
PLUMBING
1/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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Topeka, Kansas 6614-3974
9625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME PLUMBING UNITS
SHEET NO. P2.01

10/31/2024 9:04:33 AM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
11/12/24

UNIT PLUMBING NOTES:
1. ROUTE TOP FLOOR SUPPLY PLUMBING IN CEILING BELOW. NO SUPPLY IN ATTIC.
2. PROVIDE AIR CHAMBERS ON P-4, P-5. AND P-6.
3. CONNECT DISHWASHERS, DISPOSERS, ICE MAKERS, WASHERS.
4. PROVIDE 2" HUB DRAIN AT EACH AHU/WH LOCATION.
5. ROUTE 1/2" PEX TO EACH FIXTURE FROM MANIFOLD.
6. P-5, P-6 ON CORRIDOR WALLS SHALL HAVE FIRE PUTTY PADS OR EQUIVALENT FIRE PROTECTION.

LEGEND:
(1) 3/4" WATER SERVICE/SHUT-OFF WITH 3/4" MANIFOLD.
(2) 1" WATER SERVICE/SHUT-OFF WITH MANIFOLD.

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
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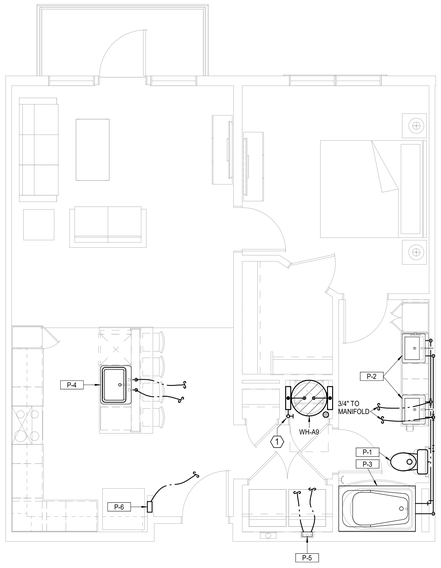
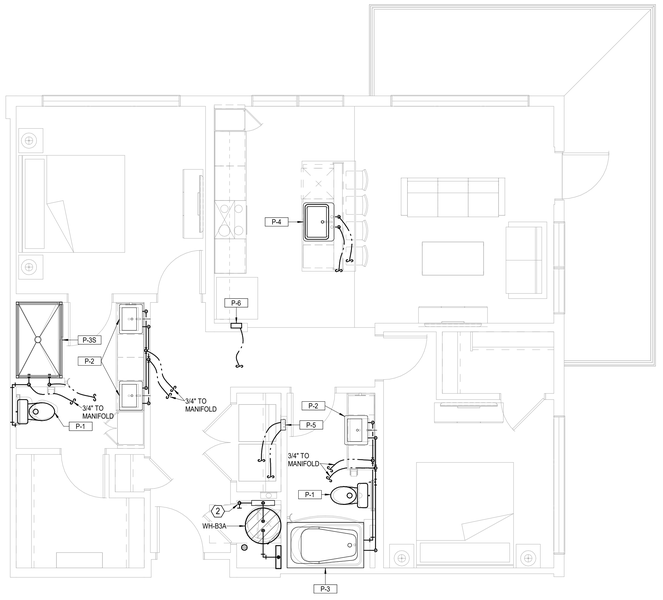
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207

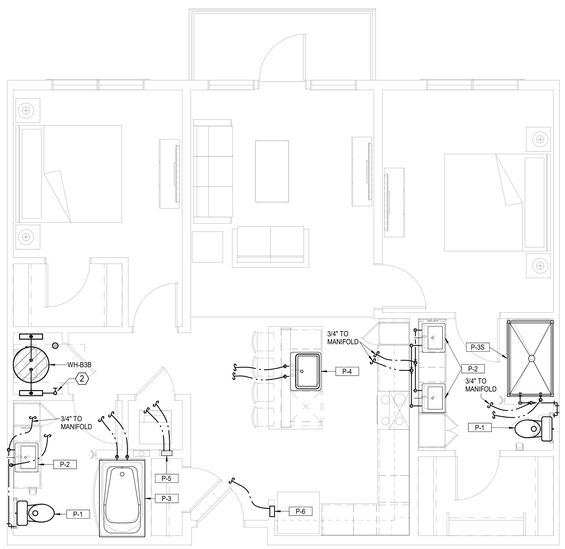
10/29/2024



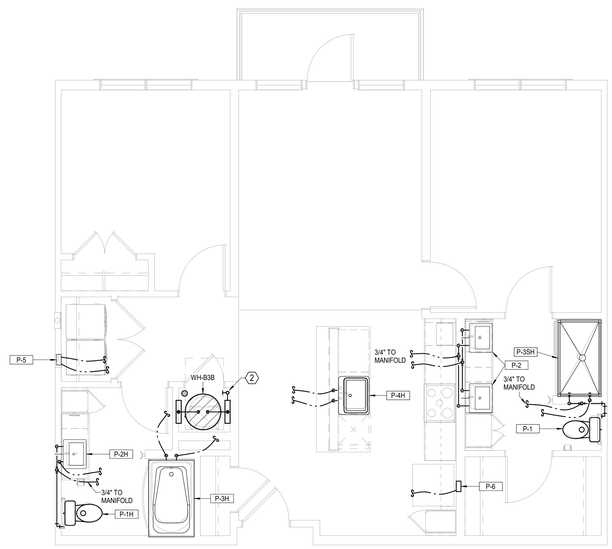
1 **UNIT A9**
PLUMBING
1/4" = 1'-0"



2 **UNIT B3A**
PLUMBING
1/4" = 1'-0"



3 **UNIT B3B**
PLUMBING
1/4" = 1'-0"



4 **UNIT B3B TYPE A**
PLUMBING
1/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△REVISIONS

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Latimer Sommers & Associates P.A.
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Topeka, Kansas 6614-3974
9625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME PLUMBING UNITS
SHEET NO. P2.02

10/31/2024 9:04:35 AM

ARCH E1.39" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/24

UNIT PLUMBING NOTES:
1. ROUTE TOP FLOOR SUPPLY PLUMBING IN CEILING BELOW. NO SUPPLY IN ATTIC.
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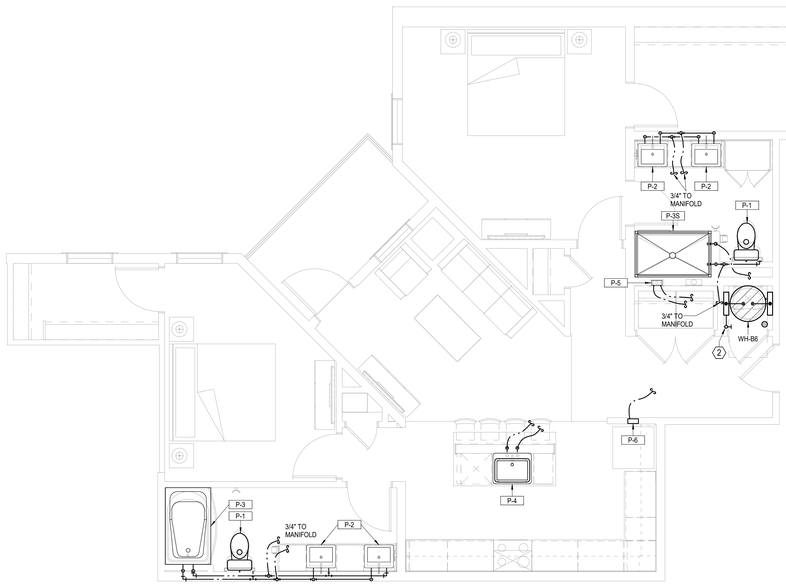
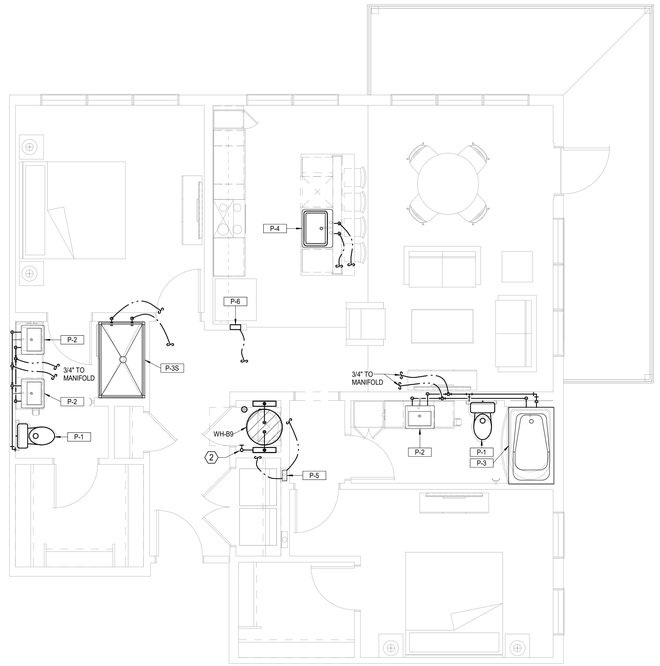
nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS,66207

10/29/2024



1 **UNIT B6**
PLUMBING
1/4" = 1'-0"



2 **UNIT B9**
PLUMBING
1/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△REVISIONS

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9625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
PLUMBING UNITS

SHEET NO.
P2.03

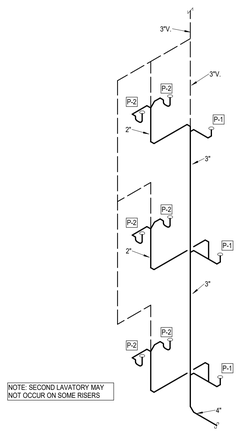
10/31/2024 9:04:37 AM

ARCH E1.30" x 42"

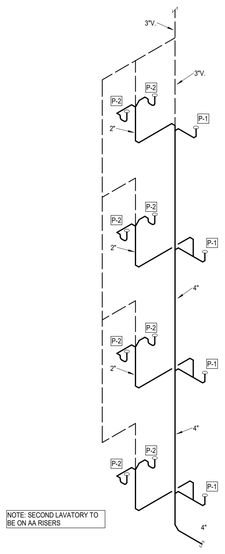
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/2024

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS,66207

10/29/2024



A3 Plumbing Riser
NOT TO SCALE



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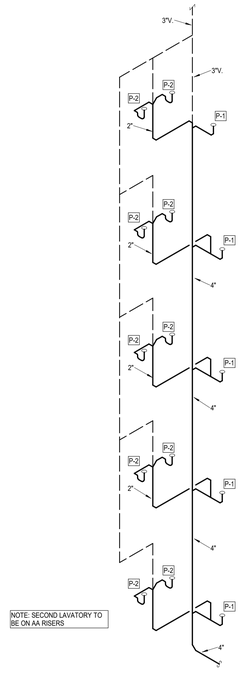

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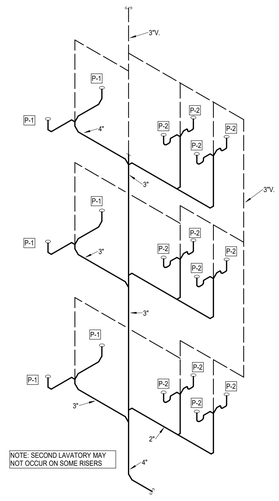

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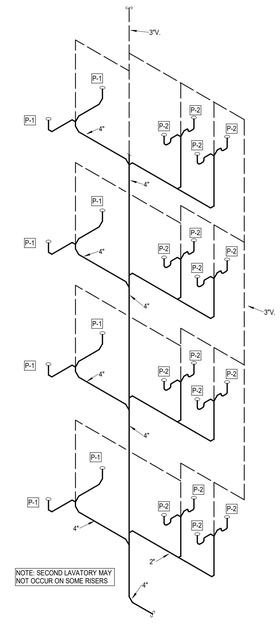

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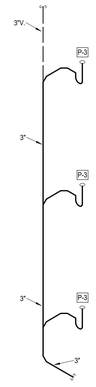

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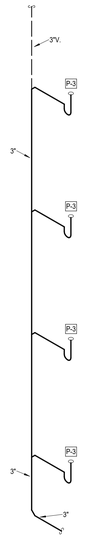

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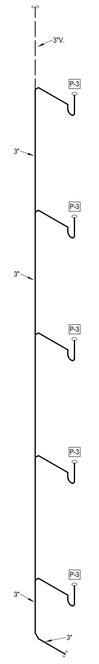

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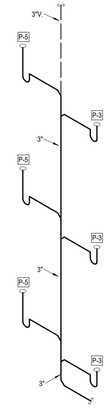

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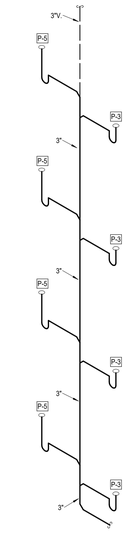

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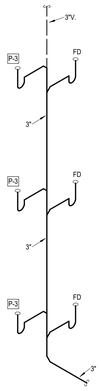

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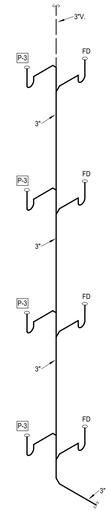

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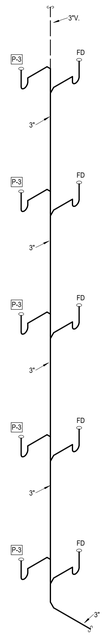

BD5 Plumbing Riser
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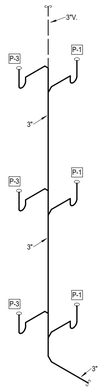

BF3 Plumbing Riser
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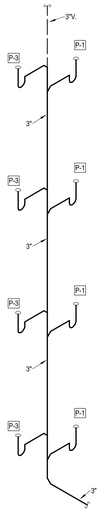

BF4 Plumbing Riser
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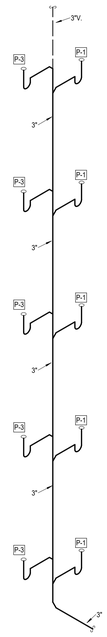

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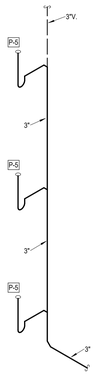
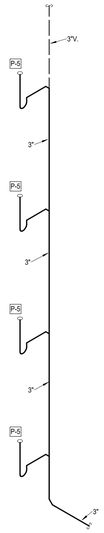
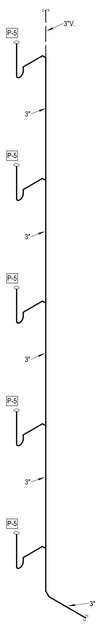


C3 Plumbing Riser
NOT TO SCALE



C4 Plumbing Riser
NOT TO SCALE



C5 Plumbing Riser
NOT TO SCALE

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△REVISIONS

LS&A
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
PLUMBING RISER DIAGRAMS
SHEET NO.
P3.01

10/31/2024 9:04:38 AM

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

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P. 913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207

10/29/2024

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 08.13.24 PERMIT SET

△REVISIONS

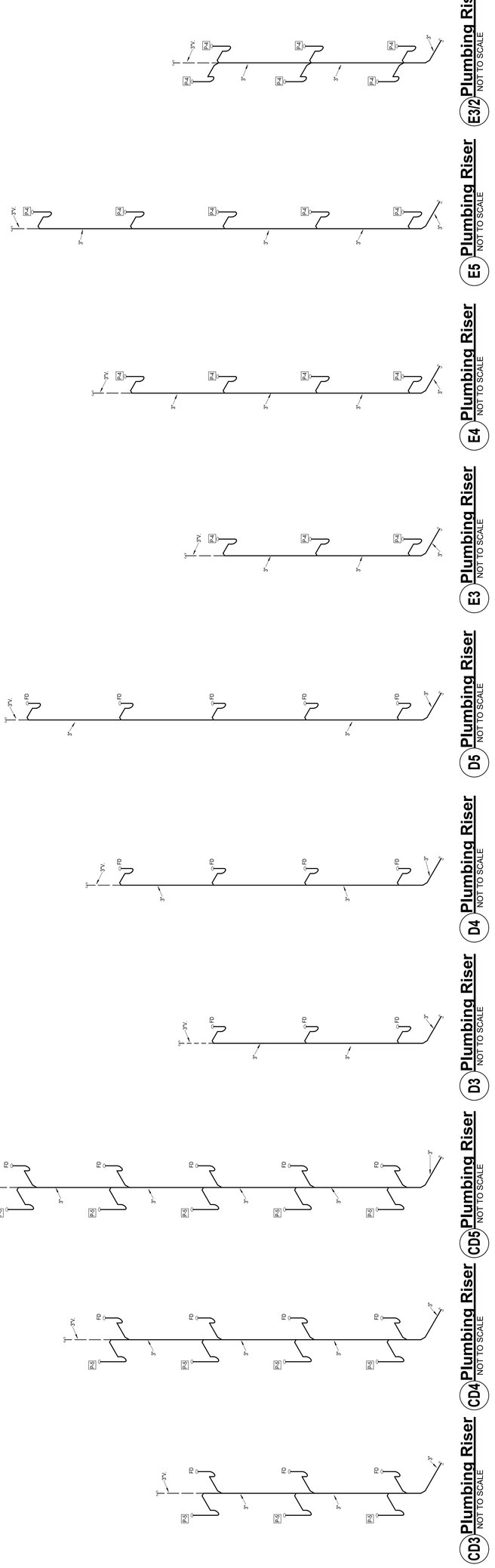
LS&A
Lattner Sisserson & Associates
CONSULTING ENGINEERS
3839 SW Summerfield Drive, Suite A
Lee's Summit, Missouri 64082
8826 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (816) 333-3322
Email: info@LSAeng.com
LSA PROJECT NO. 2444007

JOB NO. 720522
DATE 09.16.2024
DRAWN BY AM/MF

SHEET NAME
PERMIT SET

SHEET NAME
PLUMBING RISER DIAGRAMS

SHEET NO.
P3.02

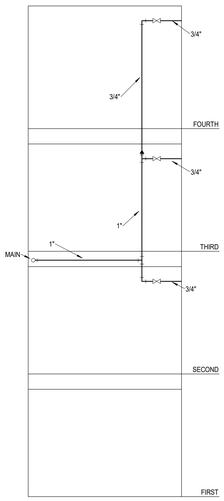


ARCH E1.3/0" x 42"

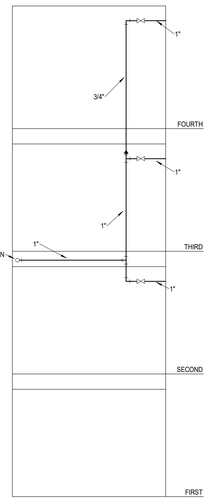
RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/24

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE, KANSAS, 66207
-7724

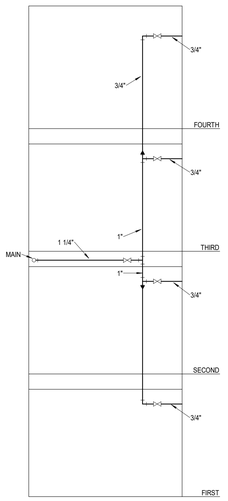
10/29/2024



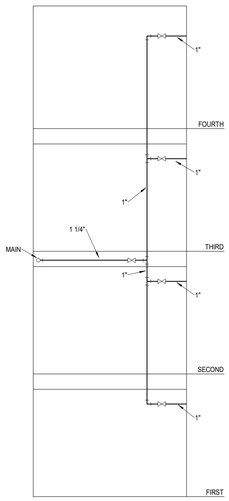
1 Plumbing Riser
NOT TO SCALE



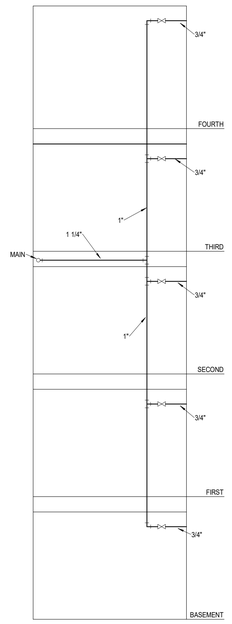
2 Plumbing Riser
NOT TO SCALE



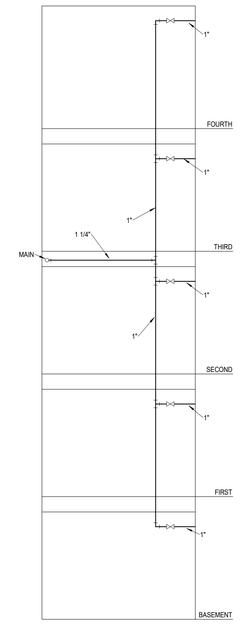
3 Plumbing Riser
NOT TO SCALE



4 Plumbing Riser
NOT TO SCALE



5 Plumbing Riser
NOT TO SCALE
ONE BATH



6 Plumbing Riser
NOT TO SCALE

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△REVISIONS

LS&A Latimer Sommers & Associates P.A.
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3639 SW Summerfield Drive, Suite A
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8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
PLUMBING RISER DIAGRAMS
SHEET NO.
P3.03

10/31/2024 9:04:39 AM

ARCH E1.30" x 42"

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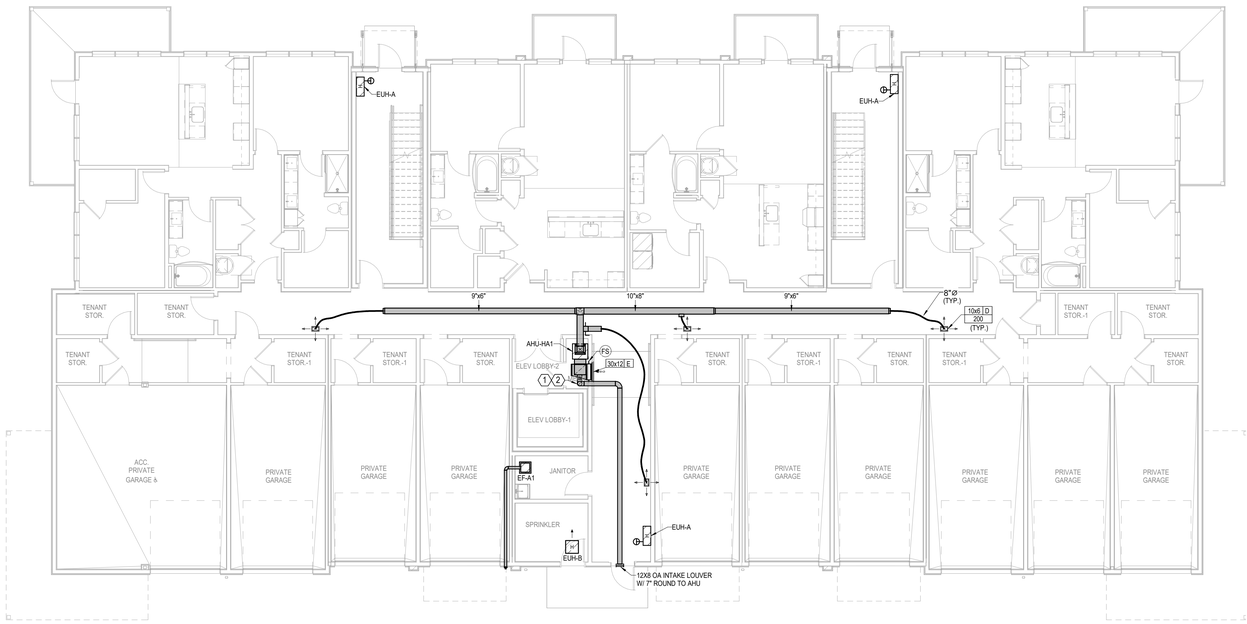
Development Services Department
Lee's Summit, Missouri
10/29/24

MECHANICAL NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING, AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.
7. CORRIDOR AHU'S TO HAVE THERMOSTAT MOUNTED NEAR RETURN GRILLE WITH GUARD.
8. DUCTLESS SPLITS (DSS) ROUTE CONDENSATE DRAIN TO NEARBY LAVATORY TAILPIECE, FLOOR DRAIN, SINK TAILPIECE.

LEGEND:	
1	AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
2	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING A - 1ST FLOOR PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009012024
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
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JOB NO. 720522
DATE 09.16.2024
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PERMIT SET

SHEET NAME
BUILDING A - FIRST FLOOR PLAN - HVAC
SHEET NO.
M1.11

10/31/2024 9:04:41 AM

ARCH E1.39" x 42"

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Lee's Summit, Missouri
11/12/24

MECHANICAL NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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LEGEND:	
1	AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
2	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.

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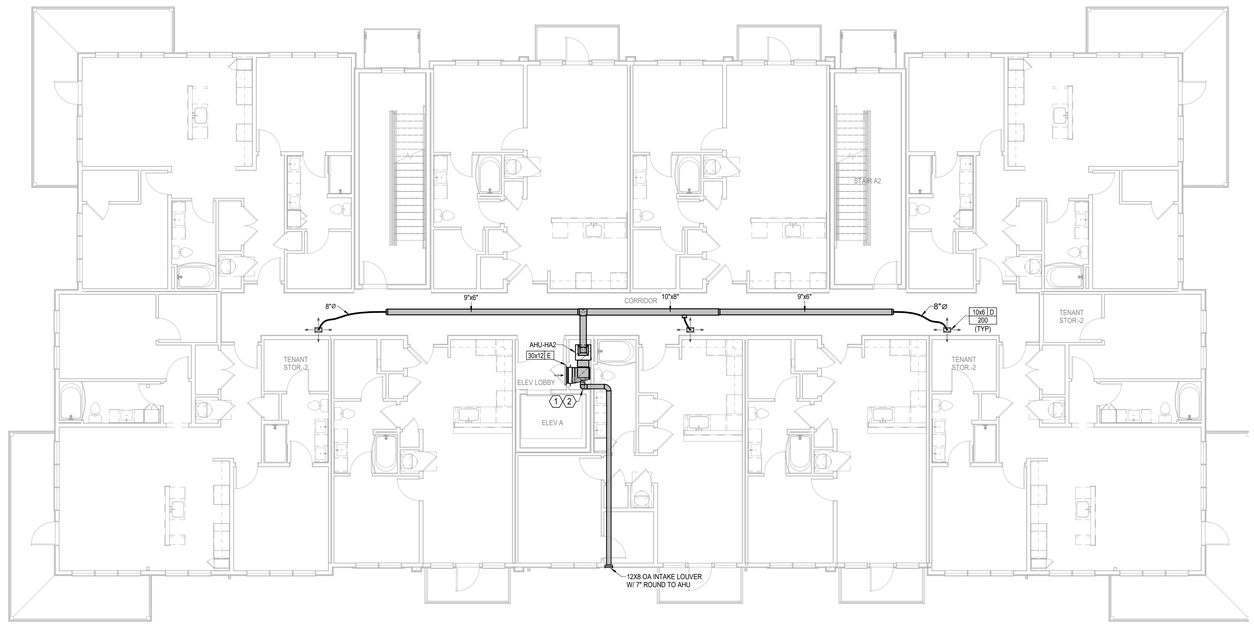
STATE OF MISSOURI
RICHARD BEARDSLEY
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER
11-7-24

10/29/2024



1 BUILDING A - 2ND FLOOR PLAN

HVAC
1/8" = 1'-0"
BUILDINGS 1, 5, 7, 8

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
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JOB NO. 720522
DATE 09.16.2024
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SHEET NAME
BUILDING A - SECOND FLOOR PLAN - HVAC
SHEET NO.
M1.12

10/31/2024 9:04:42 AM

ARCH E1.30" x 42"

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MECHANICAL NOTES:
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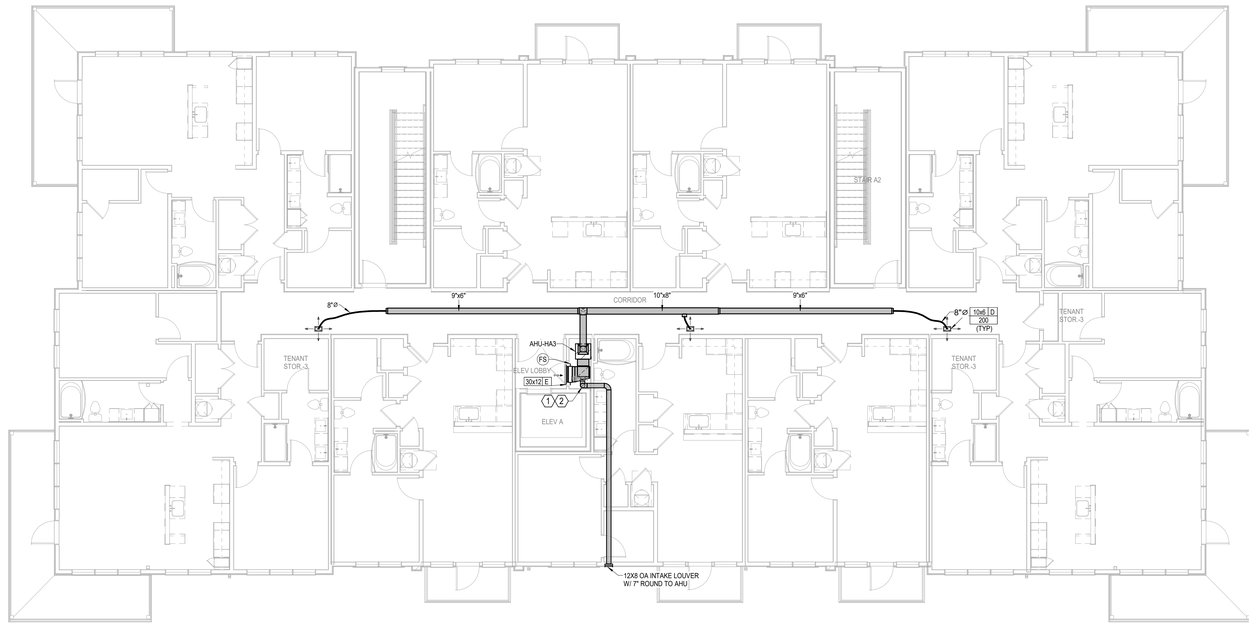
LEGEND:	
(1)	AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
(2)	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING A - 3RD FLOOR PLAN

HVAC
1/8" = 1'-0"
BUILDINGS 1, 5, 7, 8

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STATE OF MISSOURI
RICHARD BEARD PATTON
NUMBER
PE-2009010588
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
BUILDING A - THIRD FLOOR PLAN - HVAC
SHEET NO.
M1.13

10/31/2024 9:04:44 AM

ARCH E1.30" x 42"

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MECHANICAL NOTES:
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LEGEND:
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(2) PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.

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STATE OF MISSOURI
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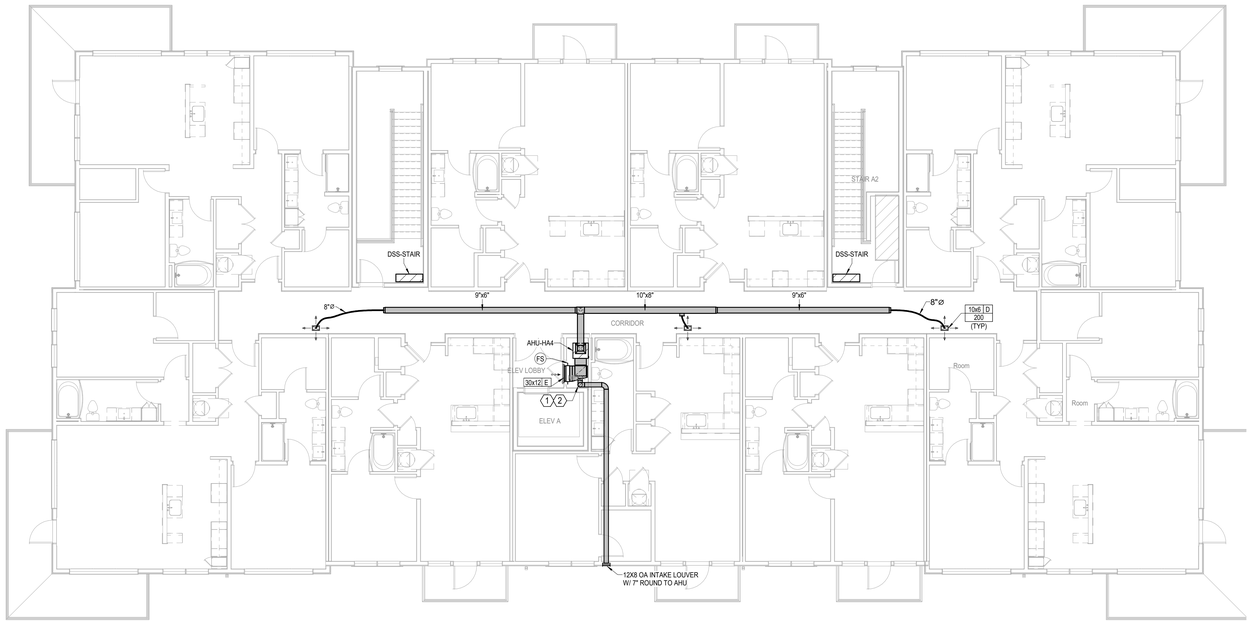
NUMBER
PE-2009010024
PROFESSIONAL ENGINEER
10/29/2024



1 BUILDING A - 4TH FLOOR PLAN

HVAC
1/8" = 1'-0"
BUILDINGS 1, 5, 7, 8

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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JOB NO. 720522
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SHEET NAME
BUILDING A - FOURTH FLOOR PLAN - HVAC
SHEET NO.
M1.14

10/31/2024 9:00:45 AM

ARCH E1.30" x 42"

MECHANICAL NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
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LEGEND:
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(2) PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.

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Development Services Department
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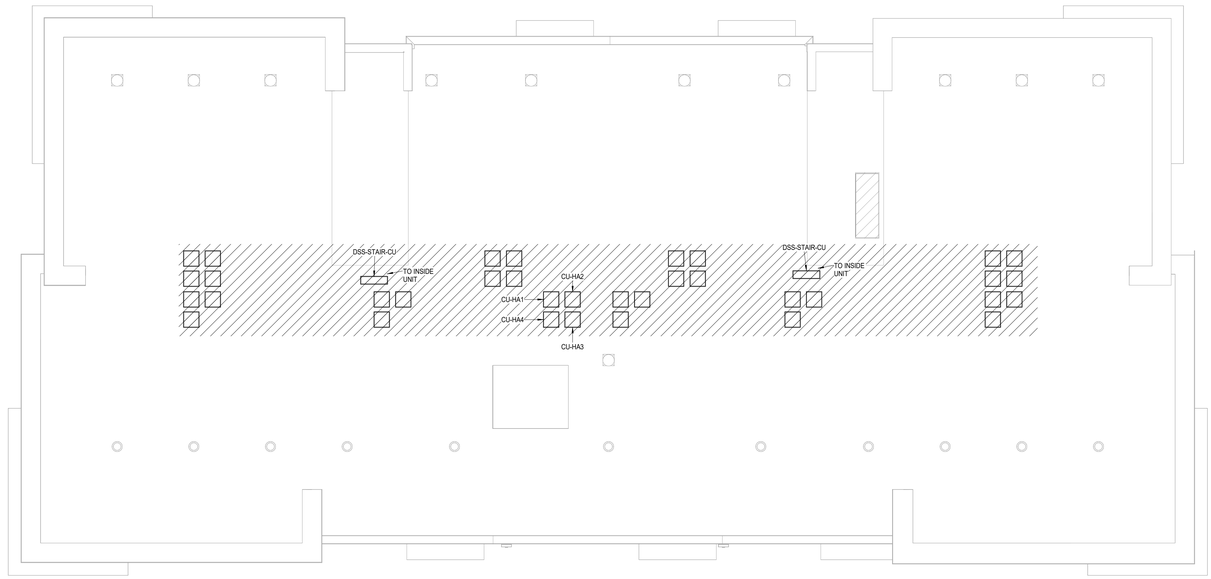

1 BUILDING A - ROOF PLAN

HVAC
1/8" = 1'-0"
BUILDINGS 1, 5, 7, 8

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
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JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING A - ROOF PLAN - HVAC
SHEET NO. M1.15

10/31/2024 9:04:46 AM

ARCH E1.30" x 42"

MECHANICAL NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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LEGEND:	
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KANSAS,66207
-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

1 BUILDING B - 1ST FLOOR PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 3, 6)

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

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- 09.16.24 PERMIT SET

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Email: lsapa@lsapa.com
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JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - FIRST FLOOR PLAN - HVAC
SHEET NO. M1.21

10/31/2024 9:04:48 AM

ARCH E1.30" x 42"

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10/31/24

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LEGEND:
(1) AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
(2) PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.

1 BUILDING B - 2ND FLOOR PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 3, 6)

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STATE OF MISSOURI
RICHARD BEARD HUNTER
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - SECOND FLOOR PLAN - HVAC
SHEET NO. M1.22

10/31/2024 9:04:51 AM

ARCH E1.30" x 42"

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Development Services Department
Lee's Summit, Missouri
10/18/24

1 BUILDING B - 3RD FLOOR PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 3, 6)

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10/29/2024

A NEW MULTI-FAMILY PROJECT:
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Topeka, Kansas 6614-3974
5620 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - THIRD FLOOR PLAN - HVAC
SHEET NO. M1.23

10/31/2024 9:04:53 AM

ARCH E1.30" x 42"

1 BUILDING B - 4TH FLOOR PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 3, 6)

MECHANICAL NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING, AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.
7. CORRIDOR AHU'S TO HAVE THERMOSTAT MOUNTED NEAR RETURN GRILLE WITH GUARD.
8. DUCTLESS SPLITS (DSS) ROUTE CONDENSATE DRAIN TO NEARBY LAVATORY TAILPIECE, FLOOR DRAIN, SINK TAILPIECE.

LEGEND:

1. AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
2. PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/2024

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9415 NALL AVE., #300
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KANSAS,66207

STATE OF MISSOURI
RICHARD BEARD HUNTER
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△REVISIONS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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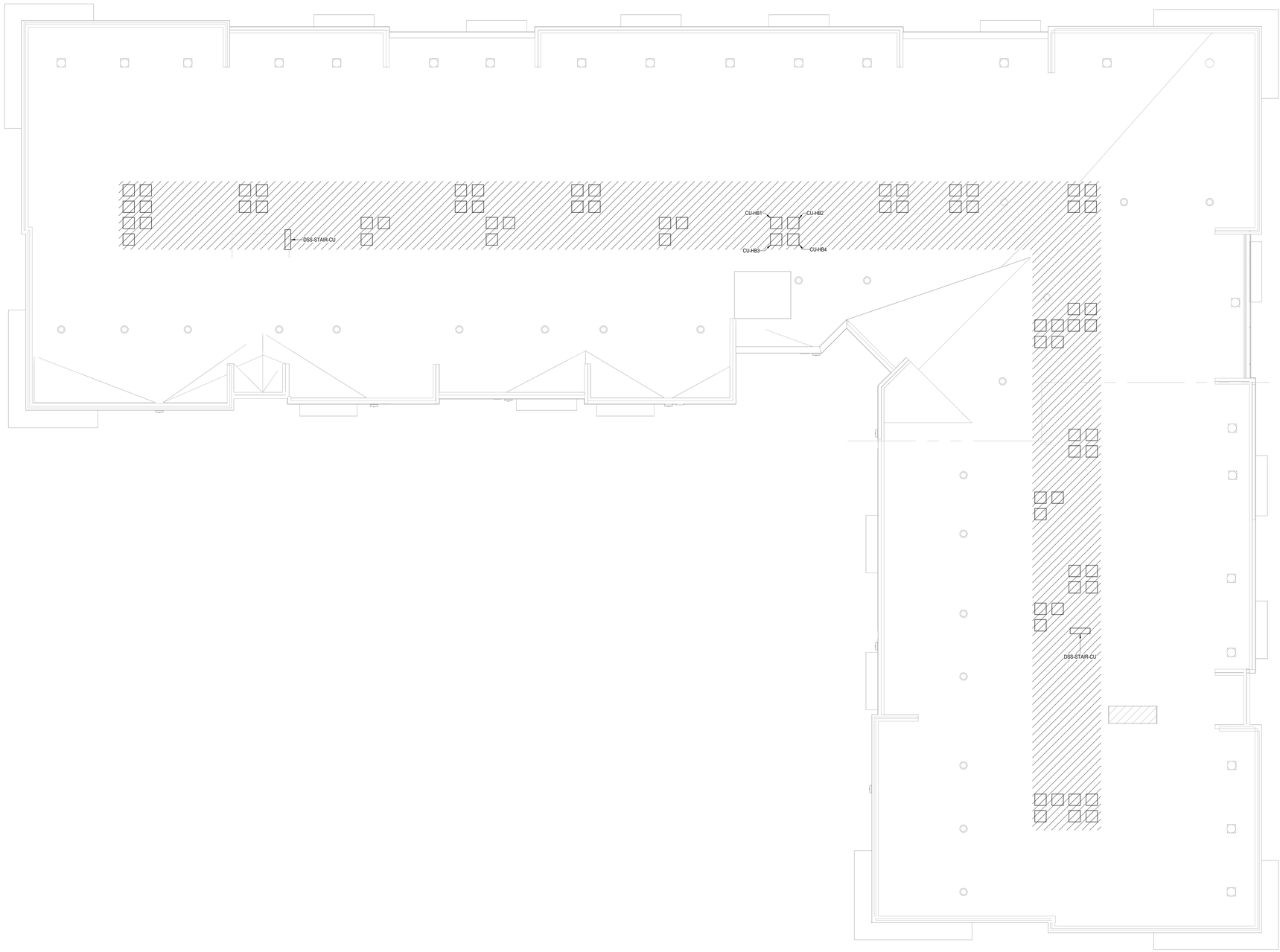
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - FOURTH FLOOR PLAN - HVAC
SHEET NO. M1.24

10/31/2024 9:04:55 AM

ARCH E1.30" x 42"



1 BUILDING B - ROOF PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 3, 6)

MECHANICAL NOTES:
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LEGEND:
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Development Services Department
Lee's Summit, Missouri
11/1/2024

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KANSAS,66207
-7124

STATE OF MISSOURI
RICHARD BEARD LEE
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - ROOF PLAN - HVAC
SHEET NO. M1.25

10/31/2024 9:04:56 AM

ARCH E1.30" x 42"

MECHANICAL NOTES:
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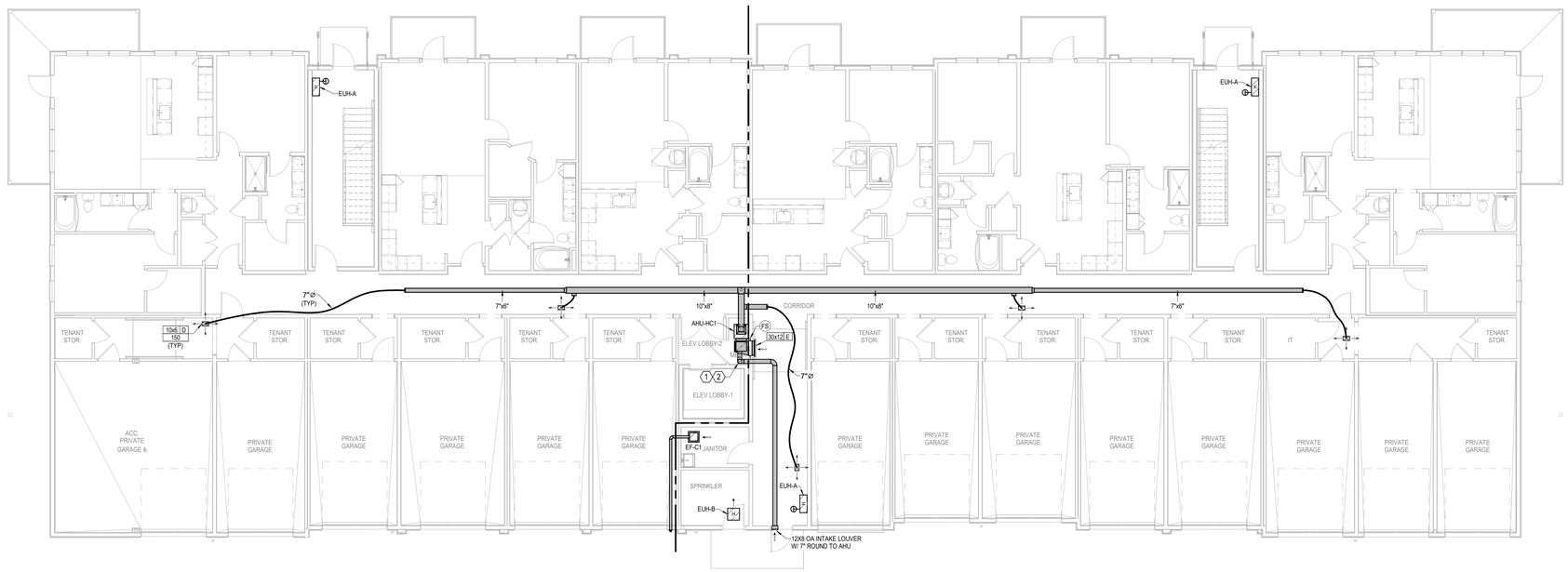
2	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING C - 1ST FLOOR PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 2, 4)

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9415 NALL AVE., #300
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KANSAS,66207

STATE OF MISSOURI
RICHARD BEARD WILLIAMS
NUMBER
PE-2009019324
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING C - FIRST FLOOR PLAN - HVAC
SHEET NO. M1.31

10/31/2024 9:04:57 AM

ARCH E1.30" x 42"

MECHANICAL NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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LEGEND:	
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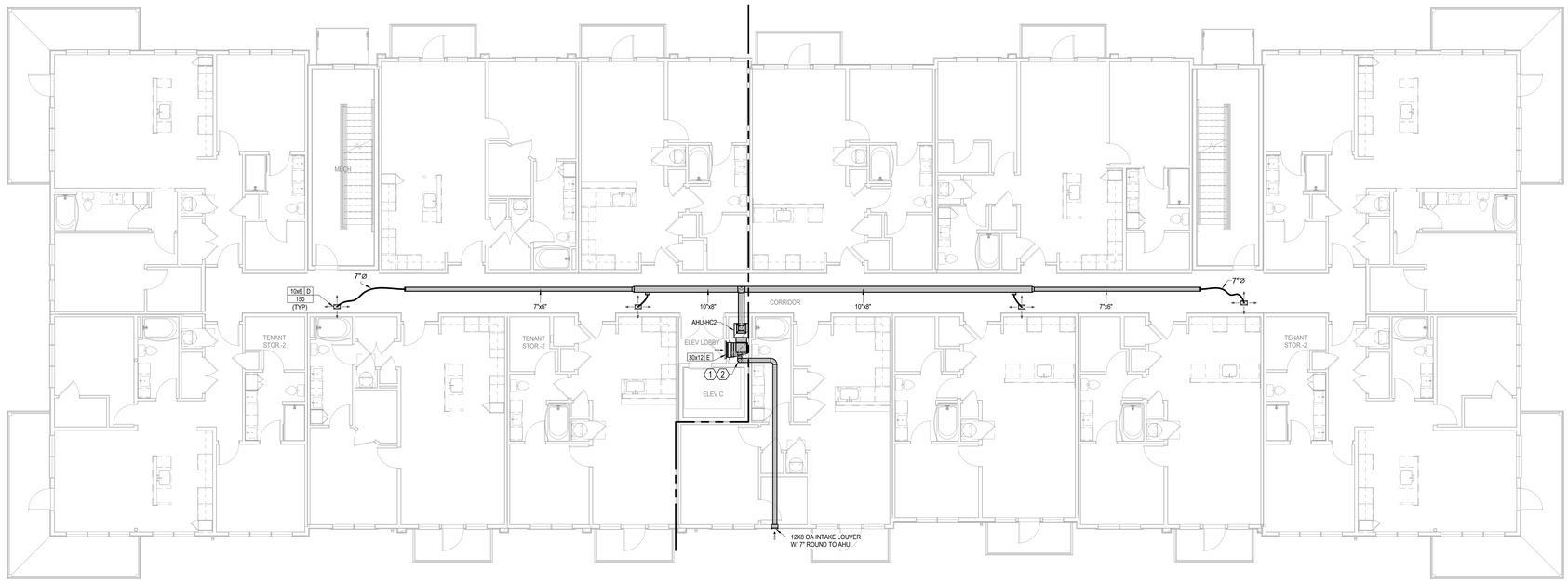
2	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING C - 2ND FLOOR PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 2, 4)

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Development Services Department
Lee's Summit, Missouri
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KANSAS,66207

STATE OF MISSOURI
RICHARD BEARDSLEY
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
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Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING C - SECOND FLOOR PLAN - HVAC
SHEET NO. M1.32

10/31/2024 9:04:59 AM

ARCH E1.30" x 42"

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Lee's Summit, Missouri
10/29/24

MECHANICAL NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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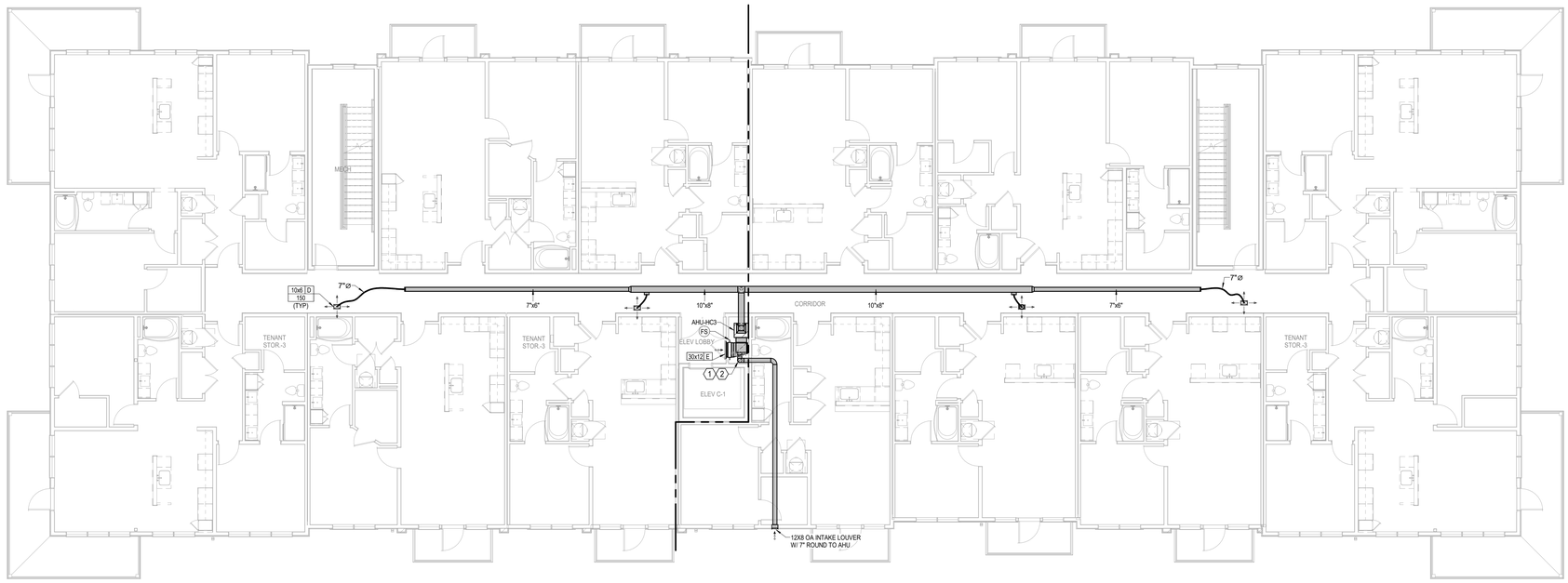
LEGEND:	
1	AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
2	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING C - 3RD FLOOR PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 2, 4)

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KANSAS,66207

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010024
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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5620 College Boulevard, Suite 102
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING C - THIRD FLOOR PLAN - HVAC
SHEET NO. M1.33

10/31/2024 9:05:01 AM

ARCH E1.30" x 42"

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Lee's Summit, Missouri
10/31/24

MECHANICAL NOTES:	
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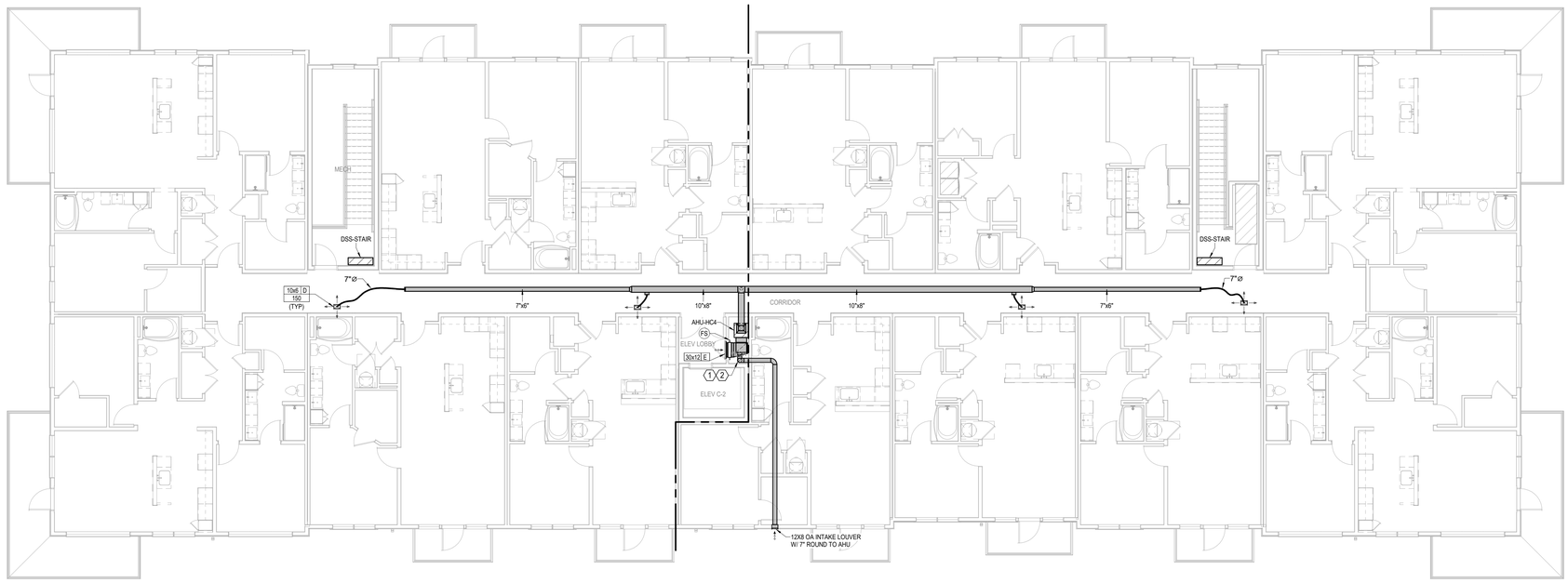
(2)	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING C - 4TH FLOOR PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 2, 4)

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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009012024
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
BUILDING C - FOURTH FLOOR PLAN - HVAC
SHEET NO.
M1.34

10/31/2024 9:05:03 AM

ARCH E1.35" x 42"

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Lee's Summit, Missouri
11/1/2024

MECHANICAL NOTES:
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LEGEND:
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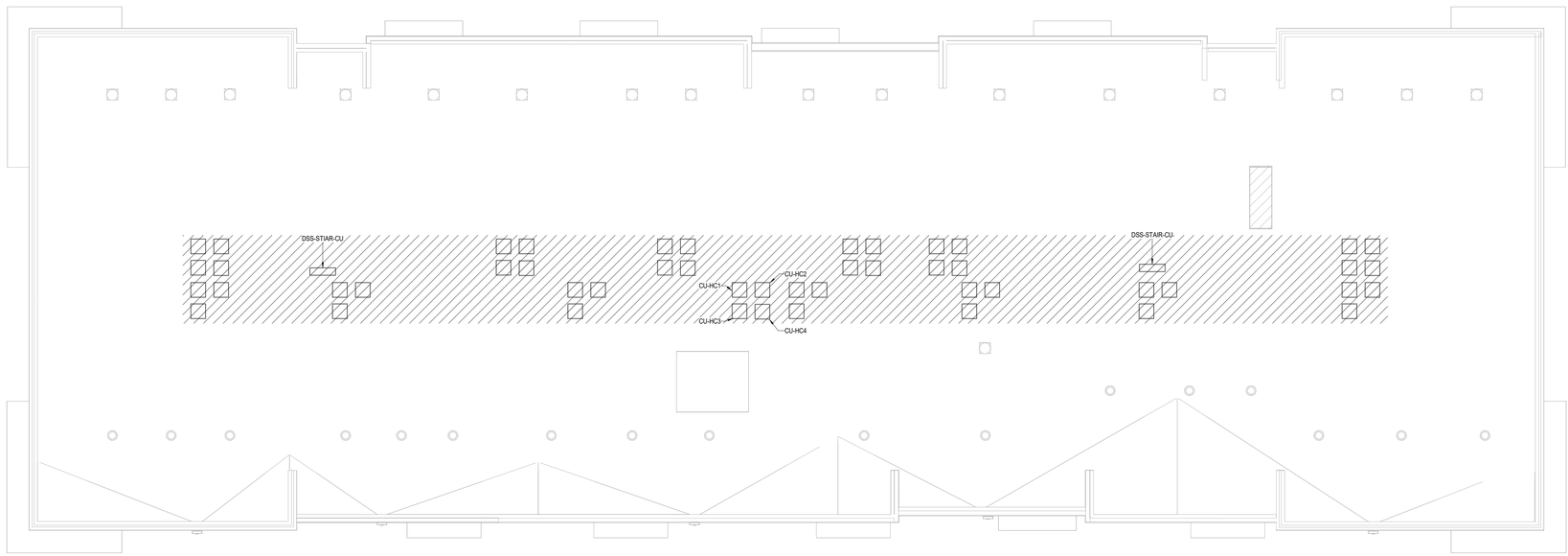

1 BUILDING C - ROOF PLAN

HVAC
1/8" = 1'-0"
(BUILDINGS 2, 4)

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KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARD HUNTER
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
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JOB NO. 720522
DATE 09.16.2024
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PERMIT SET
SHEET NAME BUILDING C - ROOF PLAN - HVAC
SHEET NO. M1.35

10/31/2024 9:05:03 AM

ARCH E1.30" x 42"

MECHANICAL NOTES:	
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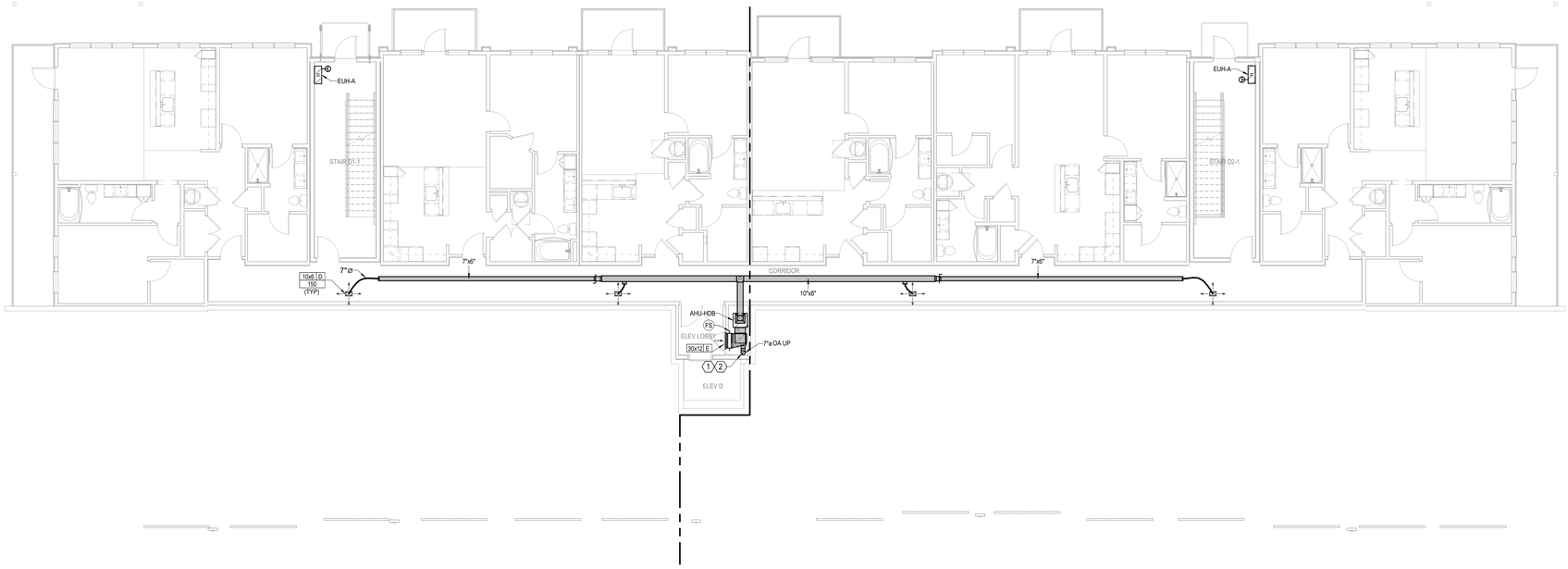

1 BUILDING D - BASEMENT FLOOR PLAN

HVAC
1/8" = 1'-0"

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Development Services Department
Lee's Summit, Missouri
11/12/24

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STATE OF MISSOURI
RICHARD BEARDSLEY
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME
BUILDING D - BASEMENT FLOOR PLAN - HVAC
SHEET NO.
M1.40

10/31/2024 9:05:04 AM

ARCH E1 30" x 42"

MECHANICAL NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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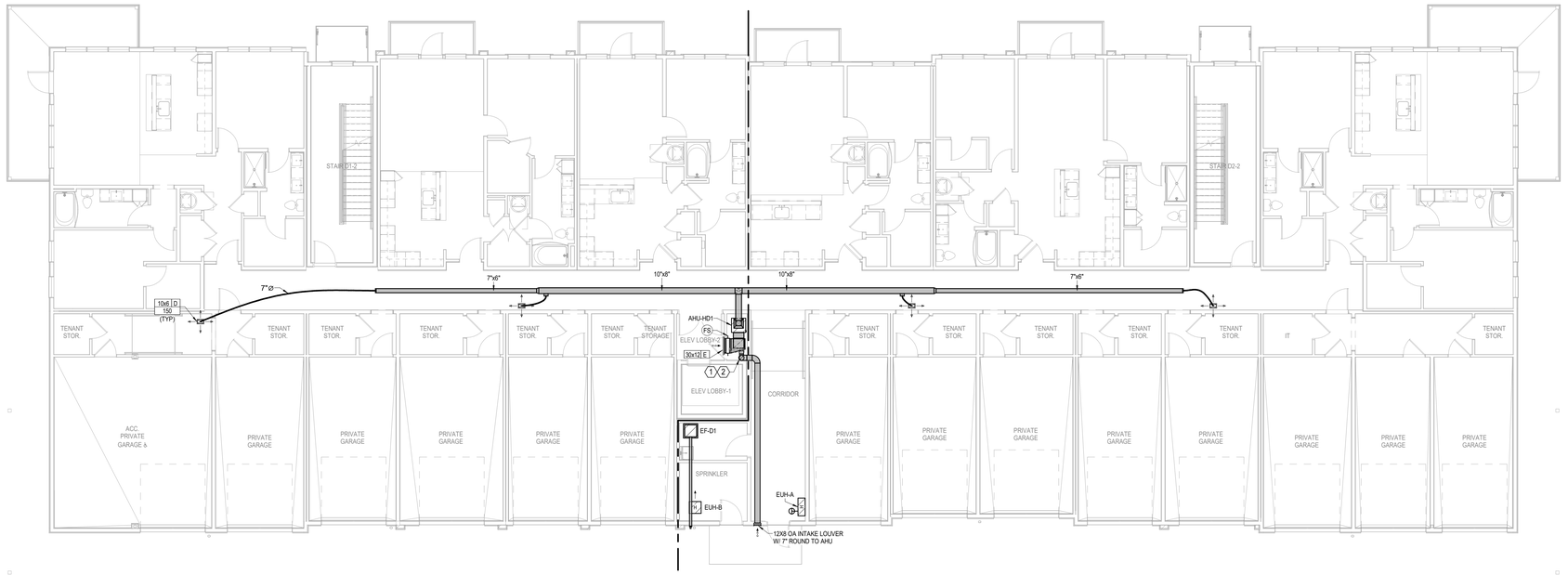

1 BUILDING D - 1ST FLOOR PLAN

HVAC

1/8" = 1'-0"

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Development Services Department
Lee's Summit, Missouri
11/1/2024

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STATE OF MISSOURI
RICHARD BEARDSLEY
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△REVISIONS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

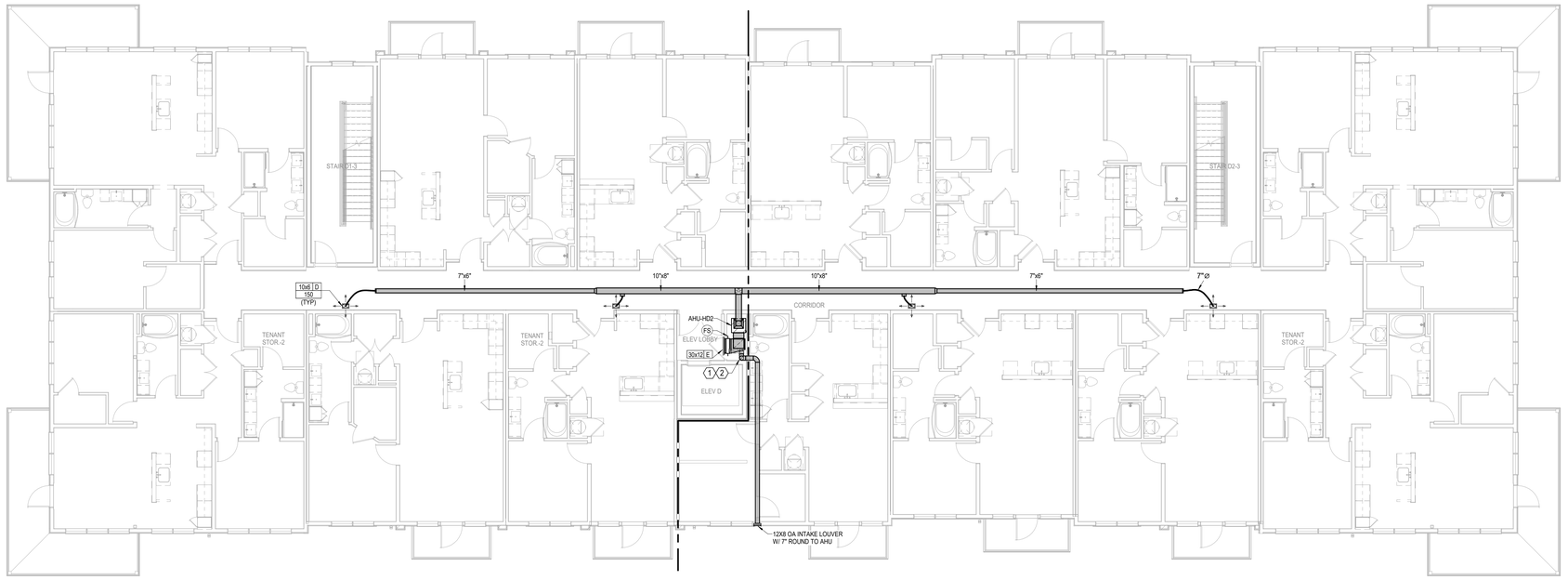
JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - FIRST FLOOR PLAN - HVAC
SHEET NO. M1.41

10/31/2024 9:05:06 AM

ARCH E1.30" x 42"

MECHANICAL NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING, AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.
7. CORRIDOR AHU'S TO HAVE THERMOSTAT MOUNTED NEAR RETURN GRILLE WITH GUARD.
8. DUCTLESS SPLITS (DSS) ROUTE CONDENSATE DRAIN TO NEARBY LAVATORY TAILPIECE, FLOOR DRAIN, SINK TAILPIECE.

LEGEND:	
1	AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
2	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING D - 2ND FLOOR PLAN

HVAC

1/8" = 1'-0"

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STATE OF MISSOURI
RICHARD
BEARDSLEE
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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LSA PROJECT NO. 2404027

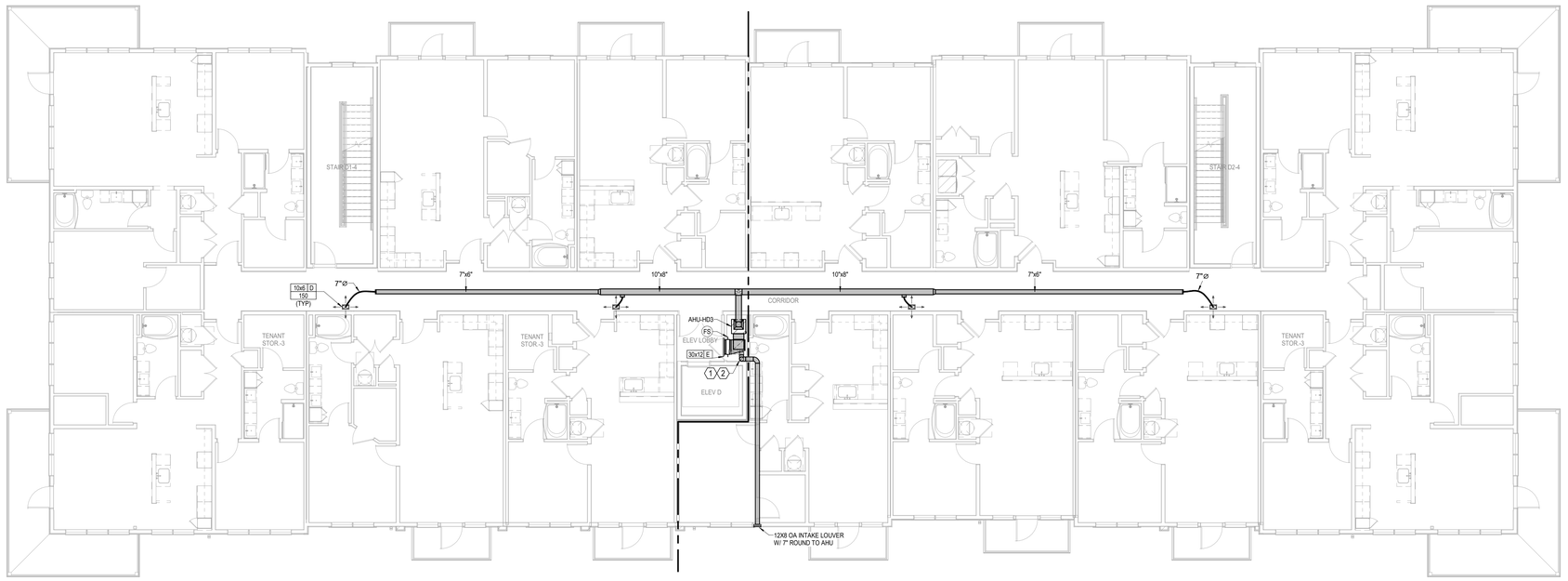
JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - SECOND FLOOR PLAN - HVAC
SHEET NO. M1.42

10/31/2024 9:05:09 AM

ARCH E1.30" x 42"

MECHANICAL NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING, AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.
7. CORRIDOR AHU'S TO HAVE THERMOSTAT MOUNTED NEAR RETURN GRILLE WITH GUARD.
8. DUCTLESS SPLITS (DSS) ROUTE CONDENSATE DRAIN TO NEARBY LAVATORY TAILPIECE, FLOOR DRAIN, SINK TAILPIECE.

LEGEND:	
1	AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
2	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING D - 3RD FLOOR PLAN

HVAC

1/8" = 1'-0"

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10/29/24

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STATE OF MISSOURI
RICHARD BEARD HUNTER
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

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LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - THIRD FLOOR PLAN - HVAC
SHEET NO. M1.43

10/31/2024 9:05:10 AM

ARCH E1.30" x 42"

MECHANICAL NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING, AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.
7. CORRIDOR AHU'S TO HAVE THERMOSTAT MOUNTED NEAR RETURN GRILLE WITH GUARD.
8. DUCTLESS SPLITS (DSS) ROUTE CONDENSATE DRAIN TO NEARBY LAVATORY TAILPIECE, FLOOR DRAIN, SINK TAILPIECE.

LEGEND:	
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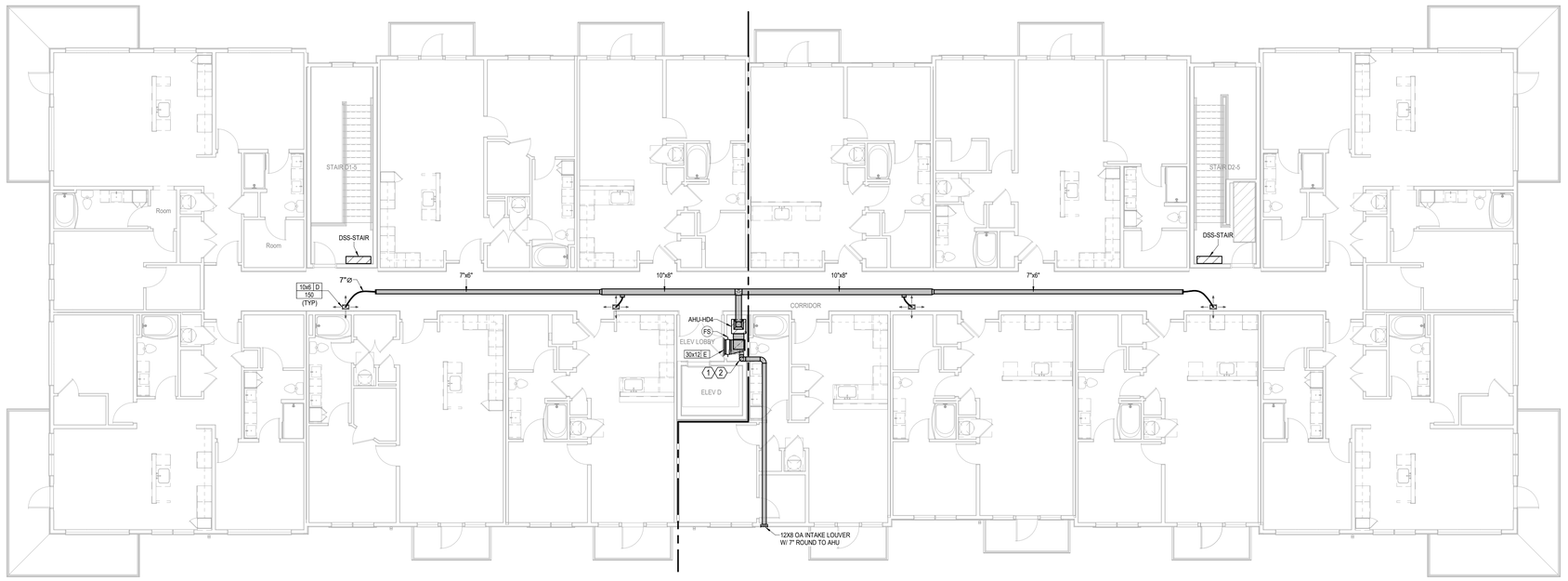
2	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING D - 4TH FLOOR PLAN

HVAC

1/8" = 1'-0"

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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER

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A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

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LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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SHEET NAME
BUILDING D - FOURTH FLOOR PLAN - HVAC
SHEET NO.
M1.44

10/31/2024 9:05:11 AM

ARCH E1.30" x 42"

MECHANICAL NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2.	ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3.	SEE THE ARCHITECTURAL, LIGHTING, AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4.	MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
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6.	FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.
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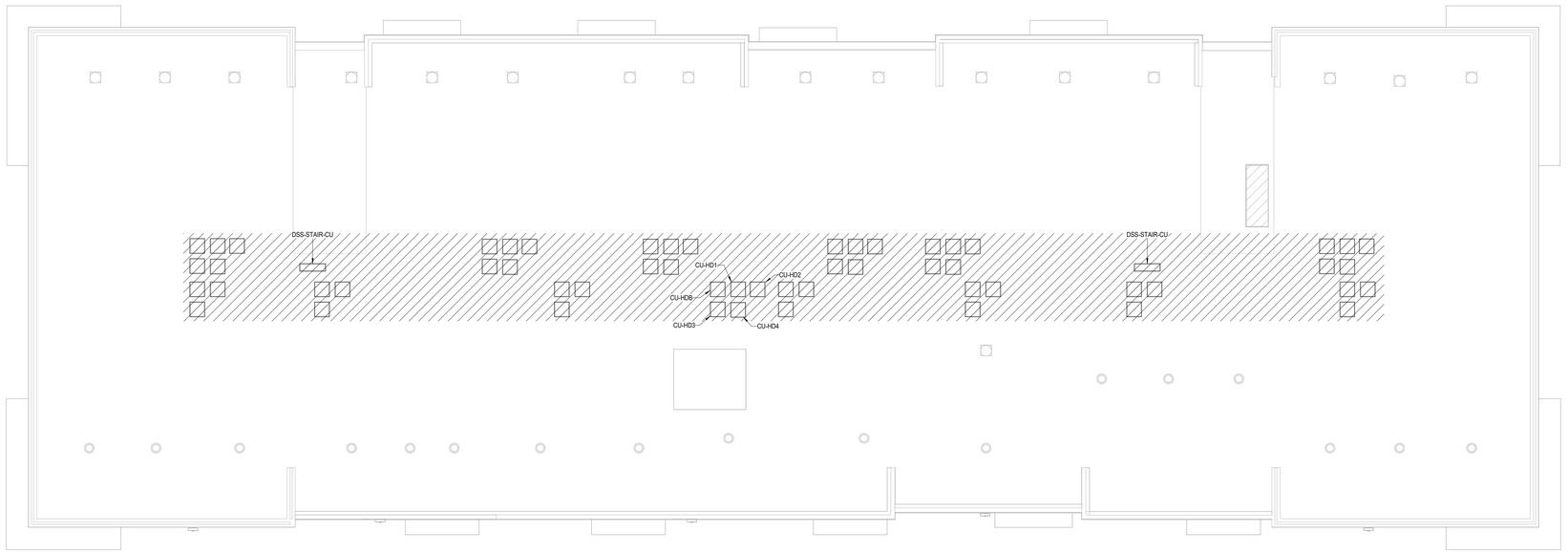
8.	DUCTLESS SPLITS (DSS) ROUTE CONDENSATE DRAIN TO NEARBY LAVATORY TAILPIECE, FLOOR DRAIN, SINK TAILPIECE.

LEGEND:	
(1)	AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
(2)	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.



1 BUILDING D - ROOF PLAN
HVAC
1/8" = 1'-0"

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Lee's Summit, Missouri
11/12/24

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STATE OF MISSOURI
RICHARD BEARD
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
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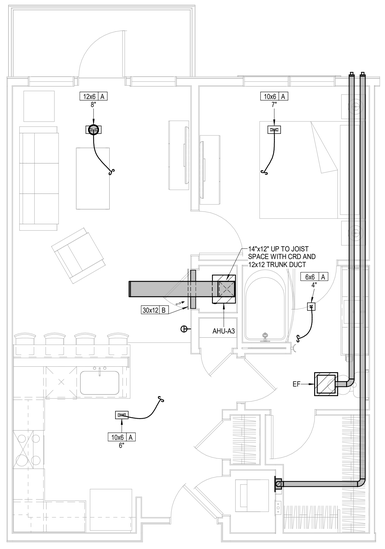
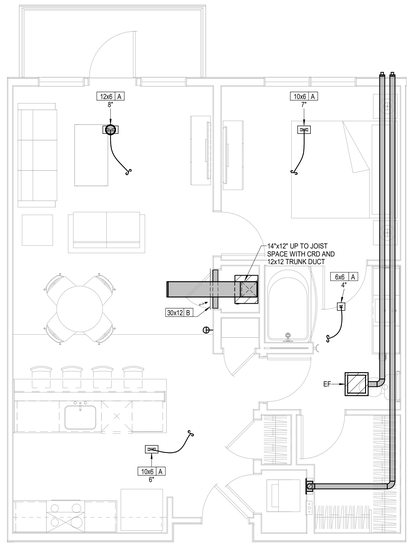
SHEET NAME BUILDING D - ROOF PLAN - HVAC
SHEET NO. M1.45

10/31/2024 9:05:12 AM

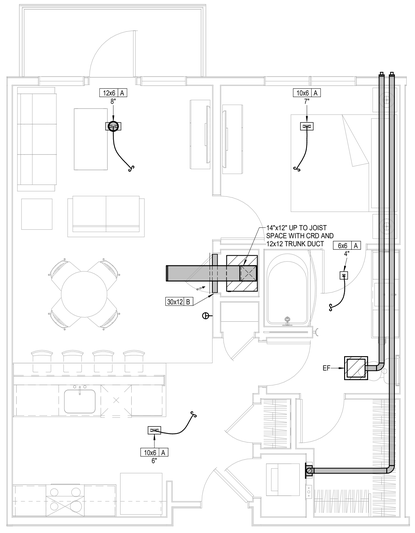
ARCH E1.30" x 42"



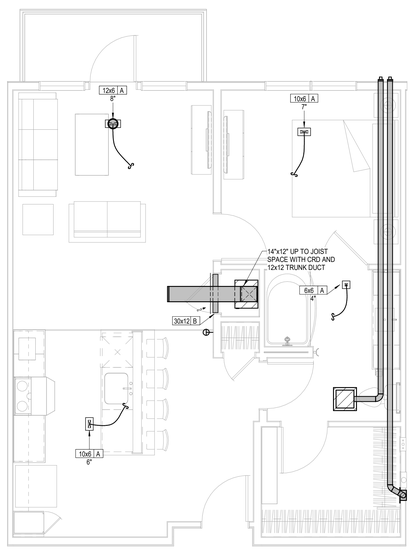
1 UNIT A3
HVAC
1/4" = 1'-0"



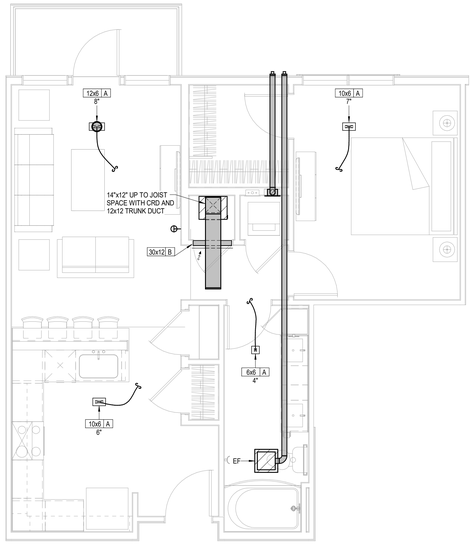
2 UNIT A6
HVAC
1/4" = 1'-0"



3 UNIT A6 ALT
HVAC
1/4" = 1'-0"



4 UNIT A6 TYPE A
HVAC
1/4" = 1'-0"



5 UNIT A7
HVAC
1/4" = 1'-0"

UNIT MECHANICAL NOTES:
1. ALL TYPE "A" SUPPLY REGISTERS HAVE A UL555C CEILING RADIATION DAMPER UNLESS NOTED OTHERWISE. PROVIDE CRD UNLESS NOTED 0THERWISE AT AHU DISCHARGE AND RATED MEMBRANE.
2. PROVIDE MANUFACTURER REQUIRED CLEARANCES FOR AHU'S AND WATER HEATERS.
3. ALL CONDENSING UNITS ARE ROOF MOUNTED.
4. MANUFACTURER SHALL PROVIDE ANY ACCESSORIES REQUIRED FOR PROPER OPERATION INCLUDING LONG LINE SET.
5. PROVIDE GUY GRAY MODEL DB350/DB3D DRYER VENT BOX AT ALL DRYER LOCATIONS. NOTE TOP FLOOR SHALL ROUTE THRU FLOOR BELOW.
6. GENERALLY CENTER GRILLES/REGISTERS IN WALLS, OVER DOORS, ALIGN WITH WINDOWS, ETC.
7. MAINTAIN 3 FT. FROM EXHAUST/VENTS TO BUILDING OPENINGS. DRYER VENT CAPS SHALL HAVE 4" DEEP BY 4" WIDE OPENING FOR AIR FLOW.
8. ROUTE AHU CONDENSATE INDIRECT TO FLOOR DRAINS IN AHU CLOSETS.
9. EXHAUST FANS AT TOP FLOOR MAY VENT TO ROOF.
10. SE RA GRILLE AT HVAC CLOSET AS CRD ACCESS, POSITION CORRECTLY. SIZE MAY VARY WITH SAME AREA.
11. TOP FLOOR DUCTS SHALL BE BELOW THE ATTIC INSULATION SHALL BE R-8 INSULATED AND SEALED TO PREVENT CONDENSATION.
12. TOP FLOOR EXHAUST VENT TO ROUTE THROUGH ROOF OR SIDEWALL OF HIGH ROOF TRANSITION.
13. DRAIN AHUs AND DSS TO FLOOR DRAIN, JAN. SINK OR SINK TAILPIECE.

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STATE OF MISSOURI
RICHARD BEARD PATTON
NUMBER
PE-2009012024
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△ REVISIONS

LS&A
Latimer Sommers & Associates P.A.
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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PERMIT SET
SHEET NAME MECHANICAL UNITS
SHEET NO. M2.01

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ARCH E1.30" x 42"

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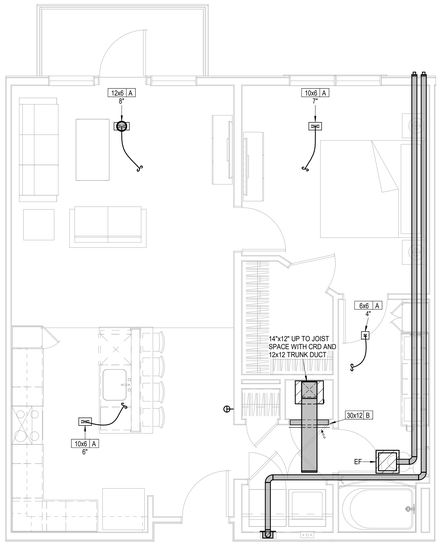
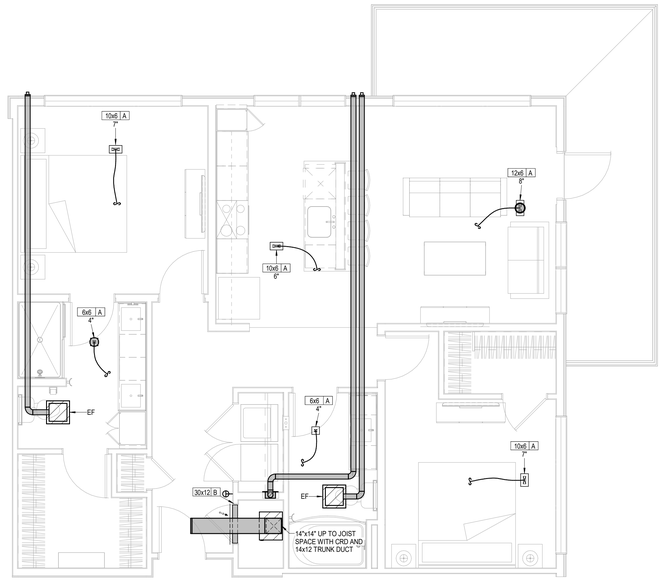
10/31/2024

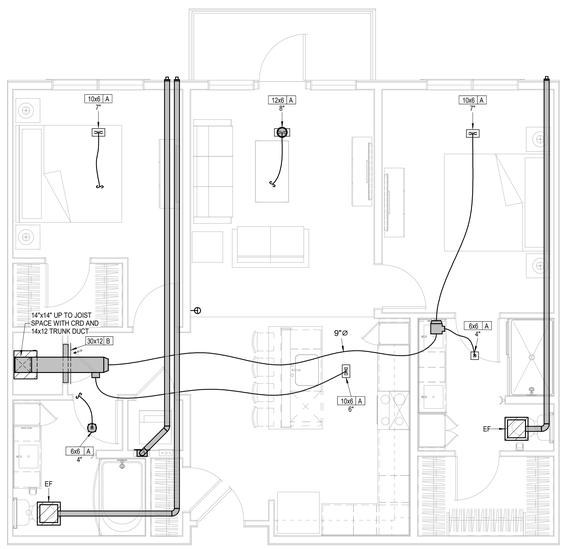
UNIT MECHANICAL NOTES:	
1.	ALL TYPE "A" SUPPLY REGISTERS HAVE A UL555C CEILING RADIATION DAMPER UNLESS NOTED OTHERWISE. PROVIDE CRD UNLESS NOTED 0THERWISE AT AHU DISCHARGE AND RATED MEMBRANE.
2.	PROVIDE MANUFACTURER REQUIRED CLEARANCES FOR AHU'S AND WATER HEATERS.
3.	ALL CONDENSING UNITS ARE ROOF MOUNTED.
4.	MANUFACTURER SHALL PROVIDE ANY ACCESSORIES REQUIRED FOR PROPER OPERATION INCLUDING LONG LINE SET.
5.	PROVIDE GUY GRAY MODEL DB350/DB3D DRYER VENT BOX AT ALL DRYER LOCATIONS. NOTE TOP FLOOR SHALL ROUTE THRU FLOOR BELOW.
6.	GENERALLY CENTER GRILLES/REGISTERS IN WALLS, OVER DOORS, ALIGN WITH WINDOWS, ETC.
7.	MAINTAIN 3 FT. FROM EXHAUST/VENTS TO BUILDING OPENINGS. DRYER VENT CAPS SHALL HAVE 4" DEEP BY 4" WIDE OPENING FOR AIR FLOW.
8.	ROUTE AHU CONDENSATE INDIRECT TO FLOOR DRAINS IN AHU CLOSETS.
9.	EXHAUST FANS AT TOP FLOOR MAY VENT TO ROOF.
10.	SE RA GRILLE AT HVAC CLOSET AS CRD ACCESS, POSITION CORRECTLY. SIZE MAY VARY WITH SAME AREA.
11.	TOP FLOOR DUCTS SHALL BE BELOW THE ATTIC INSULATION SHALL BE R-8 INSULATED AND SEALED TO PREVENT CONDENSATION.
12.	TOP FLOOR EXHAUST VENT TO ROUTE THROUGH ROOF OR SIDEWALL OF HIGH ROOF TRANSITION.
13.	DRAIN AHUs AND DSS TO FLOOR DRAIN, JAN. SINK OR SINK TAILPIECE.



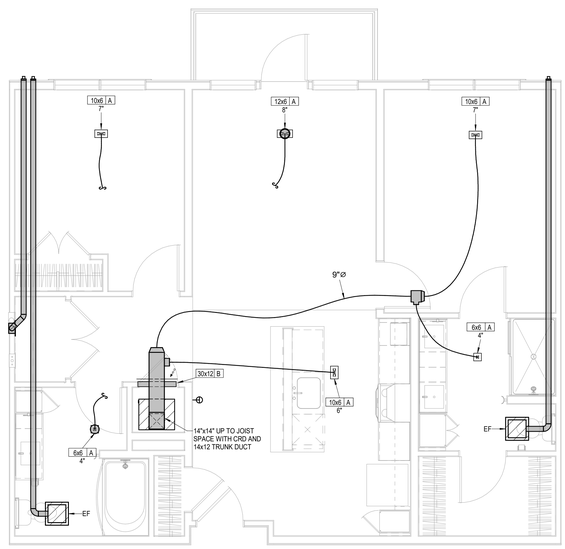
1 UNIT A9
HVAC
1/4" = 1'-0"



2 UNIT B3A
HVAC
1/4" = 1'-0"



3 UNIT B3B
HVAC
1/4" = 1'-0"



4 UNIT B3B TYPE A
HVAC
1/4" = 1'-0"

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STATE OF MISSOURI
RICHARD BEARD NUMBER PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△REVISIONS

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LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME MECHANICAL UNITS
SHEET NO. M2.02

10/31/2024 9:05:18 AM

ARCH E1.39" x 42"

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Development Services Department
Lee's Summit, Missouri
10/31/24

UNIT MECHANICAL NOTES:	
1.	ALL TYPE "A" SUPPLY REGISTERS HAVE A UL555C CEILING RADIATION DAMPER UNLESS NOTED OTHERWISE. PROVIDE CRD UNLESS NOTED 0THERWISE AT AHU DISCHARGE AND RATED MEMBRANE.
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6.	GENERALLY CENTER GRILLES/REGISTERS IN WALLS, OVER DOORS, ALIGN WITH WINDOWS, ETC.
7.	MAINTAIN 3 FT. FROM EXHAUST/VENTS TO BUILDING OPENINGS. DRYER VENT CAPS SHALL HAVE 4" DEEP BY 4" WIDE OPENING FOR AIR FLOW.
8.	ROUTE AHU CONDENSATE INDIRECT TO FLOOR DRAINS IN AHU CLOSETS.
9.	EXHAUST FANS AT TOP FLOOR MAY VENT TO ROOF.
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11.	TOP FLOOR DUCTS SHALL BE BELOW THE ATTIC INSULATION SHALL BE R-8 INSULATED AND SEALED TO PREVENT CONDENSATION.
12.	TOP FLOOR EXHAUST VENT TO ROUTE THROUGH ROOF OR SIDEWALL OF HIGH ROOF TRANSITION.
13.	DRAIN AHUs AND DSS TO FLOOR DRAIN, JAN. SINK OR SINK TAILPIECE.

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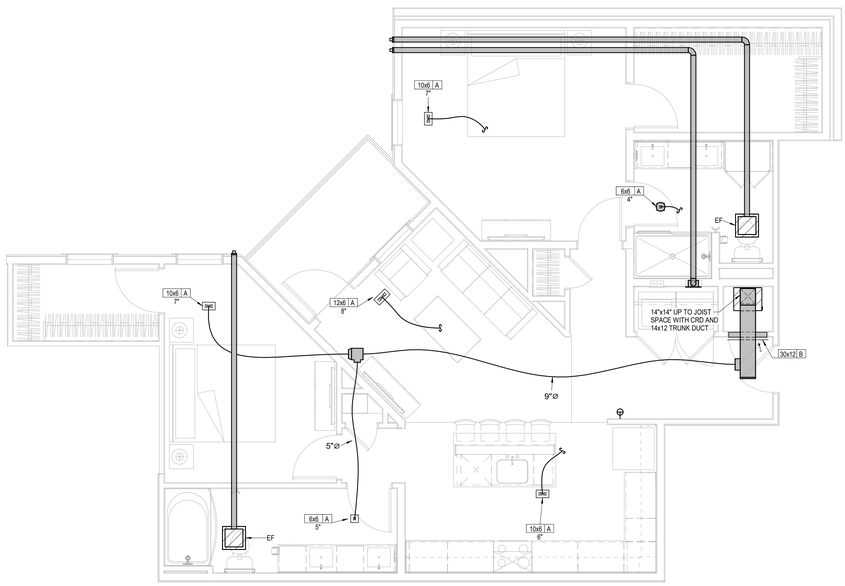
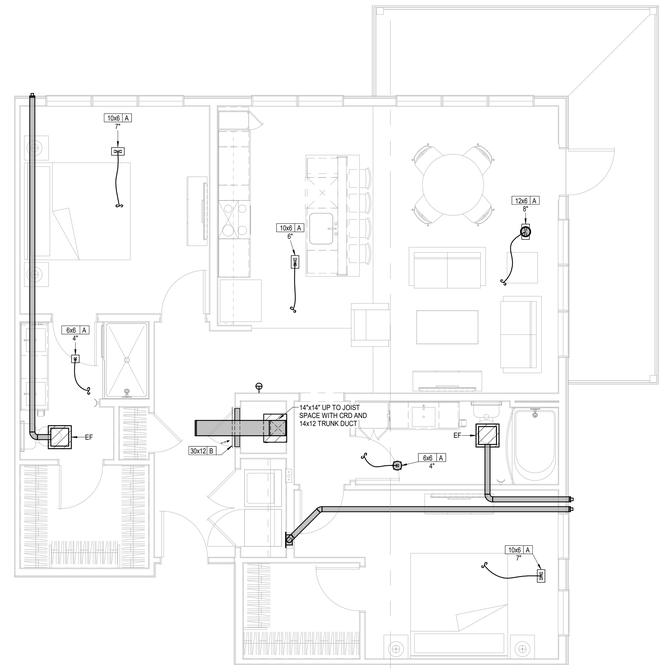
KANSAS, 66207
-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009019324
PROFESSIONAL ENGINEER

10/29/2024



1 UNIT B6
HVAC
1/4" = 1'-0"



2 UNIT B9
HVAC
1/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△REVISIONS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

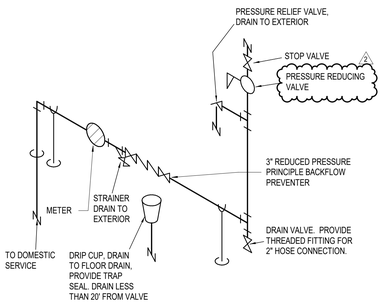
JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME MECHANICAL UNITS
SHEET NO. M2.03

10/31/2024 9:05:20 AM

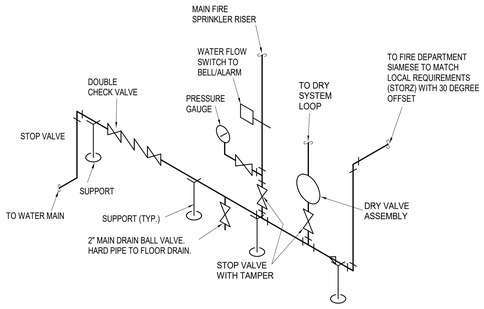
ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/29/24

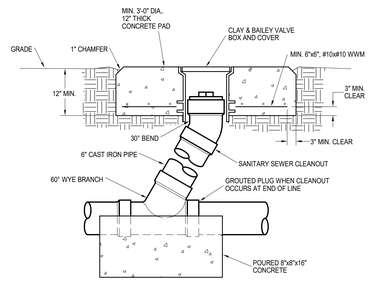
nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207



1 DOMESTIC WATER RISER
NOT TO SCALE

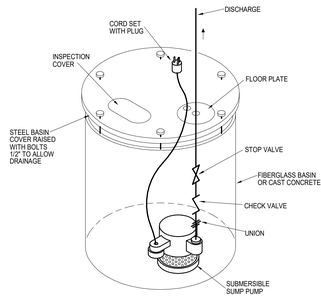


2 FIRE SUPPRESSION ENTRANCE DETAIL
NOT TO SCALE

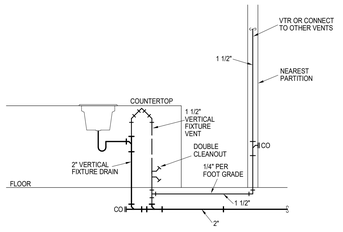


3 FLUSH GRADE CLEANOUT DETAIL
NOT TO SCALE

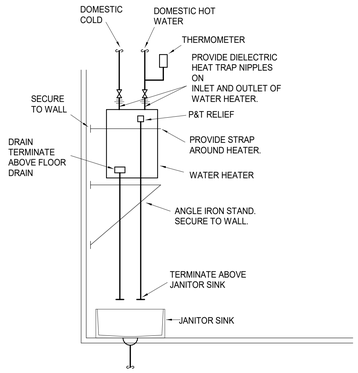
NOTES:
WATER IN PIT DRAINS INTO SUMP AND IS DISCHARGED TO GRADE. THIS IS AN ELECTRIC ELEVATOR SO NO HYDRAULIC FLUID IS PRESENT.



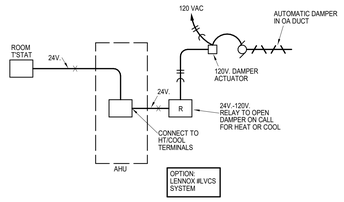
4 ELEVATOR SUMP PUMP
NOT TO SCALE



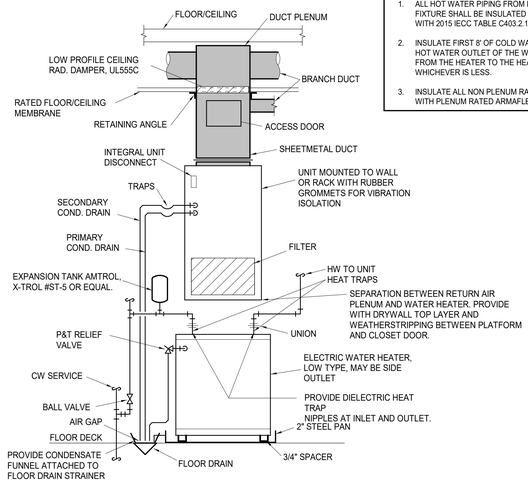
5 ISLAND VENT DETAIL
NOT TO SCALE



6 WATER HEATER STAND DETAIL
NOT TO SCALE



7 OUTSIDE AIR DAMPER CONTROL SCHEMATIC
NOT TO SCALE



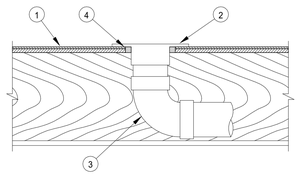
INSULATION NOTES:

1. ALL HOT WATER PIPING FROM HEATER TO FIXTURE SHALL BE INSULATED IN ACCORDANCE WITH 2015 IECC TABLE C403.2.10.
2. INSULATE FIRST 8' OF COLD WATER INLET AND HOT WATER OUTLET OF THE WATER HEATER OR FROM THE HEATER TO THE HEAT TRAP, WHICHEVER IS LESS.
3. INSULATE ALL NON PLENUM RATED PVC PIPING WITH PLENUM RATED ARMAFLEX INSULATION.

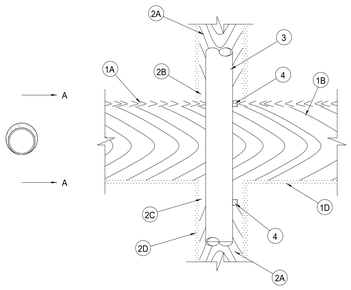
8 MECHANICAL CLOSET DETAIL
NOT TO SCALE

NOTES:

1. Floor-Ceiling Assembly The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction features of the floor-ceiling assembly are summarized below:
   A. Flooring System Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 5 in.
   B. Wood Joist* Nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firestopped.
   C. Gypsum Board* Nom 5/8 in. thick, 4 ft wide as specified in the individual Floor-Ceiling Design.
2. Closet Flange Acrylonitrile butadiene styrene (ABS) or polyvinyl chloride (PVC) closet stub sized to accommodate drain pipe. Closet flange installed over drain piping within floor opening with flange secured to plywood floor with steel screws. Diam of circular opening through flooring (Item 1A) to be max ½ in. larger than outside diam of closet flange.
3. Drain Piping Nom 4 in. diam (on smaller) Schedule 40 acrylonitrile butadiene styrene (ABS) or polyvinyl chloride (PVC) drain pipe and 90 degree elbow for use in vented (drain, waste or vent) piping systems. Pipe installed concentrically within firestop system.
4. Fill, Void or Cavity Materials* – Sealant Min 3/4 in. thickness of fill material applied within the annulus, flush with the bottom surface of floor.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC – FS-ONE Sealant
5. Water Closet (Not Shown)–Floor mounted vitreous china water closet.
   *Bearing the UL Classification Mark



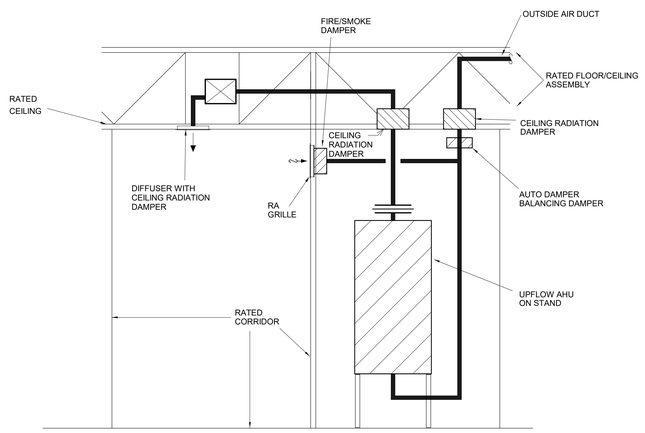
9 FIRE RATED PENETRATION DETAIL
NO SCALE — SYSTEM FC-2203



NOTES:

1. Floor-Ceiling Assembly The fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction details of the floor-ceiling assembly are summarized below:
   A. Flooring System Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 3 in.
   B. Wood Joists Nom 2 by 10 in. lumber joists spaced 16 in. OC with nom 1 by 3 in. lumber bridging and with ends firestopped. As an alternate to lumber joists, nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required with ends firestopped.
   C. Furring Channels (Not shown) - Resilient galv steel furring installed perpendicular to wood joists (Item 1B) between wallboard (Item 1D) and wood joists as required in the individual Floor-Ceiling Design.
   D. Gypsum Board* Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design.
2. Chase Wall The through penetrant (Item 3) shall be routed through a 1 hr fire-rated single, double or staggered wood stud/gypsum wallboard chase wall constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs Nom 2 by 4 in. lumber studs.
   B. Sole Plate Nom 2 by 4 in. lumber plates.
   C. Top Plate The double top plate shall consist of two nom 2 by 4 in. lumber plates. Max diam of opening is 3 in.
   D. Gypsum Board* Thickness, type, number of layers and fasteners shall be as specified in individual Wall and Partition Design.
3. Through - Penetrants One nonmetallic pipe to be installed either eccentrically or concentrically within the firestop system. The annular space between the through penetrant and the periphery of the opening shall be a min 0 in. (point contact) to a max of 5/8 in. Pipe to be rigidly supported on both sides of the floor-ceiling assembly. The following types and sizes of nonmetallic pipes may be used.
   A. Polyvinyl Chloride (PVC) Pipe Nom 2 in. diam (or smaller) Schedule 40 cellular or solid core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
   B. Acrylonitrile Butadine Styrene (ABS) Pipe Nom 2 in diam (or smaller) Schedule 40 cellular or solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   C. Chlorinated Polyvinyl Chloride (CPVC) Pipe Nom 2 in. diam (or smaller) SDR17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
4. Fill, Void or Cavity Material* – Sealant Min 3/4 in. thickness of fill material applied within the annulus, flush with top surface of floor and flush with bottom surface of lower top plate.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC - FS - ONE Sealant
   *Bearing the UL Classification Marking

10 FIRE RATED PENETRATION DETAIL
NO SCALE — SYSTEM FC-2142



11 CORRIDOR AHU DETAIL - WALL RETURN (M)
NOT TO SCALE

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△REVISIONS
2 10.29.2024 City Comments 1

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME MECHANICAL DETAILS
SHEET NO. MP1.01

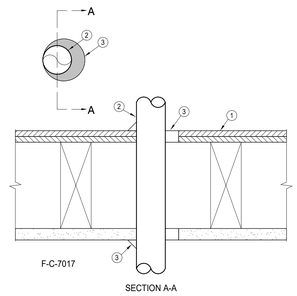
LS&A Lalimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsaps@lsapa.com
LSA PROJECT NO. 2404027

10/31/2024 9:05:21 AM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
11/1/2024

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207



SECTION A-A

LEGEND:

1. FLOOR-CEILING ASSEMBLY - THE 1HR FIRE RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY. THE GENERAL CONSTRUCTION DETAILS OF THE FLOOR-CEILING ASSEMBLY ARE SUMMARIZED BELOW:
   - A. FLOORING SYSTEM - LUMBER OR PLYWOOD SUBFLOOR WITH FINISH FLOOR OF LUMBER, PLYWOOD OR FLOOR TOPPING MIXTURE AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAX. DIAMETER OF OPENING IS 5" (127mm).
   - B. WOOD JOISTS - NOM 10" (254mm) DEEP (OR DEEPER) LUMBER, STEEL OR COMBINATION LUMBER AND STEEL JOISTS, TRUSSES OR STRUCTURAL WOOD MEMBERS* WITH BRIDGING AS REQUIRED AND WITH ENDS FIRESTOPPED.
   - C. GYPSUM BOARD* - NOM 4" (122cm) WIDE BY 5/8" (16mm) THICK AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. GYPSUM BOARD SECURED TO WOOD JOISTS OR FURRING CHANNELS AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAX OF OPENING IS 6" BY 5 1/2" (152mm BY 140mm).

1.1. CHASE WALL (OPTIONAL, NOT SHOWN) - THE DUCT (ITEM 2) MAY BE ROUTED THROUGH A FIRE-RATED SINGLE, DOUBLE OR STAGGERED WOOD STUD/GYPSUM BOARD CHASE WALL HAVING A FIRE RATING CONSISTENT WITH THAT OF THE FLOOR-CEILING ASSEMBLY. THE CHASE WALL SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   - A. STUDS - NOM 2" BY 6" (51mm BY 152mm) OR DOUBLE NOM 2" BY 4" (51mm BY 102mm) LUMBER STUDS.
   - B. SOLE PLATE - NOM 2" BY 6" (51mm BY 152mm) OR PARALLEL 2" BY 4" (51mm BY 102mm) LUMBER PLATES, TIGHTLY BUTTED.
   - C. TOP PLATE - THE DOUBLE TOP PLATE SHALL CONSIST OF TWO NOM 2" BY 6" (51mm BY 152mm) OR TWO SETS OF PARALLEL 2" BY 4" (51mm BY 102mm) LUMBER PLATES, TIGHTLY BUTTED. MAX OF OPENING IS 6" BY 5 1/2" (152mm BY 140mm).
   - D. GYPSUM BOARD* - THICKNESS TYPE, NUMBER OR LAYERS AND FASTENERS SHALL BE AS SPECIFIED IN INDIVIDUAL WALL AND PARTITION DESIGN.

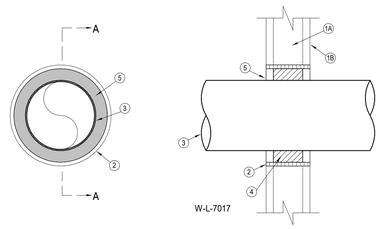
2. STEEL DUCT - NOM 4" (102mm) DIAMETER (OR SMALLER) NO. 30 GAUGE (OR HEAVIER) GALVANIZED STEEL DUCT TO BE INSTALLED ECCENTRICALLY OR CONCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN THE DUCT AND THE PERIPHERY OF OPENING SHALL BE MIN. 0" (0mm) (POINT CONTACT) TO MAX 2" (51mm) DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR-CEILING ASSEMBLY.

3. FILL, VOID OR CAVITY MATERIALS* - CAULK OR SEALANT - MIN 3/4" (19mm) THICKNESS OF CAULK APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR SOLE PLATE. MIN. 5/8" (16mm) THICKNESS OF CAULK APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTTOM SURFACE OF CEILING OR TOP PLATE. MIN 1/2" (13mm) DIAMETER BEAD OF CAULK APPLIED AT THE DUCT/FLOOR OR SOLE PLATE INTERFACE AT POINT CONTACT LOCATION ON THE TOP SIDE OF ASSEMBLY AND AT THE DUCT/CEILING OR TOP PLATE INTERFACE AT POINT CONTACT LOCATION ON BOTTOM SIDE OF ASSEMBLY.

   3M COMPANY - FIREDAM 150+, CP 25WB+CAULK OR FB-3000 WT SCALANT.

   * BEARING THE UL CLASSIFICATION MARK.

FIRE STOP SYSTEM F-C-7017 DETAIL



SECTION A-A

LEGEND:

1. WALL ASSEMBLY - THE FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   - A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2" BY 4" LUMBER SPACED 16" O.C. STEEL STUDS TO BE MIN. 2 1/2" WIDE AND SPACED MAX. 24" O.C.
   - B. GYPSUM BOARD* - ONE LAYER OF NOM 5/8" THICK GYPSUM WALLBOARD, AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. DIAMETER OF OPENING IS 8 5/8"

2. METALLIC SLEEVE - NOM 8" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL SLEEVE CAST INTO WALL ASSEMBLY WITH JOINT COMPOUND AND INSTALLED FLUSH WITH WALL SURFACES.

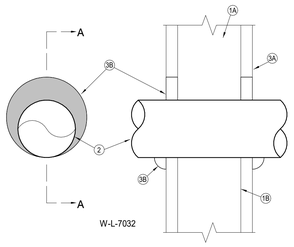
3. AIR DUCT - NOM 6" DIAMETER (OR SMALLER) PREFABRICATED NO. 28 MSG GALVANIZED SHEET METAL DUCT. A MIN. 1/2" TO MAX. 1 1/2" ANNULAR SPACE IS REQUIRED WITHIN THE FIRESTOP SYSTEM. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

4. FORMING MATERIAL* - FOAMED PLASTIC FORMING MATERIAL FOAMED INTO OPENING AS A PERMANENT FORM. FORMING MATERIAL TO BE RECESSED FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - CP810, CP812 OR CP511 FOAM SEALANT

5. FILL, VOID OR CAVITY MATERIAL* - MIN. 5/8" THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE SEALANT

   *BEARING THE UL CLASSIFICATION MARK

FIRE STOP SYSTEM W-L-7017 DETAIL



SECTION A-A

LEGEND:

1. WALL ASSEMBLY - THE 1HR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES.
   - A. STUDS - WALL FRAMING SHALL CONSIST OF EITHER WOOD OR STEEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4" LUMBER SPACED MAX 16" O.C. STEEL STUDS TO BE MIN 3 1/2" WIDE AND SPACED MAX 24" O.C.
   - B. GYPSUM BOARD* - ONE LAYER OF MIN 5/8" THICK WALL BOARD AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. DIAMETER OF OPENING IS 7".

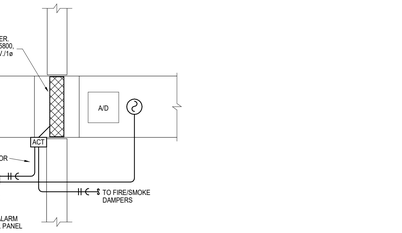
2. STEEL VENT DUCT - NOM 6" DIAMETER (OR SMALLER) NO. 28 GAUGE (OR HEAVIER) GALVANIZED STEEL DUCT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. AN ANNULAR SPACE OF MIN. 0" (POINT CONTACT) TO MAX. 1" IS REQUIRED WITHIN THE FIRESTOP SYSTEM. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

3. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN. 5/8" THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL ASSEMBLY. AT THE POINT CONTACT LOCATION BETWEEN DUCT AND WALLBOARD, A MIN. 1/2" DIAMETER BEAD OF SEALANT SHALL BE APPLIED AT THE WALLBOARD/DUCT INTERFACE ON BOTH SURFACES OF WALL ASSEMBLY.

   3M COMPANY - CP 25WB+CAULK OR FB-3000 WT SEALANT

   * BEARING THE UL CLASSIFICATION MARKING.

FIRE STOP SYSTEM W-L-7032 DETAIL



SECTION A-A

LEGEND:

1. FLOOR-CEILING ASSEMBLY - THE 1HR FIRE RATED CONCRETE AND STEEL JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL G500 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY, AS SUMMARIZED BELOW:
   - A. FLOORING - NORMAL OR LIGHTWEIGHT CONCRETE AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN. MAX. DIAMETER OF OPENING IS 11" (279mm).
   - B. JOISTS - STEEL JOISTS OR STRUCTURAL STEEL MEMBERS* AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN.
   - C. GYPSUM BOARD* - MIN. 5/8" (16mm) THICK, SCREW-ATTACHED TO FURRING CHANNELS AS SPECIFIED IN THE INDIVIDUAL G500 SERIES DESIGN. MAX. DIAMETER OF OPENING IS 11" (279mm).

2. STEEL VENT DUCT - NOM 4" (102mm) DIAMETER (OR SMALLER) NO. 30 GAUGE (OR HEAVIER) GALVANIZED STEEL VENT DUCT OR NOM 10" (254mm) DIAMETER (OR SMALLER) NO. 28 GAUGE (OR HEAVIER) GALVANIZED STEEL VENT DUCT. DIAMETER OF OPENINGS TO BE MAX. 1" (25mm) LARGER THAN OUTSIDE DIAMETER OF DUCT. DUCT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY IN OPENING. THE ANNULAR SPACE BETWEEN THE DUCT AND THE PERIPHERY OF OPENING SHALL BE MIN. 0" (POINT CONTACT) TO MAX. 1" (0 TO MAX 25mm). DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR-CEILING ASSEMBLY.

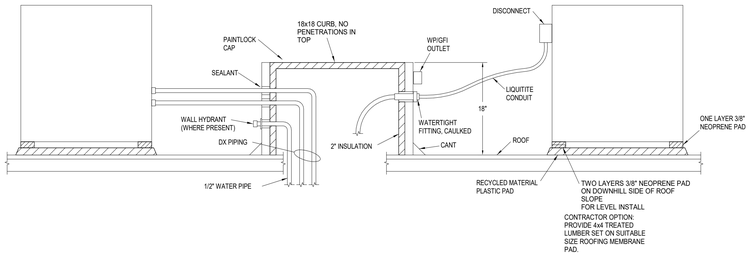
3. FILL, VOID OR CAVITY MATERIALS* - CAULK OR SEALANT - MIN. 3/4" (19mm) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR. MIN. 5/8" (16mm) THICKNESS OF APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTTOM SURFACE OF CEILING. AN ADDITIONAL MIN. 1/4" (6mm) BEAD OF FILL MATERIAL APPLIED AT THE DUCT/FLOOR INTERFACE AT POINT CONTACT LOCATION ON THE TOP SURFACE OF FLOOR AND AT THE DUCT/CEILING INTERFACE AT POINT CONTACT LOCATION ON THE LOWER SURFACE OF CEILING.

   3M COMPANY - CP 25WB+JC 15WB+CAULK OR FB-3000 WT SEALANT.

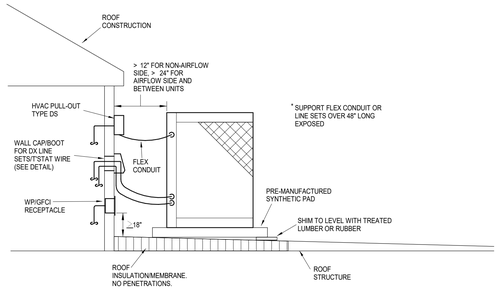
   * BEARING THE UL CLASSIFICATION MARKING.

FIRE STOP SYSTEM F-E-7001 DETAIL

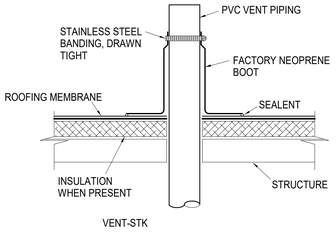
1 FIRE STOP SYSTEM DETAILS
NOT TO SCALE



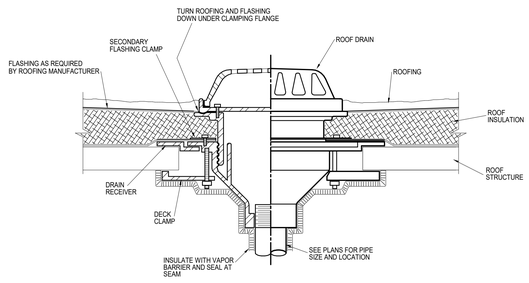
2 ROOF MOUNTED CONDENSING UNIT DETAIL
NOT TO SCALE



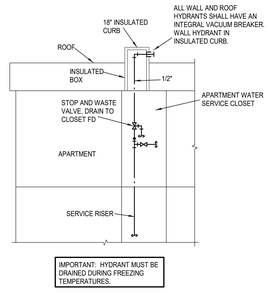
3 ROOF MOUNTED CONDENSING UNIT DETAIL1
NOT TO SCALE



4 VENT STACK DETAIL
NOT TO SCALE



5 ROOF DRAIN DETAIL
NOT TO SCALE



6 ROOF WATER HYDRANT DETAIL
NOT TO SCALE

7 FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

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LSA PROJECT NO. 2404027

JOB NO. 720522
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SHEET NO. MP1.02

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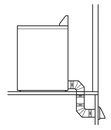
ARCH E1.30" x 42"

TOP LOAD DRYER

Special provisions for mobile home installations:

The exhaust vent must be securely fastened to a noncombustible portion of the mobile home structure and must not terminate beneath the mobile home. Terminate the exhaust vent outside.



Determine vent path:

- Select route that will provide straightest and most direct path outdoors.
- Plan installation to use fewest number of elbows and turns.
- When using elbows or making turns, allow as much room as possible.
- Bend vent gradually to avoid kinking.
- Use as few 90° turns as possible.

Determine vent length and elbows needed for best drying performance:

- Use following "Vent System Chart" to determine type of vent material and hood combinations acceptable to use.

  NOTE: Do not use vent runs longer than those specified in "Vent System Chart." Exhaust systems longer than those specified will:

  - Shorten life of dryer.
  - Reduce performance, resulting in longer drying times and increased energy usage.

The "Vent System Chart" provides venting requirements that will help achieve best drying performance.

Vent System Chart

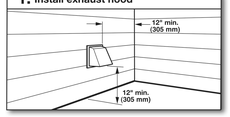
Number of 90° turns or elbows	Type of vent	Box/louvered hoods	Angled hoods
0	Rigid metal	64 ft. (20 m)	58 ft. (17.7 m)
1	Rigid metal	54 ft. (16.5 m)	48 ft. (14.6 m)
2	Rigid metal	44 ft. (13.4 m)	38 ft. (11.6 m)
3	Rigid metal	35 ft. (10.7 m)	29 ft. (8.8 m)
4	Rigid metal	27 ft. (8.2 m)	21 ft. (6.4 m)

Vent System Chart
(29" Wide Long Vent WED/WGD4870 and WED/WGD4975 Models Only)

Number of 90° turns or elbows	Type of vent	Box/louvered or angled hoods
0	Rigid metal	160 ft. (48.8 m)
1	Rigid metal	150 ft. (45.7 m)
2	Rigid metal	140 ft. (42.7 m)
3	Rigid metal	130 ft. (39.6 m)
4	Rigid metal	120 ft. (36.6 m)
5	Rigid metal	110 ft. (33.5 m)

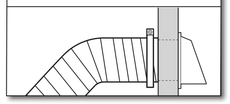
INSTALL VENT SYSTEM

1. Install exhaust hood



Install exhaust hood and use caulking compound to seal exterior wall opening around exhaust hood.

2. Connect vent to exhaust hood



Vent must fit over the exhaust hood. Secure vent to exhaust hood with 4" (102 mm) clamp. Run vent to dryer location using straightest path possible. Avoid 90° turns. Use clamps to seal all joints. Do not use duct tape, screws, or other fastening devices that extend into interior of vent to secure vent, because they can catch lint.

PREFCO
JOHNSONTECH AIR CONTROL INC.

Ceiling Radiation Damper
3 Hour Rated
For Use in Static Systems
Models 5680 Submittal

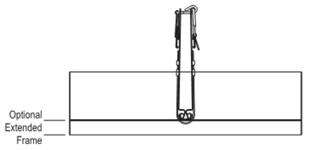
Filename: Prefco Submittal 5680 Rev 27/12/14

Application

The Model 5680 provides fire and heat radiation protection of HVAC penetrations in any floor/ceiling and roof/ceiling assemblies with restrained or unrestrained ratings of 3 hours or less. Standard fire dampers (1 1/2 & 3 hr.) do not provide the required protection.

Standard Construction

- **Frame**
  21 GA Galvanized Steel
- **Blades - Full Length Hinge**
  21 GA Galvanized Steel
- **Closure Springs**
  Stainless Steel
- **Fusible Link - UL-33**
  UL Listed 212F (standard) 165 F (optional)
  McCabe Link (optional)
- **Insulation (blade)**
  Ceramic Fiber



Standard Sizes (duct)	
Minimum	*4 1/2" x 4 1/2"*
Maximum	*24" wide or 30" long - 576 sq. in. total max.*

NOTES:

- Dampers are fabricated 3/16" under ordered diameter for clearance
- Approved for use in any UL Fire Resistance Directory Series Designs
- For 2 hour rating, refer to Model 5660

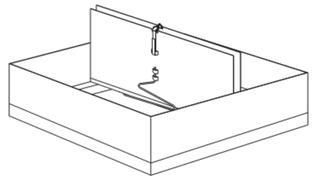
Model 5680 meets or complies with the following as a ceiling radiation damper.

- **NFPA Standards**
- **All major building codes, including BOCA, ICBO/UBC, SBCCI & ICC International Code**

- UL 555C Listing 3 Hour - File #R7365
- CA State Fire Marshall - #3225-1518-103

High Free Area Design

Optional Volume Control Device (5965)



A dim. is always width of blades

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ARCH E1 30" x 42"

WATER HEATER SCHEDULE

MARK	MFGR	MODEL	FUEL	VOLTAGE/PH/ AMPS	INPUT	EFFICIENCY/ PF	GALLONS STORAGE	GPH RECOVERY @ 80° RISE	FLUE TYPE	EXPANSION	CIRCULATOR GPM/HD	NOTES
HA, HB, HC, HD, MAINT	A.O. SMITH	EJC-10	ELEC	120/1/14	1.6 KW	N/A	9	8	N/A	RELIEF V.		1, 2
TYP APT	A.O. SMITH	ENL-40	ELEC	208/1/19	4.5 KW	0.95	35	23	N/A	RELIEF V.		1, 2

NOTES
1- PROVIDE ASME P&T VALVE, DRAIN VALVE
2- PROVIDE COMBINATION STOP AND OPERATING PRESSURE RELIEF VALVE

DRAIN SCHEDULE

MARK	APPLICATION	MFGR	MODEL	BODY MAT'L	DEPTH	GRATE MAT'L	GRATE SHAPE	ACCESSORIES
APT FD	FLOOR	SIOUX CHIEF	842	ABS/PVC	3"	NICKEL BRONZE	6" SQUARE	2
FD-1	FLOOR	ZURN	ZN-415S	COATED CAST IRON	3"	NICKEL BRONZE	6" ROUND	1, 2
FD-2	FLOOR	ZURN	Z-611-S	COATED CAST IRON	6"	COATED CAST IRON	9" SQUARE	1, 2, 3
RD-1	ROOF	SIOUX CHIEF	868	ABS/PVC	6"	POLY	DOME	4
RD-2	ROOF	SIOUX CHIEF	868-STP2	ABS/PVC	6"	POLY	DOME	4, 5

ACCESSORIES:
1 - DEEP TRAP, ADJUSTABLE GRATE
2 - USE WIDE FLANGE MODEL WHERE IN WOOD DECK FLOOR
3 - INTERNAL STRAINER
4 - SEDIMENT BUCKET
5 - 2" DAM FOR OVERFLOW SERVICE

EXHAUST FAN SCHEDULE

MARK	MFGR	MODEL	CFM	ESP	FAN HP	ELECTRICAL				CONFIGURATION - NOTES
						VOLTS/ PH	FLA	OCP	WIRING	
A1, B1, C1, D1	GREENHECK	SP-A110	75	0.25	Fr.	120/1	1	15	(3) #12	ceiling, 1, 2
APT EF	BROAN	670	70	0.1	Fr.	120/1	1	15	(3) #12	ceiling 3

NOTES:
1-CEILING GRILLE, CRD
2-BD DAMPER, DS, SPEED CONTROLLER, WALL/ROOF CAP
3-HUMIDITY SENSING

ELECTRIC UNIT HEATER SCHEDULE

MARK	MFGR	MODEL	KW	MBH	CFM	ELECTRICAL				CONFIGURATION - NOTES
						VOLTS/ PH	FLA	OCP	WIRING	
EUH - A	QMARK	AWH4404	3.0	10.2	100	208/1	14.4	20	(3) #12	WALL, 1, 2, 4
EUH - B	QMARK	MWUH7504	3.8	17.0	270	208/1	18	25	(3) #10	SUSPENDED, 4

NOTES:
1-SURFACE MOUNTED
2-NO EXPOSED CONTROL KNOBS
3-FULLY RECESSED
4-DISCONNECT

AIR TERMINAL DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL	FINISH	DAMPER	FRAME TYPE	NOTES
A	AIR MATE	A190	WHITE	YES	GYP BD	3-way blow
B	AIR MATE	170	WHITE	NO	GYP BD	
B1	AIR MATE	170	WHITE	YES	GYP BD	
C	AIR MATE	240 VO	WHITE	YES	GYP/WALL	
D	PRICE	620DAL/N/L/A/B12	WHITE	YES	GYP. BD.	W/CRD
E	PRICE	635DAL/L/A/B12	WHITE	YES	GYP. BD.	
E1	PRICE	635DAL/L/A/B12	WHITE	YES	GYP. BD.	W/CRD

HVAC SYSTEM SCHEDULE

MARK	MFGR	NOM TON	E.S.PAHU/CU MODEL	CFM	OA CFM	HP	SMBH	TMBH	HEAT CAP	ELEC	FLA	OCP	OUTDOOR UNIT MODEL	ELEC	FLA	OCP	SEER	NOTES
UNITS																		
A3, A6, A7, A9	GOODMAN	1 1/2	AWST1808	600		0.4	0.2	12.6	18	5.6 KW	208/1	31	40	GLXS3BN018	208/1	9	15	13.5	
B3, B6	GOODMAN	2	AWST2408	740		0.4	0.2	16.6	23	5.6 KW	208/1	31	40	GLXS3BN024	208/1	9	15	13.5	
B9	GOODMAN	2 1/2	AWST3010	820		0.4	0.33	21.2	28.6	7.5 KW	208/1	41	50	GLXS3BN030	208/1	12	25	13.5	
COMMON AREAS																		
HA1 thru HA4, HB2, HB3, HB4, HC1 thru HC4, HDB, HD1 thru HD4, MAINT	GOODMAN	2	AMST24BU13	600-800	100	0.5	0.75	16.6	23.0	5.6 KW	208/1	31	40	GLXS3BN024	208/1	9	15	13.5	
HB1	GOODMAN	2 1/2	AMST30BU13	900-1000	140	0.5	0.75	21.2	28.6	7.5 KW	208/1	40	50	GLXS3BN030	208/1	12	25	13.5	
											208-240/								
DSS-STAIR	FUJITSU	1 1/2	ASU18RLF	540	0	0			18	23 MBH	208-240/	W/HP		ASU18RLF	208-240/1	13	25	19	WALL STAT, LOW AMB
DSS-IT	FUJITSU	1 1/2	AUU18RLFCC	400					18	21 MBH	1	W/HP		AOU18RLFC	208-240/1	7.7	20	20	WALL STAT, LOW AMB

NOTE: PROVIDE LONG LINE ACCESSORY KIT ON ALL SPLIT SYSTEMS THAT EXCEED MFGR'S LIMITS. CAPACITIES AT 80/67/95

PLUMBING FIXTURE SCHEDULE

Mark	Item	Model	Description	Individual Connections				Accessories					
				W	V	CW	HW	Supplies	Stops	Carrier	P-Trap	Drain	Other
P-1	Water Closet, Tank Type	Profio #1401TWH with PF1400T	Floor-mounted standard height white vitreous china elongated bowl 1.6 gpf gravity type with Fluidmaster 400A flush mechanicsm and bolt covers. Provide solid plastic elongated white seat with integral bumpers, external check hinges with stainless steel posts.	3" or 4"	2"	1"		2					
P-1H	Accessible Water Closet, Tank Type	Profio #1403TWH with PF1400T	Floor-mounted ADA height white vitreous china elongated bowl 1.6 gpf gravity type with Fluidmaster 400A flush mechanicsm and bolt covers. Provide solid plastic elongated white seat with integral bumpers, external check hinges with stainless steel posts. Public seats to be ProFlo #PFTSCOF2000BL	3" or 4"	2"	1"		2					
P-1P	Water Closet, Tank Type	Profio #1401TWH with PF1400T	Floor-mounted standard height white vitreous china elongated bowl 1.6 gpf gravity type with Fluidmaster 400A flush mechanicsm and bolt covers. Provide solid plastic open front elongated white seat with integral bumpers, external check hinges with stainless steel posts.	3" or 4"	2"	1"		2					
P-1HP	Accessible Water Closet, Tank Type	Profio #1403TWH with PF1400T	Floor-mounted ADA height white vitreous china elongated bowl 1.6 gpf gravity type with Fluidmaster 400A flush mechanicsm and bolt covers. Provide solid plastic open front elongated white seat with integral bumpers, external check hinges with stainless steel posts. Public seats to be ProFlo #PFTSCOF2000BL	3" or 4"	2"	1"		2					
P-2 , P-2H	Lavatory, Countertop	Hahn #VC008 with Project Source - Dover Centerset #F51B0066CP	20" x 17" rectangular vitreous china undermount lavatory with overflow. Faucet is 4" o.c. double lever ADA handles, copper waterways, chrome finish, 1.5 GPM.	2"	1 1/2" or 2"	1/2"	1/2"	2	1		1	1	
P-3	Bathtub 30" wide	Sterling Ensemble 71101110-0, Delta/Olympia #R10000PX/T-2380, Watco #W951PPRIPVCCP	60" x 36" white fiberglass reinforced plastic/acrylic non-slip basin with tub overflow and turn and lift stop with finish to match faucet. Pressure-balanced single handle valve, 2.0 gpm showerhead, tub spout with pull-up divertor.	2"	2"	1/2"	1/2"				2		
P-3H	Accommodating Bathtub	Sterling 71101110, Delta/Olympia #R10000PX/TD-2380-ADA Watco #W951PPRIPVCCP,	60" x 36" white fiberglass reinforced plastic/acrylic non-slip basin with tub overflow and turn and lift stop with finish to match faucet. Pressure-balanced single handle valve, 2.5 gpm handshower with 24" slide, VB, 60" hose, tub spout with pull-up divertor.	2"	2"	1/2"	1/2"				2		
P-3S	Shower	Sterling 95080, Delta/Olympia #R10000PX/T-2382, Watco #W951PPRIPVCCP	60" x 36" white fiberglass reinforced plastic/acrylic non-slip basin with drain grate with finish to match faucet. Pressure-balanced single handle valve, 2.0 gpm showerhead, tub spout with pull-up divertor.	2"	2"	1/2"	1/2"				2		
P-3SH	Accommodating Shower	Sterling #72570116-0 Delta #T13H323	60" x 36" reinforced resin stall with slip-resistant bottom, chrome drain outlet. Pressure-balanced single lever handle valve, 2.2 gpm with large head, satin nickel showerhead, chrome turn and lift drain fitting and diverter spout. Provide grab bars, fold-up seat, pressure-balanced single handle valve, 2.0 gpm handshower with 24" grab bar/slide, diverter valve, VB, 60" hose. Installation shall meet ADA.										
P-4	Kitchen Sink	CMI #481-1422, Olympia K-5050 (CONFIRM WITH ID/OWNER)	Stainless steel under-mount 20 ga.single bowl 29x18x9 deep. Single handle chorme faucet with pull-out sprayer. ISE Badger 1 disposer with cord/plug.	2"	2"	1/2"	1/2"	1	1		2	2	
P-4H	Accessible Kitchen Sink	Elkay #ECTSRAD25226TBG, Moen #GXP33C	Stainless steel under-mount 20 ga single bowl 25" x 22" x 6" deep with back outlet. Single handle faucet with pull-out sprayer. ISE Badger 1 disposer with cord/plug. Install per ADA clearnaces.	2"	2"	1/2"	1/2"	1	1		2	2	
P-5	Washer Box	Guy Gray #WB200HATM	Recessed non-metallic with dual PVC/ABS 2" outlets, two angle quarter turn stops with built-in shock absorbers.	2"	2"	1/2"	1/2"	1			3		
P-6	Water Outlet Box	Guy Gray #BIM877QTS	Recessed non-metallic with two angle quarter turn stops.			1/2"		1					
P-7	Not used												
P-8	Janitor's Sink	Fiat #MSB-2424	24" x 24" x 10" white molded stone with stainless steel integral drain, chrome plated brass wall mounted faucet with VB, integral stops, adjustable wall brace, pail hook, 3/4" hose threaded spout and wall shileds.	2" or 3"	2"	1/2"	1/2"				2		2

Supplies
1 - Flexible braided stainless steel
2 - Flexible braided compression hose.
3 - Sloan Royal 186 1.0 gpf diaphragm type.
4 - Public lavatories to have ASSE 1070 thrmostatic mixing valve

Stops
1 - Angle handle compression

Carrier
1 - Steel tube floor-mounted in-wall carrier with arms

P-Trap
1 - PVC with deep escutcheon
2 - PVC
3 - deep seal PVC trap and 30" standpipe.

Drain
1 - Metal pop-up with tailpiece
2 - Basket strainers in finish to match faucet, tailpiece.

Other
1 - Provide trap and supply guard if exposed.
2 - Hose and bracket, mop hanger and hose rack.

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ARCH E1 30" x 42"

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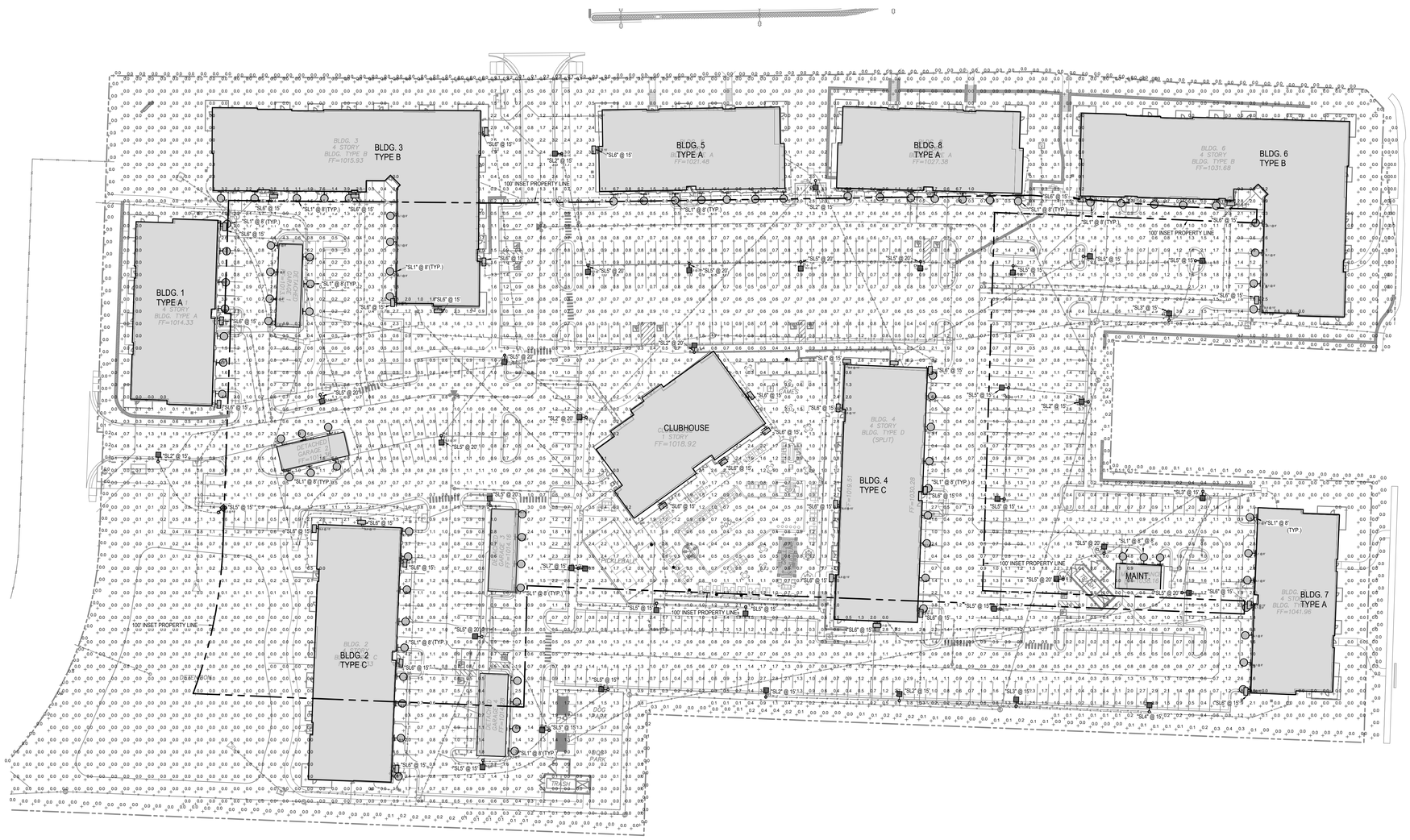
STATE OF MISSOURI
RICHARD BEARD BOWLES
NUMBER PE-2009010026
PROFESSIONAL ENGINEER
10/29/2024



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

SITE LIGHT FIXTURE SCHEDULE

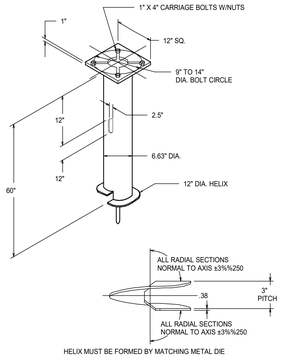
MARK	MANUFACTURE	MODEL NUMBER	MOUNTING			FINISH	LAMPS					REMARKS
			RECESS	SURFACE	WALL		LED	FLOUR.	HID	CODE	QUANTITY	
SL 1	PRESCOLITE	1152-962			X	BLACK	X			8W PAR 30 LED	1	1
SL 2	MCGRAW-EDISON	GLEON-SA1A-740-U-T2		POLE		BLACK	X			4,787LUM/34W	1	2, 3
SL 3	MCGRAW-EDISON	GLEON-SA1A-740-U-SL3		POLE		BLACK	X			4,879LUM/34W	1	2, 3
SL 4	MCGRAW-EDISON	GLEON-SA1A-740-U-SL4		POLE		BLACK	X			4,637LUM/34W	1	2, 3
SL 5	MCGRAW-EDISON	GLEON-SA1B-740-U-5WQ		POLE		BLACK	X			6,303LUM/44W	1	2, 3
SL 6	MCGRAW-EDISON	GWC-SA1A-740-U-SL4			X	BLACK	X			4,729LUM/34W	1	2
SL 7	MCGRAW-EDISON	GLEON-SA1B-740-U-5WQ		POLE		BLACK	X			6,303LUM/44W	1	2, 3, 4

REMARKS:
1 MOUNT AT 8'AFG.
2 VERIFY MOUNTING HEIGHT WITH PLAN.
3 MOUNT ON SSS POLE.
4 DUAL HEAD

NOTES:
1 FIXTURE/POLE HEIGHTS NOTED ARE FROM GRADE INCLUDING BASE

STATISTICS

Description	Avg	Max	Min	Max/Min	Avg/Min
Parking Lot	1.1 fc	8.8 fc	0.2 fc	44.0:1	5.5:1
Property Line	0.0 fc	0.5 fc	0.0 fc	N/A	N/A



HELIX MUST BE FORMED BY MATCHING METAL DIE
(SIDE VIEW OF TRUE HELICAL FORM)

2 LIGHT POLE FOUNDATION
1/8" = 1'-0"

-NOTES-
1. FINISH: HOT DIP GALVANIZE PER ASTM-A153 (LATEST REVISION).
2. BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (±1%%250) AND HOLE CENTERLINE CONCENTRIC (±.188) TO SHAFT AXIS.
3. STENCIL MIN. 1/2 IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (±.125 FIM) AND IN LINE (±2%%250).
5. FLAME CUT SLOT PERPENDICULAR TO THE BASEPLATE.
6. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
7. FLAMECUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED 3/32 IN. BELOW NOMINAL SURFACE LEVEL, (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
8. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
9. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

   BASEPLATE: ASTM A36-(LATEST REVISION) HOT ROLLED STEEL PLATE, (CONFORM TO AASHTO TECH. BUL. #270)

   SHAFT: STEEL PIPE PILES, SEAMLESS OR STRAIGHT WELDED, GRADE-2 PER ASTM A252. ALT. MATERIAL: STEEL PIPE TYPE E OR S, GRADE-B PER ASTM A53.

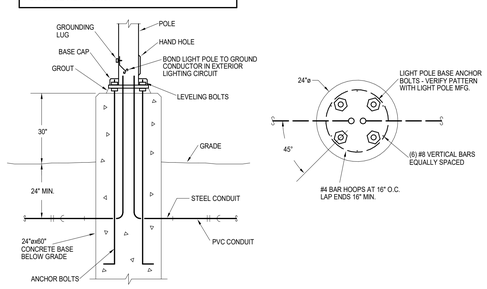
   HELIX: ASTM A635 (LATEST REVISION) HOT ROLLED STEEL.

   PILOT POINT: ASTM A575 (LATEST REVISION) STEEL BAR.

   BOLTS: CARR BOLT PER ANSI B-18.2.1,SAE J429 GRADE-5.

10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION "ABC" IN 1/2" LETTERS AND DATE CODE IN 1/4" LETTERS.

NOTE:
FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR BASE REINFORCING.



3 30" ABOVE GRADE - LIGHT POLE BASE DETAIL
NOT TO SCALE

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

REVISIONS
1 09.13.2024 FDP Comments 1
3 10.29.2024 FDP Comments 2

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
5625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME SITE PLAN - PHOTOMETRIC
SHEET NO. E0.01

10/31/2024 9:05:28 AM

ARCH E1.30" x 42"

5" Direct Wall Mount Cylinder
1152
One 75W BR30 or PAR30 Lamp 120V

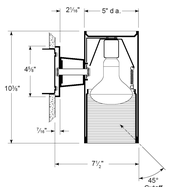
DATE: TYPE: "SL1"

FIRM NAME:

PROJECT:

LiteForms

For conversion to millimeters, multiply inches by 25.4
Not to Scale



APPLICATIONS:
The 1152 is a small-scale wall mount cylinder used to achieve direct illumination patterns on vertical walls or columns. The 1152 is suitable for a wide variety of commercial, retail and institutional applications.

HOUSING:
.0572" thick seamless extruded aluminum cylinder with diecast aluminum canopy, arm and bracket. Interlocking parts ensure proper cylinder alignment. Durable powder coat paint finish. Specify: brushed aluminum, matte black, bronze, matte white or Prescolite's exclusive Zet, metallic silver.

REFLECTOR:
Specify painted black interior, one-piece milligroove black baffle, black cone, or clear Alzak reflector.

LAMP:
One (1) 75W PAR30 or BR30 lamp. Lamp furnished by others.

SOCKET:
Porcelain socket with nickel plated screw shell.

INSTALLATION:
Easy installation onto standard J-box.

LABELS:
UL, CSA listed for wet locations

CATALOG NUMBER: EXAMPLE: 1152-962BZ

HOUSINGS

- ❑ **1152** 5" Direct wall mount cylinder with painted black interior. One 75W PAR30 or BR30
- ❑ **1152-910** 5" Direct wall mount cylinder with black milligroove baffle. One 75W PAR30 or BR30
- ❑ **1152-960** 5" Direct wall mount cylinder with black cone. One 75W PAR30 or BR30
- ❑ **1152-962** 5" Direct wall mount cylinder with clear Alzak reflector. One 75W PAR30 or BR30

FINISH OPTIONS

- ❑ **BA** Brushed aluminum
- ❑ **BL** Matte black
- ❑ **BZ** Bronze
- ❑ **WH** Matte White
- ❑ **Z** "Zet" metallic silver

Special Reflector Finishes:
Refer to specification sheet LFO-INC-037 for reflector capabilities

prescolite
A Division of Hubbell Lighting, Inc.

In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.
Web: **www.prescolite.com** • Tech Support: **(888) 777-4832**

LFO-INC-005

Project		Catalog #		Type	"SL1"
Prepared by		Notes		Date	

McGraw-Edison
GLEON Galleon
Area / Site Luminaire

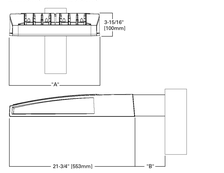
Typical Applications
Outdoor • Parking Lots • Walkways • Roadways • Building Areas

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 4
- Product Specifications page 4
- Energy and Performance Data page 4
- Control Options page 9

Quick Facts
- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt

Dimensional Details



Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Extended Arm Length[1]	"B" Quick Mount Arm Length	"B" Quick Mount Extended Arm Length
1-4	15-1/2"	7"	10"	10-5/8"	16-9/16"
5-6	21-5/8"	7"	10"	10-5/8"	16-9/16"
7-8	27-5/8"	7"	13"	10-5/8"	--
9-10	33-3/4"	7"	16"	--	--

NOTES:
1. Not available with Extended Arm.

Product Certifications
DLC Premium · DLC · DLC Premium · 3G VIB · IP66 · Certified · IDA · Year · BAA

Product Features
Lens/Side Technology · Full Cutoff · Modular · Light Architecture®

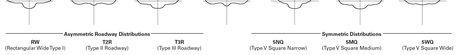
Connected Systems
- WaveLinx
- Enlighted

McGraw-Edison GLEON Galleon

Optical Distributions

Asymmetric Area Distributions

Asymmetric Roadway Distributions



Specialized Distributions

Symmetric Distributions

Rotated Optics

Product Specifications

Construction
- Extruded aluminum driver enclosure
- Heavy-wall, die-cast aluminum end-caps
- Die-cast aluminum heat sinks
- Patent pending interlocking housing and heat sink

Optics
- Patented, high-efficiency injection-molded AccuLED Optics technology
- 16 optical distributions
- 3 shielding options including HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only)

Electrical
- LED drivers are mounted to removable tray assembly for ease of maintenance
- Standard with 0-10V dimming
- Standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 10kV of transient line surge
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration.

Mounting
- Standard extruded arm includes internal bolt guides and round pole adapter
- Extended arms (EA and QMEA) may be required in 90° or 120° pole mount configurations, see arm mounting requirements table
- Mast arm (MA) factory installed
- Wall mount (WM) option available
- Quick mount arm (QM and QMEA) includes pole adapter and factory installed fixture mount for fast installation to square or round poles

Finish
- Super housing durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available
- Coastal Construction (CC) option available

Warranty
- Five year warranty

Energy and Performance Data

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

* Supported by IES TM-21 standards.
** Projections using standard calculation commonly used, however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, replacing proper use of IES TM-21 and LM-80.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

View GLEON IES files

McGraw-Edison GLEON Galleon

Ordering Information
SAMPLE NUMBER: **GLEON-SA4C-740-U-T4FT-GM**

Product Family [1,7]	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Mounting	Finish
GLEON=Gleon	**SA1**=1 Square **SA2-C** Square [2]	**A**=415mA **B**=530mA **C**=1000mA **D**=1200mA[3]	**722**=702CRI, 2200K **727**=702CRI, 2700K **730**=702CRI, 3000K **735**=702CRI, 3500K **740**=702CRI, 4000K **750**=702CRI, 5000K **760**=702CRI, 6000K **827**=802CRI, 2700K **830**=802CRI, 3000K **AMB**=Amber, 590nm [4, 5]	**U**=120-277V **1**=120V **2**=208V **3**=240V **4**=277V **5**=347V **6**=480V [6] **DV**=277-480V Duvitron Drivers [7, 8, 57]	**T2**=Type II **T3**=Type III **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **T2R**=Type II Roadway **T3R**=Type III Roadway **SNQ**=Type V Square Narrow **SMQ**=Type V Square Medium **SWQ**=Type V Square Wide	[Blank]=Arm for Round or Square Pole **EA**=Extended Arm [9] **MA**=Mast Arm Adapter [10] **WM**=Wall Mount **QM**=Quick Mount Arm (Standard Length) [11] **QMEA**=Quick Mount Arm (Extended Length) [11]	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

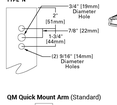
Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) [14]
DIM=External 0-10V Dimming Leads [16, 19] **F**=Single Fuse (120, 277 or 347V Specify Voltage) **FF**=Double Fuse (208, 240 or 480V Specify Voltage) **2L**=Series 20kV UL 1449 Surge Protective Device **2LT**=Two-Circuit Light Engine [19] **HA**=50°C High Ambient **HSS**=Installed House Side Shield [20] **GRSBK**=Glare Reducing Shield, Black [20] **LCE**=Light Square Trim Painted to Match Housing [20] **LCP**=Light Square Trim Plate Painted to Match Housing [20] **MT**=Factory Installed Mesh Top **TH**=Tool-less Door Hardware **CC**=Coastal Construction finish [21] **CE**=CE Marking [22] **SVD**=Optics Rotated 90° Right **CE**=CE Marking [22] **AHD140**=After Hours Dim, 5 Hours [23] **AHD40**=After Hours Dim, 6 Hours [23] **AHD255**=After Hours Dim, 7 Hours [23] **AHD35**=After Hours Dim, 8 Hours [23] **DALI**=DALI Driver [24]	**BPC**=Button Type Photocontrol **PR**=NEMA 3-PIN Photocontrol Receptacle **PR7**=NEMA 7-PIN Photocontrol Receptacle [25] **SPR2**=Dimming Occupancy Sensor with Bluetooth Interface, 8' - 20' Mounting [26] **SPR4**=Dimming Occupancy Sensor with Bluetooth Interface, 21' - 40' Mounting [26] **MS-L**=Motion Sensor for On/Off Operation, 8' - 20' Mounting Height [26, 27] **MS-L40**=Motion Sensor for On/Off Operation, 21' - 40' Mounting Height [26, 28] **MS/DIM-L**=Motion Sensor for Dimming Operation, 8' - 20' Mounting Height [26, 27] **MS/DIM-L40**=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [26, 28] **ZW**=WaveLinx Module and 4-PIN Receptacle **ZD**=WaveLinx Module with DALI driver and 4-PIN Receptacle [29, 30] **SWPD4SQ**=WaveLinx Sensor Only, 7'-15' [26, 31, 32] **SWPD3SQ**=WaveLinx Sensor Only, 15'-40' [26, 31, 32] **WSBDEX**=WaveLinx Sensor with Bluetooth, 7'-15' [26, 31, 32] **WCFEX**=WaveLinx Sensor with Bluetooth, 15'-40' [26, 31, 32] **LWS-L**=Enlighted Wireless Sensor, 8'-20' Mounting Height [26, 33] **LWS-L40**=Enlighted Wireless Sensor, Wide Lens for 21'-40' Mounting Height [26, 33] **LWS-LN**=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting Height [26, 33]	**GA/RA1010**=NEMA Photocontrol Multi-Tap - 105-285V **GA/RA1027**=NEMA Photocontrol - 480V **GA/RA1201**=NEMA Photocontrol - 347V **GA/RA1015**=Photocontrol Shorting Cap **GA/RA1014**=120V Photocontrol **MA1028-XX**=Mast Arm Adapter for Replacement **MA1026-XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1027-XX**=@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1197-XX**=@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1188-XX**=@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1189-XX**=@72° Tenon Adapter for 2-3/8" O.D. Tenon **MA1190-XX**=@60° Tenon Adapter for 2-3/8" O.D. Tenon **MA1191-XX**=@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1030-XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1029-XX**=@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1192-XX**=@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1193-XX**=@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1194-XX**=@72° Tenon Adapter for 3-1/2" O.D. Tenon **MA1195-XX**=@60° Tenon Adapter for 3-1/2" O.D. Tenon **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [34] **GLCON-MT1**=Field Installed Mesh Top for 1-4 Light Squares **GLCON-MT2**=Field Installed Mesh Top for 5-6 Light Squares **GLCON-MT3**=Field Installed Mesh Top for 7-8 Light Squares **GLCON-MT4**=Field Installed Mesh Top for 9-10 Light Squares **GLCON-QM**=Quick Mount Arm Kit [11] **GLCON-QMEA**=Quick Mount Extended Arm Kit [11] **LS/HSS**=Field Installed House Side Shield [20, 35] **LS/GRSBK**=Glare Reducing Shield, Black [20, 35] **LS/GRSWH**=Glare Reducing Shield, White [20, 35] **LS/PFS**=Perimeter Shield, Black [35] **WGLC-PF-XSA**=WaveLinx Outdoor Control Module [36, 37] **SWPD4-XX**=Wireless Wireless Sensor, 7'–15' Mounting Height [26, 36, 38, 39] **SWPD3-XX**=Wireless Wireless Sensor, 15' – 40' Mounting Height [26, 36, 38, 39]

NOTES:
1. Designlight Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Two light squares with CBP options limited to 25°C. CBP not available in combination with sensor options at 1200mA.
3. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A, supplied at 500mA drive current only. Exact luminaire wattage available in the GLEON Family Models. SNQ, SMQ, SWQ, SLL, SLR and SLA distributions. Can be used with HSS option.
4. Not available with A4 option.
5. Coastal construction finish salt spray tested to over 5,000 hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
6. Require the use of a step down transformer. Not available in combination with sensor options at 1200mA.
7. 480V not to be used with ungrounded or impedance grounded systems.
8. Duvitron drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.applit.com/duvinet for more information.
9. Not available with Mast Arm Adapter (MA).
10. Low voltage control leads extended 36" from fixture.
11. Not available in 1200mA. When used with CBP or HA options, only available with single light square.
12. Not available in 1200mA, UPS or CBP options. Available with single light square.
13. Not available with SLL, SLR, SLA, HA, CBP, PR or PR7 options.
14. Operates a single light square only. Operates at -20°C to +40°C. Backbox is non-IP rated. Control option limited to BPC.
15. Equipped with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI contacts.
16. Requires the use of a photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
17. The FSIR-100 configuration tool is required to adjust parameters such as high and low modes, sensitivity, time delay and cutoff. Consult your lighting representative at Cooper Lighting Solutions for more information.
18. Replace LEX with LDB (3-8" mounting), L20 (9'-20' mounting) or L40W (21'-40' mounting.)
19. Intelligent wireless sensors are factory installed requiring network components in appropriate quantities.
20. White sensor shipped on all housing color options.
21. Not available with HSS or GRS options.
22. Not available with Enlighted wireless sensors.
23. Control unit with 1 amp fuse. Not available with 347V, 480V or CBP options.
24. Low voltage control lead brought out 18" outside fixture.
25. Requires the use of a 7-PIN photocontrol. Not available with sensor options.
26. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
27. Not for use with T4FT, T4W or SL4 optics. See IES files for details.
28. Set of 4 pcs. Once set required per Light Square.
29. Cannot be used in conjunction with additional photocontrol or other controls systems
30. Not for use with PR7, MS or PR options.
31. BWC-XSA is required to enable field-configurability: Order WAC-PoE and WPOE-120/277V to PoE inject(or) power supply if needed.
32. Requires 2W or 2D receptacle.
33. Replace K4 with sensor color (WH, BZ, or BK).
34. Specify 120V or 277V.
35. Sensor has mobile application required to change system defaults. See controls section for more details.
36. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
37. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under BAA or TAA preference requirements. Consult factory for further information.
38. Not available in 1 square configuration at 800mA or below. Not available with any control option except DTB.
39. 2L not available with FF, 6HD or 2ALJ options. Controls and/or battery packs operate only one of the two circuits when 2L is specified. 2L with controls options not available with 347V or 480V.

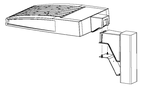
McGraw-Edison GLEON Galleon

Mounting Details

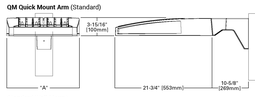
Standard Arm (Drilling Pattern)



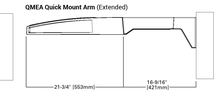
Quick Mount Arm (Includes fixture adapter)



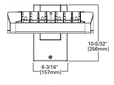
QM Quick Mount Arm (Standard)

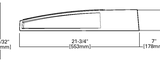


QMEA Quick Mount Arm (Extended)

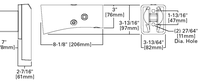


Standard Wall Mount



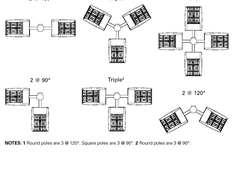


Mast Arm Mounted



Arm Mounting Requirements

Number of Light Squares	Standard Arm @ 90° Apart	Standard Arm @ 120° Apart	Quick Mount Arm @ 90° Apart	Quick Mount Arm @ 120° Apart
1	Standard	Standard	QM Extended	Quick Mount
2	Standard	Standard	QM Extended	Quick Mount
3	Standard	Standard	QM Extended	Quick Mount
4	Standard	Standard	QM Extended	Quick Mount
5	Extended	Standard	QM Extended	Quick Mount
6	Extended	Standard	QM Extended	Quick Mount
7	Extended	Extended	--	Quick Mount
8	Extended	Extended	--	Quick Mount
9	Extended	Extended	--	--
10	Extended	Extended	--	--



NOTES: 1 Round poles are a 3 @ 120°. Square poles are a 3 @ 90°. 2 Round poles are a 3 @ 90°.

Fixture Weights and EPAs

Number of Light Squares	Weight with Standard and Extended Arm (lbs.)	EPA with Standard and Extended Arm (Sq. Ft.)	Weight with Quick Mount Arm (lbs.)	EPA with Quick Mount Arm (Sq. Ft.)	Weight with Quick Mount Extended Arm (lbs.)	EPA with Quick Mount Extended Arm (Sq. Ft.)
1-4	33	0.96	35	1.11	38	1.11
5-6	44	1.00	46	1.11	49	1.11
7-8	54	1.07	56	1.11	--	--
9-10	63	1.12	--	--	--	--

Project		Catalog #		Type	"SL2", "SL3"
Prepared by		Notes		Date	

McGraw-Edison
GWC Galleon Wall
Wall Mount Luminaire

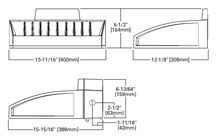
Product Features
Light Architecture®

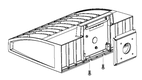
Product Certifications
DLC Premium · DLC · DLC Premium · Certified · FC · IP66 · IDA · Year · BAA

Connected Systems
- WaveLinx
- Enlighted

Quick Facts
- Choice of thirteen high-efficiency, patented AccuLED Optics
- Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- Efficacies up to 154 lumens per watt

Dimensional Details





NOTES:
1. Visit http://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

McGraw-Edison GWC Galleon Wall

Ordering Information
SAMPLE NUMBER: **GWC-SA2C-740-U-T4FT-GM**

Product Family [1]	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Finish
GWC=Galleon Wall **BAA**=Buy American Act Compliant [2] **TAA-GWC**=Galleon Wall, Trade Agreements Act Compliant [2]	**SA1**=1 Square **SA2-C** Square [3]	**A**=415mA **B**=530mA **C**=1000mA	**722**=702CRI, 2200K **727**=702CRI, 2700K **730**=702CRI, 3000K **735**=702CRI, 3500K **740**=702CRI, 4000K **750**=702CRI, 5000K **760**=702CRI, 6000K **827**=802CRI, 2700K **830**=802CRI, 3000K **AMB**=Amber, 590nm [4, 5]	**U**=120-277V **1**=120V **2**=208V **3**=240V **4**=277V **5**=347V **DV**=277-480V Duvitron Drivers [6, 57]	**T2**=Type II **T3**=Type III **T4FT**=Type IV Forward Throw **T4W**=Type IV Wide **SL2**=Type II w/Spill Control **SL3**=Type III w/Spill Control **SL4**=Type IV w/Spill Control **SLL**=90° Spill Light Eliminator Left **SLR**=90° Spill Light Eliminator Right **RW**=Rectangular Wide Type I **SNQ**=Type V Square Narrow **SMQ**=Type V Square Medium **SWQ**=Type V Square Wide	**AP**=Grey **BZ**=Bronze **BK**=Black **DP**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)	Accessories (Order Separately) [13]
F=Single Fused (120, 277 or 347V. Must Specify Voltage) **FF**=Double Fused (208, 240 or 480V. Must Specify Voltage) **10K**=10kV Surge Module **20K**=Series 20kV UL 1449 Surge Protective Device **2L**=Two-Circuit Light Engine [18] **DIM**=0-10V Dimming Leads [15, 18] **CBP**=Battery Pack with Back Box, Cold Weather Rated, CEC compliant [14, 15] **L90**=Optics Rotated 90° Left **R90**=Optics Rotated 90° Right **HSS**=Factory Installed House Side Shield [19] **GRSBK**=Factory Installed Glare Shield, Blk [19] **GRSWH**=Factory Installed Glare Shield, Wht [19] **UPL**=Uplight Housing [19] **HA**=50°C High Ambient **LCP**=Light Square Trim Plate Painted to Match Housing [19] **MT**=Factory Installed Mesh Top **CC**=Coastal Construction finish [20] **CE**=CE Marking and Small Terminal Block [21] **AHD140**=After Hours Dim, 5 Hours [22] **AHD40**=After Hours Dim, 6 Hours [22] **AHD255**=After Hours Dim, 7 Hours [22] **AHD35**=After Hours Dim, 8 Hours [22] **DALI**=DALI Driver [23]	**BPC**=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) **PR**=NEMA 3-PIN Twistlock Photocontrol Receptacle **PR7**=NEMA 7-PIN Twistlock Photocontrol Receptacle [24] **SPR2**=Dimming Occupancy Sensor with Bluetooth Interface, <8' - 20' Mounting [25] **SPR4**=Dimming Occupancy Sensor with Bluetooth Interface, 21' - 40' Mounting [25] **MS-L**=Motion Sensor for On/Off Operation [17, 25, 26] **MS/DIM-L**=Motion Sensor for Dimming Operation [17, 25, 26] **ZW**=WaveLinx-enabled 4-PIN Twistlock Receptacle [25, 26] **ZD**=WaveLinx Module with DALI driver and 4-PIN Receptacle [25, 26] **SWPD4SQ**=WaveLinx Sensor Only, 7'-15' [25, 26, 27] **SWPD3SQ**=WaveLinx Sensor Only, 15'-40' [25, 26, 27] **WSBDEX**=WaveLinx Sensor with Bluetooth, 7'-15' [25, 26, 27] **WCFEX**=WaveLinx Sensor with Bluetooth, 15'-40' [25, 26, 27] **LWS-L**=Enlighted Wireless Sensor, Wide Lens for 8'-16' Mounting Height [25, 26, 28] **LWS-LN**=Enlighted Wireless Sensor, Narrow Lens for 16'-40' Mounting Height [25, 26, 28]	**GA/RA1013**=Photocontrol Shorting Cap **GA/RA1010**=NEMA Photocontrol - Multi-Tap 105-285V **GA/RA1201**=NEMA Photocontrol - 347V **GA/RA1027**=NEMA Photocontrol - 480V **MA1035XX**=Mast Arm Adapter for Retrofit **MA1035XX**=Thru-branch Back Box (Must Specify Color) **LS/HSS**=Field Installed House Side Shield [19, 29] **LS/GRSBK**=Glare Shield, Black [19, 29] **LS/GRSWH**=Glare Shield, White [19, 29] **LS/PFS**=Perimeter Shield, Black [29] **FSIR-100**=Wireless Configuration Tool for Occupancy Sensor [30] **WGLC-7P-1SA**=WaveLinx Outdoor Control Module (7-pin) [26, 29] **SWPD4-XX**=Wireless Wireless Sensor, 7' – 15' Mounting Height [26, 29, 31, 32, 33] **SWPD3-XX**=Wireless Wireless Sensor, 15' – 40' Mounting Height [26, 29, 31, 32, 33]

NOTES:
1. Designlight Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
3. Two light squares with CBP options limited to 25°C. CBP not available in combination with sensor options at 1200mA.
4. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A, supplied at 500mA drive current only. Exact luminaire wattage available in the GWC Family Models. SNQ, SMQ, SWQ, SLL, SLR and SLA distributions. Can be used with HSS option.
5. Not available with A4 option.
6. Require the use of a step down transformer. Not available in combination with sensor options at 1200mA.
7. 480V not to be used with ungrounded or impedance grounded systems.
8. Duvitron drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.applit.com/duvinet for more information.
9. Not available with Mast Arm Adapter (MA).
10. Low voltage control leads extended 36" from fixture.
11. Not available in 1200mA. When used with CBP or HA options, only available with single light square.
12. Not available in 1200mA, UPS or CBP options. Available with single light square.
13. Not available with SLL, SLR, SLA, HA, CBP, PR or PR7 options.
14. Operates a single light square only. Operates at -20°C to +40°C. Backbox is non-IP rated. Control option limited to BPC.
15. Equipped with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI contacts.
16. Requires the use of a photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
17. The FSIR-100 configuration tool is required to adjust parameters such as high and low modes, sensitivity, time delay and cutoff. Consult your lighting representative at Cooper Lighting Solutions for more information.
18. Replace LEX with LDB (3-8" mounting), L20 (9'-20' mounting) or L40W (21'-40' mounting.)
19. Intelligent wireless sensors are factory installed requiring network components in appropriate quantities.
20. White sensor shipped on all housing color options.
21. Not available with HSS or GRS options.
22. Not available with Enlighted wireless sensors.
23. Control unit with 1 amp fuse. Not available with 347V, 480V or CBP options.
24. Low voltage control lead brought out 18" outside fixture.
25. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
26. Not for use with T4FT, T4W or SL4 optics. See IES files for details.
27. Set of 4 pcs. Once set required per Light Square.
28. Cannot be used in conjunction with additional photocontrol or other controls systems
29. Not for use with PR7, MS or PR options.
30. BWC-XSA is required to enable field-configurability: Order WAC-PoE and WPOE-120/277V to PoE inject(or) power supply if needed.
31. Requires 2W or 2D receptacle.
32. Replace K4 with sensor color (WH, BZ, or BK).
33. Specify 120V or 277V.
34. Sensor has mobile application required to change system defaults. See controls section for more information.
35. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
36. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under BAA or TAA preference requirements. Consult factory for further information.
37. Not available in 1 square configuration at 800mA or below. Not available with any control option except DTB.
38. 2L not available with FF, 6HD or 2ALJ options. Controls and/or battery packs operate only one of the two circuits when 2L is specified. 2L with controls options not available with 347V or 480V.

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21-1-0276

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KANSAS, 66207

STATE OF MISSOURI · RICHARD BEARD · NUMBER PE-2009120155A · PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS

ARCH E1.30" x 42"

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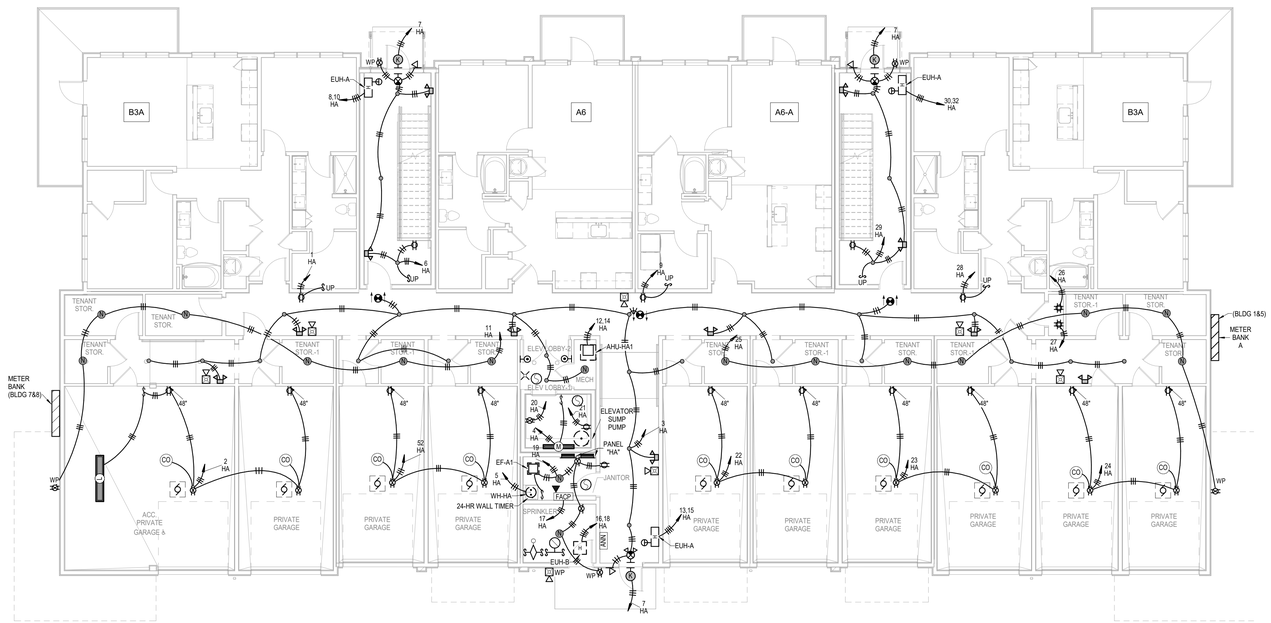
Lee's Summit, Missouri
10/29/24

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
3.	EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4.	PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5.	FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS FOR LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6.	LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7.	PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/ EQUIPMENT SERVED.
8.	SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9.	SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10.	ALL DISC FIXTURES ARE TYPE A UNO ALL CLOSET FIXTURES ARE TYPE N UNO ALL FIXTURES ARE TYPE X1 UNO ALL FIXTURES ARE TYPE X2 UNO ALL FIXTURES ARE TYPE X3 UNO ALL FIXTURES ARE TYPE X4 UNO FIXTURES DESIGNATED AS "L##" IN CLUB AREA TO BE SPECIFIED BY INTERIOR DESIGNER
11.	SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12.	GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13.	ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING A - 1ST FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009019324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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△REVISIONS

LS&A
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Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

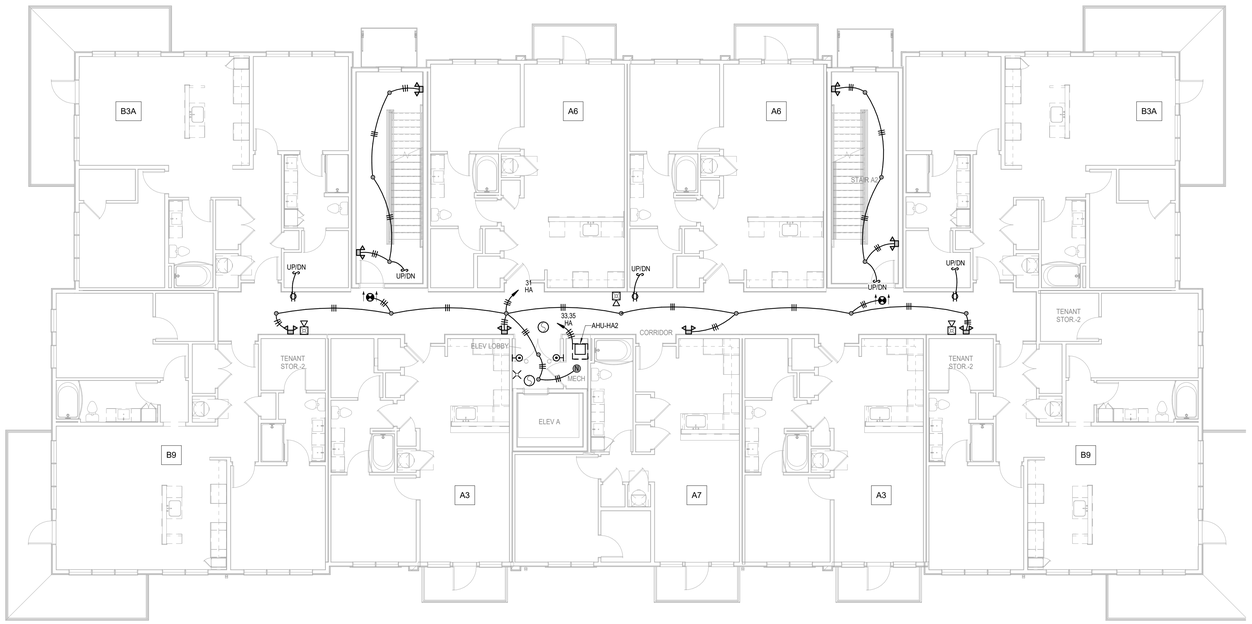
JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
BUILDING A - FIRST FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.11

10/31/2024 9:05:31 AM

ARCH E1.3(9" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
3.	EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4.	PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5.	FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS FOR LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6.	LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7.	PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/ EQUIPMENT SERVED.
8.	SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9.	SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10.	ALL DISC FIXTURES ARE TYPE A UNO ALL CLOSET FIXTURES ARE TYPE N UNO ALL FIXTURES ARE TYPE X1 UNO ALL FIXTURES ARE TYPE X2 UNO ALL FIXTURES ARE TYPE X3 UNO ALL FIXTURES ARE TYPE X4 UNO FIXTURES DESIGNATED AS "L##" IN CLUB AREA TO BE SPECIFIED BY INTERIOR DESIGNER
11.	SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12.	GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13.	ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING A - 2ND FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

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24-0826

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-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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3639 SW Summerfield Drive, Suite A
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME
BUILDING A - SECOND FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.12

10/31/2024 9:05:32 AM

ARCH E1.3(P) x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
3.	EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4.	PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5.	FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS FOR LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6.	LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7.	PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/ EQUIPMENT SERVED.
8.	SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9.	SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
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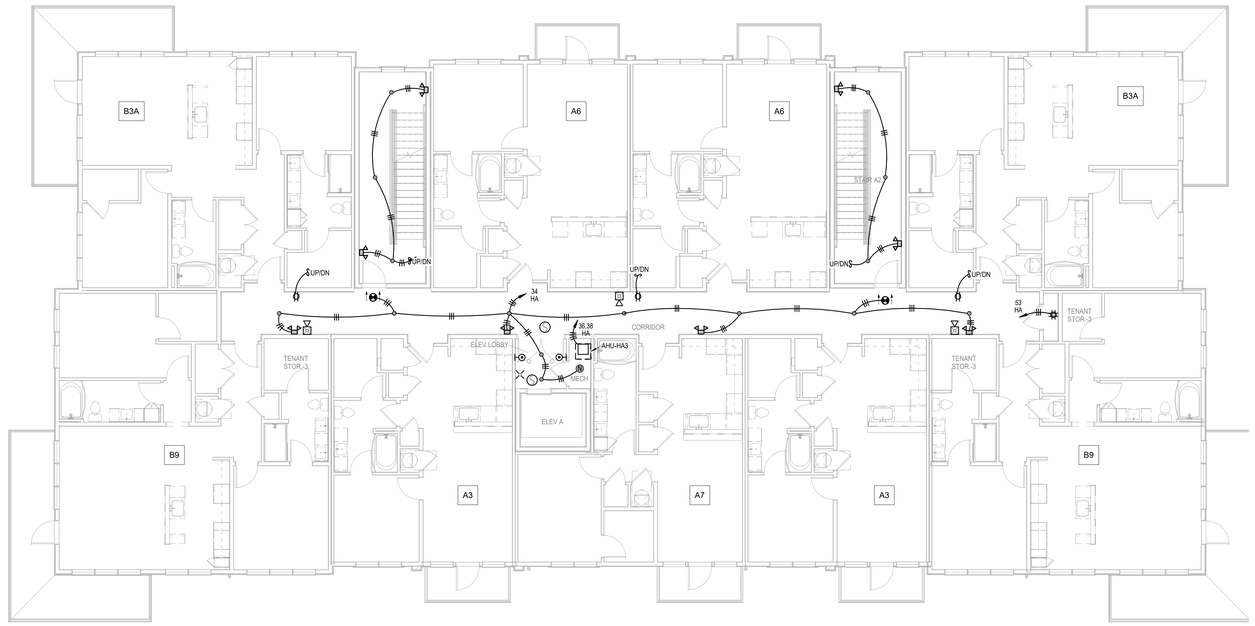
11.	SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12.	GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13.	ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING A - 3RD FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

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STATE OF MISSOURI
RICHARD BEARD NUMBER PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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LS&A Latimer Sommers & Associates P.A.
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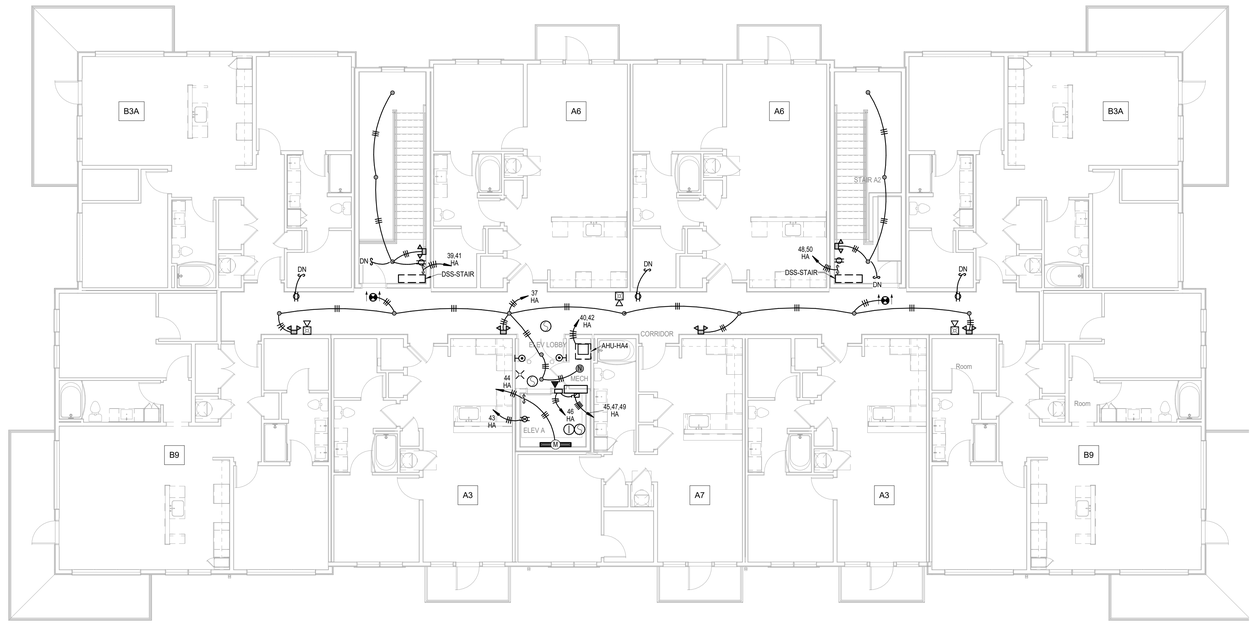
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING A - THIRD FLOOR PLAN - ELECTRICAL
SHEET NO. E1.13

10/31/2024 9:06:34 AM

ARCH E1.39" x 42"

ELECTRICAL BUILDING NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS FOR LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/ EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNO ALL CLOSET FIXTURES ARE TYPE N UNO ALL FIXTURES ARE TYPE X1 UNO ALL FIXTURES ARE TYPE X2 UNO ALL FIXTURES ARE TYPE X3 UNO ALL FIXTURES ARE TYPE X4 UNO FIXTURES DESIGNATED AS "L##" IN CLUB AREA TO BE SPECIFIED BY INTERIOR DESIGNER
11. SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12. GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13. ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING A - 4TH FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

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-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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LS&A
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8625 College Boulevard, Suite 102
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

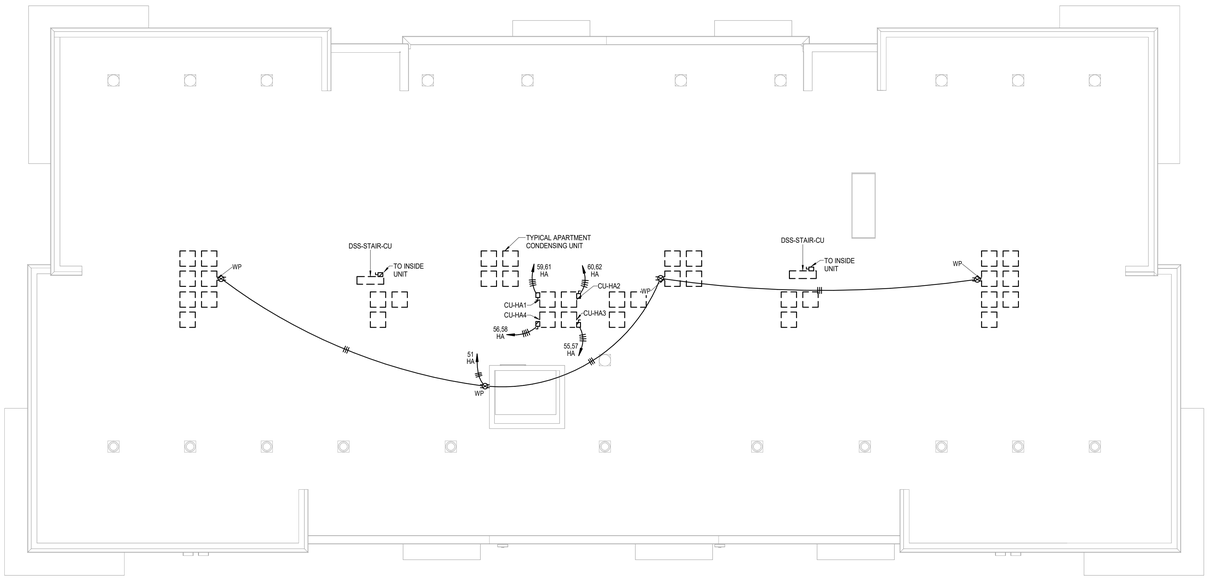
JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
BUILDING A - FOURTH FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.14

10/31/2024 9:05:35 AM

ARCH E1.30" x 42"

ELECTRICAL BUILDING NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS FOR LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/ EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNO ALL CLOSET FIXTURES ARE TYPE N UNO ALL FIXTURES ARE TYPE X1 UNO ALL FIXTURES ARE TYPE X2 UNO ALL FIXTURES ARE TYPE X3 UNO ALL FIXTURES ARE TYPE X4 UNO FIXTURES DESIGNATED AS "L##" IN CLUB AREA TO BE SPECIFIED BY INTERIOR DESIGNER
11. SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12. GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13. ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING A - ROOF PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/29/24

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-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
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△REVISIONS

LS&A CONSULTING ENGINEERS
Latimer Sommers & Associates P.A.
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
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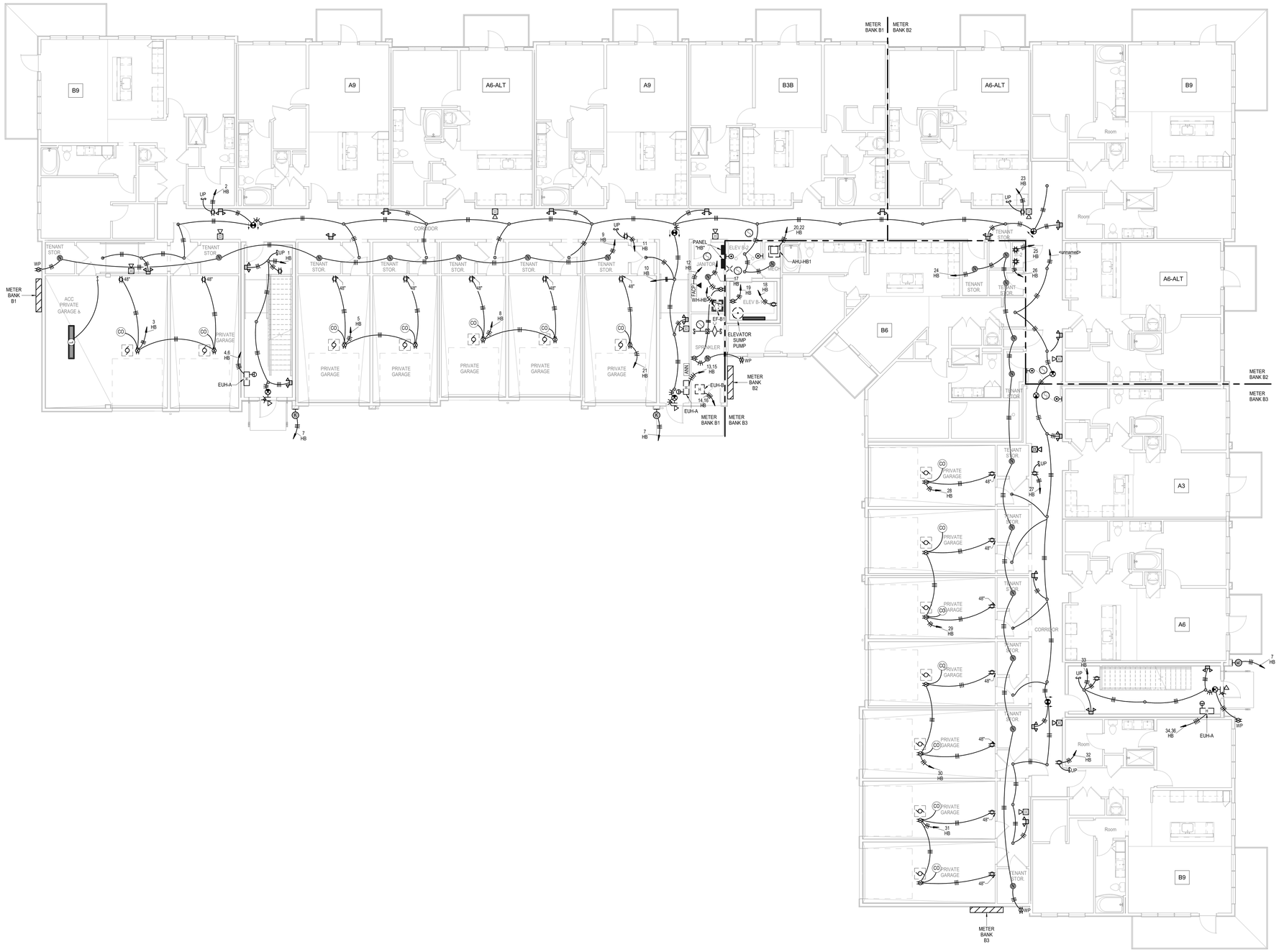
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING A - ROOF PLAN - ELECTRICAL
SHEET NO. E1.15

10/31/2024 9:05:36 AM

ARCH E1.30" x 42"



1 BUILDING B - 1ST FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 3, 6)

ELECTRICAL BUILDING NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
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    ALL CLOSET FIXTURES ARE TYPE N UNO
    ALL FIXTURES ARE TYPE X1 UNO
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    ALL FIXTURES ARE TYPE X3 UNO
    ALL FIXTURES ARE TYPE X4 UNO
    FIXTURES DESIGNATED AS "L##" IN CLUB AREA TO BE SPECIFIED BY INTERIOR DESIGNER
11. SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12. GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13. ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL

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Lee's Summit, Missouri
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STATE OF MISSOURI · RICHARD BEARD · NUMBER PE-2009010024 · PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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△REVISIONS

LS&A Latimer Sommers & Associates P.A.
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - FIRST FLOOR PLAN - ELECTRICAL
SHEET NO. E1.21

10/31/2024 9:05:38 AM

ARCH E1.30" x 42"

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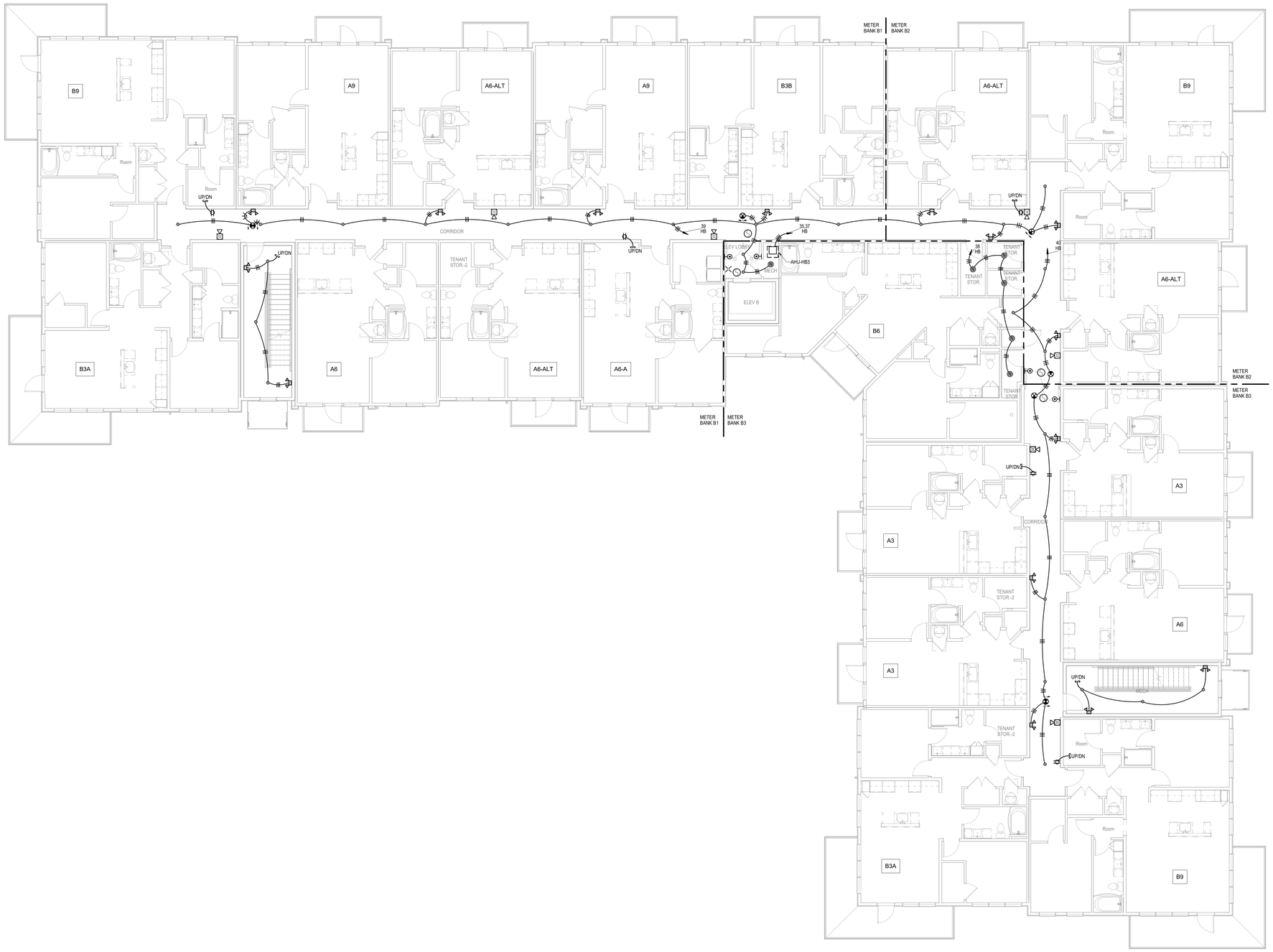

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12. GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
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1 BUILDING B - 2ND FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 3, 6)

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STATE OF MISSOURI
RICHARD BEARD WILSON
NUMBER PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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JOB NO. 720522
DATE 09.16.2024
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SHEET NAME
BUILDING B - SECOND FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.22

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3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
5625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

10/31/2024 9:05:41 AM

ARCH E1.30" x 42"

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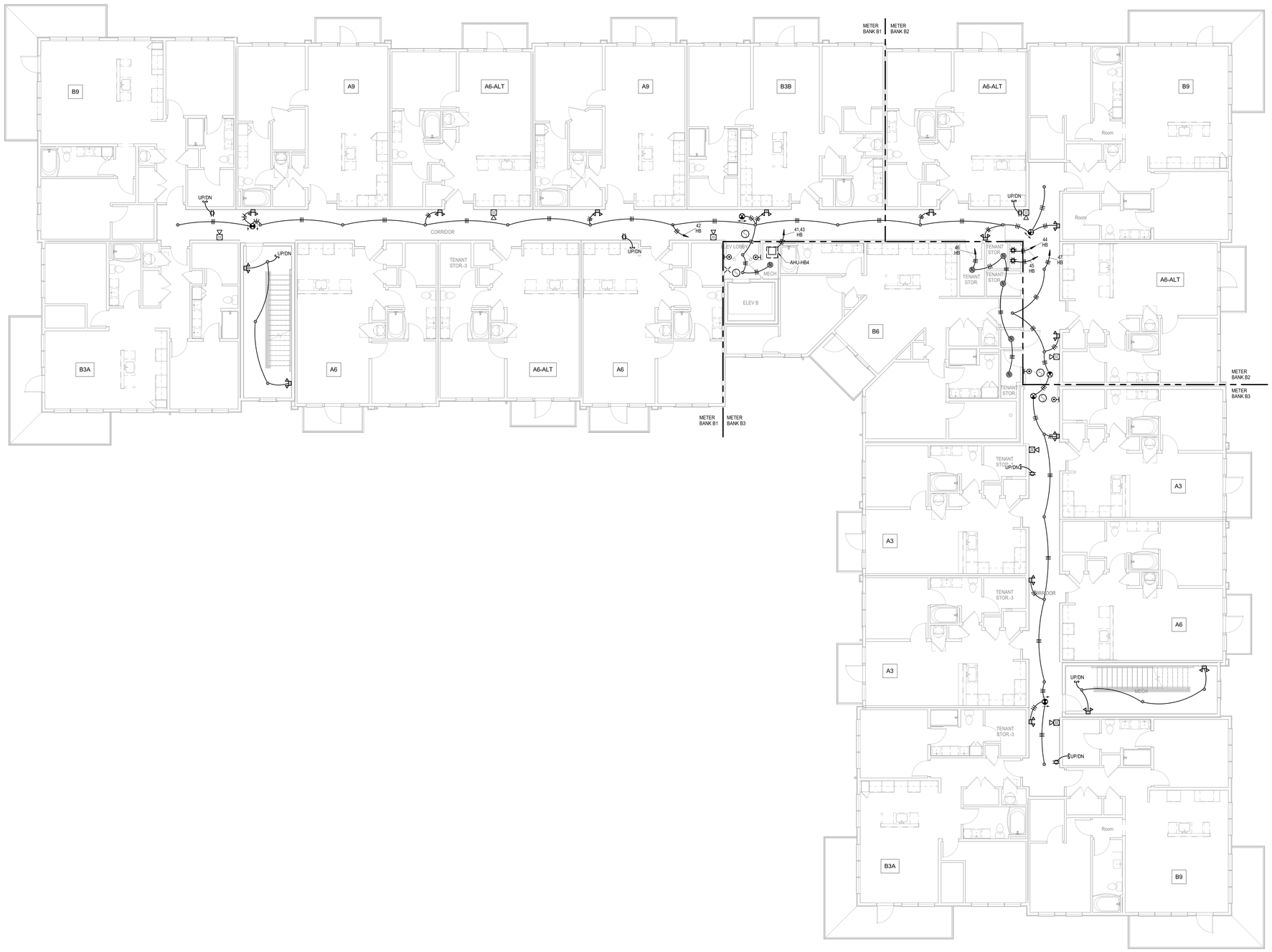
Development Services Department
Lee's Summit, Missouri
10/31/24



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12. GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13. ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL

1 BUILDING B - 3RD FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 3, 6)

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STATE OF MISSOURI — RICHARD BEARDSLEY — NUMBER PE-2009010024 — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
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LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
BUILDING B - THIRD FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.23

10/31/2024 9:05:43 AM

ARCH E1.30" x 42"

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As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/24

ELECTRICAL BUILDING NOTES:

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13. ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL

1 BUILDING B - 4TH FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 3, 6)

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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER PE-2009010558
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Overland Park, Kansas 66210
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - FOURTH FLOOR PLAN - ELECTRICAL
SHEET NO. E1.24

10/31/2024 9:05:45 AM

ARCH E1.30" x 42"

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ELECTRICAL BUILDING NOTES:
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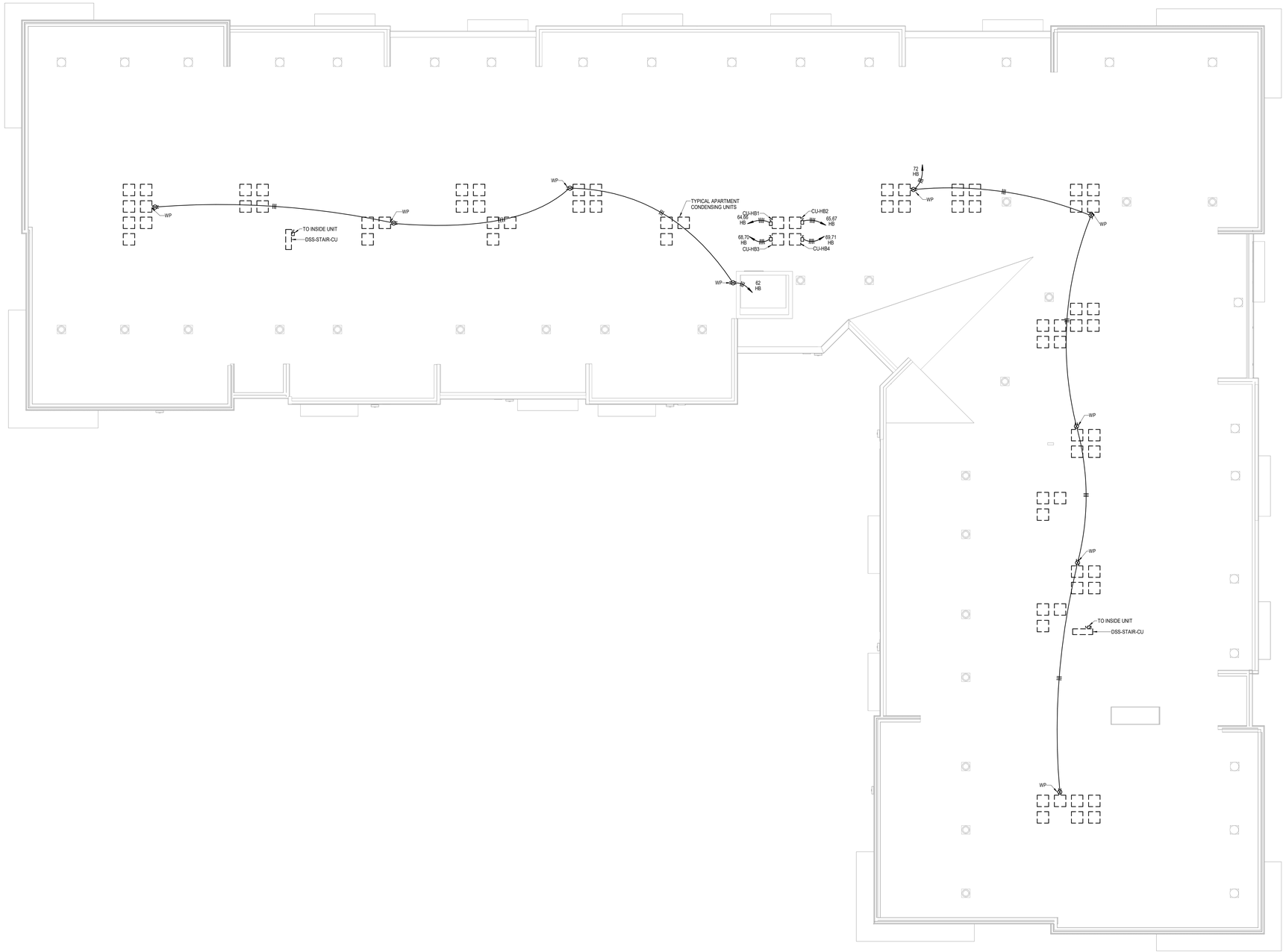
12. GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13. ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING B - ROOF PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 3, 6)

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STATE OF MISSOURI
RICHARD BEARD PATTON
NUMBER PE-2009019324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING B - ROOF PLAN - ELECTRICAL
SHEET NO. E1.25

10/31/2024 9:05:46 AM

ARCH E1.30" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
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12.	GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13.	ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL

1 BUILDING C - 1ST FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 2, 4)

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11/12/24

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STATE OF MISSOURI
RICHARD BEARD WILLIAMS
NUMBER
PE-2009019324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

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LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
BUILDING C - FIRST FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.31

10/31/2024 9:05:49 AM

ARCH E1.32" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
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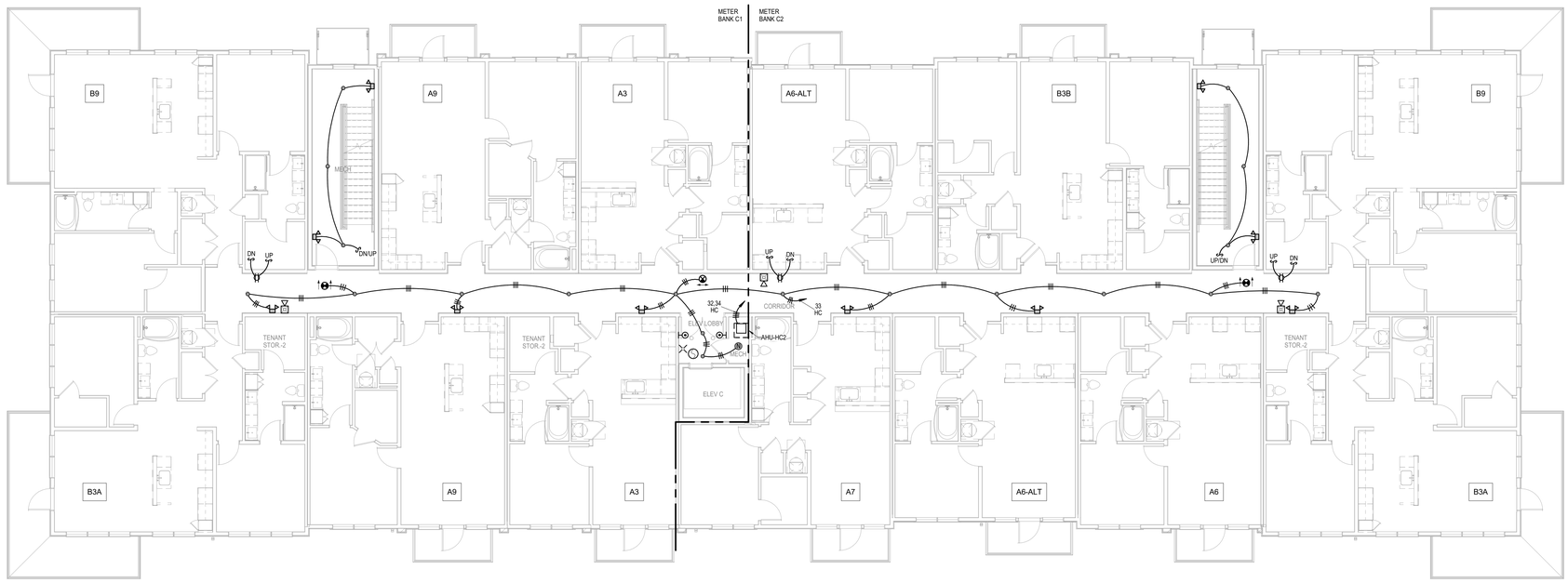

1 BUILDING C - 2ND FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 2, 4)

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KANSAS, 66207
-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
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Lee's Summit, Missouri
10/31/24

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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- 09.16.24 PERMIT SET

△ REVISIONS

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LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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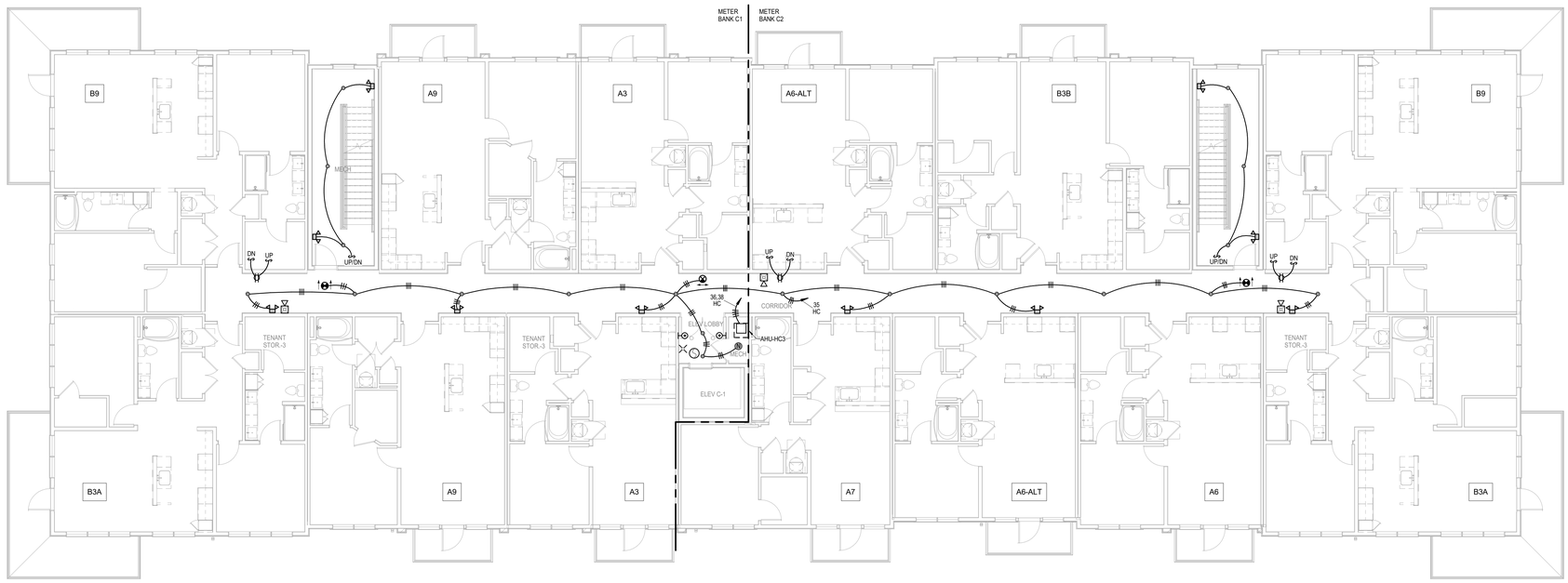
SHEET NAME
BUILDING C - SECOND FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.32

10/31/2024 9:05:49 AM

ARCH E1.33" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
3.	EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4.	PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5.	FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS FOR LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6.	LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7.	PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/ EQUIPMENT SERVED.
8.	SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9.	SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10.	ALL DISC FIXTURES ARE TYPE A UNO ALL CLOSET FIXTURES ARE TYPE N UNO ALL FIXTURES ARE TYPE X1 UNO ALL FIXTURES ARE TYPE X2 UNO ALL FIXTURES ARE TYPE X3 UNO ALL FIXTURES ARE TYPE X4 UNO FIXTURES DESIGNATED AS "L##" IN CLUB AREA TO BE SPECIFIED BY INTERIOR DESIGNER
11.	SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12.	GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13.	ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING C - 3RD FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 2, 4)

nspj ARCHITECTS
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LANDSCAPE
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NSPJARCH.COM
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PRAIRIE VILLAGE,
KANSAS,66207

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As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/2024

STATE OF MISSOURI
RICHARD BEARDSLEY
NUMBER
PE-2009019558
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
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SHEET NAME
BUILDING C - THIRD FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.33

LS&A Latimer Sommers & Associates P.A.
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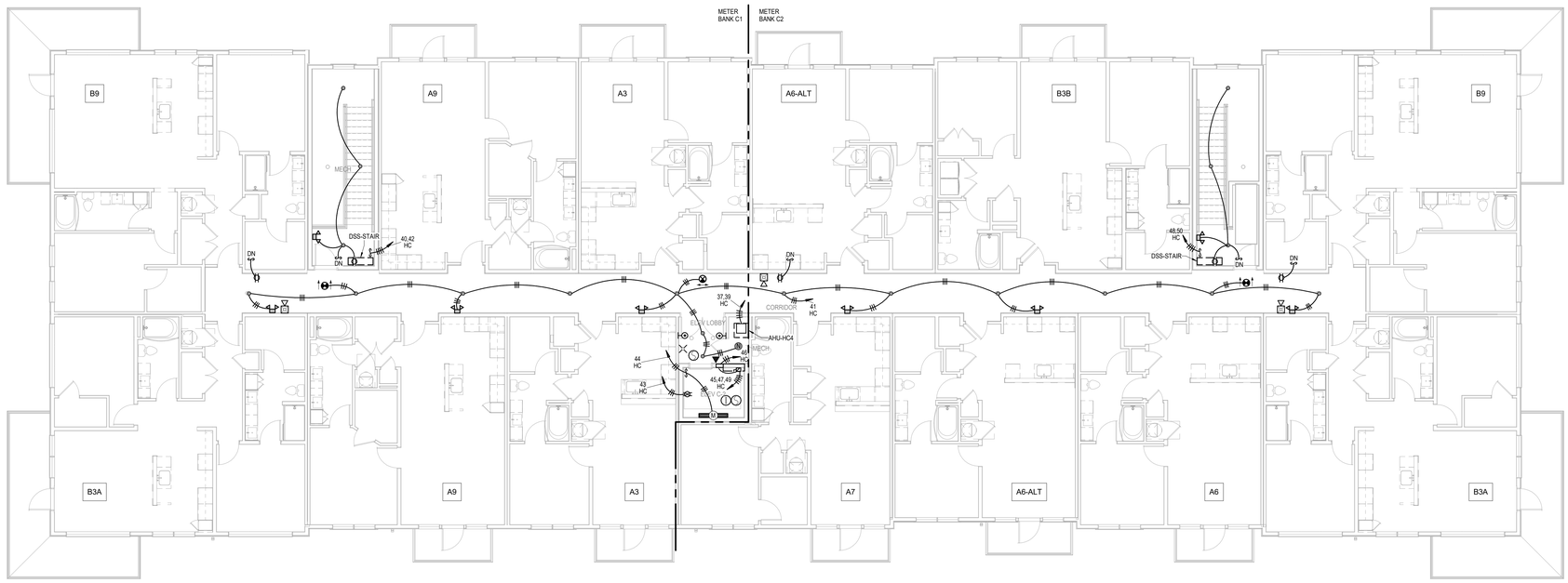
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

10/31/2024 9:05:51 AM

ARCH E1.30" x 42"

ELECTRICAL BUILDING NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS FOR LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/ EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNO ALL CLOSET FIXTURES ARE TYPE N UNO ALL FIXTURES ARE TYPE X1 UNO ALL FIXTURES ARE TYPE X2 UNO ALL FIXTURES ARE TYPE X3 UNO ALL FIXTURES ARE TYPE X4 UNO FIXTURES DESIGNATED AS "L##" IN CLUB AREA TO BE SPECIFIED BY INTERIOR DESIGNER
11. SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12. GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13. ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING C - 4TH FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 2, 4)

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PRAIRIE VILLAGE, KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARDSLEY
NUMBER PE-2009010024
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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• 09.16.24 PERMIT SET

△ REVISIONS

LS&A Latimer Sommers & Associates P.A.
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8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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SHEET NAME
BUILDING C - FOURTH FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.34

10/31/2024 9:05:52 AM

ARCH E1.35" x 42"

ELECTRICAL BUILDING NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS FOR LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/ EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
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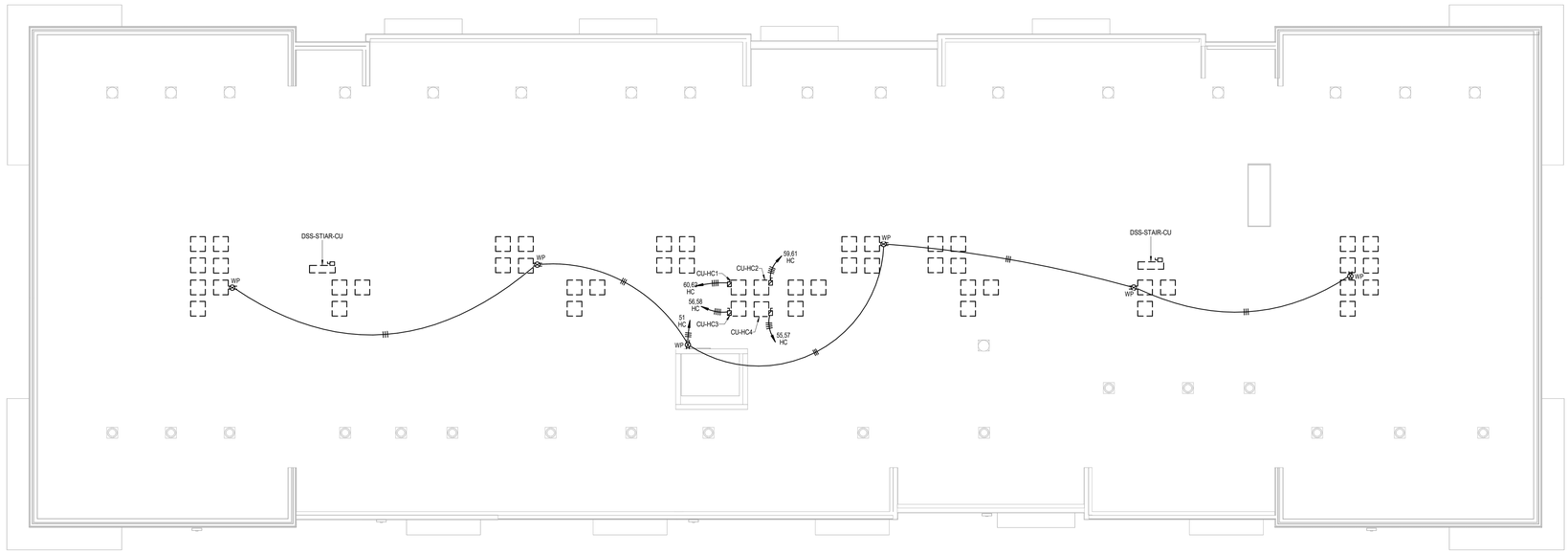
11. SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12. GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13. ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING C - ROOF PLAN

ELECTRICAL
1/8" = 1'-0"
(BUILDINGS 2, 4)

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Lee's Summit, Missouri
11/12/24

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KANSAS,66207
-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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△ REVISIONS

LS&A Latimer Sommers & Associates P.A.
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Topeka, Kansas 6614-3974
9625 College Boulevard, Suite 102
Overland Park, Kansas 66210
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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PERMIT SET
SHEET NAME
BUILDING C - ROOF PLAN - ELECTRICAL
SHEET NO.
E1.35

10/31/2024 9:05:53 AM

ARCH E1.30" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
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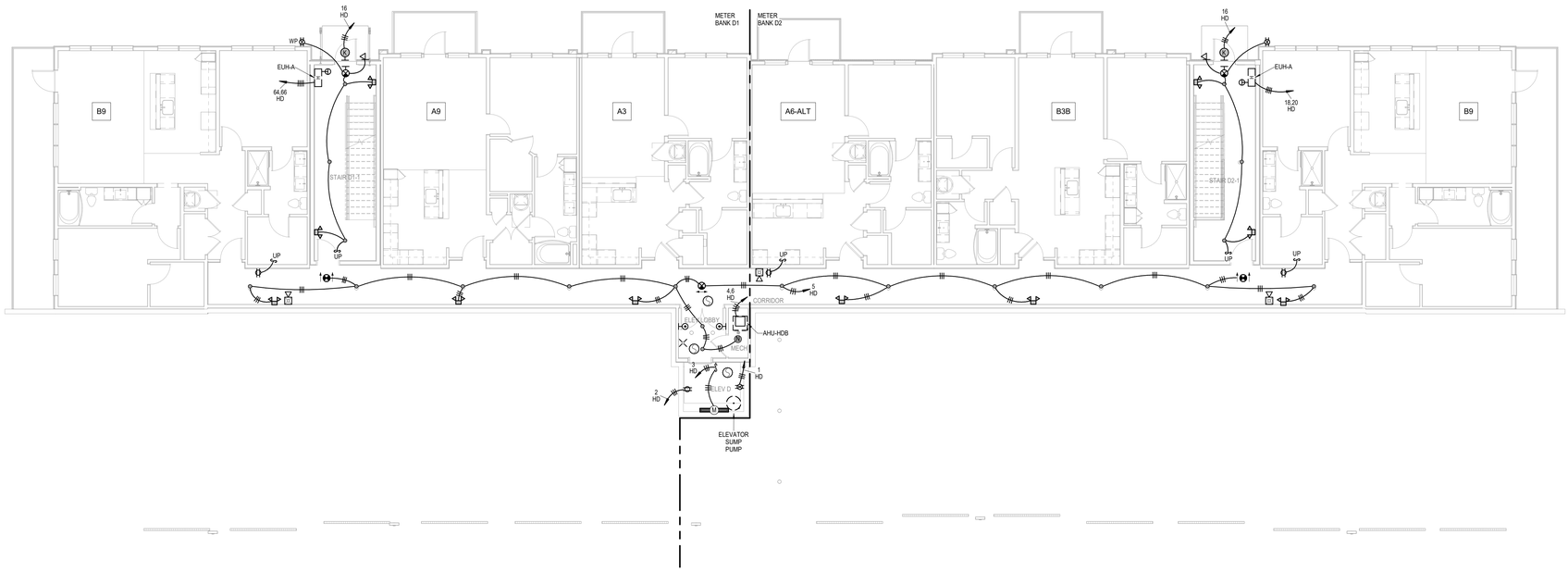
12.	GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13.	ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING D - BASEMENT FLOOR PLAN

ELECTRICAL
1/8" = 1'-0"

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Lee's Summit, Missouri
11/12/24

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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER
11-7-24

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△REVISIONS

JOB NO. 720522
DATE 09.16.2024
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PERMIT SET

SHEET NAME
BUILDING D - BASEMENT FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.40

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Topeka, Kansas 66614-3974
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Overland Park, Kansas 66210
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

10/31/2024 9:05:54 AM

ARCH E1.30" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
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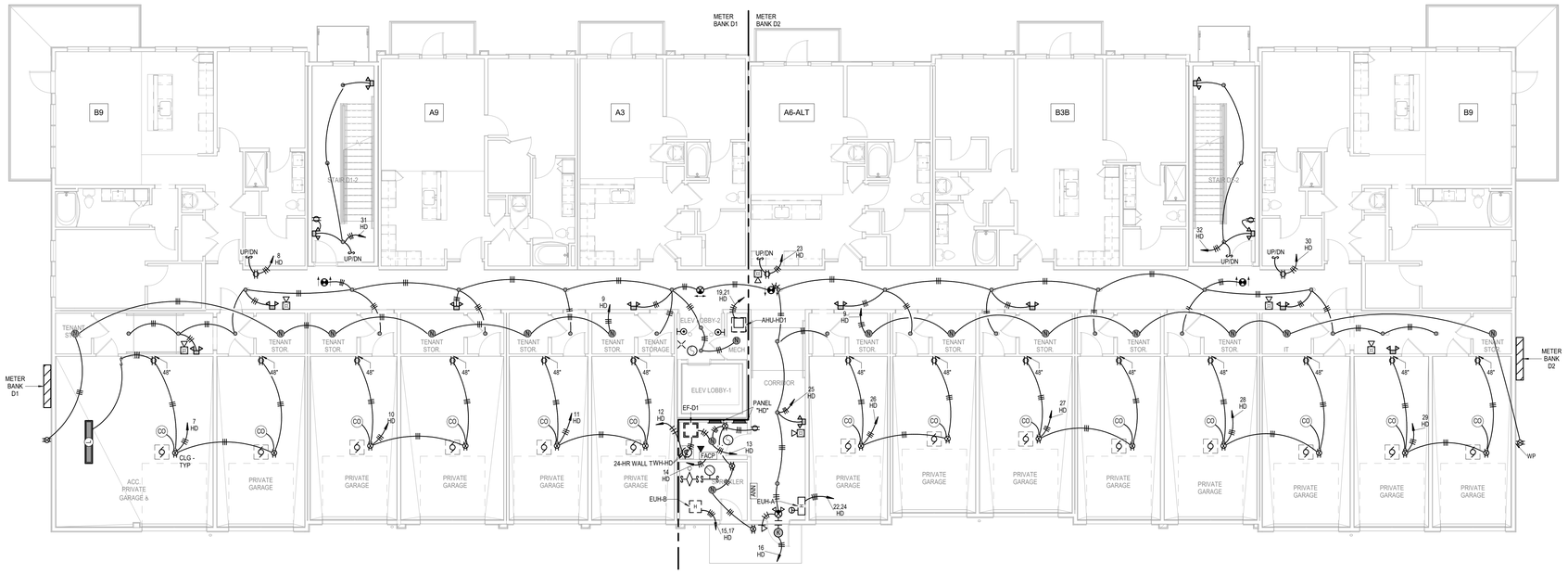

1 BUILDING D - 1ST FLOOR PLAN

ELECTRICAL

1/8" = 1'-0"

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Lee's Summit, Missouri
11/12/24

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-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009012024
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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• 09.16.24 PERMIT SET

△REVISIONS

LS&A Latimer Sommers & Associates P.A.
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3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB.NO. 720522 DATE 09.16.2024
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SHEET NAME
BUILDING D - FIRST FLOOR PLAN - ELECTRICAL
SHEET NO.
E1.41

10/31/2024 9:05:56 AM

ARCH E1.30" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
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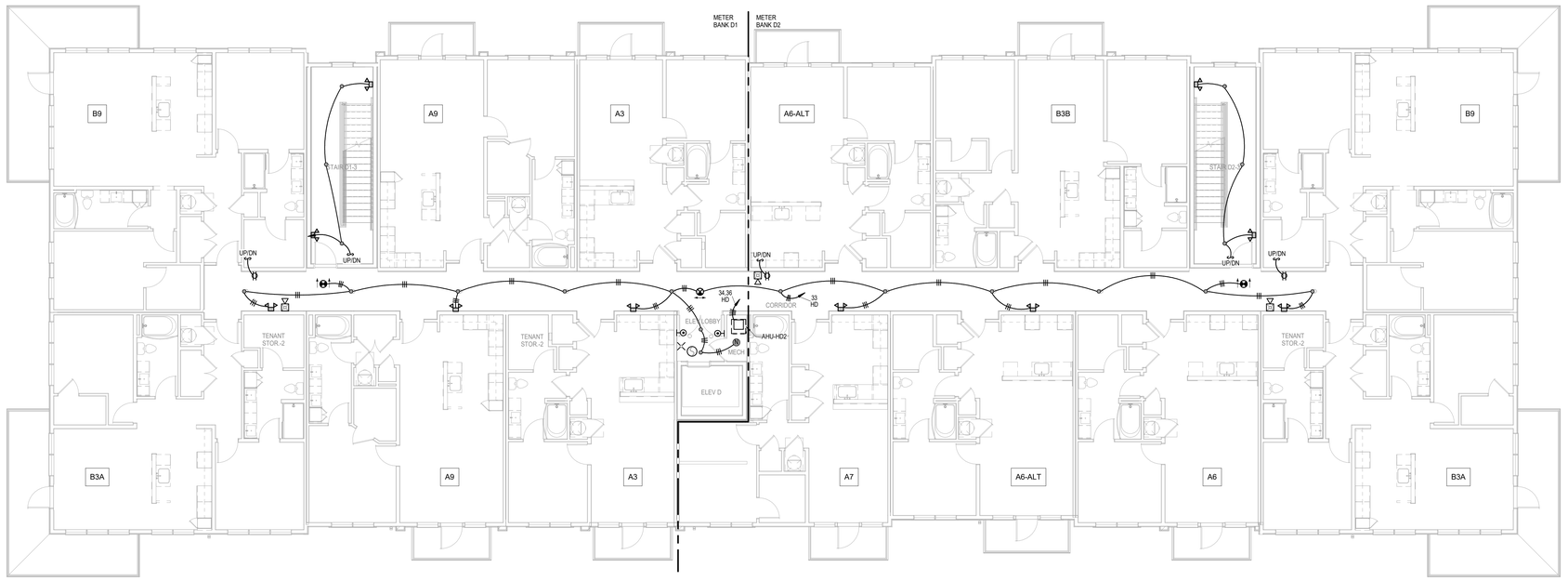
12.	GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13.	ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING D - 2ND FLOOR PLAN

ELECTRICAL

1/8" = 1'-0"

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-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

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Development Services Department
Lee's Summit, Missouri
10/29/24

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

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LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - SECOND FLOOR PLAN - ELECTRICAL
SHEET NO. E1.42

10/31/2024 9:05:57 AM

ARCH E1.30" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
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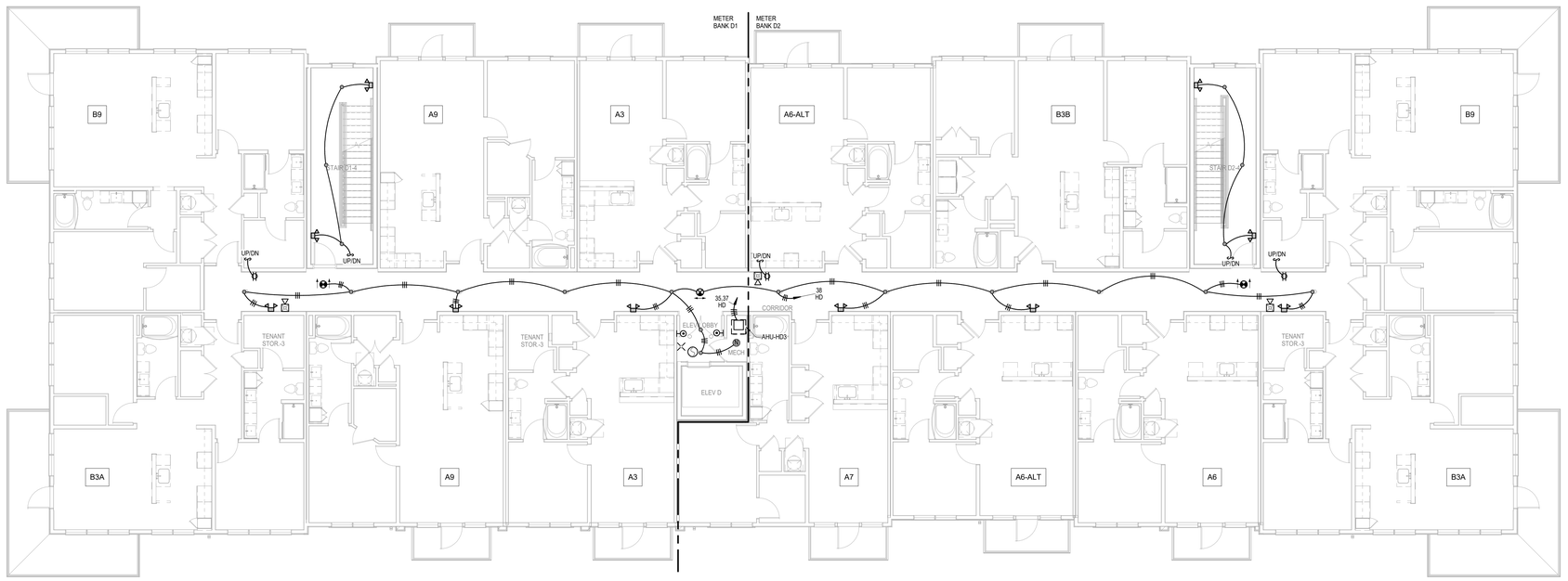
13.	ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING D - 3RD FLOOR PLAN

ELECTRICAL

1/8" = 1'-0"

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11/1/2024

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-7724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009012024
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - THIRD FLOOR PLAN - ELECTRICAL
SHEET NO. E1.43

10/31/2024 9:05:59 AM

ARCH E1.30" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
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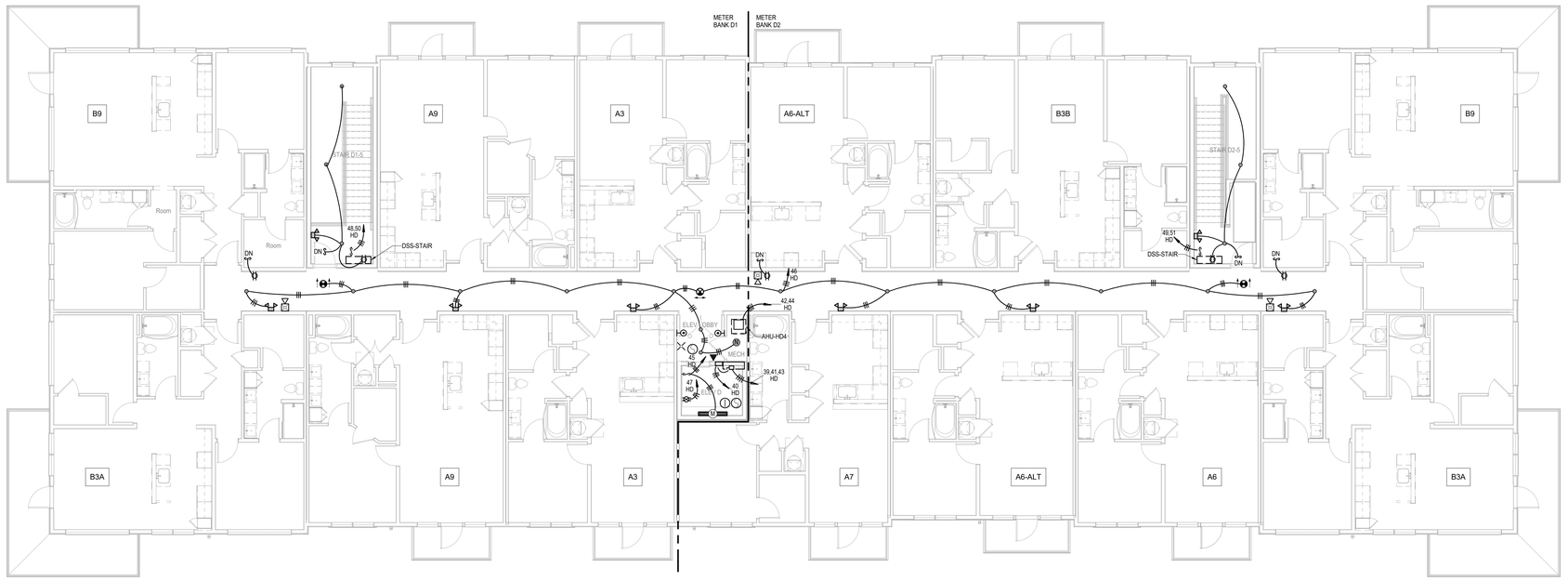

1 BUILDING D - 4TH FLOOR PLAN

ELECTRICAL

1/8" = 1'-0"

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Development Services Department
Lee's Summit, Missouri
10/31/2024

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KANSAS,66207
-1724

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△REVISIONS

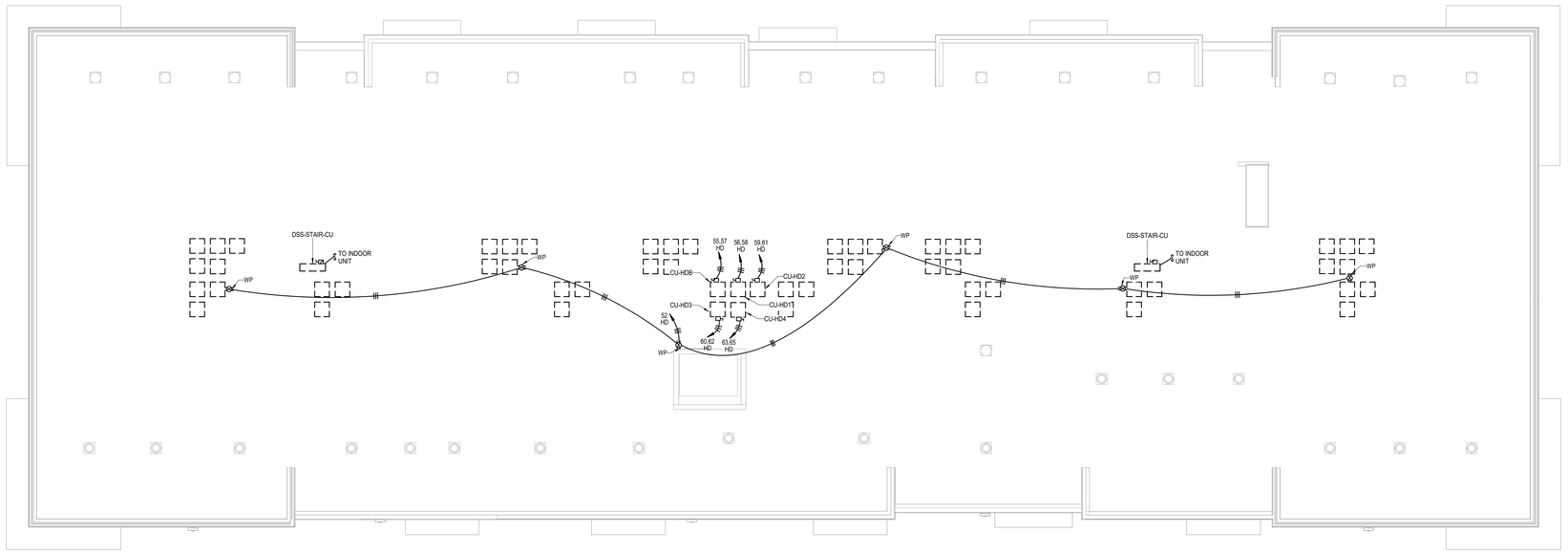
LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
9625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - FOURTH FLOOR PLAN - ELECTRICAL
SHEET NO. E1.44

10/31/2024 9:06:01 AM

ARCH E1.30" x 42"

ELECTRICAL BUILDING NOTES:	
1.	COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OR WORK PRIOR TO INSTALLATION BEGINNING.
2.	SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM. SEE HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM SYSTEM.
3.	EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4.	PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5.	FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS FOR LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6.	LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7.	PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/ EQUIPMENT SERVED.
8.	SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9.	SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10.	ALL DISC FIXTURES ARE TYPE A UNO ALL CLOSET FIXTURES ARE TYPE N UNO ALL FIXTURES ARE TYPE X1 UNO ALL FIXTURES ARE TYPE X2 UNO ALL FIXTURES ARE TYPE X3 UNO ALL FIXTURES ARE TYPE X4 UNO FIXTURES DESIGNATED AS "L##" IN CLUB AREA TO BE SPECIFIED BY INTERIOR DESIGNER
11.	SEE ARCH/ID PLANS FOR ALL POWER NEEDS AND LOCATIONS.
12.	GARAGE CO DETECTORS TO OPEN DOOR WHEN TRIPPED.
13.	ALL EXTERIOR LIGHTS ROUTE THRU PHOTOCELL



1 BUILDING D - ROOF PLAN
ELECTRICAL
1/8" = 1'-0"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
11/12/24

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-7724

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JOB.NO. 720522 DATE 09.16.2024
DRAWN BY Author
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SHEET NAME
BUILDING D - ROOF PLAN - ELECTRICAL
SHEET NO.
E1.45

10/31/2024 9:06:01 AM

ARCH E1 30" x 42"

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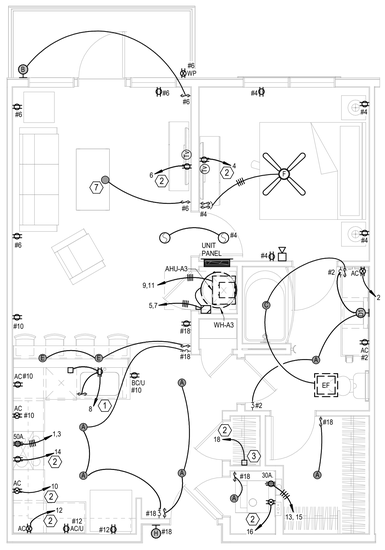
Lee's Summit, Missouri
10/31/2024



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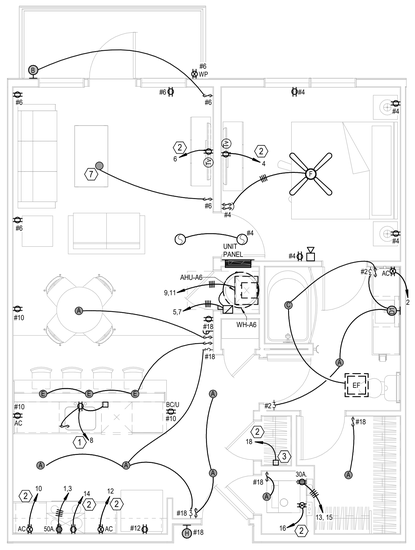
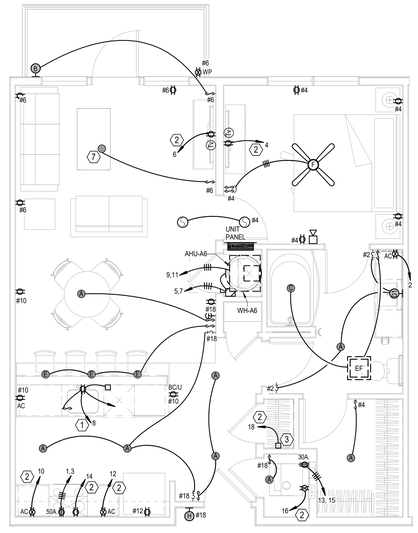
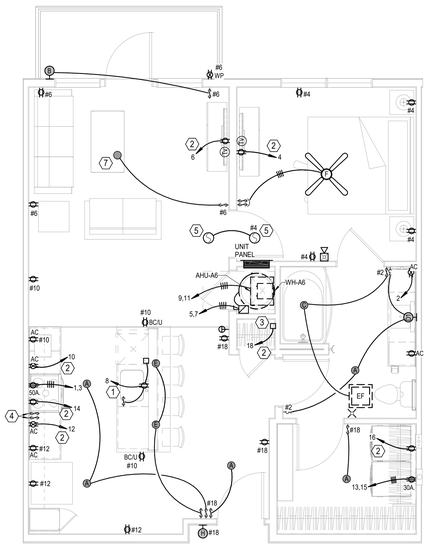
1/4" = 1'-0"



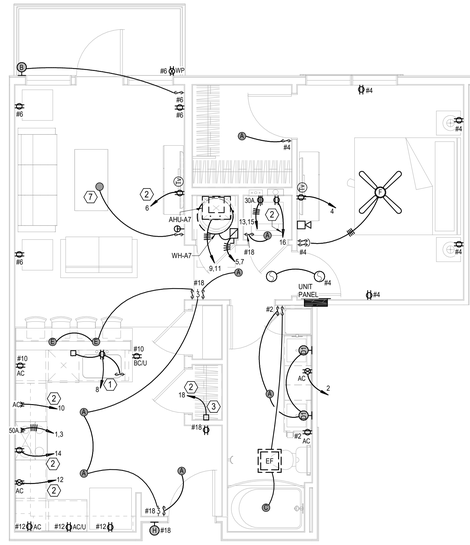
2 UNIT A6
ELECTRICAL
1/4" = 1'-0"



3 UNIT A6 ALT
ELECTRICAL
1/4" = 1'-0"



4 UNIT A6 TYPE A
ELECTRICAL
1/4" = 1'-0"



5 UNIT A7
ELECTRICAL
1/4" = 1'-0"

NOTES:

1. HALLWAY ENTRY SCONCES ARE UNSWITCHED. MOUNT AT 84"AFF. VERIFY WITH ARCHITECT.
2. CEILING FAN SWITCHES PROVIDED WITH FAN. CONTROL LIGHT AND FAN SEPARATELY. INTENDED FOR SINGLE GANG BOX.
3. GENERALLY CENTER LIGHT ON WINDOWS, DOOR, HALLWAYS, SINKS, OVER TUBS, ETC. VERIFY ALL LOCATIONS IN EACH UNIT DIMENSIONALLY WITH ARCHITECT, INTERIOR DESIGNER AND OWNER. MOUNT SWITCHES CLOSE TO DOORS OR WALL CORNERS.
4. THERMOSTATS HAVE LOW VOLTAGE WIRE BACK TO AHU. CONDENSING UNITS HAVE LOW VOLTAGE WIRE BACK TO AHU.
6. (D) = 120V. SMOKE ALARM WITH BATTERY BACK - UP AND AUXILIARY CONTACT SO ALL SOUND TOGETHER.
7. ALL ARC - FAULT CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH CEILING FANS, LED FIXTURES AND OTHER ELECTRONIC DEVICES.
8. PROVIDE PROTECTION AT ELECTRICAL BOXES AT RATED CEILING MEMBRANES PER IBC 712.4.1.2(2). BOXES TO BE LISTED FOR RATED MEMBRANES, NOT EXCEED 16 SQUARE INCHES, NOT COMBINE FOR MORE THAN 100 SQUARE INCHES IN 100 SQUARE FEET AND ANNULAR SPACE NOT EXCEED 1/8". PROVIDE 24" SEPARATION IN RATED WALLS BETWEEN BOXES UNLESS UL LISTED AS LESS.
9. FIRE ALARM HORN/STROBE CIRCUITS SHALL BE SIZED TO ACCEPT BEDROOM HORN/STROBES IN FUTURE INCLUDING WIRING AND PANEL CAPACITY.
10. ALL RANGES SERVED BY (3)#8 and (1)#10 AND 50A. RECEPTACLE.
11. ALL WATER HEATERS SERVED BY (3)#10. ALL DRYERS SERVED BY (4)#10 AND 30A. RECEPTACLE.
12. ALL WASHERS AND REFRIGERATORS HAVE RECEPTACLES AT 48". MW RECEPTACLES AT 66" (VERIFY).
13. SEE HVAC SCHEDULE AND SHOP DRAWINGS FOR AHU AND OUTDOOR UNIT CIRCUITS.
14. BELOW COUNTER RECEPTACLES AND PLATES SHALL MATCH THE BASE CABINETS WHERE THEY ARE MOUNTED (BROWN, WHITE, ETC.) VERIFY WITH ARCHITECT.

LEGEND:

1. SWITCHED RECEPTACLE FOR GARBAGE DISPOSER. CONTINUE CIRCUIT TO DISHWASHER. TO COMBINATION ARC FAULT-GFI BREAKER.
2. PROVIDE ARC-FAULT BREAKER IN PANEL.
3. TELE/TV DEMARK FLUSH BOX WITH DUPLEX OUTLET. SEE DETAIL.
4. SWITCHES FOR OVERHEAD MW FAN & LIGHT.
5. SMOKE ALARM TO HAVE STROBES.
6. RECEPTACLE FOR BEVERAGE COOLER ON TOP FLOOR UNITS ONLY.
7. FIXTURE TO BE IN FAN RATED BOX.

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KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARD PATTON
NUMBER PE-2009107558
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△REVISIONS

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME ELECTRICAL UNITS
SHEET NO. E2.01

10/31/2024 9:06:08 AM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
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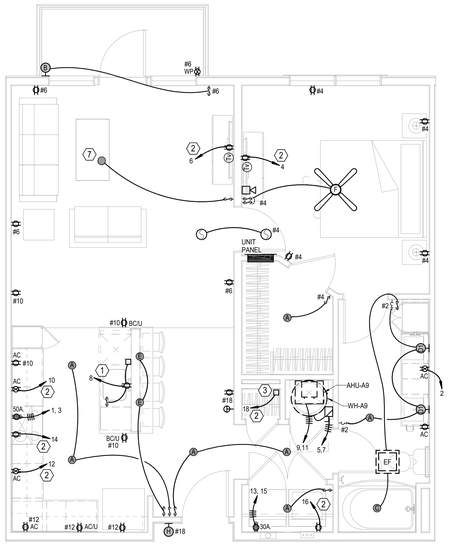
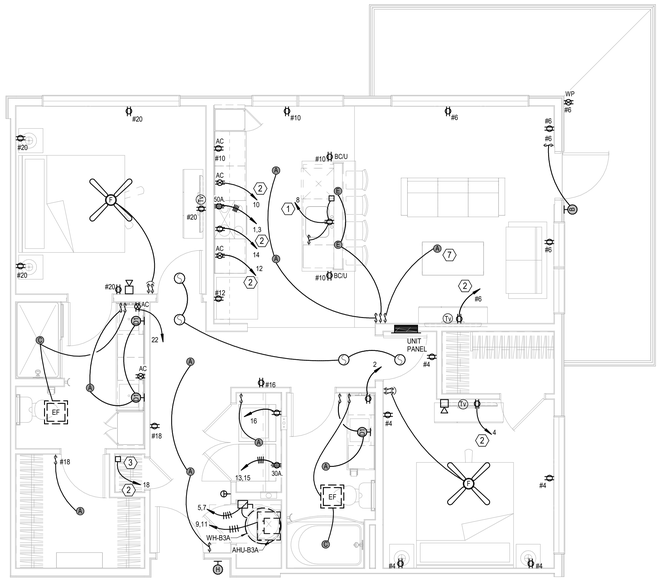
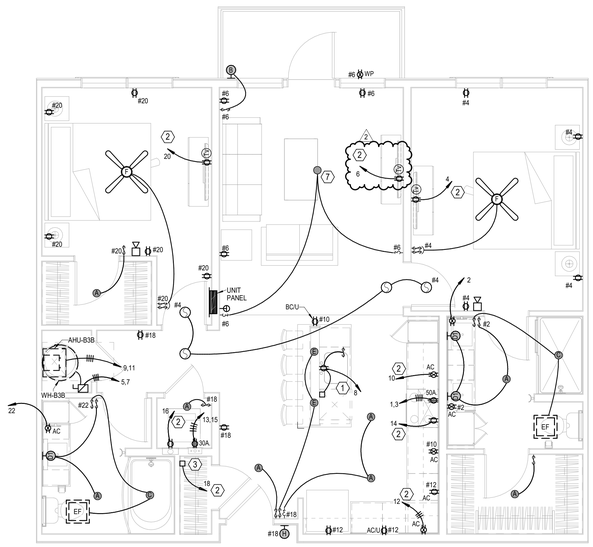
Lee's Summit, Missouri
10/31/2024



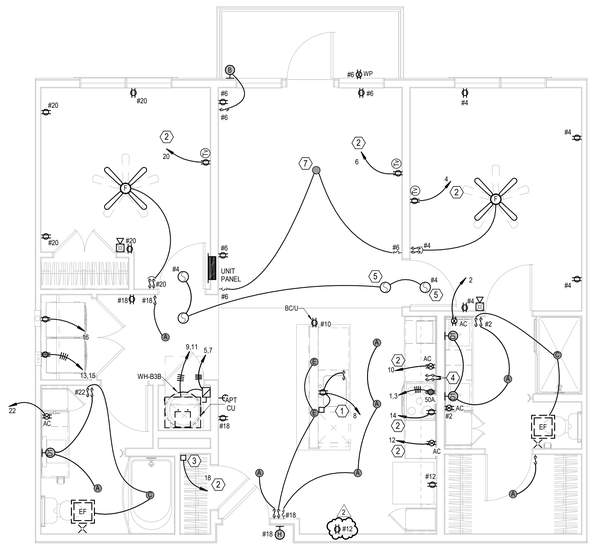
1 UNIT A9
ELECTRICAL
1/4" = 1'-0"



2 UNIT B3A
ELECTRICAL
1/4" = 1'-0"



3 UNIT B3B
ELECTRICAL
1/4" = 1'-0"



4 UNIT B3B TYPE A
ELECTRICAL
1/4" = 1'-0"

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KANSAS,66207

STATE OF MISSOURI
RICHARD BEARD
NUMBER
PE-2009107558
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△ REVISIONS
2 10.29.2024 City Comments 1

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JOB NO. 720522
DATE 09.16.2024
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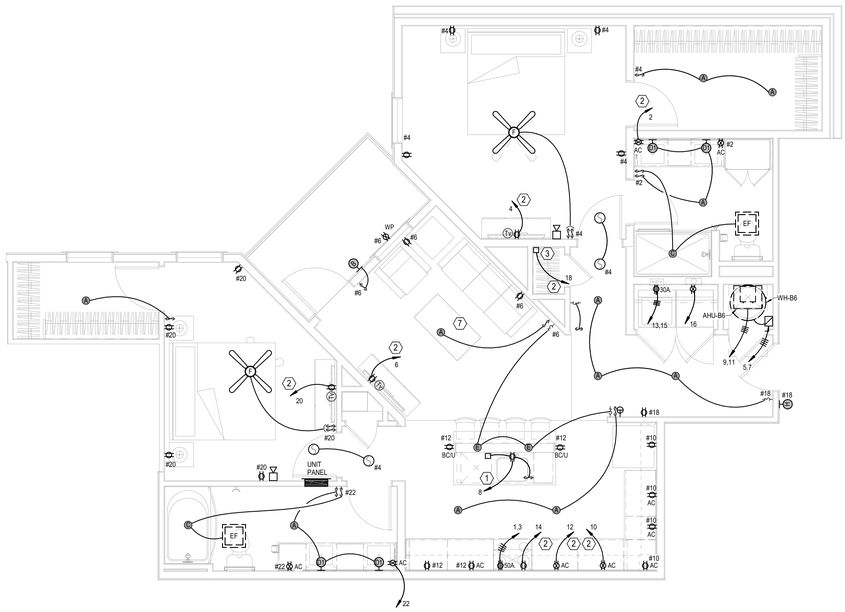
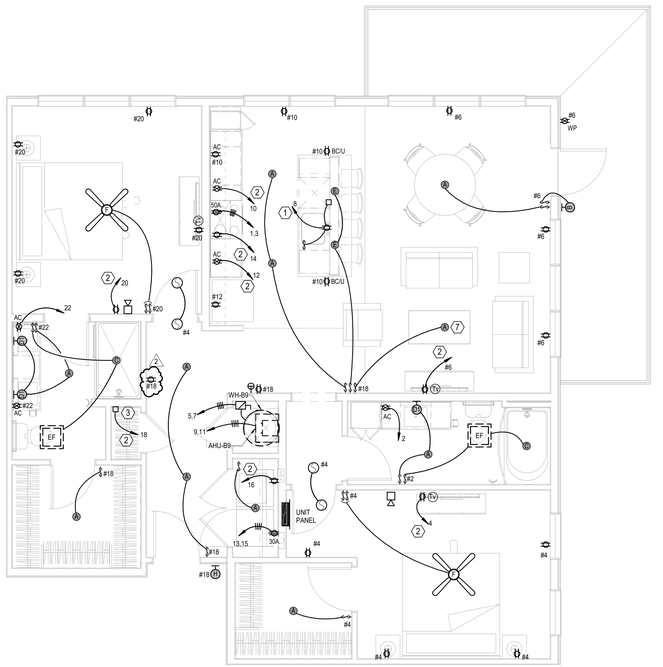
PERMIT SET
SHEET NAME ELECTRICAL UNITS
SHEET NO. E2.02

10/31/2024 9:06:12 AM

ARCH E1.30" x 42"



1 UNIT B6
ELECTRICAL
1/4" = 1'-0"



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10/31/2024 9:06:14 AM

ARCH E1 30" x 42"

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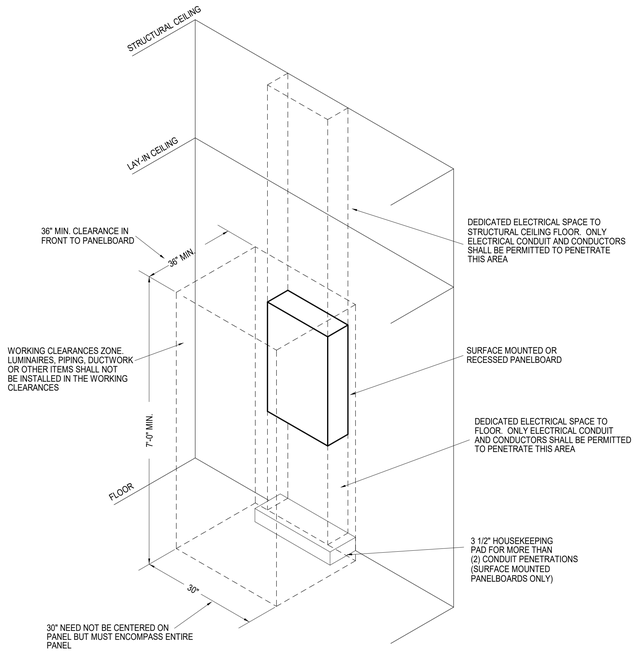
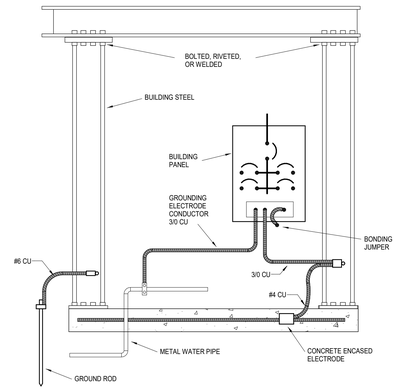
Lee's Summit, Missouri
21-0128.DA



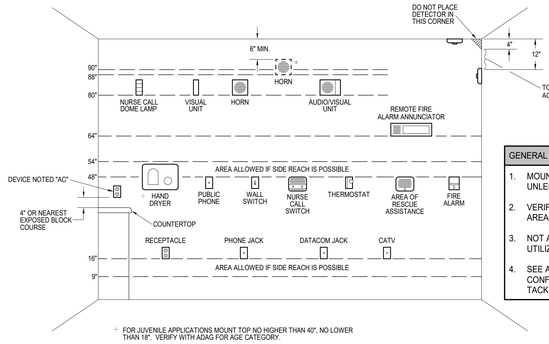
NOTE:

COORDINATE ALL WORK WITH OTHER TRADES. MAINTAIN ALL OTHER NEC CLEARANCES AND REQUIREMENTS.

1 TYPICAL PANELBOARD INSTALLATION DETAIL
NOT TO SCALE



2 GROUNDING ELECTRODE SYSTEM DETAIL
NOT TO SCALE



+ FOR JUVENILE APPLICATIONS MOUNT TOP NO HIGHER THAN 40", NO LOWER THAN 18". VERIFY WITH ADAG FOR AGE CATEGORY.

GENERAL NOTES:

1. MOUNT DEVICES AT HEIGHT INDICATED UNLESS NOTED OTHERWISE ON PLANS.
2. VERIFY MOUNTING IN SIDE REACH AREAS WITH ARCHITECT.
3. NOT ALL DEVICES SHOWN MAY BE UTILIZED ON PROJECT.
4. SEE ARCHITECTURAL DRAWINGS FOR CONFLICTS WITH CHALK BOARDS, TACK BOARDS, AND CASEWORK.

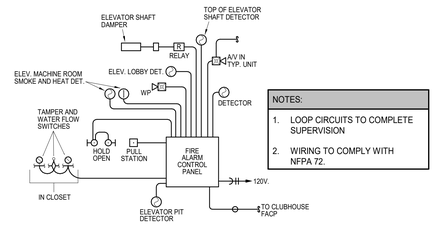
DEVICE MOUNTING NOTES:

1. VISUAL UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
2. AUDIO UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.

   * TOP OF UNIT NOT LESS THAN 90" ABOVE FLOOR AND NOT LESS THAN 6" BELOW CEILING (NFPA) (BOTTOM AT 88" WITH BLOCK COURSES). MOUNT AT NFPA HEIGHT ONLY IF REQUIRED BY LOCAL AHJ.
3. AUDIO/VISUAL UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
4. PULL STATION
   HIGHEST OPERABLE PART SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR (FRONT APPROACH).

ELECTRICAL DEVICE MOUNTING HEIGHTS SHALL CONFORM TO THE LATEST EDITION OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN.

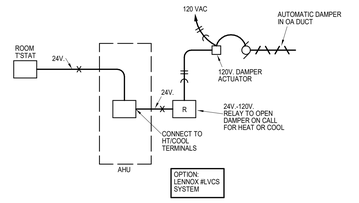
3 ELECTRICAL DEVICE MOUNTING HEIGHTS
NOT TO SCALE



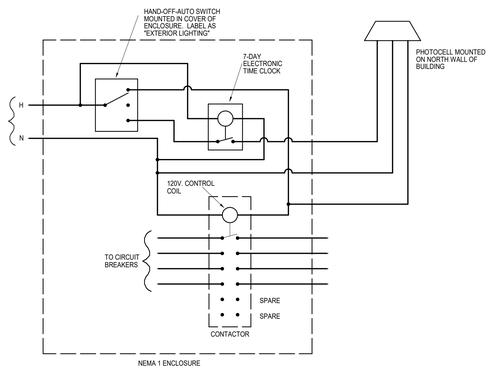
NOTES:

1. LOOP CIRCUITS TO COMPLETE SUPERVISION
2. WIRING TO COMPLY WITH NFPA 72.

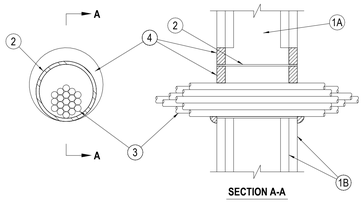
4 FIRE ALARM RISER DIAGRAM
NOT TO SCALE



5 OUTSIDE AIR DAMPER CONTROL
NOT TO SCALE



6 EXTERIOR LIGHTING CONTROLPANEL SCHEMATIC
NOT TO SCALE



7 FIRE RATED PENETRATION DETAIL
NO SCALE — SYSTEM WL-3065

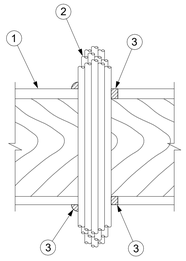
NOTES AND LEGENDS:

1. 1. Wall Assembly — The 1 or 2 fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A–Studs Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Nom 5/8 in. (16 mm) thick gypsum board, with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 5-1/2 in. (138 mm) when sleeve (Item 2) is employed. Max diam of opening is 4 in. (102 mm) when sleeve (Item 2) is not employed. The F Rating of the firestop system is equal to the fire rating of the wall assembly.

   Metallic Sleeve — (Optional) - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or Schedule 5 (or heavier) steel pipe or min 0.016 in. thick (0.41 mm, NZs. 28 ga) galv steel sleeve installed flush with wall surfaces. The annular space between steel sleeve and periphery of opening shall be min 0 in. (0 mm, point contact) to max 1 in. (25mm). When Schedule 5 steel pipe or EMT is used, sleeve may extend up to 18 in. (457 mm) beyond the wall surfaces.
2. Cables — Aggregate cross-sectional area of cable in opening to be max 45 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (0 mm, point contact) to max 1 in. (25 mm) Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of copper conductor cables may be used:
3. A. Max 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   B. Max 25 pair No. 24 AWG telephone cable with PVC insulation and jacket.
   C. Type RG/U coaxial cable with polyethylene (PE) insulation and PVC jacket having a max outside diameter of ½ in. (13 mm).
   D. Multiple fiber optical communication cable jacketed with PVC and having a max OD of 5/8 in. (16 mm).
   E. Through Penetrating Products* – Max three copper conductor No. 8 AWG . Metal-Clad Cable+.

   AFC CABLE SYSTEMS INC
   F. Max 3/C (with ground)(or smaller) No. 8 AWG copper conductor cable with PVC insulation and jacketing.
   G. Max 3/4 in. (19 mm) diam copper ground cable with or without a PVC jacket.
   H. Fire Resistive Cables* - Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable. Through Penetrating Product* - Any cables, Metal-Clad Cable+ or Armored Cable+ currently Classified under the Through Penetrating Products category. See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.

   Fill, Void or Cavity Material* – Sealant or Putty — Fill material applied within the annulus, flush with each end of the steel sleeve or wall surface. Fill material installed symmetrically on both sides of the wall. A min 5/8 in. (16 mm) thickness of sealant is required for the 1 or 2 hr F Rating . An additional 1/2 in. (13 mm) diam bead of fill material shall be applied around the perimeter of sleeve on both sides of the wall when sleeve extends beyond surface of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S, CP606, FS-One Sealants or CP618 Putty
   *Bearing the UL Classification Mark
4. +Bearing the UL Listing Mark



8 FIRE RATED PENETRATION DETAIL
NO SCALE — SYSTEM FC-3074

NOTES AND LEGENDS:

1. 1. Floor-Ceiling Assembly - The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction features of the floor-ceiling assembly are summarized below:
   A. Flooring System - Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 3 in.
   B. Wood Joists* - Nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firestopped.
   C. Gypsum Board* - Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design. Gypsum board secured to wood joists or furring channels as specified in the individual Floor-Ceiling Design.

   Chase Wall - (Optional, Not Shown) - The through penetrants (Item 2) may be routed through a 1 hr fire rated single, double or staggered wood stud/gypsum board chase wall. Depth of chase wall stud cavity to be min 1/2 in. greater than diameter of opening cut in sole and top plates to accommodate the through penetrant (Item 2). The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction
1A. features:
   A. Studs - Nom 2 by 4 in., 2 by 6 in. or double nom 2 by 4 in. lumber studs.
   B. Sole Plate - Nom 2 by 4 in., 2 by 6 in. or parallel 2 by 4 in. lumber plates, tightly butted. Max diam of opening is 3 in.
   C. Top Plate - The double top plate shall consist of two nom 2 by 4 in., two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted. Max diam of opening is 3 in.
   D. Gypsum Board* - Thickness, type, number of layers and fasteners shall be as specified in the individual Wall and Partition Design.

   Cables - Aggregate cross-sectional area of cable in opening to be max 50 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (point contact) to max 1 in. Cables to be rigidly supported on both sides of the floor-ceiling assembly. Any combination of the following types and sizes of copper conductor cables may be used:
   A. Max 150 pair No. 24 AWG telephone cable with PVC insulation and jacket.
2. B. Max 2/C No. 10 with ground Type NM nonmetallic sheathed (Romex) cable with PVC insulation and jacket.
   C. Max 3/C with ground 2/0 AWG aluminum SER cable with PVC insulation and jacket.
   D. Max 3/C No. 10 AWG copper conductor steel clad cable.
   E. Max 24 fiber optic cable.
   F. RG 59U coaxial cable.
   G. CAT 5 data cable.

   Fill, Void or Cavity Materials*-Sealant - Min 3/4 in. thickness of sealant applied within the annulus flush with the top surface of the floor or sole plate and min 5/8 in. thickness of sealant applied within the annulus flush with the bottom surface of gypsum board or lower top plate. A min 1/2 in. diameter bead of sealant applied at the cable bundle/subflooring or sole plate interface and the cable bundle/gypsum board or top plate interface at point contact locations.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC - CP 606 Flexible Firestop Sealant
3. *Bearing the UL Classification Mark

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9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207

STATE OF MISSOURI — RICHARD BEARDEN — NUMBER PE-2009019526A — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△REVISIONS

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
6629 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME ELECTRICAL DETAILS
SHEET NO. E3.01

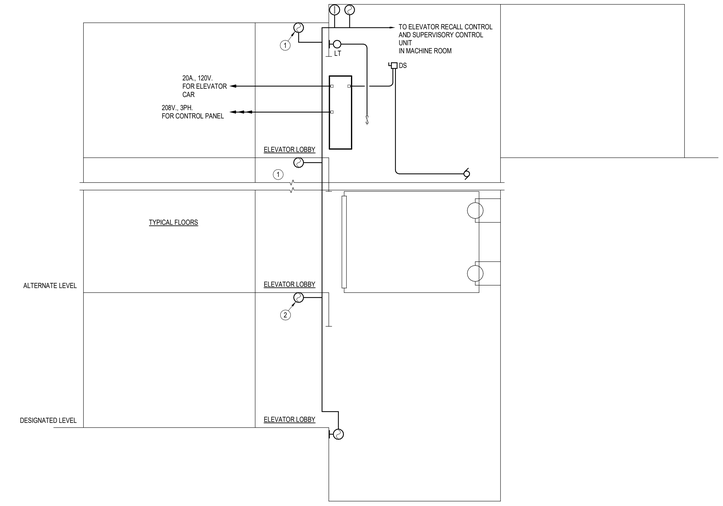
10/31/2024 9:06:15 AM

ARCH E1.30" x 42"

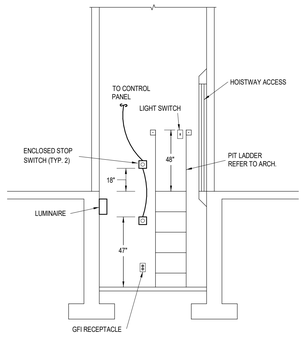
DETECTOR OPERATION:
1 RECALL TO DESIGNATED LEVEL.
2 RECALL TO ALTERNATE LEVEL.

SYSTEM SEQUENCE:
UPON DETECTION OF SMOKE IN ELEVATOR LOBBIES, MACHINE ROOM, TOP OF HOISTWAY OR BOTTOM OF HOISTWAY, ELEVATOR RECALL CONTROLS SHALL BE ACTIVATED.

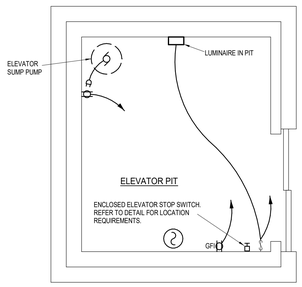
SYMBOLS LEGEND:	
(H)	HEAT DETECTOR
(S)	SMOKE DETECTOR
	SPRINKLER



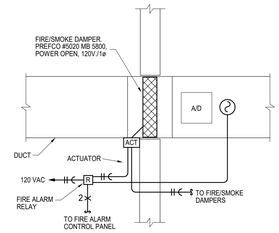
1 ELECTRICAL ELEVATOR FIRE PROTECTION SYSTEM OPERATION DETAIL
NOT TO SCALE



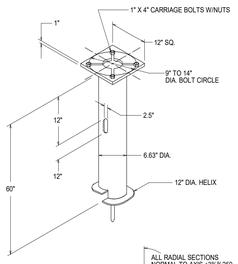
2 ELEVATOR PIT DETAIL
NOT TO SCALE

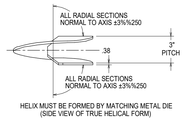


3 ELEVATOR PIT ELECTRICAL DETAIL
NOT TO SCALE



4 FIRE/SMOKE DAMPER DETAIL-ELEC
NOT TO SCALE





-NOTES-

1. FINISH: HOT DIP GALVANIZE PER ASTM A153 (LATEST REVISION).
2. BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (±1%%250) AND HOLE CENTERLINE CONCENTRIC (± 1/8") TO SHAFT AXIS.
3. STENCIL MIN. 1/2 IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (± .125 FIM) AND PARALLEL (±0.50").
5. FLAME CUT PERPENDICULAR TO THIS BASEPLATE.
6. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
7. FLAME-CUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED X/32 IN. BELOW NOMINAL SURFACE LEVEL. (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
8. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
9. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

   BASEPLATE: ASTM A36-(LATEST REVISION) HOT ROLLED STEEL PLATE, (CONFORM TO AASHTO TECH. BUL. #270)

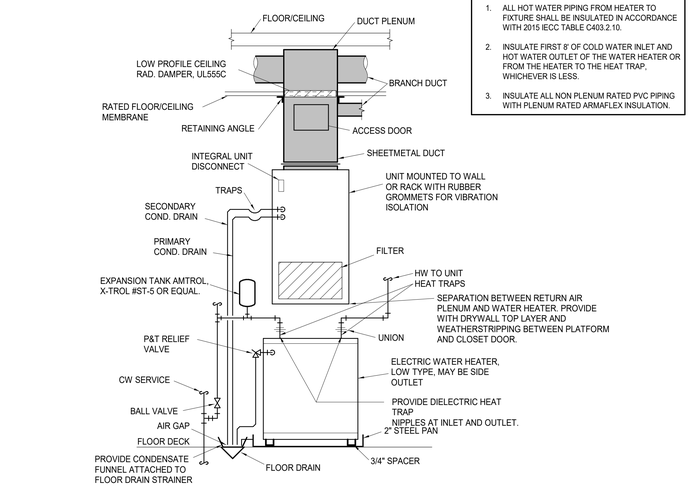
   SHAFT: STEEL PIPE PILES, SEAMLESS OR STRAIGHT-WELDED, GRADE-2 PER ASTM A252. ALT. MATERIAL: STEEL PIPE TYPE E OR S, GRADE-B PER ASTM A53.

   HELIX: ASTM A635 (LATEST REVISION) HOT ROLLED STEEL.

   PILOT POINT: ASTM A575 (LATEST REVISION) STEEL BAR.

   BOLTS: CARR BOLT PER ANSI B-18.2.1,SAE J429 GRADE-5.

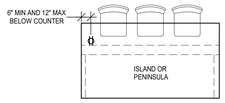
10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION "ABC" IN 1/2" LETTERS AND DATE CODE IN 1/4" LETTERS.



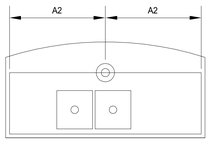
INSULATION NOTES:

1. ALL HOT WATER PIPING FROM HEATER TO FIXTURE SHALL BE INSULATED IN ACCORDANCE WITH 2015 IECC TABLE C403.2.10.
2. INSULATE FIRST 8' OF COLD WATER INLET AND HOT WATER OUTLET OF THE WATER HEATER OR FROM THE HEATER TO THE HEAT TRAP, WHICHEVER IS LESS.
3. INSULATE ALL NON PLENUM RATED PVC PIPING WITH PLENUM RATED ARMAFLEX INSULATION.

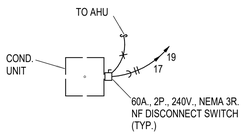
5 MECHANICAL CLOSET DETAIL - ELEC
NOT TO SCALE



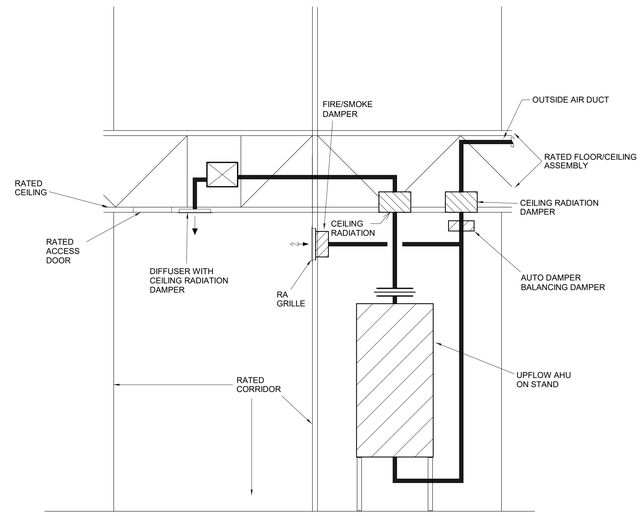
6 ISLAND RECEPTACLE DETAIL
NOT TO SCALE



7 KITCHEN ISLAND LIGHTING DETAIL
NOT TO SCALE



8 TYPICAL COND. UNIT DETAIL
NOT TO SCALE



10 CORRIDOR AHU DETAIL - WALL RETURN (E)
NOT TO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/2024

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STATE OF MISSOURI — RICHARD BEARDEN — NUMBER PE-2009010104 — PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△REVISIONS

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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME ELECTRICAL DETAILS
SHEET NO. E3.02

10/31/2024 9:06:16 AM

ARCH E1.30" x 42"

Panel: HA

Location:
Supply From: METER BANK - A
Mounting: RECESSED
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MB
Mains Rating: 400 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Receptacle Space 458	20 A	12	720	835					12	20 A	Receptacle ACC...	2
3	Lighting	20 A	12			372	40			12	20 A	Lighting ELEV A 688	4
5	Other JANITOR 365	20 A	12					1200	549	12	20 A	Lighting	6
7	Lighting	20 A	12	0	1500					12	20 A	EUH-A	8
9	Receptacle Space 458	20 A	12			720	1500						10
11	Lighting	20 A	12					249	3224	8	40 A	AHU-HA1	12
13	EUH-A	20 A	12	1500	3224								14
15						1500	2800			8	35 A	EUH-B	16
17	FACP (HLO)	20 A	12					500	2800				18
19	Lighting	20 A	12	863	180					12	20 A	Receptacle ELEV LOBBY-1...	20
21	Receptacle ELEV LOBBY-1...	20 A	12			180	720			12	20 A	Receptacle PRIVATE...	22
23	Receptacle PRIVATE...	20 A	12					720	720	12	20 A	Receptacle PRIVATE...	24
25	Lighting	20 A	12	261	400					12	20 A	Receptacle TENANT...	26
27	Receptacle TENANT...	20 A	12			400	720			12	20 A	Receptacle Space 458	28
29	Lighting	20 A	12					549	1500	12	20 A	EUH-A	30
31	Lighting	20 A	12	147	1500								32
33	AHU-HA2	40 A	8			3224	147			12	20 A	Lighting	34
35								3224	3224	8	40 A	AHU-HA3	36
37	Lighting	20 A	12	147	3224								38
39	DSS-STAIR	25 A	10			1613	3224			8	40 A	AHU-HA4	40
41								1613	3224				42
43	Receptacle ELEV A 692	20 A	12	180	40					12	20 A	Other ELEV A 695	44
45	ELEVATOR (SHUNT TRIP) VERIFY	90 A	3			4900	500			12	20 A	Other	46
47								4900	1613	10	25 A	DSS-STAIR	48
49				4900	1613								50
51	Receptacle Space 2254	20 A	12			720	720			12	20 A	Receptacle PRIVATE...	52
53	Receptacle	20 A	12					400					54
		Total Load:		26609 VA		29344 VA		33851 VA					
		Total Amps:		222 A		248 A		286 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	46962 VA	100.00%	46962 VA		
Lighting	1900 VA	125.00%	2375 VA	**Total Conn. Load:**	89304 VA
Other	1700 VA	100.00%	1700 VA	**Total Est. Demand:**	82340 VA
Power	6600 VA	100.00%	6600 VA	**Total Conn.:**	248 A
Receptacle	10020 VA	99.90%	10010 VA	**Total Est. Demand:**	229 A
Motor	14700 VA	100.00%	14700 VA		
HVAC Load	0 VA	0.00%	0 VA		
HVAC - CU - NON CONGRUENT	7488 VA	1.00%	75 VA		

Notes:

Panel: HA

Location:
Supply From: METER BANK - A
Mounting:
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MB
Mains Rating: 400 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
55	CU-HA3	15 A	12	936	936					12	15 A	CU-HA4	56
57						936	936						58
59	CU-HA1	15 A	12					936	936	12	15 A	CU-HA2	60
61				936	936								62
63	Spare	20 A	--			0	200			10	20 A	SITE LIGHTING (BLDG 1...	64
65	Spare	20 A	--					0	30	10	20 A	MONUMENT SIGN'	66
67	Spare	20 A	--	0	0					20 A		120/208V-1PH - GARAGE PANEL, 120 V/208 V, Single...	68
69	Spare	20 A	--			0	0						70
71	Spare	20 A	--					0	0	20 A		120/208V-1PH - GARAGE PANEL, 120 V/208 V, Single...	72
73	Spare	20 A	--	0	0								74
75	Spare	20 A	--			0	1650			20 A	Power		76
77	Spare	20 A	--					0	1650				78
79	Spare	20 A	--	0	1650								80
81	Spare	20 A	--			0	1650						82
83	Spare	20 A	--					0	100	20 A	Lighting		84
85	Spare	20 A	--	0									86
87	Spare	20 A	--			0							88
89	Spare	20 A	--					0					90
91	Spare	20 A	--	0									92
93	Spare	20 A	--			0							94
95	Spare	20 A	--					0					96
		Total Load:		5394 VA		5372 VA		3651 VA					
		Total Amps:		47 A		47 A		30 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Lighting	329 VA	125.00%	411 VA		
Power	6600 VA	100.00%	6600 VA	**Total Conn. Load:**	14417 VA
HVAC - CU - NON CONGRUENT	7488 VA	1.00%	75 VA	**Total Est. Demand:**	7086 VA
				Total Conn.:	40 A
				Total Est. Demand:	20 A

Notes:

10/31/2024 9:06:17 AM

Unit Load Calculation - Complete Analysis

Unit Type	General: Area Calculation Sq. Ft.	Load per Sq Ft	Total Per Sq Ft.	General Load: 2 Small Appliance Circuits	Dishwasher	Disposer	Dryer	Microwave	Range	Oven	Combined Oven Range	Washer	Water Heater	Total General Load	NEC 220-84 Calculation: Heater Calculation Heater	NEC Diversification	Heater Load	General Load Calculation First 10KVA at 100%	Remainder at 40%	Total Load	Voltage	Load for Unit Service (AMPS)	Total Connected Load	Breaker Size
A3	670	3 VA	2010 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25000 VA	5600 VA	65.00%	3640 VA	10000 VA	6000 VA	19640 VA	208 V	94.42	30600 VA	100
A6	730	3 VA	2190 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25180 VA	5600 VA	65.00%	3640 VA	10000 VA	6072 VA	19712 VA	208 V	94.77	30780 VA	100
A6-A	730	3 VA	2190 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25180 VA	5600 VA	65.00%	3640 VA	10000 VA	6072 VA	19712 VA	208 V	94.77	30780 VA	100
A6-ALT	703	3 VA	2109 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25099 VA	5600 VA	65.00%	3640 VA	10000 VA	6040 VA	19680 VA	208 V	94.61	30699 VA	100
A7	696	3 VA	2088 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25078 VA	5600 VA	65.00%	3640 VA	10000 VA	6031 VA	19671 VA	208 V	94.57	30678 VA	100
A9	787	3 VA	2361 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25351 VA	5600 VA	65.00%	3640 VA	10000 VA	6140 VA	19780 VA	208 V	95.10	30951 VA	100
B3A	1055	3 VA	3165 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26155 VA	5600 VA	65.00%	3640 VA	10000 VA	6462 VA	20102 VA	208 V	96.64	31755 VA	100
B3B	1020	3 VA	3060 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26050 VA	5600 VA	65.00%	3640 VA	10000 VA	6420 VA	20060 VA	208 V	96.44	31650 VA	100
B6	1116	3 VA	3348 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26338 VA	5600 VA	65.00%	3640 VA	10000 VA	6535 VA	20175 VA	208 V	97.00	31938 VA	100
B9	1172	3 VA	3516 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26506 VA	7500 VA	65.00%	4875 VA	10000 VA	6602 VA	21477 VA	208 V	103.26	34006 VA	110

APARTMENT PANEL FEEDER - TYPE SER ALUMINUM	
100A.: 2 - 2 - 2 - 6 UP TO 120 FT. 1 - 1 - 1 - 4 UP TO 150 FT. 0 - 0 - 0 - 4 UP TO 185 FT. 2/0 - 2/0 - 2/0 - 3 UP TP 235 FT.	110A.: 1 - 1 - 1 - 4 UP TO 135 FT. 0 - 0 - 0 - 4 UP TP 170 FT. 2/0 - 2/0 - 2/0 - 3 UP TO 215 FT.

NOTE:
- UNDERGROUND CONDUIT MATERIAL = SCH. 40 PVC.
- CONDUCTOR INSULATION = THHN/THWN.

PERMANENT PLACARDS SHALL BE POSTED AT EACH EXTERIOR SERVICE ENTRANCE AND METER BANK TO DISPLAY AREA SERVED.

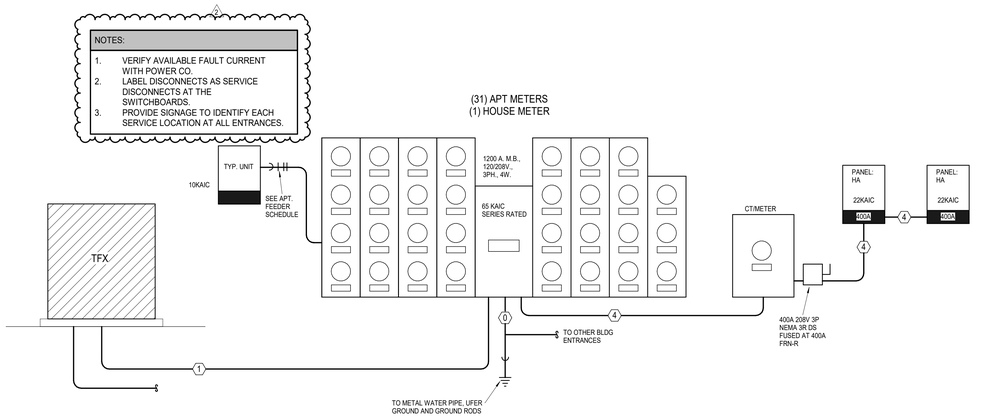
SEE UNIT LOAD CALCS FOR APT PANEL BREAKER, 100A/2P, 110A/2P.

MULTI-FAMILY BUILDING LOAD ANALYSIS BUILDING A

Panel	Total Units	Total Connected Load	Total KVA	NEC Building Diversity	Diversified KVA	Amps @ 208V/3PH	House Load	Total Demand - Amps
Unit Type (Connected Load)	Unit Quantity	Sum of Units						
METER BANK A	31	979.950 VA	980	31%	304	844	225	1069
A3-(30,600 VA)	6	183600 VA						
A6-(30,780 VA)	7	215460 VA						
A6-A-(30,780 VA)	1	30780 VA						
A7-(30,678 VA)	3	92034 VA						
B3A-(31,755 VA)	8	254040 VA						
B9-(34,006 VA)	6	204036 VA						

FEEDER SCHEDULE - ALUMINUM AA8000

MARK	OCP	SETS	COND.	SIZE	SIZE GRD	CONDUIT
0		1	1		3/0 CU	
1	1200 A	4	4	500 KCMIL		3
2	1000 A	3	4	600 KCMIL		4
3	800 A	3	4	400 KCMIL		3
4	400 A	2	4	#4/0	#1	2



1 METER BANK A
NOT TO SCALE

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
11/12/24

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
ARCHITECTURE
P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARDEN
NUMBER
PE-2009019588
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS
2 10.29.2024 City Comments 1

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME ELECTRICAL DETAILS
SHEET NO. E3.03

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
9625 College Boulevard, Suite 102
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Telephone: (785) 233-3232
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LSA PROJECT NO. 2404027

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/29/24

nspj ARCHITECTS
ARCHITECTURE
LANDSCAPE
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P.913.831.1415
NSPJARCH.COM
9415 NALL AVE., #300
PRAIRIE VILLAGE,
KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARD
NUMBER
PE-2009010588
PROFESSIONAL ENGINEER
10/29/2024

Panel: HB

Location:
Supply From: METER BANK - B2
Mounting:
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MB
Mains Rating: 400 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Lighting	20 A	12	370	720					12	20 A	Receptacle CORRIDOR 696	2
3	Receptacle ACC...	20 A	12			720	1500			12	20 A	EUH-A	4
5	Receptacle PRIVATE...	20 A	12					720	1500				6
7	Lighting	20 A	12	0	720					12	20 A	Receptacle PRIVATE...	8
9	Lighting	20 A	12			261	402			12	20 A	Lighting	10
11	Receptacle CORRIDOR 696	20 A	12					720	500	12	20 A	FACP (HLO)	12
13	EUH-A	20 A	12	1500	2800					8	35 A	EUH-B	14
15						1500	2800						16
17	Lighting	20 A	12					563	180	12	20 A	Receptacle ELEV B-1 453-1	18
19	Receptacle ELEV B-1 453-1	20 A	12	180	4160					6	50 A	AHU-HB1	20
21	Receptacle PRIVATE...	20 A	12			360	4160						22
23	Receptacle CORRIDOR 696	20 A	12					720	308	12	20 A	Lighting	24
25	Receptacle TENANT...	20 A	12	400	400					12	20 A	Receptacle TENANT...	26
27	Receptacle CORRIDOR 714	20 A	12			720	360			12	20 A	Receptacle PRIVATE...	28
29	Receptacle PRIVATE...	20 A	12					720	720	12	20 A	Receptacle PRIVATE...	30
31	Receptacle PRIVATE...	20 A	12	720	720					12	20 A	Receptacle CORRIDOR 714	32
33	Lighting	20 A	12			549	1500			12	20 A	EUH-A	34
35	AHU-HB3	40 A	8					3224	1500				36
37				3224	60					12	20 A	Lighting	38
39	Lighting	20 A	12			222	120			12	20 A	Lighting	40
41	AHU-HB4	40 A	8					3224	222	12	20 A	Lighting	42
43				3224	400					12	20 A	Receptacle	44
45	Receptacle	20 A	12			400	60			12	20 A	Lighting	46
47	Lighting	20 A	12					120	4900	4	90 A	ELEVATOR MOTOR (SHUNT TRIP) VERIFY	48
49	Lighting	20 A	12	222	4900								50
51	DSS-STAIR	25 A	10			1613	4900						52
53								1613	500	12	20 A	Other	54
		Total Load:		32610 VA		30098 VA		26125 VA					
		Total Amps:		277 A		256 A		218 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	48714 VA	100.00%	48714 VA		
Lighting	2565 VA	125.00%	3206 VA	**Total Conn. Load:**	88333 VA
Other	500 VA	100.00%	500 VA	**Total Est. Demand:**	79000 VA
Power	0 VA	0.00%	0 VA	**Total Conn.:**	245 A
Receptacle	13840 VA	86.13%	11920 VA	**Total Est. Demand:**	219 A
Motor	14700 VA	100.00%	14700 VA		
HVAC Load	0 VA	0.00%	0 VA		
HVAC - CU - NON CONGRUENT	8112 VA	1.00%	81 VA		

Notes:

Panel: HB

Location:
Supply From: METER BANK - B2
Mounting: RECESSED
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MB
Mains Rating: 400 A
MCB Rating:

Notes:

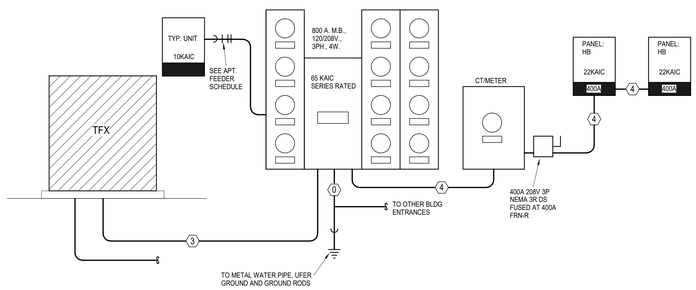
CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
55	AHU-HB5	40 A	8	3224	180					12	20 A	Receptacle ELEV B 708	56
57						3224	40			12	20 A	Lighting ELEV B 711	58
59	Lighting	20 A	12					60	120	12	20 A	Lighting	60
61	DSS-STAIR	25 A	10	1613	720					12	20 A	Receptacle Space 2372	62
63						1613	1248						64
65	CU-HB2	15 A	10					936	1248	10	25 A	CU-HB1	66
67				936	936								68
69	CU-HB4	15 A	10			936	936			10	15 A	CU-HB3	70
71								936	900	12	20 A	Receptacle Space 2379	72
73	Spare	20 A	--	0	300					10	20 A	SITE LIGHTING	74
75	Spare	20 A	--			0							76
77	Spare	20 A	--					0					78
79	Spare	20 A	--	0									80
81	Spare	20 A	--			0							82
83	Spare	20 A	--					0					84
85	Spare	20 A	--	0									86
87	Spare	20 A	--			0							88
89	Spare	20 A	--					0					90
91	Spare	20 A	--	0									92
93	Spare	20 A	--			0							94
95	Spare	20 A	--					0					96
		Total Load:		7909 VA		7995 VA		4191 VA					
		Total Amps:		71 A		71 A		35 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	9673 VA	100.00%	9673 VA		
Lighting	514 VA	125.00%	642 VA	**Total Conn. Load:**	20094 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	12191 VA
Power	0 VA	0.00%	0 VA	**Total Conn.:**	56 A
Receptacle	1800 VA	100.00%	1800 VA	**Total Est. Demand:**	34 A
HVAC Load	0 VA	0.00%	0 VA		
HVAC - CU - NON CONGRUENT	8112 VA	1.00%	81 VA		

Notes:

(12) APT METERS



3 METER BANK B2
NOT TO SCALE

MULTI-FAMILY BUILDING LOAD ANALYSIS BUILDING B

Panel Unit Type (Connected Load)	Total Units Unit Quantity	Total Connected Load Sum of Units	Total KVA	NEC Building Diversity	Diversified KVA	Amps @ 208V/3PH	House Load	Total Demand - Amps
METER BANK B1	32	1,005,070 VA	1005	31%	312	865	0	865
A6-(30,780 VA)	5	153900 VA						
A6-A-(30,780 VA)	1	30780 VA						
A6-ALT-(30,699 VA)	7	214893 VA						
A9-(30,951 VA)	8	247608 VA						
B3A-(31,755 VA)	3	95265 VA						
B3B-(31,650 VA)	4	126600 VA						
B9-(34,006 VA)	4	136024 VA						
METER BANK B2	12	381,616 VA	382	41%	156	435	225	660
A6-ALT-(30,699 VA)	8	245592 VA						
B9-(34,006 VA)	4	136024 VA						
METER BANK B3	25	788,161 VA	788	35%	276	766	0	766
A3-(30,600 VA)	10	306000 VA						
A6-(30,780 VA)	4	123120 VA						
B3A-(31,755 VA)	3	95265 VA						
B6-(31,938 VA)	4	127752 VA						
B9-(34,006 VA)	4	136024 VA						

FEEDER SCHEDULE - ALUMINUM AA8000

MARK	OCP	SETS	COND.	SIZE	SIZE GRD	CONDUIT
0		1	1		3/0 CU	
1	1200 A	4	4	500 KCMIL		3
2	1000 A	3	4	600 KCMIL		4
3	800 A	3	4	400 KCMIL		3
4	400 A	2	4	#4/0	#1	2

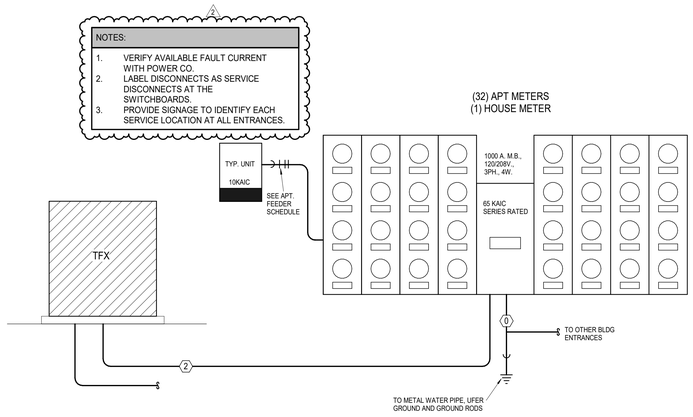
APARTMENT PANEL FEEDER - TYPE SER ALUMINUM	
100A.: 2 - 2 - 2 - 6 UP TO 120 FT. 1 - 1 - 1 - 4 UP TO 150 FT. 0 - 0 - 0 - 4 UP TO 185 FT. 2/0 - 2/0 - 2/0 - 3 UP TP 235 FT.	110A.: 1 - 1 - 1 - 4 UP TO 135 FT. 0 - 0 - 0 - 4 UP TP 170 FT. 2/0 - 2/0 - 2/0 - 3 UP TO 215 FT.

NOTE:
- UNDERGROUND CONDUIT MATERIAL = SCH. 40 PVC.
- CONDUCTOR INSULATION = THHN/THWN.

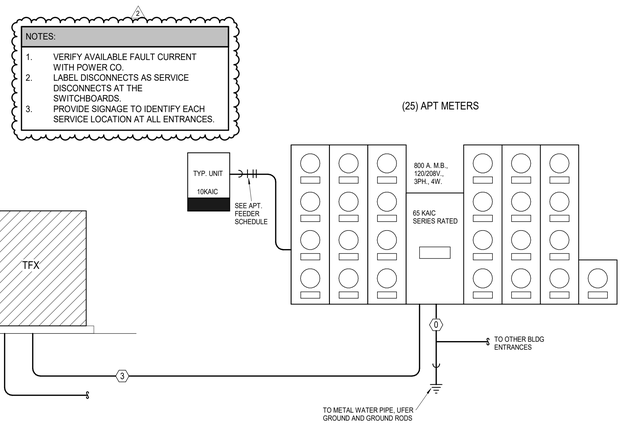
PERMANENT PLACARDS SHALL BE POSTED AT EACH EXTERIOR SERVICE ENTRANCE AND METER BANK TO DISPLAY AREA SERVED.

SEE UNIT LOAD CALCS FOR APT PANEL BREAKER, 100A/2P, 110A/2P.

(32) APT METERS
(1) HOUSE METER



1 METER BANK B1
NOT TO SCALE



2 METER BANK B3
NOT TO SCALE

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△REVISIONS
2 10.29.2024 City Comments 1

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET

SHEET NAME
ELECTRICAL DETAILS

SHEET NO.
E3.04

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

10/31/2024 9:06:18 AM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/2024

Panel: HC

Location: | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22000
Supply From: METER BANK - C1 | **Phases:** 3 | **Mains Type:** MB
Mounting: | **Wires:** 4 | **Mains Rating:** 400 A
Enclosure: | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Wire Size	A	B	C	Wire Size	Trip	Circuit Description	CKT
1	Receptacle ACC....	20 A	12	540	720		12	20 A	Receptacle PRIVATE...	2
3	Receptacle CORRIDOR 681	20 A	12		720	720	12	20 A	Receptacle PRIVATE...	4
5	Lighting	20 A	12			332	492	12	20 A	Lighting	6
7	Lighting	20 A	12	549	0		12	20 A	Lighting	8
9	Lighting ELEV C 679	20 A	12		40	180	12	20 A	Receptacle ELEV LOBBY-1...	10
11	Receptacle ELEV LOBBY-1...	20 A	12			180	500	12	20 A	FACP (HLO)	12
13	Other JANITOR 465	20 A	12	1200	863		12	20 A	Lighting	14
15	EUH-A	20 A	12		1500	720	12	20 A	Receptacle CORRIDOR 681	16
17						1500	540	12	20 A	Receptacle PRIVATE...	18
19	Receptacle PRIVATE...	20 A	12	720	720		12	20 A	Receptacle PRIVATE...	20
21	Receptacle PRIVATE...	20 A	12		720	549	12	20 A	Lighting	22
23	EUH-A	20 A	12			1500	720	12	20 A	Receptacle CORRIDOR 681	24
25				1500	3224		8	40 A	AHU-HC1	26
27	EUH-B	35 A	8		2800	3224					28
29						2800	400	12	20 A	Receptacle IT 557	30
31	Receptacle IT 557	20 A	12	400	3224		8	40 A	AHU-HC2	32
33	Lighting	20 A	12		207	3224					34
35	Lighting	20 A	12			207	3224	8	40 A	AHU-HC3	36
37	AHU-HC4	40 A	8	3224	3224						38
39					3224	1613	10	25 A	DSS-STAIR	40	
41	Lighting	20 A	12			207	1613				42
43	Receptacle ELEV C-1 677-1	20 A	12	180	40		12	20 A	Lighting ELEV C-2 677-2	44	
45	ELEVATOR (SHUNT TRIP) VERIFY	90 A	4		4900	500	12	20 A	Other	46	
47						4900	1613	10	25 A	DSS-STAIR	48
49				4900	1613						50
51	Receptacle Space 2473	20 A	12		1080	1500	12	20 A	EUH-A	52	
53							1500				54
		Total Load:		36379 VA	36327 VA	31102 VA					
		Total Amps:		310 A	309 A	259 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	46962 VA	100.00%	46962 VA		
Lighting	2147 VA	125.00%	2683 VA	**Total Conn. Load:**	103306 VA
Other	1700 VA	100.00%	1700 VA	**Total Est. Demand:**	95973 VA
Power	19500 VA	100.00%	19500 VA	**Total Conn.:**	287 A
Receptacle	10880 VA	95.96%	10440 VA	**Total Est. Demand:**	266 A
Motor	14700 VA	100.00%	14700 VA		
HVAC Load	0 VA	0.00%	0 VA		
HVAC - CU - NON CONGRUENT	7488 VA	1.00%	75 VA		

Notes:

Panel: HC

Location: | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22000
Supply From: METER BANK - C1 | **Phases:** 3 | **Mains Type:** MB
Mounting: | **Wires:** 4 | **Mains Rating:** 400 A
Enclosure: | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Wire Size	A	B	C	Wire Size	Trip	Circuit Description	CKT
55	CU-HC4	15 A	12	936	936		12	15 A	CU-HC3	56	
57						936	936				58
59	CU-HC2	15 A	12			936	936	10	15 A	CU-HC1	60
61				936	936						62
63	Spare	20 A	--			0	5400				64
65	Spare	20 A	--				0	5400	6	60 A	COMPACTOR (BLDG 2 ONLY)	66
67	Spare	20 A	--	0	5400						68
69	Spare	20 A	--			0	1650	8	40 A	EV CHARGER	70
71	Spare	20 A	--				0	1650				72
73	Spare	20 A	--	0	400				10	20 A	SITE LIGHTING (BLDG 2...	74
75	Spare	20 A	--			0						76
77	Spare	20 A	--				0					78
79	Spare	20 A	--	0								80
81	Spare	20 A	--			0						82
83	Spare	20 A	--				0					84
85	Spare	20 A	--	0								86
87	Spare	20 A	--			0						88
89	Spare	20 A	--				0					90
91	Spare	20 A	--	0								92
93	Spare	20 A	--			0						94
95	Spare	20 A	--				0					96
		Total Load:		9544 VA		8922 VA	8922 VA				
		Total Amps:		80 A		74 A	74 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
Lighting	400 VA	125.00%	500 VA		
Power	19500 VA	100.00%	19500 VA	**Total Conn. Load:**	27388 VA
HVAC - CU - NON CONGRUENT	7488 VA	1.00%	75 VA	**Total Est. Demand:**	20075 VA
				Total Conn.:	76 A
				Total Est. Demand:	56 A

Notes:

MULTI-FAMILY BUILDING LOAD ANALYSIS BUILDING C

Panel	Total Units	Total Connected Load	Total KVA	NEC Building Diversity	Diversified KVA	Amps @ 208V/3PH	House Load	Total Demand - Amps
Unit Type (Connected Load)	Unit Quantity	Sum of Units						
METER BANK C1	21	662,146 VA	662	37%	245	681	270	951
A3-(30,600 VA)	7	214200 VA						
A9-(30,951 VA)	7	216657 VA						
B3A-(31,755 VA)	3	95265 VA						
B9-(34,006 VA)	4	136024 VA						
METER BANK C2	24	757,156 VA	757	35%	265	736	0	736
A5-(30,780 VA)	3	92340 VA						
A6-ALT-(30,699 VA)	7	214893 VA						
A7-(30,678 VA)	3	92034 VA						
B3A-(31,755 VA)	3	95265 VA						
B3B-(31,650 VA)	4	126600 VA						
B9-(34,006 VA)	4	136024 VA						

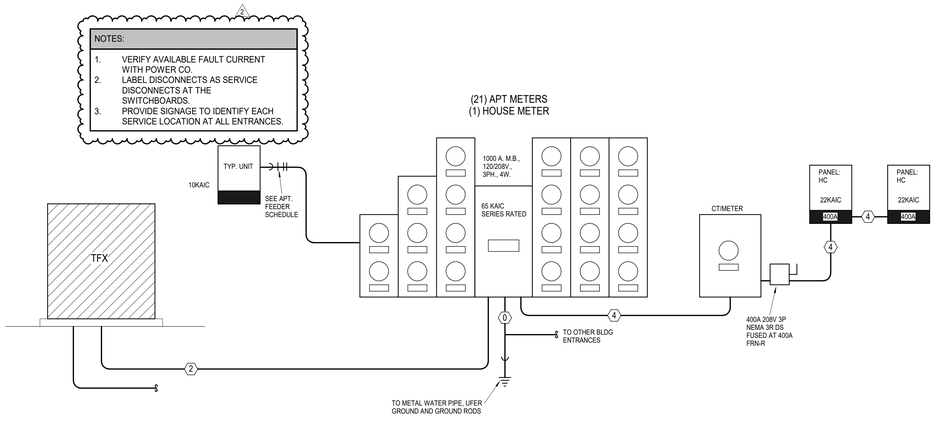
APARTMENT PANEL FEEDER - TYPE SER ALUMINUM	
100A.: 2 - 2 - 2 - 6 UP TO 120 FT. 1 - 1 - 1 - 4 UP TO 150 FT. 0 - 0 - 0 - 4 UP TO 185 FT. 2/0 - 2/0 - 2/0 - 3 UP TP 235 FT.	110A.: 1 - 1 - 1 - 4 UP TO 135 FT. 0 - 0 - 0 - 4 UP TP 170 FT. 2/0 - 2/0 - 2/0 - 3 UP TO 215 FT.

NOTE:
- UNDERGROUND CONDUIT MATERIAL = SCH. 40 PVC.
- CONDUCTOR INSULATION = THHN/THWN.

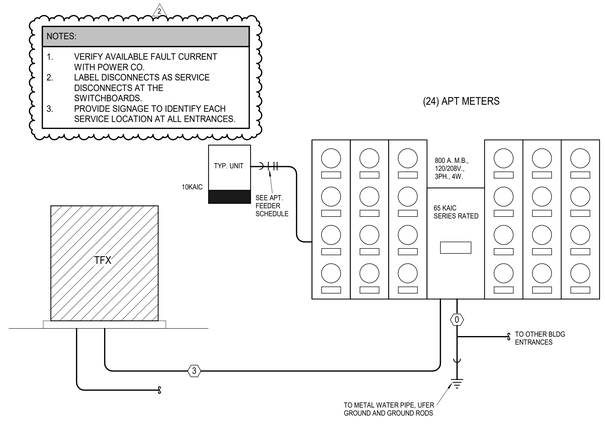
PERMANENT PLACARDS SHALL BE POSTED AT EACH EXTERIOR SERVICE ENTRANCE AND METER BANK TO DISPLAY AREA SERVED.

SEE UNIT LOAD CALCS FOR APT PANEL BREAKER, 100A/2P, 110A/2P.

FEEDER SCHEDULE - CO. ALUMINUM AA8000						
MARK	OCP	SETS	COND.	SIZE	SIZE GRD	CONDUIT
0		1	1		3/0 CU	
1	1200 A	4	4	500 KCMIL		3
2	1000 A	3	4	600 KCMIL		4
3	800 A	3	4	400 KCMIL		3
4	400 A	2	4	#4/0	#1	2



1 METER BANK C1
NOT TO SCALE



2 METER BANK C2
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PRAIRIE VILLAGE,
KANSAS, 66207

STATE OF MISSOURI — RICHARD BEARD — NUMBER PE-2009012026 — PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
• 09.16.24 PERMIT SET

△ REVISIONS
2 10.29.2024 City Comments 1

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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Topeka, Kansas 6614-3974
9625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
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SHEET NO. E3.05

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ARCH E1.30" x 42"

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Development Services Department
Lee's Summit, Missouri
11/12/24

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STATE OF MISSOURI
RICHARD BEARD MARTIN
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

MULTI-FAMILY BUILDING LOAD ANALYSIS BUILDING D

Panel Unit Type (Connected Load)	Total Units Unit Quantity	Total Connected Load Sum of Units	Total KVA	NEC Building Diversity	Diversified KVA	Amps @ 208V/3PH	House Load	Total Demand - Amps
METER BANK D1	24	757,703 VA	758	35%	265	737	250	987
A3-(30,600 VA)	8	244800 VA						
A9-(30,951 VA)	8	247608 VA						
B3A-(31,755 VA)	3	95265 VA						
B9-(34,006 VA)	5	170030 VA						
METER BANK D2	27	853,511 VA	854	34%	290	806	0	806
A6-(30,780 VA)	3	92340 VA						
A6-ALT-(30,699 VA)	8	245592 VA						
A7-(30,678 VA)	3	92034 VA						
B3A-(31,755 VA)	3	95265 VA						
B3B-(31,650 VA)	5	158250 VA						
B9-(34,006 VA)	5	170030 VA						

Panel: HD

Location:
Supply From: METER BANK - D1
Mounting: RECESSED
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MB
Mains Rating: 400 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Receptacle ELEV D 675	20 A	12	180	180					12	20 A	Receptacle ELEV D 675	2
3	Lighting ELEV D 675	20 A	12			40	3224			8	40 A	AHU-HDB	4
5	Lighting	20 A	12					207	3224				6
7	Receptacle ACC....	20 A	12	720	720					12	20 A	Receptacle CORRIDOR 676	8
9	Lighting	20 A	12			261	720			12	20 A	Receptacle PRIVATE...	10
11	Receptacle PRIVATE...	20 A	12					720	1200	12	20 A	Other JANITOR 672	12
13	Lighting	20 A	12	863	500					12	20 A	Standard	14
15	EUH-B	35 A	8			2800	0			12	20 A	Lighting	16
17								2800	1500			EUH-A	18
19	AHU-HD1	40 A	8	3224	1500					12	20 A		20
21						3224	1500						22
23	Receptacle CORRIDOR 676	20 A	12					720	1500	12	20 A	EUH-A	24
25	Lighting	20 A	12	492	720					12	20 A	Receptacle PRIVATE...	26
27	Receptacle PRIVATE...	20 A	12			720	720			12	20 A	Receptacle PRIVATE...	28
29	Receptacle PRIVATE...	20 A	12					720	720	12	20 A	Receptacle CORRIDOR 676	30
31	Lighting	20 A	12	135	135					12	20 A	Lighting	32
33	Lighting	20 A	12			207	3224			8	40 A	AHU-HD2	34
35	AHU-HD3	40 A	8					3224	3224				36
37				3224	207					12	20 A	Lighting	38
39	ELEVATOR (SHUNT TRIP) VERIFY	90 A	3			4900	500			12	20 A	Other	40
41								4900	3224	8	40 A	AHU-HD4	42
43				4900	3224								44
45	Lighting ELEV D 654	20 A	12			40	207			12	20 A	Lighting	46
47	Receptacle ELEV D 660	20 A	12					180	1613	10	25 A	DSS-STAIR	48
49	DSS-STAIR	25 A	10	1613	1613								50
51						1613	1080			12	20 A	Receptacle Space 2470	52
53													54
		Total Load:		27846 VA		29262 VA		33973 VA					
		Total Amps:		232 A		246 A		285 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	53410 VA	100.00%	53410 VA		
Lighting	1778 VA	125.00%	2223 VA	**Total Conn. Load:**	90581 VA
Other	1700 VA	100.00%	1700 VA	**Total Est. Demand:**	81738 VA
Power	0 VA	0.00%	0 VA	**Total Conn.:**	251 A
Receptacle	9720 VA	100.00%	9720 VA	**Total Est. Demand:**	227 A
Motor	14700 VA	100.00%	14700 VA		
HVAC Load	0 VA	0.00%	0 VA		
HVAC - CU - NON CONGRUENT	9360 VA	1.00%	94 VA		

Notes:

Panel: HD

Location:
Supply From: METER BANK - D1
Mounting: RECESSED
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MB
Mains Rating: 400 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
55	CU-HDB	15 A	12	936	936					12	15 A	CU-HD1	56
57						936	936						58
59	CU-HD2	15 A	12					936	936	12	15 A	CU-HD3	60
61				936	936								62
63	CU-HD4	15 A	12			936	1500			12	20 A	EUH-A	64
65								936	1500				66
67	Spare	20 A	--	0									68
69	Spare	20 A	--			0							70
71	Spare	20 A	--					0					72
73	Spare	20 A	--	0									74
75	Spare	20 A	--			0							76
77	Spare	20 A	--					0					78
79	Spare	20 A	--	0									80
81	Spare	20 A	--			0							82
83	Spare	20 A	--					0					84
85	Spare	20 A	--	0									86
87	Spare	20 A	--			0							88
89	Spare	20 A	--					0					90
91	Spare	20 A	--	0									92
93	Spare	20 A	--			0							94
95	Spare	20 A	--					0					96
		Total Load:		3744 VA		4308 VA		4308 VA					
		Total Amps:		31 A		37 A		37 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	3000 VA	100.00%	3000 VA		
Power	0 VA	0.00%	0 VA	**Total Conn. Load:**	12360 VA
HVAC - CU - NON CONGRUENT	9360 VA	1.00%	94 VA	**Total Est. Demand:**	3094 VA
				Total Conn.:	34 A
				Total Est. Demand:	9 A

Notes:

APARTMENT PANEL FEEDER - TYPE SER ALUMINUM	
100A.: 2 - 2 - 2 - 6 UP TO 120 FT. 1 - 1 - 1 - 4 UP TO 150 FT. 0 - 0 - 0 - 4 UP TO 185 FT. 2/0 - 2/0 - 2/0 - 3 UP TP 235 FT.	110A.: 1 - 1 - 1 - 4 UP TO 135 FT. 0 - 0 - 0 - 4 UP TP 170 FT. 2/0 - 2/0 - 2/0 - 3 UP TO 215 FT.

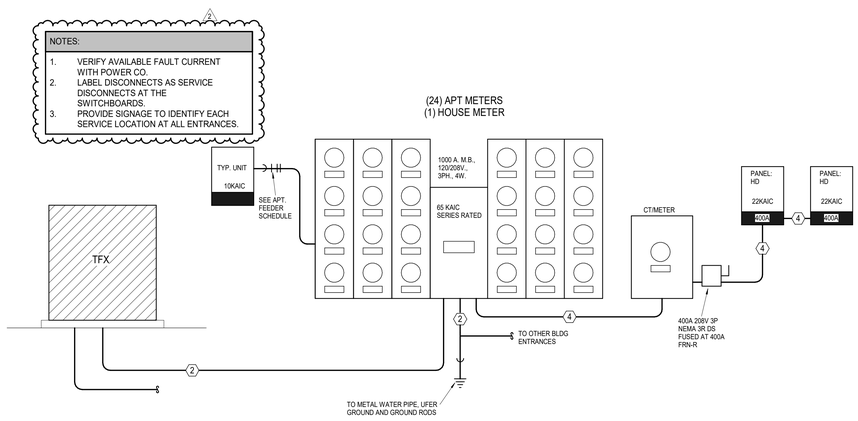
NOTE:
- UNDERGROUND CONDUIT MATERIAL = SCH. 40 PVC.
- CONDUCTOR INSULATION = THHN/THWN.

PERMANENT PLACARDS SHALL BE POSTED AT EACH EXTERIOR SERVICE ENTRANCE AND METER BANK TO DISPLAY AREA SERVED.

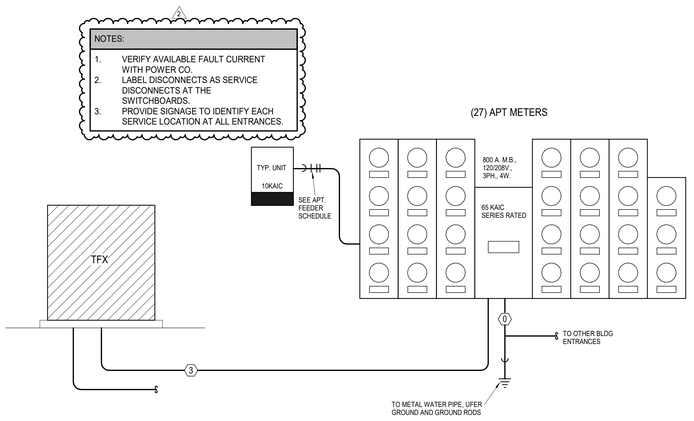
SEE UNIT LOAD CALCS FOR APT PANEL BREAKER, 100A/2P, 110A/2P.

FEEDER SCHEDULE - ALUMINUM AA8000

MARK	OCP	SETS	COND.	SIZE	SIZE GRD	CONDUIT
0		1	1		3/0 CU	
1	1200 A	4	4	500 KCMIL		3
2	1000 A	3	4	600 KCMIL		4
3	800 A	3	4	400 KCMIL		3
4	400 A	2	4	#4/0	#1	2



1 METER BANK D1
NOT TO SCALE



2 METER BANK D2
NOT TO SCALE

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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ARCH E1.30" x 42"

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	MFGR	MODEL	MOUNTING	FINISH	LAMPS	NOTES
A	Disk Light	Halo	SLD612/8027/WH	jb/surface	white	1200 Lumen 2700K 15W LED	Wet Location
A1	Unit Disk Light	RP Lighting	8556-90-90	jb/surface	CONFIRM	1000 Lumen 2700K 15W LED	
B	Patio Sconce	Kichler	9234BK	wall	Black	1-10W LED	Wet Location
C	Shower Disk Light	Halo	SLD606/8027/WH	jb/surface	white	600 Lumen 2700K 10W LED	Wet Location
D	Vanity Sconce	Sunset Lighting	F2863-80-LED-JA8	wall	br. Nickel	1740 Lumen 24W LED	
E	Kitchen Pendant	Lightology	MKL542186	jb/surface		1-13W 3000K LED	
F	5-blade fan, 3-spd, rev. w/globe	Westinghouse	72059 - 52"	surface	br. Nickel	2-8W LED	Energy Star Rated
H	Unit Entry Sconce	CONFIRM WITH OWNER					
J	Closet Light	Luminance	F7172-53-LED	jb/surface	CONFIRM	1500 Lumen 3000K 20W	
K	Exterior Sconce	Kichler	9234BK (CONFIRM WITH ARCH/OWNER)	wall	black	1-10W LED	Wet Location
L	Strip Light	Lithonia	CSS-L48-4000LM-MVOLT-40K-80CRI	surface	white	4000 Lumen 4000K LED	
L1	Strip Light	Lithonia	CSS-L48-4000LM-MVOLT-40K-80CRI	surface	white	4000 Lumen 4000K LED	With 2HR Battery
M	Vapor Tight Strip	Lithonia	CSVT-L48-4000LM-MVOLT-35K-80CRI-IE7WCP	surface	white	4000 Lumen 3500K LED	
N	Surface Downlight	Satco	62-1312	jb/surface	white	1050 Lumen 3000k 15W	
X1	Exit	Progress	PETPE-UR-30-RC	surface	white/red	1.5W LED	
X2	Exit w/heads	Progress	PECUE-UR-30-RC	surface	white/red	1.5W LED	
X3	Dual-Head Emergency	NICOR	EML7	surface	std	700 lumen	
X4	Exterior Remote Head	Progress	PERHC-SG-OD-30	surface	std	1W LED	

ELECTRICAL PANEL SCHEDULE

PANEL: A UNITS			POLES: 20		MOUNTING: FLUSH
BUS: 125A.	MAINS: MLO		VOLTAGE: 120/208	PHASE/WIRE: 1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION			AMPS	POLES	QUANTITY
1, 3	RANGE			40	2	1
5, 7, 13, 15	WATER HEATER, DRYER			30	2	2
9, 11	AHU			40	2	1
17, 19	CONDENSING UNIT			15	2	1
2	LIGHTS AND RECEPTACLES			20	1	1
4-18 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES			20	1	8
20	SPARE			20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: B3, B6			POLES: 24		MOUNTING: FLUSH
BUS: 125A.	MAINS: MLO		VOLTAGE: 120/208	PHASE/WIRE: 1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION			AMPS	POLES	QUANTITY
1, 3	RANGE			40	2	1
5, 7, 13, 15	WATER HEATER, DRYER			30	2	2
9, 11	AHU			40	2	1
17, 19	CONDENSING UNIT			15	2	1
2, 22	LIGHTS AND RECEPTACLES			20	1	2
4-20 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES			20	1	9
21	SPARE			20	1	3

ELECTRICAL PANEL SCHEDULE

PANEL: B3A, B9			POLES: 24		MOUNTING: FLUSH
BUS: 125A.	MAINS: MLO		VOLTAGE: 120/208	PHASE/WIRE: 1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION			AMPS	POLES	QUANTITY
1, 3	RANGE			40	2	1
5, 7, 13, 15	WATER HEATER, DRYER			30	2	2
9, 11	AHU			50	2	1
17, 19	CONDENSING UNIT			25	2	1
2, 22	LIGHTS AND RECEPTACLES			20	1	2
4-20 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES			20	1	9
21	SPARE			20	1	3

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STATE OF MISSOURI
RICHARD BEARD BEARD
NUMBER
PE-2009019726
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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SHEET NO. E3.07

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ARCH E1.30" x 42"

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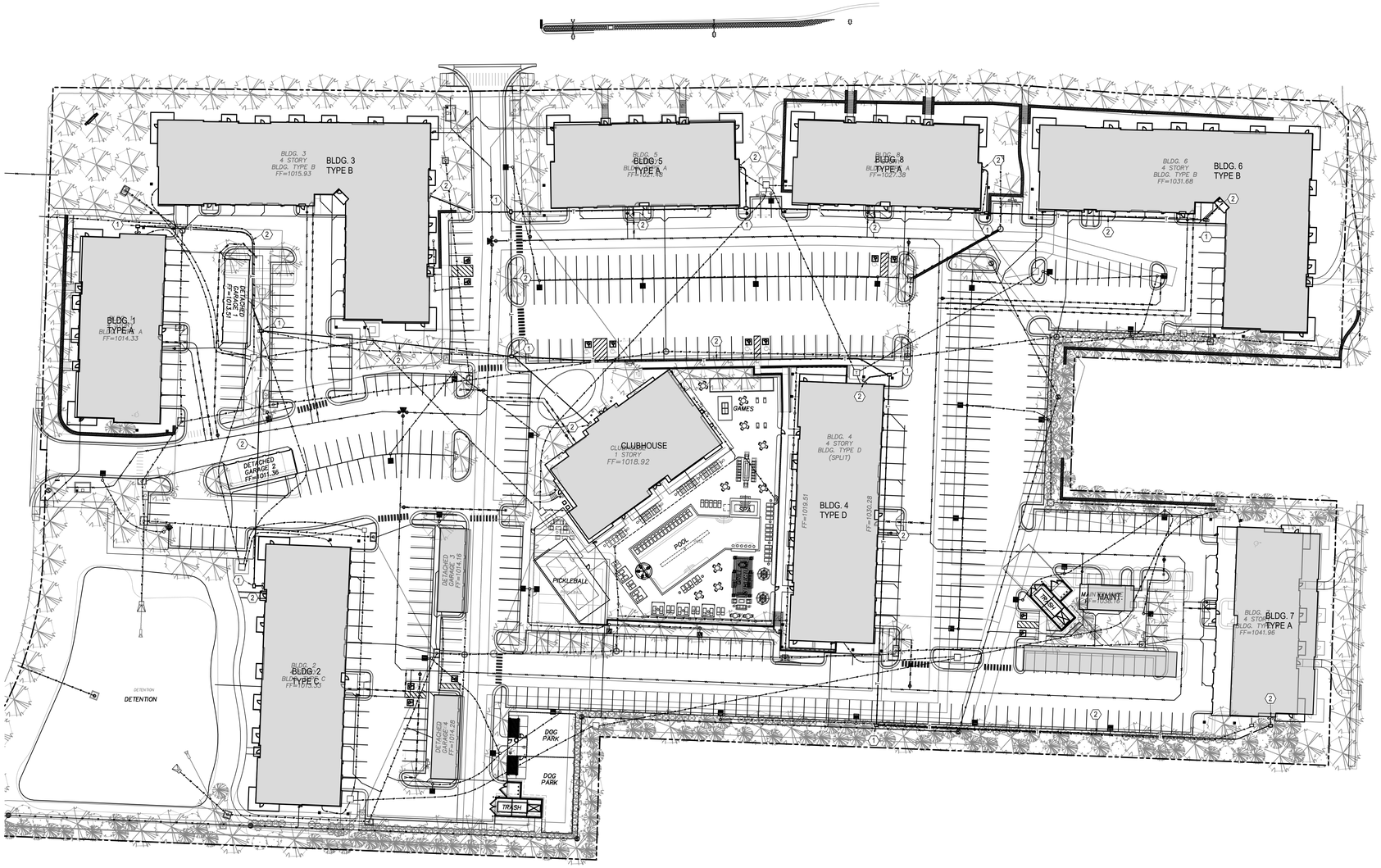
LEGEND:

1. 24"Wx36"Lx30"D QUAZITE HANDHOLE FOR VOICE/DATA PROVIDER CABLING. VERIFY SIZE, QUANTITY AND LOCATION WITH UTILITY PROVIDER(S) AND CIVIL PLANS
2. (3) 4"C. WITH PULL STRINGS FOR VOICE/DATA PROVIDER CABLING AT 36" MINIMUM BELOW GRADE



NORTH

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

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PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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- 09.16.24 PERMIT SET

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SHEET NO. T0.01

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11/12/24

TELECOM LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
(2) TMGB:1/4"x4"x16" BUSBAR, HARGER GROUND BAR TGBI14416TMGBKT OR EQUAL PROVIDE #3/0 MAIN ELECTRICAL SERVICE GROUND.
(3) TGB:1/4"x4"x12" BUSBAR, HARGER GROUND BAR TGBI14412TMGBKT OR EQUAL PROVIDE #1/0 TO TMGB IN MDF.
(4) (2) 2" EMT CONDUITS FOR VOICE/DATA BACKBONE CABLING.
(5) 2" EMT CONDUIT TO WEATHERHEAD ON ROOF FOR POTENTIAL FUTURE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS) CABLING PATHWAY. REFER TO WEATHERHEAD DETAIL.
(6) HARDLINE PHONE LINE CONNECTION SPECIFIED TO ELEVATOR CONTROL PANEL. ELEVATOR DESIGNER/PROVIDER SHALL VERIFY THAT ALL REQUIREMENTS ARE MET REGARDING THE REQUIRED ELEVATOR CELLULAR EQUIPMENT.

TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO MDF T1A

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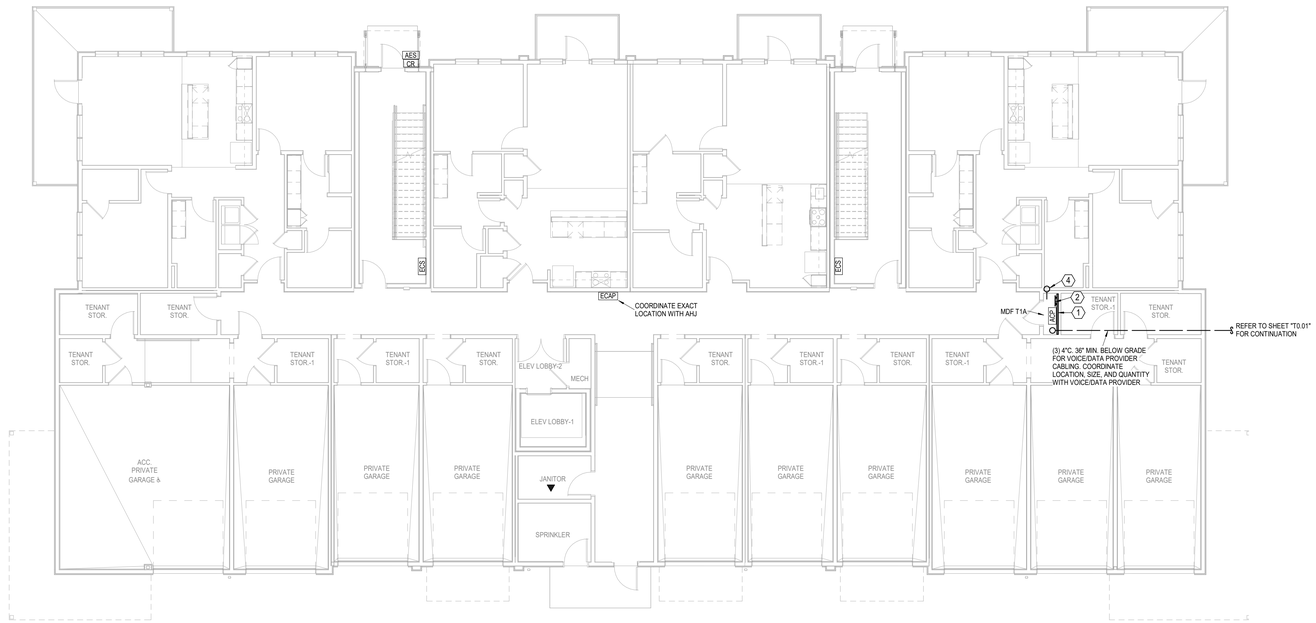
STATE OF MISSOURI
RICHARD BEARD NUMBER PE-2009012024
PROFESSIONAL ENGINEER

10/29/2024



1 BUILDING A - 1ST FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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LSA PROJECT NO. 2404027

JOB NO. 720522 | DATE 09.16.2024
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SHEET NAME BUILDING A - FIRST FLOOR PLAN - TELECOM
SHEET NO. T1.11

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ARCH E1.30" x 42"

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TELECOM LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
(2) TMGB:1/4"x4"x16" BUSBAR, HARGER GROUND BAR TGBI14416TMGBKT OR EQUAL PROVIDE #3/0 MAIN ELECTRICAL SERVICE GROUND.
(3) TGB:1/4"x4"x12" BUSBAR, HARGER GROUND BAR TGBI14412TMGBKT OR EQUAL PROVIDE #1/0 TO TMGB IN MDF.
(4) (2) 2" EMT CONDUITS FOR VOICE/DATA BACKBONE CABLING.
(5) 2" EMT CONDUIT TO WEATHERHEAD ON ROOF FOR POTENTIAL FUTURE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS) CABLING PATHWAY. REFER TO WEATHERHEAD DETAIL.
(6) HARDLINE PHONE LINE CONNECTION SPECIFIED TO ELEVATOR CONTROL PANEL. ELEVATOR DESIGNER/PROVIDER SHALL VERIFY THAT ALL REQUIREMENTS ARE MET REGARDING THE REQUIRED ELEVATOR CELLULAR EQUIPMENT.

TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO MDF T1A

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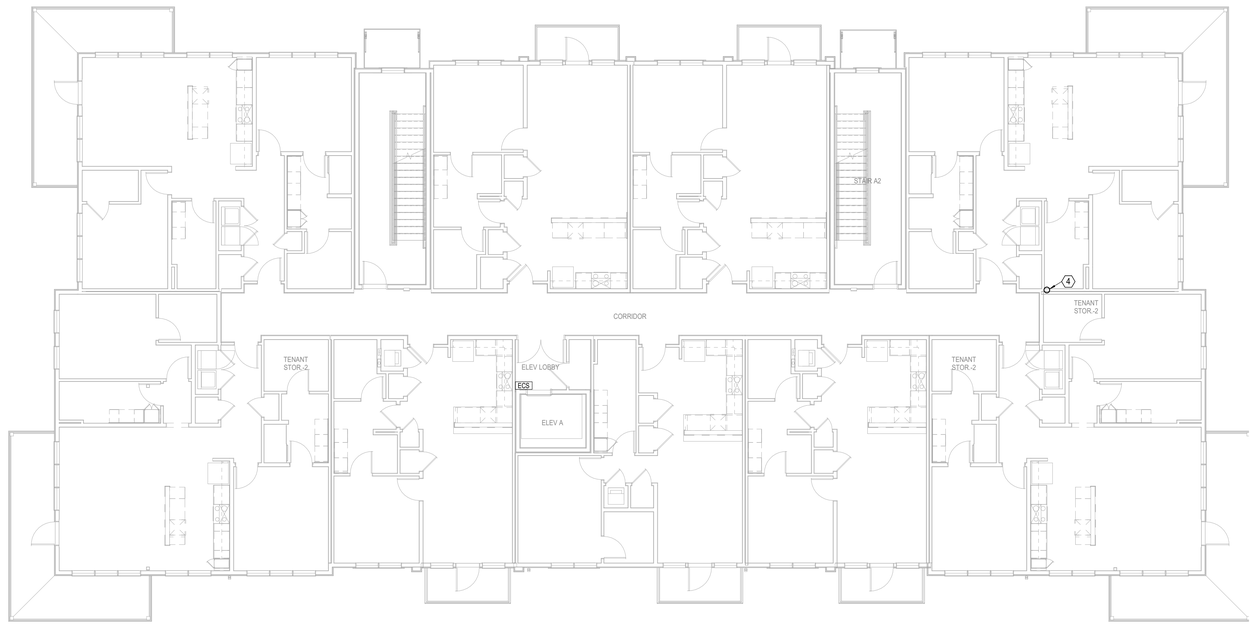
PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024



1 BUILDING A - 2ND FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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- 09.16.24 PERMIT SET

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JOB NO. 720522
DATE 09.16.2024
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SHEET NAME
BUILDING A - SECOND FLOOR PLAN - TELECOM
SHEET NO.
T1.12

LS&A Latimer Sommers & Associates P.A.
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3639 SW Summerfield Drive, Suite A
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Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

10/31/2024 9:06:25 AM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
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Development Services Department
Lee's Summit, Missouri
11/12/24

TELECOM LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
(2) TMGB:1/4"x4"x16" BUSBAR, HARGER GROUND BAR TGBI14416TMGBKT OR EQUAL PROVIDE #3/0 MAIN ELECTRICAL SERVICE GROUND.
(3) TGB:1/4"x4"x12" BUSBAR, HARGER GROUND BAR TGBI14412TMGBKT OR EQUAL PROVIDE #1/0 TO TMGB IN MDF.
(4) (2) 2" EMT CONDUITS FOR VOICE/DATA BACKBONE CABLING.
(5) 2" EMT CONDUIT TO WEATHERHEAD ON ROOF FOR POTENTIAL FUTURE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS) CABLING PATHWAY. REFER TO WEATHERHEAD DETAIL.
(6) HARDLINE PHONE LINE CONNECTION SPECIFIED TO ELEVATOR CONTROL PANEL. ELEVATOR DESIGNER/PROVIDER SHALL VERIFY THAT ALL REQUIREMENTS ARE MET REGARDING THE REQUIRED ELEVATOR CELLULAR EQUIPMENT.

TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO IDF T3A

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LANDSCAPE
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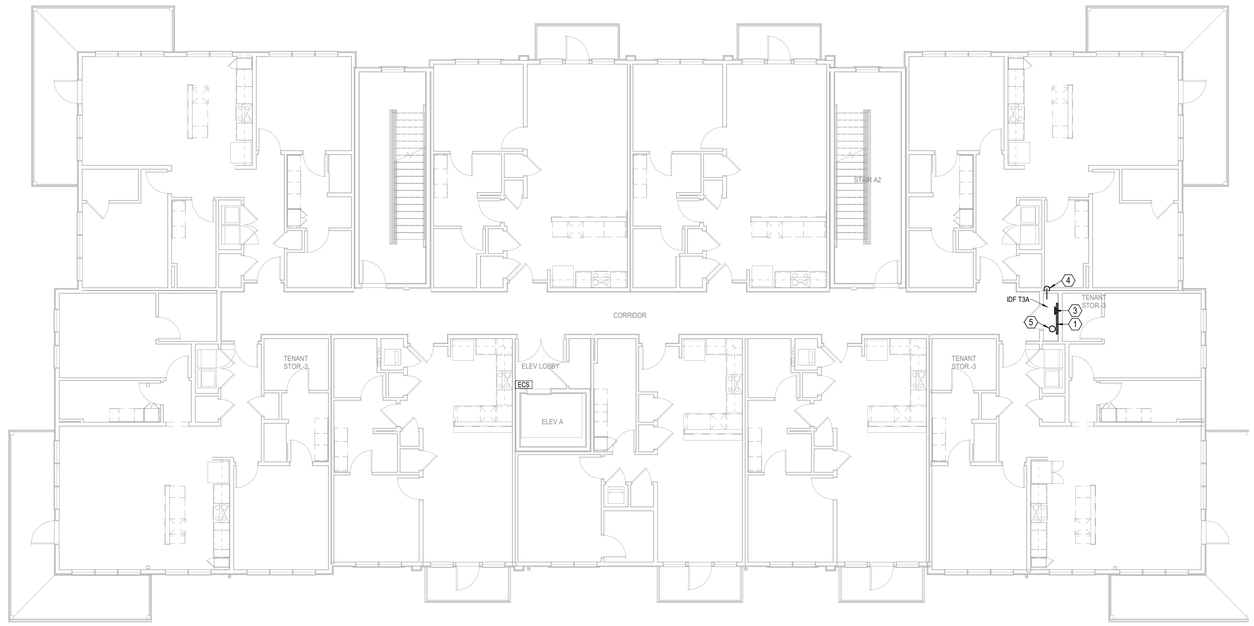
KANSAS,66207

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009017024
PROFESSIONAL ENGINEER

10/29/2024



1 BUILDING A - 3RD FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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- 09.16.24 PERMIT SET

△ REVISIONS

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LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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SHEET NAME BUILDING A - THIRD FLOOR PLAN - TELECOM
SHEET NO. T1.13

10/31/2024 9:06:29 AM

ARCH E1.30" x 42"

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Lee's Summit, Missouri
11/1/2024

TELECOM LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
(2) TMGB:1/4"x4"x16" BUSBAR, HARGER GROUND BAR TGBI14416TMGBKT OR EQUAL PROVIDE #3/0 MAIN ELECTRICAL SERVICE GROUND.
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(5) 2" EMT CONDUIT TO WEATHERHEAD ON ROOF FOR POTENTIAL FUTURE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS) CABLING PATHWAY. REFER TO WEATHERHEAD DETAIL.
(6) HARDLINE PHONE LINE CONNECTION SPECIFIED TO ELEVATOR CONTROL PANEL. ELEVATOR DESIGNER/PROVIDER SHALL VERIFY THAT ALL REQUIREMENTS ARE MET REGARDING THE REQUIRED ELEVATOR CELLULAR EQUIPMENT.

TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO IDF T3A

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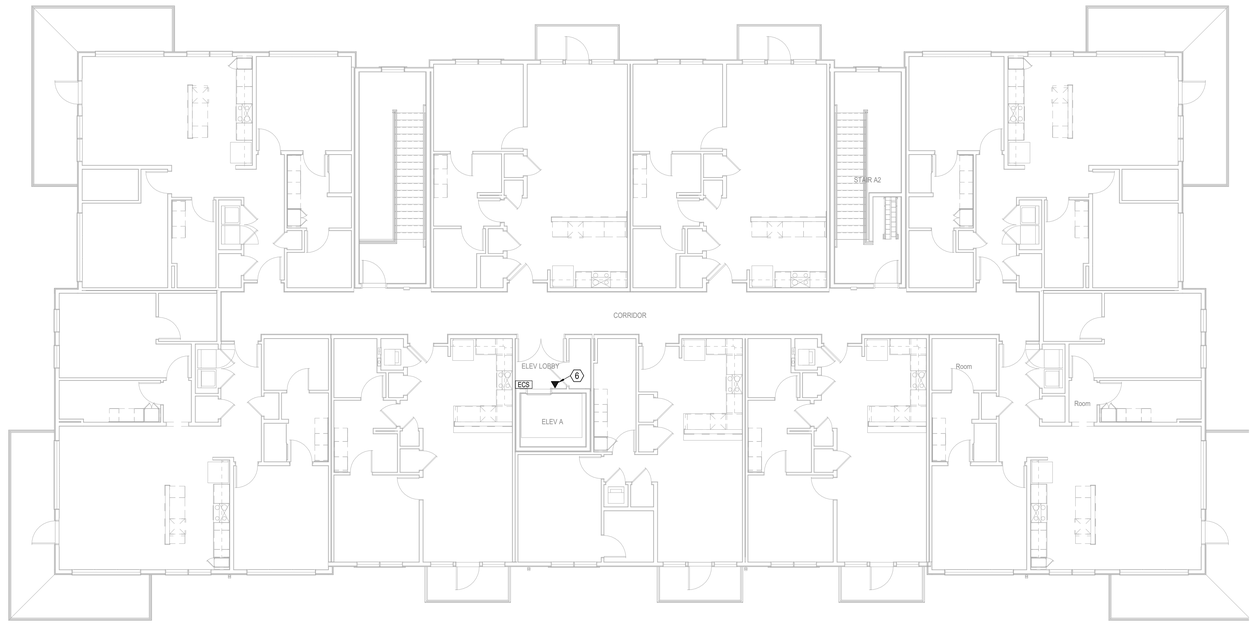
KANSAS,66207

STATE OF MISSOURI
RICHARD BEARD SOMMERS
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024



1 BUILDING A - 4TH FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 1, 5, 7, 8)

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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JOB NO. 720522
DATE 09.16.2024
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LSA PROJECT NO. 2404027

SHEET NAME
BUILDING A - FOURTH FLOOR PLAN - TELECOM
SHEET NO.
T1.14

10/31/2024 9:06:28 AM

ARCH E1.30" x 42"

1 BUILDING B - 1ST FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 3, 6)

TELECOM LEGEND:

1. PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
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4. (2) 2" EMT CONDUITS FOR VOICE/DATA BACKBONE CABLING.
5. 2" EMT CONDUIT TO WEATHERHEAD ON ROOF FOR POTENTIAL FUTURE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS) CABLING PATHWAY. REFER TO WEATHERHEAD DETAIL.
6. HARDLINE PHONE LINE CONNECTION SPECIFIED TO ELEVATOR CONTROL PANEL. ELEVATOR DESIGNER/PROVIDER SHALL VERIFY THAT ALL REQUIREMENTS ARE MET REGARDING THE REQUIRED ELEVATOR CELLULAR EQUIPMENT.

TELECOM NOTES:

1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO MDF T1A

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As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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PERMIT SET
SHEET NAME BUILDING B - FIRST FLOOR PLAN - TELECOM
SHEET NO. T1.21

10/31/2024 9:06:30 AM

ARCH E1.30" x 42"

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11/12/24

1 BUILDING B - 2ND FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 3, 6)

TELECOM LEGEND:

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TELECOM NOTES:

1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO MDF T1A

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STATE OF MISSOURI
RICHARD BEARD NUMBER PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
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LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
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SHEET NAME
BUILDING B - SECOND FLOOR PLAN - TELECOM
SHEET NO.
T1.22

10/31/2024 9:06:32 AM

ARCH E1.30" x 42"

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TELECOM LEGEND:
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TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO IDF T3A

1 BUILDING B - 3RD FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 3, 6)

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STATE OF MISSOURI
RICHARD BEARD WILLIAMS
NUMBER PE-2009010104
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
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PERMIT SET

SHEET NAME
BUILDING B - THIRD FLOOR PLAN - TELECOM
SHEET NO.
T1.23

10/31/2024 9:06:33 AM

ARCH E1.30" x 42"

1 **BUILDING B - 4TH FLOOR PLAN**
TELECOM
1/8" = 1'-0"
(BUILDINGS 3, 6)

TELECOM LEGEND:

1. PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
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TELECOM NOTES:

1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO IDF T3A

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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
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PERMIT SET

SHEET NAME
BUILDING B - FOURTH FLOOR PLAN - TELECOM
SHEET NO.
T1.24

10/31/2024 9:06:35 AM

ARCH E1.30" x 42"

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TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO MDF T1A

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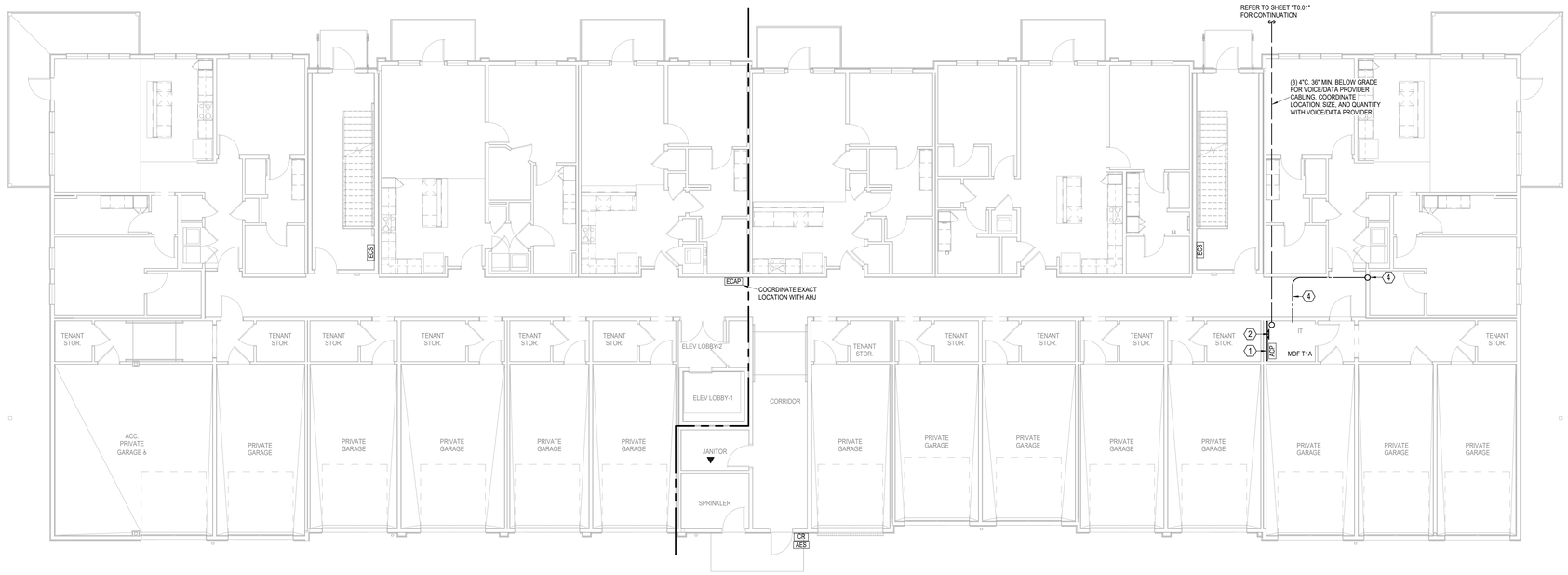
KANSAS,66207

10/29/2024



1 BUILDING C - 1ST FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 2, 4)

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

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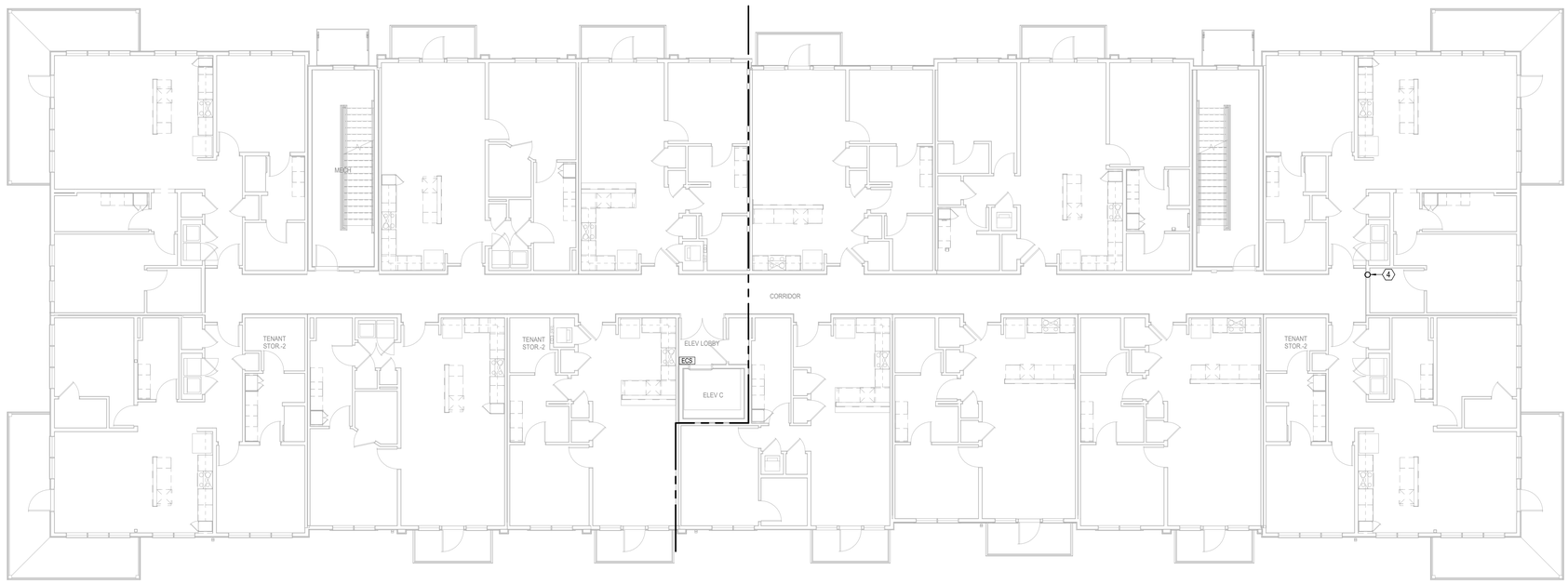
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING C - FIRST FLOOR PLAN - TELECOM
SHEET NO. T1.31

10/31/2024 9:06:36 AM

ARCH E1.30" x 42"



1 BUILDING C - 2ND FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 2, 4)

TELECOM LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
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TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO MDF T1A

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PRAIRIE VILLAGE, KANSAS, 66207

STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010024
PROFESSIONAL ENGINEER

10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING C - SECOND FLOOR PLAN - TELECOM
SHEET NO. T1.32

10/31/2024 9:06:39 AM

ARCH E1.30" x 42"

RELEASED FOR CONSTRUCTION
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Lee's Summit, Missouri
10/31/24

TELECOM LEGEND:
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TELECOM NOTES:
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RICHARD BEARD
NUMBER
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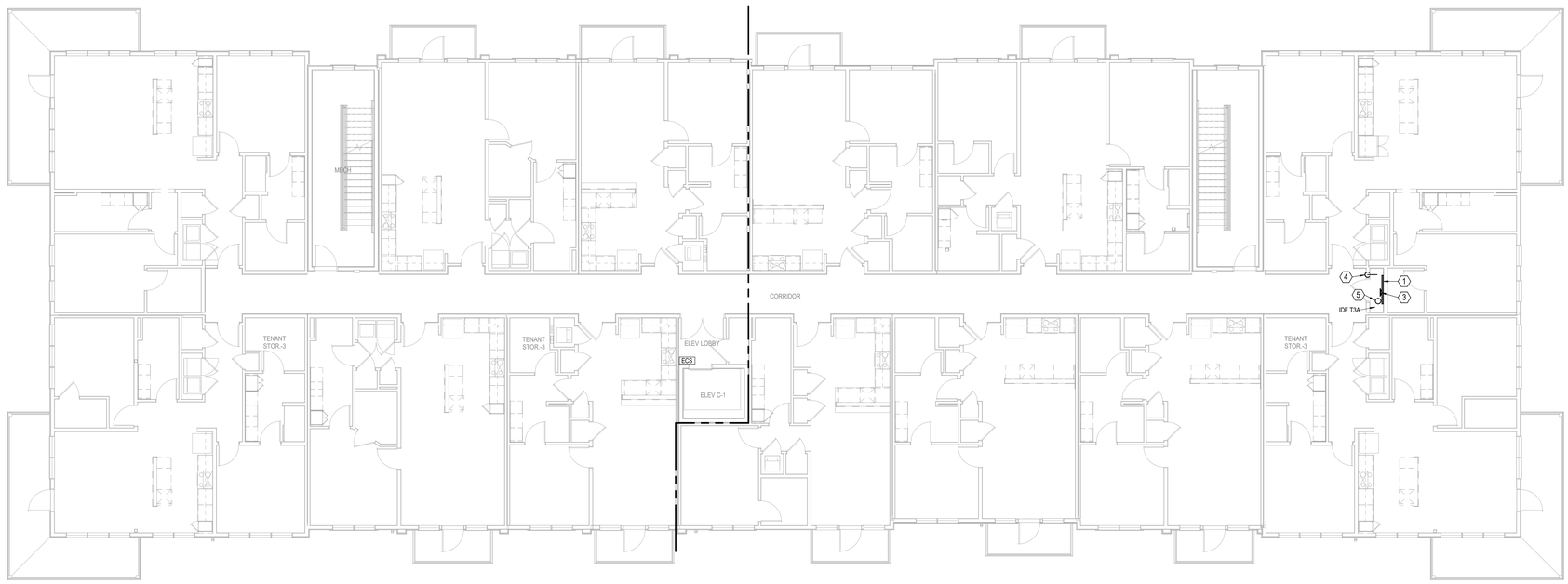
PROFESSIONAL ENGINEER

10/29/2024



1 BUILDING C - 3RD FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 2, 4)

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
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SHEET NAME
BUILDING C - THIRD FLOOR PLAN - TELECOM
SHEET NO.
T1.33

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
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Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

10/31/2024 9:06:39 AM

ARCH E1.30" x 42"

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As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
10/31/24

TELECOM LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
(2) TMGB:1/4"x4"x16" BUSBAR, HARGER GROUND BAR TGBI14416TMGBKT OR EQUAL PROVIDE #3/0 MAIN ELECTRICAL SERVICE GROUND.
(3) TGB:1/4"x4"x12" BUSBAR, HARGER GROUND BAR TGBI14412TMGBKT OR EQUAL PROVIDE #1/0 TO TMGB IN MDF.
(4) (2) 2" EMT CONDUITS FOR VOICE/DATA BACKBONE CABLING.
(5) 2" EMT CONDUIT TO WEATHERHEAD ON ROOF FOR POTENTIAL FUTURE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS) CABLING PATHWAY. REFER TO WEATHERHEAD DETAIL.
(6) HARDLINE PHONE LINE CONNECTION SPECIFIED TO ELEVATOR CONTROL PANEL. ELEVATOR DESIGNER/PROVIDER SHALL VERIFY THAT ALL REQUIREMENTS ARE MET REGARDING THE REQUIRED ELEVATOR CELLULAR EQUIPMENT.

TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO IDF T3A

nspj ARCHITECTS
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LANDSCAPE
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NSPJARCH.COM
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STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010104
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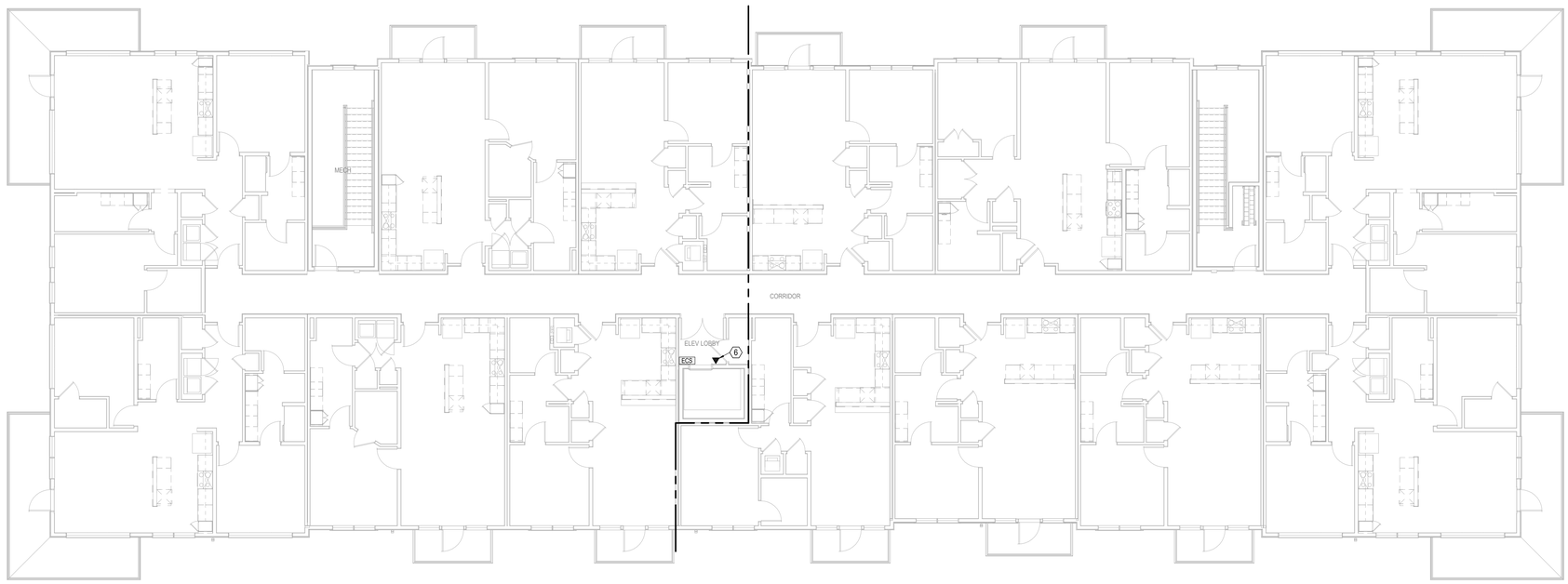

1 BUILDING C - 4TH FLOOR PLAN

TELECOM
1/8" = 1'-0"
(BUILDINGS 2, 4)

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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SHEET NAME
BUILDING C - FOURTH FLOOR PLAN - TELECOM
SHEET NO.
T1.34

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Overland Park, Kansas 66210
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

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ARCH E1.30" x 42"

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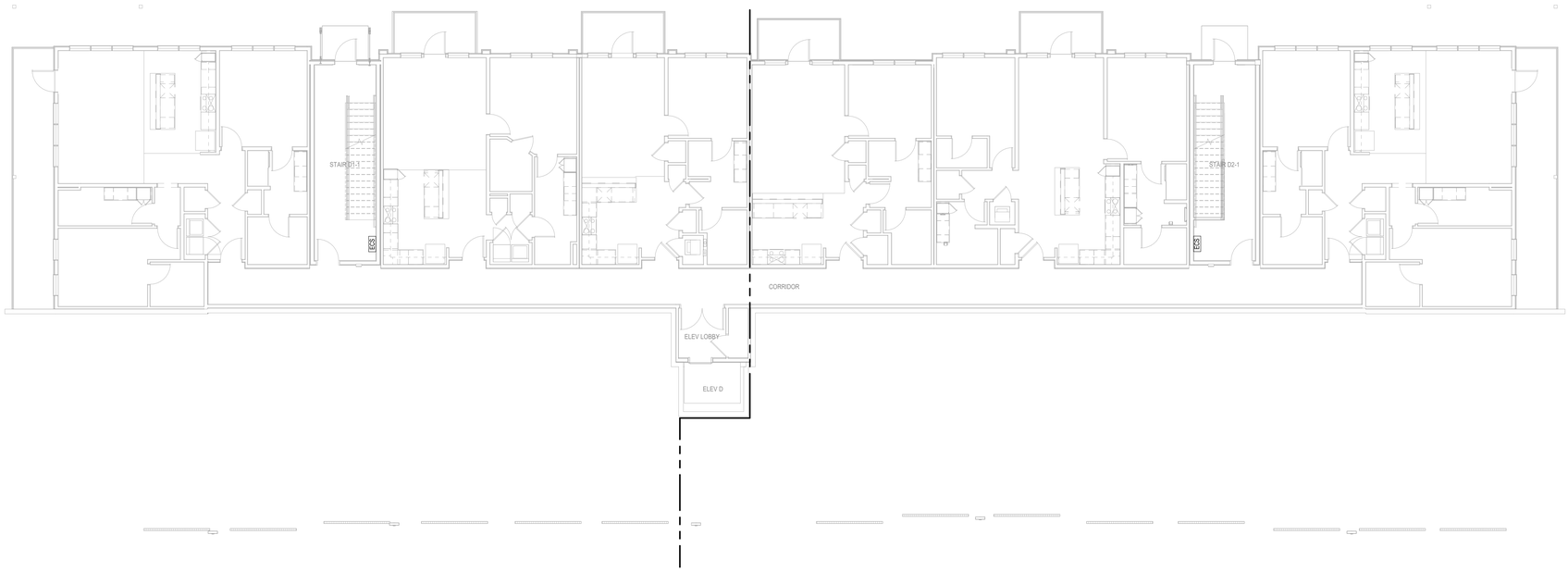
(6) HARDLINE PHONE LINE CONNECTION SPECIFIED TO ELEVATOR CONTROL PANEL. ELEVATOR DESIGNER/PROVIDER SHALL VERIFY THAT ALL REQUIREMENTS ARE MET REGARDING THE REQUIRED ELEVATOR CELLULAR EQUIPMENT.

TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO MDF T1A



1 BUILDING D - BASEMENT FLOOR PLAN
TELECOM
1/8" = 1'-0"

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STATE OF MISSOURI
RICHARD BEARDEN
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER
10/29/2024

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
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SHEET NAME
BUILDING D - BASEMENT FLOOR PLAN - TELECOM
SHEET NO.
T1.40

10/31/2024 9:00:41 AM

ARCH E1.30" x 42"

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Lee's Summit, Missouri
11/12/24

TELECOM LEGEND:
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TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO MDF T1A

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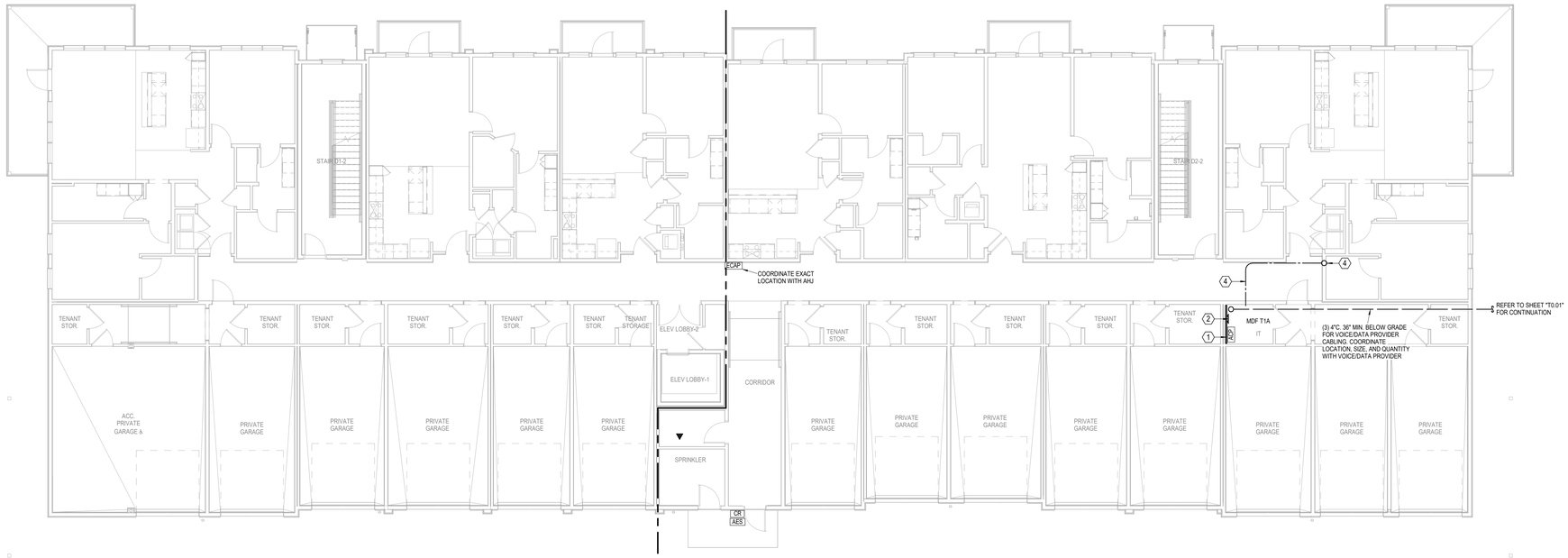
STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010324
PROFESSIONAL ENGINEER
11/12/24

10/29/2024



1 BUILDING D - 1ST FLOOR PLAN

TELECOM
1/8" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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JOB NO. **720522** DATE **09.16.2024**
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LSA PROJECT NO. 2404027

SHEET NAME
BUILDING D - FIRST FLOOR PLAN - TELECOM
SHEET NO.
T1.41

10/31/2024 9:06:43 AM

ARCH E1.30" x 42"

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Development Services Department
Lee's Summit, Missouri
11/1/2024

TELECOM LEGEND:
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TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO MDF T1A

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LANDSCAPE
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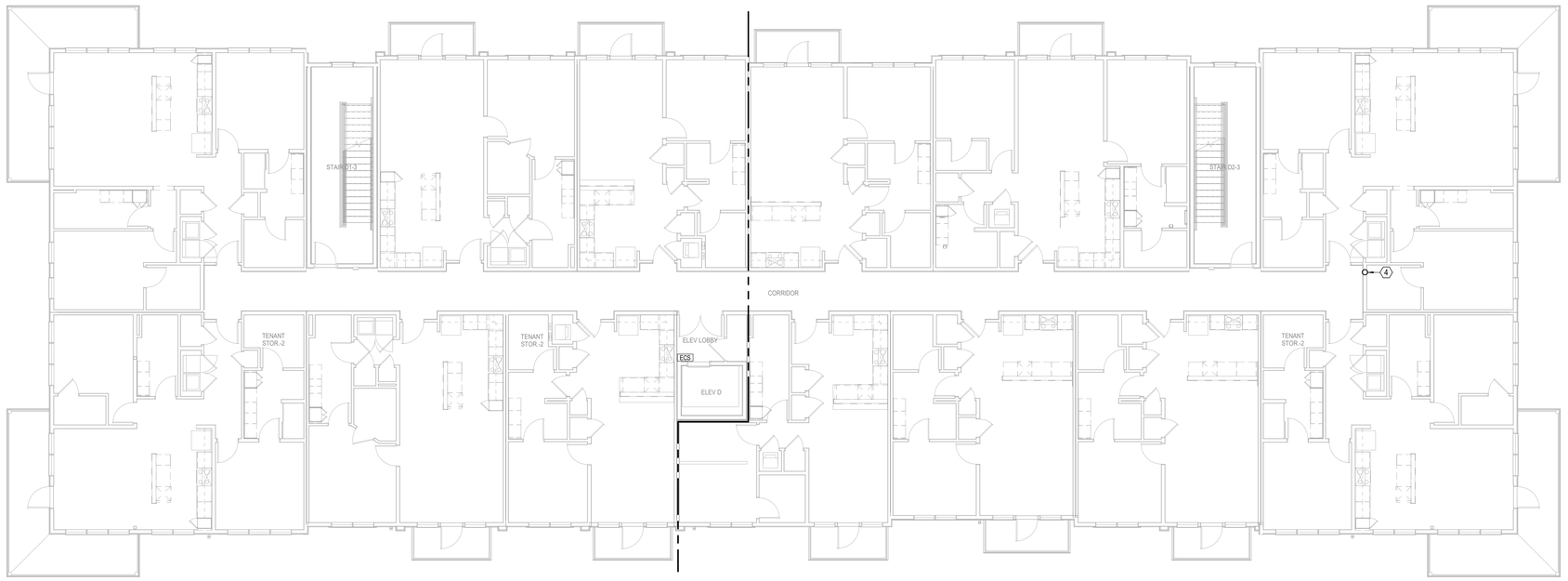
STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009010104
PROFESSIONAL ENGINEER
11-1-24

10/29/2024



1 BUILDING D - 2ND FLOOR PLAN

TELECOM
1/8" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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• 09.16.24 PERMIT SET

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LSA PROJECT NO. 2404027

JOB NO. 720522 DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME BUILDING D - SECOND FLOOR PLAN - TELECOM
SHEET NO. T1.42

10/31/2024 9:06:44 AM

ARCH E1.39" x 42"

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11/1/2024

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TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO IDF T3A

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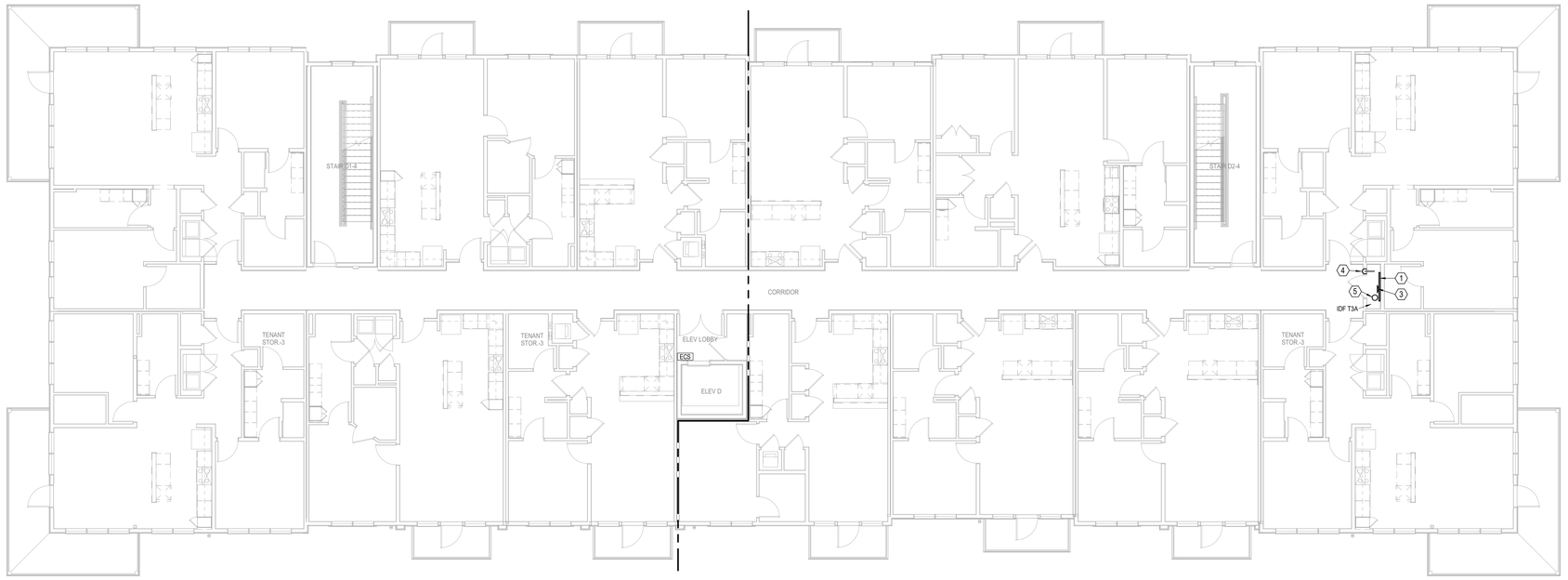
STATE OF MISSOURI
RICHARD BEARD LATIMER
NUMBER PE-2009017024
PROFESSIONAL ENGINEER

10/29/2024



1 BUILDING D - 3RD FLOOR PLAN

TELECOM
1/8" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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DATE 09.16.2024
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SHEET NAME
BUILDING D - THIRD FLOOR PLAN - TELECOM
SHEET NO.
T1.43

10/31/2024 9:06:45 AM

ARCH E1.30" x 42"

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TELECOM NOTES:
1. ROUTE VOICE/DATA CABLING/INFRASTRUCTURE TO IDF T3A

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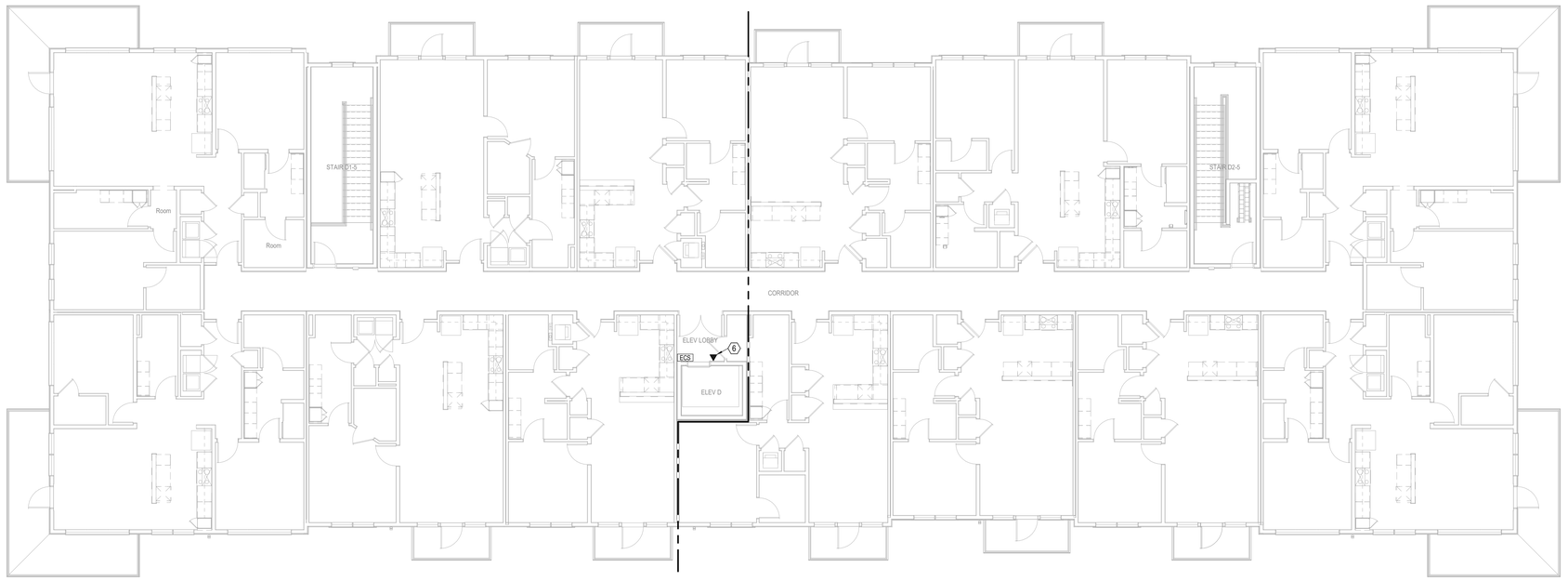
STATE OF MISSOURI
RICHARD BEARDSLEE
NUMBER
PE-2009017024
PROFESSIONAL ENGINEER

10/29/2024



1 BUILDING D - 4TH FLOOR PLAN

TELECOM
1/8" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

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JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
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SHEET NAME BUILDING D - FOURTH FLOOR PLAN - TELECOM
SHEET NO. T1.44

10/31/2024 9:06:47 AM

ARCH E1.30" x 42"

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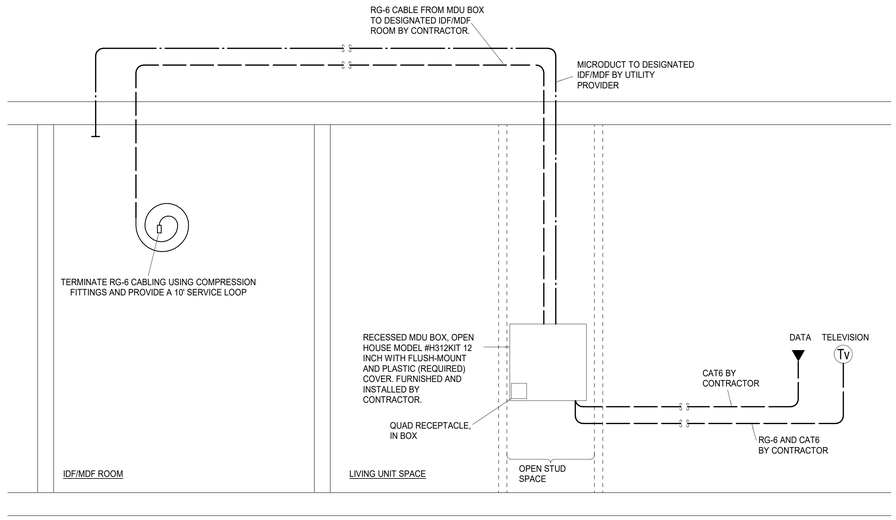
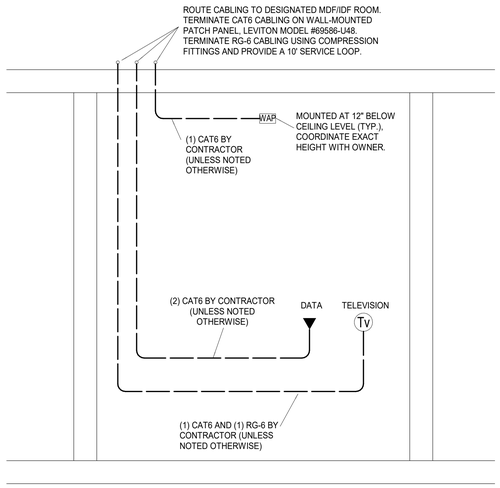
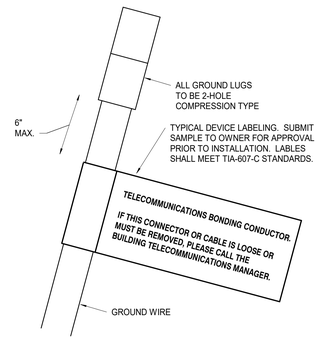
Lee's Summit, Missouri
11/12/24



1 TYPICAL APARTMENT RISER DIAGRAM
NOT TO SCALE



2 TYPICAL COMMON/OFFICE AREA RISER DIAGRAM
NOT TO SCALE



3 GROUND WIRE DETAIL
NOT TO SCALE

DAS
1. DISTRIBUTED ANTENNA SYSTEM: IF BUILDING DOES NOT MEET INTERNATIONAL FIRE CODE (IFC) 510 REQUIREMENTS, CONTRACTOR SHALL INSTALL AND CERTIFY A COMPLIANT IN-BUILDING PUBLIC SAFETY DISTRIBUTED ANTENNA SYSTEM (DAS) ALSO CALLED AN EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS). THE SYSTEM SHALL INCLUDE, BUT NOT LIMITED TO ALL EQUIPMENT, MATERIALS, LABOR, DOCUMENTATION AND SERVICES NECESSARY TO FURNISH AND INSTALL A COMPLETE, OPERATIONAL PUBLIC SAFETY DAS OR ERRCS. ALL WORK TO BE CONDUCTED OR SUPERVISED BY A QUALIFIED SYSTEM INTEGRATOR WITH EXPERIENCE DESIGNING, TESTING, INSTALLING, CERTIFYING AND MAINTAINING EMERGENCY RESPONDER RADIO COVERAGE SYSTEMS. A PRELIMINARY TEST OF EXISTING, UNAMPLIFIED IN-BUILDING RADIO FREQUENCY (RF) SIGNAL COVERAGE SHALL BE CONDUCTED AT 80% CONSTRUCTION COMPLETION PRIOR TO DESIGN AND INSTALLATION OF SYSTEM. TESTING SHALL BE CONDUCTED WITH THE LATEST TEST EQUIPMENT AND ANALYTICS SOFTWARE VERSIONS AVAILABLE. CONTRACTOR SHALL PROVIDE $25,000 ALLOWANCE FOR TESTING AND $100,000 ALLOWANCE FOR SYSTEM INSTALL.

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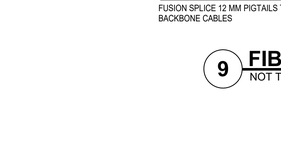

4 SLEEVE/CONDUIT DETAIL
NOT TO SCALE

5 WEATHERHEAD DETAIL
NOT TO SCALE

TWO-WAY COMMUNICATION SYSTEM SCHEDULE				
MARK	MANUFACTURER	MODEL NUMBER	DESCRIPTION	REMARKS
ECAP	RATH	2500-210	EMERGENCY CALL ANNUNCIATOR PANEL	1, 4, 5, 6
ECS	RATH	2100-956SR	EMERGENCY CALL STATION	2, 4, 6

REMARKS:
1 - PROVIDE POWER SUPPLIES AS REQUIRED. PROVIDE WITH STI MODEL #STI-7521 NEMA 4X CLEAR ENCLOSURE WITH THUMB LOCK.
2 - PROVIDE WITH DOUBLE GANG BACKBOX AND STI MODEL #STI-7511E CLEAR ENCLOSURE WITH THUMB LOCK.
3 - VERIFY SIZE OF POWER SUPPLY WITH LAYOUT OF THE SYSTEM.
4 - VERIFY LOCATION WITH AHJ.
5 - PROVIDE 2100-VOIP INTERFACE DEVICE FOR VOIP PHONE SYSTEMS.
6 - EQUIVALENTS BY CORNELL/ALPHA COMMUNICATIONS.

6 TWO-WAY COMMUNICATION DIAGRAM
NOT TO SCALE

CABLE LEGEND:	
1C	PROXIMITY CARD READER (ORANGE) 18GA./6 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
2C	MAGNETIC SWITCH (WHITE) 18GA./2 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
3C	ELECTRIC LOCK (GRAY) 16GA./4 COND. TWISTED OVEERALL SHIELD, RISER RATED CABLE.
4C	REQUEST TO EXIT (BLUE) 18GA./4 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
5C	ELECTRIC LOCK FROM PS TO PUSHBAR 18GA./4 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.

ACCESS CONTROL CABLE SCHEDULE:	
1C 2C 3C 4C	BELDEN MODEL #538AFS
5C	BELDEN MODEL #5302FE

ACCESS CONTROL DEVICE LEGEND:	
ACP	ACCESS CONTROL PANEL
CR	HID CARD READER
REX	REQUEST TO EXIT *
DP	DOOR POSITION SWITCH *
EL	ELECTRIC LOCK (24V. DC) *
PS	POWER SUPPLY (24V. DC) *
ADA	ADA PUSHBUTTON *
DADA	DUAL ADA PUSHBUTTON*
ADAM	ADA MOTORIZED OPERATOR *
VIMS	VIDEO INTERCOM MASTER STATION
VIC	VIDEO INTERCOM

* - INDICATES PROVIDED BY DOOR HARDWARE SUPPLIER. REFER TO DOOR HARDWARE SPECIFICATIONS FOR FURTHER WIRING, POWER, AND PROGRAMMING REQUIREMENTS.

7 TYPICAL ACCESS DOOR DETAIL
NOT TO SCALE

9 FIBER BACKBONE CABLE TERMINATION DETAIL
NOT TO SCALE

8 TYPICAL ACCESS CONTROL PANEL DETAIL
NOT TO SCALE

ACCESS CONTROL CABLE SCHEDULE				
MARK	MANUFACTURER	MODEL/PART NUMBER	DESCRIPTION	REMARKS
1C 2C 3C 4C	BELDEN	538AFS	INSIDE ACCESS CONTROL CABLE (COMBO CABLE)	1
5C	BELDEN	5302UE	ELECTRIC LOCK CABLE 18 GA 4 COND STRANDED	1, 2
6C	CSC	759218	OUTSIDE ACCESS CONTROL CABLE (COMBO CABLE)	1

REMARKS:
1 - PROVIDED AND INSTALLED BY E/C.
2 - E/C TO ROUTE CABLE FROM DEVICE AND LEAVE A 8'-0" SERVICE LOOP AT THE BURGLAR ALARM PANEL. PROVIDE A 24" SERVICE LOOP AT DEVICE. PROVIDE A MECHANICALLY PRINTED LABEL ON EACH END OF EACH CABLE FOR REFERENCE.
3 - PROVIDED AS A PART OF THE DOOR HARDWARE PACKAGE.

SECURITY SCHEDULE				
MARK	MANUFACTURER	MODEL NUMBER	DESCRIPTION	REMARKS
CR	HID	RP40	CARD READER	
ACP	KANTECH	KT400	ACCESS CONTROL PANEL	3
AES	KANTECH	KTES	APARTMENT ENTRY SYSTEM	
	HID		FOBs	1

REMARKS:
1 - VERIFY QUANTITY WITH OWNER.
2 - DOUBLE POLE, DOUBLE THROW FOR ACCESS CONTROL AND BURGLAR ALARM.
3 - PROVIDE QUANTITIES SHOWN ON PLANS.

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET

△ REVISIONS

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2404027

JOB NO. 720522
DATE 09.16.2024
DRAWN BY Author
PERMIT SET
SHEET NAME TELECOM DETAILS
SHEET NO. T2.01

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STATE OF MISSOURI
KATHRYN ROSE
MARTINOVIC
NUMBER
PA-2010019
10-28-2024

EVREN APARTMENTS

A NEW MULTI-FAMILY PROJECT:

LEE'S SUMMIT, MISSOURI

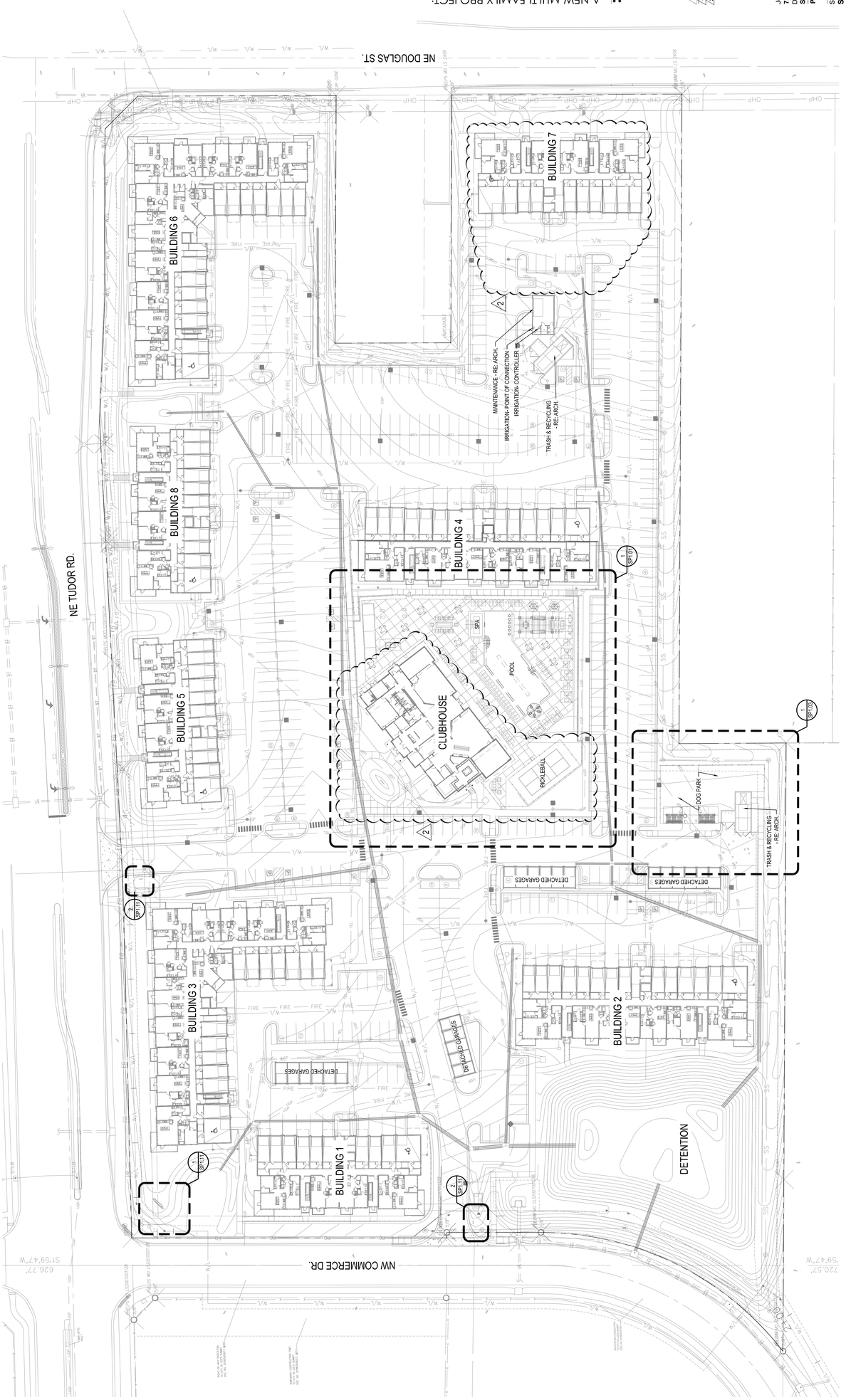
DRAWING RELEASE LOG
• 10.28.24 CITY COMMENTS

REVISIONS
1 09.16.24 FDP COMMENTS 1
2 10.28.24 FDP COMMENTS 2

JOB NO. 720522
DATE 09.16.2024
DRAWN BY SW / MCM
PERMIT SET

SHEET NAME
SITE PLAN

SHEET NO.
SP1.00



SITE PLAN
1" = 40'-0"

30x42 SHEET (Arch E1)

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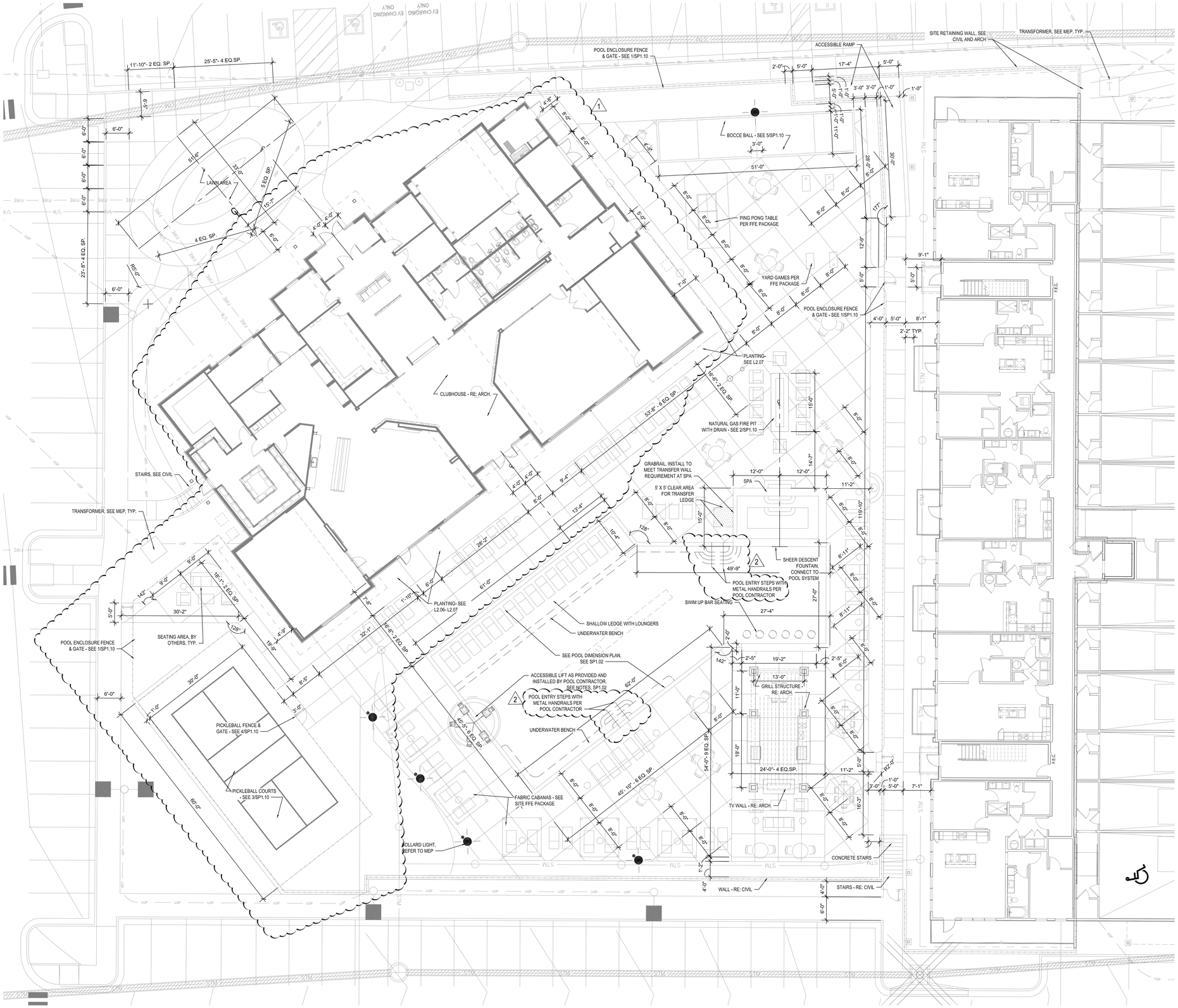

1 AMENITY AREA ENLARGEMENT PLAN

1" = 10'-0"

0' 5' 10' 20'

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET
- 10.28.24 CITY COMMENTS

REVISIONS
- 1 09.13.24 FDP COMMENTS 1
- 2 10.28.24 CITY COMMENTS 1

JOB NO. 720522
DATE 09.16.2024
DRAWN BY SLW / KRM
PERMIT SET

SHEET NAME
AMENITY AREA ENLARGEMENT PLAN
SHEET NO.
SP1.01

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30x42 SHEET (Arch E1)

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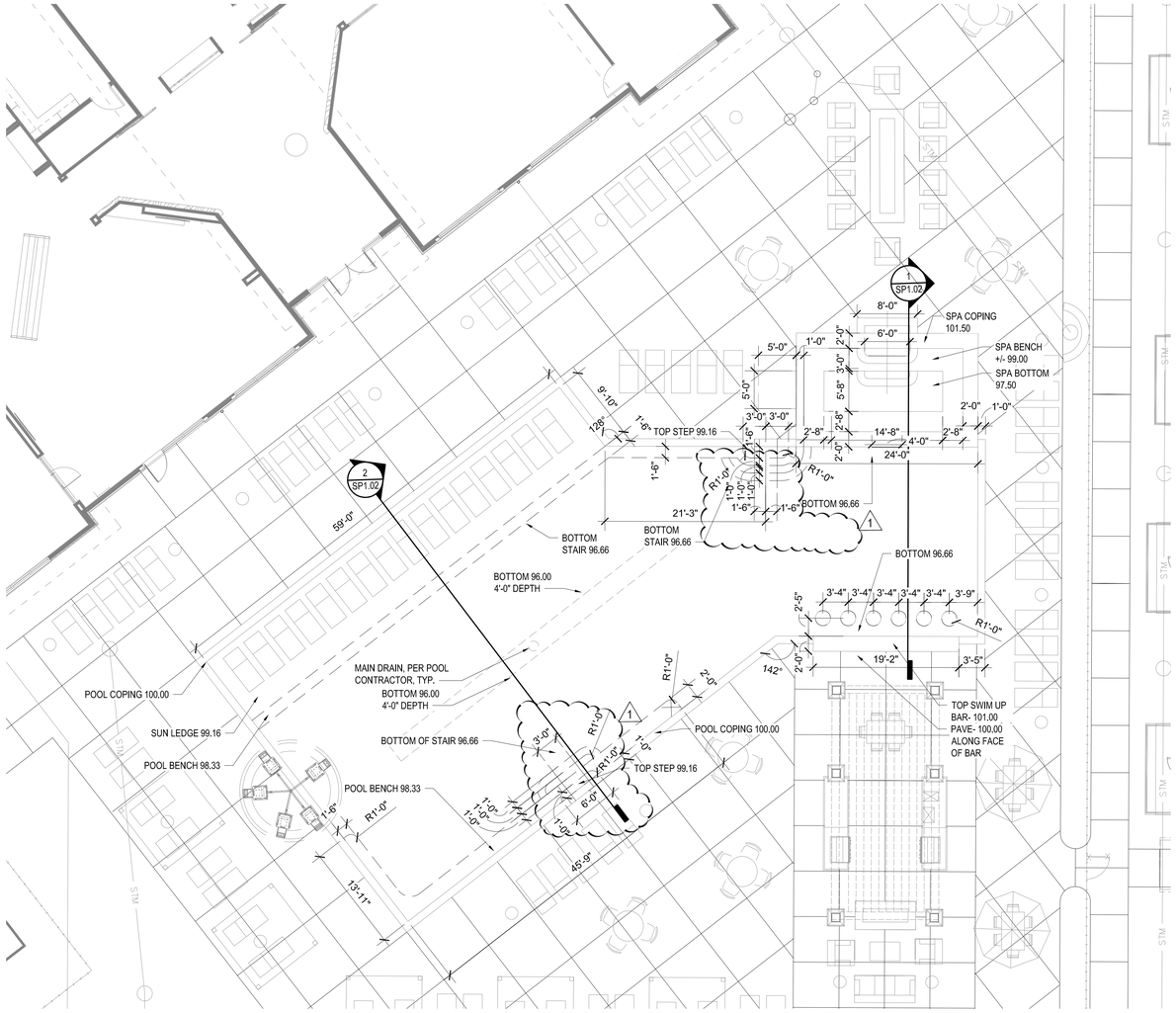
POOL NOTES

1. ALL POOL DRAWINGS AS PART OF THIS PACKAGE ARE TO CONVEY DESIGN INTENT. POOL IS TO BE DESIGN-BUILD AND ALL EQUIPMENT, PLUMBING, STRUCTURAL DETAILS, SAFETY EQUIPMENT, & SIGNAGE ARE TO BE PROVIDED BY THE POOL CONTRACTOR. PROVIDE MATERIAL AND COLOR SAMPLES TO THE LANDSCAPE ARCHITECT/OWNER FOR APPROVAL. ALL PERMITS & APPROVALS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. PROVIDE SALT WATER FILTRATION SYSTEM FOR POOL.
3. ALL POOL LIGHTING TO BE COLOR CHANGING LED & BE CONTROLLABLE BY WIRELESS CONTROLLER.
4. POOL COPING TO BE BULL NOSED CAST STONE OR APPROVED EQUAL. COLOR AS APPROVED BY OWNER.
5. POOL CONTRACTOR TO PROVIDE REMOVABLE SAFETY COVER COMPLYING WITH ASTMF1346 FOR THE POOL.
6. POOL CONTRACTOR TO PROVIDE NO DIVING/DEPTH TILES IN POOL DECK FOR ALL AREAS PER CODE REQUIREMENTS.
7. FINAL SLOPES WITHIN POOL SHELL TO BE DETERMINED BY POOL CONTRACTOR AND MEET ALL APPLICABLE CODES.
8. CORD. BONDING FOR ANY METAL WITHIN 10' OF POOL WITH POOL CONTRACTOR.
9. ALL POOL GATES ARE TO BE SELF-CLOSING & SELF-LATCHING, INCLUDE A CRASH BAR/PANIC HARDWARE ON POOL SIDE OF GATE, AND OPEN AWAY FROM THE POOL. LOCATION, SIZE, AND STYLE OF FENCE AND GATES ARE AS SPECIFIED IN THE PLANS & DETAILS.
10. SLEEVE FOR ADA LIFT SHALL BE PROVIDED BY POOL CONTRACTOR ANCHORED PER MANUF. SPECS. POOL CONTRACTOR TO PROVIDE ACCESSIBLE LIFT.
11. REPORT ANY MISSING INFORMATION AND / OR DISCREPANCIES FOUND WITH REGARD TO EXISTING CONDITIONS OR PROPOSED DESIGN IMMEDIATELY TO THE LANDSCAPE ARCHITECT. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHERE IT IS FOUND THAT KNOWN DISCREPANCIES EXIST. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
12. EMERGENCY PHONE TO BE PROVIDED BY POOL CONTRACTED AND LOCATED PER MEP PLANS, AS APPROVED BY OWNER.



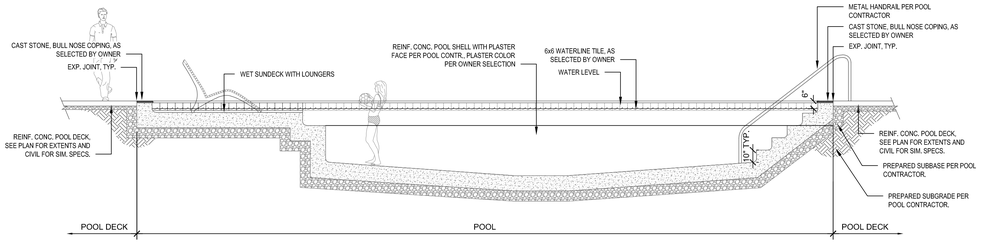
POOL DIMENSION PLAN

1/8" = 1'-0"

0' 5' 10' 20'

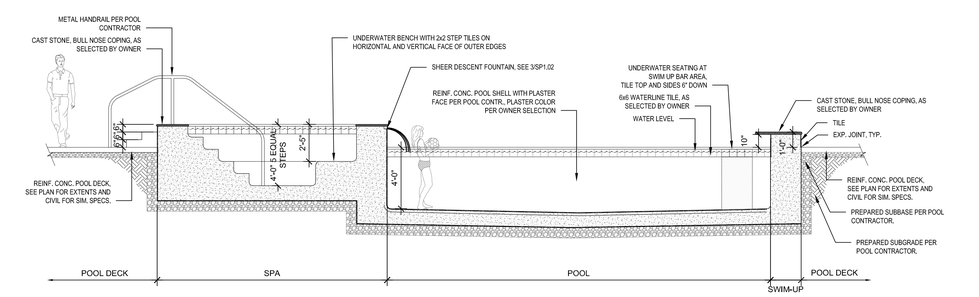
3 SHEER DESCENT FOUNTAIN WITH LIGHTING

NTS



2 POOL SECTION

1/4" = 1'-0"



1 POOL SECTION

1/4" = 1'-0"

A NEW MULTI-FAMILY PROJECT:

EVREN APARTMENTS

LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET
- 10.28.24 CITY COMMENTS

REVISIONS
1 10.28.24 CITY COMMENTS 1

JOB NO. 720522
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SHEET NAME
POOL DIMENSION PLAN & SECTIONS
SHEET NO.
SP1.02

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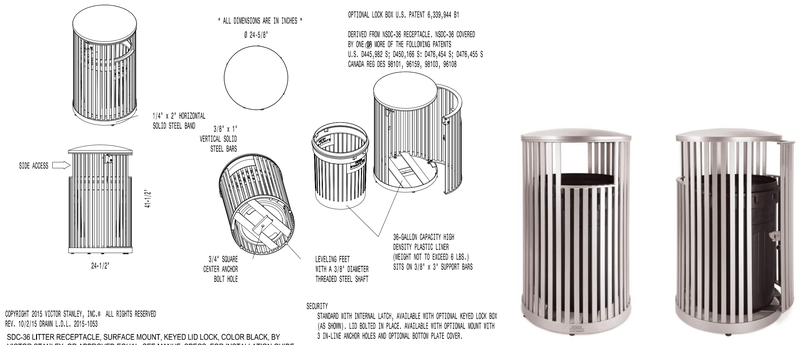
30x42 SHEET (Arch E1)

SITE NOTES

1. UNLESS NOTED OTHERWISE IN THE PLANS & DETAILS, NEAT EXCAVATE ALL FOOTINGS INTO 2000 PSF (MIN.) SOIL (FIELD VERIFY). 3000 PSI CONC. (+/- 4" SLUMP).
2. ALL EXPANSION JOINTS (EJ) TO HAVE SELF LEVELING CAULK OVER FELT TO SEAL - COLOR TO MATCH ADJACENT PAVING.
3. VERIFY ALL STRUCTURAL INFORMATION WITH STRUCTURAL ENGINEER, INCLUDING, BUT NOT LIMITED TO, WOOD MEMBER SIZES, ALL ANCHORING CONDITIONS, AND FOOTING/FOUNDATION SIZE AND REINFORCEMENT.
4. VERIFY ALL NOTED ELEVATIONS AGAINST CIVIL ENGINEER GRADING PLAN.
5. REPORT ANY DISCREPANCIES OR MISSING INFORMATION IMMEDIATELY TO THE LANDSCAPE ARCHITECT. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHERE IT IS FOUND THAT KNOWN DISCREPANCIES EXIST. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
6. ALL WOOD MEMBERS TO BE S4S CEDAR, STAINED PER SPECS., COLOR AS SELECTED BY OWNER



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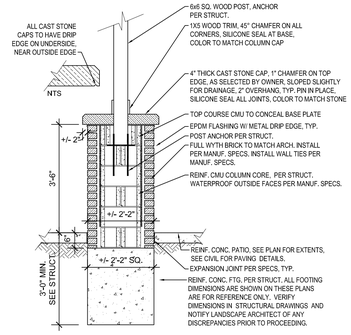
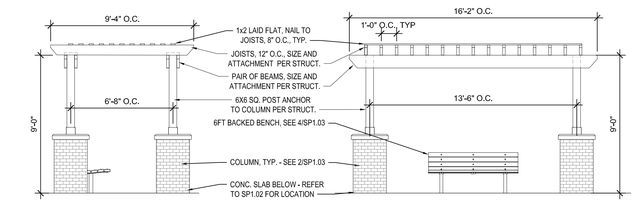
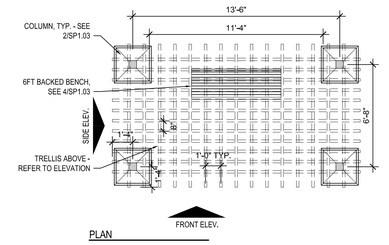
SDC-36 LITTER RECEPTACLE. SURFACE MOUNT, KEYED LID LOCK, COLOR BLACK, BY VICTOR STANLEY, OR APPROVED EQUAL. SEE MANUF. SPECS. FOR INSTALLATION GUIDE. PROVIDED BY CONTRACTOR.

6 TRASH RECEPTACLE
1/2" = 1'-0"

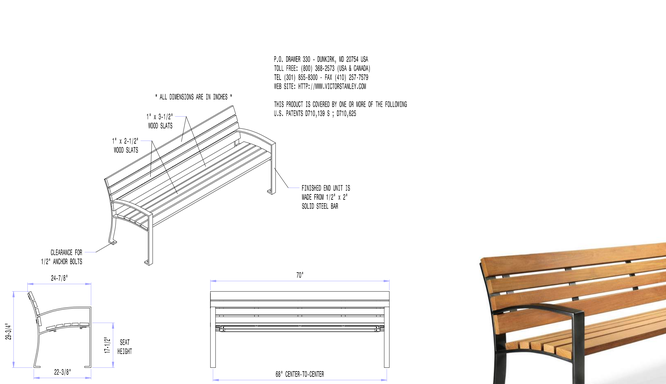


3 COLUMN - SECTION
1/2" = 1'-0"





2 TRELLIS W/ SEATING
1/4" = 1'-0"



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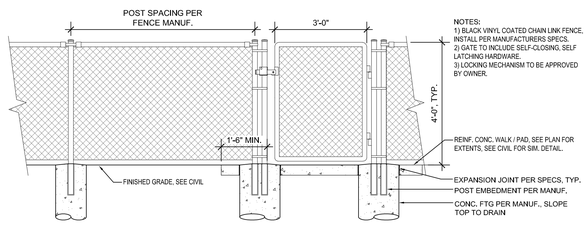
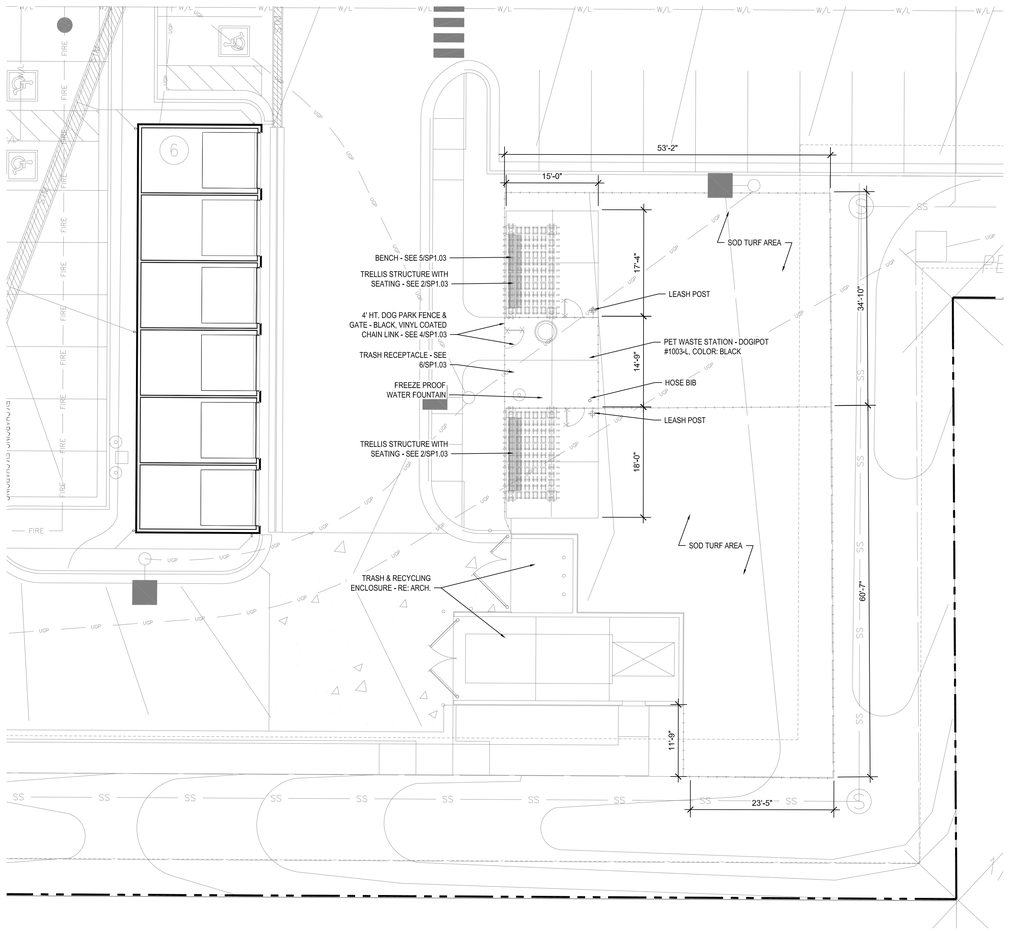
EVA BENCH, (6FT LENGTH, COLOR BLACK, WITH IPE SLATS BY VICTOR STANLEY, SURFACE MOUNT. OR APPROVED EQUAL. SEE MANUF. SPECS. FOR INSTALLATION GUIDE. PROVIDED BY CONTRACTOR.

BACKED

5 SITE BENCH
1/2" = 1'-0"



4 DOG PARK FENCE & GATE
1/2" = 1'-0"



1 DOG PARK ENLARGEMENT
1" =10'-0"

0' 5' 10' 20'

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A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET
- 10.28.24 CITY COMMENTS

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1 10.28.24 PDP COMMENTS 2

JOB NO. 720522
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SHEET NAME
ENLARGEMENT PLAN

SHEET NO.
SP1.03

10/3/2022 2:48:43 PM

30x42 SHEET (Arch E1)

SITE NOTES

1. UNLESS NOTED OTHERWISE IN THE PLANS & DETAILS, NEAT EXCAVATE ALL FOOTINGS INTO 2000 PSF (MIN.) SOIL (FIELD VERIFY). 3000 PSI CONC. (+/- 4" SLUMP).
2. ALL EXPANSION JOINTS (EJ) TO HAVE SELF LEVELING CAULK OVER FELT TO SEAL - COLOR TO MATCH ADJACENT PAVING.
3. VERIFY ALL STRUCTURAL INFORMATION WITH STRUCTURAL ENGINEER, INCLUDING, BUT NOT LIMITED TO, WOOD MEMBER SIZES, ALL ANCHORING CONDITIONS, AND FOOTING/FOUNDATION SIZE AND REINFORCEMENT.
4. VERIFY ALL NOTED ELEVATIONS AGAINST CIVIL ENGINEER GRADING PLAN.
5. REPORT ANY DISCREPANCIES OR MISSING INFORMATION IMMEDIATELY TO THE LANDSCAPE ARCHITECT. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHERE IT IS FOUND THAT KNOWN DISCREPANCIES EXIST. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
6. ALL WOOD MEMBERS TO BE S4S CEDAR, STAINED PER SPECS., COLOR AS SELECTED BY OWNER

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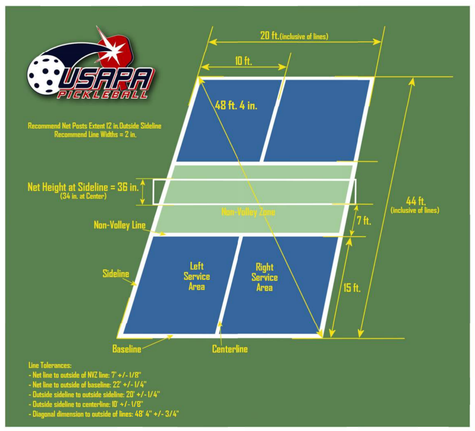
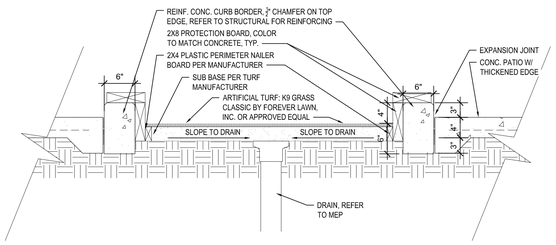
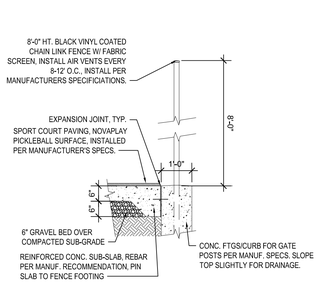


7 PICKLEBALL STRIPING DETAIL
NTS



5 BOCCE BALL
1" = 1'-0"



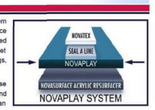
4 PICKLEBALL COURT W/ FENCE
1/2" = 1'-0"

NOVAPLAY 20

NOVAPLAY is a high performance, heavy duty, color coating system for pavements that are subjected to more wear than tennis courts. The appearance of Novaplay is very similar to that of a tennis court surface, however, it is formulated with a tougher acrylic emulsion so as to be able to stand up to abuse from street shoes, roller skates, skateboards, vehicular traffic and objects such as furniture legs, etc.

This textured, non-skid, heavy duty surface coating is ideally suited for use on basketball courts, playgrounds, walkways, wheelchair and handicap ramps, and all other pavements where there is a need for an attractive color surface that can stand up to a lot of abuse.

Novaplay is available in all the standard Novacrylic colors. We recommend two coats of undiluted Novaplay for maximum performance and best appearance.

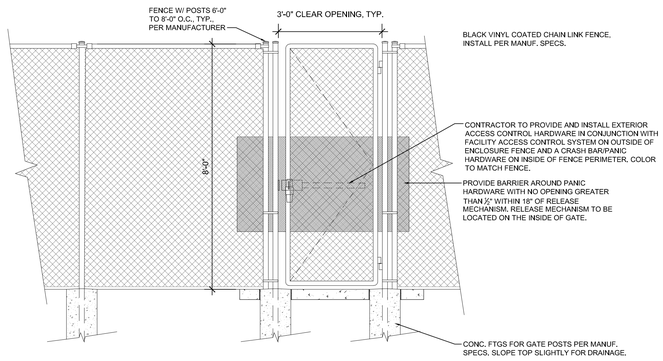


DILUTION	Use NOVAPLAY undiluted
SPREADING RATE	0.064 - 0.069 gallons per sq. yd., per coat 130 - 140 sq. ft. per gallon per coat
COLOR	Black, Blue, Brown, Burgundy, Classic Green, Grass Green, Grey, Nova Green, Red, Sand Dune, Stadium Blue, Terra Cotta
PACKAGED QUANTITY	5 gallon pail or 30 gallon drum
WEIGHT	14 lbs per gallon

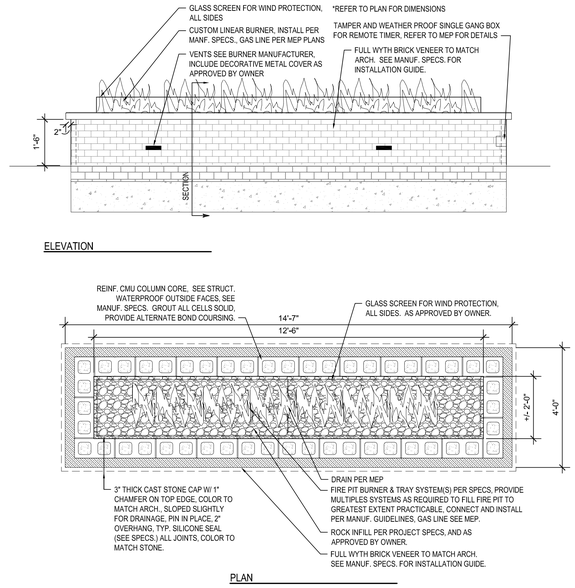
Minimum Application Temperature is 50°F and rising.
Application is with a neoprene rubber squeegee as described on page 7.
NOVAPLAY is not hazardous* and is free of lead, mercury, asbestos and formaldehyde.

COLOR TO BE SELECTED BY OWNER

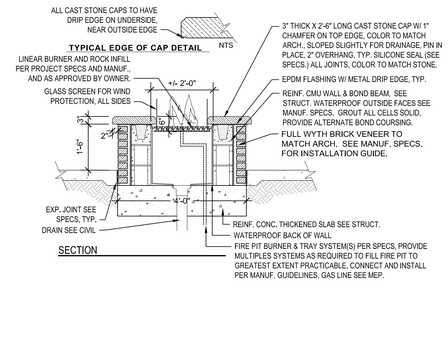
6 PICKLEBALL COURT PAVING DETAIL
NTS



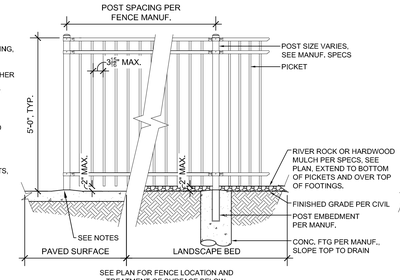
3 PICKLEBALL FENCE & GATE
1/2" = 1'-0"

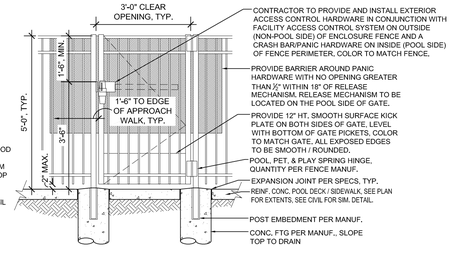


2 FIRE PIT
1/2" = 1'-0"



NOTES:
1) AMERISTAR ECHELON PLUS, 3 RAIL MAJESTIC GATE & FENCE, OR APPROVED EQUAL, GATE IS TO BE SELF-CLOSING, SELF-LATCHING, COLOR: BLACK
2) CONTRACTOR TO PROVIDE AND INSTALL IMPACT REDUCING HINGE/CLOSER IN CONJUNCTION WITH ALL OTHER GATE HARDWARE. THIS HINGE/CLOSER SHOULD BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
3) PROVIDE WALL MOUNT BRACKETS WHERE FENCE ATTACHES TO BUILDING COLUMNS AND/OR WALLS.
4) WHERE POSTS ARE LOCATED ON PAVED SURFACE AND NOT EMBEDDED IN A FOOTING, PAVEMENT SHOULD BE CROWNED SLIGHTLY AT EACH POST FOR DRAINAGE. SURFACE MOUNT HARDWARE TO BE PROVIDED AND INSTALLED PER MANUF. SPECS. CONTRACTOR ALSO TO PROVIDE SAFETY CAPS FOR ALL EXPOSED BOLTS OR NUTS, AND ALL EXPOSED SHARP EDGES SHOULD BE GROUND SMOOTH REPAINTED TO MATCH.





1 POOL ENCLOSURE FENCE & GATE
1/2" = 1'-0"

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 10.15.24 PERMIT SET
- 10.28.24 CITY COMMENTS

REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY SLW / KRM
PERMIT SET

SHEET NAME
SITE DETAILS

SHEET NO.
SP1.10

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30x42 SHEET (Arch E1)

SITE NOTES

1. UNLESS NOTED OTHERWISE IN THE PLANS & DETAILS, NEAT EXCAVATE ALL FOOTINGS INTO 2000 PSF (MIN.) SOIL (FIELD VERIFY). 3000 PSI CONC. (+/- 4" SLUMP).
2. ALL EXPANSION JOINTS (EJ) TO HAVE SELF LEVELING CAULK OVER FELT TO SEAL - COLOR TO MATCH ADJACENT PAVING.
3. VERIFY ALL STRUCTURAL INFORMATION WITH STRUCTURAL ENGINEER, INCLUDING, BUT NOT LIMITED TO, WOOD MEMBER SIZES, ALL ANCHORING CONDITIONS, AND FOOTING/FOUNDATION SIZE AND REINFORCEMENT.
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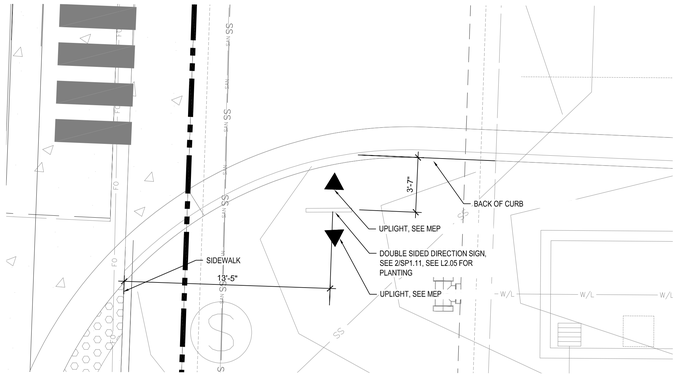
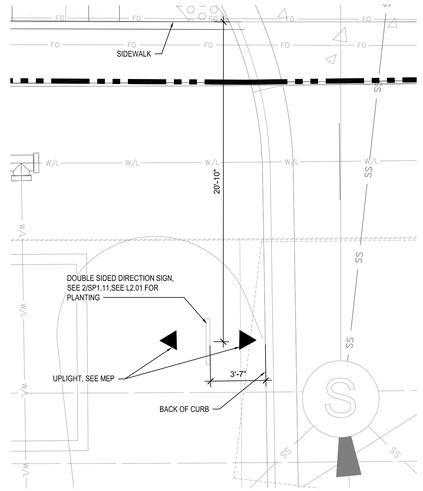
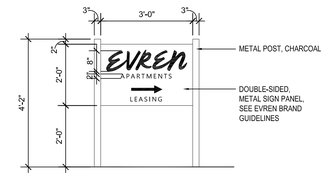
6. ALL WOOD MEMBERS TO BE S4S CEDAR, STAINED PER SPECS., COLOR AS SELECTED BY OWNER



4 DIRECTION SIGNAGE PLAN- NW COMMERCE
1/4" = 1'-0"

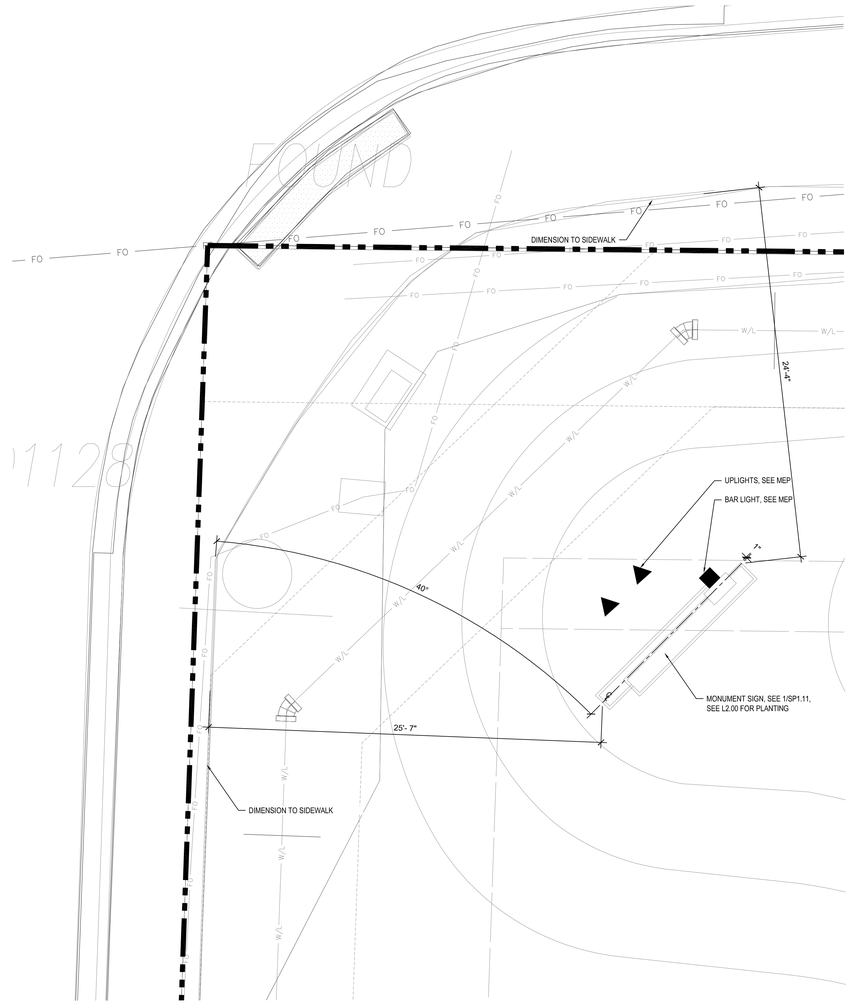


3 DIRECTION SIGNAGE PLAN- NE TUDOR
1/4" = 1'-0"

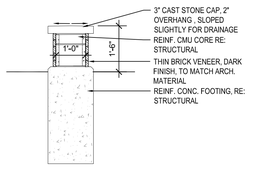


FRONT ELEVATION

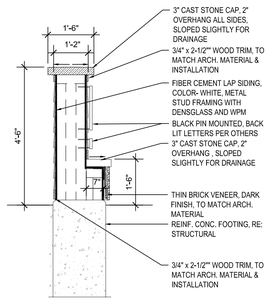
2 DIRECTION SIGNAGE
1/2" = 1'-0"



5 MONUMENT SIGN PLAN- NW CORNER
1/4" = 1'-0"



SECTION C



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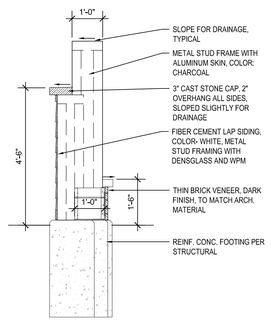

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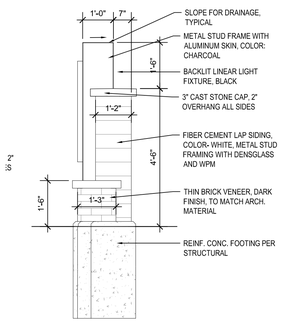
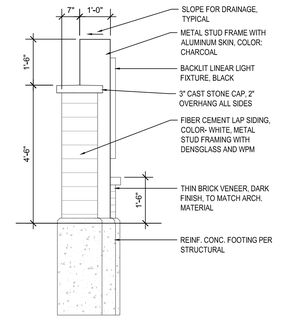
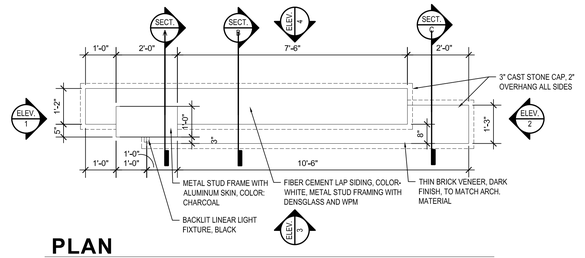


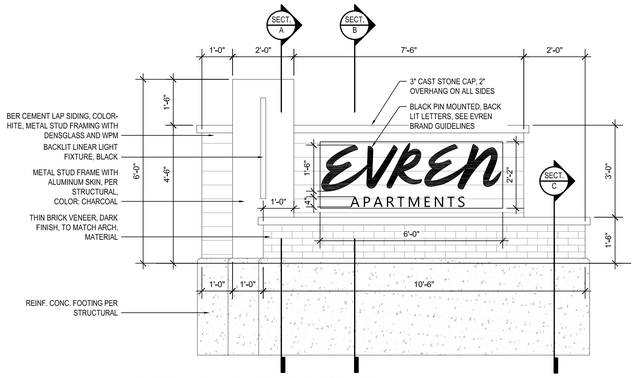
SIDE- ELEVATION 2



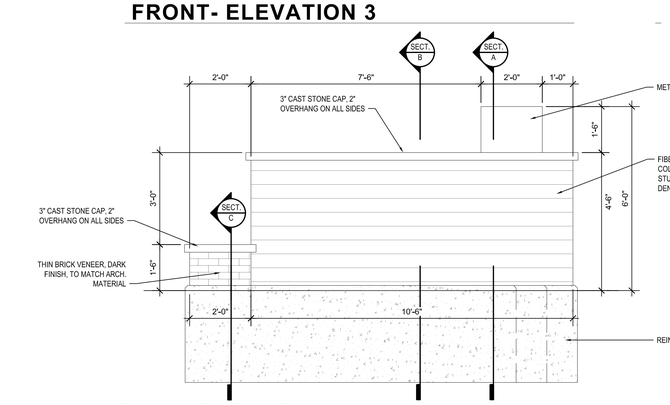
SIDE- ELEVATION 1



PLAN



FRONT- ELEVATION 3



BACK- ELEVATION 4

1 MONUMENT SIGN
1/2" = 1'-0"

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
11/18/24

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STATE OF MISSOURI · KATHRYN ROSE MASTERSON · NUMBER PA-2017102536 · PROFESSIONAL ENGINEER
11.18.24

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 05.15.24 PERMIT SET
- 10.28.24 CITY COMMENTS

△ REVISIONS

JOB NO. 720522
DATE 09.16.2024
DRAWN BY SLW / KRM
PERMIT SET

SHEET NAME
SITE DETAILS

SHEET NO.
SP1.11

10/3/2022 2:48:43 PM

30x42 SHEET (Arch E1)

RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
11/18/2024

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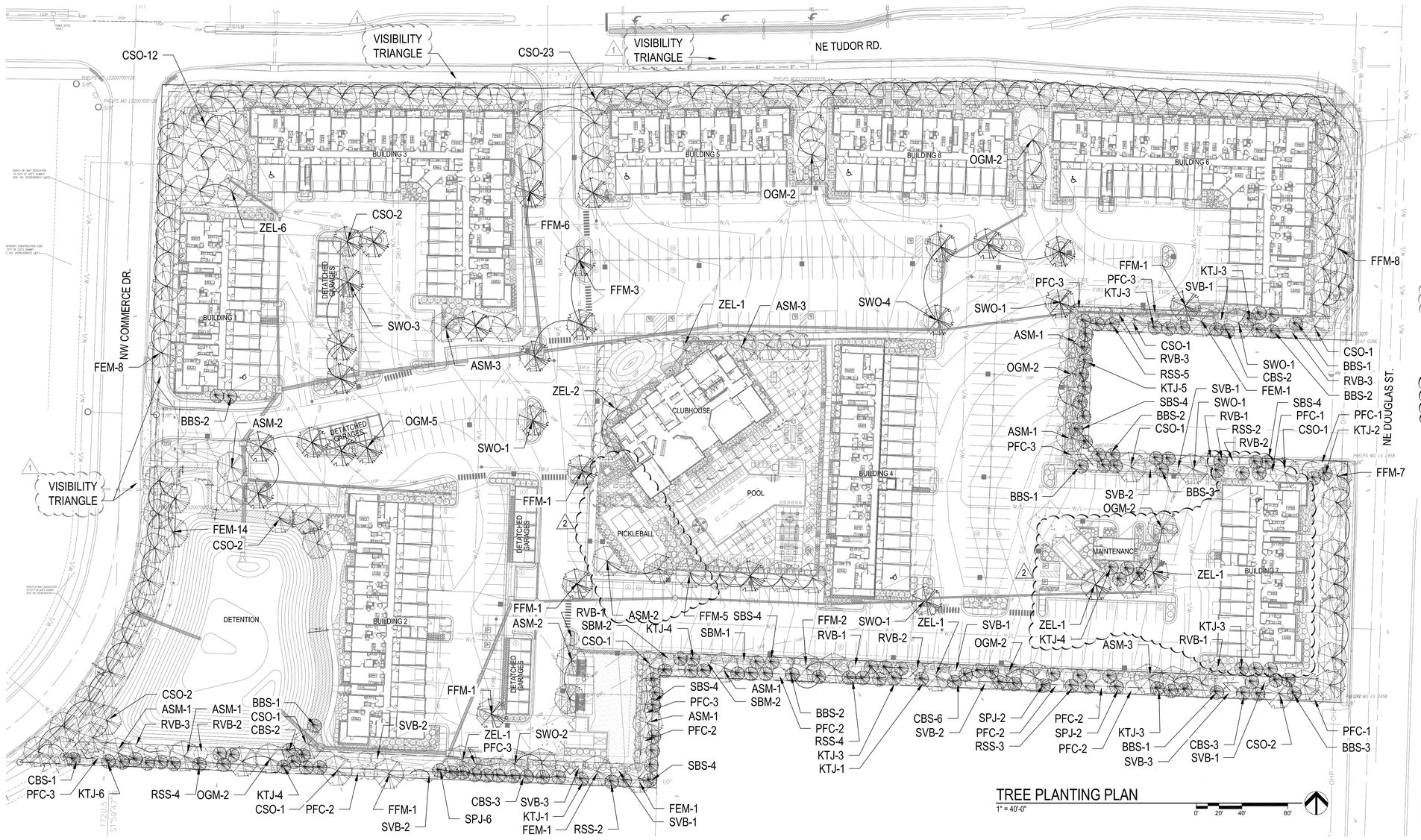

TREE PLANTING PLAN

1" = 40'-0"

0' 20' 40' 80'

LAWN- SOLID SOD

LANDSCAPE REQUIREMENTS (LEE'S SUMMIT):

STREET FRONTAGE TREES (SECTION 8.790.A.1): 1 TREE PER 30 L.F.

	REQUIRED:	PROVIDED:
NE DOUGLAS AVE. = 425 LF /30 =	14	14
TUDOR ROAD = 1,047 LF /30 =	35	35
COMMERCE = 630 LF /30 =	21	21

MINIMUM 20' LANDSCAPE STRIP SHALL BE PROVIDED ALONG THE FULL LENGTH OF ANY STREET FRONTAGE

STREET FRONTAGE SHRUBS (SECTION 8.790A.3)
ONE SHRUB SHALL BE PROVIDED FOR EACH 20 FEET OF STREET FRONTAGE.

	REQUIRED:	PROVIDED:
NE DOUGLAS AVE. = 425 LF /20 =	21	21 +
TUDOR ROAD = 1,047 LF /20 =	52	52 +
COMMERCE = 630 LF /20 =	32	32 +

OPEN YARD SHRUB REQUIREMENT (SECTION 8.790.B.1)
THE MINIMUM OF 2 SHRUBS PER 5,000 SF OF TOTAL LOT AREA MINUS BUILDING FOOTPRINT

	REQUIRED:	PROVIDED:
LOT AREA (570,200 SITE SF- 134,070 BUILDINGS/ STRUCTURES SF= 436,130 SF /5,000SF) X 2	174	174 +

1

GROUNDCOVER (SECTION 8.790.B.2)
OPEN AREAS NOT COVERED WITH OTHER MATERIALS SHALL BE COVERED IN SOD.

OPEN YARD TREE REQUIREMENT (SECTION 8.790.B.3)
THE MINIMUM OF 1 TREE PER 5,000 SF OF TOTAL LANDSCAPED OPEN SPACE

	REQUIRED:	PROVIDED:
LOT AREA (570,200 SITE SF- 134,070 BUILDINGS/ STRUCTURES SF- 11,383 SF PARKING ISLANDS 138,780 SF PARKING (270 SF X 514)= 285,967 SF /5,000SF) X 1	57	57 +

2

TRASH ENCLOSURES (SECTION 8.790.C.)
A DETAILED DRAWING OF THE ENCLOSURE AND SCREENING METHODS TO BE USED IN CONNECTION WITH THE TRASH STORAGE CONTAINERS ON THE PROPERTY SHALL BE INCLUDED WITH THE LANDSCAPING PLANS. SEE A8.30 AND L2.12 & L2.14

PARKING LOT LANDSCAPE ISLANDS (SECTION 8.810.A.)
LANDSCAPE ISLANDS, STRIPS OR OTHER PLANTING AREAS SHALL BE LOCATED WITHIN THE PARKING LOT AND SHALL CONSTITUTE AT LEAST 5% OF THE ENTIRE AREA DEVOTED TO PARKING SPACES, AISLES AND DRIVEWAYS.

	REQUIRED:	PROVIDED:
PARKING LOT AREA 227,669 SF X 5%	11,383 SF	11,383 + SF

LANDSCAPE ISLAND PLACEMENT (SECTION 8.810.B)
A LANDSCAPING ISLAND SHALL BE LOCATED AT THE END OF EVERY PARKING BAY BETWEEN THE LAST PARKING SPACE AND AN ADJACENT TRAVEL AISLE OR DRIVEWAY. THE ISLAND SHALL BE NO LESS THAN 9 FEET WIDE FOR AT LEAST ONE-HALF THE LENGTH OF THE ADJACENT PARKING SPACE. THE ISLAND SHALL BE PLANTED IN TREES, SHRUBS, GRASS AND GROUNDCOVER, EXCEPT FOR THOSE AREAS THAT ARE MULCHED.

ISLAND WIDTH (SECTION 8.810.C.)
TREE PLANTING SHALL BE NO LESS THAN 10 FEET IN WIDTH. NO TREE SHALL BE LOCATED LESS THAN 4 FEET FROM THE BACK OF CURB. ALL PARKING LOT LANDSCAPE ISLANDS, STRIPS OR OTHER PLANTING AREAS SHALL BE CURBED WITH MINIMUM 6 INCH HIGH CURBS.

BUFFER/SCREEN REQUIREMENTS (SECTION 8.870
BUFFER/SCREEN BETWEEN DEVELOPMENTS OF DIFFERING LAND USES ADJOINING ONE ANOTHER OR SEPARATED FROM ONE ANOTHER BY ONLY A STREET OR ALLEY SHALL COMPLY WITH TABLE 8.890 TYPICAL BUFFERS.

ZONING RP-4 ADJACENT TO ZONING PO- MEDIUM BUFFER, SCREEN TYPE B

	REQUIRED	PROVIDED
SHADE TREES 1/1000 SF X 35,186 SF	35	35
ORNAMENTAL TREES 1/500 SF X 35,186 SF	71	71
EVERGREEN TREES 1/300 SF X 35,186 SF	117	117
SHRUBS 1/200 SF X 35,166 SF (SEE L2.00-L2.15)	176	176

GENERAL NOTES:

1. EACH BIDDER SHALL VISIT THE SITE OF THE PROPOSED WORK AND EXAMINE THE SITE CONDITIONS. HE SHALL ALSO CAREFULLY EXAMINE THE DRAWINGS FOR THE PROPOSED WORK AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS, WHICH MAY AFFECT THE PROPOSED WORK.

2. THE PLANTING PLAN GRAPHICALLY ILLUSTRATES OVERALL PLANT MASSINGS. EACH PLANT SPECIES MASSING SHALL BE PLACED IN THE FIELD TO UTILIZE GREATEST COVERAGE OF GROUND PLANE. THE FOLLOWING APPLIES FOR INDIVIDUAL PLANTINGS:
   A. CREEPING GROUNDCOVER SHALL BE A MINIMUM OF 6" FROM PAVING EDGE,
   B. ALL TREES SHALL BE A MINIMUM OF 3' FROM PAVING EDGE,
   C. ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED APART AND PLACED FOR BEST AESTHETIC VIEWING,
   D. ALL SHRUBS SHALL BE A MINIMUM OF 2' FROM PAVED EDGE.

3. NOTIFY LANDSCAPE ARCHITECT 1 WEEK PRIOR TO ANTICIPATED START OF PLANT MATERIAL INSTALLATION. LANDSCAPE CONTRACTOR SHALL STAKE ALL PROPOSED PLANTING BED EDGES, SET OUT SHRUBS IN INTENDED LOCATIONS, AND STAKE TREE LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

4. ALL NEW PLANT BED AREAS TO BE IRRIGATED. REFER TO SPECIFICATIONS FOR IRRIGATION SYSTEM DESCRIPTION.

5. REFER TO L1.00 SERIES SHEETS FOR TREE PLANTINGS.

6. REFER TO L2.00 SERIES SHEETS FOR SHRUB PLANTINGS & ROCK MATERIALS.

7. REFER TO L3.00 SERIES SHEETS FOR PLANTING DETAILS & SPECIFICATIONS.

8. REFER TO L4.00 SERIES SHEETS FOR BMP/CONSERVATION EASEMENT NATIVE PLANTINGS & LIMITS OF IRRIGATION.

9. IN THE EVENT OF WORK IN OR ON THE JCW SANITARY MAIN, ANY TREES OR PLANTINGS PLACED WITHIN THE SEWER EASEMENT MAY BE REMOVED WITHOUT REPLACEMENT OR COMPENSATION THERE OF AND SHALL BE REPLACED BY THE PROPERTY OWNER AS REQUIRED BY THE CITY.

2

10. STRIP TOP SOIL & SAVE FOR PLANTING AREAS. REFER TO L3.00 FOR PLANTING SOIL MIX.

11. STEPPING STONES SHALL BE HICKORY GREY FLAGSTONE AS PROVIDED BY SEMCO MATERIALS OR APPROVED EQUAL. 24" SQ, MIN. SIZE, 2-3" THICK.

12. ROCK BEDS SHALL BE SALT & PEPPER COBBLES, 5"-10" SIZE, BY SEMCO DISTRIBUTORS OR APPROVED EQUAL. ALL ROCK BED AREAS SHALL HAVE FILTER FABRIC & BE 4" MIN. DEPTH.

PLANT LIST:

Code	Common Name	Botanical Name	Size	Note
Overstory Trees				
ASM	Armstrong Maple	Acer freemani 'Armstrong'	2.5" Cal.	B&B
CSO	Crimson Spire Oak	Quercus robur x alba 'Crimschmidt'	2.5" Cal.	B&B
FFM	Fall Fiesta Sugar Maple	Acer saccharum 'Fall Fiesta'	2.5" Cal.	B&B
FEM	Frontier Elm	Ulmus carpinifolia x parvifolia 'Frontier'	2.5" Cal.	B&B
OGM	October Glory Red Maple	Acer rubrum 'October Glory'	2.5" Cal.	B&B
SWO	Swamp White Oak	Quercus bicolor	2.5" Cal.	B&B
ZEL	Zelkova	Zelkova serrata 'Green Vase'	2.5" Cal.	B&B
Evergreen Trees				
BBS	Bacheri Blue Spruce	Picea pungens 'Bacheri'	8' Ht. Min.	B&B
CBS	Colorado Blue Spruce	Picea pungens	8' Ht. Min.	B&B
KTJ	Keteleeri Juniper	Juniperus chinensis 'Keteleen'	8' Ht. Min.	B&B
RSS	Riverside Spruce	Picea omorika 'Riverside'	8' Ht. Min.	B&B
SBS	Serbian Spruce	Picea omorika	8' Ht. Min.	B&B
SPJ	Spartan Juniper	Juniperus chinensis 'Spartan'	8' Ht. Min.	B&B
Ornamental Trees				
PFC	Prairiefire Crabapple	Malus x 'Prairifire'	1.5" Cal.	B&B
RVB	Riverbirch	Betula nigra	1.5" Cal.	B&B
SBM	Sweetbay Magnolia	Magnolia virginiana	1.5" Cal.	B&B
SVB	Serviceberry (Multi-Stem)	Amelanchier grandiflora 'Autumn Brilliance'	1.5" Cal.	B&B

NATIVE SEED PLANT LIST:

Maintenance Strip	
Common Name	**Botanical Name**
Buffalo Grass	Buchloe dactyloides

Prairie Panorama Native Seed Mix by CritSite		
Common Name	**Botanical Name**	% of Bulk
Little Bluestem	Schizachyrium scoparium	24
Canada Wild Rye	Elymus canadensis	17
Sideoats Grama	Bouteloua curtipendula	24
Indiangrass	Sorghastrum nutans	17
Black-Eyed Susan	Rudbeckia hirta	6
Purple Coneflower	Echinacea purpurea	6
Lance Leaf Coreopsis	Coreopsis lanceolata	6
Agropyron x Triticum	Regreen sterile wheat cover cop 30 bulk lbs / acre Mycorrhizal inoculant: GroLife will be applied at 40 lbs / acre	

NATIVE AREA NOTES:
1. AN APPROVED EQUAL MAY BE SUBMITTED BY CONTRACTOR FOR APPROVAL.
2. CONTRACTOR TO CONTACT CITY OF LEE'S SUMMIT STORMWATER SPECIALIST TO COORDINATE STORMWATER BMP INSPECTIONS.

NATIVE AREA
ESTABLISHMENT AND MAINTENANCE INSTRUCTIONS:

NATIVE PLANTINGS AND WATER QUALITY COLLECTION AREAS REQUIRE MONITORING AND MAINTENANCE TO INSURE THEY REMAIN EFFECTIVE AND HAVE A NICE APPEARANCE. UTILIZE THE MARC BMP MANUAL TO SERVE AS AN ONGOING GUIDE TO KEEP NATIVE AREAS EFFECTIVE IN SERVING THEIR WATER QUALITY FUNCTION AND MAINTAINING AN ACCEPTABLE APPEARANCE.

ESTABLISHMENT (1-3 YEARS)

PLANT MATERIAL
1. PLANTS SHALL BE OBTAINED FROM A COMMERCIAL SOURCE NORMALLY DEALING IN NATIVE PLANT MATERIAL.
2. ALL SPECIES SHALL BE SUPPLIED AS PURE LIVE SEED. THE SEED NATIVE TO EASTERN KANSAS OR WESTERN MISSOURI WILL BE FROM A SUPPLIER WITHIN 100 MILE RADIUS OF THE SITE.

SEEDING RATES
1. NATIVE SEED MIX IS TO BE SPREAD AT A MINIMUM RATE OF 22 LBS / ACRE FOR BROADCAST APPLICATIONS OR 15 LBS / ACRE FOR NATIVE SEED DRILL APPLICATIONS, HIGHER SEEDING RATES WILL HELP CONTROL WEED INTRUSION.
2. BUFFALO GRASS AREA FOR MAINTENANCE STRIP IS TO BE SEEDED AT A RATE OF 2-3 LBS / 1000 SF.
3. WINTERSTRAW™ EROSION CONTROL BLANKET BY CRITSITE (OR APPROVED EQUAL) TO BE USED FOR EROSION CONTROL IN NATIVE SEED AREA. ANY STRAW, HAY, OR CURLEX BLANKET USED USED MUST BE CLEAN AND SEED-FREE. IF HAY OR STRAW IS USED, IT MUST BE CRIMPED IN.
4. ALL LEGUMES WILL BE INOCULATED WITH RHIZOBIA AT THE PROPER TIME BEFORE PLANTING.
5. SEEDING CAN BE DONE BETWEEN THE MONTHS OF NOVEMBER AND JULY. DO NOT SEED AFTER JULY15TH.
6. SEED CAN BE APPLIED WITH A DRILL, NO-TILL PLANTER, BROADCAST SPREADER, HAND BROADCASTING, OR HYDRO SEEDER.
7. SCARIFY SOIL TO A DEPTH OF 2" BEFORE SEEDING.

WATERING
1. WATER 2-3 TIMES PER WEEK FOR 4-6 WEEKS, USING A TOTAL OF 1" OF WATER PER WEEK, AS NEEDED UNTIL PLANT MATERIAL IS FULLY ESTABLISHED. THEN WATER AS A SUPPLEMENTAL SOURCE ONCE A WEEK THEREAFTER
2. DURING THE SECOND AND THIRD YEARS, WATER PLANTINGS AS NECESSARY DURING DRY PERIODS.

FERTILIZING
1. FERTILIZER SHOULD NOT BE APPLIED EITHER IN OR AROUND THE BMP'S ESPECIALLY WHERE DRAINAGE WILL RUN OVER FERTILIZED AREAS INTO THE BASIN.
2. WATER QUALITY AREAS DO NOT NEED FERTILIZER WHICH WOULD ONLY PROMOTE GROWTH OF WEEDS AND, POTENTIALLY, TALL SPINDLY PLANTS WHICH WILL BE STRUCTURALLY WEAKENED.

ACCEPTABLE COVERAGE OF PLANTED AREA
1. FINAL ACCEPTANCE OF THE WORK WILL BE DETERMINED BY A SITE VISIT BY THE LANDSCAPE ARCHITECT OF THE NATIVE PLANTING AREAS AT THE END OF THE ONE YEAR PERIOD FROM INITIAL ACCEPTANCE WHEN PLANTS HAVE STARTED ACTIVELY GROWING IN THEIR SECOND SEASON OF GROWTH.
2. IF THE SITE VISIT INSPECTION DOES NOT MEET THE MINIMUM ACCEPTABLE STANDARD AS DETERMINED BY THE PROJECT LANDSCAPE ARCHITECT, THE AREA SHALL BE REPLANTED AS NECESSARY TO OBTAIN THE DESIRED RESULTS.

ACCEPTABLE COVERAGE OF PLANTED AREA
1. FINAL ACCEPTANCE OF THE WORK WILL BE DETERMINED BY A SITE VISIT BY THE LANDSCAPE ARCHITECT OF THE NATIVE PLANTING AREAS AT THE END OF THE ONE YEAR PERIOD FROM INITIAL ACCEPTANCE WHEN PLANTS HAVE STARTED ACTIVELY GROWING IN THEIR SECOND SEASON OF GROWTH.
2. IF THE SITE VISIT INSPECTION DOES NOT MEET THE MINIMUM ACCEPTABLE STANDARD AS DETERMINED BY THE PROJECT LANDSCAPE ARCHITECT, THE AREA SHALL BE REPLANTED AS NECESSARY TO OBTAIN THE DESIRED RESULTS.

MAINTENANCE (3+ YEARS, ESTABLISHMENT ACTIVITIES MAY CARRY OVER, AS NEEDED)

TIMING OF REPLANTING
1. SEEDING CAN BE DONE BETWEEN THE MONTHS OF NOVEMBER AND JULY. DO NOT SEED AFTER JULY15TH,

WATERING
1. AFTER FINAL ACCEPTANCE, PLANT MATERIAL SHOULD BE INSPECTED WEEKLY, AND SUPPLEMENTAL WATER SHOULD ONLY BE APPLIED AS NEEDED TO MAINTAIN VIGOROUS PLANT GROWTH AND GENERAL HEALTH.
2. IF RAINS ARE OCCURRING AND NATIVE PLANTINGS ARE RECEIVING PLENTY OF MOISTURE, SUPPLEMENTAL WATERING SHOULD BE ELIMINATED.
3. DURING THE SUMMER MONTHS OF JULY AND AUGUST, SUPPLEMENTAL WATERING MAY BE NECESSARY DURING DRY PERIODS.

WEED CONTROL
1. ANY PLANTS THAT ARE NOT SPECIFIED FROM THE ORIGINAL PLAN SHOULD BE CONSIDERED WEEDS.
   a. HERBICIDES: ONLY HERBICIDES FORMULATED TO USE WITH NATIVE PLANT MATERIAL MAY BE USED, AND MAY ONLY BE APPLIED AT THE CORRECT APPLICATION RATE AS SPECIFIED ON THE PRODUCT LABEL. FREQUENCY OF APPLICATION IS ON AN AS NEEDED BASIS (WITHOUT EXCEEDING PRODUCT LABEL REQUIREMENTS), UNTIL NATIVE PLANT MATERIAL IS ESTABLISHED.
   b. REMOVAL: PULL WEEDS AS NEEDED, TAKING CARE NOT TO DISLODGE ROOTS OF NATIVE PLANT MATERIAL, UNTIL NATIVE PLANT MATERIAL IS ESTABLISHED.
   c. MOWING: MOW WHEN PLANTS HAVE GONE DORMANT SO THEY WILL RE-SEED. WHEN VEGETATION HAS REACHED 1' IN HEIGHT, MOW TO A HEIGHT OF 6". RAKE OFF LARGE PIECES OF VEGETATION.
2. IN PERPETUITY AFTER ESTABLISHMENT, PERFORM WEED CONTROL AS NECESSARY.

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET
- 10.28.24 CITY COMMENTS

REVISIONS
1 09.13.24 PDP COMMENTS 1
2 10.28.24 PDP COMMENTS 2

JOB NO. 720522
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DRAWN BY SLW / KRM
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TREE PLANTING PLAN

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L1.00

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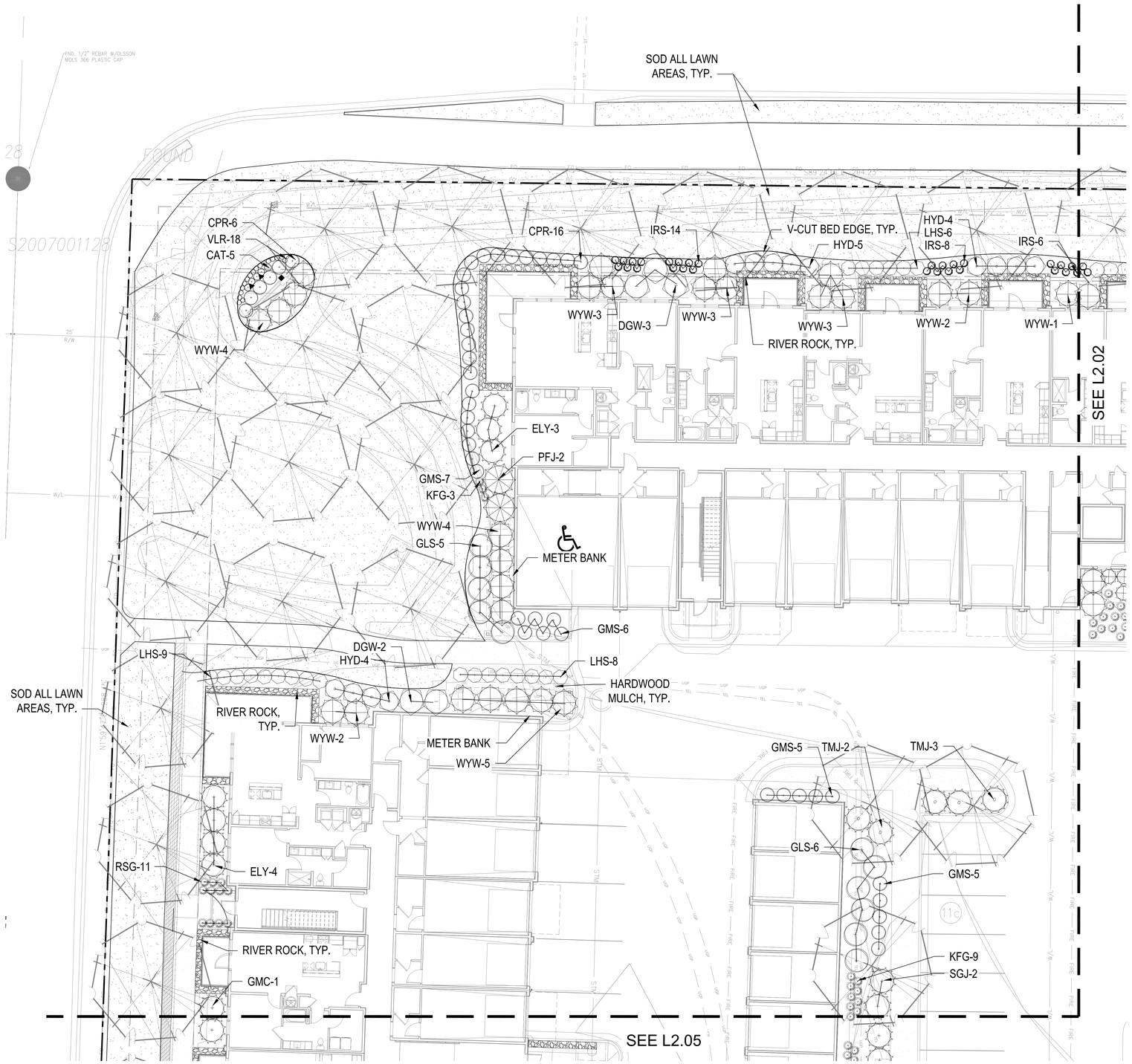
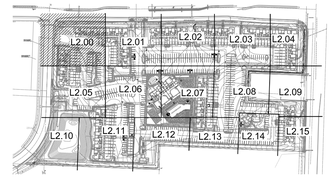
30x42 SHEET (Arch E1)



SHRUB PLANTING PLAN
1" = 10'-0"



KEY PLAN
NTS

PLANT LIST

Code	Common Name	Botanical Name	Size
Evergreen Shrubs			
CGH	China Boy Holly	Ilex x meserveae 'Mesdob'	5 Gal.
CGH	China Girl Holly	Ilex x meserveae 'Mesog'	5 Gal.
DFY	Densiformis Yew	Taxus x media 'Densiformis'	5 Gal.
ELY	Everlow Yew	Taxus x media 'Everlow'	5 Gal.
GBS	Globe Blue Spruce	Picea pungens 'Glauca globosa'	5 Gal.
GGB	Green Gem Boxwood	Buxus microphylla x 'Green Gem'	5 Gal.
GMC	Gold Mop Cypress	Chamaecyparis pisifera 'Yellow Thread Branch'	5 Gal.
PFJ	Perfecta Juniper	Juniperus chinensis 'Perfecta'	5 Gal.
PRB	Green Mountain Boxwood (Pyramidal)	Buxus microphylla 'Green Mountain'	5 Gal.
SJG	Sea Green Juniper	Juniperus chinensis 'Sea Green'	5 gal.
TMJ	Tam Juniper	Juniperus sabina 'Tamariscifolia'	5 Gal.
WGB	Winter Green Boxwood	Buxus microphylla 'Winter Green'	5 Gal.
WTB	Red Sprite Winterberry	Ilex verticillata 'Nana'	5 Gal.
WYW	Wards Yew	Taxus x media 'Wardii'	5 Gal.
Deciduous Shrubs			
CPR	Red Carpet Rose	Rosa 'Flower Carpet Red'	2 Gal.
DGW	Variegated Red Twigged Dogwood	Cornus alba 'Ivory Halo'	2 Gal.
DRT	Dwarf Red Twig Dogwood	Cornus sericea 'Kelseyi'	2 Gal.
ESH	Endless Summer Hydrangea	Hydrangea macrophylla 'Bailmer'	2 Gal.
GLS	Gro-Low Sumac	Rhus aromatica 'Gro-Low'	2 Gal.
GMS	Goldmound Spirea	Spiraea japonica 'Goldmound'	2 Gal.
HYD	Annabelle Hydrangea	Hydrangea arborescens 'Annabelle'	2 Gal.
KNR	Knockout Rose	Rosa knockout	2 Gal.
LHS	Little Henry Sweetspire	Itea virginica 'Little Henry'	2 Gal.
LPS	Little Princess Spirea	Spiraea japonica 'Little Princess'	2 Gal.
MCS	Magic Carpet Spirea	Spiraea japonica 'Magic Carpet'	2 Gal.
ROS	Rose of Sharon - Lavender Chiffon	Hibiscus syriacus 'Notwoodone'	2 Gal.
WIG	Fine Wine Weigela	Weigela florida 'Bramwell'	2 Gal.
Perennials			
CAT	Catmint	Nepeta x faassenii 'Walker's Low'	1 Gal.
DAY	Rosy Returns Daylily	Hemerocallis 'Rosy Returns'	1 Gal.
DSY	Daisy	Leucanthemum x superbum 'Becky'	1 Gal.
HOS	Sum & Substance Hosta	Hosta 'Sum & Substance'	1 Gal.
IRS	Blue Flag Iris	Iris virginica v. shrevei	1 Gal.
MSG	Blue Salvia	Salvia nemorosa 'May Night'	1 Gal.
SBA	Summer Beauty Allium	Allium 'Summer Beauty'	1 Gal.
Grasses			
KFG	Karl Foerster Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.
MLG	Morning Light Maiden Grass	Miscanthus sinensis 'Morning Light'	1 Gal.
NWG	Northwind Switch Grass	Panicum virgatum 'Northwind'	1 Gal.
RSG	Red Switch Grass	Panicum virgatum 'Prairie Fire'	1 Gal.
VLR	Variegated Liriope	Liriope muscari variegata	1 Gal.

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   A. CREEPING GROUNDCOVER SHALL BE A MINIMUM OF 6" FROM PAVING EDGE.
   B. ALL TREES SHALL BE A MINIMUM OF 3' FROM PAVING EDGE.
   C. ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED APART AND PLACED FOR BEST AESTHETIC VIEWING.
   D. ALL SHRUBS SHALL BE A MINIMUM OF 2' FROM PAVED EDGE.

3. NOTIFY LANDSCAPE ARCHITECT 1 WEEK PRIOR TO ANTICIPATED START OF PLANT MATERIAL INSTALLATION. LANDSCAPE CONTRACTOR SHALL STAKE ALL PROPOSED PLANTING BED EDGES, SET OUT SHRUBS IN INTENDED LOCATIONS, AND STAKE TREE LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

4. ALL NEW PLANT BED AREAS TO BE IRRIGATED. REFER TO SPECIFICATIONS FOR IRRIGATION SYSTEM DESCRIPTION.

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12. FINISHED GRADE TO BE TOP OF MULCH OR TURF FOR ALL LANDSCAPE AREAS. REFER TO CIVIL PLANS FOR GRADING INFORMATION.

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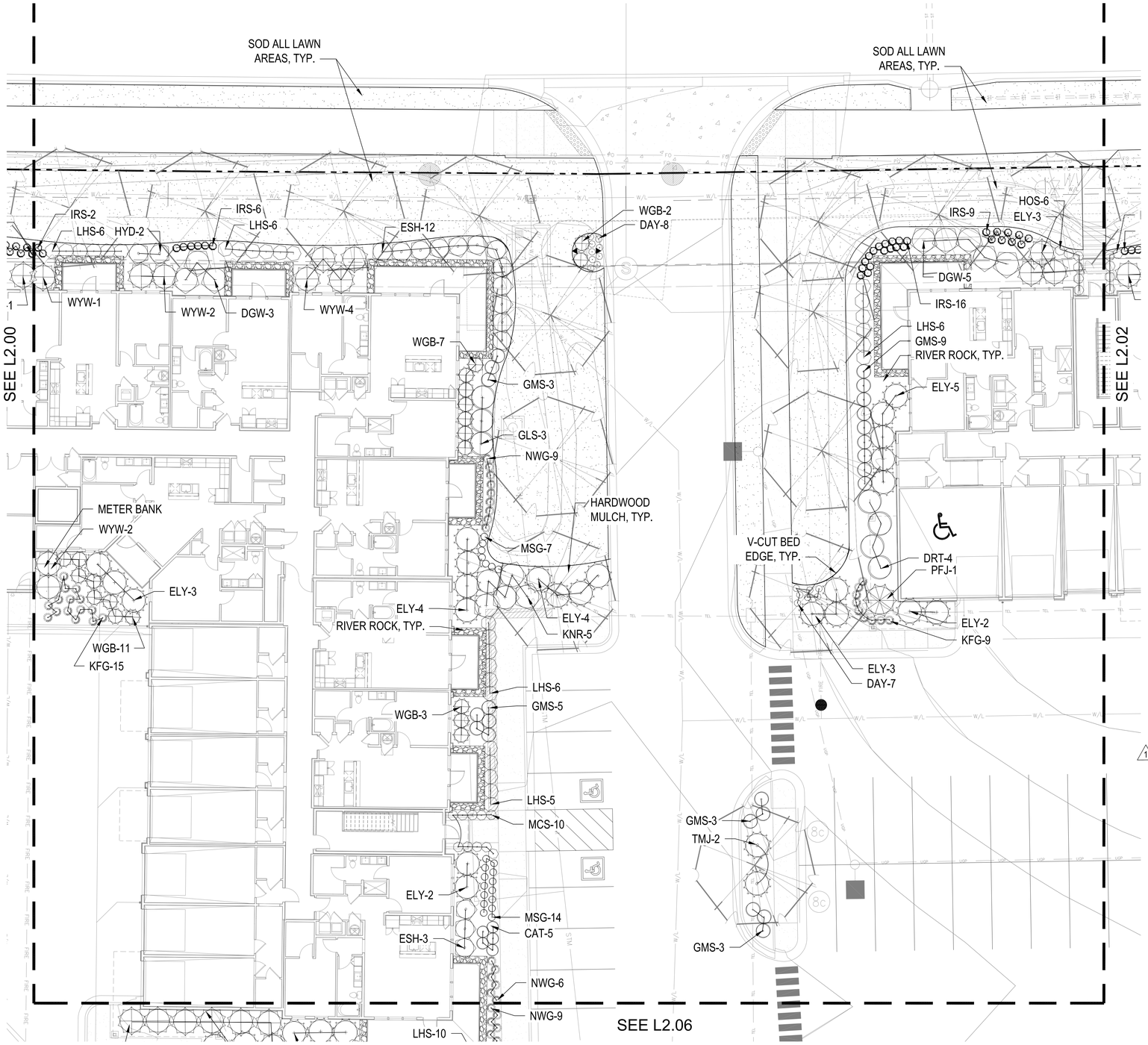

SHRUB PLANTING PLAN
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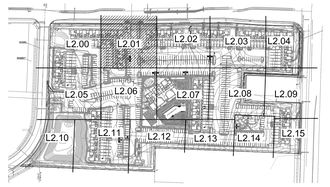

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GBS	Globe Blue Spruce	Picea pungens 'Glauca globosa'	5 Gal.
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WTB	Red Sprite Winterberry	Ilex verticillata 'Nana'	5 Gal.
WYW	Wards Yew	Taxus x media 'Wards'	5 Gal.
Deciduous Shrubs			
CPR	Red Carpet Rose	Rosa 'Flower Carpet Red'	2 Gal.
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GLS	Gro-Low Sumac	Rhus aromatica 'Gro-Low'	2 Gal.
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LPS	Little Princess Spirea	Spiraea japonica 'Little Princess'	2 Gal.
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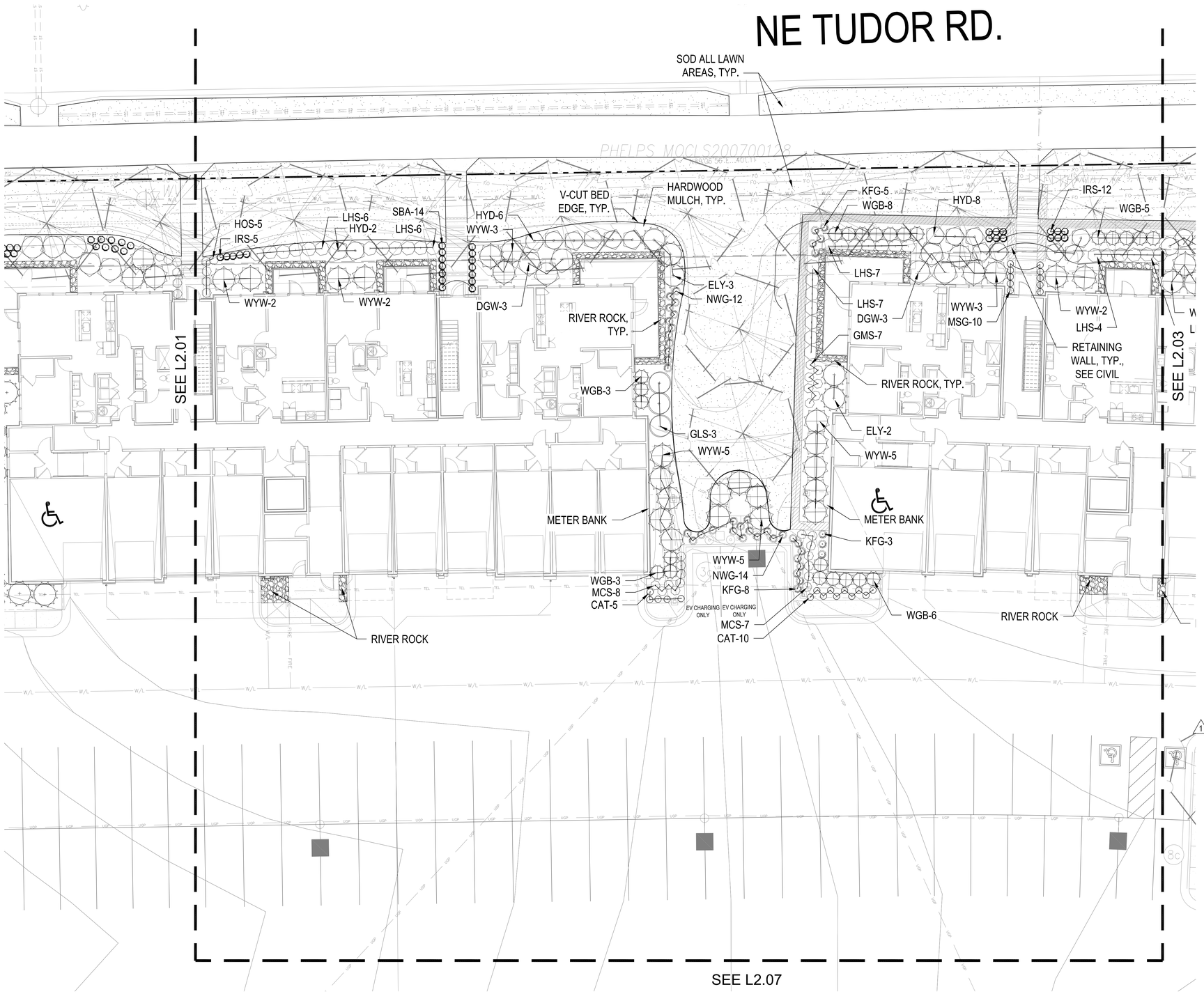

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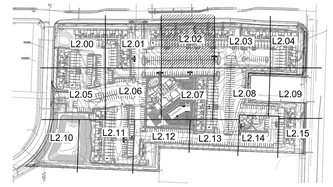

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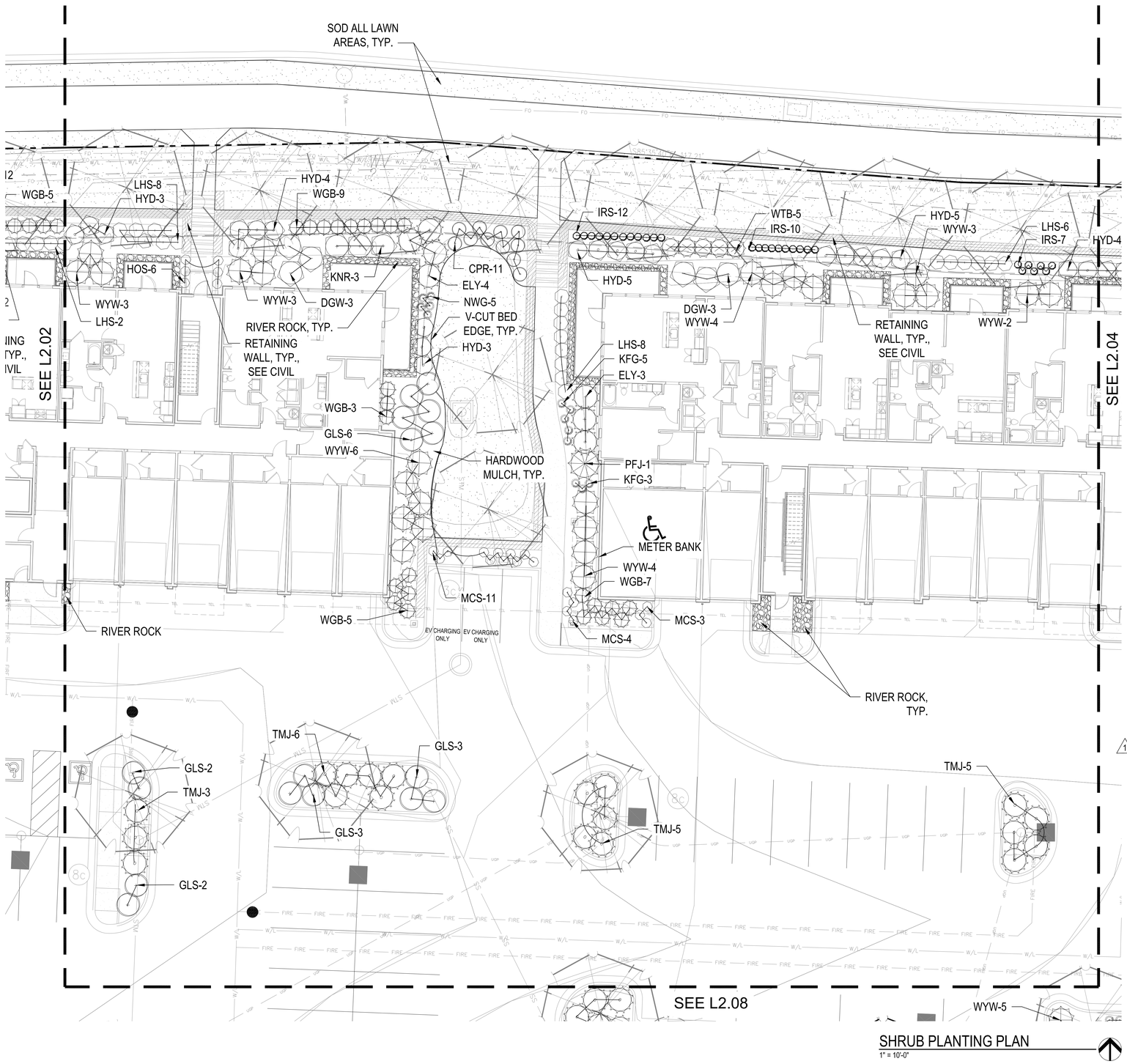

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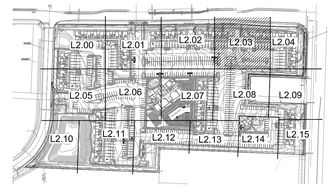

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TMJ	Tam Juniper	Juniperus sabina 'Tamariscifolia'	5 Gal.
WGB	Winter Green Boxwood	Buxus microphylla 'Winter Green'	5 Gal.
WTB	Red Sprite Winterberry	Ilex verticillata 'Nana'	5 Gal.
WYW	Wandii Yew	Taxus x media 'Wandii'	5 Gal.
Deciduous Shrubs			
CPR	Red Carpet Rose	Rosa 'Flower Carpet Red'	2 Gal.
DGW	Variegated Red Twigged Dogwood	Cornus alba 'Ivory Halo'	2 Gal.
DRT	Dwarf Red Twig Dogwood	Cornus sericea 'Kelseyi'	2 Gal.
ESH	Endless Summer Hydrangea	Hydrangea macrophylla 'Bailmer'	2 Gal.
GLS	Gro-Low Sumac	Rhus aromatica 'Gro-Low'	2 Gal.
GMS	Goldmound Spirea	Spiraea japonica 'Goldmound'	2 Gal.
HYD	Annabelle Hydrangea	Hydrangea arborescens 'Annabelle'	2 Gal.
KNR	Knockout Rose	Rosa knockout	2 Gal.
LHS	Little Henry Sweetspire	Itea virginica 'Little Henry'	2 Gal.
LPS	Little Princess Spirea	Spiraea japonica 'Little Princess'	2 Gal.
MCS	Magic Carpet Spirea	Spiraea japonica 'Magic Carpet'	2 Gal.
ROS	Rose of Sharon - Lavender Chiffon	Hibiscus syriacus 'Notwoodone'	2 Gal.
WIG	Fine Wine Weigela	Weigela florida 'Bramwell'	2 Gal.
Perennials			
CAT	Catmint	Nepeta x faassenii 'Walker's Low'	1 Gal.
DAY	Rosy Returns Daylily	Hemerocallis 'Rosy Returns'	1 Gal.
DSY	Daisy	Leucanthemum x superbum 'Becky'	1 Gal.
HOS	Sum & Substance Hosta	Hosta 'Sum & Substance'	1 Gal.
IRS	Blue Flag Iris	Iris virginica v. shrevei	1 Gal.
MSG	Blue Salvia	Salvia nemorosa 'May Night'	1 Gal.
SBA	Summer Beauty Allium	Allium 'Summer Beauty'	1 Gal.
Grasses			
KFG	Karl Foerster Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.
MLG	Morning Light Maiden Grass	Miscanthus sinensis 'Morning Light'	1 Gal.
NWG	Northwind Switch Grass	Panicum virgatum 'Northwind'	1 Gal.
RSG	Red Switch Grass	Panicum virgatum 'Prairie Fire'	1 Gal.
VLR	Variegated Liriope	Liriope muscari variegata	1 Gal.

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   A. CREEPING GROUNDCOVER SHALL BE A MINIMUM OF 6" FROM PAVING EDGE.
   B. ALL TREES SHALL BE A MINIMUM OF 3' FROM PAVING EDGE.
   C. ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED APART AND PLACED FOR BEST AESTHETIC VIEWING.
   D. ALL SHRUBS SHALL BE A MINIMUM OF 2' FROM PAVED EDGE.

3. NOTIFY LANDSCAPE ARCHITECT 1 WEEK PRIOR TO ANTICIPATED START OF PLANT MATERIAL INSTALLATION. LANDSCAPE CONTRACTOR SHALL STAKE ALL PROPOSED PLANTING BED EDGES, SET OUT SHRUBS IN INTENDED LOCATIONS, AND STAKE TREE LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

4. ALL NEW PLANT BED AREAS TO BE IRRIGATED. REFER TO SPECIFICATIONS FOR IRRIGATION SYSTEM DESCRIPTION.

5. REFER TO L1.00 SERIES SHEETS FOR TREE PLANTINGS.

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JOB NO. 720522
DATE 09.16.2024
DRAWN BY SLW / KRM
PERMIT SET

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SHRUB PLANTING PLAN
SHEET NO.
L2.03

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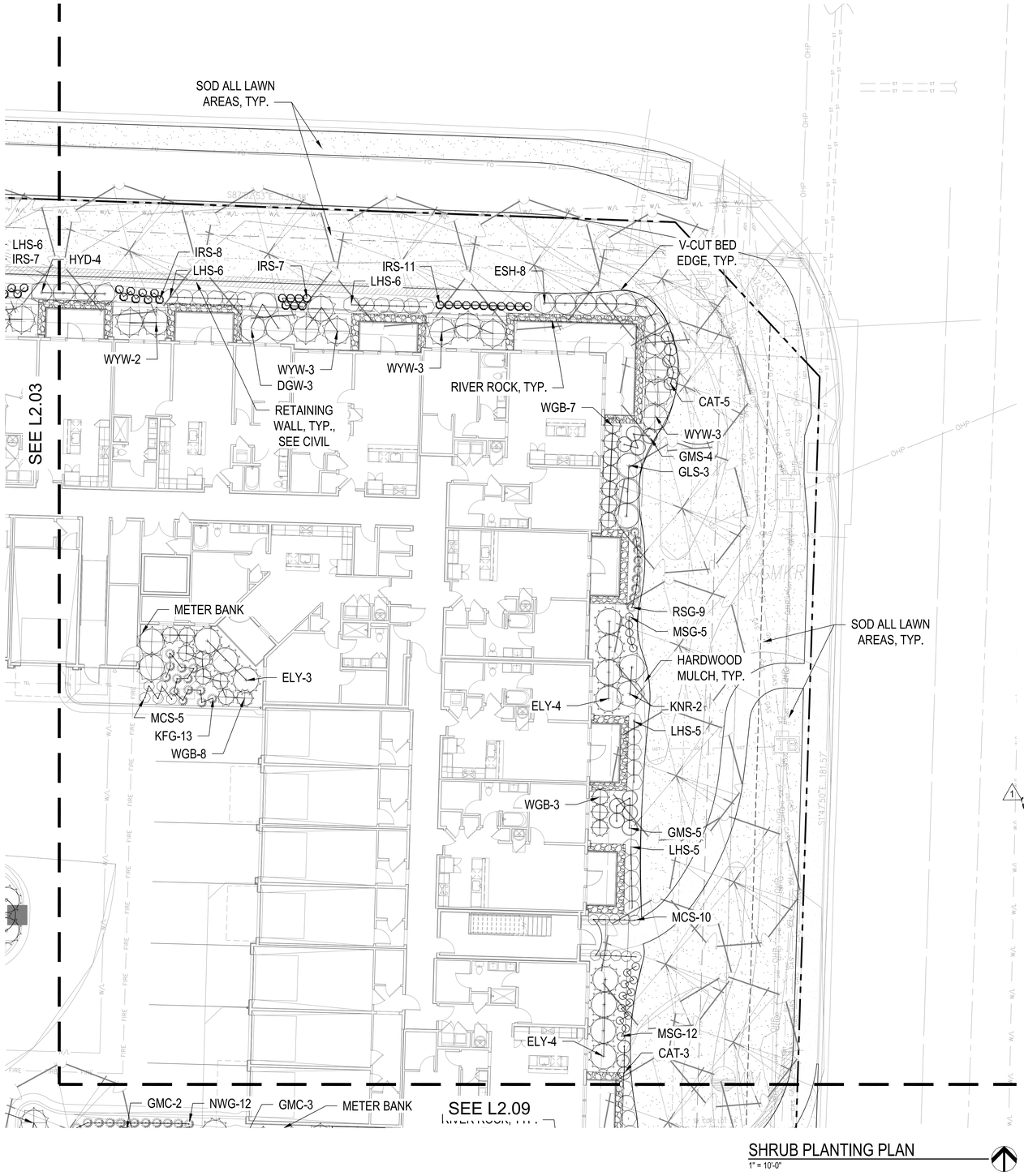

SHRUB PLANTING PLAN
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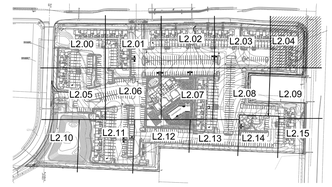

KEY PLAN
NTS

PLANT LIST

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11/1/2024

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LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 10.18.24 PERMIT SET
- 10.28.24 CITY COMMENTS

REVISIONS
1 10.28.24 PDP COMMENTS 2

JOB NO. 720522
DATE 09.16.2024
DRAWN BY SLW / KRM
PERMIT SET

SHEET NAME
SHRUB PLANTING PLAN
SHEET NO.
L2.04

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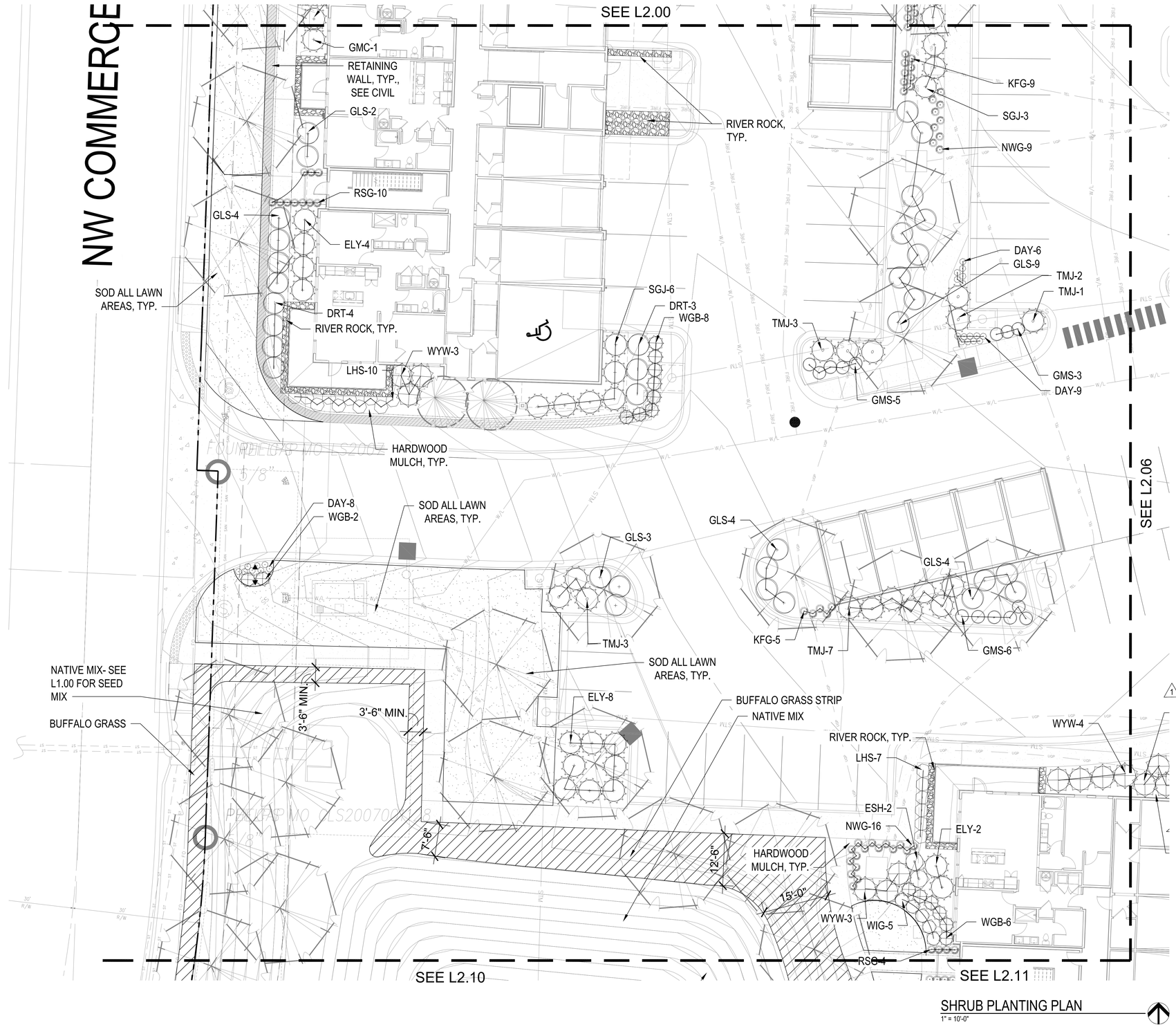

SHRUB PLANTING PLAN
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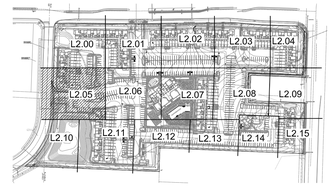

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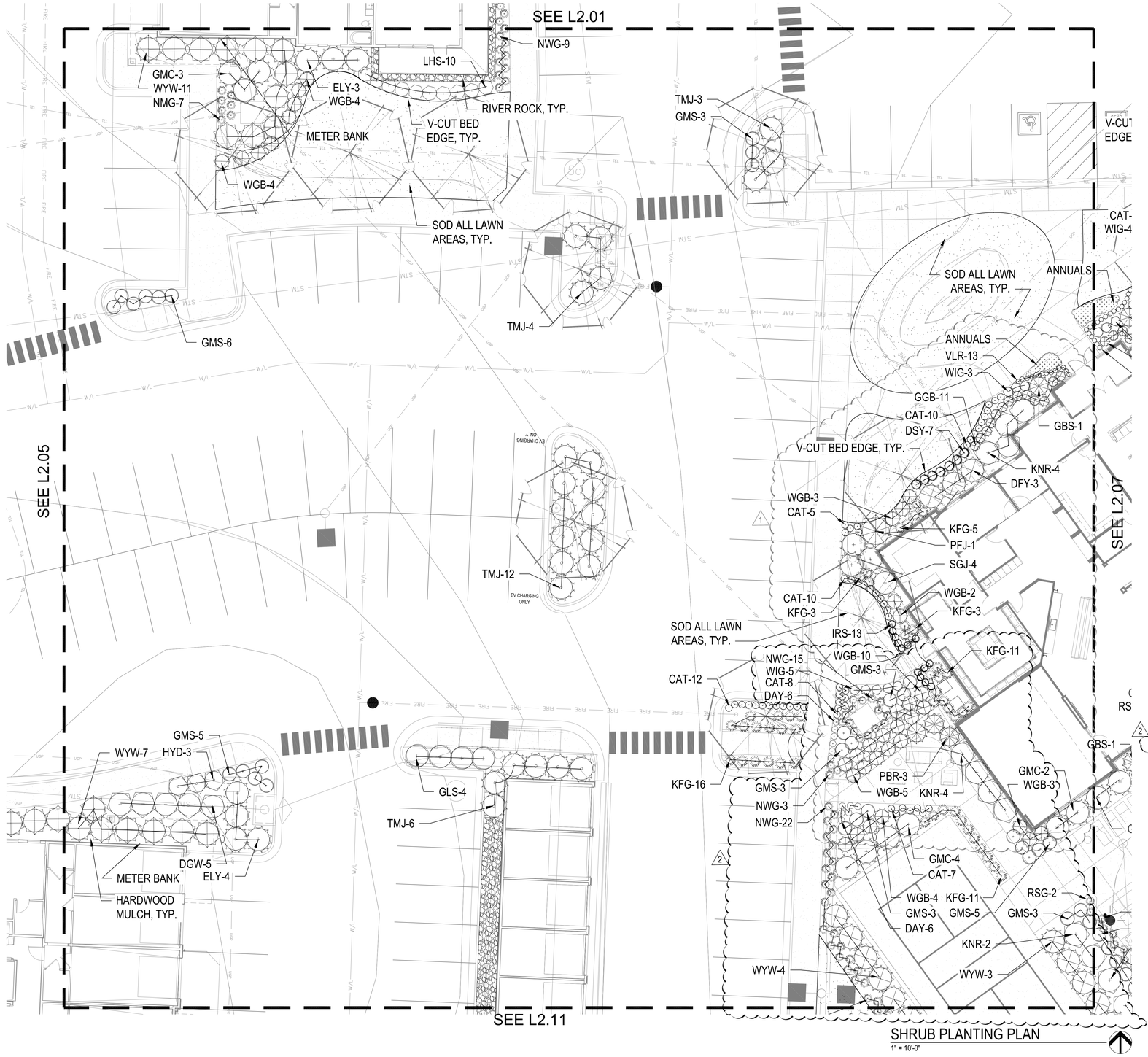
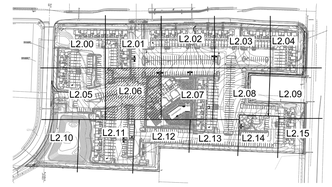


SHRUB PLANTING PLAN
1" = 10'-0"



KEY PLAN
NTS

PLANT LIST

Code	Common Name	Botanical Name	Size
Evergreen Shrubs			
CGH	China Boy Holly	Ilex x meserveae 'Mesdob'	5 Gal.
CGH	China Girl Holly	Ilex x meserveae 'Mesog'	5 Gal.
DFY	Densiformis Yew	Taxus x media 'Densiformis'	5 Gal.
ELY	Everlow Yew	Taxus x media 'Everlow'	5 Gal.
GBS	Globe Blue Spruce	Picea pungens 'Glauca globosa'	5 Gal.
GGB	Green Gem Boxwood	Buxus microphylla x 'Green Gem'	5 Gal.
GMC	Gold Mop Cypress	Chamaecyparis pisifera 'Yellow Thread Branch'	5 Gal.
PFJ	Perfecta Juniper	Juniperus chinensis 'Perfecta'	5 Gal.
PRB	Green Mountain Boxwood (Pyramidal)	Buxus microphylla 'Green Mountain'	5 Gal.
SJG	Sea Green Juniper	Juniperus chinensis 'Sea Green'	5 gal.
TMJ	Tam Juniper	Juniperus sabina 'Tamariscifolia'	5 Gal.
WGB	Winter Green Boxwood	Buxus microphylla 'Winter Green'	5 Gal.
WTB	Red Sprite Winterberry	Ilex verticillata 'Nana'	5 Gal.
WYW	Wardii Yew	Taxus x media 'Wardii'	5 Gal.
Deciduous Shrubs			
CPR	Red Carpet Rose	Rosa 'Flower Carpet Red'	2 Gal.
DGW	Variegated Red Twigged Dogwood	Cornus alba 'Ivory Halo'	2 Gal.
DRT	Dwarf Red Twig Dogwood	Cornus sericea 'Kelseyi'	2 Gal.
ESH	Endless Summer Hydrangea	Hydrangea macrophylla 'Bailmer'	2 Gal.
GLS	Gro-Low Sumac	Rhus aromatica 'Gro-Low'	2 Gal.
GMS	Goldmound Spirea	Spiraea japonica 'Goldmound'	2 Gal.
HYD	Annabelle Hydrangea	Hydrangea arborescens 'Annabelle'	2 Gal.
KNR	Knockout Rose	Rosa knockout	2 Gal.
LHS	Little Henry Sweetspire	Itea virginica 'Little Henry'	2 Gal.
LPS	Little Princess Spirea	Spiraea japonica 'Little Princess'	2 Gal.
MCS	Magic Carpet Spirea	Spiraea japonica 'Magic Carpet'	2 Gal.
ROS	Rose of Sharon - Lavender Chiffon	Hibiscus syriacus 'Notwoodone'	2 Gal.
WIG	Fine Wine Weigela	Weigela florida 'Bramwell'	2 Gal.
Perennials			
CAT	Catmint	Nepeta x faassenii 'Walker's Low'	1 Gal.
DAY	Rosy Returns Daylily	Hemerocallis 'Rosy Returns'	1 Gal.
DSY	Daisy	Leucanthemum x superbum 'Becky'	1 Gal.
HOS	Sum & Substance Hosta	Hosta 'Sum & Substance'	1 Gal.
IRS	Blue Flag Iris	Iris virginica v. shrevei	1 Gal.
MSG	Blue Salvia	Salvia nemorosa 'May Night'	1 Gal.
SBA	Summer Beauty Allium	Allium 'Summer Beauty'	1 Gal.
Grasses			
KFG	Karl Foerster Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.
MLG	Morning Light Maiden Grass	Miscanthus sinensis 'Morning Light'	1 Gal.
NWG	Northwind Switch Grass	Panicum virgatum 'Northwind'	1 Gal.
RSG	Red Switch Grass	Panicum virgatum 'Prairie Fire'	1 Gal.
VLR	Variegated Liriope	Liriope muscari variegata	1 Gal.

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   A. CREEPING GROUNDCOVER SHALL BE A MINIMUM OF 6" FROM PAVING EDGE.
   B. ALL TREES SHALL BE A MINIMUM OF 3' FROM PAVING EDGE.
   C. ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED APART AND PLACED FOR BEST AESTHETIC VIEWING.
   D. ALL SHRUBS SHALL BE A MINIMUM OF 2' FROM PAVED EDGE.

3. NOTIFY LANDSCAPE ARCHITECT 1 WEEK PRIOR TO ANTICIPATED START OF PLANT MATERIAL INSTALLATION. LANDSCAPE CONTRACTOR SHALL STAKE ALL PROPOSED PLANTING BED EDGES, SET OUT SHRUBS IN INTENDED LOCATIONS, AND STAKE TREE LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

4. ALL NEW PLANT BED AREAS TO BE IRRIGATED. REFER TO SPECIFICATIONS FOR IRRIGATION SYSTEM DESCRIPTION.

5. REFER TO L1.00 SERIES SHEETS FOR TREE PLANTINGS.

6. REFER TO L2.00 SERIES SHEETS FOR SHRUB PLANTINGS & ROCK MATERIALS.

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9. STRIP TOP SOIL & SAVE FOR PLANTING AREAS. REFER TO L3.00 FOR PLANTING SOIL MIX.

10. ROCK BEDS SHALL BE BUFFALO RIVER ROCK, 1"-2.5" SIZE, BY HOUSE OF ROCKS OR APPROVED EQUAL. ALL ROCK BED AREAS SHALL HAVE FILTER FABRIC & BE 4" MIN. DEPTH.

11. ALL LANDSCAPE BEDS WITHIN POOL ENCLOSURE TO INCLUDE RIVER ROCK PER SPECS.

12. FINISHED GRADE TO BE TOP OF MULCH OR TURF FOR ALL LANDSCAPE AREAS. REFER TO CIVIL PLANS FOR GRADING INFORMATION.

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KATHRYN ROSE MASTERPOOL — NUMBER PE-2007020596 — STATE OF MISSOURI — PROFESSIONAL ENGINEER
11-18-24

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LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET
- 10.28.24 CITY COMMENTS

REVISIONS
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JOB NO. 720522
DATE 09.16.2024
DRAWN BY SLW / KRM
PERMIT SET

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SHEET NO.
L2.06

10/3/2022 2:48:43 PM

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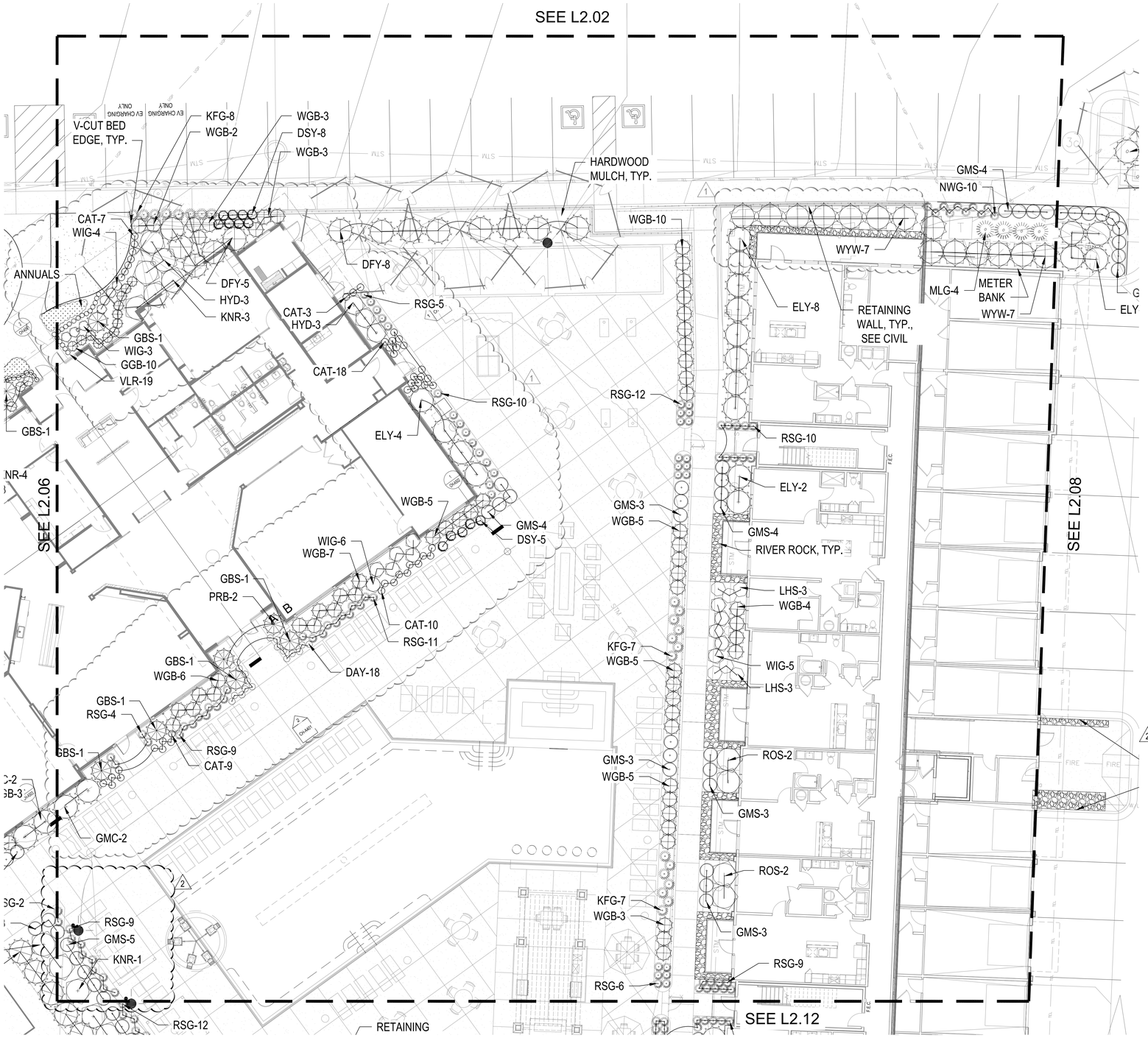

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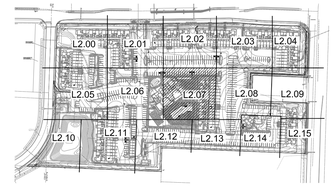

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L2.07

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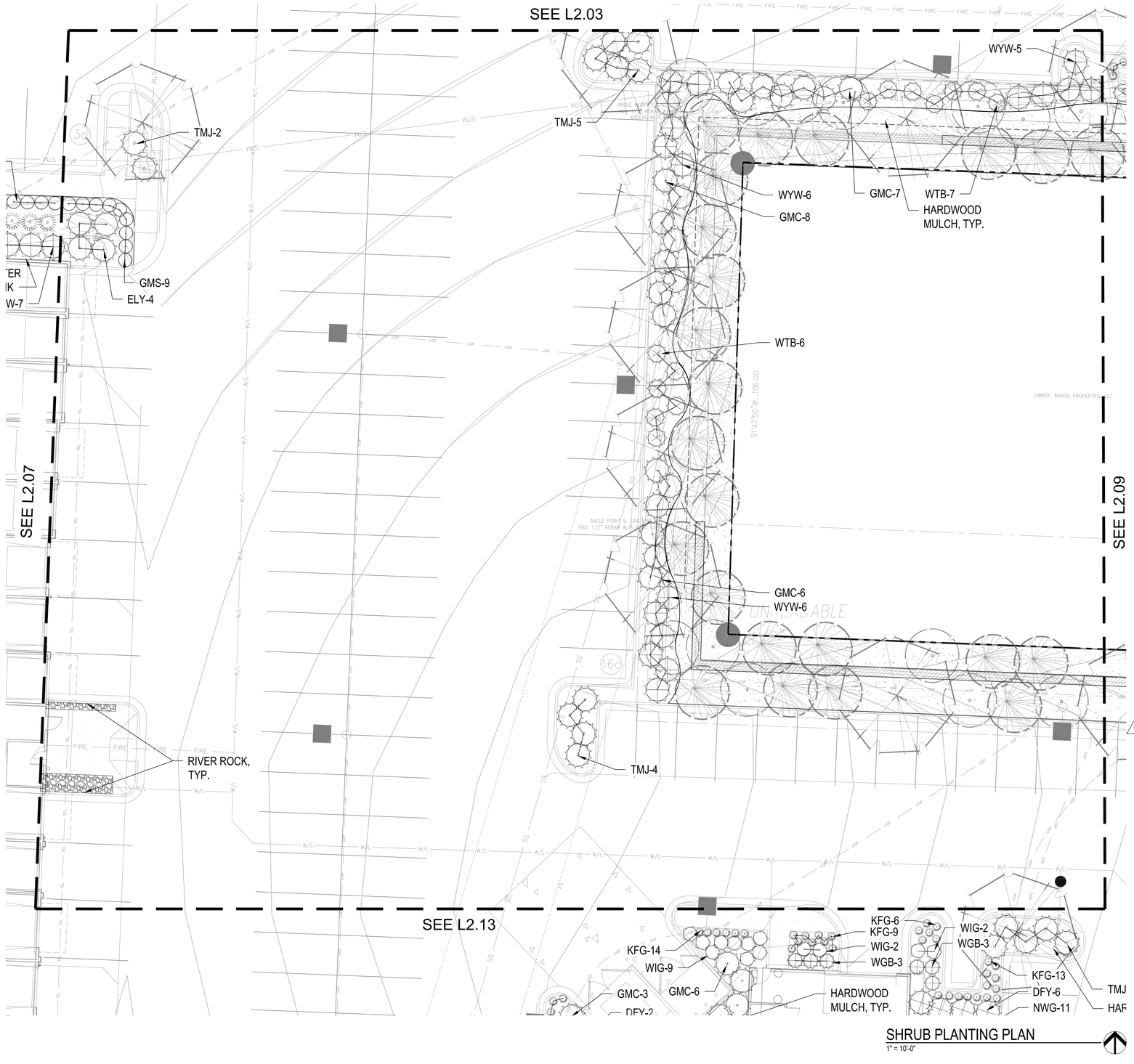

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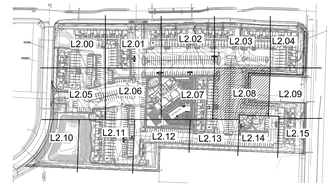

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SHEET NAME
SHRUB PLANTING PLAN
SHEET NO.
L2.08

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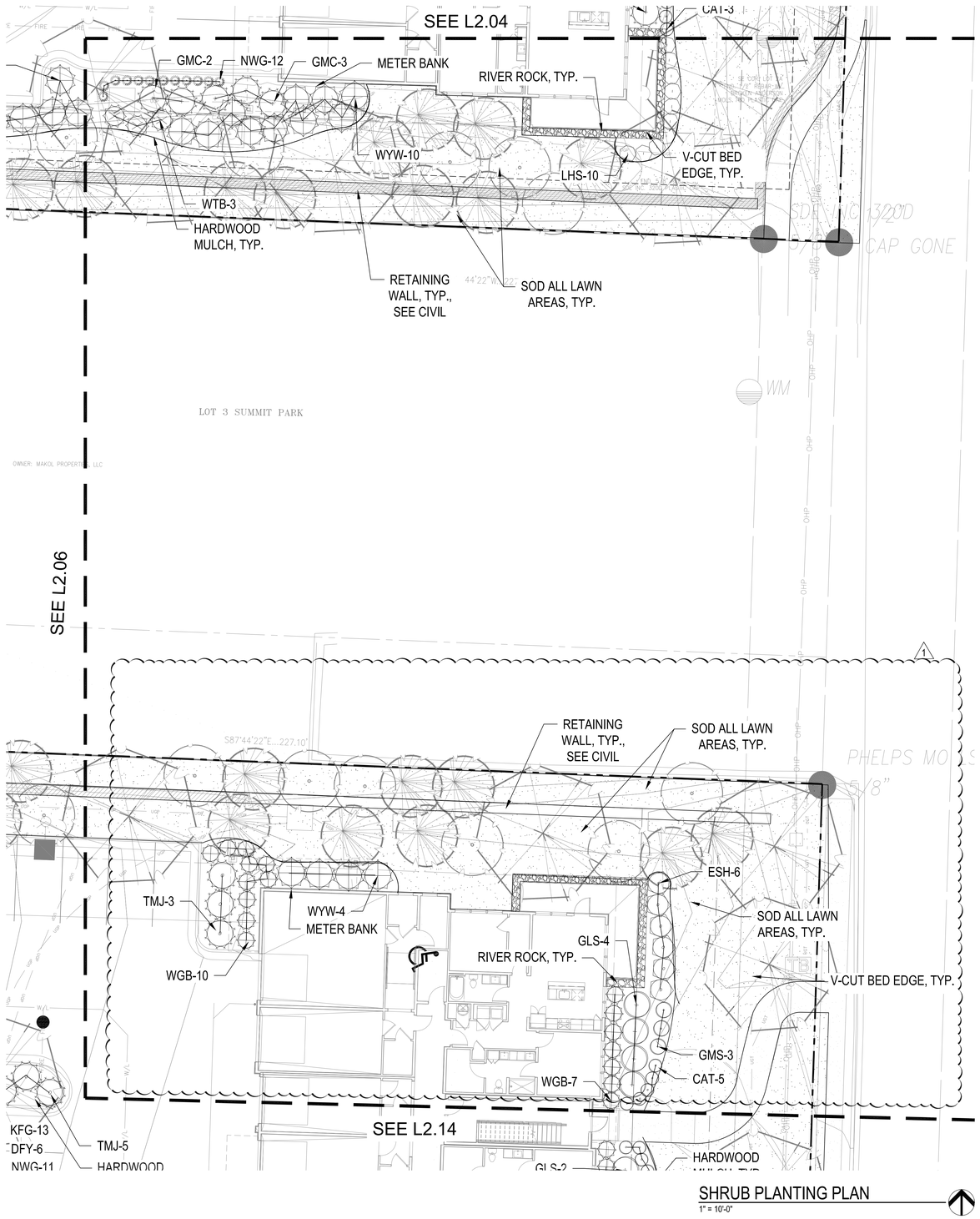

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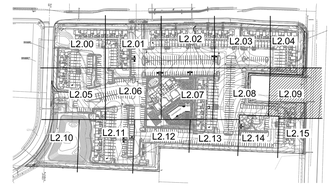

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NTS

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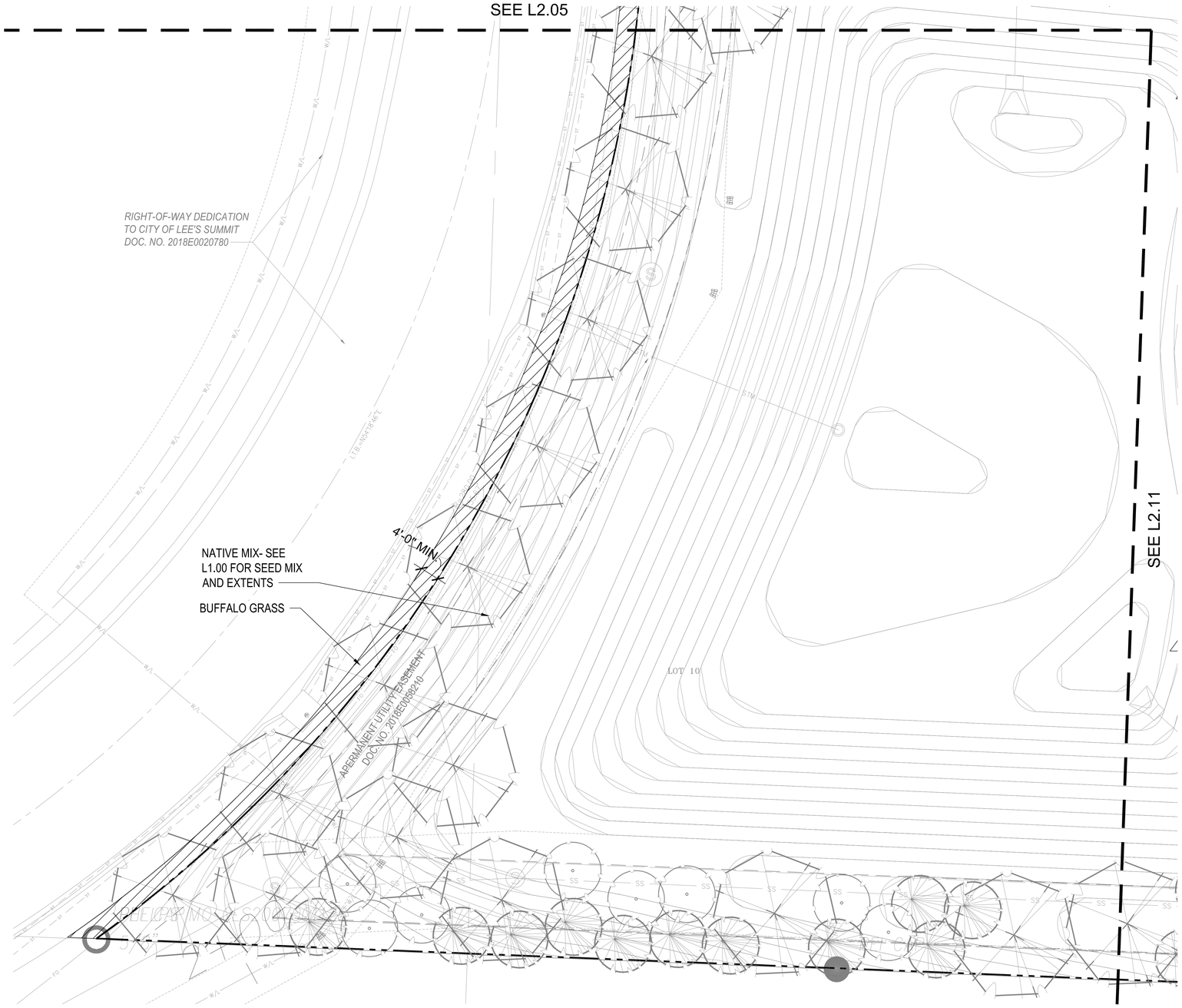

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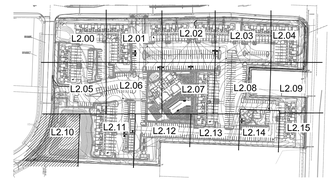

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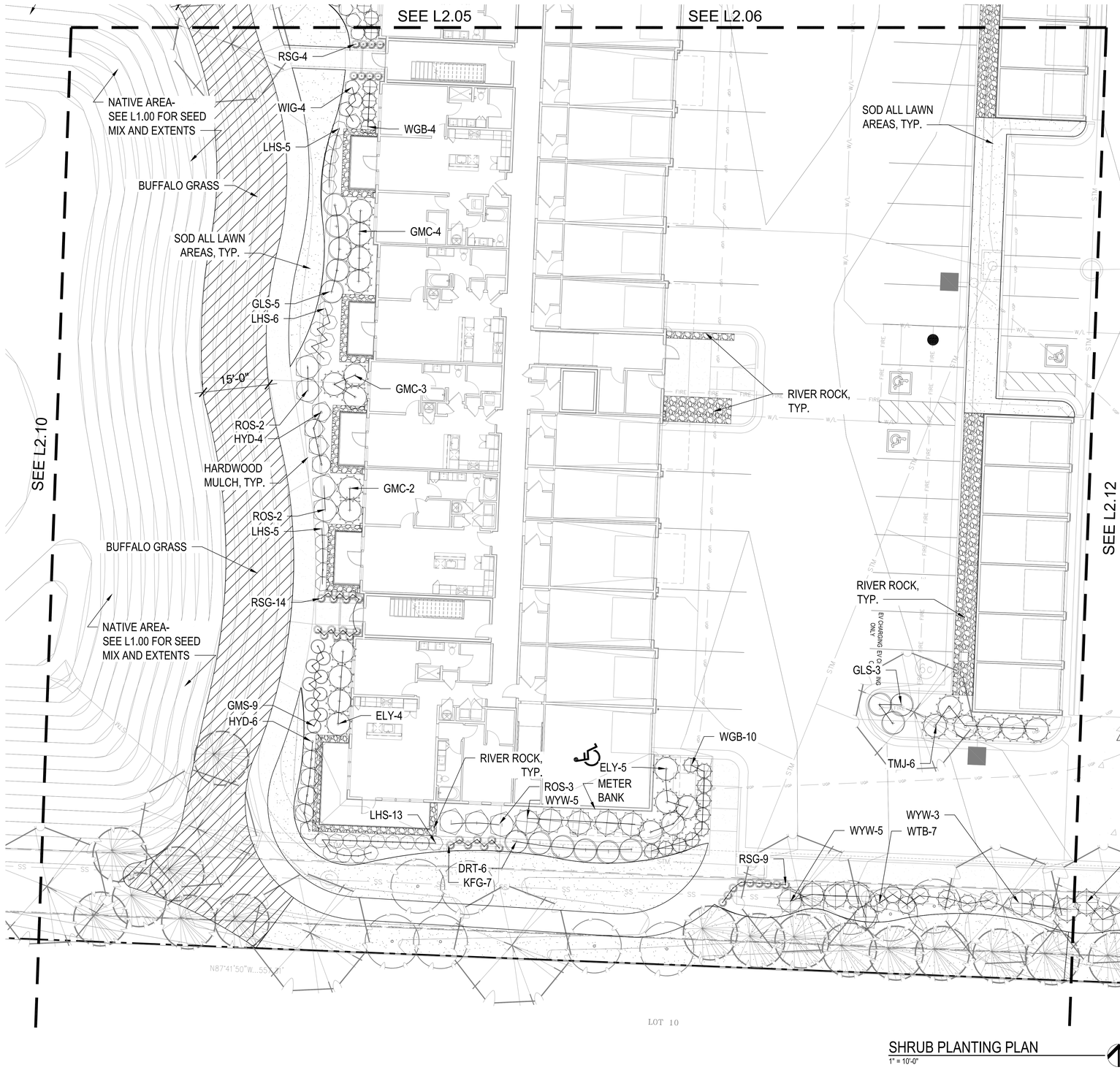

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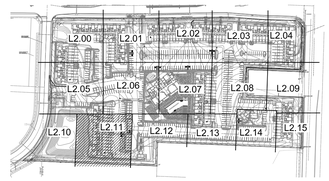

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3. NOTIFY LANDSCAPE ARCHITECT 1 WEEK PRIOR TO ANTICIPATED START OF PLANT MATERIAL INSTALLATION. LANDSCAPE CONTRACTOR SHALL STAKE ALL PROPOSED PLANTING BED EDGES, SET OUT SHRUBS IN INTENDED LOCATIONS, AND STAKE TREE LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

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6. REFER TO L2.00 SERIES SHEETS FOR SHRUB PLANTINGS & ROCK MATERIALS.

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12. FINISHED GRADE TO BE TOP OF MULCH OR TURF FOR ALL LANDSCAPE AREAS. REFER TO CIVIL PLANS FOR GRADING INFORMATION.

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A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 10.18.24 PERMIT SET
- 10.28.24 CITY COMMENTS

REVISIONS
1 10.28.24 PDP COMMENTS 2

JOB NO. 720522
DATE 09.16.2024
DRAWN BY SLW / KRM
PERMIT SET

SHEET NAME
SHRUB PLANTING PLAN
SHEET NO.
L2.11

10/3/2022 2:48:43 PM

30x42 SHEET (Arch E1)

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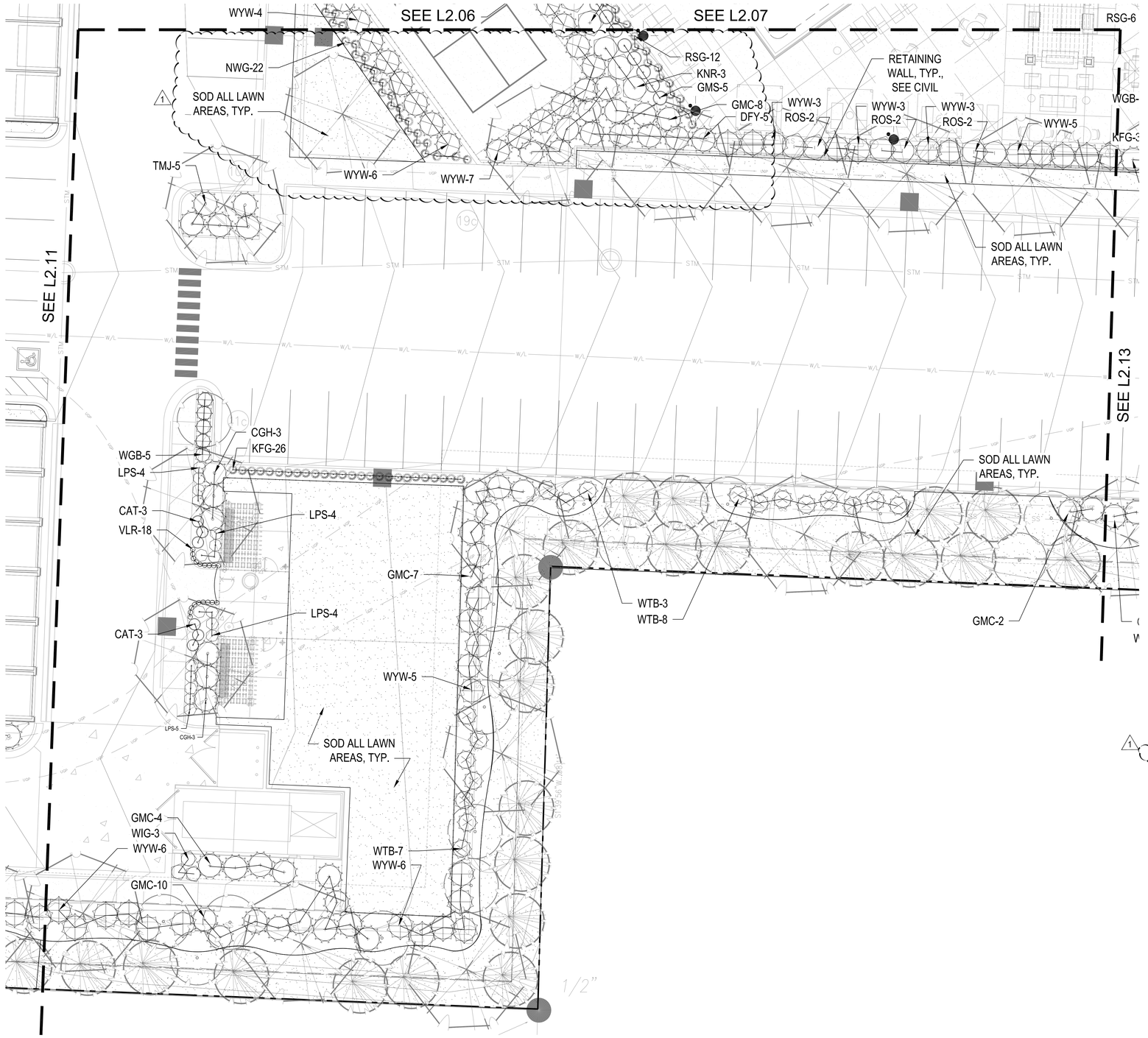
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
11/18/2024



SHRUB PLANTING PLAN
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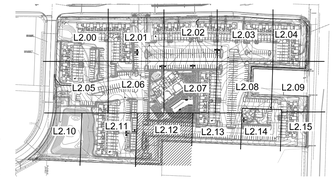

KEY PLAN
NTS

PLANT LIST

Code	Common Name	Botanical Name	Size
Evergreen Shrubs			
CGH	China Boy Holly	Ilex x meserveae 'Mesdob'	5 Gal.
CGH	China Girl Holly	Ilex x meserveae 'Mesog'	5 Gal.
DFY	Densiformis Yew	Taxus x media 'Densiformis'	5 Gal.
ELY	Everlow Yew	Taxus x media 'Everlow'	5 Gal.
GBS	Globe Blue Spruce	Picea pungens 'Glauca globosa'	5 Gal.
GGB	Green Gem Boxwood	Buxus microphylla x 'Green Gem'	5 Gal.
GMC	Gold Mop Cypress	Chamaecyparis pisifera 'Yellow Thread Branch'	5 Gal.
PFJ	Perfecta Juniper	Juniperus chinensis 'Perfecta'	5 Gal.
PRB	Green Mountain Boxwood (Pyramidal)	Buxus microphylla 'Green Mountain'	5 Gal.
SJG	Sea Green Juniper	Juniperus chinensis 'Sea Green'	5 gal.
TMJ	Tam Juniper	Juniperus sabina 'Tamariscifolia'	5 Gal.
WGB	Winter Green Boxwood	Buxus microphylla 'Winter Green'	5 Gal.
WTB	Red Sprite Winterberry	Ilex verticillata 'Nana'	5 Gal.
WYW	Wardii Yew	Taxus x media 'Wardii'	5 Gal.
Deciduous Shrubs			
CPR	Red Carpet Rose	Rosa 'Flower Carpet Red'	2 Gal.
DGW	Variegated Red Twigged Dogwood	Cornus alba 'Ivory Halo'	2 Gal.
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ESH	Endless Summer Hydrangea	Hydrangea macrophylla 'Bailmer'	2 Gal
GLS	Gro-Low Sumac	Rhus aromatica 'Gro-Low'	2 Gal.
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HYD	Annabelle Hydrangea	Hydrangea arborescens 'Annabelle'	2 Gal.
KNR	Knockout Rose	Rosa knockout	2 Gal.
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LPS	Little Princess Spirea	Spiraea japonica 'Little Princess'	2 Gal.
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SBA	Summer Beauty Allium	Allium 'Summer Beauty'	1 Gal.
Grasses			
KFG	Karl Foerster Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.
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RSG	Red Switch Grass	Panicum virgatum 'Prairie Fire'	1 Gal.
VLR	Variegated Liriope	Liriope muscari variegata	1 Gal.

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JOB NO. 720522
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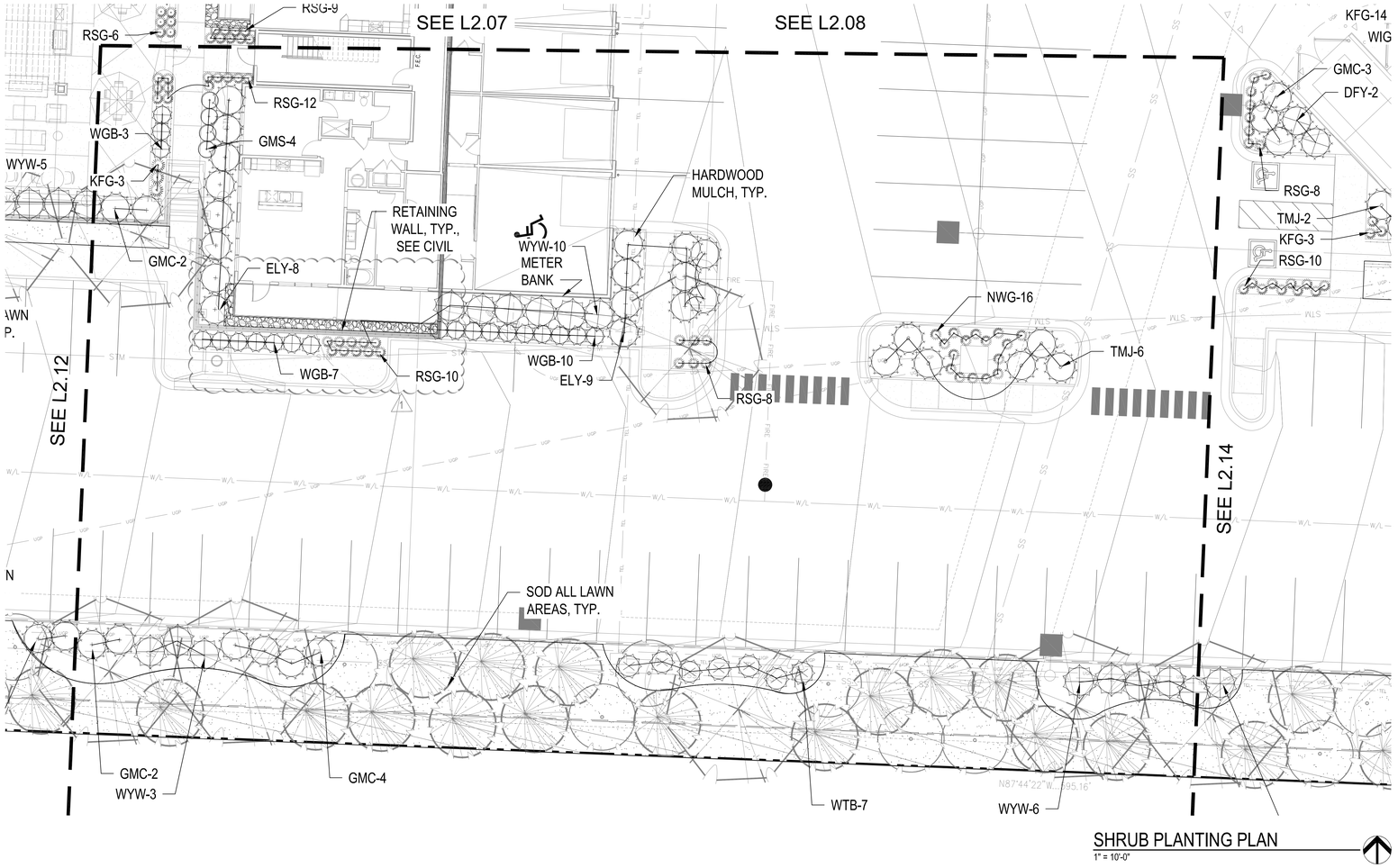

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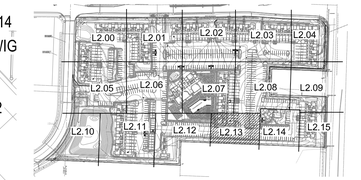

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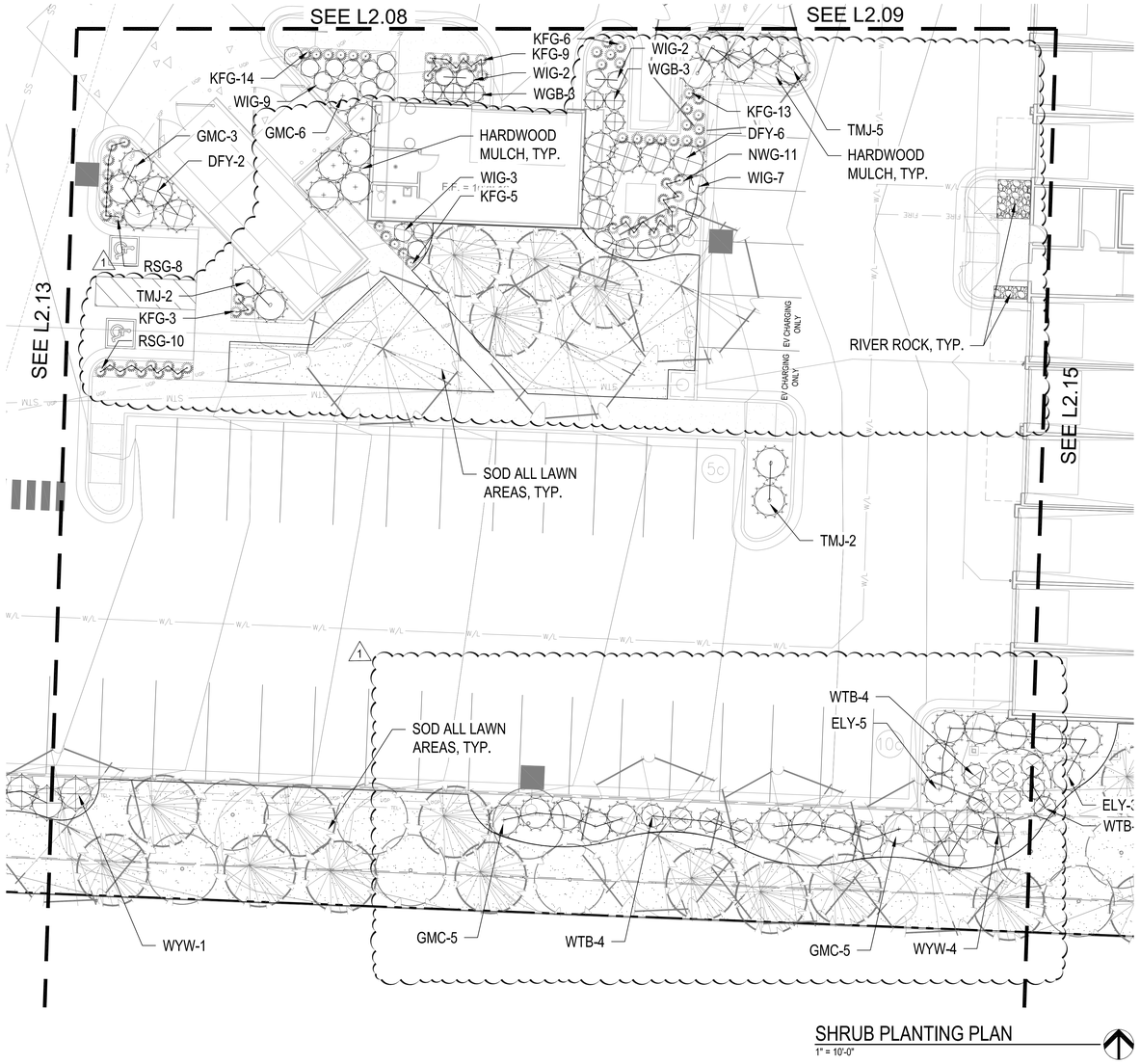

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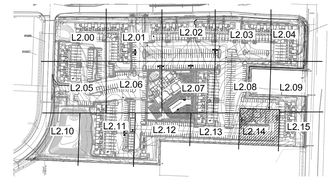

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DSY	Daisy	Leucanthemum x superbum 'Becky'	1 Gal.
HOS	Sum & Substance Hosta	Hosta 'Sum & Substance'	1 Gal.
IRS	Blue Flag Iris	Iris virginica v. shrevei	1 Gal.
MSG	Blue Salvia	Salvia nemorosa 'May Night'	1 Gal.
SBA	Summer Beauty Allium	Allium 'Summer Beauty'	1 Gal.
Grasses			
KFG	Karl Foerster Grass	Calamagrostis x acutiflora 'Karl Foerster'	1 Gal.
MLG	Morning Light Maiden Grass	Miscanthus sinensis 'Morning Light'	1 Gal.
NWG	Northwind Switch Grass	Panicum virgatum 'Northwind'	1 Gal.
RSG	Red Switch Grass	Panicum virgatum 'Prairie Fire'	1 Gal.
VLR	Variegated Liriope	Liriope muscari variegata	1 Gal.

GENERAL NOTES:

1. EACH BIDDER SHALL VISIT THE SITE OF THE PROPOSED WORK AND EXAMINE THE SITE CONDITIONS. HE SHALL ALSO CAREFULLY EXAMINE THE DRAWINGS FOR THE PROPOSED WORK AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS, WHICH MAY AFFECT THE PROPOSED WORK.

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   A. CREEPING GROUNDCOVER SHALL BE A MINIMUM OF 6" FROM PAVING EDGE.
   B. ALL TREES SHALL BE A MINIMUM OF 3' FROM PAVING EDGE.
   C. ALL PLANTS OF THE SAME SPECIES SHALL BE EQUALLY SPACED APART AND PLACED FOR BEST AESTHETIC VIEWING.
   D. ALL SHRUBS SHALL BE A MINIMUM OF 2' FROM PAVED EDGE.

3. NOTIFY LANDSCAPE ARCHITECT 1 WEEK PRIOR TO ANTICIPATED START OF PLANT MATERIAL INSTALLATION. LANDSCAPE CONTRACTOR SHALL STAKE ALL PROPOSED PLANTING BED EDGES, SET OUT SHRUBS IN INTENDED LOCATIONS, AND STAKE TREE LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

4. ALL NEW PLANT BED AREAS TO BE IRRIGATED. REFER TO SPECIFICATIONS FOR IRRIGATION SYSTEM DESCRIPTION.

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12. FINISHED GRADE TO BE TOP OF MULCH OR TURF FOR ALL LANDSCAPE AREAS. REFER TO CIVIL PLANS FOR GRADING INFORMATION.

SEEDING & SOD NOTES:

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7. IF ANY DISCREPANCIES ARE FOUND BETWEEN THE PROJECT GENERAL NOTES, PROJECT SPECIFICATIONS, AND APWA SECTION 2400, THE MOST STRINGENT GUIDELINE APPLIES.

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SHRUB PLANTING PLAN
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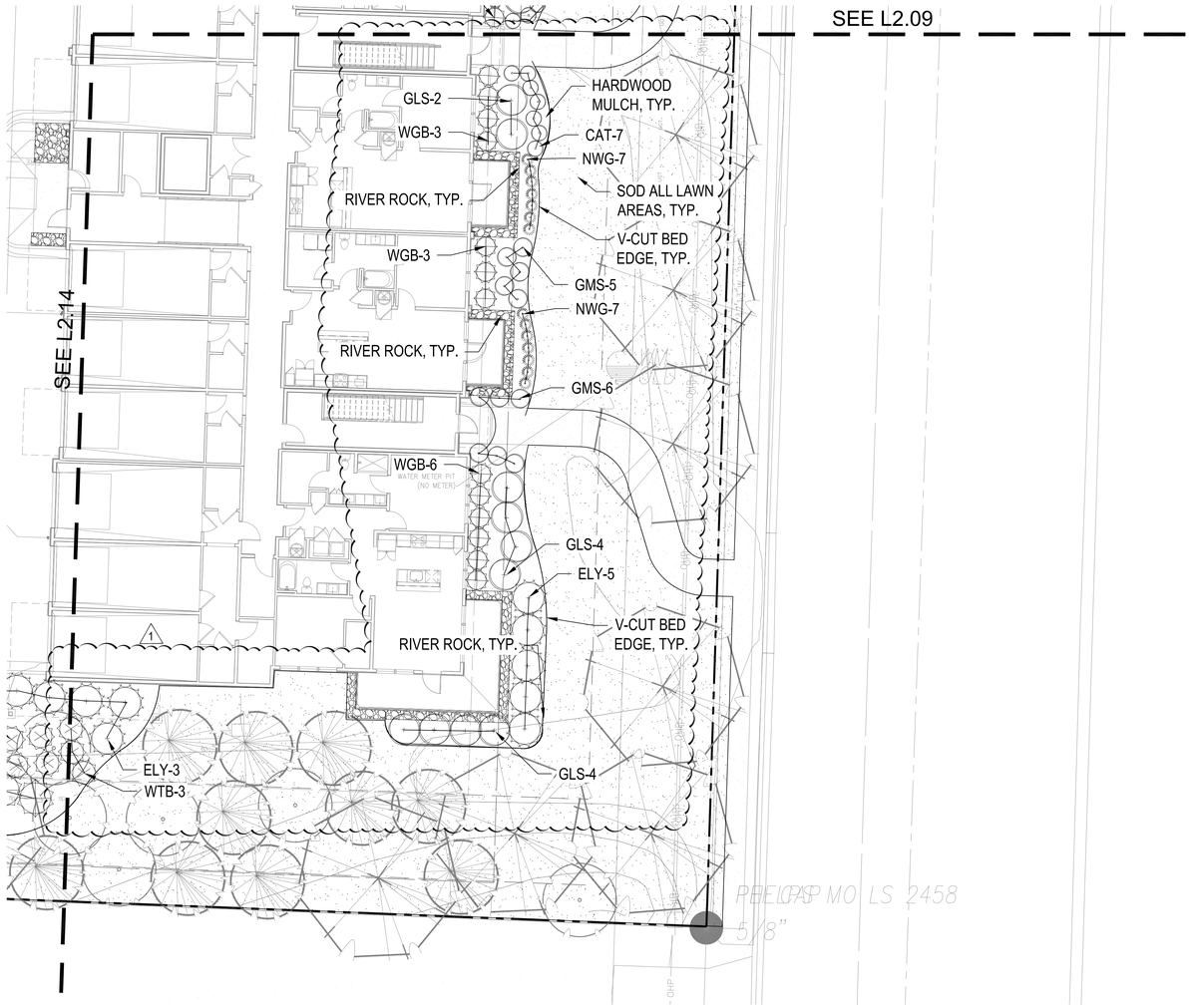
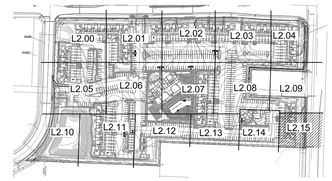


SHRUB PLANTING PLAN
1" = 10'-0"



KEY PLAN
NTS

PLANT LIST

Code	Common Name	Botanical Name	Size
Evergreen Shrubs			
CGH	China Boy Holly	Ilex x meserveae 'Mesdob'	5 Gal.
CGH	China Girl Holly	Ilex x meserveae 'Mesog'	5 Gal.
DFY	Densiformis Yew	Taxus x media 'Densiformis'	5 Gal.
ELY	Everlow Yew	Taxus x media 'Everlow'	5 Gal.
GBS	Globe Blue Spruce	Picea pungens 'Glauca globosa'	5 Gal.
GGB	Green Gem Boxwood	Buxus microphylla x 'Green Gem'	5 Gal.
GMC	Gold Mop Cypress	Chamaecyparis pisifera 'Yellow Thread Branch'	5 Gal.
PFJ	Perfecta Juniper	Juniperus chinensis 'Perfecta'	5 Gal.
PRB	Green Mountain Boxwood (Pyramidal)	Buxus microphylla 'Green Mountain'	5 Gal.
SJG	Sea Green Juniper	Juniperus chinensis 'Sea Green'	5 gal.
TMJ	Tam Juniper	Juniperus sabina 'Tamariscifolia'	5 Gal.
WGB	Winter Green Boxwood	Buxus microphylla 'Winter Green'	5 Gal.
WTB	Red Sprite Winterberry	Ilex verticillata 'Nana'	5 Gal.
WYW	Wandii Yew	Taxus x media 'Wandii'	5 Gal.
Deciduous Shrubs			
CPR	Red Carpet Rose	Rosa 'Flower Carpet Red'	2 Gal.
DGW	Variegated Red Twigged Dogwood	Cornus alba 'Ivory Halo'	2 Gal.
DRT	Dwarf Red Twig Dogwood	Cornus sericea 'Kelseyi'	2 Gal.
ESH	Endless Summer Hydrangea	Hydrangea macrophylla 'Bailmer'	2 Gal
GLS	Gro-Low Sumac	Rhus aromatica 'Gro-Low'	2 Gal.
GMS	Goldmound Spirea	Spiraea japonica 'Goldmound'	2 Gal.
HYD	Annabelle Hydrangea	Hydrangea arborescens 'Annabelle'	2 Gal.
KNR	Knockout Rose	Rosa knockout	2 Gal.
LHS	Little Henry Sweetspire	Itea virginica 'Little Henry'	2 Gal.
LPS	Little Princess Spirea	Spiraea japonica 'Little Princess'	2 Gal.
MCS	Magic Carpet Spirea	Spiraea japonica 'Magic Carpet'	2 Gal.
ROS	Rose of Sharon - Lavender Chiffon	Hibiscus syriacus 'Notwoodone'	2 Gal.
WIG	Fine Wine Weigela	Weigela florida 'Bramwell'	2 Gal.
Perennials			
CAT	Catmint	Nepeta x faassenii 'Walker's Low'	1 Gal.
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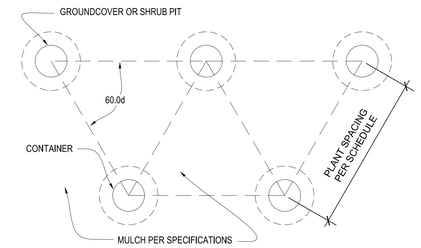
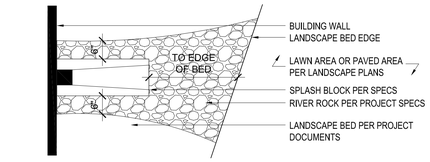


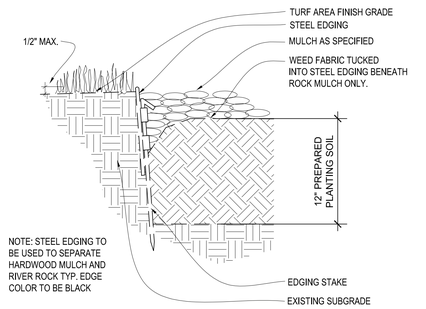
NOTES: 1. SPACING FOR GROUNDCOVERS, SHRUBS, AND PERENNIALS NOTED ON PLANS.
2. TILL SOIL IN BED TO A 12" MINIMUM DEPTH AND THOROUGHLY MIX IN SOIL AMENDMENTS AS SPECIFIED.

Inches Between Plants	Plant Quantities Per Square Foot
12"	Square Feet x 1.15
18"	Square Feet x .51
30"	Square Feet x .19
36"	Square Feet x .12
48"	Square Feet x .07

10 PLANT SPACING DETAIL
NOT TO SCALE

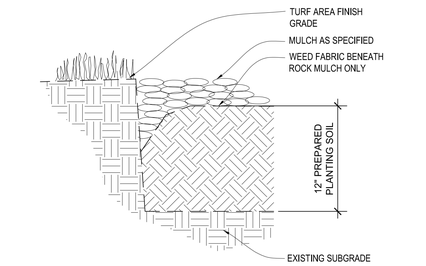


9 DOWNSPOUT/SPLASH BLOCK DETAIL
NOT TO SCALE

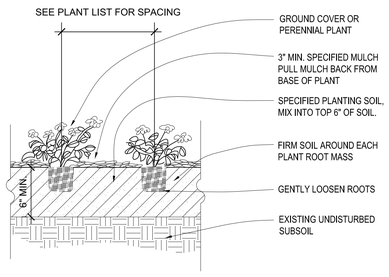


NOTE: STEEL EDGING TO BE USED TO SEPARATE HARDWOOD MULCH AND RIVER ROCK TYP. EDGE COLOR TO BE BLACK

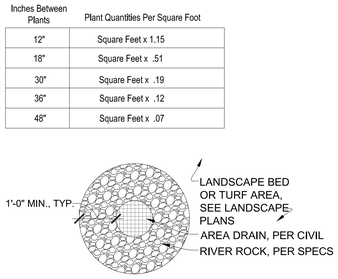
8 STEEL EDGING DETAIL
NOT TO SCALE



7 V-CUT EDGING DETAIL
NOT TO SCALE



6 PERENNIAL & GROUND COVER PLANTING
NOT TO SCALE

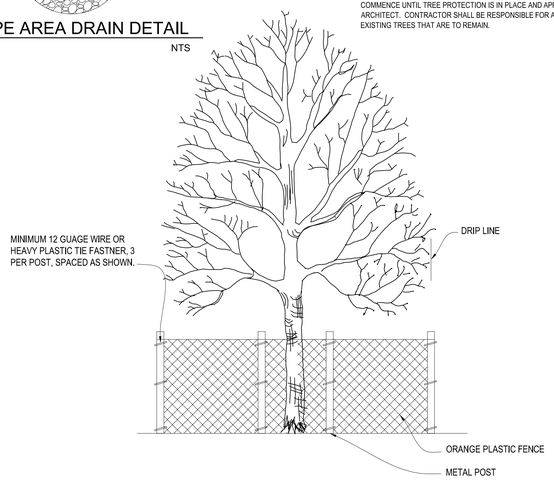


PLAN

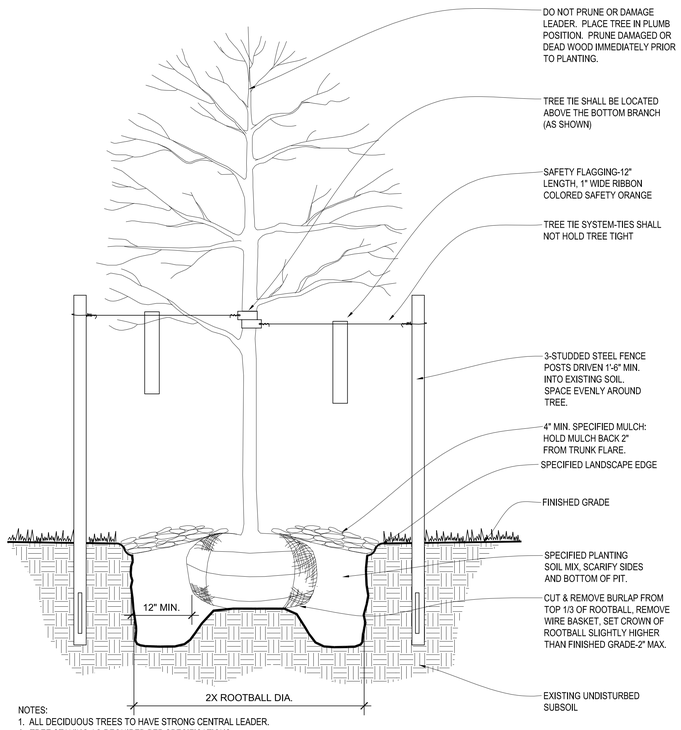
LANDSCAPE AREA DRAIN DETAIL

NOTE:
PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL IDENTIFY, TAG AND PROTECT, EXISTING TREES TO BE SAVED. WORK CANNOT COMMENCE UNTIL TREE PROTECTION IS IN PLACE AND APPROVED BY THE ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING TREES THAT ARE TO REMAIN.

NTS

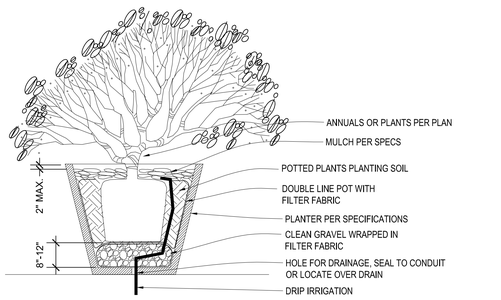


5 TREE PRESERVATION DETAIL
NOT TO SCALE

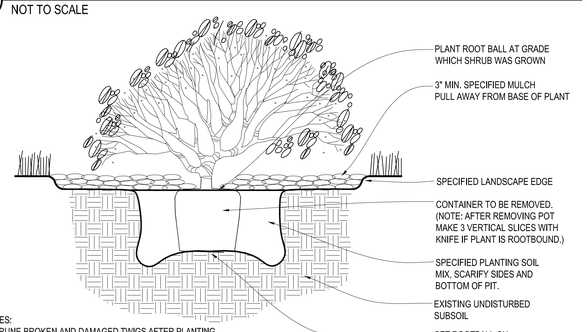


NOTES:
1. ALL DECIDUOUS TREES TO HAVE STRONG CENTRAL LEADER.
2. TREE STAKING AS REQUIRED PER SPECIFICATIONS.

4 DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE

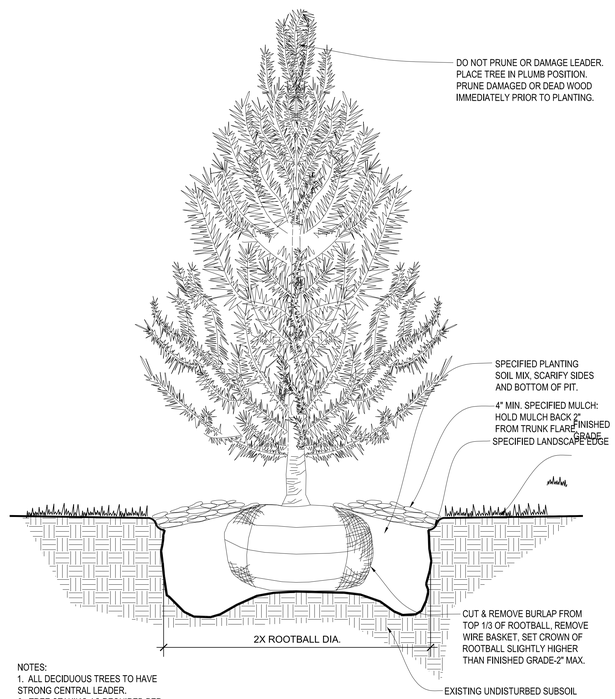


3 TYPICAL FREESTANDING PLANTER
NOT TO SCALE



NOTES:
1. PRUNE BROKEN AND DAMAGED TWIGS AFTER PLANTING.
2. CORNER OF ROOT SYSTEM TO BE AT LINE OF ORIGINAL GRADE.
3. LOCATE SHRUBS AS INDICATED OR 3.5' FROM BUILDINGS, SIDEWALKS, CURBS OR OTHER EDGE CONDITIONS.

2 SHRUB PLANTING DETAIL
NOT TO SCALE



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4. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY AND ALL PLANT MATERIALS PROPOSED FOR USE ON THE PROJECT.
5. CONTRACTOR WILL BE RESPONSIBLE FOR PLANTING ALL PLANT MATERIAL INDICATED ON THE PLANS. PLANT SCHEDULE IS FOR SUMMARY ONLY. VERIFY ALL PLANT QUANTITIES PRIOR TO BIDDING.
6. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF EXISTING TREES & PLANT MATERIAL AS INDICATED ON PLAN AND AS DIRECTED BY LANDSCAPE ARCHITECT. RELOCATE PERENNIALS & SHRUBS TO LOCATION INDICATED ON PLAN AND AS DIRECTED BY LANDSCAPE ARCHITECT.
7. REPORT ANY DISCREPANCIES FOUND WITH REGARD TO EXISTING CONDITIONS OR PROPOSED DESIGN IMMEDIATELY TO THE LANDSCAPE ARCHITECT. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHERE IT IS FOUND THAT KNOWN DISCREPANCIES EXIST. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH OTHER RELATED SITE WORK BEING PERFORMED TO ACCOMPLISH SITE CONSTRUCTION OPERATIONS.
9. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
10. PLANT MATERIAL SHALL BE MAINTAINED AND GUARANTEED FOR A PERIOD OF ONE YEAR AFTER OWNER'S ACCEPTANCE OF FINISHED JOB. ALL DEAD OR DAMAGED PLANT MATERIAL SHALL BE REPLACED AT LANDSCAPE CONTRACTOR'S EXPENSE PRIOR TO ACCEPTANCE. RECOMMENDED DATES FOR PLANT MATERIAL INSTALLATION SHALL BE FEBRUARY 15 - MAY 15 AND SEPTEMBER 15 - DECEMBER 15.
11. THE PROJECT MAY BE AWARDED COMPLETION IN PHASES BUT IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNER & LANDSCAPE ARCHITECT WHEN A PHASE IS COMPLETE & A FINAL WALK THROUGH CAN TAKE PLACE. CONTRACTOR SHALL IDENTIFY ON THE PLANS THE LIMITS OF COMPLETED WORK AND/OR PHASES PRIOR TO THE WALK THROUGH.
12. LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL PLANT MATERIAL UNTIL FINAL ACCEPTANCE, AT WHICH POINT THE ONE YEAR GUARANTEE BEGINS.
13. FINISHED GRADE TO BE TOP OF MULCH OR TURF FOR ALL LANDSCAPE AREAS. REFER TO CIVIL PLANS FOR GRADING INFORMATION.

MATERIALS:

14. PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF DISEASE AND INSECTS AS PER AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS.
15. PLANT MATERIAL SHALL NOT BE PRUNED PRIOR TO INSTALLATION. AFTER PLANTS HAVE BEEN INSTALLED, EACH PLANT SHALL BE PRUNED TO UNIFORMITY.
16. SHREDDED BARK MULCH SHALL BE FINELY CHIPPED AND SHREDDED DARK BROWN HARDWOOD CHIPS CONSISTING OF PURE WOOD PRODUCTS AND FREE OF ALL FOREIGN SUBSTANCES.
17. CONTRACTOR SHALL USE AN APPROVED TREE TIE SYSTEM THAT IS EASILY ADJUSTABLE, STRONG IN ALL WEATHER, AND EASILY ATTACHED AND REMOVED. HOSE AND WIRE ARE NOT ACCEPTABLE FOR STAKED TREES. PROVIDE THE FOLLOWING OR APPROVED EQUAL: "CINCH TIES" BY J. LICHTENTHALER, "ADJ-A-TYPE" BY HEAVYWEIGHT ONLY, A PLASTIC CHAIN TWIST TIE, OR "PLASTIC BINDER TYE" A TIE WITH TAPERED BEADS THAT SNAP LOCK BY A.M. LEONARD AND SONS.
18. SOD SHALL BE CERTIFIED TURFGRASS SOD COMPLYING WITH ASPA SPECIFICATIONS FOR MACHINE-CUT THICKNESS, SIZE, STRENGTH, MOISTURE CONTENT, AND MOWED HEIGHT, AND FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES. SOD SHALL BE A BLEND OF NOT LESS THAN 3 IMPROVED KENTUCKY BLUEGRASS (POSPARATENSIS) VARIETIES, A NATIVE MIXTURE OF HOUNDOG, REBEL, OR FALCON, FINE LEAFED TALL FESCUE (FESTUCA ARUNDINACEA) AND RYE (LOLIUM JULTIFLORUM AND PERENE DOMESTIC). IT SHALL BE A MIX OF 20% KENTUCKY BLUEGRASS, 70% FINELEAFED TALL FESCUE, AND 10% RYE. SOD SHALL BE WELL ROOTED, 2 YEAR OLD STOCK, HARVESTED IN ROLLS, FERTILIZED 2-3 WEEKS PRIOR TO CUTTING. ALL SOD SHALL BE MACHINE CUT AND VIGOROUSLY GROWING (NOT DORMANT). MAXIMUM TIME FROM STRIPPING TO PLANTING SHALL BE 24 HOURS.
19. ALL NEW PLANT BED AREAS TO BE IRRIGATED. REFER TO SPECIFICATIONS.
20. STEPPING STONES SHALL BE JAMES CREEK (RECTILINEAR OR ASHLAR AS IDENTIFIED IN THE PLANS), BY HOUSE OF ROCKS OR APPROVED EQUAL. 1"-3" THICK.
21. ROCK BEDS SHALL SHALL BE BUFFALO RIVER ROCK, 1"-2.5", BY HOUSE OF ROCKS OR APPROVED EQUAL. ALL ROCK BED AREAS SHALL HAVE FILTER FABRIC & BE 4" MIN. DEPTH.

INSTALLATION:

1. RECOMMENDED DATES FOR TREE AND SHRUB PLANTING SHALL BE FEBRUARY 15 - MAY 31 AND SEPTEMBER 15 - DECEMBER 15.
2. STRIP TOP SOIL & SAVE FOR PLANTING AREAS. EXCAVATE TO A DEPTH OF 6" FOR ALL LAWN AREAS AND AMEND WITH PLANTING SOIL MIX. A 10-10-10 FERTILIZER SHALL BE SPREAD OVER ALL PLANTING AREAS PRIOR TO PLANTING, AT A RATE OF 50 POUNDS PER 2,000 SQUARE FEET. REFER TO PLANTING DETAILS FOR PLANTING SOIL MIX DEPTHS FOR PERENNIAL, GROUNDCOVER, SHRUB BEDS AND TREE PLANTING.STRIP TOP SOIL & SAVE FOR PLANTING AREAS. EXCAVATE TO A DEPTH OF 12" FOR ALL PLANTING BEDS AND REPLACE WITH PLANTING SOIL MIX.
3. A 10-10-10 FERTILIZER SHALL BE SPREAD OVER ALL PLANTING AREAS PRIOR TO PLANTING, AT A RATE OF 50 POUNDS PER 2,000 SQUARE FEET.
4. AFTER PLANTS HAVE BEEN INSTALLED, ALL PLANTING BEDS SHALL BE TREATED WITH DACTHAL PRE-EMERGENT HERBICIDE PRIOR TO MULCH APPLICATION.
5. PLANT PIT BACKFILL FOR TREES AND SHRUBS SHALL BE 25% COTTON BOLL COMPOST, AND 25% TOPSOIL, AND 50% EXISTING SOIL. TOPSOIL SHALL BE NATURAL FERTILE, FRIABLE SOIL POSSESSING CHARACTERISTICS OF REPRESENTATIVE PRODUCTIVE SOILS IN THE AREA. SOIL SHALL NOT BE EXCESSIVELY ACID, ALKALINE OR TOXIC THAT MAY BE HARMFUL TO PLANT GROWTH. ALSO, FREE OF CLAY LUMPS, STONES, STUMPS, ROOTS OR SUBSTANCE 2" OR MORE IN DIAMETER.
6. PLANTED BED EDGES SHALL BE IN STRAIGHT LINES OR GENTLE FLOWING CURVES. SUDDEN CURVES OR SHARP ANGLES SHOULD BE AVOIDED.
7. V-CUT EDGE SHALL BE DUG TO 6" DEPTH WITH ANGLED EDGE ON LANDSCAPE BED SIDE, AND VERTICAL EDGE ON TURF SIDE. BACKFILL V-CUT EDGE WITH SHREDDED HARDWOOD MULCH TO GRADE.
8. MULCH ALL PLANTING BED AREAS TO A MINIMUM DEPTH OF 3". MULCH INDIVIDUAL TREES TO A MINIMUM DEPTH OF 4".

IRRIGATION PERFORMANCE SPECIFICATIONS:
PROVIDE 100% COVERAGE COMPLETE WORKING IRRIGATION SYSTEM FOR ALL NEW TURF AREAS (SEED AND/OR SOD), ALL NEW PLANTING BEDS, AND ALL NEW TREES AND EXISTING TREES TO REMAIN. INCLUDE ELECTRICAL CONNECTION AND IRRIGATION SLEEVES AS NECESSARY. DRIP IRRIGATE ALL PLANTING BEDS. PRIOR TO INSTALLATION, PROVIDE PLAN SHOWING ALL IRRIGATION MATERIALS INCLUDING ALL EQUIPMENT SIZES AND DETAILS TO LANDSCAPE ARCHITECT FOR APPROVAL. COMPLY WITH REQUIREMENTS OF AUTHORITY WITH JURISDICTION FOR IRRIGATION SYSTEMS & BACKFLOW PREVENTOR. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS TO LANDSCAPE ARCHITECT & OWNER AFTER FINAL INSTALLATION AND PRIOR TO FINAL ACCEPTANCE. INCLUDING ALL HEAD & EQUIPMENT LOCATIONS & MAINTENANCE DATA FOR ALL EQUIPMENT PROVIDED. CONTRACTOR SHALL PROVIDE AN ON-SITE WALK THROUGH OF THE SYSTEM AND FULLY DESCRIBE ITS OPERATION WITH OWNER. CONTRACTOR SHALL ACHIEVE FINAL ACCEPTANCE WHEN SYSTEM IS FULLY OPERATIONAL, AND APPROVED BY OWNER, AND AS-BUILT DRAWINGS AND PROJECT MANUALS HAVE BEEN ACCEPTED AND APPROVED.

PIPING SPECIFICATIONS:
A. MINIMUM WORKING PRESSURE RATINGS:
   1. PRESSURE PIPING: 150 PSIG (1035 KPA).
   2. CIRCUIT AND DRAIN PIPING: 100 PSIG (690 KPA)
B. MAIN LINE TO BE CL-200 POLYVINYL CHLORIDE PIPE OR ASTM D 1785, PVC 1120, SCHEDULE 40, SOCKET-TYPE FITTINGS; AND SOLVENT-CEMENTED JOINTS OR APPROVED EQUAL.
   1. PIPE UP TO AND INCLUDING 2-1/2 INCHES IN DIAMETER SHALL HAVE BELL AND SOCKET JOINTS.
   2. PIPE GREATER THAT 2-1/2 INCHES IN DIAMETER SHALL HAVE SNAP CONNECTIONS WITH RUBBER GASKET JOINTS.
      A. THRUST BLOCKS SHALL BE REQUIRED IN CONJUNCTION WITH RUBBER GASKET JOINT PIPE.
C. LATERAL LINES TO BE CL-200 PVC PIPE OR APPROVED EQUAL.
D. DRIP TUBING: POLY TUBING OR APPROVED EQUAL.
E. SLEEVES: MINIMUM DIAMETER OF 2 TIMES LARGER THAN THE PIPE OR PIPE(S) SCHEDULED TO PASS THROUGH THEM. SLEEVES SHALL BE A MINIMUM OF 2 INCH DIAMETER AND SHALL BE SCHEDULE 40 PVC PIPE.
F. PLASTIC FITTINGS:
   1. UTILIZED THROUGHOUT THE SYSTEM (MAINS AND LATERALS) IN WARM CLIMATES AND MAIN LINES IN COLDER CLIMATES: SCHEDULE 40 PVC PIPE.
   2. UTILIZED FOR LATERALS OF FLEXIBLE POLYETHYLENE PIPE, TYPE 1 PVC INSERT FITTINGS DESIGNED FOR USE WITH THIS TYPE OF PIPE CONFORMING TO ASTM D 2609.
      A. PIPE AND FITTINGS SHALL BE JOINED WITH STAINLESS STEEL LOCKING PINCH CLAMPS OR STAINLESS STEEL SCREW CLAMPS.
G. MINIMUM COVER:
   1. IN LAWN AND PLANTING AREAS:
      A. MAINS - MINIMUM 18 INCHES BELOW FINISH GRADE.
      B. LATERALS AND CONTROL VALVES - MINIMUM 12 INCHES BELOW FINISH GRADE.
   2. ROADWAYS OR PARKING AREAS: MINIMUM 24 INCHES BELOW FINISH GRADE.
H. CLEARANCES: MINIMUM OF 3-INCHES BETWEEN PARALLEL LINES IN THE SAME TRENCH OR VERTICAL CLEARANCE BETWEEN LINES CROSSING AT ANGLES.

A NEW MULTI-FAMILY PROJECT:
EVREN APARTMENTS
LEE'S SUMMIT, MISSOURI

DRAWING RELEASE LOG
- 09.16.24 PERMIT SET
- 10.28.24 CITY COMMENTS

REVISIONS
1 10.28.24 FDP COMMENTS 2

JOB NO. 720522
DATE 09.16.2024
DRAWN BY SLW / KRM
PERMIT SET

SHEET NAME
PLANTING DETAILS

SHEET NO.
L3.00

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