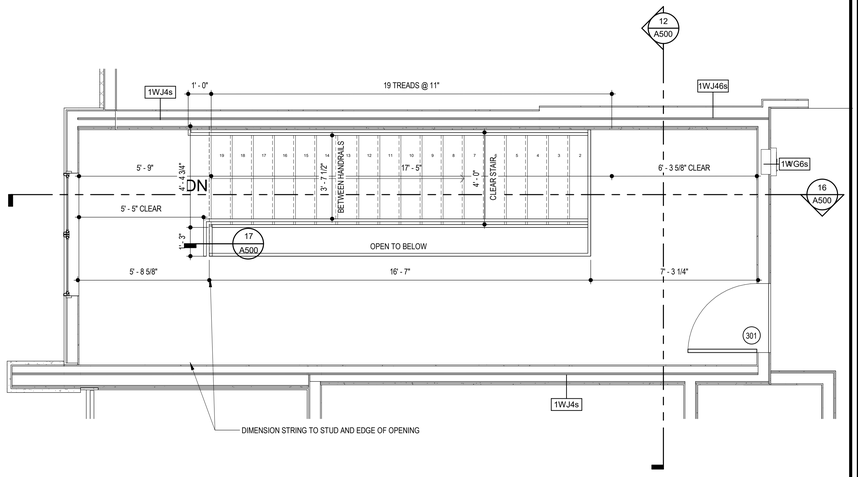
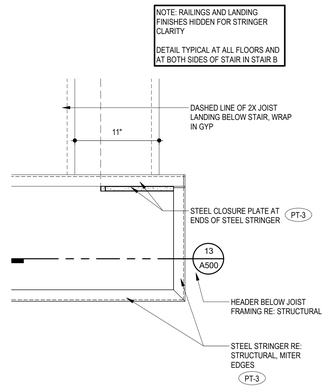


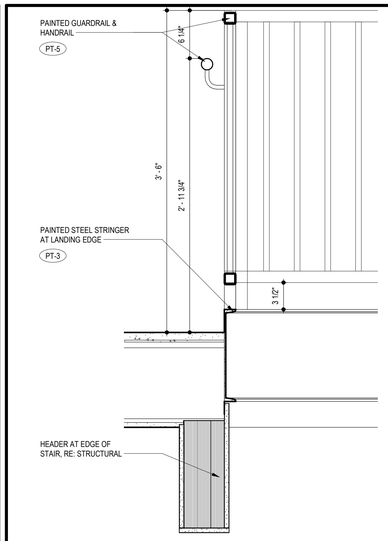
1 BLDG 1 - STAIR A THIRD FLOOR PLAN

SCALE: 3/8" = 1'-0"



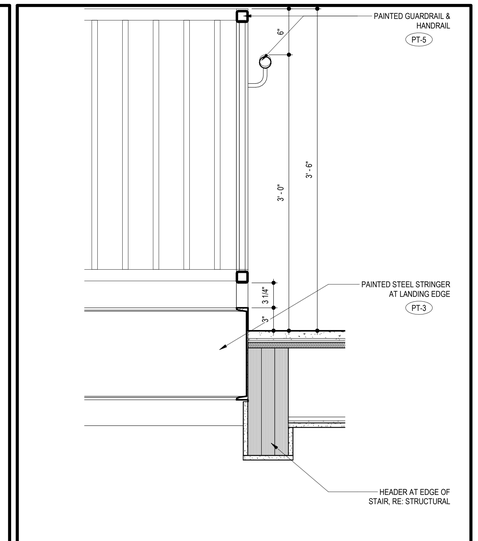
9 BLDG 1 - STAIR A STRINGER PLAN @ DROP PSL

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



13 BLDG 1 - STAIR A STRINGER SECTION @ DROP PSL

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



17 BLDG 1 STAIR A - SECTION 4

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

3 BLDG 1 - STAIR A SECOND FLOOR PLAN

SCALE: 3/8" = 1'-0"

4 BLDG 1 - STAIR A FIRST FLOOR PLAN

SCALE: 3/8" = 1'-0"

12 BLDG 1 - STAIR A SECTION 1

SCALE: 3/8" = 1'-0"

16 BLDG 1 - STAIR A SECTION 2

SCALE: 3/8" = 1'-0"

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SM ENGINEERING — CIVIL ENGINEER
BRINKMANN CONSTRUCTORS — GENERAL CONTRACTOR
LATIMER SOMMERS & ASSOCIATES — MECHANICAL ENGINEER
LATIMER SOMMERS & ASSOCIATES — PLUMBING ENGINEER
LATIMER SOMMERS & ASSOCIATES — ELECTRICAL ENGINEER

STATE OF MISSOURI — JOSHUA M. KOLKMEYER — NUMBER A-2010041 — REGISTERED ARCHITECT

2.11.2022

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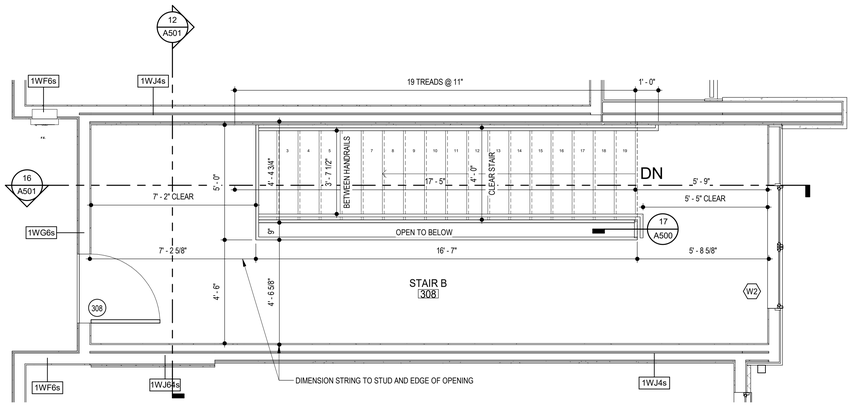
3	Revision 1	2.11.2022

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TR.i PROJECT NO. 20-001

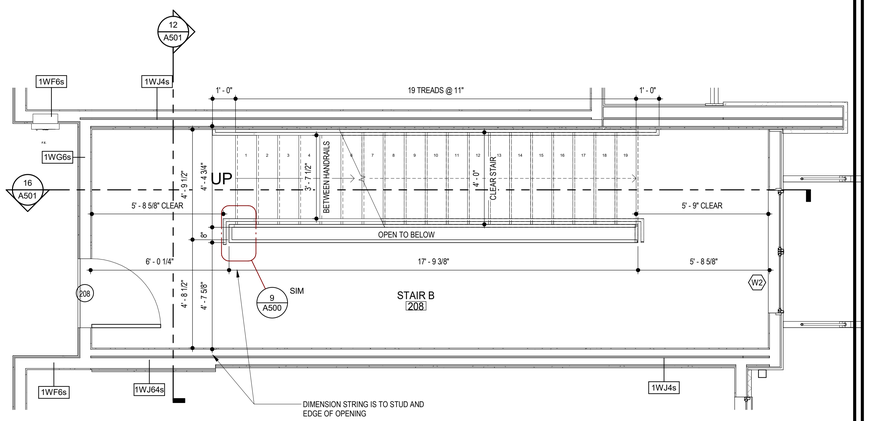
SHEET NO. A500

BLDG 1 STAIR A - PLAN & SECTIONS



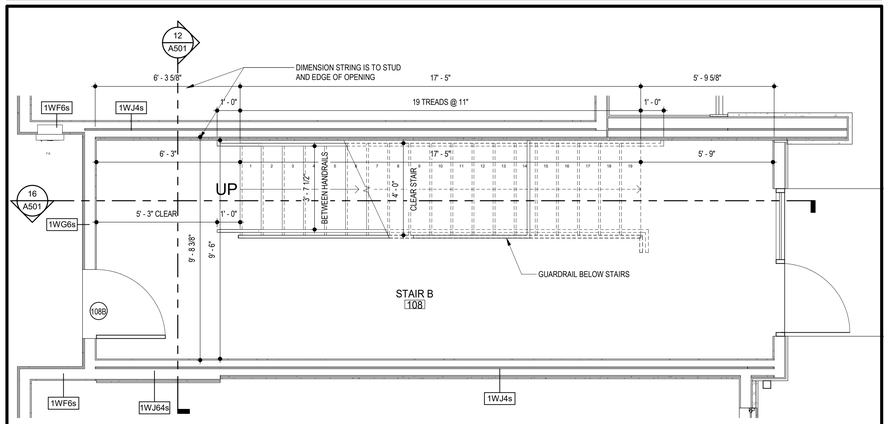
1 BLDG 1 - STAIR B THIRD FLOOR PLAN

SCALE: 3/8" = 1'-0"



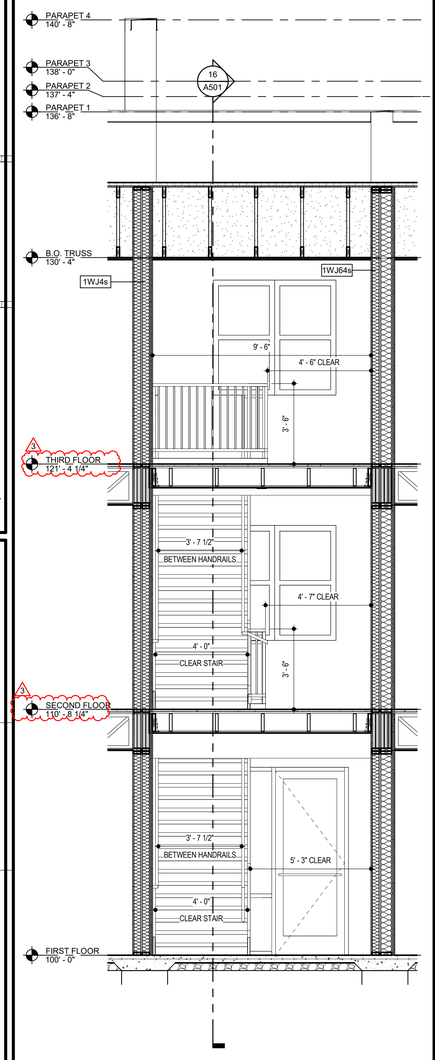
3 BLDG 1 - STAIR B SECOND FLOOR PLAN

SCALE: 3/8" = 1'-0"



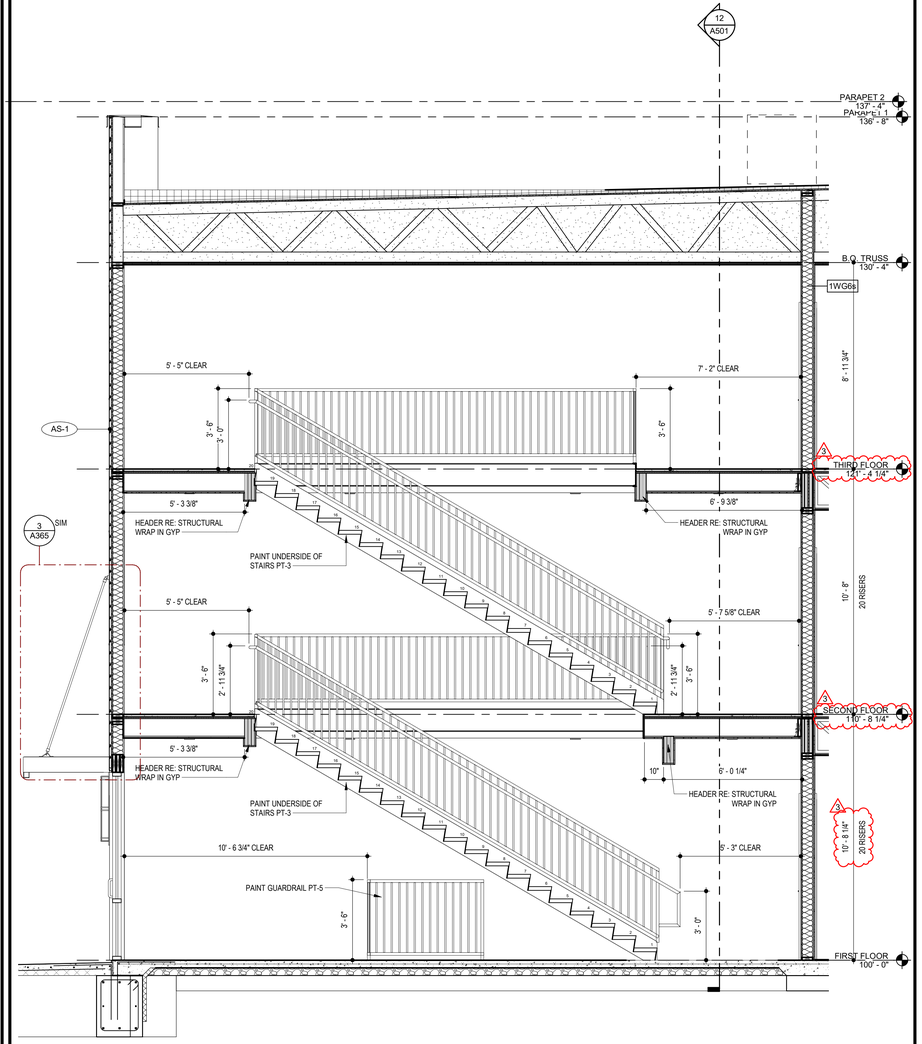
4 BLDG 1 - STAIR B FIRST FLOOR PLAN

SCALE: 3/8" = 1'-0"



12 BLDG 1 - STAIR B SECTION 1

SCALE: 3/8" = 1'-0"



16 BLDG 1 - STAIR B SECTION 2

SCALE: 3/8" = 1'-0"

STATE OF MISSOURI
JOSEPH
MICHAEL
KOSTELNIK
2014038104
REGISTERED ARCHITECT

2.11.2022

TR¡ ARCHITECTS	ARCHITECT
BOB D CAMPBELL & COMPANY	STRUCTURAL ENGINEER
SM ENGINEERING	CIVIL ENGINEER
BRINKMANN CONSTRUCTORS	GENERAL CONTRACTOR
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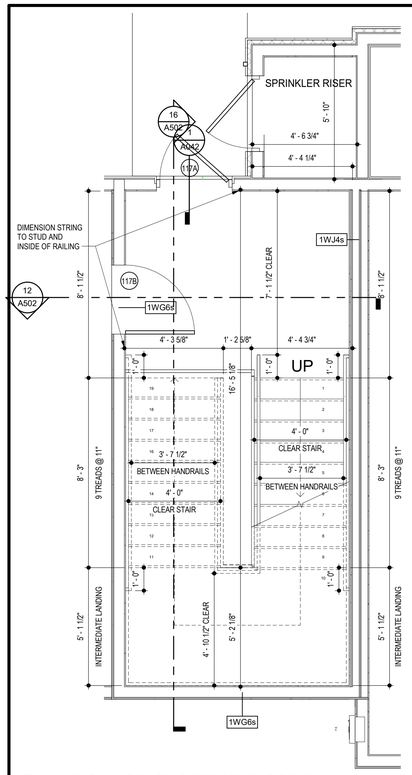
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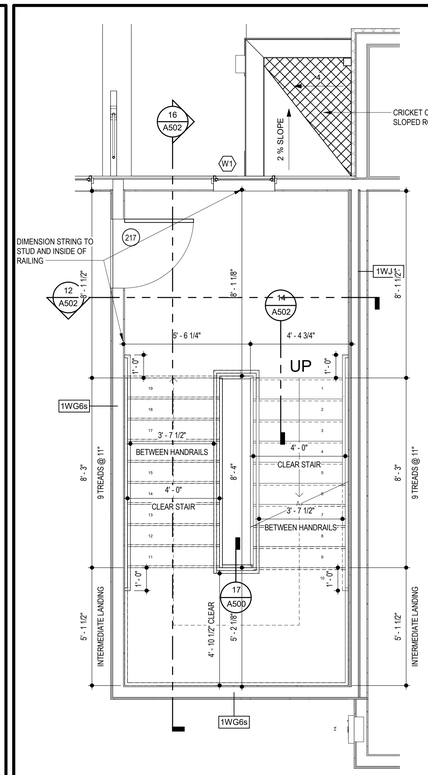
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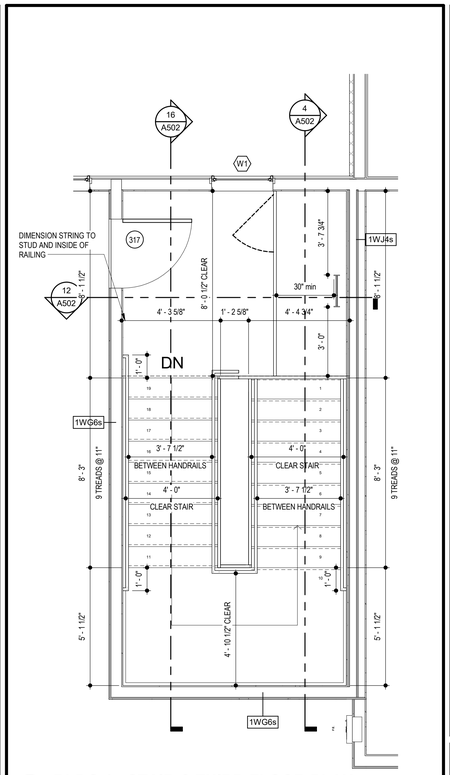
BLDG 1 STAIR B - PLAN & SECTIONS



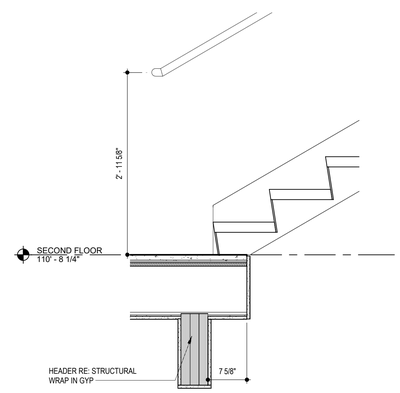
2 BLDG 1 - STAIR C FIRST FLOOR PLAN
SCALE: 3/8" = 1'-0"



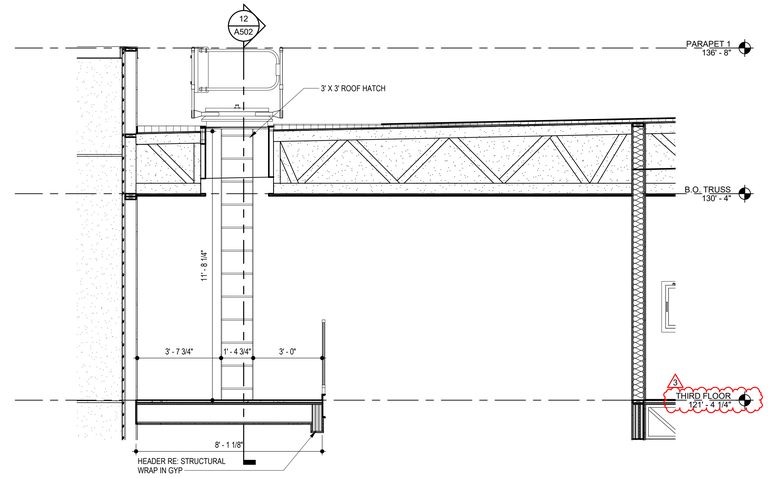
6 BLDG 1 - STAIR C SECOND FLOOR PLAN
SCALE: 3/8" = 1'-0"



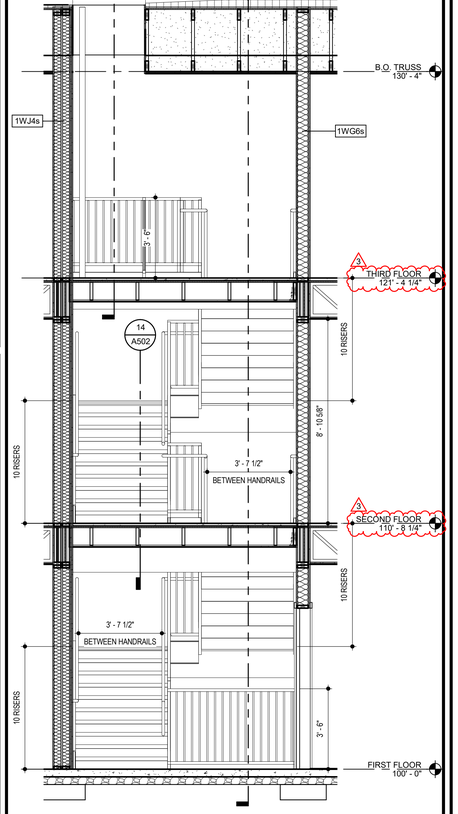
10 BLDG 1 - STAIR C THIRD FLOOR PLAN
SCALE: 3/8" = 1'-0"



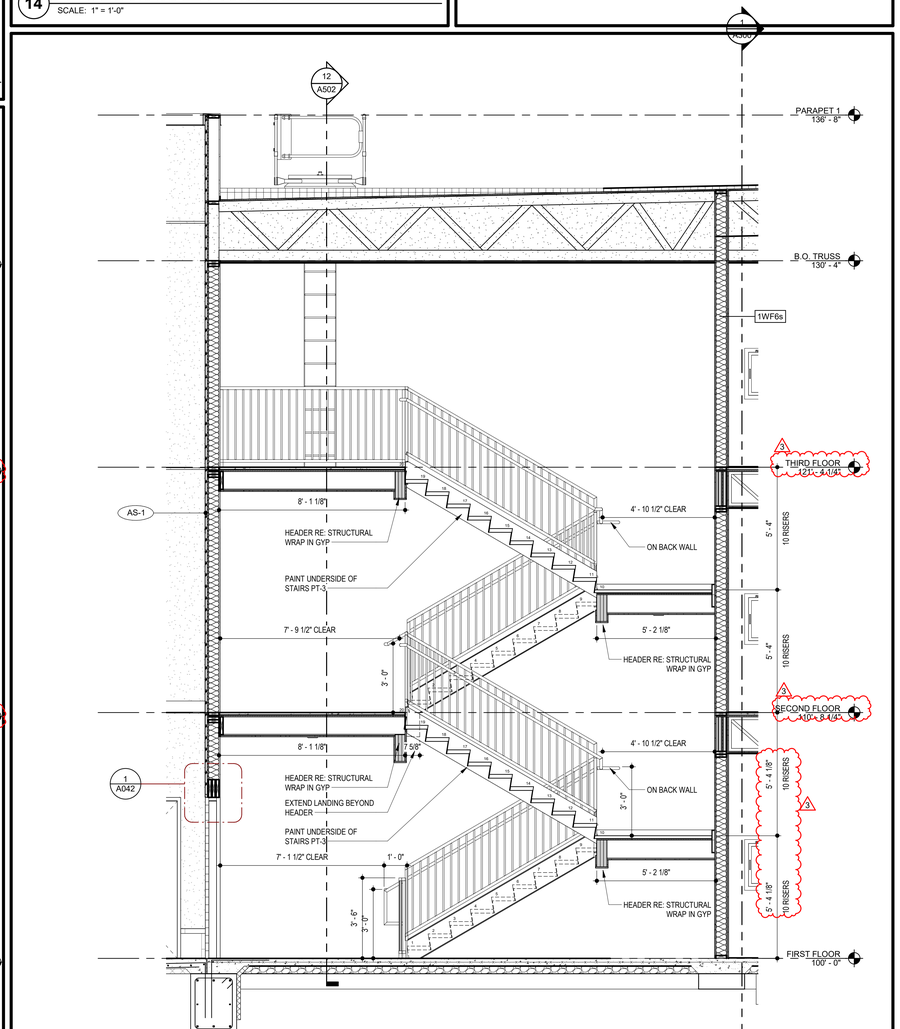
14 BLDG 1 STAIR C - SECTION 3
SCALE: 1" = 1'-0"



4 BLDG 1 - STAIR C ROOF HATCH SECTION
SCALE: 3/8" = 1'-0"



12 BLDG 1 - STAIR C SECTION 1
SCALE: 3/8" = 1'-0"



16 BLDG 1 - STAIR C SECTION 2
SCALE: 3/8" = 1'-0"

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LATIMER SOMMERS & ASSOCIATES
ARCHITECT
STRUCTURAL ENGINEER
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3	Revision 1	2.11.2022

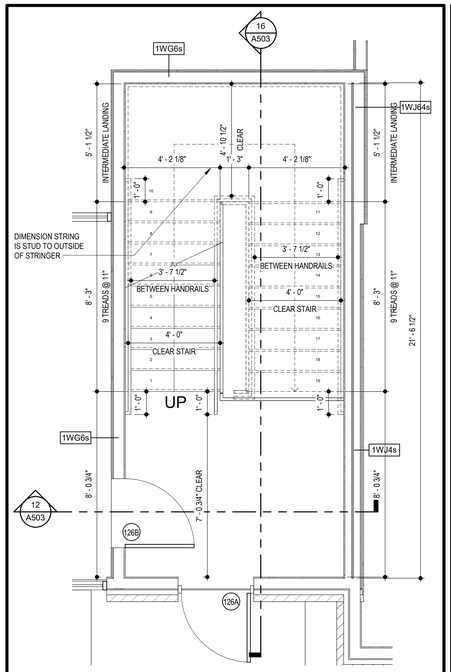
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SHEET NO.

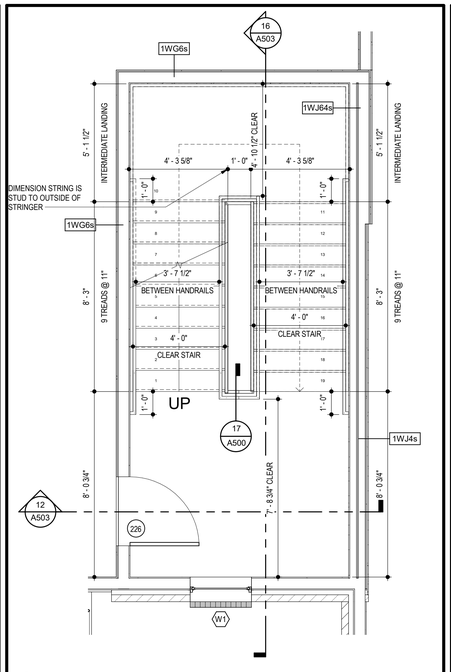
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BLDG 1 STAIR C - PLAN & SECTIONS



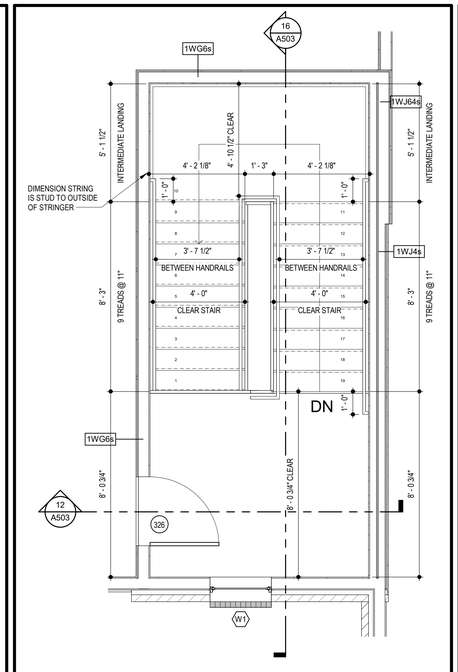
2 BLDG 1 - STAIR D FIRST FLOOR PLAN

SCALE: 3/8" = 1'-0"



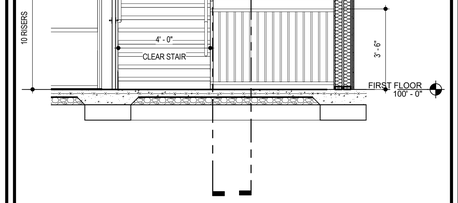
6 BLDG 1 - STAIR D SECOND FLOOR PLAN

SCALE: 3/8" = 1'-0"



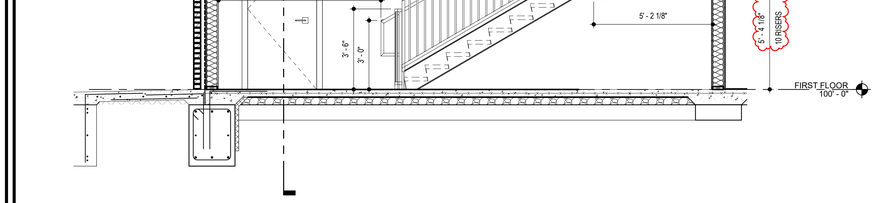
10 BLDG 1 - STAIR D THIRD FLOOR PLAN

SCALE: 3/8" = 1'-0"



12 BLDG 1 - STAIR D SECTION 1

SCALE: 3/8" = 1'-0"



16 BLDG 1 - STAIR D SECTION 2

SCALE: 3/8" = 1'-0"

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LATIMER SOMMERS & ASSOCIATES — PLUMBING ENGINEER
LATIMER SOMMERS & ASSOCIATES — ELECTRICAL ENGINEER

STATE OF MISSOURI — JOSEPH MICHAEL SCHWARTZ — NUMBER A-2010014 — REGISTERED ARCHITECT

2.11.2022

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REVISIONS 4

3 Revision 1 2.11.2022

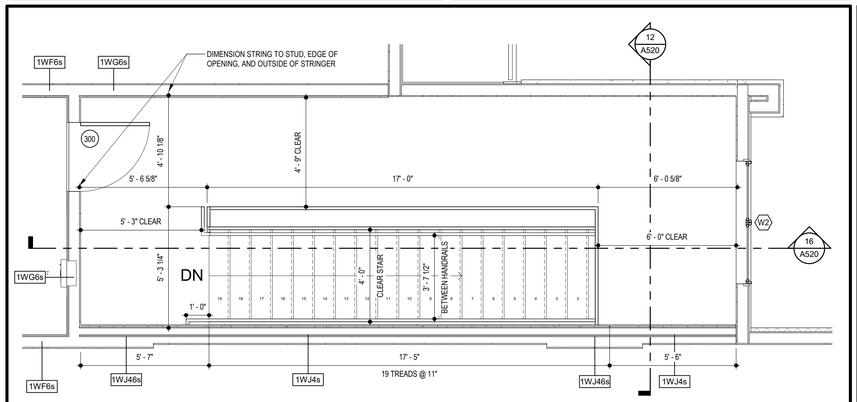
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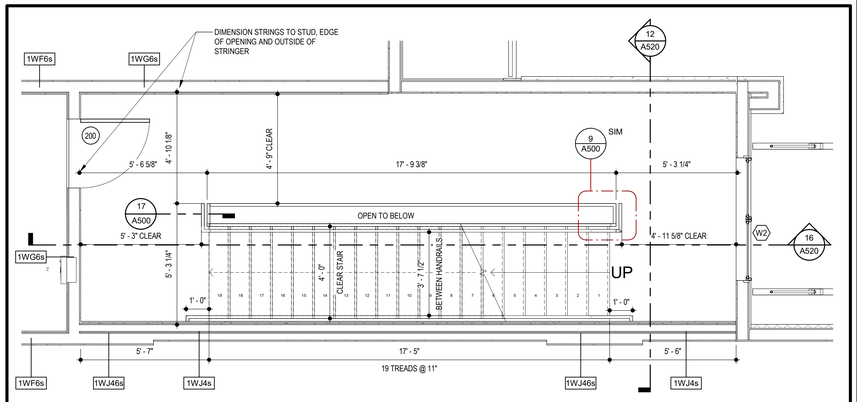
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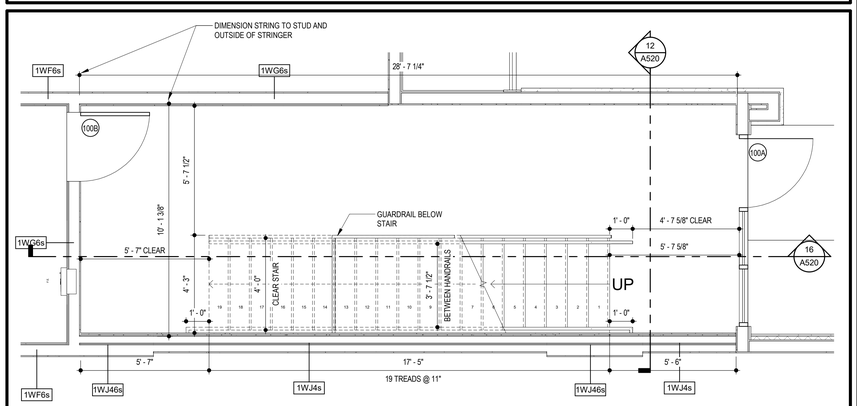
BLDG 1 STAIR D - PLAN & SECTIONS



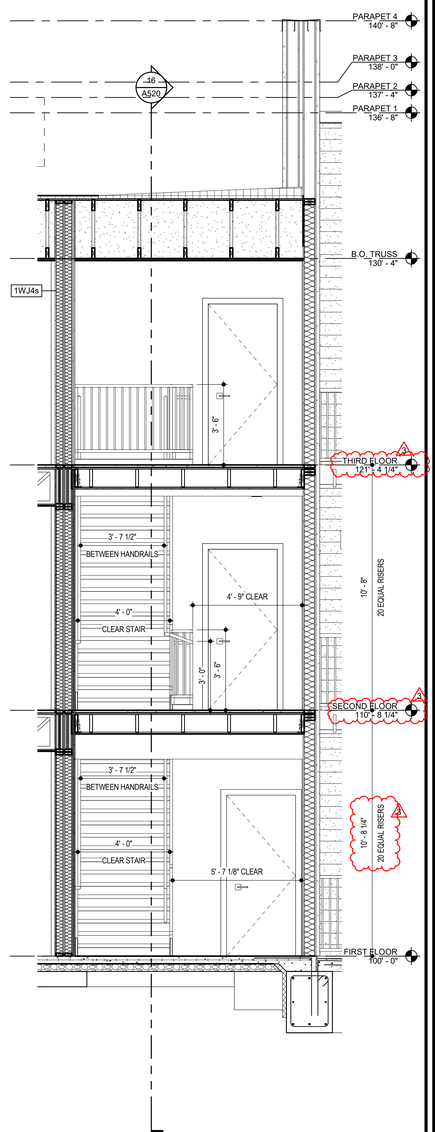
2 BLDG 2 - STAIR A THIRD FLOOR PLAN
SCALE: 3/8" = 1'-0"



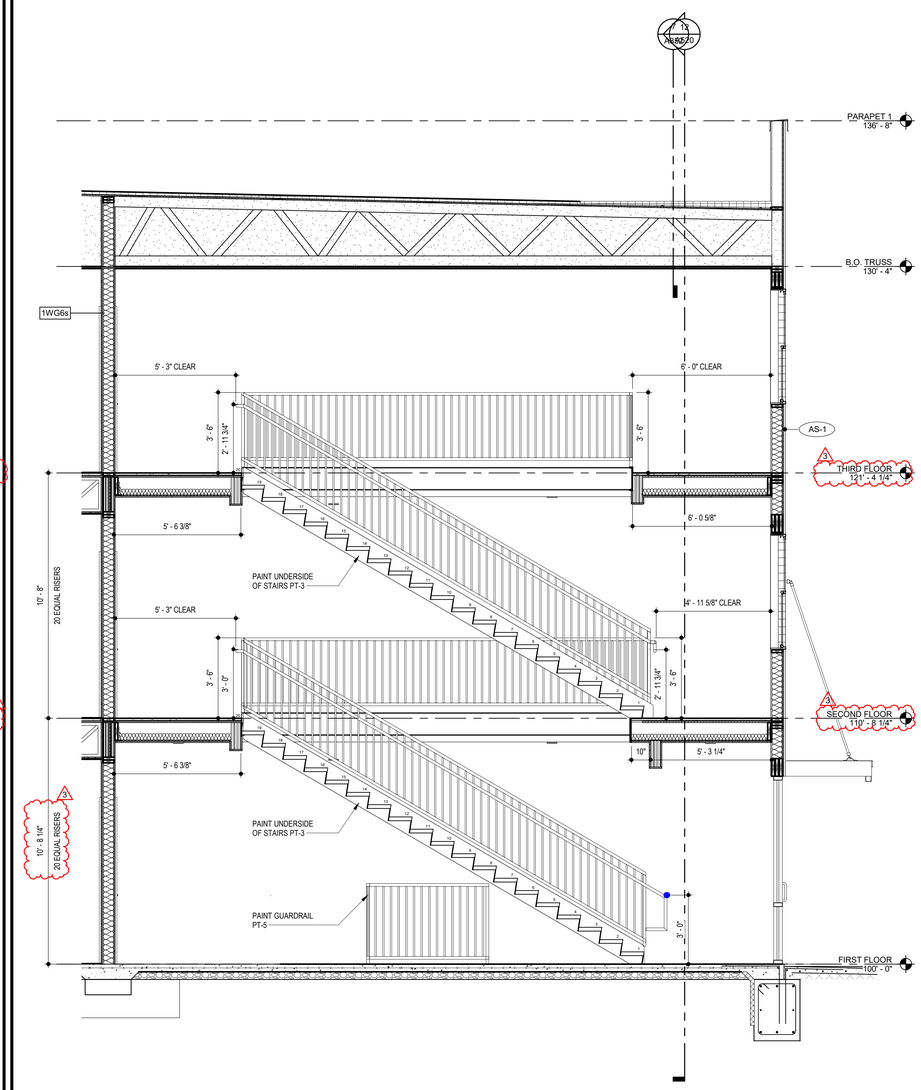
3 BLDG 2 - STAIR A SECOND FLOOR PLAN
SCALE: 3/8" = 1'-0"



4 BLDG 2 - STAIR A FIRST FLOOR PLAN
SCALE: 3/8" = 1'-0"



12 BLDG 2 - STAIR A SECTION 1
SCALE: 3/8" = 1'-0"



16 BLDG 2 - STAIR A SECTION 2
SCALE: 3/8" = 1'-0"

STATE OF MISSOURI
RICHARD K. SMITH
NUMBER A-6010143
REGISTERED ARCHITECT
2.11.2022

TR¡ ARCHITECTS	ARCHITECT
BOB D CAMPBELL & COMPANY	STRUCTURAL ENGINEER
SM ENGINEERING	CIVIL ENGINEER
BRINKMANN CONSTRUCTORS	GENERAL CONTRACTOR
LATIMER SOMMERS & ASSOCIATES	MECHANICAL ENGINEER
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3	Revision 1	2.11.2022

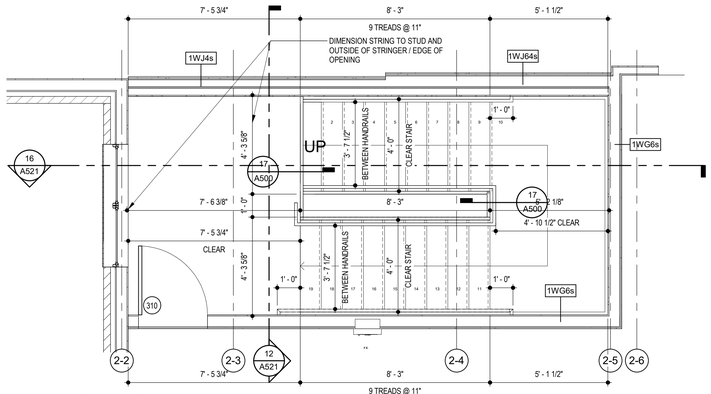
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SHEET NO.

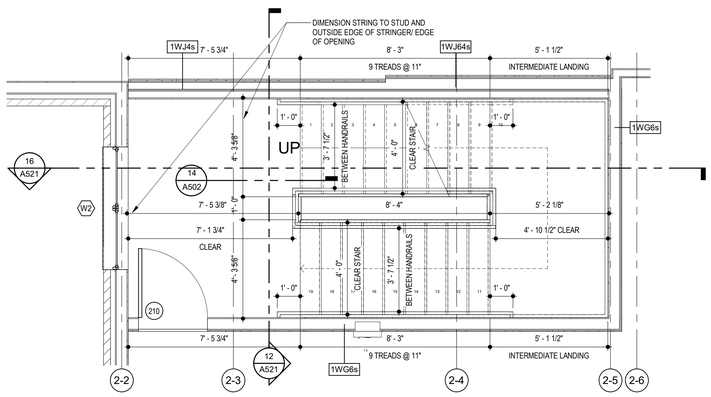
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BLDG 2 STAIR A - PLAN & SECTIONS



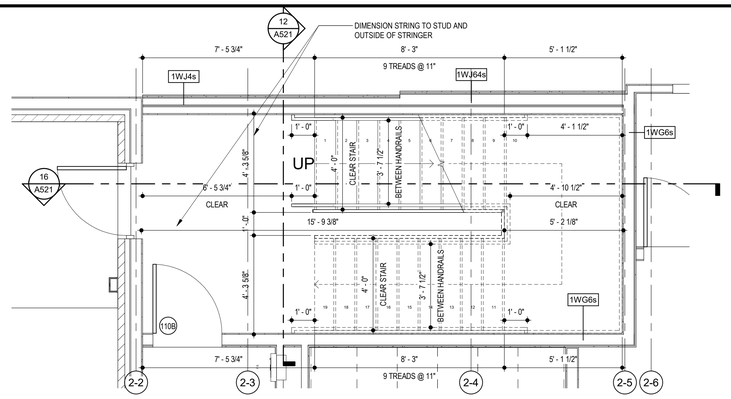
2 BLDG 2 - STAIR B THIRD FLOOR PLAN

SCALE: 3/8" = 1'-0"



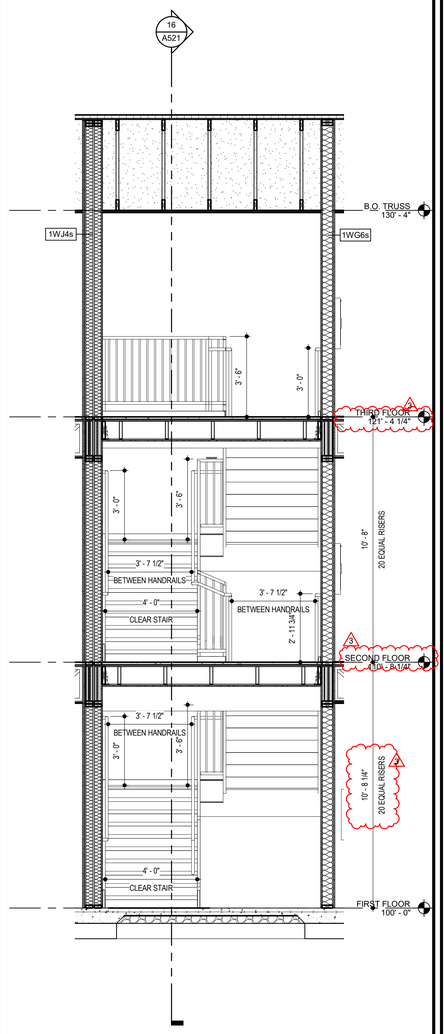
3 BLDG 2 - STAIR B SECOND FLOOR PLAN

SCALE: 3/8" = 1'-0"



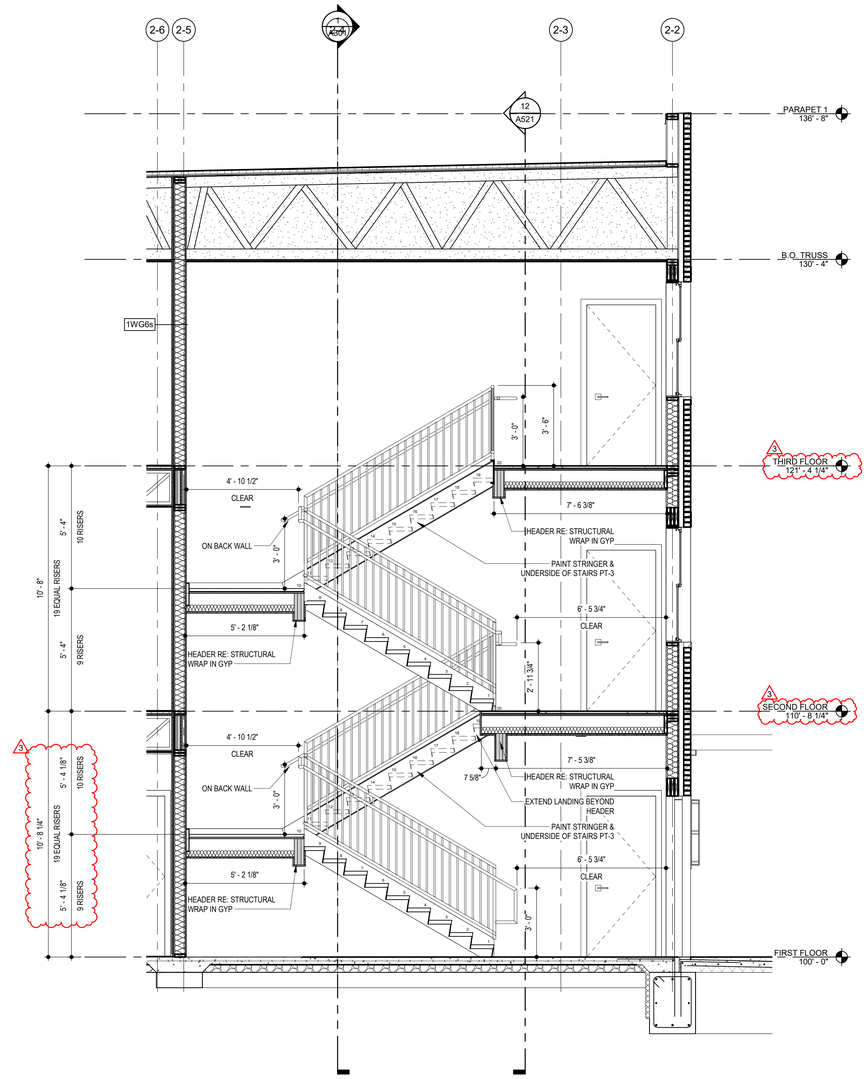
4 BLDG 2 - STAIR B FIRST FLOOR PLAN

SCALE: 3/8" = 1'-0"



12 BLDG 2 - STAIR B SECTION 1

SCALE: 3/8" = 1'-0"



16 BLDG 2 - STAIR B SECTION 2

SCALE: 3/8" = 1'-0"

STATE OF MISSOURI
BRIAN K. SCHMITT
NUMBER A-2007014
REGISTERED ARCHITECT
2.11.2022

TR;i ARCHITECTS	ARCHITECT
BOB D CAMPBELL & COMPANY	STRUCTURAL ENGINEER
SM ENGINEERING	CIVIL ENGINEER
BRINKMANN CONSTRUCTORS	GENERAL CONTRACTOR
LATIMER SOMMERS & ASSOCIATES	MECHANICAL ENGINEER
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3	Revision 1	2.11.2022

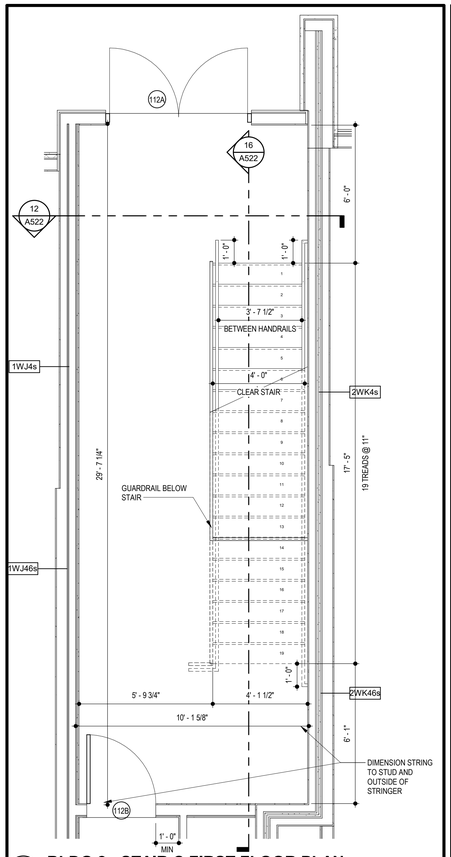
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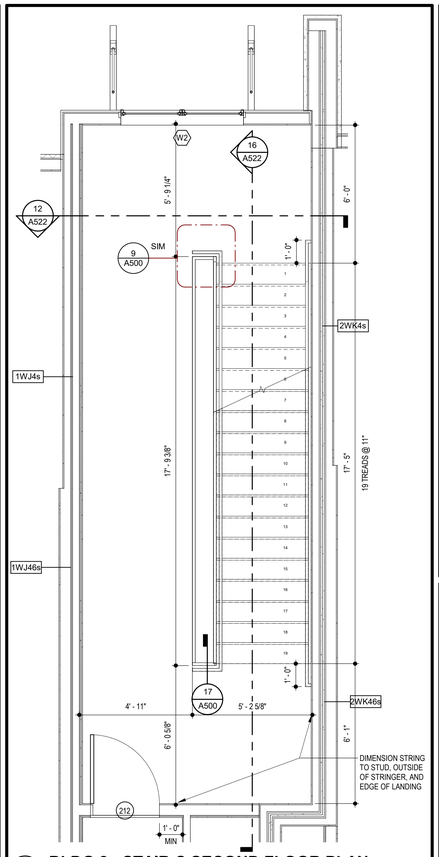
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BLDG 2 STAIR B - PLAN & SECTIONS



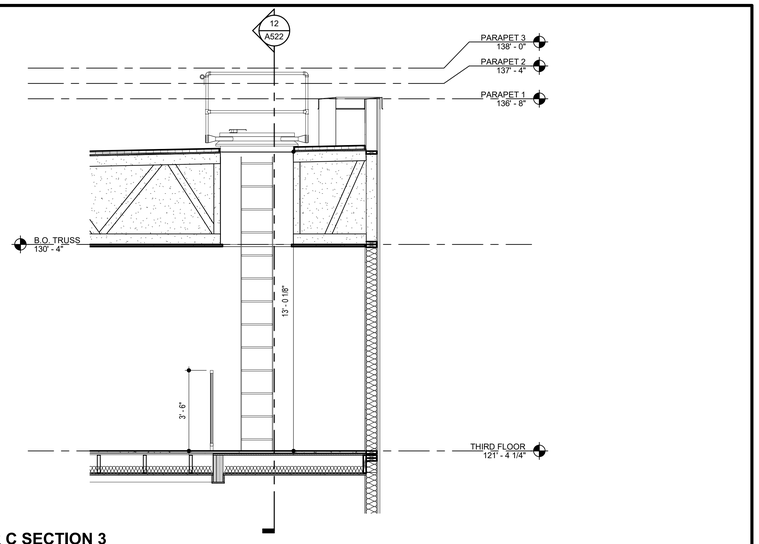
2 BLDG 2 - STAIR C FIRST FLOOR PLAN

SCALE: 3/8" = 1'-0"



6 BLDG 2 - STAIR C SECOND FLOOR PLAN

SCALE: 3/8" = 1'-0"

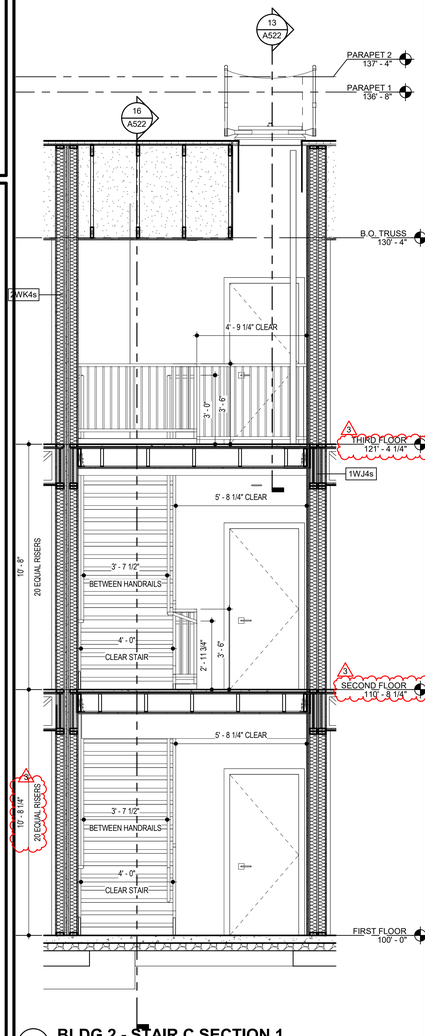


13 BLDG 2 - STAIR C SECTION 3

SCALE: 3/8" = 1'-0"

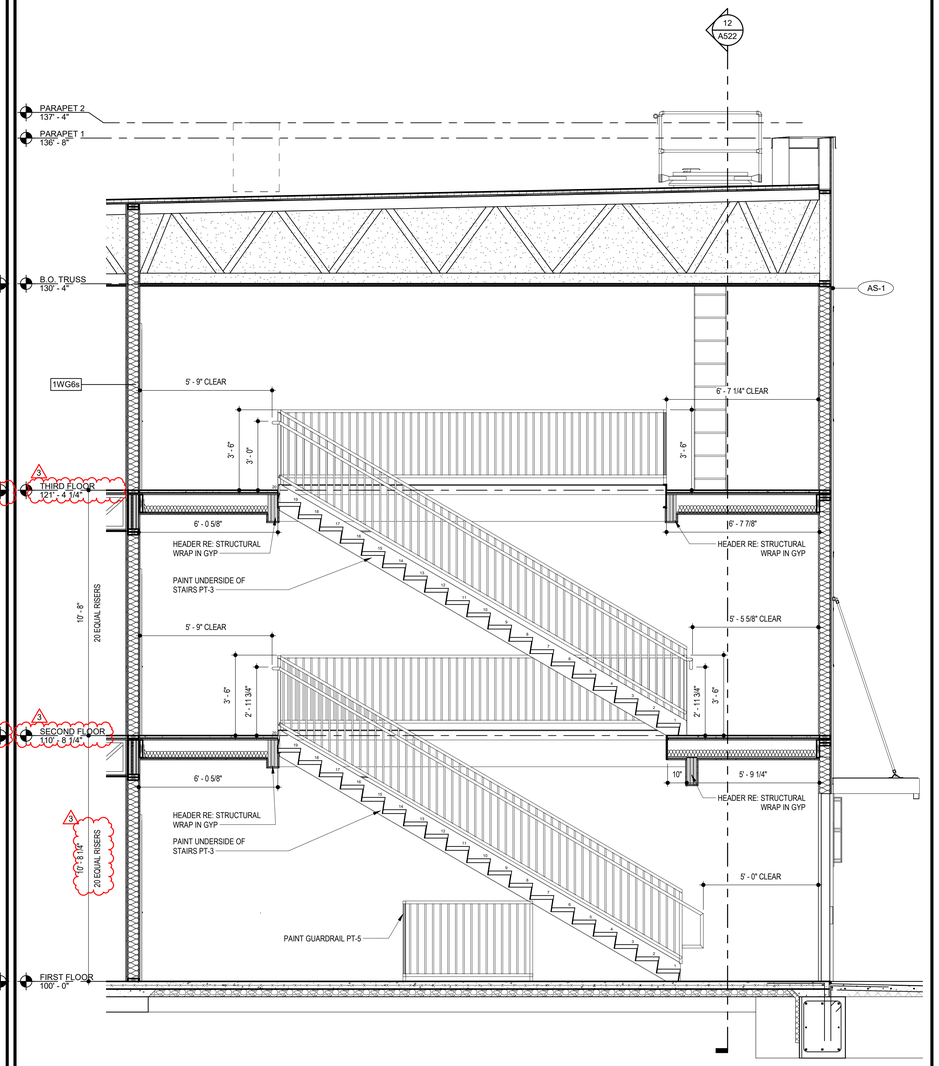
8 BLDG 2 - STAIR C THIRD FLOOR PLAN

SCALE: 3/8" = 1'-0"



12 BLDG 2 - STAIR C SECTION 1

SCALE: 3/8" = 1'-0"



16 BLDG 2 - STAIR C SECTION 2

SCALE: 3/8" = 1'-0"

STATE OF MISSOURI
BRENT
KENNEDY
2010013
REGISTERED ARCHITECT
2.11.2022

TR¡ ARCHITECTS	ARCHITECT
BOB D CAMPBELL & COMPANY	STRUCTURAL ENGINEER
SM ENGINEERING	CIVIL ENGINEER
BRINKMANN CONSTRUCTORS	GENERAL CONTRACTOR
LATIMER SOMMERS & ASSOCIATES	MECHANICAL ENGINEER
LATIMER SOMMERS & ASSOCIATES	PLUMBING ENGINEER
LATIMER SOMMERS & ASSOCIATES	ELECTRICAL ENGINEER

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DATE: 7.15.2021

REVISIONS / #

3 Revision 1 2.11.2022

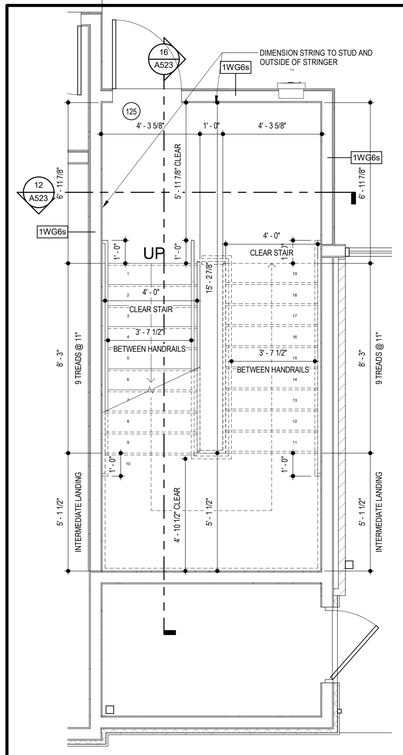
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TR¡ PROJECT NO. 20-001

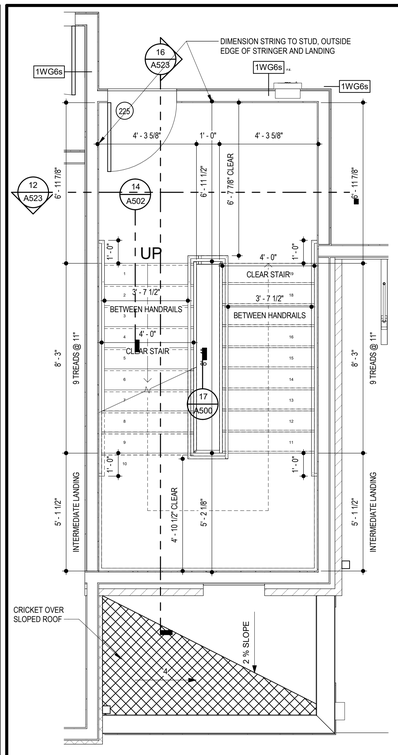
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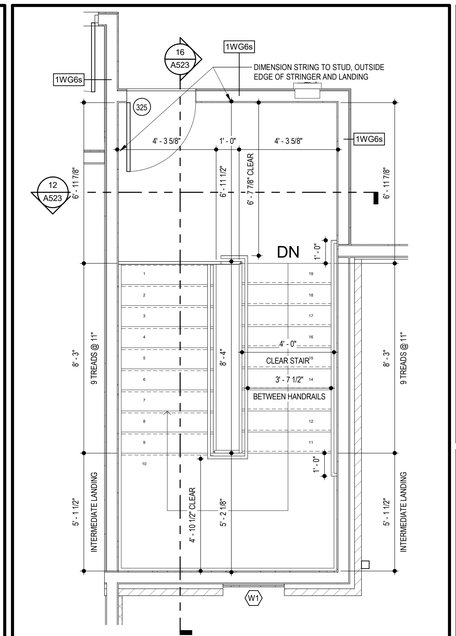
BLDG 2 STAIR C - PLAN & SECTIONS



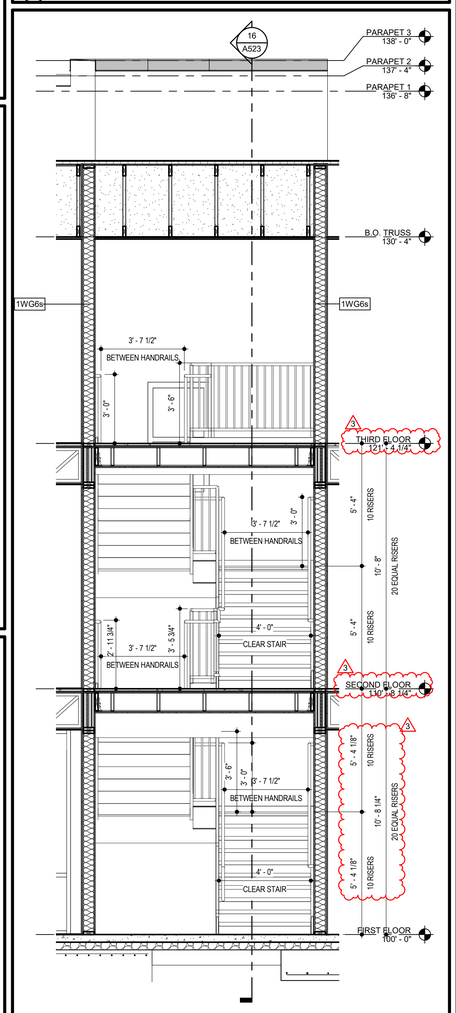
1 BLDG 2 - STAIR D FIRST FLOOR PLAN
SCALE: 3/8" = 1'-0"



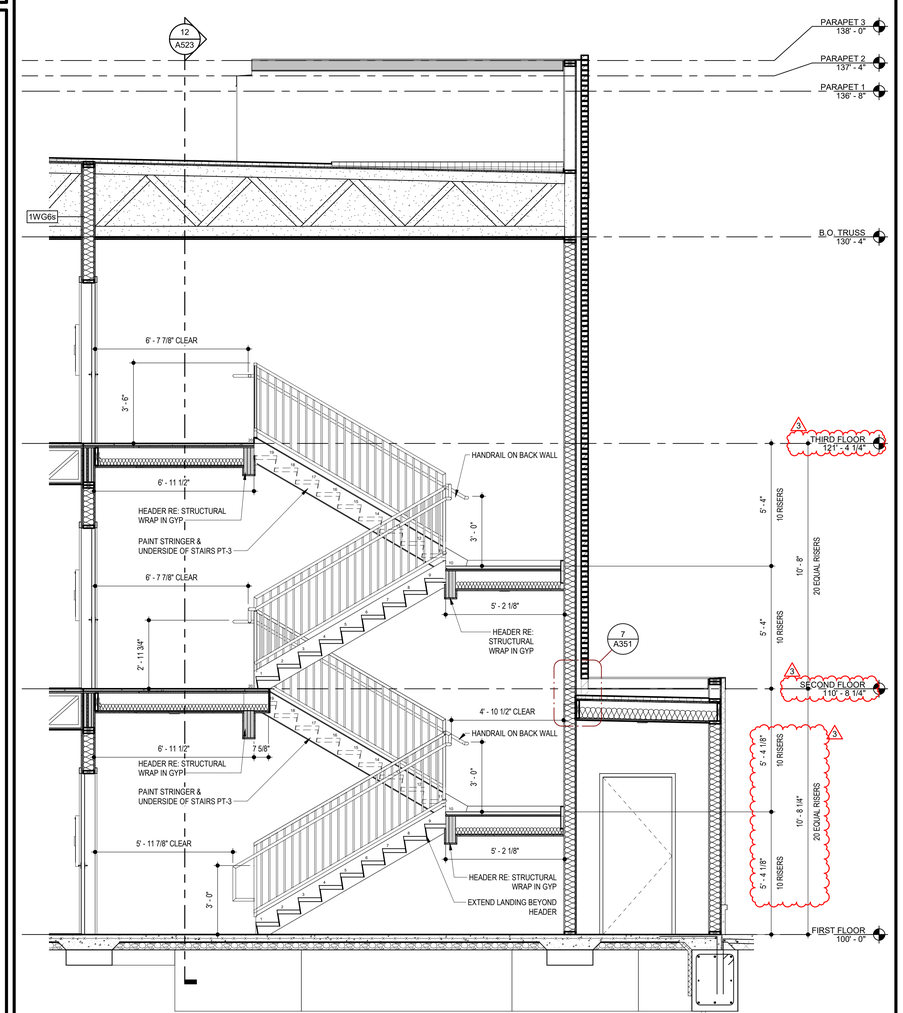
6 BLDG 2 - STAIR D SECOND FLOOR PLAN
SCALE: 3/8" = 1'-0"



10 BLDG 2 - STAIR D THIRD FLOOR PLAN
SCALE: 3/8" = 1'-0"



12 BLDG 2 - STAIR D SECTION 1
SCALE: 3/8" = 1'-0"



16 BLDG 2 - STAIR D SECTION 2
SCALE: 3/8" = 1'-0"

2.11.2022

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REVISIONS

3	Revision 1	2.11.2022

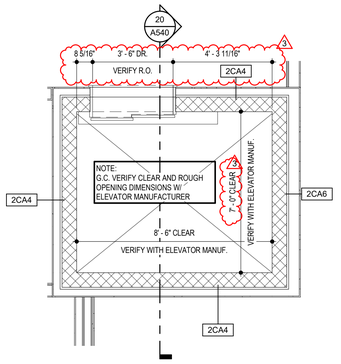
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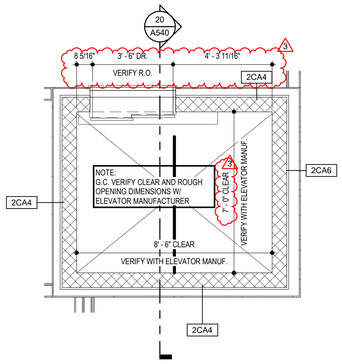
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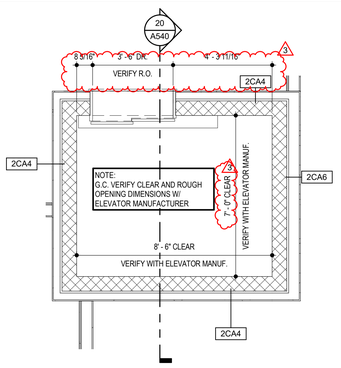
BLDG 2 STAIR D - PLAN & SECTIONS



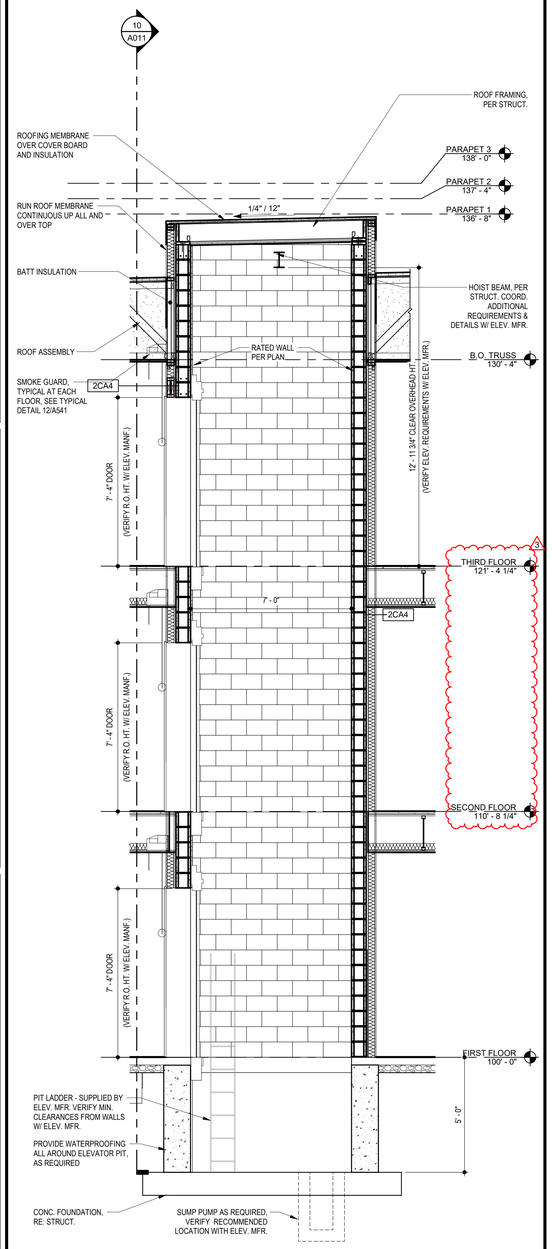
14 BLDG 1 - ELEVATOR THIRD FLOOR PLAN
SCALE: 3/8" = 1'-0"



15 BLDG 1 - ELEVATOR SECOND FLOOR PLAN
SCALE: 3/8" = 1'-0"



16 BLDG 1 - ELEVATOR FIRST FLOOR PLAN
SCALE: 3/8" = 1'-0"



20 BLDG 1 - ELEVATOR SECTION
SCALE: 3/8" = 1'-0"

2.11.2022

TR¡ ARCHITECTS	ARCHITECT
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3	Revision 1	2.11.2022

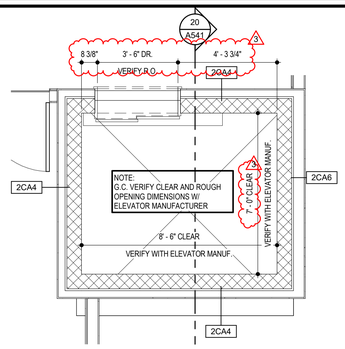
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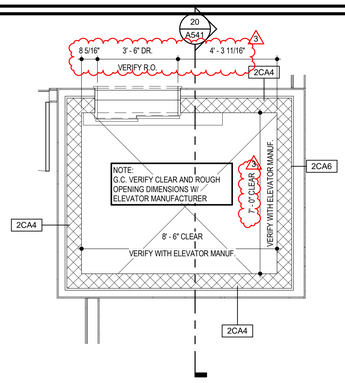
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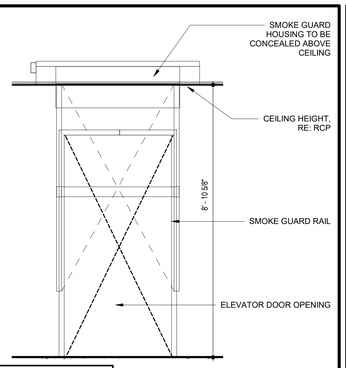
BLDG 1 ELEVATOR - PLAN & SECTIONS



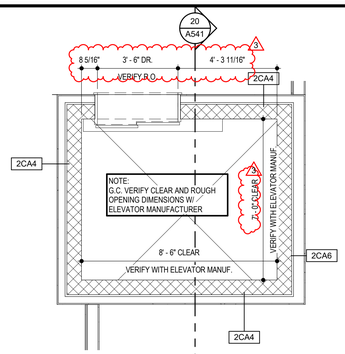
14 BLDG 2 - ELEVATOR THIRD FLOOR PLAN
SCALE: 3/8" = 1'-0"



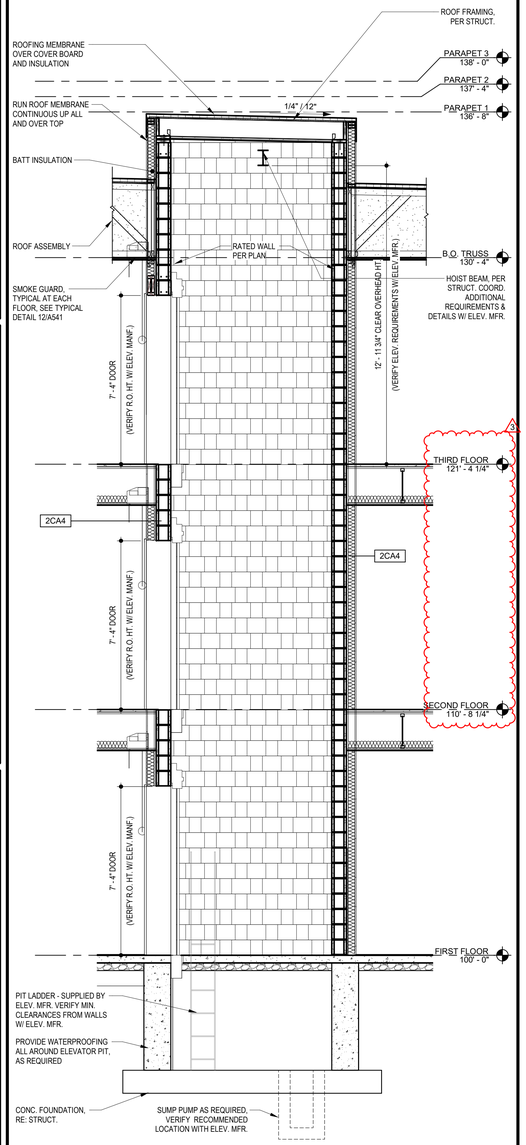
15 BLDG 2 - ELEVATOR SECOND FLOOR PLAN
SCALE: 3/8" = 1'-0"



12 ELEVATOR SMOKE GUARD
SCALE: 1/2" = 1'-0"



16 BLDG 2 - ELEVATOR FIRST FLOOR PLAN
SCALE: 3/8" = 1'-0"



20 BLDG 2 - ELEVATOR SECTION
SCALE: 3/8" = 1'-0"

2.11.2022

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REVISIONS

3	Revision 1	2.11.2022

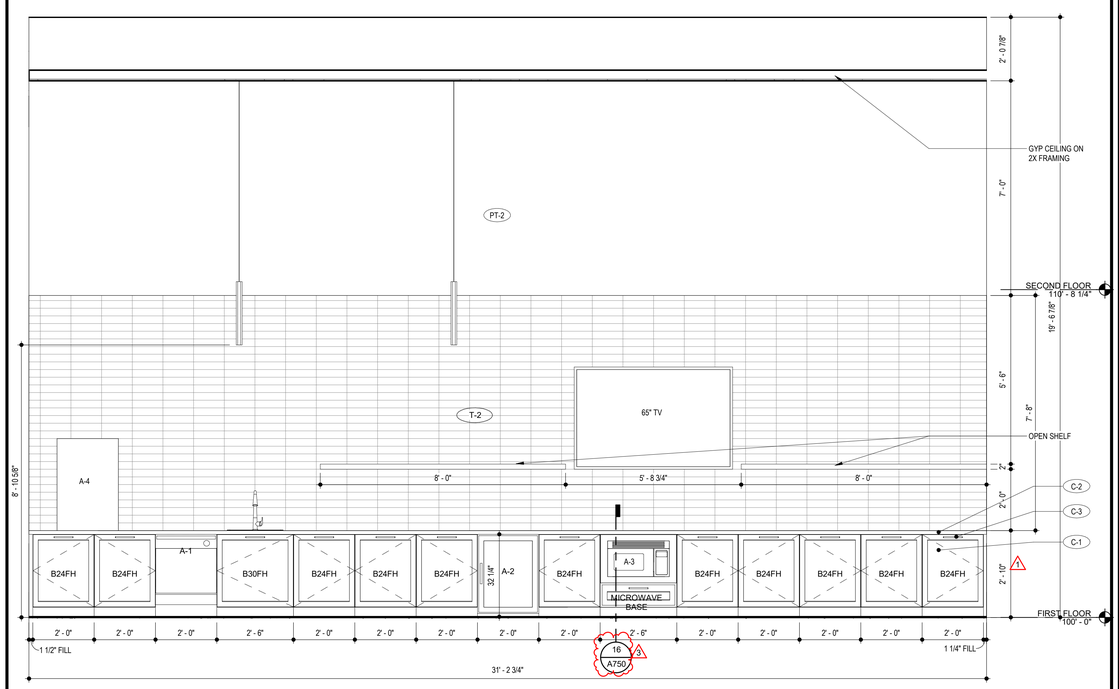
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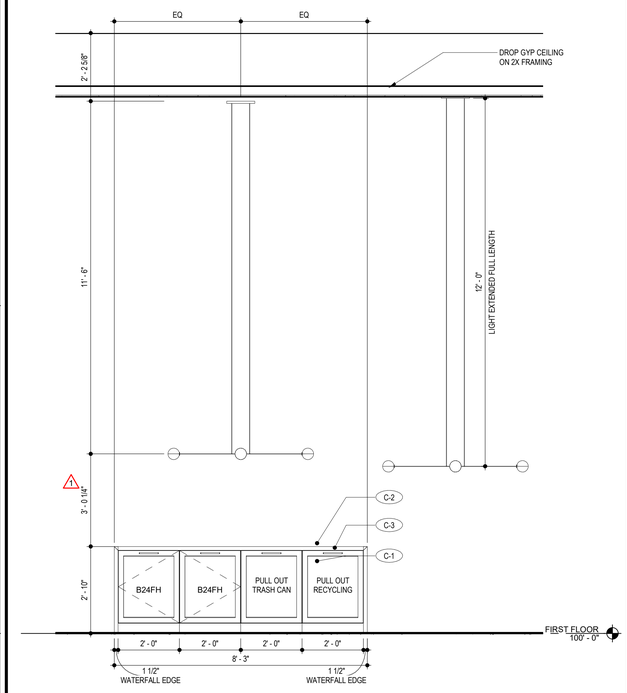
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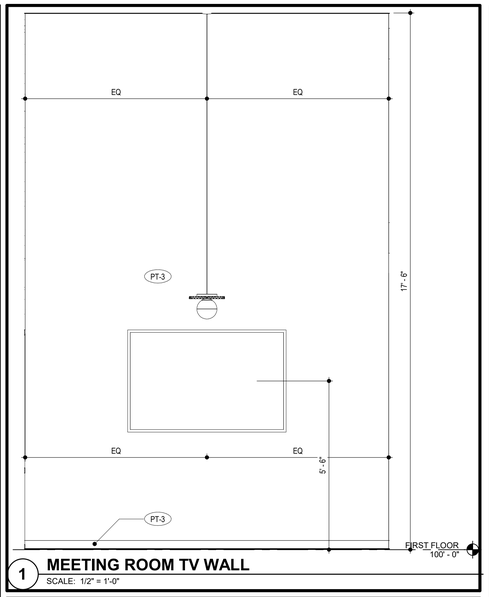
BLDG 2 ELEVATOR - PLAN & SECTIONS



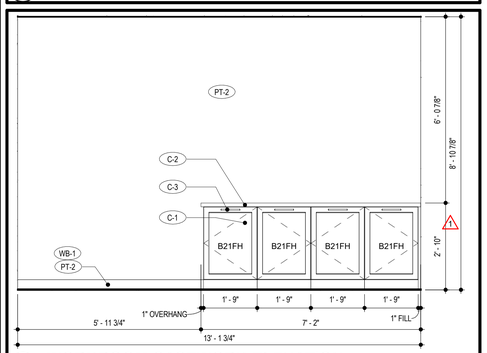
2 LOBBY ELEVATION
SCALE: 1/2" = 1'-0"



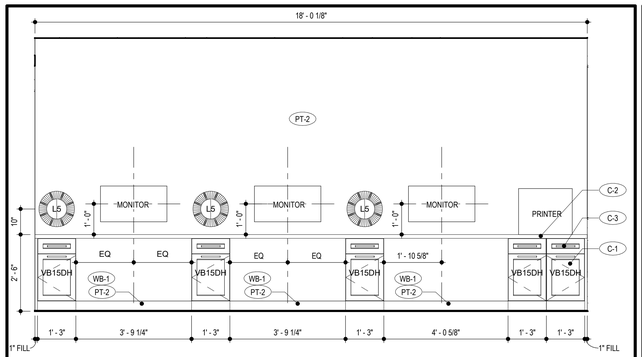
10 AMENITY ISLAND ELEVATION
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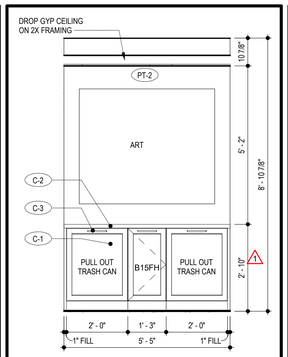
1 MEETING ROOM TV WALL
SCALE: 1/2" = 1'-0"



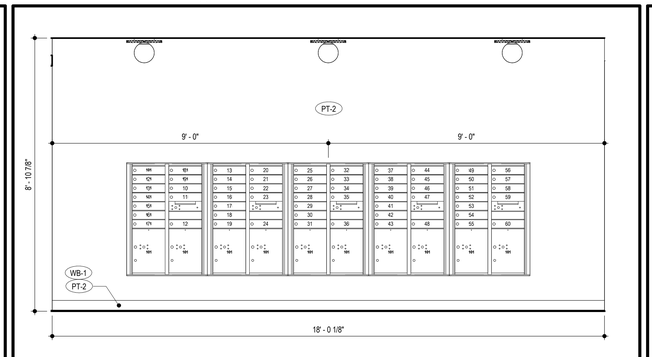
18 WORKROOM CASEWORK ELEVATION
SCALE: 1/2" = 1'-0"



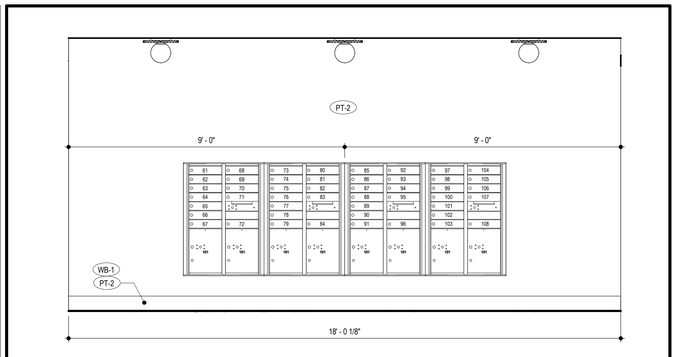
3 CYBER LOUNGE ELEVATION
SCALE: 1/2" = 1'-0"



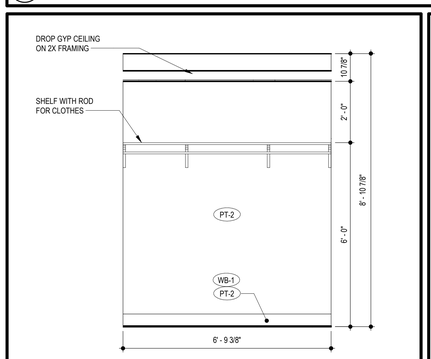
7 MAILROOM WORKSPACE
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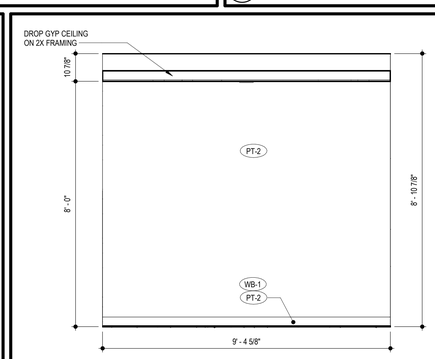
11 MAILROOM ELEVATION
SCALE: 1/2" = 1'-0"



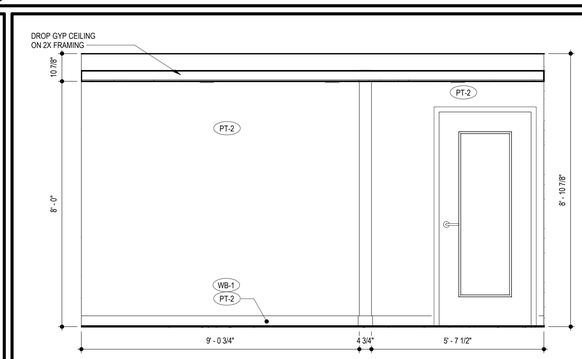
15 MAILROOM ELEVATION
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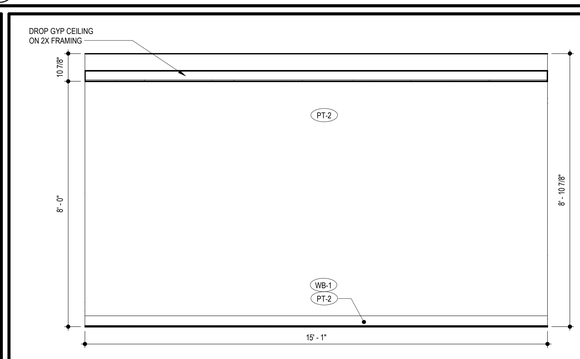
4 PACKAGE ROOM ELEVATION
SCALE: 1/2" = 1'-0"



8 PACKAGE ROOM ELEVATION
SCALE: 1/2" = 1'-0"



12 PACKAGE ROOM ELEVATION
SCALE: 1/2" = 1'-0"



16 PACKAGE ROOM ELEVATION
SCALE: 1/2" = 1'-0"

STATE OF MISSOURI
JOSEPH
BRENNAN
2008014
REGISTERED ARCHITECT
2.11.2022

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REVISIONS /8

1	PERMIT COMMENTS	8.17.2021
3	Revision 1	2.11.2022

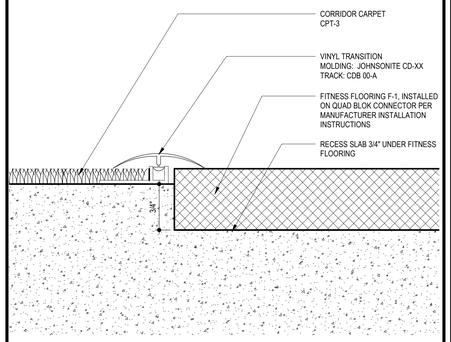
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TR¡ PROJECT NO. 20-001

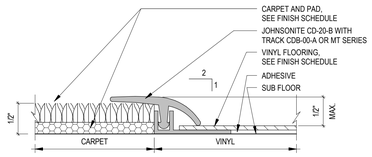
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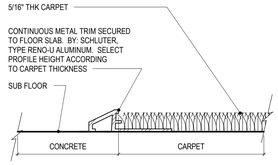
BLDG 1 - INTERIOR ELEVATIONS



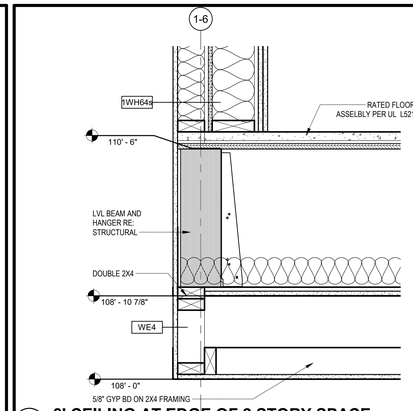
1 CORRIDOR TO FITNESS TRANSITION
SCALE: 12" = 1'-0"



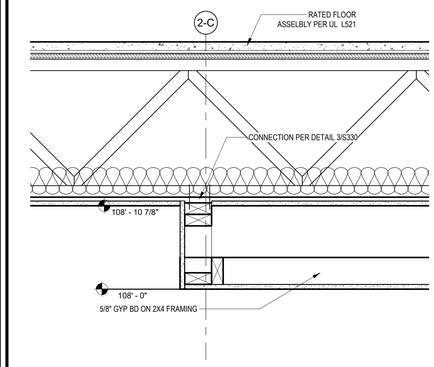
5 CARPET TO LVT TRANSITION
SCALE: 12" = 1'-0"



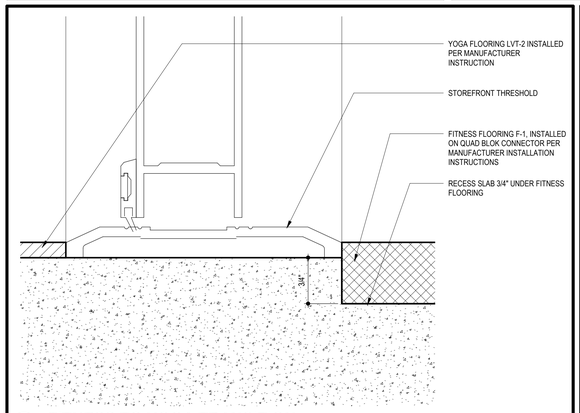
9 CARPET TO CONCRETE
SCALE: 12" = 1'-0"



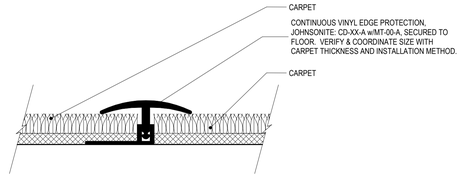
13 8' CEILING AT EDGE OF 2 STORY SPACE
SCALE: 1 1/2" = 1'-0"



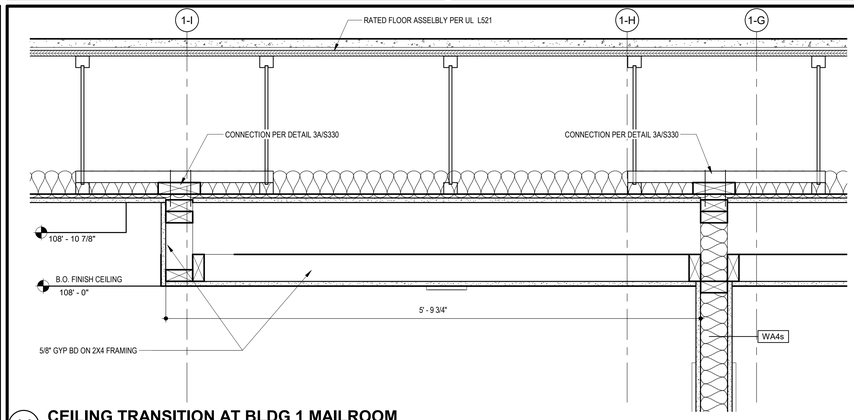
17 8' CEILING EDGE
SCALE: 1 1/2" = 1'-0"



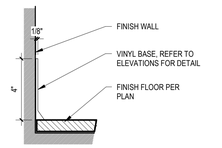
2 FITNESS TO YOGA TRANSITION
SCALE: 12" = 1'-0"



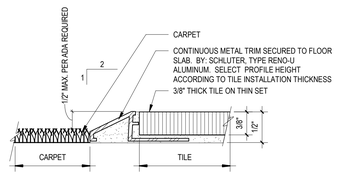
6 CARPET TO CARPET
SCALE: 12" = 1'-0"



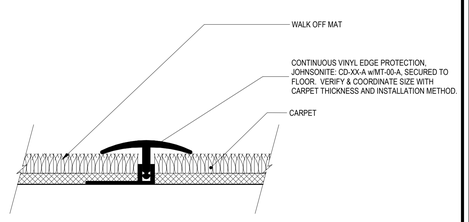
14 CEILING TRANSITION AT BLDG 1 MAILROOM
SCALE: 1 1/2" = 1'-0"



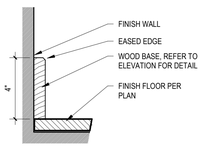
3 BASE DETAIL - VINYL
SCALE: 3" = 1'-0"



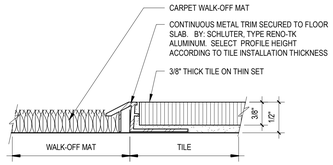
7 TILE/CARPET
SCALE: 12" = 1'-0"



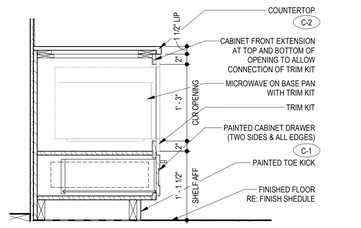
11 CARPET TO WALK OFF MAT
SCALE: 12" = 1'-0"



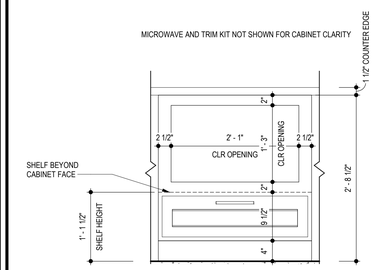
4 BASE DETAIL - WOOD
SCALE: 3" = 1'-0"



8 TILE/ WALK OFF MAT
SCALE: 12" = 1'-0"



16 AMENITY MICROWAVE BASE
SCALE: 1" = 1'-0"



20 AMENITY MICROWAVE BASE ELEVATION
SCALE: 1" = 1'-0"

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CIVIL ENGINEER
GENERAL CONTRACTOR
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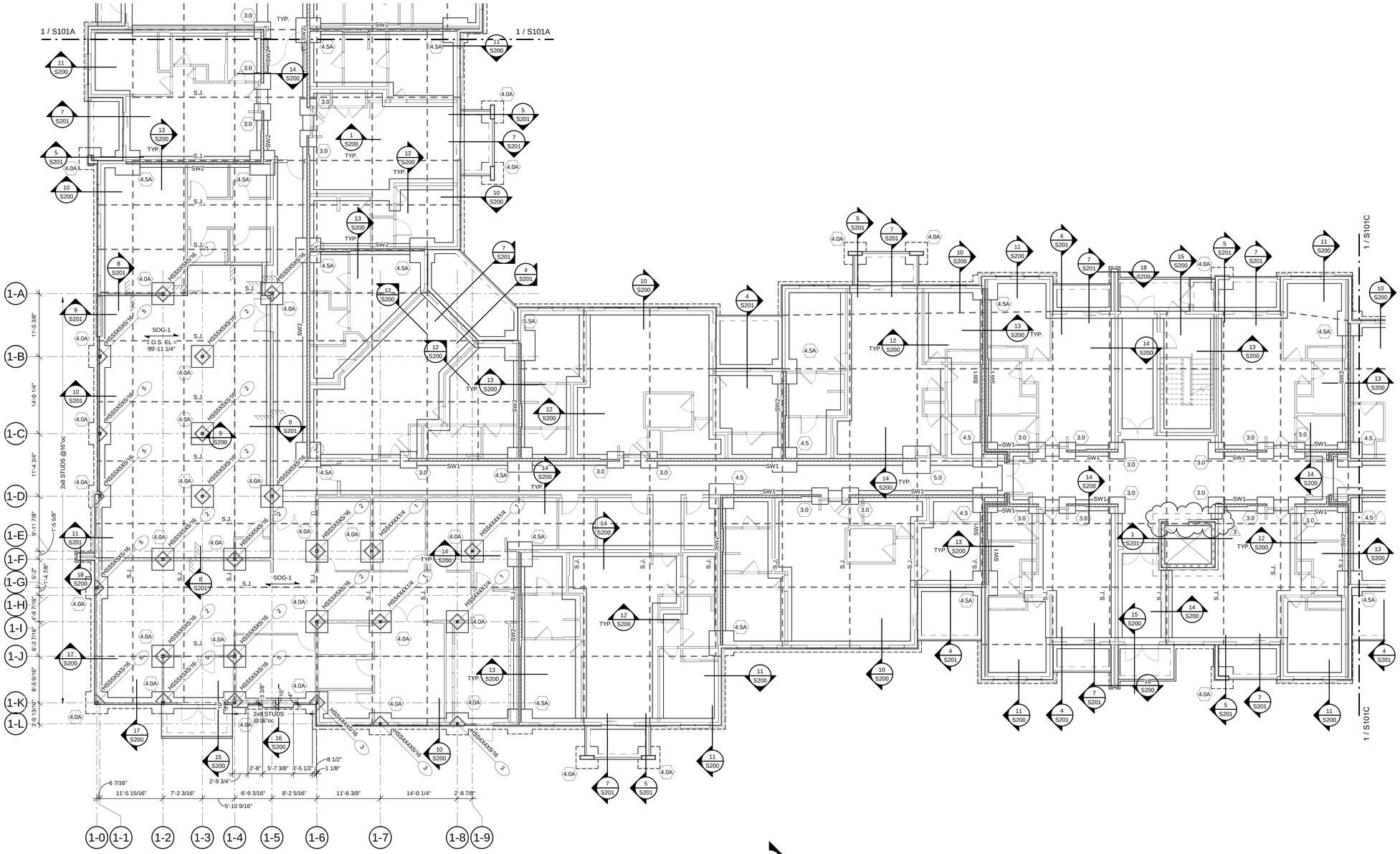
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TR¡ PROJECT NO. 20-001

SHEET NO.

A750

INTERIOR DETAILS



1 1-FIRST FLOOR FRAMING PLAN - Area B

1/8" = 1'-0"

N

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PE-2010026833
12/17/21
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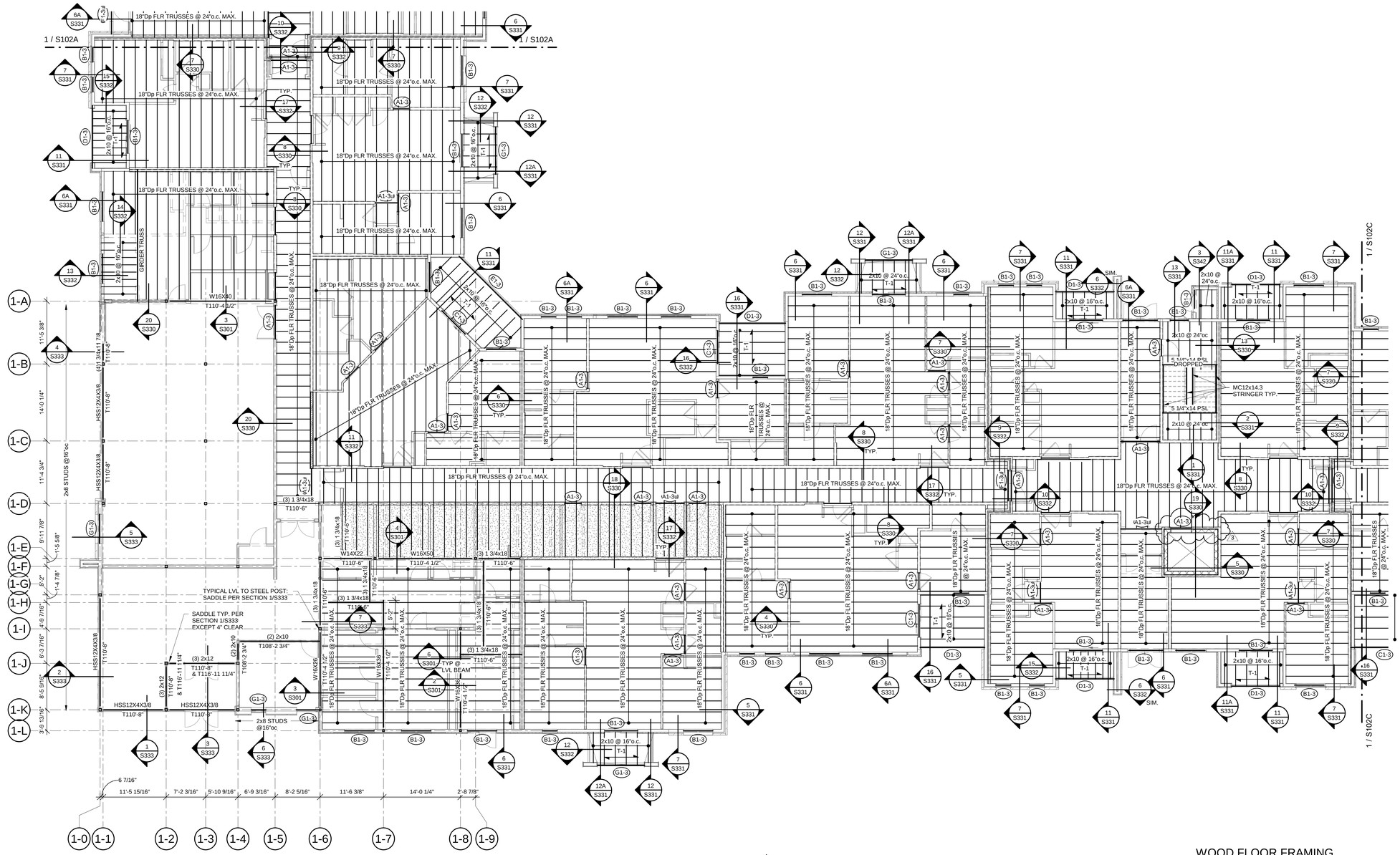
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TR¡ PROJECT NO. 20-001

SHEET NO.

S101B

FOUNDATION PLAN - AREA B



1 SECOND FLOOR FRAMING PLAN- AREA B

1/8" = 1'-0"

WOOD FLOOR FRAMING

NOTES:

1. REFER TO GENERAL NOTES ON SHEET S001.
2. REFER TO STUD BEARING WALL SCHEDULE ON SHEET S003.
3. REFER TO HEADER/BEAM/JAMB SCHEDULE ON SHEET S003.
4. REFER TO SHEARWALL AND HOLDOWN SCHEDULE ON S004.
5. REFER TO S330 SERIES OF SHEETS FOR ADDITIONAL FLOOR FRAMING DETAILS NOT INDICATED HERE
6. PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSET; REFER TO ARCH AND MEP DRAWINGS FOR LOCATIONS.
7. REFER TO S001 FOR SLAB AND DECK SCHEDULE.
   A. WOOD FLOOR DECK TO BE DECK TYPE "FD-1" U.N.O.
   B. BALCONY FLOOR DECK TO BE DECK TYPE "T-1" U.N.O.
8. PUBLIC AREA: DESIGN FOR LIVE LOAD PER GENERAL NOTE 2.B ON S001
   STORAGE AREA: DESIGN FOR LIVE LOAD PER GENERAL NOTE 2.B ON S001

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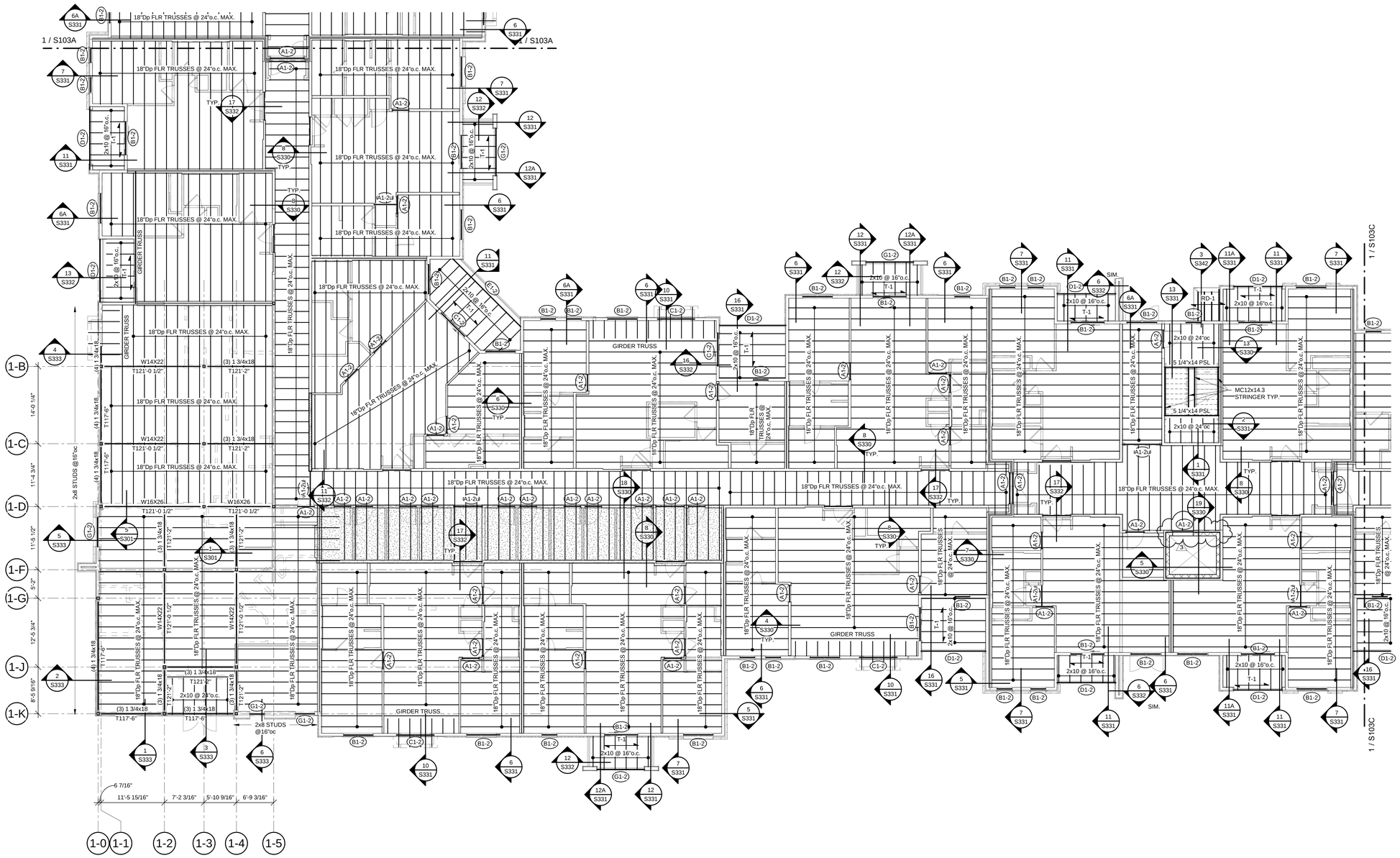
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3 Revision 1	2.11.2022
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TR¡ PROJECT NO.	20-001
SHEET NO.	S102B

SECOND FLOOR FRAMING PLAN- AREA B



1 THIRD FLOOR FRAMING PLAN- AREA B

1/8" = 1'-0"

WOOD FLOOR FRAMING

NOTES:

1. REFER TO GENERAL NOTES ON SHEET S001.
2. REFER TO STUD BEARING WALL SCHEDULE ON SHEET S003.
3. REFER TO HEADER/BEAM/JAMB SCHEDULE ON SHEET S003.
4. REFER TO SHEARWALL AND HOLDOWN SCHEDULE ON S004.
5. REFER TO S330 SERIES OF SHEETS FOR ADDITIONAL FLOOR FRAMING DETAILS NOT INDICATED HERE
6. PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSET; REFER TO ARCH AND MEP DRAWINGS FOR LOCATIONS.
7. REFER TO S001 FOR SLAB AND DECK SCHEDULE.
   A. WOOD FLOOR DECK TO BE DECK TYPE "FD-1" U.N.O.
   B. BALCONY FLOOR DECK TO BE DECK TYPE "T-1" U.N.O.
8. PUBLIC AREA: DESIGN FOR LIVE LOAD PER GENERAL NOTE 2.B ON S001
   STORAGE AREA: DESIGN FOR LIVE LOAD PER GENERAL NOTE 2.B ON S001

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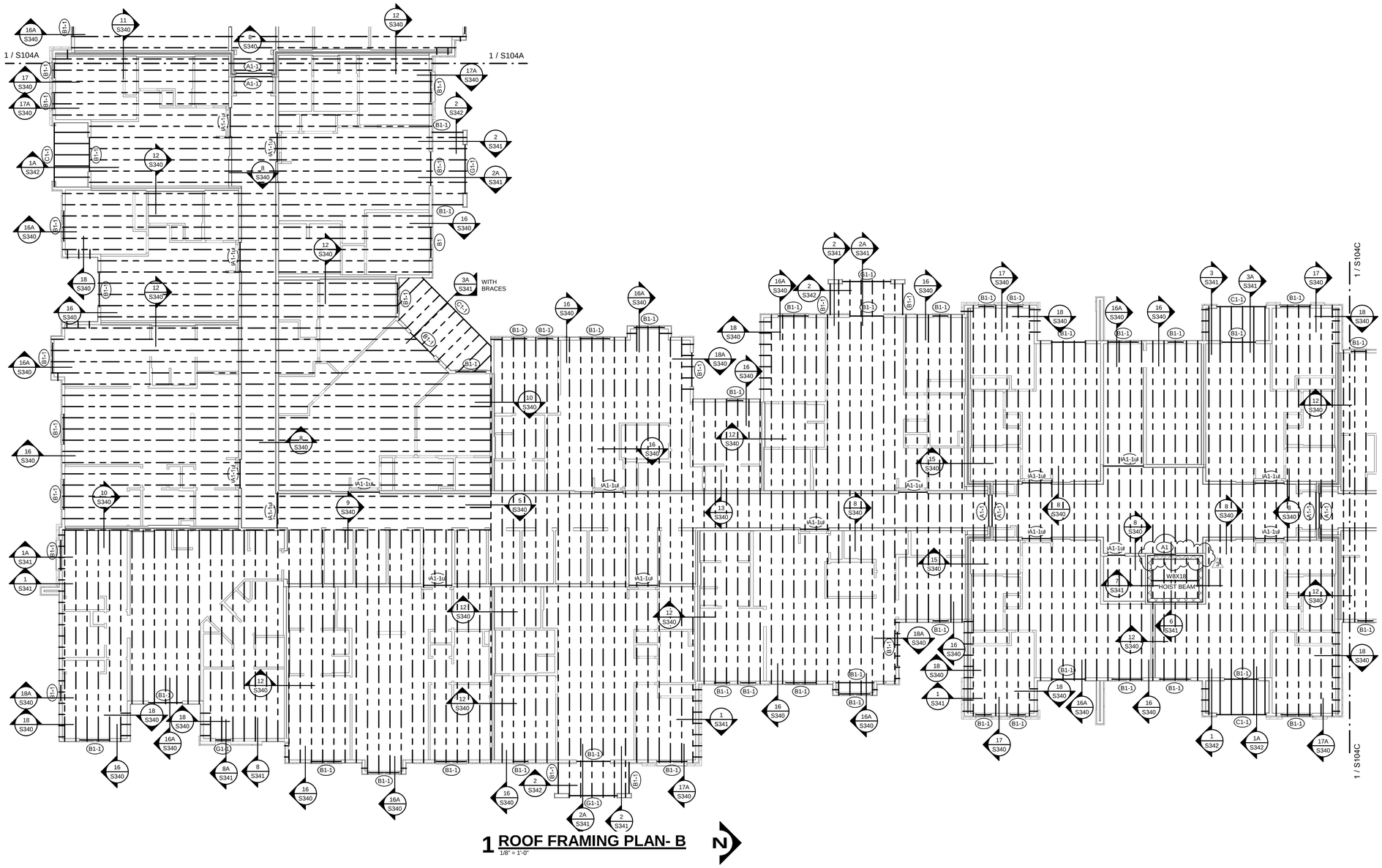
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TR¡ PROJECT NO. 20-001

SHEET NO.

S103B

THIRD FLOOR FRAMING PLAN- AREA B



1 ROOF FRAMING PLAN- B

1/8" = 1'-0"

WOOD ROOF FRAMING

NOTES:

1. REFER TO GENERAL NOTES ON SHEET S001.
2. REFER TO STUD BEARING WALL SCHEDULE ON SHEET S003.
3. REFER TO HEADER/BEAM/JAMB SCHEDULE ON SHEET S003.
4. REFER TO SHEARWALL AND HOLDOWN SCHEDULE ON S004.
5. REFER TO S340 SERIES OF SHEETS FOR ADDITIONAL FLOOR FRAMING DETAILS NOT INDICATED HERE
6. PROVIDE (3) STUDS MINIMUM ALIGNED UNDER EACH END OF EACH GIRDER TRUSS. PROVIDE SQUASH BLOCKS AND JAMBS AT EA. FLOOR BELOW DOWN TO FOUNDATION. (TOTAL STUDS TO MATCH NUMBER OF GIRDER TRUSS PLIES (3 MIN.) REFER TO DETAIL 3/S340.
7. PROVIDE UNIFORM UPLIFT SCREWS @ UPPER FLOOR PER DETAILS 3, 3A, 3B, 4 AND 5 ON S005.
8. PRE-ENG TRUSSES TO HAVE A MINIMUM DEPTH OF 24". SLOPE TOP CHORD PER ARCHITECTUAL DRAWINGS.
9. REFER TO S001 FOR SLAB AND DECK SCHEDULE.
   A. WOOD ROOF DECK TO BE DECK TYPE "RD-1" U.N.O.

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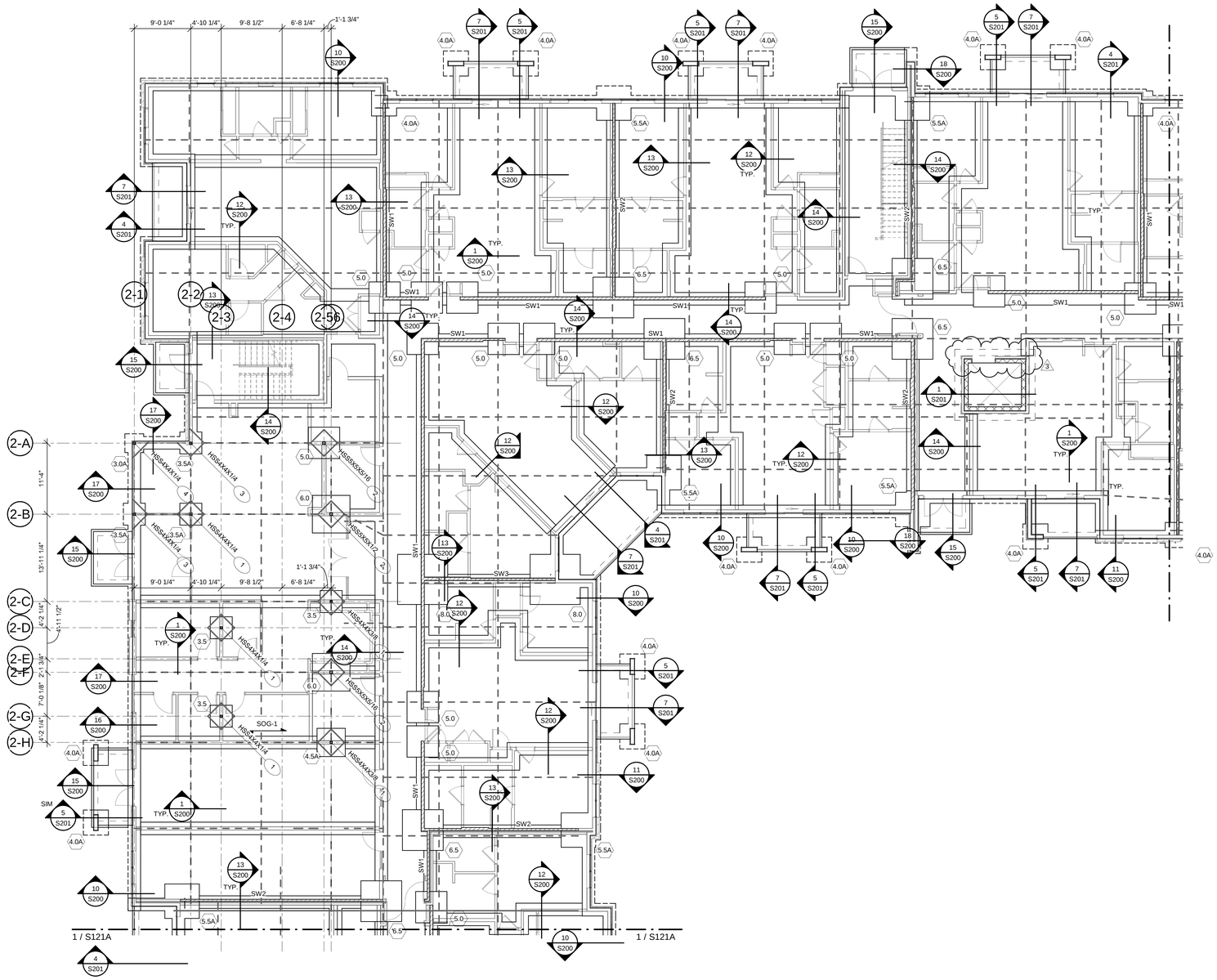
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TR¡ PROJECT NO. 20-001

SHEET NO.

S104B

ROOF FRAMING PLAN- AREA B



1 BLDG 2- FOUNDATION PLAN - AREA B

1/8" = 1'-0"

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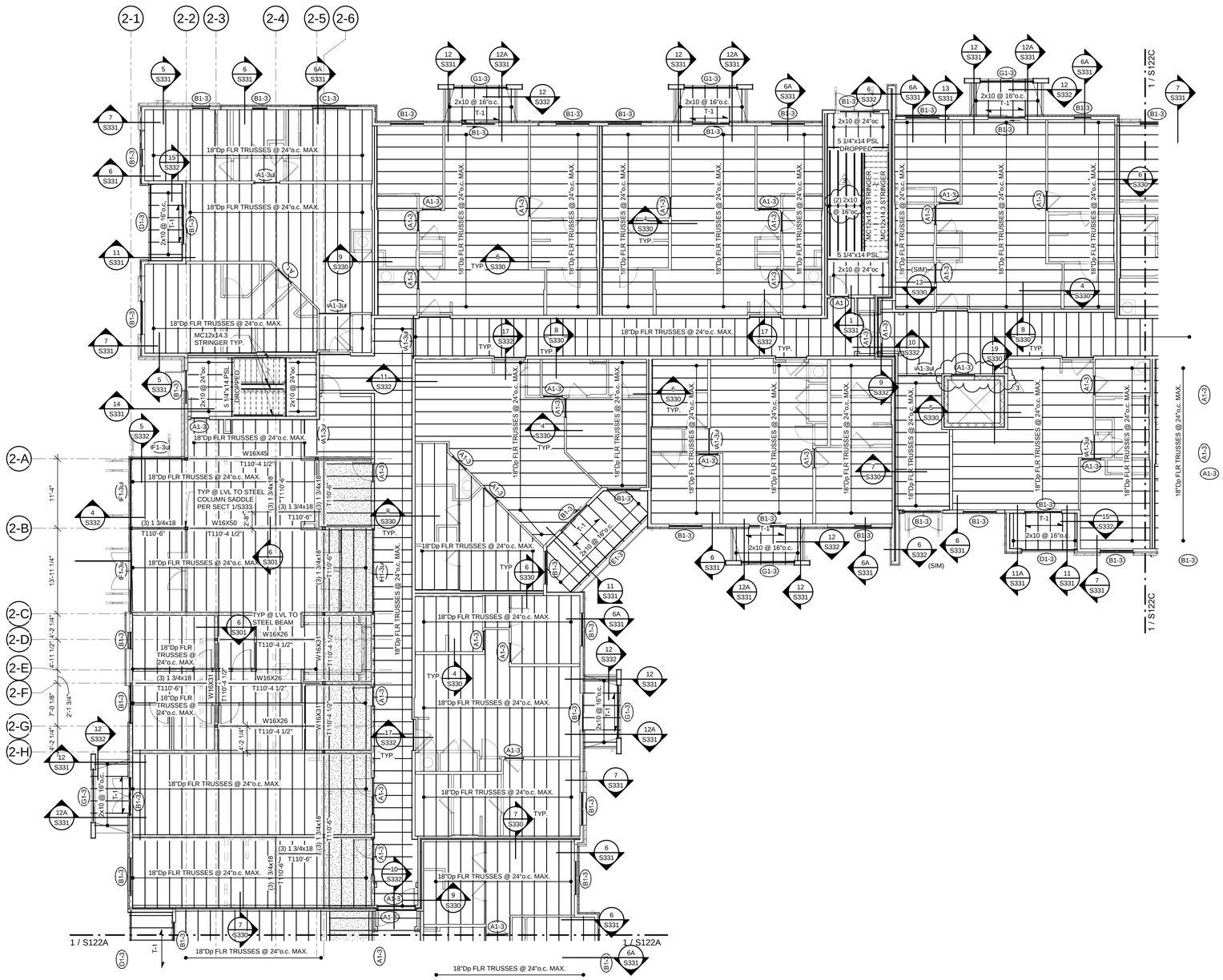
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TR¡ PROJECT NO. 20-001

SHEET NO.

S121B

BLDG 2- FOUNDATION PLAN - AREA B



1 BLDG 2- SECOND FLOOR FRAMING PLAN - AREA B

1/8" = 1'-0"

WOOD FLOOR FRAMING

NOTES:

1. REFER TO GENERAL NOTES ON SHEET S001.
2. REFER TO STUD BEARING WALL SCHEDULE ON SHEET S003.
3. REFER TO HEADER/BEAM/JAMB SCHEDULE ON SHEET S003.
4. REFER TO SHEARWALL AND HOLDOWN SCHEDULE ON S004.
5. REFER TO S330 SERIES OF SHEETS FOR ADDITIONAL FLOOR FRAMING DETAILS NOT INDICATED HERE.
6. PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSET; REFER TO ARCH AND MEP DRAWINGS FOR LOCATIONS.
7. REFER TO S001 FOR SLAB AND DECK SCHEDULE.
   A. WOOD FLOOR DECK TO BE DECK TYPE "FD-1" U.N.O.
   B. BALCONY FLOOR DECK TO BE DECK TYPE "T-1" U.N.O.
8. PUBLIC AREA: DESIGN FOR LIVE LOAD PER GENERAL NOTE 2.B ON S001.
   STORAGE AREA: DESIGN FOR LIVE LOAD PER GENERAL NOTE 2.B ON S001

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LATIMER SOMMERS & ASSOCIATES	PLUMBING ENGINEER
LATIMER SOMMERS & ASSOCIATES	ELECTRICAL ENGINEER

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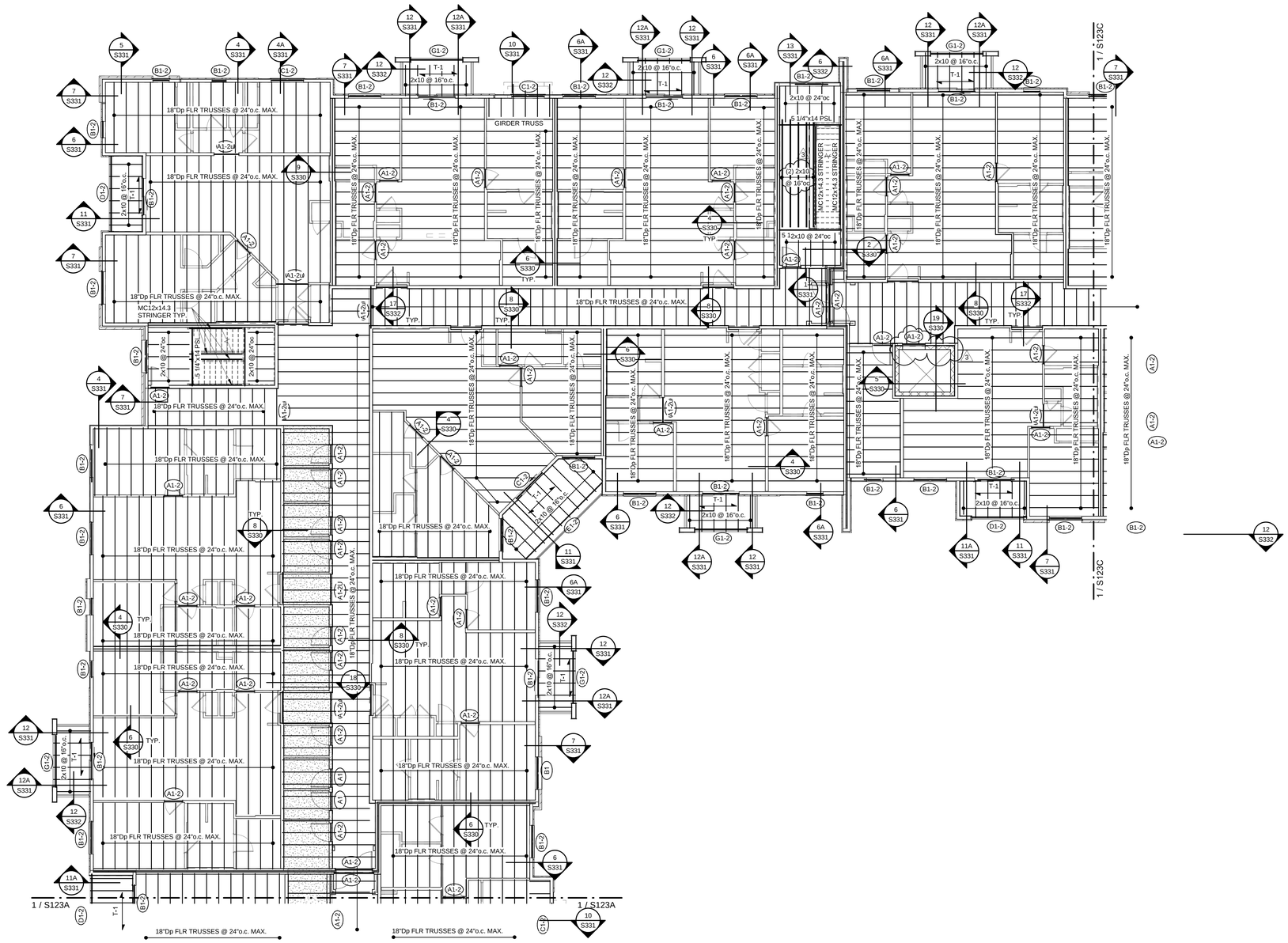
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TR¡ PROJECT NO. 20-001

SHEET NO.

S122B

BLDG 2- SECOND FLOOR FRAMING PLAN - AREA B



1 BLDG 2- THIRD FLOOR FRAMING PLAN - AREA B

1/8" = 1'-0"

WOOD FLOOR FRAMING

NOTES:

1. REFER TO GENERAL NOTES ON SHEET S001.
2. REFER TO STUD BEARING WALL SCHEDULE ON SHEET S003.
3. REFER TO HEADER/BEAM/JAMB SCHEDULE ON SHEET S003.
4. REFER TO SHEARWALL AND HOLDOWN SCHEDULE ON S004.
5. REFER TO S330 SERIES OF SHEETS FOR ADDITIONAL FLOOR FRAMING DETAILS NOT INDICATED HERE
6. PROVIDE TRUSS SPACE DIRECTLY ABOVE AND CENTERED OVER HVAC CLOSET; REFER TO ARCH AND MEP DRAWINGS FOR LOCATIONS.
7. REFER TO S001 FOR SLAB AND DECK SCHEDULE.
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   STORAGE AREA: DESIGN FOR LIVE LOAD PER GENERAL NOTE 2.B ON S001

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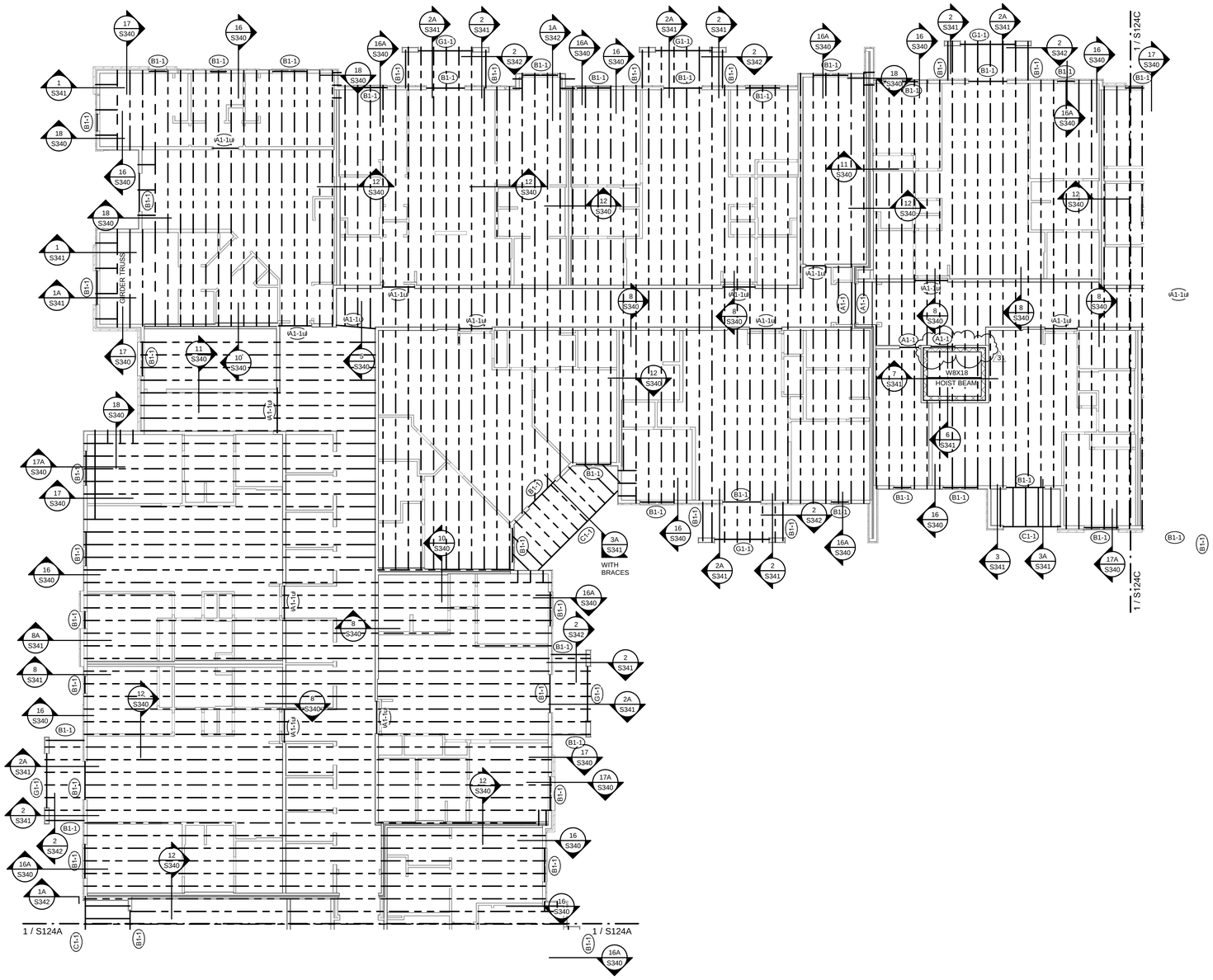
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TR¡ PROJECT NO. 20-001

SHEET NO.

S123B

BLDG 2- THIRD FLOOR FRAMING PLAN - AREA B



1 BLDG 2- ROOF FRAMING PLAN - AREA B

1/8" = 1'-0"

WOOD FLOOR FRAMING

NOTES:

1. REFER TO GENERAL NOTES ON SHEET S001.
2. REFER TO STUD BEARING WALL SCHEDULE ON SHEET S003.
3. REFER TO HEADER/BEAM/JAMB SCHEDULE ON SHEET S003.
4. REFER TO SHEARWALL AND HOLDOWN SCHEDULE ON S004.
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   STORAGE AREA: DESIGN FOR LIVE LOAD PER GENERAL NOTE 2.B ON S001

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NUMBER
PE-2010026833
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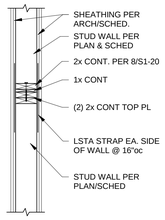
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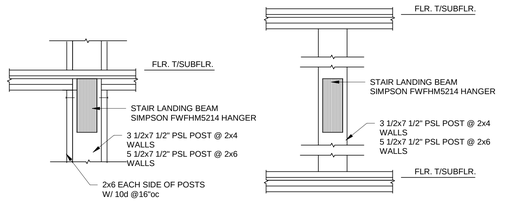
SHEET NO.

S124B

BLDG 2- ROOF FRAMING PLAN - AREA B

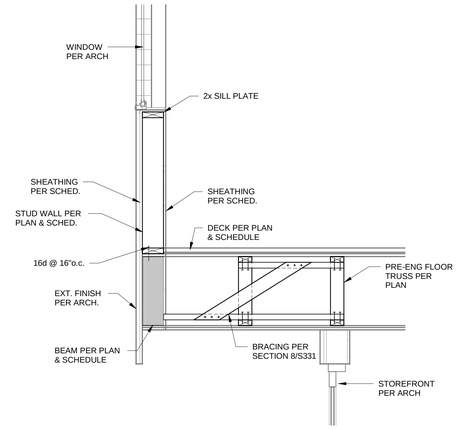


1 SECTION
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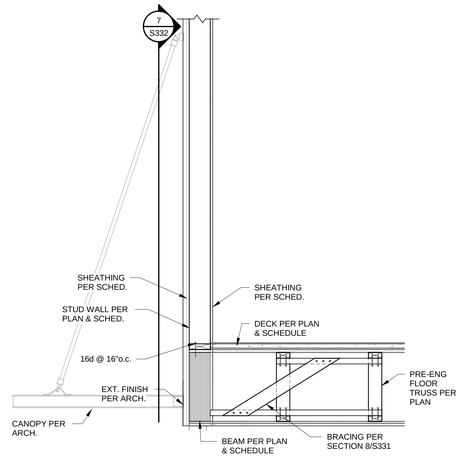


TYPICAL STAIR BEAM JAMBS

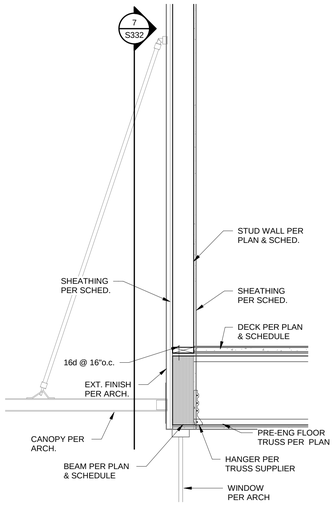
2 SECTION
3/4" = 1'-0"



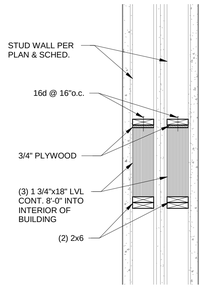
3 SECTION
3/4" = 1'-0"



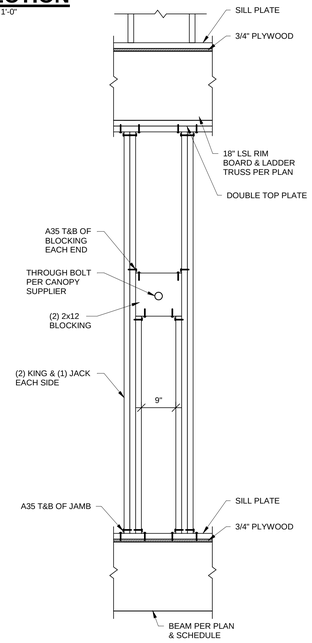
4 SECTION
3/4" = 1'-0"



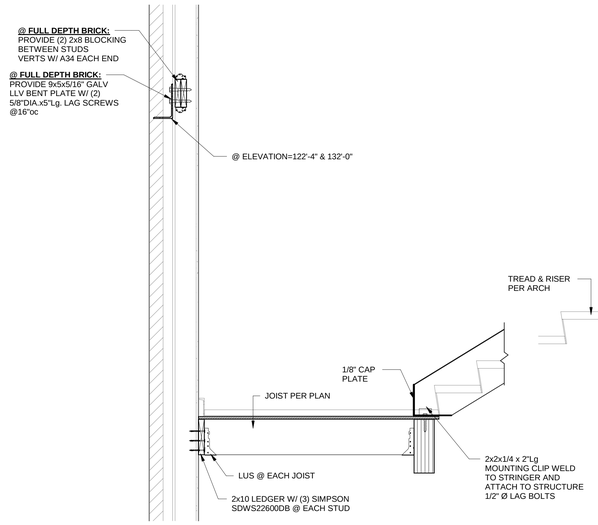
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3/4" = 1'-0"



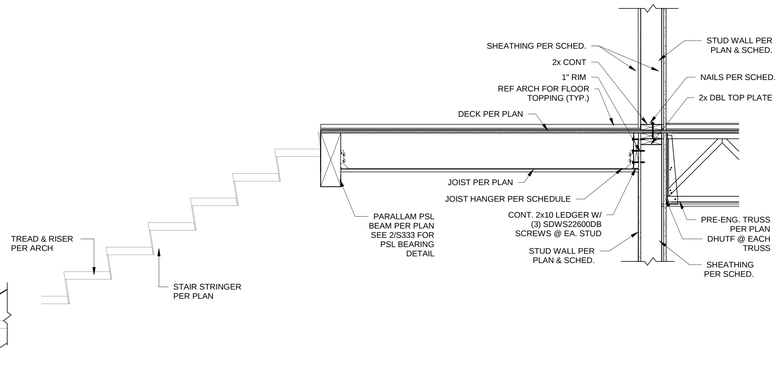
6 SECTION
3/4" = 1'-0"

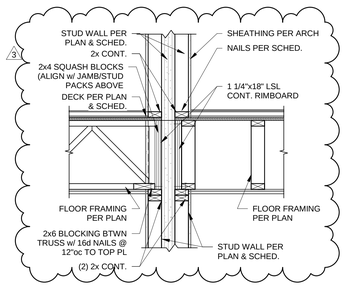


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3/4" = 1'-0"

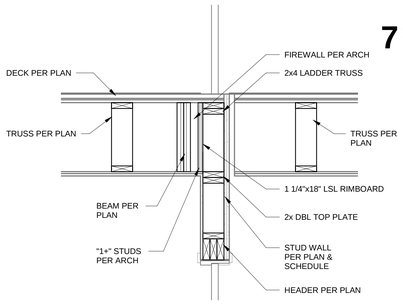


8 SECTION
3/4" = 1'-0"

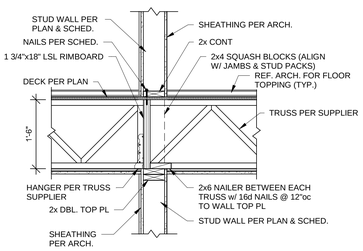




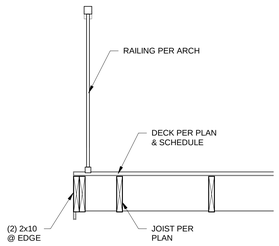
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3/4" = 1'-0"



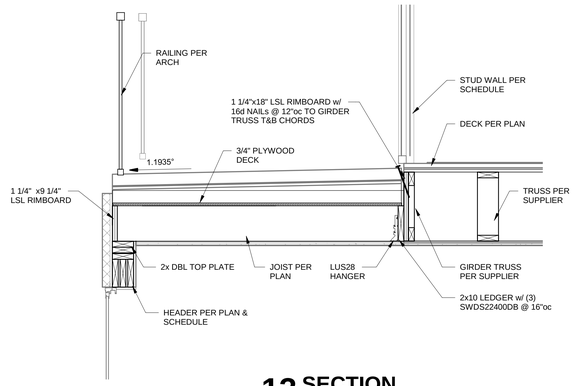
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3/4" = 1'-0"



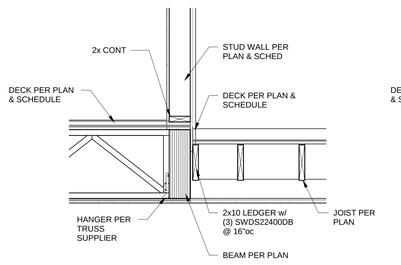
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3/4" = 1'-0"



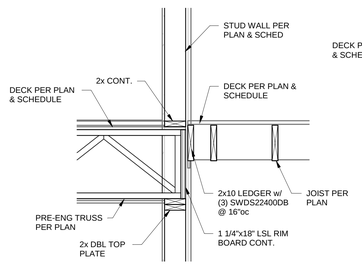
12 SECTION
3/4" = 1'-0"



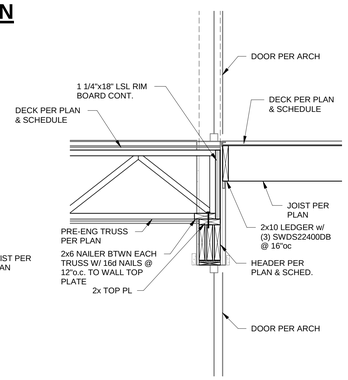
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3/4" = 1'-0"



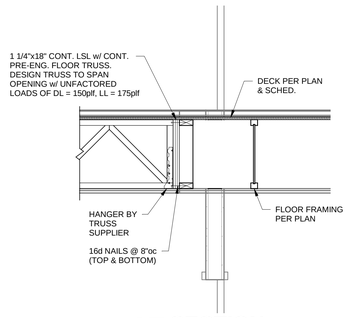
14 SECTION
3/4" = 1'-0"



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



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



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

TR¡ ARCHITECTS — ARCHITECT
BOB D CAMPBELL & COMPANY — STRUCTURAL ENGINEER
SM ENGINEERING — CIVIL ENGINEER
BRINKMANN CONSTRUCTORS — GENERAL CONTRACTOR
LATIMER SOMMERS & ASSOCIATES — MECHANICAL ENGINEER
LATIMER SOMMERS & ASSOCIATES — PLUMBING ENGINEER
LATIMER SOMMERS & ASSOCIATES — ELECTRICAL ENGINEER

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DATE: 7.15.2021

REVISIONS 3

3	Revision 1	2.11.2022

DWG BY CB

TR¡ PROJECT NO. 20-001

SHEET NO.

S332

WOOD FLOOR FRAMING SECTIONS

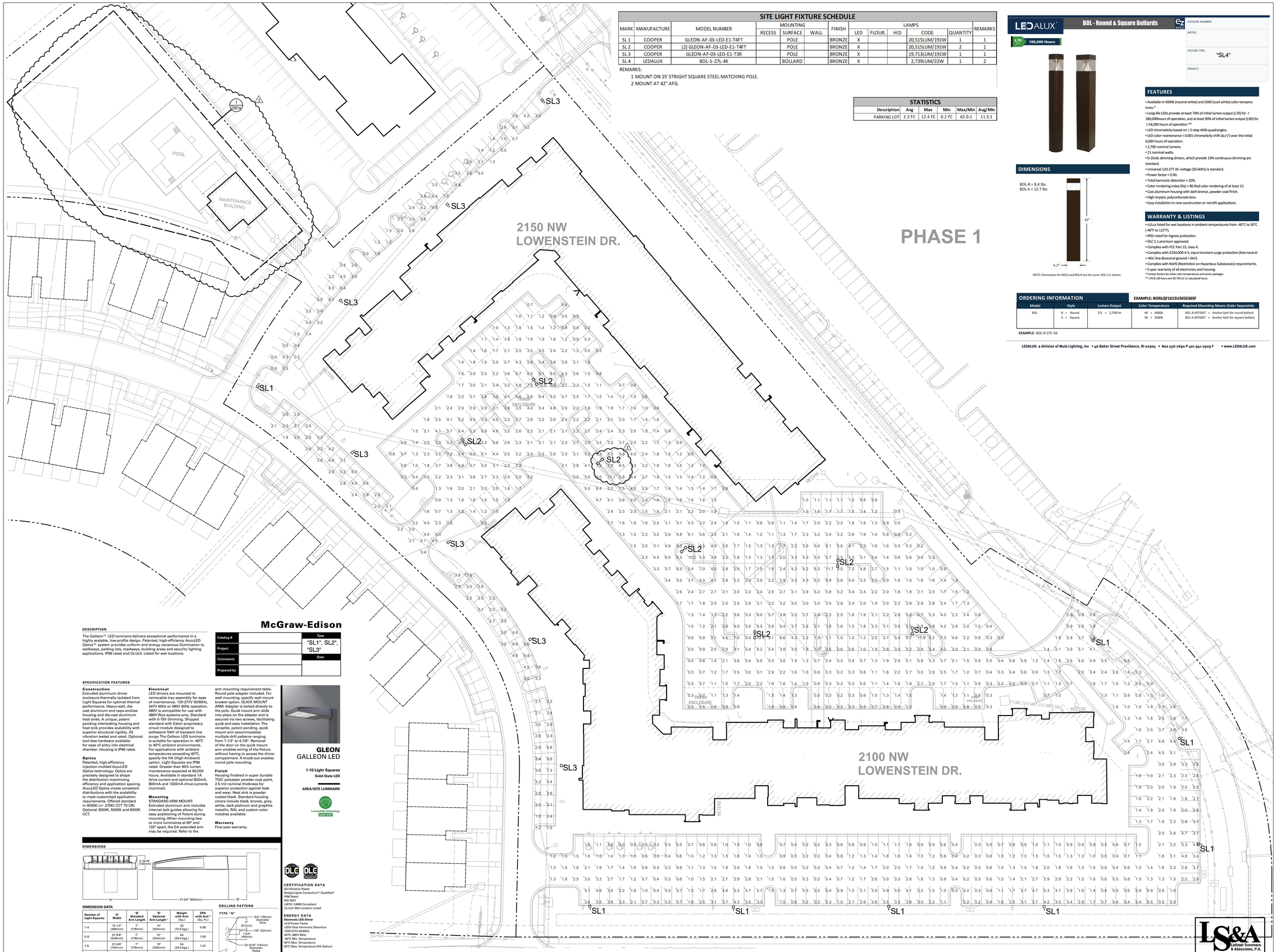
SITE LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURE	MODEL NUMBER	MOUNTING			FINISH	LAMPS					REMARKS
			RECESS	SURFACE	WALL		LED	FLOUR.	HID	CODE	QUANTITY	
SL 1	COOPER	GLEON-AF-03-LED-E1-T4FT		POLE		BRONZE	X			20,515LUM/191W	1	1
SL 2	COOPER	(2) GLEON-AF-03-LED-E1-T4FT		POLE		BRONZE	X			20,515LUM/191W	2	1
SL 3	COOPER	GLEON-AF-03-LED-E1-T3R		POLE		BRONZE	X			19,713LUM/191W	1	1
SL 4	LEDALUX	BOL-S-27L-4K		BOLLARD		BRONZE	X			2,739LUM/22W	1	2

REMARKS:
1 MOUNT ON 25' STRIGHT SQUARE STEEL MATCHING POLE.
2 MOUNT AT 42" AFG.

STATISTICS

Description	Avg	Max	Min	Max/Min	Avg/Min
PARKING LOT	2.3 FC	12.4 FC	0.2 FC	62.0:1	11.5:1



1 SITE PLAN - PHOTOMETRIC
1"=30'-0" PHOTOMETRIC

LEDALUX — BOL - Round & Square Bollards

L70 180,000 Hours

CATALOG NUMBER:
NOTES:
FIXTURE TYPE: "SL4"
PROJECT:

DIMENSIONS

BOL-R = 8.4 lbs.
BOL-S = 12.7 lbs

NOTE: Dimensions for BOLS and BOLR are the same. BOL-S is shown.

FEATURES

- Available in 4000k (neutral white) and 5000 (cool white) color temperatures.*
- Long-life LEDs provide at least 70% of initial lumen output (L70) for ≥ 180,000hours of operation, and at least 90% of initial lumen output (L90) for ≥ 54,000 hours of operation.**
- LED chromaticity based on ≤ 5-step ANSI quadrangles.
- LED color maintenance ≤ 0.001 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- 2,700 nominal lumens.
- 21 nominal watts.
- 0-10vdc dimming drivers, which provide 10% continuous dimming are standard.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index (Ra) > 80.Red color rendering of at least 15.
- Cast aluminum housing with dark bronze, powder coat finish.
- High-impact, polycarbonate lens.
- Easy installation in new construction or retrofit applications.

WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -40°C to 50°C (-40°F to 122°F).
- IP65 rated for ingress protection.
- DLC 5.1 premium approved.
- Complies with FCC Part 15, class A.
- Complies with IC61000-4-5, input transient surge protection (line-neutral = 4kV, line-&neutral-ground = 6kV).
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- 5-year warranty of all electronics and housing.

* Contact factory for other color temperatures and lumen packages.
** L70 & L90 hours are IES TM-21-11 calculated hours.

ORDERING INFORMATION

EXAMPLE: BORLQF1X15USKSS365F

Model	Style	Lumen Output	Color Temperature	Required Mounting Means Order Separately
BOL	R = Round S = Square	27L = 2,700 lm	4K = 4000k 5K = 5000k	BOL-R-MTGKIT = Anchor bolt for round bollard BOL-S-MTGKIT = Anchor bolt for square bollard

EXAMPLE: BOL-R-27L-5K

LEDALUX- a division of Mule Lighting, Inc • 46 Baker Street Providence, RI 02905 • 800 556-7690 P 401 941-2929 F • www.LEDALUX.com

McGraw-Edison

Catalog #		Type
Project		"SL1", SL2", "SL3"
Comments		Date
Prepared by		

DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional hood-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics
Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical
LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480Y/Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting
STANDARD ARM MOUNT:
Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. QUICK MOUNT ARM: Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish
Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty
Five-year warranty.

GLEON
GALLEON LED

1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE

LumenSafe Technology CLICK HERE

DIMENSIONS

DIMENSION DATA

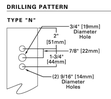
Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length *	Weight with Arm (lbs.)	EPA with Arm * (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

EATON Powering Business Worldwide

DRILLING PATTERN

TYPE "N"



*www.designlights.org

DLC DLC PREMIUM

CERTIFICATION DATA
3G Vibration Rated
DesignLights Consortium® Qualified*
IP66 Rated
ISO 9001
LM79 / LM80 Compliant
UL/cUL Wet Location Listed

ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V, 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

ISO 9001

TD600020EN
June 3, 2019 11:11 AM

STATE OF MISSOURI — RICHARD R. BEARDMORE — NUMBER A-2004018 — PROFESSIONAL ENGINEER
2-11-2022

ARCHITECT
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PLUMBING ENGINEER
ELECTRICAL ENGINEER

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DATE: 7.15.2021

REVISIONS 2

2 FDP COMMENTS	09-28-21
1 REVISION 1	02-11-22

DWG BY CAD/RRB
TR.i PROJECT NO. 20-001
SHEET NO. E001
SITE PLAN - PHOTOMETRIC

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2104008

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1 **PARTIAL SITE PLAN - PHOTOMETRIC**
1"=12'-0" PHOTOMETRIC

NORTH

Avenue LED | 54350ABZ Job Name:_____ Job Type:_____ Quantity:_____ Comments:_____ D



PRODUCT DESCRIPTION
This great architectural outdoor design provides illumination from two places. A slash of light washes down the grated diffuser and out away from the wall while additional light is directed out the bottom straight down that washes the wall and illuminates the walkway below. Available in three sizes and finished in Architectural Bronze.

MEASUREMENTS
DIMENSION : 7" W x 10" H x 2" Ext
BACK PLATE : 7" W x 10" H x 5" HCO
HANGING WEIGHT : 1.97 lb

LAMPING
INPUT VOLTAGE : 120V
LUMENS : 960 Rated (390 Del.)
BULB : 2 x 8W LED PCB Integrated , 16W Total
BULB INCLUDED : (Integrated)
DIMMABLE : Triac CL
CRI : 80+ CRI
COLOR_TEMP : 3000K
LIGHTING_DIRECTION : Down

FINISHES OPTION
Architectural Bronze

MATERIAL
Aluminum

RATINGS
cETLus
Wet Location
For OutdoorADA
DARKSKY

ADDITIONAL
INSTALL UP/DOWN: Down
OPERATING TEMPERATURE: -20°C (-4°F), 40°C (104°F)

PHOTOMETIC: Report Found Online

Always consult a qualified electrician before installing any lighting product.

MAXIM LIGHTING

WESTERN DISTRIBUTION CENTER (HEADQUARTER)
253 NORTH VINELAND AVE I CITY OF INDUSTRY, CA 91746

EASTERN DISTRIBUTION CENTER
4200 SHIRLEY DR. I ATLANTA, GA 30336

P. 626.956.4200 I **F.** 626.956.4225 I maximlighting.com

NEW SHEET

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2104008

STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010019104
PROFESSIONAL ENGINEER
2-11-2022

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CIVIL ENGINEER
GENERAL CONTRACTOR
MECHANICAL ENGINEER
PLUMBING ENGINEER
ELECTRICAL ENGINEER

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REVISIONS 2

2 FDP COMMENTS	09-28-21
1 REVISION 1	02-11-22

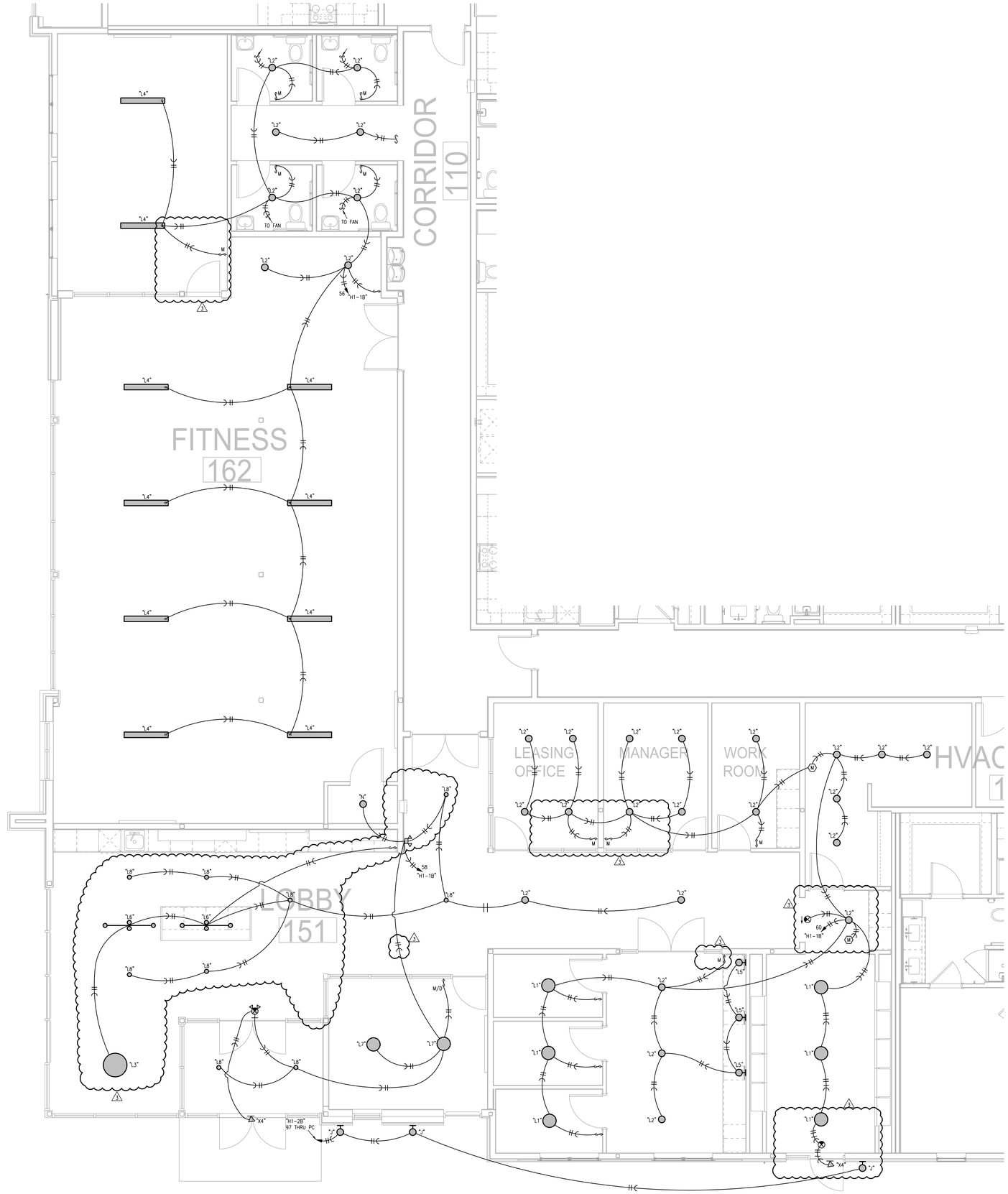
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TR,i PROJECT NO. 20-001

SHEET NO.
E001a

SITE PLAN - PHOTOMETRIC

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1 **BLDG 1-B, PARTIAL FIRST FLOOR PLAN - LIGHTING**
1/4"=1'-0"

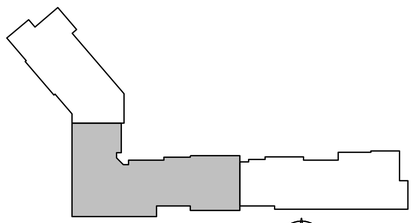
NORTH

NOTES:

1. ALL STAIR LIGHTS ARE TYPE "A2" UNLESS NOTED OTHERWISE.
2. ALL ● ARE TYPE "X1" UNLESS NOTED OTHERWISE.
3. ALL ⊗ ARE TYPE "X2" UNLESS NOTED OTHERWISE.
4. ALL ⊕ ARE TYPE "X5" UNLESS NOTED OTHERWISE.
5. CONNECT FIRE/SMOKE DAMPERS SHOWN ON MECHANICAL PLANS TO 120V. AND FIRE ALARM RELAY TO SHUT UPON SMOKE DETECTION IN CORRIDORS.
6. SEE UNIT PLANS FOR FURTHER WORK.
7. LIGHTS AT APT. ENTRY DOORS CONNECT TO APT. HOT CIRCUIT.
8. ALL AHU'S HAVE AUTO DAMPER/THERMOSTAT SYSTEM TO WIRE. SEE HVAC PLANS.
9. EXIT SIGNS SHALL BE READILY VISIBLE TO OCCUPANTS.
10. SEE ARCH. REFLECTED CEILING PLANS FOR DIMENSIONS.
11. "DP-1" DENOTES DISTRIBUTION PANEL.

LEGEND:

(1) ROUTE CIRCUIT THRU PHOTOCELL.



KEY PLAN
NO SCALE

NORTH

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RICHARD R. BEARDMORE
NUMBER 2010018744
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2-11-2022

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GENERAL CONTRACTOR
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PLUMBING ENGINEER
ELECTRICAL ENGINEER

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REVISIONS (2)
(2) PERMIT REVIEW COMMENTS 08-17-21
(1) REVISION 1 02-11-22

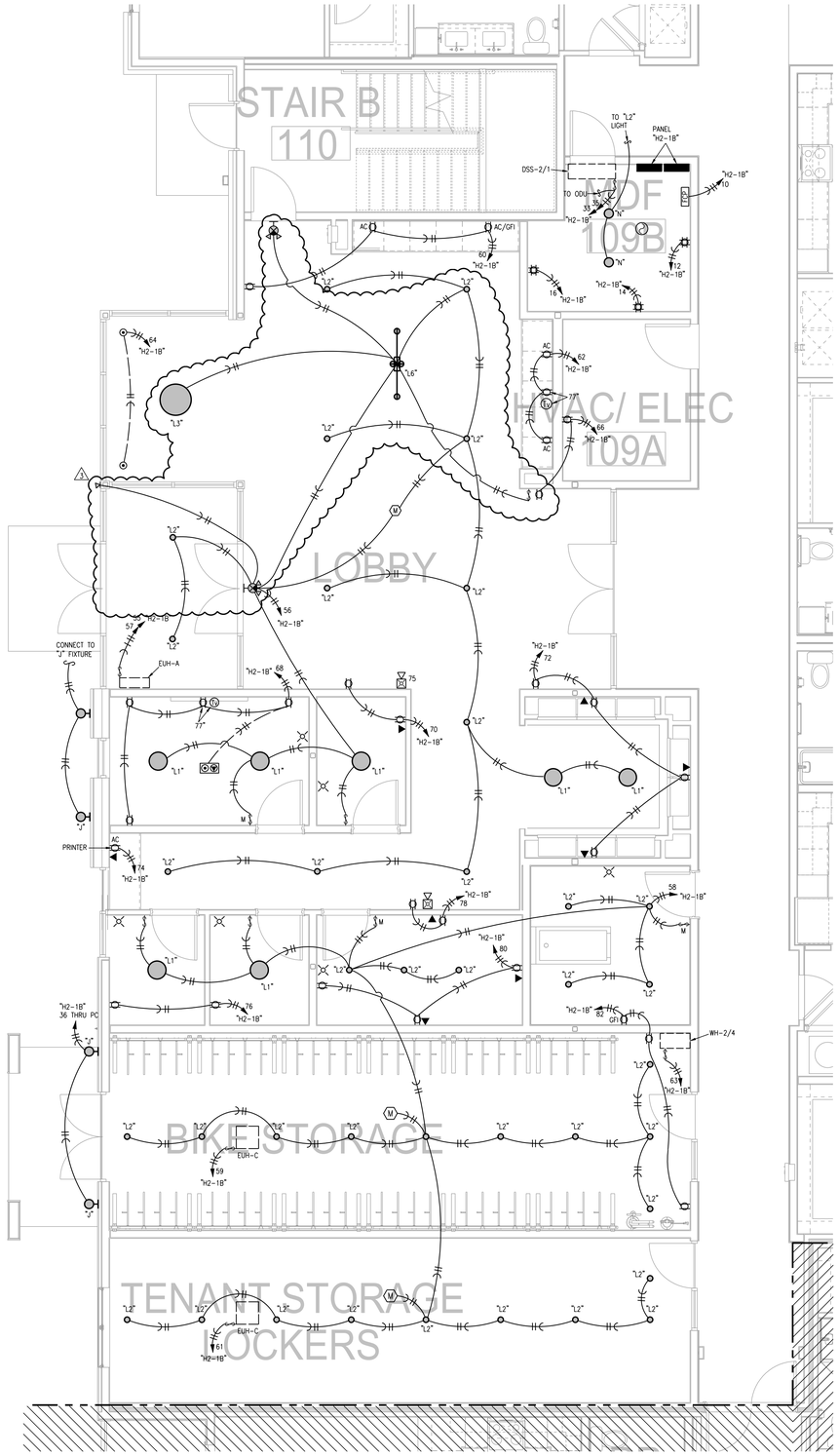
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TR,i PROJECT NO. 20-001

SHEET NO.
E102a

BLDG 1-B, PARTIAL FIRST FLOOR PLAN - ELECTRICAL

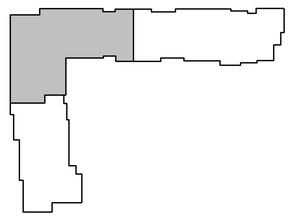
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1 **BLDG 2-B, PARTIAL FIRST FLOOR PLAN**
1/4"=1'-0" ELECTRICAL NORTH

NOTES:
1. ALL ⊙ ARE TYPE "A2" UNLESS NOTED OTHERWISE.
2. ALL STAIR LIGHTS ARE TYPE "A" UNLESS NOTED OTHERWISE.
3. ALL ⊗ ARE TYPE "X1" UNLESS NOTED OTHERWISE.
4. ALL ⊗ ARE TYPE "X2" UNLESS NOTED OTHERWISE.
5. ALL ⊗ ARE TYPE "X5" UNLESS NOTED OTHERWISE.
6. ALL ▬ STAIR LIGHTS ARE TYPE "P" U.N.O.
7. CONNECT FIRE/SMOKE DAMPERS SHOWN ON MECHANICAL PLANS TO 120V. AND FIRE ALARM RELAY TO SHUT UPON SMOKE DETECTION IN CORRIDORS.
8. SEE UNIT PLANS FOR FURTHER WORK.
9. LIGHTS AT APT. ENTRY DOORS CONNECT TO APT. HOT CIRCUIT.
10. ALL AHU'S HAVE AUTO DAMPER/THERMOSTAT SYSTEM TO WIRE. SEE HVAC PLANS.
11. EXIT SIGNS SHALL BE READILY VISIBLE TO OCCUPANTS.
12. EXTERIOR LIGHTING TO BE ROUTED THRU PHOTOCELL.
13. "DP-1" DENOTES DISTRIBUTION PANEL.

LEGEND:
(1) TO LIGHTING CONTROL PANEL.



KEY PLAN
NO SCALE NORTH

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NUMBER PE-2010018744
PROFESSIONAL ENGINEER
2-11-2022

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CIVIL ENGINEER	CIVIL
GENERAL CONTRACTOR	GENERAL CONTRACTOR
MECHANICAL ENGINEER	ENGINEER
PLUMBING ENGINEER	PLUMBING
ELECTRICAL ENGINEER	ELECTRICAL

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REVISIONS (2)

2 PERMIT REVIEW COMMENTS	08-17-21
1 RFI	02-02-22
1 REVISION 1	02-11-22

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TR.i PROJECT NO. 20-001

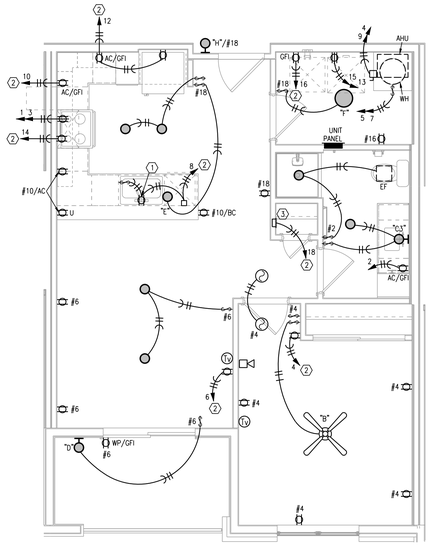
SHEET NO.

E114a

BLDG 2-B, PARTIAL FIRST FLOOR PLAN - ELECTRICAL

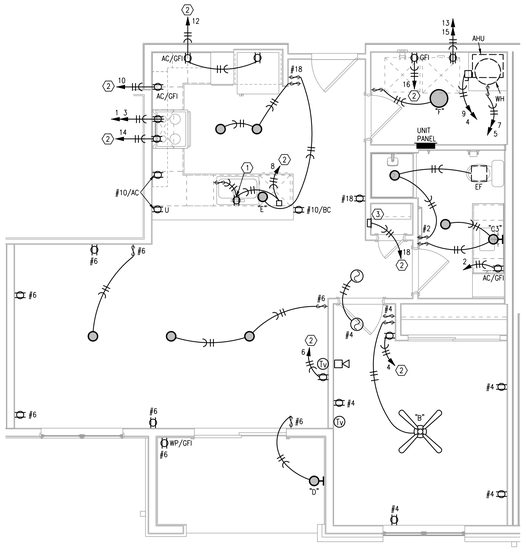
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NOTES:
SEE INTERIORS CEILING PLANS FOR LIGHTING PLACEMENT.



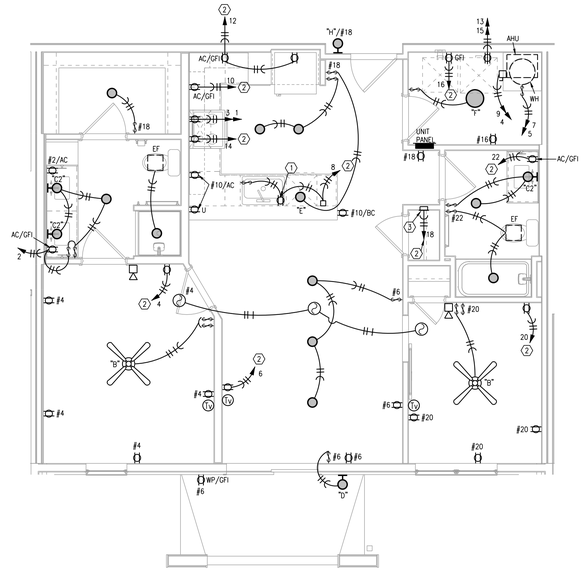
1 TYPICAL UNIT PLAN - A1

1/4"=1'-0" (UNITS A1-1, A1-2 SIMILAR) ELECTRICAL



2 TYPICAL UNIT PLAN - A2

1/4"=1'-0" ELECTRICAL



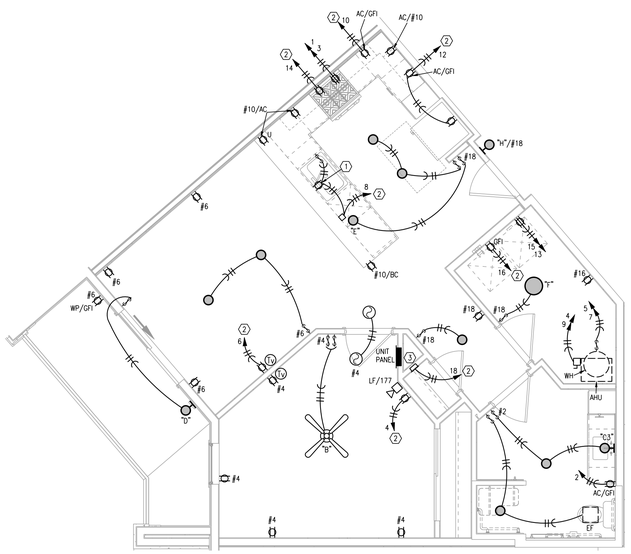
3 TYPICAL UNIT PLAN - A3

1/4"=1'-0" ELECTRICAL

NOTES:
1. ENTRY FIXTURE IN HALLWAYS ARE WIRED TO UNIT CIRCUIT. MOUNT AT 72"AFF, VERIFY WITH ARCHITECT.
2. CEILING FAN SWITCHES PROVIDED WITH FAN. CONTROL LIGHT AND FAN SEPARATELY. INTENDED FOR SINGLE GANG BOX.
3. CENTER ISLAND/PENINSULA PENDANT LIGHTS OVER BASE BACK WALL AND CENTERED EQUALLY LEFT TO RIGHT OVER SINK. THESE ARE SEPARATELY SWITCHED.
4. GENERALLY CENTER LIGHT ON WINDOWS, DOOR, HALLWAYS, SINKS, OVER TUBS, ETC. VERIFY ALL LOCATIONS IN EACH UNIT DIMENSIONALLY WITH ARCHITECT, INTERIOR DESIGNER AND OWNER. MOUNT SWITCHES CLOSE TO DOORS OR WALL CORNERS.
5. THERMOSTATS HAVE LOW VOLTAGE WIRE BACK TO AHU. CONDENSING UNITS HAVE LOW VOLTAGE WIRE BACK TO AHU.
6. (S) = 120V. SMOKE ALARM WITH BATTERY BACK-UP AND AUXILIARY CONTACT SO ALL SOUND TOGETHER.
7. ALL ARC-FAULT CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH CEILING FANS, COMPACT AND STANDARD FLUORESCENT LAMPS/FIXTURES AND OTHER ELECTRONIC DEVICES.
8. PROVIDE PROTECTION AT ELECTRICAL BOXES AT RATED CEILING MEMBRANES PER IBC 712.4.1.2(2). BOXES TO BE LISTED FOR RATED MEMBRANES, NOT EXCEED 16 SQUARE INCHES, NOT COMBINE FOR MORE THAN 100 SQUARE INCHES IN 100 SQUARE FEET AND ANNULAR SPACE NOT EXCEED 1/8".
9. FIRE ALARM HORN/STROBE CIRCUITS SHALL BE SIZED TO ACCEPT BEDROOM HORN/STROBES IN FUTURE INCLUDING WIRING AND PANEL CAPACITY.
10. ALL RANGES SERVED BY (3) #8 & (1) #10 AND 50A. RECEPTACLE.
11. ALL WATER HEATERS SERVED BY (3) #10
12. ALL WASHERS AND REFRIGERATORS HAVE RECEPTACLES AT 48".
13. SEE HVAC SCHEDULE AND SHOP DRAWINGS FOR AHU AND HEAT PUMP CIRCUITS.
14. ALL DRYERS SERVED BY (4) #10 AND 30A. RECEPTACLE.
15. BELOW COUNTER RECEPTACLES AND PLATES SHALL MATCH THE BASE CABINETS WHERE THEY ARE MOUNTED (BROWN, WHITE, ETC.) VERIFY WITH ARCHITECT.
16. EXTERIOR RECEPTACLES SHALL BE ARLINGTON #DBVM1C RECESSED TYPE.
17. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR DIMENSIONS & SCHEDULE.
18. MOUNT TOP BREAKER IN UNIT PANELS AT 48".

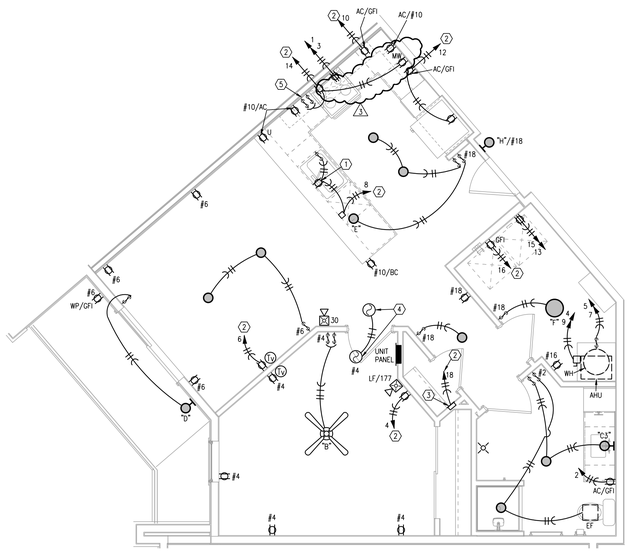
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(4) SMOKE ALARM TO HAVE STROBES.
(5) CONNECT RANGE HOOD TO TWO SWITCHES ABOVE COUNTER TO CONTROL LIGHT AND FAN.

ELECTRICAL SYMBOLS LEGEND;
DUPLEX RECEPTACLE.
120/240V. RECEPTACLE. 30A. FOR DRYER, 50A. FOR RANGE.
$_{SW}$ RECEPTACLE HALF SWITCHED.
$_{U}$ USB CHARGING COMB. RECEPTACLE.
▼ DATA OUTLET.
(TV) COMBINATION CATV/DATA OUTLET.
AC ABOVE COUNTER
BC BELOW COUNTER
LOW FREQUENCY HORN
TYPE "A" FIXTURE



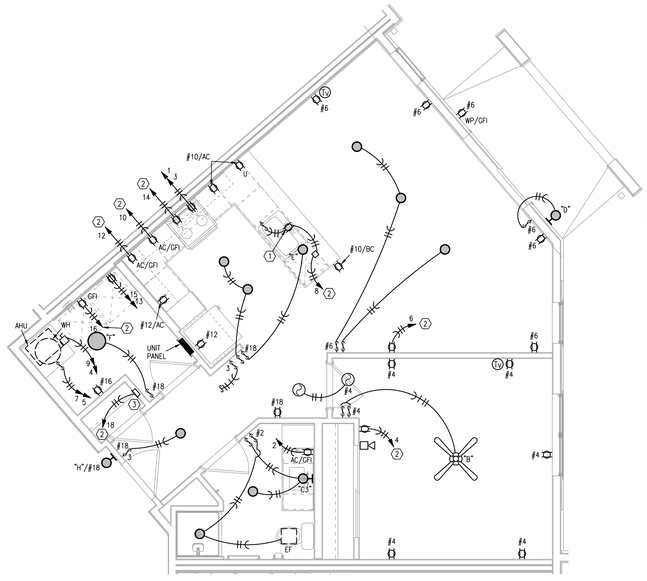
4 TYPICAL UNIT PLAN - A4

1/4"=1'-0" ELECTRICAL



5 TYPICAL UNIT PLAN - A4 TYPE A

1/4"=1'-0" ELECTRICAL



6 TYPICAL UNIT PLAN - A5

1/4"=1'-0" ELECTRICAL

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LSA PROJECT NO. 2104008

STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER PE-2010018744
PROFESSIONAL ENGINEER
02-11-2022

ARCHITECT	
STRUCTURAL ENGINEER	
CIVIL ENGINEER	
GENERAL CONTRACTOR	
MECHANICAL ENGINEER	
PLUMBING ENGINEER	
ELECTRICAL ENGINEER	

TR.i ARCHITECTS	
STRUCTURAL	
CIVIL	
GENERAL CONTRACTOR	
ENGINEER	
PLUMBING	
ELECTRICAL	

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DATE: 7.15.2021

REVISIONS 2

1 REVISION 1	02-11-22

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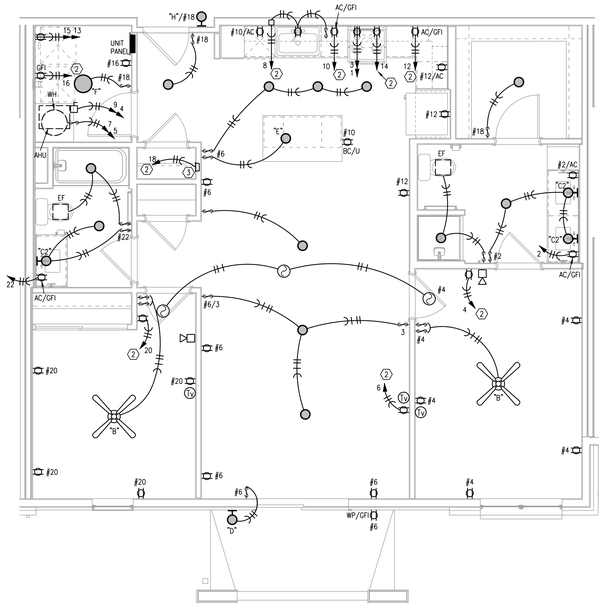
TR.i PROJECT NO. 20-001

SHEET NO.

E201

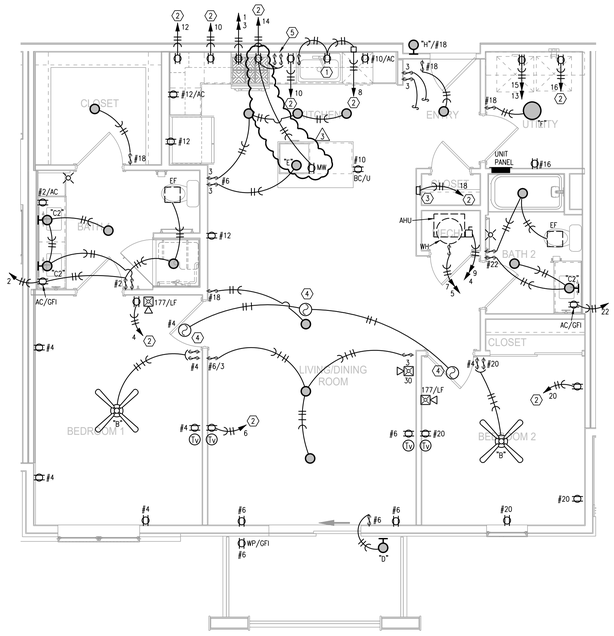
TYPICAL UNIT PLANS - ELECTRICAL

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1 TYPICAL UNIT PLAN - B1

1/4"=1'-0" (UNITS B1-1, B1-2, B1-3 SIMILAR) ELECTRICAL



2 TYPICAL UNIT PLAN - B1 TYPE A

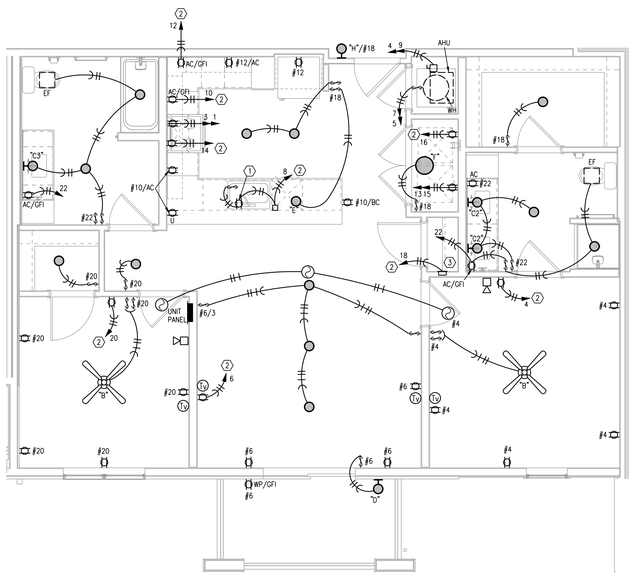
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120/240V. RECEPTACLE. 30A. FOR DRYER, 50A. FOR RANGE.
RECEPTACLE HALF SWITCHED.
USB CHARGING COMB. RECEPTACLE.
DATA OUTLET.
COMBINATION CATV/DATA OUTLET.
AC ABOVE COUNTER
BC BELOW COUNTER
LOW FREQUENCY HORN
TYPE "A" FIXTURE

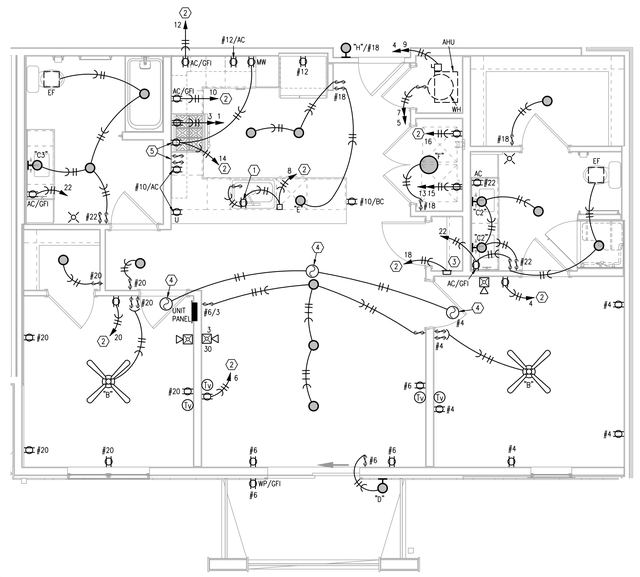
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NOTES:
SEE INTERIORS CEILING PLANS FOR LIGHTING PLACEMENT.



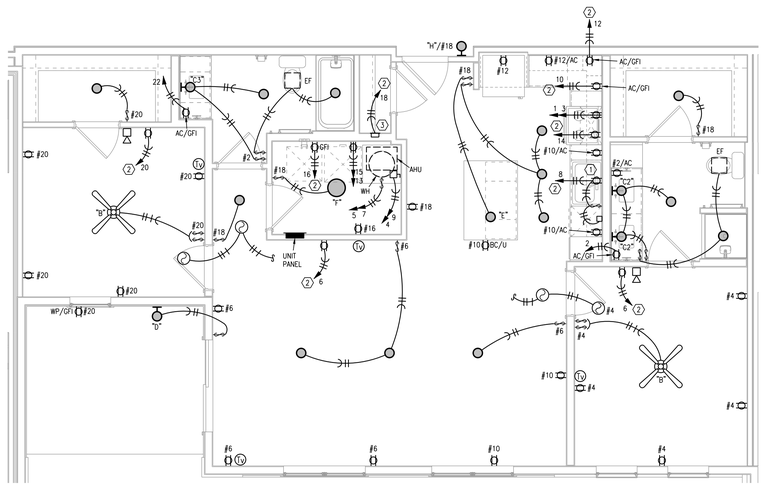
3 TYPICAL UNIT PLAN - B2

1/4"=1'-0" ELECTRICAL



4 TYPICAL UNIT PLAN - B2 TYPE A

1/4"=1'-0" ELECTRICAL



5 TYPICAL UNIT PLAN - B3

1/4"=1'-0" (UNIT B3-1 SIMILAR) ELECTRICAL

STATE OF MISSOURI
RICHARD R. BEARDMORE
PROFESSIONAL ENGINEER
02-11-2022

ARCHITECT
STRUCTURAL ENGINEER
CIVIL ENGINEER
GENERAL CONTRACTOR
MECHANICAL ENGINEER
PLUMBING ENGINEER
ELECTRICAL ENGINEER

TR;i ARCHITECTS
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CIVIL
GENERAL CONTRACTOR
ENGINEER
PLUMBING
ELECTRICAL

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The Signature at West Pryor

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DATE: 7.15.2021

REVISIONS (4)

(2) PERMIT REVIEW COMMENTS	08-17-21
(1) REVISION 1	02-11-22

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TR;i PROJECT NO. 20-001

SHEET NO.

E202

TYPICAL UNIT PLANS - ELECTRICAL

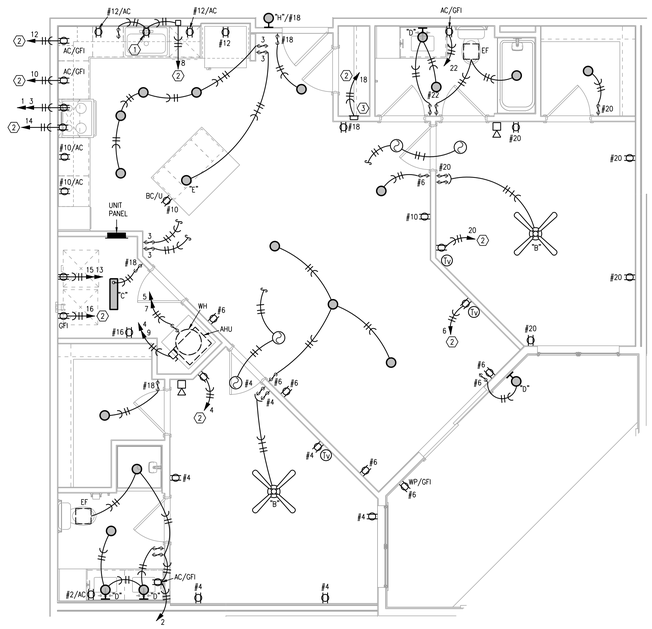
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LSA PROJECT NO. 2104008

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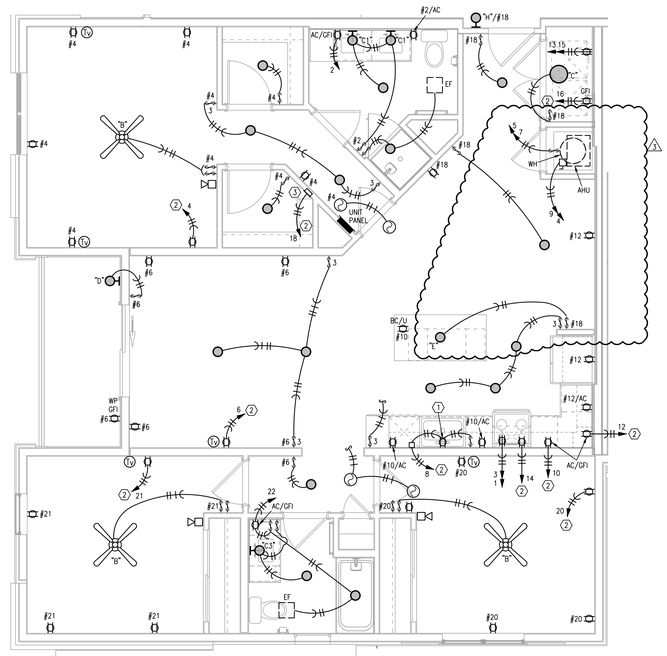
NOTES:

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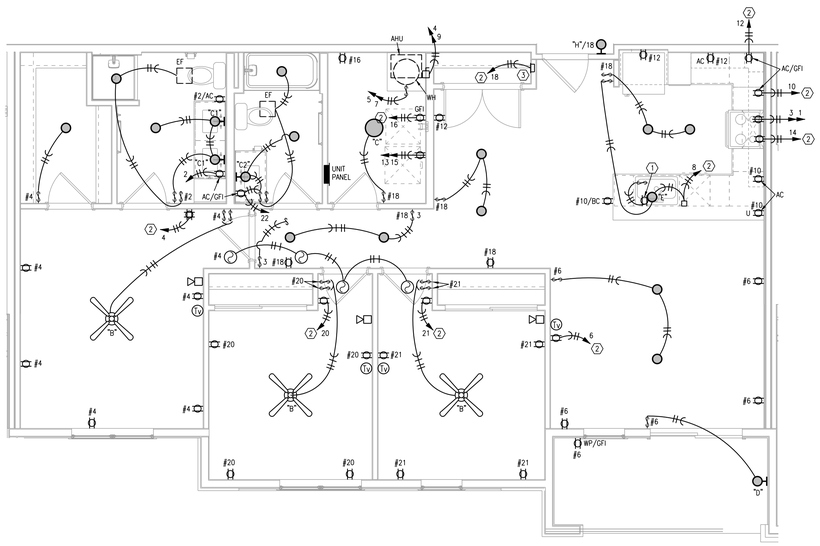
1 TYPICAL UNIT PLAN - B4

1/4"=1'-0" ELECTRICAL



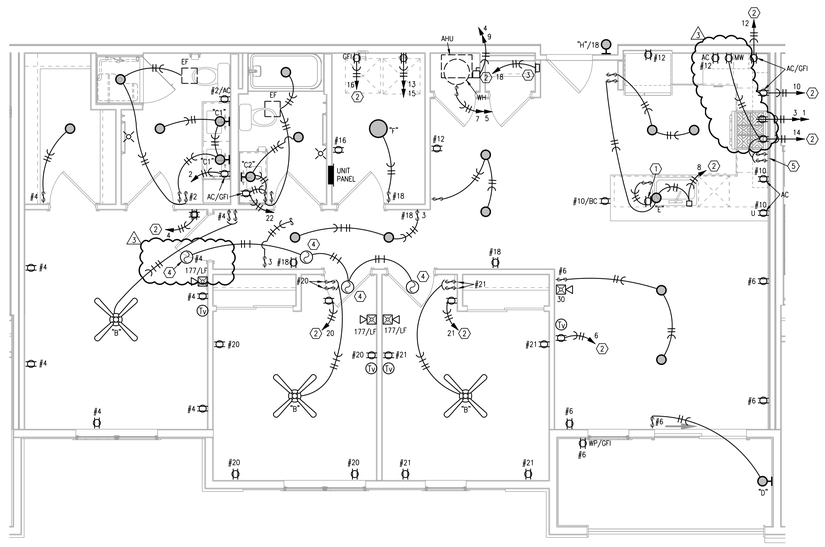
2 TYPICAL UNIT PLAN - C1

1/4"=1'-0" (UNIT C1-1 SIMILAR) ELECTRICAL



3 TYPICAL UNIT PLAN - C2

1/4"=1'-0" (UNIT C2-1 SIMILAR) ELECTRICAL



4 TYPICAL UNIT PLAN - C2 TYPE A

1/4"=1'-0" ELECTRICAL

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1. ENTRY FIXTURE IN HALLWAYS ARE WIRED TO UNIT CIRCUIT. MOUNT AT 72"AFF, VERIFY WITH ARCHITECT.
2. CEILING FAN SWITCHES PROVIDED WITH FAN. CONTROL LIGHT AND FAN SEPARATELY. INTENDED FOR SINGLE GANG BOX.
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LEGEND:

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ELECTRICAL SYMBOLS LEGEND;

- DUPLEX RECEPTACLE.
- 120/240V. RECEPTACLE. 30A. FOR DRYER, 50A. FOR RANGE.
- SW RECEPTACLE HALF SWITCHED.
- U USB CHARGING COMB. RECEPTACLE.
- ▼ DATA OUTLET.
- TV COMBINATION CATV/DATA OUTLET.
- AC ABOVE COUNTER
- BC BELOW COUNTER
- LOW FREQUENCY HORN
- TYPE "A" FIXTURE

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LSA PROJECT NO. 2104008

STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010018744
PROFESSIONAL ENGINEER
02-11-2022

ARCHITECT	
STRUCTURAL ENGINEER	
CIVIL ENGINEER	
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TR.i ARCHITECTS	
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ELECTRICAL	

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REVISIONS 2

1 REVISION 1	02-11-22

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TR.i PROJECT NO. 20-001

SHEET NO.

E203

TYPICAL UNIT PLANS - ELECTRICAL

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Multi-Family Building Load Analysis

Building: 1-1A, 1-1B

Unit Quantity	Unit Type	Connected Load - VA	Total KVA
15	A1	31460	471.9
5	A2, A4, A5	31870	159.4
0	A3	32170	0.0
24	B1, B2	33070	793.7
15	B3, B4	33025	495.4
7	C1	35600	249.2
3	C2	35240	105.7

Total Building KVA	2275.2
Total Units	69
Diversity per NEC Table 230.84	0.23
Diversified KVA	523.3
Amps @ 208 V Three Phase	1454
House Load - Amps	300
Total Demand - Amps	1754

Multi-Family Building Load Analysis

Building: 1-1A

Unit Quantity	Unit Type	Connected Load - VA	Total KVA
6	A1	31460	188.8
	A2, A4, A5	31870	0.0
	A3	32170	0.0
12	B1, B2	33070	396.8
3	B3, B4	33025	99.1
6	C1	35600	213.6
	C2	35240	

Total Building KVA	898.3
Total Units	27
Diversity per NEC Table 230.84	0.34
Diversified KVA	305.4
Amps @ 208 V Three Phase	848
House Load - Amps	150
Total Demand - Amps	998

Multi-Family Building Load Analysis

Building: 1-1B

Unit Quantity	Unit Type	Connected Load - VA	Total KVA
9	A1	31460	283.1
5	A2, A4, A5	31870	159.4
	A3	32170	0.0
12	B1, B2	33070	396.8
12	B3, B4	33025	396.3
1	C1	35600	35.6
3	C2	35240	105.72

Total Building KVA	1377.0
Total Units	42
Diversity per NEC Table 230.84	0.26
Diversified KVA	358.0
Amps @ 208 V Three Phase	994
House Load - Amps	350
Total Demand - Amps	1344

Multi-Family Building Load Analysis

Building: 1-2

Unit Quantity	Unit Type	Connected Load - VA	Total KVA
18	A1	31460	566.3
6	A2, A4, A5	31870	191.2
	A3	32170	0.0
	B1, B2	33070	0.0
3	B3, B4	33025	99.1
6	C1	35600	213.6
	C2	35240	

Total Building KVA	1070.2
Total Units	33
Diversity per NEC Table 230.84	0.31
Diversified KVA	331.8
Amps @ 208 V Three Phase	922
House Load - Amps	150
Total Demand - Amps	1072

Multi-Family Building Load Analysis

Building: 2-1A, B

Unit Quantity	Unit Type	Connected Load - VA	Total KVA
12	A1	31460	377.5
0	A2, A4, A5	31870	0.0
3	A3	32170	96.5
34	B1, B2	33070	1124.4
3	B3, B4	33025	99.1
3	C1	35600	106.8
6	C2	35240	211.4

Total Building KVA	2015.7
Total Units	61
Diversity per NEC Table 230.84	0.24
Diversified KVA	483.8
Amps @ 208 V Three Phase	1344
House Load - Amps	300
Total Demand - Amps	1644

Multi-Family Building Load Analysis

Building: 2-1A

Unit Quantity	Unit Type	Connected Load - VA	Total KVA
6	A1	31460	188.8
	A2, A4, A5	31870	0.0
	A3	32170	0.0
3	B1, B2	33070	99.2
	B3, B4	33025	0.0
6	C1	35600	213.6
6	C2	35240	211.4

Total Building KVA	713.0
Total Units	21
Diversity per NEC Table 230.84	0.37
Diversified KVA	263.8
Amps @ 208 V Three Phase	733
House Load - Amps	150
Total Demand - Amps	883

Multi-Family Building Load Analysis

Building: 2-1 B

Unit Quantity	Unit Type	Connected Load - VA	Total KVA
3	A1	31460	94.4
	A2, A4, A5	31870	0.0
	A3	32170	0.0
19	B1, B2	33070	628.3
3	B3, B4	33025	99.1
3	C1	35600	106.8
	C2	35240	

Total Building KVA	928.6
Total Units	28
Diversity per NEC Table 230.84	0.33
Diversified KVA	306.4
Amps @ 208 V Three Phase	851
House Load - Amps	300
Total Demand - Amps	1151

Multi-Family Building Load Analysis

Building: 2-2

Unit Quantity	Unit Type	Connected Load - VA	Total KVA
9	A1	31460	283.1
	A2, A4, A5	31870	0.0
3	A3	32170	96.5
15	B1, B2	33070	496.1
	B3, B4	33025	0.0
	C1	35600	0.0
6	C2	35240	211.4

Total Building KVA	1087.1
Total Units	33
Diversity per NEC Table 230.84	0.31
Diversified KVA	337.0
Amps @ 208 V Three Phase	936
House Load - Amps	150
Total Demand - Amps	1086

Unit Load Calculation

Unit: A1

630 square feet at 3 VA per sq. ft.			1890
2 small appliance circuits			3000
Range			8000
Microwave			1000
Washer			1500
Dryer			4400
Water Heater			4500
Dishwasher			740
Disposer			850
Total general load			25880
NEC 220-84 Calculation			
First 10 KVA at 100%			10000
Remainder at 40%			6352
Heater Load	5600	65%	3640
Total load			19992
Load for unit service Amp @		208 volt/1	96
Connected Load			31480

Unit Load Calculation

Unit: A2, A4, A5

760 square feet at 3 VA per sq. ft.			2280
2 small appliance circuits			3000
Range			8000
Microwave			1000
Washer			1500
Dryer			4400
Water Heater			4500
Dishwasher			740
Disposer			850
Total general load			26270
NEC 220-84 Calculation			
First 10 KVA at 100%			10000
Remainder at 40%			6508
Heater Load	5600	65%	3640
Total load			20148
Load for unit service Amp @		208 volt/1	97
Connected Load			31870

Unit Load Calculation

Unit: A3

860 square feet at 3 VA per sq. ft.			2580
2 small appliance circuits			3000
Range			8000
Microwave			1000
Washer			1500
Dryer			4400
Water Heater			4500
Dishwasher			740
Disposer			850
Total general load			26570
NEC 220-84 Calculation			
First 10 KVA at 100%			10000
Remainder at 40%			6628
Heater Load	5600	65%	3640
Total load			20268
Load for unit service Amp @		208 volt/1	97
Connected Load			32170

Unit Load Calculation

Unit: B1, B2

1160 square feet at 3 VA per sq. ft.			3480
2 small appliance circuits			3000
Range			8000
Microwave			1000
Washer			1500
Dryer			4400
Water Heater			4500
Dishwasher			740
Disposer			850
Total general load			27470
NEC 220-84 Calculation			
First 10 KVA at 100%			10000
Remainder at 40%			6988
Heater Load	5600	65%	3640
Total load			20628
Load for unit service Amp @		208 volt/1	99
Connected Load			33070

Unit Load Calculation

Unit: B3, B4

1145 square feet at 3 VA per sq. ft.			3435
2 small appliance circuits			3000
Range			8000
Microwave			1000
Washer			1500
Dryer			4400
Water Heater			4500
Dishwasher			740
Disposer			850
Total general load			27425
NEC 220-84 Calculation			
First 10 KVA at 100%			10000
Remainder at 40%			6970
Heater Load	5600	65%	3640
Total load			20610
Load for unit service Amp @		208 volt/1	99
Connected Load			33025

Unit Load Calculation

Unit: C1

1370 square feet at 3 VA per sq. ft.			4110
2 small appliance circuits			3000
Range			8000
Microwave			1000
Washer			1500
Dryer			4400
Water Heater			4500
Dishwasher			740
Disposer			850
Total general load			28100
NEC 220-84 Calculation			
First 10 KVA at 100%			10000
Remainder at 40%			7240
Heater Load	7500	65%	4875
Total load			22115
Load for unit service Amp @		208 volt/1	106
Connected Load			35600

Unit Load Calculation

Unit: C2

1250 square feet at 3 VA per sq. ft.			3750
2 small appliance circuits			3000
Range			8000
Microwave			1000
Washer			1500
Dryer			4400
Water Heater			4500
Dishwasher			740
Disposer			850
Total general load			27740
NEC 220-84 Calculation			
First 10 KVA at 100%			10000
Remainder at 40%			7096
Heater Load	7500	65%	4875
Total load			21971
Load for unit service Amp @		208 volt/1	106
Connected Load			35240

ELECTRICAL PANEL SCHEDULE

PANEL: A1, A2, A4 — POLES: 18 — MOUNTING: FLUSH

BUS: 125A — MAINS: MLO — VOLTAGE: 120/240 — PHASE/WIRE: 1 Ph 3 Wire — KAIC 10K

CIRCUIT NUMBERS	DESCRIPTION	AMPS	POLES	QUANTITY
1, 3	RANGE	40	2	1
5, 7, 13, 15	WATER HEATER, DRY ER	30	2	2
9, 11	AHU	40	2	1
17, 19	CONDENSING UNIT	20	2	1
2	LIGHTS AND RECEPTACLES	20	1	1
4 THRU 18 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES	20	1	8
20	SPARE	20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: A3 — POLES: 24 — MOUNTING: FLUSH

BUS: 125A — MAINS: MLO — VOLTAGE: 120/240 — PHASE/WIRE: 1 Ph 3 Wire — KAIC 10K

CIRCUIT NUMBERS	DESCRIPTION	AMPS	POLES	QUANTITY
1, 3	RANGE	40	2	1
5, 7, 13, 15	WATER HEATER, DRY ER	30	2	2
9, 11	AHU	40	2	1
17, 19	CONDENSING UNIT	25	2	1
2, 22	LIGHTS AND RECEPTACLES	20	1	2
4 THRU 20 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES	20	1	9
21	SPARE	20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: A5 — POLES: 24 — MOUNTING: FLUSH

BUS: 125A — MAINS: MLO — VOLTAGE: 120/240 — PHASE/WIRE: 1 Ph 3 Wire — KAIC 10K

CIRCUIT NUMBERS	DESCRIPTION	AMPS	POLES	QUANTITY
1, 3	RANGE	40	2	1
5, 7, 13, 15	WATER HEATER, DRY ER	30	2	2
9, 11	AHU	40	2	1
17, 19	CONDENSING UNIT	25	2	1
2	LIGHTS AND RECEPTACLES	20	1	1
4 THRU 18 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES	20	1	8
21	SPARE	20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: ALL B UNITS — POLES: 24 — MOUNTING: FLUSH

BUS: 125A — MAINS: MLO — VOLTAGE: 120/240 — PHASE/WIRE: 1 Ph 3 Wire — KAIC 10K

CIRCUIT NUMBERS	DESCRIPTION	AMPS	POLES	QUANTITY
1, 3	RANGE	40	2	1
5, 7, 13, 15	WATER HEATER, DRY ER	30	2	2
9, 11	AHU	40	2	1
17, 19	CONDENSING UNIT	25	2	1
2, 22	LIGHTS AND RECEPTACLES	20	1	2
4 THRU 20 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES	20	1	9
21	SPARE	20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: C1, C2 — POLES: 24 — MOUNTING: FLUSH

BUS: 125A — MAINS: MLO — VOLTAGE: 120/240 — PHASE/WIRE: 1 Ph 3 Wire — KAIC 10K

CIRCUIT NUMBERS	DESCRIPTION	AMPS	POLES	QUANTITY
1, 3	RANGE	40	2	1
5, 7, 13, 15	WATER HEATER, DRY ER	30	2	2
9, 11	AHU	60	2	1
17, 19	CONDENSING UNIT	30	2	1
2, 22	LIGHTS AND RECEPTACLES	20	1	2
4 THRU 20 EVEN, 21	ARC-FAULT LIGHTS AND RECEPTACLES	20	1	10
22	SPARE	20	1	1

Common Space Luminaire Schedule

MARK	DESCRIPTION	MFGR	MODEL	MOUNTING	FINISH	LAMPS	NOTES
A	DISK LIGHT	MAXIM	57690WTWT-CHIP 5"	recessed	white	12W LED	
A2	Stair Puck	Liton	LCMPDSR	jb/surface	white	ELV Dimming (120V)	
B	FAN/LIGHT	FANIMATION	FPS8533MW - KWARTET	surface	white		
C1	24" RAIL	MAXIM	52102	surface	satin nickel		
C2	30" RAIL	MAXIM	52103SN	surface	satin nickel		
C3	36" RAIL	MAXIM	52104	surface	satin nickel		
D	OUTDOOR SCONCE/PATIO	MAXIM	54350ABZ - Avenue	wall	bronze		
E	PENDANT	ET2	E20086-BK - ABYSS	pendant	black		
F	GLOBE	ACCESS LIGHTING	49960LEDD-WH/ACR - COMO	surface	white		
H	Entry Door Sconce	by others		wall			
J	Wall wash	Progress	P5630000-020-30K	wall	black	12W LED	
K	String Lights	Honeywell	48' LED Indoor/Outdoor Stringlight	surface		24W LED 1872 Lumens	
L	Strip	Lithonia	MNSL-LA6 1LL MVOLT 40k	surface	white	20W 4000K LED	W/ BATTERY
L1	Decorative Globe 1	Matteo	X8311BKOP	surface			
L2	Disk 1	Maxim	57690 WTWT	recessed			
L3	Decorative Pendant 1	Maxim	COCOON 12190WTPC	pendant			
L4	Linear 1	Access Lighting	24891LEDD-MWH/ACR	surface			
L5	Sconce	Matteo	W83010BKOP 40" AFF	wall			
L6	Linear 2	Matteo	C81704BKOP	surface			
L7	Decorative Globe 1	Matteo	C8311BKOP	surface			
~~L8~~	~~Stair S~~	~~Matteo~~	~~C7541K~~	~~recessed~~			
M	NOT USED						
N	Closet disk with built in motion	Satco	62/1312	surface	white	16.5W LED 4000K 1050LM	
X1	Exit	Royal Pacific	RXL-S-RW	surface	white/red	1.5W LED	remote capable
X2	Exit w/heads	Royal Pacific	RXEL39 - RW	surface	white/red	1.5W LED	
X3	Remote Head	Lithonia	ELA-LED	surface	std	1W LED	
X4	Weatherproof Exit	Lithonia	WLTE W 1 R	surface	std	1W LED	
X5	Dual-Head Emergency	Lithonia	ELM4L	surface	std	640 lumen	

ELECTRICAL PANEL SCHEDULE

PANEL: M — LOCATION: — MOUNTING: SURFACE

BUS: 225 A — MAINS: MLO — VOLTAGE: 120/208 — PHASE/WIRE: 3/4 — KAIC: 10

DESCRIPTION	WATTS A	WATTS B	WATTS C	BRKR	WIRE	POLE	WIRE	BRKR	WATTS A	WATTS B	WATTS C	DESCRIPTION
DRYER	2200			30	8	1 2	12	20	500			LTG
		2200		2P	8	3 4	12	20		500		LTG
DRYER			2200	30	8	5 6	12	20				RECEPT
	2200			2P	8	7 8	12	20	500			WASHER
WH-M		2200		30	8	9 10	12	20		500		WASHER
			2200	2P	8	11 12	12	20			1000	RECEPT
EUH-D	1000			20	12	13 14	12	20	1000			RECEPT
EUH-D		1000		20	12	15 16	12	20		400		RECEPT
AHU-MAINT			5930	70	6	17 18	12	20			400	RECEPT
	5930			2P	6	19 20	12	20	400			RECEPT
CU-MAINT		2200		45	8	21 22	12	20		800		RECEPT
			2200	2P	8	23 24	12	20			400	RECEPT
EUH-B	4370			60	6	25 26	12	20	200			RECEPT
		4370		2P	6	27 28	12	20		400		RECEPT
RECEPT			400	20	12	29 30	12	20			400	RECEPT
SITE LIGHTING	800			20	10	31 32	12	20	500			MOTOR
						33 34	12	20		400		RECEPT
						35 36	12	20			400	RECEPT
PANEL P	4000					37 38	12	20	400			RECEPT
		1950				39 40	12	20		400		RECEPT
			1750			41 42		20			400	RECEPT
CONNECTED LOAD-WATTS	23550	17320	17680						FEEDER LOAD-WATTS			
CONNECTED LOAD-AMPS	196	144	147						FEEDER LOAD-AMPS			
CONTINUOUS LOAD									FEEDER WIRE			
RECEPTACLES									FEEDER OCP			
NON-CONTINUOUS LOAD												
OTHER DIVERSIFIED LOAD				@	0.5							

ELECTRICAL PANEL SCHEDULE

PANEL: P — LOCATION: — MOUNTING: SURFACE

BUS: 100 A — MAINS: MLO — VOLTAGE: 120/208 — PHASE/WIRE: 3/4 — KAIC: 10

DESCRIPTION	WATTS A	WATTS B	WATTS C	BRKR	WIRE	POLE	WIRE	BRKR	WATTS A	WATTS B	WATTS C	DESCRIPTION
POOL STARTER	1750			35	8	1 2	12	20	500			POOL HEATER
V ERIFY HP		1750		2P	8	3 4	12	20		200		RECEPTACLES
POOL STARTER			1750	35	8	5 6						
V ERIFY HP	1750			2P	8	7 8						
						9 10						
						11 12						
						13 14						
						15 16						
						17 18						
						19 20						
						21 22						
						23 24						
CONNECTED LOAD-WATTS	4000	1950	1750						FEEDER LOAD-WATTS			
CONNECTED LOAD-AMPS	33	16	15						FEEDER LOAD-AMPS			
CONTINUOUS LOAD									FEEDER WIRE			
RECEPTACLES									FEEDER OCP			
NON-CONTINUOUS LOAD												
OTHER DIVERSIFIED LOAD				@	0.5							

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LSA PROJECT NO. 2104008

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2-11-2022

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DATE: 7.15.2021

REVISIONS 3

3 PERMIT REVIEW COMMENTS	08-17-21
2 FDP COMMENTS	09-28-21
1 REVISION 1	02-11-22

DWG BY CAD/RRB

TR,i PROJECT NO. 20-001

SHEET NO.

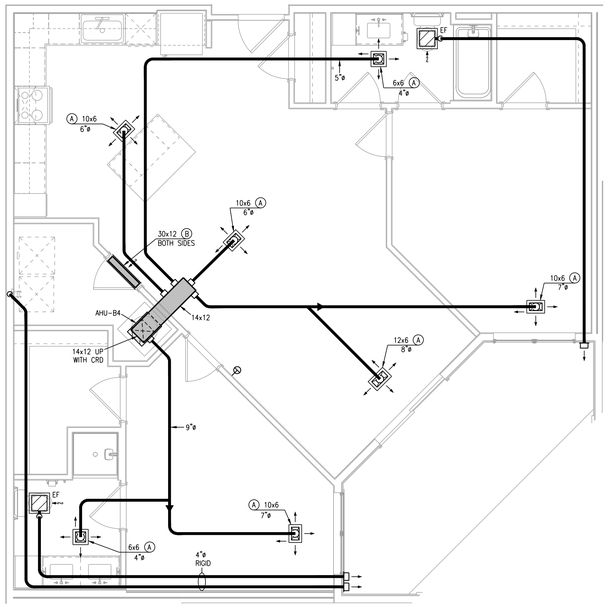
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ELECTRICAL SCHEDULES

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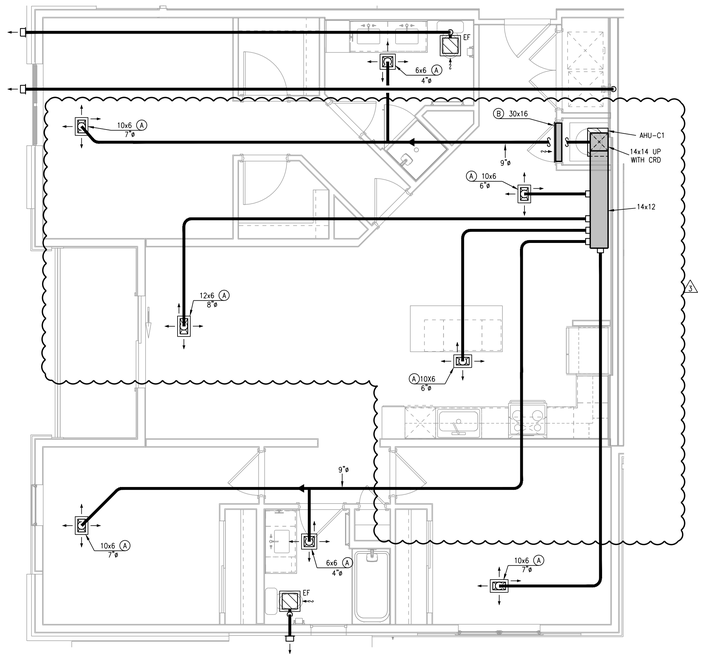
NOTES:

1. ALL TYPE "A" SUPPLY REGISTERS HAVE A UL555C CEILING RADIATION DAMPER UNLESS NOTED OTHERWISE. PROVIDE CRD UNLESS NOTED OTHERWISE AT AHU DISCHARGE AND RATED MEMBRANE.
2. PROVIDE MANUFACTURER REQUIRED CLEARANCES FOR AHU'S AND WATER HEATERS.
3. ALL CONDENSING UNITS ARE ROOF MOUNTED. MANUFACTURER SHALL PROVIDE ANY ACCESSORIES REQUIRED FOR PROPER OPERATION.
4. PROVIDE GUY GRAY MODEL DB350/DB3D DRYER VENT BOX AT ALL DRYER LOCATIONS. NOTE TOP FLOOR SHALL ROUTE THRU FLOOR BELOW.
5. GENERALLY CENTER GRILLES/REGISTERS IN WALLS, OVER DOORS, ALIGN WITH WINDOWS, ETC.
6. MAINTAIN 3 FT. FROM EXHAUST/VENTS TO BUILDING OPENINGS. DRYER VENT CAPS SHALL HAVE 4" DEEP BY 4" WIDE OPENING FOR AIR FLOW.
7. ROUTE AHU CONDENSATE INDIRECT TO FLOOR DRAINS IN AHU CLOSETS.
8. EXHAUST FANS AT TOP FLOOR MAY VENT TO ROOF.
9. EXHAUST FANS TO BE FIRE-RATED, HUMIDITY-SENSING TYPE, 80 CFM AT 0.1 ESP.
10. USE RA GRILLE AT HVAC CLOSET AS CRD ACCESS, POSITION CORRECTLY. SIZE MAY VARY WITH SAME AREA.
11. TOP FLOOR DUCTS SHALL BE BELOW THE ATTIC INSULATION SHALL BE R-8 INSULATED AND SEALED TO PREVENT CONDENSATION.



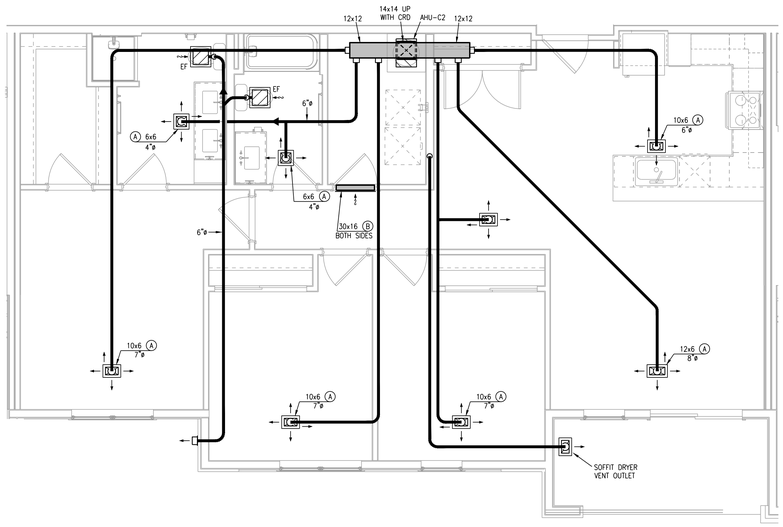
1 TYPICAL UNIT PLAN - B4

1/4"=1'-0" HVAC



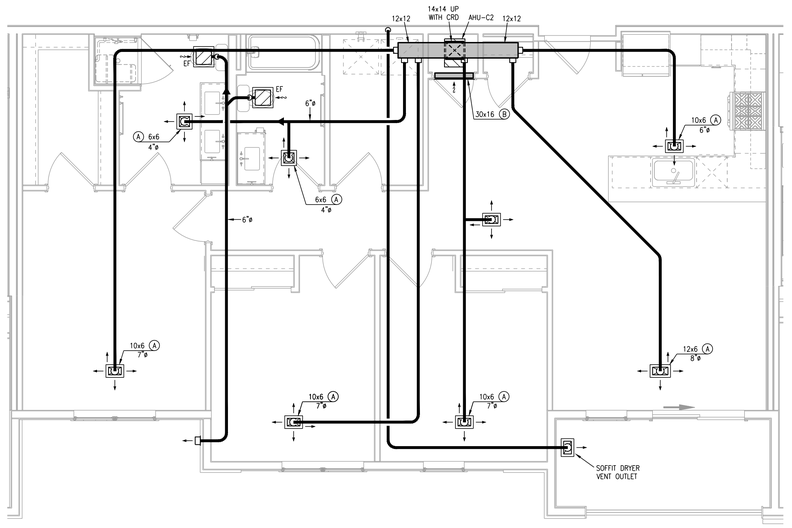
2 TYPICAL UNIT PLAN - C1

1/4"=1'-0" (UNIT C1-1 SIMILAR) HVAC



3 TYPICAL UNIT PLAN - C2

1/4"=1'-0" (UNIT C2-1 SIMILAR) HVAC



4 TYPICAL UNIT PLAN - C2 TYPE A

1/4"=1'-0" HVAC

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REVISIONS (A)

(A) REVISION 1	02-11-22

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TR;i PROJECT NO. 20-001

SHEET NO.

M203

TYPICAL UNIT PLANS - HVAC

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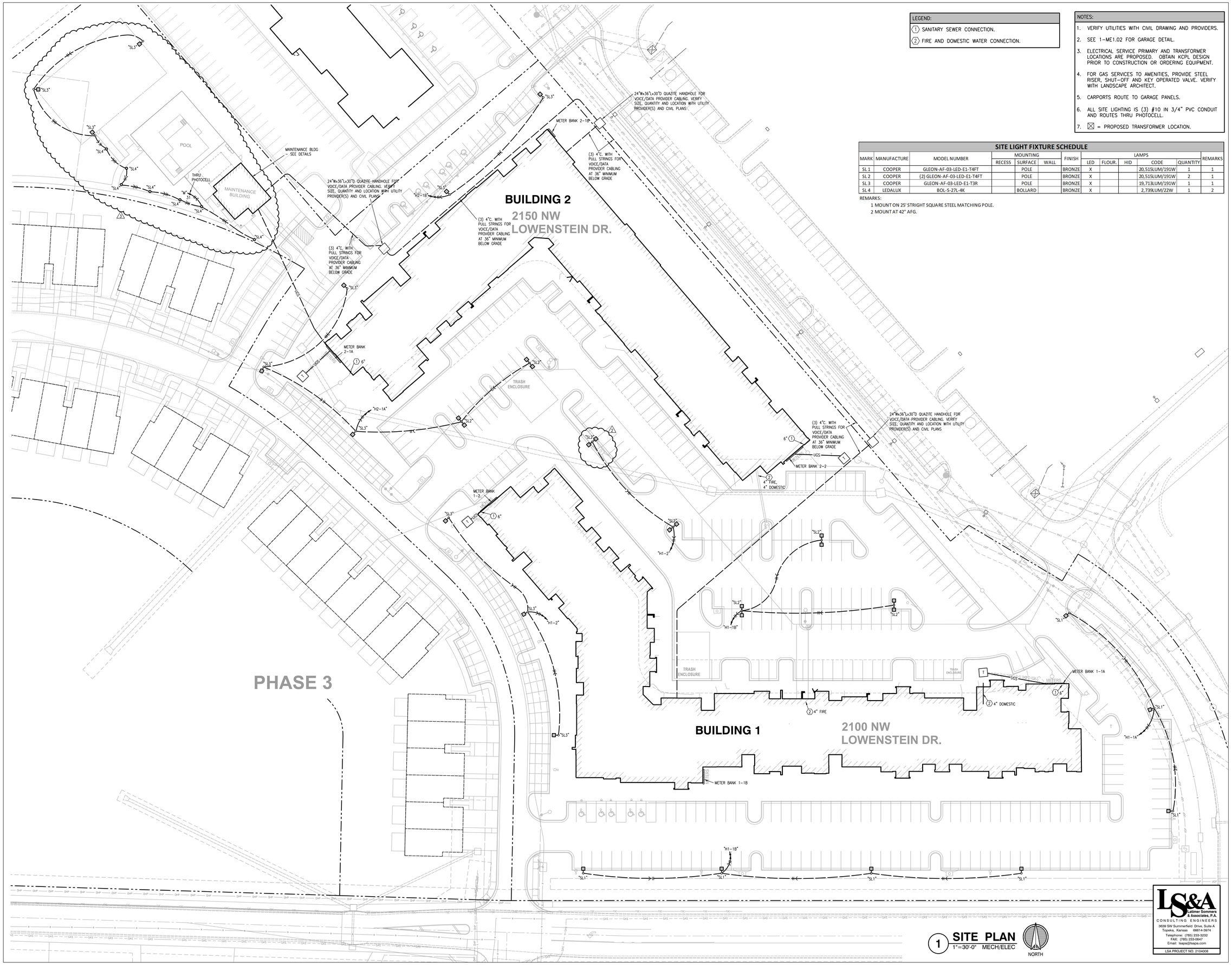
LEGEND:
(1) SANITARY SEWER CONNECTION.
(2) FIRE AND DOMESTIC WATER CONNECTION.

NOTES:
1. VERIFY UTILITIES WITH CIVIL DRAWING AND PROVIDERS.
2. SEE 1-ME1.02 FOR GARAGE DETAIL.
3. ELECTRICAL SERVICE PRIMARY AND TRANSFORMER LOCATIONS ARE PROPOSED. OBTAIN KCPL DESIGN PRIOR TO CONSTRUCTION OR ORDERING EQUIPMENT.
4. FOR GAS SERVICES TO AMENITIES, PROVIDE STEEL RISER, SHUT-OFF AND KEY OPERATED VALVE. VERIFY WITH LANDSCAPE ARCHITECT.
5. CARPORTS ROUTE TO GARAGE PANELS.
6. ALL SITE LIGHTING IS (3) #10 IN 3/4" PVC CONDUIT AND ROUTES THRU PHOTOCELL.
7. ☒ = PROPOSED TRANSFORMER LOCATION.

SITE LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURE	MODEL NUMBER	MOUNTING			FINISH	LAMPS					REMARKS
			RECESS	SURFACE	WALL		LED	FLOUR.	HID	CODE	QUANTITY	
SL 1	COOPER	GLEON-AF-03-LED-E1-T4FT		POLE		BRONZE	X			20,515LUM/191W	1	1
SL 2	COOPER	(2) GLEON-AF-03-LED-E1-T4FT		POLE		BRONZE	X			20,515LUM/191W	2	1
SL 3	COOPER	GLEON-AF-03-LED-E1-T3R		POLE		BRONZE	X			19,713LUM/191W	1	1
SL 4	LEDALUX	BOL-S-27L-4K		BOLLARD		BRONZE	X			2,739LUM/22W	1	2

REMARKS:
1 MOUNT ON 25' STRIGHT SQUARE STEEL MATCHING POLE.
2 MOUNT AT 42" AFG.



1 SITE PLAN
1"=30'-0" MECH/ELEC

NORTH

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DATE: 7.15.2021

REVISIONS (A)

(A) PERMIT REVIEW COMMENTS	08-17-21
(A) FDP COMMENTS	09-28-21
(A) REVISION 1	02-11-22

DWG BY CAD/RRB

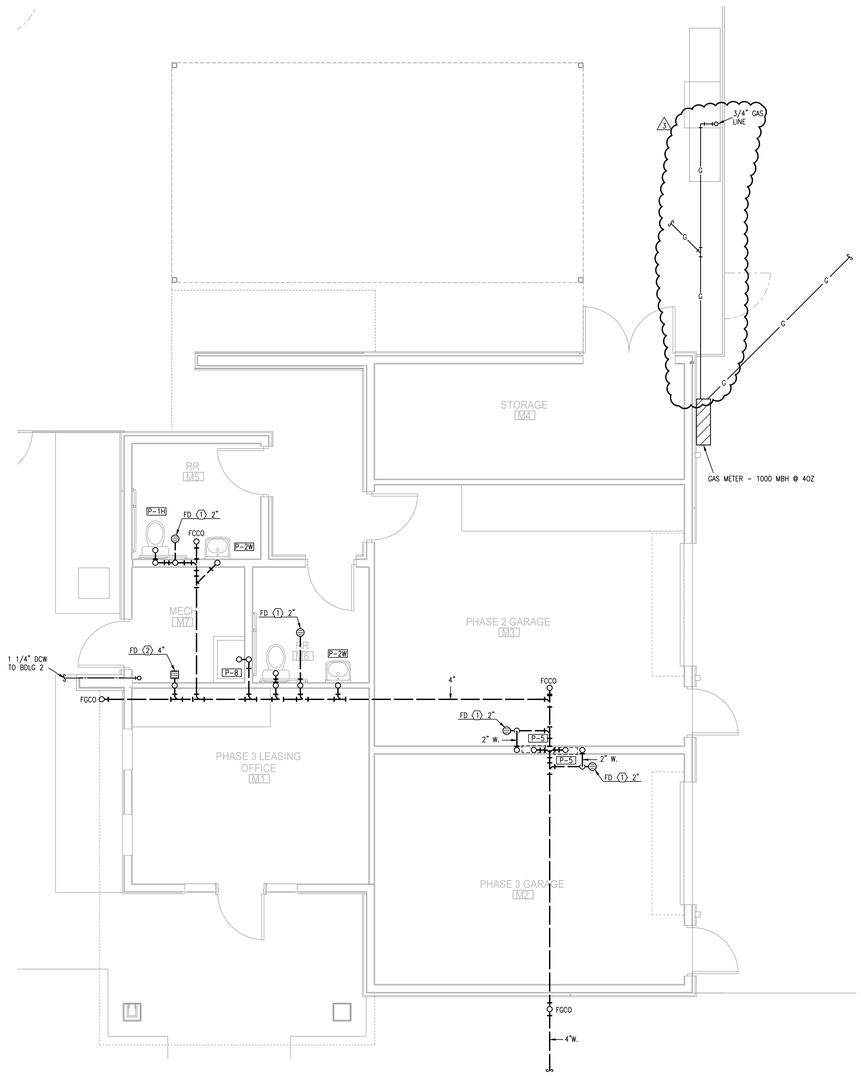
TR,i PROJECT NO. 20-001

SHEET NO.

ME101

SITE PLAN - MECH/ELEC

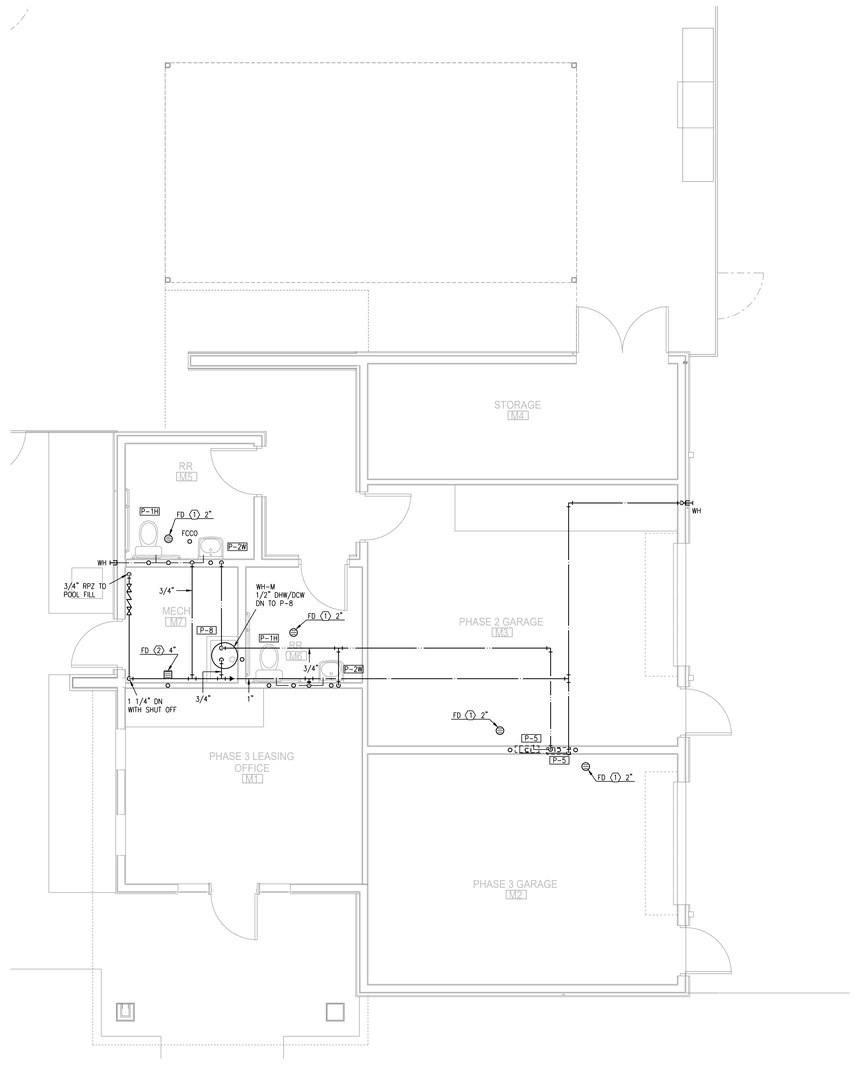
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1 MAINTENANCE BLDG FLOOR PLAN

1/4"=1'-0" BELOW-GRADE PLUMBING

NORTH



2 MAINTENANCE BLDG FLOOR PLAN

1/4"=1'-0" PLUMBING

NORTH

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2 FDP COMMENTS	09-28-21
3 REVISION 1	02-11-22

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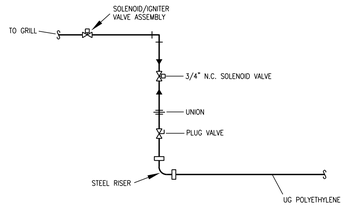
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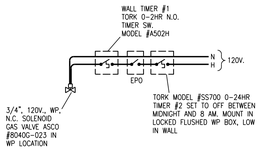
ME201

MAINTENANCE BLDG - PLUMBING

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PIPING SCHEMATIC

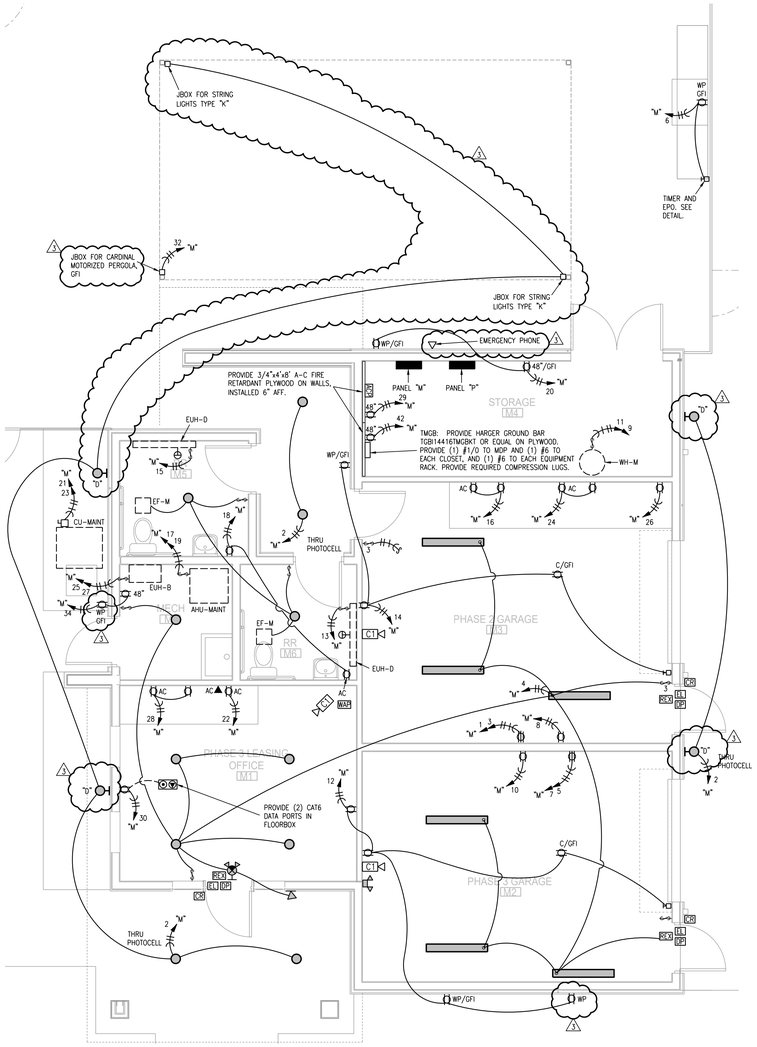


CONTROL SCHEMATIC

3 GAS CONTROL DETAIL
NO SCALE (GRILL)

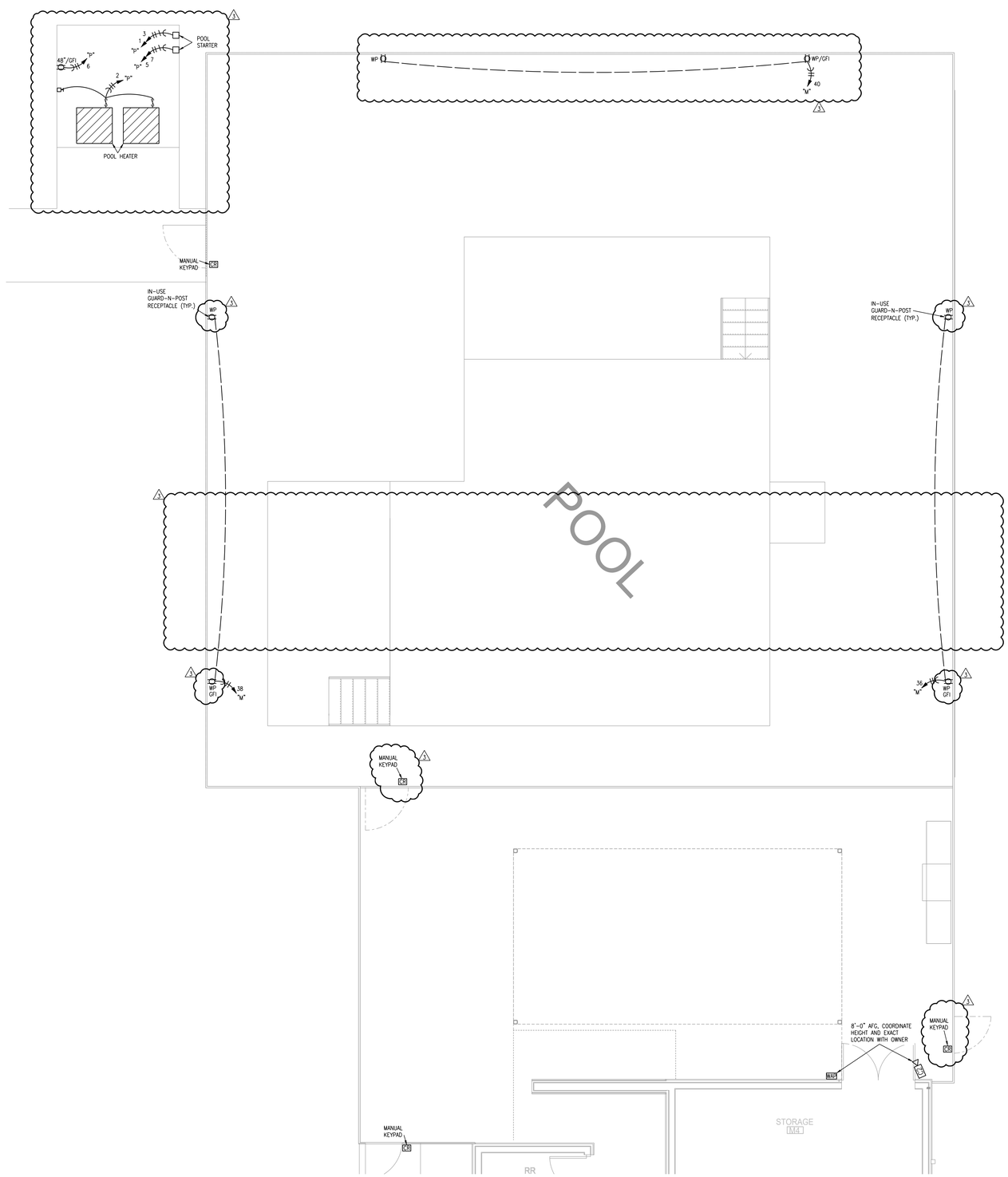
ALL CIRCUITING SHALL BE (2) #12 & (1) #12 GRD. UNLESS NOTED UNLESS.

$2500 ALLOWANCE FOR LIGHTING AND FANS IN COVERED SEATING



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

NORTH



2 MAINTENANCE BLDG FLOOR PLAN
1/4"=1'-0" ELECTRICAL

NORTH

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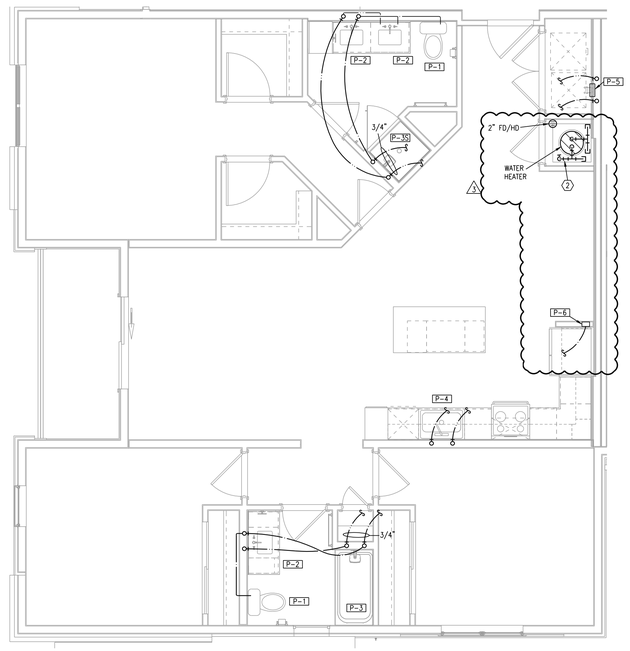
ME203

MAINTENANCE BLDG - ELECTRICAL

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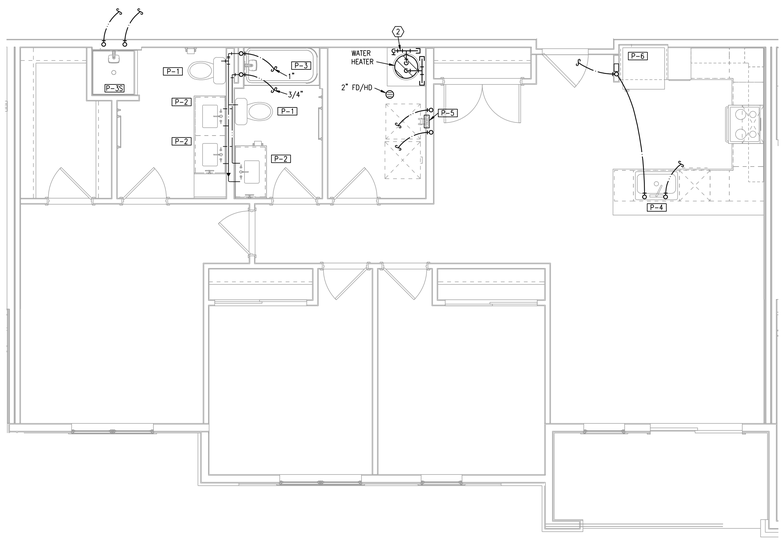
NOTES:
1. ROUTE TOP FLOOR SUPPLY PLUMBING IN CEILING BELOW. NO SUPPLY IN ATTIC.
2. PROVIDE SURGE SUPPRESSORS ON P-4, P-5, AND P-6.
3. CONNECT DISHWASHERS, DISPOSERS, ICE MAKERS, WASHERS..
4. PROVIDE 2" FLOOR DRAIN AT EACH AHU/WH LOCATION.
5. ROUTE 1/2" PEX TO EACH FIXTURE FROM MANIFOLD.
6. P-5, P-6 ON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

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



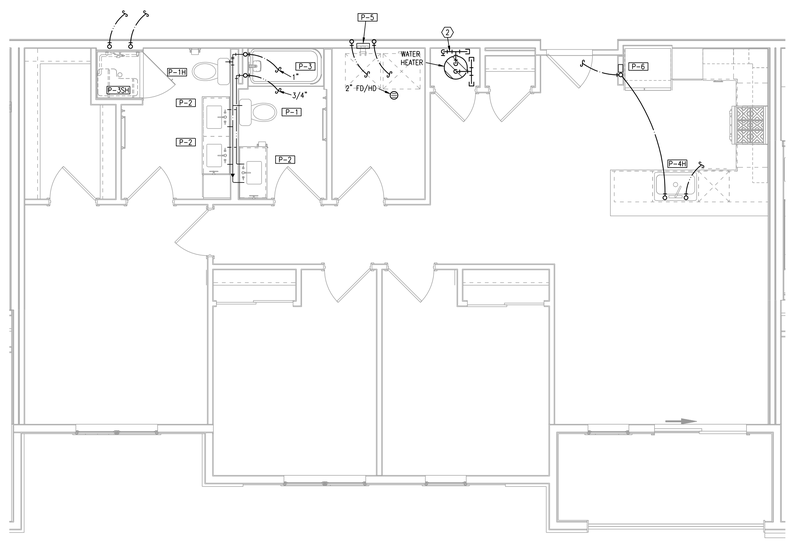
1 TYPICAL UNIT PLAN - C1

1/4"=1'-0" (UNIT C1-1 SIMILAR) PLUMBING



2 TYPICAL UNIT PLAN - C2

1/4"=1'-0" (UNIT C2-1 SIMILAR) PLUMBING



3 TYPICAL UNIT PLAN - C2 TYPE A

1/4"=1'-0" . PLUMBING

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REVISIONS (1)

(1) REVISION 1	02-11-22

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P203

TYPICAL UNIT PLANS - PLUMBING

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