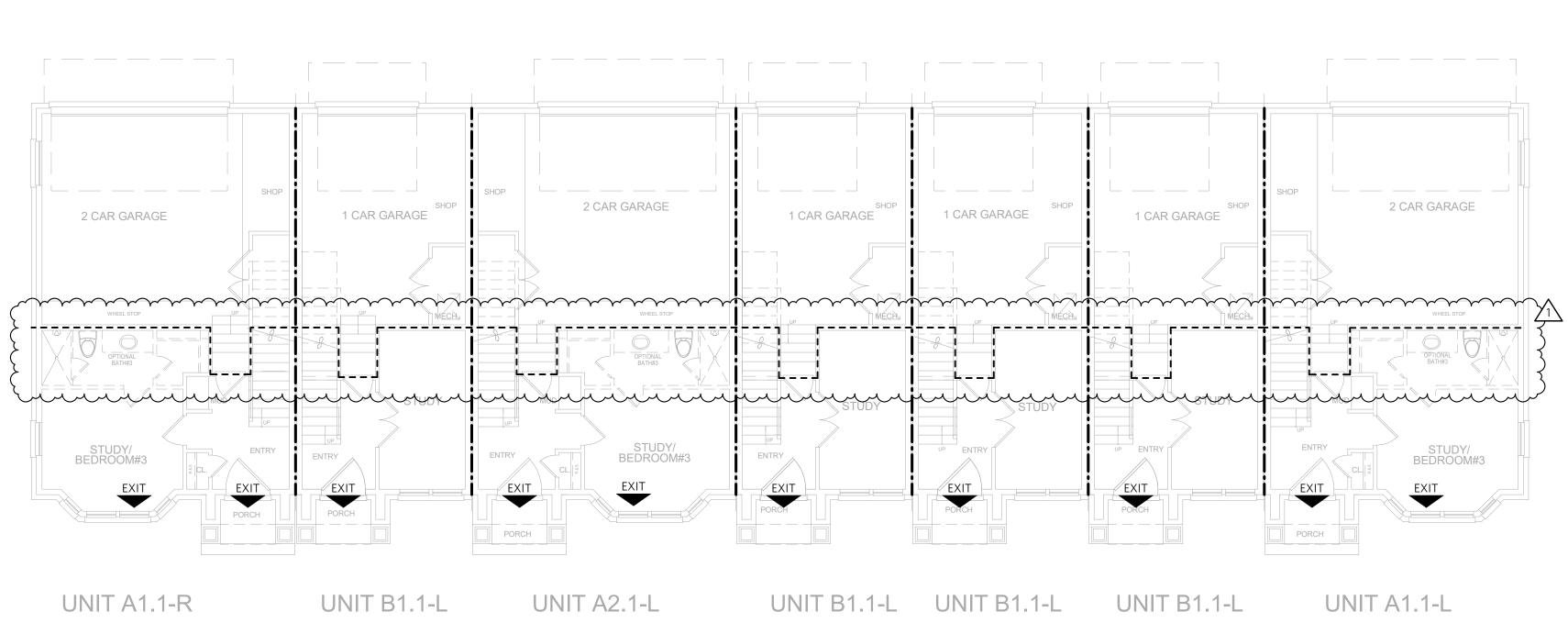
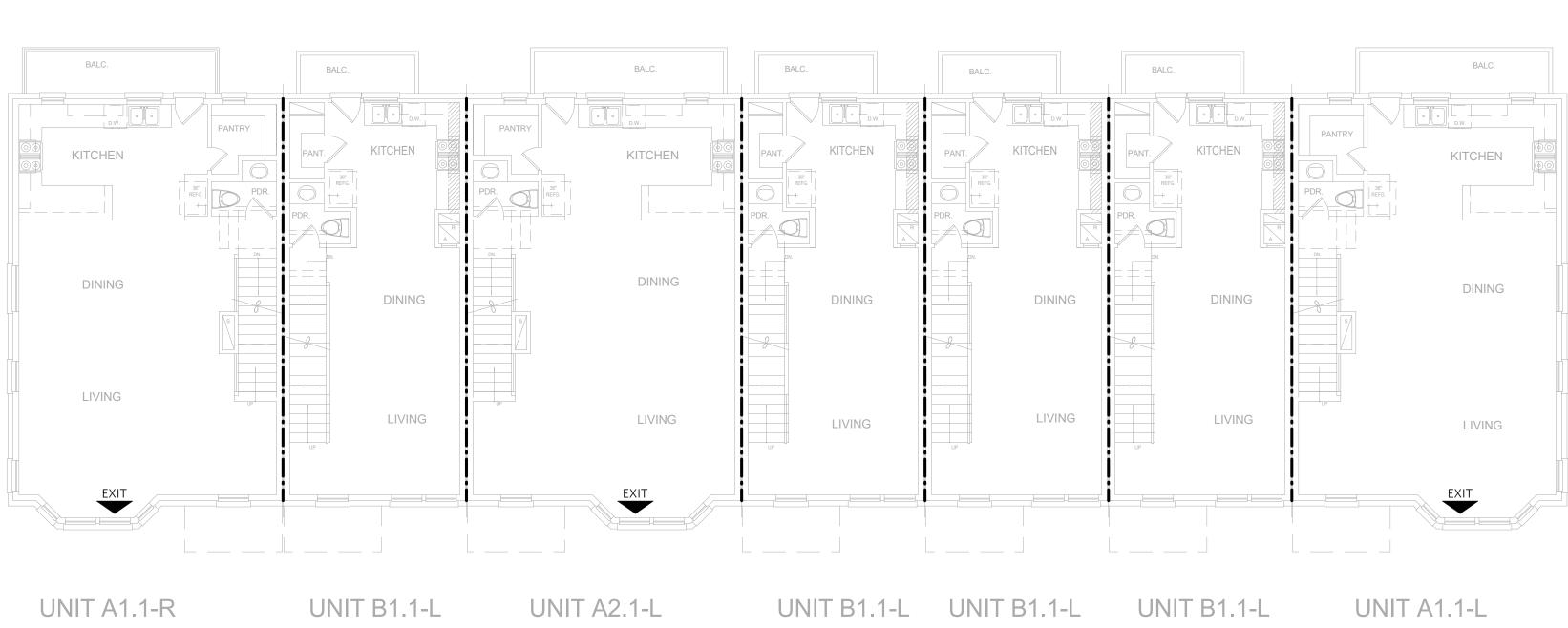


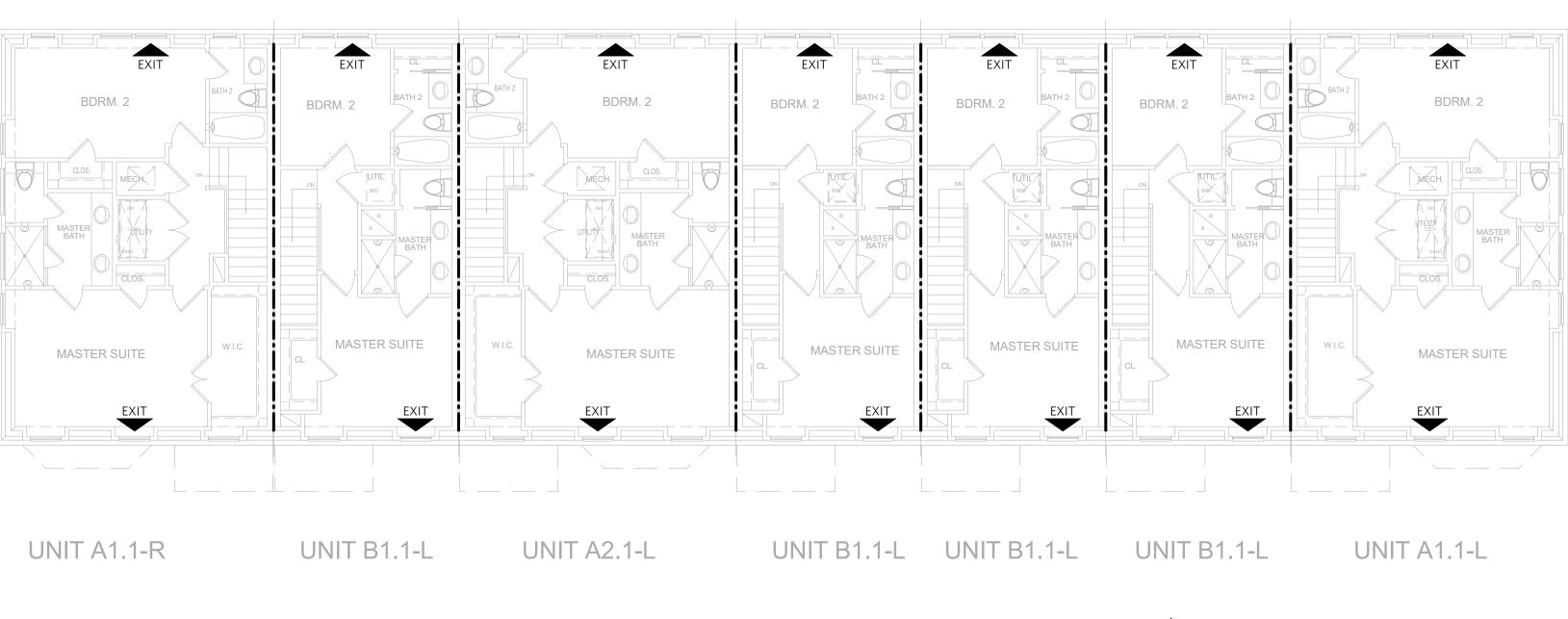
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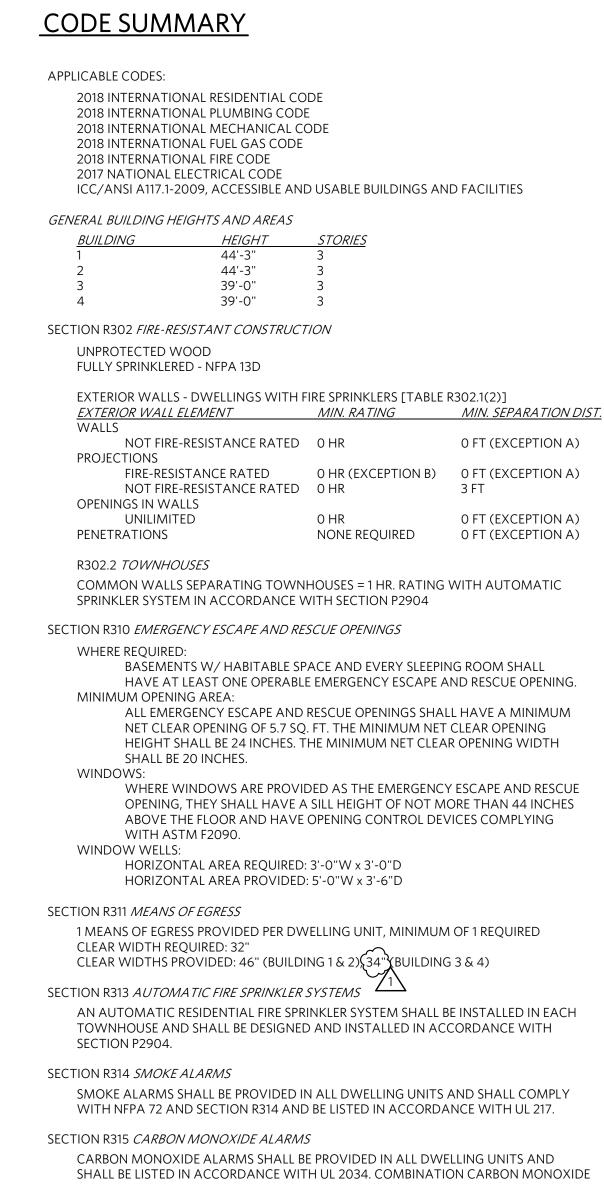




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03 BUILDING 1 - THIRD FLOOR CODE PLAN



AND SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 2034 AND UL 217. LOCAL JURISDICTION CITY OF LEE'S SUMMIT, MO MUNICIPAL CODE

CODE LEGEND

THOUR RATED PER UL U378. REF. 3/A004 ---- DWELLING - GARAGE SEPARATION

02 BUILDING 1 - SECOND FLOOR CODE PLAN

<u>BUILDING 1</u> TOTAL BUILDING AREA: 14,135 SF 01 BUILDING 1 - FIRST FLOOR CODE PLAN 1/8" = 1'-0" TOTAL LIVING AREA: 11,153 SF

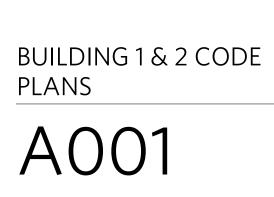
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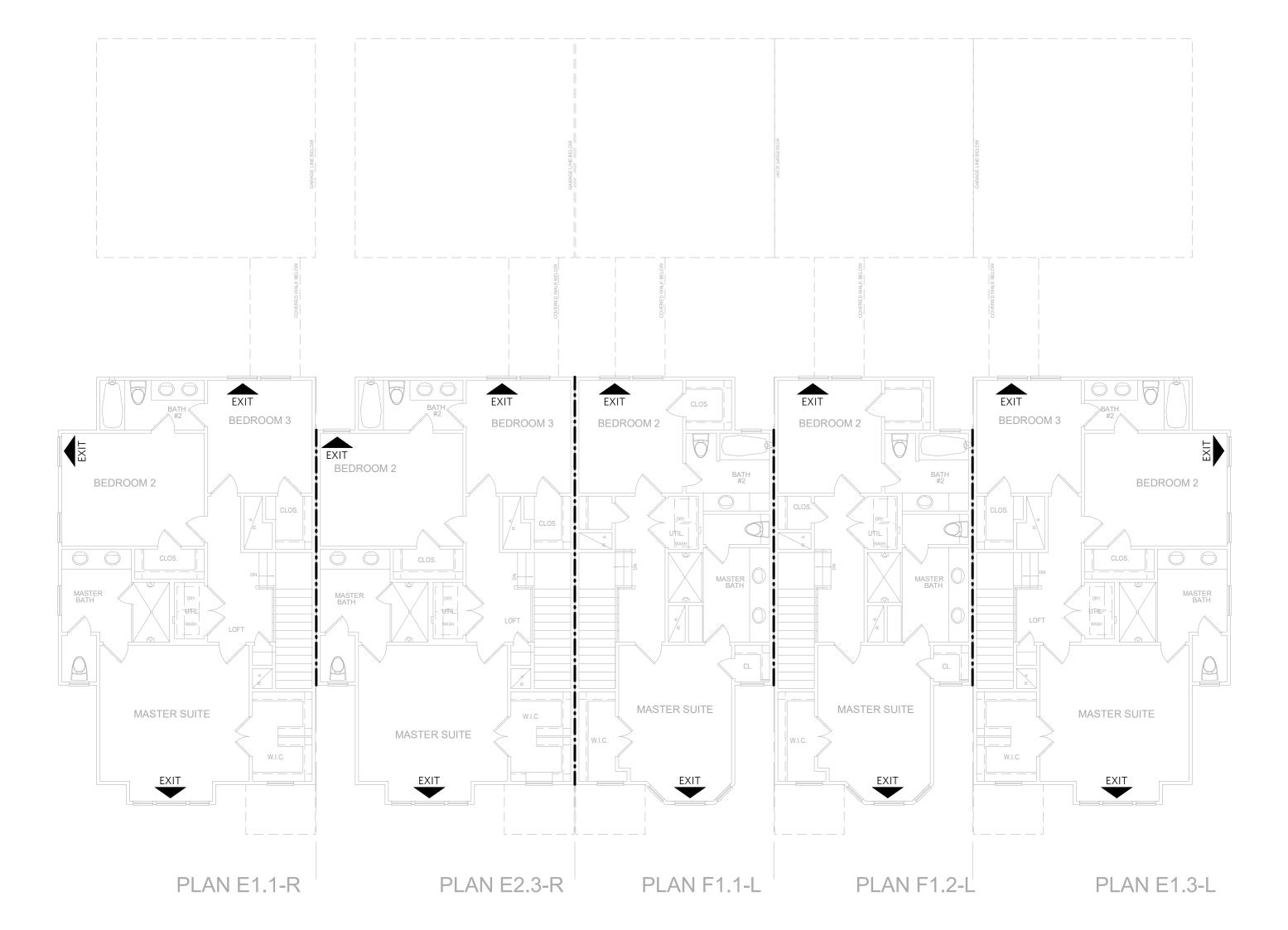


THE STATE OF MISSOURI.

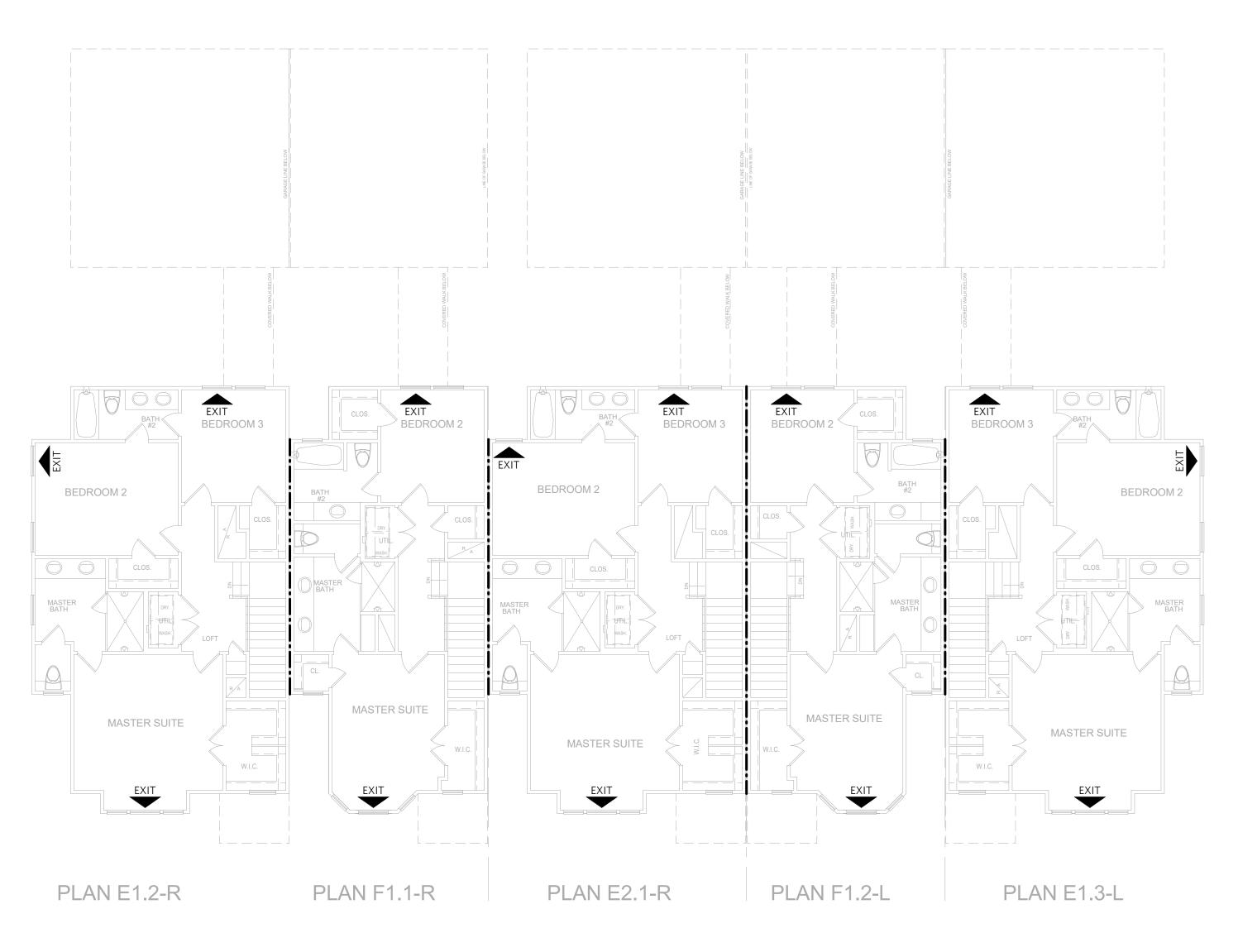
REV ISSUE DATE PERMIT REVIEW 2023 01 26

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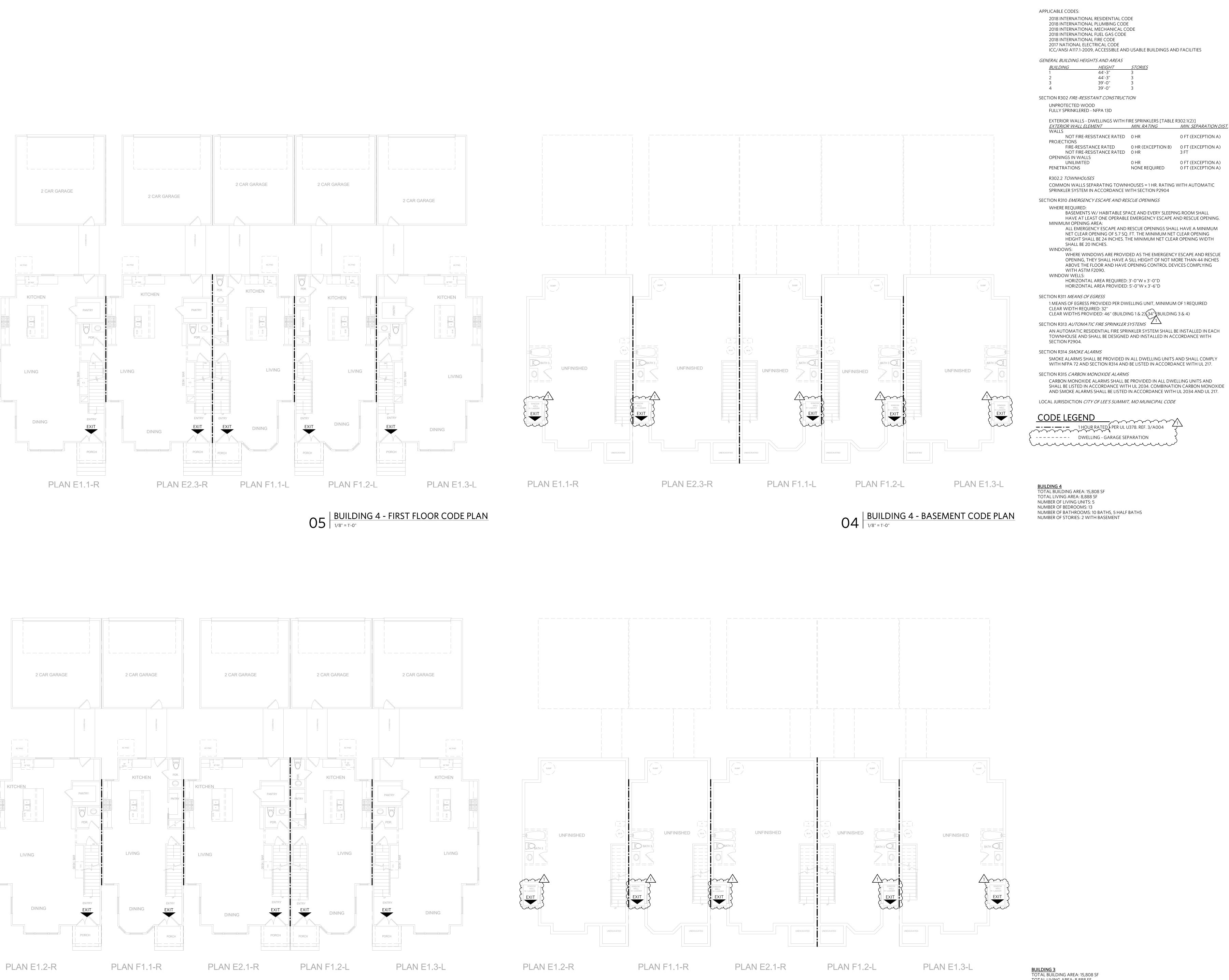
06 BUILDING 4 - SECOND FLOOR CODE PLAN



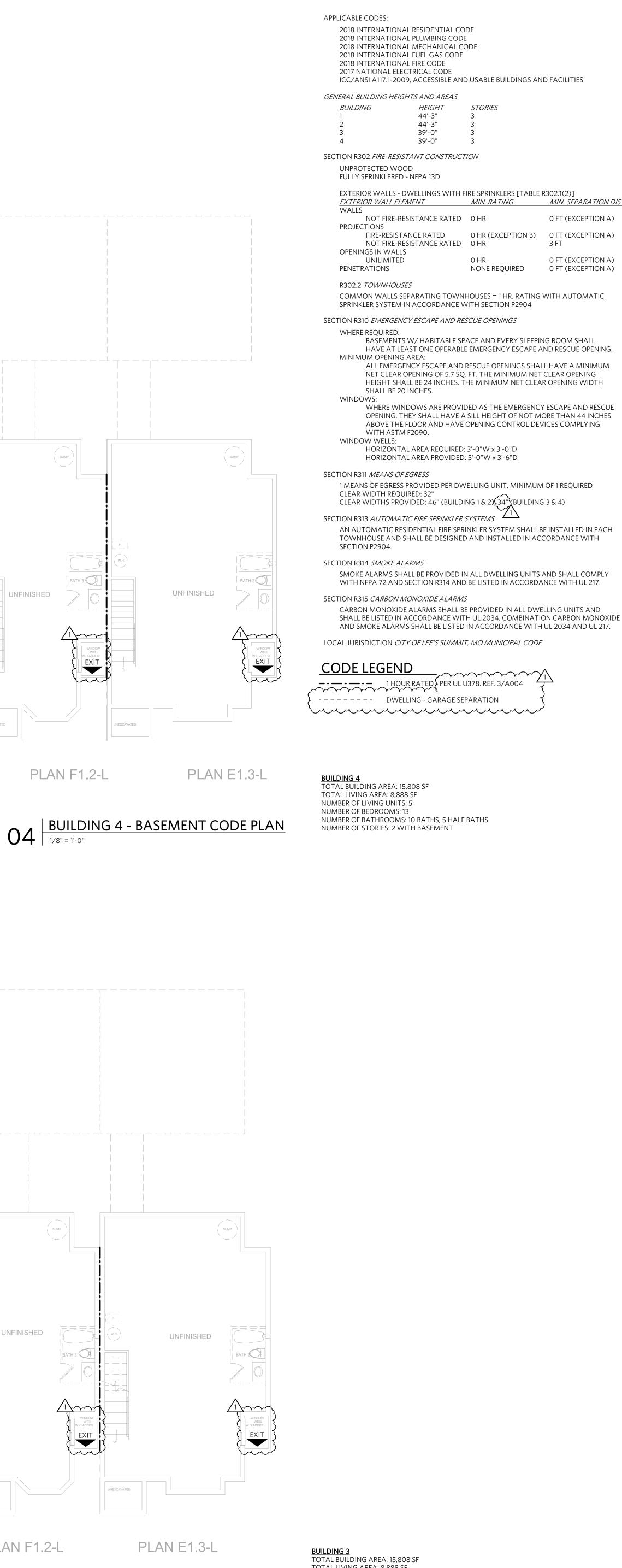
03 BUILDING 3 - SECOND FLOOR CODE PLAN

02 BUILDING 3 - FIRST FLOOR CODE PLAN









CODE SUMMARY

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01 BUILDING 3 - BASEMENT CODE PLAN

TOTAL LIVING AREA: 8,888 SF NUMBER OF LIVING UNITS: 5 NUMBER OF BEDROOMS: 13 NUMBER OF BATHROOMS: 10 BATHS, 5 HALF BATHS NUMBER OF STORIES: 2 WITH BASEMENT

 \square

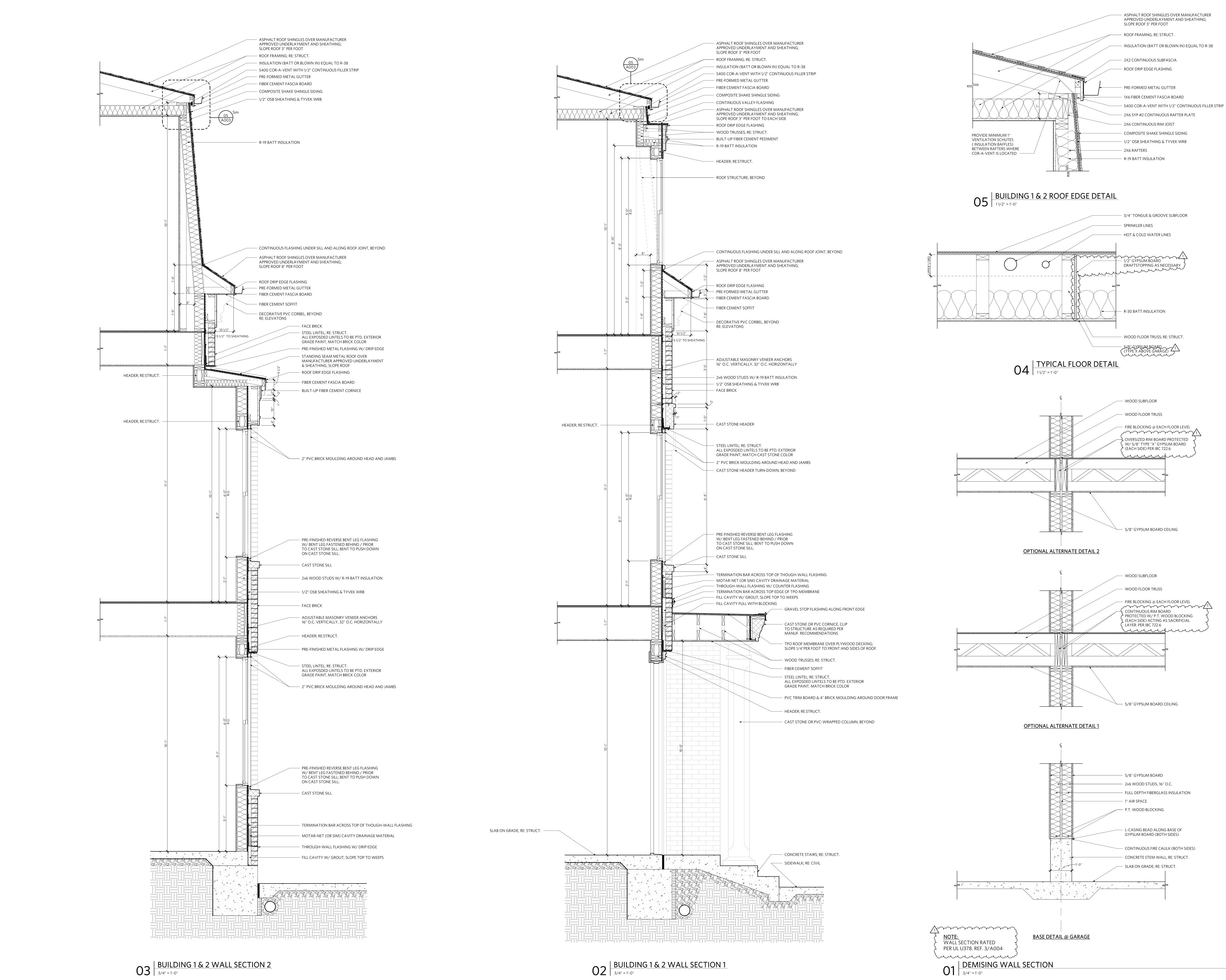


WERE PREPARED OR APPROVED BY THE LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MISSOURI.

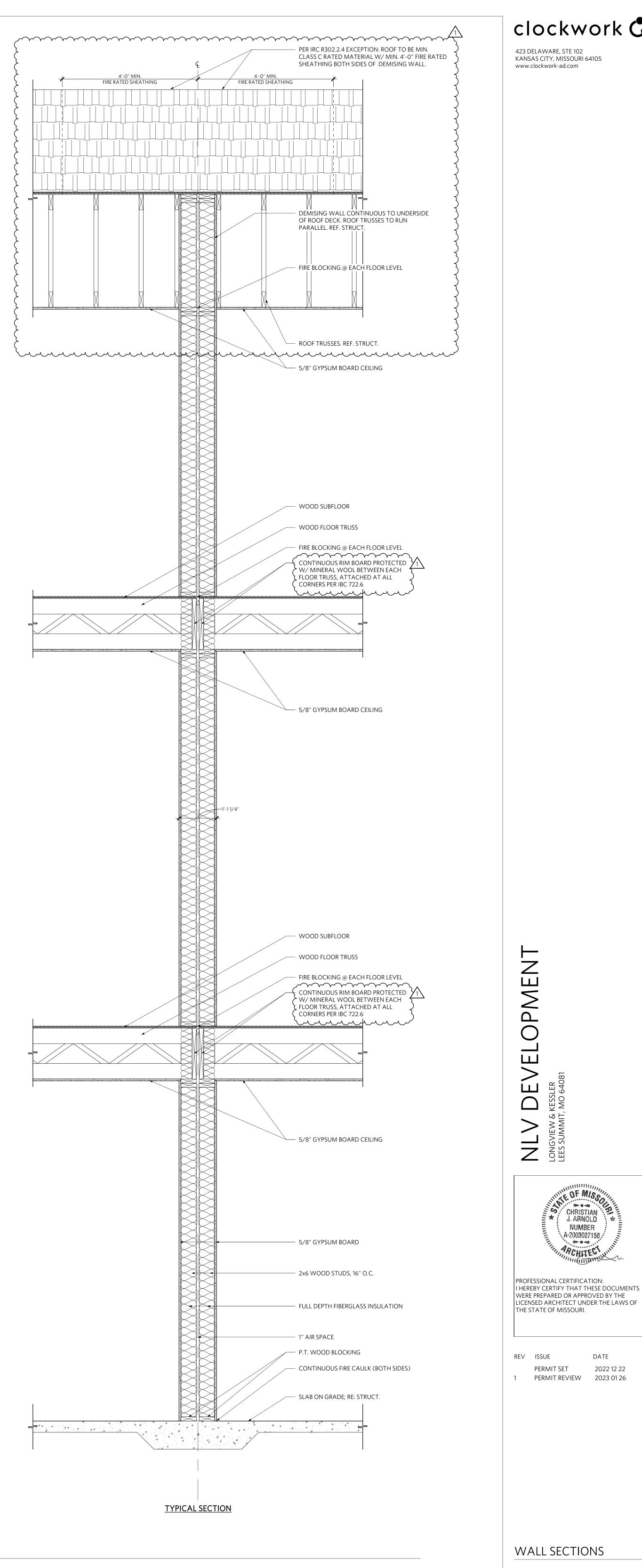
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BUILDING 3 & 4 CODE PLANS A002



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WALL SECTIONS A003

IN E OF MISS

CHRISTIAN J. ARNOLD NUMBER A-2003027158

DATE

PERMIT SET 2022 12 22

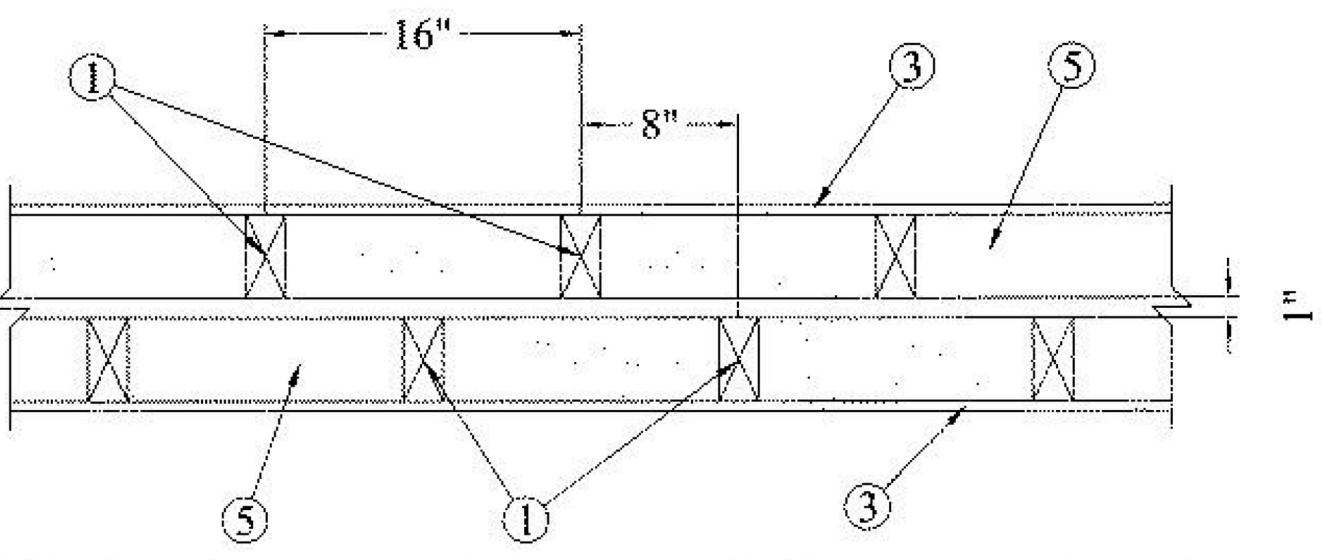
PERMIT REVIEW 2023 01 26

Design No. U378

Finish Rating — See Item 3

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Wood Studs — Double row of nominal 2 x 4 in. studs, spaced 16 in. OC and cross-braced at mid-height. Opposite rows spaced 1 in. apart, staggered 8 in. OC and joined at the top and bottom with bearing plates.

2. Bearing Plates — (not shown) Nominal 2 x 4 in. Two layers on top and one layer on bottom for each row of studs.

3. Wallboard, Gypsum* — For 1-1/2 Hr Rating — Finish rating is 20 minutes. One layer of 5/8 in. thick wallboard, 4 ft wide. Applied vertically and nailed to studs and bearing plates 7 in. OC with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diameter and 1/4 in. diameter head. Vertical joints centered over studs. As an alternative, No. 6 bugle head drywall screws, 1-7/8 in. long may be substituted for the 6d cement coated nails. For 2 Hr Rating (Not Shown) — Finish rating is 31 minutes. Two layers of 5/8 in. thick wallboard, 4 ft wide. Inner layer applied vertically and nailed to studs and bearing plates 6 in. OC with 6d cement coated nails, 1-7/8 in. long, 0.0915 in. shank diameter and 1/4 in. diameter head, with first nail starting 3 in. from all edges. Outer layer applied vertically and nailed to studs and bearing plates 8 in. OC with 8d cement coated nails, 2-3/8 in. long, 0.113 in. shank diameter and 9/32 in. diameter head, with first nail starting 4 in. from all edges. Vertical joints centered over studs. All joints in face layers staggered with joints in base layers. **UNITED STATES GYPSUM CO** — Type C

compound.

5. Loose Fill Materials* — Blown-in fiberglass loose-fill insulation material. The insulation is blown into the wall cavity to completely fill the enclosed 8 in. cavity in accordance with the application instructions supplied with the product. The minimum average overall density is 2.6 lb/ft³ dry blown, with no individual density less than 2.2 lb/ft³ dry blown. **OWENS CORNING** — ProPink Complete, ProPink L77 or ProPink Multi-Spec.

6. Retention Fabric — (Not shown) - ProPink Complete, ProPink L77 or ProPink Multi-Spec non-woven fibrous fabric material attached with staples to the outer face of one row of studs to facilitate the installation of the insulation.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

3 UL U378 WALL RATING NOT TO SCALE

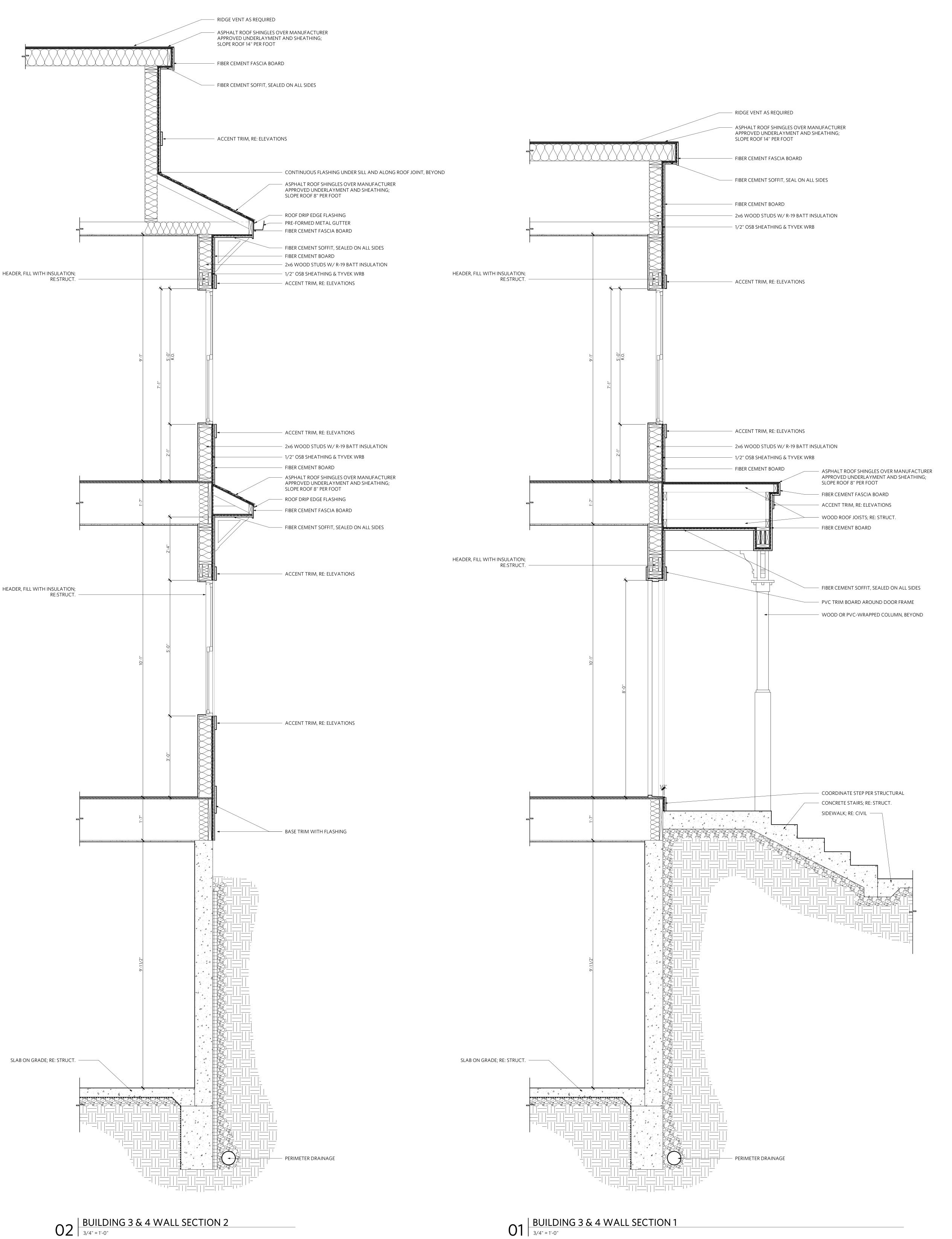
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February 06, 2018

Bearing Wall Rating — 1-1/2 or 2 Hr. (See Item 3)

4. Joints and Nailheads — (Not shown) — Wallboard joints taped and both joints and nailheads covered with joint

Last Updated on 2018-02-06





PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENT WERE PREPARED OR APPROVED BY THE LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MISSOURI.

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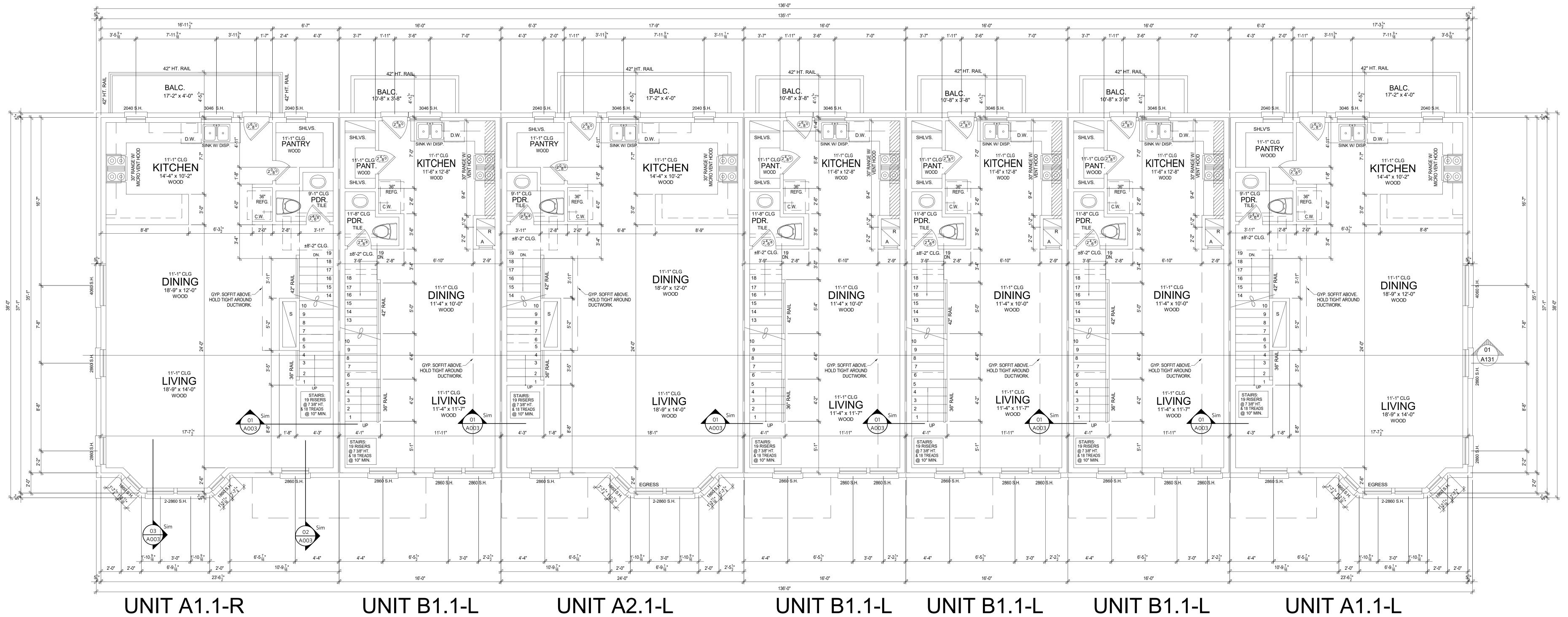


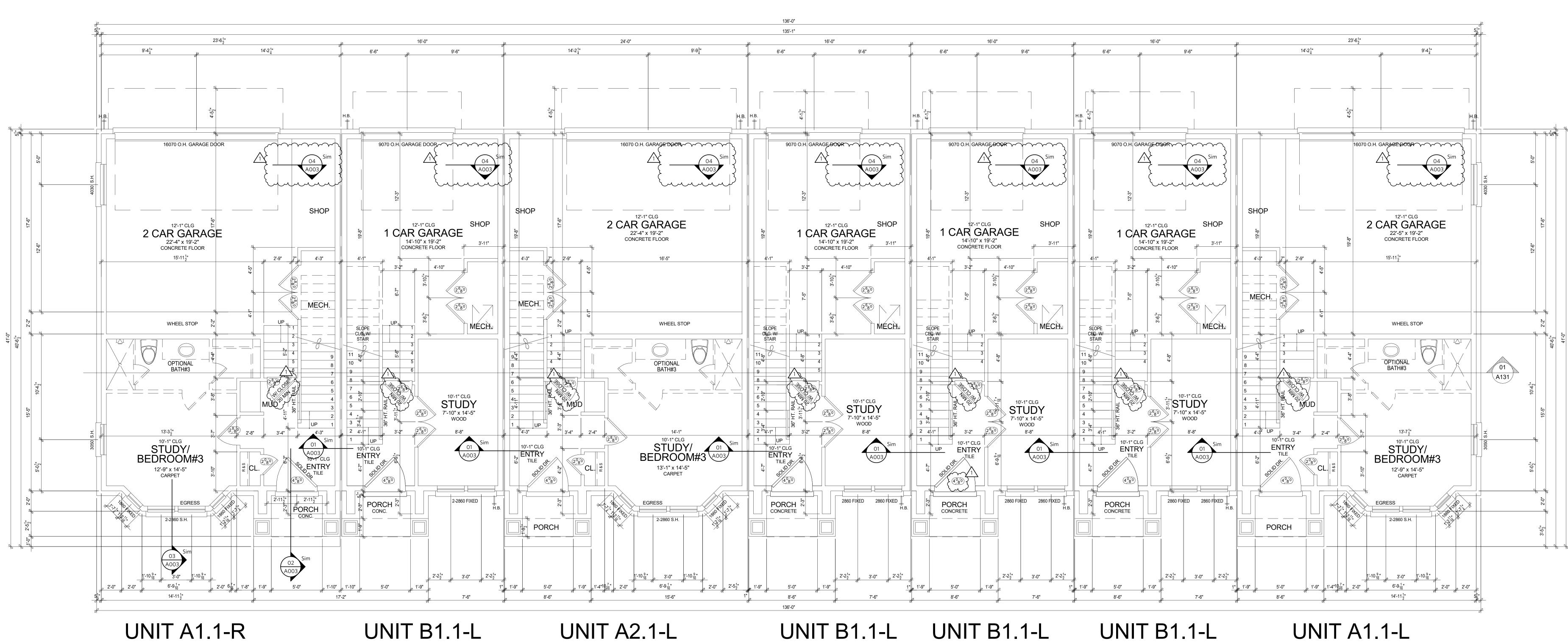
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01 BUILDING 1 - FIRST FLOOR PLAN

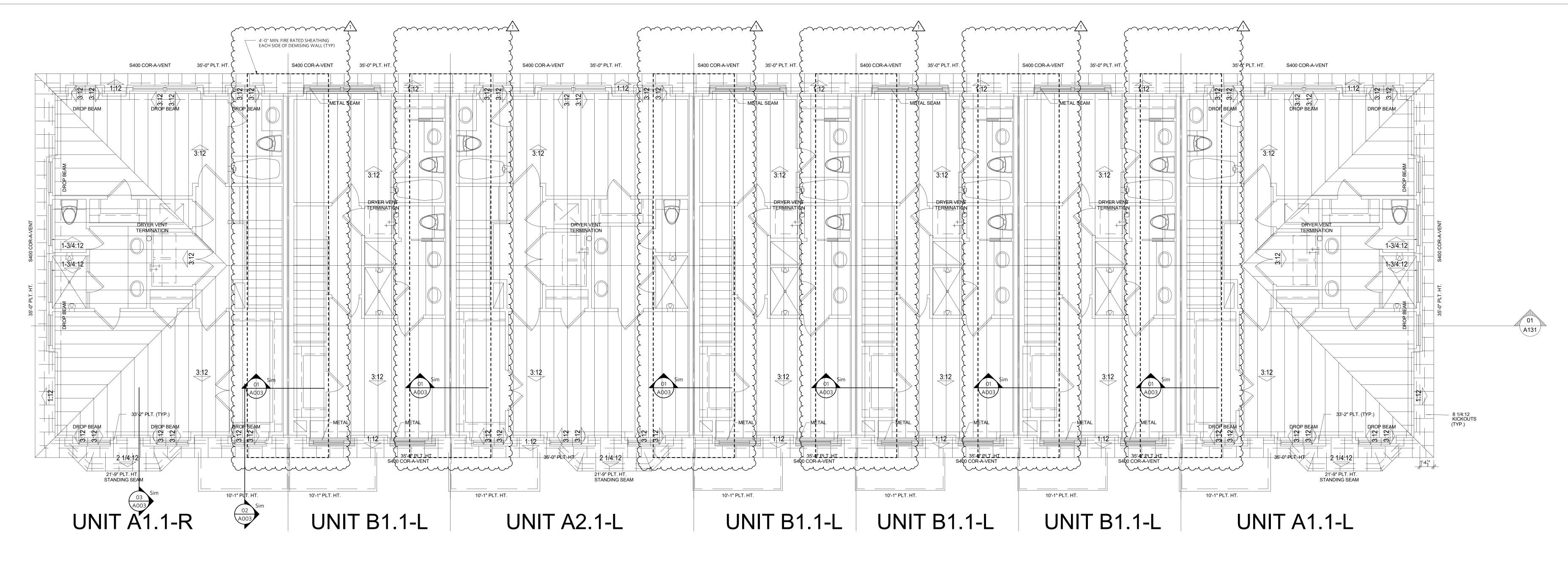
02 BUILDING 1 - SECOND FLOOR PLAN

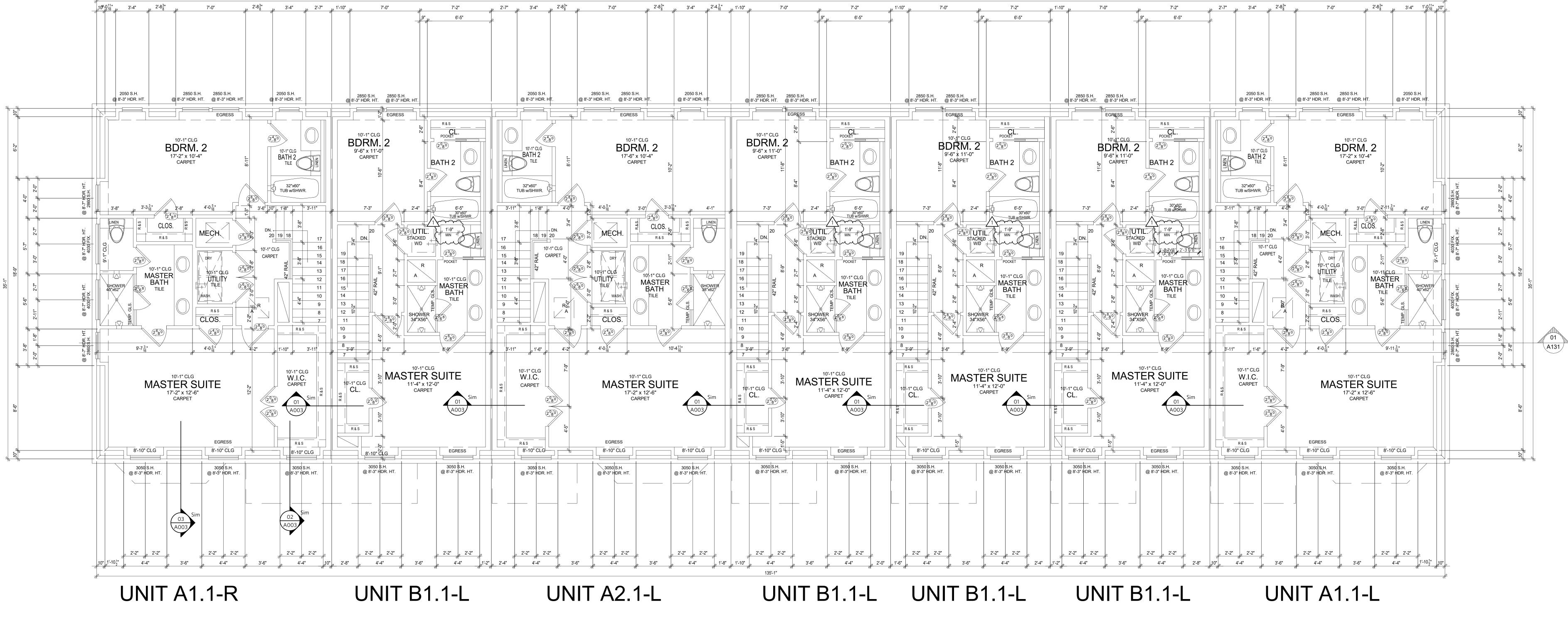


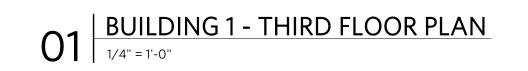




BUILDING 1 - FIRST AND SECOND FLOOR PLAN A111







02 BUILDING 1 - ROOF PLAN 1/4" = 1'-0"





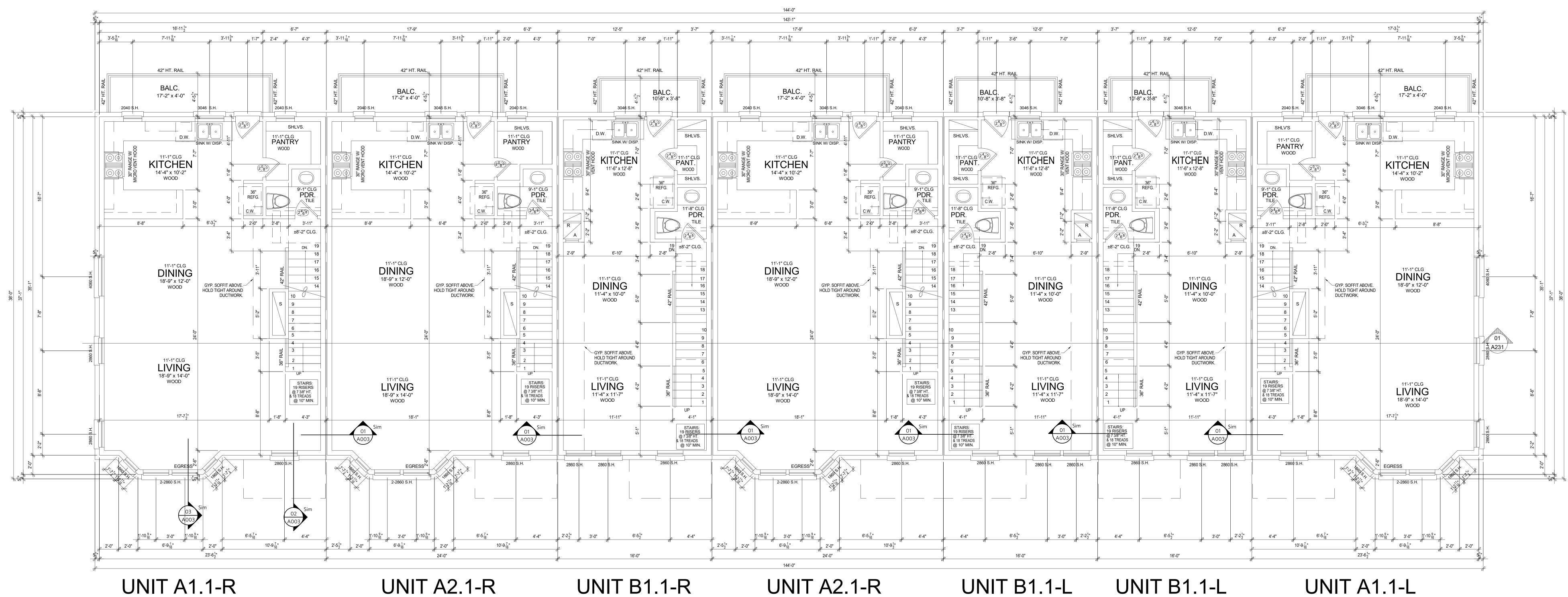
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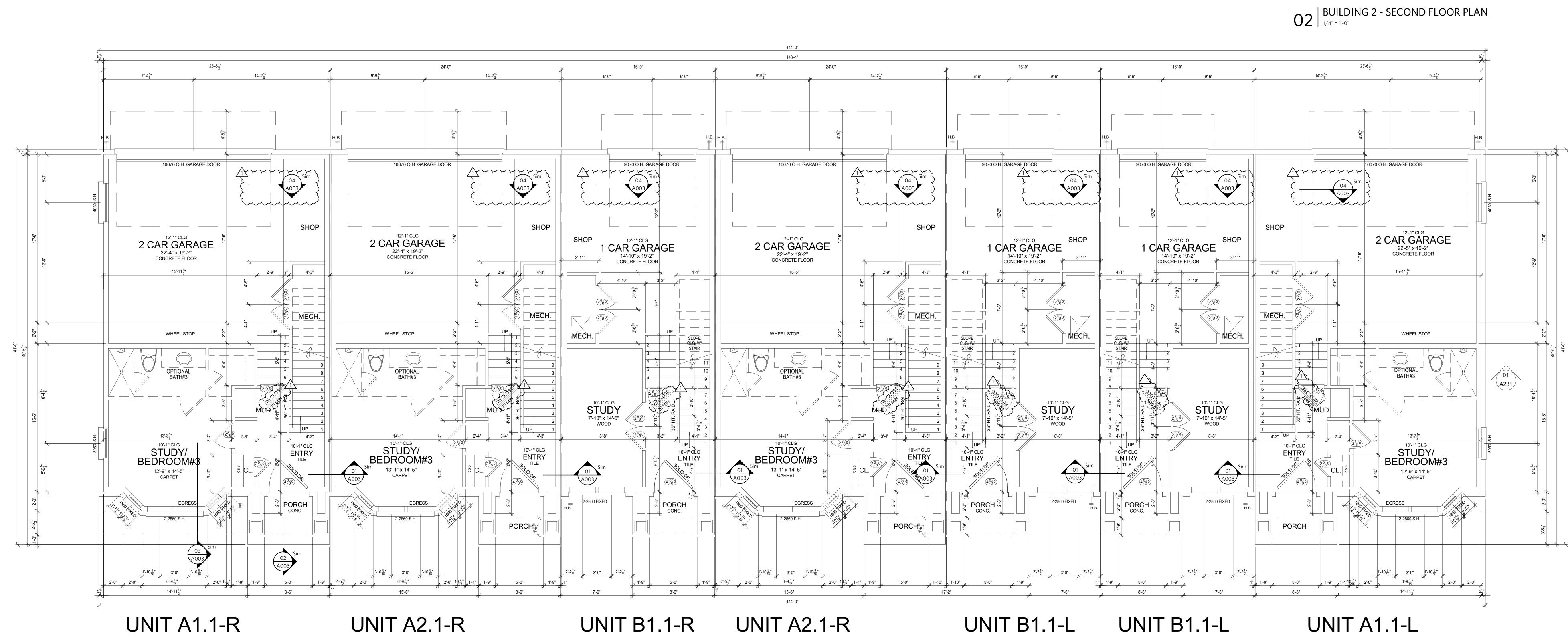
DATE

BUILDING 1 - THIRD FLOOR AND ROOF PLAN





UNIT A1.1-R



- UNIT A2.1-R
- UNIT B1.1-L
- UNIT B1.1-L

UNIT A1.1-L

01 BUILDING 2 - FIRST FLOOR PLAN

NLV LONGVIEW

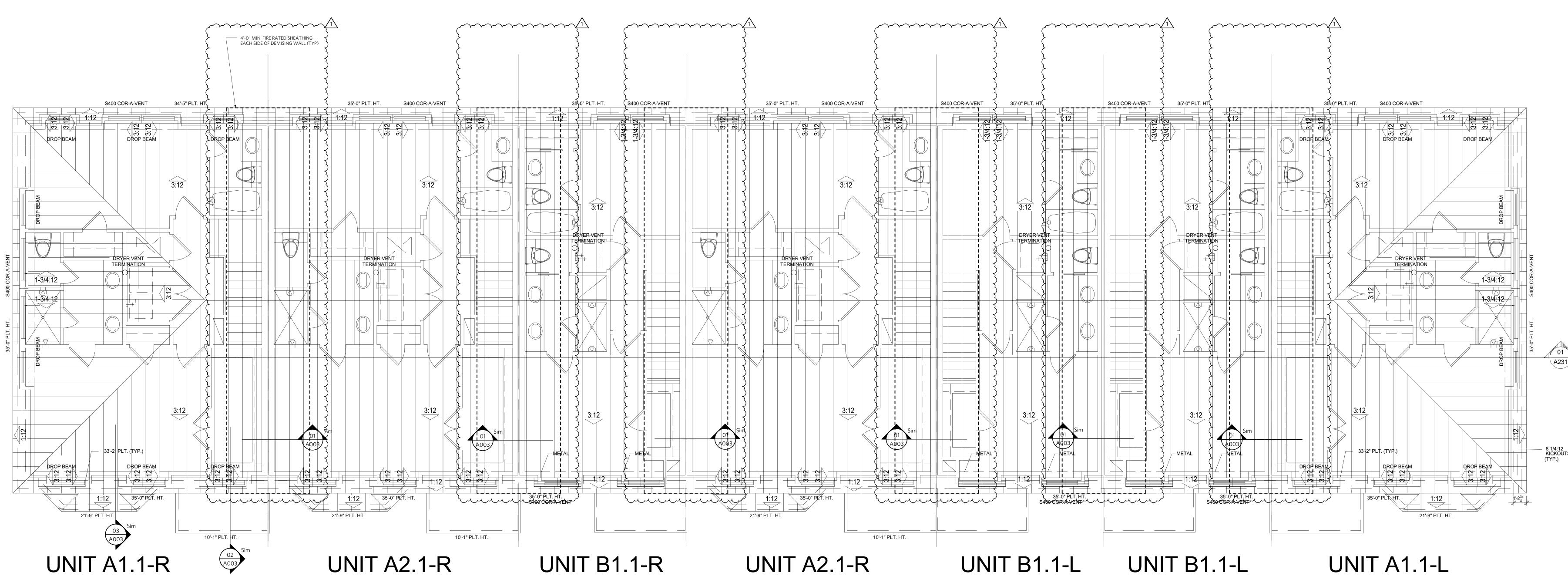


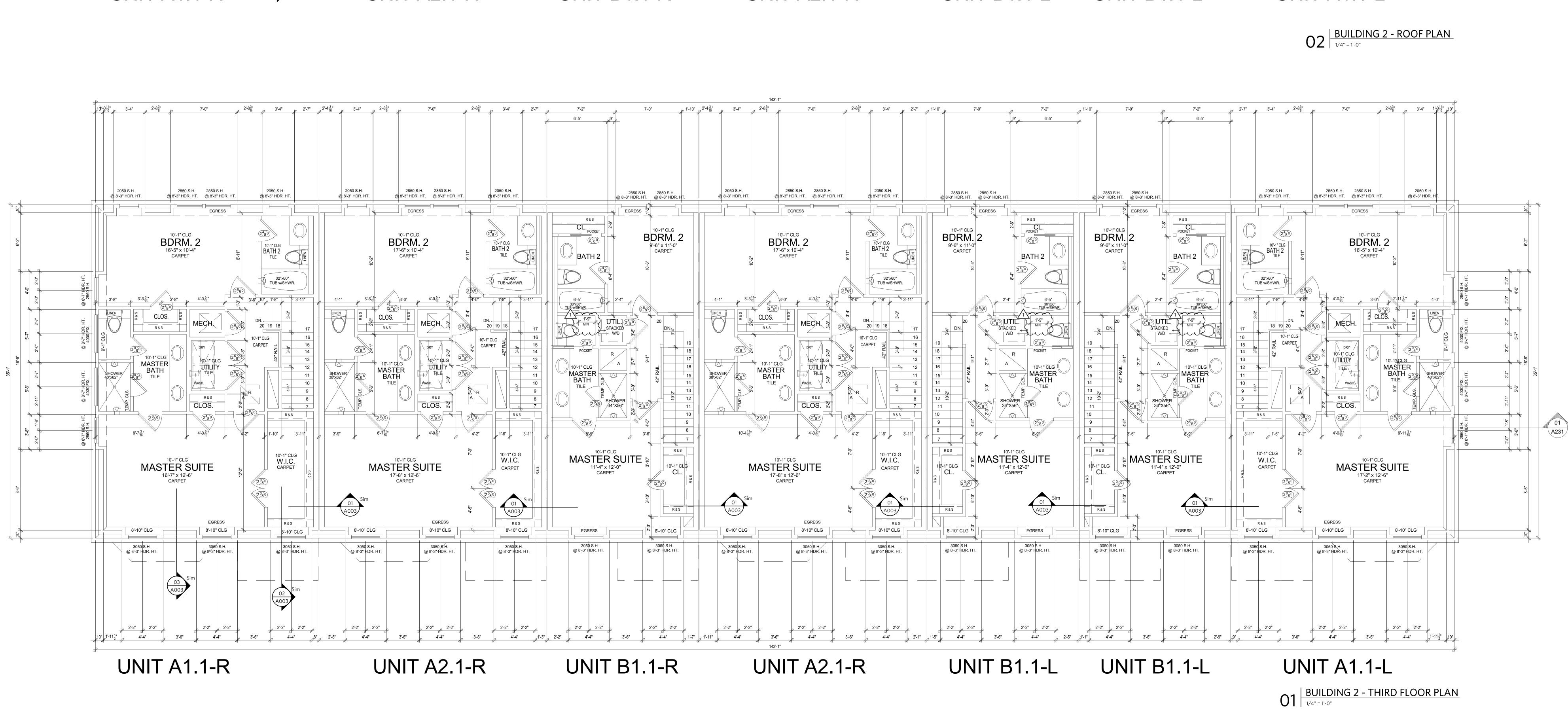
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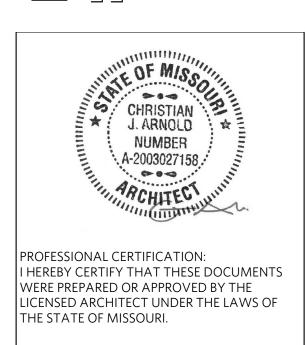
BUILDING 2 - FIRST AND SECOND FLOOR PLAN A211







NLV Longview

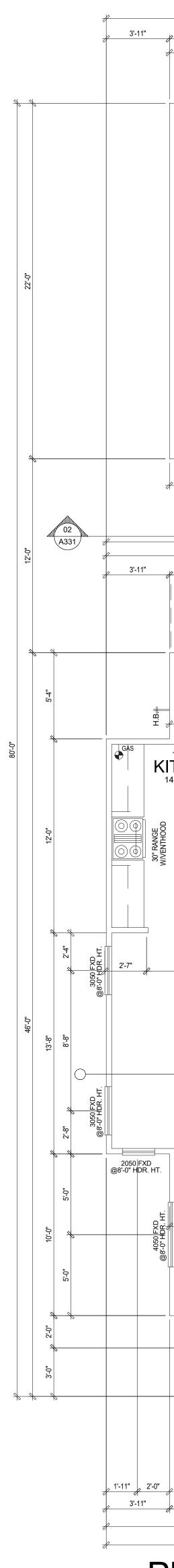


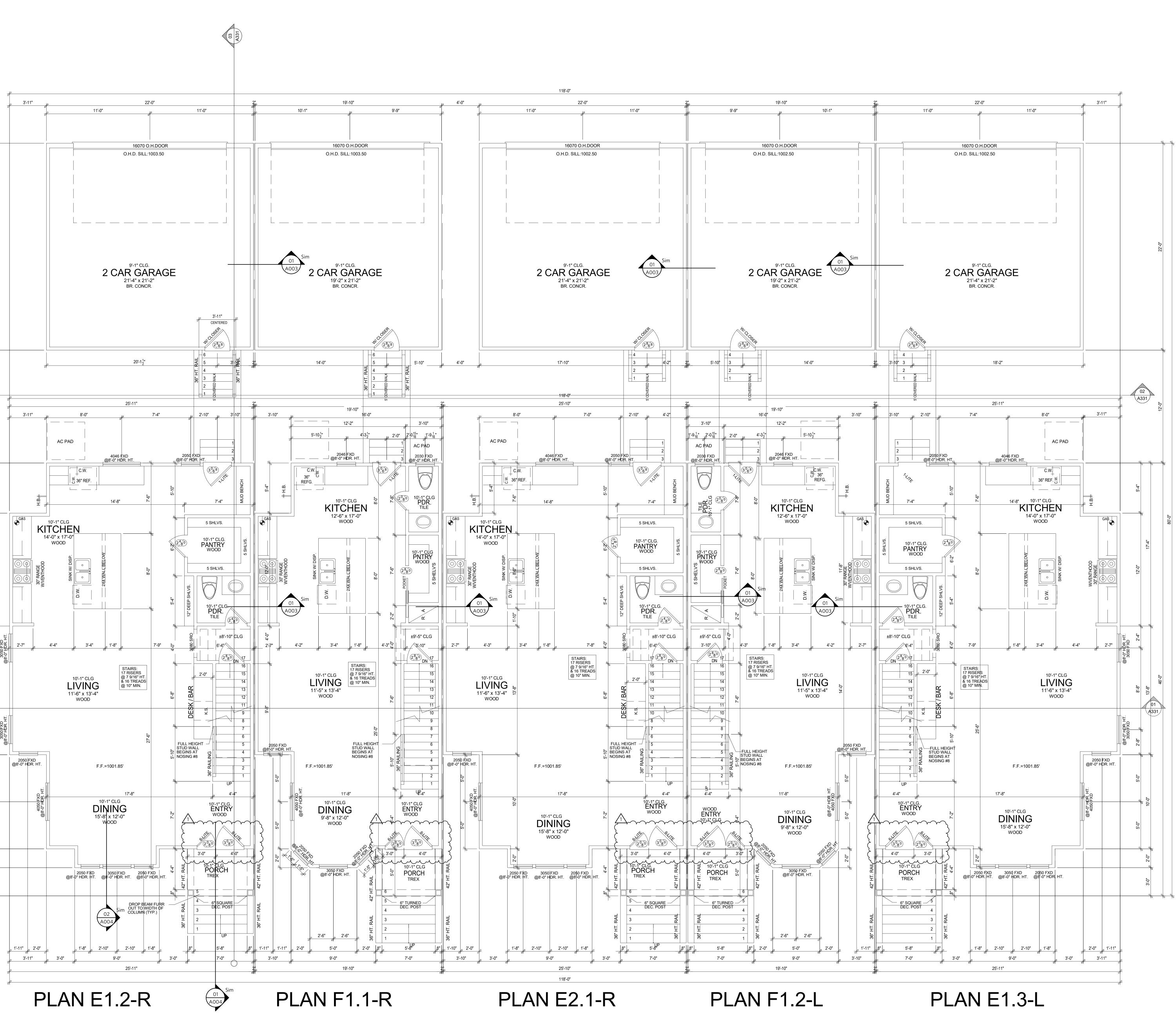
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BUILDING 2 - THIRD FLOOR AND ROOF PLAN

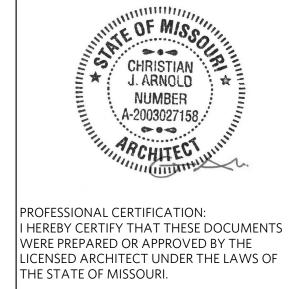






01 BUILDING 3 - FIRST FLOOR PLAN

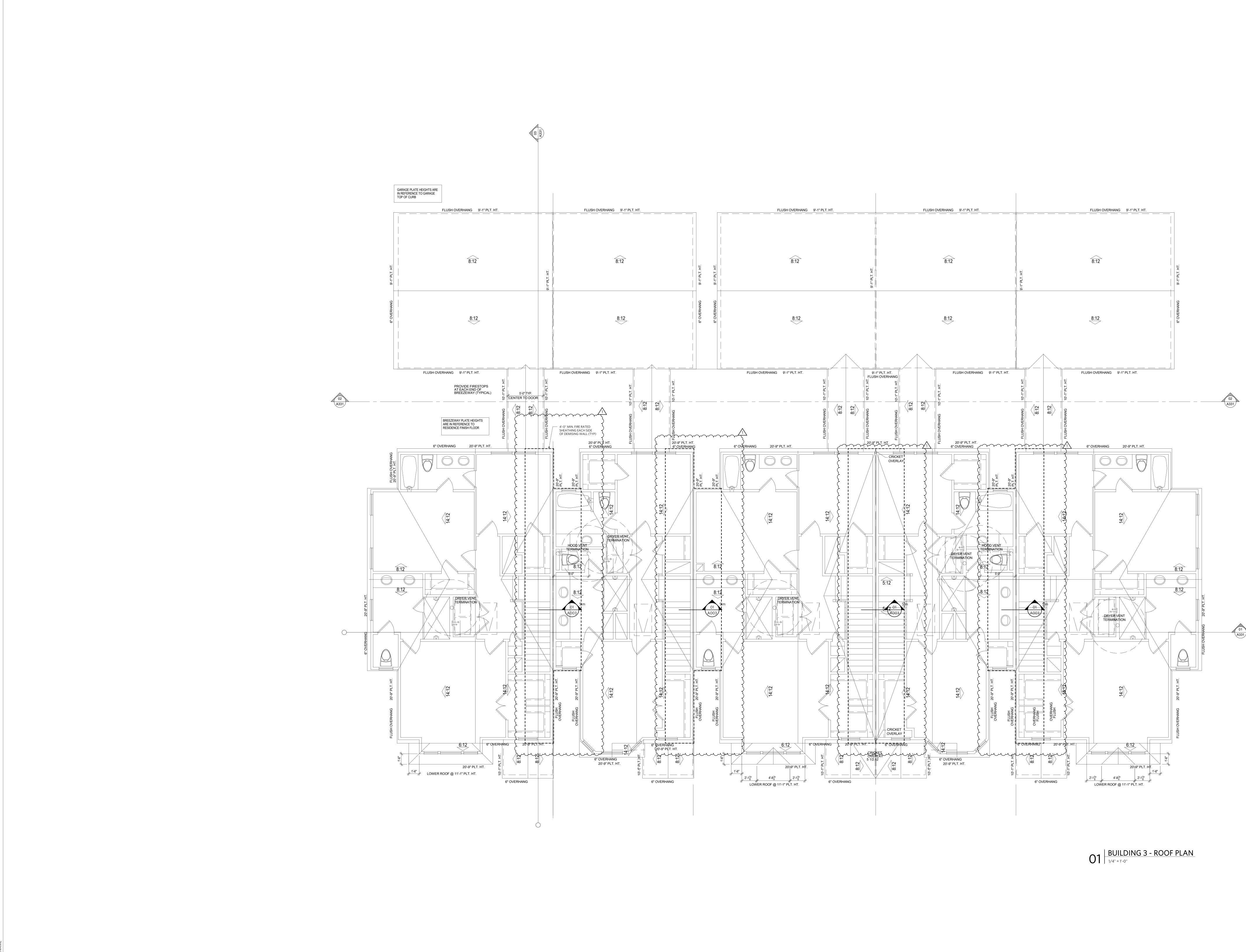




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DATE

BUILDING 3 - FIRST FLOOR PLAN A312







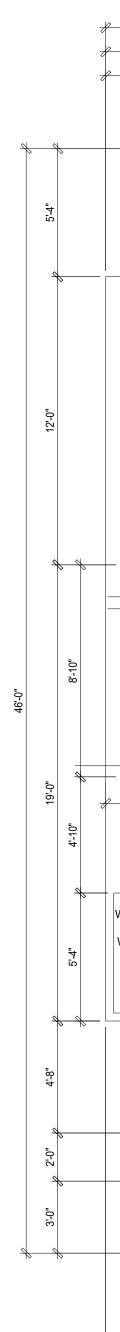
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY THE LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MISSOURI.

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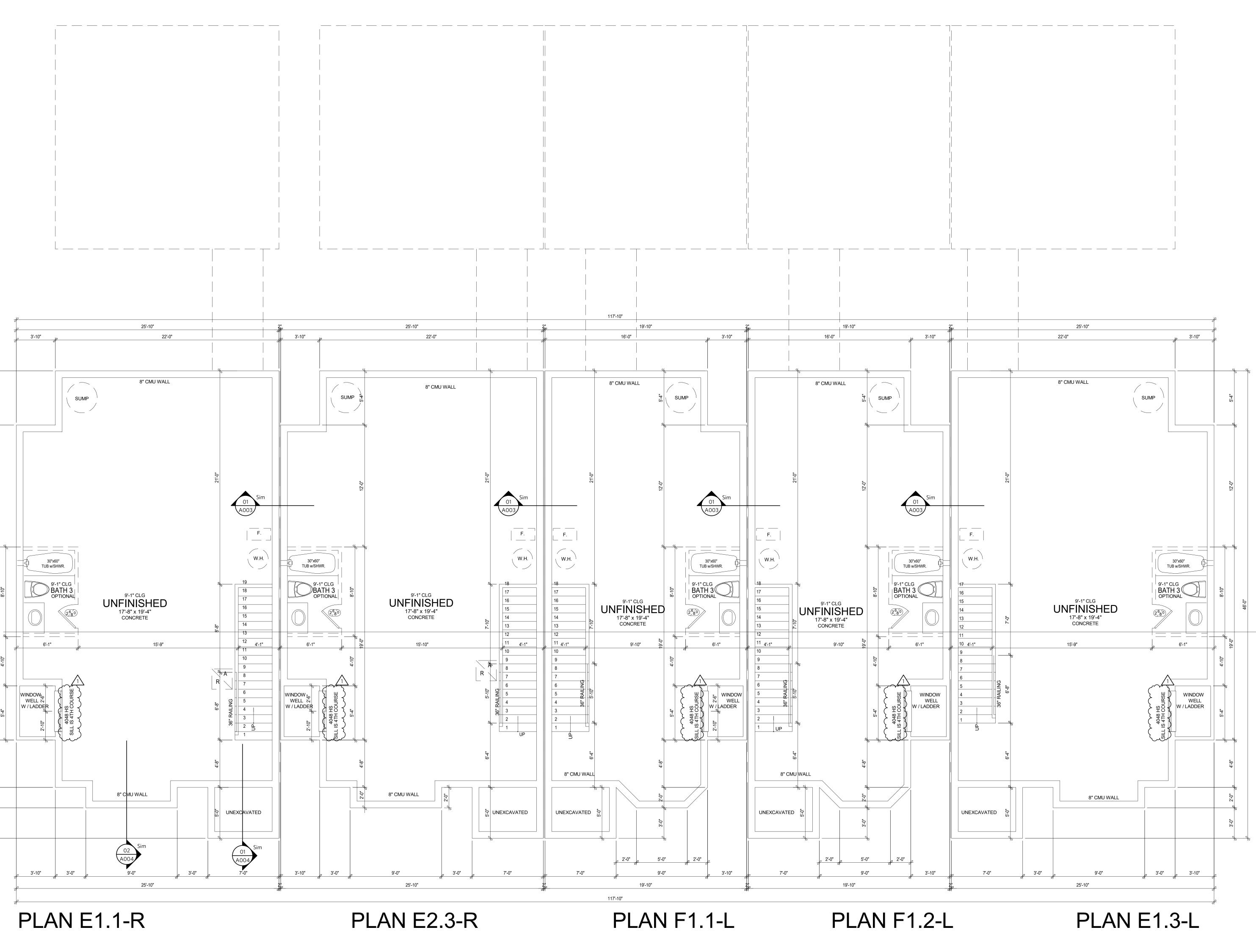
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BUILDING 3 - ROOF PLAN

A314



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01 BUILDING 4 - BASEMENT FLOOR PLAN





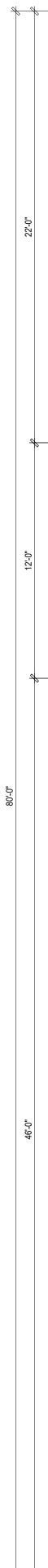
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY THE LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MISSOURI.

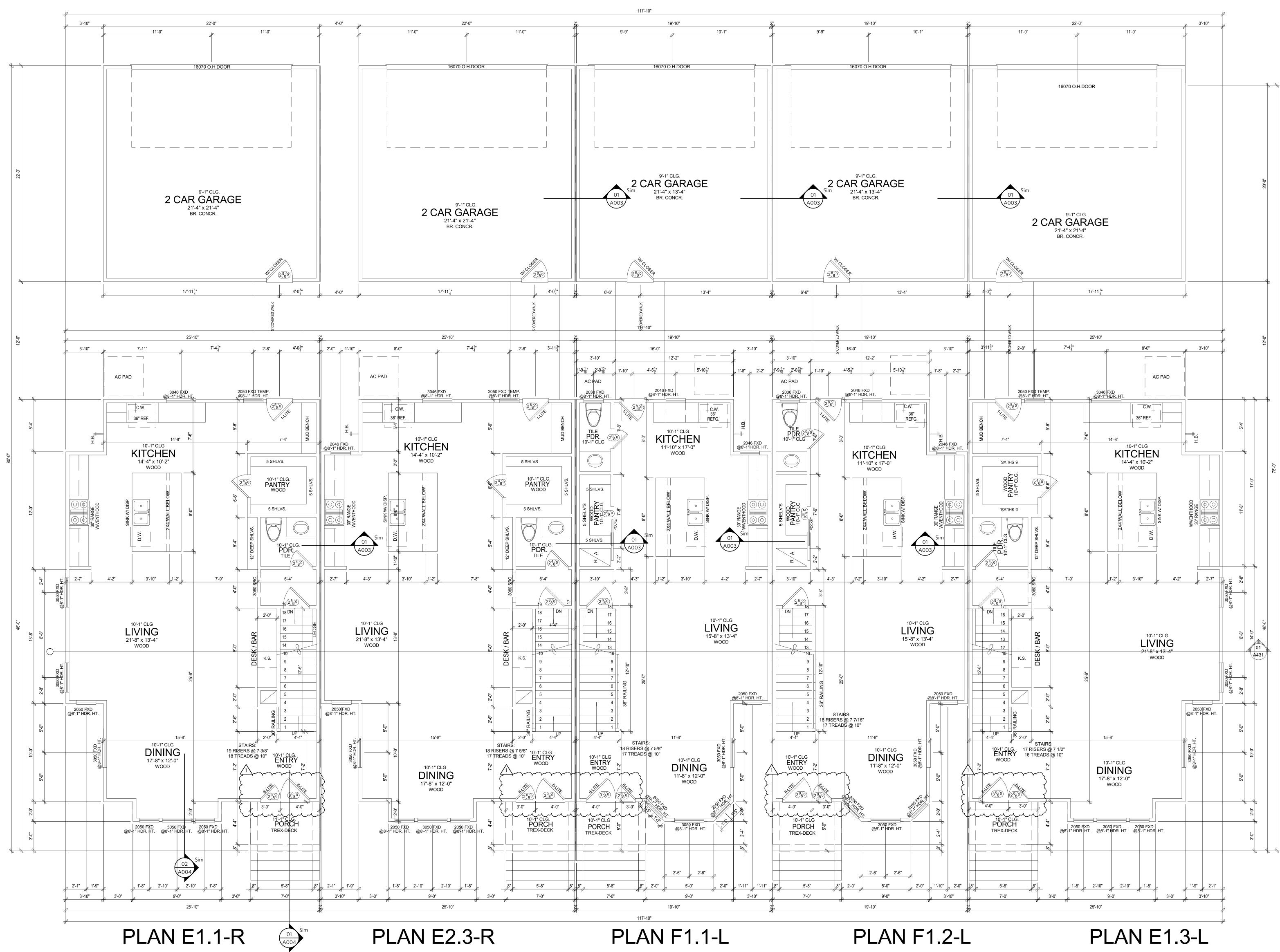
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DATE

BUILDING 4 -BASEMENT FLOOR PLAN A411



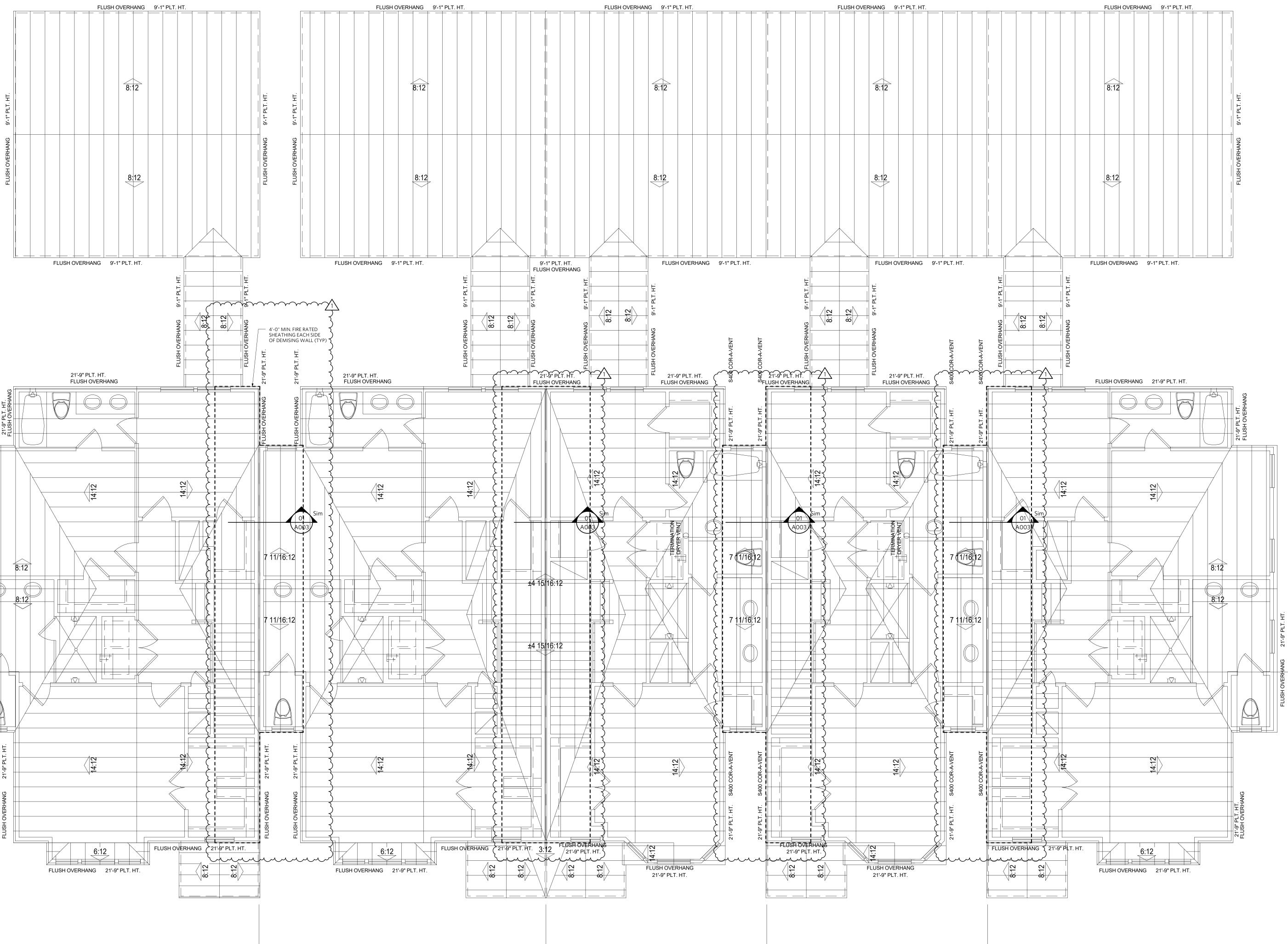


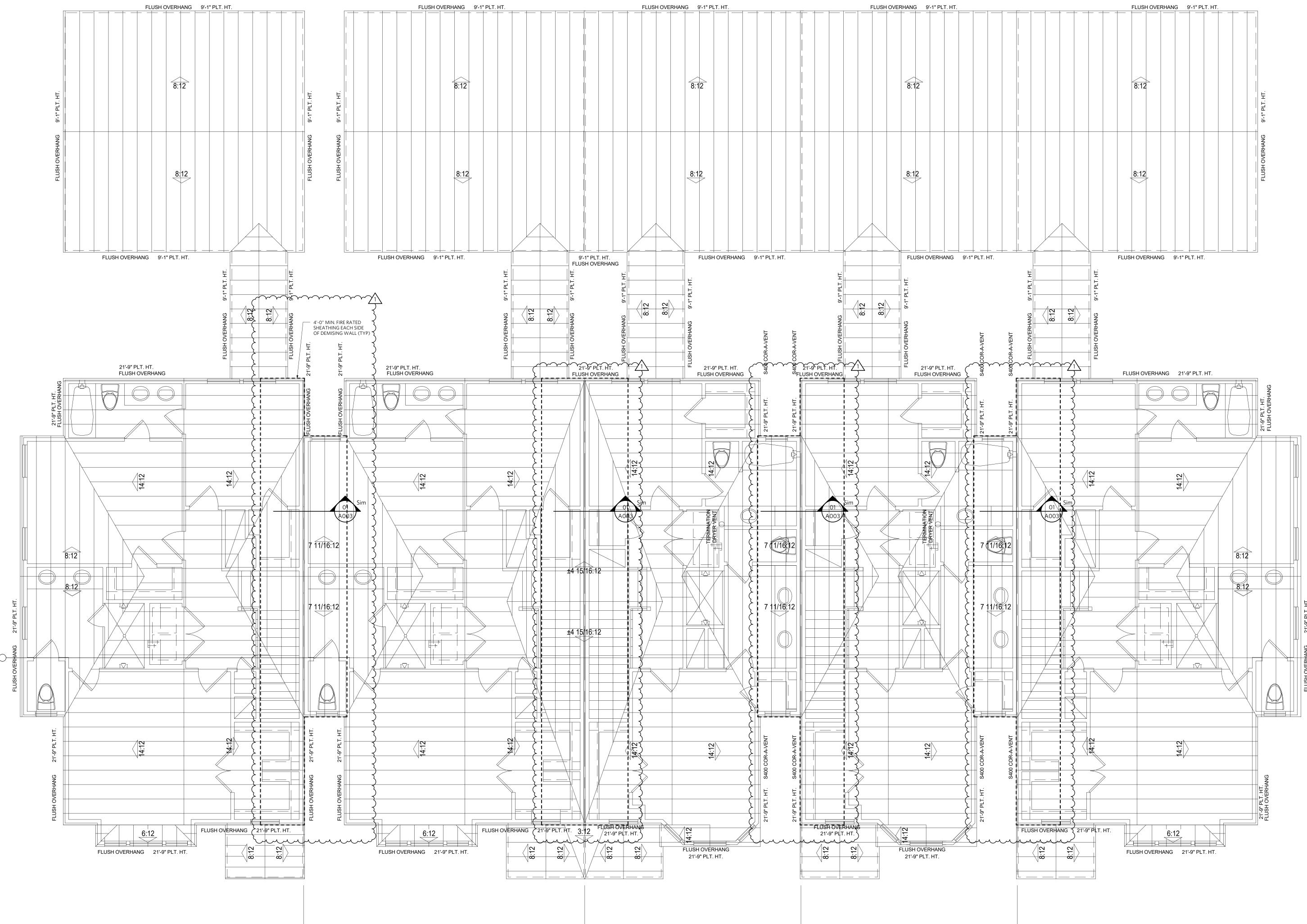


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DATE

BUILDING 4 - FIRST FLOOR PLAN A412

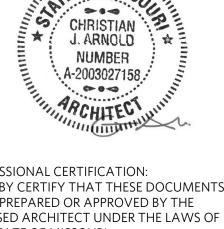




01 BUILDING 4 - ROOF PLAN 1/4" = 1'-0"

_____01 _____A431







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THE STATE OF MISSOURI.

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BUILDING 4 - ROOF

A414

PLAN

DATE

STRUCTURAL DESIGN CRITERIA (2018 IRC AND ASCE 7-16):

1. BUILDING OCCUPANCY RISK CATEGORY II.
2. LIVE LOADS [UNIFORM (PSF) / POINT LOADS (KIPS)]: ROOF:
 ROOF SNOW LOAD: GROUND SNOW LOAD (Pg):
 4. WIND DESIGN DATA: BASIC WIND SPEED (3 SEC GUST):115 MPH WIND EXPOSURE:C DIRECTIONALITY FACTOR (Kd)C INTERNAL PRESSURE COEFF:0.18 COMPONENTS AND CLADDING WIND (ULTIMATE 1.0*W) PRESSURES (BASED ON TRIB 10 S.F., EXP. B. MAY BE REDUCED FOR COMPONENTS WITH LARGER TRIB PER BLDG CODE): WALLS AT CORNERS & EDGES:+28 / -37 PSF ALL OTHER MAIN WALL CONDITIONS:+28 / -31 PSF ROOF CORNERS:+15 / -81 PSF ROOF EDGES:+15 / -67 PSF ALL OTHER MAIN ROOF CONDITIONS:+15 / -28 PSF
 5. EARTHQUAKE DESIGN DATA: SEISMIC IMPORTANCE FACTOR (Ie):1.0 MAPPED SPECTRAL RESP ACCEL (Ss / S1):0.10 / 0.068 SITE CLASS:D SPECTRAL RESPONSE COEFF (Sds / Sd1):0.107 / 0.109 SEISMIC DESIGN CATEGORY:B SEISMIC FORCE RESISTING SYSTEM:R=6.5, WOOD SHEAR WAL DESIGN BASE SHEAR:4.72 K (ELF AND ASD) SEISMIC RESPONSE COEFF (Cs):0.016 ANALYSIS PROCEDURE:ELF

6. RAIN LOAD DATA: - 15-MIN RAIN INTENSITY. - 60-MIN RAIN INTENSITY ...

OVERFLOWS) IS PROVIDED. ROOF IS DESIGNED FOR LIVE LOAD INDICATED ABOVE

	03_Abbreviation Schedule
Abbreviation	Abbreviation Name
+/-	PLUS OR MINUS
ADDNL	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURALLY EXPOSED
AFF	STRUCTURAL STEEL ABOVE FINISHED FLOOR
ALT	ALTERNATE
AR	ANCHOR ROD
ARCH	ARCHITECT OR ARCHITECTURAL
B/	BOTTOM OF
B/W	BETWEEN
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BWP	BRACED WALL PANEL
CFS	COLD FORMED STEEL
CHKD	CHECKED
CIP	CAST IN PLACE CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CTR	CENTER
db	DIA OF REINF BAR, DIA OF BOLT
DBA	DEFORMED BAR ANCHOR
DIA or Ø	DIAMETER
DIAG	DIAGONAL
DIR	DIRECTION
DWL	DOWEL
EA	EACH
EE	EXTENDED END
EJ	EXPANSION JOINT ELEVATION
ENGR	ENGINEER EDGE OF DECK
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EXIST	EXISTING
EXT	EXTERIOR
FDN	FOUNDATION
FLG	FLANGE
FLR	FLOOR
FS	FAR SIDE
FTG	FOOTING
FV	FIELD VERIFY
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
HSA	HEADED STUD ANCHOR
HSS	HOLLOW STRUCTURAL SECTION
IF	INSIDE FACE
INT	INTERIOR
JST	JOIST
K	KIPS (1000 LBS)
LCE	COMPRESSION EMBEDMENT LENGTH
LCS	COMPRESSION LAP SPLICE LENGTH
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LTE	TENSION EMBEDMENT LENGTH
LTS	TENSION LAP SLICE LENGTH
LW	LIGHTWEIGHT
MFCR	MANUFACTURER
MTL	METAL NOT IN CONTRACT
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OF	OUTSIDE FACE
OPP	OPPOSITE
OVS	OVERSIZED
P/C	PRECAST
PAF	POWDER ACTUATED FASTENER
PAR	PARALLEL
PEMB	PRE-ENGINEERED METAL BUILDING
PEN	PENETRATION
PERP	PERPENDICULAR PLATE
PLF	POUNDS PER LINEAR FOOT PREFABRICATED
PRELIM	PRELIMINARY
PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH
RC	REINFORCED CONCRETE
RE:	REFER TO
REINF	REINFORCING
REQD	REQUIRED
RF	RIGID FRAME
SC	SLIP CRITICAL
SDS	SELF DRILLING SCREW
SIM	SIMILAR
SLV	SHORT LEG VERTICAL
SOG	SLAB ON GRADE
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD STIRRUPS
STIR STL	STEEL
SW SYM	SHEAR WALL SYMMETRIC
T&B	TOP AND BOTTOM
T/	TOP OF
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
W/O	WITHOUT
WF	WIDE FLANGE
WP	WORK POINT

....7.49 IN/HR 3.51 IN/HR DESIGN ASSUMES APPROPRIATE ROOF SLOPE AND DRAINAGE (INCLUDING

7. GUARD RAILS:... ...50 PLF, AND/OR 200# CONCENTRATED LOAD APPLIED IN ANY DIRECTION.

1. DESIGN AND CONSTRUCTION SHALL CONFORM TO THE "INTERNATIONAL RESIDENTIAL CODE, 2018 EDITION" AS AMENDED BY THE CITY OF LEE'S SUMMIT, MO. REFER TO THE SPECIAL STRUCTURAL INSPECTION NOTES FOR ADDITIONAL REQUIREMENTS.

2. CONTRACTOR TO VERIFY ALL DIMENSIONS. ELEVATIONS AND EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCING WORK.

3. IF DISCREPANCIES EXIST BETWEEN STRUCTURAL PLANS, ARCHITECTURAL PLANS, OTHER PLANS, OR SPECIFICATIONS, THE CONTRACTOR OR SUBCONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR CLARIFICATION FROM THE ARCHITECT AND/OR ENGINEER PRIOR TO PROCEEDING WITH THE WORK.

4. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO EXECUTE AND DETERMINE FINAL ERECTION PROCEDURES, SEQUENCING AND TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYING OR TIE DOWNS WHICH MIGHT BE NECESSARY 5. THE STRUCTURE AND FOUNDATIONS ARE NOT DESIGNED FOR FUTURE EXPANSION

6. FABRICATORS AND SUPPLIERS SHALL CLEARLY NOTE AND HIGHLIGHT CHANGES MADE IN SHOP DRAWINGS, WHICH DO NOT COMPLY WITH THE CONTRACT DOCUMENTS.

7. COLUMNS, BEAMS, JOISTS, OR TRUSSES SHALL NOT BE FIELD CUT OR TRIMMED FOR ANY REASON WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

8. HOLES, PIPES, SLEEVES, ETC. NOT SHOWN ON THE DRAWINGS MUST BE REVIEWED BY THE ARCHITECT/ENGINEER BEFORE PLACEMENT THROUGH STRUCTURAL MEMBERS.

9. IF MECHANICAL AND ELECTRICAL EQUIPMENT SIZES, WEIGHTS, OR LOCATIONS DO NOT COINCIDE WITH EQUIPMENT SHOWN ON THE PLANS, COORDINATE ADJUSTMENTS WITH THE ARCHITECT.

10. NO AREA OF THE STRUCTURE SHALL BE LOADED WITH CONSTRUCTION MATERIALS OR EQUIPMENT THAT EXCEEDS FINAL DESIGN CRITERIA. 11. BEAMS, COLUMNS, WALLS AND FOOTING CENTERS SHALL BE CENTERED UNDER

SUPPORTING MEMBERS (TYPICAL UNLESS NOTED OTHERWISE). 2. DELEGATED DESIGN - DEFERRED SUBMITTALS SHALL BE SIGNED/ SEALED PRIOR TO SUBMITTAL FOR REVIEW. THESE INCLUDE:

A. WOOD FLOOR AND ROOF TRUSSES SUBMIT THESE SHOP DRAWINGS AND CALCULATIONS SEALED BY A STRUCTURAL

ENGINEER LICENSED TO PRACTICE IN THE JURISDICTION OF THE PROJECT SHALL BE FURNISHED TO THE ENGINEER OF RECORD FOR REVIEW. CONTRACTOR SHALL SUBMIT COPIES OF DEFERRED SUBMITTALS TO BUILDING DEPARTMENT AFTER ARCH/ENG REVIEW.

13. TYPICAL DETAILS ARE SHOWN ON SHEETS DESIGNATED "S0XX". THE INCLUDED TYPICAL DETAILS MAY OR MAY NOT BE CUT / REFERENCED ON PLANS OR SECTIONS, BUT ARE TO BE USED AS APPLICABLE. 14. REFER TO CIVIL PLANS FOR ALL BUILDING ORIENTATIONS AND LOCATIONS ON

<u>SUBMITTALS:</u>

1. GENERAL CONTRACTOR TO PROVIDE A SHOP DRAWING SUBMITTAL LOG ITEMIZING ALL PROPOSED SUBMITTALS FOR APPROVAL BY STRUCTURAL ENGINEER OF RECORD.

2. ALL SHOP DRAWINGS SHALL BE CHECKED BY THE FABRICATOR AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. SHOP DRAWING REVIEW BY ENGINEER IS LIMITED TO FRIEVING GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES FROM THE CONTRACT DOCUMENTS, DIMENSIONAL ERRORS, COORDINATION ERRORS, OR OMISSIONS IN

SHOP DRAWINGS. 3. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS, INCLUDING THE FOLLOWING: -- CONCRETE MIX DESIGNS (5 DAYS BEFORE POUR, MIN.)

-- CONCRETE REINFORCEMENT -- WOOD FLOOR AND ROOF TRUSSES -- STEEL FRAMING

4. SHOP DRAWINGS SHALL INCLUDE CONNECTIONS AS WELL AS SIZE, SPACING AND GRADE OF ALL MEMBERS. PLANS AND ANY DETAILING NECESSARY FOR DETERMINING FIT AND PLACEMENT SHALL ALSO BE INCLUDED.

5. IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

6. ITEMS THAT ARE DESIGNED BY THE CONTRACTOR SHALL BE DESIGNED TO RESIST THE LIVE LOADS INDICATED IN STRUCTURAL NOTES, DEAD LOAD, SELF WEIGHT, ANY ADDITIONAL LOADING INDICATED ON PLANS AND DETAILS, SNOW DRIFT, AND A NET WIND UPLIFT.

8. ITEMS THAT ARE DESIGNED BY THE CONTRACTOR SHALL INCLUDE ANY RELEVANT TECHNICAL LITERATURE FROM MANUFACTURER. ALSO PROVIDE A CERTIFICATION FROM THE MANUFACTURER SHOWING THE PRODUCT IS IN COMPLIANCE WITH ALL APPLICABLE CODES AND STANDARDS.

8. THE CONTRACTOR SHALL COORDINATE SEISMIC RESTRAINTS OF MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, MACHINERY, AND ASSOCIATED PIPING WITH THE STRUCTURE. ANY CONNECTIONS TO STRUCTURE SHALL CONFORM TO ASCE 7, CHAPTER 13 AND SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE APPROPRIATE STATE, AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO

FABRICATION. 9. FIELD ENGINEERED DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM OR ADD TO THE STRUCTURAL DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF AN ENGINEER REGISTERED IN THE APPROPRIATE STATE AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO CONSTRUCTION.

SPECIAL INSPECTIONS:

1. PROVIDE SPECIAL STRUCTURAL INSPECTIONS AND VERIFICATIONS BY A THIRD PARTY MEETING THE REQUIREMENTS OF CHAPTER 17 OF THE BUILDING CODE AND THE BUILDING OFFICIAL. 2. SPECIAL INSPECTORS SHALL BE QUALIFIED AND FURNISH THEIR REPORTS IN A

TIMELY MANNER TO THE CONTRACTOR, BUILDING OFFICIALS, ARCHITECT, AND/OR FNGINEER 3. SHOULD INSPECTOR IDENTIFY ANY DISCREPANCY, THEY SHALL NOTIFY

CONTRACTOR FIRST, AND THEN ARCHT/ ENGINEER IMMEDIATELY THEREAFTER IF CORRECTIVE ACTION IS NEEDED. 4. SPECIAL INSPECTIONS AS REQUIRED BY CODE:

A. CONCRETE: SECTION 1705.3 AND TABLE 1705.3 CONCRETE MATERIAL SAMPLING AND TESTING, REBAR OBSERVATIONS. TAKE SET OF (3) CYLINDERS FOR EVERY 50 C.Y., BUT NOT LESS THAN ONE SET OF SAMPLES PER DAY'S WORK AND PER MIX. B. EARTHWORK: SECTION 1705.6. FOUNDATION BEARING, EXCAVATION, FILL PLACEMENT.

EARTHWORK AND FOUNDATIONS:

1. REFERENCE THE GEOTECHNICAL INVESTIGATION PREPARED BY OLSSON DATED JULY 27, 2021 (JOB NO. 021-02987). THE CONTRACTOR SHALL OBTAIN A COPY OF THIS REPORT AND FOLLOW ALL RECOMMENDATIONS WITHIN. 2. PERIMETER AND EXTERIOR FOOTINGS SHALL BEAR AT A MINIMUM OF 3'-0" BELOW ADJACENT GRADE.

3. ALL FOOTINGS SHALL BEAR A MINIMUM DEPTH BELOW GRADE OF 3'-0" ON FIRM NATIVE MATERIALS, COMPACTED OR ENGINEERED FILL CAPABLE OF SUPPORTING AN ALLOWABLE BEARING PRESSURE OF 2,500 PSE PER THE GEOTECH REPORT. DEEPEN FOOTINGS, AND REMOVE AND REPLACE UNACCEPTABLE SOILS WITH ENGINEERED FILL AS REQUIRED TO PROVIDE THIS MINIMUM DEPTH AND SUITABLE BEARING.

4. UNDERCUT THE PAD TO A DEPTH OF 18-INCHES BELOW BOTTOM OF FLOOR SLAB ELEVATION AND REPLACE WITH LOW-VOLUME-CHANGE MATERIALS PER THE GEOTECHNICAL REPORT. 5. FILL PLACEMENT, COMPACTION, AND SOIL BEARING TESTS SHALL BE

PERFORMED BY A GEOTECHNICAL ENGINEER PRIOR TO INSTALLING FOOTINGS TO ENSURE DESIGN ALLOWABLE BEARING VALUES AND SLAB SUBGRADE REQUIREMENTS ARE SATISFIED. IF ACTUAL SITE CONDITIONS DO NOT SATISFY THESE REQUIREMENTS, COORDINATE ADJUSTMENTS WITH ARCHITECT/ENGINEER/ GEOTECHNICAL ENGINEER

6. SURFACE WATER SHALL NOT BE ALLOWED TO STAND ADJACENT TO OR DRAIN TOWARDS THE FOUNDATION AND SLAB SUBGRADES UNDER ANY CIRCUMSTANCES. PAVEMENTS OR GRADED SOILS AT THE PERIMETER OF THE BUILDING, EXCEPT AS REQUIRED AT EXITS OR AS NOTED, SHALL BE SLOPED AWAY AT 5% OR 6" MIN FOR THE FIRST TEN FEET AND AS REQUIRED TO PROVIDE POSITIVE DRAINAGE. 7. FOOTINGS MAY BE POURED TO NEAT LINES OF EXCAVATIONS PROVIDING VERTICAL LINES OF EXCAVATIONS CAN BE MAINTAINED DURING CONCRETE PLACEMENT.

8. FOUNDATION WALL BACKFILL SHALL NOT BE UNBALANCED BY MORE THAN TWO FEET ON EITHER SIDE AT ANY TIME. BASEMENT WALL AND RESTRAINED RETAINING WALL BACKFILL SHALL NOT BE PLACED, UNLESS THE WALL IS ADEQUATELY BRACED. RETAINING WALL AND BASEMENT WALL BACKFILL SHALL BE FREE DRAINING GRANULAR BACKFILL ACCEPTABLE TO THE GEOTECHNICAL ENGINEER.

INTERMEDIATE CONTROL JOINTS SHALL BE SPACED AT 25'-0" MAX FOR WALLS. CONTROL JOINTS IN WALLS SHALL ALSO BE LOCATED 15'-0" FROM CORNERS AND AT CHANGES IN WALL THICKNESS 10. WHERE FRESH CONCRETE IS DEPOSITED AGAINST HARDENED CONCRETE (GREATER THAN 8 HRS OLD). CLEAN EXISTING SURFACE OF LAITANCE AND FOREIGN MATERIAL AND DAMPEN THE EXISTING SURFACE. IF REQUIRED, ROUGHEN EXISTING CONCRETE TO 1/4" AMPLITUDE.

REINFORCE ALL CONCRETE NOT OTHERWISE SHOWN WITH THE SAME REINFORCING

EQUIVALENT. ALL STRUCTURAL ADHESIVE SHALL BE INSTALLED PER THE

REVIEW AND APPROVAL WITH APPROPRIATE ICBO EVALUATION REPORTS.

1. SUBMIT PROPOSED MIXED DESIGNS OF EACH TYPE FOR REVIEW.

BUILDING CODE AT THE TIME OF PERMITTING THE PROJECT..

5. NO ALUMINUM SHALL BE EMBEDDED IN ANY CONCRETE.

6. NO CALCIUM CHLORIDE SHALL BE USED IN CONCRETE

RESPONSIBILITY OF THE CONTRACTOR

AS SIMILAR SECTIONS OR AREAS.

REQUIRED MINIMUM CONCRETE COMPRESSIVE STRENGTHS AT 28 DAYS:

MANUFACTURER'S REQUIREMENTS. SUBSTITUTIONS SHALL BE SUBMITTED FOR

a. FOOTING AND GRADE BEAM CONCRETE......4000 PSI

b. BASEMENT / FOUNDATION WALL CONCRETE......4000 PSI

c. SLAB ON GRADE AND STRUC SLAB ABOVE GRADE 4000 PSI

2. ALL CONCRETE MIX DESIGNS SHALL HAVE WATER TO CEMENT RATIOS LESS THAN

CONCRETE AND MASONRY REINFORCING STEEL:

A615 GRADE 60.

WHICHEVER IS GREATER.

AT ALL FOOTINGS.

CAST IN PLACE CONCRETE:

1.5%) ENTRAINED AIR.

11. SLABS ON GRADE SHALL BE 4" THICK MINIMUM ON 4" OF GRANULAR FILL. REINF SLAB WITH 6 X 6-W2.1xW2.1 WWR OR #3 BARS @ 18" OC EA WAY. PLACE REINF IN UPPER 1/3 OF SLAB THICKNESS. AT INTERIOR SLABS, A 10 MIL VAPOR BARRIER SHALL BE PLACED BETWEEN THE CONCRETE AND GRANULAR BASE AND CARE SHOULD BE TAKEN DURING CURING TO PREVENT SLAB CURLING. THIS NOTE SHALL BE TYPICAL UNLESS NOTED OTHERWISE

12. SAW CUT JOINTS OR KEYED CONSTRUCTION JOINTS IN SLABS ON GRADE SHALL BE SPACED TO DIVIDE THE SLAB INTO PANELS NOT TO EXCEED 225 SQUARE FEET. THE LONGER DIMENSION OF EACH PANEL SHALL NOT EXCEED THE SHORTER DIMENSIONS BY MORE THAN 40%. JOINTS SHALL BE LOCATED AT COLUMN CENTERLINES WHERE POSSIBLE. SPACING BETWEEN JOINTS SHALL NOT EXCEED 15 FEET. CONTRACTOR SHALL SUBMIT JOINT LAYOUT TO ARCHITECT FOR APPROVAL. REFER TO TYPICAL

DETAILS. 13. REINFORCEMENT SHALL BE CONTINUOUS AND LAPPED 53 BAR DIAMETERS (2'-6" MIN.) EXCEPT AS NOTED AND PROVIDE CORNER BARS OF SAME SIZE AND SPACING. 14. MINIMUM CONCRETE WALL REINFORCING (WALL 10" OR GREATER) SHALL BE #5 AT

10" CENTERS EACH WAY, EACH FACE 15. MINIMUM REINFORCING AROUND CONCRETE WALL OPENINGS 2'-0" OR GREATER

(TYPICAL UNLESS NOTED): 2 - #5, EXTEND REINF 2'-0" PAST OPENINGS. PROVIDE 2-#5 x 4'-0" DIAGONAL BARS AT CORNERS 16. CONTRACTOR SHALL COORDINATE ALL CURING COMPOUNDS WITH FLOOR FINISH REQUIREMENTS TO ENSURE COMPATIBILITY.

. FOUNDATION CONTRACTOR TO ENSURE PROPER ANCHOR ROD PROJECTION AND THAT ANCHOR RODS ARE HELD SECURELY IN POSITION PRIOR TO CONCRETE PLACEMENT. INSTALL ANCHOR RODS TO THE STRICT DIMENSIONAL TOLERANCES PER AISC REQUIREMENTS. STRUCTURAL STEEL COLUMN ANCHOR RODS SHALL BE SET WITH A RIGID TEMPLATE.

18. AGGREGATES AND/OR CONCRETE MIXES SHALL BE CERTIFIED TO BE FREE OF AND ELIMINATE DAMAGE OF CONCRETE DUE TO ALKALI-SILICA REACTION OR ALKALI-AGGREGATE REACTIONS WHEN EXPOSED TO SOILS AND/OR AN EXTERIOR ENVIRONMENT

19. ALL CONCRETE MIX DESIGNS EXPOSED TO AN EXTERIOR ENVIRONMENT SHALL MEET THE REQUIREMENTS OF THE KANSAS CITY METRO MATERIALS BOARD (KCMMB) OR THE JOHNSON COUNTY CONCRETE BOARD (JCCB).

WOOD 1. FRAMING MATERIAL: ALL WOOD FRAMING SHALL MEET OR EXCEED THE FOLLOWING: A. NOMINAL STRUCTURAL LUMBER: DOUG. FIR -- NO.2 OR BETTER, KILN-DRIED. MIN Fb = 900 PSI. MIN E = 1400 KSI. B. EXPOSED TO WEATHER: NOMINAL STRUCT LUMBER -- PRESS TREATED NO.2 OR BETTER, MIN Fb = 1000 PSI, MIN E = 1300 KSI C. MICROLLAM LVL (LAMINATED VENEER LUMBER) BEAMS SHALL MEET TRUS JOIST SPECIFICATIONS: MINIMUM Fb = 2600 PSI AND MINIMUM E = 1900 KSI. D. TIMBERSTRAND LSL (LAMINATED STRAND LUMBER) BEAMS SHALL MEET TRUS JOIST SPECIFICATIONS: MINIMUM Fb = 2600 PSI AND MINIMUM E = 1550 KSI. E. GLULAM FRAMING: 24F-V4 DOUGLAS FIR, ARCHITECTURAL FINISH (COORDINATE

WITH ARCH). 2. ALL LUMBER IN DIRECT CONTACT WITH CONCRETE OR MASONRY, SUCH AS SILL PLATES AND BEARING PLATES BELOW BEAMS POCKETED IN CMU, SHALL BE TREATED

3. WOOD SHEATHING: A. ROOF SHEATHING SHALL BE 15/32" OR 1/2" WITH AN APA SPAN RATING OF 32/16, EXPOSURE 1, MINIMUM 2 SPAN, FASTEN WITH 10d COMMON NAILS AT 6" CENTERS AT ALL PANEL EDGES AND 12" CENTERS MAXIMUM AT INTERMEDIATE FRAMING MEMBERS (IN THE FIELD). USE PLYCLIPS AT MIDSPAN. B. FLOOR SHEATHING SHALL BE TONGUE AND GROOVE SHEATHING EXPOSURE 1, MINIMUM 2 SPAN, FASTEN WITH APA APPROVED ADHESIVE AND 10d RING SHANKED NAILS AT 6" ON CENTERS AT ALL PANEL EDGES AND AT 10" ON CENTERS

MAXIMUM AT INTERMEDIATE FRAMING MEMBERS (IN THE FIELD). --WHEN CLEAR DISTANCE BETWEEN FLOOR JOISTS OR FLOOR TRUSSES IS 16" OR LESS USE 3/4" SHEATHING WITH AN APA SPAN RATING OF 48/24. --WHEN CLEAR DISTANCE BETWEEN FLOOR JOISTS OR FLOOR TRUSSES IS GREATER THAN 16" USE 7/8" SHEATHING WITH AN APA SPAN RATING OF 60/32. C. WALL SHEATHING FOR EXTERIOR WALLS SHALL BE 7/16" WITH AN APA SPAN RATING OF 24/16, UNLESS NOTED OTHERWISE. ALL PANEL EDGES SHALL BE BACKED WITH 2 INCH NOMINAL OR WIDER FRAMING. FASTEN WITH 8d COMMON NAILS AT 6" OC MAXIMUM AT ALL TOP PLATES, BLOCKING, BOUNDARIES AND 10" OC MAXIMUM

IN THE FIELD. 4. ALL WOOD SHEATHING TO BE STAGGERED 4'X8' SHEETS. ORIENTED PERPENDICULAR TO SUPPORTING MEMBERS.

5. PROVIDE 1/8" GAP AT ALL SHEATHING PANEL EDGES AND END JOINTS UNLESS OTHERWISE SPECIFIED BY THE MANUFACTURER. DUE TO CONSTRUCTION CONDITIONS, TEMPORARY EXPANSION JOINTS MAY BE REQUIRED IN FLOOR/ROOF SHEATHING.

6. ALL HEADERS IN EXTERIOR OR INTERIOR BEARING WALLS SPANNING MORE THAN 3'-8" SHALL BE SUPPORTED ON DOUBLE STUDS UNLESS NOTED. 7. MINIMUM NAILING SHALL CONFORM TO IRC TABLE R602.3(1). USE COMMON NAILS

EXCEPT WHERE NOTED. ALL FASTENERS (BOLTS, SCREWS, NAILS, ETC) IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIP GALVANIZED. 8. LIGHT GAUGE WOOD FRAMING CONNECTORS AS NOTED ON THE PLANS FOR WOOD JOISTS, COLUMNS, BEAMS AND TRUSSES SHALL BE "STRONG – TIE" CONNECTORS BY THE SIMPSON CO. OR REVIEWED EQUIVALENT. CONNECTORS IN DIRECT CONTACT WITH PRESSURE TREATED LUMBER SHALL HAVE "ZMAX" G185 HOT DIP GALVANIZED COATING OR REVIEWED EQUIVALENT.

9. CONNECTORS IN DIRECT CONTACT WITH PRESSURE TREATED LUMBER SHALL HAVE "ZMAX" G185 HOT DIP GALVANIZED COATING OR REVIEWED EQUIVALENT. 10. STAINLESS STEEL FASTENERS, ANCHOR BOLTS, LIGHT GAUGE CONNECTORS, ETC. MAY BE SUBSTITUTED FOR HOT DIP GALVANIZED MATERIALS AT THE CONTRACTORS OPTION

11. PROVIDE UPLIFT CONNECTORS AT EACH ROOF TRUSS TO WALL CONNECTIONS PFR IB

12. STUDS SHALL BE CONTINUOUS BETWEEN EACH DIAPHRAGM LEVEL. EXTERIOR WALL STUDS AT GROUND FLOOR SHALL BE BRACED BY KICKERS AND/OR STRUCTURAL CEILING FRAMING. 13. TYPICAL SILL ANCHOR RODS SHALL BE GALVANIZED 5/8" DIAMETER EMBEDDED 7"

MIN INTO CONCRETE, SPACED NO FURTHER THAN 3'-0" OC. AND SHALL OCCUR WITHIN 12" OF THE ENDS OF A SILL PLATE. SPACE ANCHOR RODS MORE CLOSELY TOGETHER AT SHEAR WALLS AS SHOWN ON THE DRAWINGS. EACH SILL PLATE SHALL HAVE A MINIMUM OF 2 ANCHOR RODS. PROVIDE 2" SQUARE PLATE WASHERS AND NUTS. 14. SUBSTITUTIONS OF SPECIFIED WOOD MEMBERS SHALL NOT BE MADE WITHOUT REVIEW OF THE ARCHITECT/ENGINEER.

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WWR WELDED WIRE REINFORCEMENT

PRE-FABRICATED WOOD TRUSS NOTES: 1. SUBMIT SHOP DRAWINGS FOR REBAR. ALL REINFORCING BARS SHALL MEET ASTM 1. THE WOOD TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND

2. ALL MESH SHALL MEET ASTM A-185: LAP A MINIMUM OF 8" OR ONE FULL MESH, 3. REINFORCING BAR QUANTITIES SHOWN ARE FOR ESTIMATING PURPOSES ONLY. 4. CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE ³/₄" CLEAR FOR SLABS, 2" CLEAR FOR FORMED SURFACES AND 3" CLEAR FOR FOOTINGS (TYPICAL UNLESS 5. CONTRACTOR SHALL VERIFY THAT ALL REINFORCEMENT, SLAB DOWELS, INSERTS, SLEEVES AND EMBEDDED ITEMS ARE PROPERLY LOCATED AND RIGIDLY SECURED PRIOR TO CONCRETE PLACEMENT, "WET STICKING" DOWELS WILL NOT BE ALLOWED.

6. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST A.C.I. DETAILING MANUAL BY A QUALIFIED AND EXPERIENCED FIRM AND PERSON. PLACE AND SUPPORT REINFORCEMENT WITH ACCESSORIES: MAXIMUM SPACING - 48" CENTERS (PLASTIC-TIPPED LEGS FOR EXPOSED SURFACES). USE 3" SBP SUPPORTS 7. ALL STRUCTURAL ADHESIVE SHALL BE SIMPSON SET 3G OR HILTI HY-200 R OR

ONNECTIONS, CONFIGURATION, TRUSS HANGERS, TRUSS TO TRUSS CONNECTIONS, BRACING FOR LATERAL STABILITY OF THE COMPLETED FRAMING SYSTEM AND OF THE TEMPORARY CONSTRUCTION CONDITION IN ACCORDANCE WITH THE TPI RECOMMENDATIONS, AND THE PROFESSIONAL ENGINEERS SEAL OF THE PERSON RESPONSIBLE FOR THE DESIGN OF THE TRUSSES/TRUSS SYSTEM. 2. THE CONTRACTOR SHALL FURNISH A COPY OF THE APPROVED PRE-FABRICATED TRUSS SHOP DRAWINGS TO BUILDING OFFICIAL FOR THEIR RECORDS. 3. TRUSS MEMBERS AND COMPONENTS SHALL NOT BE FIELD CUT, NOTCHED, DRILLED. OR ALTERED IN ANY WAY WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER RESPONSIBLE FOR THE TRUSS DESIGN. 4. PRE-FABRICATED WOOD ROOF TRUSS DESIGN CRITERIA -- TOP CHORD DEAD LOAD......10 PSF --TOP CHORD LIVE LOAD -- BOTT. CHORD DEAD LOAD5 PSF - ROOF NET UPLIFT 15 PS -- LIVE LOAD DEFLECTION CRITERIA......MIN OF L/480 OR 0.75" -- TOTAL LOAD DEFLECTION CRITERIAMIN OF L/240 OR 1.5" 5. PRE-FABRICATED WOOD FLOOR TRUSS DESIGN CRITERIA -- TOP CHORD LIVE LOAD...... 40 PSF

CALCULATIONS FOR ENGINEER'S REVIEW. THE SHOP DRAWINGS SHALL INCLUDE

JOINTS, AND ENGINEERING DESIGN DATA. THE ENGINEERING DESIGN FOR EACH

AND REACTIONS, WOOD SPECIES AND STRESS GRADES, MEMBER STRESSES, JOINT

TYPE OF TRUSS SHALL INCLUDE: TRUSS LOCATION IDENTIFICATION, ALL LOADINGS

PLACING PLANS OF ALL TRUSSES CLEARLY LABELED. DETAILS OF TRUSS

CONNECTIONS AND ANCHORAGES, DETAILS OF METAL CONNECTORS USED AT

-- BOTT, CHORD DEAD LOAD5 PSF LIVE LOAD DEFLECTION CRITERIA......MIN OF L/480 OR 0.5" -- TOTAL LOAD DEFLECTION CRITERIAMIN OF L/240 OR 1"

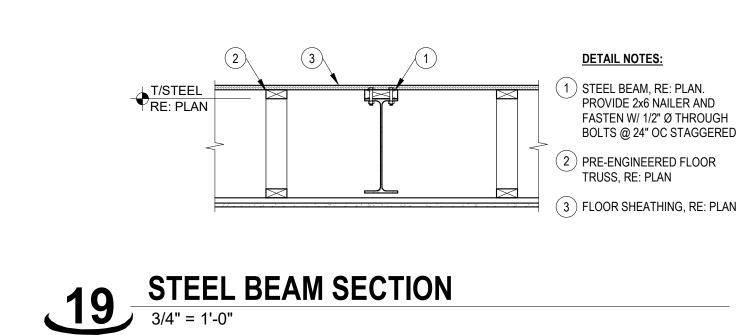
0.52 (0.45 FOR MOISTURE SENSITIVE FLOORING), WITH A MAXIMUM 60/40 FINE TO COARSE AGGREGATE RATIO. CONCRETE MIX DESIGNS THAT DO NOT CONFORM TO THE ABOVE STANDARD AND/OR CONTAIN WATER REDUCING ADMIXTURES SHALL BE SUBMITTED WITH APPROPRIATE TEST DATA PER A.C.I., ALL CONCRETE SHALL BE IN CONFORMANCE WITH THE A.C.I. 301 STANDARD THAT IS REFERENCED IN THE

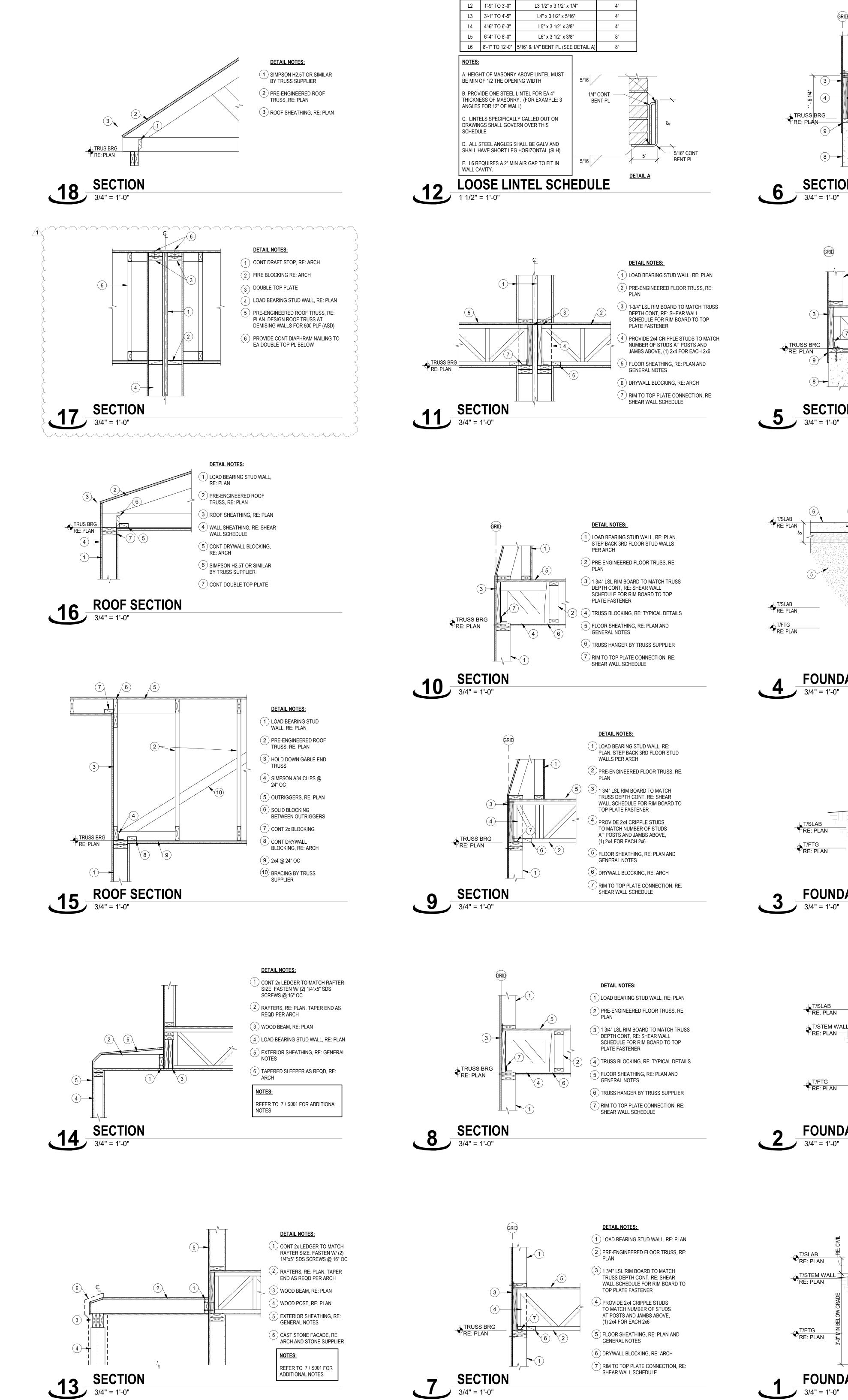
3. EXTERIOR CONCRETE (FLOOR SLABS, WALLS, ETC) SHALL HAVE 6.5% (PLUS/MINUS

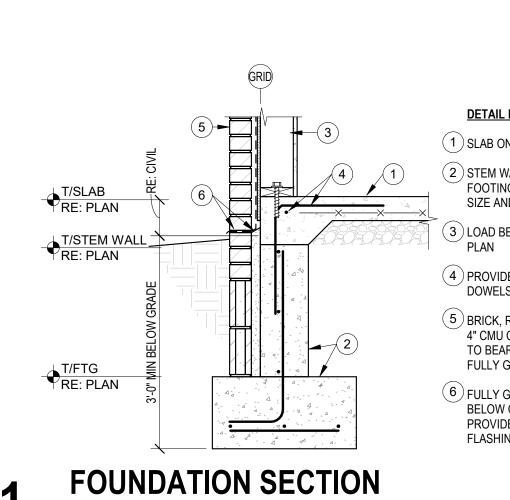
4. CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" (VERIFY WITH ARCHITECT).

7. THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK IS THE 8. ALL CONCRETE IS REINFORCED UNLESS SPECIFICALLY NOTED AS UNREINFORCED.

9. CONSTRUCTION JOINTS IN GRADE BEAMS, CONTINUOUS FOOTINGS, AND WALLS THAT DO NOT CHANGE DIRECTION SHALL BE SPACED NO GREATER THAN 60'-0".







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FOUNDATION SECTION

- DETAIL NOTES: SLAB ON GRADE, RE: PLAN SIZE AND REINF PLAN TO BEAR ON FOOTING. FULLY GROUT 6 FULLY GROUT BEHIND CMU BELOW GRADE AND PROVIDE THROUGH WALL FLASHING PER ARCH
 - 2) STEM WALL AND CONT WALL FOOTING, RE: PLAN FOR 3) LOAD BEARING WALL, RE: (4) PROVIDE CONT #4 AND #4 DOWELS (18" x 18") @ 18" OC 5) BRICK, RE: ARCH, PROVIDE 4" CMU COURSE AS REQD
- REV ISSUE PERMIT Permit Review 1/26/2023

STRUCTURAL

GENERAL NOTES

AND SECTIONS

S001

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0-0-0 E. FUNK NUMBER E-2000173299 6-0-0 DATE

12/12/2022

DETAIL NOTES: 1) SLAB ON GRADE, RE: PLAN 2) BASEMENT WALL AND CONT WALL FOOTING, RE: PLAN FOR SIZE AND REINF 3) PROVIDE CONT #4 AND #4 DOWELS (18" x 18") @ 18" OC FOUNDATION SECTION

DETAIL NOTES:

PLAN

REINF

) SLAB ON GRADE, RE

(2) STEM WALL AND CONT

WALL FOOTING, RE:

PLAN FOR SIZE AND

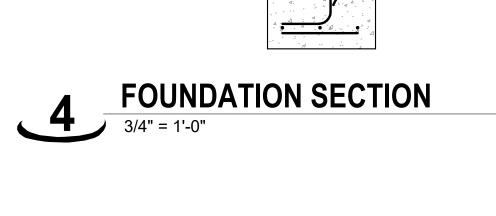
3 WOOD POST AND POST

BASE, RE: PLAN

(4) REINF AND DOWELS

RE: PLAN

AROUND PERIMETER,



RE: PLAN

RE: PLAN

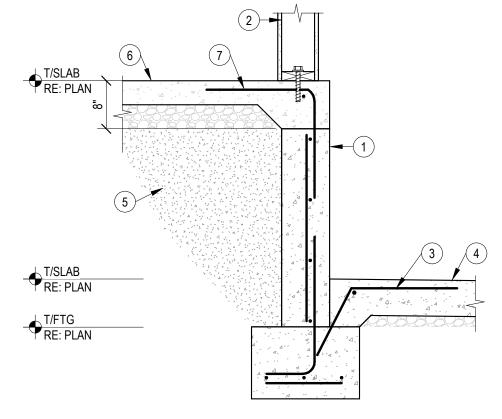
T/SLAB

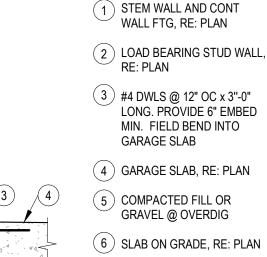
T/STEM WALL

RE: PLAN

RE: PLAN

3/4" = 1'-0"





DETAIL NOTES:

) PROVIDE CONT #4 AND #3

OC ALONG PERIMETER

DOWELS (1'-6"x1'-6") @ 18"

LOOSE LINTEL SCHEDULE

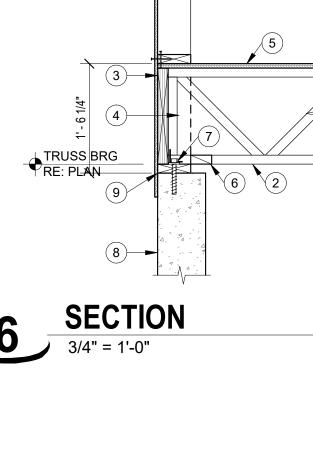
MARK OPENING SIZE

UP TO 1'-8"

OPENING SIZE

1/4" PL x WALL WIDTH - 1/2

BRG LENGTH

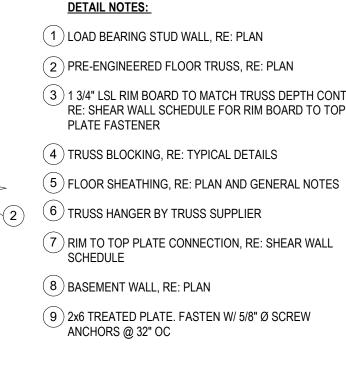


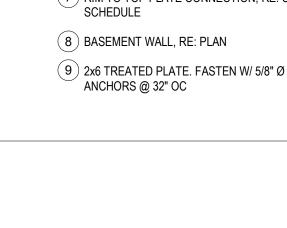
TRUSS BRG

SECTION

3/4" = 1'-0"

RE: PLAN





-) RIM TO TOP PLATE CONNECTION, RE: SHEAR WALL 9) 2x6 TREATED PLATE. FASTEN W/ 5/8" Ø SCREW
- (6) DRYWALL BLOCKING, RE: ARCH
- OF STUDS AT POSTS AND JAMBS ABOVE, (1) 2x4 FOR EACH 2x6 5) FLOOR SHEATHING, RE: PLAN AND GENERAL NOTES
- 3) 1 3/4" LSL RIM BOARD TO MATCH TRUSS DEPTH CONT, RE: SHEAR WALL SCHEDULE FOR RIM BOARD TO TOP PLATE FASTENER) PROVIDE 2x4 CRIPPLE STUDS TO MATCH NUMBER
- DETAIL NOTES: 1) LOAD BEARING STUD WALL, RE: PLAN 2) PRE-ENGINEERED FLOOR TRUSS, RE: PLAN
- 64105



100% CONSTRUCTION

DOCUMENTS

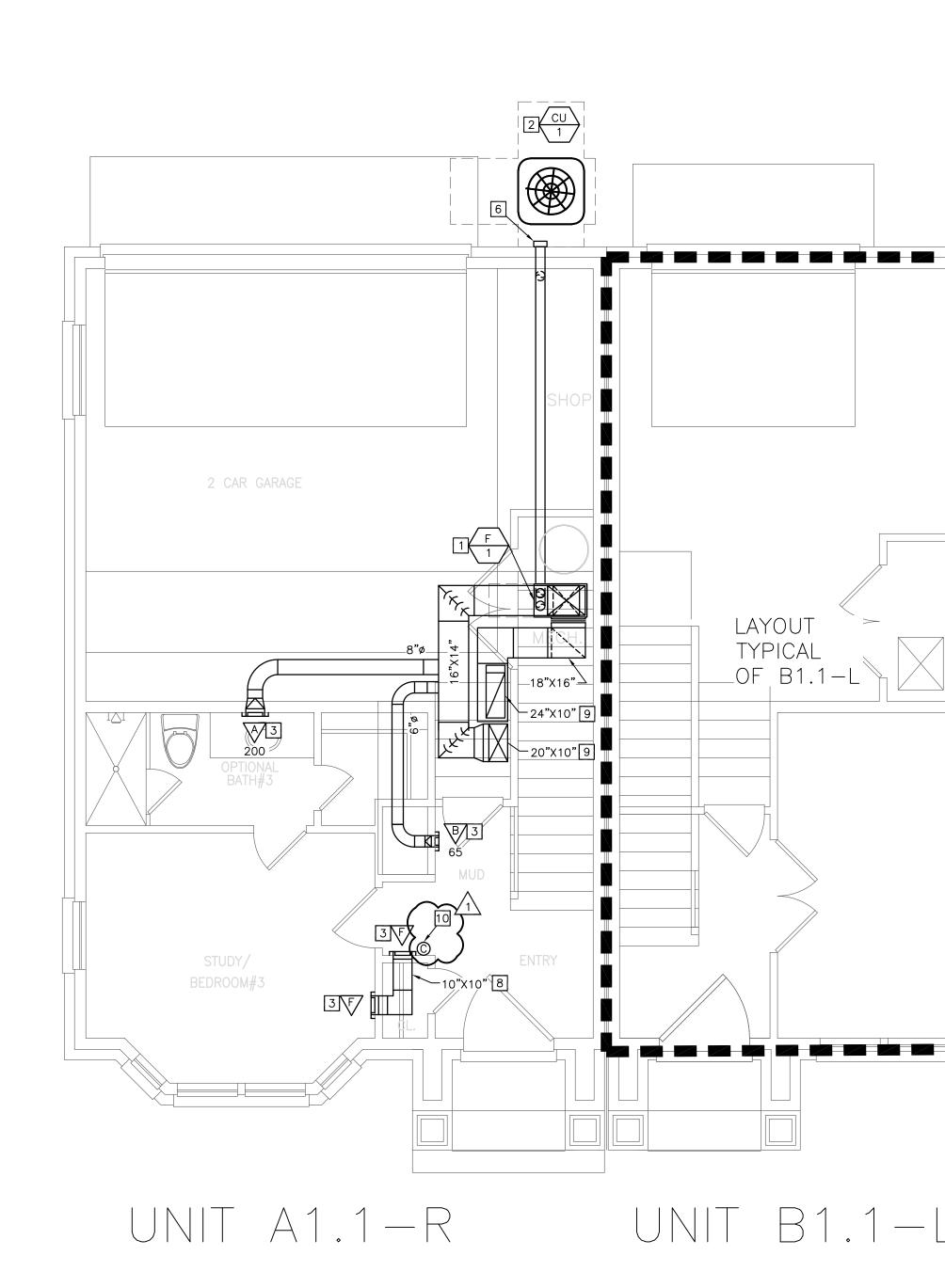
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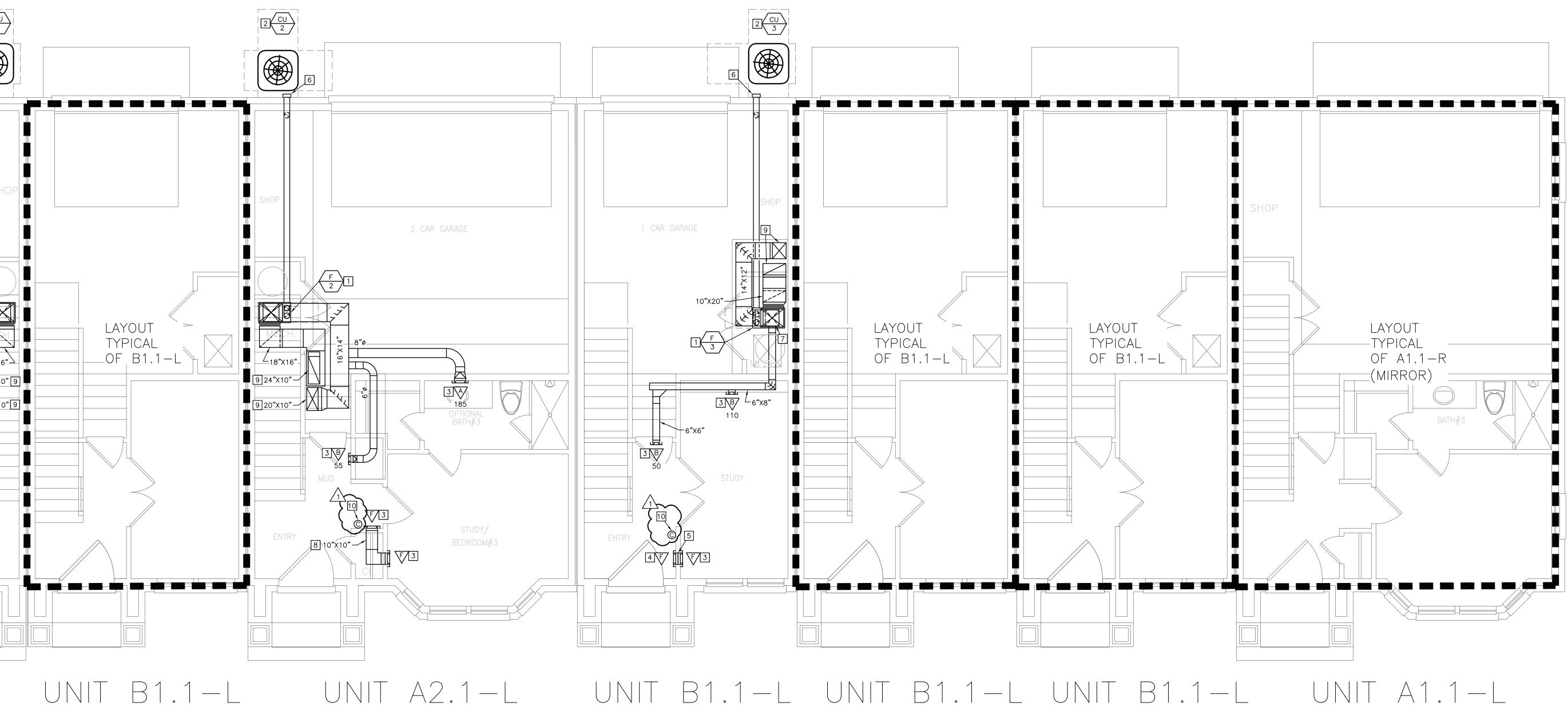
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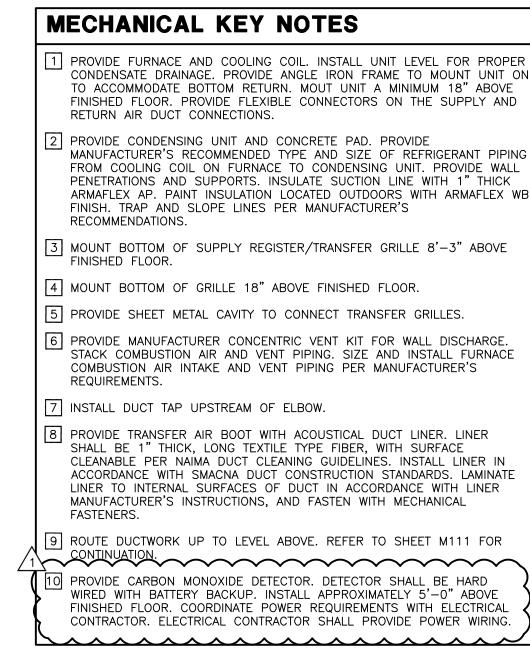
913-214-2169

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O1 FIRST FLOOR MECHANICAL PLAN $\frac{1}{4''=1'-0''}$



T LEVEL FOR PROPER E TO MOUNT UNIT ON MINIMUM 18" ABOVE ON THE SUPPLY AND ROVIDE T REFRIGERANT PIPING UNIT. PROVIDE WALL LINE WITH 1" THICK RS WITH ARMAFLEX WB R'S RILLE 8'-3" ABOVE OOR. ER GRILLES. R WALL DISCHARGE. D INSTALL FURNACE NUFACTURER'S CT LINER. LINER 'H SURFACE INSTALL LINER IN FANDARDS. LAMINATE ANCE WITH LINER MECHANICAL	N THE SUPPLY AND ROVIDE REFRIGERANT PIPING UNIT. PROVIDE WALL INE WITH 1" THICK S WITH ARMAFLEX WB R'S RILLE 8'-3" ABOVE OOR. ER GRILLES. WALL DISCHARGE. D INSTALL SCHARGE. D INSTALL FURNACE NUFACTURER'S CT LINER. LINER H SURFACE INSTALL LINER IN FANDARDS. LAMINATE ANCE WITH LINER	
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D INSTALL FURNACE NUFACTURER'S CT LINER. LINER TH SURFACE INSTALL LINER IN FANDARDS. LAMINATE ANCE WITH LINER	D INSTALL FURNACE NUFACTURER'S CT LINER. LINER TH SURFACE INSTALL LINER IN FANDARDS. LAMINATE ANCE WITH LINER	ER GRILLES.
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		TH SURFACE INSTALL LINER IN FANDARDS. LAMINATE ANCE WITH LINER

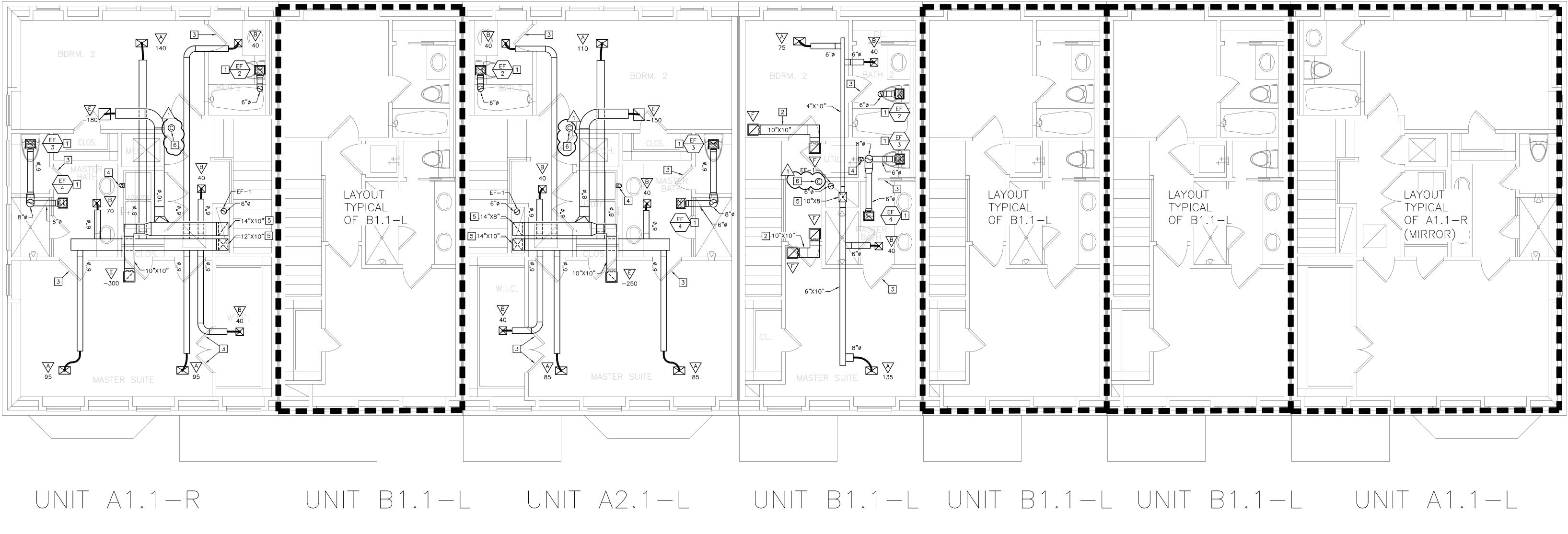
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Inc. .0th Street, Suite 100 . City, MO 64108 uri Certificate of srization Number 1582

and shall be verified prior to c assumes no liability for the ac responsibility is assumed for i professional engineer has not state/province requirements.	curacy of t any portion	these ele of the w	ments. N ork that t	lo design he
PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI			EN-29583	LICENSE NUMBER
FESSIONAL CERTIFICATION INEERING DOCUMENT WAS THAT I AM A DULY LICEI ER THE LAWS OF THE ST	WAEL SAMMUR	1E:	MECHANICAL ENGINEER	DISCIPLINE
PROF ENGIN UNDE	WAEI	NAME:	MEC	DISCI
NC DATE: 1 01.26.2023	ISION			
SCALE: JOB #: DATE:	0	1/4' 1202 022,	2245	5.01
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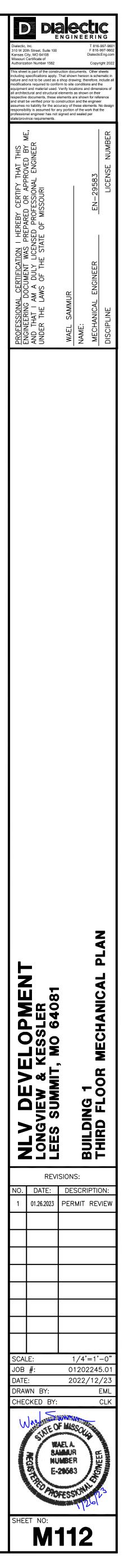




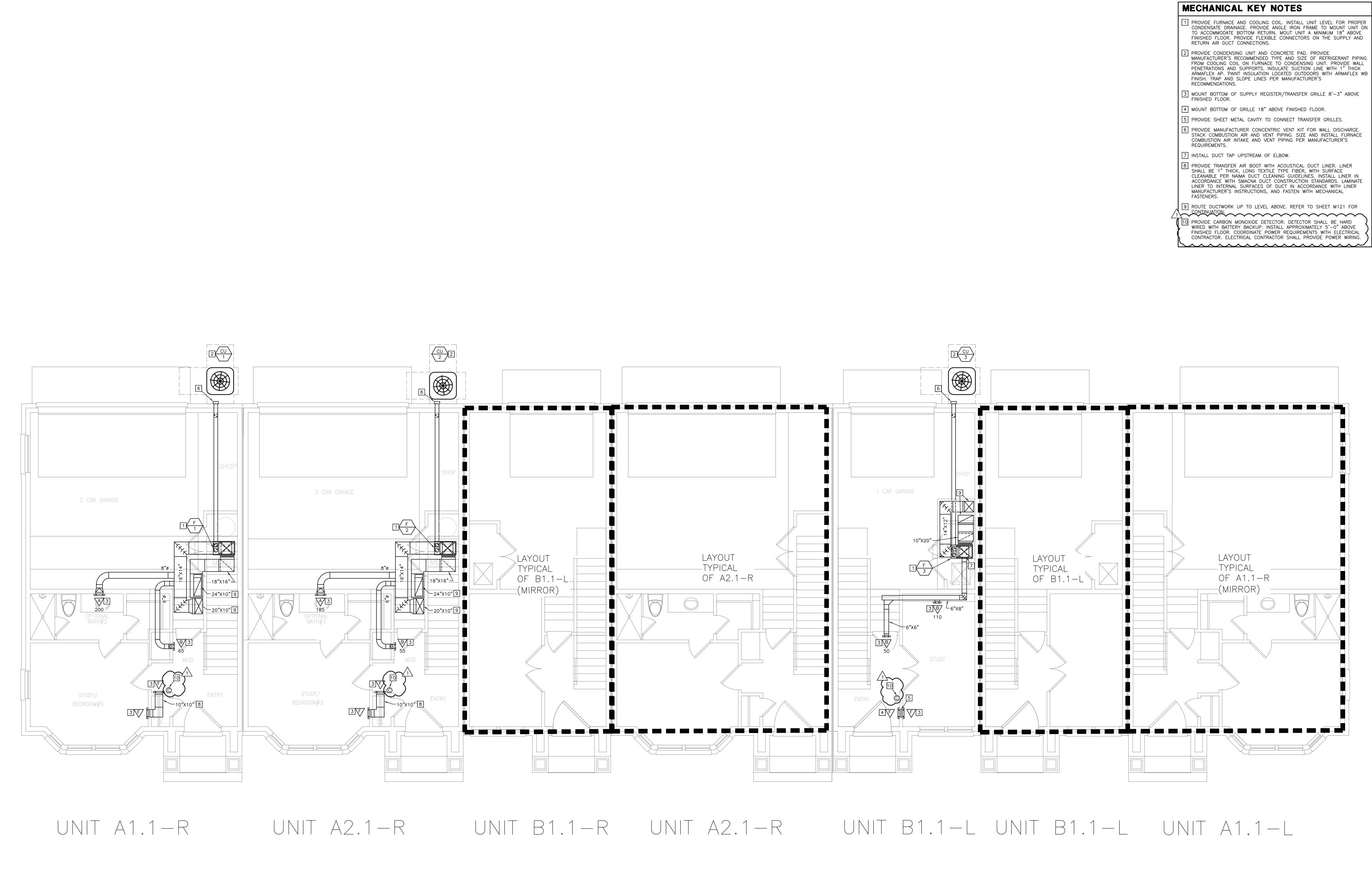
O1 THIRD FLOOR MECHANICAL PLAN $\frac{1}{4''=1'-0''}$

	Μ	ECHANICAL KEY NOTES
	1	PROVIDE CEILING MOUNTED EXHAUST FAN. TRANSITION DISCHARGE TO DUCT SIZE SHOWN AND EXTEND UP T PROVIDE ROOF JACK, STORM COLLAR, AND ALL-WEAT
	2	PROVIDE TRANSFER AIR BOOT WITH ACOUSTICAL DUCT SHALL BE 1" THICK, LONG TEXTILE TYPE FIBER, WITH CLEANABLE PER NAIMA DUCT CLEANING GUIDELINES. ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STA LINER TO INTERNAL SURFACES OF DUCT IN ACCORDA MANUFACTURER'S INSTRUCTIONS, AND FASTEN WITH M FASTENERS.
	3	UNDERCUT DOOR 1" FOR TRANSFER AIR.
	4	PROVIDE DRYER EXHAUST DUCTWORK FROM DRYER D BELOW TO EXTERIOR WALL. IF EQUIVALENT LENGTH O EXCEEDS 35 FEET, CONTRACTOR TO PROVIDE PERMAN LOCATED WITHIN 6 FEET OF EXHAUST CONNECTION. S TERMINATE PER MANUFACTURER'S INSTALLATION REQU
/1	5	ROUTE DUCTWORK DOWN TO LEVEL BELOW. REFER TO CONTINUATION.
	6	PROVIDE CARBON MONOXIDE DETECTOR. DETECTOR SH WIRED WITH BATTERY BACKUP. INSTALL APPROXIMATEL FINISHED FLOOR. COORDINATE POWER REQUIREMENTS CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVID

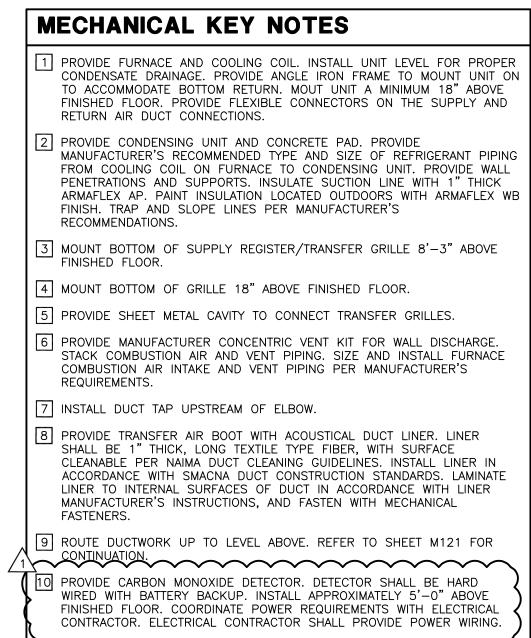
M	ECHANICAL KEY NOTES
1	PROVIDE CEILING MOUNTED EXHAUST FAN. TRANSITION FROM FAN DISCHARGE TO DUCT SIZE SHOWN AND EXTEND UP THROUGH ROOF. PROVIDE ROOF JACK, STORM COLLAR, AND ALL-WEATHER CAP.
2	PROVIDE TRANSFER AIR BOOT WITH ACOUSTICAL DUCT LINER. LINER SHALL BE 1" THICK, LONG TEXTILE TYPE FIBER, WITH SURFACE CLEANABLE PER NAIMA DUCT CLEANING GUIDELINES. INSTALL LINER IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS. LAMINATE LINER TO INTERNAL SURFACES OF DUCT IN ACCORDANCE WITH LINER MANUFACTURER'S INSTRUCTIONS, AND FASTEN WITH MECHANICAL FASTENERS.
3	UNDERCUT DOOR 1" FOR TRANSFER AIR.
4	PROVIDE DRYER EXHAUST DUCTWORK FROM DRYER DOWN TO LEVEL BELOW TO EXTERIOR WALL. IF EQUIVALENT LENGTH OF EXHAUST DUCT EXCEEDS 35 FEET, CONTRACTOR TO PROVIDE PERMANENT LABEL/TAG LOCATED WITHIN 6 FEET OF EXHAUST CONNECTION. SIZE, INSTALL, AND TERMINATE PER MANUFACTURER'S INSTALLATION REQUIREMENTS.
5	ROUTE DUCTWORK DOWN TO LEVEL BELOW. REFER TO SHEET M111 FOR CONTINUATION.
Image: Constraint of the second secon	PROVIDE CARBON MONOXIDE DETECTOR. DETECTOR SHALL BE HARD WIRED WITH BATTERY BACKUP. INSTALL APPROXIMATELY 5'-0" ABOVE FINISHED FLOOR. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING.





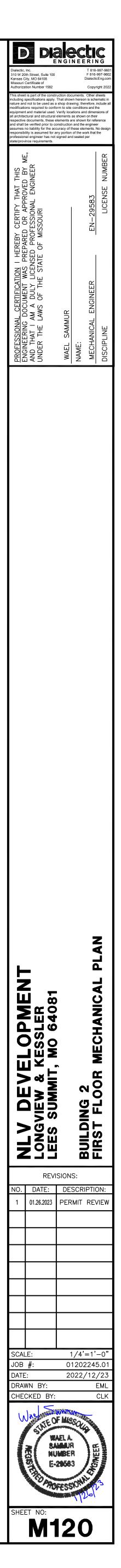


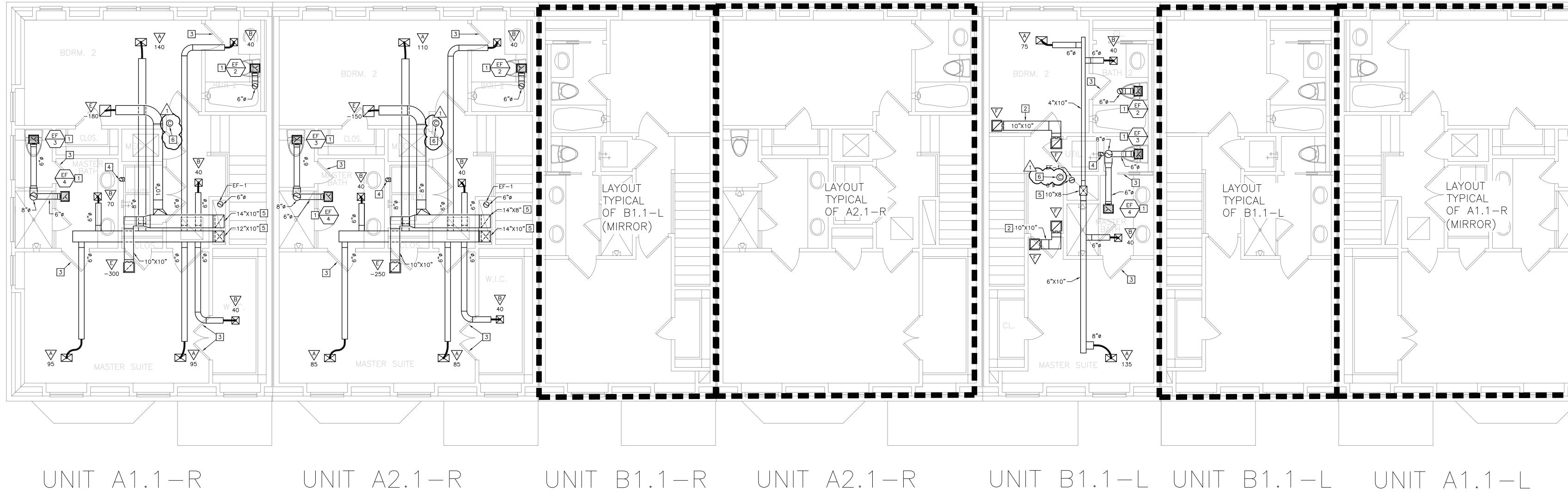




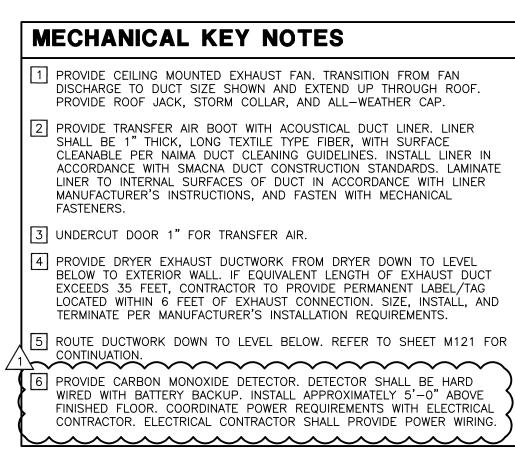
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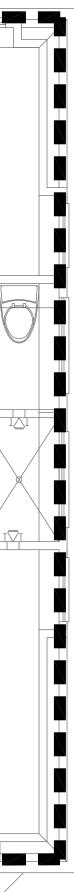




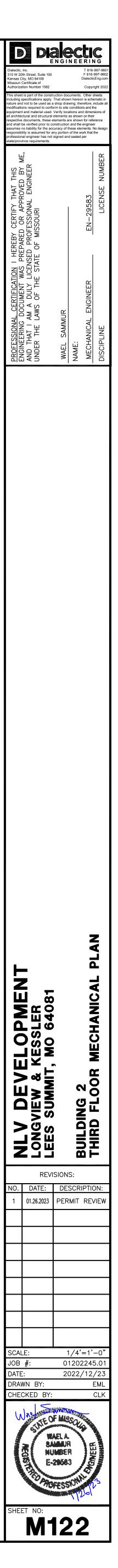


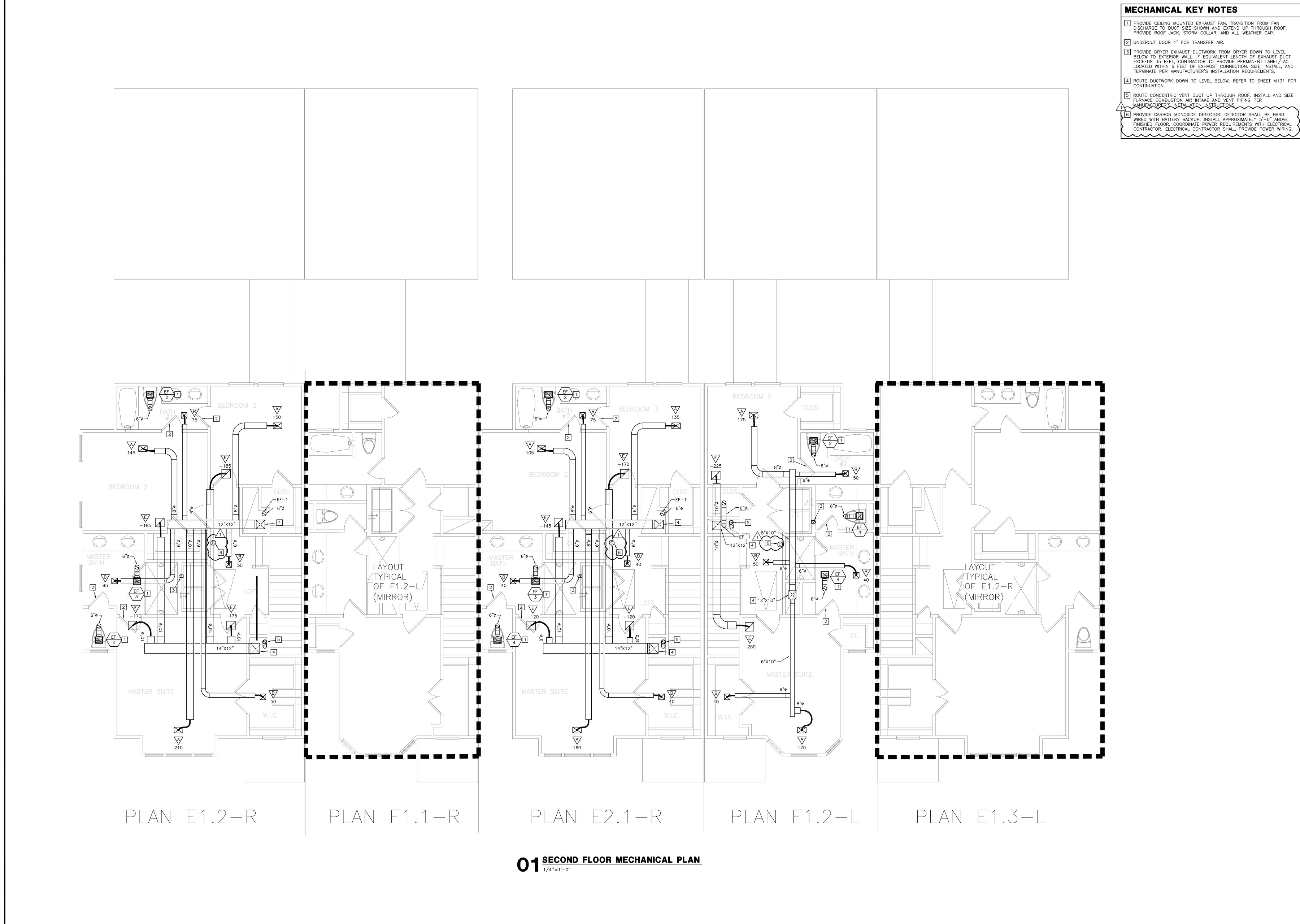
**O1** THIRD FLOOR MECHANICAL PLAN  $\frac{1}{4'=1'-0''}$ 

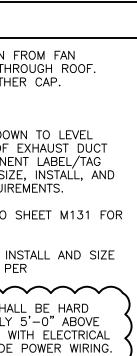


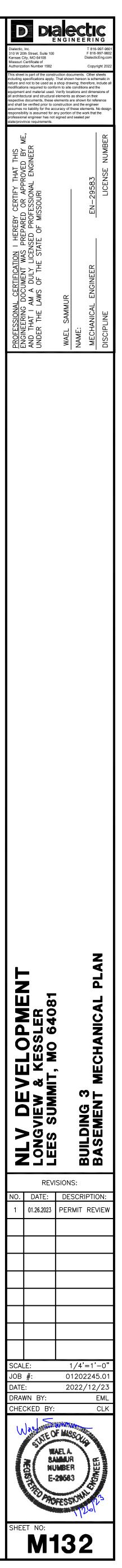




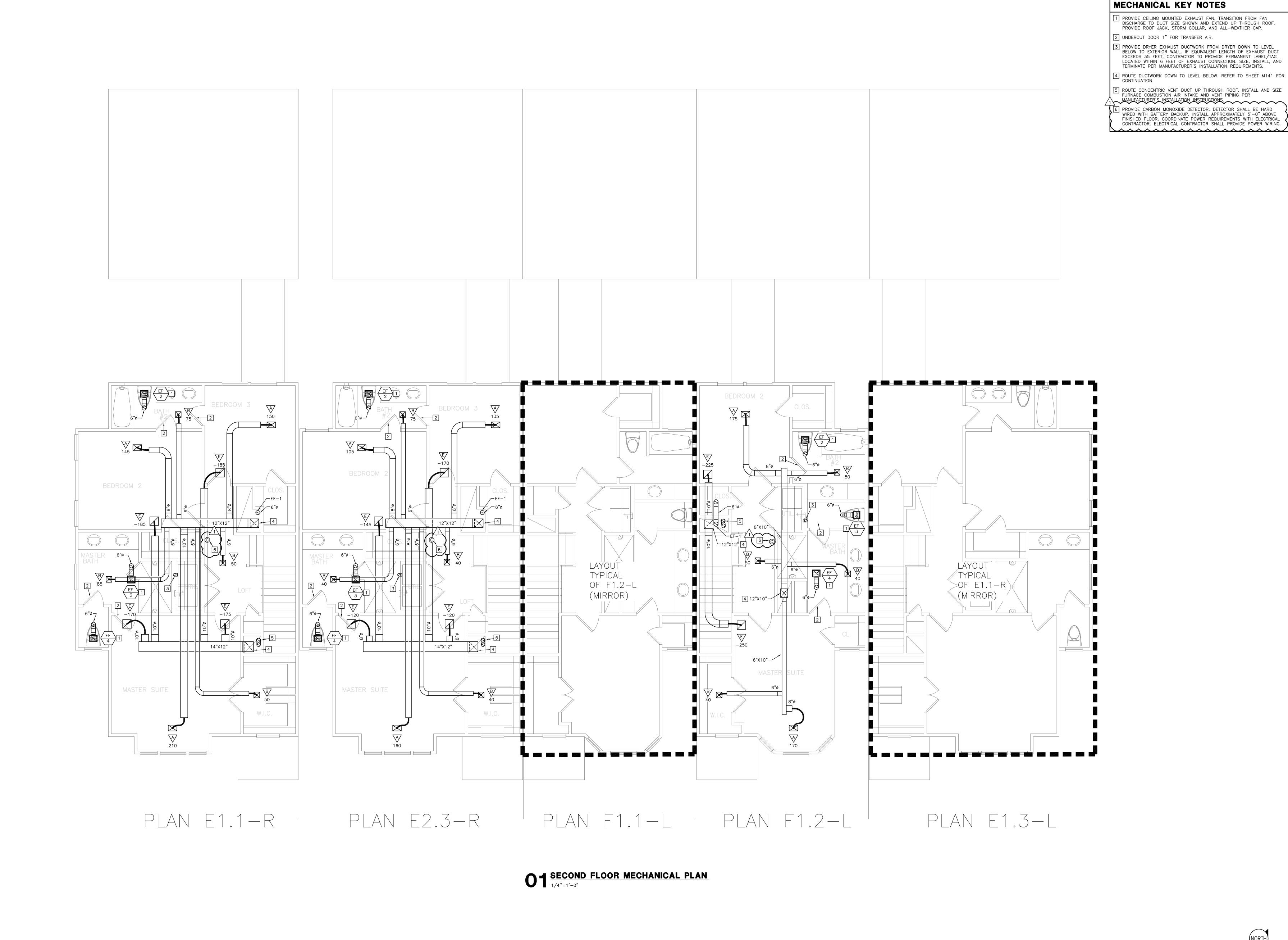


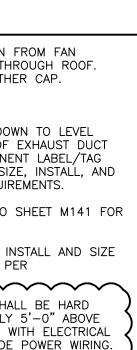


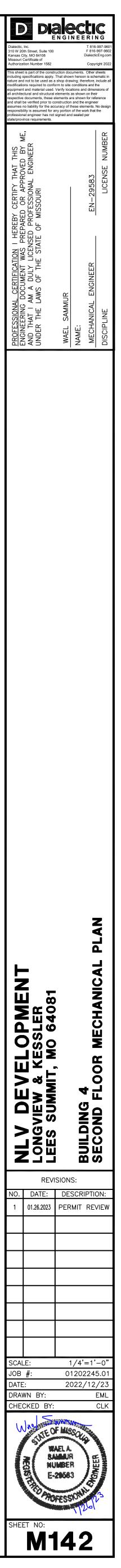




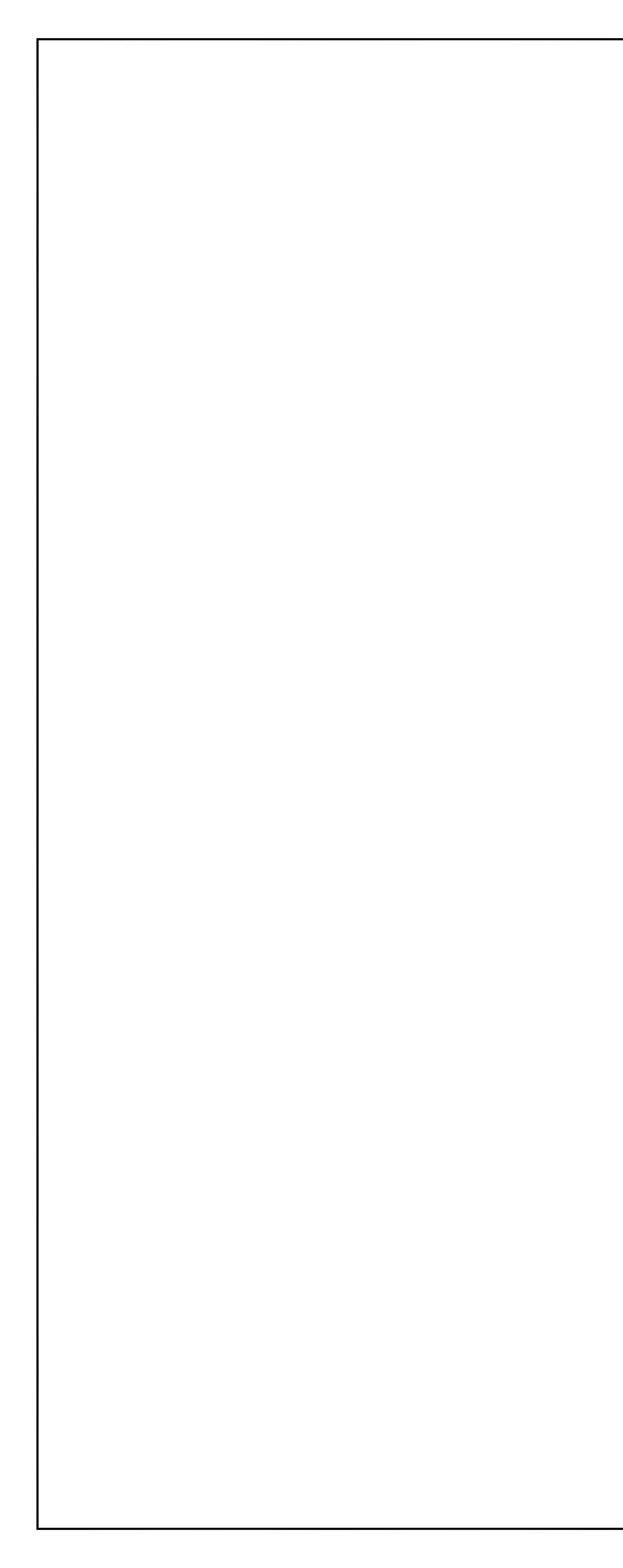












EXPA	NSION TAN	IK SCHED	ULE							
SYMBOL	MANUFACTURER	MODEL	TOTAL VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	CONNECTION LOCATION	CONNECTION SIZE	MOUNTING	NOTES (#)		
<u>ET</u>	AMTROL	ST-5	2	.45	ТОР	3⁄4"	NEAR WH-1	(1), (2)		
2. FIELD CHARGE EXPANSION TANK TO SYSTEM PRESSURE BEFORE CONNECTION TO DOMESTIC WATER SYSTEM. FIELD VERIFY PRESSURE REQUIREMENTS.										
RFCI	RCIII ATION	PUMP SC								
RECI	RCULATION	PUMP SC	HEDULE					1		
RECII	MANUFACTURER			F HEAD VOLTA	GE PHASE	FLA	WATTS	NOTES (#)		

SYMBOL	MANUFACTURER	MODEL	GALLONS	FEET OF HEAD	VOLTAGE	PHASE	FLA				
<u>RP</u>	BELL & GOSSETT	NBF-8S/LW	2	1.22	115	1	0.38				
	NOTES: 1. PROVIDE PIPE MOUNTED AQUASTAT INSTALLED UP STREAM OF PUMP. SET PUMP TO TURN ON 1 HOUR BEFORE AND BUSINESS HOURS. COORDINATE HOURS OF BUSINESS WITH OWNER'S REPRESENTATIVE.										

	WATER HEATER SCHEDULE											
MARK	MANUFACTURER	MODEL	TYPE	- TANK	STORAGE	RECOVERY	RECOVERY TEMP	ELECTRICAL			NOTES	
MARA	MANUFACTORER	MODEL		LINING	GALLONS	GPH	RISE	VOLT	PH	HZ		NOTES
<u>WH-1</u>	AO SMITH	GPDX 50L	GAS TANK	GLASS	50	73	100 <b>°</b> F	120	1	60		1
	NOTES: 1. PROVIDE DISCONNECT AND TEMPERATURE PRESSURE RELIEF VALVE. SEE DETAIL AND SPECIFICATIONS.											

		•	39			N/A
TUR	N	OFF	1	HOUR	AFTER	NORMAL

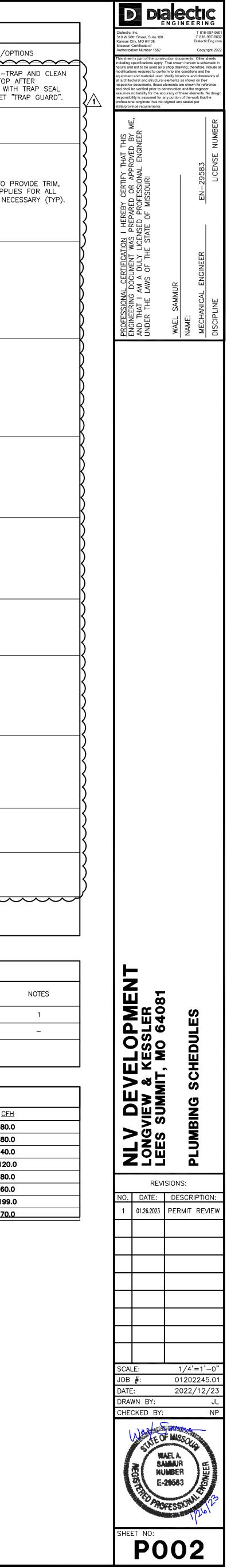
ID	FIXTURE TYPE	MANUFACTURER	MODEL	DESCRIPTION	ACCESSORIES/OPTI
FD	FLOOR DRAIN	GENERAL CONTRACTOR TO PROVIDE (TYP).	GENERAL CONTRACTOR TO PROVIDE (TYP).	FLOOR DRAIN WITH CAST IRON BODY TO BE PROVIDED BY GENERAL CONTRACTOR. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN.	PROVIDE OUTLET WITH P-TRAF AND POLISH STRAINER TOP AN INSTALLATION. PROVIDE WITH DEVICE EQUAL TO PROSET "TF
<u>IMB</u>	ICE MAKER BOX	-	_	ICE MAKER BOX TO BE PROVIDED BY GENERAL CONTRACTOR. PLUMBING FIXTURE TO ADHERE TO LOCAL PLUMBING CODE.	_
<u>LV–1</u>	LAVATORY	_	_	SOLID SURFACE LAVATORY AND DECK WITH TWO HANDLE FAUCET TO BE PROVIDED BY GENERAL CONTRACTOR. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN. FIXTURE FLOW RATE TO ADHERE TO LOCAL PLUMBING CODE.	GENERAL CONTRACTOR TO PRI TMVS, P-TRAP, AND SUPPLIES PLUMBING FIXTURES AS NECE
<u>LV-2</u>	BATHROOM PEDESTAL SINK	_	_	BATHROOM PEDESTAL PORCELAIN SINK TO BE PROVIDED BY GENERAL CONTRACTOR. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN. FIXTURE FLOW RATE TO ADHERE TO LOCAL PLUMBING CODE.	_
<u>LV–3</u>	MASTER BATHROOM LAVATORY	_	_	SOLID SURFACE LAVATORY AND DECK WITH SINGLE HANDLE FAUCET TO BE PROVIDED BY GENERAL CONTRACTOR. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN. FIXTURE FLOW RATE TO ADHERE TO LOCAL PLUMBING CODE.	_
<u>KS-1</u>	KITCHEN SINK	_	_	STAINLESS STEEL TWO COMPARTMENT KITCHEN SINK, FAUCET(WITH PULL DOWN SPRAYER), AND GARBAGE DISPOSAL UNDER SINK TO BE PROVIDED BY GENERAL CONTRACTOR. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN. FIXTURE FLOW RATE TO ADHERE TO LOCAL PLUMBING CODE.	_
DW	DISHWASHER	_	_	DISHWASHER TO BE PROVIDED BY GENERAL CONTRACTOR. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN. FIXTURE FLOW RATE TO ADHERE TO LOCAL PLUMBING CODE.	_
<u>WC-1</u>	WATER CLOSET	_	_	FLOOR MOUNTED TANK TYPE WATER CLOSET TO BE PROVIDED BY GENERAL CONTRACTOR. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN. FIXTURE FLOW RATE TO ADHERE TO LOCAL PLUMBING CODE.	_
<u>SH-1</u>	SHOWER	-	_	FIBERGLASS SHOWER TO BE PROVIDED BY GENERAL CONTRACTOR. DELTA SHOWER VALVE WITH COMBO SHOWER HEAD/RAINWATER HEAD TO BE PROVIDED BY GENERAL CONTRACTOR. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN. FIXTURE FLOW RATE TO ADHERE TO LOCAL PLUMBING CODE.	_
<u>BT-1</u>	BATH TUB	-	_	FIBERGLASS BATH/SHOWER COMBO TO BE PROVIDED BY GENERAL CONTRACTOR. GENERAL CONTRACTOR TO PROVIDE DELTA SHOWER VALVE WITH SHOWER HEAD. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN. FIXTURE FLOW RATE TO ADHERE TO LOCAL PLUMBING CODE.	_
<u>HB-1</u>	HOSE BIBB	-	_	FROST PROOF SILCOCK, ANTI-SIPHON HOSE BIBB. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN.	_
<u>WB-1</u>	WASHER BOX	-	_	WASHER BOX TO BE PROVIDED BY GENERAL CONTRACTOR. VERIFY ALL PLUMBING PIPE CONNECTIONS COMPLY WITH PIPE SIZES SHOWN ON PLAN.	_

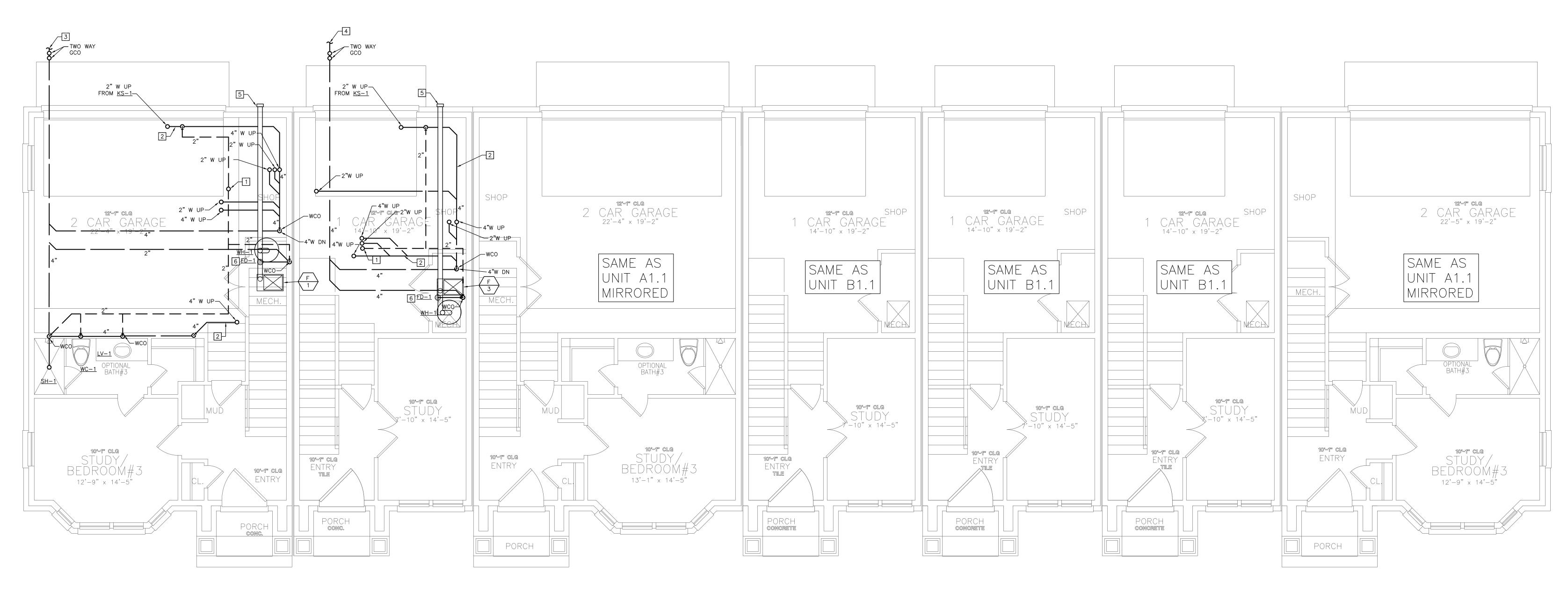
NO.	TES:	$\sim$	$\sim$				
1.	VERIFY FIXTURE MANUFACTUR	ER MODEL AND	TYPE PRIOR	TO ORDERING.	VERIFY WITH	ARCHITECT AND	OWNER.

			S	EWA	GE E	JECTO	R S	CHE	EDU	ILE			
MARK	MANUFACTURER	MODEL	TYPE	FLUID	FLOW GPM	PRESSURE HEAD		MOTOR		ELECTRICAL			SERVICE
MARK				TEMP				RPM	HP	VOLT	PH	HZ	SERVICE
<u>SE-1</u>	ZOELLER	M264	SEWAGE EJECTOR	110 <b>°</b> F	4	16 FT	-	1725	4/10	115	1	60	WASTE
	-	_	-	-	-	-	-	-	-	-	-	-	-

1. PROVIDE COMBINATION MOTOR STARTER/DISCONNECT SWITCH TO ELECTRICAL CONTRACTOR FOR INSTALLATION.

GAS SCHEDULE	
MARK	<u>CFH</u>
F-1	80.0
F-2	80.0
F–3	40.0
F-4	120.0
F-5	80.0
F-6	60.0
GWH-1	199.0
GAS OVEN	70.0





UNIT A1.1

UNIT B1.1

UNIT A2.1

UNIT B1.1

**O1** FIRST FLOOR WASTE AND VENT PLAN  $\frac{1}{4''=1'-0''}$ 

## GENERAL NOTES

1. PER 2018 IRC 302.2.2., PIPING NOT ALLOWED IN COMMON WALLS.

PROVIDE A FURR OUT WALL FOR ALL PLUMBING PIPING SERVING PLUMBING FIXTURES ON COMMON WALLS OR PIPING IN COMMON WALLS. PLUMBING PIPING SHOWN ON PLANS IS FOR DIAGRAMMATICAL PURPOSES ONLY.

PLUMBING KEYNOTES

 2" VENT PIPE FROM ABOVE.
 WASTE PIPING IN FIRST FLOOR CEILING TIGHT TO STRUCTU A SLOPE OF 1/8" PER FOOT.

A SLOPE OF 178" PER FOOT. 4" WASTE PIPING OUT TO CIVIL. ESTIMATED INVERT ELEVAT

 BELOW GRADE.
 4" WASTE PIPING OUT TO CIVIL. ESTIMATED INVERT ELEVAT BELOW GRADE.

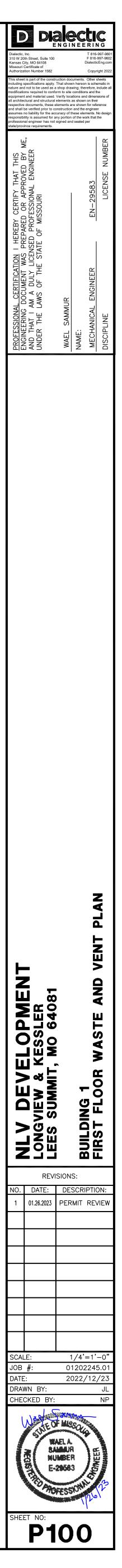
5 PROVIDE MANUFACTURER CONCENTRIC VENT KIT FOR WALL SIZE AND INSTALL PER MANUFACTURER'S REQUIREMENTS.

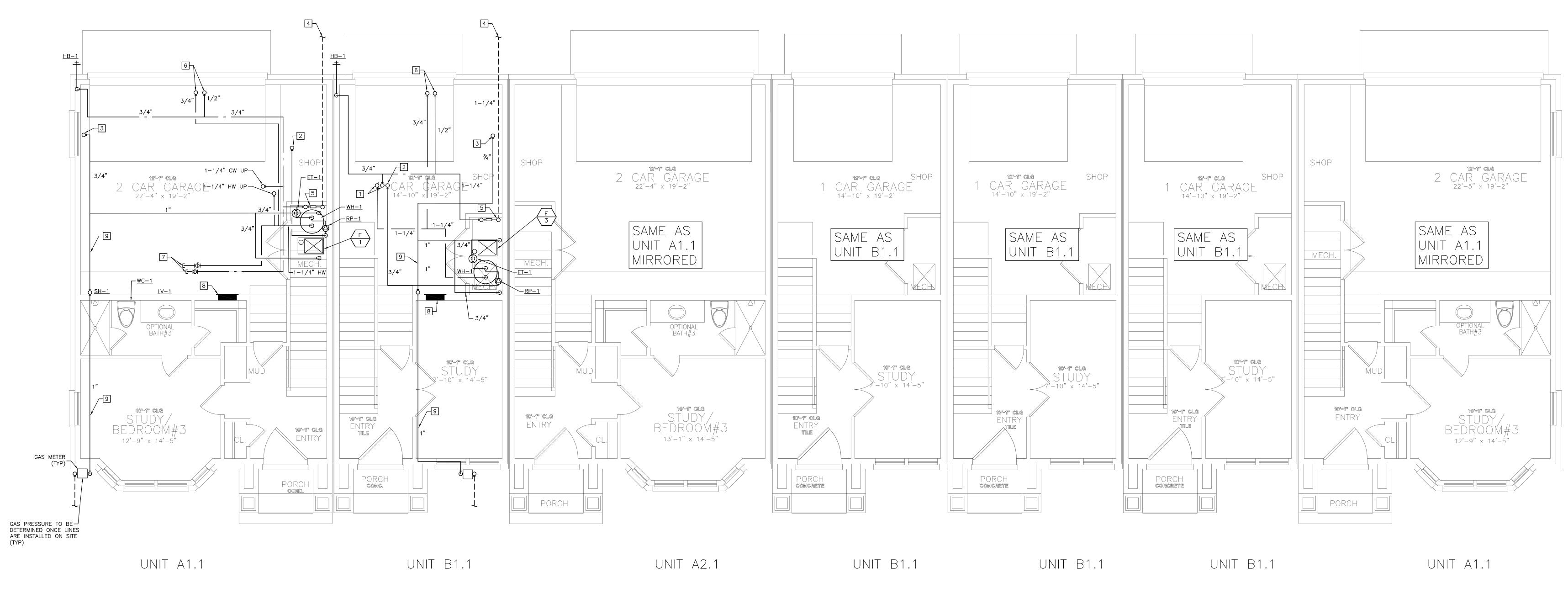
6 ROUTE CONDENSATION FROM FURNACE AND WATER HEATER DRAIN WITH AHJ AIR GAP.

UNIT B1.1

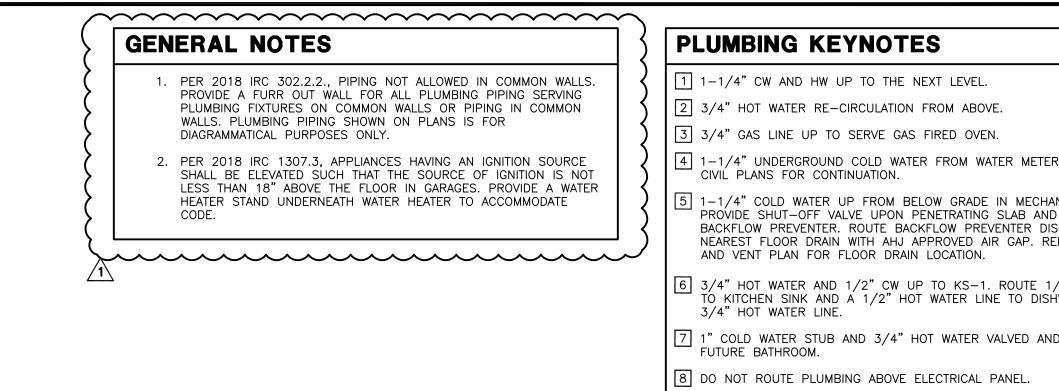
UNIT B1.1

TURAL. ROUTE AT
ATION IS 2'-6"
ATION IS 2'-5"
LL DISCHARGE.
ER TO FLOOR



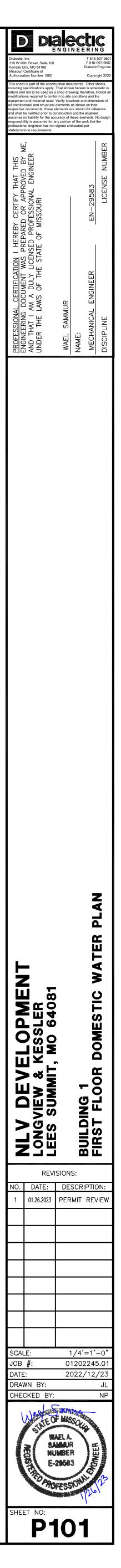


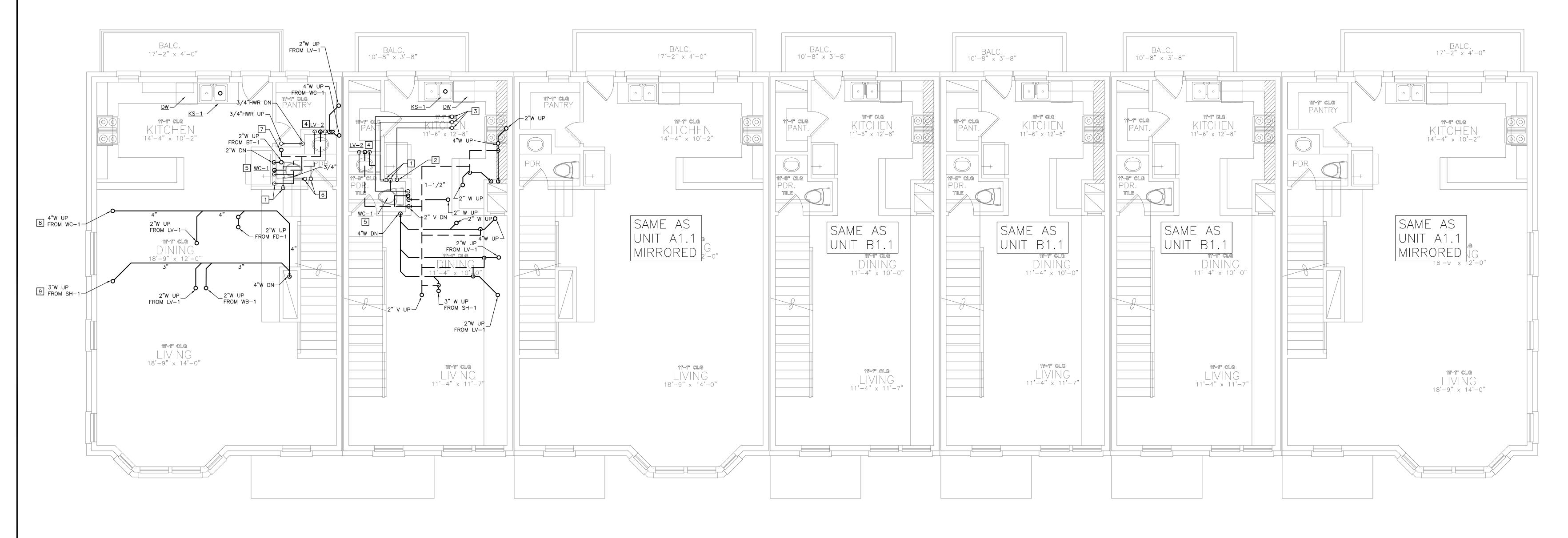
**O1** FIRST FLOOR DOMESTIC WATER PLAN





R. REFERENCE
ANICAL CLOSET. D 1—1/4" RPZ ISCHARGE TO EFERENCE WASTE
1/2"HOT WATER HWASHER FROM
ND CAPPED FOR





UNIT A1.1

UNIT B1.1

UNIT A2.1

UNIT B1.1

**O1** SECOND FLOOR PLUMBING PLAN  $\frac{1}{4''=1'-0''}$ 

## **GENERAL NOTES**

1. PER 2018 IRC 302.2.2., PIPING NOT ALLOWED IN COMMON WALLS. PROVIDE A FURR OUT WALL FOR ALL PLUMBING PIPING SERVING PLUMBING FIXTURES ON COMMON WALLS OR PIPING IN COMMON WALLS. PLUMBING PIPING SHOWN ON PLANS IS FOR DIAGRAMMATICAL PURPOSES ONLY.

## PLUMBING KEYNOTES

1 1-1/4" CW AND HW FROM BELOW.

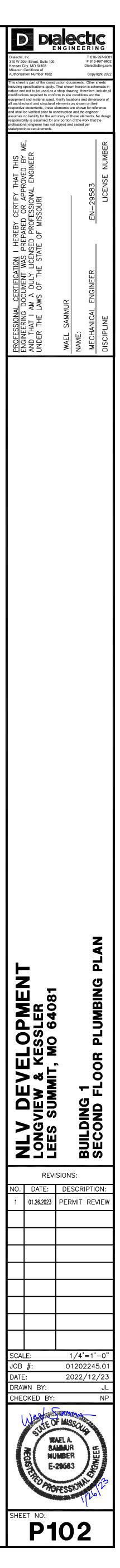
2 3/4" HWR DOWN TO LEVEL BELOW.

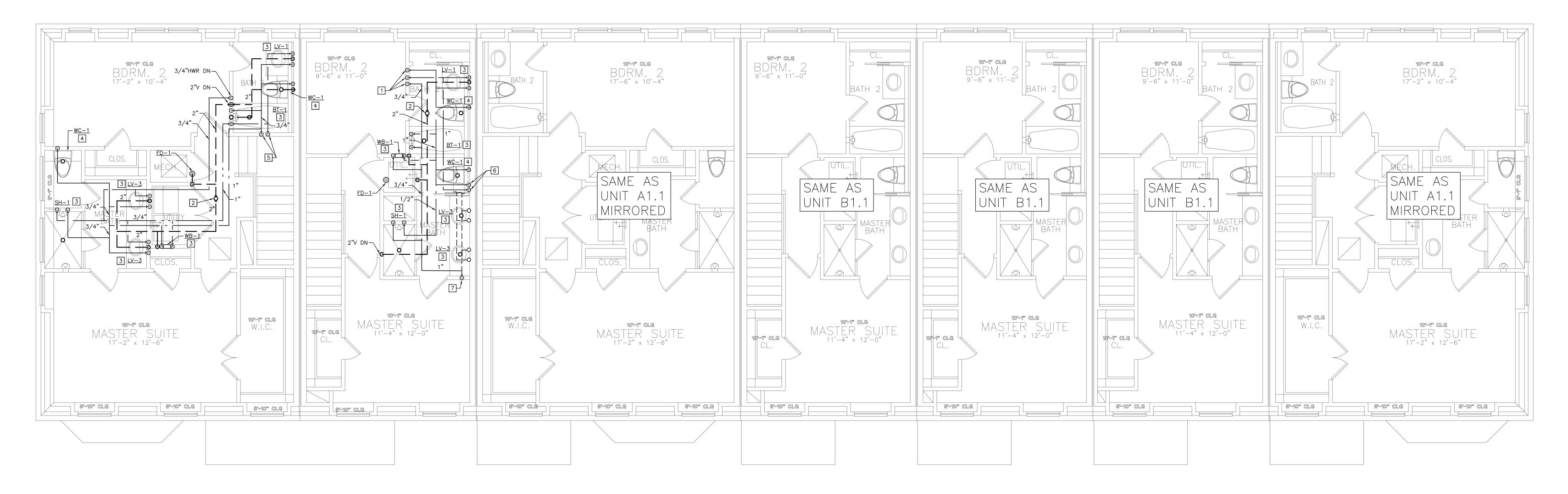
- 3 1" CW AND HW UP TO NEXT LEVEL. 3/4" HWR FROM LE
- 4 1/2" CW AND HW TO SERVE FIXTURE. REFERENCE PLUMB SCHEDULE FOR ADDITIONAL INFORMATION.
- 5 1/2" CW TO SERVE FIXTURE. REFERENCE PLUMBING FIXTU FOR ADDITIONAL INFORMATION.
- 6 1" CW AND HW UP TO NEXT LEVEL.
- 7 2" VENT FROM ABOVE DOWN.
- 8 WATER CLOSET WET VENTED FROM LAVATORY DOWNSTREAM. REFERENCE SECTION 912 AND TABLE 912.3 OF THE 2018 IPC.
- 9 SHOWER WET VENTED FROM LAVATORY DOWNSTREAM. REFERENCE SECTION 912 AND TABLE 912.3 OF THE 2018 IPC.

UNIT B1.1

UNIT B1.1

EVEL	ABOVE.	
/BING	FIXTURE	
TURE	SCHEDULE	





UNIT A1.1

UNIT B1.1



UNIT A2.1

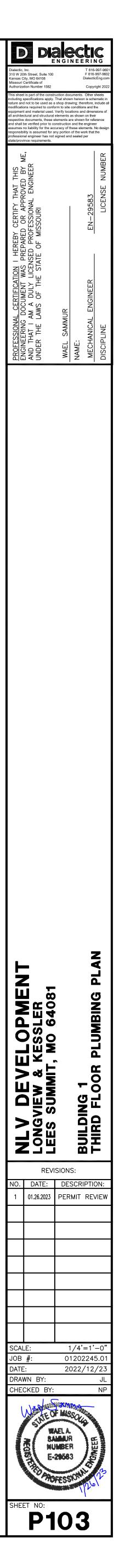
UNIT B1.1

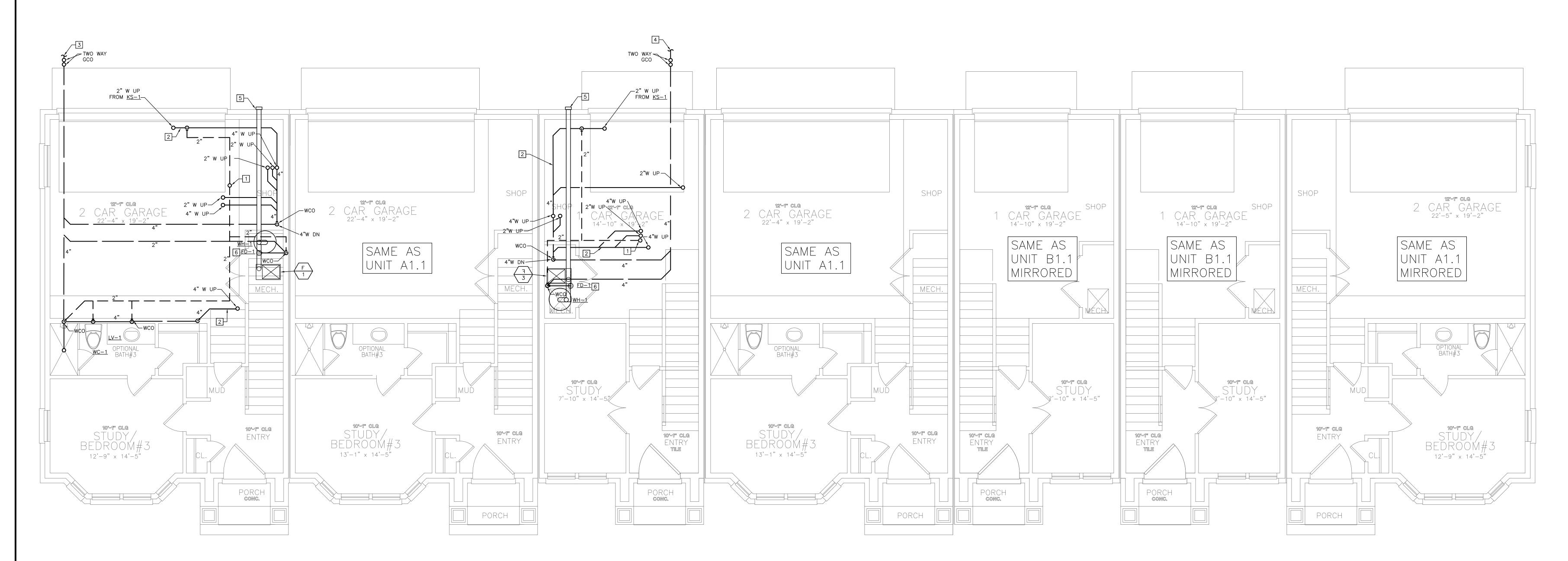
## PLUMBING KEYNOTES **GENERAL NOTES** 1. PER 2018 IRC 302.2.2., PIPING NOT ALLOWED IN COMMON WALLS. 1 1" CW AND HW FROM BELOW. 3/4" HWR DOWN TO NEXT LEVEL. PROVIDE A FURR OUT WALL FOR ALL PLUMBING PIPING SERVING 2 3" VENT UP TO 3" VENT THROUGH ROOF. PLUMBING FIXTURES ON COMMON WALLS OR PIPING IN COMMON WALLS. PLUMBING PIPING SHOWN ON PLANS IS FOR 3 1/2" CW AND HW TO SERVE FIXTURE. REFERENCE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. DIAGRAMMATICAL PURPOSES ONLY. 4 1/2" CW TO SERVE FIXTURE. REFERENCE PLUMBING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. $\sim$ 5 1" CW AND HW FROM BELOW. 6 ROUTE 3" CW AND 1" DOWN IN CHASE AND ROUTE BELOW FLOOR TO SERVE LAVATORIES AS SHOWN ON FLOOR PLAN. BRANCH OFF 1/2" HW LINE TO EACH LAVATORY AS SHOWN.

7 1" HOT WATER LINE FROM BELOW FLOOR UP TO BATHROOM CEILING.

UNIT B1.1

UNIT B1.1





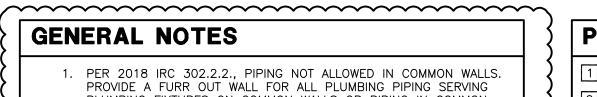
UNIT A1.1

UNIT A2.1



UNIT B1.1

UNIT A2.1



PLUMBING FIXTURES ON COMMON WALLS OR PIPING IN COMMON WALLS. PLUMBING PIPING SHOWN ON PLANS IS FOR DIAGRAMMATICAL PURPOSES ONLY.

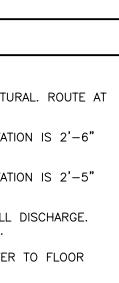
## PLUMBING KEYNOTES

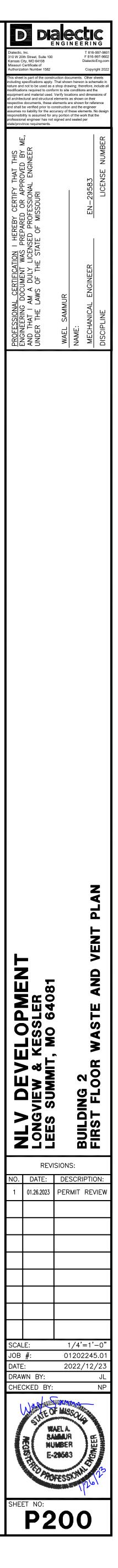


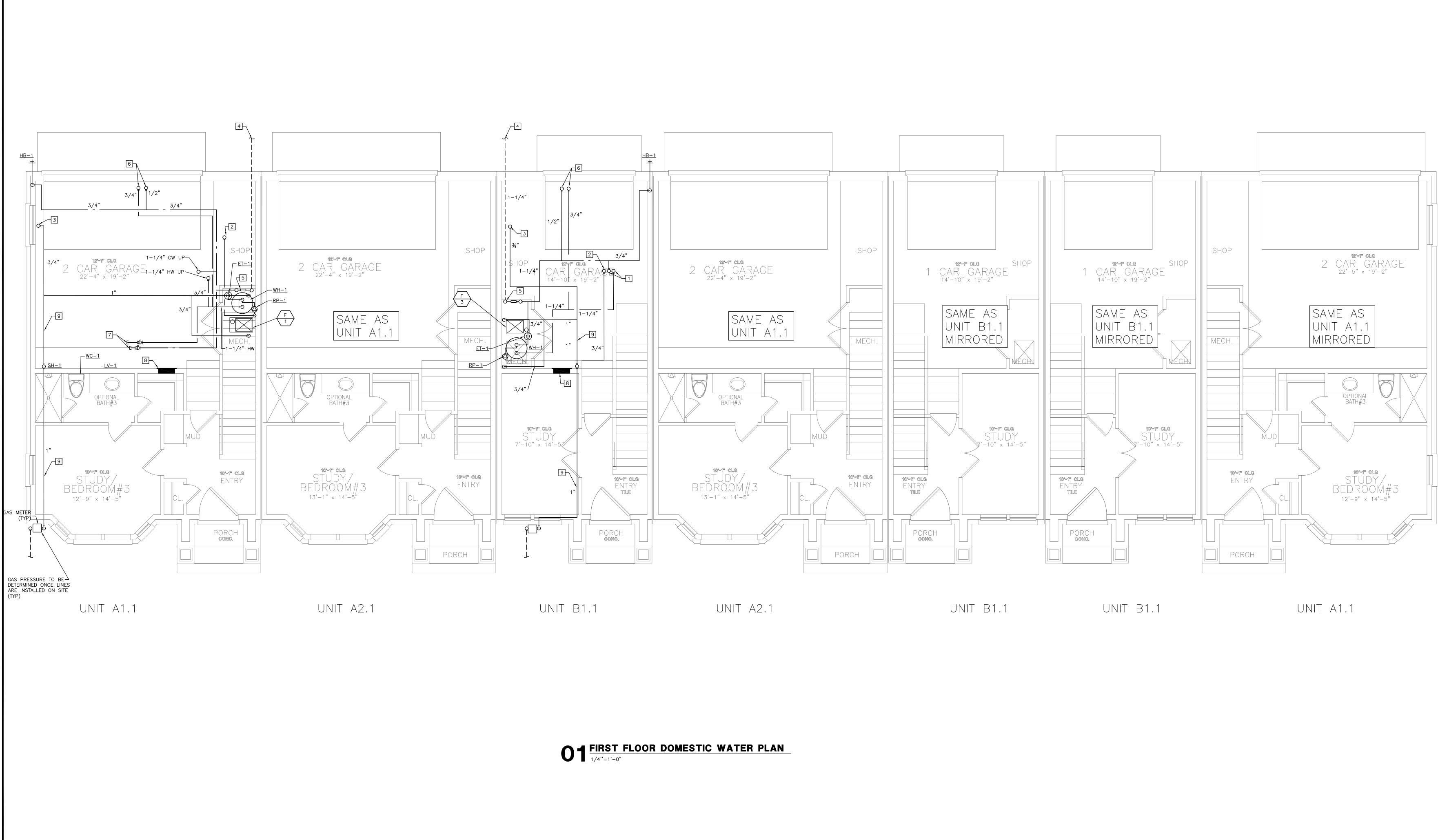
- 2 WASTE PIPING IN FIRST FLOOR CEILING TIGHT TO STRUCTURAL. ROUTE AT A SLOPE OF 1/8" PER FOOT.
- 3 4" WASTE PIPING OUT TO CIVIL. ESTIMATED INVERT ELEVATION IS 2'-6" BELOW GRADE.
- 4 4" WASTE PIPING OUT TO CIVIL. ESTIMATED INVERT ELEVATION IS 2'-5" BELOW GRADE.
- 5 PROVIDE MANUFACTURER CONCENTRIC VENT KIT FOR WALL DISCHARGE. SIZE AND INSTALL PER MANUFACTURER'S REQUIREMENTS.
- 6 ROUTE CONDENSATION FROM FURNACE AND WATER HEATER TO FLOOR DRAIN WITH AHJ AIR GAP.

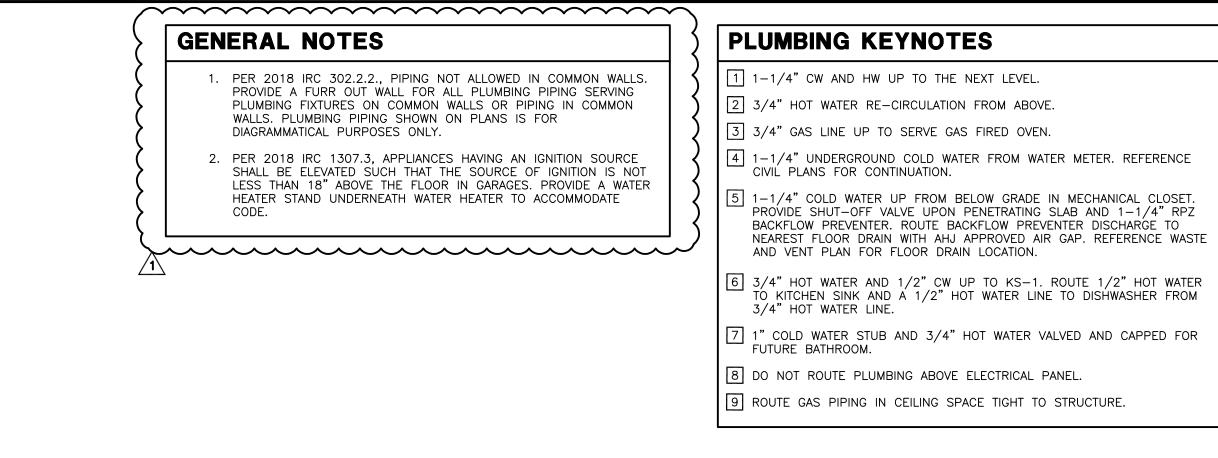


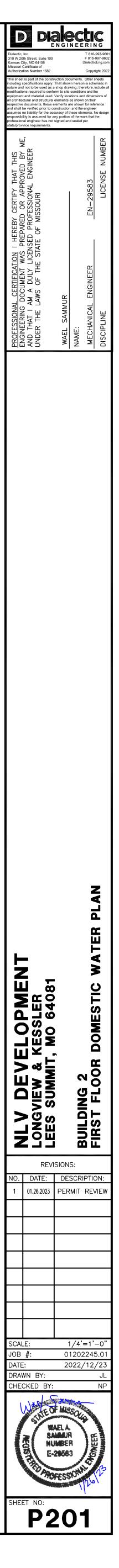
UNIT B1.1

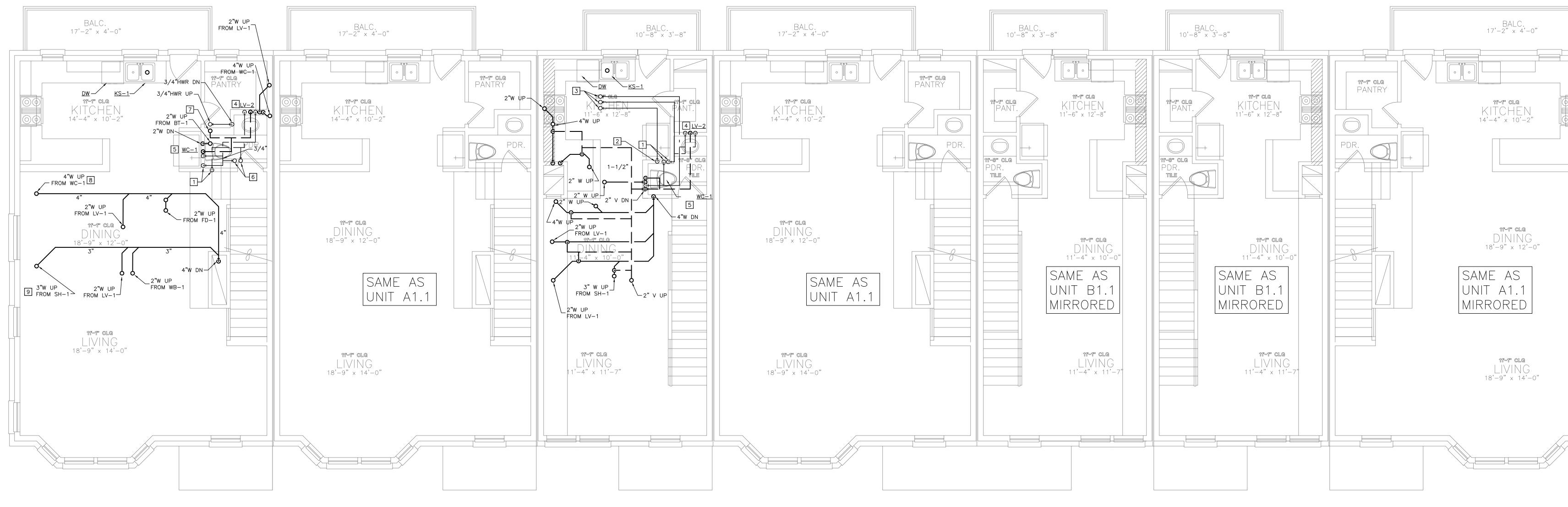












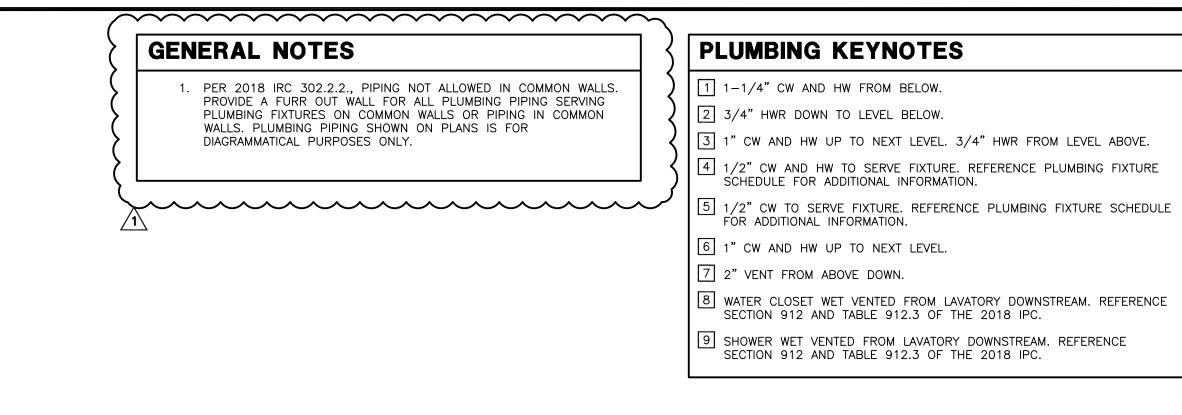
## UNIT A1.1

UNIT A2.1

UNIT B1.1

UNIT A2.1



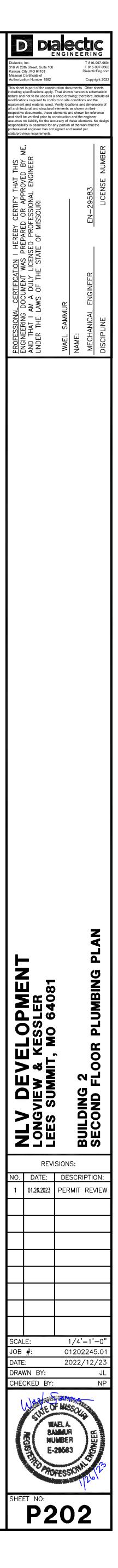


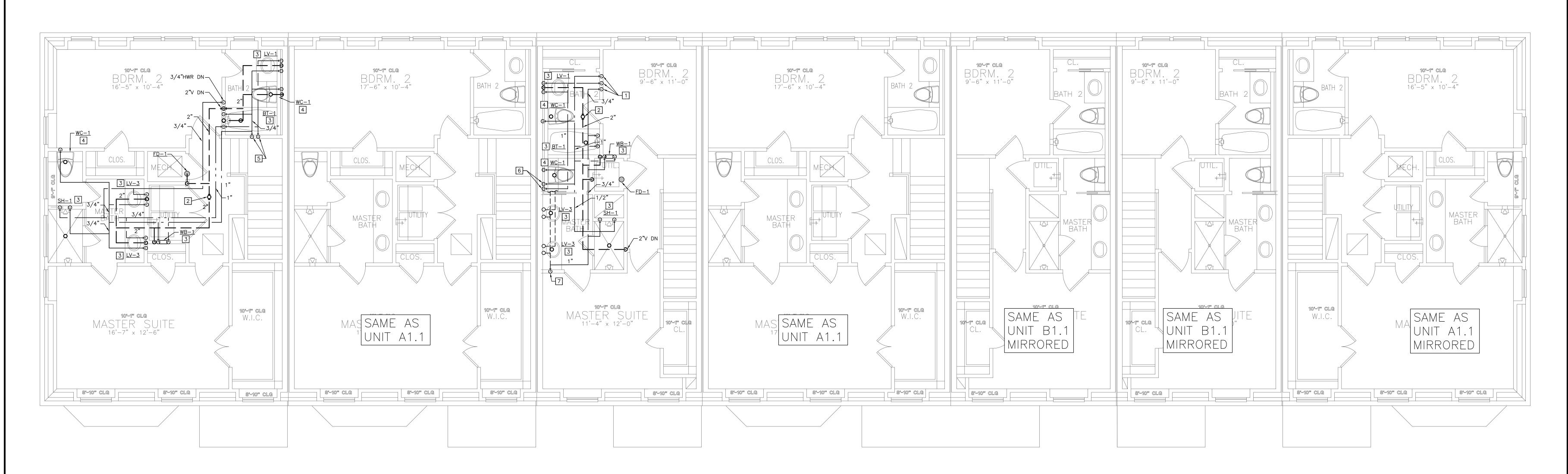
## UNIT B1.1

UNIT B1.1











GENERAL NOTES	PLUMBING KEYNOTES				
1. PER 2018 IRC 302.2.2., PIPING NOT ALLOWED IN COMMON WALLS.	<ol> <li>1 1" CW AND HW FROM BELOW. 3/4" HWR DOWN</li> <li>3" VENT UP TO 3" VENT THROUGH ROOF.</li> <li>1/2" CW AND HW TO SERVE FIXTURE. REFERENCE</li></ol>				
PROVIDE A FURR OUT WALL FOR ALL PLUMBING PIPING SERVING	SCHEDULE FOR ADDITIONAL INFORMATION. <li>1/2" CW TO SERVE FIXTURE. REFERENCE PLUME</li>				
PLUMBING FIXTURES ON COMMON WALLS OR PIPING IN COMMON	FOR ADDITIONAL INFORMATION. <li>1/2" CW AND HW FROM BELOW.</li> <li>1" CW AND HW FROM BELOW.</li> <li>ROUTE ¹/₂" CW AND 1" DOWN IN CHASE AND ROU</li>				
WALLS. PLUMBING PIPING SHOWN ON PLANS IS FOR	SERVE LAVATORIES AS SHOWN ON FLOOR PLAN.				
DIAGRAMMATICAL PURPOSES ONLY.	LINE TO EACH LAVATORY AS SHOWN. <li>1" HOT WATER LINE FROM BELOW FLOOR UP TO</li>				

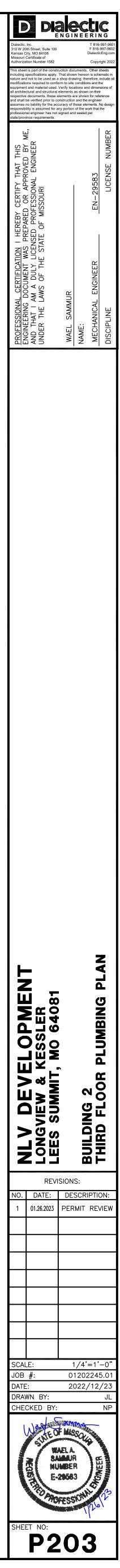
DOWN TO NEXT LEVEL.

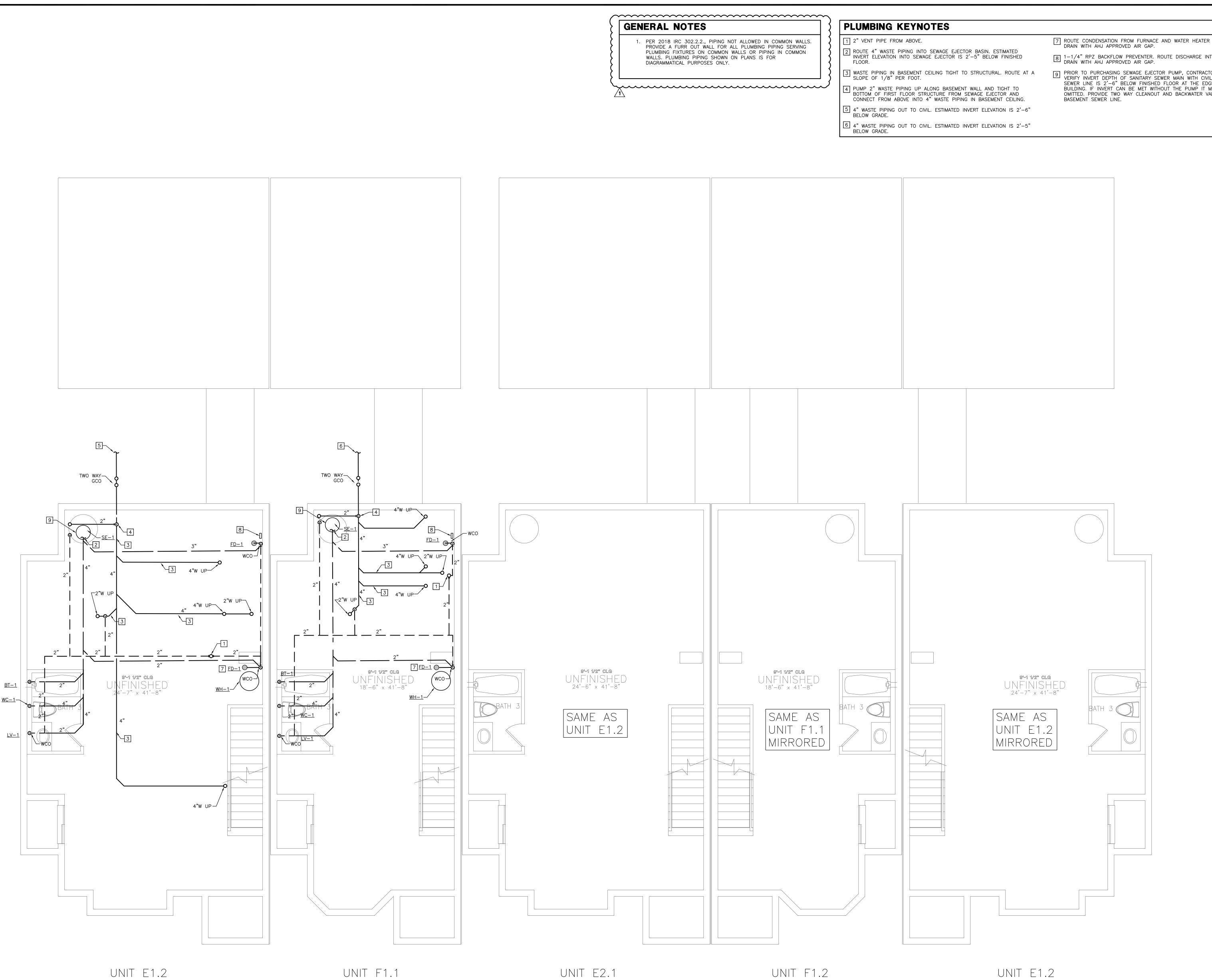
EFERENCE PLUMBING FIXTURE

PLUMBING FIXTURE SCHEDULE

AND ROUTE BELOW FLOOR TO R PLAN. BRANCH OFF 1/2" HW

R UP TO BATHROOM CEILING.





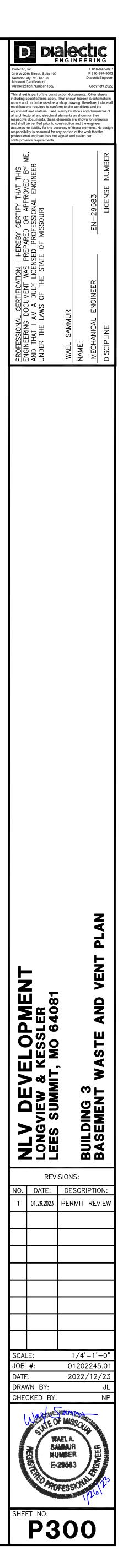
UNIT E1.2

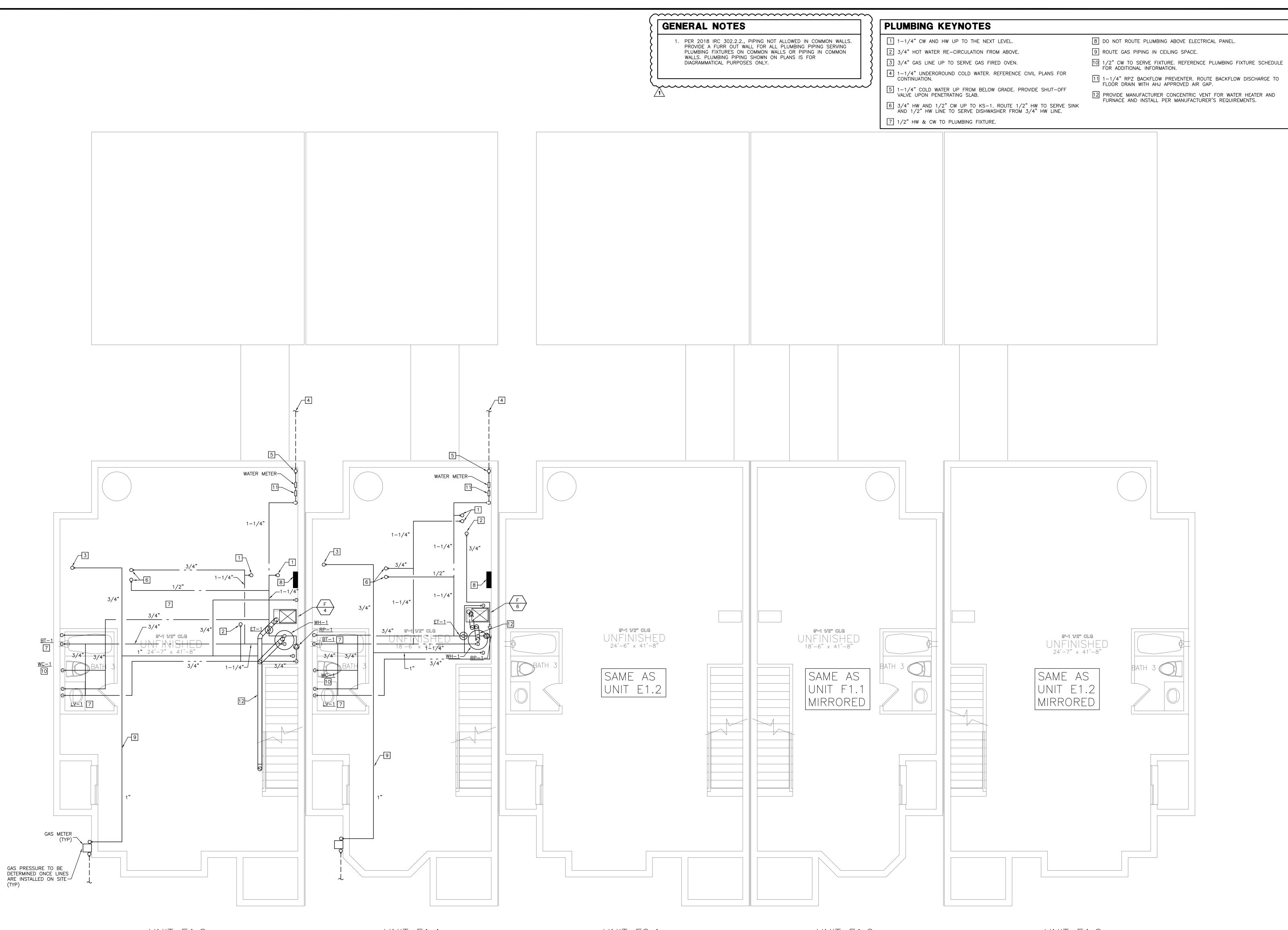
**O1** BASEMENT WASTE AND VENT PLAN  $\frac{1}{4''=1'-0''}$ 

UNIT F1.2

UNIT E1.2

R TO FLOOR
NTO FLOOR
CTOR TO FIELD /IL. BASEMENT DGE OF THE MAY BE /ALVE ON





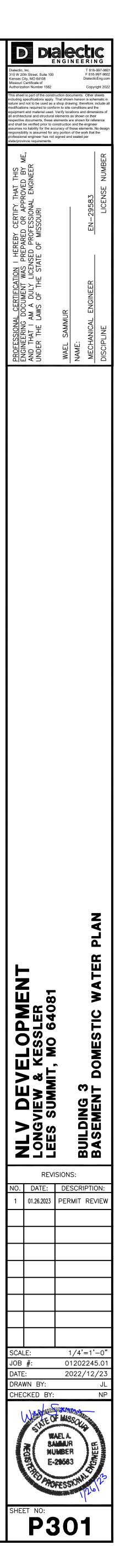
UNIT E1.2

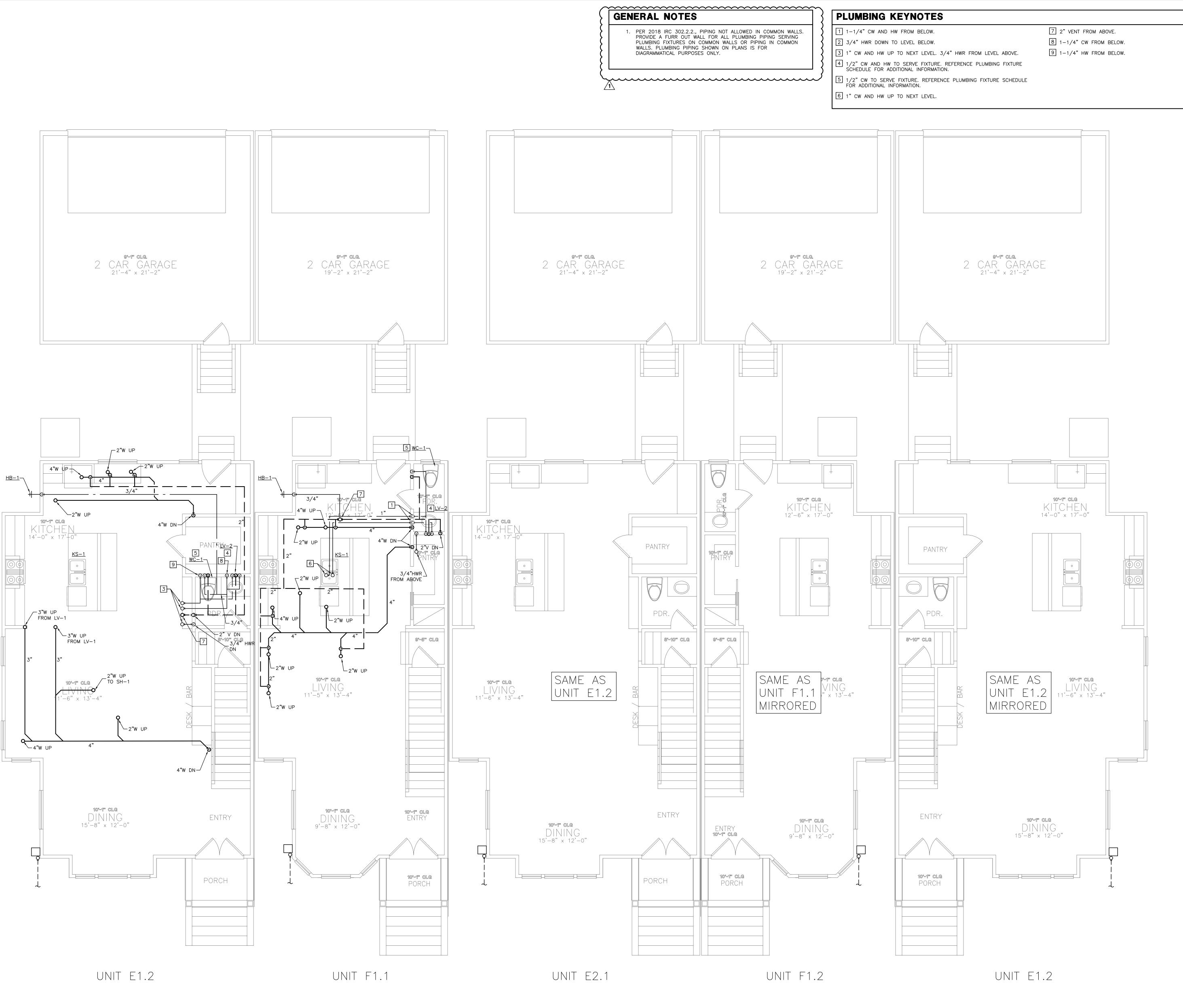


UNIT E2.1

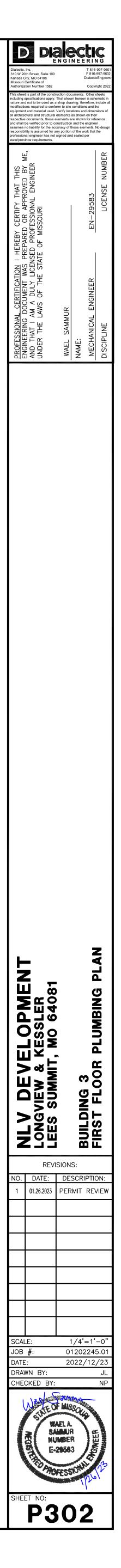
UNIT F1.2

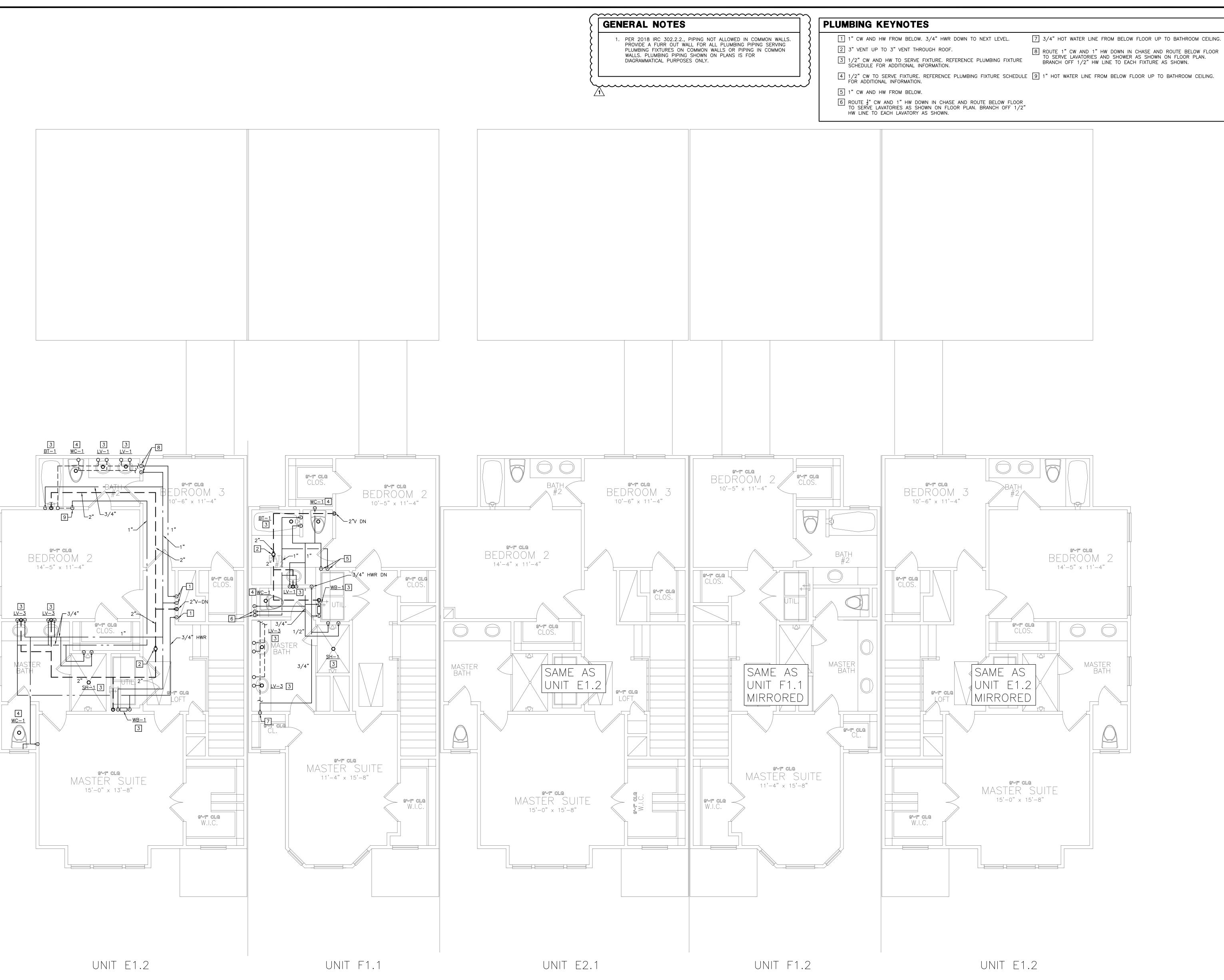
UNIT E1.2



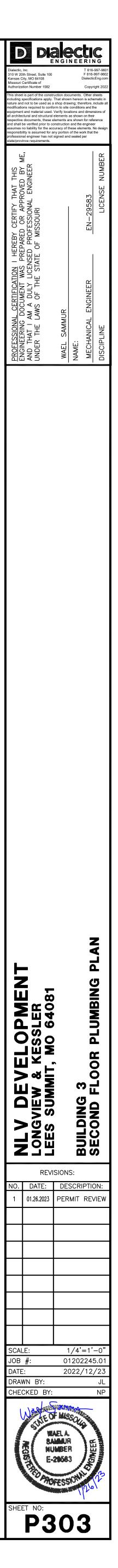


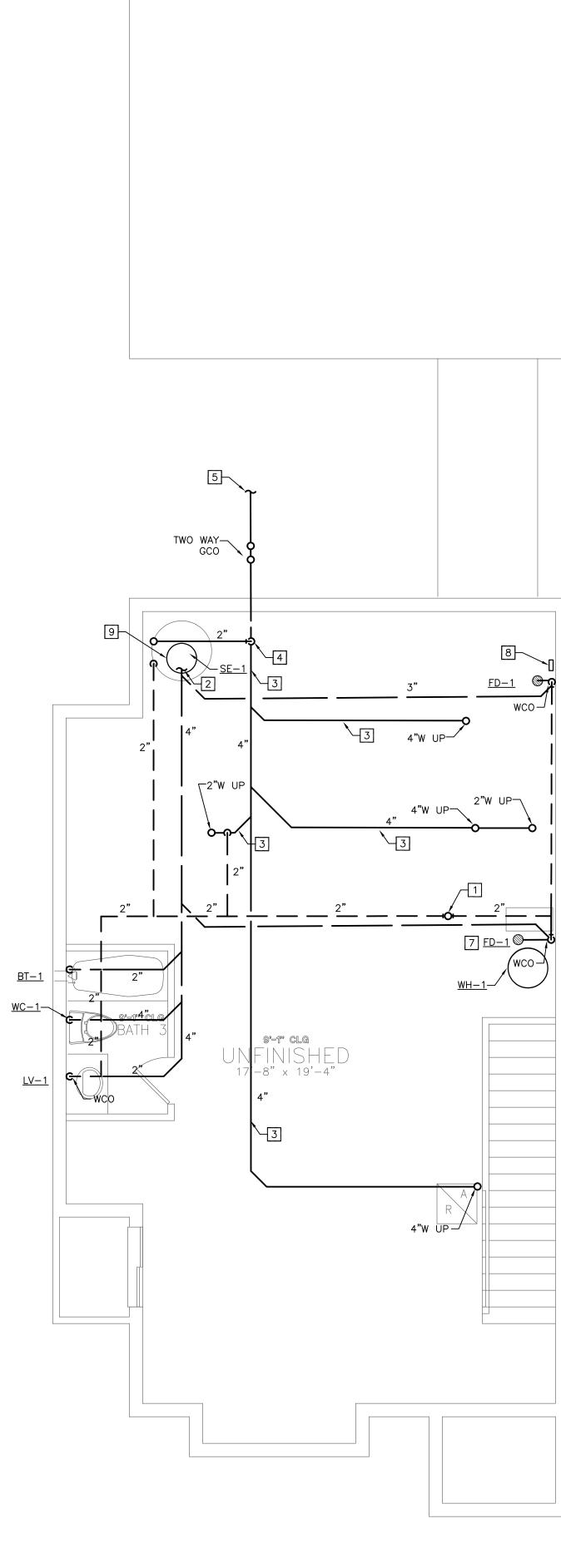
**O1** FIRST FLOOR PLUMBING PLAN



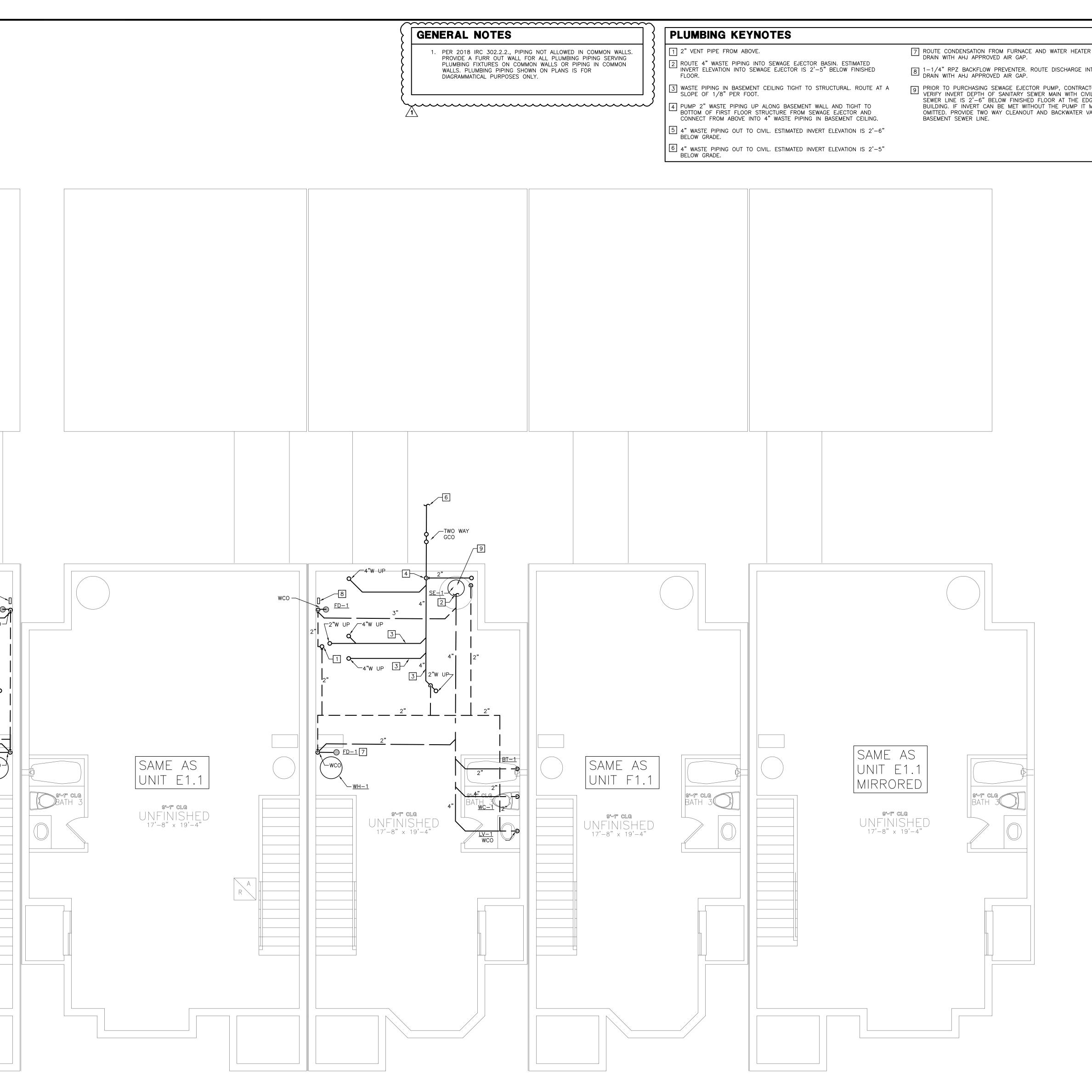


**O1** SECOND FLOOR PLUMBING PLAN  $\frac{1}{4''=1'-0''}$ 





UNIT E1.1



## UNIT E2.3

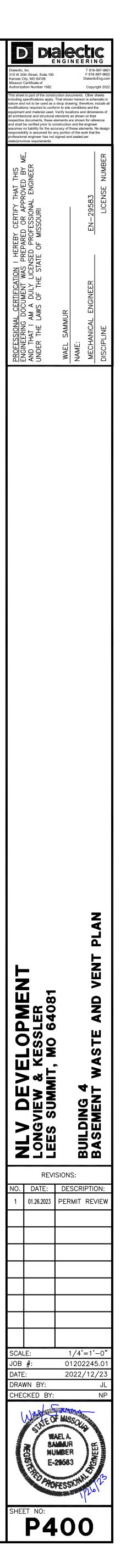
UNIT F1.1

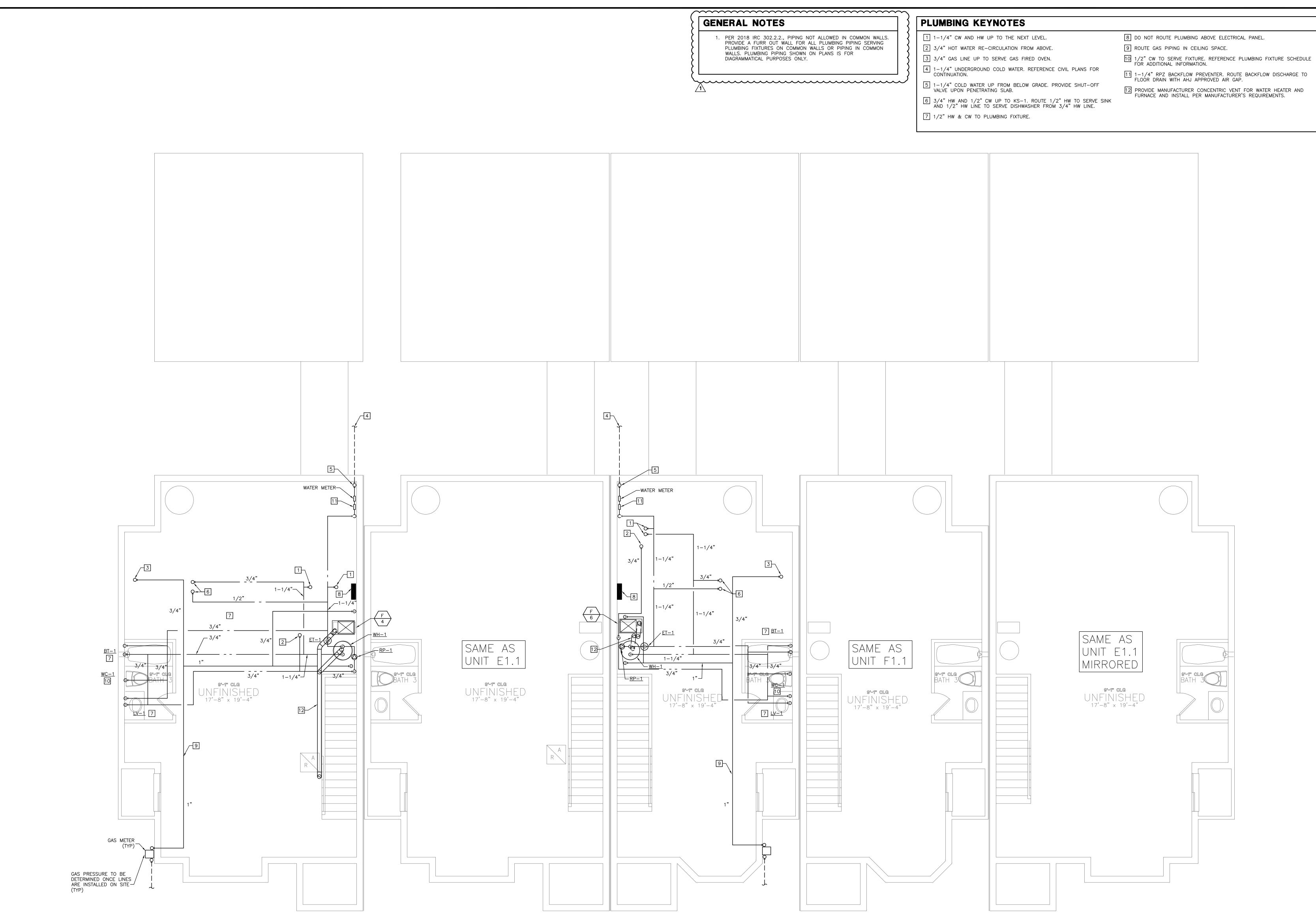
**O1 BASEMENT WASTE AND VENT PLAN**  $\frac{1}{1/4''=1'-0''}$ 

UNIT F1.2

UNIT E1.3

ER TO FLOOR
INTO FLOOR
CTOR TO FIELD VIL. BASEMENT DGE OF THE MAY BE VALVE ON





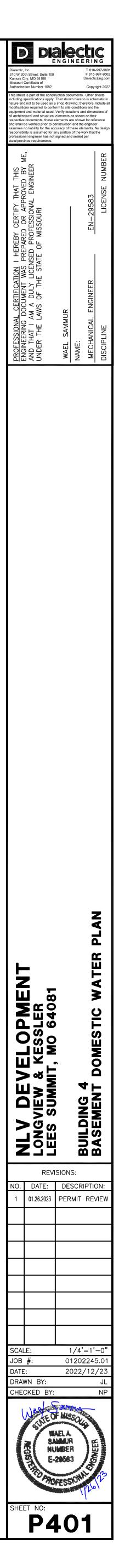
UNIT E1.1

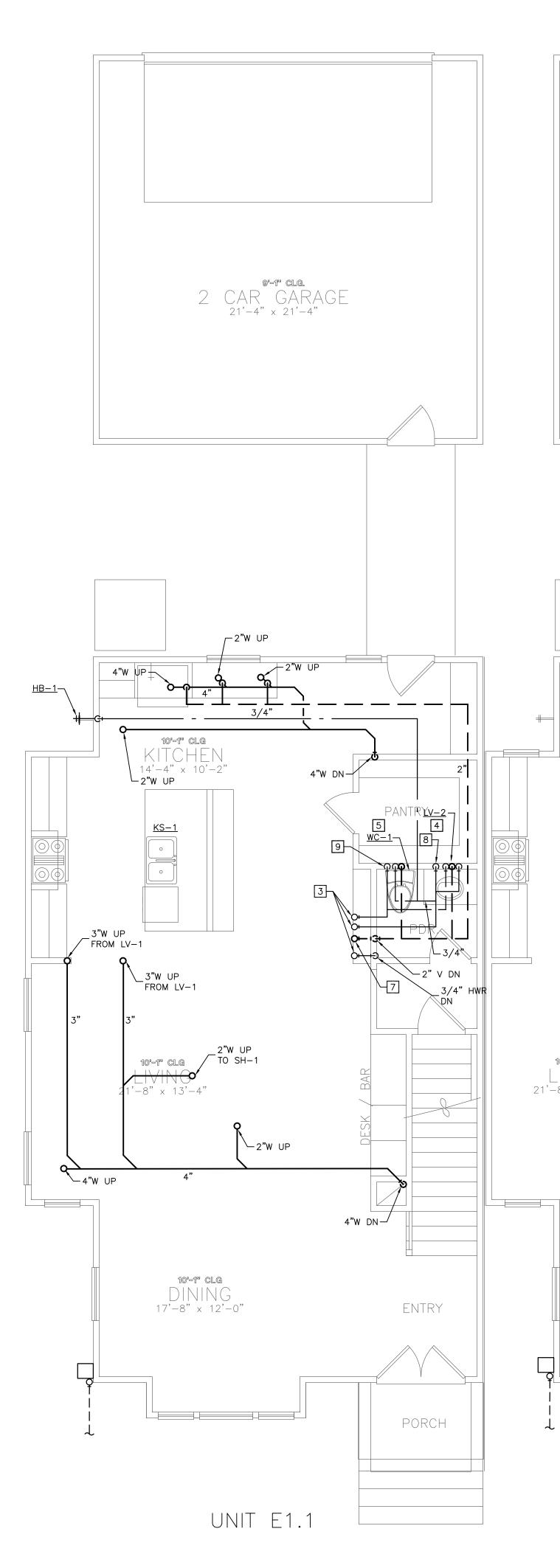
UNIT E2.3

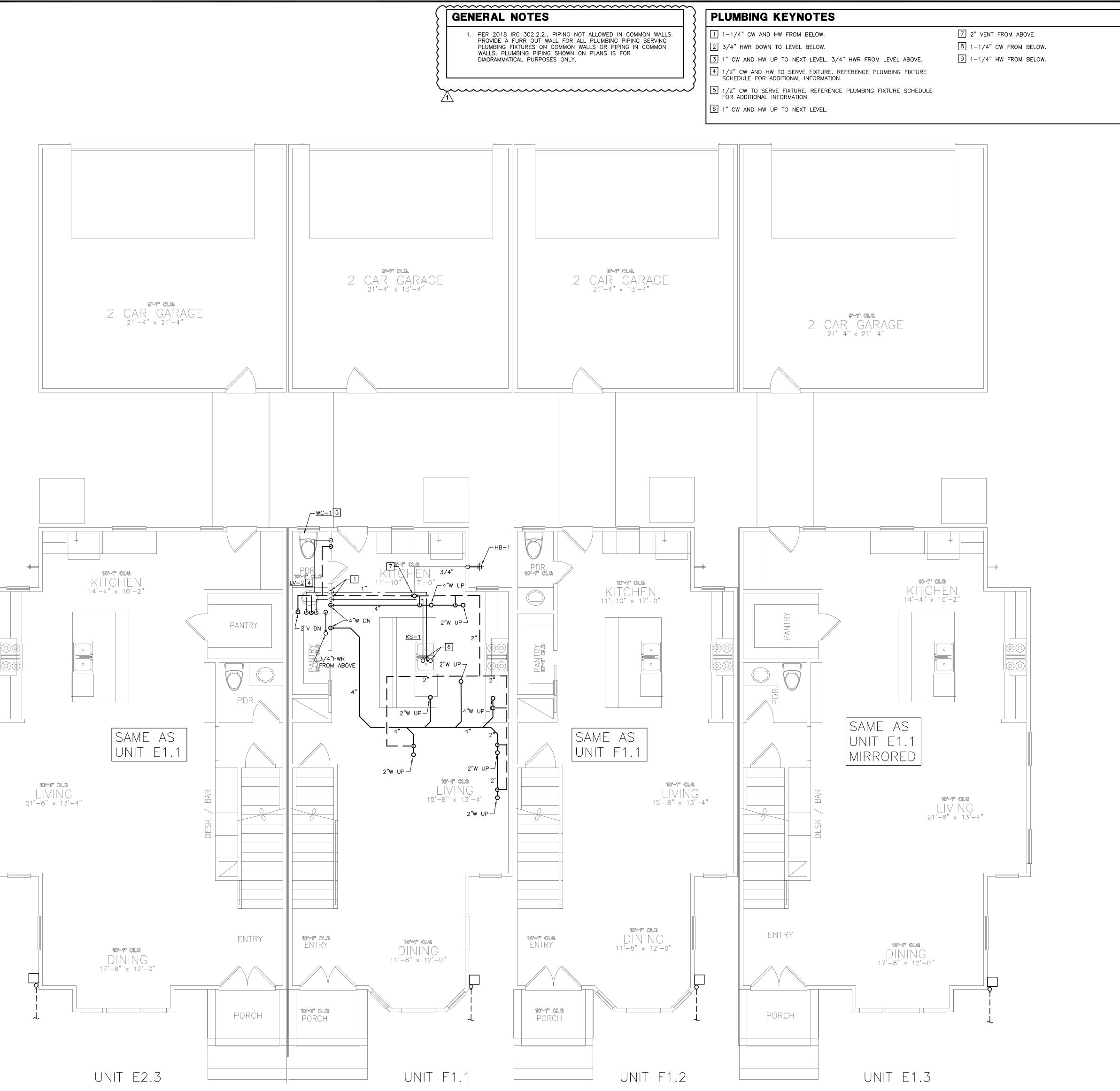
UNIT F1.1

UNIT F1.2

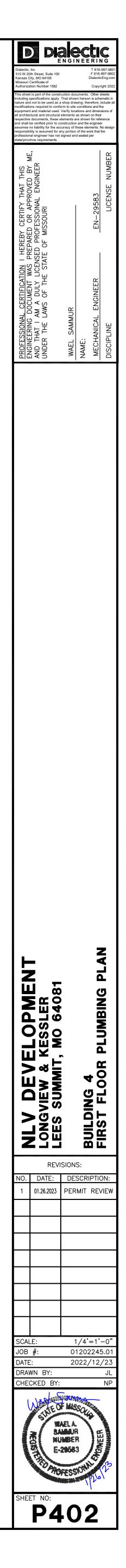
UNIT E1.3

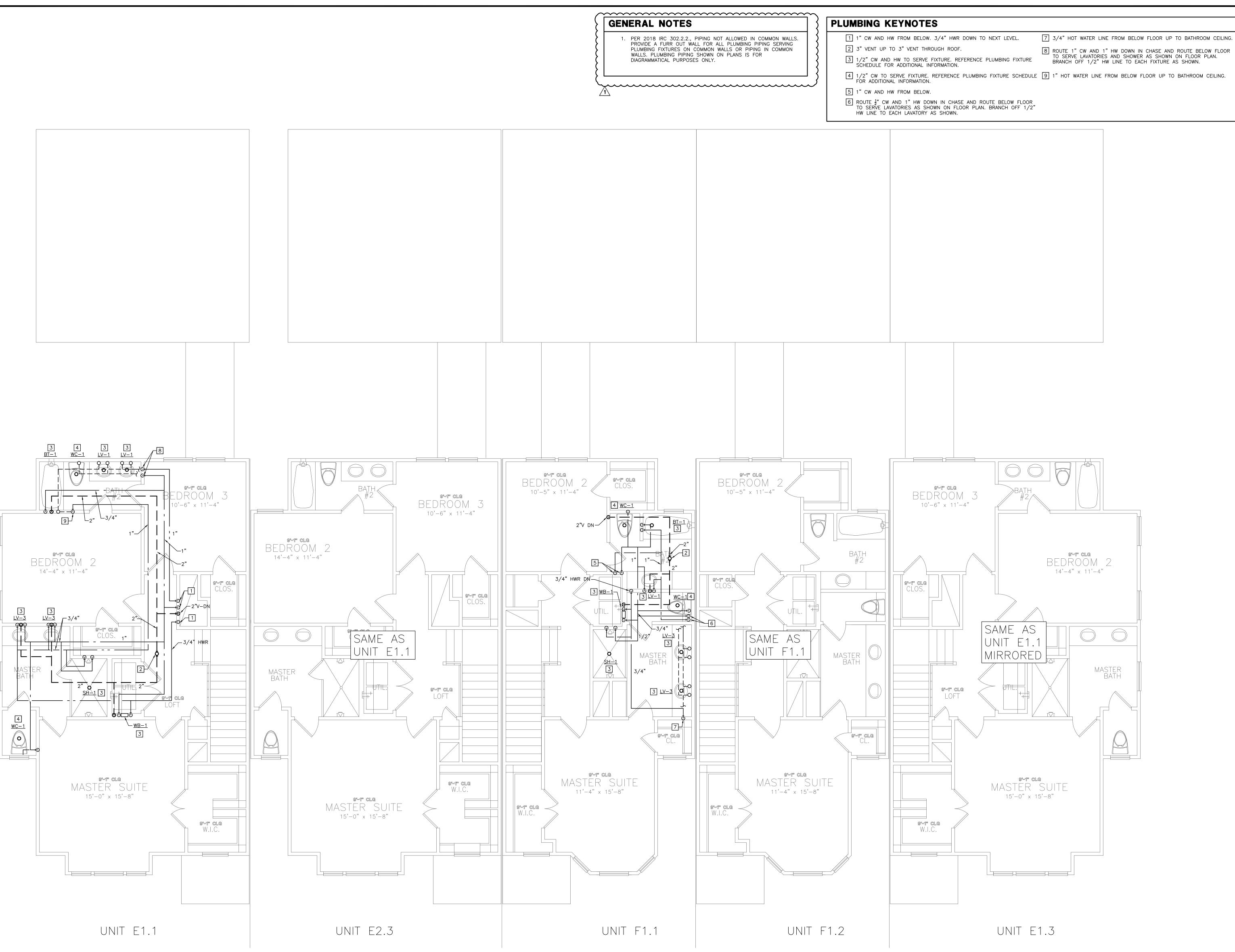




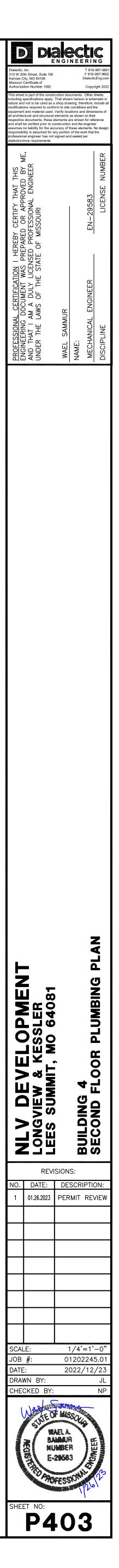


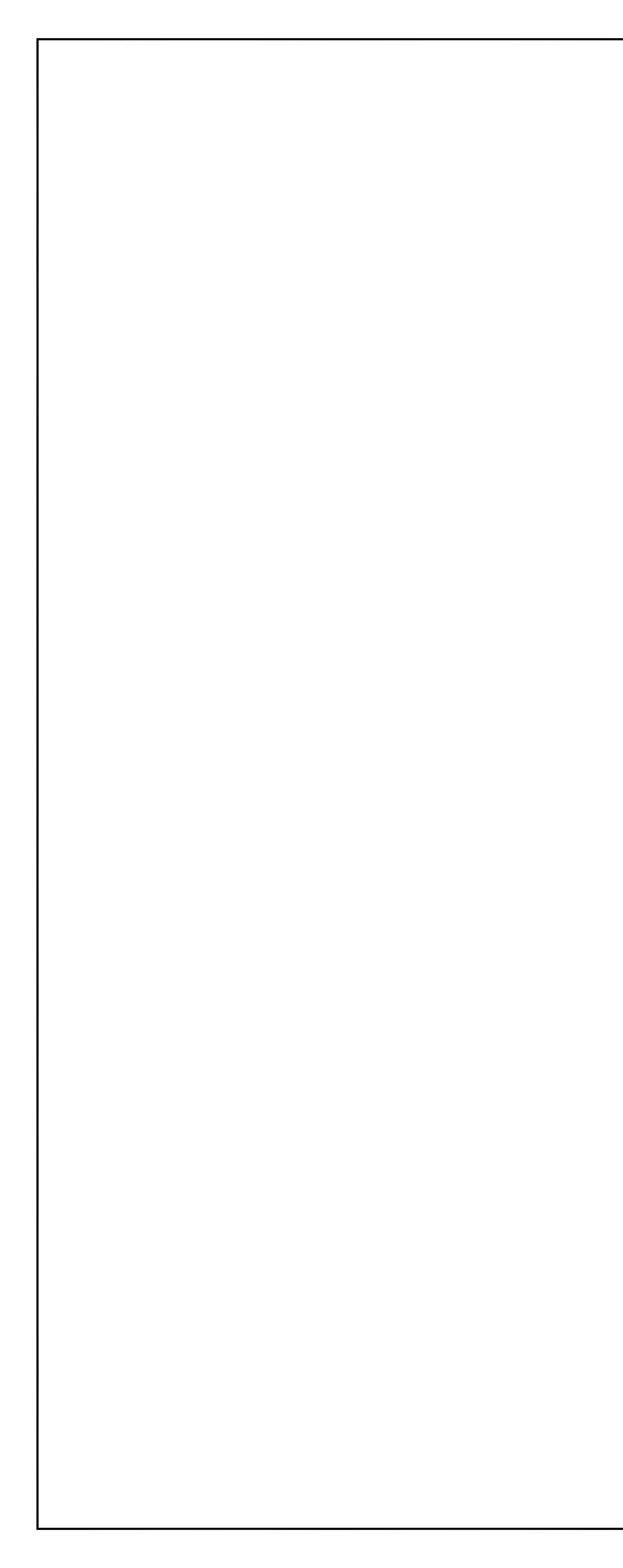
**O1** FIRST FLOOR PLUMBING PLAN

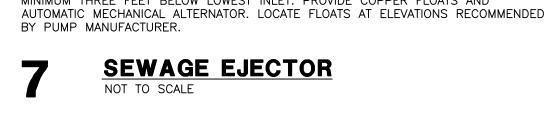




**O1** SECOND FLOOR PLUMBING PLAN  $\frac{1}{4''=1'-0''}$ 





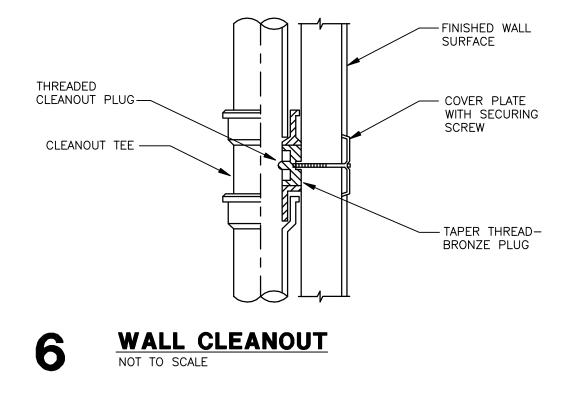


EARTH OR COMPACTED BACKFILL LOCATE AND ARRANGE SO THAT PUMP AND COVER CAN BE REMOVED. ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. PIT EXCAVATION IS BY PLUMBING CONTRACTOR, WITH GRAVEL BACKFILL. PROVIDE SUMP WITH BOTTOM MINIMUM THREE FEET BELOW LOWEST INLET. PROVIDE COPPER FLOATS AND

48" DIAMETER BY DEPTH REQUIRED FIBERGLASS BASIN 🥕 WITH OPENINGS FOR VARIOUS PIPES BUILDING DRAIN FROM PLUMBING FIXTURES TWO VERTICAL, SHAFT-TYPE SEWAGE EJECTORS -SET SUMP ON UNDISTURBED

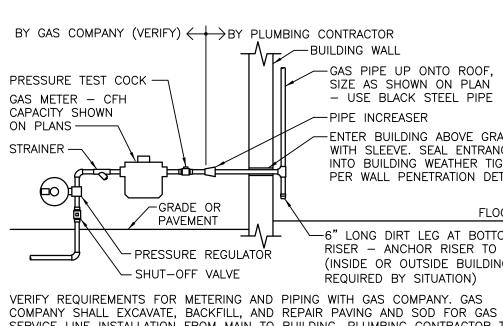
PROTECTION, DISCONNECT SWITCHES, RESETS, PILOT LIGHTS, AND ALARM ----53" DIAMETER STEEL PLATE COVER BOLTED DOWN WITH GAS-TIGHT GASKET. SEAL OPENINGS AND CRACKS WITH SILICONE ------

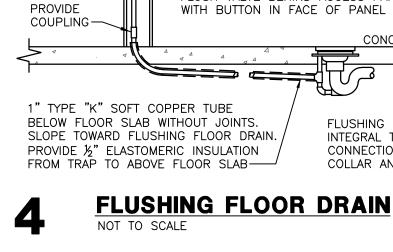
NEMA 1 CONTROL PANEL MOUNTED ON LEGS ON SUMP COVER, WITH LOCKABLE DOOR, MAGNETIC MOTOR STARTERS WITH OVERLOAD

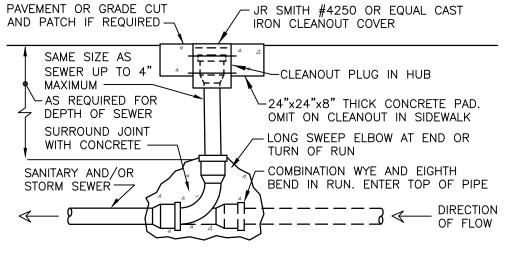


GAS SERVICE 5 NOT TO SCALE

SERVICE LINE INSTALLATION FROM MAIN TO BUILDING. PLUMBING CONTRACTOR TO PAY ALL GAS COMPANY FEES FOR THIS INSTALLATION. USE WELDED OR SCREWED PIPE AND FITTINGS PER SPECIFICATIONS. PAINT EXPOSED METAL GAS PIPE, FITTINGS AND ITEMS LIGHT GREEN.







PIPE AND FITTINGS WITH SOLVENT WELD JOINTS. BACKFILL WITH CRUSHED RÓCK

ARCHITECTURAL SPECS. REPAIR ANY SOD AND/OR PAVEMENT TO MATCH EXISTING.

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS.

FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED.

PREVENTION DEVICE INSTALLED WITHIN THE TENANT SPACE WATER SYSTEM OR

**SMALL EXPANSION TANK** 

MAKE PIPE MINIMUM ONE SIZE LARGER / VERIFY WITH LOCAL CODES THAN EQUIPMENT CONNECTION, MINIMUM / IF/WHEN TRAP AND/OR VENT 34". USE TYPE "M" HARD COPPER UP / ARE REQUIRED FOR THE LENGTH

FACILITY. REFER TO LOCAL CODES FOR FURTHER INFORMATION.

10 INDIRECT DRAIN NOT TO SCALE

ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY. HANG PIPE AS REQUIRED. DO

NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED EXPOSED IN FOOD SERVICE

MAKE PIPE SAME SIZE AS TANK FITTING. FOLLOW MANUFACTURER'S INSTRUCTIONS

EXPANSION TANK INSTALLATION SHALL OCCUR ONLY WHEN THERE IS A BACKFLOW

-PIPE HANGER NEXT

-PIPE UNION: DIELECTRIC

IF DISSIMILAR METALS

- DISCHARGE INTO CENTER HOLE OF

GAP SUFFICIENT TO REMOVE GRATE

AND STRAINER. MINIMUM GAP = TWO

PIPE DIAMETERS

GRATE OF WASTE RECEPTACLE WITH AIR

TANK WITH POLYPROPYLENE

TO PIPE TEE

**EXTERIOR CLEANOUT** 

NOT TO SCALE

0

COLD WATER SUPPLY

TO WATER HEATER-

BUTYL DIAPHRAGM------

AIR CHARGING VALVE FILL

TANK WITH AIR PRESSURE

BUILDING WATER SYSTEM.

NOT TO SCALE

PROVIDE CLEANOUTS IN TURNS/ENDS

OF PIPE. USE DWV FITTINGS IF SIZE

IS LARGER THAN 1" ———

SLOPE PIPE AS

DISCHARGE ------

POSSIBLE TOWARD

MAKE CONNECTION TO

EQUIPMENT AS REQUIRED -

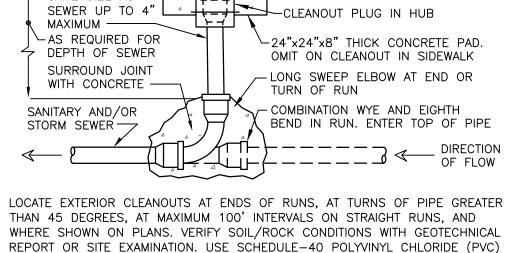
MUCH AS

9

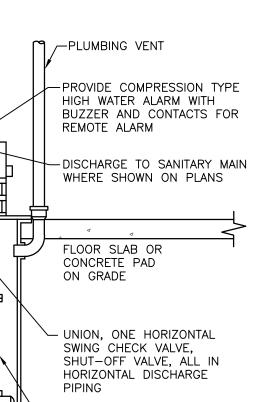
THEN OPEN VALVE-----

TO MATCH WATER PRESSURE,

TO COVER PIPE MINIMUM 6". PROVIDE EARTH BACKFILL AND COMPACTION PER



- ENCLOSED SHAFT, LENGTH AS REQUIRED



# └──6" LONG DIRT LEG AT BOTTOM OF RISER - ANCHOR RISER TO WALL (INSIDE OR OUTSIDE BUILDING AS REQUIRED BY SITUATION)

- GAS PIPE UP ONTO ROOF, SIZE AS SHOWN ON PLAN – USE BLACK STEEL PIPE - PIPE INCREASER WITH SLEEVE. SEAL ENTRANCE INTO BUILDING WEATHER TIGHT PER WALL PENETRATION DETAIL FLOOR

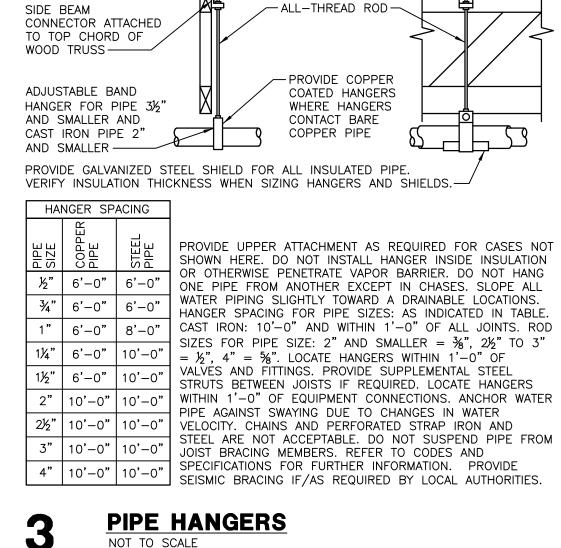
TVF-BUILDING WALL

FLUSHING FLOOR DRAIN WITH INTEGRAL TRAP, WITH PIPE CONNECTIONS, CLAMPING COLLAR AND SECURED GRATE.

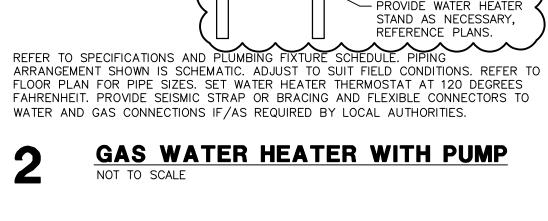
- PROVIDE A STAINLESS STEEL 12"x12" ACCESS PANEL AND FRAME WITH VANDAL-PROOF SCREWS. MOUNT IN WALL FIVE FEET ABOVE THE FLOOR - PROVIDE A PUSHBUTTON OPERATED FLUSH VALVE BEHIND ACCESS PANEL

VALVE. USE HARD COPPER TUBE ABOVE FLOOR

PROVIDE 1¼" COLD WATER PIPE TO FLUSH



NOT TO SCALE

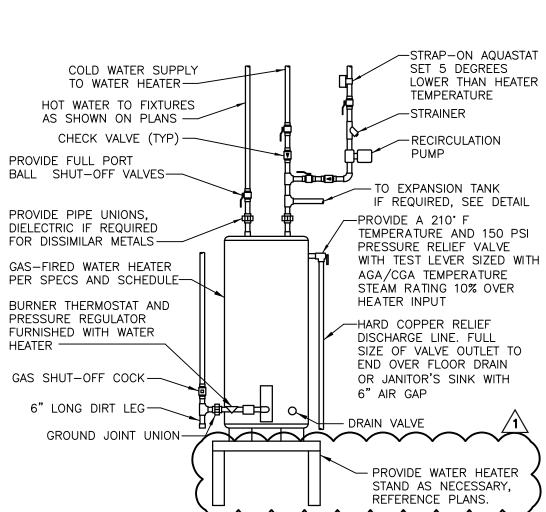


WOOD STRUCTURE

HANG PIPE LARGER

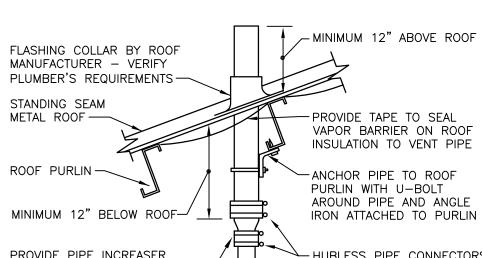
PANEL POINT -

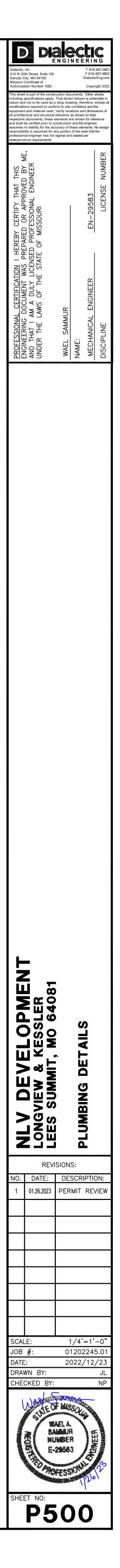
THAN 4" FROM TOP OF JOISTS ONLY AT

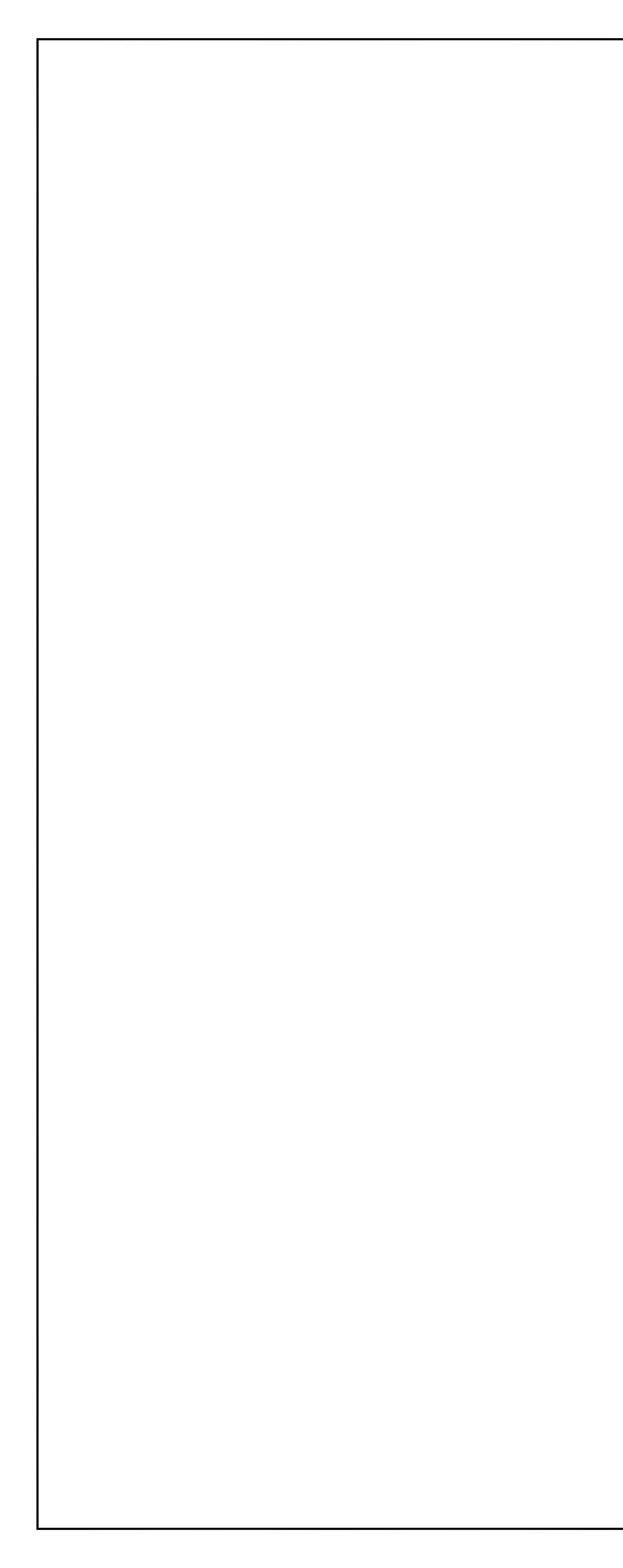


#### VENT THRU ROOF (VTR) NOT TO SCALE

PROVIDE PIPE INCREASER - HUBLESS PIPE CONNECTORS WHERE REQUIRED TO MAKE MINIMUM 3" VENT THRU ROOF -REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. VTR SHALL BE LOCATED A MINIMUM OF 20 FEET HORIZONTAL (UNLESS APPROVED BY ENGINEER PRIOR TO INSTALLATION) OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE. LOCATE VTR A MINIMUM OF ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF.





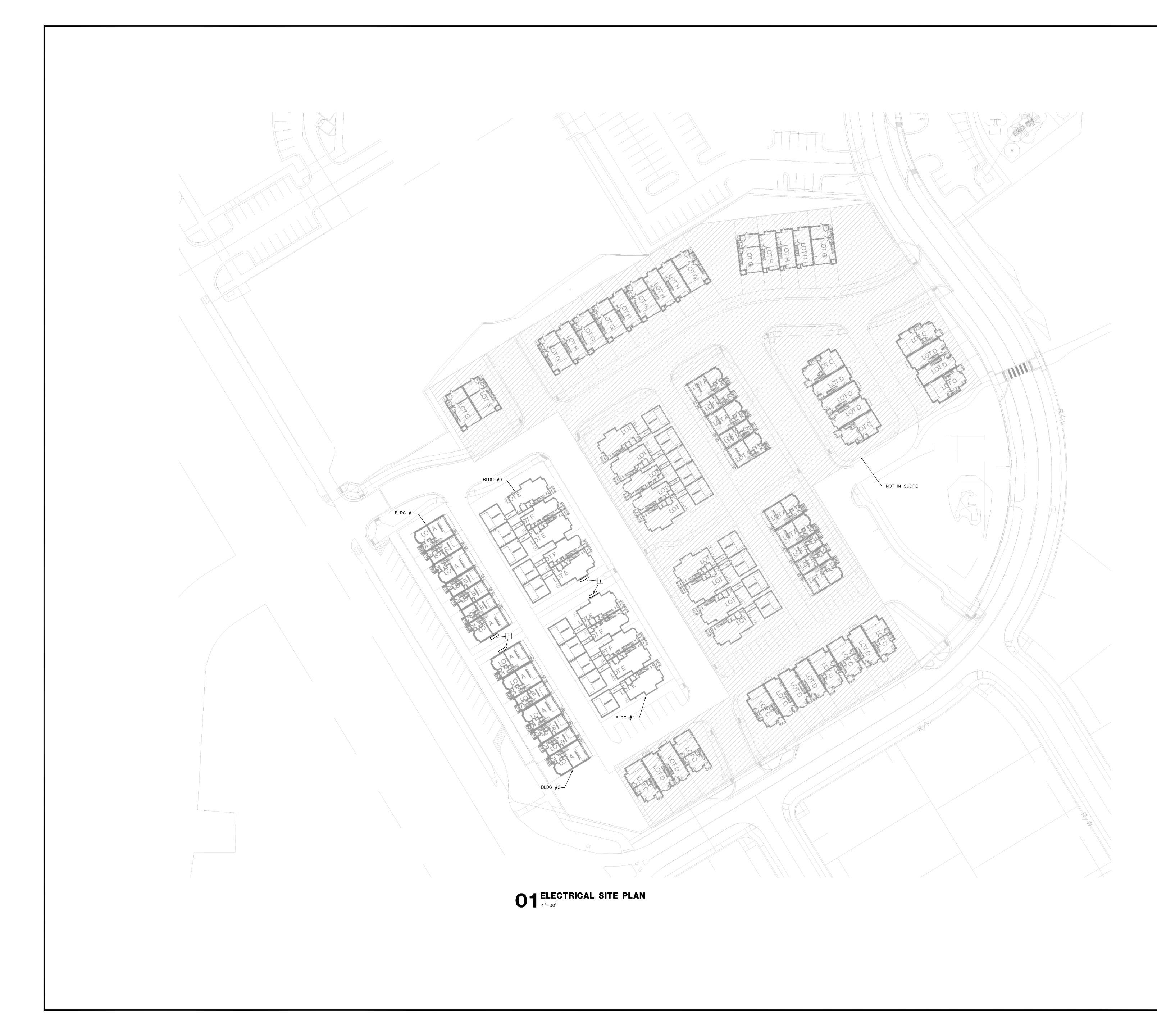


G	ENERAL ELECTRICAL NOTES	ELECT
A.	INCLUDE ALLOWANCE FOR UNFORESEEN CONDITIONS THAT MAY AFFECT THE SCOPE OF WORK. MINOR DEVIATIONS REQUIRED FOR ACCOMPLISHING	RACEWAYS
3.	THE INTENT OF THIS DESIGN SHALL BE INCLUDED IN THE ALLOWANCE. PANELBOARDS AND DISCONNECT SWITCHES SHALL BE "LISTED" AND	331115
	"IDENTIFIED" AS RATED FOR MINIMUM OF 75°C CONDUCTOR TERMINATION. ELECTRICAL DESIGN IS BASED ON INSTALLATION OF 75°C CONDUCTORS	
	CONNECTED TO TERMINAL LUGS AND EQUIPMENT U.L. LISTED FOR MINIMUM 75°C. CONDUCTORS TERMINATED ON EQUIPMENT WITH LOWER RATING (60°C) OR NO RATING SHOWN SHALL HAVE CONDUCTOR SIZE	
	INCREASED TO CONFORM TO ADOPTED ELECTRICAL CODE AND UL/CUL NO. 489 REQUIREMENTS.	
•	CONDUIT INSTALLED BELOW SLAB SHALL BE RIGID STEEL, IMC, PVC OR HDPE, MINIMUM 3/4". IF PVC OR HDPE IS USED, TRANSITION TO RIGID STEEL BEFORE TURNING UP AND PENETRATING FLOOR SLAB.	
•	CONDUCTORS SHALL BE MINIMUM #14 THHN/THWN COPPER UNLESS NOTED OTHERWISE ON PLANS OR IN SPECIFICATIONS. BRANCH CIRCUITS SHALL BE PROVIDED WITH (2) #14 CONDUCTORS AND (1) #14 EQUIPMENT GROUND CONDUCTOR UNLESS NOTED OTHERWISE.	چ آ
•	CONTROL VOLTAGE WIRING SHALL BE PLENUM RATED OR INSTALLED IN CONDUIT.	。 。
•	THERMOSTATS, TEMPERATURE SENSORS, CARBON DIOXIDE SENSORS AND HUMIDISTATS: UNLESS NOTED OTHERWISE, PROVIDE WALL BOX AT +3'-10" AFF WITH 3/4" CONDUIT STUBBED OUT TO ABOVE ACCESSIBLE CEILING WITH NYLON BUSHINGS AND PULLSTRING.	× ×
	PROVIDE FLEXIBLE CONNECTIONS ONLY FOR FINAL CONNECTION TO EQUIPMENT, 6'-0" MAXIMUM LENGTH. PROVIDE LIQUID TIGHT FLEXIBLE CONNECTION AT EXTERIOR LOCATIONS AND WHERE EXPOSURE TO	SWITCHES \$ \$
	MOISTURE IS POSSIBLE. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A PULL WIRE.	\$ ⁴
	ALL RACEWAYS SHALL CONTAIN A GROUNDING ELECTRODE SIZED PER THE ADOPTED ELECTRICAL CODE.	\$ ^w
•	COORDINATE WORK ABOVE THE CEILING WITH OTHER TRADES TO PROVIDE THE GREATEST POSSIBLE CLEARANCE. CONDUIT RUNS SHALL BE RUN THROUGH TRUSSES WHERE POSSIBLE.	
	VERIFY EXACT PLACEMENT OF ALL DEVICES SHOWN ON CONSTRUCTION DOCUMENTS PRIOR TO FINAL PLACEMENT.	↔ ⊕
	ALL RECESSED PANELBOARDS SHALL BE INSTALLED WITH MINIMUM OF (3) 3/4" CONDUITS STUBBED UP TO ACCESSIBLE CEILING SPACE FOR FUTURE USE.	
•	ALL PANELBOARDS AND LINE VOLTAGE CONTROL EQUIPMENT SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTING, SERVICING OR MAINTENANCE OF EQUIPMENT. MARKING SHALL BE SELF ADHESIVE LABEL CONFORMING TO ADOPTED CODES.	
•	LIGHT SWITCHES, ELECTRICAL OUTLETS, THERMOSTATS AND OTHER ENVIRONMENTAL CONTROLS SHALL HAVE OPERABLE PARTS OF THE CONTROLS LOCATED NO HIGHER THAN 48" AND NO LOWER THAN 15" ABOVE THE FLOOR. IF THE REACH IS OVER AN OBSTRUCTION BETWEEN 20" AND 25" IN DEPTH, THE MAXIMUM HEIGHT IS REDUCED TO 44" FOR FORWARD APPROACH OR 46" FOR SIDE APPROACH, PROVIDED THE OBSTRUCTION IS NO MORE THAN 24" IN DEPTH. OBSTRUCTIONS SHALL NOT EXTEND MORE THAN 25" FROM THE WALL BENEATH A CONTROL	
<b>`</b> .	TERMS:	
	SHALL – ACTION THAT IS REQUIRED WITHOUT OPTION OR QUALIFICATION. FURNISH – CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING.	
	INSTALL – CONTRACTOR SHALL BE RESPONSIBLE FOR LABOR AND CONSTRUCTION EQUIPMENT NECESSARY TO SET IN PLACE, CONNECT, CALIBRATE AND/OR TEST EQUIPMENT FURNISHED BY HIM OR OTHERS.	
	PROVIDE – CONTRACTOR SHALL FURNISH AND INSTALL.	
	GHTING GENERAL NOTES	
٩.	REFER TO "RECESSED LIGHTING FIXTURE SUPPORT DETAIL" FOR	VFD
3.	INFORMATION ON SUPPORT OF ALL RECESSED LIGHT FIXTURES. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR	
	LOCATION OF ALL LIGHTING FIXTURES AND ALL OTHER EQUIPMENT INSTALLED IN THE CEILING SYSTEM. VERIFY MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ROUGH-IN.	
Э.	REFER TO POWER PLANS FOR LOCATIONS OF ELECTRICAL EQUIPMENT.	R
P	OWER GENERAL NOTES	
٩.	VERIFY EXACT LOCATIONS OF HVAC AND PLUMBING EQUIPMENT, CONDUIT STUB-UPS AND POWER CONNECTIONS PRIOR TO ROUGH-IN.	
3.	VERIFY EXACT LOCATION, MOUNTING HEIGHTS AND CONDUIT ROUTING FOR ALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS AND CO₂ SENSORS PRIOR TO ROUGH-IN.	T T 500
` '·	REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. COORDINATE PROVISIONS FOR CONTROL CONDUIT AND WIRING AS REQUIRED FOR INTERLOCKING OF FANS,	() SERVICE
	MOTORS, ETC. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. MOUNT DEVICES INSTALLED ON EQUIPMENT ON NON-REMOVABLE PANEL.	

	AL SYMBOLS LEGEND		
EWAYS AND	WIRING:	ONE-LINE DIA	GRAM:
Att 5 3 1	HOME RUN TO PANEL. CIRCUIT NUMBERS, PHASE, NEUTRAL AND GROUND CONDUCTORS INDICATED ALONG WITH ISOLATED GROUND CONDUCTOR IF APPLICABLE.	<u>+</u>	GROUNDING ELECTRODE
	PARTIAL CIRCUIT		TRANSFORMER
1	CONDUIT INSTALLED CONCEALED ABOVE CEILING OR IN WALL	-3	CT: CURRENT TRANSFORMER
			CIRCUIT BREAKER
	CONDUIT INSTALLED CONCEALED BELOW FLOOR SLAB OR UNDERGROUND	COMMUNICATIO	DNS:
	CONDUIT INSTALLED FOR CONTROL OF FIXTURES	T	TELEPHONE OUTLET, +18" WITH 3/4" CONDUIT TO ABOVE CEILING
÷	GROUND CONNECTION	¥	TELEPHONE OUTLET, +6" ABOVE COUNTER WITH 3/4" CONDUIT TO
/INAIRES:		$\nabla$	DATA OUTLET, +18" WITH 3/4" CONDUIT TO ABOVE CEILING
A	CEILING MOUNTED LUMINAIRE, LETTER INDICATES TYPE	$\overline{\Delta}$	DATA OUTLET, +6" ABOVE COUNTER WITH 3/4" CONDUIT TO ABOVE
HÀ	WALL MOUNTED LUMINAIRE, LETTER INDICATES TYPE	_ ▼	TELEPHONE/DATA OUTLET, +18" WITH 1" CONDUIT TO ABOVE CEILI
0	LINEAR FLUORESCENT LUMINAIRE	 ₩	TELEPHONE/DATA OUTLET, +6" ABOVE COUNTER WITH 1" CONDUIT
	FLUORESCENT EMERGENCY OR NIGHT LIGHT	⊢ F⊗	CATV OUTLET, +18" WITH 3/4" CONDUIT TO ABOVE CEILING
	LINEAR FLUORESCENT STRIP LUMINAIRE		
$\bigotimes$ A	PENDANT FIXTURE, LETTER INDICATES TYPE	Since ALARM:	
TCHES:			AREA TYPE SMOKE DETECTOR WITH SOUNDER BASE
\$	SINGLE POLE SWITCH, +3'-10" OR AS NOTED	L ©	AREA TYPE CARBON MONOXIDE DETECTOR
\$ ³	THREE-WAY SWITCH, +3'-10" OR AS NOTED	GENERAL REF	ERENCES/NOTATIONS:
\$ ⁴	FOUR-WAY SWITCH, +3'-10" OR AS NOTED	AC	MOUNT DEVICE +6" ABOVE TOP OF COUNTER TO BOTTOM OF DEVIC
\$ ^{wp}	WEATHERPROOF TOGGLE SWITCH, +3'-10" OR AS NOTED	+48"	MOUNTING HEIGHT ABOVE FINISHED FLOOR TO CENTERLINE OF DEV
\$ ^P	SINGLE POLE SWITCH WITH PILOT LIGHT, +3'-10" OR AS NOTED	03/E5	DETAIL OR SECTION REFERENCE
		#	SQUARE NOTE DESIGNATION
CEPTACLES:		(#)	CIRCLE NOTE DESIGNATION
Ð	SIMPLEX RECEPTACLE, +18" OR AS NOTED	$\langle \# \rangle$	HEXAGON NOTE DESIGNATION
<b>+</b>	DUPLEX RECEPTACLE, +18" OR AS NOTED	$\langle \hat{\#} \rangle$	DIAMOND NOTE DESIGNATION
-	CONTROLLED DUPLEX RECEPTACLE, +18" OR AS NOTED	#	REVISION DESIGNATION
目	QUADRUPLEX RECEPTACLE, +18" OR AS NOTED	??	DETAIL NUMBER
= <b>1</b> 6 _ 6 _ 6	QUADRUPLEX RECEPTACLE WITH ONE OUTLET CONTROLLED, +18" OR AS NOTED	(??-)	DETAIL DESIGNATION ————————————————————————————————————
⊖ = = = P. WP. WP	GROUND FAULT INTERRUPTING RECEPTACLE, +18" OR AS NOTED	??	SECTION NUMBER
Р WP WP	WEATHERPROOF GROUND FAULT INTERRUPTING RECEPTACLE, +18" OR AS NOTED	??	SECTION DESIGNATION
	RECEPTACLE INSTALLED HORIZONTALLY AT +18" OR AS NOTED		
	RECEPTACLE INSTALLED HORIZONTALLY, BOTTOM AT +6" ABOVE COUNTER TOP		EQUIPMENT DESIGNATION
$\Theta$	RECEPTACLE INSTALLED FLUSH IN CEILING		AVAILABLE FAULT CURRENT SYSTEM POINT IDENTIFIER
€	SPECIAL RECEPTACLE, NEMA STYLE AS NOTED, +18" OR AS NOTED	•	<b>~</b> .
NCTION BOXE	ES, DISCONNECTS, STARTERS AND MOTORS:	ABBREVIATIONS	<b>)</b> ;
J	JUNCTION BOX	AFF/AFG	ABOVE FINISHED FLOOR/GRADE
J	JUNCTION BOX PROVIDED WITH EQUIPMENT	AHJ	AUTHORITY HAVING JURISDICTION
	DISCONNECT SWITCH, TOP AT +6'-0" OR AS NOTED	EC	ELECTRICAL CONTRACTOR
	DISCONNECT SWITCH PROVIDED WITH EQUIPMENT.	EM	EMERGENCY
$\boxtimes$	COMBINATION MOTOR STARTER/DISCONNECT SWITCH FURNISHED BY MECHANICAL	ETR	EXISTING TO REMAIN
	CONTRACTOR, INSTALLED BY ÉLECTRICAL CONTRACTOR	FA	FIRE ALARM
$\boxtimes$	MAGNETIC MOTOR STARTER FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR	FPC	FIRE PROTECTION CONTRACTOR
VFD	VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT SWITCH FURNISHED BY MECHANICAL	GC	GENERAL CONTRACTOR
	CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR	MC	MECHANICAL CONTRACTOR
$\sim$	MOTOR CONNECTION	NEC	NATIONAL ELECTRICAL CODE
ECB	ENCLOSED CIRCUIT BREAKER, TOP OF HANDLE +6'-0" MAXIMUM	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NTROL AND	MISCELLANEOUS:	NL	NIGHT LIGHT
R	CONTROL OR POWER RELAY, INSTALLED AS NOTED	NF	NON-FUSED
(H)	DOOR BELL CHIME, +8'-0" OR AS NOTED	PC	PLUMBING CONTRACTOR
_	DOOR BELL PUSH BUTTON, +3'-10" OR AS NOTED	SPD	SURGE PROTECTION DEVICE
		TYP	TYPICAL
©	GARAGE DOOR PUSH BUTTON, +3'-10" OR AS NOTED	UL	UNDERWRITERS LABORATORIES
TR	CONTROL TRANSFORMER, INSTALLED AS NOTED	UNO	UNLESS NOTED OTHERWISE
TTS®H	THERMOSTAT, TEMPERATURE SENSOR, CARBON DIOXIDE SENSOR AND HUMIDISTAT PROVIDED BY MECHANICAL CONTRACTOR, +3'-10" OR AS NOTED	WP	WEATHERPROOF
$\mathbf{\tilde{c}}$	120 VOLT DUCT TYPE SMOKE DETECTOR, PROVIDED BY MECHANICAL CONTRACTOR		
RVICE EQUIP	MENT:		
	TERMINAL CABINET, TOP AT +6'-0" OR AS NOTED		
<u> </u>	CT CABINET AND METER, TOP AT +6'-0" AFG OR AS NOTED		
Μ	POWER COMPANY METER, TOP AT $+6'-0$ " AFG OR AS NOTED		
	TRANSFORMER, FLOOR MOUNTED OR SUSPENDED FROM STRUCTURE AS NOTED		
	BRANCH CIRCUIT PANELBOARD, TOP AT +6'-0" OR AS NOTED		

<u>SYMBOLS LEGEND NOTES:</u> 1. REFER TO LIGHT FIXTURE SCHEDULE FOR SPECIFICATION AND INFORMATION ON ALL LUMINAIRES. 2. REFER TO SPECIFICATIONS AND PLAN NOTES FOR DETAILED DESCRIPTION OF ALL DEVICES SHOWN IN THIS SCHEDULE, PROVIDED BY THIS CONTRACTOR. 3. MOUNTING HEIGHTS INDICATED ARE MEASURED FROM FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE UNLESS NOTED OTHERWISE.

MENT Reference to the State of



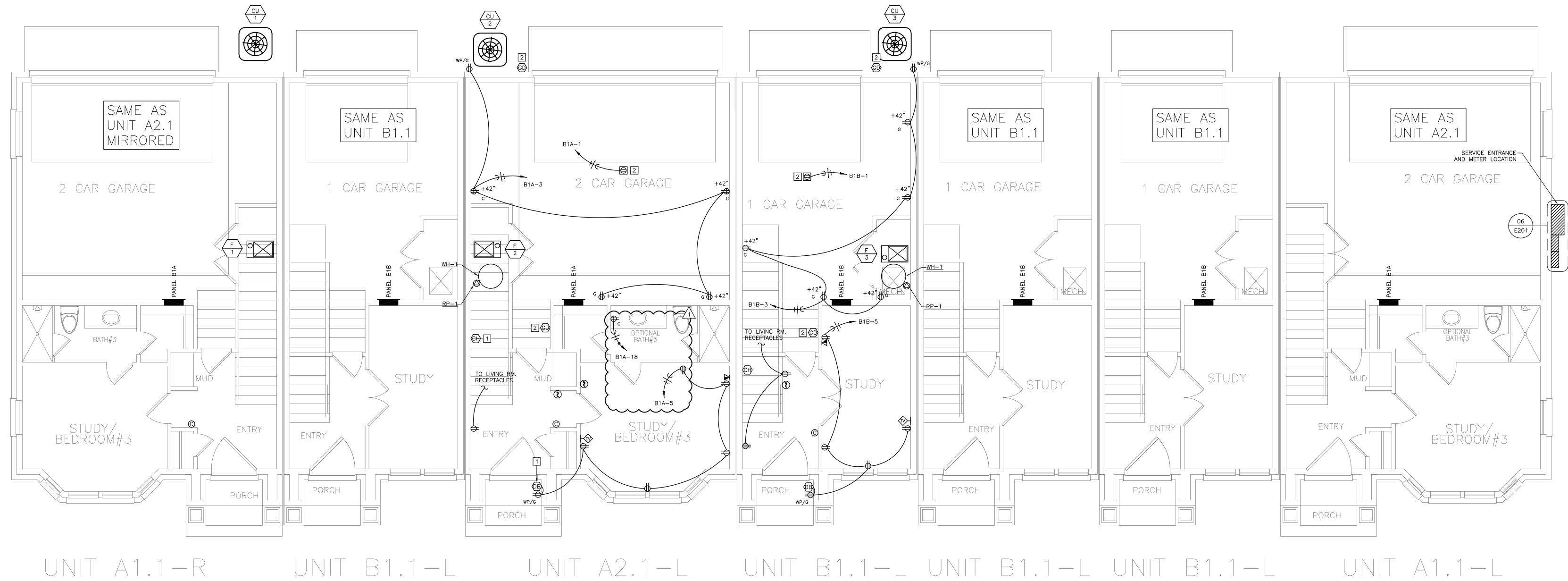
# ELECTRICAL KEY NOTES

1 LOCATION OF BUILDING SERVICE, METERS AND DISCONN COORDINATE UTILITY SERVICE WITH EVERGY: EVERGY PROJECT ENGINEER: RON DEJARNETTE RON.DEJARNETTE@EVERGY.COM

NNECTS.		

	)	Dia	ae	<b>}C</b>		C
Kansas C Missouri Authoriza	oth Stree City, MO Certifica Ition Nur	et, Suite 100 64108 te of mber 1582	NGI		T 816-9 F 816-9 Dialectic Copyri	997-9601 997-9602 Eng.com ght 2022
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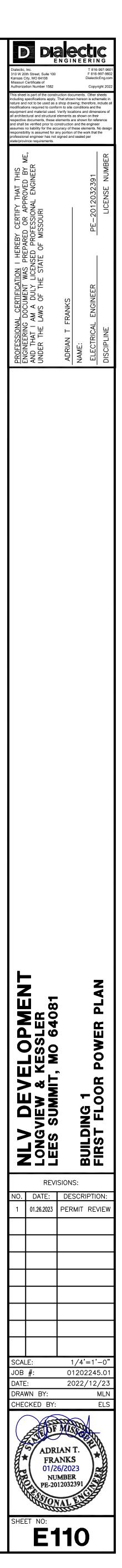


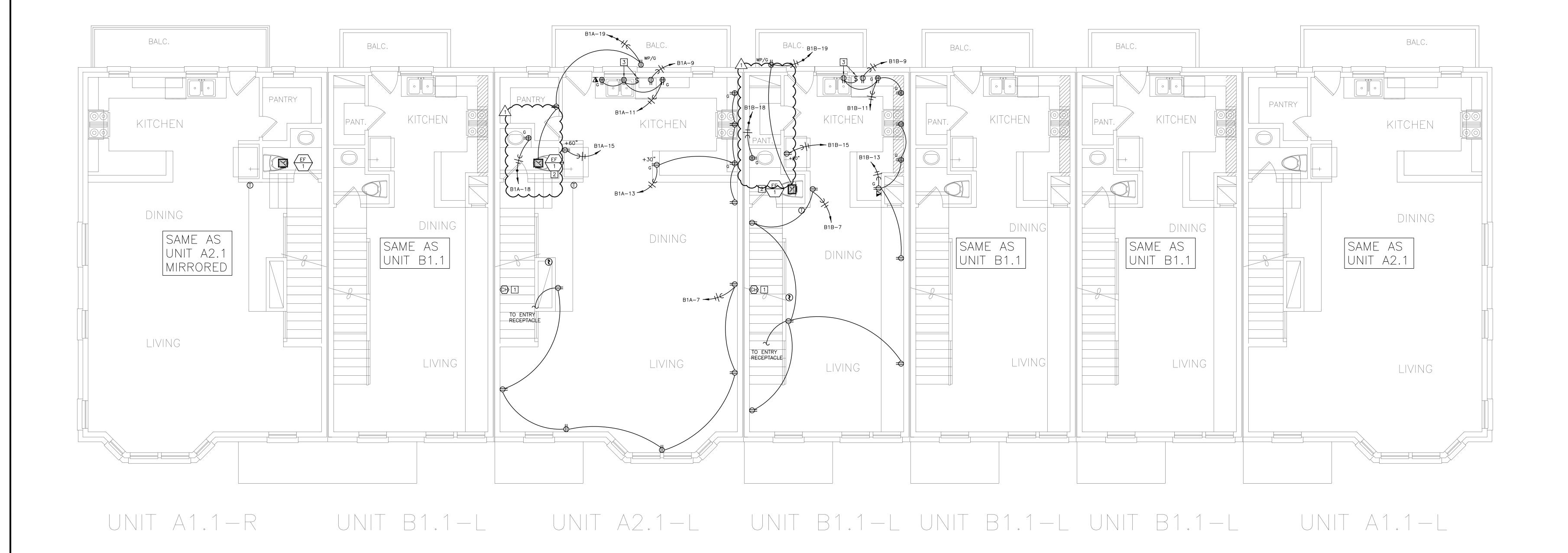


#### **POWER PLAN NOTE BOX**

1 DOOR CHIME AND DOORBELL. CONFIRM EXACT REQUIRI MANUFACTURER PRIOR TO ROUGH-IN. CONFIRM FINAL OWNER PRIOR TO ROUGH-IN. PROVIDE ALL LOW VOLT REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTE GARAGE DOOR OPENER. CONFIRM EXACT REQUIREMEN MANUFACTURER PRIOR TO ROUGH-IN. CONFIRM FINAL OWNER PRIOR TO ROUGH-IN. PROVIDE ALL LOW VOLT

DOOR CHIME AND DOORBELL. CONFIRM EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE ALL LOW VOLTAGE WIRING AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
GARAGE DOOR OPENER. CONFIRM EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE ALL LOW VOLTAGE WIRING AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

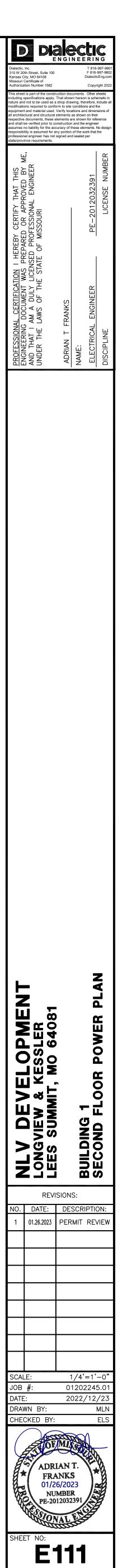


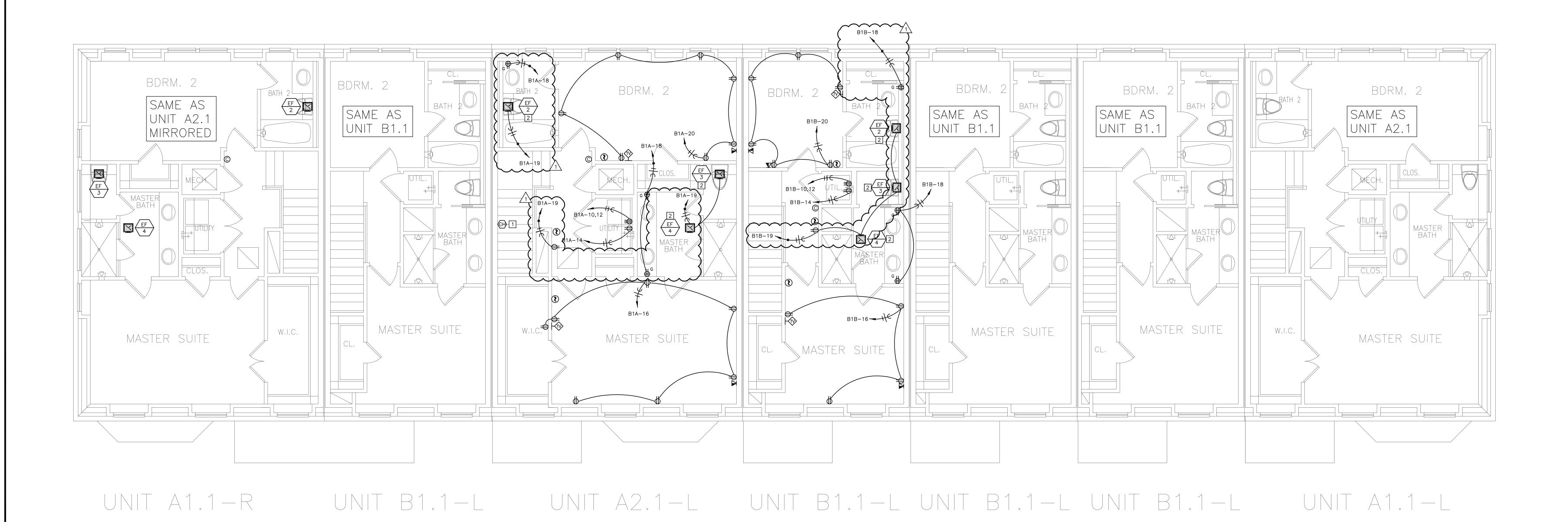


# **O1** SECOND FLOOR POWER PLAN $\frac{1}{4''=1'-0''}$

### **POWER PLAN NOTE BOX**

- 1 DOOR CHIME. CONFIRM EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE ALL LOW VOLTAGE WIRING AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. 2 BATHROOM EXHAUST FAN. FAN IS CONTROLLED BY LIGHT SWITCH IN SAME ROOM. REFER TO LIGHTING PLAN FOR LOCATION OF SWITCH.
- 3 UNDER SINK DISPOSAL. CONFIRM EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. ROUTE POWER THROUGH LIGHT SWITCH ABOVE COUNTER FOR CONTROL. CONFIRM EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

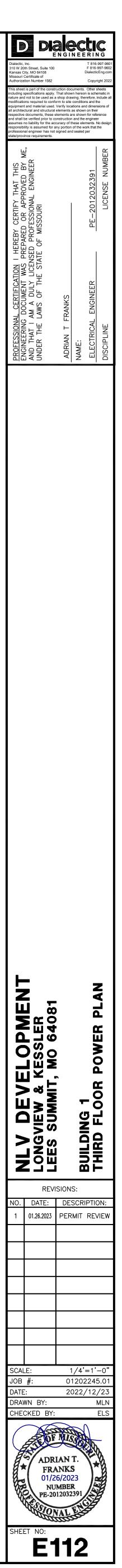


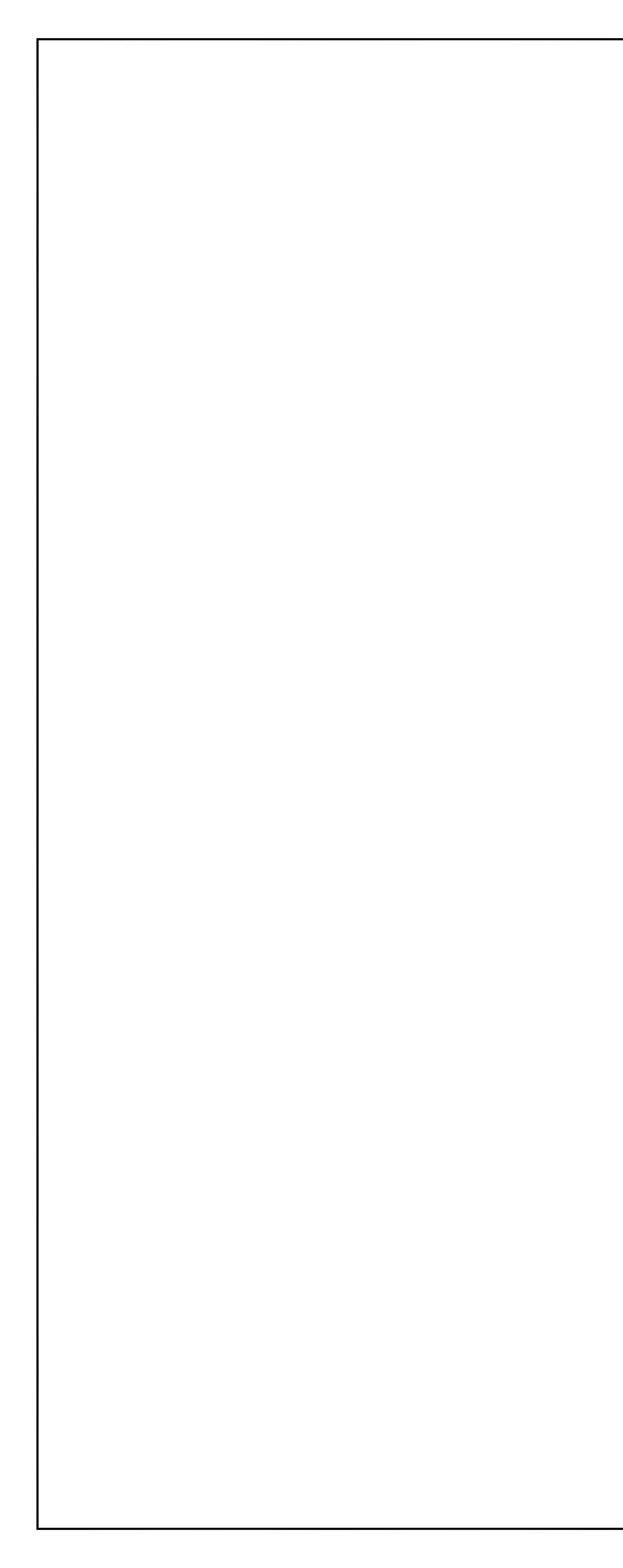


# **O1** THIRD FLOOR POWER PLAN $\frac{1}{4''=1'-0''}$

#### **POWER PLAN NOTE BOX**

DOOR CHIME. CONFIRM EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE ALL LOW VOLTAGE WIRING AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
BATHROOM EXHAUST FAN. FAN IS CONTROLLED BY LIGHT SWITCH IN SAME ROOM. REFER TO LIGHTING PLAN FOR LOCATION OF SWITCH.





_IG	HTING FIXTURE SO	CHEDULE						EQUIPMENT FEEDER SCHEDULE										
TYPE	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	LAMPS & BALLAST	MOUNTING	VOLTS	WATTS	REMARKS	EQUIPMENT	VOLTAGE-	PANEL -	моср	FEEDER		DISCONNE				
A	RECESSED DOWNLIGHT	TBD	(1) 10W LED MEDIUM BASE	CEILING	120	10		MARK CU-1	PHASE 240V-1P	CIRCUIT(S) B1A-4,6	35A	CONDUCTOR & GROUND (2)#8 & (1)#10G	PIPE 3/4"	PROVIDER CONTRACTOR	AMPERAGE 60A	POLES 2	FUSES NF	NEM 3R
AW	RECESSED DOWNLIGHT – WET LOCATION RATED	TBD	(1) 10W LED MEDIUM BASE	CEILING	120	10		CU-2	240V-1P	B1A-4,6	30A	(2)#10 & (1)#10G	3/4"	CONTRACTOR	30A	2	NF	3F
			(3) 10W LED MEDIUM		100	70		CU-3	240V-1P	B1B-4,6	20A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	3F
В	VANITY LIGHT FIXTURE	TBD	BASE	WALL	120	30		EF-1	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	_	NF	-
С	4' STRIP FIXTURE	TBD	(2) 15W LED BI-PIN	CEILING	120	30		EF-2	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	_	-	NF	
	WALL SCONCE	ТВD	(1) 10W LED MEDIUM	WALL	120	10		EF-3	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	_	NF	-
D	WALL SCONCE		BASE	WALL	120			EF-4	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	_	_	NF	_
F	CEILING FAN	TBD	NONE	CEILING	120	50		F-1	120V-1P	B1A-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
P1	CUSTOM CHANDELIER	твр	(5) 3W LED MEDIUM BASE	PENDANT	120	15		F-2	120V-1P	B1A-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
								— F-3	120V-1P	B1B-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
P2	CUSTOM PENDANT	TBD	(2) 7W LED MEDIUM BASE	PENDANT	120	14		RP-1	120V-1P	B1A-8/B1B-8	3 15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
Р3	CUSTOM PENDANT	твр	(1) 5W LED MEDIUM BASE	PENDANT	120	5		WH-1	120V-1P	B1A-8/B1B-8	3 15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
									MENT F	EEDER (	GENE	RAL NOTES						
								A. DISCONN	ECT SWITCHES	FOR 120V OR	277V EQ	UIPMENT UNDER 30 AMPS SH	ALL BE MO	DTOR RATED TOGGI	LE SWITCHES	•		

B. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.

C. COORDINATE EXACT ROUGH-IN LOCATIONS PRIOR TO START OF CONSTRUCTION.

D. ALL MULTI-VOLT DISCONNECT SWITCHES PROVIDED BY THIS CONTRACTOR SHALL COME WITH A NEUTRAL AND GROUND LUG KIT.

#### EQUIPMENT FEEDER REMARKS

1. EXHAUST FAN TO BE CONTROLLED BY A DEDICATED SWITCH. RE: PLANS FOR LOCATION OF SWITCH. 2. EQUIPMENT IS LOCATED IN THE END UNITS ONLY. REFER TO MECHANICAL PLAN FOR MORE INFORMATION.

PANEL:	B1A			LC	DCATION:	GARA	GE						N	EMA ENCLOS
SYSTEM:	240/120V., 1P,3W				MAINS:	200A	мсв						CA	<b>ABINET MOUN</b>
FEEDER:	SEE RISER DIAGR	AM												L
OPTIONS:														AIC RA
LOAD	DESCRIPTION		BKR POLE	NOTE	WATTS	CCT NO.	PH/	ASE	CCT NO.	WATTS	NOTE	BKR POLE	BKR SIZE	LOA
GAF	RAGE DOOR	20	1	AF/G	500	1	А		2	1,999	AF	1	15	
GAI	RAGE RCPT	20	1	AF	900	3		С	4	2,124		2	30/	CU-1 (3
STUDY/BE	DRM RCPT/CHIME	20	1	AF	1,080	5	A		6	2,124			35	
LIVING	J/ENTRY RCPT	20	1	AF	1,260	7		С	8	200	AF	1	15	
DIS	HWASHER	20	1	AF	500	9	А		10	2,000		2	30	
KITCHEN	/DISPOSAL RCPT	20	1	AF	1,500	11		С	12	2,000				
KITCHEN/R	ANGE/DINING RCPT	20	1	AF	1,500	13	А		14	1,000	AF/G	1	20	
FR	IDGE RCPT	20	1	AF	900	15		С	16	1260			20	
FIRST/SECON	ID/THIRD FL./EXT. LTG	20	1	AF	944	17	A		18 (	900	AF	1	20	BA
BALC/PAN	T./HALL RCPT/EF'S	20	1	AF	712	19		С	20	1,260		$\frown$	<u>~20</u> ~	
	SPARE	20	1	AF		21	A		22		AF	1	20	
	SPARE	20	1	AF		23		С	24		AF	1	20	
		1		J		25	A		26				, <b></b> _	
						27		С	28					
						29	A		30					
						31		С	32					
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FULLY E	BUSSED SPACE					43		С	44					FULLY
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PANEL:	B1B			10	DCATION:	GARA	GE						N	EMA ENCLOS
SYSTEM:	240/120V., 1P,3W				MAINS:									
FEEDER:	SEE RISER DIAGR	^ \ \			MAINO.	2007							C,	
OPTIONS:	SEE NISEN DIAGN													
OF HOINS.		DVD	BKR	1		ССТ			ССТ			DVD	BKR	
	DESCRIPTION	SIZE	POLE			NO.		ASE	NO.	WATTS	NOTE		SIZE	LOAI
	RAGE DOOR	20	1	AF/G	500	1	А		2	1,433	AF	1	15	
	RAGE RCPT	20	1	AF	1,080	3		С	4	1,320		2	20	
	/ RCPT/CHIME	20	1	AF	900	5	A		6	1,320				
	ENTRY RCPT	20	1	AF	1,260	7		С	8	200	AF	1	15	
	HWASHER	20	1	AF	500	9	А		10	2,000		2	30	
	/DISPOSAL RCPT	20	1	AF	1,500	11		С	12	2,000				
	ANGE/DINING ROPT	20	1		1 500	13	Δ		14	1 000	AE/G	1	20	

STUDY RCPT/CHIME	20	1		900	5	I A		6	[ 1,320					
LIVING/ENTRY RCPT	20	1	AF	1,260	7		С	8	200	AF	1	15		
DISHWASHER	20	1	AF	500	9	A		10	2,000		2	30		
KITCHEN/DISPOSAL RCPT	20	1	AF	1,500	11		С	12	2,000					
KITCHEN/RANGE/DINING RCPT	20	1	AF	1,500	13	А		14	1,000	AF/G	1	20		
FRIDGE RCPT	20	1	AF	900	15		С	16	728~			20		MASTE
FIRST/SECOND/THIRD FL./EXT. LTG	20	1	AF	784	17	А		18 🕻	720	AF	1	20		BA
BALC/HALL RCPT/EF'S	20	1	AF	403	19		С	20	1,080		$\frown$	<u>^28</u> ^	$\sim$	~BED
SPARE	20	1	AF		21	А		22		AF	1	20		
SPARE	20	1	AF		23		С	24		AF	1	20		
					25	А		26						
					27		С	28		1				
					29	A		30		1				
					31		С	32		1				
					33	A		34		1				
					35		С	36						
					37	A		38						
					39		С	40		1				
					41	A		42						
FULLY BUSSED SPACE		43		С	44		1				FULLY			
					~ ~ .	F 10.0								

PHASE A : ^{III} 10,657 W PHASE C : ^{III} 10,463 W

# ELECTRICAL SERVICE LOAD SUMMARY

CONNECTED WATTAGE	DEMAND FACTOR
5,968	125%
81,068	1ST 10KW @ 100%
	REMAINING @ 50%
11,729	125%
23,304	100% FULL A/C LOAD
0	0% FULL HEATING LOAD
1,400	125%
35,000	100%
	TOTAL WATTS
	TOTAL AMPERAGE
	WATTAGE 5,968 81,068 11,729 23,304 0 1,400

NOTES: * USE GREATER LOAD OF THE TWO CATEGORIES

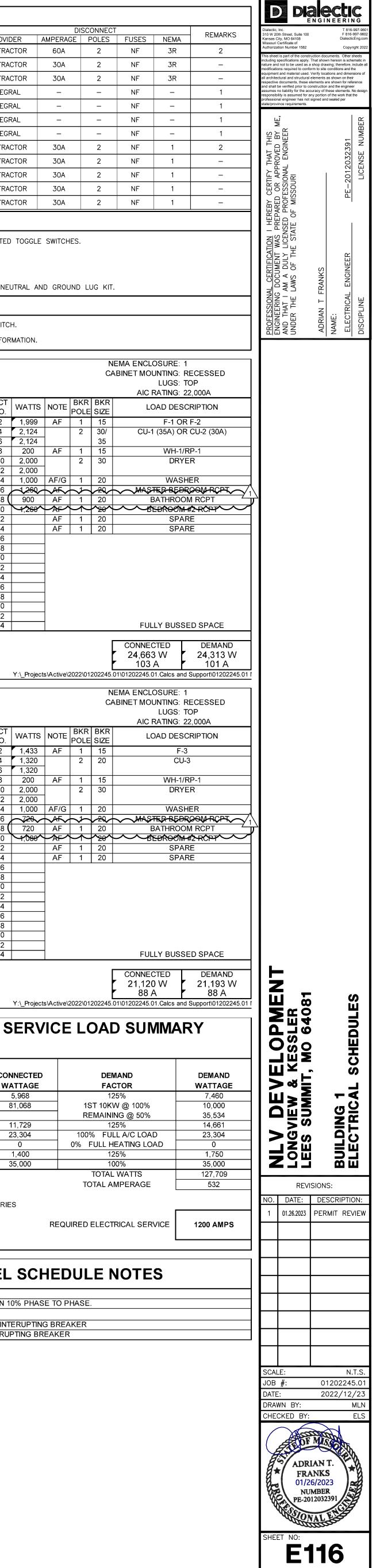
REQUIRED ELECTRICAL SERVICE

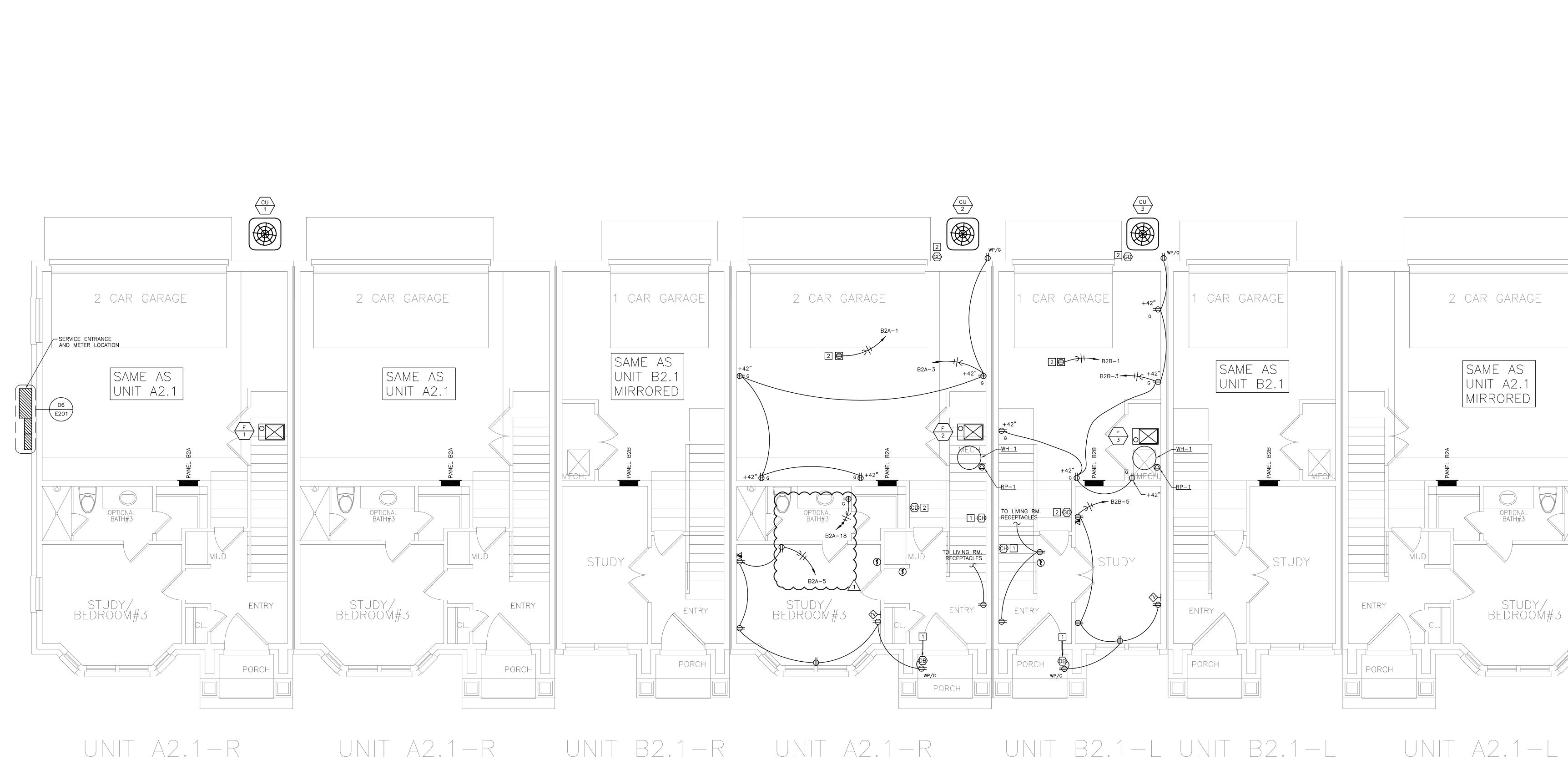
# PANEL SCHEDULE NOTES

General Notes: BALANCE PANELS WITHIN 10% PHASE TO PHASE. Circuit Key Notes:

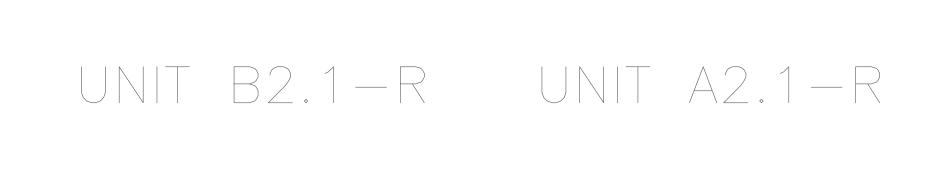
 G
 GROUND FAULT CIRCUIT INTERUPTING BREAKER

 AF
 ARC FAULT CIRCUIT INTERUPTING BREAKER



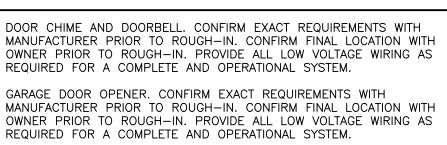


**O1** FIRST FLOOR POWER PLAN  $\frac{1}{4''=1'-0''}$ 

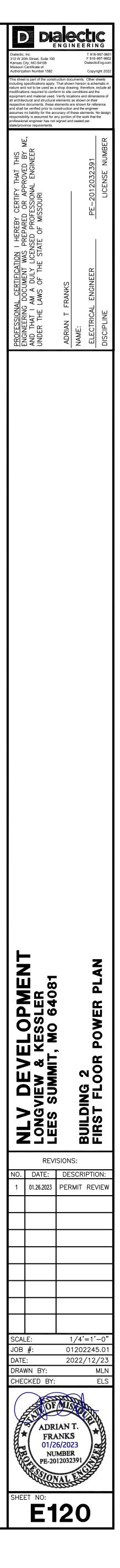


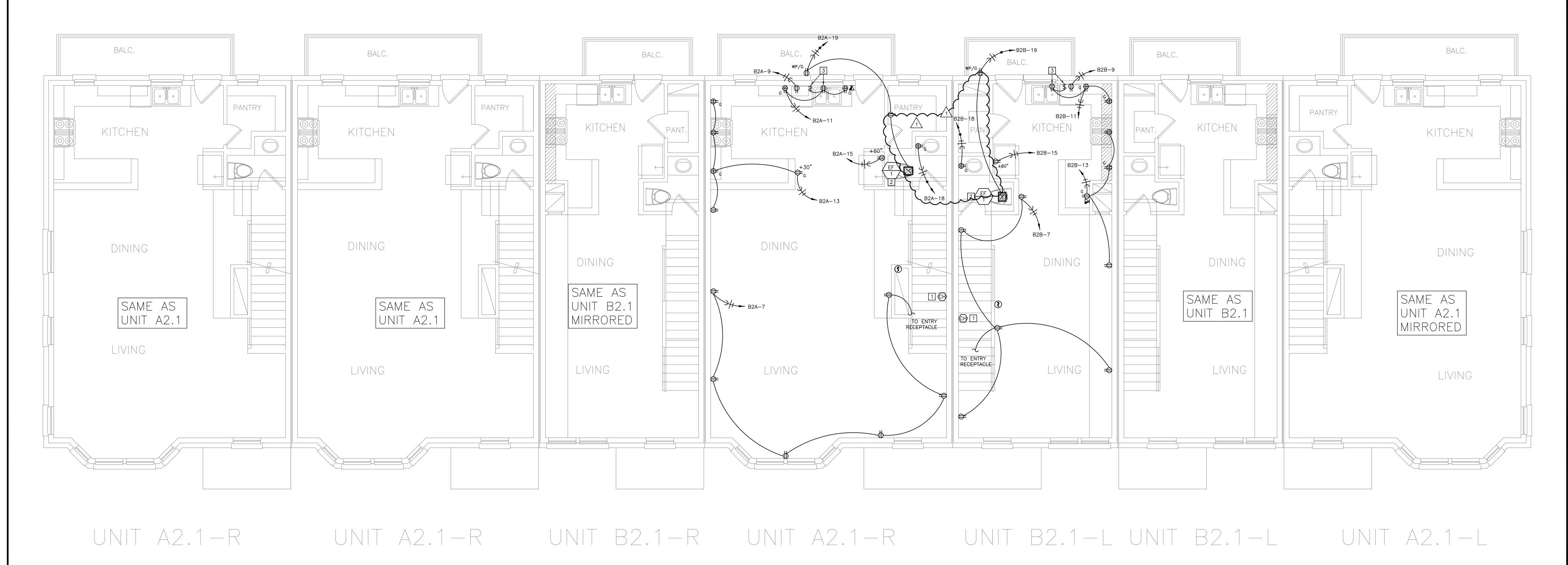
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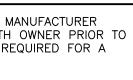


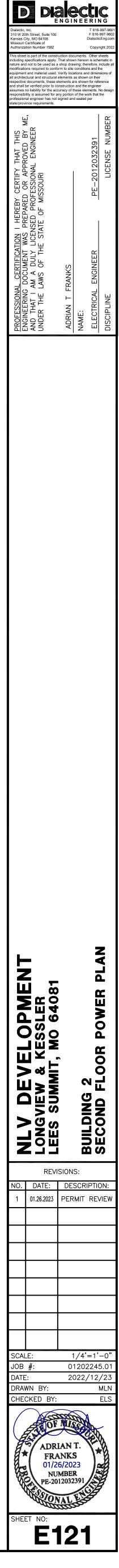


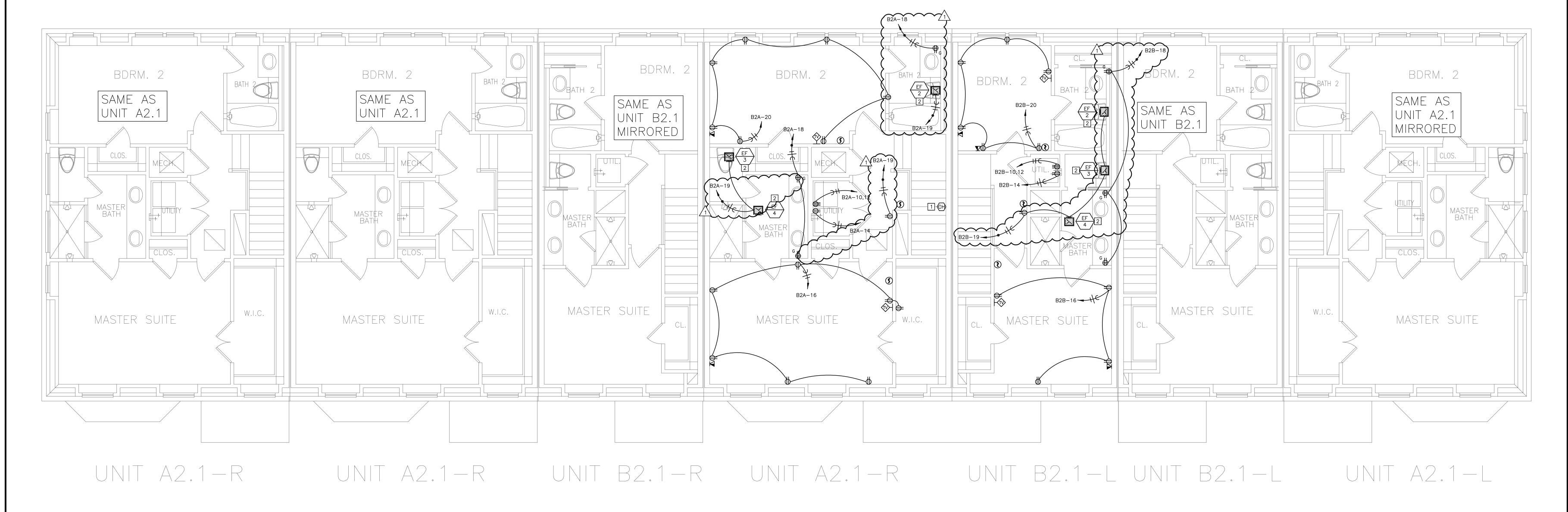
# **O1** SECOND FLOOR POWER PLAN $\frac{1}{4''=1'-0''}$

### POWER PLAN NOTE BOX

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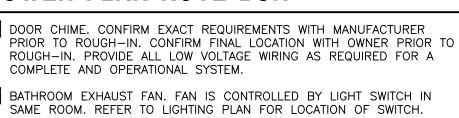


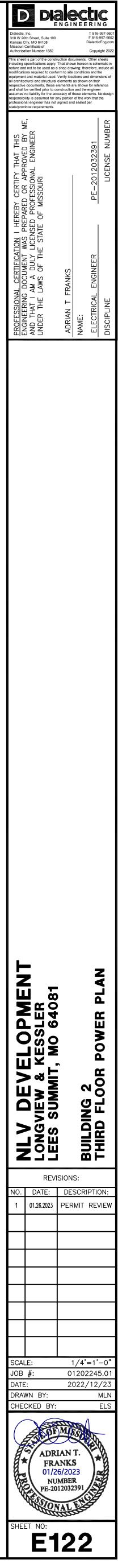


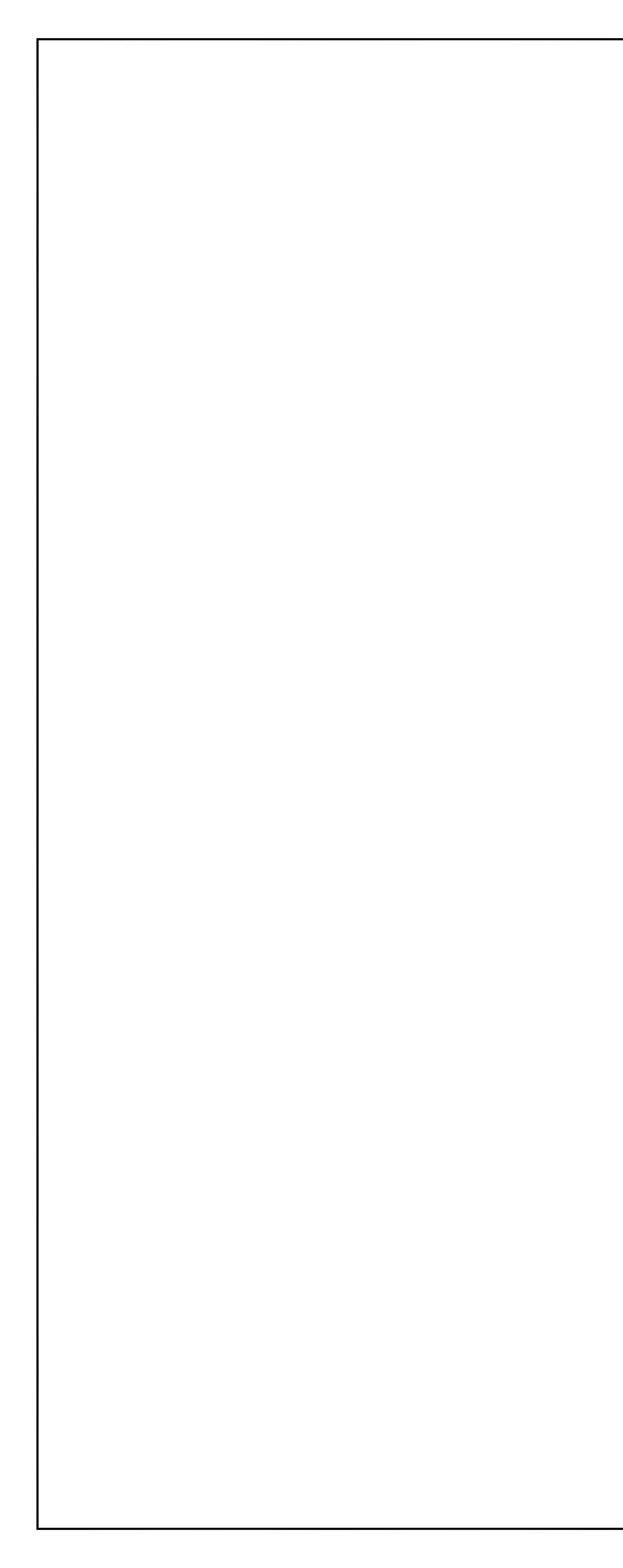


#### POWER PLAN NOTE BOX

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.IG	HTING FIXTURE SC	CHEDULE						EQUIPMENT FEEDER SCHEDULE											
TYPE	PE DESCRIPTION MANUFACTURER & CATALOG NUMBER LAMPS & BALLAST		LAMPS & BALLAST	MOUNTING VOLTS WATTS RE			REMARKS	EQUIPMENT	ENT VOLTAGE PANEL -		моср	FEEDER	DISCONNECT						
A	RECESSED DOWNLIGHT	TBD	(1) 10W LED MEDIUM BASE	CEILING	120	10		CU-1	PHASE 240V-1P	CIRCUIT(S) B2A-4,6	35A	CONDUCTOR & GROUND (2)#8 & (1)#10G	PIPE 3/4"	PROVIDER CONTRACTOR	AMPERAGE 60A	POLES 2	FUSES NF	NEN 3F	
AW	RECESSED DOWNLIGHT – WET LOCATION RATED	TBD	(1) 10W LED MEDIUM BASE	CEILING	120	10		CU-2	240V-1P	B2A-4,6	30A	(2)#10 & (1)#10G	3/4"	CONTRACTOR	30A	2	NF	31	
В	VANITY LIGHT FIXTURE	TBD	(3) 10W LED MEDIUM BASE	WALL	120	30		CU-3 EF-1	240V-1P 120V-1P	B2B-4,6 RE: PLAN	20A 15A	(2)#12 & (1)#12G (2)#12 & (1)#12G	3/4" 3/4"	CONTRACTOR INTEGRAL	30A	2	NF NF	3	
С	4' STRIP FIXTURE	TBD	(2) 15W LED BI-PIN	CEILING	120	30		EF-2	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	_	NF	_	
D	WALL SCONCE	TBD	(1) 10W LED MEDIUM	WALL	120	10		EF-3	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	-	NF	-	
D	WALL SCONCE		BASE	WALL	120	10		EF-4	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	_	-	NF	-	
F	CEILING FAN	ТВD	NONE	CEILING	120	50		F-1	120V-1P	B2A-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1	
P1	CUSTOM CHANDELIER	TBD	(5) 3W LED MEDIUM BASE	PENDANT	120	15		F-2	120V-1P	B2A-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1	
								— F-3	120V-1P	B2B-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1	
P2	CUSTOM PENDANT	TBD	(2) 7W LED MEDIUM BASE	PENDANT	120	14		RP-1	120V-1P	B2A-8/B2B-8	B 15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1	
Р3	CUSTOM PENDANT	TBD	(1) 5W LED MEDIUM BASE	PENDANT	120	5		WH-1	120V-1P	B2A-8/B2B-8	8 15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1	
			0,02						MENT F	EEDER	GENE	RAL NOTES							
								A. DISCONNECT SWITCHES FOR 120V OR 277V EQUIPMENT UNDER 30 AMPS SHALL BE MOTOR RATED TOGGLE SWITCHES.											

B. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.

C. COORDINATE EXACT ROUGH-IN LOCATIONS PRIOR TO START OF CONSTRUCTION.

D. ALL MULTI-VOLT DISCONNECT SWITCHES PROVIDED BY THIS CONTRACTOR SHALL COME WITH A NEUTRAL AND GROUND LUG KIT.

### EQUIPMENT FEEDER REMARKS

1. EXHAUST FAN TO BE CONTROLLED BY A DEDICATED SWITCH. RE: PLANS FOR LOCATION OF SWITCH. 2. EQUIPMENT IS LOCATED IN THE END UNITS ONLY. REFER TO MECHANICAL PLAN FOR MORE INFORMATION.

PANEL:	B2A			LC	DCATION:	GARA	GE						N	IEMA ENCLOS
SYSTEM:	240/120V., 1P,3W				MAINS:	200A	мсв						CA	ABINET MOUN
FEEDER:	SEE RISER DIAGR	٩M												l
OPTIONS:														AIC RA
LOAD	DESCRIPTION		BKR POLE		WATTS	CCT NO.	РН	ASE	CCT NO.	WATTS	NOTE	BKR POLE	BKR SIZE	LOA
GAF	RAGE DOOR	20	1	AF/G	500	1	А		2	1,999	AF	1	15	
GAI	RAGE RCPT	20	1	AF	900	3		С	4	2,124		2	30/	CU-1 (3
STUDY/BE	DRM RCPT/CHIME	20	1	AF	1,080	5	А		6	2,124	1		35	
LIVING	ENTRY RCPT	20	1	AF	1,260	7		С	8	200	AF	1	15	
DIS	HWASHER	20	1	AF	500	9	Α		10	2,000		2	30	
KITCHEN	/DISPOSAL RCPT	20	1	AF	1,500	11		С	12	2,000	1			
KITCHEN/R/	ANGE/DINING RCPT	20	1	AF	1,500	13	Α		14	1,000	AF/G	1	20	
FR	IDGE RCPT	20	1	AF	900	15		С	16	1260			20	
FIRST/SECON	ID/THIRD FL./EXT. LTG	20	1	AF	944	17	А		18 🤇	900	AF	1	20	BA
BALC/PAN	T./HALL RCPT/EF'S	20	1	AF	712	19		С	20	4,260		$\overline{)}$	20	
	SPARE	20	1	AF		21	Α		22		AF	1	20	
	SPARE	20	1	AF		23		С	24		AF	1	20	
						25	A		26				•	
						27		С	28		1			
						29	Α		30		1			
						31		С	32		]			
						33	Α		34		1			
						35		С	36		1			
						37	А		38		1			
						39		С	40		1			
						41	Α		42		1			
FULLY E	BUSSED SPACE					43		С	44		1			FULLY
						SE A : SE C :			W W	Y:\ Project	s\A ctive\	2022\01	202245	CONNECT 24,663 103 A 01\01202245.01.

SYSTEM:       240/120V, 1P,3W       MAINS: 200A MCB       CABINET MOUNTING: RECESSED         PEEDER:       SEE RISER DIAGRAM       LUGS: TOP       LUGS: TOP         OPTION:       BKR       BKR       MAINS: 200A MCB       CON       WATTS       NOTE       LUGS: TOP         OPTION:       BKR       BKR       MAINS: 200A MCB       COT       WATTS       NOTE       LUGS: TOP         GARAGE DOOR       20       1       AF/G       500       1       A       2       1,433       AF       1       15       F:3         GARAGE COPR       20       1       AF       1080       3       C       4       1,320       2       20       CU-3         STUDY RCPTCHIME       20       1       AF       1,280       7       C       8       200       AF       1       15       WH-VRP-1         DISHWASHER       20       1       AF       1,280       7       C       8       200       AF       1       15       WH-VRP-1         DISHWASHER       20       1       AF       1,200       1       AF       1,200       WASHER       WASHER       WASHER       WASHER       WASHER       WASHER       WASHER	PANEL:	B2B			LC	DCATION:	GARA	GE						N	EMA ENCLOSURE: 1
FEEDER:       SER RISER DIAGRAM       LUGS: TOP         OPTION:       LUGA: DESCRIPTION       BKR       BKR       NOT       WATTS       NOT       PHASE       CCT       WATTS       NOTE       BKR       BKR       LUGS: TOP         ADAD DESCRIPTION       SIZE       POLE       NOT       WATTS       NOT       PHASE       CCT       WATTS       NOTE       BKR       BKR       BKR       LUGS: TOP         GARAGE DOOR       20       1       AFF       10.00       1       A       1       1       1       1       5       F:3       G         GARAGE COT       20       1       AF       10.00       3       C       4       1,320       2       0       CU3         STUDY REPT/CHIME       20       1       AF       1,500       1       C       8       2000       4       1       15       WH:1/RP-1         LUVIN/CENTRY ROPT       20       1       AF       1,500       11       C       12       2.000       2       30       DRYER         KITCHENNARGE/DINNG RCPT       20       1       AF       1,500       11       C       12       2.00       MASHER       MASHER       MASHER<	SYSTEM:	240/120V., 1P.3W				MAINS:	200A	мсв						CA	BINET MOUNTING: RECESSED
OPTIONS:       AIC RATING: 22,000A         LOAD DESCRIPTION       BKR BKR BKR GARAGE DOOR       BKR 20       I 1       AFF       CCT NO.       VMATTS NO.       NOTE POLE       BKR BKR BKR POLE       BKR BKR BKR BKR POLE       BKR BKR BKR BKR POLE       BKR BKR BKR BKR POLE       BKR BKR BKR BKR POLE       BKR BKR BKR BKR POLE       BKR BKR BKR POLE       BKR BKR BKR BKR POLE       BKR BKR BKR BKR POLE       BKR BKR BKR BKR POLE       BKR BKR BKR BKR BKR BKR BKR BKR BKR BKR			АМ			-								_	
LOAD DESCRIPTION         BKR SIZE SIZE POLE         BKR POLE         NOTE NOTE         WATTS NOTE POLE         NOTE POLE SIZE POLE         BKR POLE         LOAD DESCRIPTION           GARAGE DOOR         20         1         AFG         500         1         A         2         1,433         AF         1         15         F-3           GARAGE CCPT         20         1         AF         1080         3         C         4         1,320         2         20         CU-3           STUDY RCPT/CHIME         20         1         AF         900         5         A         6         1,320         2         20         CU-3           LIVING/ENTRY RCPT         20         1         AF         1500         9         A         10         2,000         2         30         DRYER           KITCHEN/RANGE/DINING RCPT         20         1         AF         1,500         13         A         14         1,000         AF         1         20         WASHER         BERG DUM ROPT         1         AF         16         720         AF         1         20         BATHROW ROPT         1           FIRIST/SECOND/THIRD FL/EXT. ITG         20         1         AF         21 </td <td></td>															
LUAD DESCRIPTION         SIZE         POLE         NO.         PPLASE         NO.         WATTS         NO.         PPLASE         NO.         POLE         SIZE         LUAD DESCRIPTION           GARAGE DOOR         20         1         AF/G         500         1         A         2         1,433         AF         1         15         F-3           GARAGE ROPT         20         1         AF         900         5         A         6         1,320         2         20         CU-3           STUDY ROPT/CHIME         20         1         AF         1,080         3         C         4         1,320         -         20         CU-3           LIVING/ENTRY ROPT         20         1         AF         1,200         7         C         8         200         AF         1         15         WH-1/(R)-1           DISHWASHER         20         1         AF         1,500         11         C         12         2,000         -         0         DRYER           KITCHEN/RANGE/DINING ROPT         20         1         AF         1,500         13         A         14         1,000         AF         1         20         BATHROOM ROPT	-		BKR	BKR			ССТ	<b>I</b>		ССТ			BKR	BKR	· · · · · · · · · · · · · · · · · · ·
GARAGE RCPT       20       1       AF       1,080       3       C       4       1,320       2       20       CU-3         STUDY RCPT/CHIME       20       1       AF       900       5       A       6       1,320       2       20       CU-3         LIVING/ENTRY RCPT       20       1       AF       900       5       A       6       1,320       2       30       DRYER         UNING/ENTRY RCPT       20       1       AF       500       9       A       10       2,000       2       30       DRYER         KITCHEN/DISPOSAL RCPT       20       1       AF       1,500       13       A       14       1,000       AF/G       1       20       WASHER         FRIDGE RCPT       20       1       AF       1,500       13       A       14       1,000       AF/G       1       20       WASHER         FRIDGE RCPT       20       1       AF       784       17       A       18       720       AF       1<20	LO	AD DESCRIPTION				WATTS		PHA	\SE		WATTS	NOTE			LOAD DESCRIPTION
STUDY RCPT/CHIME         20         1         AF         900         5         A         6         1,320           LUVING/ENTRY RCPT         20         1         AF         1,260         7         C         8         200         AF         1         15         WH-1/RP-1           DISHWASHER         20         1         AF         500         9         A         10         2,000         2         30         DRYER           KITCHEN/DSPOSAL RCPT         20         1         AF         1,500         13         A         14         1,000         AF/G         1         20         WASHER           FRIDGE RCPT         20         1         AF         900         15         C         16         720         AF         1         20         WASTERBROUM-RCPT         1           FIRSTSECOND/THING FL/EXT. LTG         20         1         AF         403         19         C         20         LABO         AF         1         20         BATHROOM RCPT         1         A         22         AF         1         20         SPARE           SPARE         20         1         AF         21         A         22         AF	(	GARAGE DOOR	20	1	AF/G	500	1	А		2	1,433	AF	1	15	F-3
LIVING/ENTRY RCPT       20       1       AF       1,260       7       C       8       200       AF       1       15       WH-1/RP-1         DISHWASHER       20       1       AF       500       9       A       10       2,000       2       30       DRYER         KITCHEN/DISPOSAL RCPT       20       1       AF       1,500       11       C       12       2,000       2       30       DRYER         KITCHEN/RANGE/DINING RCPT       20       1       AF       1,500       13       A       14       1,000       AF       1       20       WASHER         FRIDGE RCPT       20       1       AF       900       15       C       16       729,       AF       1       20       WASHER         FIRST/SECOND/THIRD FL/EXT. LTG       20       1       AF       403       19       C       20       4/80       AF       1       20       BATHROOM RCPT         BALC/HALL RCPT/EF'S       20       1       AF       21       A       22       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1 <t< td=""><td></td><td>GARAGE RCPT</td><td>20</td><td>1</td><td>AF</td><td>1,080</td><td>3</td><td></td><td>С</td><td>4</td><td>1,320</td><td></td><td>2</td><td>20</td><td>CU-3</td></t<>		GARAGE RCPT	20	1	AF	1,080	3		С	4	1,320		2	20	CU-3
DISHWASHER         20         1         AF         500         9         A         10         2,000         2         30         DRYER           KITCHEN/DISPOSAL RCPT         20         1         AF         1,500         11         C         12         2,000         2         30         DRYER           KITCHEN/DISPOSAL RCPT         20         1         AF         1,500         13         A         14         1,000         AF/G         1         20         WASHER           FIDGE RCPT         20         1         AF         900         15         C         16         720         AF         1         20         WASHER         BEDEOQUERCPT         1         AF         900         15         C         16         720         AF         1         20         BATHROOM RCPT         1         AF         403         19         C         20         AF         1         20         BATHROOM RCPT         20         1         AF         21         A         22         AF         1         20         SPARE         20         SPARE         20         SPARE         20         SPARE         20         SPARE         20         SPARE         30	ST	UDY RCPT/CHIME	20	1	AF	900	5	А		6	1,320				
KITCHEN/DISPOSAL RCPT       20       1       AF       1,500       11       C       12       2,000         KITCHEN/RANGE/DINING RCPT       20       1       AF       1,500       13       A       14       1,000       AF/G       1       20       WASHER         FRIDGE RCPT       20       1       AF       900       15       C       16       720       AF       1       20       WASHER         FRIDGE RCPT       20       1       AF       784       17       A       18       720       AF       1       20       BAILO/MARCH REPROMEMENT       1         BALC/HALL RCPT/EF'S       20       1       AF       403       19       C       20       AF       1       20       SPARE         SPARE       20       1       AF       21       A       22       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         31       C       32	LIV	/ING/ENTRY RCPT	20	1	AF	1,260	7		С	8	200	AF	1	15	WH-1/RP-1
KITCHEN/RANGE/DINING RCPT       20       1       AF       1,500       13       A       14       1,000       AF/G       1       20       WASHER         FRIDGE RCPT       20       1       AF       900       15       C       16       720       AF       -       20       MASHER       1       1       AF       900       15       C       16       720       AF       1       20       MASHER       20       1       AF       17       A       18       720       AF       1       20       BATHROOM RCPT       1       AF       13       A       14       20       AF       1       20       BATHROOM RCPT       1       AF       20       1       AF       21       A       22       AF       1       20       SPARE       20       1       AF       23       C       24       AF       1       20       SPARE       20       SPARE       20       33       31       C       32       33       33       33       33       33       33		DISHWASHER	20	1	AF	500	9	А		10	2,000		2	30	DRYER
FRIDGE RCPT       20       1       AF       900       15       C       16       720       AF       1       20       MASTER BERGOUL RCPT       1         FIRST/SECOND/THIRD FL./EXT. LTG       20       1       AF       784       17       A       18       720       AF       1       20       BATHROOM #CPT       1         BALC/HALL RCPT/EF'S       20       1       AF       403       19       C       20       4.76       47       20       AF       1       20       BATHROOM #2.8671         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         31       C       32       2       33       A       34       33       34       39       6       40       41       42       42       FULLY BUSSED SPACE       FULLY BUSSED SPACE       PHASE A : * 10.657       W       PHASE A : * 10.463       W	KITCH	IEN/DISPOSAL RCPT	20	1	AF	1,500	11		С	12	2,000				
FIRST/SECOND/THIRD FL./EXT. LTG       20       1       AF       784       17       A       18       720       AF       1       20       BATHROOM RCPT         BALC/HALL RCPT/EF'S       20       1       AF       403       19       C       20       4.65       4.7       20       AF       1       20       BATHROOM RCPT         SPARE       20       1       AF       21       A       22       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         20       1       AF       23       C       24       AF       1       20       SPARE         21       A       23       C       24       AF       1       20       SPARE         229       A       30	KITCHE	N/RANGE/DINING RCPT	20	1		1,500		А		14	· ·		1		WASHER
BALC/HALL RCPT/EF'S       20       1       AF       403       19       C       20       4/80       AF       1       20       C       20       AF       1       20       SPARE         SPARE       20       1       AF       21       A       22       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         20       1       AF       23       C       24       AF       1       20       SPARE         21       A       26       -       -       -       26       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -		FRIDGE RCPT	20	1	AF	900	15		С	16	720		7	20	MASTER-BEDBOOM-RCPT
SPARE       20       1       AF       21       A       22       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         20       1       AF       23       C       24       AF       1       20       SPARE         20       1       AF       23       C       24       AF       1       20       SPARE         27       C       28       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - </td <td>FIRST/SEC</td> <td>COND/THIRD FL./EXT. LTG</td> <td>20</td> <td>1</td> <td></td> <td>784</td> <td></td> <td>A</td> <td></td> <td>18</td> <td></td> <td></td> <td>1</td> <td></td> <td></td>	FIRST/SEC	COND/THIRD FL./EXT. LTG	20	1		784		A		18			1		
SPARE       20       1       AF       23       C       24       AF       1       20       SPARE         25       A       26	BAL	C/HALL RCPT/EF'S	20	1	AF	403	19		С	20	1,080		Ž	20	
25       A       26         27       C       28         29       A       30         31       C       32         33       A       34         35       C       36         37       A       38         39       C       40         41       A       42         43       C       44         FULLY BUSSED SPACE       43       C         PHASE A :       10,657       W         PHASE C :       10,463       W		SPARE	20	1	AF		21	А		22		AF	1	20	SPARE
27       C       28         29       A       30         31       C       32         33       A       34         35       C       36         37       A       38         39       C       40         41       A       42         943       C       44         9443       C       44         945       C       10,657       W         9445       C       10,463       W         88       A       88       88		SPARE	20	1	AF		23		С	24		AF	1	20	SPARE
29       A       30         31       C       32         33       A       34         35       C       36         37       A       38         39       C       40         41       A       42         FULLY BUSSED SPACE       43       C       44         FULLY BUSSED SPACE			,	·			25	А		26					
31       C       32         33       A       34         35       C       36         37       A       38         39       C       40         41       A       42         FULLY BUSSED SPACE       43       C       44         FULLY BUSSED SPACE       FULLY BUSSED SPACE       DEMAND         PHASE A :        10,657       W       21,120       21,193         B8 A       88 A       88 A       88 A					ļ		27		С	28					
33       A       34         35       C       36         37       A       38         39       C       40         41       A       42         FULLY BUSSED SPACE       43       C       44         FULLY BUSSED SPACE         PHASE A : * 10,657       W         PHASE A : * 10,657       W       21,120       W       21,193       W         88 A					ļ		29	A		30					
35       C       36         37       A       38         39       C       40         41       A       42         41       A       42         43       C       44         FULLY BUSSED SPACE       FULLY BUSSED SPACE         PHASE A :       10,657       W         PHASE C :       10,463       W         88 A       88 A					ļ		31		С	32					
37       A       38         39       C       40         41       A       42         43       C       44         FULLY BUSSED SPACE       43       C         43       C       44         PHASE A :       10,657       W         PHASE C :       10,463       W         CONNECTED       DEMAND         21,120       W       21,193         88       A       88					l		33	A		34					
39       C       40         41       A       42         43       C       44         FULLY BUSSED SPACE       43       C         PHASE A :        10,657       W         PHASE C :        10,463       W         Base A       88 A       88 A					l		35		С	36					
FULLY BUSSED SPACE       41       A       42       FULLY BUSSED SPACE         FULLY BUSSED SPACE       43       C       44       FULLY BUSSED SPACE         PHASE A :        10,657       W       W       CONNECTED       DEMAND         PHASE C :        10,463       W       21,120       W       21,193       W					ľ		37	A		38					
FULLY BUSSED SPACE     43     C     44     FULLY BUSSED SPACE       PHASE A :      10,657     W     CONNECTED     DEMAND       PHASE C :      10,463     W     21,120     W     21,193     W					l		39		С	40					
PHASE A :       10,657       W       CONNECTED       DEMAND         PHASE C :       10,463       W       21,120       W       21,193       W         88 A       88 A       88 A       88 A       88 A					l		41	A		42					
PHASE C : 10,463 W 21,120 W 21,193 W 88 A 88 A	FULL	_Y BUSSED SPACE					43		С	44					FULLY BUSSED SPACE
PHASE C 10,463 W 21,120 W 21,193 W 88 A 88 A														_	
<b>* 88 A * 88 A</b>								•		W					
						PHA	SE C :	<b>*</b> 10,4	463	W				ľ	
Y:_Projects\Active\2022\01202245.01\01202245.01.Calcs and Support\01202245.01															<u> </u>
											Y:_Projects	s\Active\2	2022\012	202245.0	01\01202245.01.Calcs and Support\01202245.01

## ELECTRICAL SERVICE LOAD SUMMARY

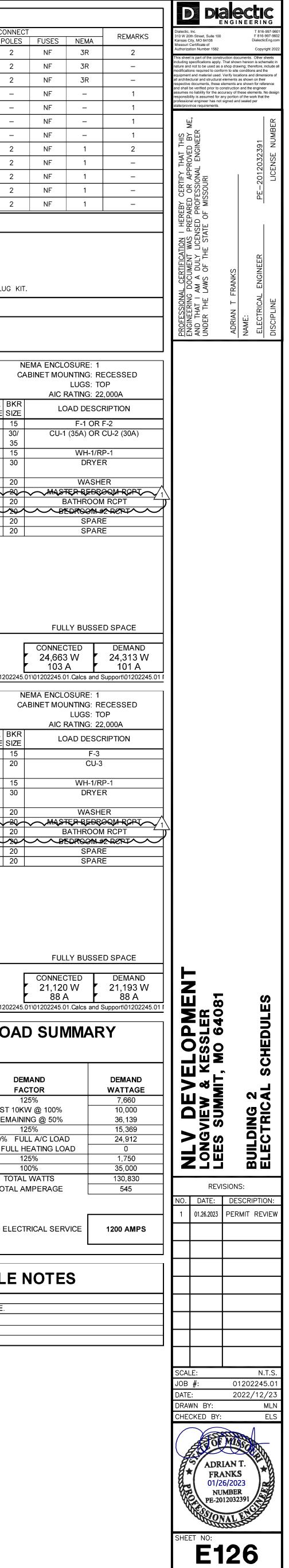
LOAD DESCRIPTION	CONNECTED WATTAGE	DEMAND FACTOR
LIGHTING	6,128	125%
RECEPTACLES	82,277	1ST 10KW @ 100%
		REMAINING @ 50%
CONTINUOUS MOTORS	12,295	125%
AIR CONDITIONING *	24,912	100% FULL A/C LOAD
HEATING *	0	0% FULL HEATING LOAD
CONTINUOUS WATER HEATER	1,400	125%
MISCELLANEOUS	35,000	100%
		TOTAL WATTS
		TOTAL AMPERAGE

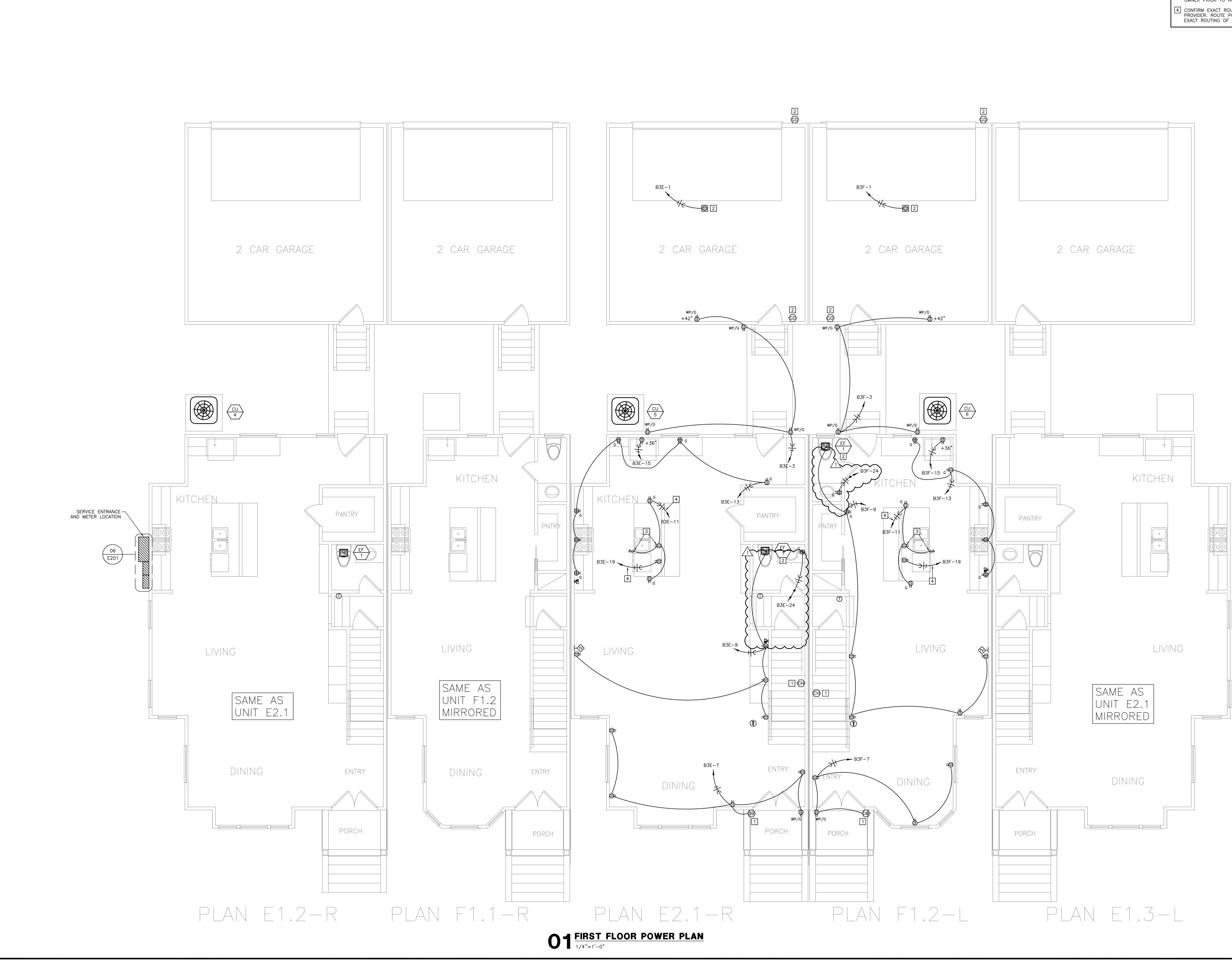
NOTES: * USE GREATER LOAD OF THE TWO CATEGORIES

REQUIRED ELECTRICAL SERVICE

# PANEL SCHEDULE NOTES

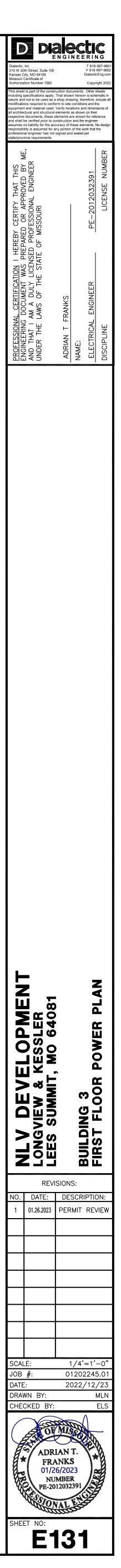
General Notes:								
	BALANCE PANELS WITHIN 10% PHASE TO PHASE.							
Circuit Key Notes:								
G	GROUND FAULT CIRCUIT INTERUPTING BREAKER							
AF	ARC FAULT CIRCUIT INTERUPTING BREAKER							

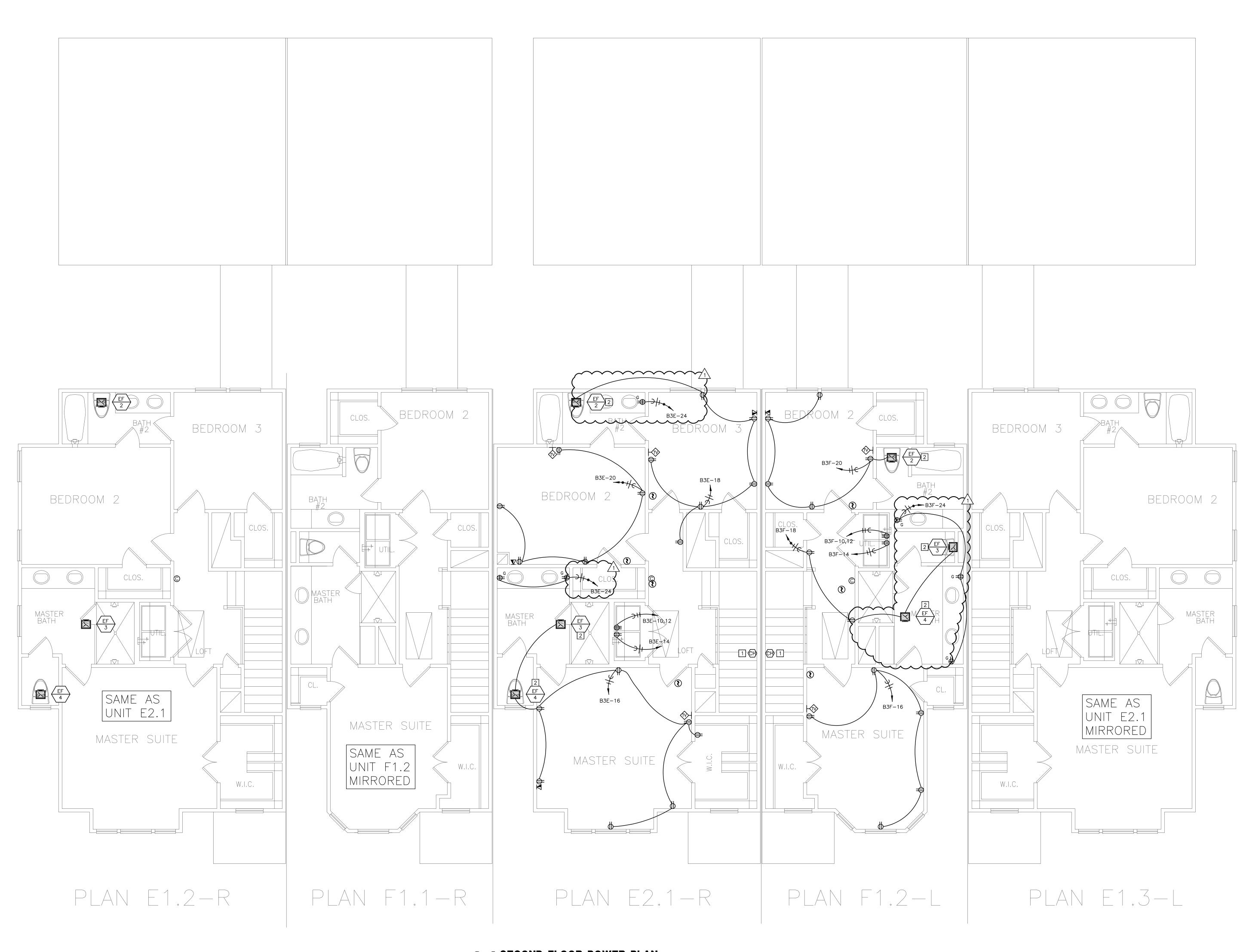




# **POWER PLAN NOTE BOX**

- 1 DOOR CHIME. CONFIRM EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE ALL LOW VOLTAGE WIRING AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. 2 BATHROOM EXHAUST FAN. FAN IS CONTROLLED BY LIGHT SWITCH IN SAME ROOM. REFER TO LIGHTING PLAN FOR LOCATION OF SWITCH. 3 UNDER SINK DISPOSAL. CONFIRM EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. ROUTE POWER THROUGH LIGHT SWITCH ABOVE COUNTER FOR CONTROL. CONFIRM EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 4 CONFIRM EXACT ROUTING OF POWER IN ISLAND WITH MILLWORK PROVIDER. ROUTE POWER TO ISLAND UP FROM BASEMENT. CONFIRM EXACT ROUTING OF POWER FROM BASEMENT WITH MILLWORK PROVIDER.

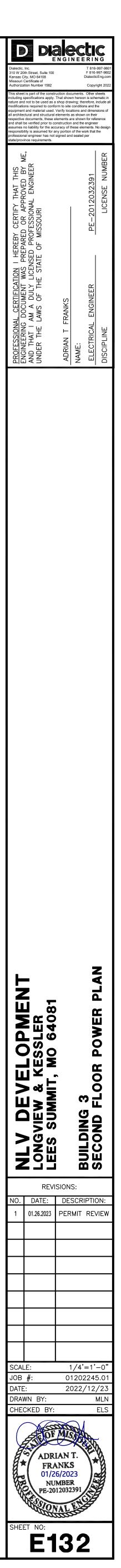


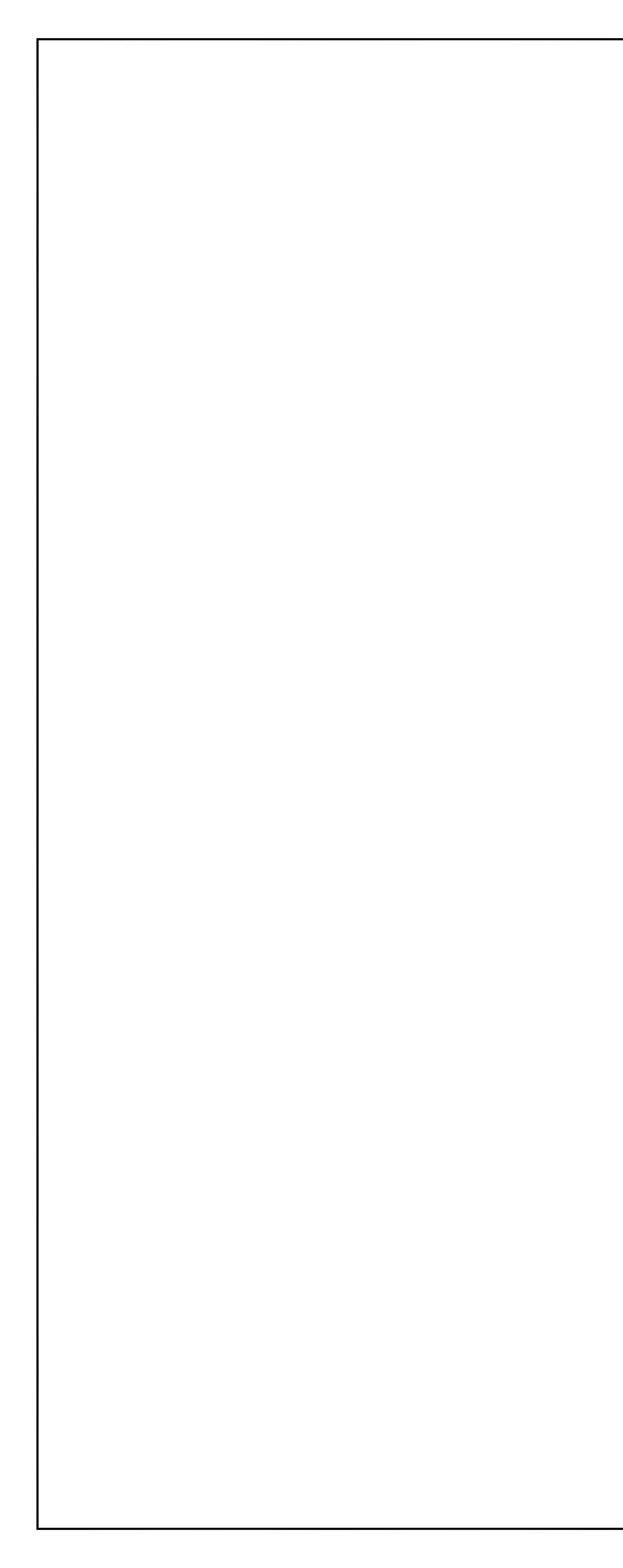


**O1** SECOND FLOOR POWER PLAN 1/4"=1'-0"

#### POWER PLAN NOTE BOX

]	DOOR CHIME. CONFIRM EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO ROUGH-IN. PROVIDE ALL LOW VOLTAGE WIRING AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
]	BATHROOM EXHAUST FAN. FAN IS CONTROLLED BY LIGHT SWITCH IN SAME ROOM. REFER TO LIGHTING PLAN FOR LOCATION OF SWITCH.





LIG	ITING FIXTURE SO	CHEDULE						EQUIP	MENT F	EEDER \$	SCHE	DULE						
TYPE	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	LAMPS & BALLAST	MOUNTING	VOLTS	WATTS	REMARKS	EQUIPMENT	VOLTAGE-	PANEL -	моср	FEEDER	1			ISCONNECT		
А	RECESSED DOWNLIGHT	TBD	(1) 10W LED MEDIUM BASE	CEILING	120	10		MARK CU-4	PHASE 240V-1P	CIRCUIT(S) B3E-4,6	40A	CONDUCTOR & GROUND (2)#8 & (1)#10G	PIPE 3/4"	PROVIDER CONTRACTOR	AMPERAGE 60A	POLES 2	FUSES NF	
AW	RECESSED DOWNLIGHT – WET LOCATION RATED	TBD	(1) 10W LED MEDIUM BASE	CEILING	120	10		CU-5	240V-1P	B3E-4,6	35A	(2)#8 & (1)#10G	3/4"	CONTRACTOR	60A	2	NF	
В	VANITY LIGHT FIXTURE	TBD	(3) 10W LED MEDIUM BASE	WALL	120	30		CU-6 EF-1	240V-1P 120V-1P	B3F-4,6 RE: PLAN	30A 15A	(2)#10 & (1)#10G (2)#12 & (1)#12G	3/4" 3/4"	CONTRACTOR INTEGRAL	30A	2	NF NF	
С	4' STRIP FIXTURE	TBD	(2) 15W LED BI-PIN	CEILING	120	30		EF-2	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL		_	NF	
	WALL SCONCE	TBD	(1) 10W LED MEDIUM	WALL	120	10		EF-3	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	-	NF	
U	WALL SCONCE		BASE	WALL	120	10		EF-4	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	-	NF	
F	CEILING FAN	TBD	NONE	CEILING	120	50		F-4	120V-1P	B3E-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	
			(1) 10W LED MEDIUM				PROVIDE FIXTURE WITH CEILING FAN BOX	F-5	120V-1P	B3E-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	
G	SURFACE MOUNTED FIXTURE	TBD	BASE	CEILING	120	10	IN CEILING FOR POTENTIAL FUTURE CEILING FAN.	F-6	120V-1P	B3F-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	
P1	CUSTOM CHANDELIER	TBD	(5) 3W LED MEDIUM BASE	PENDANT	120	15		RP-1	120V-1P	B3E-8/B3F-8	3 15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	
			(2) 7W LED MEDIUM					SE-1	120V-1P	B3E-5/B3F-5	5 15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	-	NF	
P2	CUSTOM PENDANT	TBD	BASE	PENDANT	120	14		WH-1	120V-1P	B3E-8/B3F-8	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	
Р3	CUSTOM PENDANT	TBD	(1) 5W LED MEDIUM BASE	PENDANT	120	5		EQUIP	MENT F		GENE	RAL NOTES						<u> </u>

A. DISCONNECT SWITCHES FOR 120V OR 277V EQUIPMENT UNDER 30 AMPS SHALL BE MOTOR RATED TOGGLE SWITCHES.

B. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.

C. COORDINATE EXACT ROUGH-IN LOCATIONS PRIOR TO START OF CONSTRUCTION. D. ALL MULTI-VOLT DISCONNECT SWITCHES PROVIDED BY THIS CONTRACTOR SHALL COME WITH A NEUTRAL AND GROUND LUG KIT.

#### EQUIPMENT FEEDER REMARKS

1. EXHAUST FAN TO BE CONTROLLED BY A DEDICATED SWITCH. RE: PLANS FOR LOCATION OF SWITCH.

2. EQUIPMENT IS LOCATED IN THE END UNITS ONLY. REFER TO MECHANICAL PLAN FOR MORE INFORMATION.

PANEL:B3ESYSTEM:240/120V., 1P,3WFEEDER:SEE RISER DIAGROPTIONS:SEE RISER DIAGR			LC	DCATION: MAINS:	200A						C	IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE LUGS: TOP AIC RATING: 22,000A
LOAD DESCRIPTION		BKR POLE		WATTS	CCT NO.	PHASE	CCT NO.			BKR POLE	BKR SIZE	LOAD DESCRIPTION
GARAGE DOOR	20	1	AF/G	500	1	А	2	1,999	AF	1	15	F-4 OR F-5
GARAGE/EXTERIOR RCPT	20	1	AF	720	3	С	4	2,622		2	35/	CU-4 (40A) OR CU-5 (35A)
BASEMENT RCPT/SE-1	20	1	AF	1,200	5	А	6	2,622			40	
DINING/ENTRY RCPT/CHIME	20	1	AF	1,080	7	С	8	200	AF	1	15	WH-1/RP-1
LIVING RCPT/EF-1	20	1	AF	763	9	А	10	2,000		2	30	DRYER
ISLAND/DISPOSAL RCPT	20	1	AF	1,500	11	С	12	2,000				
KITCHEN/RANGE RCPT	20	1	AF	1,500	13	А	14	1,000	AF/G	1	20	WASHER
FRIDGE RCPT	20	1	AF	900	15	С	16	1,346	AF	1	20	MASTER BEDROOM RCPT/EF-3,4
BASEMENT/FIRST FLOOR/EXT. LTG	20	1	AF	904	17	А	18	1,123	AF	1	20	BEDROOM #3/HALL RCPT/EF-2
DISHWASHER	20	1	AF	500	19	С	20	1,330	AF	1	20	BED #2 RCPT/2ND FL LTG
SPARE	20	1	AF		21	А	22	$\sim$			20	SPARE~~~~
SPARE	20	1	AF		23	С	24 (	720	AF	1	20	BATHROOM RCPT
					25	А	26	$\sim$				
					27	С	28					
					29	A	30					
					31	C						
					33	A	34					
					35	С						
					37	A	38					
					39	<u>с</u>	40					
					41	A	42					
FULLY BUSSED SPACE					41	A C						FULLY BUSSED SPACE
				РНА	SE C :	<b>*</b> 12,918	VV	Y:_Project	s\Active\2	2022\01	202245	26,529 W         25,714 W           111 A         107 A           01\01202245.01.Calcs and Support\01202245
SYSTEM: 240/120V., 1P,3W	AM		LC	DCATION: MAINS:	BASE	MENT		Y:_Project	s\Active\2	2022\01	N	IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR			LC	DCATION:	BASE 200A I	MENT		Y:_Project	s\Active\2		N C/	111 A         107 A           .01\01202245.01.Calcs and Support\01202245           IEMA ENCLOSURE:
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR PTIONS: LOAD DESCRIPTION	BKR	BKR POLE	NOTE	DCATION:	BASE	MENT	CCT NO.	Y:_Project	NOTE	BKR POLE	N C/ BKR	In the second se
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR PTIONS:	BKR		NOTE	DCATION: MAINS: WATTS 500	BASE 200A	MENT MCB	ССТ		NOTE	BKR	N C/ BKR	ITTA 107 A 01\01202245.01.Calcs and Support\01202245 IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE LUGS: TOP AIC RATING: 22,000A LOAD DESCRIPTION F-6
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR OPTIONS: LOAD DESCRIPTION	BKR SIZE		NOTE AF/G AF	DCATION: MAINS: WATTS 500 720	BASE 200A I CCT NO.	MENT MCB PHASE	CCT NO.	WATTS	NOTE	BKR	N C/ BKR SIZE	In the second se
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR OPTIONS: LOAD DESCRIPTION GARAGE DOOR	BKR SIZE 20	POLE 1	NOTE AF/G	DCATION: MAINS: WATTS 500	BASE 200A I CCT NO. 1	MENT MCB PHASE A	CCT NO. 2	WATTS 1,913	NOTE	BKR POLE 1	N C/ BKR SIZE 15	ITTA 107 A 01\01202245.01.Calcs and Support\01202245 IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE LUGS: TOP AIC RATING: 22,000A LOAD DESCRIPTION F-6
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT	BKR SIZE 20 20	POLE 1 1	NOTE AF/G AF	DCATION: MAINS: WATTS 500 720	BASE 200A I CCT NO. 1 3	MENT MCB PHASE A C	CCT NO. 2 4	WATTS 1,913 1,784	NOTE	BKR POLE 1	N C/ BKR SIZE 15	ITTA 107 A 01\01202245.01.Calcs and Support\01202245 IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE LUGS: TOP AIC RATING: 22,000A LOAD DESCRIPTION F-6
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR OPTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1	BKR SIZE 20 20 20	POLE 1 1 1	NOTE AF/G AF	DCATION: MAINS: WATTS 500 720 720	BASE 200A I 200A I NO. 1 3 5	MENT MCB PHASE A C A	CCT NO. 2 4 6	WATTS 1,913 1,784 1,784	NOTE AF	BKR POLE 1 2	N C/ BKR SIZE 15 30	In the second se
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME	BKR SIZE 20 20 20 20	POLE 1 1 1 1 1	NOTE AF/G AF AF AF	DCATION: MAINS: WATTS 500 720 720 900	BASE 200A 1 200A 1 NO. 1 3 5 7	MENT MCB PHASE A C A C	CCT NO. 2 4 6 8	WATTS 1,913 1,784 1,784 200	NOTE AF	BKR POLE 1 2 1	N C/ BKR SIZE 15 30 15	ITTA 107 A 01\01202245.01.Calcs and Support\01202245 IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE LUGS: TOP AIC RATING: 22,000A LOAD DESCRIPTION F-6 CU-6 WH-1/RP-1
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING RCPT/EF-1	BKR SIZE 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1	NOTE AF/G AF AF AF AF	DCATION: MAINS: WATTS 500 720 720 900 943	BASE 200A CCT NO. 1 3 5 7 9	MENT MCB PHASE A C A C A	CCT NO. 2 4 6 8 10	WATTS 1,913 1,784 1,784 200 2,000	NOTE AF	BKR POLE 1 2 1	N C/ BKR SIZE 15 30 15	ITTA 107 A 01\01202245.01.Calcs and Support\01202245 IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE LUGS: TOP AIC RATING: 22,000A LOAD DESCRIPTION F-6 CU-6 WH-1/RP-1
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YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NOTE AF/G AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 720 900 943 1,500 1,500 900 804	BASE 200A 200A 1 3 5 7 9 11 13 15 7 9 11 13 15 17 19 21 23 25 27 29 31 33	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 24 26 28 30 32 34	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 1 2 1 1 1 1	N C/ BKR SIZE 15 30 15 30 20 20 20 20 20 20	In the second se
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR OPTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NOTE AF/G AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 720 900 943 1,500 1,500 900 804	BASE 200A 1 NO. 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 1 2 1 1 1 1	N C/ BKR SIZE 15 30 15 30 20 20 20 20 20 20	In the second se
EYSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR OPTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 720 900 943 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 34 36 38	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 1 2 1 1 1 1	N C/ BKR SIZE 15 30 15 30 20 20 20 20 20 20	In the second se
SYSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR OPTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 720 900 943 1,500 1,500 900 804	BASE 200A 1 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 21 23 25 27 29 31 33 35 37 39	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 1 2 1 1 1 1	N C/ BKR SIZE 15 30 15 30 20 20 20 20 20 20	Interview of the second
SYSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR OPTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 720 900 943 1,500 1,500 900 804	BASE 200A 1 200A 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 31 23 25 27 29 31 33 35 37 39 41	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 1 2 1 1 1 1	N C/ BKR SIZE 15 30 15 30 20 20 20 20 20 20	In the second support of the second seco
EYSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR OPTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 720 900 943 1,500 1,500 900 804	BASE 200A 1 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 21 23 25 27 29 31 33 35 37 39	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 1 2 1 1 1 1	N C/ BKR SIZE 15 30 15 30 20 20 20 20 20 20	Interview of the second
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGR PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20	POLE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 720 900 943 1,500 1,500 900 804 500 804 500	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 SE A :	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42 44	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 1 2 1 1 1 1	N C/ BKR SIZE 15 30 15 30 20 20 20 20 20 20	In the second support of the second seco

## ELECTRICAL SERVICE LOAD SUMMARY

LOAD DESCRIPTION	CONNECTED WATTAGE	DEMAND FACTOR
LIGHTING	4,320	125%
RECEPTACLES	62,630	1ST 10KW @ 100%
		REMAINING @ 50%
CONTINUOUS MOTORS	9,823	125%
AIR CONDITIONING *	22,870	100% FULL A/C LOAD
HEATING *	0	0% FULL HEATING LOAD
CONTINUOUS WATER HEATER	1,000	125%
MISCELLANEOUS	25,000	100%
		TOTAL WATTS
		TOTAL AMPERAGE
NOTEO		

NOTES: * USE GREATER LOAD OF THE TWO CATEGORIES

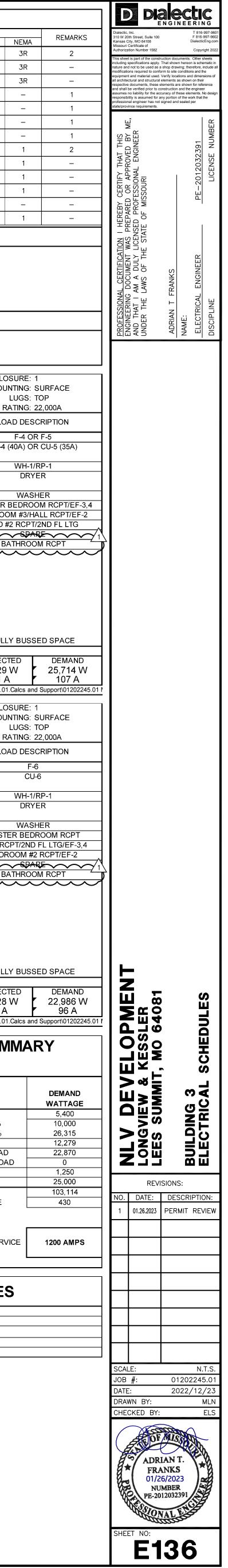
REQUIRED ELECTRICAL SERVICE

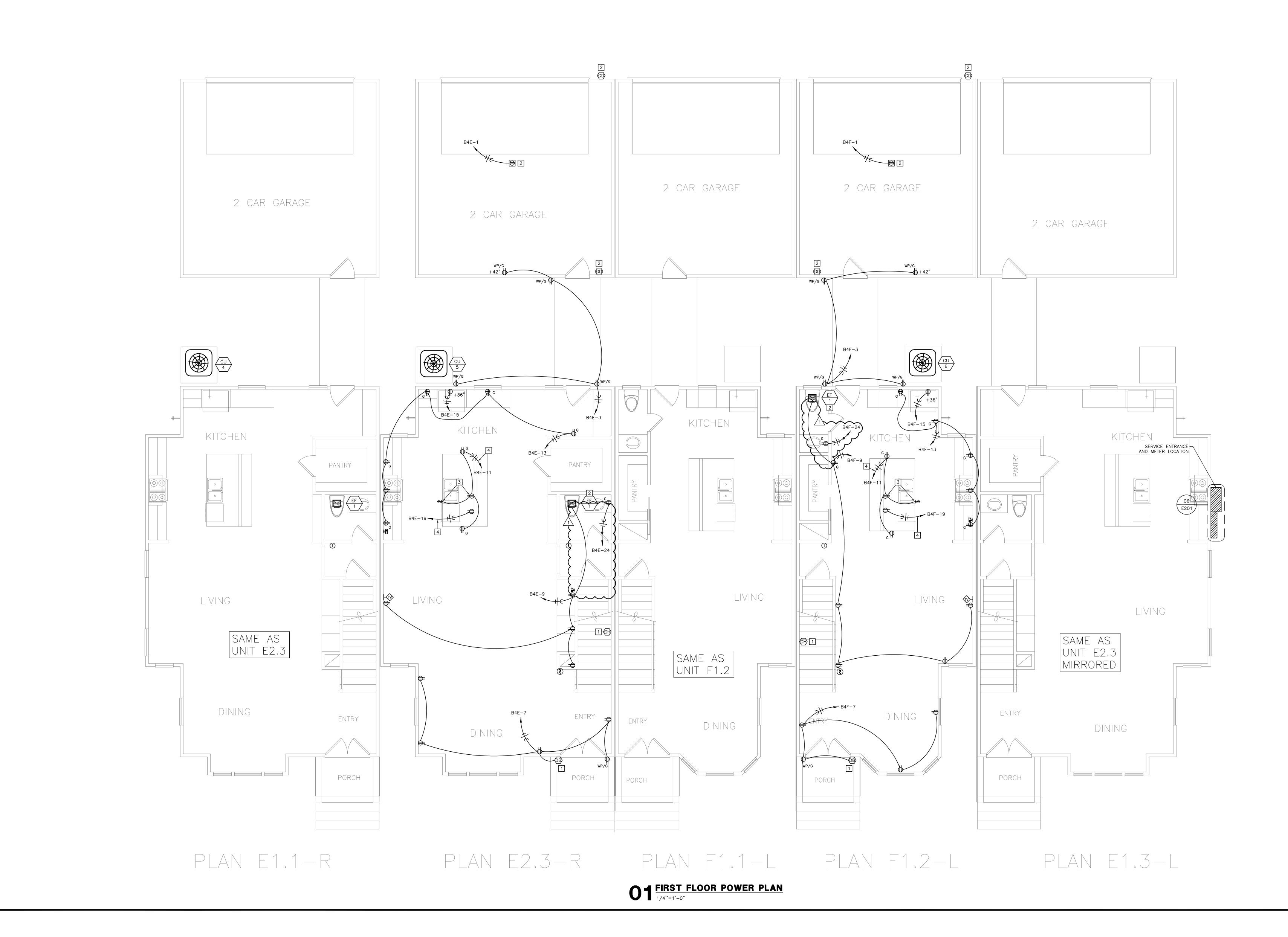
## PANEL SCHEDULE NOTES

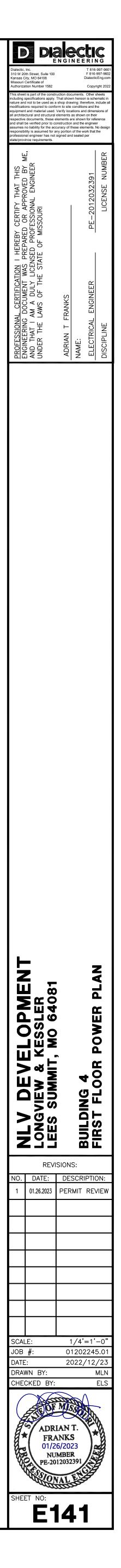
General Notes: BALANCE PANELS WITHIN 10% PHASE TO PHASE. 
 Circuit Key Notes:

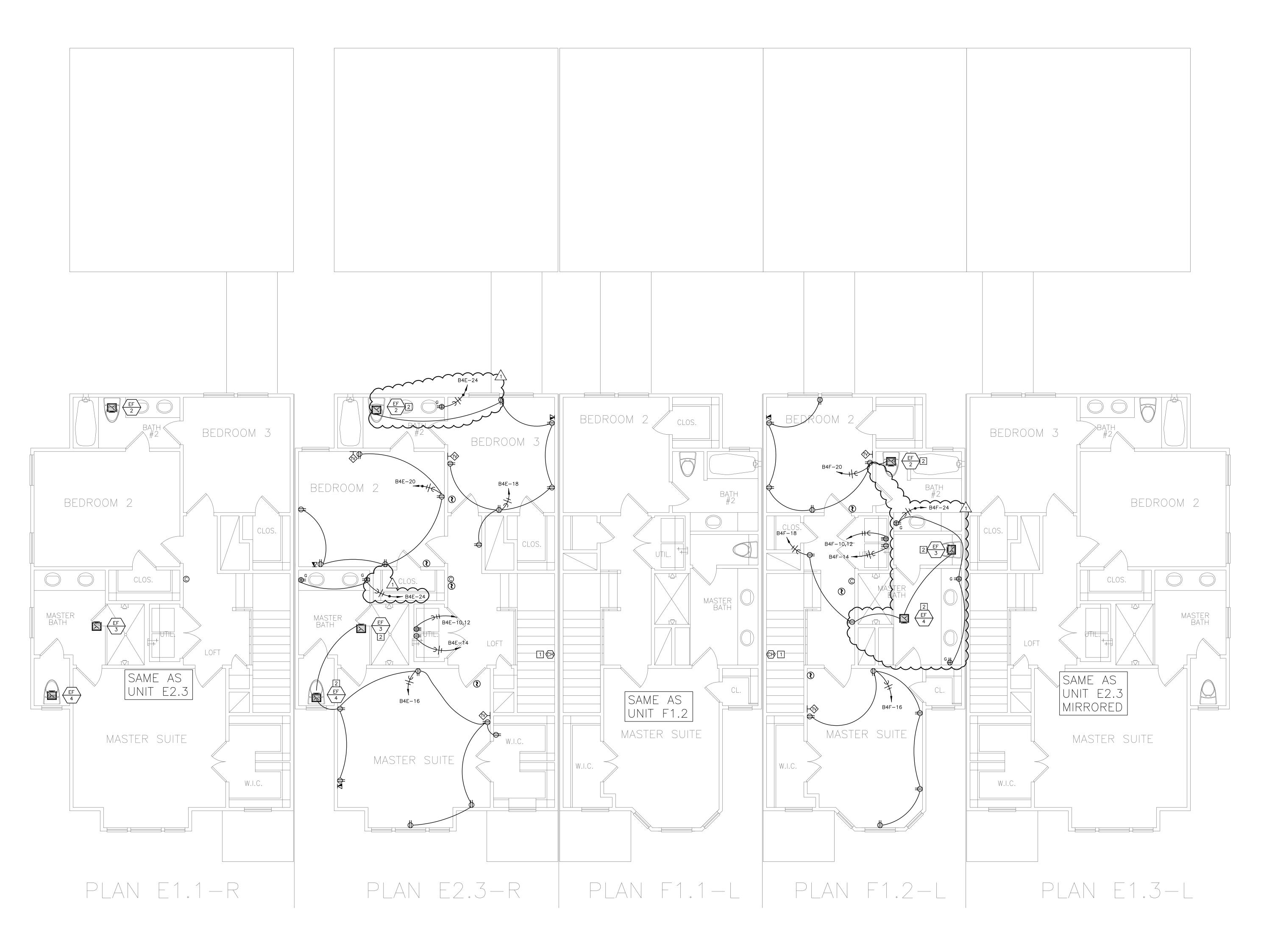
 G
 GROUND FAULT CIRCUIT INTERUPTING BREAKER

 AF
 ARC FAULT CIRCUIT INTERUPTING BREAKER

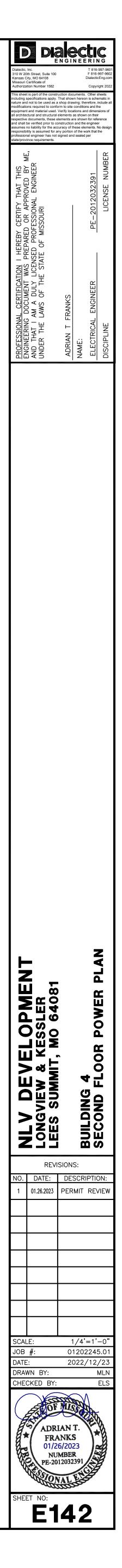


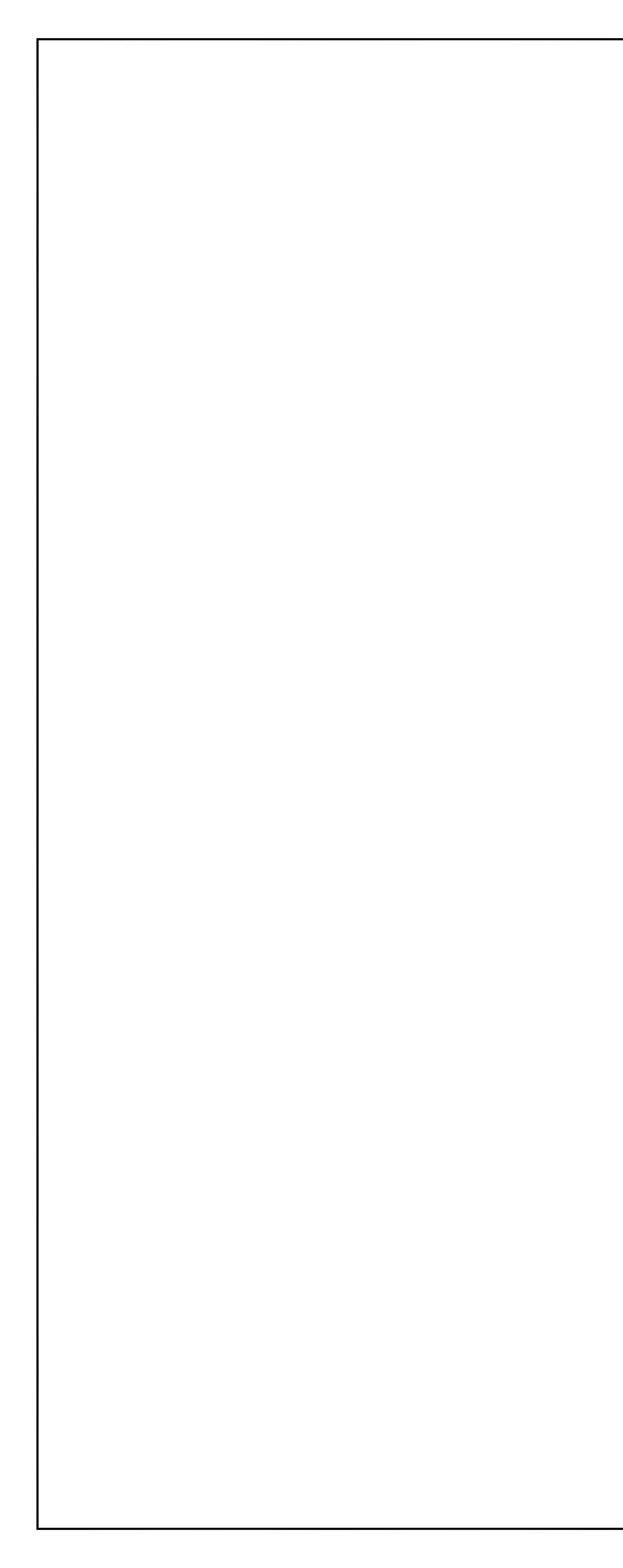






# **O1** SECOND FLOOR POWER PLAN 1/4"=1'-0"





	TING FIXTURE SC	-				I				EEDER S		FEEDER				ISCONNECT		
YPE	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	LAMPS & BALLAST	MOUNTING	VOLTS	WATTS	REMARKS	EQUIPMENT MARK	VOLTAGE- PHASE	CIRCUIT(S)	MOCP	CONDUCTOR & GROUND	PIPE	PROVIDER	AMPERAGE		FUSES	NE
A	RECESSED DOWNLIGHT	TBD	(1) 10W LED MEDIUM BASE	CEILING	120	10		CU-4	240V-1P	B4E-4,6	40A	(2)#8 & (1)#10G	3/4"	CONTRACTOR	60A	2	NF	3
٩W	RECESSED DOWNLIGHT – WET LOCATION RATED	TBD	(1) 10W LED MEDIUM BASE	CEILING	120	10		CU-5	240V-1P	B4E-4,6	35A	(2)#8 & (1)#10G	3/4"	CONTRACTOR	60A	2	NF	3
_			(3) 10W LED MEDIUM					CU-6	240V-1P	B4F-4,6	30A	(2)#10 & (1)#10G	3/4"	CONTRACTOR	30A	2	NF	3'
В	VANITY LIGHT FIXTURE	TBD	BASE	WALL	120	30		EF-1	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	-	NF	-
с	4' STRIP FIXTURE	TBD	(2) 15W LED BI-PIN	CEILING	120	30		EF-2	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	_	_	NF	
<u> </u>	WALL SCONCE	TBD	(1) 10W LED MEDIUM	WALL	120	10		EF-3	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	-	NF	
	WALL SCONCE	עסו	BASE	WALL	120	10		EF-4	120V-1P	RE: PLAN	15A	(2)#12 & (1)#12G	3/4"	INTEGRAL	-	-	NF	-
F	CEILING FAN	TBD	NONE	CEILING	120	50		F-4	120V-1P	B4E-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
_			(1) 10W LED MEDIUM				PROVIDE FIXTURE WITH CEILING FAN BOX	F-5	120V-1P	B4E-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
G	SURFACE MOUNTED FIXTURE	TBD	BASE	CEILING	120	10	IN CEILING FOR POTENTIAL FUTURE CEILING FAN.	F-6	120V-1P	B4F-2	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
P1	CUSTOM CHANDELIER	TBD	(5) 3W LED MEDIUM BASE	PENDANT	120	15		RP-1	120V-1P	B4E-8/B4F-8	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
			(2) 7W LED MEDIUM					WH-1	120V-1P	B4E-8/B4F-8	15A	(2)#12 & (1)#12G	3/4"	CONTRACTOR	30A	2	NF	1
2	CUSTOM PENDANT	TBD	BASE	PENDANT	120	14		FOUR	IENT E	EENED (		RAL NOTES	L.		1			
-3	CUSTOM PENDANT	TBD	(1) 5W LED MEDIUM	PENDANT	120	5		EQUIF			JENE	NAL NUTES						
-			BASE					A. DISCONN	CT SWITCHES	FOR 120V OR	277V EQI	JIPMENT UNDER 30 AMPS SHA	ALL BE MO	OTOR RATED TOGGL	E SWITCHES	•		

D. ALL MULTI-VOLT DISCONNECT SWITCHES PROVIDED BY THIS CONTRACTOR SHALL COME WITH A NEUTRAL AND GROUND LUG KIT.

### EQUIPMENT FEEDER REMARKS

1. EXHAUST FAN TO BE CONTROLLED BY A DEDICATED SWITCH. RE: PLANS FOR LOCATION OF SWITCH. 2. EQUIPMENT IS LOCATED IN THE END UNITS ONLY. REFER TO MECHANICAL PLAN FOR MORE INFORMATION.

NT IS LOCATED IN THE END UNITS O												
ANEL: B4E			LC	DCATION:	BASE	MENT					N	IEMA ENCLOSURE: 1
SYSTEM:         240/120V., 1P,3W				MAINS:								ABINET MOUNTING: SURFACE
EEDER: SEE RISER DIAGRA	AM											LUGS: TOP
DPTIONS:												AIC RATING: 22,000A
LOAD DESCRIPTION		BKR POLE	NOTE	WATTS	CCT NO.	PHASE	CCT NO.	WATTS	NOTE	BKR POLE		LOAD DESCRIPTION
GARAGE DOOR	20		AF/G	500	1	А	2	1,999	AF		15	F-4 OR F-5
GARAGE/EXTERIOR RCPT	20		AF	720	3	С	4	2,622		2	35/	CU-4 (40A) OR CU-5 (35A)
BASEMENT RCPT/SE-1	20	$\left  \frac{1}{1} \right $	AF	1,200	5	A	6	2,622	İ I	_	40	
DINING/ENTRY RCPT/CHIME	20	$\left  \frac{1}{1} \right $	AF	1,200	- 5 - 7	C C	8	2,622	AF	1	40 15	WH-1/RP-1
LIVING RCPT/EF-1	20	$\left  \frac{1}{4} \right $	AF	763	7 9		8 10	200		2	30	DRYER
		┝╶┾╴┦				A			1	<b>~</b>	30	
ISLAND/DISPOSAL RCPT	20		AF	1,500	11	C	12	2,000				
	20		AF	1,500	13	A	14	1,000	AF/G		20	WASHER
FRIDGE RCPT	20		AF	900	15	C	16	1,346	AF		20	MASTER BEDROOM RCPT/EF-3,4
ASEMENT/FIRST FLOOR/EXT. LTG	20	[ <u>1</u>	AF	904	17	A	18	1,123	AF		20	BEDROOM #3/HALL RCPT/EF-2
DISHWASHER	20		AF	500	19	С	20	1,330	AF		20	BED #2 RCPT/2ND FL LTG
SPARE	20		AF	<u> </u>	21	А	22				20	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
SPARE	20		AF		23	C	24 (	720	AF		20	BATHROOM RCPT
	L	L	<u> </u>	ł j	25	A	26	$\sim$		$\overline{}$	$\overline{}$	
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			I	「	35	С	36	[	1			
			I		37	А	38		1			
			I		39	С	40		1			
			I		41	A	42		1			
FULLY BUSSED SPACE			I		43	С			1			FULLY BUSSED SPACE
									I			•
				рна. 	<u> </u>	<b>*</b> 12,918	· · ·	Y:_Projects	s/Active/2	2022\012	202245.	26,529 W         25,714 W           111 A         107 A           01\01202245.01.Calcs and Support\01202245
(STEM: 240/120V., 1P,3W			LC	DCATION: MAINS:	BASE	MENT		Y:_Project:	s\Active\2	2022\012	N	▲BINET MOUNTING: SURFACE
(STEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA	 AM			DCATION:	BASE	MENT		Y:_Project:	s\Active\2	2022\01;	N	▲ 107 A 1\01202245.01.Calcs and Support\01202245 IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE LUGS: TOP
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA	BKR	BKR	NOTE	DCATION: MAINS:	BASE 200A M	MENT	ССТ	Y:_Projects	NOTE	BKR	N CA BKR	▲BINET MOUNTING: SURFACE
(STEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION	BKR SIZE	BKR POLE	NOTE	DCATION: MAINS: WATTS	BASE 200A M CCT NO.	MENT MCB PHASE	CCT NO.	WATTS	NOTE	BKR POLE	N CA BKR SIZE	111 A 107 A 101/01202245.01.Calcs and Support/01202245 IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE LUGS: TOP AIC RATING: 22,000A LOAD DESCRIPTION
STEM: 240/120V., 1P,3W EDER: SEE RISER DIAGRA TIONS: LOAD DESCRIPTION GARAGE DOOR	BKR SIZE 20		NOTE AF/G	DCATION: MAINS: WATTS 500	BASEI 200A N CCT NO.	MENT MCB PHASE A	CCT NO. 2	WATTS	NOTE	BKR POLE 1	N CA BKR SIZE 15	Í 11 A     Í 07 A       01\01202245.01.Calcs and Support\01202245       IEMA ENCLOSURE: 1       ABINET MOUNTING: SURFACE       LUGS: TOP       AIC RATING: 22,000A       LOAD DESCRIPTION       F-6
(STEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT	BKR SIZE 20 20		NOTE AF/G AF	DCATION: MAINS: WATTS 500 720	BASE 200A M CCT NO. 1 3	MENT MCB PHASE A C	CCT NO. 2 4	WATTS 1,913 1,784	NOTE	BKR POLE	N CA BKR SIZE	111 A 107 A 1\01202245.01.Calcs and Support\01202245 IEMA ENCLOSURE: 1 ABINET MOUNTING: SURFACE LUGS: TOP AIC RATING: 22,000A LOAD DESCRIPTION
(STEM: 240/120V., 1P,3W EDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1	BKR SIZE 20 20 20		NOTE AF/G AF AF	DCATION: MAINS: WATTS 500 720 1,200	BASE 200A M NO. 1 3 5	MENT MCB PHASE A C A	CCT NO. 2 4 6	WATTS 1,913 1,784 1,784	NOTE AF	BKR POLE 1 2	N CA BKR SIZE 15 30	Í 111 A     Í 07 A       01\01202245.01.Calcs and Support\01202245       IEMA ENCLOSURE:       ABINET MOUNTING:       SURFACE       LUGS:       TOP       AIC RATING:       LOAD DESCRIPTION       F-6       CU-6
(STEM: 240/120V., 1P,3W EDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME	BKR SIZE 20 20 20 20 20		NOTE AF/G AF AF AF	DCATION: MAINS: WATTS 500 720 1,200 900	BASE 200A N NO. 1 3 5 7	MENT MCB PHASE A C	CCT NO. 2 4 6 8	WATTS 1,913 1,784 1,784 200	NOTE	BKR POLE 1 2 1	N CA BKR SIZE 15 30 15	Í 111 A       Í 07 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE:         ABINET MOUNTING:         SURFACE         LUGS:         TOP         AIC RATING:         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1	BKR SIZE 20 20 20		NOTE AF/G AF AF AF AF	DCATION: MAINS: WATTS 500 720 1,200	BASE 200A M NO. 1 3 5	MENT MCB PHASE A C A	CCT NO. 2 4 6	WATTS 1,913 1,784 1,784	NOTE AF	BKR POLE 1 2	N CA BKR SIZE 15 30	Í 111 A     Í 07 A       01\01202245.01.Calcs and Support\01202245       IEMA ENCLOSURE:       ABINET MOUNTING:       SURFACE       LUGS:       TOP       AIC RATING:       LOAD DESCRIPTION       F-6       CU-6
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME	BKR SIZE 20 20 20 20 20		NOTE AF/G AF AF AF	DCATION: MAINS: WATTS 500 720 1,200 900	BASE 200A N NO. 1 3 5 7	MENT MCB PHASE A C A C	CCT NO. 2 4 6 8	WATTS 1,913 1,784 1,784 200	NOTE AF	BKR POLE 1 2 1	N CA BKR SIZE 15 30 15	Í 111 A       Í 07 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE:         ABINET MOUNTING:         SURFACE         LUGS:         TOP         AIC RATING:         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1	BKR SIZE 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF	DCATION: MAINS: WATTS 500 720 1,200 900 1,123	BASE 200A N CCT NO. 1 3 5 7 9	MENT MCB PHASE A C A C A	CCT NO. 2 4 6 8 10	WATTS 1,913 1,784 1,784 200 2,000	NOTE AF	BKR POLE 1 2 1	N CA BKR SIZE 15 30 15	Í 111 A       Í 07 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE:         ABINET MOUNTING:         SURFACE         LUGS:         TOP         AIC RATING:         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT	BKR SIZE 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF	DCATION: MAINS: WATTS 500 720 1,200 900 1,123 1,500 1,500	BASE 200A M NO. 1 3 5 7 9 11 13	MENT MCB PHASE A C A C A C A	CCT NO. 2 4 6 8 10 12 14	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000	NOTE AF AF AF	BKR POLE 1 2 1 2	N CA SIZE 15 30 15 30 20	Í 111 A       Í 07 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE:         ABINET MOUNTING:         SURFACE         LUGS:         TOP         AIC RATING:         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF	DCATION: MAINS: WATTS 500 720 1,200 900 1,123 1,500 1,500 900	BASE 200A 1 200A 1 1 3 5 7 9 11 13 15	MENT MCB PHASE A C A C A C A C	CCT NO. 2 4 6 8 10 12 14 16	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900	NOTE AF AF AF/G AF	BKR POLE 1 2 1 2 1 2	N CA BKR SIZE 15 30 15 30 20 20	Í 111 A       Í 07 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE:         ABINET MOUNTING:         SURFACE         LUGS:         TOP         AIC RATING:         22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A N 200A N 1 3 5 7 9 11 13 15 17	MENT MCB PHASE A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900 796	NOTE AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1	N CA SIZE 15 30 15 30 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF	DCATION: MAINS: WATTS 500 720 1,200 900 1,123 1,500 1,500 900	BASE 200A N 200A N 1 3 5 7 9 11 13 15 17 19	MENT MCB PHASE A C A C A C A C A C A C	CCT NO. 2 4 6 8 10 12 14 16 18 20	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900	NOTE AF AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 2	N CA SIZE 15 30 15 30 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A M 200A M 1 3 5 7 9 11 13 15 17 19 21	MENT MCB PHASE A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 15 17 19 21 23	MENT MCB PHASE A C A C A C A C A C A C A C A C	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24	WATTS 1,913 1,784 1,784 200 2,000 2,000 2,000 1,000 900 796	NOTE AF AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA SIZE 15 30 15 30 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 15 17 19 21 23 25	MENT MCB PHASE A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 15 17 19 21 23 25 27	MENT MCB PHASE A C A C A C A C A C A C A C A C A C C A C C A C C C C C C C C C C C C C C C C C C C C	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 15 17 19 21 23 25 27	MENT MCB PHASE A C A C A C A C A C A C A C A C A C C A C C A C C C C C C C C C C C C C C C C C C C C	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 15 7 9 11 13 15 17 19 21 23 25 27 29 31 33	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202243         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 21 23 25 27 29 31 33 35 37 39	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\0120224         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 15 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202243         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 21 23 25 27 29 31 33 35 37 39	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202243         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202243         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: 500 720 1,200 900 1,123 1,500 1,500 900 804 500	BASE 200A 1 200A 1 1 3 5 7 9 11 13 5 7 9 11 13 15 17 19 21 23 25 27 29 31 25 27 29 31 33 35 37 39 41 43	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42 44	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\0120224         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         BATHROOM RCPT
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: WATTS 500 720 1,200 900 1,123 1,500 1,500 900 804 500 804 500	BASE 200A 1 CCT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 SE A :	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42 44 W	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\01202245         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         SPARE         BATHROOM RCPT         FULLY BUSSED SPACE         CONNECTED       DEMAND
YSTEM: 240/120V., 1P,3W EEDER: SEE RISER DIAGRA PTIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: WATTS 500 720 1,200 900 1,123 1,500 1,500 900 804 500 804 500	BASE 200A 1 CCT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 SE A :	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42 44 W	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943	NOTE AF AF AF AF AF AF	BKR POLE 1 2 1 2 1 1 1 1 1 1	N CA BKR SIZE 15 30 15 30 20 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\0120224         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         WASHER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         SPARE         BATHROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         SPARE         BATHROOM RCPT         FULLY BUSSED SPACE         CONNECTED       DEMAND         23,688 W       23,316 W
STEM: 240/120V., 1P,3W EDER: SEE RISER DIAGRA TIONS: LOAD DESCRIPTION GARAGE DOOR GARAGE/EXTERIOR RCPT BASEMENT RCPT/SE-1 DINING/ENTRY RCPT/CHIME LIVING/BATH RCPT/EF-1 ISLAND/DISPOSAL RCPT KITCHEN/RANGE RCPT FRIDGE RCPT BASEMENT/FIRST FLOOR/EXT. LTG DISHWASHER SPARE SPARE	BKR SIZE 20 20 20 20 20 20 20 20 20 20 20 20 20		NOTE AF/G AF AF AF AF AF AF AF AF AF AF	DCATION: MAINS: WATTS 500 720 1,200 900 1,123 1,500 1,500 900 804 500 804 500	BASE 200A 1 CCT NO. 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 SE A :	MENT MCB PHASE A C A C A C A C A C A C A C A C A C A	CCT NO. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 24 26 28 30 32 34 36 38 40 42 44 W W	WATTS 1,913 1,784 1,784 200 2,000 2,000 1,000 900 796 943 720	NOTE AF AF AF AF AF	BKR POLE 1 2 1 1 2	N CA SIZE 15 30 15 30 20 20 20 20 20 20	111 A       107 A         01\01202245.01.Calcs and Support\0120224         IEMA ENCLOSURE: 1         ABINET MOUNTING: SURFACE         LUGS: TOP         AIC RATING: 22,000A         LOAD DESCRIPTION         F-6         CU-6         WH-1/RP-1         DRYER         MASTER BEDROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         SPARE         BATHROOM RCPT         HALL RCPT/2ND FL LTG/EF-3,4         BEDROOM #2 RCPT/EF-2         SPARE         BATHROOM RCPT         FULLY BUSSED SPACE         CONNECTED       DEMAND

## ELECTRICAL SERVICE LOAD SUMMARY

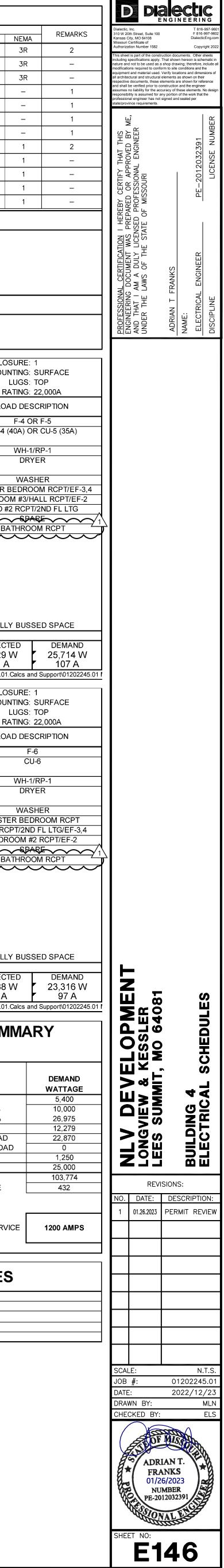
LOAD DESCRIPTION	CONNECTED WATTAGE	DEMAND FACTOR
LIGHTING	4,320	125%
RECEPTACLES	63,950	1ST 10KW @ 100%
		REMAINING @ 50%
CONTINUOUS MOTORS	9,823	125%
AIR CONDITIONING *	22,870	100% FULL A/C LOAD
HEATING *	0	0% FULL HEATING LOAD
CONTINUOUS WATER HEATER	1,000	125%
MISCELLANEOUS	25,000	100%
		TOTAL WATTS
		TOTAL AMPERAGE

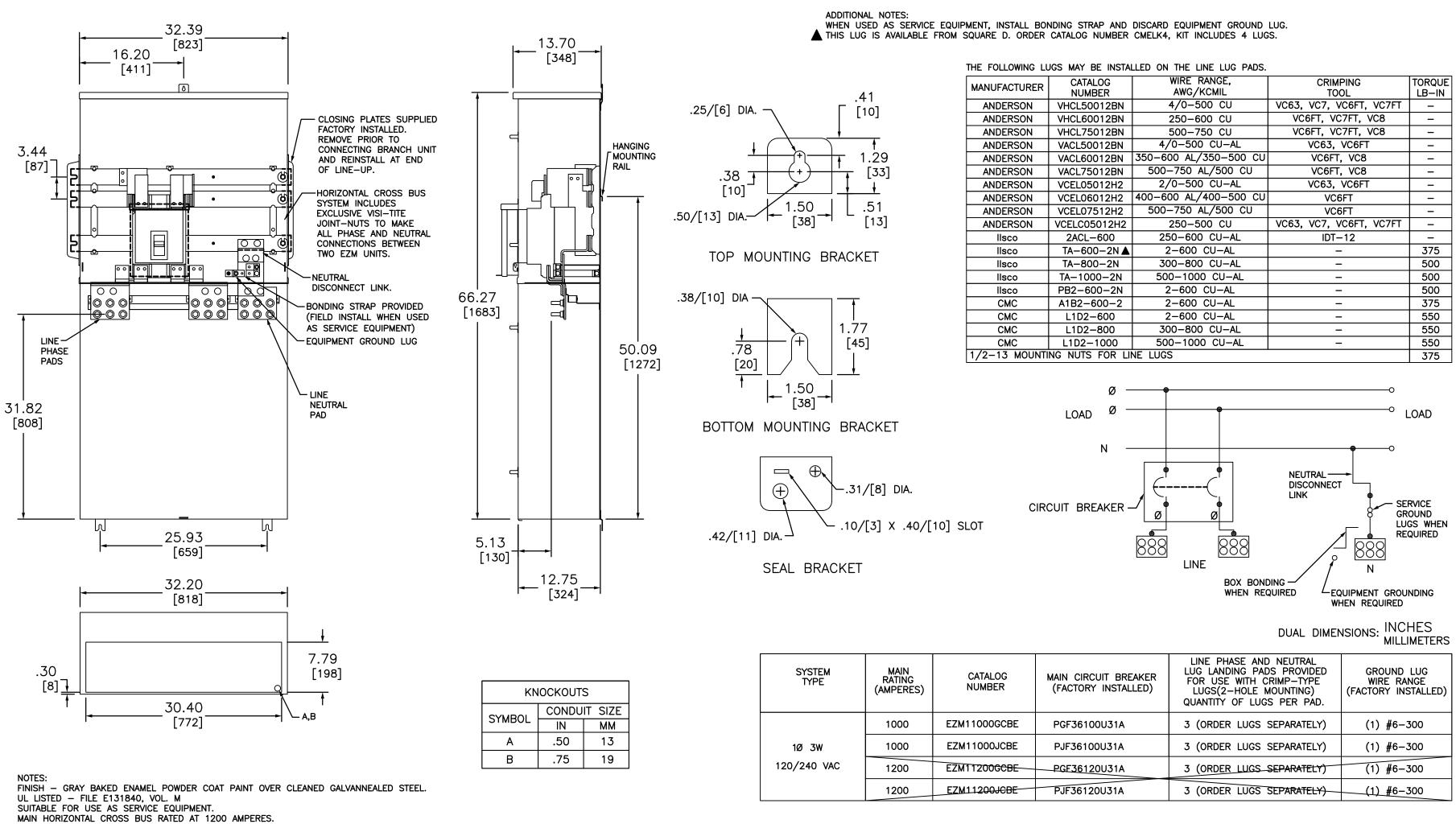
NOTES: * USE GREATER LOAD OF THE TWO CATEGORIES

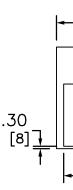
REQUIRED ELECTRICAL SERVICE

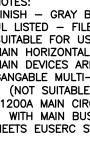
## PANEL SCHEDULE NOTES

General	General Notes:								
	BALANCE PANELS WITHIN 10% PHASE TO PHASE.								
Circuit Ke	Circuit Key Notes:								
G	GROUND FAULT CIRCUIT INTERUPTING BREAKER								
AF	ARC FAULT CIRCUIT INTERUPTING BREAKER								





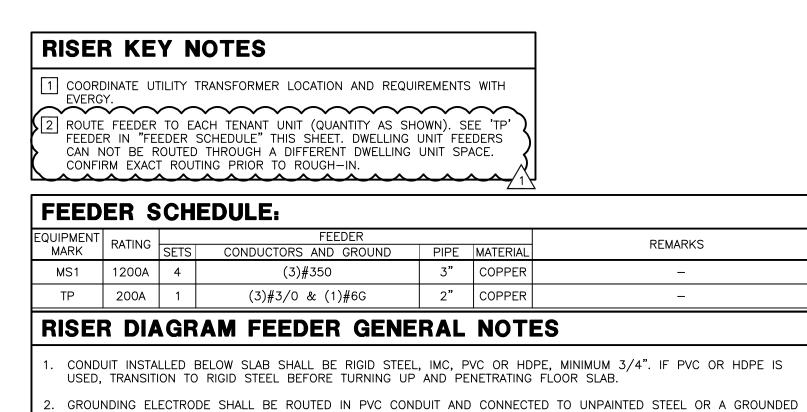




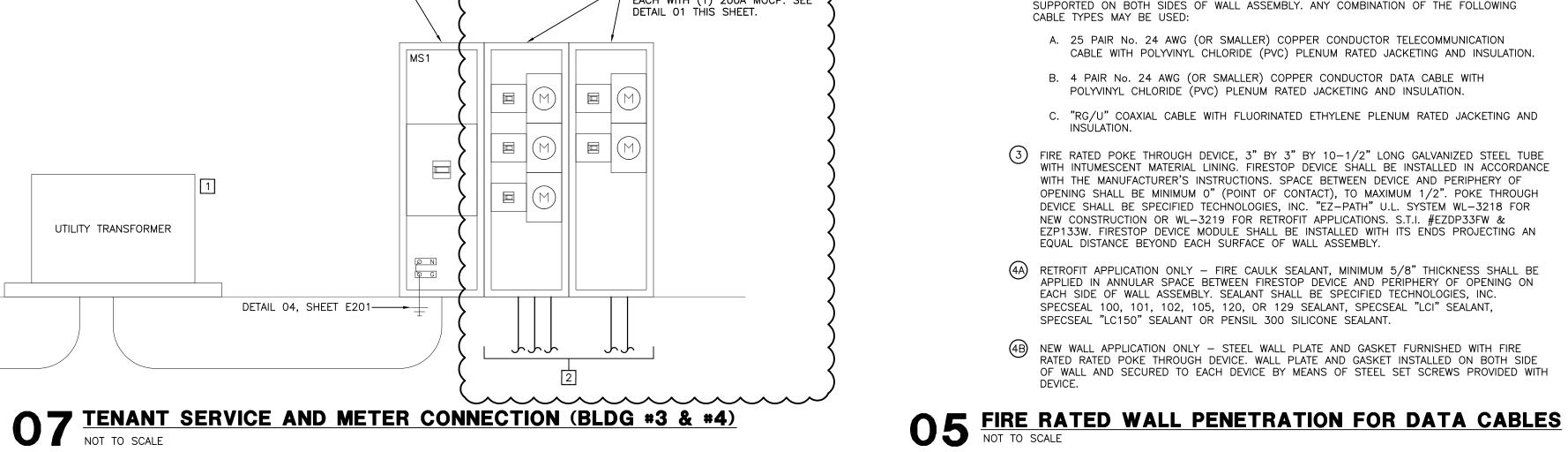
PROV DISCC

UTILITY TRANSF

# 06 TENA NOT TO S



COLD WATER PIPE.

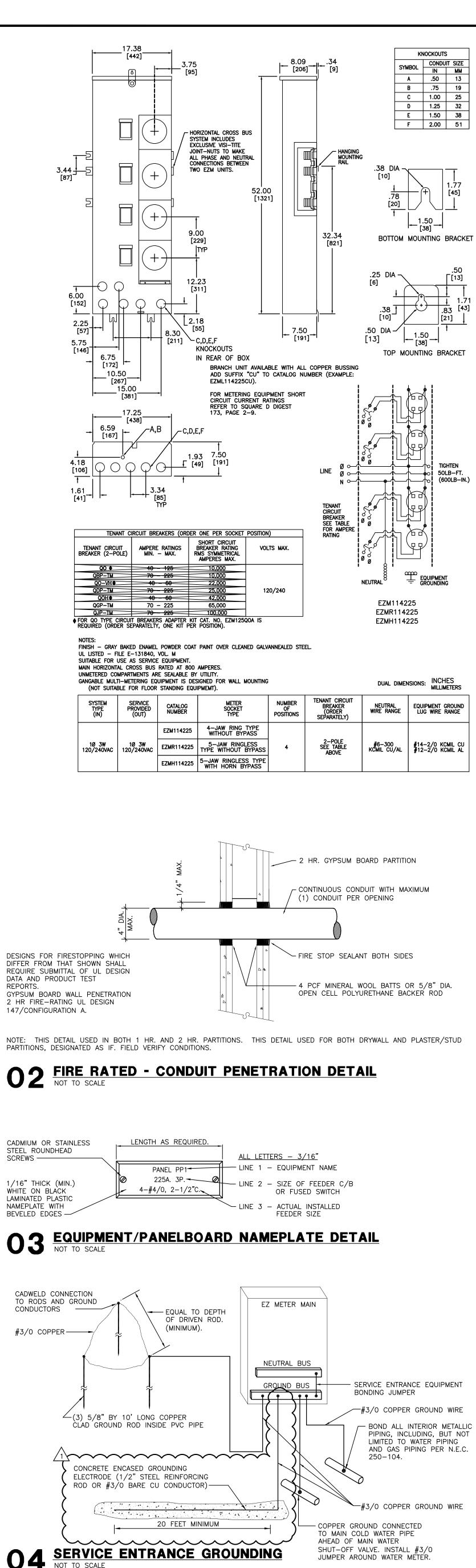


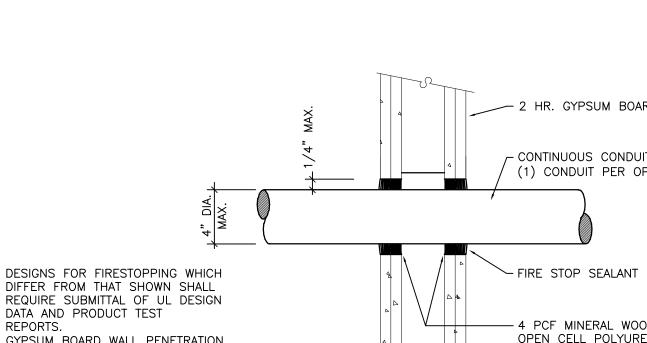
- MAIN DEVICES ARE SEALABLE BY UTILITY.
- GANGABLE MULTI-METERING EQUIPMENT IS DESIGNED FOR WALL MOUNTING ONLY. (NOT SUITABLE FOR FLOOR STANDING EQUIPMENT.) *1200A MAIN CIRCUIT BREAKER MUST BE CENTER MOUNTED WHEN USED WITH BRANCH DEVICES

WITH MAIN BUS RATED 800A. MEETS EUSERC STANDARDS FOR WEST COAST BASED UTILITIES.

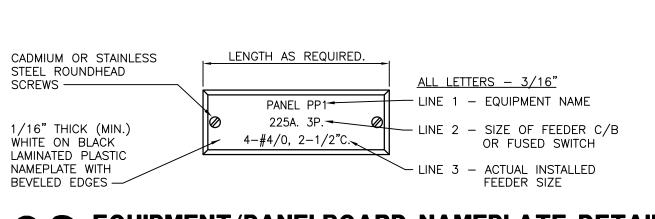
1 OK	ML31	COASI	DAJLD	UTILITILS.

ROVIDE 120/240V 1-PHASE 3-WIRE		O1 EZ METER MAIN AND BRANCH UNIT
ROVIDE 120/240V, 1–PHASE, 3–WIRE ISCONNECT. SEE DETAIL 04 THIS SHE	EET. PROVIDE (4) BANK METER SECTION, EACH WITH (1) 200A MOCP. SEE DETAIL 01 THIS SHEET. MS1 MS1 MS1 MS1 MS1 MS1	
1 NSFORMER		$ \mathbf{A} $ $ (3) (4B) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4$
	HEET E201 2 D METER CONNECTION (BLDG #1 & #2)	
O SCALE PROVIDE 120/240V, 1-PHASE, 3-WI DISCONNECT. SEE DETAIL 04 THIS SF	IRE, 1200A MAIN HEET.	A SECTION A-A
FOR BUILDINGS WITH LESS THAN (6) MAY BE REMOVED IF ALLOWED BY UT WIREWAY AND GROUNDING CONNECTIO REQUIREMENTS.	) UNITS, MOCP ITILITY. PROVIDE	<ul> <li>1 OR 2 HOUR FIRE-RATED GYPSUM BOARD WALL ASSEMBLY.</li> <li>2 DATA/COMMUNICATION CABLES PASSING THROUGH FIRESTOP DEVICE. CABLE MAY OCCUPY FROM 0 TO 100 PERCENT VISUAL FILL. CABLE FILL SHALL BE DISTRIBUTED AT UNIFORM HEIGHT ACROSS WIDTH OF FIRESTOP DEVICE MODULE. CABLES SHALL BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING CABLE TYPES MAY BE USED:</li> <li>A. 25 PAIR No. 24 AWG (OR SMALLER) COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH POLYVINYL CHLORIDE (PVC) PLENUM RATED JACKETING AND INSULAT</li> </ul>

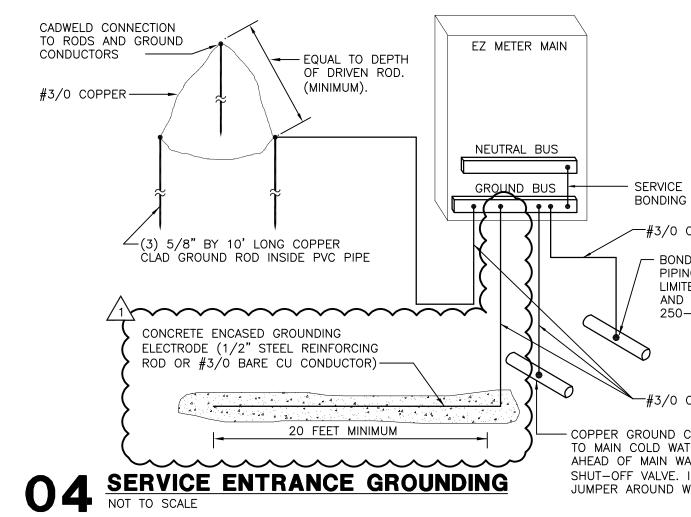




DATA AND PRODUCT TEST REPORTS. GYPSUM BOARD WALL PENETRATION 2 HR FIRE-RATING UL DESIGN 147/CONFIGURATION A.



# 03 EQUIPMENT/PANELBOARD NAMEPLATE DETAIL NOT TO SCALE



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## SECTION A-A

AWG (OR SMALLER) COPPER CONDUCTOR TELECOMMUNICATION LYVINYL CHLORIDE (PVC) PLENUM RATED JACKETING AND INSULATION. B. 4 PAIR No. 24 AWG (OR SMALLER) COPPER CONDUCTOR DATA CABLE WITH

POLYVINYL CHLORIDE (PVC) PLENUM RATED JACKETING AND INSULATION. C. "RG/U" COAXIAL CABLE WITH FLUORINATED ETHYLENE PLENUM RATED JACKETING AND

(3) FIRE RATED POKE THROUGH DEVICE, 3" BY 3" BY 10-1/2" LONG GALVANIZED STEEL TUBE WITH INTUMESCENT MATERIAL LINING. FIRESTOP DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SPACE BETWEEN DEVICE AND PERIPHERY OF OPENING SHALL BE MINIMUM O" (POINT OF CONTACT), TO MAXIMUM 1/2". POKE THROUGH DEVICE SHALL BE SPECIFIED TECHNOLOGIES, INC. "EZ-PATH" U.L. SYSTEM WL-3218 FOR NEW CONSTRUCTION OR WL-3219 FOR RETROFIT APPLICATIONS. S.T.I. #EZDP33FW & EZP133W. FIRESTOP DEVICE MODULE SHALL BE INSTALLED WITH ITS ENDS PROJECTING AN EQUAL DISTANCE BEYOND EACH SURFACE OF WALL ASSEMBLY.

(4A) RETROFIT APPLICATION ONLY - FIRE CAULK SEALANT, MINIMUM 5/8" THICKNESS SHALL BE APPLIED IN ANNULAR SPACE BETWEEN FIRESTOP DEVICE AND PERIPHERY OF OPENING ON EACH SIDE OF WALL ASSEMBLY. SEALANT SHALL BE SPECIFIED TECHNOLOGIES, INC. SPECSEAL 100, 101, 102, 105, 120, OR 129 SEALANT, SPECSEAL "LCI" SEALANT, SPECSEAL "LC150" SEALANT OR PENSIL 300 SILICONE SEALANT.

(4B) NEW WALL APPLICATION ONLY – STEEL WALL PLATE AND GASKET FURNISHED WITH FIRE RATED RATED POKE THROUGH DEVICE. WALL PLATE AND GASKET INSTALLED ON BOTH SIDE OF WALL AND SECURED TO EACH DEVICE BY MEANS OF STEEL SET SCREWS PROVIDED WITH

