ARCH E1.30" x 42"

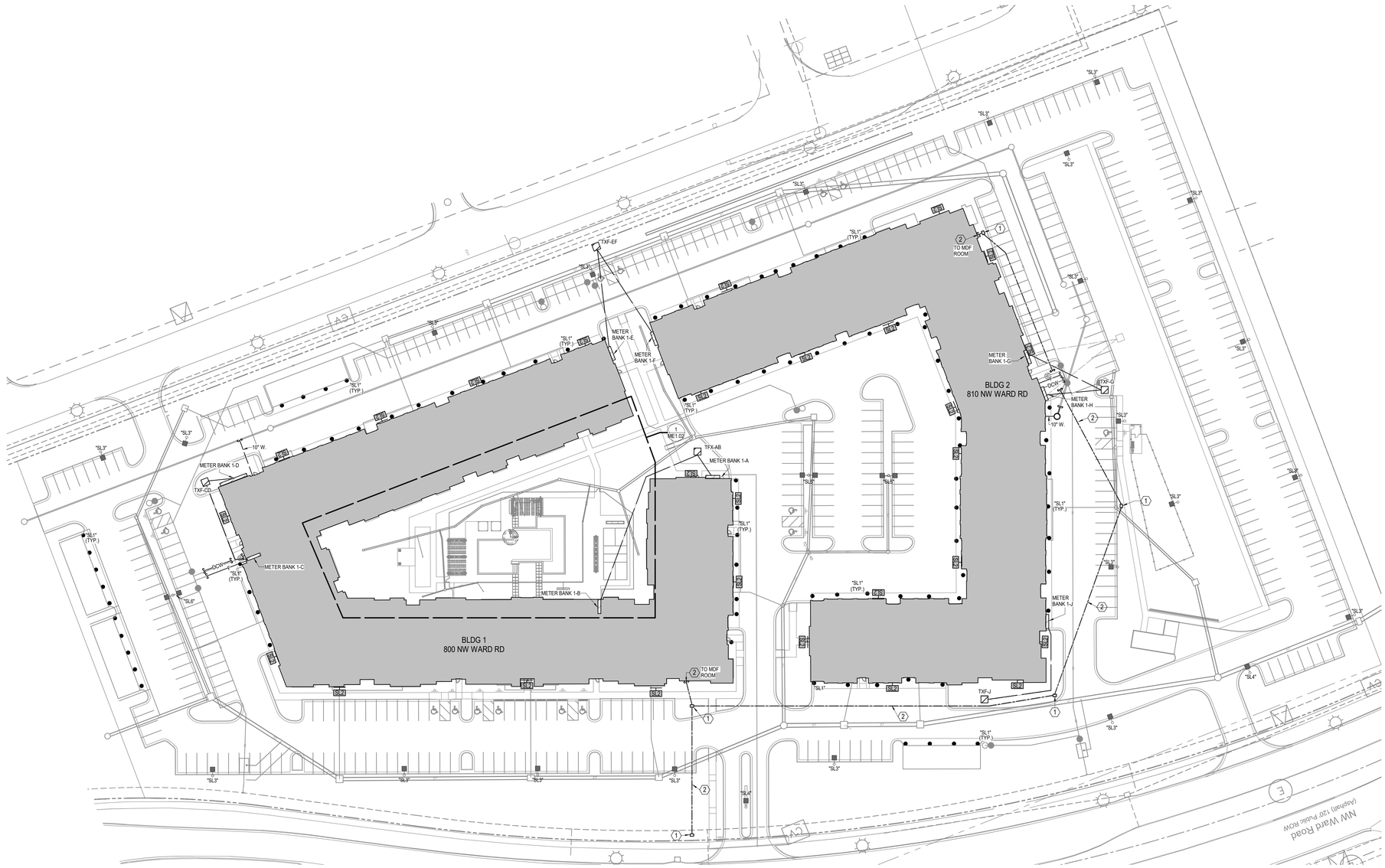
SITE LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURE	MODEL NUMBER	MOUNTING			FINISH	LAMPS				QUANTITY	REMARKS
			RECESS	SURFACE	WALL		LED	FLOUR.	HID	CODE		
SL 1		SEE OWNER FINISH SCHEDULE			X	BLACK	X				1	1
SL 2	HUBBELL	LMC-30LU-3-K-4			X	BLACK	X				1	5
SL 3	CREE INC.	ARE-EDG-4MB-DA-12-E-UL-BK-525-40K		POLE		BLACK	X				1	2, 3. 4
SL 4	CREE INC.	ARE-EDG-3MP-DA-06-E-UL-BK-700-40K		POLE		BLACK	X				1	3, 4
SL 5	CREE INC.	ARE-EDG-3MP-DA-06-E-UL-BK-700-40K		POLE		BLACK	X				1	2, 3. 4
SL 6	CREE INC.	ARE-EDG-4MB-DA-12-E-UL-BK-525-40K		POLE		BLACK	X				1	3, 4

REMARKS:
1 MOUNT AT 8'AFG.
2 PROVIDE WITH (1) HEAD.
3 MOUNT ON 20' POLE ROUND STRAIGHT STEEL, 80 MPH RATED.
4 VERIFY EPA RATING OF POLE WITH MANUFACTURER.
5 MOUNT AT 16' AFG

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

LEGEND:
(1) 24"Wx36"Lx30"D QUAZITE HANDHOLE FOR VOICE/DATA PROVIDER CABLING. VERIFY SIZE, QUANTITY AND LOCATION WITH UTILITY PROVIDER(S) AND CIVIL PLANS
(2) (3) 4"C. WITH PULL STRINGS FOR VOICE/DATA PROVIDER CABLING AT 36" MINIMUM BELOW GRADE.



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

NSPJ ARCHITECTS, Inc.
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010018744
PROFESSIONAL ENGINEER
05/11/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS
2 23 0428 ADD 1/CC 2
3 23 0511 ADDENDUM 2

LS&A
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB.NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/11/2023
ADDENDUM #2
SHEET NAME SITE PLAN
SHEET NO. ME1.01

5/11/2023 2:48:48 PM

ARCH E1.30" x 42"

SITE LIGHT FIXTURE SCHEDULE

MARK	MANUFACTURE	MODEL NUMBER	MOUNTING			FINISH	LAMPS				QUANTITY	REMARKS
			RECESS	SURFACE	WALL		LED	FLOUR.	HID	CODE		
SL 1		SEE OWNER FINISH SCHEDULE			X	BLACK	X				1	1
SL 2	HUBBELL	LMC-30LU-3-K-4			X	BLACK	X				1	5
SL 3	CREE INC.	ARE-EDG-4MB-DA-12-E-UL-BK-525-40K		POLE		BLACK	X				1	2, 3. 4
SL 4	CREE INC.	ARE-EDG-3MP-DA-06-E-UL-BK-700-40K		POLE		BLACK	X				1	3, 4
SL 5	CREE INC.	ARE-EDG-3MP-DA-06-E-UL-BK-700-40K		POLE		BLACK	X				1	2, 3. 4
SL 6	CREE INC.	ARE-EDG-4MB-DA-12-E-UL-BK-525-40K		POLE		BLACK	X				1	3, 4
SL 7	DECO	D315-LED		BOLLARD		BLACK	X				1	

REMARKS:

1 MOUNT AT 8'AFG.
2 PROVIDE WITH (1) HEAD.
3 MOUNT ON 20' POLE ROUND STRAIGHT STEEL, 80 MPH RATED.
4 VERIFY EPA RATING OF POLE WITH MANUFACTURER.
5 MOUNT AT 16' AFG

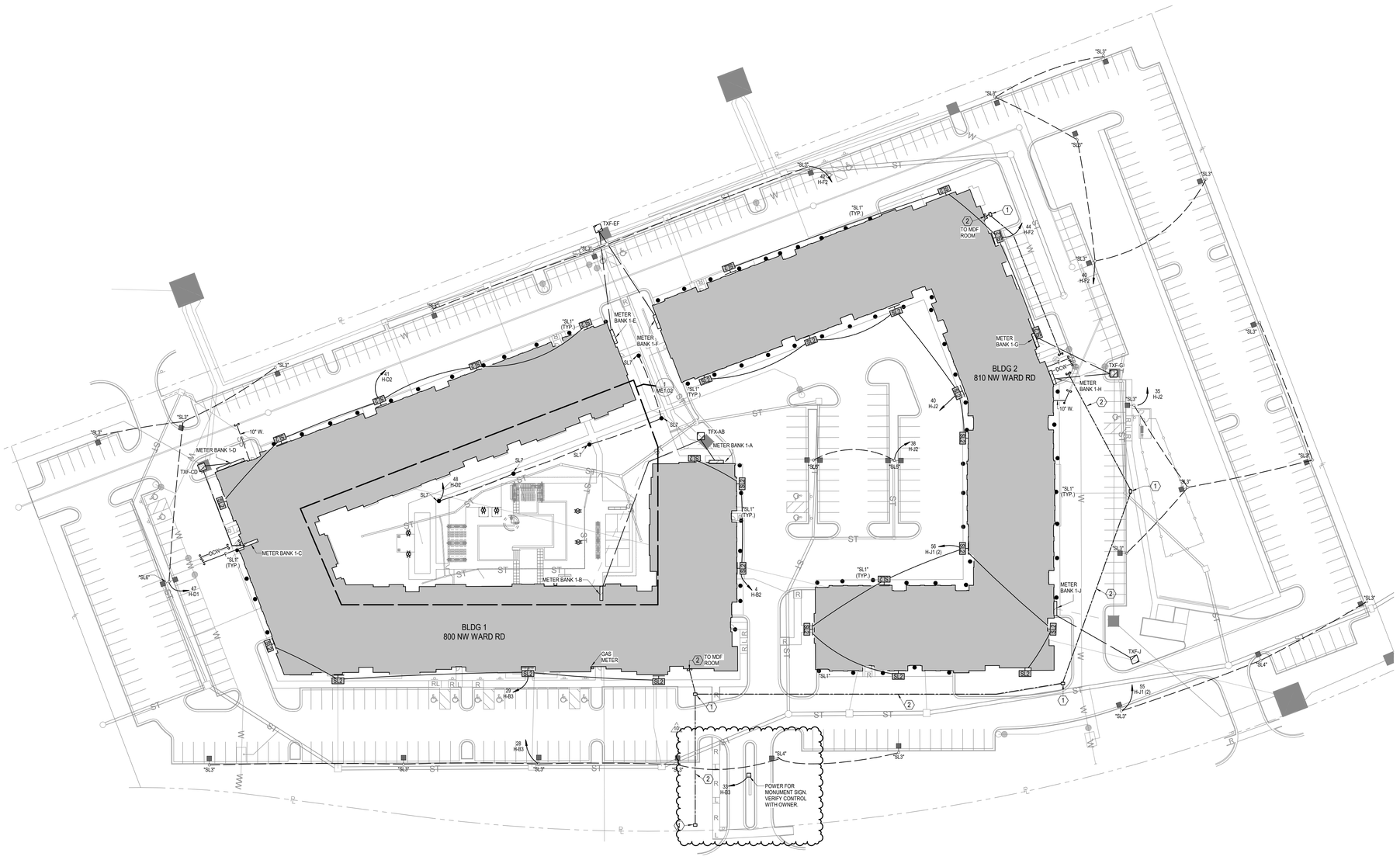
NOTES:

1. SEE CIVIL, ARCHITECTURAL AND LANDSCAPE DRAWING FOR FURTHER INFORMATION AND WORK.
2. NOTIFY UTILITY PROVIDERS PRIOR TO ANY EXCAVATION, TRENCHING OR GRADING TO MARK UTILITIES.
3. PROVIDE ALL UTILITY PROVIDER REQUIREMENTS WITH REGARDS TO INTERFACING WITH THEIR WORK AND INCLUDE ALL ITEMS REQUIRED FOR PROPER INSTALLATION.
4. TRANSFORMER AND PRIMARY LOCATIONS ARE AS PREFERRED AND NEED VERIFICATION WITH THE PROVIDER AS TO FINAL LOCATIONS BASED ON THEIR DESIGN AND CONTRACTOR REQUIREMENTS.
5. ALL SITE LIGHTING CIRCUITS ROUTE THROUGH PHOTOCELL AND HAVE (3) #10 WIRES UNLESS NOTED OTHERWISE.
6. SEE INTERIOR ELECTRICAL FLOOR PLANS FOR "SL1" FIXTURE CIRCUITING.

LEGEND:

(1) 24"Wx36"Lx30"D QUAZITE HANDHOLE FOR VOICE/DATA PROVIDER CABLING. VERIFY SIZE, QUANTITY AND LOCATION WITH UTILITY PROVIDER(S) AND CIVIL PLANS

(2) (3) 4"C. WITH PULL STRINGS FOR VOICE/DATA PROVIDER CABLING AT 36" MINIMUM BELOW GRADE.



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

NORTH

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010035744
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS

2	23 0428	ADD 1/CC 2
3	23 0511	ADDENDUM 2
5	23-06-09	ASI 1
7	23-07-13	ASI 3
8	23-08-11	ASI 4
10	23-09-15	ASI 6

LS&A
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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SITE PLAN
SHEET NO. ME1.01

9/15/2023 9:44:54 AM

ARCH E1.50" x 42"

NOTES:
1. SEE CIVIL, ARCHITECTURAL AND LANDSCAPE DRAWING FOR FURTHER INFORMATION AND WORK.
2. NOTIFY UTILITY PROVIDERS PRIOR TO ANY EXCAVATION, TRENCHING OR GRADING TO MARK UTILITIES.
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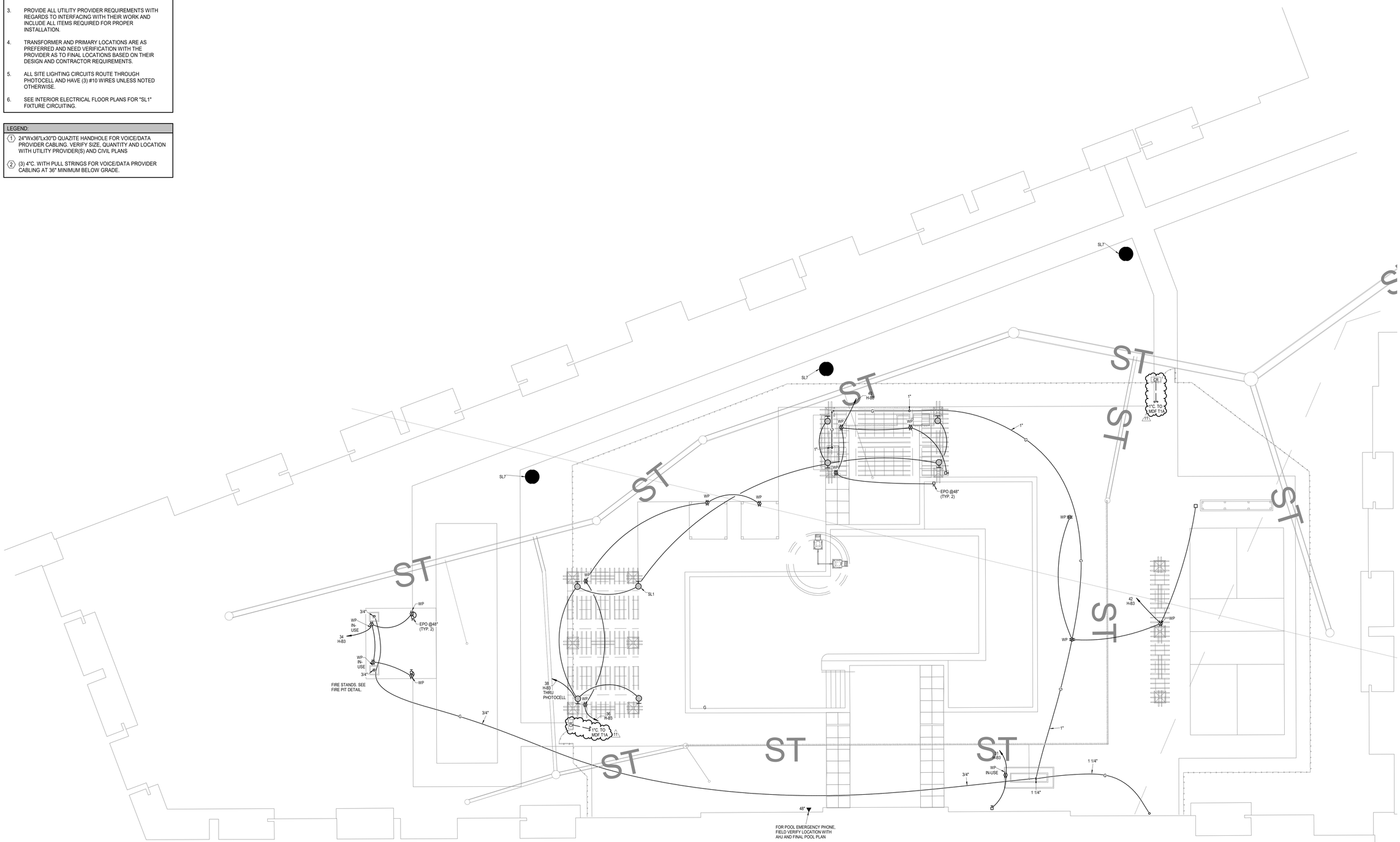
6. SEE INTERIOR ELECTRICAL FLOOR PLANS FOR "SL1" FIXTURE CIRCUITING.

LEGEND:
⟨1⟩ 24"Wx36"Lx30"D QUAZITE HANDHOLE FOR VOICE/DATA PROVIDER CABLING. VERIFY SIZE, QUANTITY AND LOCATION WITH UTILITY PROVIDER(S) AND CIVIL PLANS
⟨2⟩ (3) 4"C. WITH PULL STRINGS FOR VOICE/DATA PROVIDER CABLING AT 36" MINIMUM BELOW GRADE.



NORTH

1 PARTIAL SITE PLAN
MECH./ELEC.
1/8" = 1'-0"

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NUMBER
PROFESSIONAL ENGINEER
6/9/2023

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DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

2	23-0428	ADD 1/CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4
10	23-09-15	ASI 6
11	23-11-03	ASI #7

LS&A Lastimer Sommers & Associates P.A.
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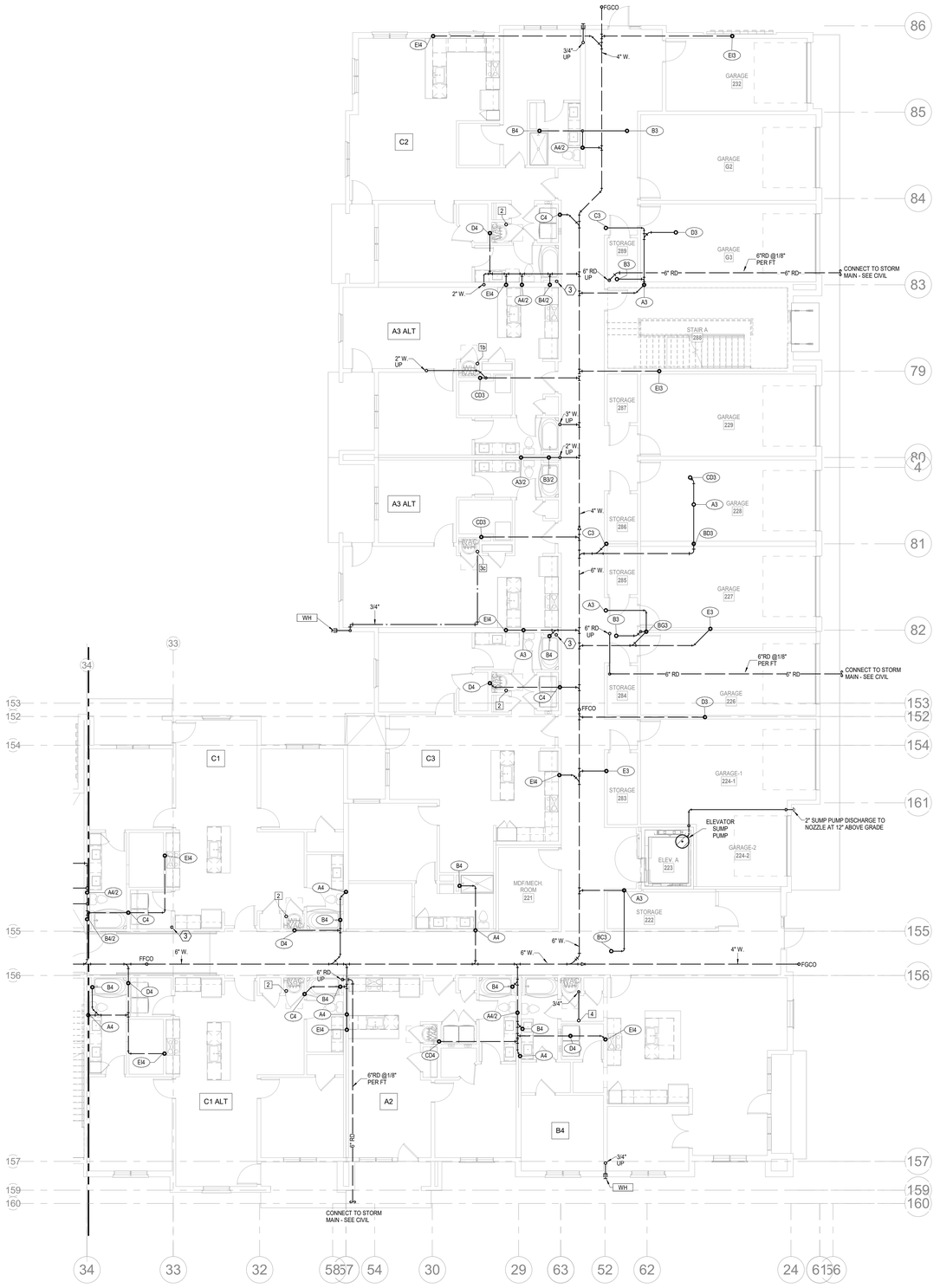
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME PARTIAL SITE PLAN
SHEET NO. ME1.02

11/3/2023 8:51:27 AM

ARCH E1.30" x 42"



NORTH

1 1ST FLOOR - SEGMENT A

PLUMBING

1/8" = 1'-0"

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

LEGEND:
(1) CLASS 1MANUAL STANDPIPE WITH VALVE.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) 3" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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6/9/2023

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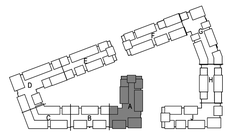
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

REVISIONS

2	23-04-05	ADD 1/CC 2
7	23-07-13	ASI 3
8	23-08-11	ASI 4

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT A - 1ST FLOOR - PLUMBING
SHEET NO. P1.01

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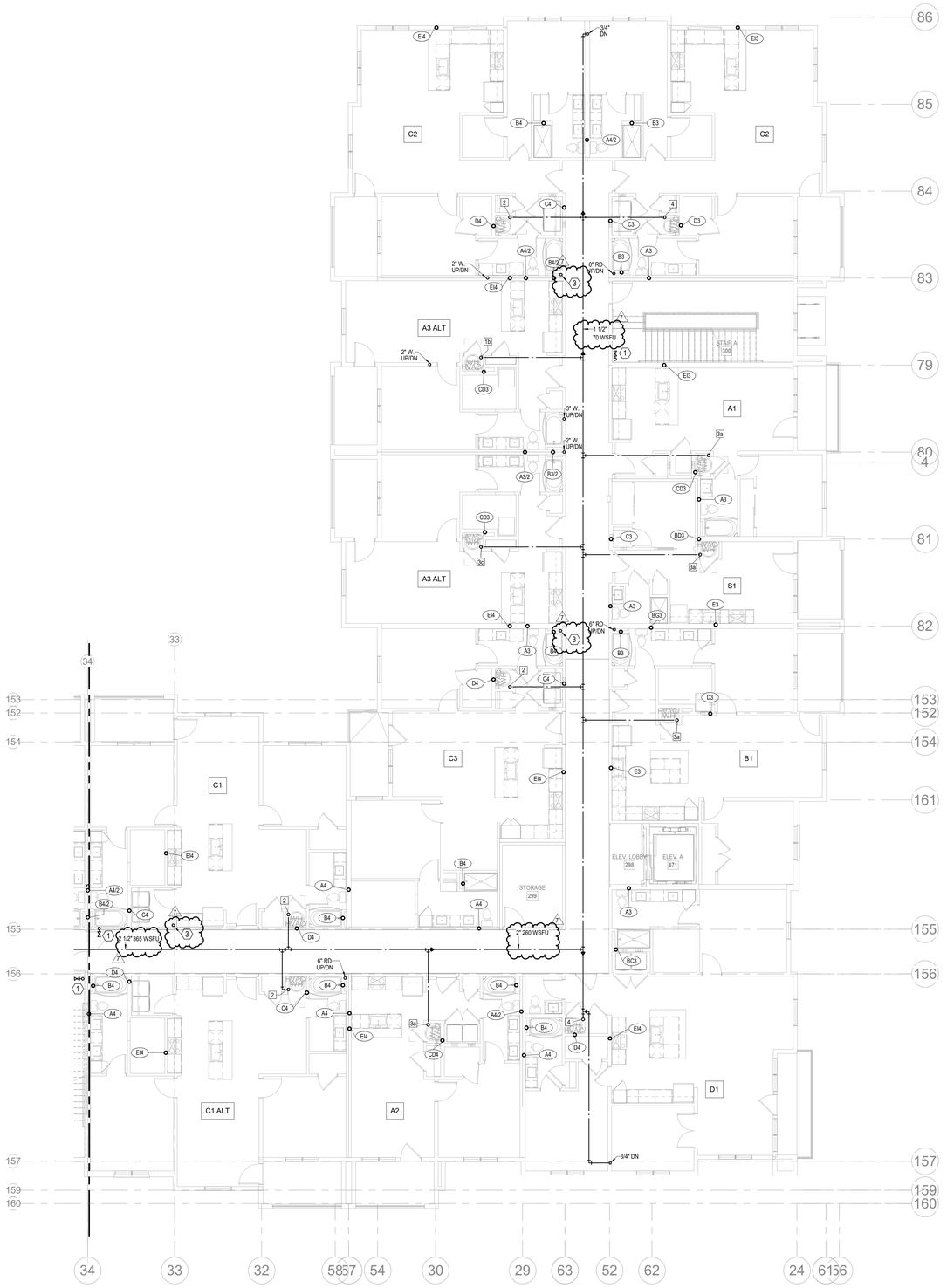
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

8/10/2023 2:20:28 PM

ARCH E1 30" x 42"



1 2ND FLOOR - SEGMENT A

PLUMBING
1/8" = 1'-0"

NORTH

NOTES:

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

LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

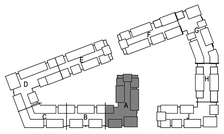
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

REVISIONS
2 23-04-28 ADD 1/CC 2
7 23-07-13 ASI 3

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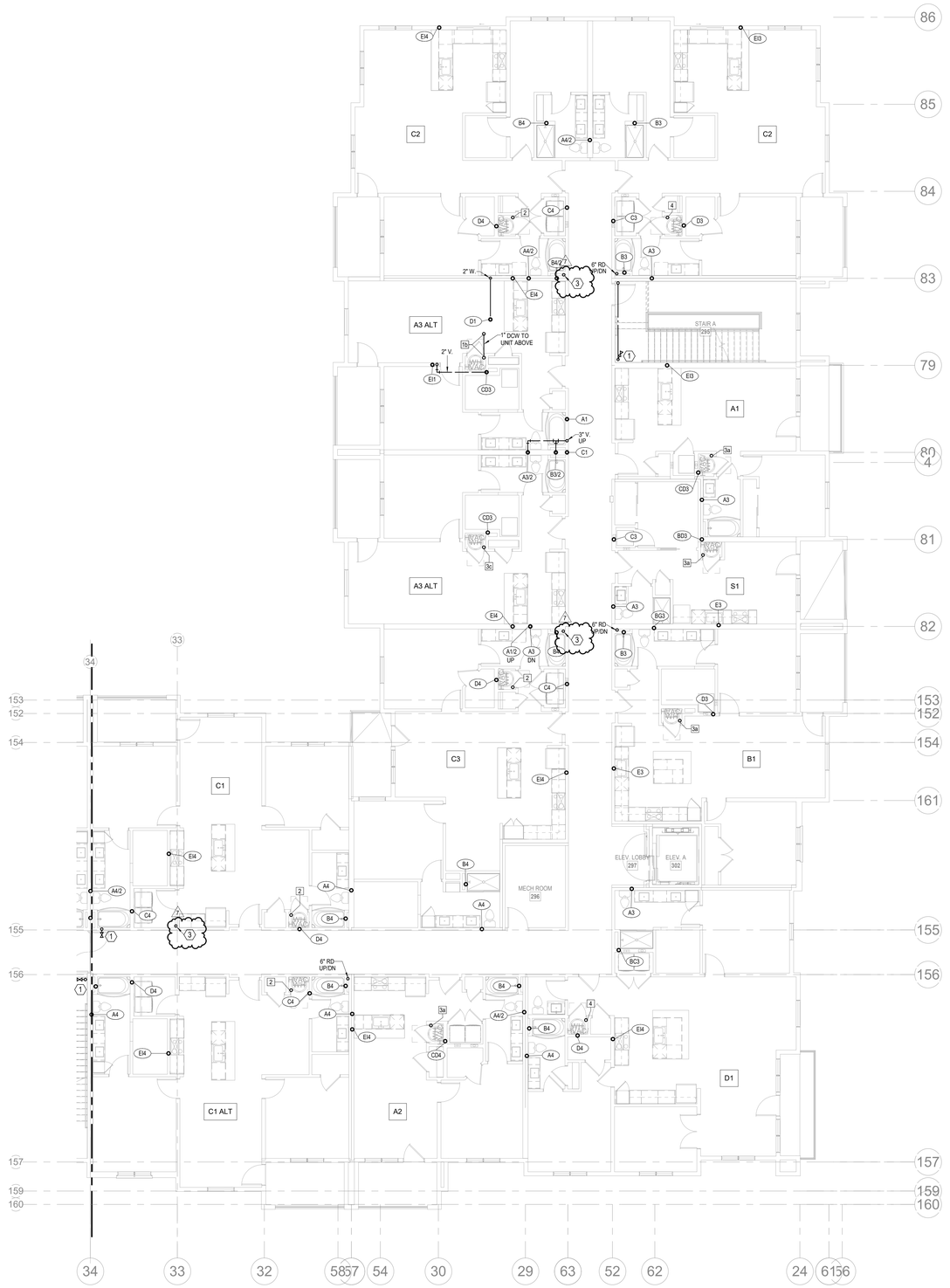
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT A - 2ND FLOOR - PLUMBING
SHEET NO. P1.02

7/13/2023 4:29:09 PM

ARCH E1 30" x 42"



1 **3RD FLOOR - SEGMENT A**
PLUMBING
1/8" = 1'-0"

NORTH

NOTES:

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

LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:

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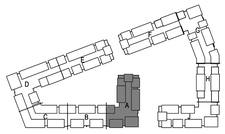
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN
NO SCALE

REVISIONS

2	23 0428	ADD 1CC 2
7	23-07-13	ASI 3

LS&A
Latimer Sommers & Associates P.A.
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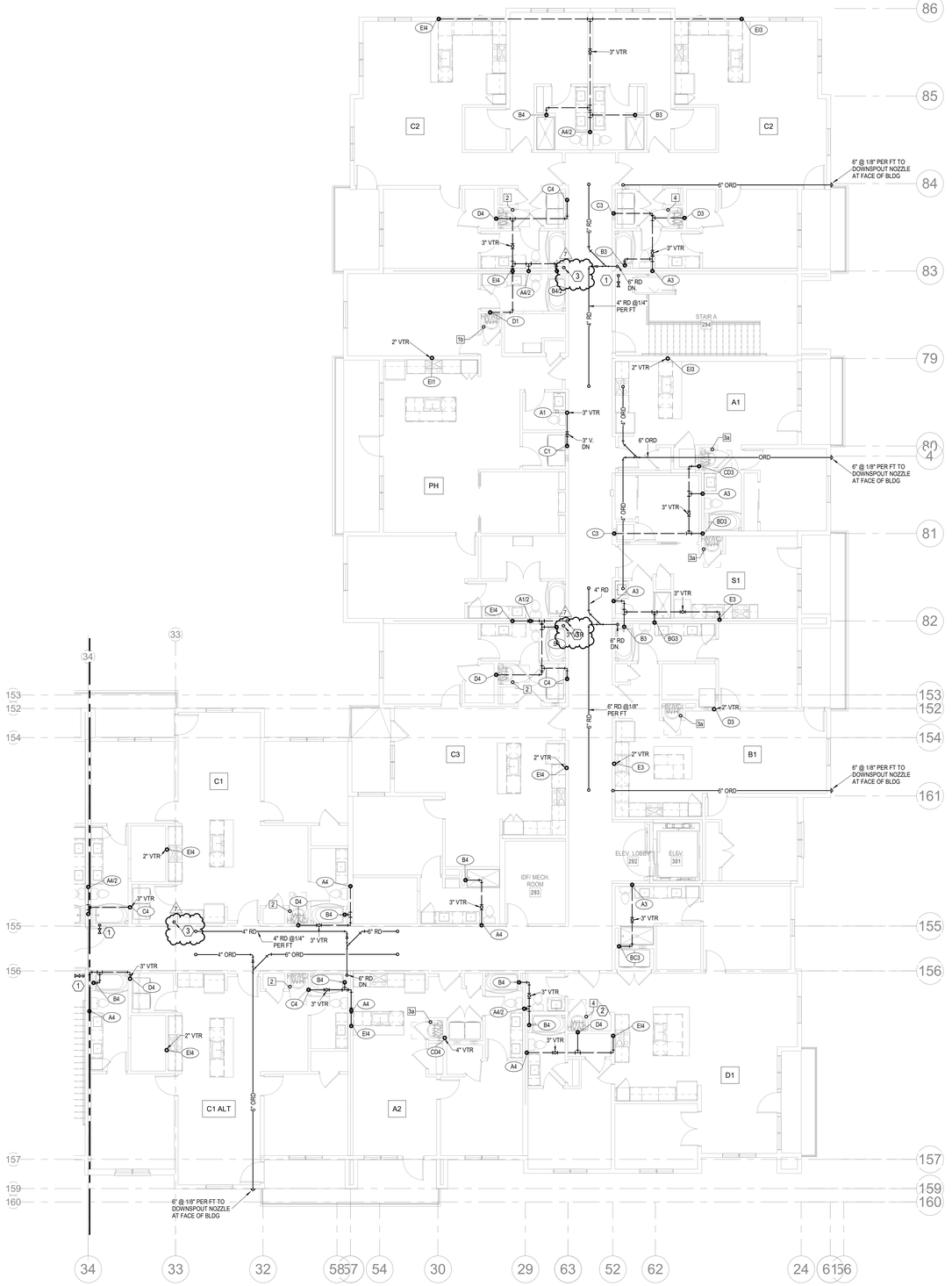
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT A - 3RD FLOOR - PLUMBING
SHEET NO. P1.03

7/13/2023 4:29:19 PM

ARCH E1.30" x 42"



NORTH

1 4TH FLOOR - SEGMENT A

PLUMBING

1/8" = 1'-0"

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

LEGEND:
1 CLASS 1MANUAL STANDPIPE WITH VALVE.
2 3/4" CW UP TO ROOF HYDRANT.
3 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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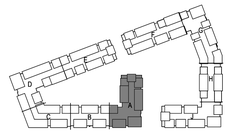
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

REVISIONS

2	23 0428	ADD 1/CC 2
7	23-07-13	ASI 3

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
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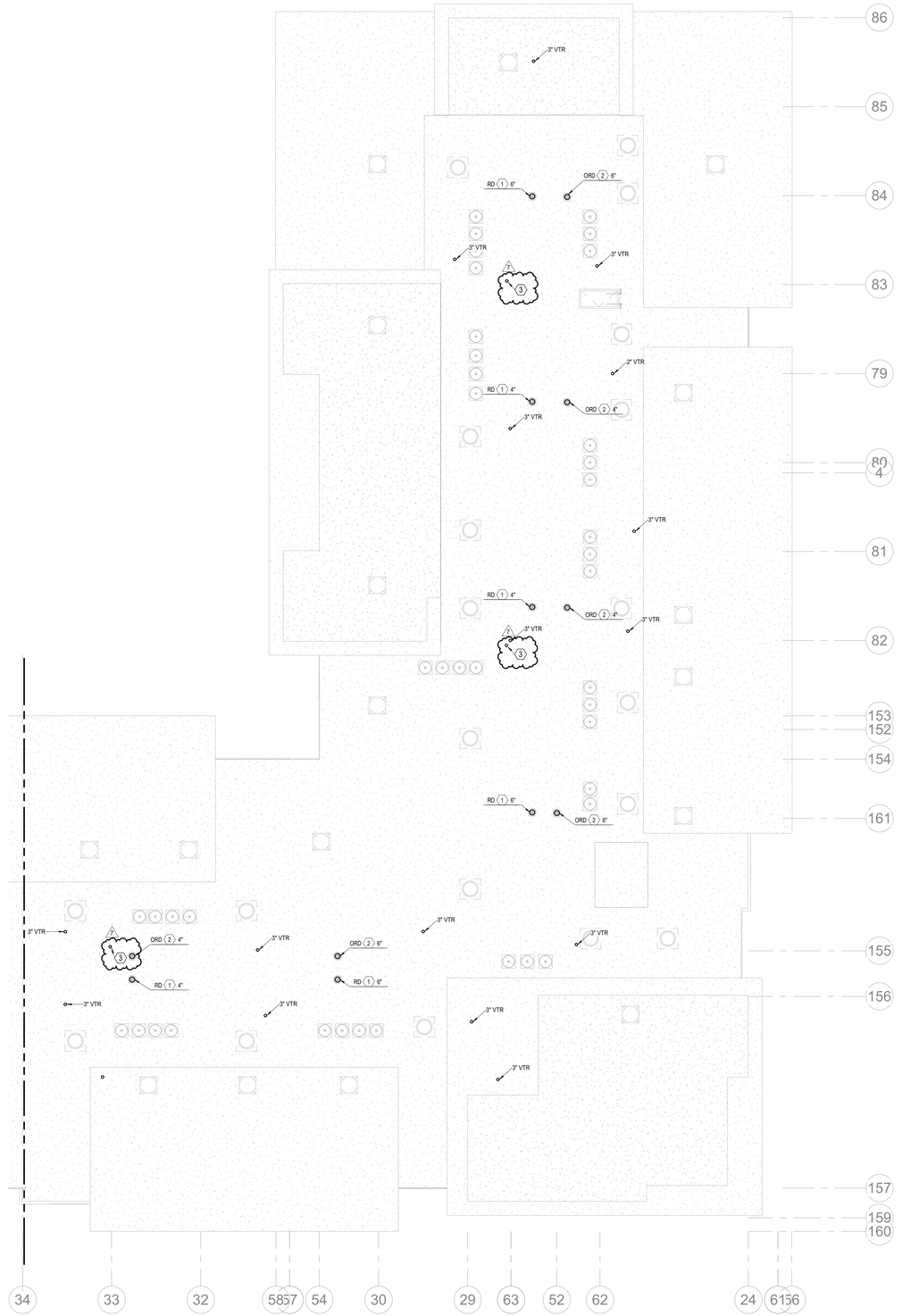
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT A - 4TH FLOOR - PLUMBING
SHEET NO. P1.04

7/13/2023 4:29:12 PM

ARCH E1.30" x 42"



NORTH

1 ROOF PLAN - SEGMENT A

PLUMBING

1/8" = 1'-0"

NOTES:

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

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
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6/9/2023

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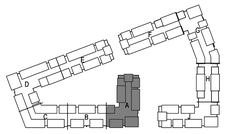

NORTH

KEY PLAN

NO SCALE

REVISIONS

2	23 0428	ADD 1/CC 2
7	23-07-13	ASI 3

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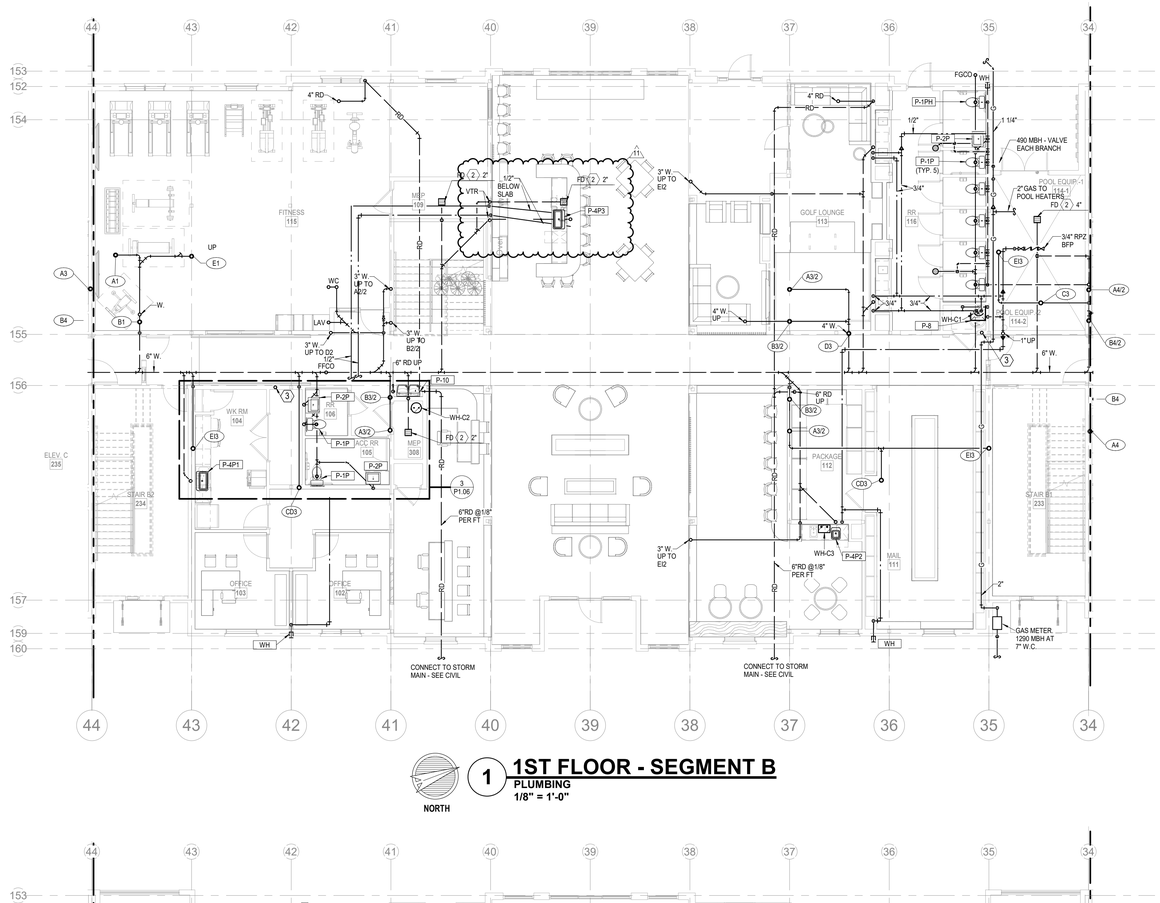
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT A - ROOF PLAN - PLUMBING
SHEET NO. P1.05

7/13/2023 4:29:13 PM

ARCH E1.50" x 42"

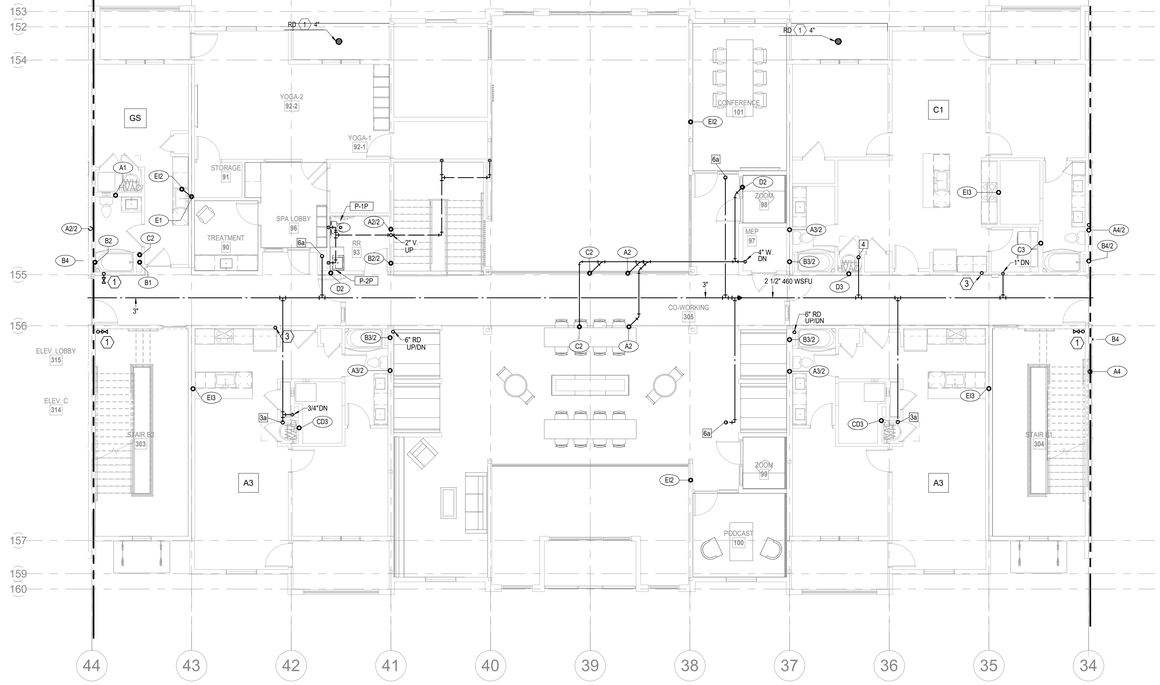


NORTH

1 1ST FLOOR - SEGMENT B

PLUMBING

1/8" = 1'-0"

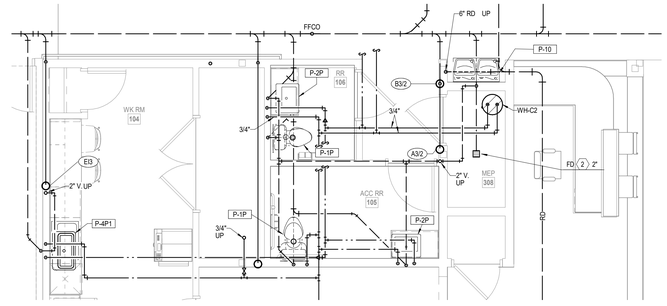


NORTH

2 2ND FLOOR - SEGMENT B

PLUMBING

1/8" = 1'-0"



NORTH

3 PARTIAL PLAN - SEGMENT B

PLUMBING

1/4" = 1'-0"

NOTES:

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

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 3" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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NUMBER 2010018744
PROFESSIONAL ENGINEER

6/9/2023

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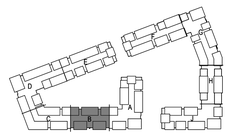
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

REVISIONS

2	23.0428	ADD 1CC 2	
7	23-07-13	ASI 3	
8	23-08-11	ASI 4	
11	23-11-03	ASI #7	

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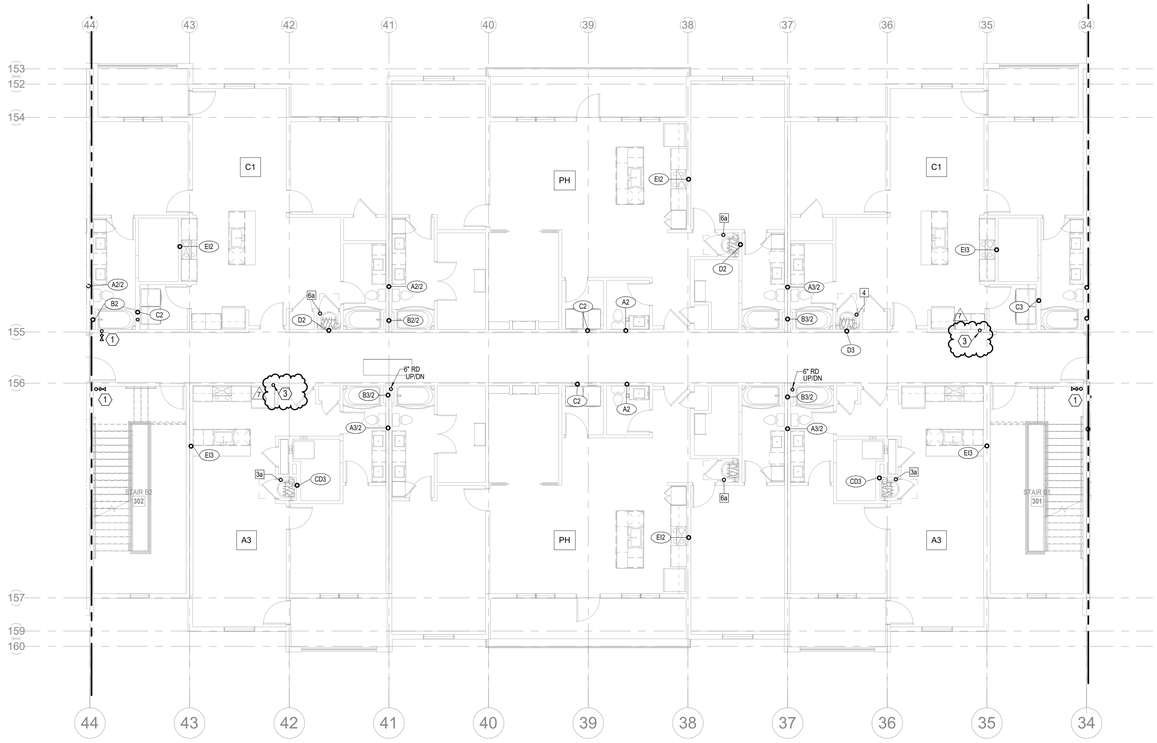
Email: lsapa@lsaca.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT B - 1ST & 2ND FLOOR - PLUMBING
SHEET NO. P1.06

11/3/2023 8:51:29 AM

ARCH E1 30" x 42"

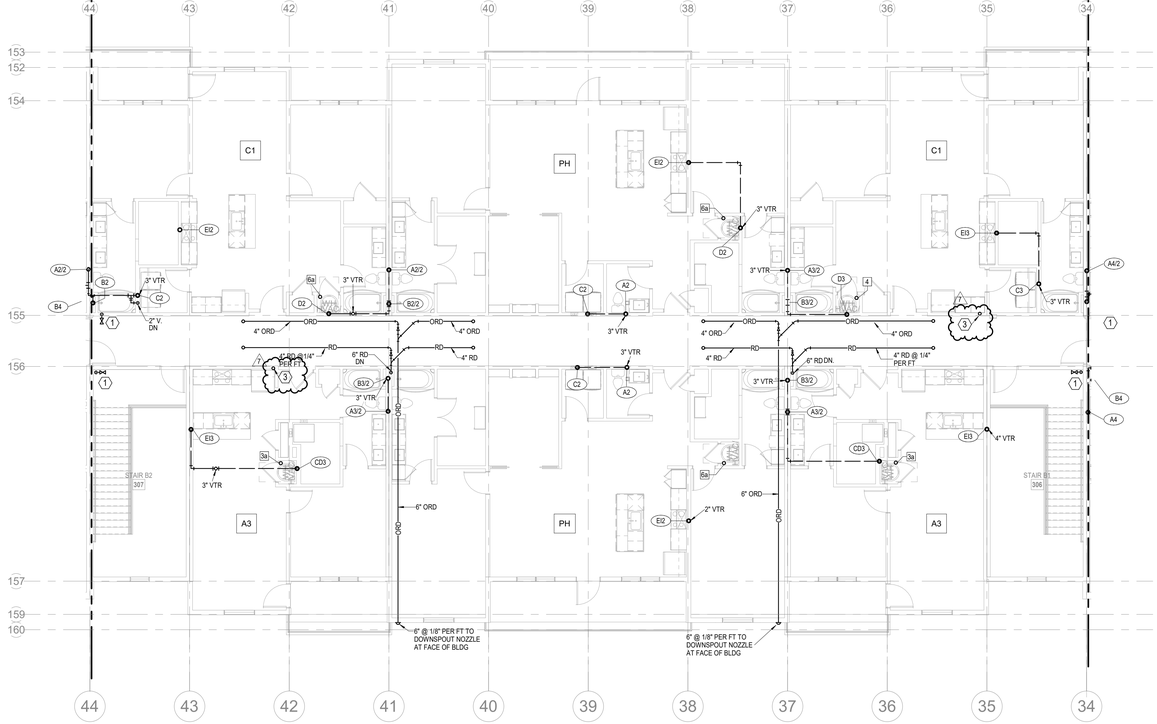


NORTH

1 3RD FLOOR - SEGMENT B

PLUMBING

1/8" = 1'-0"



NORTH

2 4TH FLOOR - SEGMENT B

PLUMBING

1/8" = 1'-0"

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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4. ALL SUPPLY PIPING IS ½" UNLESS NOTED OTHERWISE OR REQUIRED BY THE PLUMBING CODE.
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9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT. ALL FLOOR DRAINS ARE 2" TYPE 1 UNLESS NOTED OTHERWISE.
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LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
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ENERGY SERVICES

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NUMBER
PROFESSIONAL ENGINEER

6/9/2023

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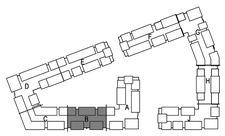

NORTH

KEY PLAN

NO SCALE

REVISIONS

2	23 0428	ADD 1CC 2	
7	23-07-13	ASI 3	

LS&A
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3

SHEET NAME
SEGMENT B - 3RD & 4TH FLOOR - PLUMBING

SHEET NO.
P1.07

7/13/2023 4:29:20 PM

ARCH E1 30" x 42"

NOTES:

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

(1) CLASS 1MANUAL STANDPIPE WITH VALVE.

(2) 3/4" CW UP TO ROOF HYDRANT.

(3) 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
LANDSCAPE ARCHITECTURE
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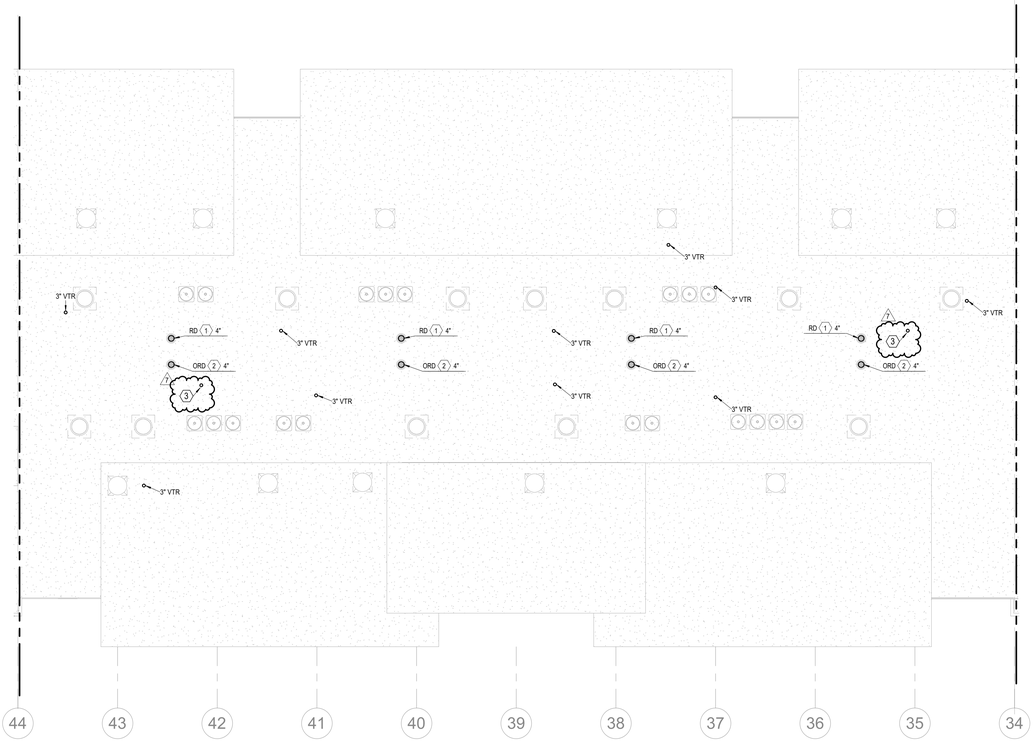
NUMBER
PROFESSIONAL ENGINEER
6/9/2023



NORTH

1 ROOF PLAN - SEGMENT B

PLUMBING
1/8" = 1'-0"

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DRAWING RELEASE LOG
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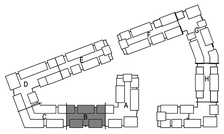

NORTH

KEY PLAN

NO SCALE

REVISIONS
7 23-07-13 ASI 3

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT B - ROOF PLAN - PLUMBING
SHEET NO. P1.08

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Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

7/13/2023 4:29:21 PM

ARCH E1.30" x 42"

NOTES:
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6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
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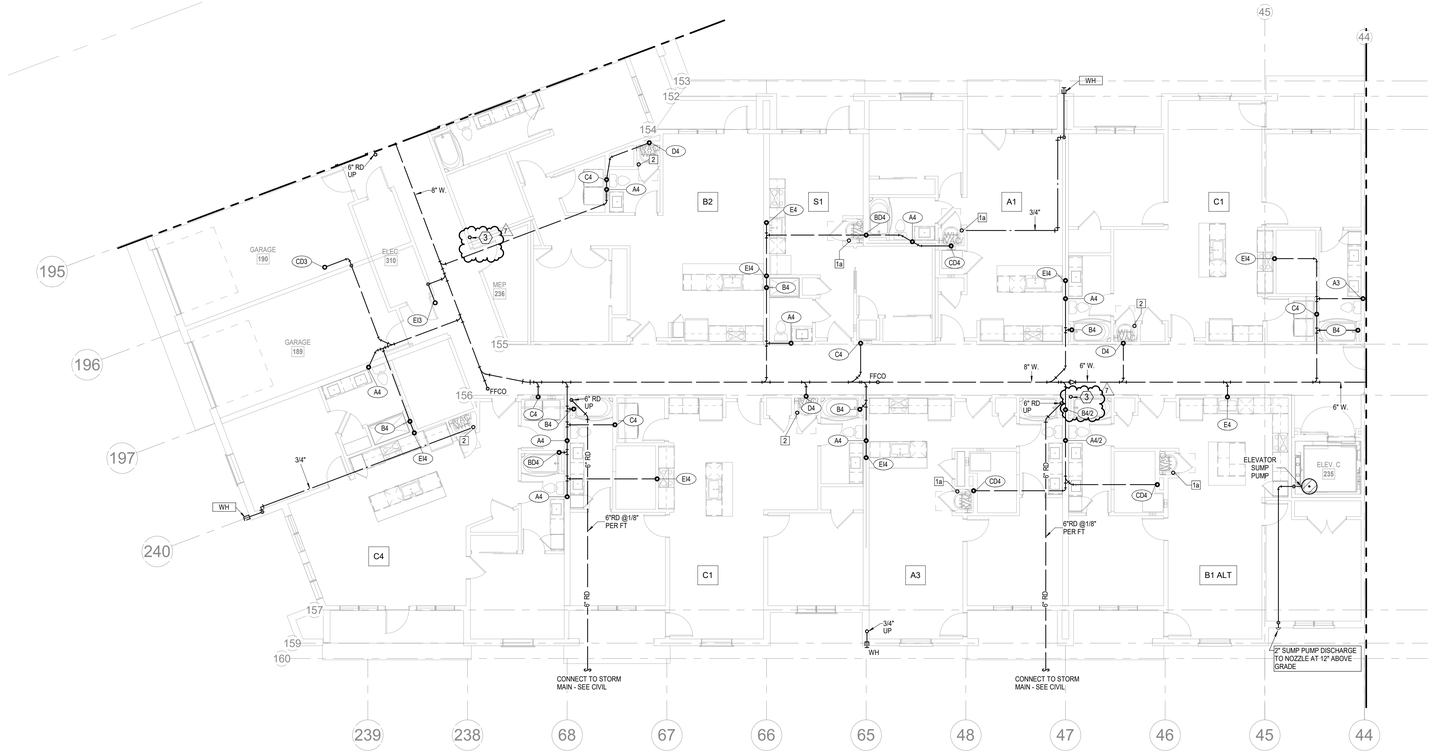

NORTH

1 1ST FLOOR - SEGMENT C
PLUMBING
1/8" = 1'-0"

NSPJ ARCHITECTS, INC.
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RICHARD R. BEARDMORE
NUMBER A-2007018744
PROFESSIONAL ENGINEER
6/9/2023

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800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

NORTH

KEY PLAN
NO SCALE

REVISIONS
2 23 0428 ADD 1CC 2
7 23-07-13 AD 3

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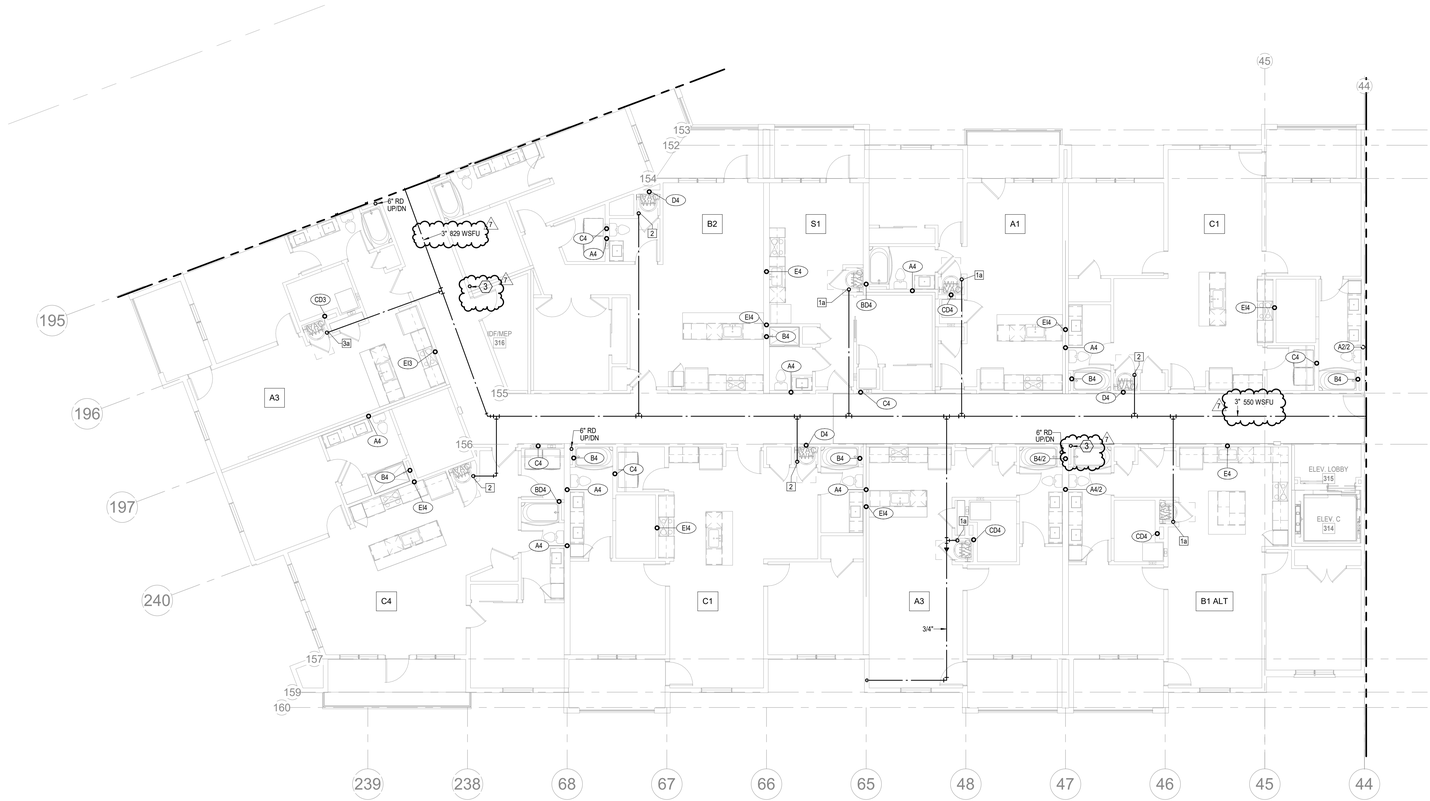
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT C - 1ST FLOOR - PLUMBING
SHEET NO. P1.09

7/13/2023 4:29:23 PM

ARCH E1.30" x 42"



1 **2ND FLOOR - SEGMENT C**
PLUMBING
1/8" = 1'-0"

NORTH

NOTES:

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12. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.
13. FIRE SPRINKLER SHALL BE PROVIDED FOR ALL AREAS OF THE BUILDING PER NFPA. THIS INCLUDES A PROTECTED OR DRY SYSTEM FOR ANY UNHEATED AREAS. NO PIPE SHALL BE EXPOSED TO FREEZING TEMPERATURES.

LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

6/9/2023

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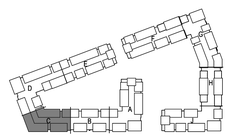
TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN
NO SCALE

△REVISIONS
2 20.0428 ADD 1/CC 2
7 23-07-13 ASI 3

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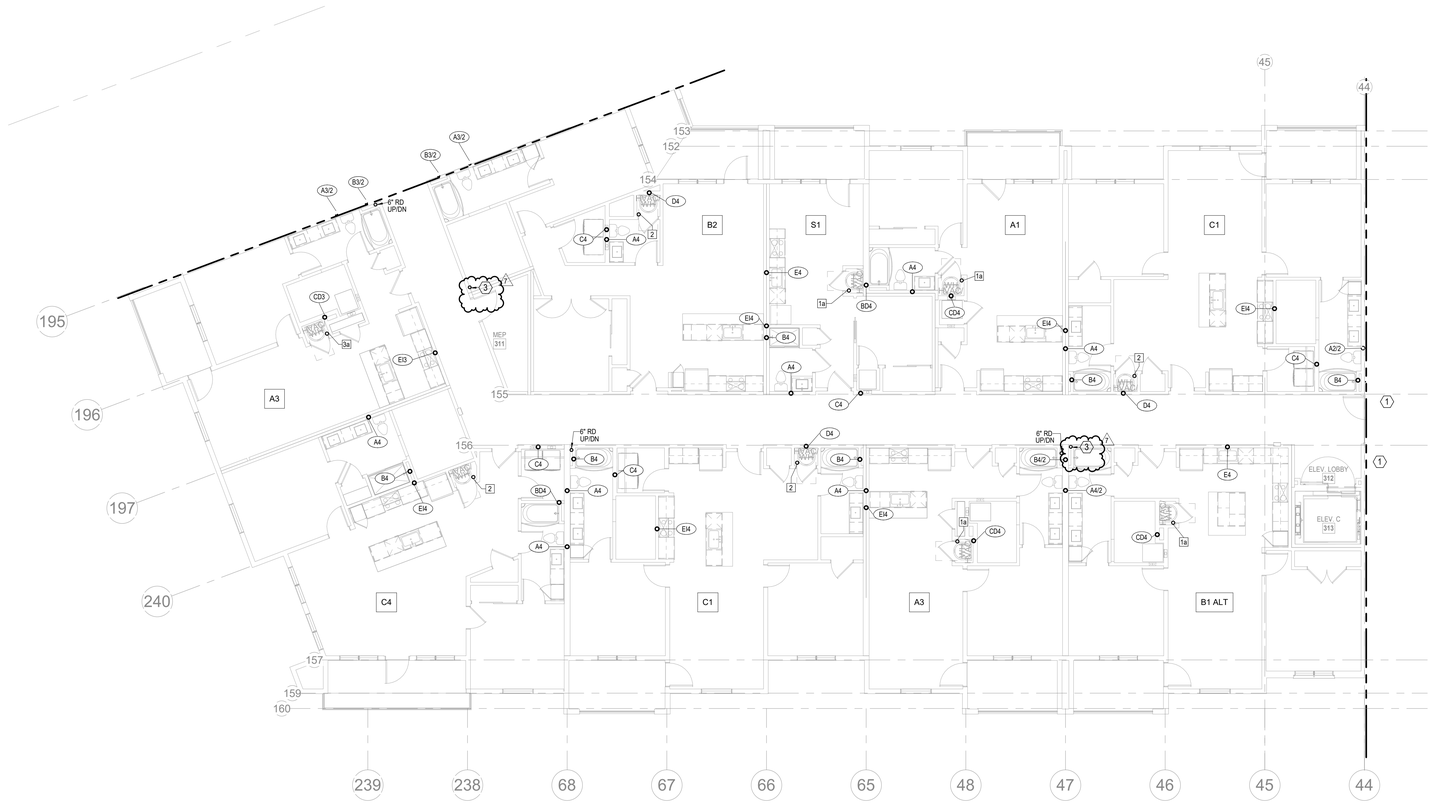
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT C - 2ND FLOOR - PLUMBING
SHEET NO. P1.10

7/13/2023 4:29:24 PM

ARCH E1.30" x 42"



1 **3RD FLOOR - SEGMENT C**
PLUMBING
1/8" = 1'-0"

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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3. ANY BELOW SLAB SUPPLY PIPING SHALL BE PEX WITH NO JOINTS.
4. ALL SUPPLY PIPING IS ½" UNLESS NOTED OTHERWISE OR REQUIRED BY THE PLUMBING CODE.
5. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE EXPANSION COMPENSATOR OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
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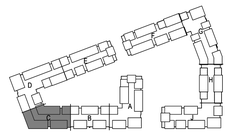

NORTH
KEY PLAN
NO SCALE

△REVISIONS

2	23 0428	ADD 1CC 2
7	23-07-13	ASI 3

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT C - 3RD FLOOR - PLUMBING
SHEET NO. P1.11

7/13/2023 4:29:26 PM

ARCH E1.30" x 42"

NOTES:
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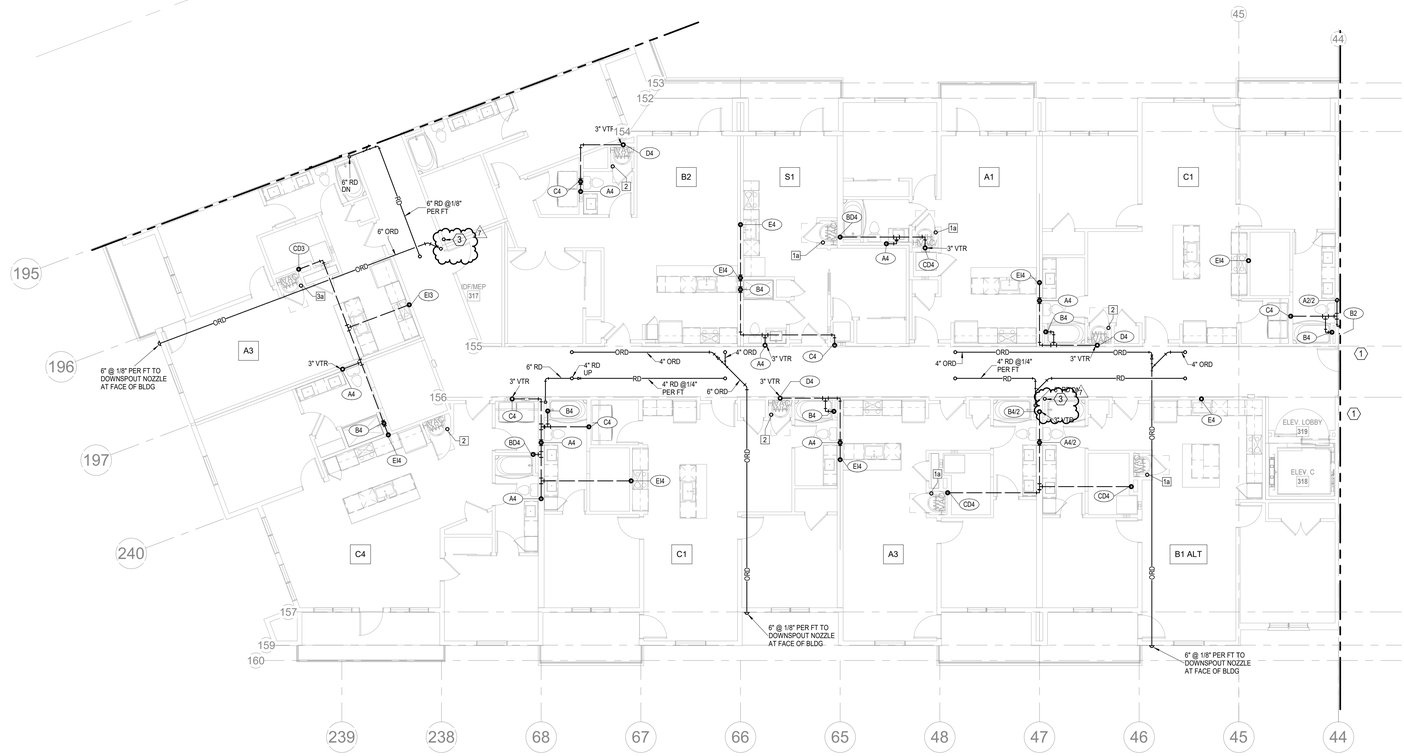

NORTH

1 4TH FLOOR - SEGMENT C

PLUMBING

1/8" = 1'-0"

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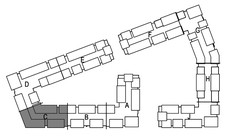
REVISIONS

2	23 0428	ADD 1/CC 2
7	23-07-13	ASI 3



NORTH

KEY PLAN

NO SCALE

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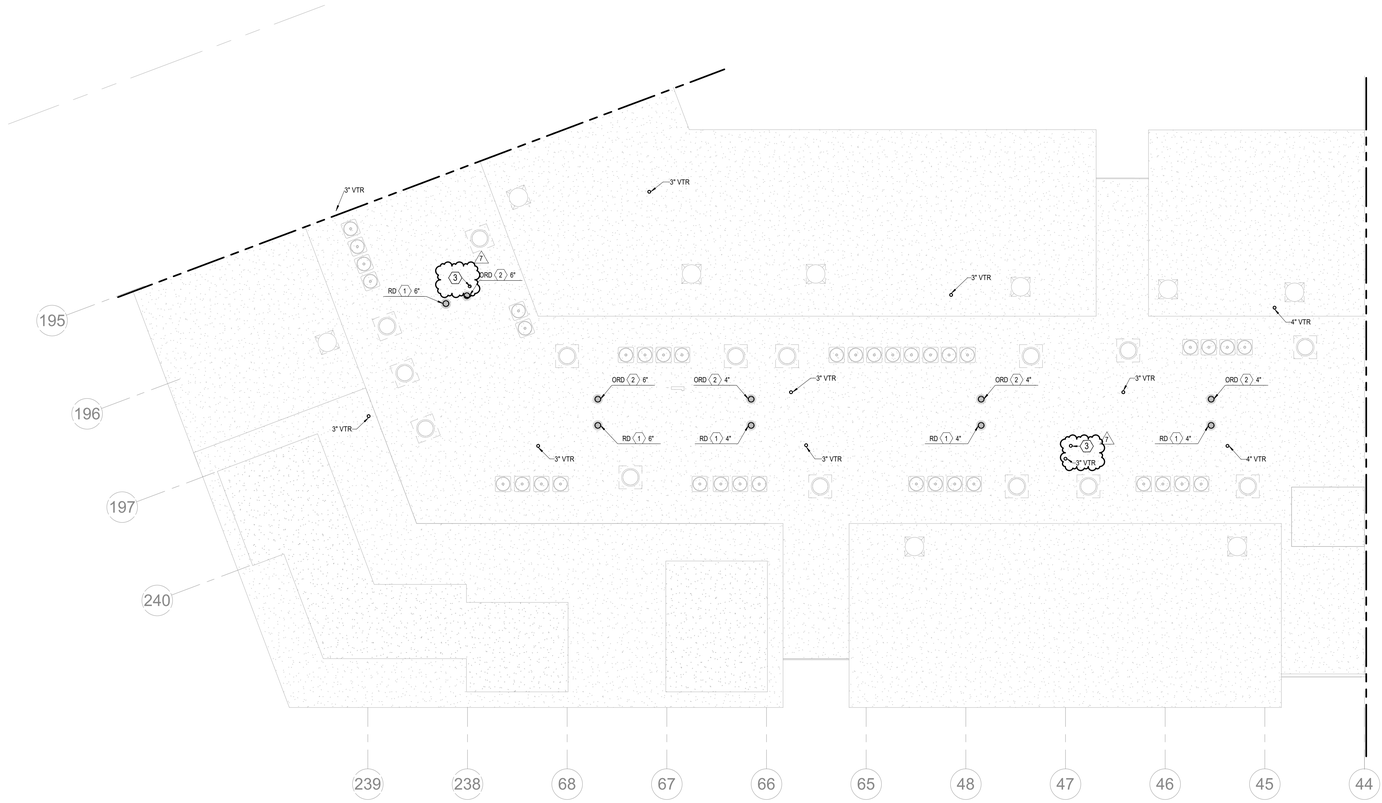
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT C - 4TH FLOOR - PLUMBING
SHEET NO. P1.12

7/13/2023 4:29:27 PM

ARCH E1 30" x 42"



NORTH

1 ROOF PLAN - SEGMENT C

PLUMBING
1/8" = 1'-0"

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6/9/2023

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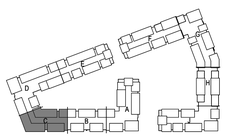
7 23-07-13 ASI 3



NORTH

KEY PLAN

NO SCALE

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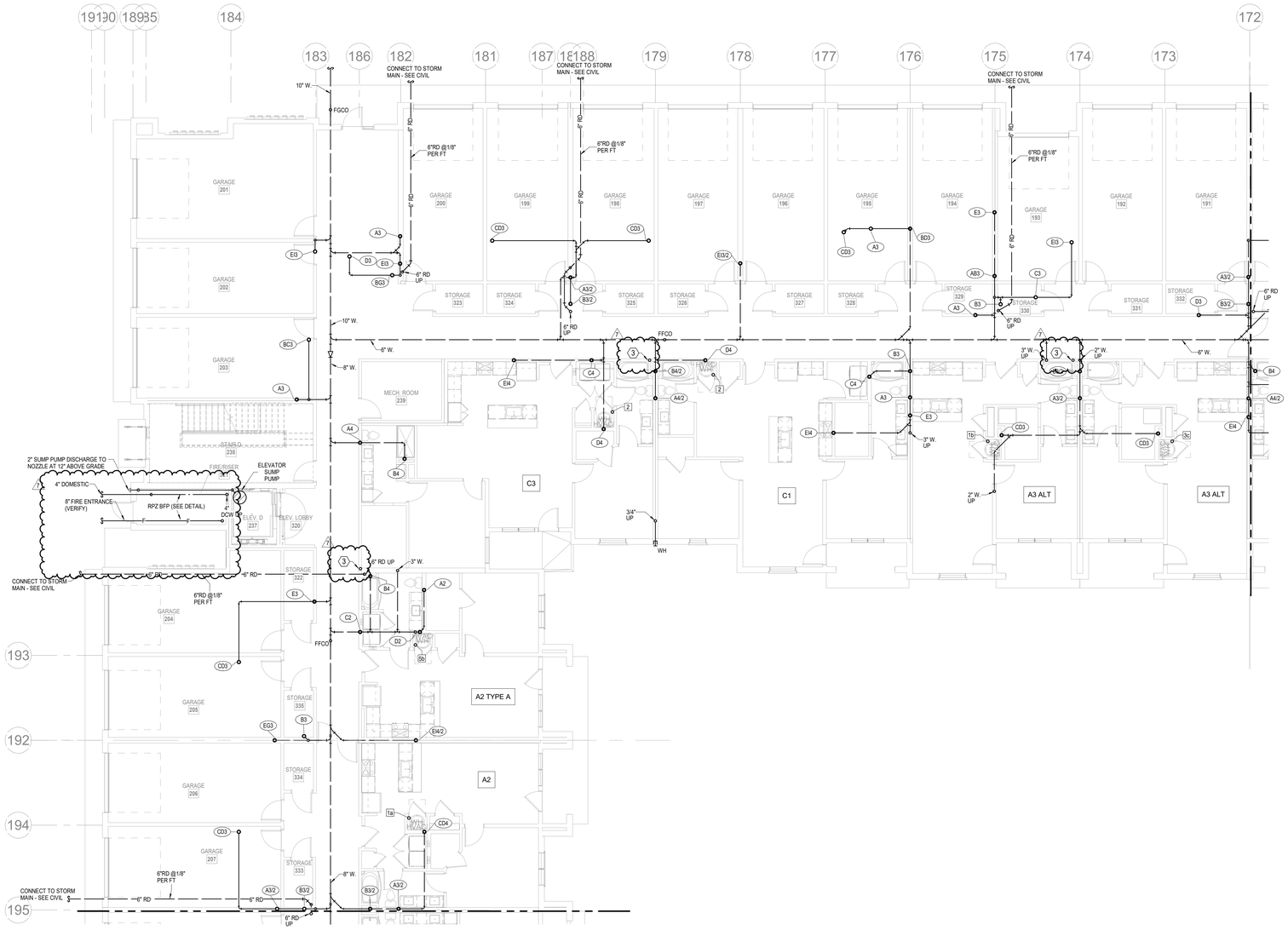
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB.NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT C - ROOF PLAN - PLUMBING
SHEET NO. P1.13

7/13/2023 4:29:28 PM

ARCH E1.30" x 42"



1 1ST FLOOR - SEGMENT D

PLUMBING

1/8" = 1'-0"

NORTH

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6/9/2023

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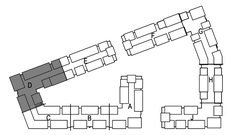

NORTH

KEY PLAN

NO SCALE

△ REVISIONS

2	23.0428	ADD 1:CC 2
7	23-07-13	ASI 3

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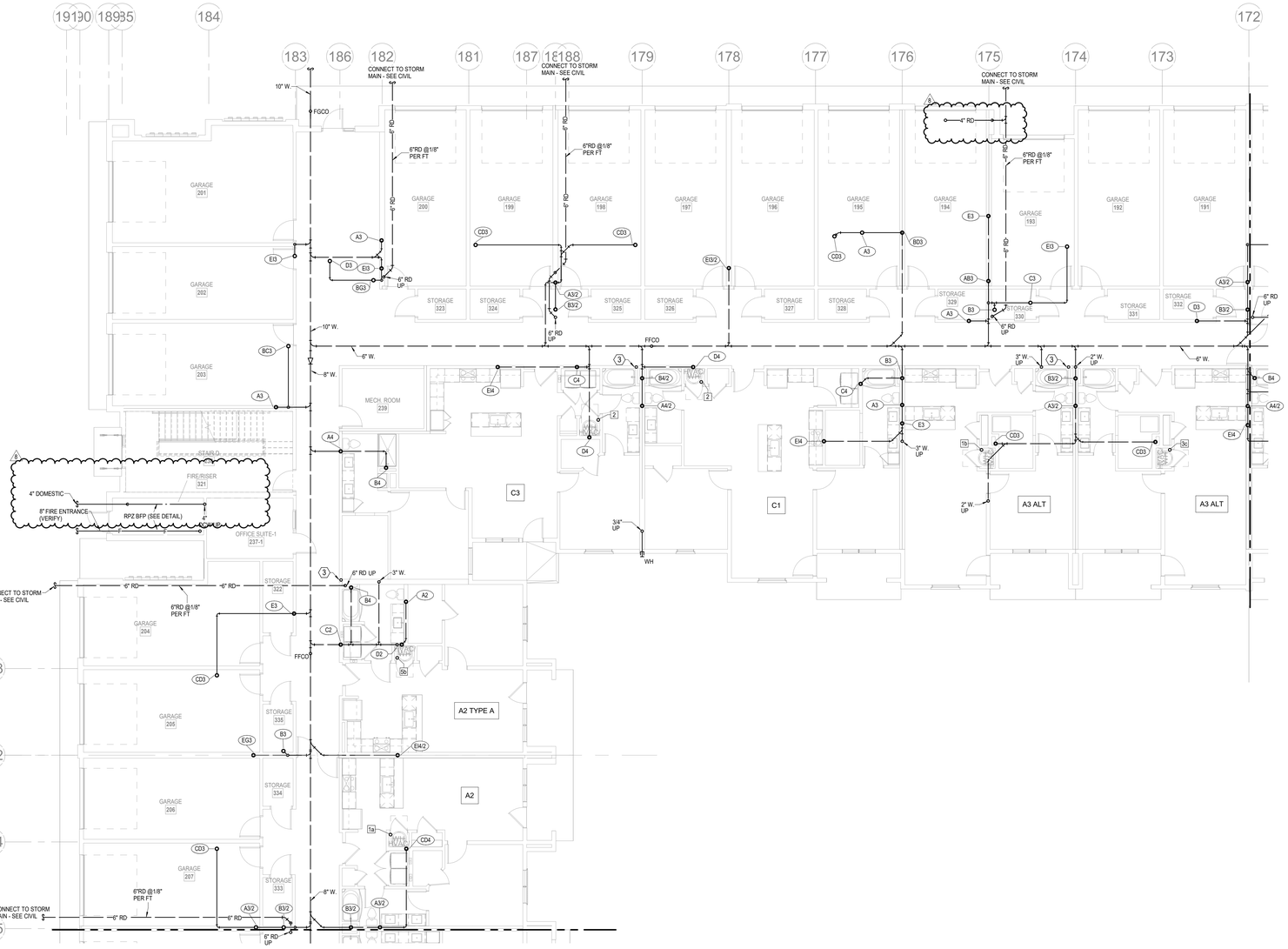
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 1ST FLOOR - PLUMBING
SHEET NO. P1.14

7/13/2023 4:29:30 PM

ARCH E1.30" x 42"



NORTH

1 1ST FLOOR - SEGMENT D

PLUMBING

1/8" = 1'-0"

NOTES:
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6/9/2023

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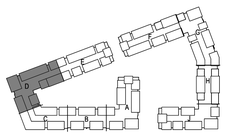

NORTH

KEY PLAN

NO SCALE

REVISIONS

2	23.0428	ADD 1CC 2
7	23-07-13	ASI 3
8	23-08-11	ASI 4

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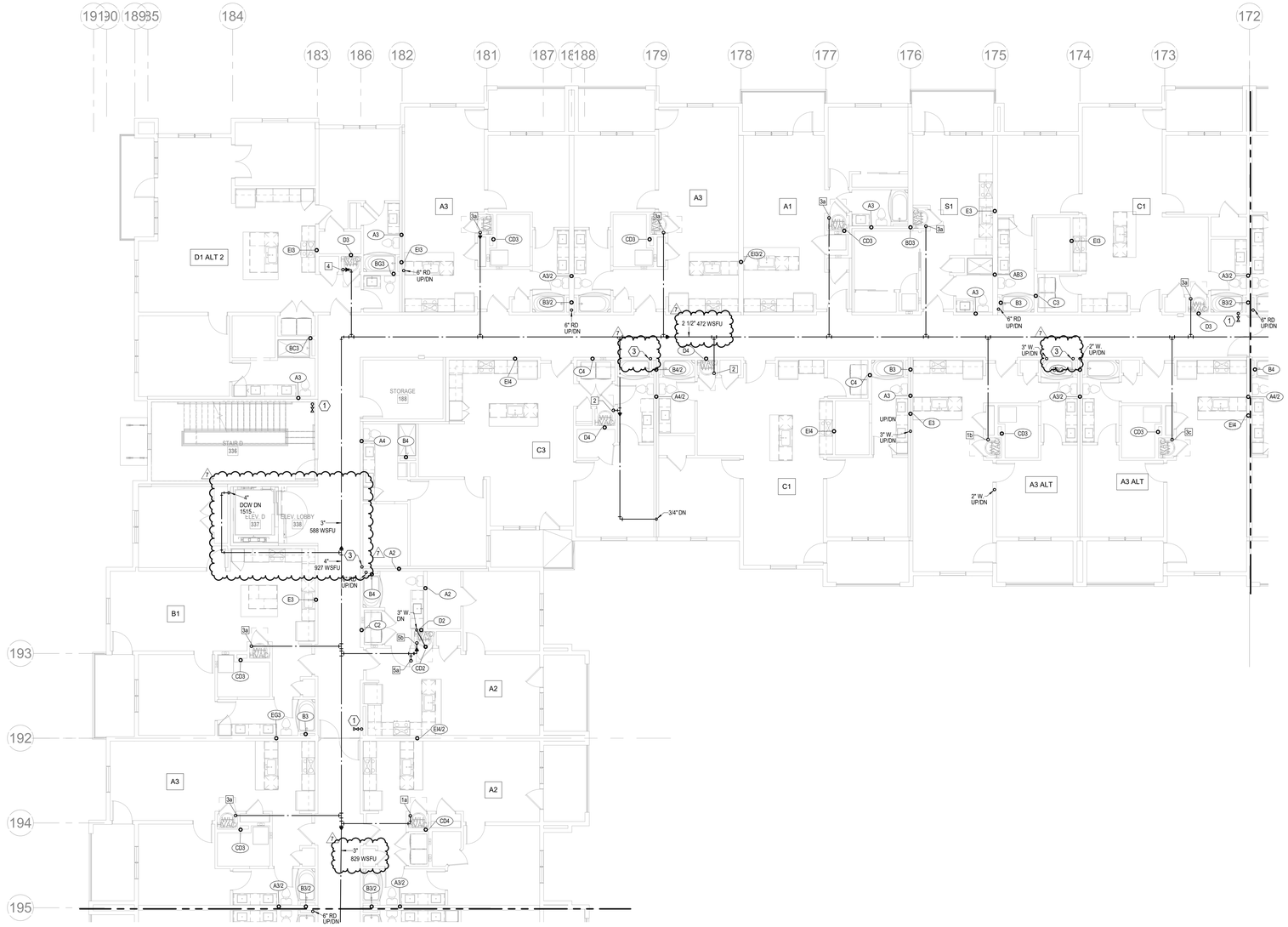
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 1ST FLOOR - PLUMBING
SHEET NO. P1.14

8/10/2023 2:20:35 PM

ARCH E1.30" x 42"



1 2ND FLOOR - SEGMENT D

PLUMBING

1/8" = 1'-0"

NORTH

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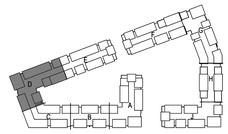
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

△ REVISIONS

2	23 0428	ADD 1/CC 2
7	23-07-13	ASI 3

LS&A
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3639 SW Summerfield Drive, Suite A
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921 | DATE 03.15.2023

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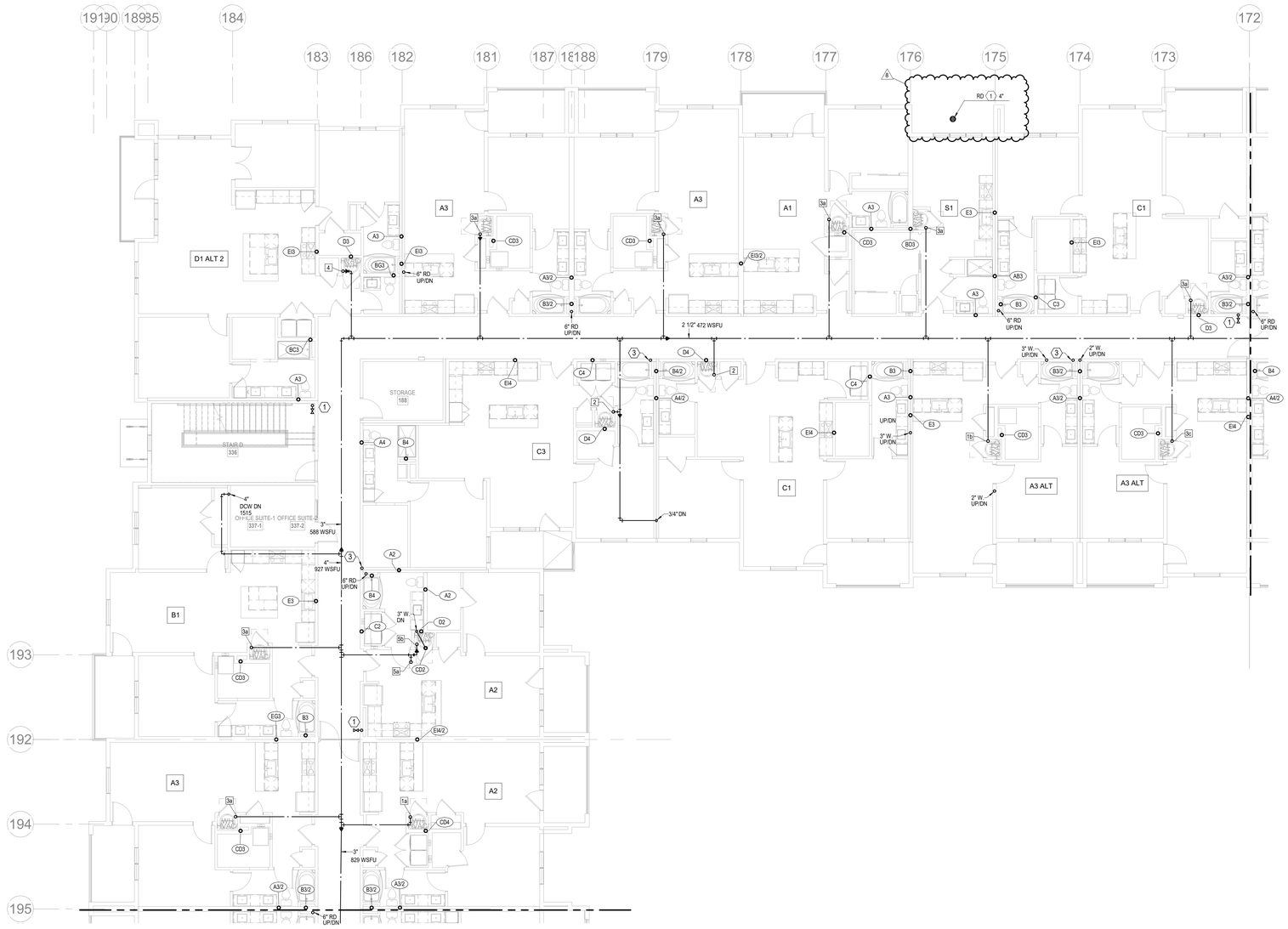
5/17/2023 CITY COMMENTS #3

SHEET NAME SEGMENT D - 2ND FLOOR - PLUMBING

SHEET NO. P1.15

7/13/2023 4:29:32 PM

ARCH E1.30" x 42"



NORTH

1 2ND FLOOR - SEGMENT D

PLUMBING

1/8" = 1'-0"

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

LEGEND:
(1) CLASS 1MANUAL STANDPIPE WITH VALVE.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) 3" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
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ENERGY SERVICES

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NUMBER
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

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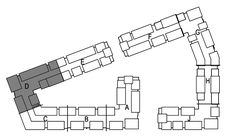

NORTH

KEY PLAN

NO SCALE

REVISIONS

2	23-0428	ADD 1/CC 2
7	23-07-13	ASI 3
8	23-08-11	ASI 4

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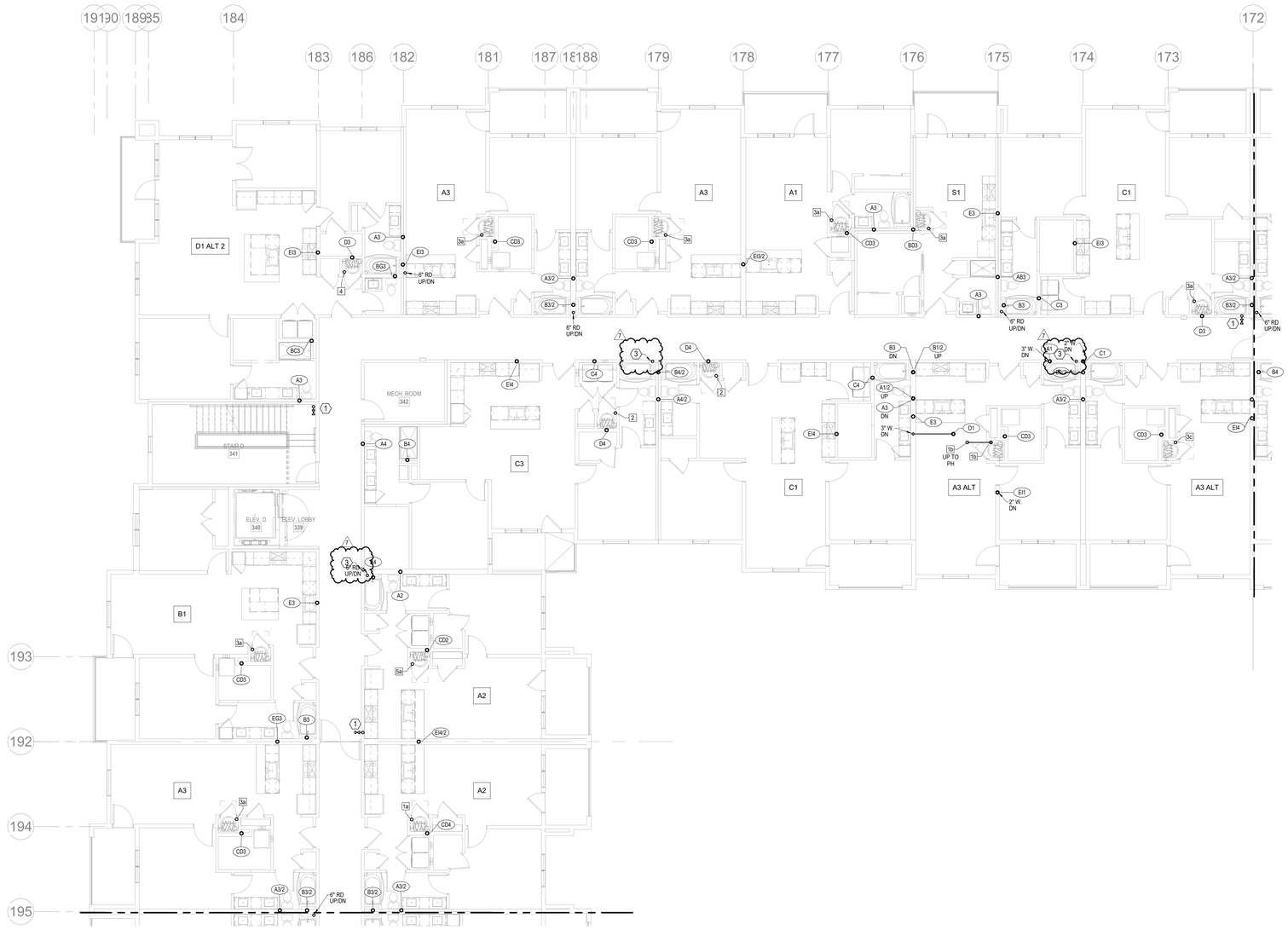
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 2ND FLOOR - PLUMBING
SHEET NO. P1.15

8/10/2023 2:20:39 PM

ARCH E1.50" x 42"



1 3RD FLOOR - SEGMENT D
PLUMBING
1/8" = 1'-0"

NORTH

NOTES:

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

LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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6/9/2023

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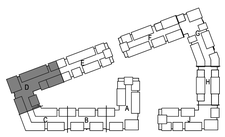

KEY PLAN
NO SCALE

NORTH

△ REVISIONS
2 23 0428 ADD 1:CC 2
7 23-07-13 ASI 3

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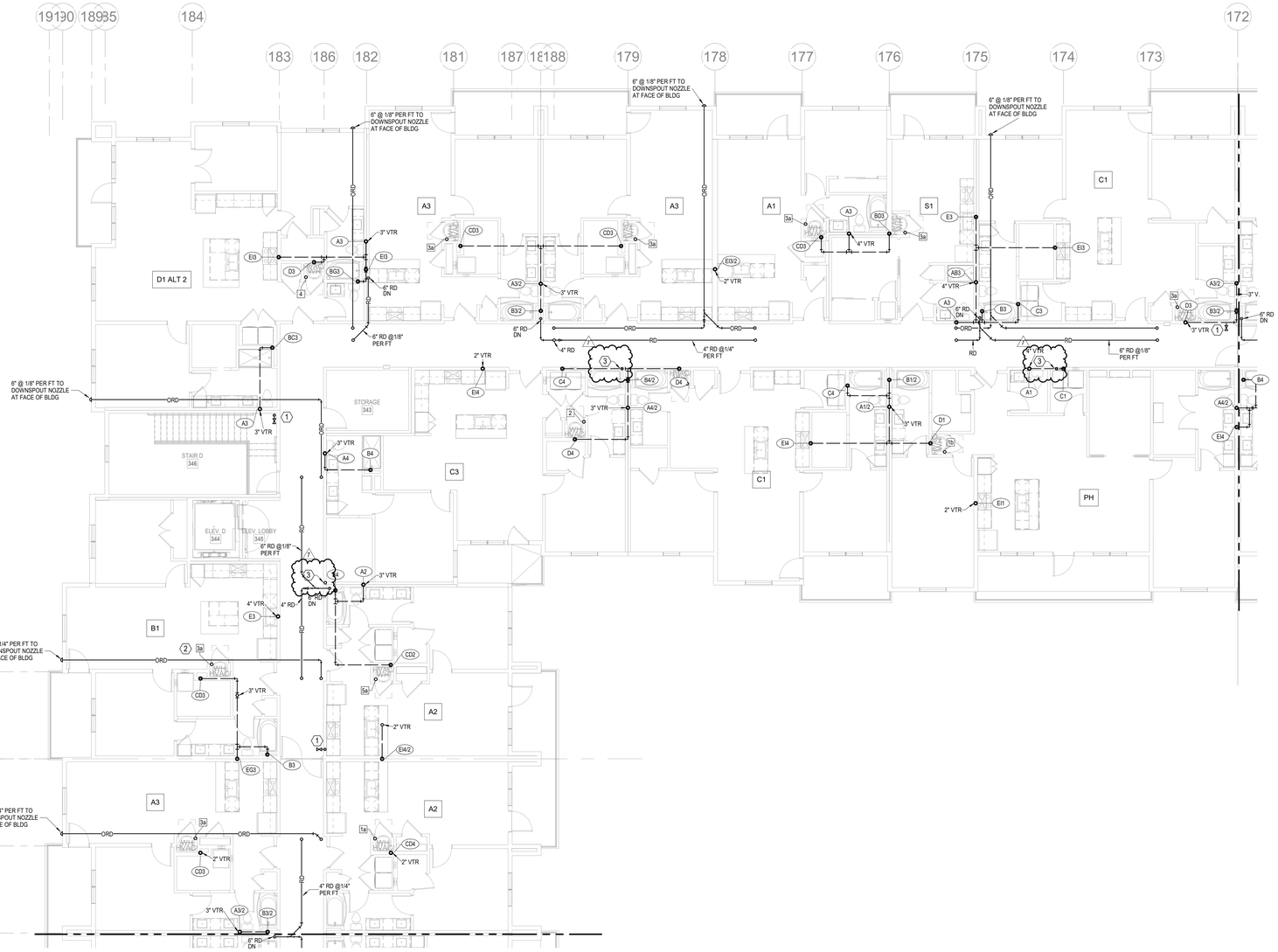
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 3RD FLOOR - PLUMBING
SHEET NO. P1.16

7/13/2023 4:29:33 PM

ARCH E1.50" x 42"



1 4TH FLOOR - SEGMENT D

PLUMBING
1/8" = 1'-0"

NORTH

NOTES:

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4. ALL SUPPLY PIPING IS ½" UNLESS NOTED OTHERWISE OR REQUIRED BY THE PLUMBING CODE.
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8. ALL FIXTURES SHALL HAVE EXPANSION COMPENSATOR OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
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LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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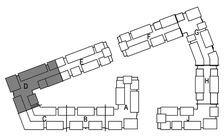
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS
2 23-0428 ADD 1:CC 2
7 23-07-13 ASI 3



NORTH

KEY PLAN

NO SCALE

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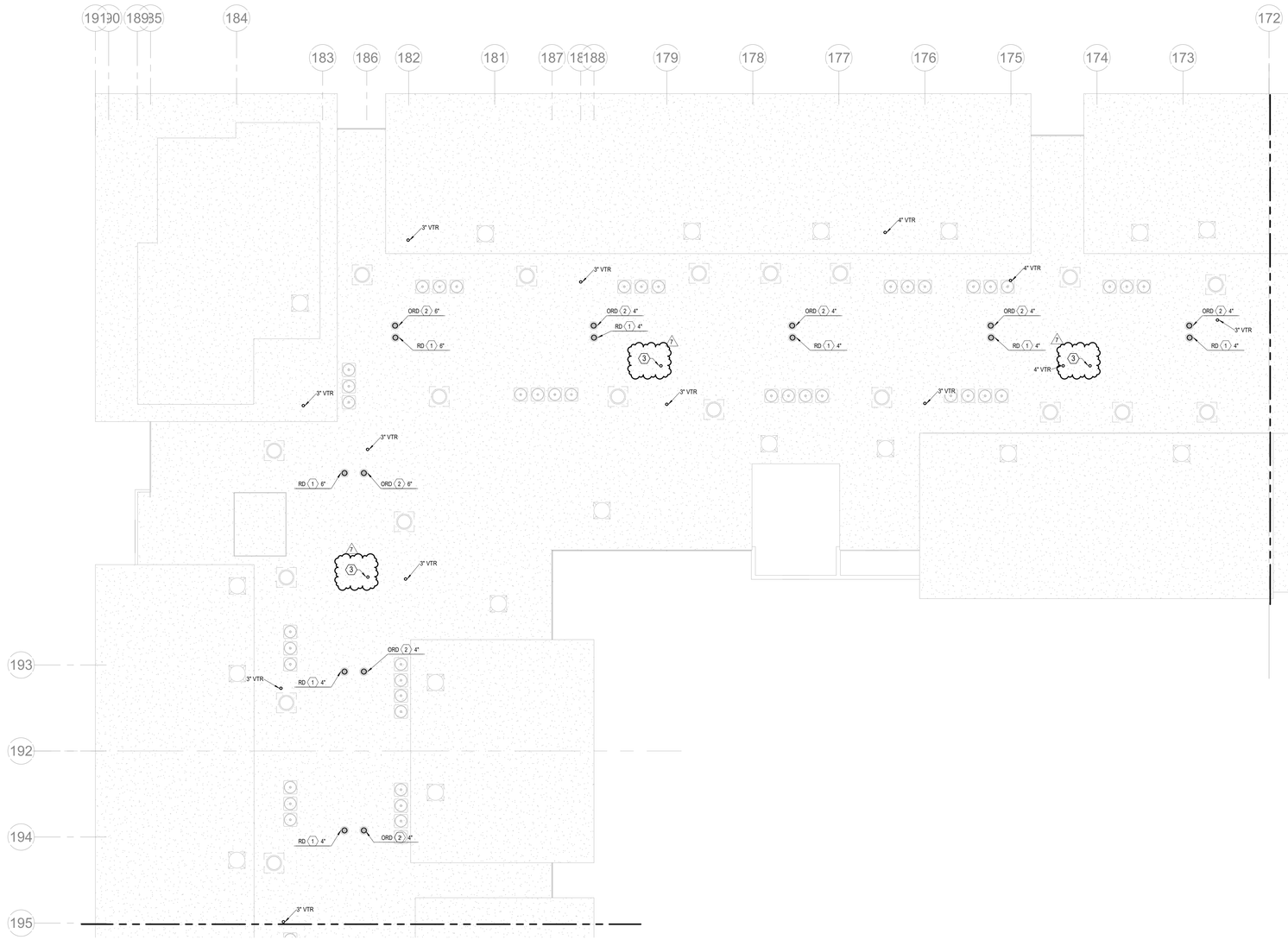
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 4TH FLOOR - PLUMBING
SHEET NO. P1.17

7/13/2023 4:29:36 PM

ARCH E1.30" x 42"



1 ROOF PLAN - SEGMENT D

PLUMBING

1/8" = 1'-0"

NOTES:
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LEGEND:
1 CLASS 1MANUAL STANDPIPE WITH VALVE.
2 3/4" CW UP TO ROOF HYDRANT.
3 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
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NUMBER
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6/9/2023

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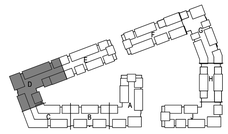
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

△REVISIONS

2	23 0428	ADD 1/CC 2
7	23-07-13	ASI 3

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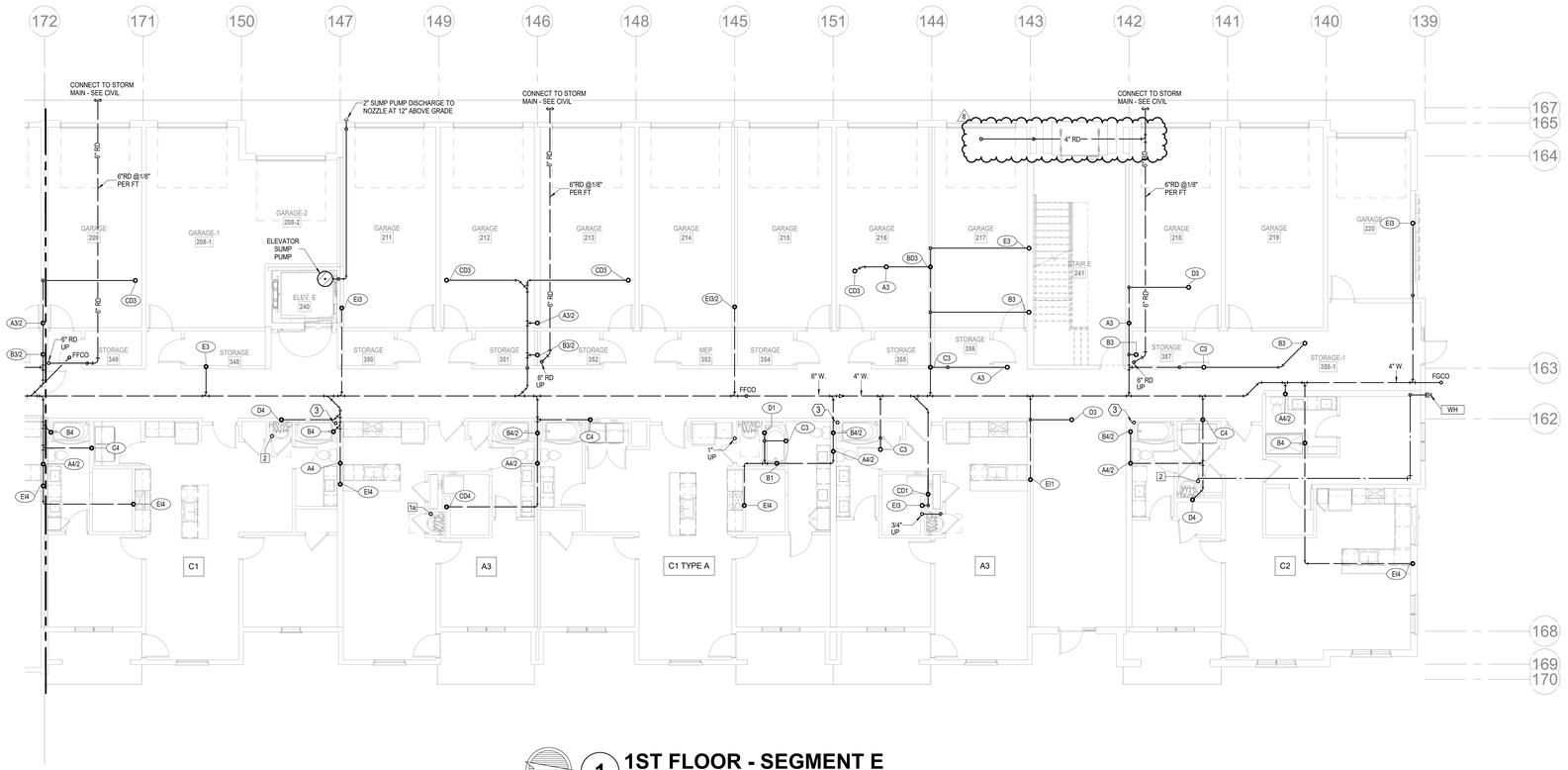
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - ROOF PLAN - PLUMBING
SHEET NO. P1.18

7/13/2023 4:29:37 PM

ARCH E1.50" x 42"



NORTH

1 1ST FLOOR - SEGMENT E

PLUMBING
1/8" = 1'-0"

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE EXPANSION COMPENSATOR OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
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LEGEND:

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RICHARD R. BEARDMORE
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6/9/2023

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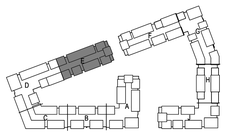

NORTH

KEY PLAN
NO SCALE

REVISIONS
7 23-07-13 ASI 3
8 23-08-11 ASI 4

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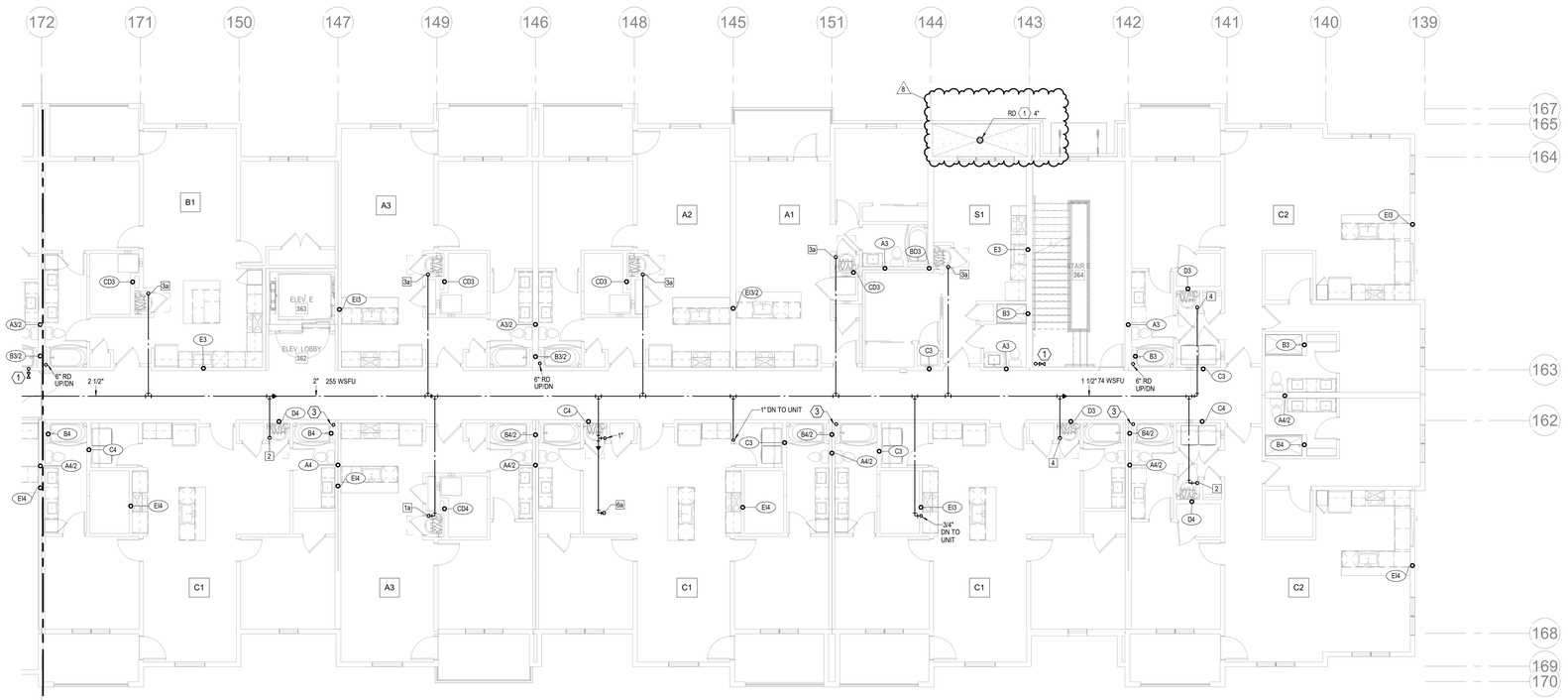
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT E - 1ST FLOOR - PLUMBING
SHEET NO. P1.19

8/10/2023 2:20:43 PM

ARCH E1.30" x 42"



1 2ND FLOOR - SEGMENT E

PLUMBING

1/8" = 1'-0"

NORTH

NOTES:
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RICHARD R. BEARDMORE
NUMBER A-2007018744
REGISTERED PROFESSIONAL ENGINEER

6/9/2023

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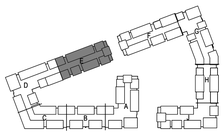

KEY PLAN

NO SCALE

NORTH

REVISIONS

2	23.0428	ADD 1/CC 2
7	23-07-13	ASI 3
8	23-08-11	ASI 4

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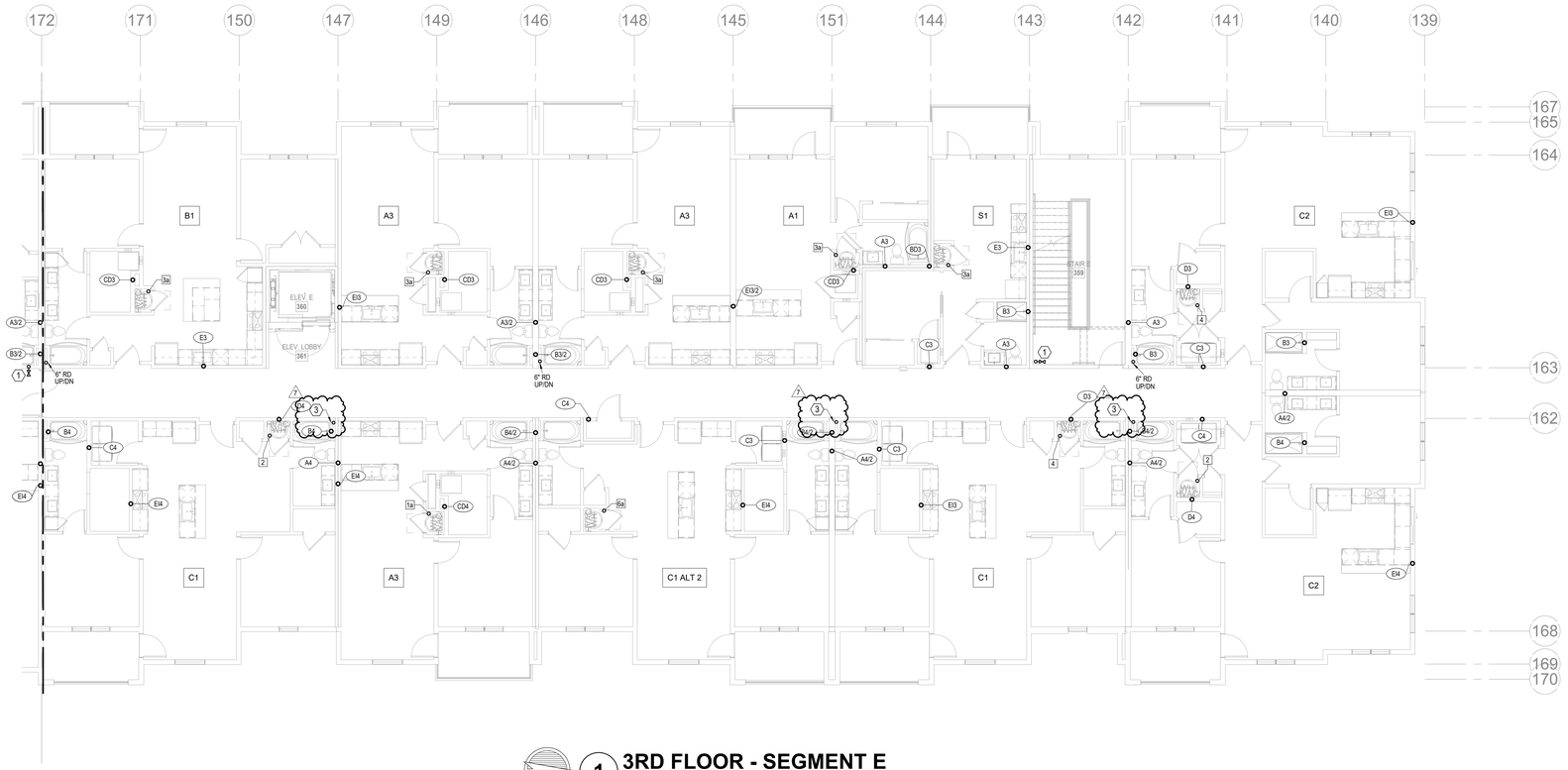
SHEET NAME SEGMENT E - 2ND FLOOR - PLUMBING
SHEET NO. P1.20

8/10/2023 2:20:46 PM

ARCH E1.30" x 42"



1 **3RD FLOOR - SEGMENT E**
PLUMBING
1/8" = 1'-0"

NORTH

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNLESS NOTED OTHERWISE ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X4 UNLESS NOTED OTHERWISE
11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.

LEGEND:
(1) WP J.B. FOR RADON FAN

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RICHARD R. BEARDMORE
NUMBER 2010019744
PROFESSIONAL ENGINEER
6/9/2023

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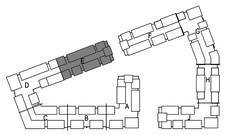
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN
NO SCALE

REVISIONS
2 23 0428 ADD 1CC 2
7 23-07-13 AD 3

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CONSULTING ENGINEERS
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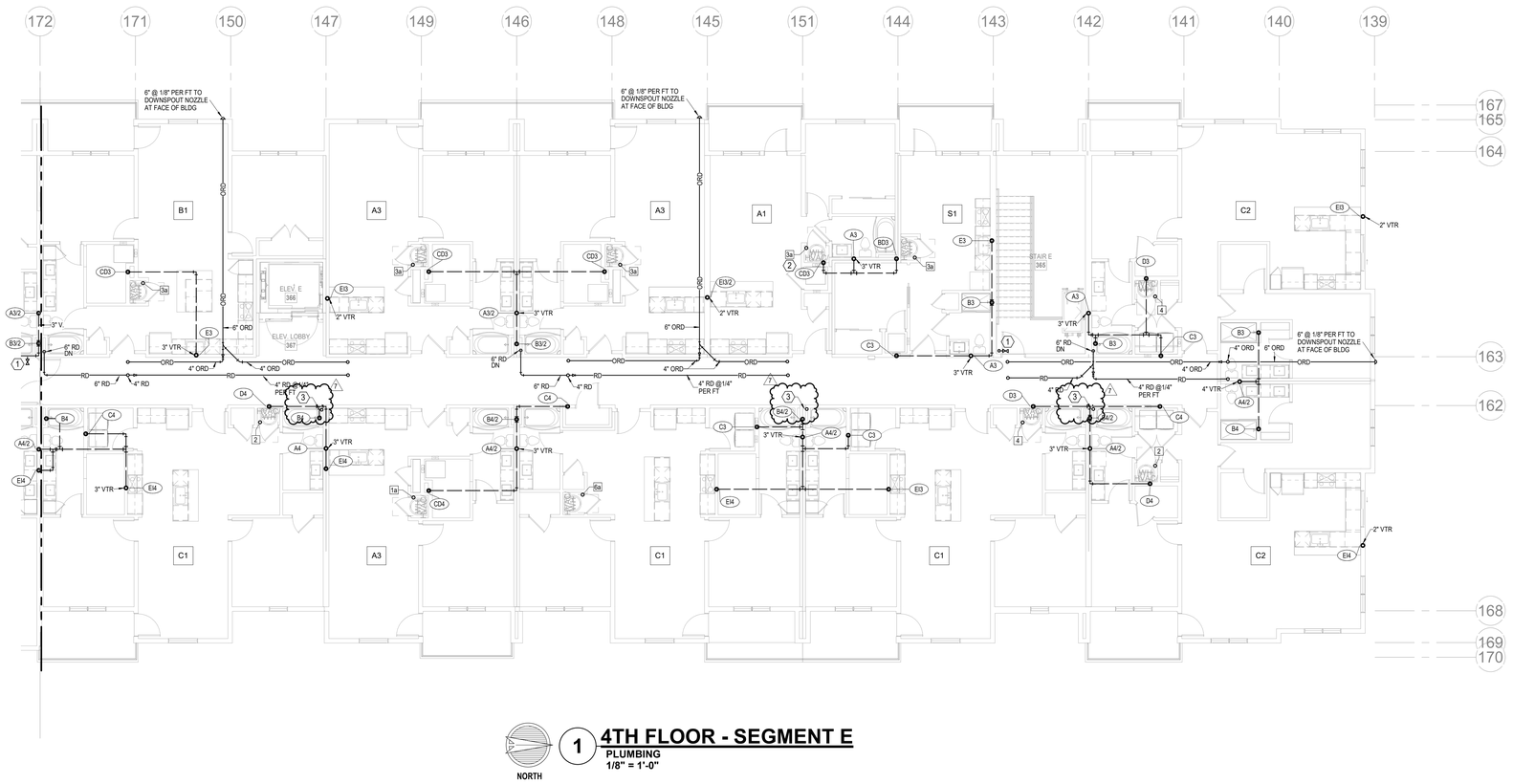
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT E - 3RD FLOOR - PLUMBING
SHEET NO. P1.21

7/13/2023 4:29:42 PM

ARCH E1.30" x 42"



1 **4TH FLOOR - SEGMENT E**
PLUMBING
1/8" = 1'-0"

NORTH

NOTES:

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

LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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NUMBER A-2007018
REGISTERED PROFESSIONAL ENGINEER
6/9/2023

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DRAWING RELEASE LOG
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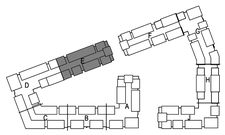
REVISIONS
2 23.0428 ADD 1/CC 2
7 23-07-13 ASI 3



NORTH

KEY PLAN
NO SCALE

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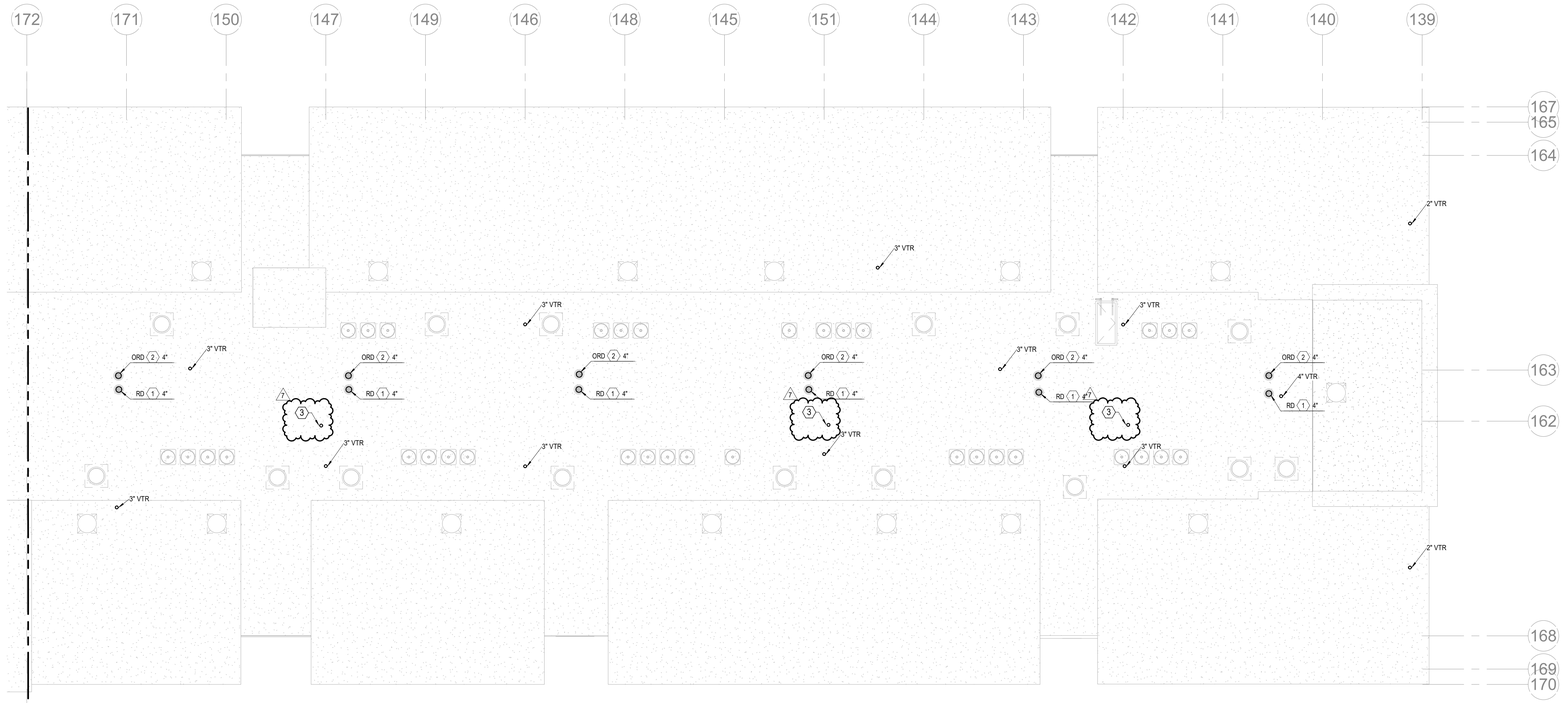
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT E - 4TH FLOOR - PLUMBING
SHEET NO. P1.22

7/13/2023 4:29:44 PM

ARCH E1.30" x 42"



NORTH

1 ROOF PLAN - SEGMENT E

PLUMBING
1/8" = 1'-0"

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4. ALL SUPPLY PIPING IS ½" UNLESS NOTED OTHERWISE OR REQUIRED BY THE PLUMBING CODE.
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6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
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8. ALL FIXTURES SHALL HAVE EXPANSION COMPENSATOR OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
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12. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.
13. FIRE SPRINKLER SHALL BE PROVIDED FOR ALL AREAS OF THE BUILDING PER NFPA. THIS INCLUDES A PROTECTED OR DRY SYSTEM FOR ANY UNHEATED AREAS. NO PIPE SHALL BE EXPOSED TO FREEZING TEMPERATURES.

LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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6/9/2023

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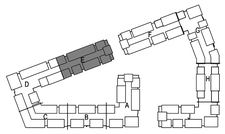

NORTH

KEY PLAN
NO SCALE

△ REVISIONS

2	23 0428	ADD 1/CC 2
7	23-07-13	ASI 3

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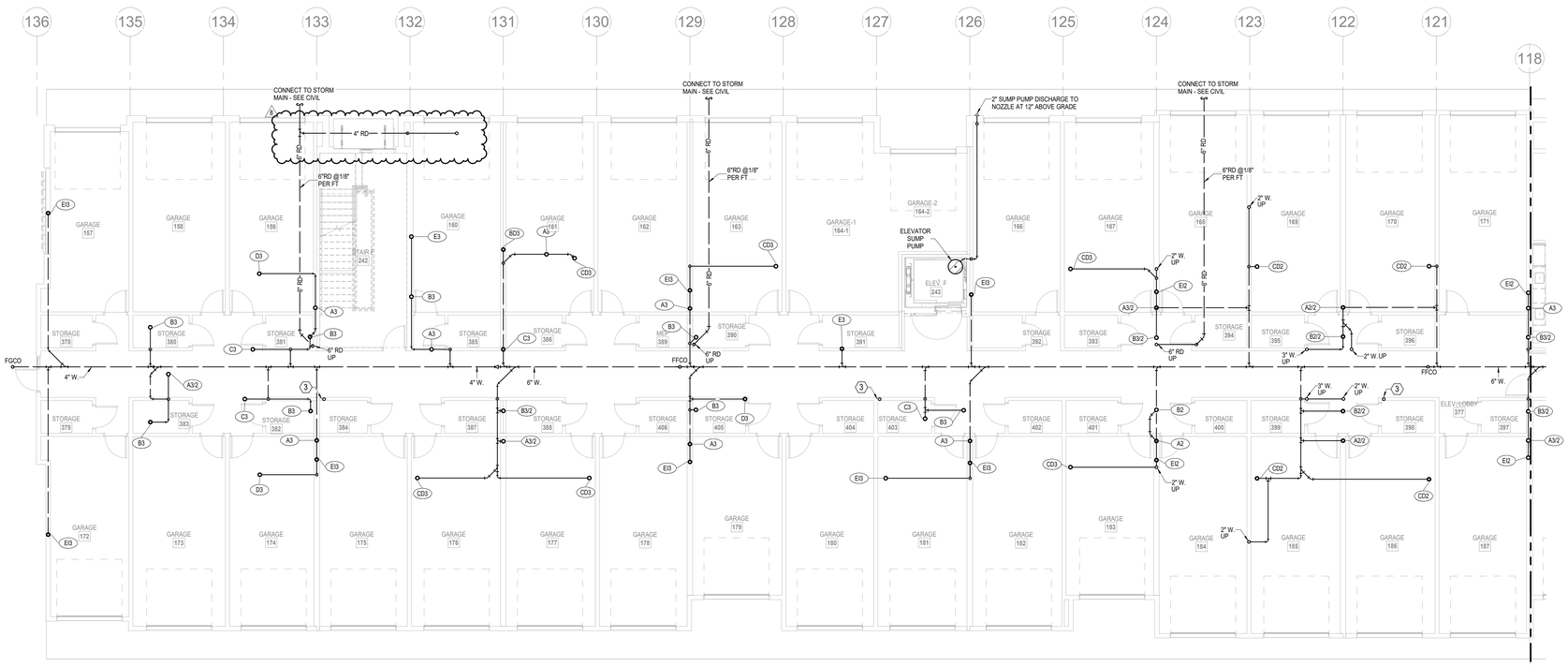
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT E - ROOF PLAN - PLUMBING
SHEET NO. P1.23

7/13/2023 4:29:45 PM

ARCH E1.30" x 42"



NORTH

1 1ST FLOOR - SEGMENT F

PLUMBING
1/8" = 1'-0"

NOTES:

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

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 3" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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PROFESSIONAL ENGINEER
6/9/2023

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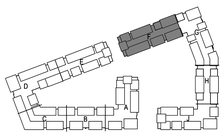

NORTH

KEY PLAN

NO SCALE

REVISIONS
7 23-07-13 ASI 3
8 23-08-11 ASI 4

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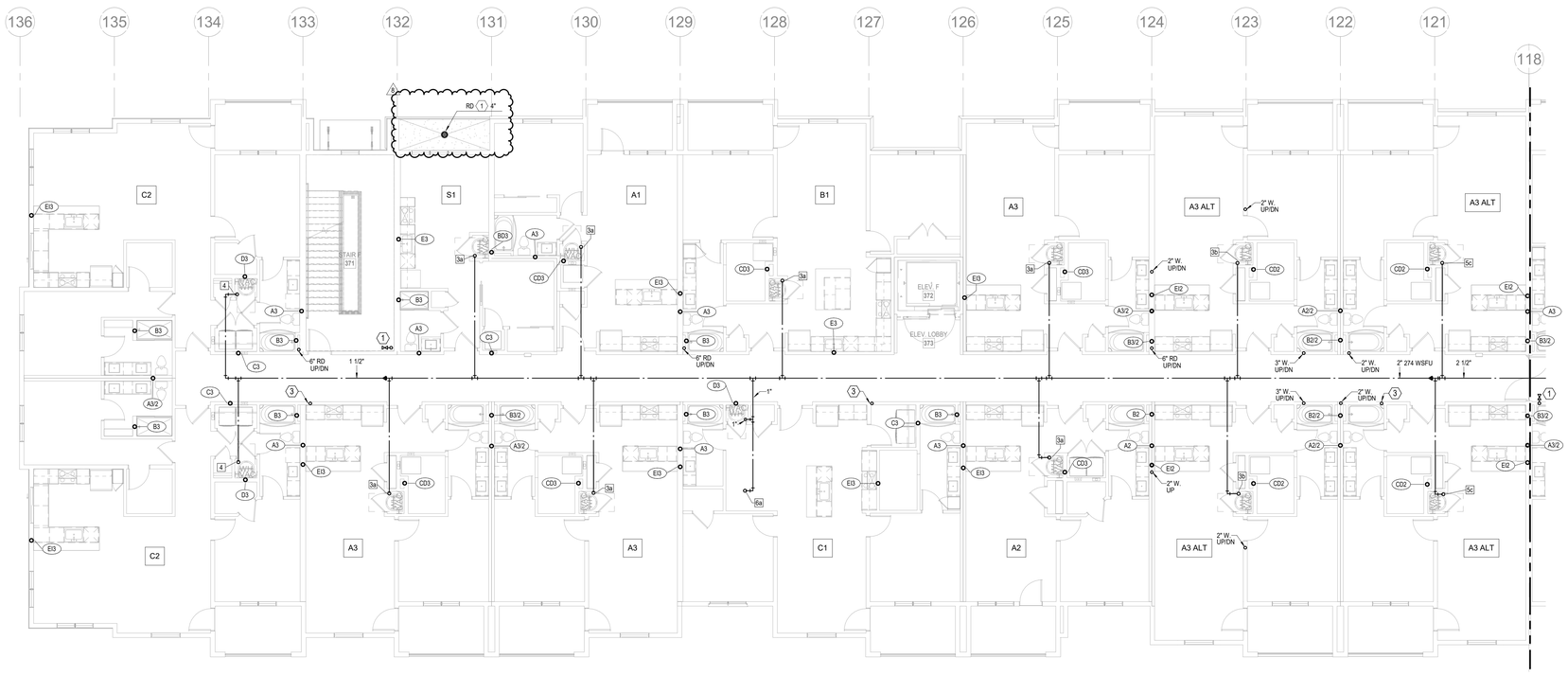
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT F - 1ST FLOOR - PLUMBING
SHEET NO. P1.24

8/10/2023 2:20:50 PM

ARCH E1 30" x 42"



NORTH

1 2ND FLOOR - SEGMENT F

PLUMBING
1/8" = 1'-0"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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12. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.
13. FIRE SPRINKLER SHALL BE PROVIDED FOR ALL AREAS OF THE BUILDING PER NFPA. THIS INCLUDES A PROTECTED OR DRY SYSTEM FOR ANY UNHEATED AREAS. NO PIPE SHALL BE EXPOSED TO FREEZING TEMPERATURES.

LEGEND:
(1) CLASS 1MANUAL STANDPIPE WITH VALVE.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) 3" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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NUMBER
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6/9/2023

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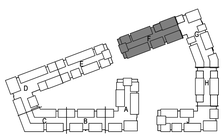
8	23-08-11	ASI 4



NORTH

KEY PLAN
NO SCALE

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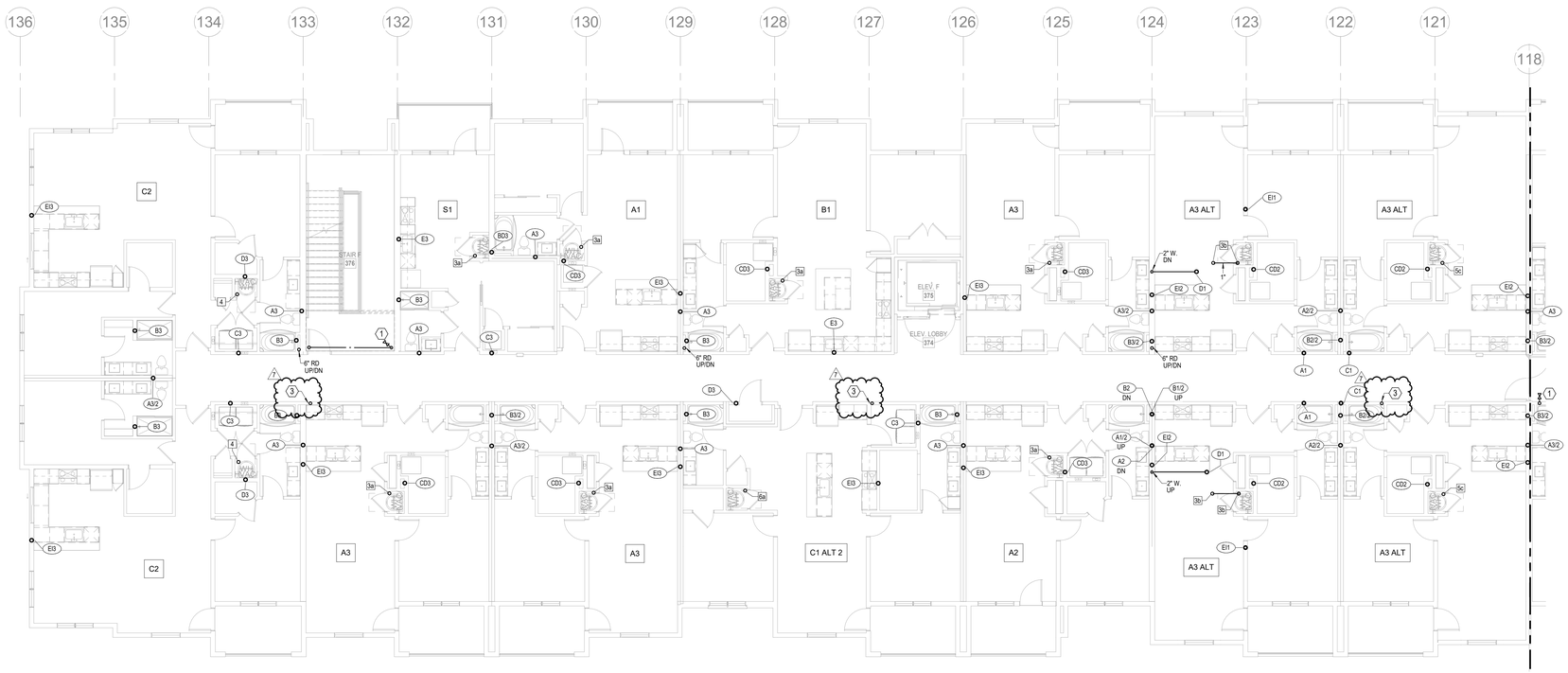
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT F - 2ND FLOOR - PLUMBING
SHEET NO. P1.25

8/10/2023 2:20:53 PM

ARCH E1.30" x 42"



1 3RD FLOOR - SEGMENT F

PLUMBING
1/8" = 1'-0"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE EXPANSION COMPENSATOR OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
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LEGEND:
(1) CLASS 1MANUAL STANDPIPE WITH VALVE.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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NUMBER A-2007018744
PROFESSIONAL ENGINEER
6/9/2023

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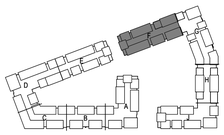
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS
2 23.0428 ADD 1/CC 2
7 23-07-13 ASI 3



KEY PLAN
NO SCALE

NORTH

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT F - 3RD FLOOR - PLUMBING
SHEET NO. P1.26

7/13/2023 4:29:51 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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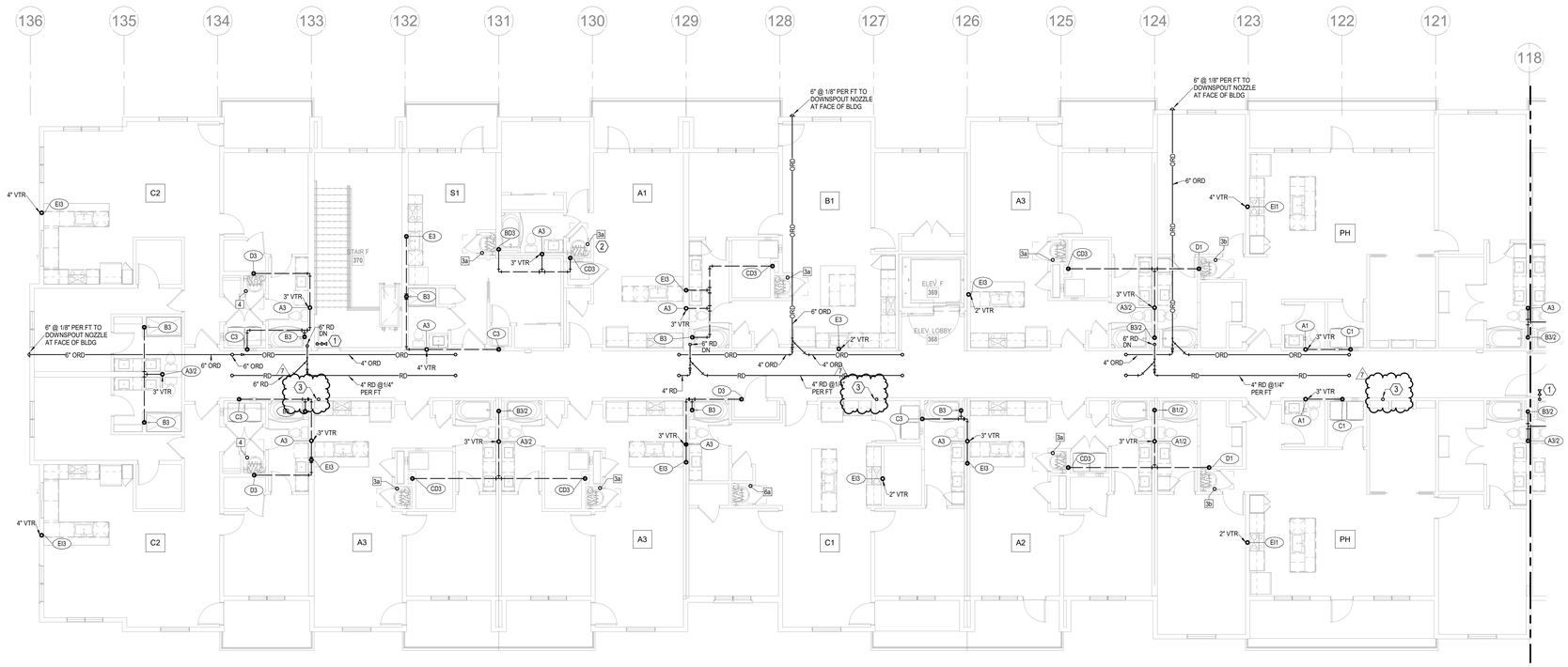
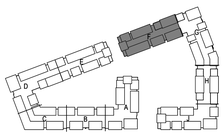
11. ROUTE DRAIN PIPING FROM WATER HEATERS, AIR HANDLERS OR EQUIPMENT TO FLOOR DRAINS. PROVIDE PROPER TRAPS.
12. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.
13. FIRE SPRINKLER SHALL BE PROVIDED FOR ALL AREAS OF THE BUILDING PER NFPA. THIS INCLUDES A PROTECTED OR DRY SYSTEM FOR ANY UNHEATED AREAS. NO PIPE SHALL BE EXPOSED TO FREEZING TEMPERATURES.

LEGEND:
(1) CLASS 1MANUAL STANDPIPE WITH VALVE.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.



1 **4TH FLOOR - SEGMENT F**
PLUMBING
1/8" = 1'-0"

NORTH



NORTH

KEY PLAN
NO SCALE

NSPJ ARCHITECTS
ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES
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PRAIRIE VILLAGE, KS 66208
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F. 913.831.1563
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER A-2007018766
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
▲ 03.15.2023 - PERMIT SUBMITTAL

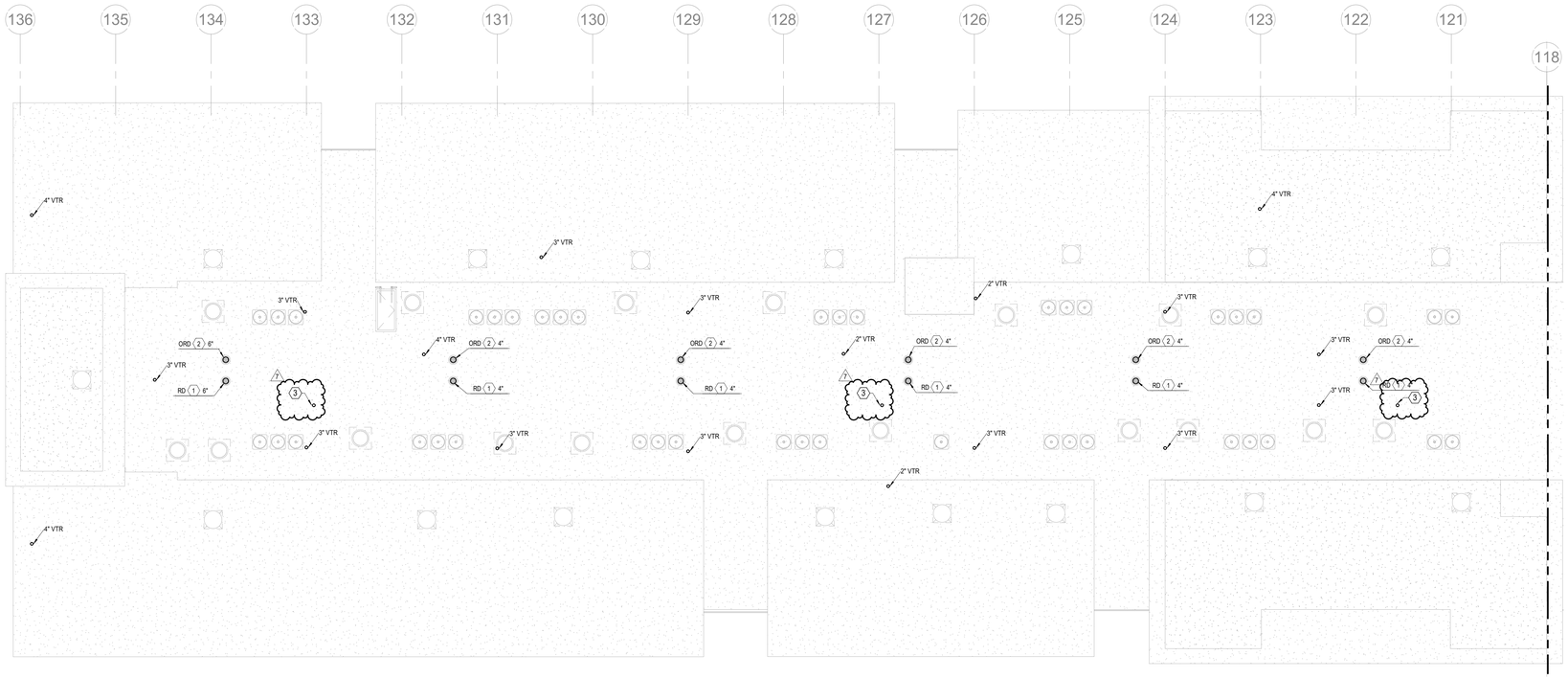
△ REVISIONS
2 23-0428 ADD 1:CC 2
7 23-07-13 ASI 3

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT F - 4TH FLOOR - PLUMBING
SHEET NO. P1.27

7/13/2023 4:29:53 PM

ARCH E1.30" x 42"



NORTH

1 ROOF PLAN - SEGMENT F

PLUMBING
1/8" = 1'-0"

NOTES:

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

LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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6/9/2023

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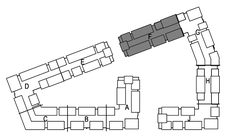
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
7 23-07-13 ASI 3



NORTH

KEY PLAN
NO SCALE

LS&A
Latimer Sommers & Associates P.A.
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3639 SW Summerfield Drive, Suite A
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8826 College Boulevard, Suite 102
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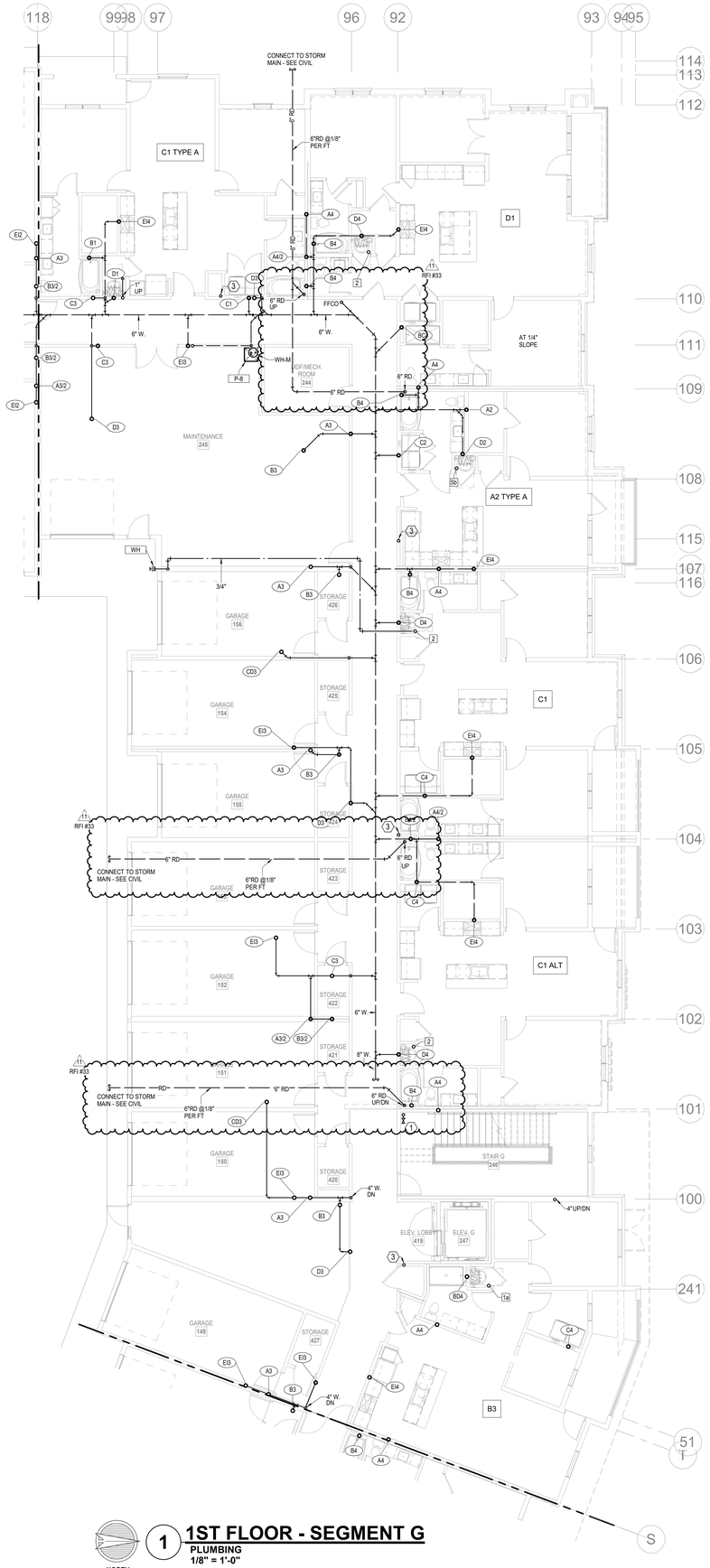
Telephone: (785) 233-3232
Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT F - ROOF PLAN - PLUMBING
SHEET NO. P1.28

7/13/2023 4:29:54 PM

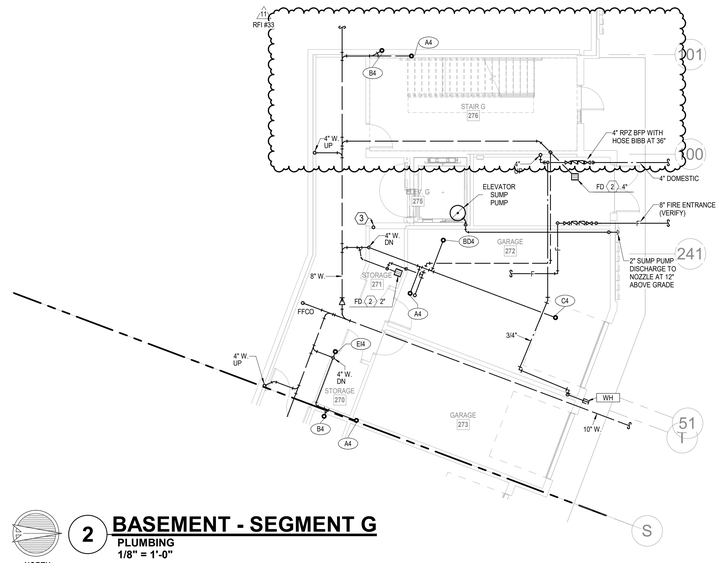
ARCH E1.30" x 42"



1 1ST FLOOR - SEGMENT G

PLUMBING
1/8" = 1'-0"

NORTH



2 BASEMENT - SEGMENT G

PLUMBING
1/8" = 1'-0"

NORTH

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL DRAIN, WASTE AND VENT PIPING IS 2" UNLESS NOTED OTHERWISE. ALL 2" AND 3" WASTE SLOPE AT ¼" PER FT. PIPING 4" AND GREATER MAY BE AT 1/8" PER FT UNLESS NOTED OTHERWISE.
3. ANY BELOW SLAB SUPPLY PIPING SHALL BE PEX WITH NO JOINTS.
4. ALL SUPPLY PIPING IS ½" UNLESS NOTED OTHERWISE OR REQUIRED BY THE PLUMBING CODE.
5. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE EXPANSION COMPENSATOR OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT. ALL FLOOR DRAINS ARE 2" TYPE 1 UNLESS NOTED OTHERWISE.
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LEGEND:
(1) CLASS 1MANUAL STANDPIPE WITH VALVE.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) 3" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

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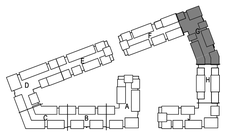
TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

REVISIONS		
2	23 0428	ADD 1CC 2
3	23 0511	ADDENDUM 2
7	23-07-13	ASI 3
8	23-08-11	ASI 4
11	23-11-03	ASI #7

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8625 College Boulevard, Suite 102
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT G - BASEMENT & 1ST FLOOR - PLUMBING
SHEET NO. P1.29

11/3/2023 8:51:35 AM

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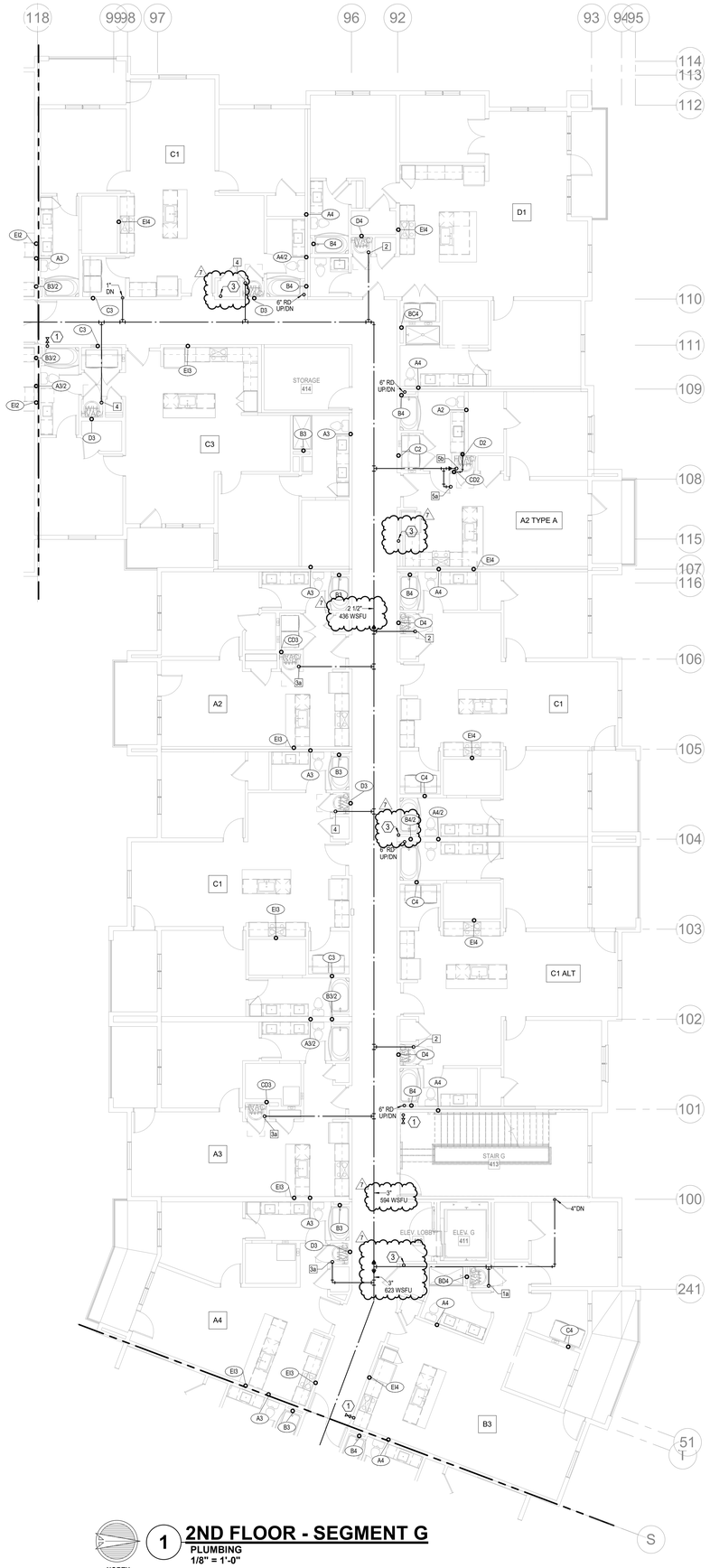
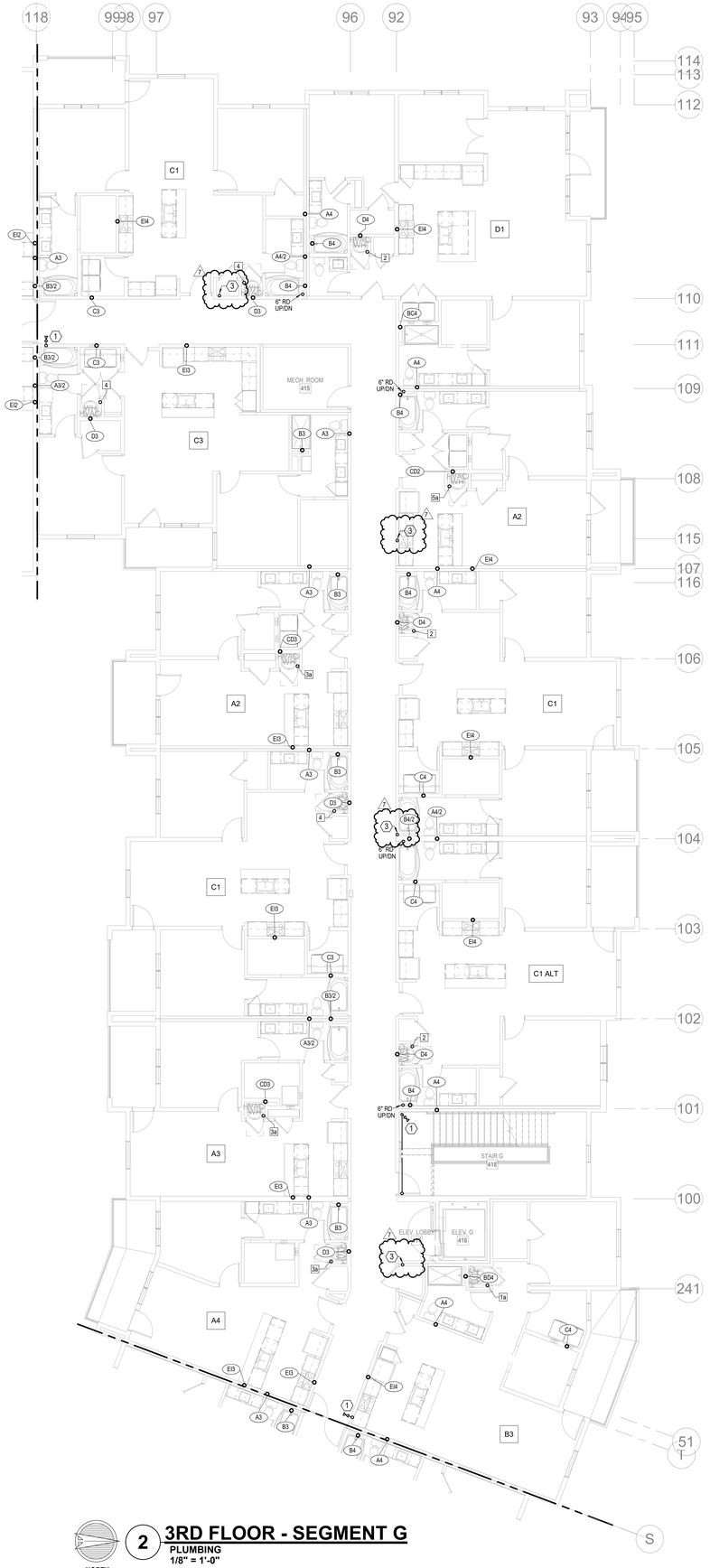


1 **2ND FLOOR - SEGMENT G**
PLUMBING
1/8" = 1'-0"
NORTH



2 **3RD FLOOR - SEGMENT G**
PLUMBING
1/8" = 1'-0"
NORTH

NOTES:

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

LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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ENERGY SERVICES
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RICHARD R. BEARDMORE
NUMBER A-2007018776
PROFESSIONAL ENGINEER
6/9/2023

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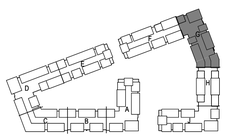
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE
NORTH

REVISIONS
2 23.0428 ADD 1CC 2
7 23-07-13 ASI 3

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
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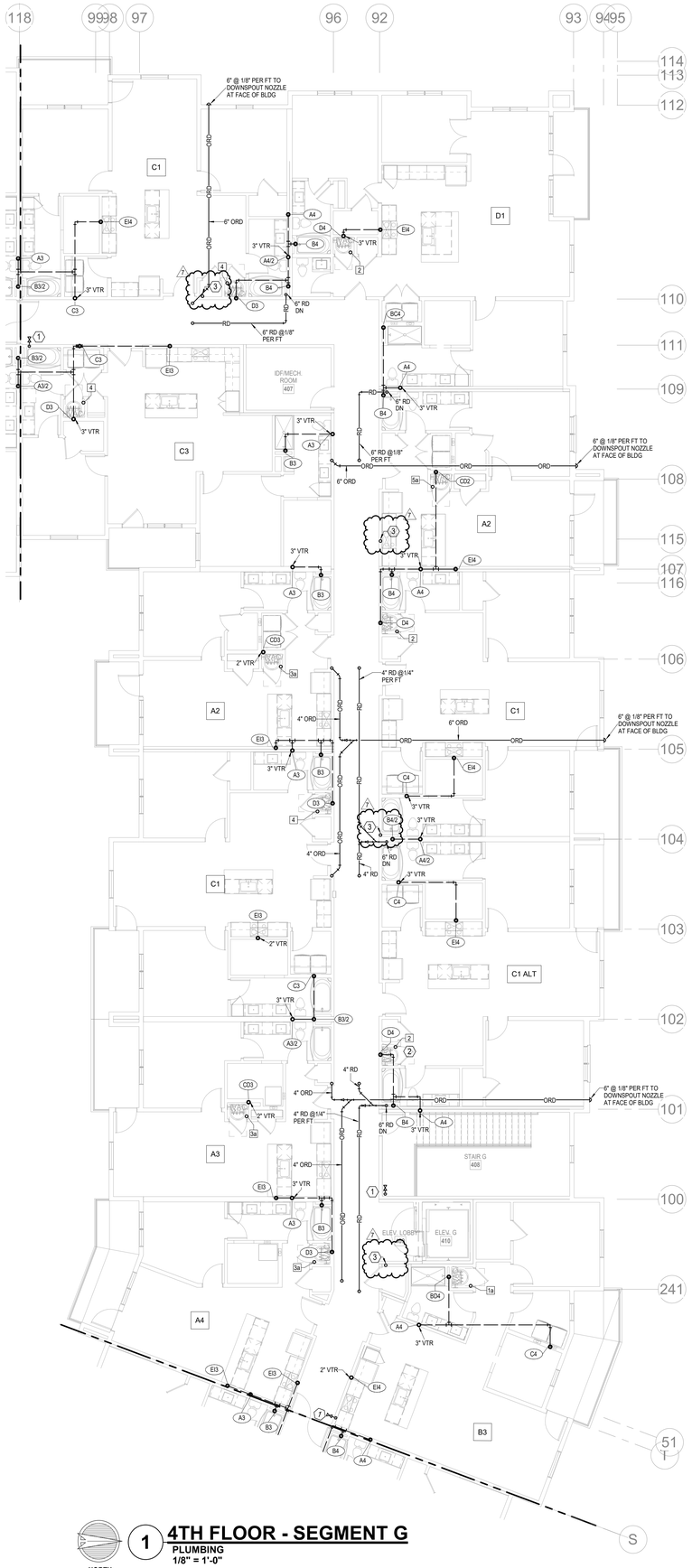
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT G - 2ND & 3RD FLOOR - PLUMBING
SHEET NO. P1.30

7/13/2023 4:29:59 PM

ARCH E1.50" x 42"



1 **4TH FLOOR - SEGMENT G**
PLUMBING
1/8" = 1'-0"

NORTH

2 **ROOF PLAN - SEGMENT G**
PLUMBING
1/8" = 1'-0"

NORTH

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES.
7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE EXPANSION COMPENSATOR OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT. ALL FLOOR DRAINS ARE 2" TYPE 1 UNLESS NOTED OTHERWISE.
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LEGEND:
(1) CLASS 1MANUAL STANDPIPE WITH VALVE.
(2) 3/4" CW UP TO ROOF HYDRANT.
(3) 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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LANDSCAPE ARCHITECTURE
ENERGY SERVICES
NSPJ
ARCHITECTS, Inc.
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REGISTERED
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

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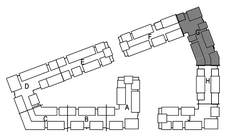
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE
NORTH

△ REVISIONS
2 23.0428 ADD 1/CC 2
7 23-07-13 ASI 3

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8625 College Boulevard, Suite 102
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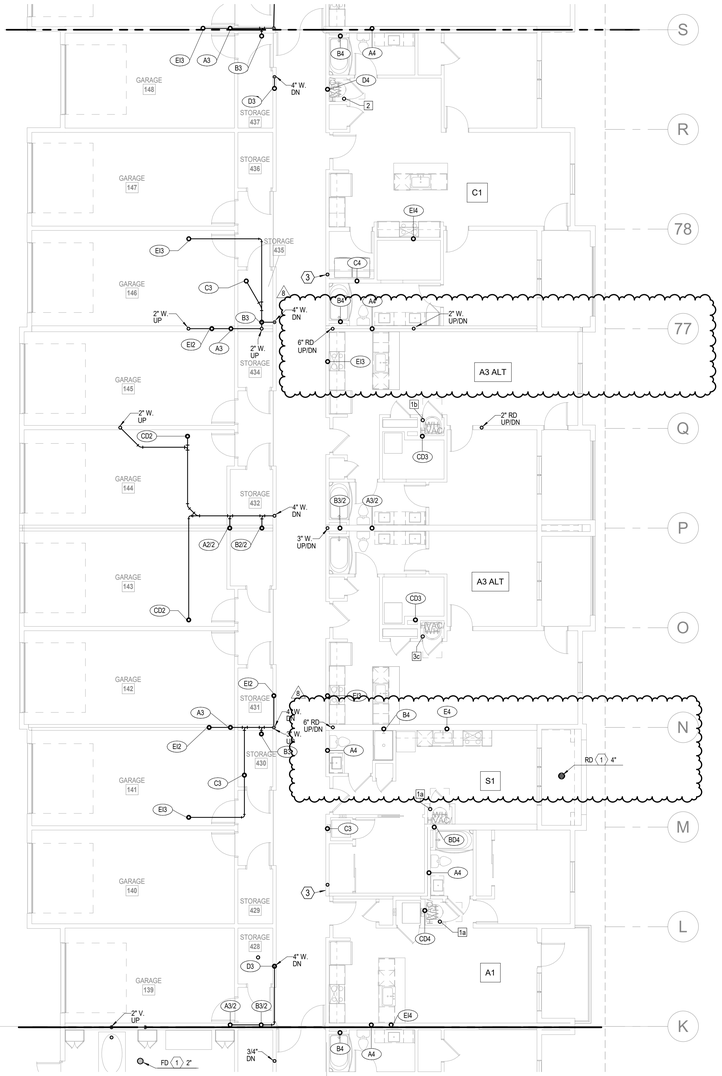
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT G - 4TH FLOOR & ROOF PLAN - PLUMBING
SHEET NO. P1.31

7/13/2023 4:30:02 PM

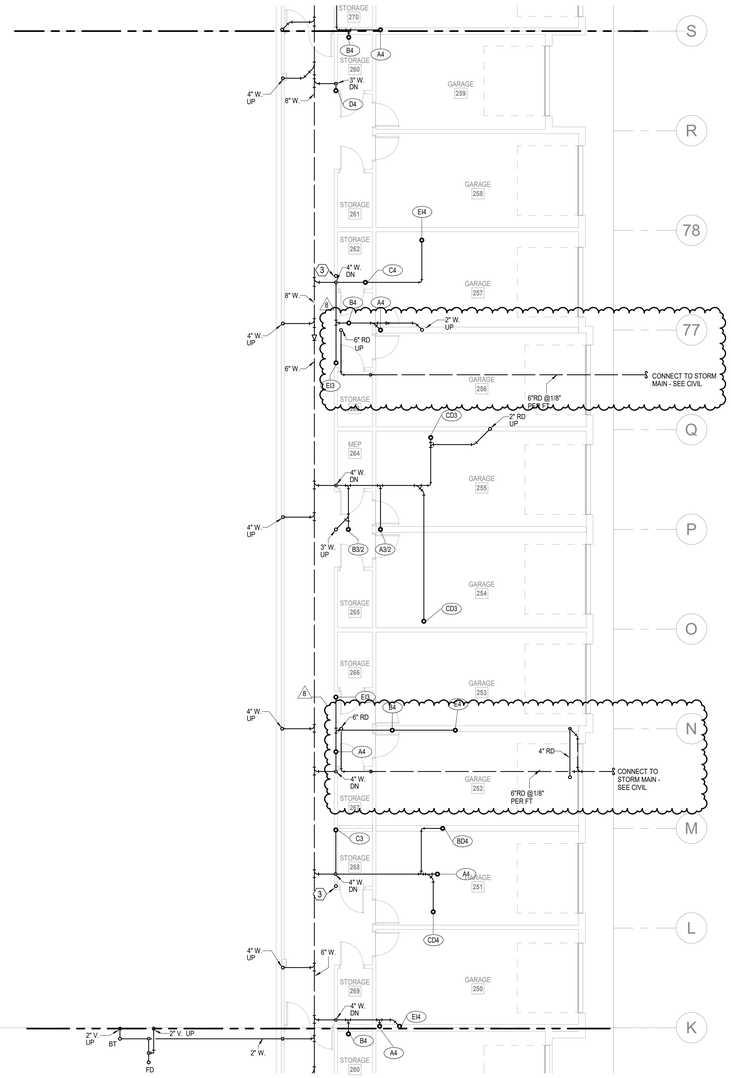
ARCH E1 30" x 42"



6

1 **1ST FLOOR - SEGMENT H**
PLUMBING
1/8" = 1'-0"

NORTH



2 **BASEMENT - SEGMENT H**
PLUMBING
1/8" = 1'-0"

NORTH

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS.
8. ALL FIXTURES SHALL HAVE EXPANSION COMPENSATOR OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
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LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 3" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES
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RICHARD R. BEARDMORE
NUMBER A-2007018
PROFESSIONAL ENGINEER
6/9/2023

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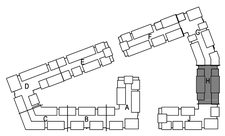
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

△ REVISIONS

2	23.04.26	A2D 1/CC 2	
7	23-07-13	ASI 3	
8	23-08-11	ASI 4	

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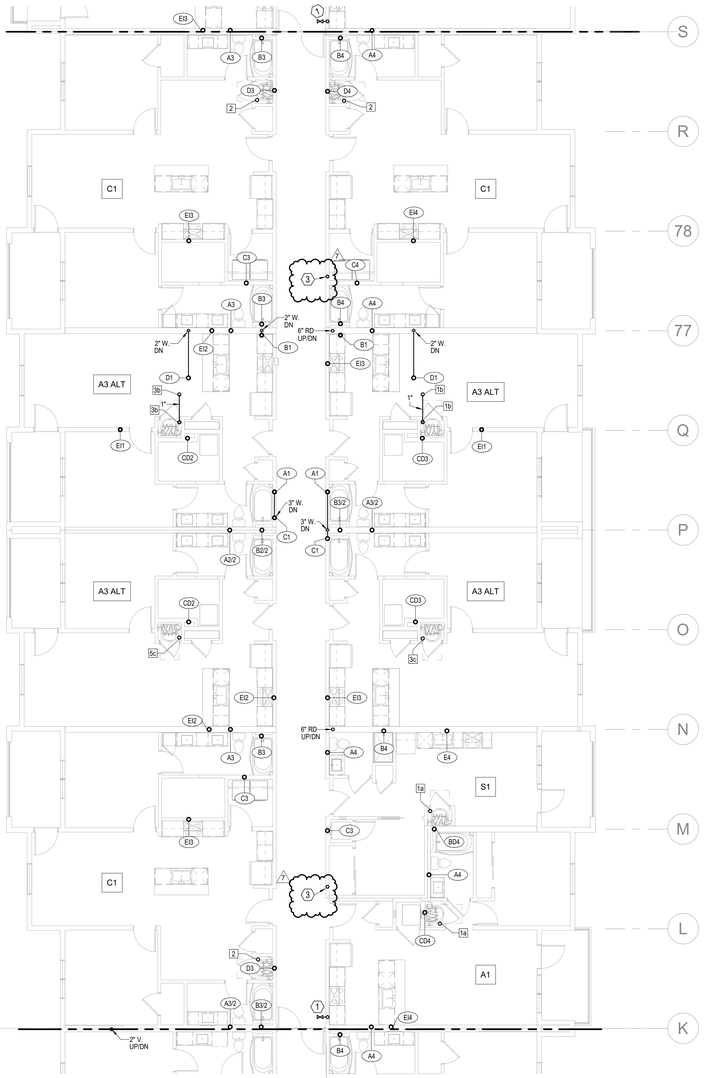
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT H - BASEMENT & 1ST FLOOR - PLUMBING
SHEET NO. P1.32

8/10/2023 2:21:00 PM

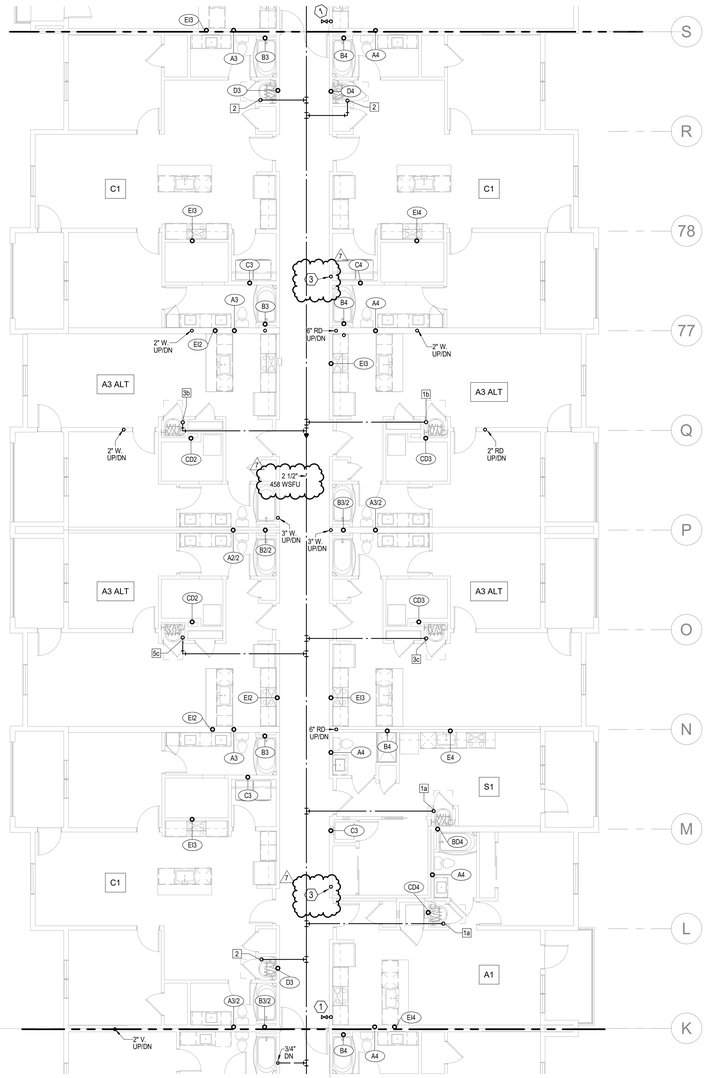
ARCH E1 30" x 42"



1 3RD FLOOR - SEGMENT H

PLUMBING
1/8"" = 1'-0"

NORTH



2 2ND FLOOR - SEGMENT H

PLUMBING
1/8"" = 1'-0"

NORTH

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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8. ALL FIXTURES SHALL HAVE EXPANSION COMPENSATOR OR BLADDER TYPE SHOCK SUPPRESSORS FOR EACH CHASE.
9. SEE THE ARCHITECTURAL DRAWINGS FOR ALL MOUNTING HEIGHTS.
10. REFER TO THE ARCHITECTURAL DRAWINGS FOR FLOOR DRAIN LOCATIONS AND FLOOR SLOPES IF PRESENT. ALL FLOOR DRAINS ARE 2" TYPE 1 UNLESS NOTED OTHERWISE.
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12. ROUTE NO PIPING OVER ELECTRICAL EQUIPMENT.
13. FIRE SPRINKLER SHALL BE PROVIDED FOR ALL AREAS OF THE BUILDING PER NFPA. THIS INCLUDES A PROTECTED OR DRY SYSTEM FOR ANY UNHEATED AREAS. NO PIPE SHALL BE EXPOSED TO FREEZING TEMPERATURES.

LEGEND:

1. CLASS 1MANUAL STANDPIPE WITH VALVE.
2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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RICHARD R. BEARDMORE
NUMBER 2010018744
PROFESSIONAL ENGINEER
6/9/2023

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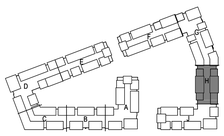
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN
NO SCALE

△ REVISIONS
2 23.0428 ADD 1:CC 2
7 23-07-13 ASI 3

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023
CITY COMMENTS #3
SHEET NAME
SEGMENT H - 2ND & 3RD FLOOR - PLUMBING
SHEET NO.
P1.33

7/13/2023 4:30:07 PM

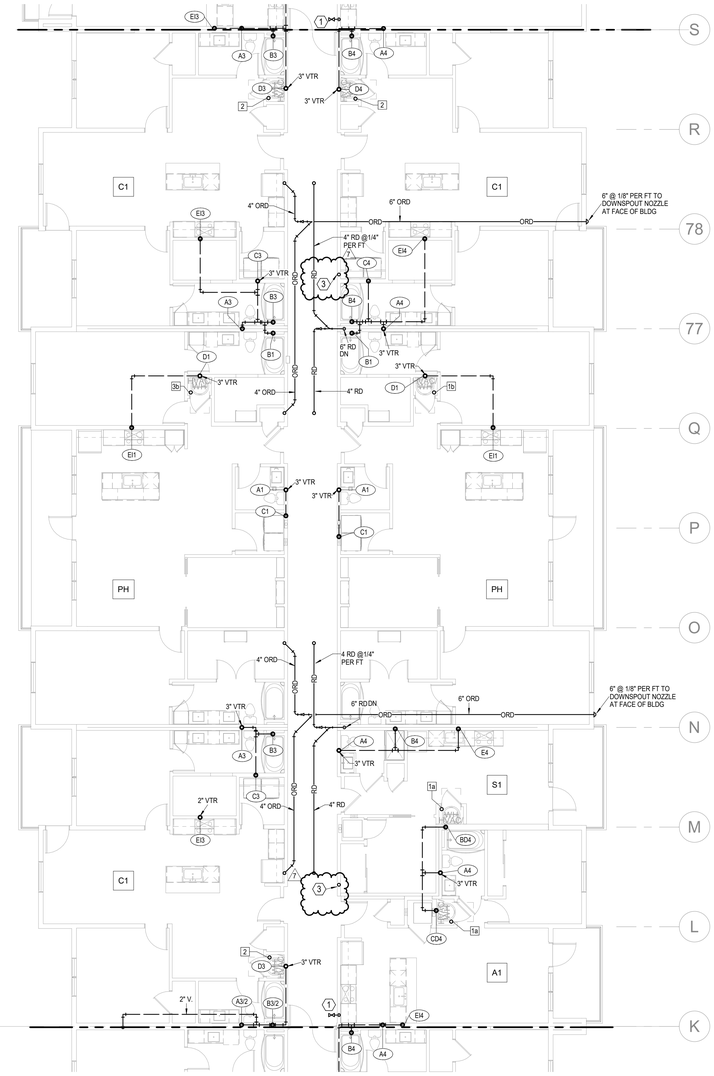
ARCH E1.30" x 42"

NORTH

1 ROOF PLAN - SEGMENT H

PLUMBING

1/8" = 1'-0"



NORTH

2 4TH FLOOR - SEGMENT H

PLUMBING

1/8" = 1'-0"

NOTES:

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3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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NUMBER
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6/9/2023

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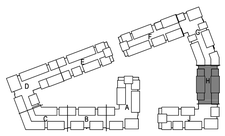

NORTH

KEY PLAN

NO SCALE

△REVISIONS

2	23.0428	ADD 1/CC 2
7	23-07-13	ASI 3

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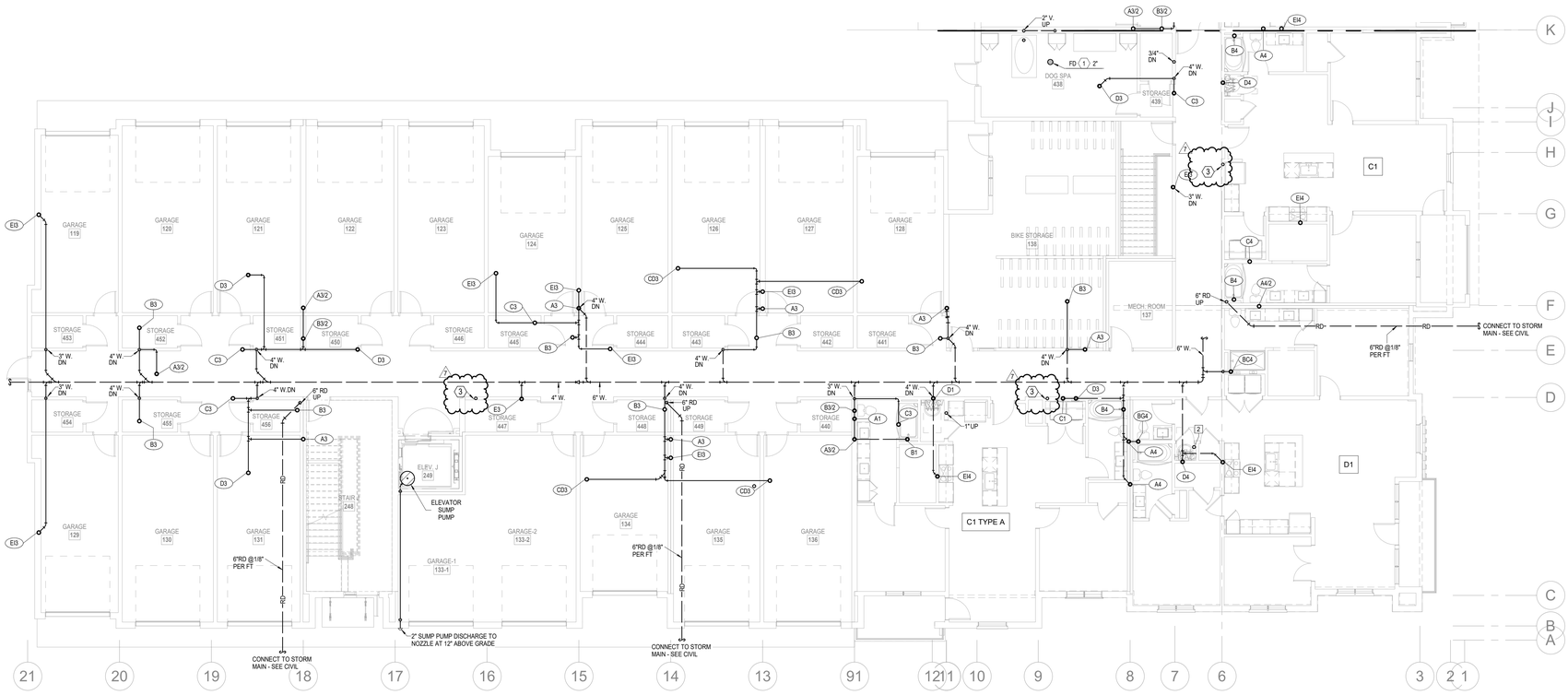
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3

SHEET NAME
SEGMENT H - 4TH FLOOR & ROOF PLAN - PLUMBING

SHEET NO.
P1.34

7/13/2023 4:30:09 PM

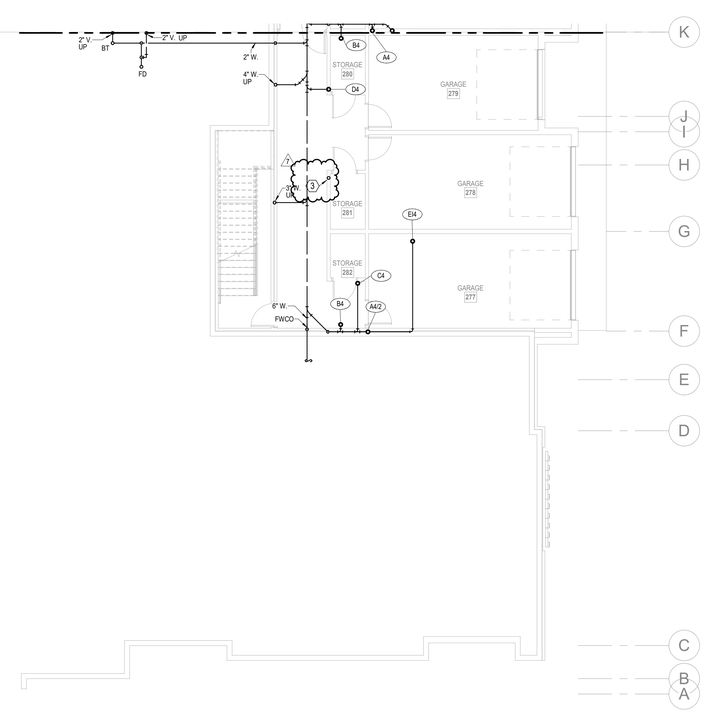


NORTH

1 1ST FLOOR - SEGMENT J

PLUMBING

1/8" = 1'-0"



NORTH

2 BASEMENT - SEGMENT J

PLUMBING

1/8" = 1'-0"

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3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

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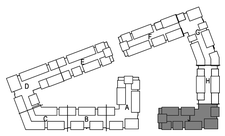
△ REVISIONS
1 23-07-13 ASI 3



NORTH

KEY PLAN

NO SCALE

LS&A
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8625 College Boulevard, Suite 102
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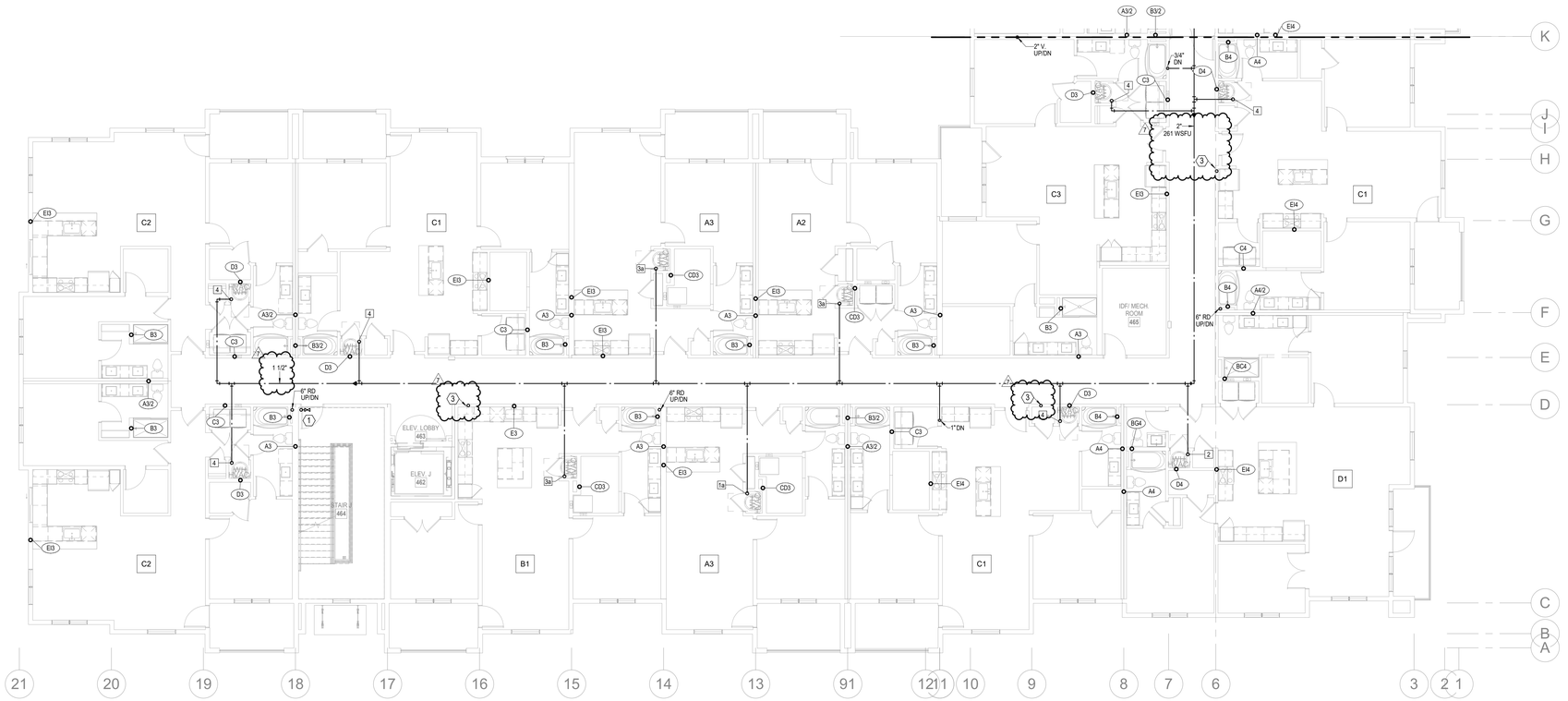
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT J - BASEMENT & 1ST FLOOR - PLUMBING
SHEET NO. P1.35

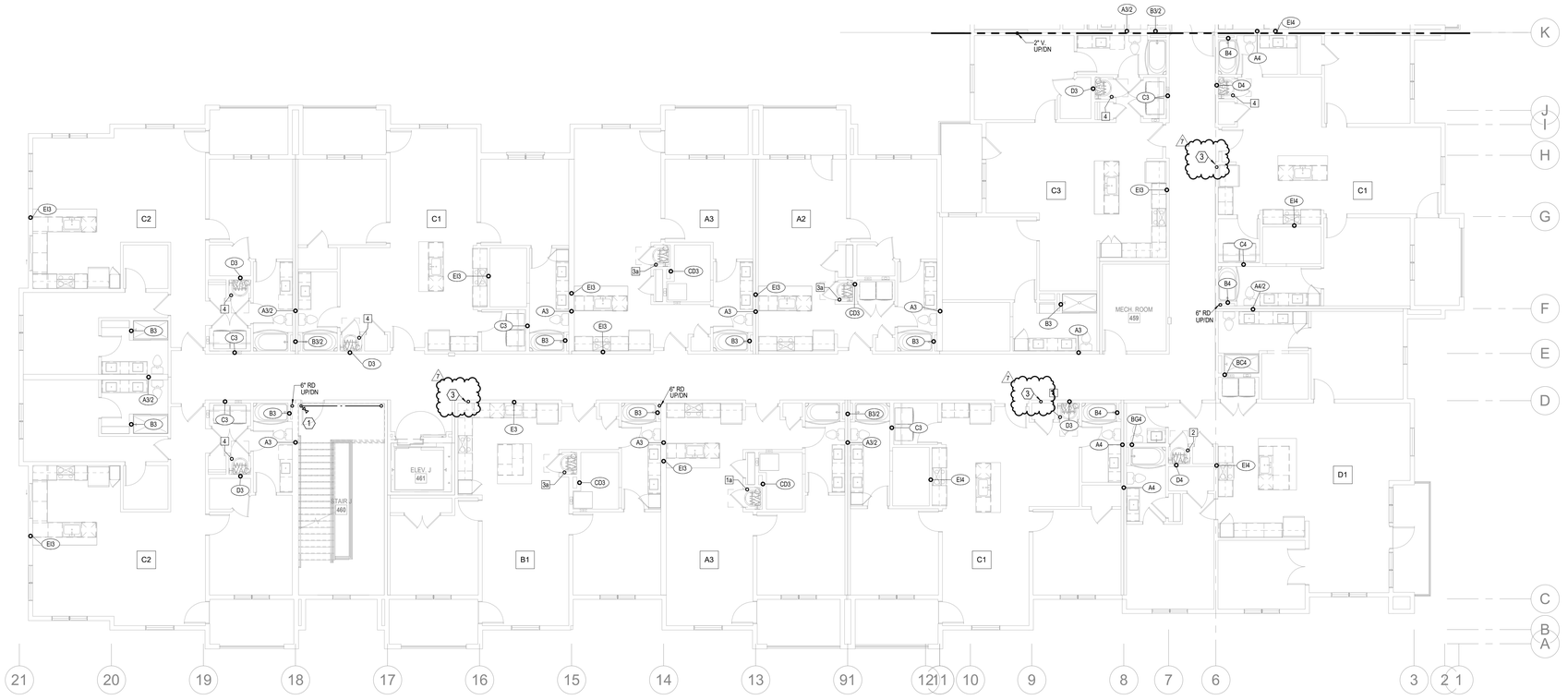
ARCH E1.30" x 42"
7/13/2023 4:30:11 PM

ARCH E1 30" x 42"



NORTH

1 2ND FLOOR - SEGMENT J
PLUMBING
1/8" = 1'-0"



NORTH

2 3RD FLOOR - SEGMENT J
PLUMBING
1/8" = 1'-0"

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LEGEND:

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2. 3/4" CW UP TO ROOF HYDRANT.
3. 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM.

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES
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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

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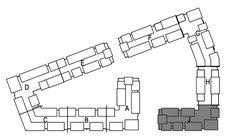

KEY PLAN
NO SCALE

NORTH

△ REVISIONS
2 23.04.05 ASI 1/CC 2
7 23-07-13 ASI 3

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8625 College Boulevard, Suite 103
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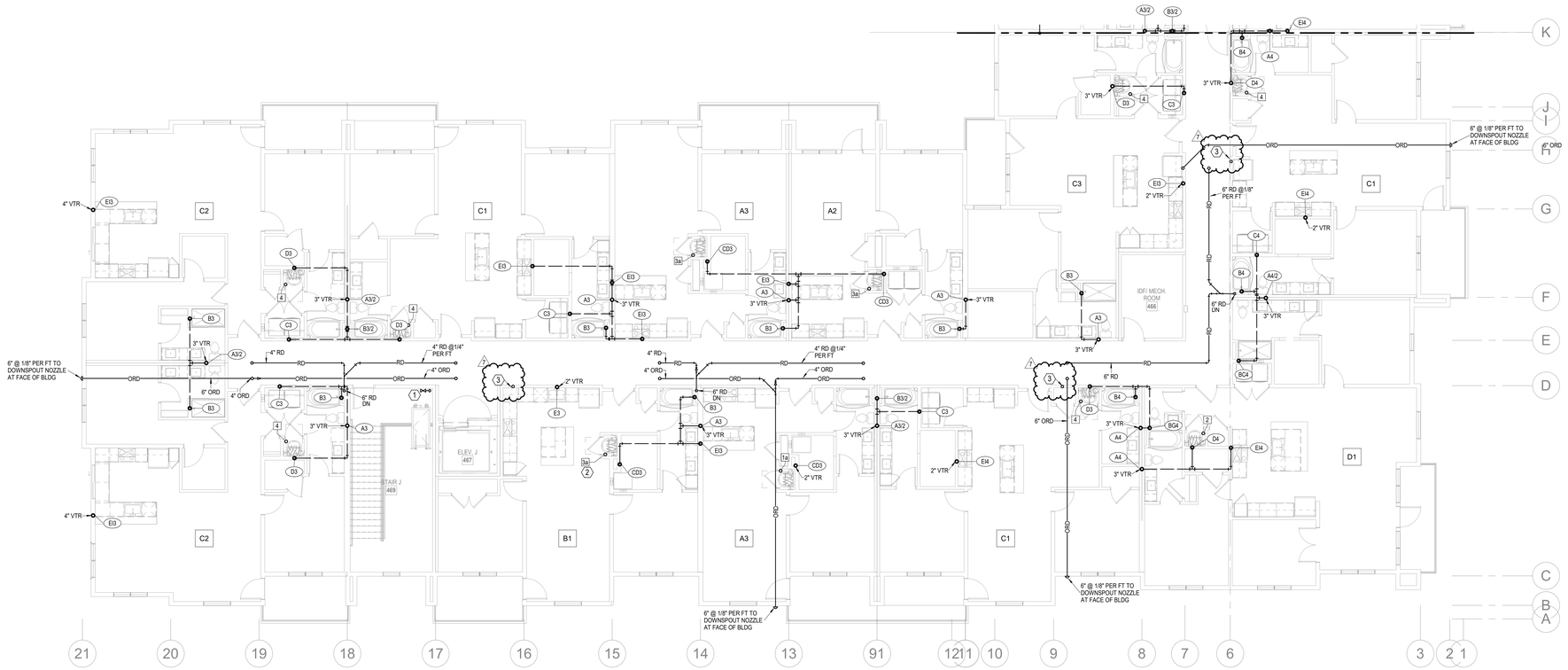
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT J - 2ND & 3RD FLOOR - PLUMBING
SHEET NO. P1.36

7/13/2023 4:30:14 PM

ARCH E1.30" x 42"

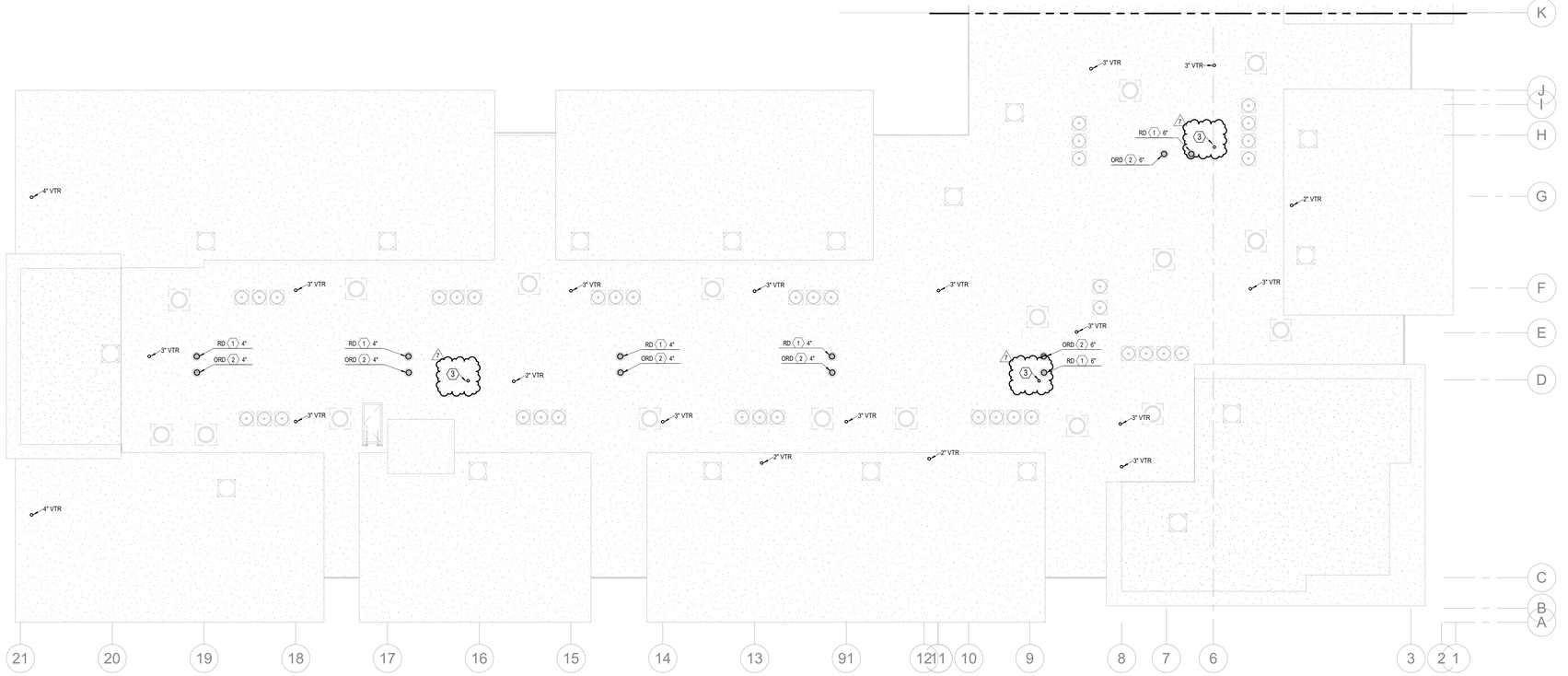


NORTH

1 4TH FLOOR - SEGMENT J

PLUMBING

1/8" = 1'-0"



NORTH

2 ROOF PLAN - SEGMENT J

PLUMBING

1/8" = 1'-0"

NOTES:

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6/9/2023

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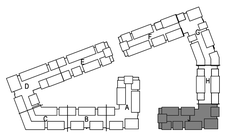

NORTH

KEY PLAN

NO SCALE

△ REVISIONS

2	23.0428	ASD 1/CC 2
7	23-07-13	ASI 3

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921 | DATE 03.15.2023

DRAWN BY LSA CAD

5/17/2023 CITY COMMENTS #3

SHEET NAME
SEGMENT J - 4TH FLOOR & ROOF PLAN - PLUMBING

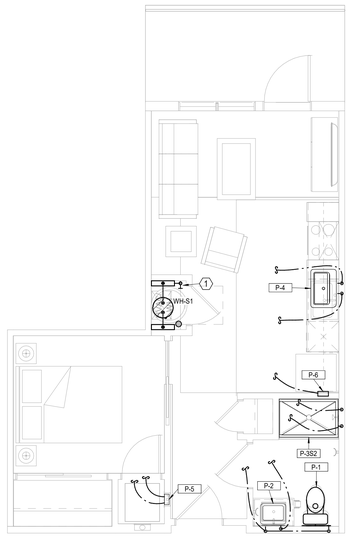
SHEET NO.
P1.37

7/13/2023 4:30:16 PM

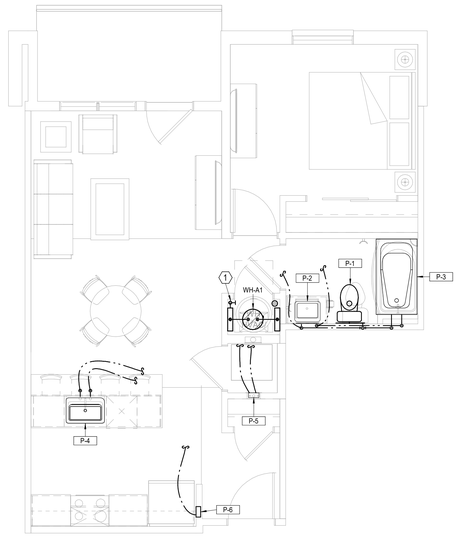
ARCH E1.30" x 42"

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

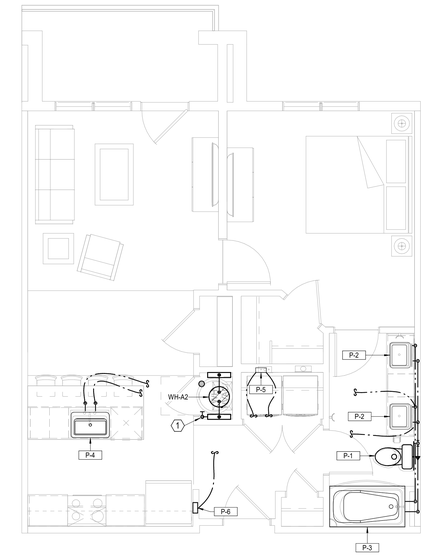
LEGEND:
(1) 3/4" WATER SERVICE/SHUT-OFF WITH 3/4" MANIFOLD.
(2) 1" WATER SERVICE/SHUT-OFF WITH MANIFOLD.



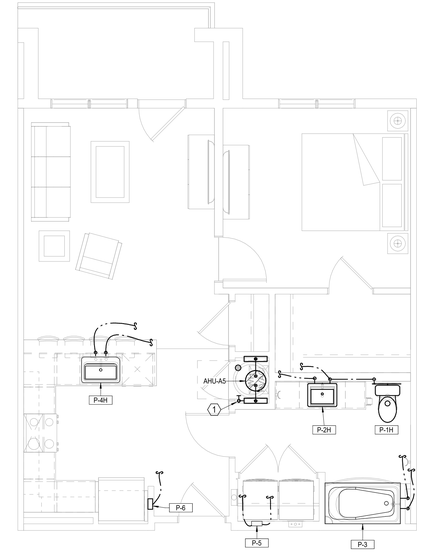
1 UNIT S1
PLUMBING
1/4" = 1'-0"



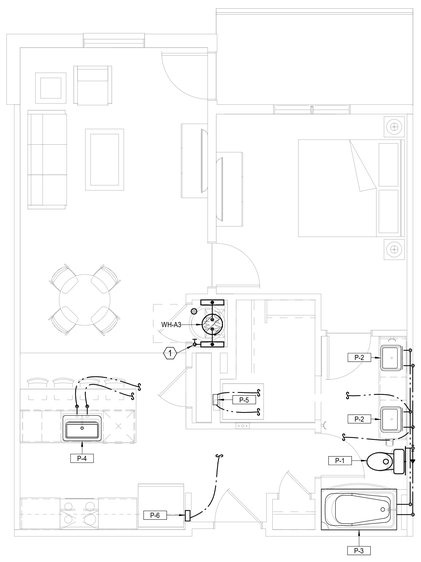
2 UNIT A1
PLUMBING
1/4" = 1'-0"



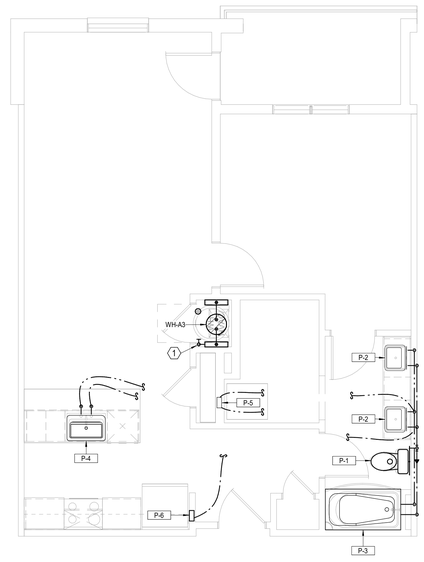
3 UNIT A2
PLUMBING
1/4" = 1'-0"



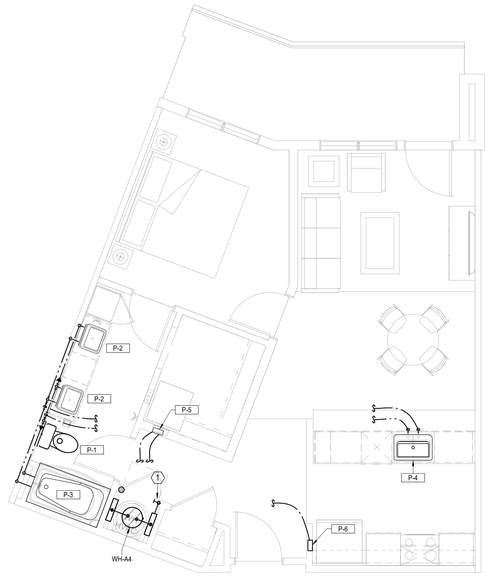
4 UNIT A2 TYPE A
PLUMBING
1/4" = 1'-0"



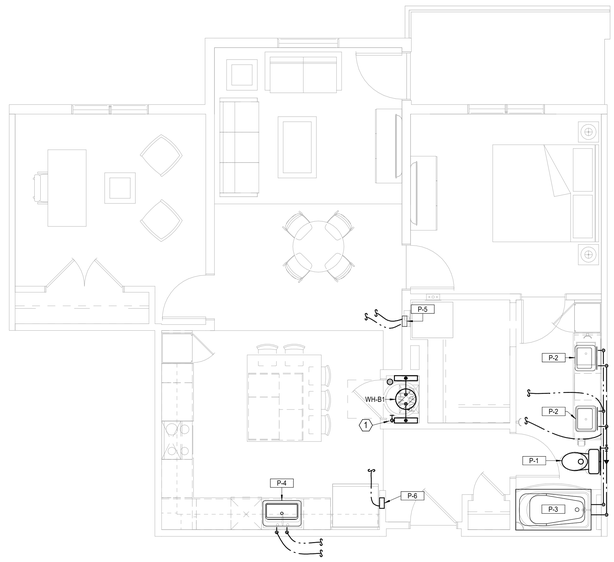
5 UNIT A3
PLUMBING
1/4" = 1'-0"



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



7 UNIT A4
PLUMBING
1/4" = 1'-0"



8 UNIT B1
PLUMBING
1/4" = 1'-0"

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NUMBER
PROFESSIONAL ENGINEER
03/15/2023

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DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

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8625 College Boulevard, Suite 102
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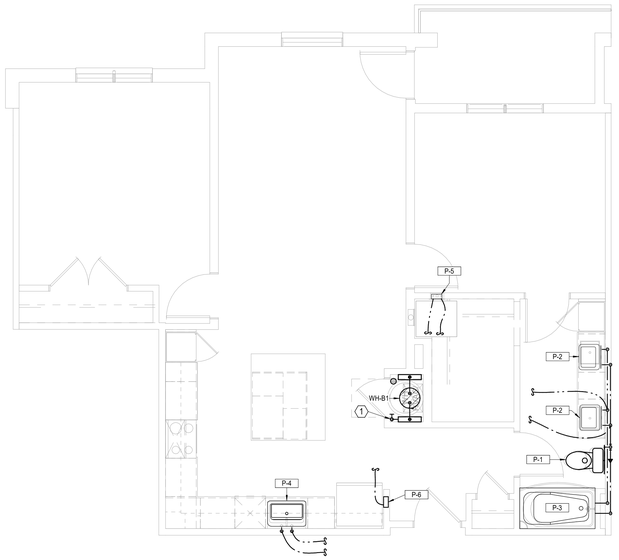
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

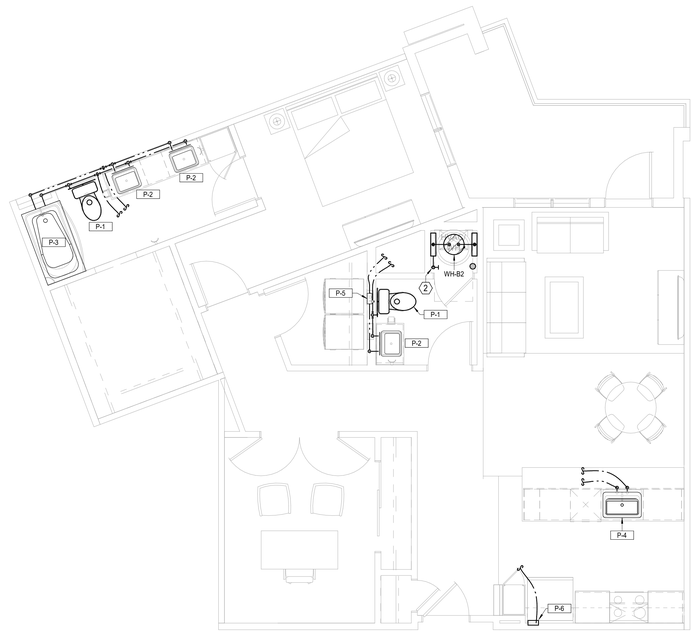
JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME UNIT PLANS - PLUMBING
SHEET NO. P2.01

4/13/2023 5:11:45 PM

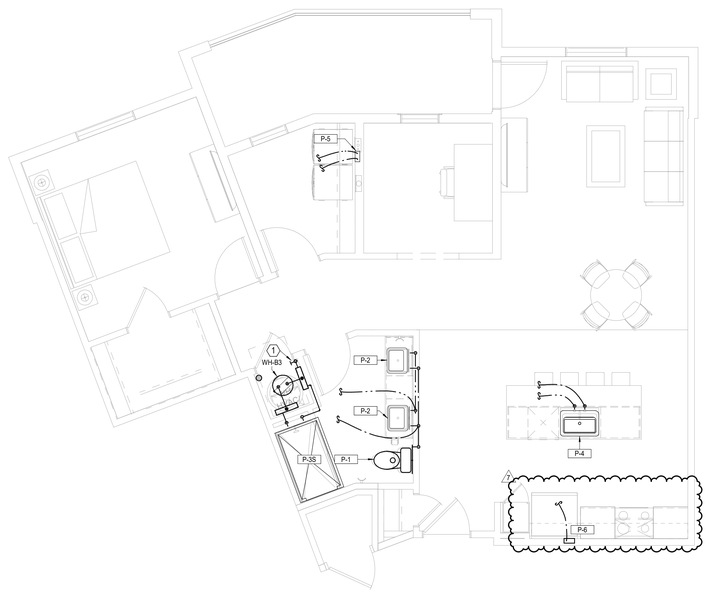
ARCH E1.30" x 42"



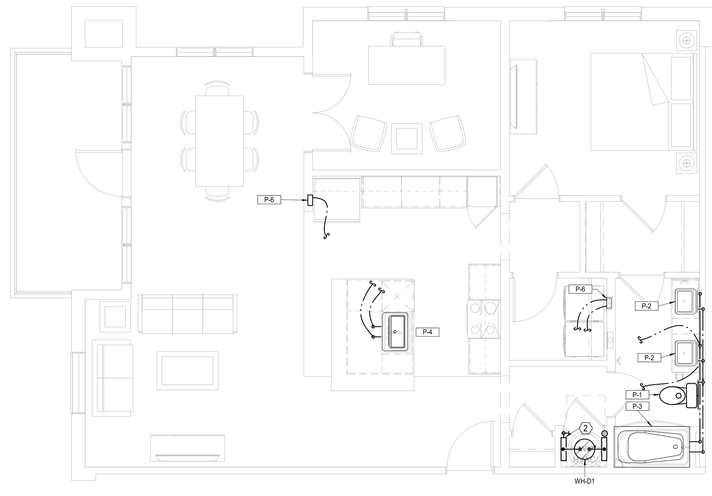
1 UNIT B1 ALT
PLUMBING
1/4" = 1'-0"



2 UNIT B2
PLUMBING
1/4" = 1'-0"



3 UNIT B3
PLUMBING
1/4" = 1'-0"



4 UNIT B4
PLUMBING
1/4" = 1'-0"

UNIT PLUMBING NOTES:

1. ROUTE TOP FLOOR SUPPLY PLUMBING IN CEILING BELOW. NO SUPPLY IN ATTIC.
2. PROVIDE EXPANSION COMPENSATOR ON P-4, P-5, & P-6.
3. CONNECT DISHWASHERS, DISPOSERS, ICE MAKERS, WASHERS.
4. PROVIDE 2" HUB DRAIN AT EACH AHU/WH LOCATION.
5. ROUTE 1/2" PEX TO EACH FIXTURE FROM MANIFOLD OR COMBINE FIXTURES WITH 3/4" TO TWO FIXTURES OR MORE.
6. P-5, P-6 ON CORRIDOR WALLS SHALL HAVE FIRE PUTTY PADS OR EQUIVALENT FIRE PROTECTION.

LEGEND:

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

(2) 1" WATER SERVICE/SHUT-OFF WITH MANIFOLD.

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6/9/2023

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1 23-07-13 ASI 3

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LSA PROJECT NO. 2204061

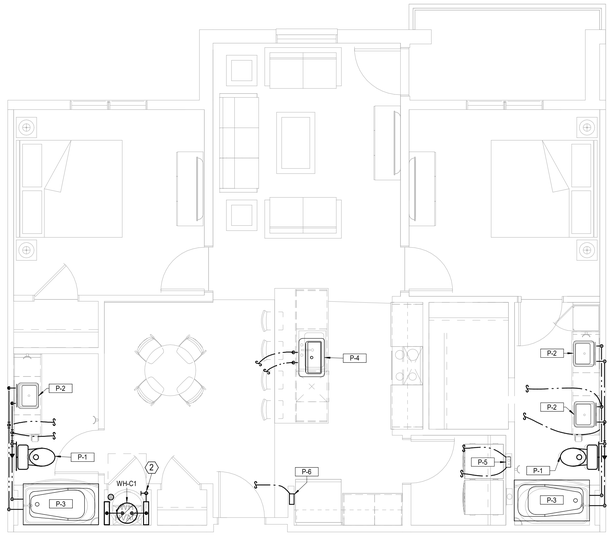
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - PLUMBING
SHEET NO. P2.02

7/13/2023 4:30:19 PM

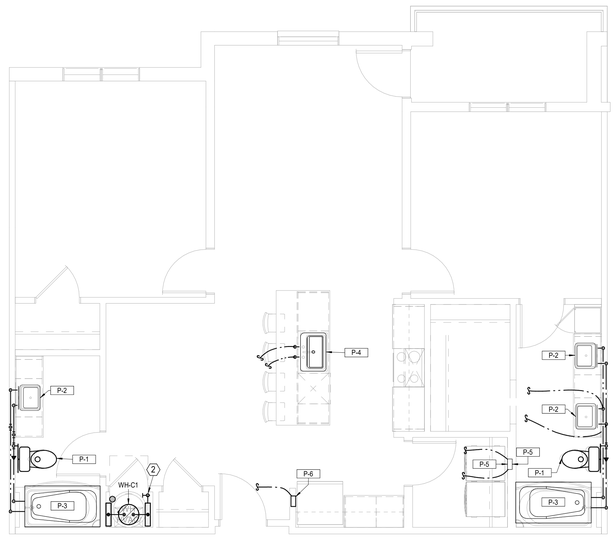
ARCH E1.30" x 42"

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

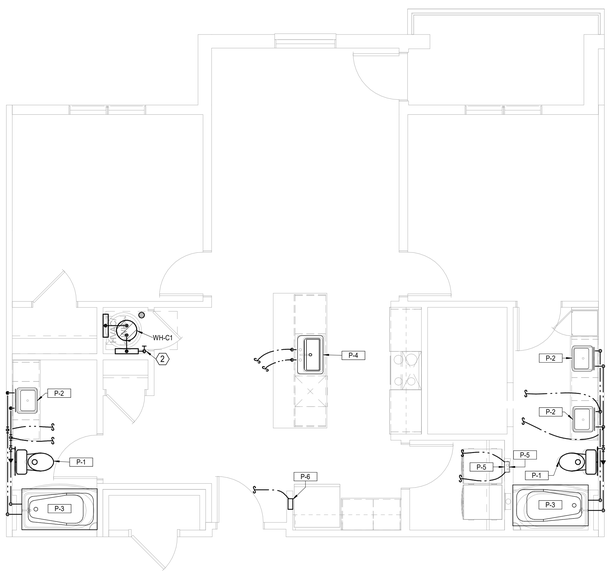
LEGEND:
(1) 3/4" WATER SERVICE/SHUT-OFF WITH 3/4" MANIFOLD.
(2) 1" WATER SERVICE/SHUT-OFF WITH MANIFOLD.



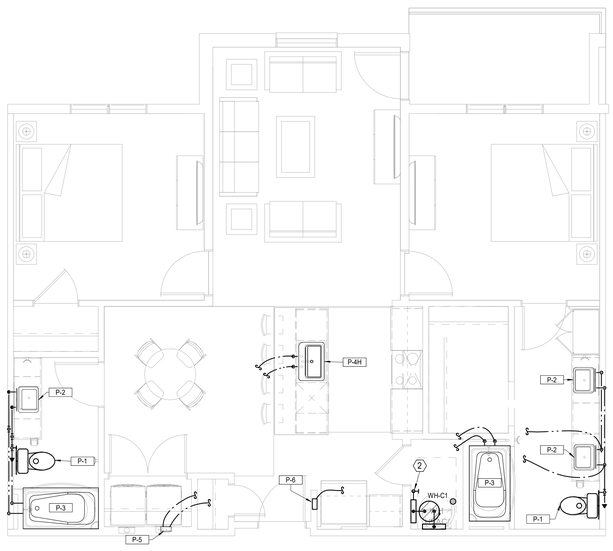
1 UNIT C1
PLUMBING
1/4" = 1'-0"



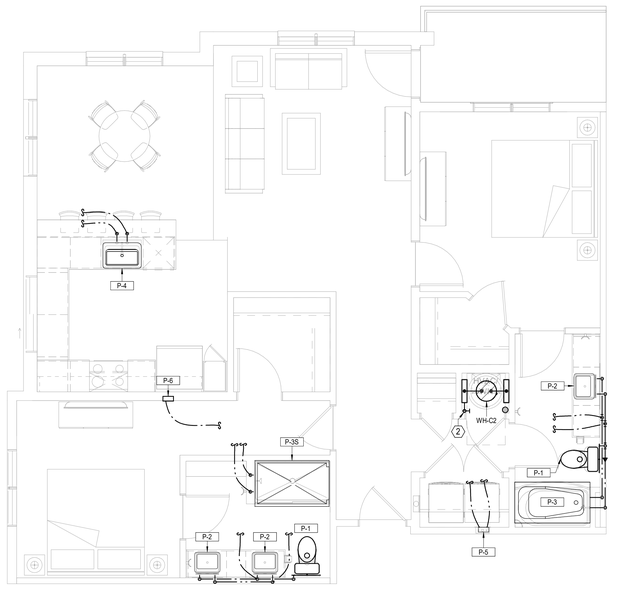
2 UNIT C1 ALT
PLUMBING
1/4" = 1'-0"



3 UNIT C1 ALT 2
PLUMBING
1/4" = 1'-0"



4 UNIT C1 TYPE A
PLUMBING
1/4" = 1'-0"



5 UNIT C2
PLUMBING
1/4" = 1'-0"

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NUMBER
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03/15/2023

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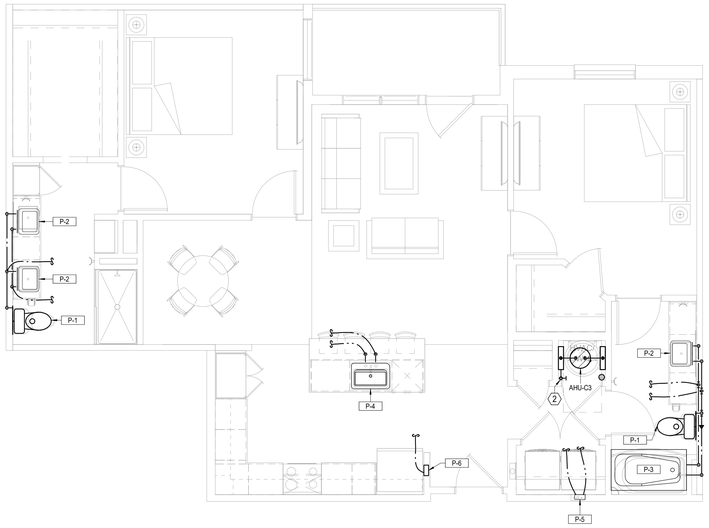
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

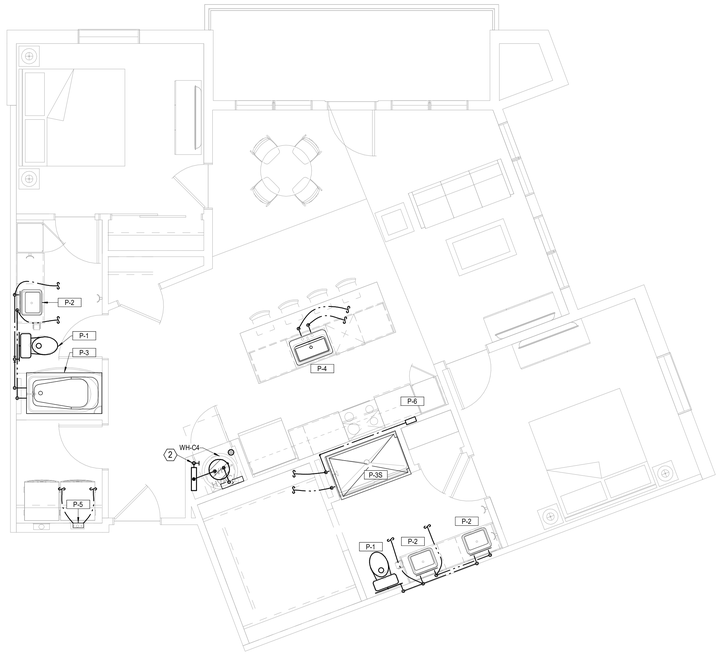
JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023
CITY COMMENTS
SHEET NAME
UNIT PLANS - PLUMBING
SHEET NO.
P2.03

4/13/2023 9:11:53 PM

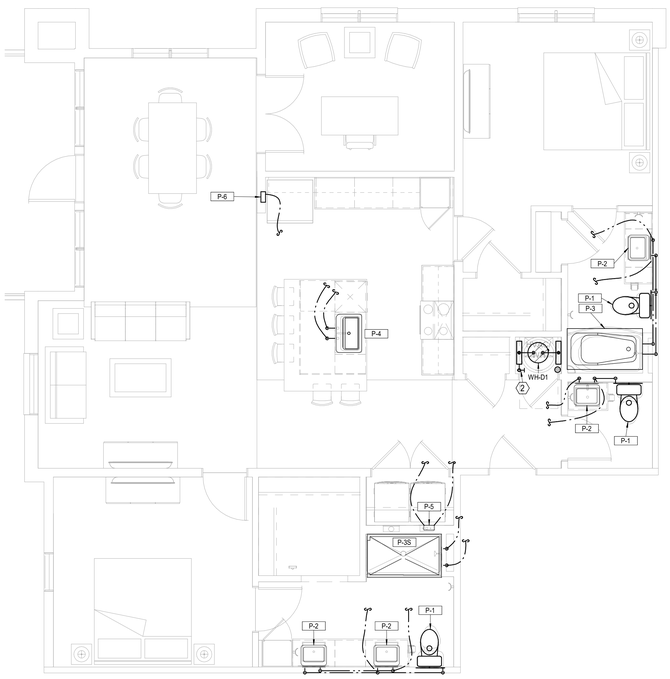
ARCH E1.30" x 42"



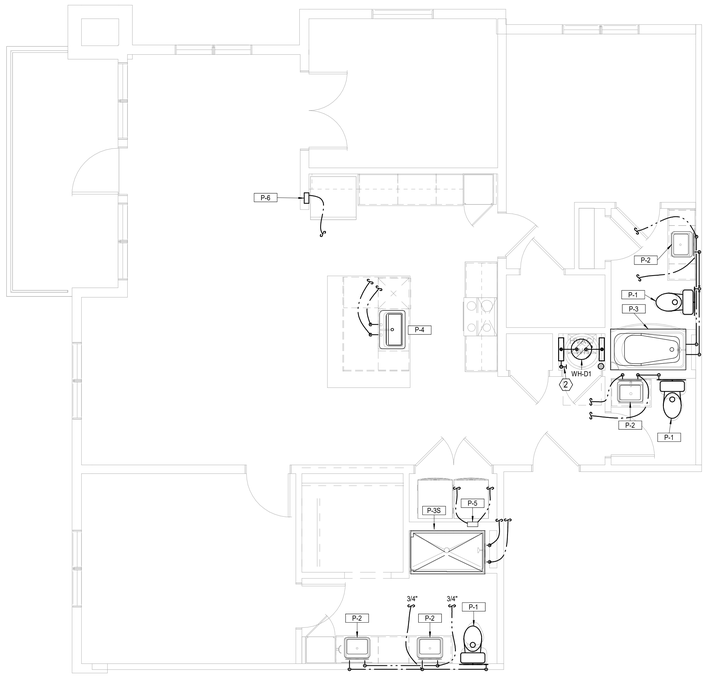
1 UNIT C3
PLUMBING
1/4" = 1'-0"



2 UNIT C4
PLUMBING
1/4" = 1'-0"



3 UNIT D1
PLUMBING
1/4" = 1'-0"



4 UNIT D1 ALT 2
PLUMBING
1/4" = 1'-0"

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

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

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
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4/11/2023 CITY COMMENTS
SHEET NAME UNIT PLANS - PLUMBING
SHEET NO. P2.04

4/13/2023 5:11:56 PM

ARCH E1.30" x 42"

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

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

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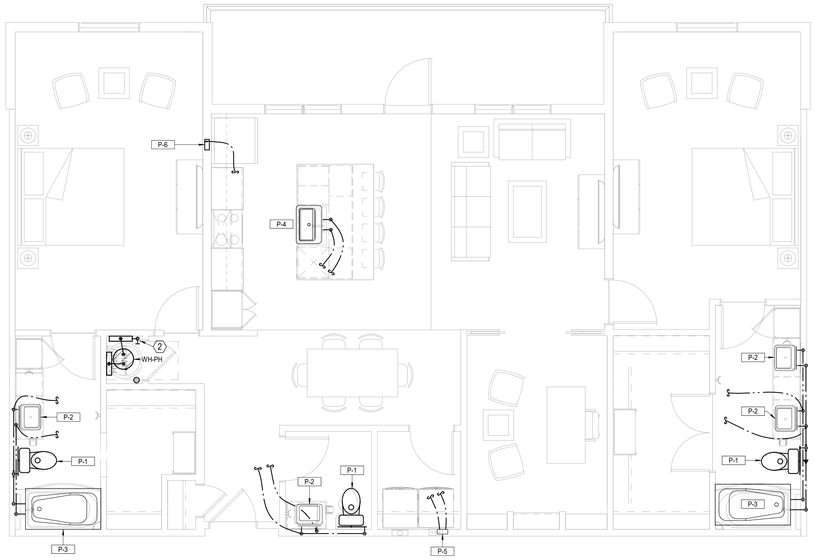
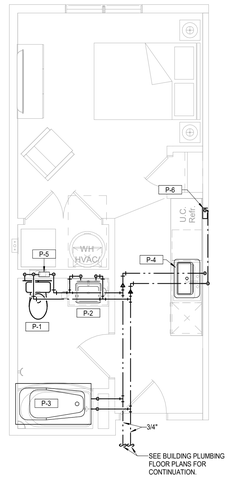


1 PENTHOUSE
PLUMBING
1/4" = 1'-0"



2 UNIT - GUEST SUITE
PLUMBING
1/4" = 1'-0"

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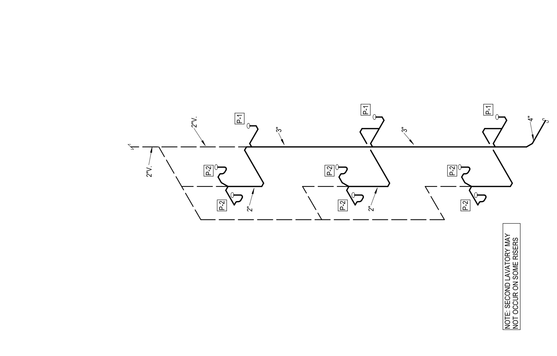
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME UNIT PLANS - PLUMBING
SHEET NO. P2.05

4/13/2023 9:11:59 PM



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Phone: 785.272.2252 Fax: 785.272.2253
Email: lsa@lsapa.com
LSA PROJECT NO. 2345681

JOB NO. 705921
DRAWN BY LSA/JD
DATE 03.15.2023
4/17/2023 CITY COMMENTS
SHEET NAME PLUMBING RISERS
SHEET NO. P3.01

ARCH E1 30" x 42"

4/13/2023 9:12:00 PM

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NUMBER
PE-2010020766
REGISTERED PROFESSIONAL ENGINEER
03/15/2023

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• 03.15.2023 - PERMIT SUBMITTAL

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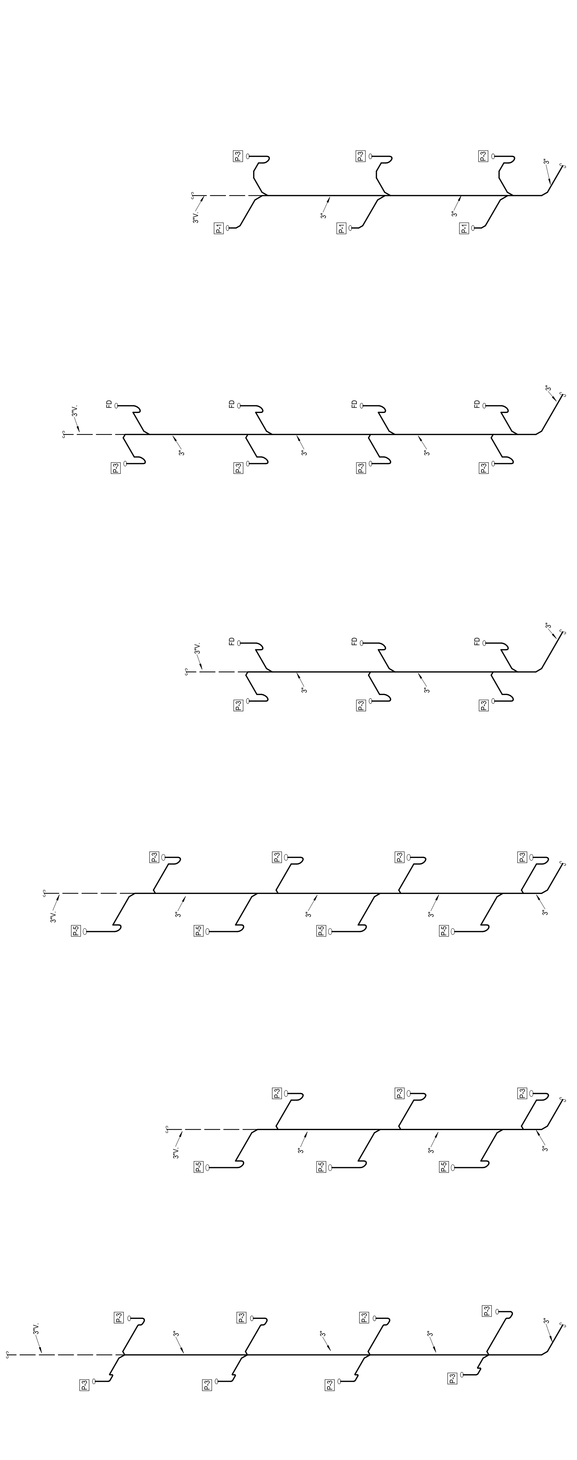
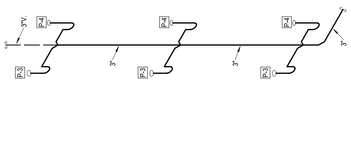
Email: lsa@lathropsa.com
LSA PROJECT NO. 2345681

JOB NO. 705921
DRAWN BY LSA / MD
DATE 03.15.2023
4/17/2023 COMMENTS
SHEET NAME PLUMBING RISERS
SHEET NO. P3.02

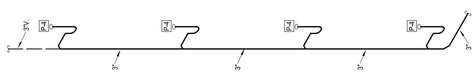


EI2 Plumbing Riser
NOT TO SCALE

EI1 Plumbing Riser
NOT TO SCALE



EG3 Plumbing Riser
NOT TO SCALE



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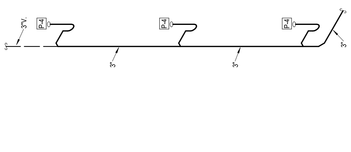
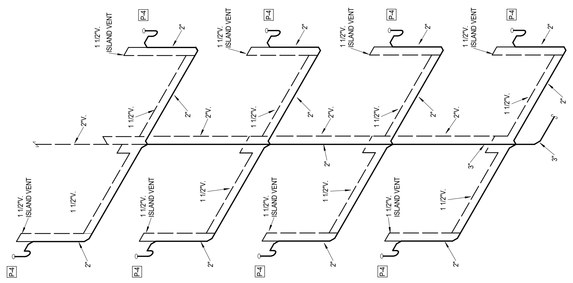
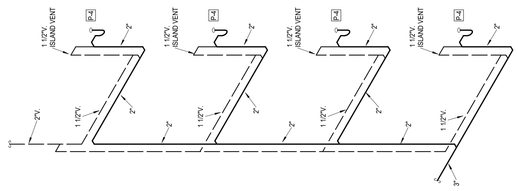
NOT TO SCALE



E3 Plumbing Riser
NOT TO SCALE



EI4/2 Plumbing Riser
NOT TO SCALE



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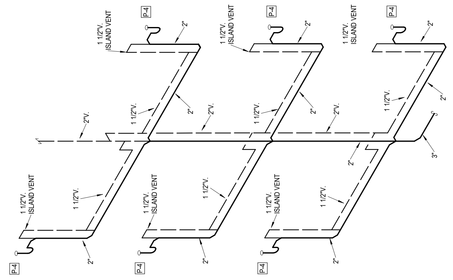
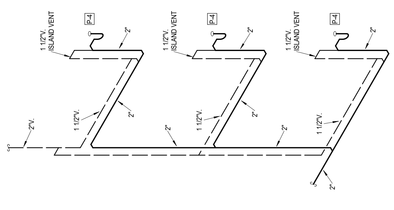
NOT TO SCALE



EI3/2 Plumbing Riser
NOT TO SCALE



EI3 Plumbing Riser
NOT TO SCALE

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STATE OF MISSOURI
REGISTERED
BRANDON
BEARDMORE
ENGINEER
PERSONAL

03/15/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS

LS&A
Lathrop Sommers & Associates, P.A.
CONSULTING ENGINEERS
3839 SW Summerfield Drive, Suite A
Topeka, Kansas 66610
8826 College Boulevard, Suite 102
Overland Park, Kansas 66210
Phone: (785) 233-2227
Email: lsa@lathsom.com
LSA PROJECT NO. 2345691

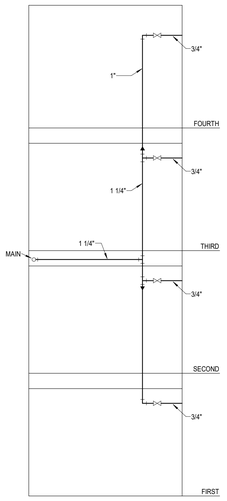
JOB NO. **705921**
DRAWN BY **LSA/AD**
DATE **03.15.2023**

4/17/2023 COMMENTS

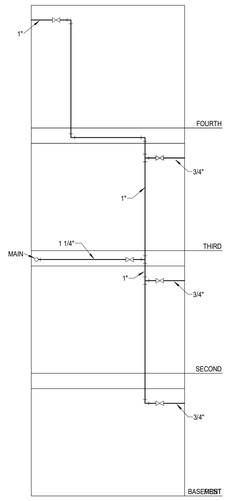
SHEET NAME
PLUMBING RISERS

SHEET NO.
P3.03

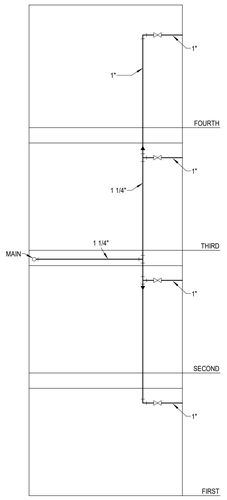
ARCH E1 30" x 42"



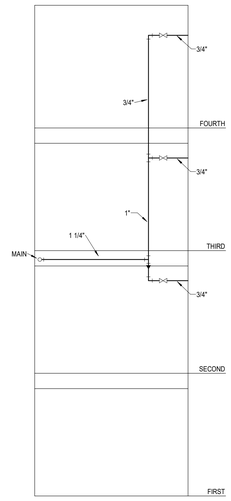
1a Plumbing Riser
NOT TO SCALE
1 BATH



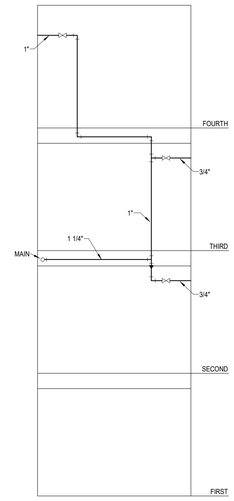
1b Plumbing Riser
NOT TO SCALE
1 BATH + PENTHOUSE



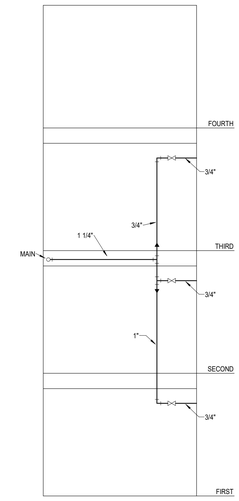
2 Plumbing Riser
NOT TO SCALE
2 BATH



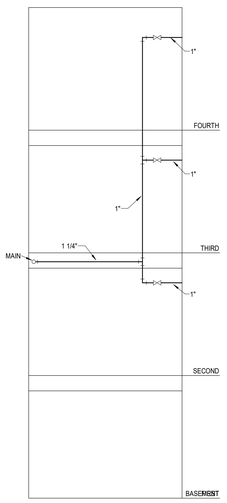
3a Plumbing Riser
NOT TO SCALE
1 BATH



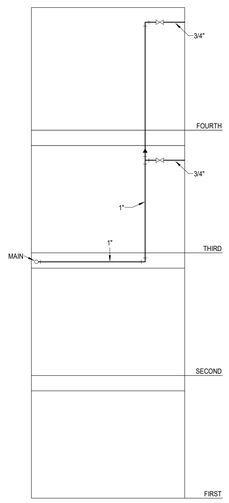
3b Plumbing Riser
NOT TO SCALE
1 BATH + PENTHOUSE



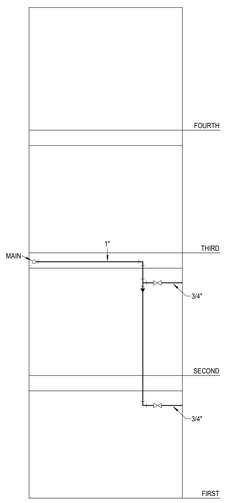
3c Plumbing Riser
NOT TO SCALE
1 BATH



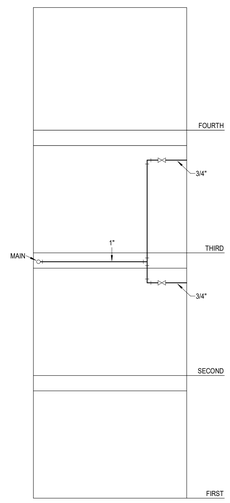
4 Plumbing Riser
NOT TO SCALE
2 BATH



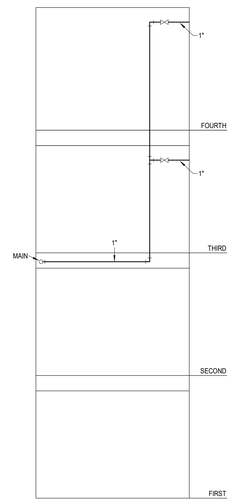
5a Plumbing Riser
NOT TO SCALE
1 BATH



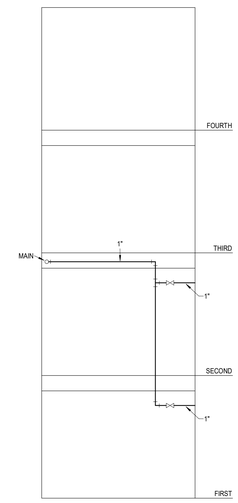
5b Plumbing Riser
NOT TO SCALE
1 BATH



5c Plumbing Riser
NOT TO SCALE
1 BATH



6a Plumbing Riser
NOT TO SCALE
2 AND PENTHOUSE



6b Plumbing Riser
NOT TO SCALE
2 BATH

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES
NSPJ ARCHITECTS, Inc.
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
03/15/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

LS&A
Lattimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
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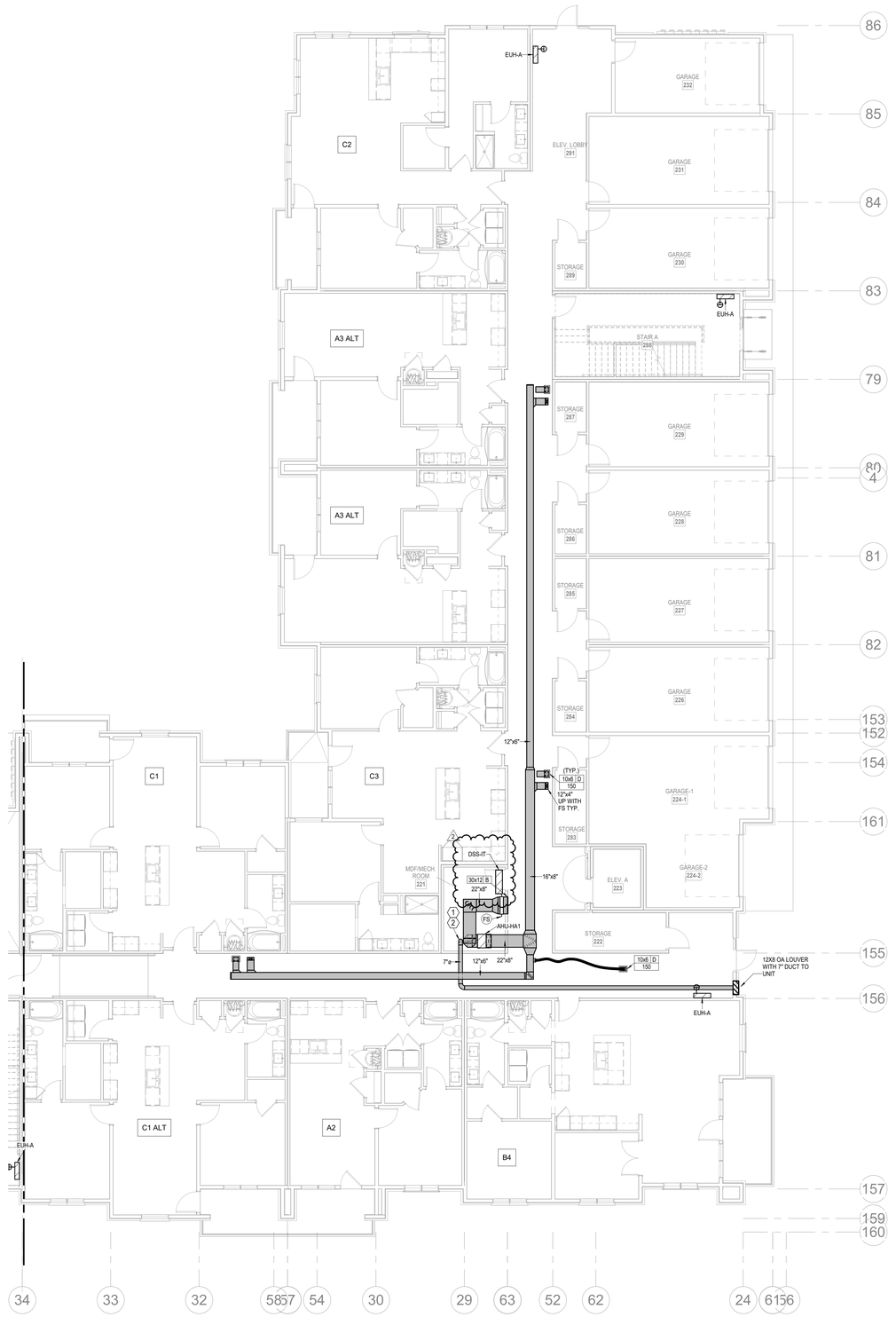
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME PLUMBING RISERS
SHEET NO. P3.04

4/13/2023 5:12:02 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.



NORTH

1 1ST FLOOR - SEGMENT A

HVAC

1/8" = 1'-0"

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES

NSPJ ARCHITECTS

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04/28/2023

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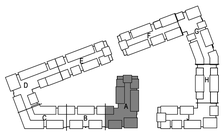
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN

NO SCALE

NORTH

REVISIONS
2 23.0428 ADD 1/CC 2

LS&A
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

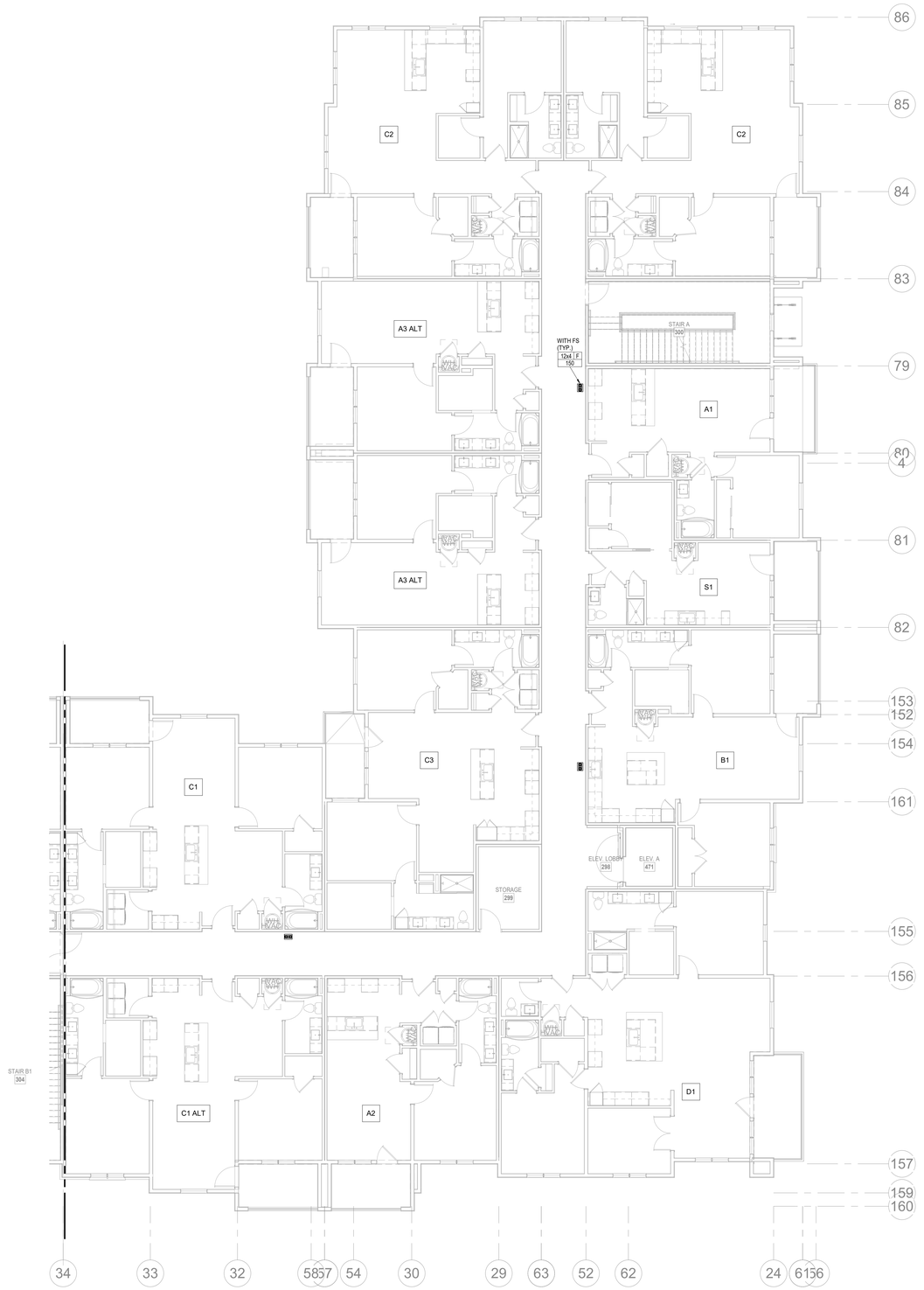
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT A - 1ST FLOOR - HVAC
SHEET NO. M1.01

5/1/2023 3:50:23 PM

ARCH E1.30" x 42"

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.



1 **2ND FLOOR - SEGMENT A**
HVAC
1/8" = 1'-0"
NORTH

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES
NSPJ ARCHITECTS
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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
03/15/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

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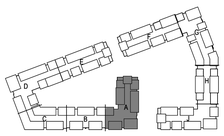

KEY PLAN
NORTH

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Lattimer Sommers & Associates P.A.
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Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT A - 2ND FLOOR - HVAC
SHEET NO. M1.02

4/3/2023 9:08:28 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
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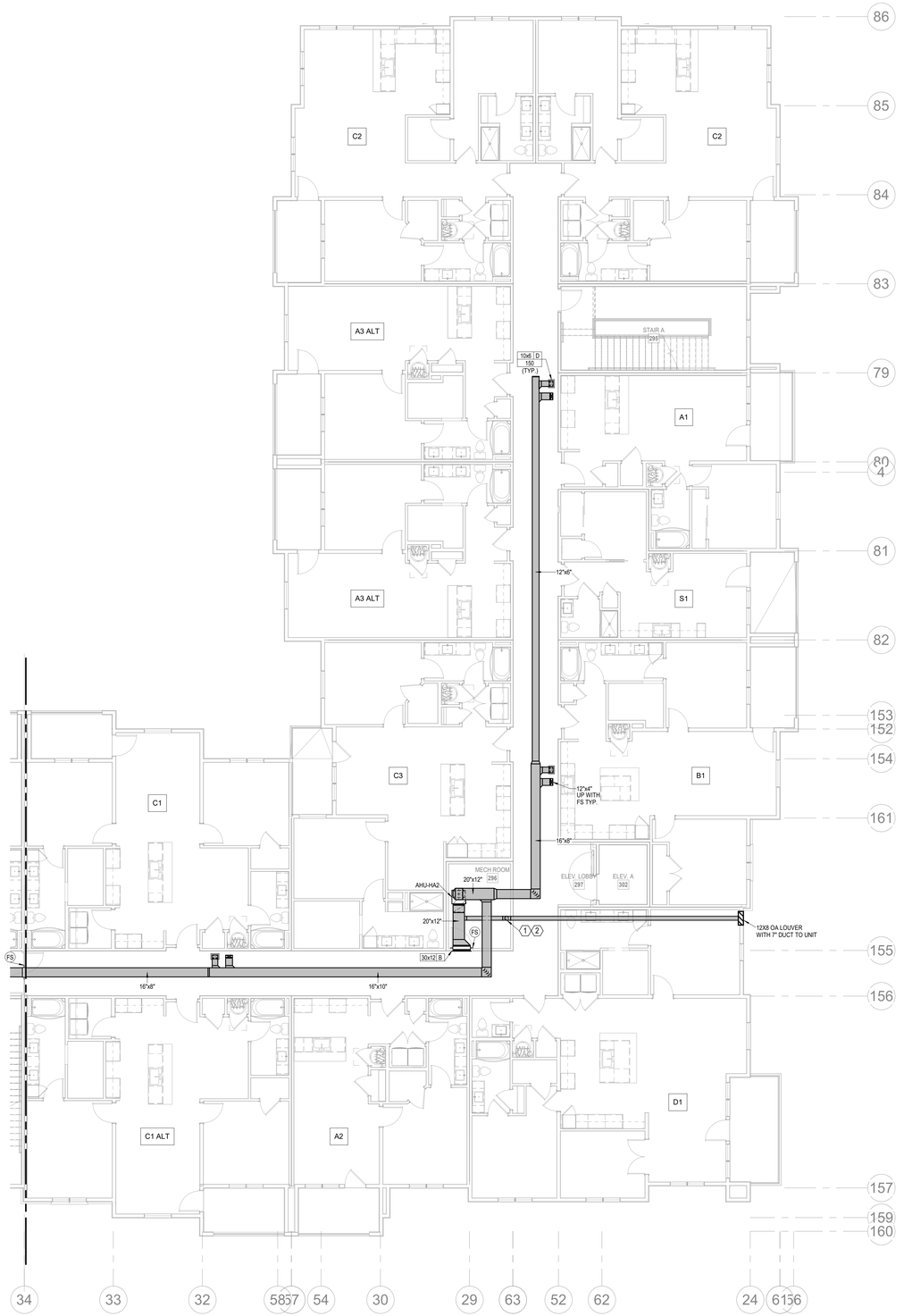

NORTH

1 3RD FLOOR - SEGMENT A

HVAC

1/8" = 1'-0"

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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

03/15/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS

KEY PLAN

NORTH

LS&A
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8826 College Boulevard, Suite 102
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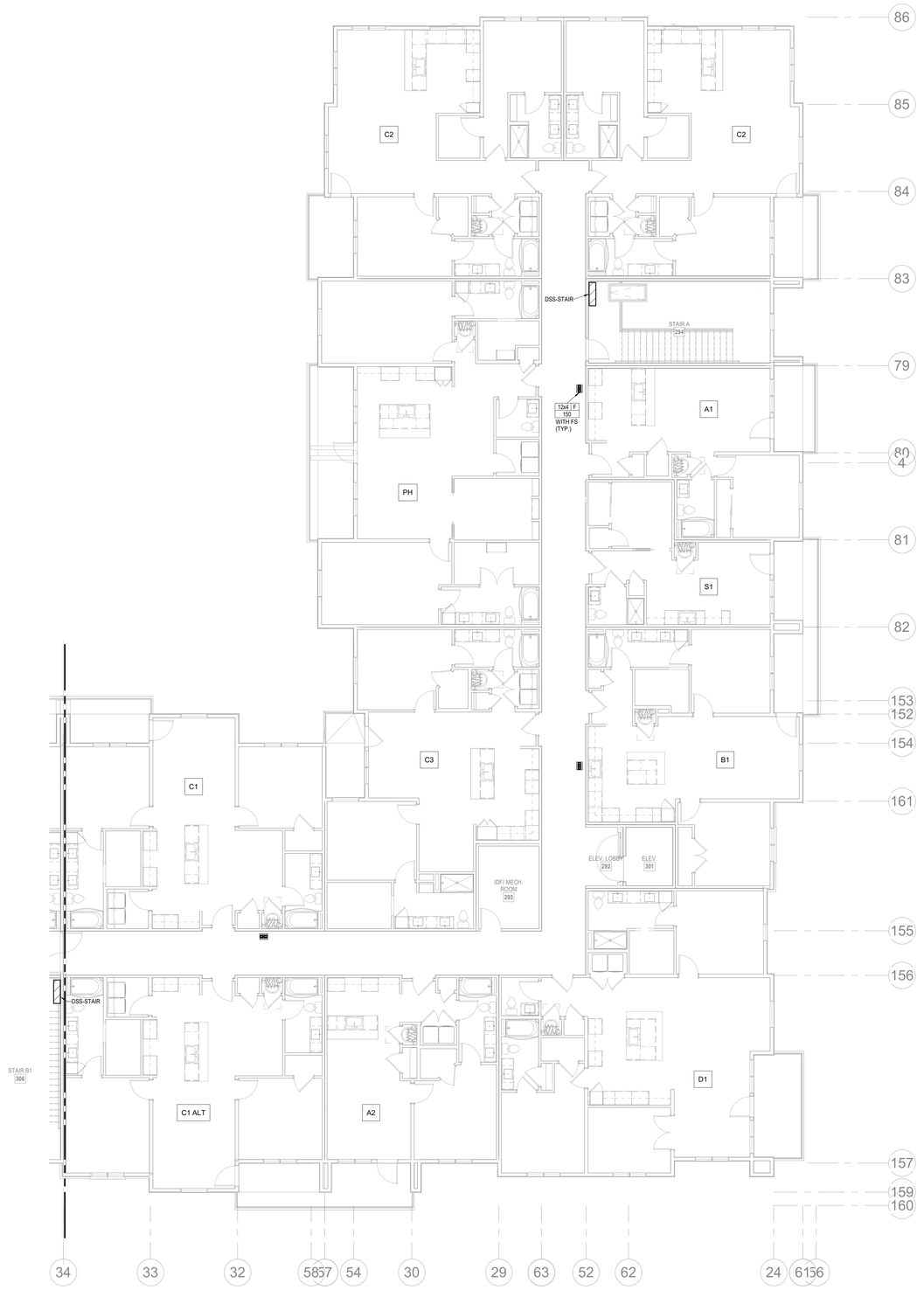
Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT A - 3RD FLOOR - HVAC
SHEET NO. M1.03

4/13/2023 9:08:30 PM

ARCH E1 30" x 42"



NORTH

1 4TH FLOOR - SEGMENT A

HVAC

1/8" = 1'-0"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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03/15/2023

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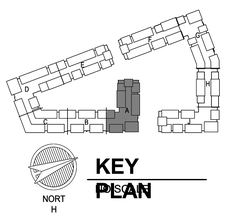
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



KEY PLAN

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT A - 4TH FLOOR - HVAC
SHEET NO. M1.04

4/13/2023 9:08:32 PM

ARCH E1.30" x 42"

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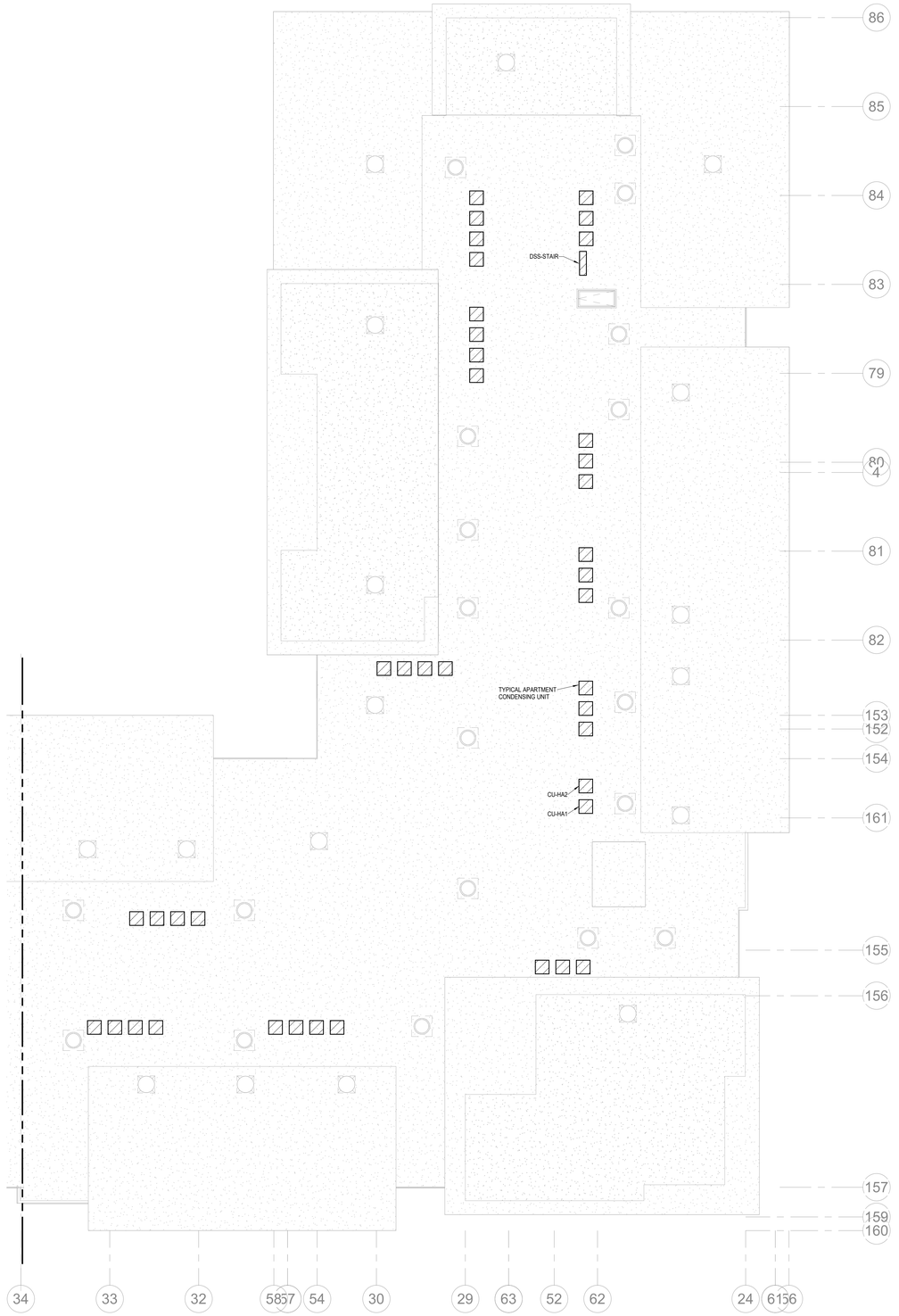

NORTH

1 ROOF PLAN - SEGMENT A

HVAC

1/8" = 1'-0"

NSPJ ARCHITECTS
ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES
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NUMBER
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03/15/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

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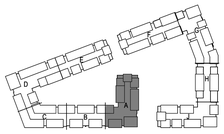
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



NORTH

KEY PLAN

DISCIPLINE

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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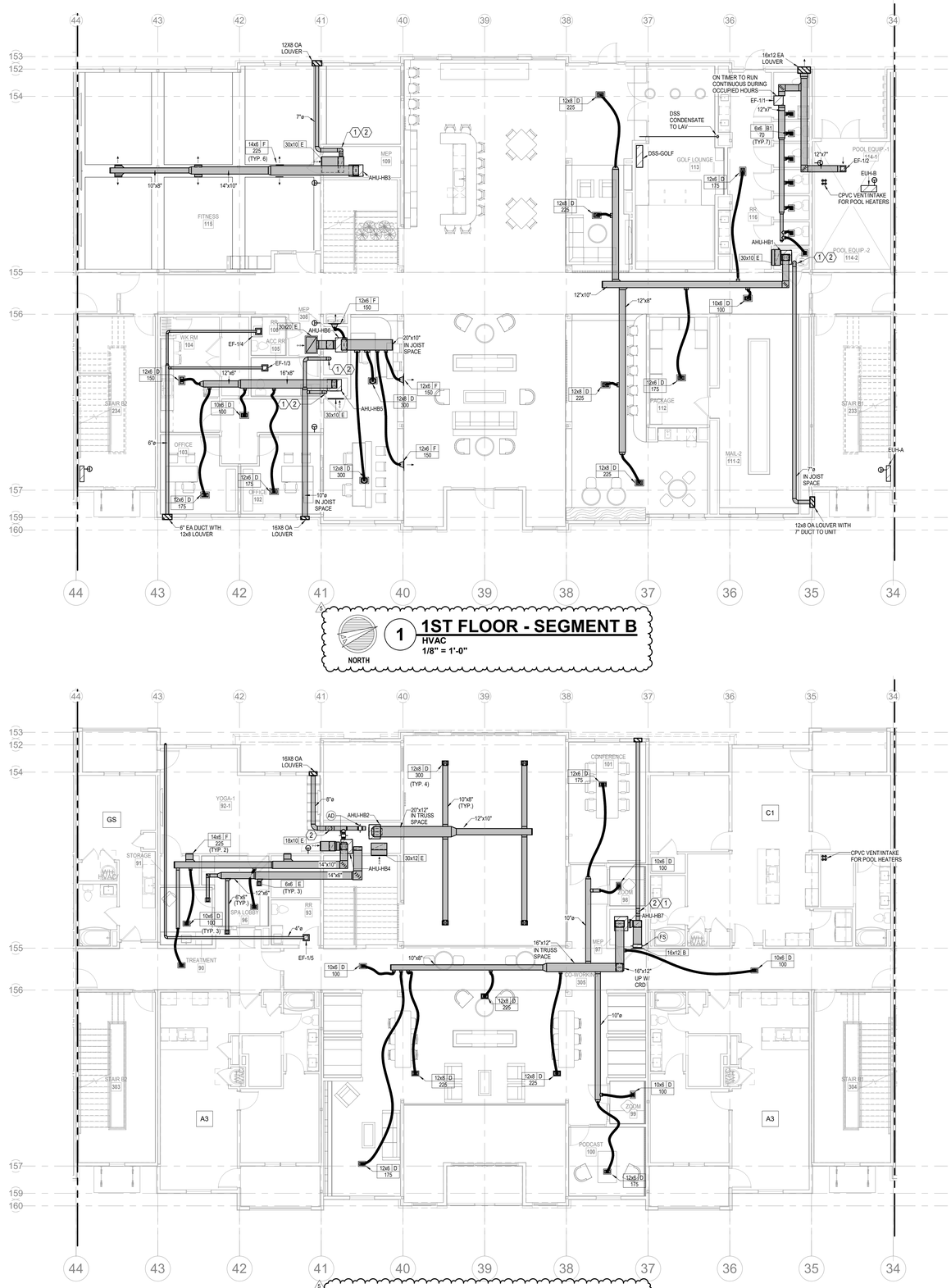
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsaca.com

LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT A - ROOF PLAN - HVAC
SHEET NO. M1.05

4/13/2023 9:08:33 PM

ARCH E1 30" x 42"



1 1ST FLOOR - SEGMENT B
HVAC
1/8" = 1'-0"

NORTH

2 2ND FLOOR - SEGMENT B
HVAC
1/8" = 1'-0"

NORTH

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

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

NSPJ ARCHITECTS
ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES
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F. 913.831.1563
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
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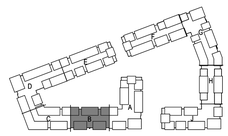
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

△REVISIONS
2 23 0428 ADD 1CC 2
5 23-06-09 ASI 1

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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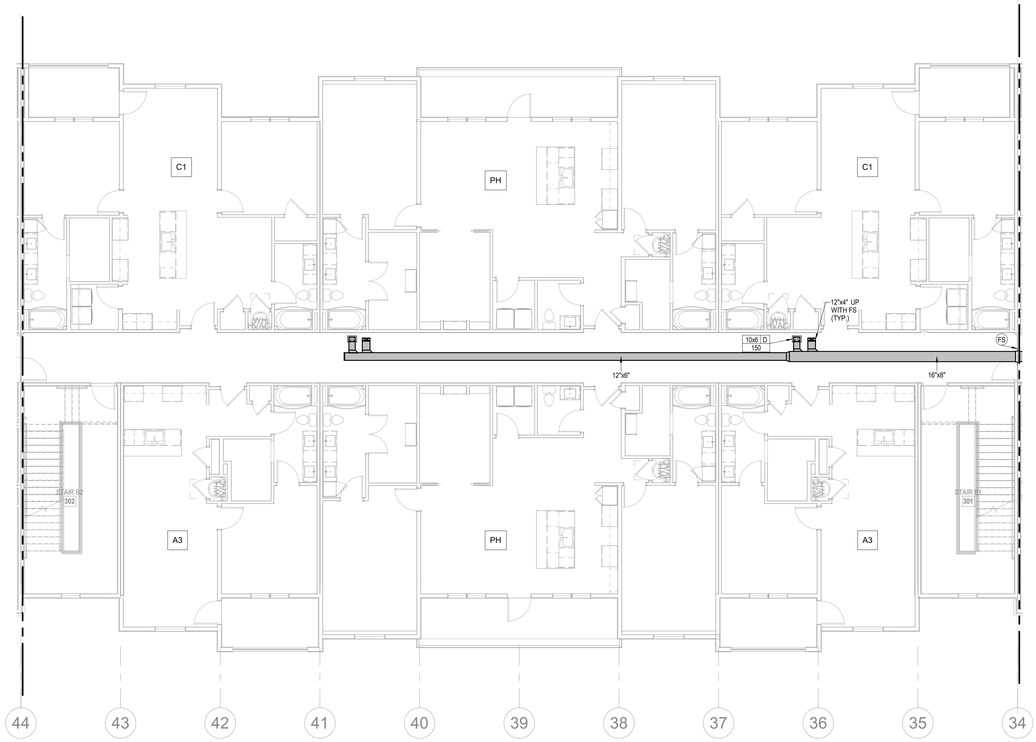
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT B - 1ST & 2ND FLOOR - HVAC
SHEET NO. M1.06

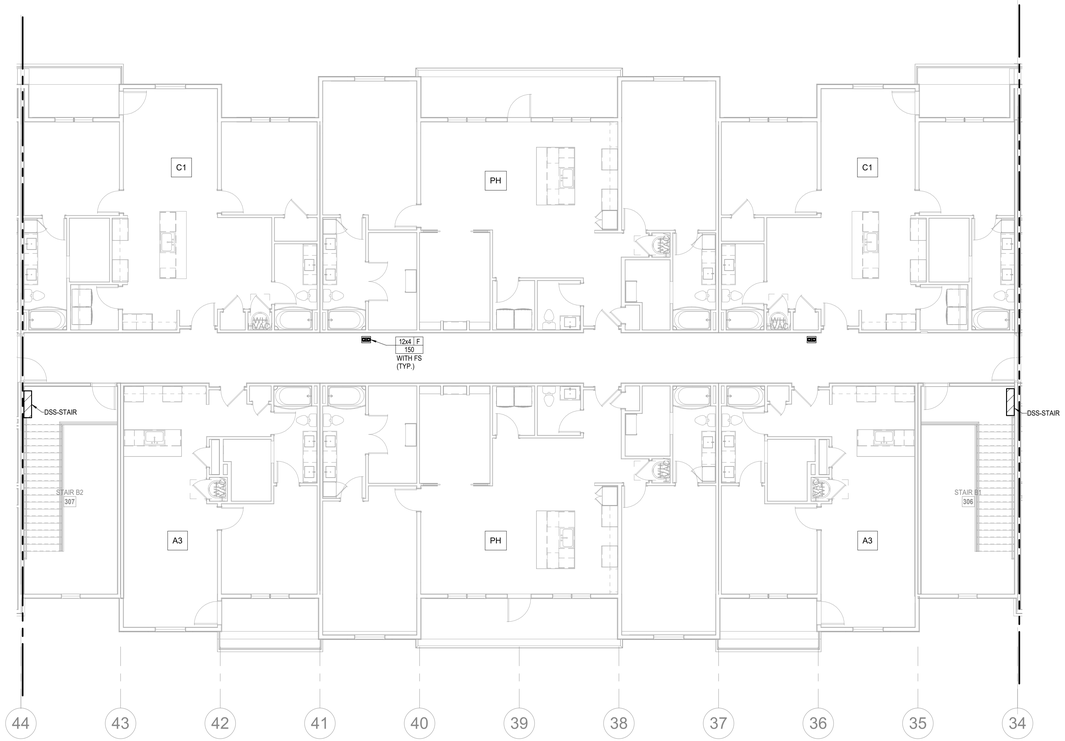
6/12/2023 5:48:14 PM

ARCH E1.30" x 42"



NORTH

1 3RD FLOOR - SEGMENT B
HVAC
1/8" = 1'-0"



NORTH

2 4TH FLOOR - SEGMENT B
HVAC
1/8" = 1'-0"

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

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ENERGY SERVICES

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NUMBER
PROFESSIONAL ENGINEER

03/15/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

NORTH

KEY PLAN

LS&A
Latimer Sommers & Associates P.A.
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3639 SW Summerfield Drive, Suite A
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8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT B - 3RD & 4TH FLOOR - HVAC
SHEET NO. M1.07

4/13/2023 9:08:39 PM

ARCH E1.30" x 42"

NOTES:
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△5

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

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LANDSCAPE ARCHITECTURE
ENERGY SERVICES
NSPJ ARCHITECTS™
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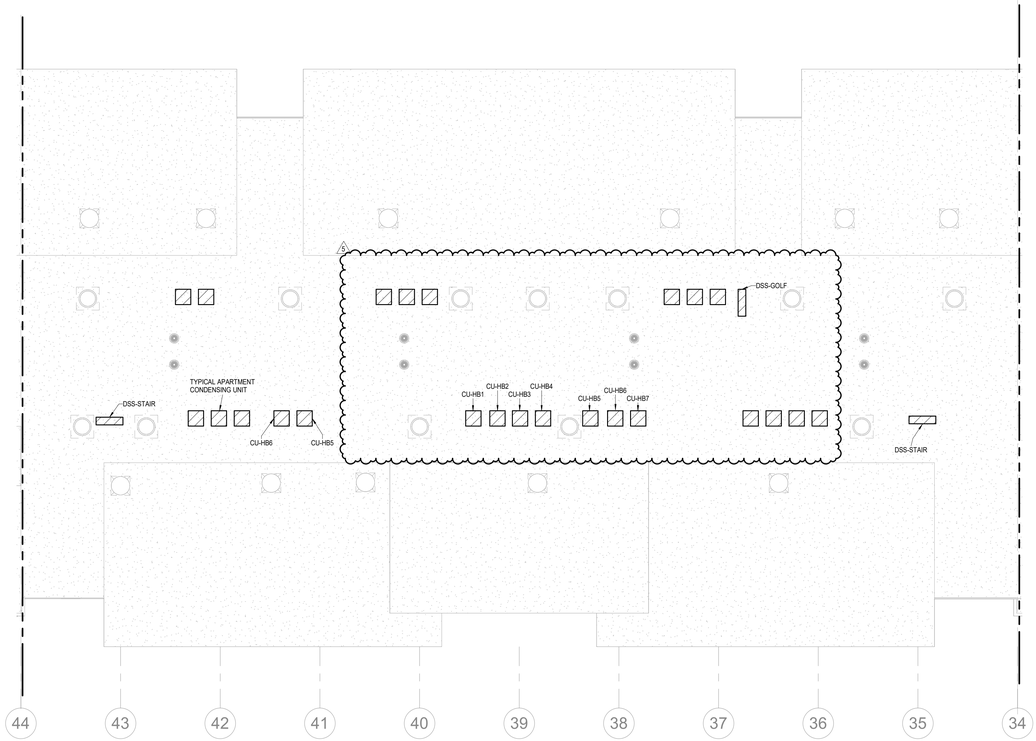
6/9/2023



NORTH

1 ROOF PLAN - SEGMENT B

HVAC
1/8" = 1'-0"

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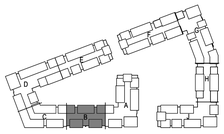
5 23-06-09 ASI 1



NORTH

KEY PLAN

NO SCALE

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Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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8625 College Boulevard, Suite 102
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT B - ROOF PLAN - HVAC
SHEET NO. M1.08

6/12/2023 5:48:14 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
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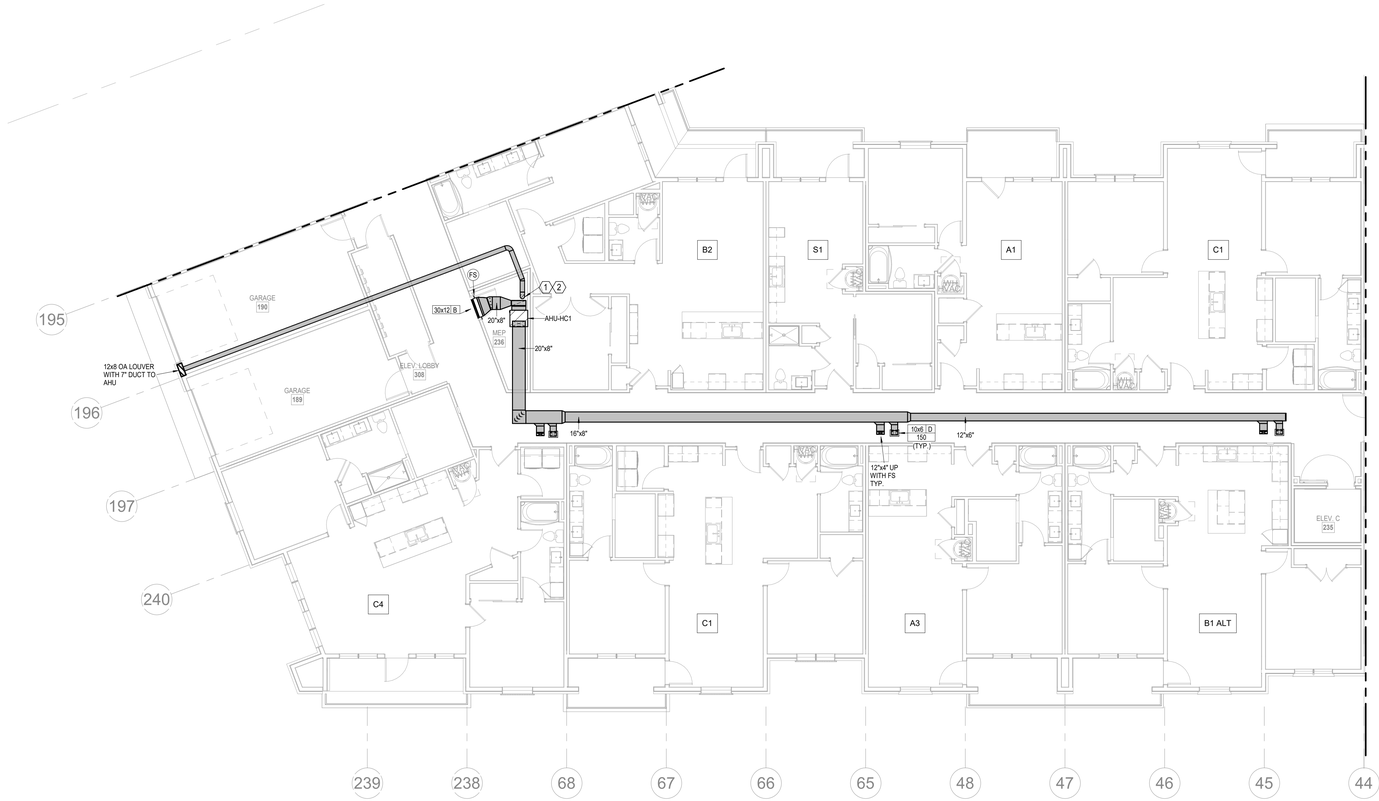
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.



NORTH

1 1ST FLOOR - SEGMENT C

HVAC

1/8" = 1'-0"

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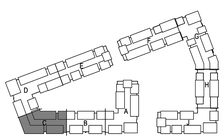

NORTH

KEY PLAN

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Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT C - 1ST FLOOR - HVAC
SHEET NO. M1.09

4/13/2023 9:08:42 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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1 2ND FLOOR - SEGMENT C

HVAC

1/8" = 1'-0"

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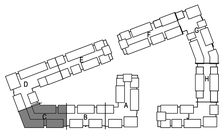

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT C - 2ND FLOOR - HVAC
SHEET NO. M1.10

4/3/2023 9:08:44 PM

ARCH E1.30" x 42"

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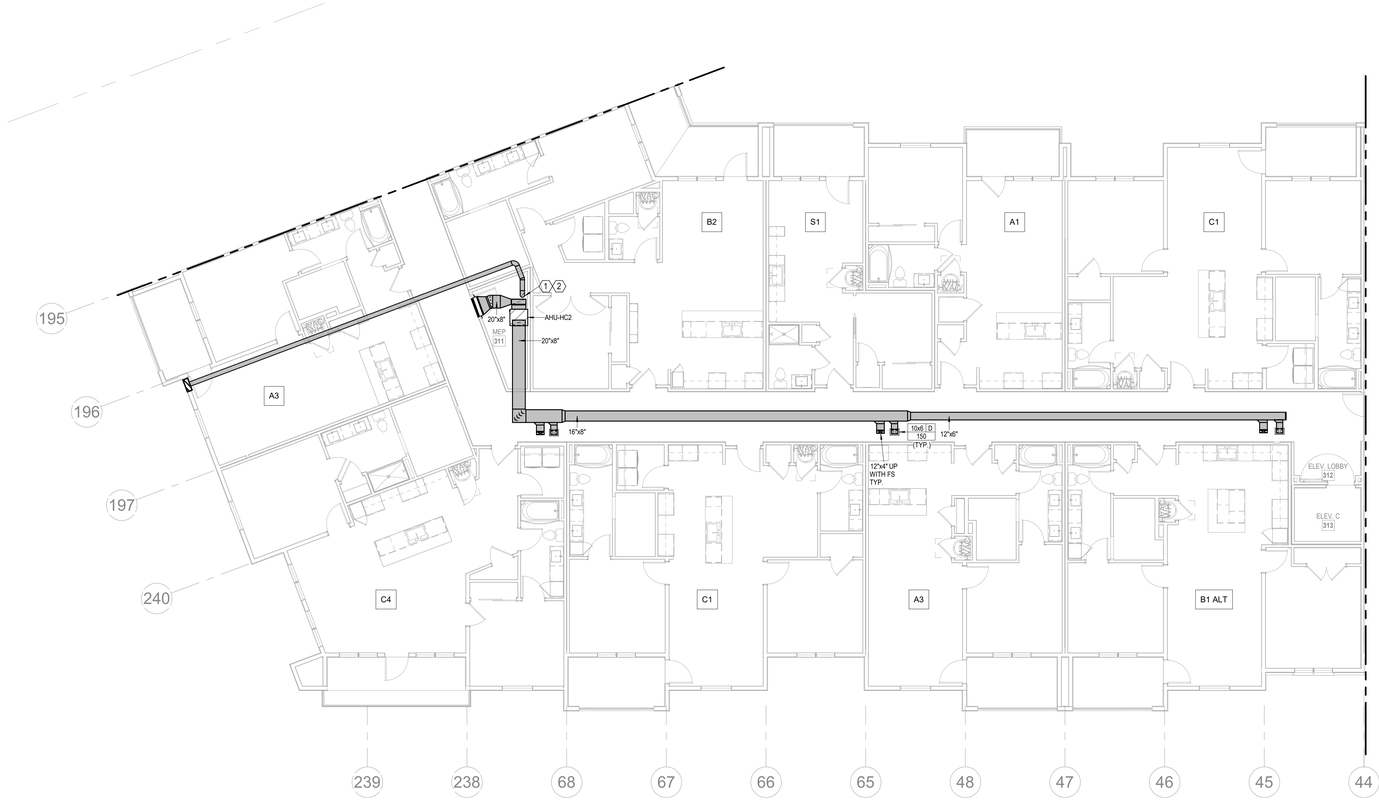

1 **3RD FLOOR - SEGMENT C**
HVAC
1/8" = 1'-0"

NORTH

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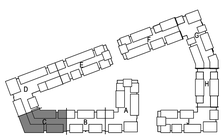

KEY PLAN

NORTH

LS&A
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CONSULTING ENGINEERS
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8826 College Boulevard, Suite 102
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT C - 3RD FLOOR - HVAC
SHEET NO. M1.11

4/13/2023 9:08:46 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
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NORTH

1 4TH FLOOR - SEGMENT C

HVAC

1/8" = 1'-0"

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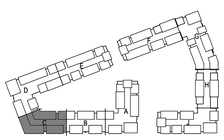

NORTH

KEY PLAN

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Topeka, Kansas 6614-2874
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT C - 4TH FLOOR - HVAC
SHEET NO. M1.12

4/13/2023 9:08:47 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
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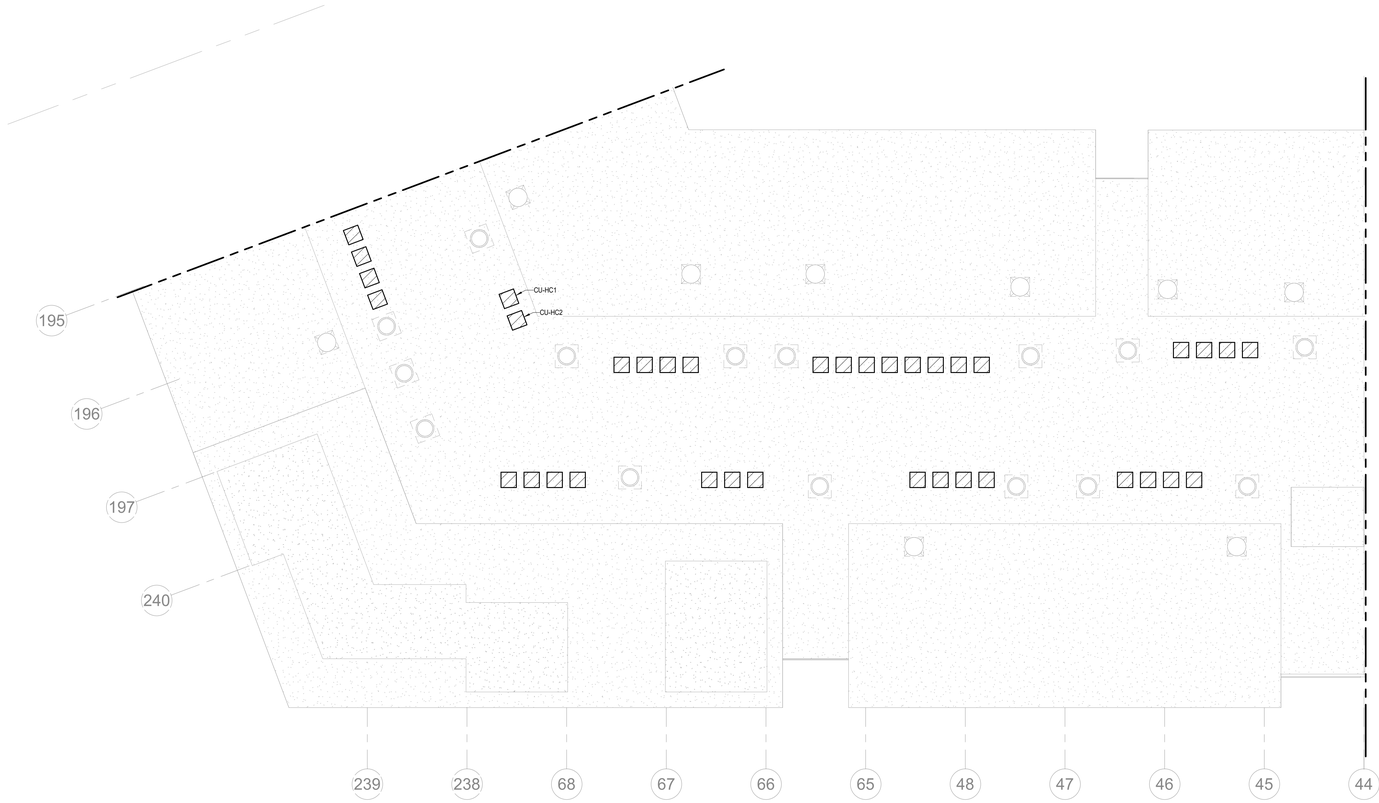

NORTH

1 ROOF PLAN - SEGMENT C

HVAC
1/8" = 1'-0"

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

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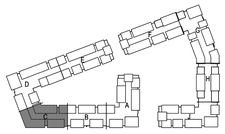

NORTH

KEY PLAN

DISCIPLINE

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-2974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB.NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT C - ROOF PLAN - HVAC
SHEET NO. M1.13

4/13/2023 9:08:48 PM

ARCH E1.30" x 42"

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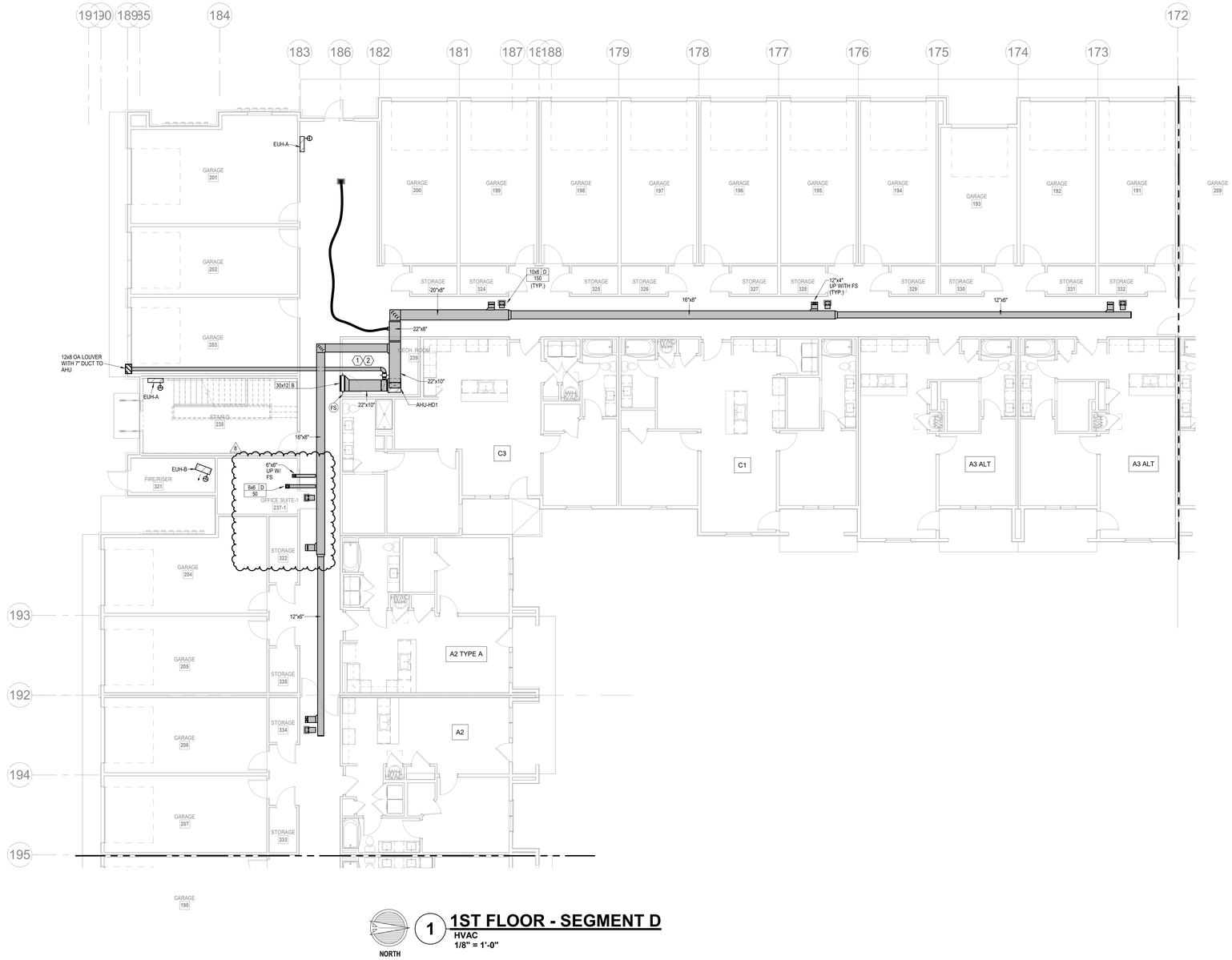
LEGEND:	
(1)	AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
(2)	PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.

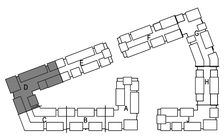


1 1ST FLOOR - SEGMENT D

HVAC

1/8" = 1'-0"

NORTH



KEY PLAN

NO SCALE

NORTH

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LANDSCAPE ARCHITECTURE
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6/9/2023

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- 03.15.2023 - PERMIT SUBMITTAL

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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 1ST FLOOR - HVAC
SHEET NO. M1.14

8/10/2023 2:19:50 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
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LEGEND:
(1) AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.
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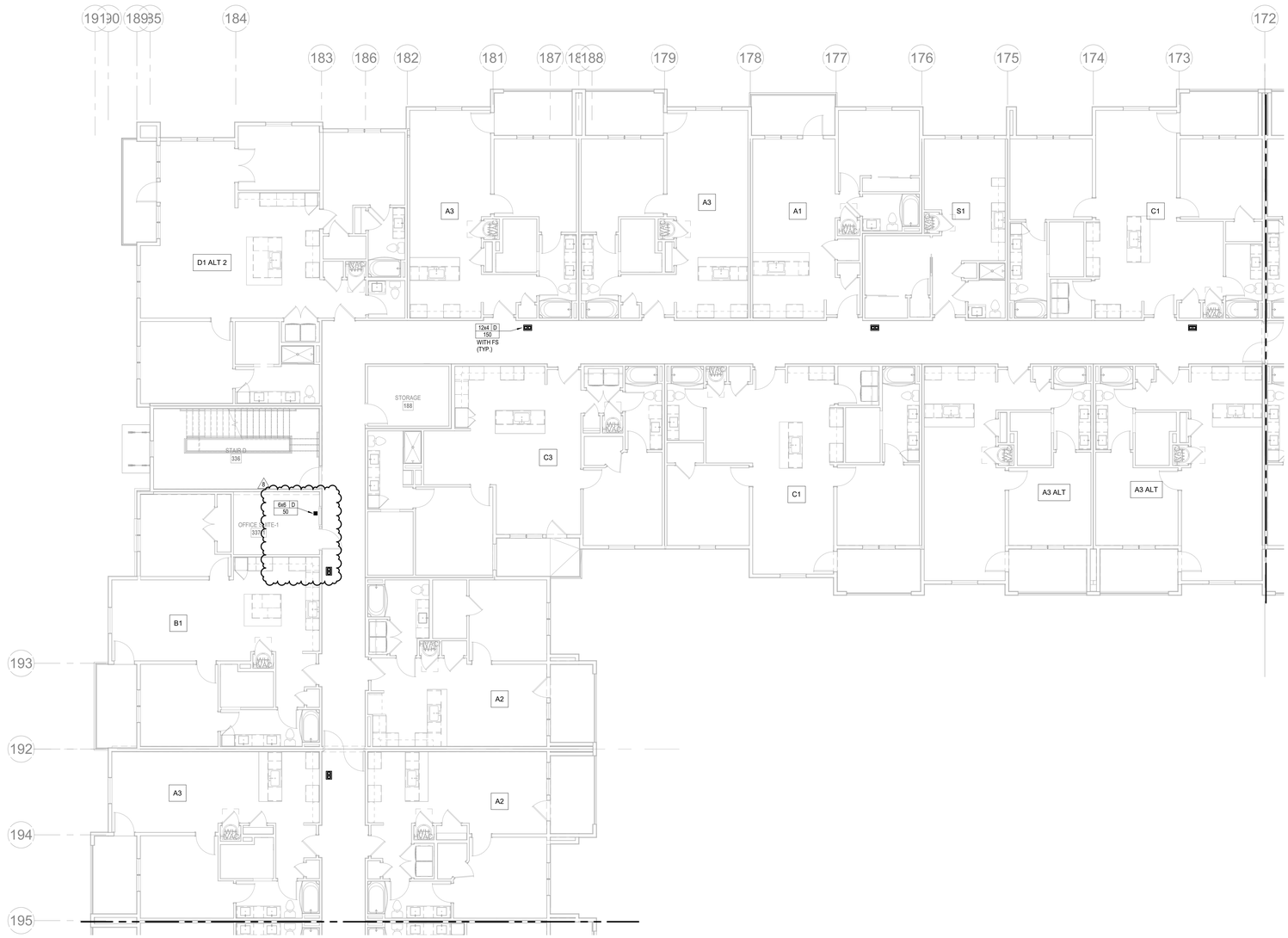
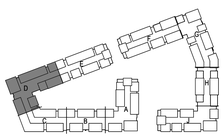


NORTH

1 2ND FLOOR - SEGMENT D

HVAC

1/8" = 1'-0"



NORTH

KEY PLAN

NO SCALE

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LANDSCAPE ARCHITECTURE
ENERGY SERVICES
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1 23-08-11 ASI 4

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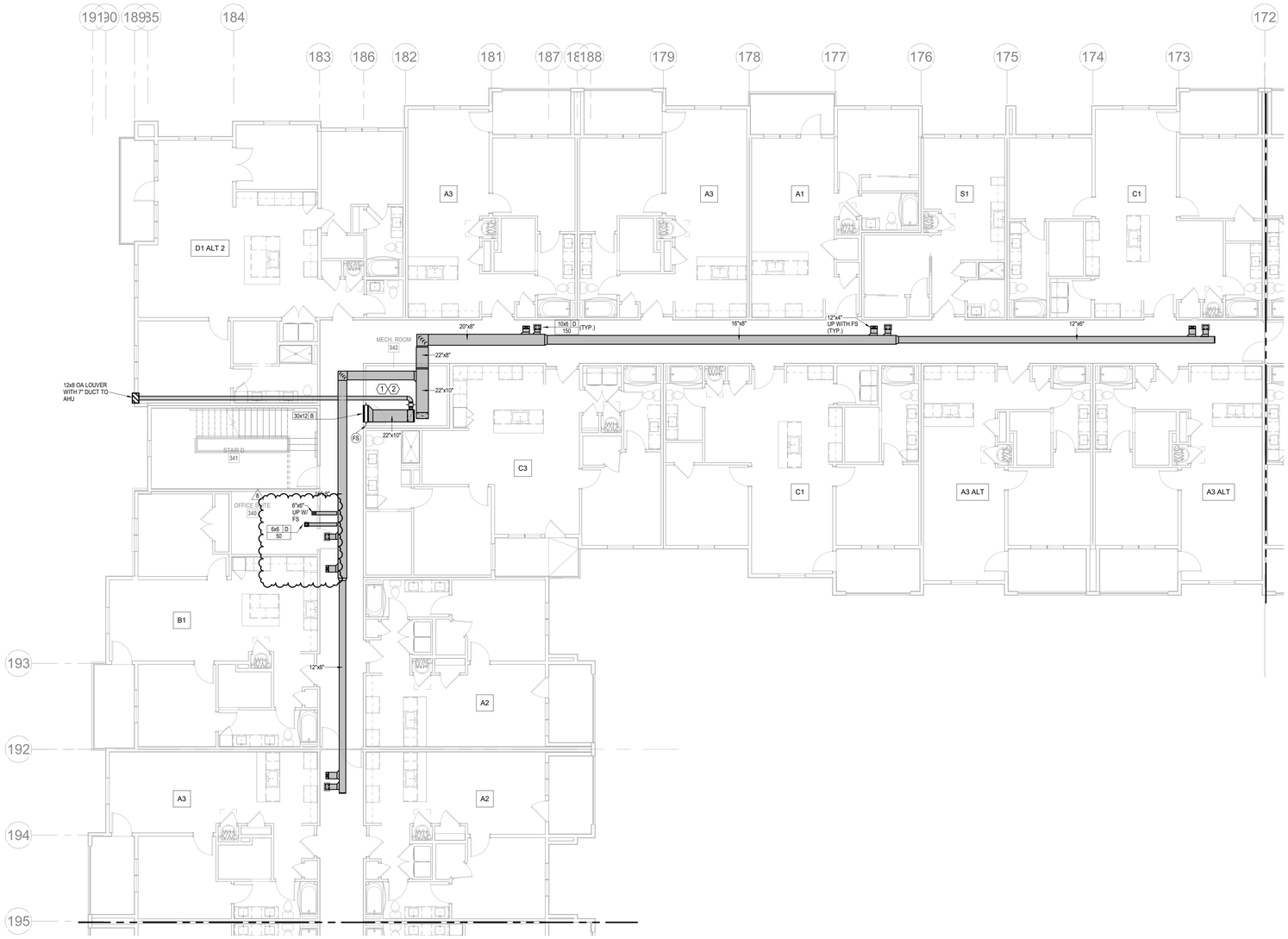
8628 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 2ND FLOOR - HVAC
SHEET NO. M1.15

8/10/2023 2:19:53 PM

ARCH E1.30" x 42"



NORTH

1 3RD FLOOR - SEGMENT D

HVAC

1/8" = 1'-0"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

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

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NUMBER
PROFESSIONAL ENGINEER

6/9/2023

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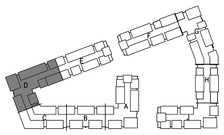
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS
8 23-08-11 ASI 4



NORTH

KEY PLAN

NO SCALE

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8625 College Boulevard, Suite 102
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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 3RD FLOOR - HVAC
SHEET NO. M1.16

8/10/2023 2:19:56 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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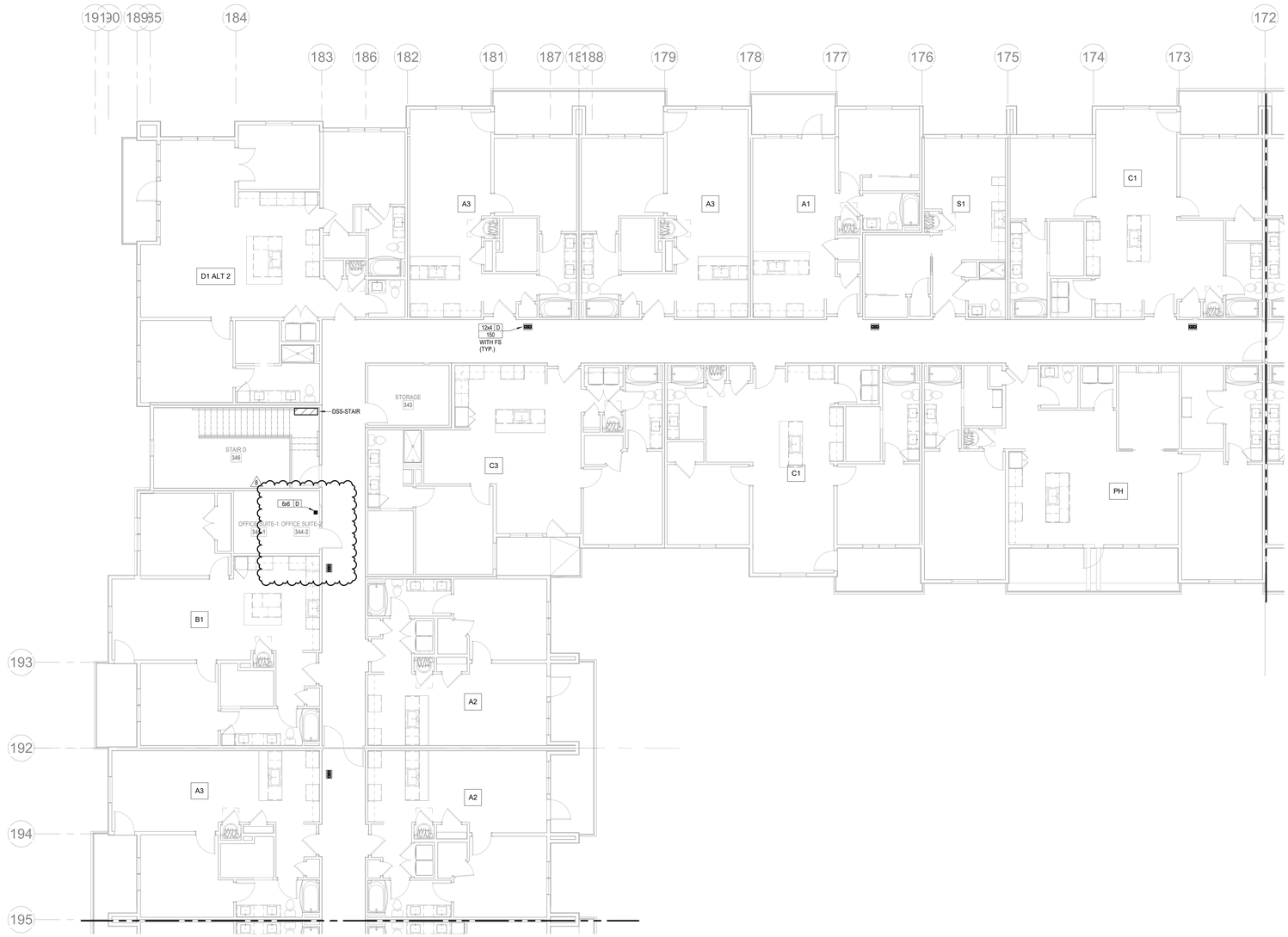
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

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



1 **4TH FLOOR - SEGMENT D**
HVAC
1/8" = 1'-0"
NORTH

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NUMBER
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6/9/2023

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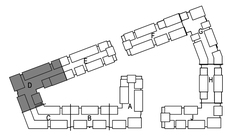
8 23-08-11 ASI 4



NORTH
KEY PLAN
NO SCALE

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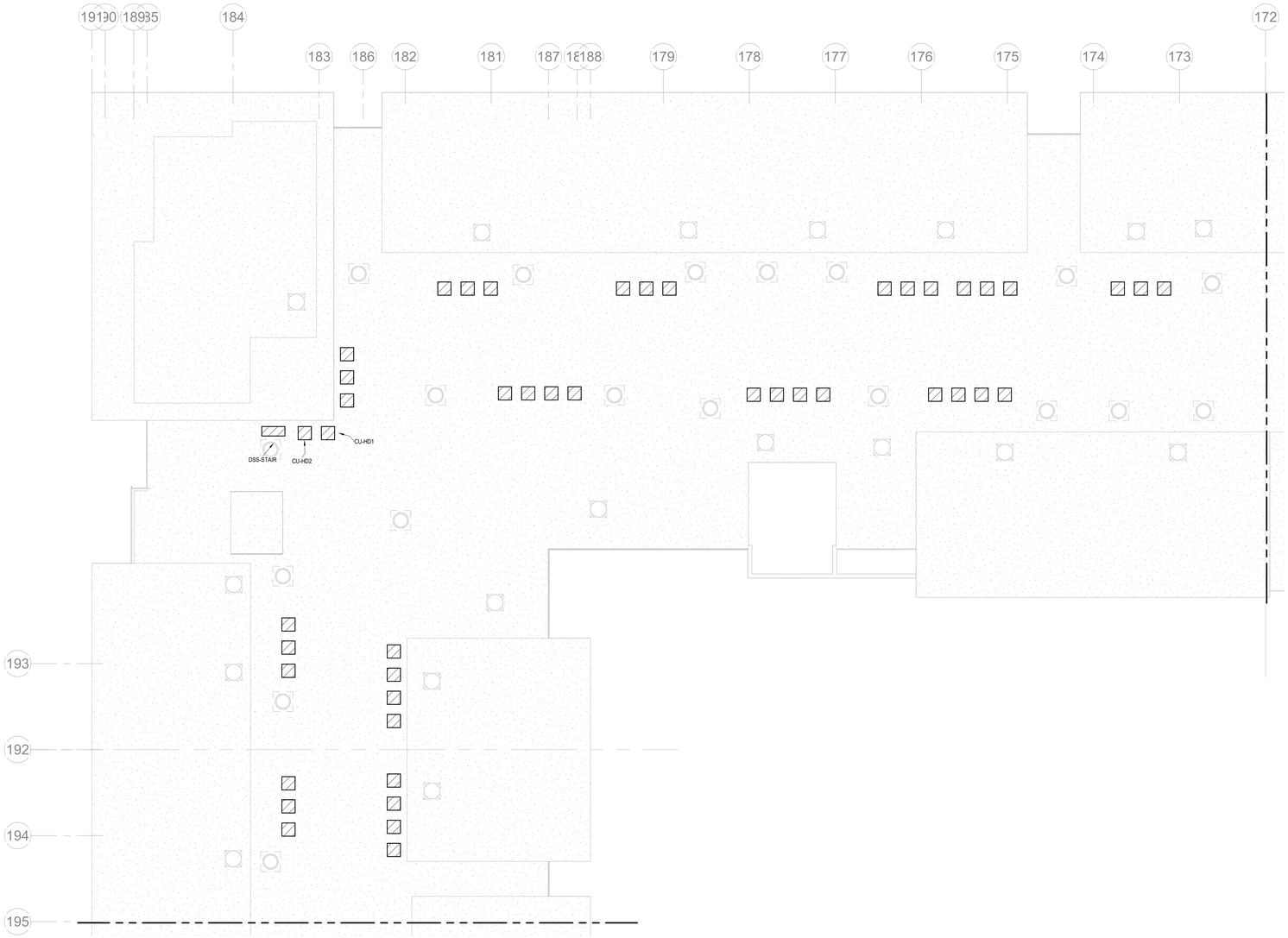
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023
CITY COMMENTS #3
SHEET NAME
SEGMENT D - 4TH FLOOR - HVAC
SHEET NO.
M1.17

8/10/2023 2:19:59 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.



NORTH

1 ROOF PLAN - SEGMENT D

HVAC
1/8" = 1'-0"

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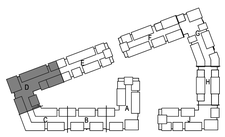

NORTH

KEY PLAN

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT D - ROOF PLAN - HVAC
SHEET NO. M1.18

4/13/2023 9:06:58 PM

ARCH E1.30" x 42"

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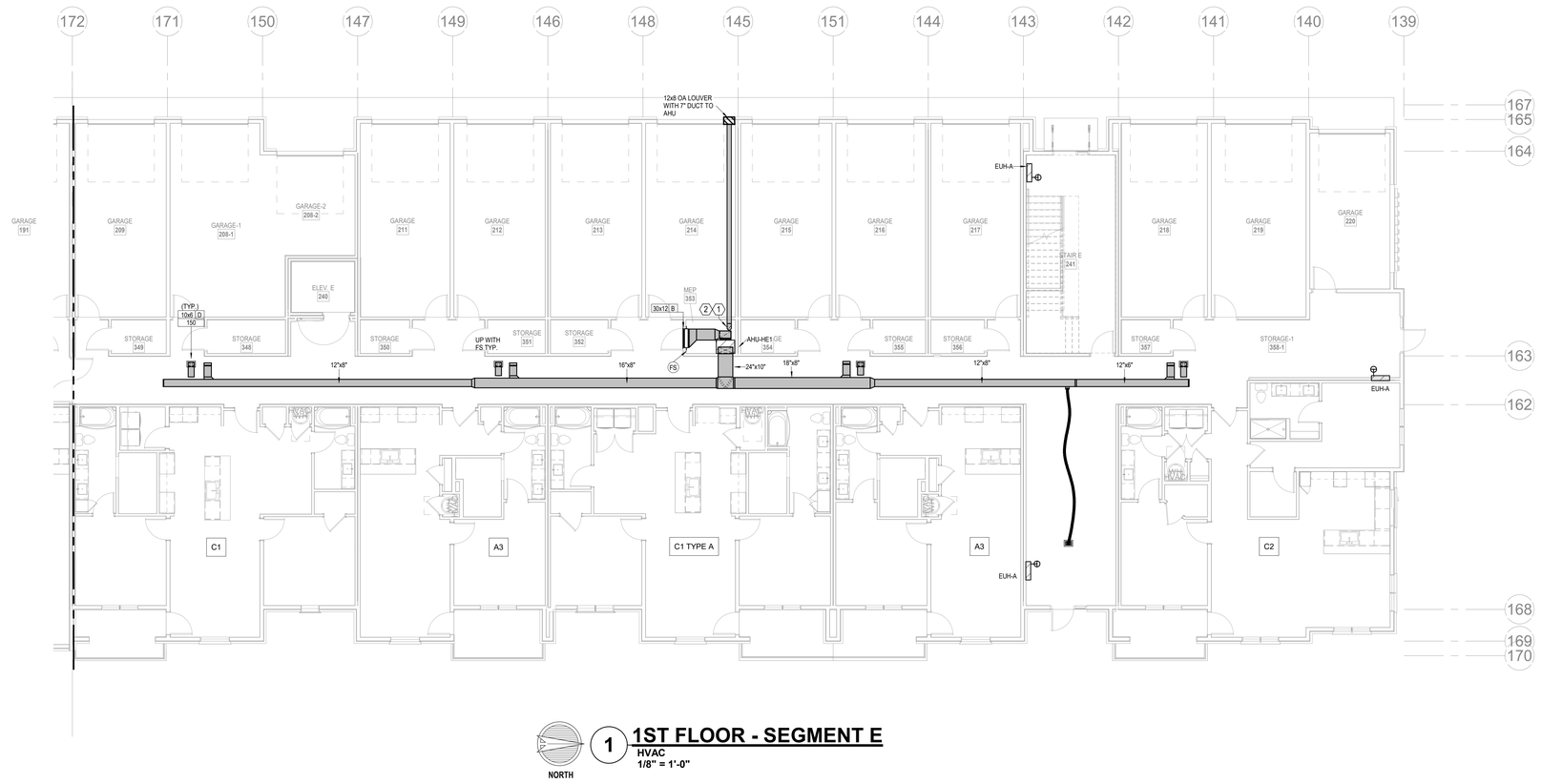

1 1ST FLOOR - SEGMENT E

HVAC

1/8" = 1'-0"

NORTH

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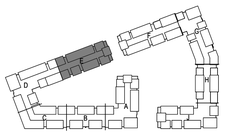

NORTH

KEY PLAN

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT E - 1ST FLOOR - HVAC
SHEET NO. M1.19

4/13/2023 9:09:00 PM

ARCH E1.30" x 42"

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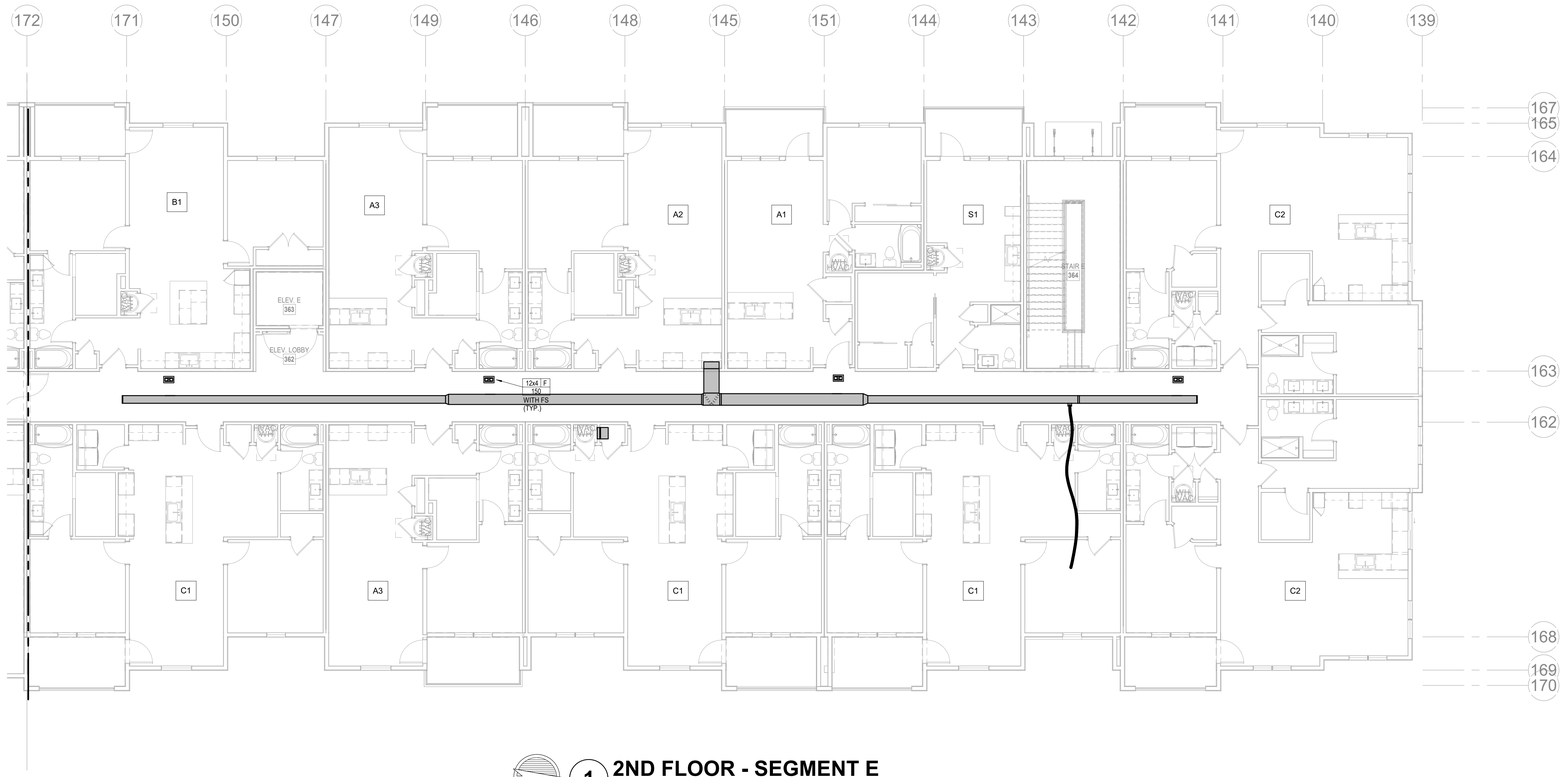

NORTH

1 2ND FLOOR - SEGMENT E

HVAC

1/8" = 1'-0"

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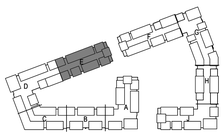

NORTH

KEY PLAN

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Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD

4/11/2023
CITY COMMENTS

SHEET NAME
SEGMENT E - 2ND FLOOR - HVAC

SHEET NO.
M1.20

4/13/2023 5:05:02 PM

ARCH E1.30" x 42"

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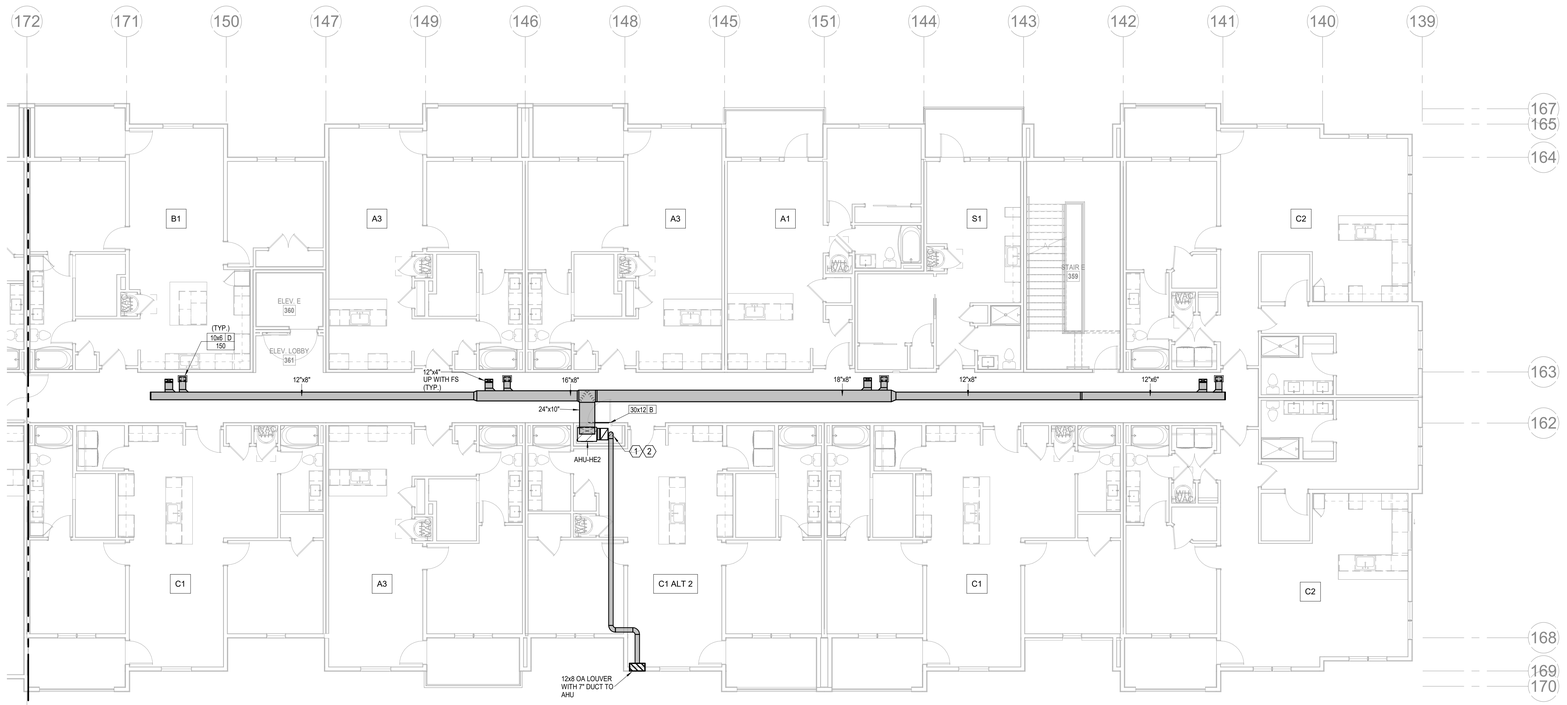

NORTH

1 3RD FLOOR - SEGMENT E

HVAC

1/8" = 1'-0"

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03/15/2023

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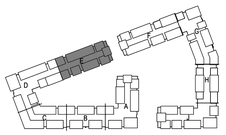

NORTH

KEY PLAN

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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB.NO 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023
CITY COMMENTS
SHEET NAME
SEGMENT E - 3RD FLOOR - HVAC
SHEET NO.

M1.21

4/13/2023 9:09:04 PM

ARCH E1.30" x 42"

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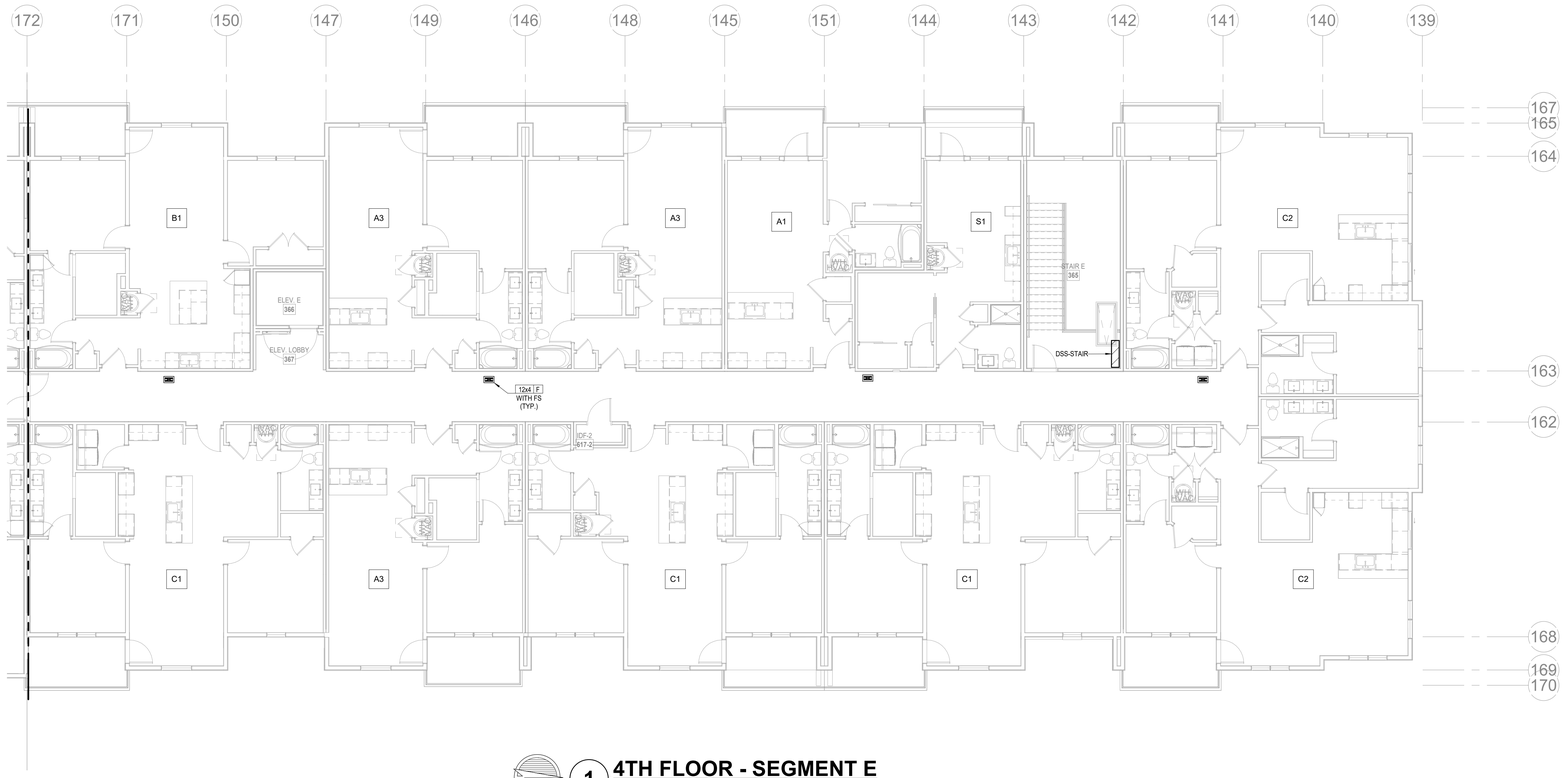

NORTH

1 4TH FLOOR - SEGMENT E

HVAC

1/8" = 1'-0"

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NUMBER A-2007018010
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03/15/2023

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TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

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- 03.15.2023 - PERMIT SUBMITTAL

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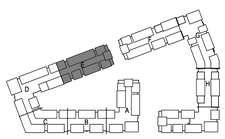

NORTH

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JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT E - 4TH FLOOR - HVAC
SHEET NO. M1.22

4/13/2023 9:09:06 PM

ARCH E1.30" x 42"

NOTES:
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ENERGY SERVICES

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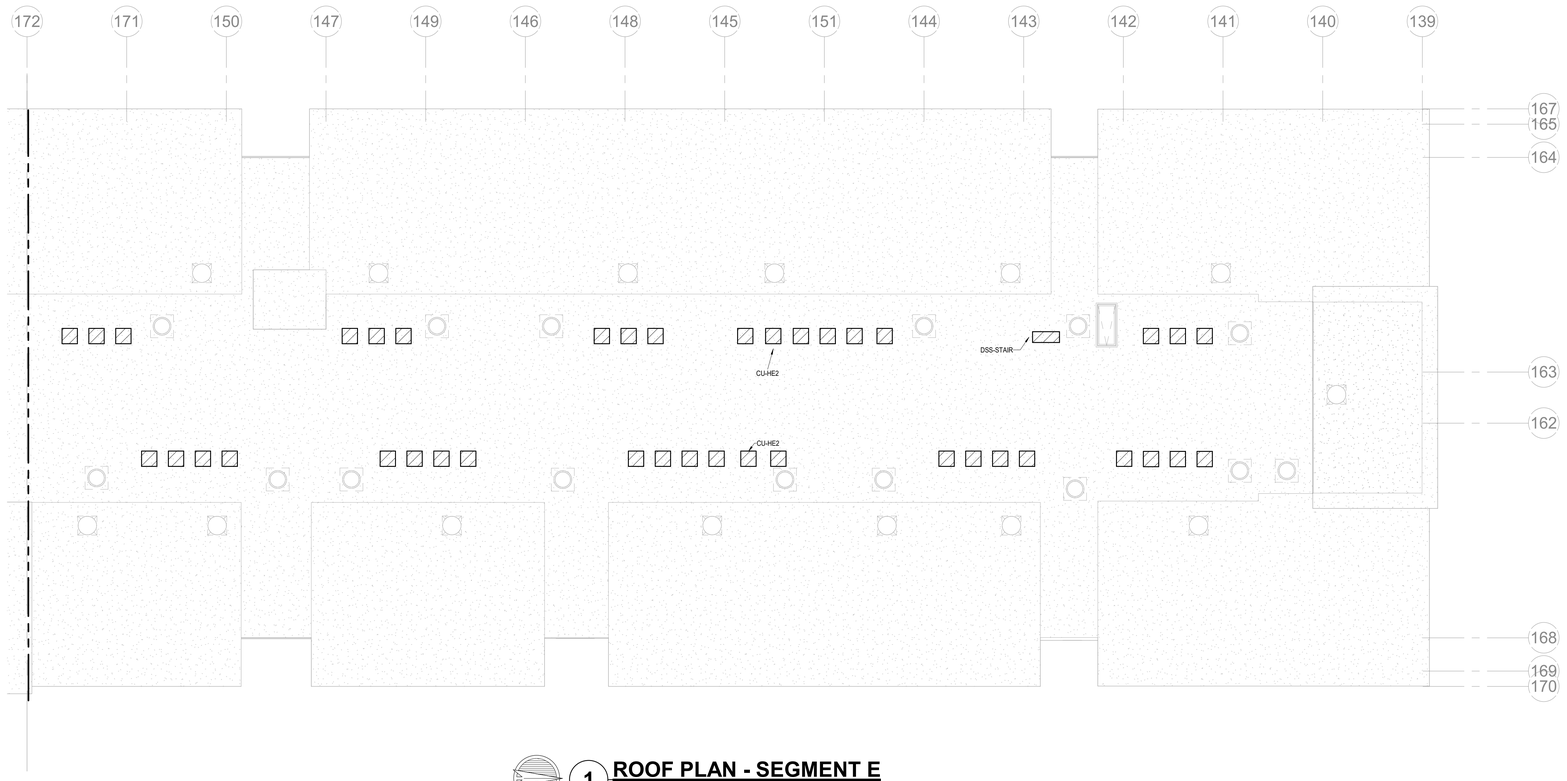
03/15/2023



NORTH

1 ROOF PLAN - SEGMENT E

HVAC
1/8" = 1'-0"

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TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

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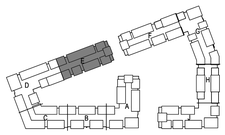

NORTH

KEY PLAN

SEGMENT E - ROOF PLAN - HVAC

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LSA PROJECT NO. 2204061

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DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT E - ROOF PLAN - HVAC
SHEET NO. M1.23

4/13/2023 9:09:07 PM

ARCH E1.30" x 42"

NOTES:
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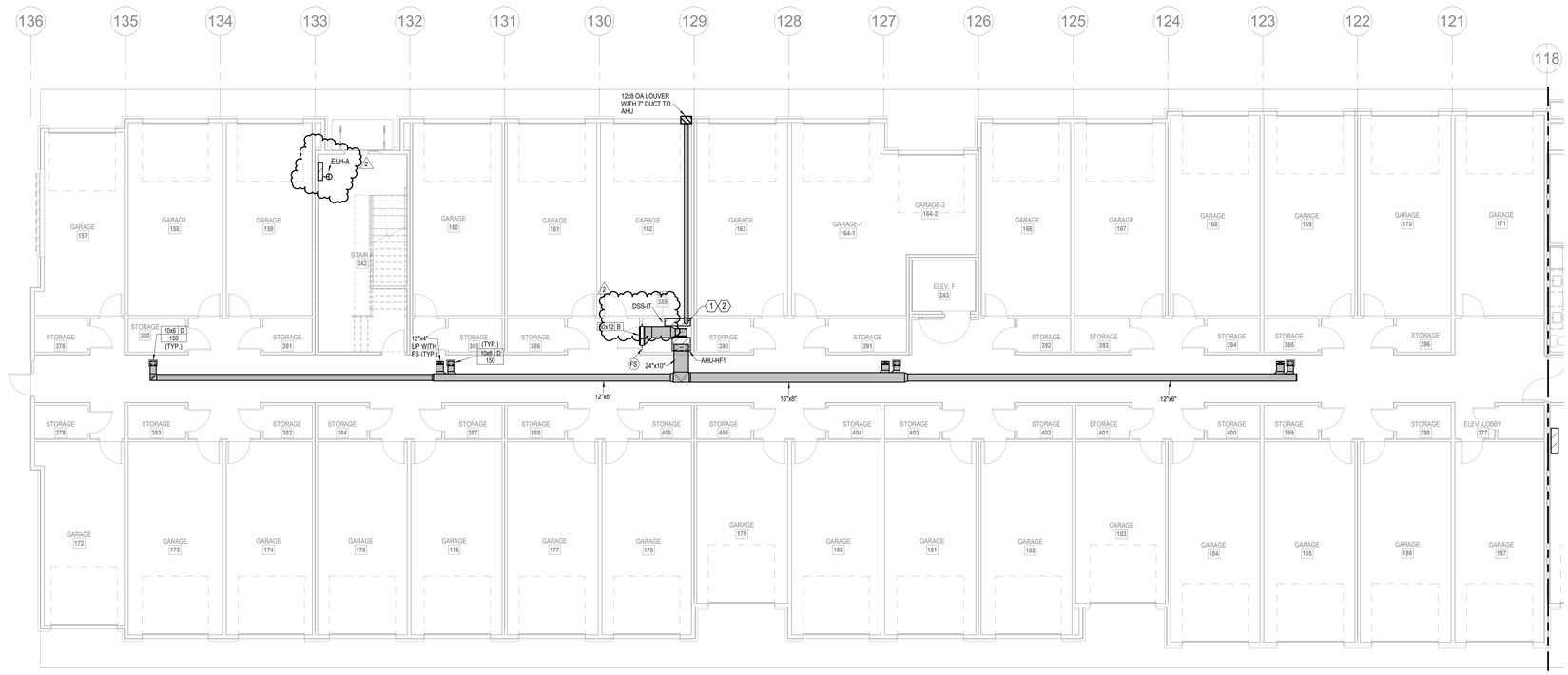
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

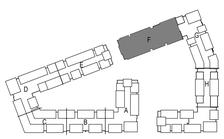


1 1ST FLOOR - SEGMENT F

HVAC

1/8" = 1'-0"

NORTH



NORTH

KEY PLAN

NO SCALE

NSPJ ARCHITECTS
ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES
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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

04/28/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS
2 23.0428 ADD 1/CC 2

LS&A
Latimer Sommers & Associates P.A.
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3639 SW Summerfield Drive, Suite A
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8625 College Boulevard, Suite 102
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT F - 1ST FLOOR - HVAC
SHEET NO. M1.24

5/1/2023 3:50:31 PM

ARCH E1.30" x 42"

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

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NUMBER
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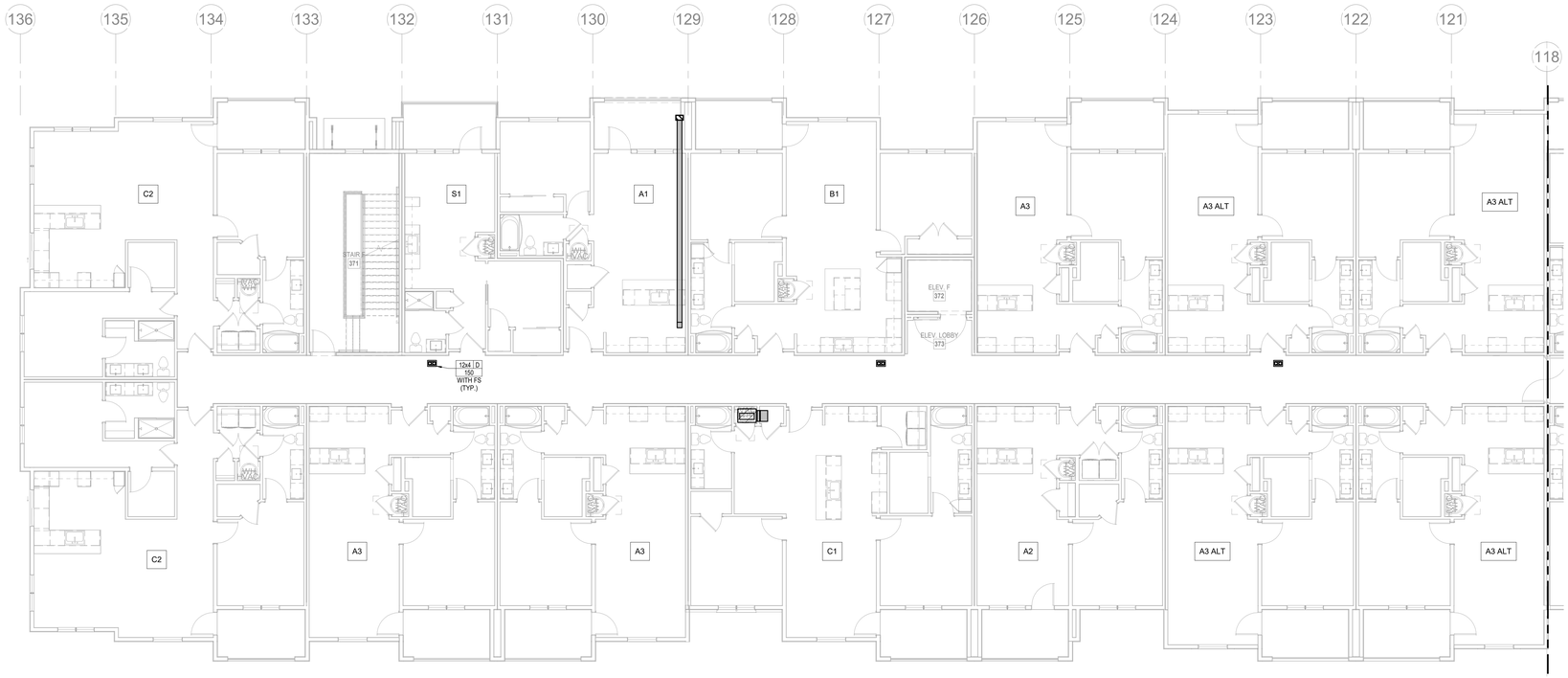
03/15/2023



NORTH

1 2ND FLOOR - SEGMENT F

HVAC
1/8" = 1'-0"

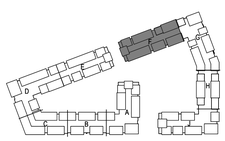
A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



NORTH

KEY PLAN

LS&A
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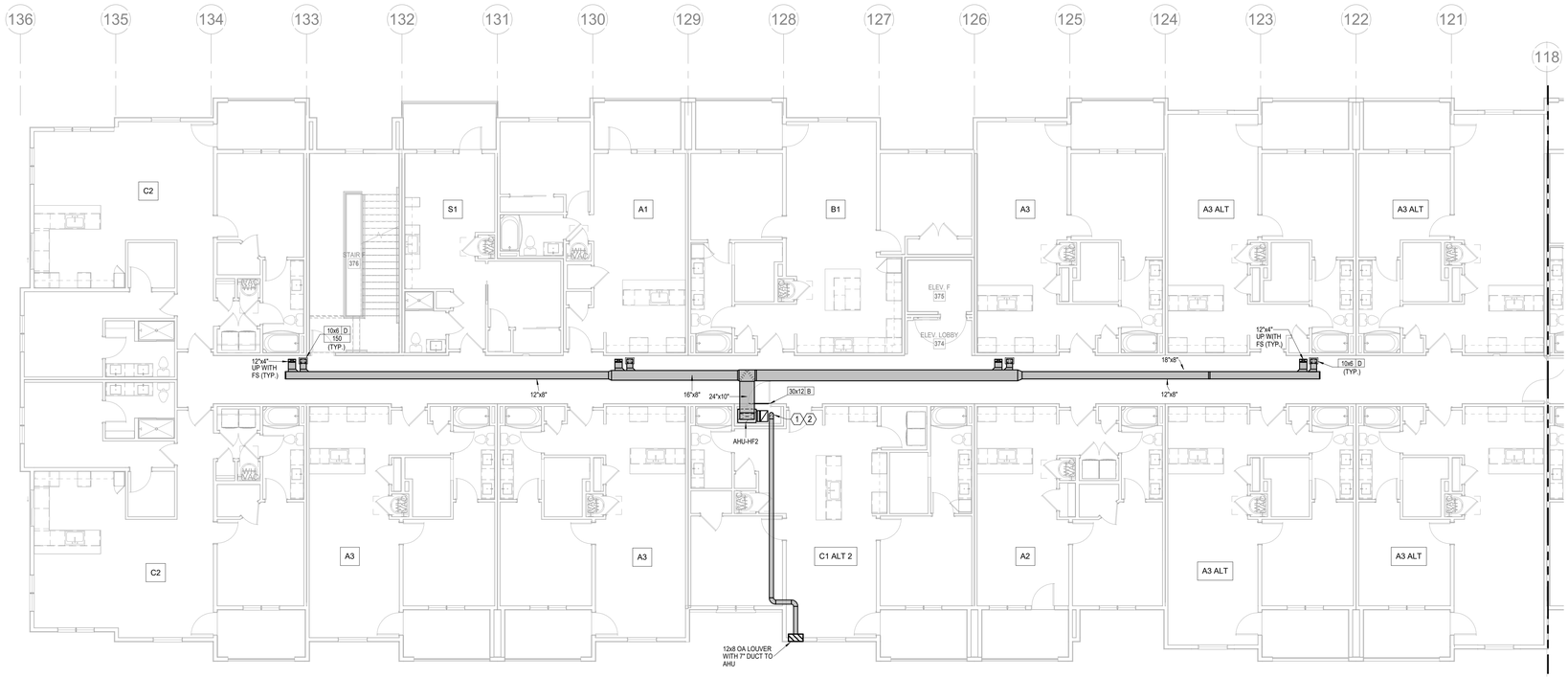
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT F - 2ND FLOOR - HVAC
SHEET NO. M1.25

4/13/2023 9:09:11 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.



NORTH

1 3RD FLOOR - SEGMENT F

HVAC

1/8" = 1'-0"

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LANDSCAPE ARCHITECTURE
ENERGY SERVICES
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03/15/2023

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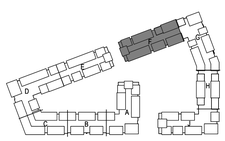
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

△REVISIONS

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023
CITY COMMENTS
SHEET NAME
SEGMENT F - 3RD FLOOR - HVAC
SHEET NO.
M1.26

4/13/2023 9:05:14 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
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LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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NUMBER
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03/15/2023

NORTH

1 4TH FLOOR - SEGMENT F

HVAC
1/8" = 1'-0"

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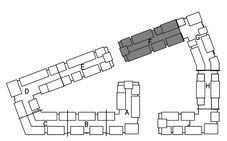
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS



NORTH

KEY PLAN

DISCARD PLAN

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT F - 4TH FLOOR - HVAC
SHEET NO. M1.27

4/13/2023 9:05:16 PM

ARCH E1.30" x 42"

NOTES:
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NUMBER
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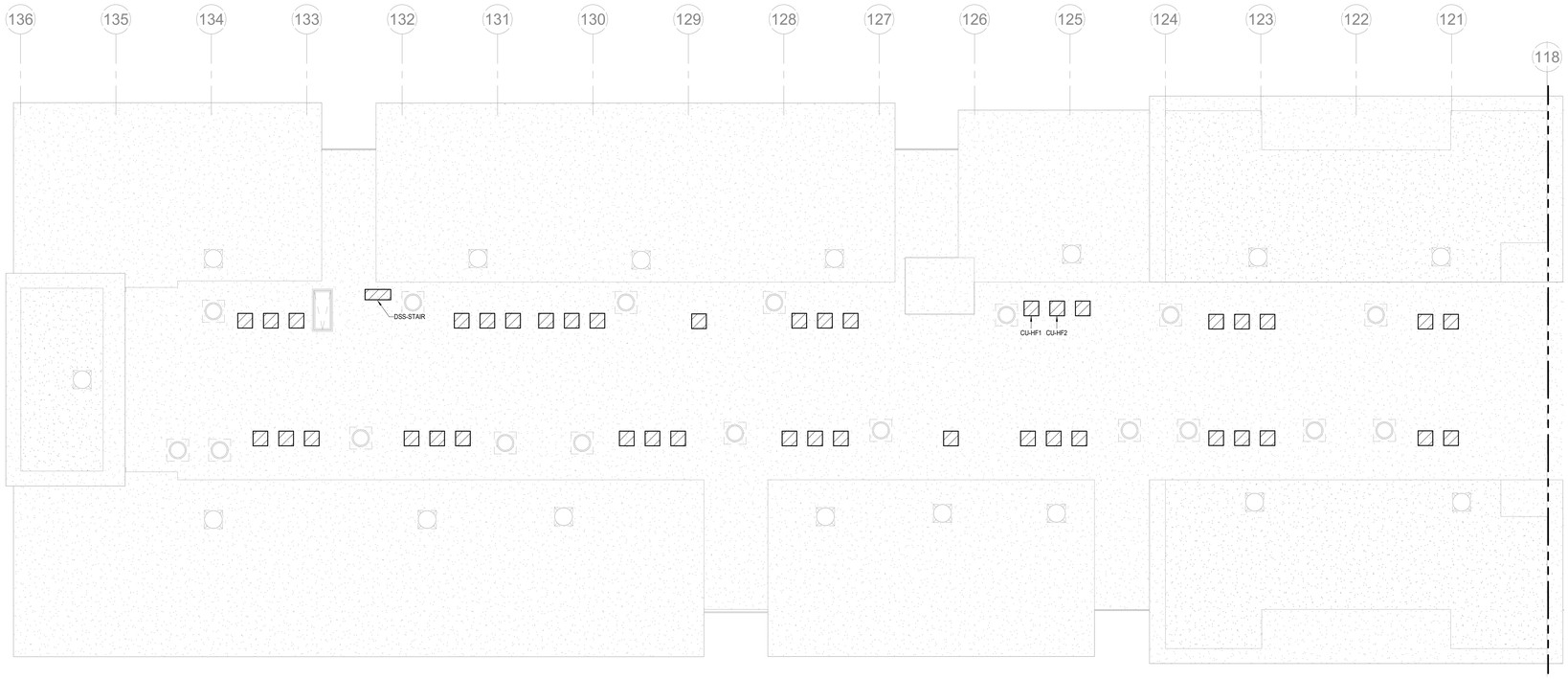
03/15/2023



NORTH

1 ROOF PLAN - SEGMENT F

HVAC
1/8" = 1'-0"

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TRILOGY

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• 03.15.2023 - PERMIT SUBMITTAL

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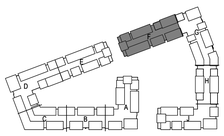

NORTH

KEY PLAN

LS&A
Lastimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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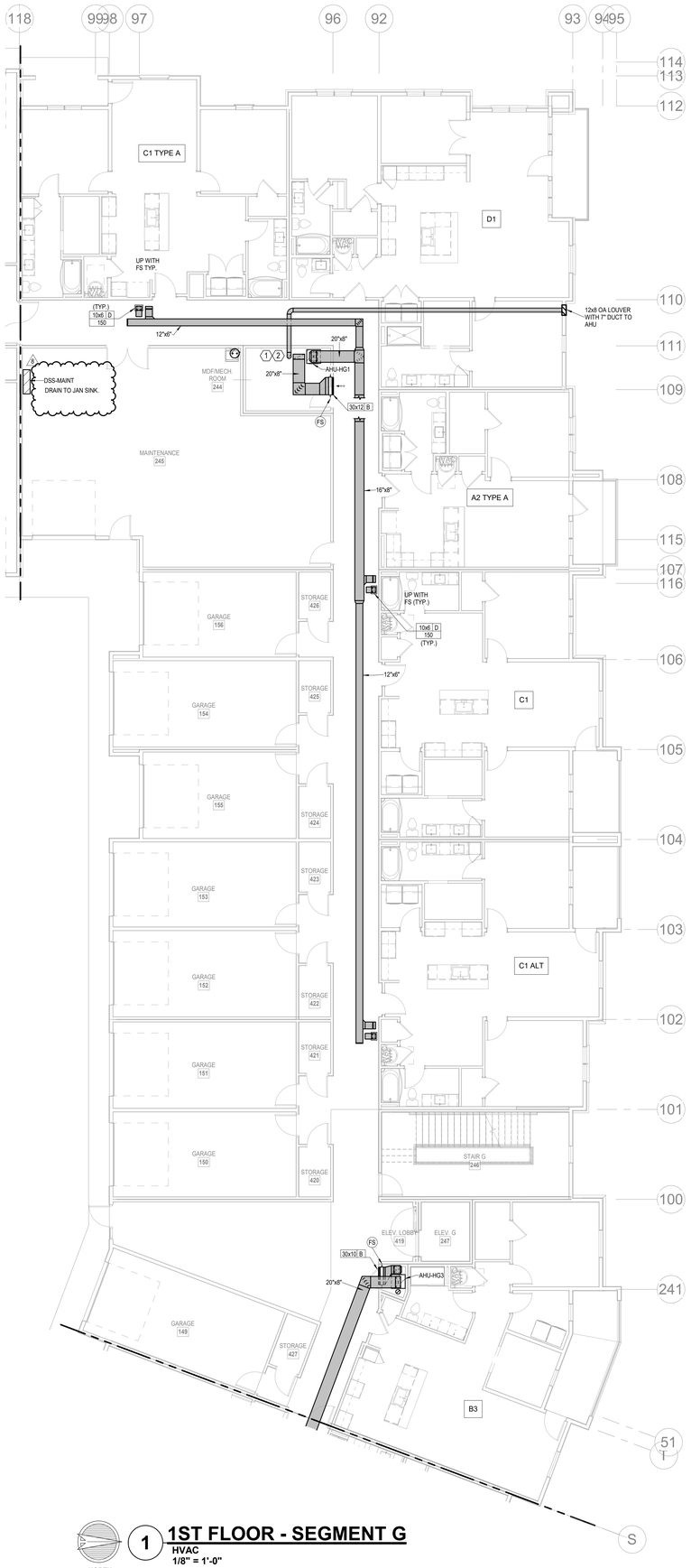
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

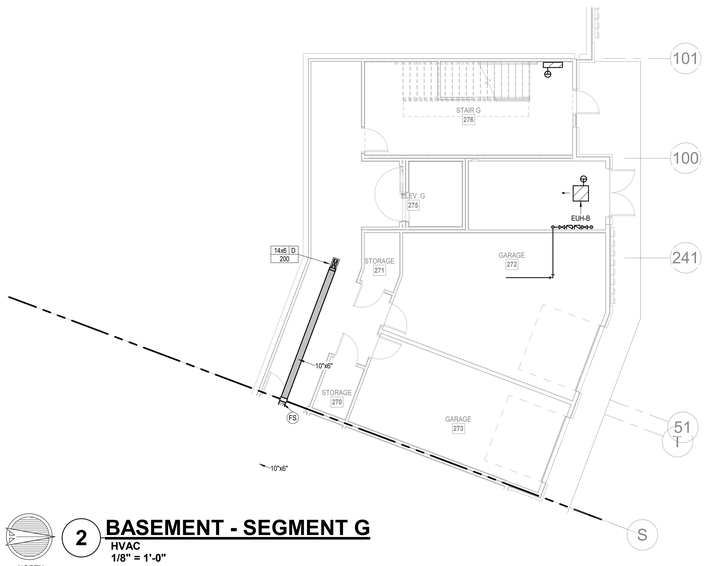
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT F - ROOF PLAN - HVAC
SHEET NO. M1.28

4/13/2023 5:09:17 PM

ARCH E1 30" x 42"



1 **1ST FLOOR - SEGMENT G**
HVAC
1/8" = 1'-0"
NORTH



2 **BASEMENT - SEGMENT G**
HVAC
1/8" = 1'-0"
NORTH

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

LEGEND:

(1) AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.

(2) PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.

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ENERGY SERVICES
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NUMBER A-2007018744
PROFESSIONAL ENGINEER
6/9/2023

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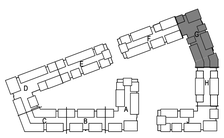
• 03.15.2023 - PERMIT SUBMITTAL



NORTH
KEY PLAN
NO SCALE

△REVISIONS
8 23-08-11 ASI 4

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Topeka, Kansas 6614-3974
8628 College Boulevard, Suite 103
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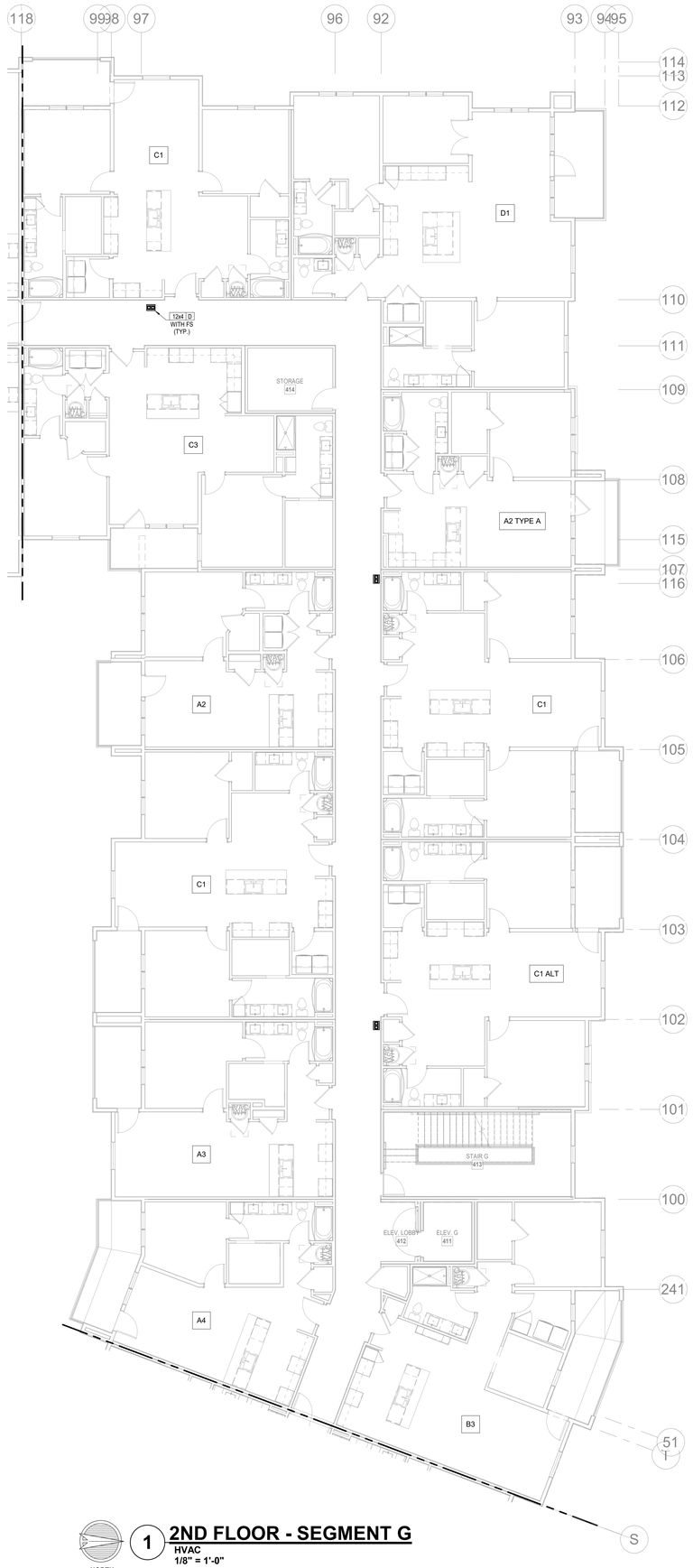
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT G - BASEMENT & 1ST FLOOR - HVAC
SHEET NO. M1.29

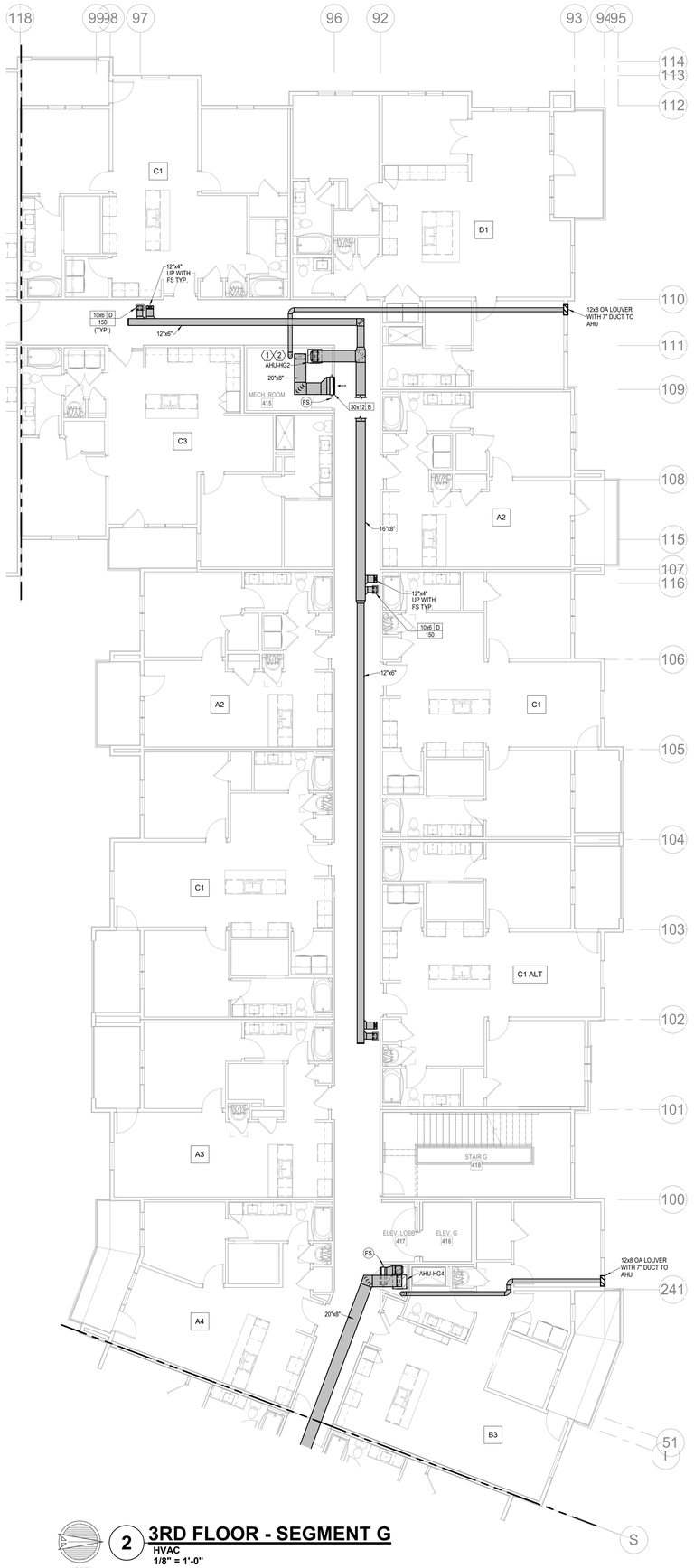
8/1/2023 2:20:01 PM

ARCH E1.30" x 42"



1 **2ND FLOOR - SEGMENT G**
HVAC
1/8" = 1'-0"

NORTH



2 **3RD FLOOR - SEGMENT G**
HVAC
1/8" = 1'-0"

NORTH

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
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4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

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NUMBER A-2007018744
PROFESSIONAL ENGINEER
03/15/2023

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TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

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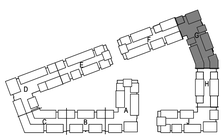

KEY PLAN

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Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
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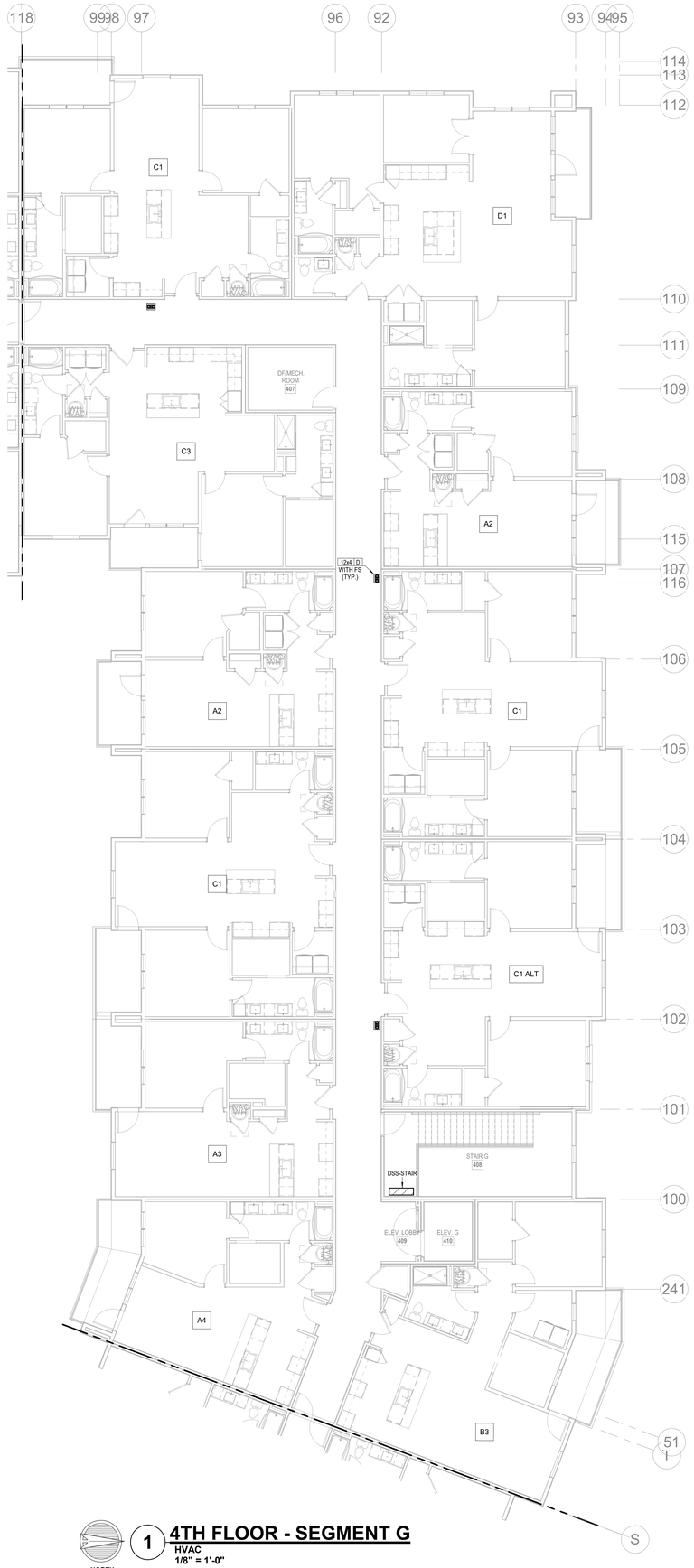
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB.NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT G - 2ND & 3RD FLOOR - HVAC
SHEET NO. M1.30

4/13/2023 9:09:23 PM

ARCH E1.30" x 42"

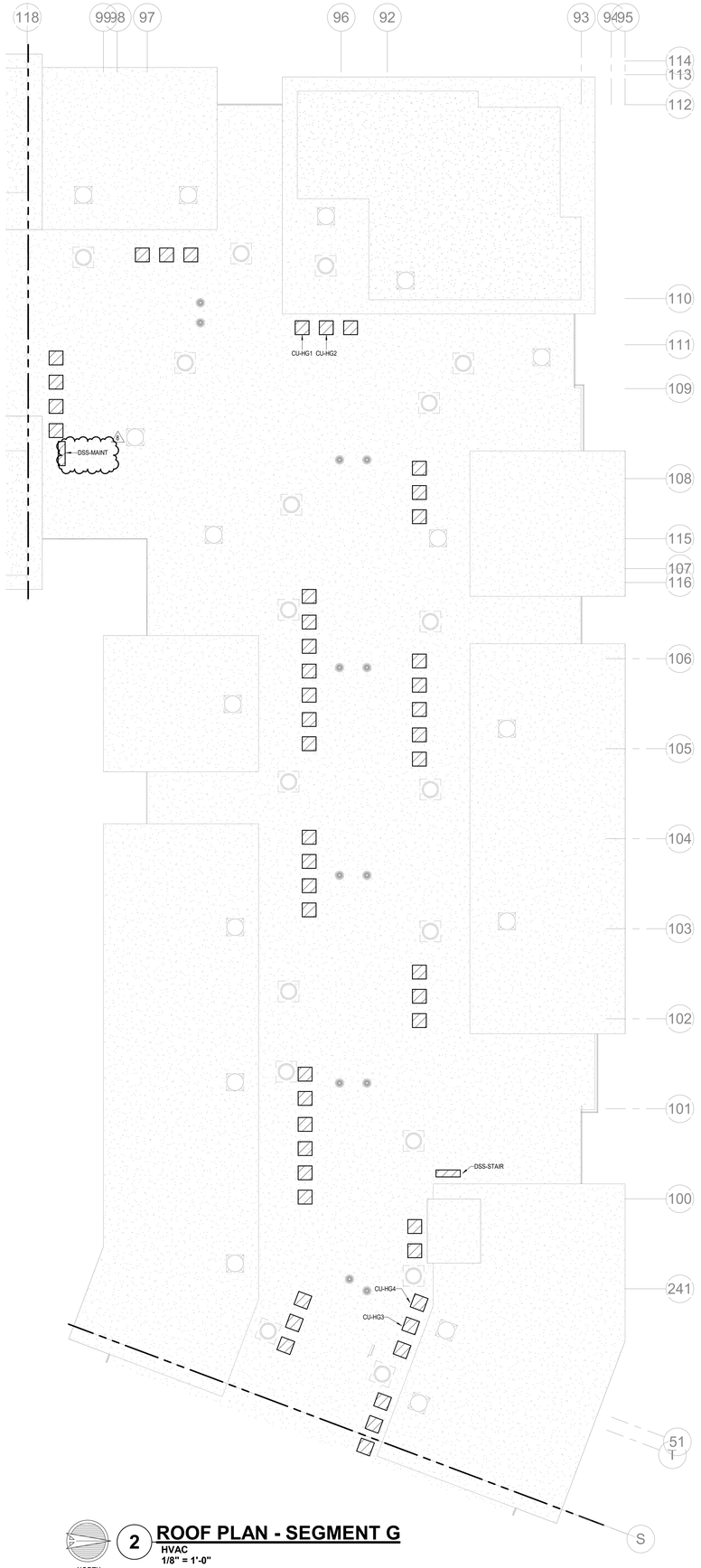


NORTH

1 4TH FLOOR - SEGMENT G

HVAC

1/8" = 1'-0"



NORTH

2 ROOF PLAN - SEGMENT G

HVAC

1/8" = 1'-0"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
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4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

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

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES

NSPJ ARCHITECTS, Inc.
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NUMBER
PROFESSIONAL ENGINEER

6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

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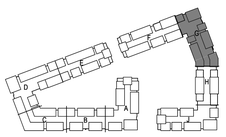
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

△REVISIONS
1 23-08-11 ASI 4

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD

5/17/2023
CITY COMMENTS #3

SHEET NAME
SEGMENT G - 4TH FLOOR & ROOF PLAN - HVAC

SHEET NO.
M1.31

LS&A
Lattimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
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8628 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

8/10/2023 2:20:05 PM

ARCH E1.30" x 42"

NOTES:
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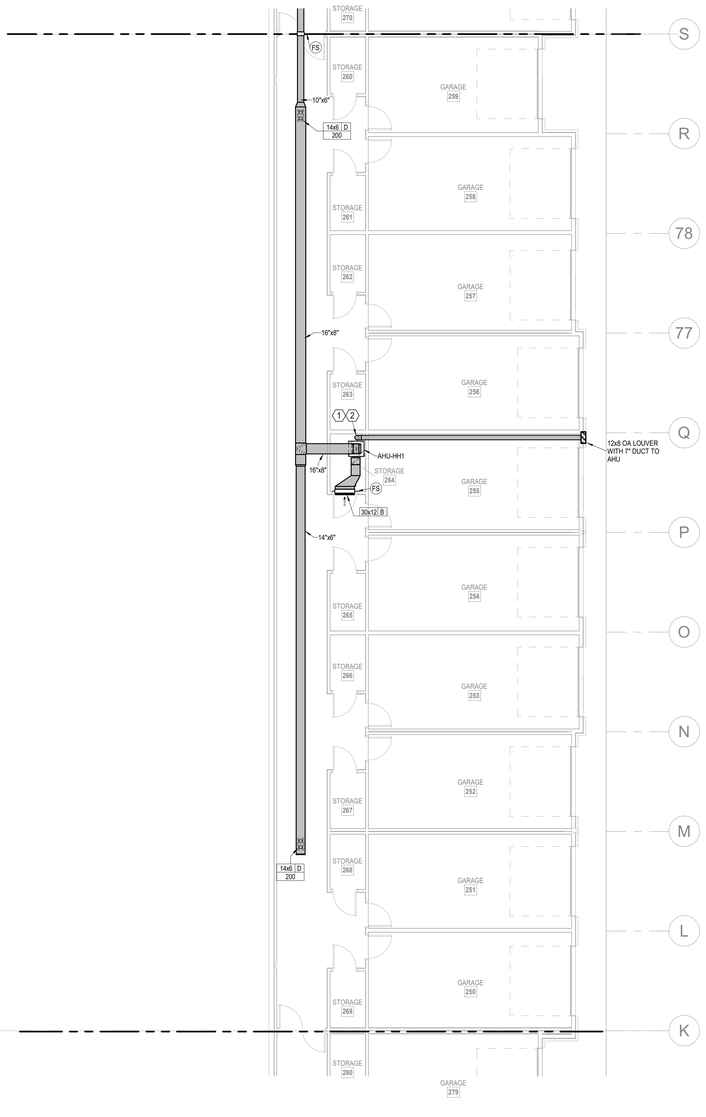

NORTH

1 1ST FLOOR - SEGMENT H

HVAC

1/8" = 1'-0"

NORTH

2 BASEMENT - SEGMENT H

HVAC

1/8" = 1'-0"

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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

03/15/2023

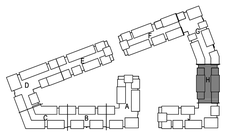
A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



NORTH

KEY PLAN

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS

SHEET NAME
SEGMENT H - BASEMENT & 1ST FLOOR - HVAC

SHEET NO.
M1.32

4/13/2023 9:05:29 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. ALL INDIVIDUAL BRANCH DUCTS ARE THE SIZE OF THE DIFFUSER NECK LISTED AND HAVE A MANUAL BALANCING DAMPER WHERE NOT INTEGRAL WITH THE DIFFUSER.
3. SEE THE ARCHITECTURAL, LIGHTING AND STRUCTURAL DRAWINGS FOR CLEARANCES.
4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES.
5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT.
6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

1 **3RD FLOOR - SEGMENT H**
HVAC
1/8" = 1'-0"
NORTH

2 **2ND FLOOR - SEGMENT H**
HVAC
1/8" = 1'-0"
NORTH

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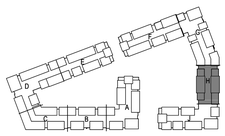

NORTH
KEY PLAN

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023
CITY COMMENTS
SHEET NAME
SEGMENT H - 2ND & 3RD FLOOR - HVAC
SHEET NO.
M1.33

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LSA PROJECT NO. 2204061

4/3/2023 9:09:31 PM

ARCH E1.30" x 42"

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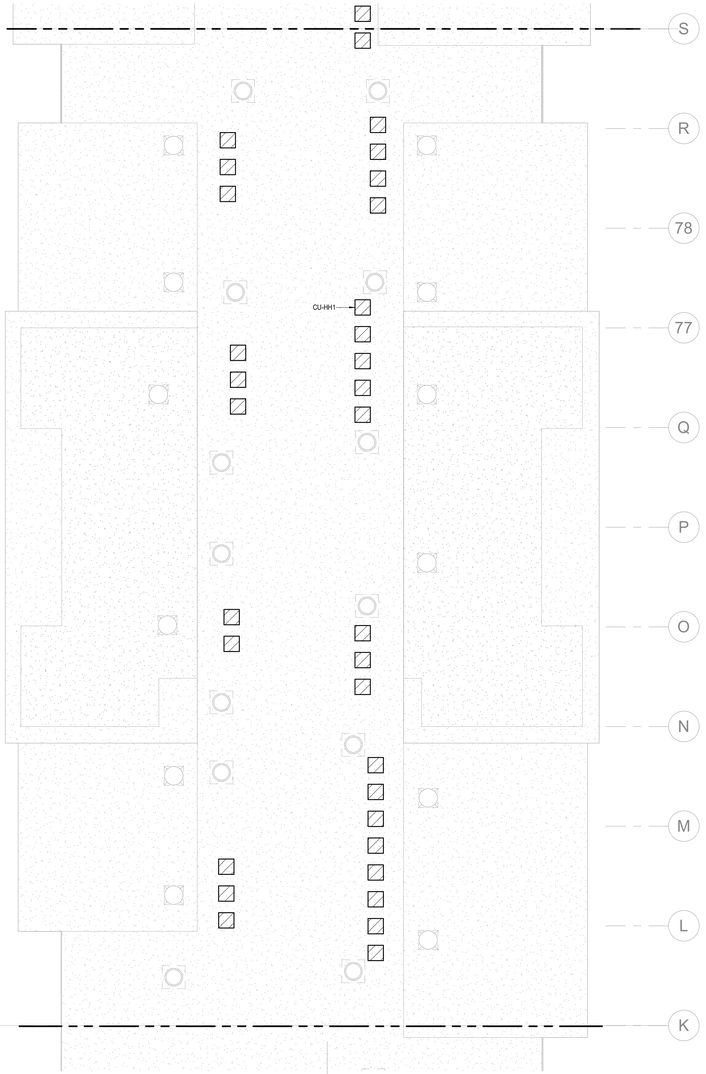

NORTH

1 ROOF PLAN - SEGMENT H

HVAC
1/8" = 1'-0"

NORTH

2 4TH FLOOR - SEGMENT H

HVAC
1/8" = 1'-0"

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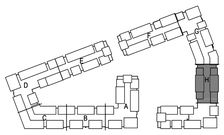

NORTH

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT H - 4TH FLOOR & ROOF PLAN - HVAC
SHEET NO. M1.34

4/13/2023 9:09:33 PM

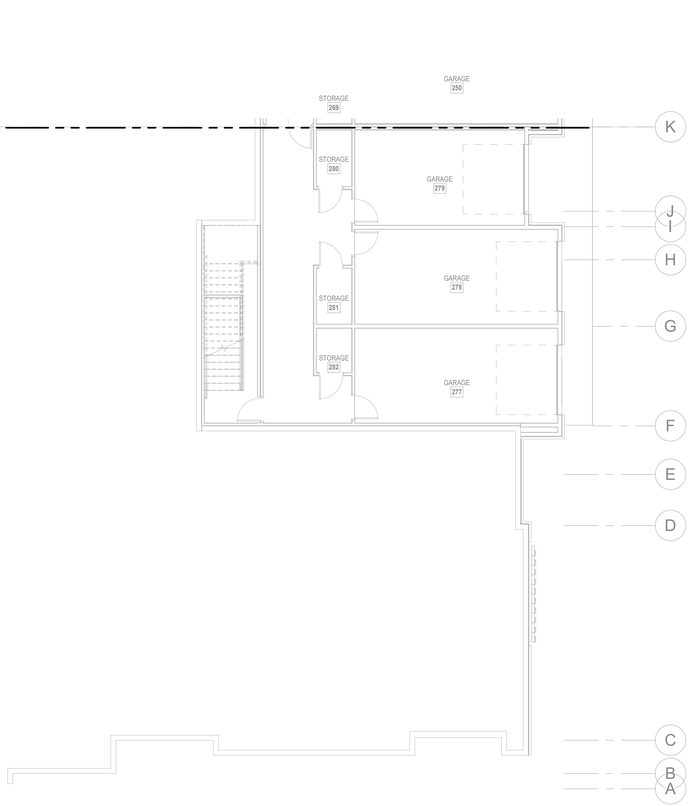
ARCH E1.35" x 42"

NORTH

1 1ST FLOOR - SEGMENT J

HVAC

1/8" = 1'-0"



NORTH

2 BASEMENT - SEGMENT J

HVAC

1/8" = 1'-0"

NOTES:

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LEGEND:

(1) AUTO DAMPER IN OA DUCT. SEE DETAIL FOR MODEL.

(2) PROVIDE CEILING RADIATION DAMPER AT RATED MEMBRANE CEILING.

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6/9/2023

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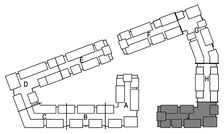

NORTH

KEY PLAN

NO SCALE

△ REVISIONS
1 23-08-11 ASI 4

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD

5/17/2023
CITY COMMENTS #3

SHEET NAME
SEGMENT J - BASEMENT & 1ST FLOOR - HVAC

SHEET NO.
M1.35

8/10/2023 2:20:06 PM

ARCH E1.30" x 42"

NOTES:
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NORTH

1 2ND FLOOR - SEGMENT J

HVAC

1/8" = 1'-0"

NORTH

2 3RD FLOOR - SEGMENT J

HVAC

1/8" = 1'-0"

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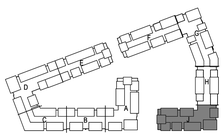

NORTH

KEY PLAN

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JOB NO. 705921
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4/11/2023
CITY COMMENTS

SHEET NAME
SEGMENT J - 2ND & 3RD FLOOR - HVAC

SHEET NO.
M1.36

4/13/2023 9:09:40 PM

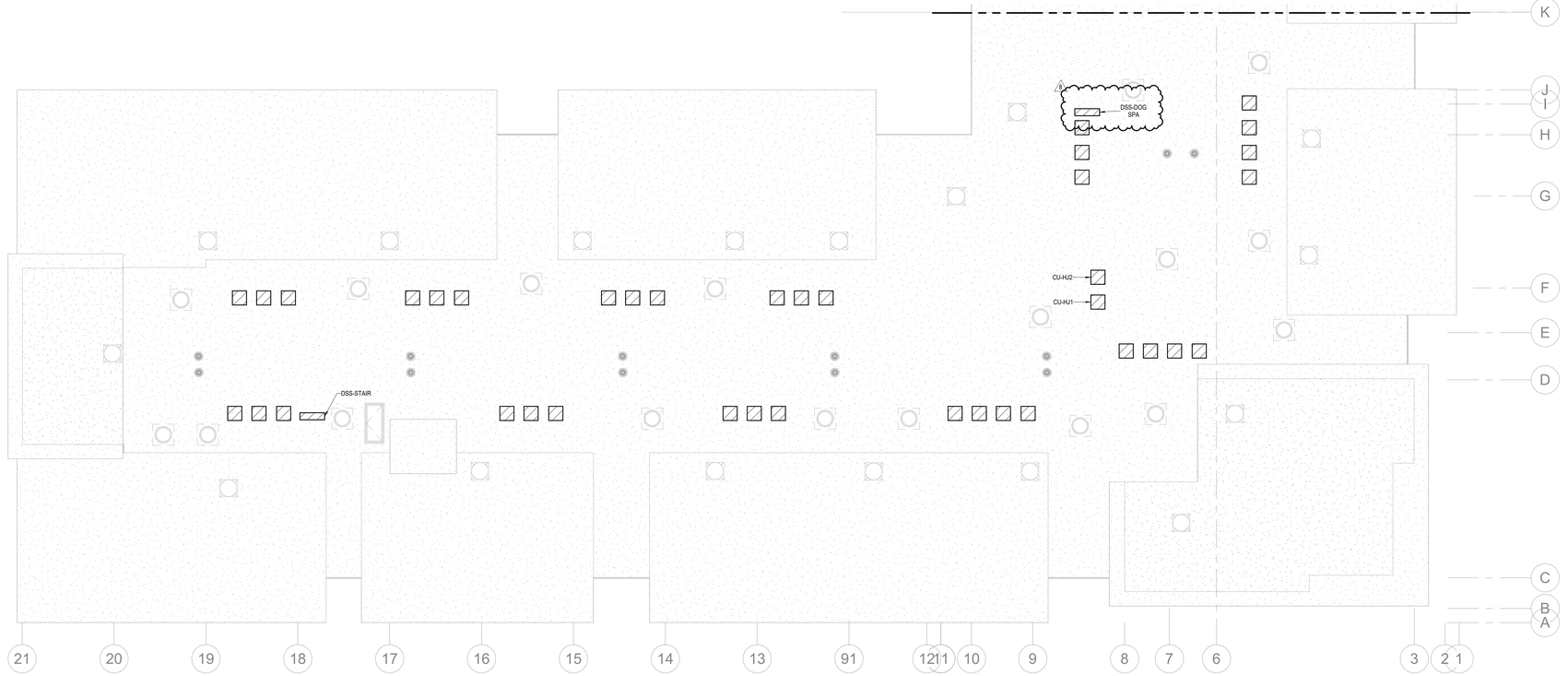
ARCH E1.30" x 42"

NORTH

1 4TH FLOOR - SEGMENT J

HVAC

1/8" = 1'-0"



NORTH

2 ROOF PLAN - SEGMENT J

HVAC

1/8" = 1'-0"

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

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LANDSCAPE ARCHITECTURE
ENERGY SERVICES
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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

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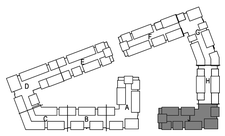
1 23-08-11 ASI 4



NORTH

KEY PLAN

NO SCALE

LS&A
Lattimer Sommers & Associates P.A.
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8625 College Boulevard, Suite 103
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD

5/17/2023
CITY COMMENTS #3

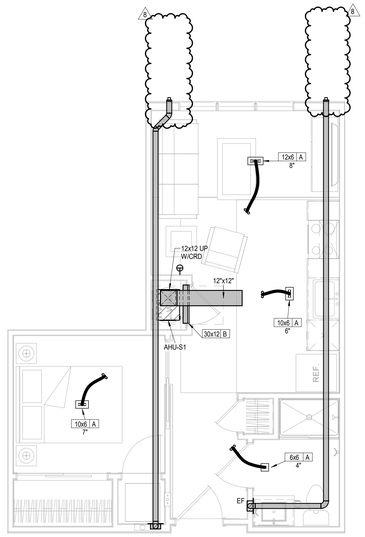
SHEET NAME
SEGMENT J - 4TH FLOOR & ROOF PLAN - HVAC

SHEET NO.
M1.37

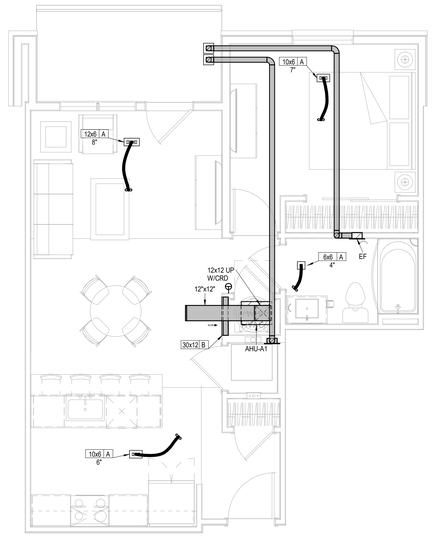
8/10/2023 2:20:07 PM

ARCH E1.30" x 42"

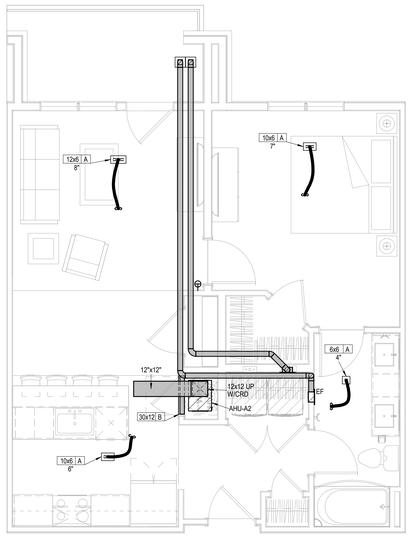
UNIT MECHANICAL NOTES:	
1.	ALL TYPE "A" SUPPLY REGISTERS HAVE A UL555C CEILING RADIATION DAMPER UNLESS NOTED OTHERWISE. PROVIDE CRD UNLESS NOTED OTHERWISE AT AHU DISCHARGE AND RATED MEMBRANE.
2.	PROVIDE MANUFACTURER REQUIRED CLEARANCES FOR AHU'S AND WATER HEATERS.
3.	ALL CONDENSING UNITS ARE ROOF MOUNTED.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



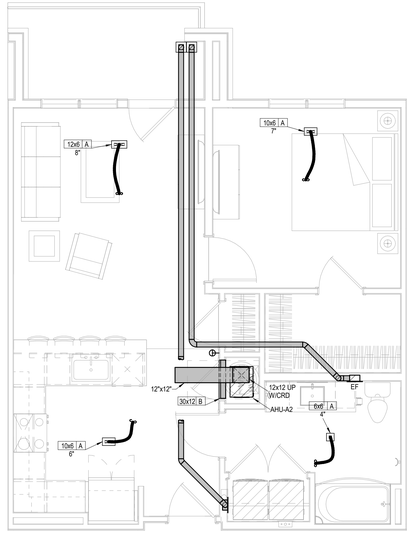
1 UNIT S1
HVAC
1/4" = 1'-0"



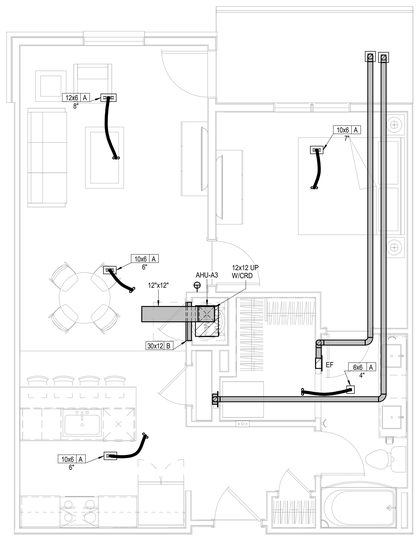
2 UNIT A1
HVAC
1/4" = 1'-0"



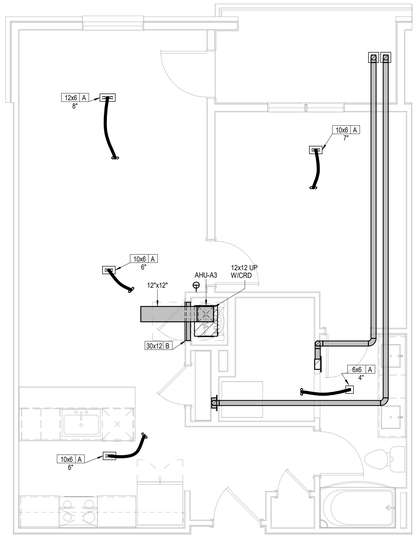
3 UNIT A2
HVAC
1/4" = 1'-0"



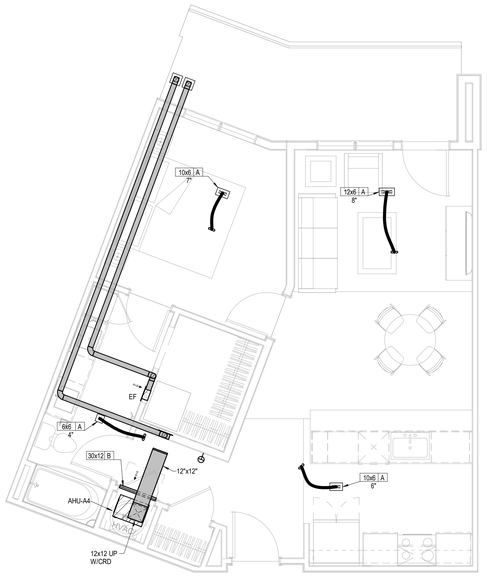
4 UNIT A2 TYPE A
HVAC
1/4" = 1'-0"



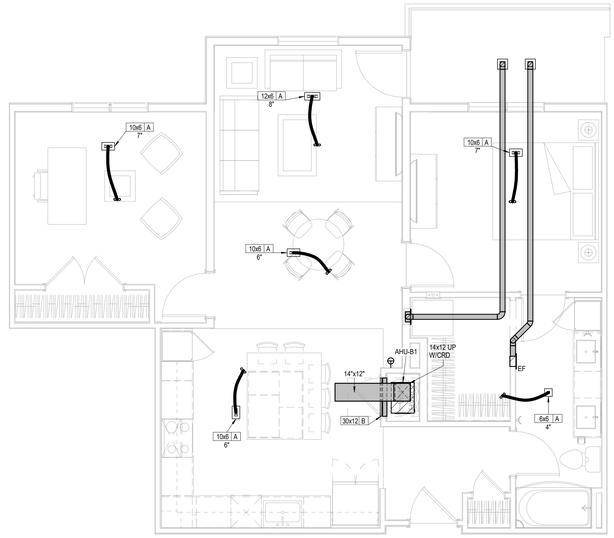
5 UNIT A3
HVAC
1/4" = 1'-0"



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



7 UNIT A4
HVAC
1/4" = 1'-0"



8 UNIT B1
HVAC
1/4" = 1'-0"

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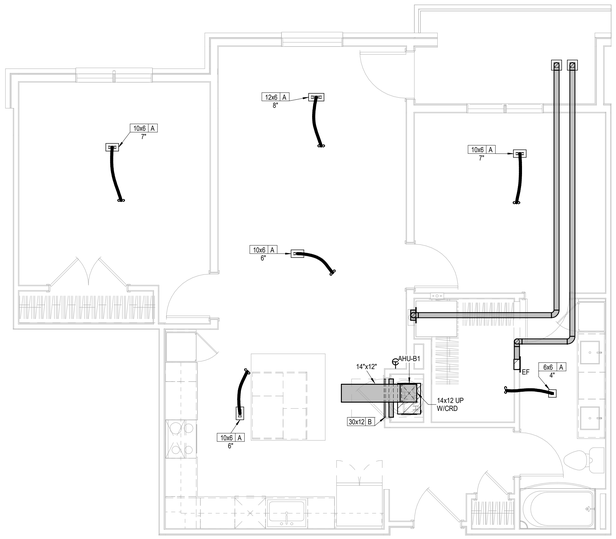
LSA PROJECT NO. 2204061

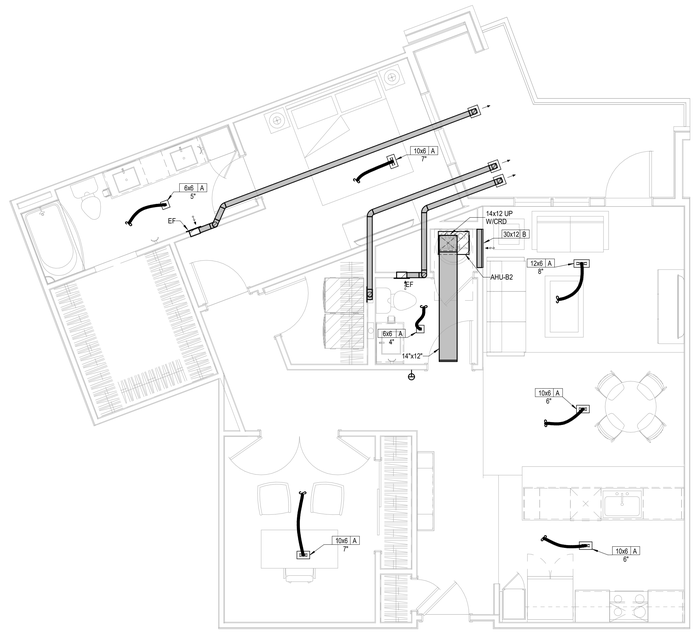
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - HVAC
SHEET NO. M2.01

8/10/2023 2:20:19 PM

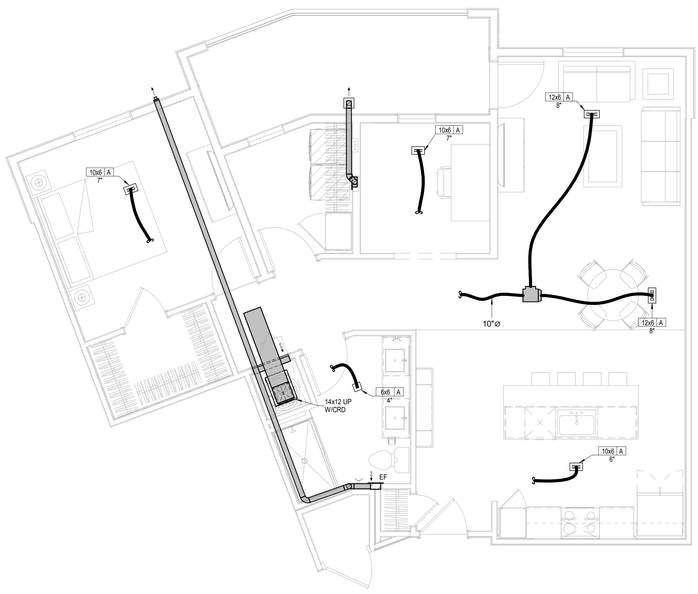
ARCH E1.30" x 42"



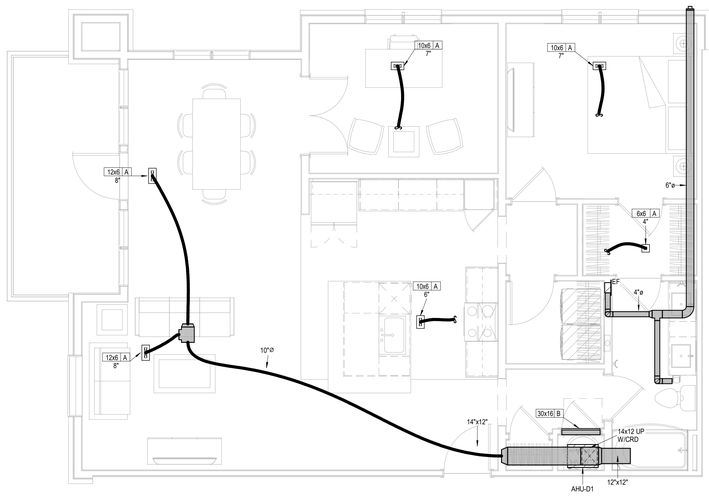
1 UNIT B1 ALT
HVAC
1/4" = 1'-0"



2 UNIT B2
HVAC
1/4" = 1'-0"



3 UNIT B3
HVAC
1/4" = 1'-0"



4 UNIT B4
HVAC
1/4" = 1'-0"

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

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RICHARD R. BEARDMORE
NUMBER A-2007018766
PROFESSIONAL ENGINEER
03/15/2023

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800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

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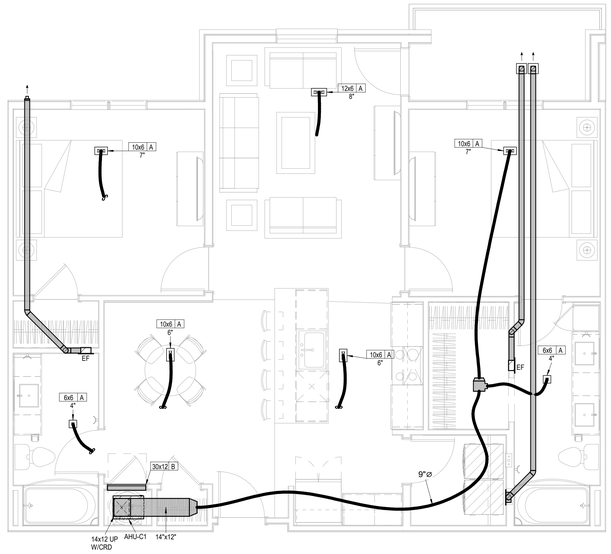
LSA PROJECT NO. 2204061

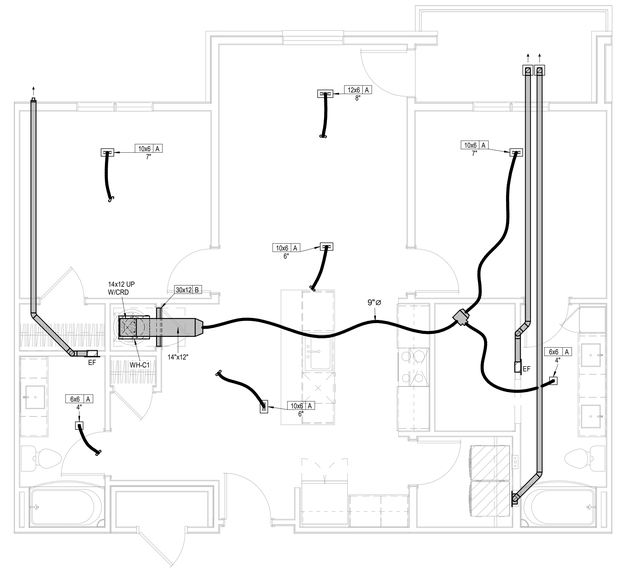
JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME UNIT PLANS - HVAC
SHEET NO. M2.02

4/13/2023 5:09:52 PM

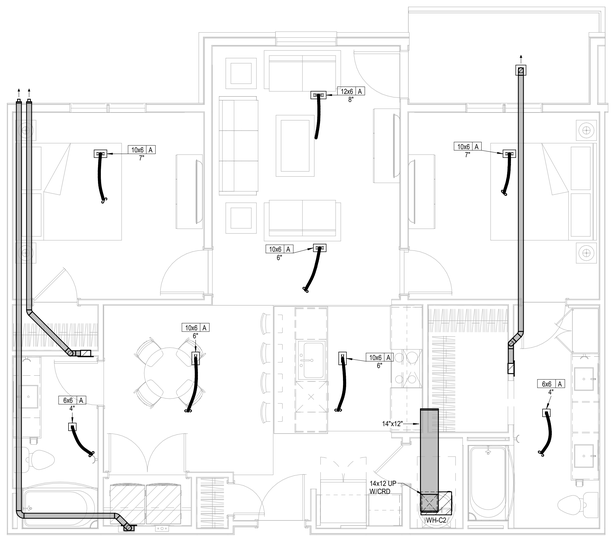
ARCH E1.30" x 42"



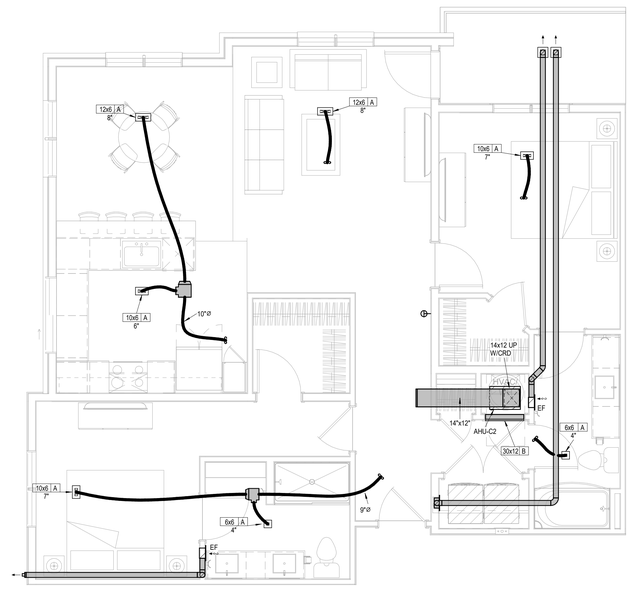
1 UNIT C1
HVAC
1/4" = 1'-0"
C1 ALT SIMILAR



3 UNIT C1 ALT 2
HVAC
1/4" = 1'-0"



4 UNIT C1 TYPE A
HVAC
1/4" = 1'-0"



5 UNIT C2
HVAC
1/4" = 1'-0"

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

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
03/15/2023

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DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

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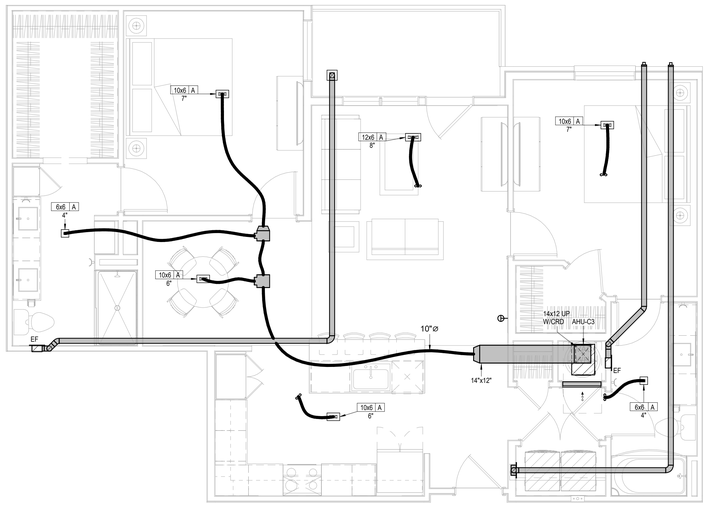
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

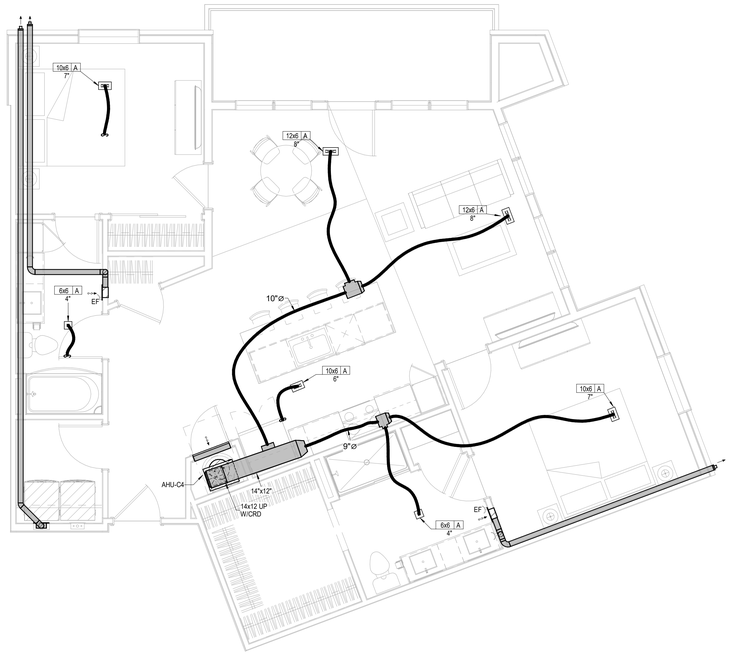
JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME UNIT PLANS - HVAC
SHEET NO. M2.03

4/13/2023 5:05:56 PM

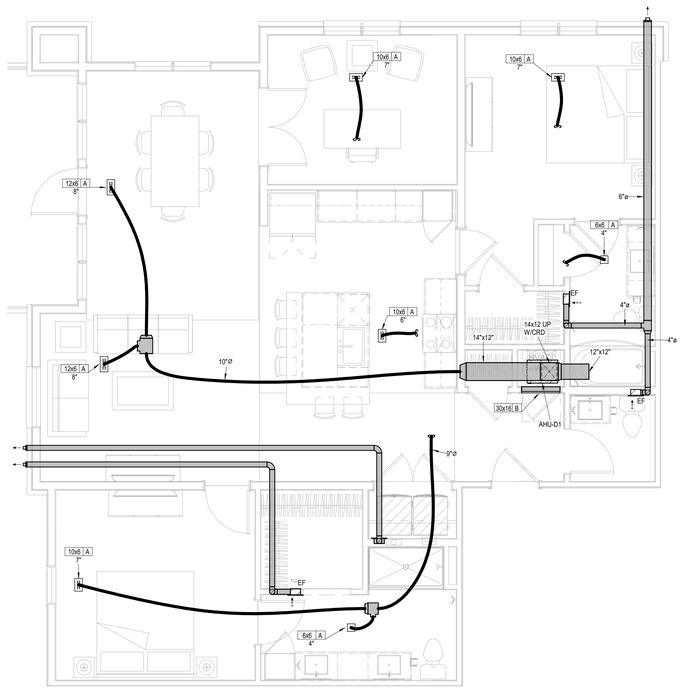
ARCH E1.30" x 42"



1 **UNIT C3**
HVAC
1/4" = 1'-0"



2 **UNIT C4**
HVAC
1/4" = 1'-0"



3 **UNIT D1**
HVAC
1/4" = 1'-0"
D1 ALT 2 SIMILAR

UNIT MECHANICAL NOTES:	
1.	ALL TYPE "A" SUPPLY REGISTERS HAVE A UL555C CEILING RADIATION DAMPER UNLESS NOTED OTHERWISE. PROVIDE CRD UNLESS NOTED 0THERWISE AT AHU DISCHARGE AND RATED MEMBRANE.
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PROFESSIONAL ENGINEER
03/15/2023

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME UNIT PLANS - HVAC
SHEET NO. M2.04

4/13/2023 5:05:59 PM

ARCH E1.30" x 42"

UNIT MECHANICAL 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.
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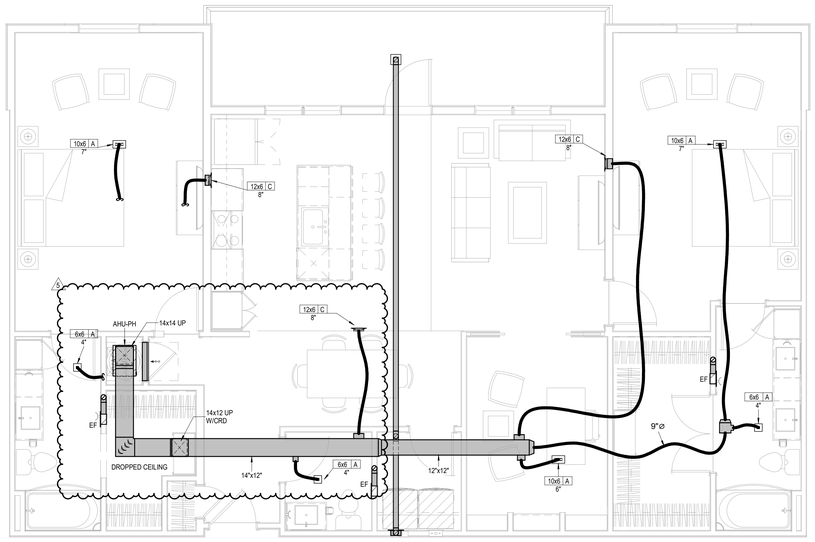
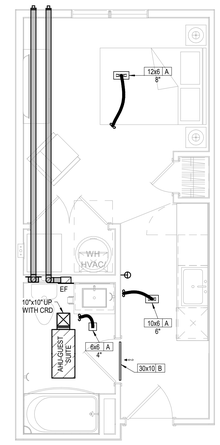


1 PENTHOUSE
HVAC
1/4" = 1'-0"



2 UNIT - GUEST SUITE
HVAC
1/4" = 1'-0"

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6/9/2023

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5 23-06-09 ASI 1

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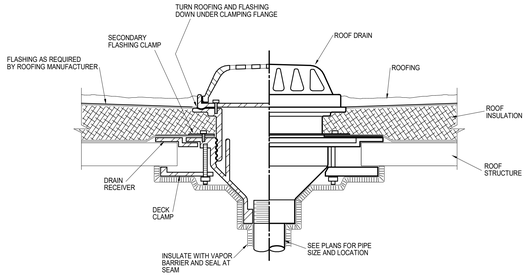
LSA PROJECT NO. 2204061

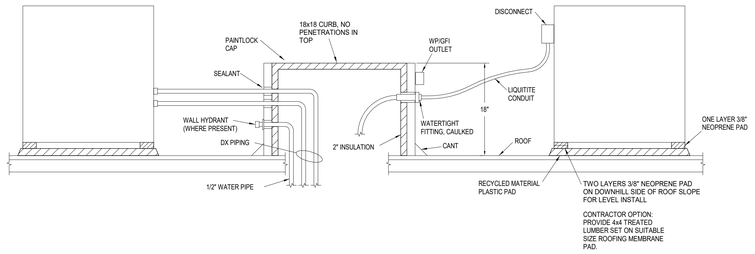
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - HVAC
SHEET NO. M2.05

6/12/2023 5:48:16 PM

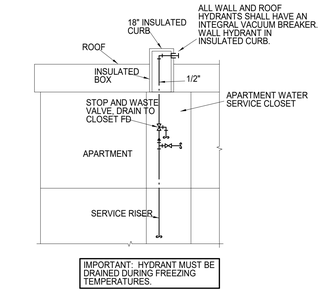
ARCH E1.30" x 42"



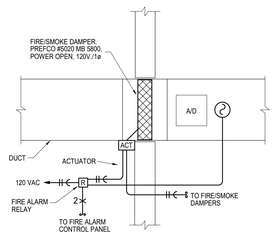
1 ROOF DRAIN DETAIL
NOT TO SCALE



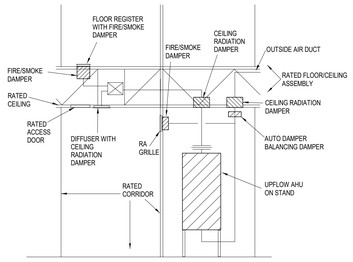
2 ROOF MOUNTED CONDENSING UNIT DETAIL
NOT TO SCALE



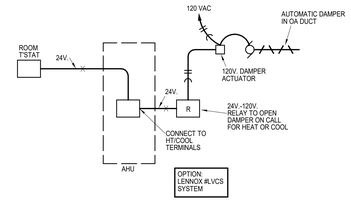
3 ROOF WATER HYDRANT DETAIL
NOT TO SCALE



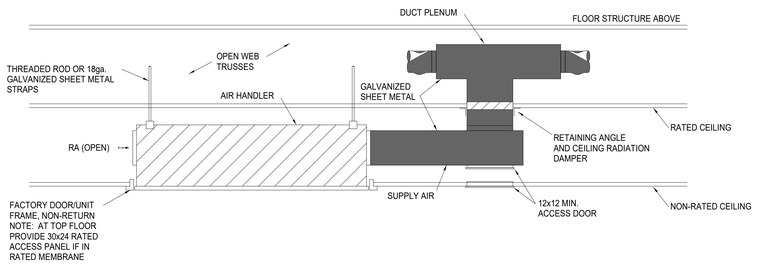
4 FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE



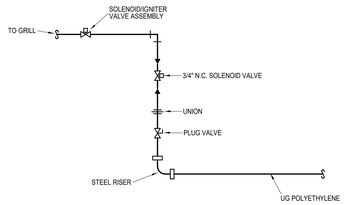
5 CORRIDOR AHU DETAIL
NOT TO SCALE



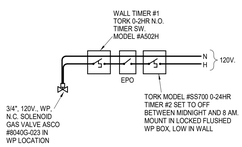
6 OUTSIDE AIR DAMPER CONTROL SCHEMATIC HVAC
NOT TO SCALE



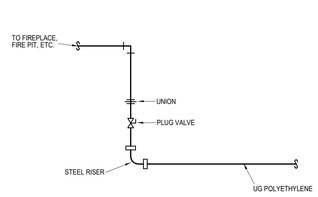
7 RECESSED LOW PROFILE AHU
NOT TO SCALE



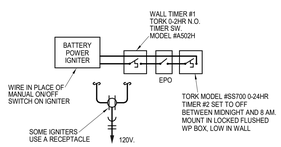
PIPING SCHEMATIC



CONTROL SCHEMATIC
(GRILL)

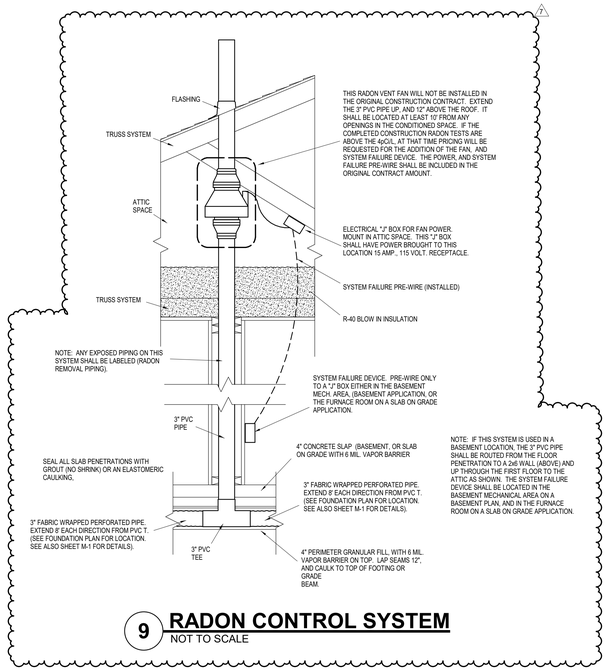


PIPING SCHEMATIC



CONTROL SCHEMATIC
(FIRE PIT)

8 GAS GRILL/FIRE PIT DETAIL
NOT TO SCALE



9 RADON CONTROL SYSTEM
NOT TO SCALE

NSPJ
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ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES

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7 23-07-13 ASI 3

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SHEET NAME MECHANICAL DETAILS
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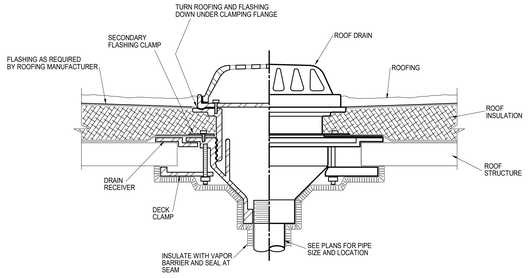
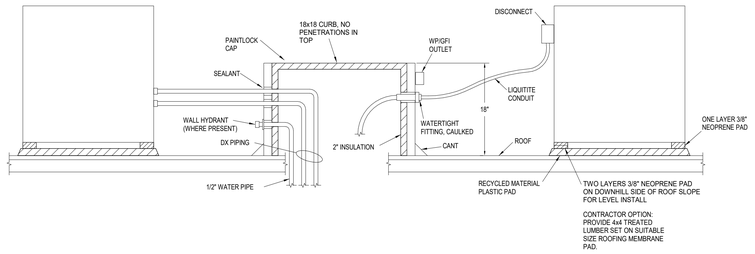
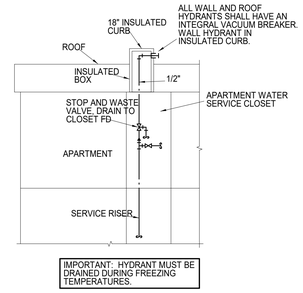
ARCH E1.30" x 42"



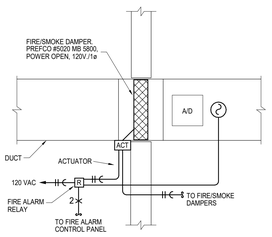
1 ROOF DRAIN DETAIL
NOT TO SCALE



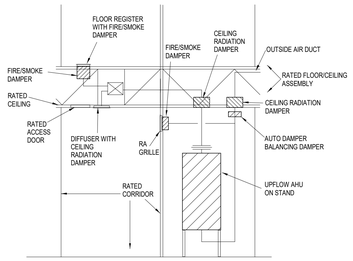
2 ROOF MOUNTED CONDENSING UNIT DETAIL
NOT TO SCALE



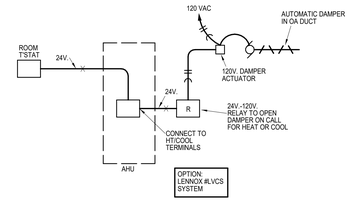
3 ROOF WATER HYDRANT DETAIL
NOT TO SCALE



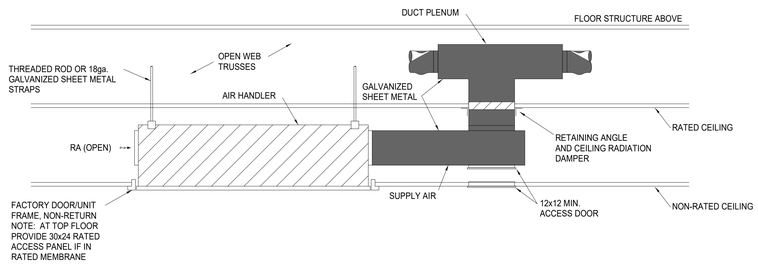
4 FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE



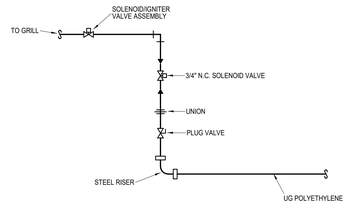
5 CORRIDOR AHU DETAIL
NOT TO SCALE



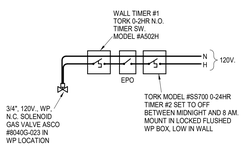
6 OUTSIDE AIR DAMPER CONTROL SCHEMATIC HVAC
NOT TO SCALE



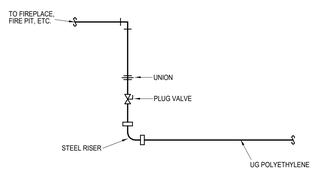
7 RECESSED LOW PROFILE AHU
NOT TO SCALE



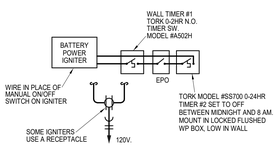
PIPING SCHEMATIC



CONTROL SCHEMATIC
(GRILL)



PIPING SCHEMATIC



CONTROL SCHEMATIC
(FIRE PIT)

8 GAS GRILL/FIRE PIT DETAIL
NOT TO SCALE

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010035744
PROFESSIONAL ENGINEER
03/15/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME MECHANICAL DETAILS
SHEET NO. MP1.02

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ARCH E1 30" x 42"

PREFCO
JOHNSONTECH AIR CONTROL INC.

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

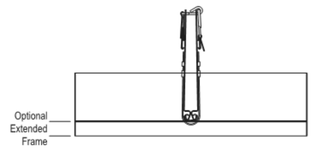
Filename: Prefco Submittal 5680 Rev 27/12/14

Application

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

Standard Construction

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



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

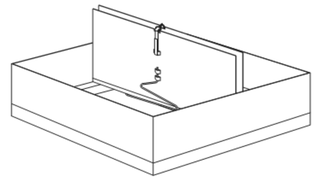
NOTES:
- Dampers are fabricated 3/16" under ordered diameter for clearance
- Approved for use in any UL Fire Resistance Directory Series Designs
- For 2 hour rating, refer to Model 5660

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

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

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

High Free Area Design
Optional Volume Control Device (5965)

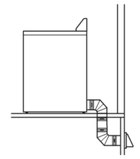


A dim. is always width of blades

TOP LOAD DRYER

Special provisions for mobile home installations:

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



Determine vent path:

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

Determine vent length and elbows needed for best drying performance:

- Use following "Vent System Chart" to determine type of vent material and hood combinations acceptable to use.
  NOTE: Do not use vent runs longer than those specified in "Vent System Chart." Exhaust systems longer than those specified will:
  - Shorten life of dryer.
  - Reduce performance, resulting in longer drying times and increased energy usage.

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

Vent System Chart

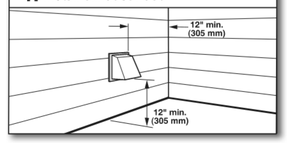
Number of 90° turns or elbows	Type of vent	Box/louvered hoods	Angled hoods
0	Rigid metal	64 ft. (20 m)	58 ft. (17.7 m)
1	Rigid metal	54 ft. (16.5 m)	48 ft. (14.6 m)
2	Rigid metal	44 ft. (13.4 m)	38 ft. (11.6 m)
3	Rigid metal	35 ft. (10.7 m)	29 ft. (8.8 m)
4	Rigid metal	27 ft. (8.2 m)	21 ft. (6.4 m)

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

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

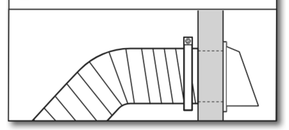
INSTALL VENT SYSTEM

1. Install exhaust hood



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

2. Connect vent to exhaust hood



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

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ARCH E1.30" x 42"

HVAC SYSTEM SCHEDULE

			AHU											OUTDOOR UNIT					
MARK	MFGR	NOM TON	MODEL	CFM	OA CFM	E.S.P.	HP	SMBH	TMBH	HEAT CAP	ELEC	FLA	OCP	MODEL	ELEC	FLA	OCP	SEER	NOTES
APARTMENTS																			
S1, A1	GOODMAN	1 1/2	AWUF1908C14	600		0.5	0.2	12.4	17.4	3.7 KW	208/1	20	30	GSXN3N18	208/1	9	15	14.0	
A2, A3, A4	GOODMAN	1 1/2	AWUF1908C14	600		0.5	0.2	12.4	17.4	5.6 KW	208/1	31	40	GSXN3N18	208/1	9	15	14.0	
B1, B2, B3, C1, C3	GOODMAN	2	AWUF2408C14	750		0.5	0.2	17.2	22.8	5.6 KW	208/1	31	40	GSXN3N24	208/1	12	15	14.0	
B4, C2, C4	GOODMAN	2 1/2	AWUF3010	950		0.5	0.33	21	28.8	7.5 KW	208/1	39	50	GSXN3N30	208/1	17	25	14.0	
D1, PH	GOODMAN	3	AWUF3610	1200		0.5	0.33	24.7	33	7.5 KW	208/1	39	50	GSXN3N36	208/1	20	30	14.0	
COMMON AREAS																			
HH1	GOODMAN	1.5	ARUF25B14	600-750	110	0.3	0.25	13.5	17.8	6 KW	208/1	31	40	GSXN3-0181	208/1	6.7	15	14.0	
HB4, HB5, HC1, HC2, HG1, HG2, HG3, HG4	GOODMAN	2	ARUF25B14	800-975	120	0.4	0.33	16.9	23.0	7.2 KW	208/1	37	50	GSXN3-0241	208/1	8.4	15	14.0	
HA1	GOODMAN	2.5	ARUF31B14	1000-1100	130	0.4	0.33	21.0	28.2	7.2 KW	208/1	37	50	GSXN3-0301	208/1	13.8	25	14.0	
HB1, HB2, HB3, HB6, HE1, HE2, HJ2	GOODMAN	3	ARUF-37C14	1100-1350	160	0.5	0.5	25.8	33.0	7.5 KW	208/1	40	50	GSXN3-037	208/1	15	30	14.0	
HA2, HB7, HD1, HD2, HF1, HF2, HJ1	GOODMAN	4	ARUF47D14	1400-1600	250	0.4	0.5	32	45	10.8 KW	208/1	55	70	GSXN3-0481	208/1	21.2	45	14.0	
GUEST SUITE	GOODMAN	1.5	ACNF180016	600		0.5	0.2	12.3	16.4	4.3 KW	208/1	25	30	GSXN3-0181	208/1	6.7	15	14.0	
DSS-IT	FUJITSU	1.5	ASU18RLF	540	0	0			18	21 MBH	208/1	W/HP		AOU18RXLFW1	208-240/1	13	25	19	WALL STAT, LOW AMB
DSS-STAIR/MAINT/GOLF/DOG SPA	FUJITSU	2	ASU24RLF	700	0	0			22	25 MBH	208/1	W/HP		AOU24RXLFW1	208-240/1	15.5	25	19	WALL STAT, LOW AMB

8

COOLING EAT = 80/67/95
PROVIDE EACH UNIT WITH FILTER AND RACK, SINGLE POINT BREAKER, T'STAT. SEE SPECS.
UNLESS OTHERWISE SHOWN, TSTAT IS INSTALLED BEHIND RETURN AIR GRILL.

ELECTRIC UNIT HEATER SCHEDULE

						ELECTRICAL				
MARK	MFGR	MODEL	KW	MBH	CFM	VOLTS/ PH	FLA	OCP	WIRING	CONFIGURATION - NOTES
EUH - A	QMARK	AWH4404	3.0	10.2	100	208/1	14.4	20	(3) #12	WALL, 1, 2, 4
EUH - B	QMARK	MWUH7504	3.8	17.0	270	208/1	18	25	(3) #10	SUSPENDED, 4
EUH-C	QMARK	MWUH7504	5.6	25.5	270	208/1	27	35	(2) #8, (1) #10	SUSPENDED, 4
EUH - D	BERKO	SRC-1512	1.5	5.1	65	120/1	12	20	(3) #12	CEILING, 1, 4, 5

NOTES:
1-SURFACE MOUNTED
2-NO EXPOSED CONTROL KNOBS
3-FULLY RECESSED
4-DISCONNECT
5-WALL T'STAT - HONEYWELL T3000

WATER HEATER SCHEDULE

MARK	MFGR	MODEL	FUEL	VOLTAGE/PH/ AMPS	INPUT	EFFICIENCY/ PF	GALLONS STORAGE	GPH RECOVERY @ 80° RISE	FLUE TYPE	EXPANSION	CIRCULATOR GPM/HD	NOTES
WH-C3	A.O. SMITH	EMT-1.0	ELEC	120/1/13	1.4 KW	N/A	1	7	N/A	RELIEF V.		1, 2
WH-C1, C2, M	A.O. SMITH	ENJ-40	ELEC	208/1/19	4.5 KW	0.95	35	23	N/A	RELIEF V.	5/15'	1, 2, 3
	A.O. SMITH	EJC-10	ELEC	120/1/14	1.5 KW	NA	9	7	N/A	RELIEF V.		1, 2
TYP APT, 1/3	A.O. SMITH	ENJ-40	ELEC	208/1/19	4.5 KW	0.95	35	23	N/A	RELIEF V.		1, 2

NOTES
1- PROVIDE ASME P&T VALVE, DRAIN VALVE
2- PROVIDE COMBINATION STOP AND OPERATING PRESSURE RELIEF VALVE
3- PROVIDE GRUNDFOS CIRCULATOR WITH BUILT-IN OR STRAP-ON T'STAT, 120 V, WITH ISOLATION AND CHECK VALVES

DRAIN SCHEDULE

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

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

EXHAUST FAN SCHEDULE

						ELECTRICAL				
MARK	MFGR	MODEL	CFM	ESP	FAN HP	VOLTS/ PH	FLA	OCP	WIRING	CONFIGURATION - NOTES
TYPICAL AMENTIY BATHROOM EF	GREENHECK	SP-A110	75	0.25	Fr.	120/1	1	15	(3) #12	ceiling, 1, 2
APT EF	BROAN	670	70	0.1	Fr.	120/1	1	15	(3) #12	wall 4
EF-1/1	GREENHECK	SQ-90-DGEX-QD	490	0.25	Fr.	120/1	1	15	(3) #12	2

NOTES:
1-CEILING GRILLE, CRD
2-BD DAMPER, DS, SPEED CONTROLLER, WALL/ROOF CAP
3-BD, CO/NO2 SENSING SYSTEM, BACK GUARD
4-HUMIDITY SENSING

AIR TERMINAL DEVICE SCHEDULE

MARK	MANUFACTURER	MODEL	FINISH	DAMPER	FRAME TYPE	NOTES
A	AIR MATE	A190	WHITE	YES	GYP BD	
B	AIR MATE	170	WHITE	NO	GYP BD	
B1	AIR MATE	170	WHITE	YES	GYP BD	
C	AIR MATE	240 VO	WHITE	YES	GYP/WALL	
D	PRICE	620DAL/N/L/A/B12	WHITE	YES	GYP. BD.	W/CRD
E	PRICE	635DAL/L/A/B12	WHITE	YES	GYP. BD.	
E1	PRICE	635DAL/L/A/B12	WHITE	YES	GYP. BD.	W/CRD
F	PRICE	LBP16B/1000/VCS3/A/SPL	MILL ALUM.	YES	GYP/WALL	

PLUMBING FIXTURE SCHEDULE

Mark	Item	Model	Description	Individual Connections				Accessories					
				W	V	CW	HW	Supplies	Stops	Carrier	P-Trap	Drain	Other
P-1	Water Closet, Tank Type - UNITS	SEE FINISH SCHEDULE ON SHEET A6.20 FOR SPEC	Floor-mounted standard height white vitreous china elongated bowl 1.6 gpf gravity type with Fluidmaster 400A flush mechanicsm and bolt covers. Provide solid plastic open front elongated white seat with integral bumpers, external check hinges with stainless steel posts.	3" or 4"	2"	1"		2					
P-1P	PUBLIC TOILET	SEE ID FOR SPEC		3" or 4"	2"	1"		2					
P-1HP	PUBLIC TOILET ADA	SEE ID FOR SPEC		3" or 4"	2"	1"		2					
P-2	Lavatory, Countertop	SEE FINISH SCHEDULE ON SHEET A6.20 FOR SPEC		2"	1 1/2" or 2"	1/2"	1/2"	2	1		1	1	
P-2P	PUBLIC LAVATORY	SEE ID FOR SPEC		2"	1 1/2" or 2"	1/2"	1/2"	2, 4	1		1	1	
P-3	Bathtub	SEE FINISH SCHEDULE ON SHEET A6.20 FOR SPEC		2"	2"	1/2"	1/2"				2		
P-3S	SHOWER PAN	SEE FINISH SCHEDULE ON SHEET A6.20 FOR SPEC		2"	2"	1/2"	1/2"				2		
P-4	Kitchen Sink	SEE FINISH SCHEDULE ON SHEET A6.20 FOR SPEC		2"	2"	1/2"	1/2"	1	1		2	2	
P-4P1	Kitchen Sink Break Room	SEE FINISH SCHEDULE ON SHEET A6.20 FOR SPEC		2"	2"	1/2"	1/2"	1	1		2	2	
P-4P2	Kitchen Sink Lobby	SEE FINISH SCHEDULE ON SHEET A6.20 FOR SPEC		2"	2"	1/2"	1/2"	1	1		2	2	
P-4P3	Kitchen Sink Lobby	SEE FINISH SCHEDULE ON SHEET A6.20 FOR SPEC		2"	2"	1/2"	1/2"	1	1		2	2	
P-5	Washer Box	Guy Gray #WB200HATM	Recessed non-metallic with dual PVC/ABS 2" outlets, two angle quarter turn stops with built-in shock absorbers.	2"	2"	1/2"	1/2"	1			3		
P-6	Water Outlet Box	Guy Gray #BIM877QTS	Recessed non-metallic with two angle quarter turn stops.			1/2"		1					
P-7	PUBLIC URINAL	SEE ID FOR SPEC		2"	2"	3/4"		3		1			
P-8	Janitor's Sink	Fiat #MSB-2424	24" x 24" x 10" white molded stone with stainless steel integral drain, chrome plated brass wall mounted faucet with VB, integral stops, adjustable wall brace, pail hook, 3/4" hose threaded spout and wall shileds.	2" or 3"	2"	1/2"	1/2"				2		2
P-9	Accessible Dual Height Water Cooler with Bottle Filler	Elkay #LZSTL8WS	ADA compliant dual bowl cooler. Provide front and side push bars, lead free, mounted with 27" knee clearance and spout no more than 36" AFF. Provide integral bottle filler.	2"	1 1/2" or 2"	1/2"	1/2"	2	1		1		1
P-10	PUBLIC KITCHEN SINK	SEE ID FOR SPEC		2"	2"	1/2"	1/2"	2	1		1		
P-11	Dog Wash	PET TUBS #PRD-58-4-R	58" long, 28" wide, 40" tall Polyethylene pet wash with ramp. Include with Accessory package.	2"	1 1/2" or 2"	1/2"	1/2"	2, 4	1	1	1	1	

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

Stops
1 - Angle handle compression

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

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

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

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

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5 23-06-09 ASI 1
8 23-08-11 ASI 4

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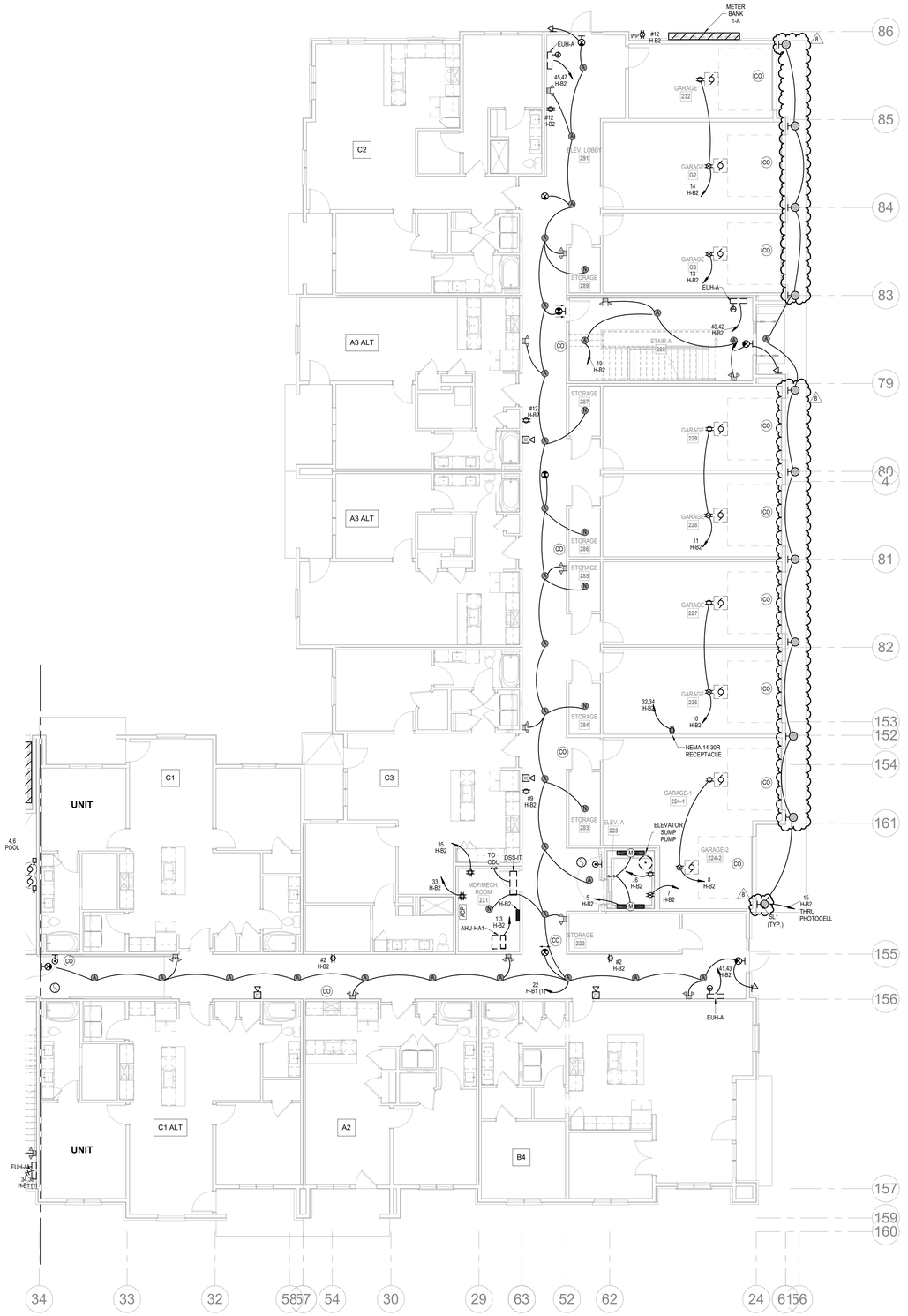
8/10/2023 2:20:27 PM

ARCH E1.50" x 42"



NORTH

1 1ST FLOOR - SEGMENT A

ELECTRICAL

1/8" = 1'-0"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNLESS NOTED OTHERWISE ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE ALL ▽ FIXTURES ARE TYPE X4 UNLESS NOTED OTHERWISE
11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.
14. GARAGE DOOR TO OPEN UPON CO DETECTION.

LEGEND:
(1) WP J.B. FOR RADON FAN

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ENERGY SERVICES
NSPJ ARCHITECTS
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

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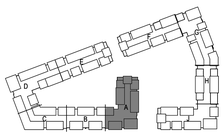
TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

REVISIONS

2	23 0428	ADD 1CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4

LS&A
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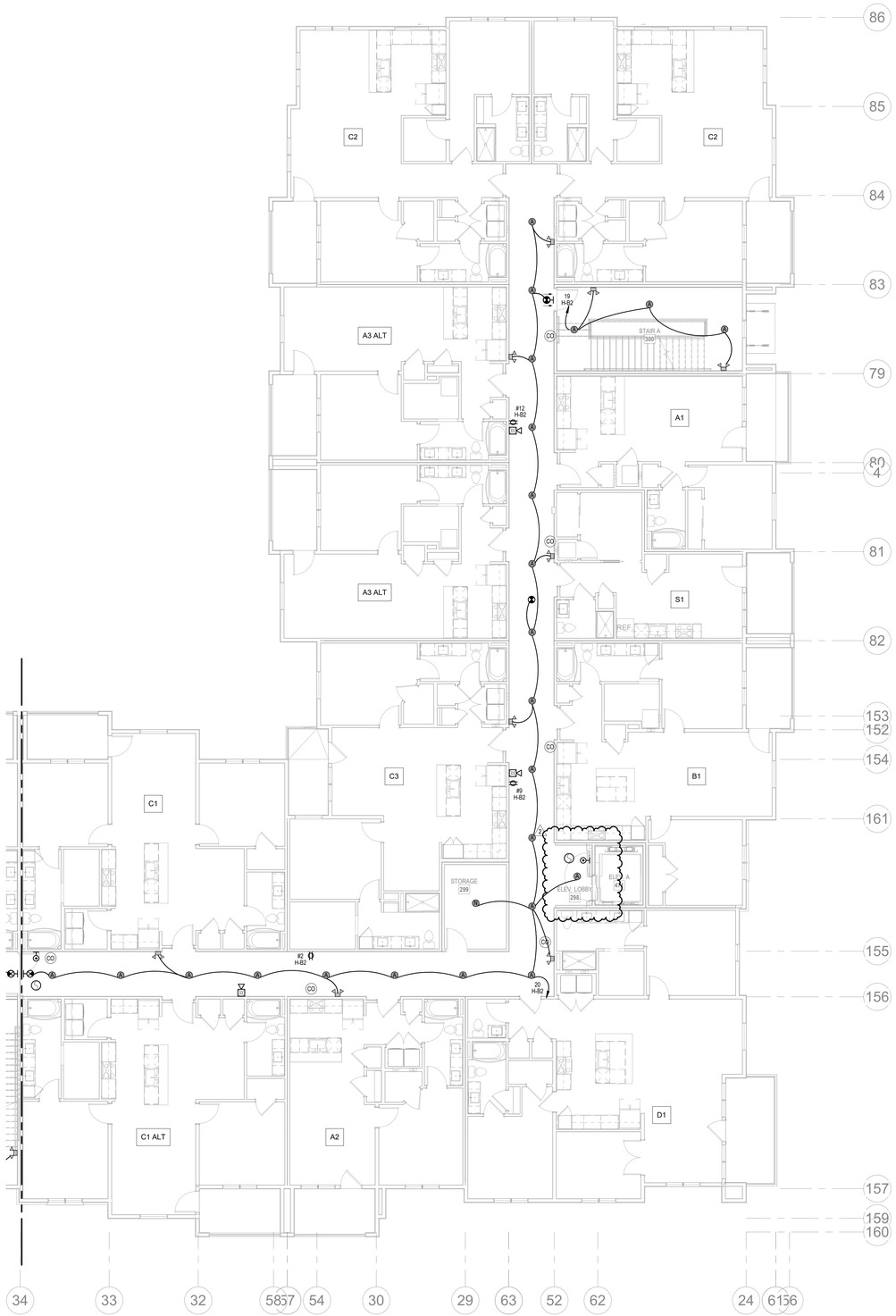
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT A - 1ST FLOOR - ELECTRICAL
SHEET NO. E1.01

8/10/2023 2:18:26 PM

ARCH E1.50" x 42"



1 **2ND FLOOR - SEGMENT A**
ELECTRICAL
1/8" = 1'-0"
NORTH

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
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7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
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12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.

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04/28/2023

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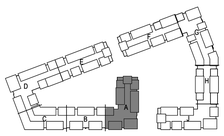

KEY PLAN
NO SCALE
NORTH

△ REVISIONS
2 23 0428 ADD 1/CC 2

JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT A - 2ND FLOOR - ELECTRICAL
SHEET NO. E1.02

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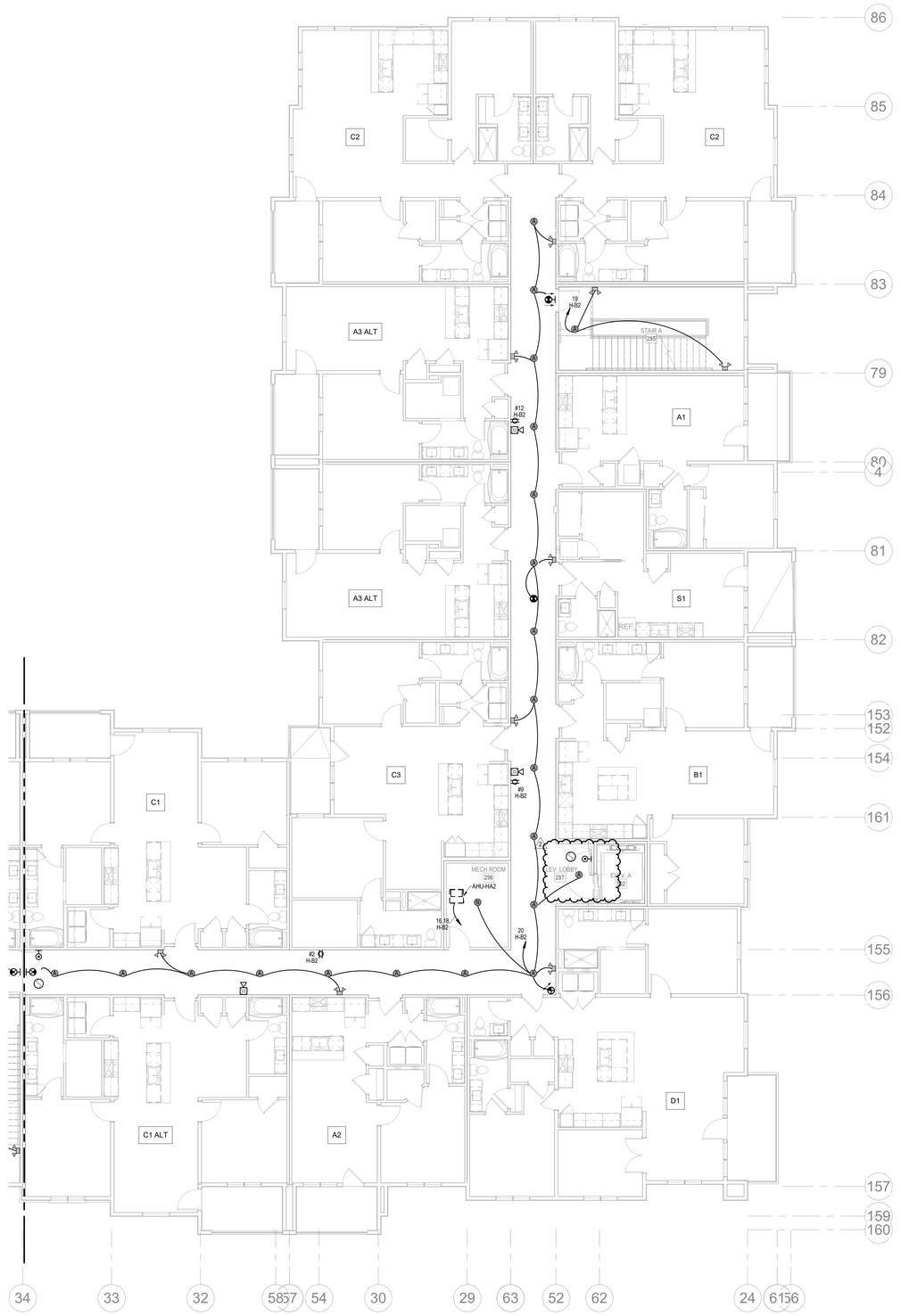
LSA PROJECT NO. 2204061

5/1/2023 3:48:24 PM

ARCH E1.50" x 42"



1 **3RD FLOOR - SEGMENT A**
ELECTRICAL
1/8" = 1'-0"

NORTH

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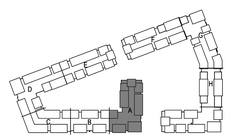
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
2 23 0428 ADD 1/CC 2



NORTH

KEY PLAN
NO SCALE

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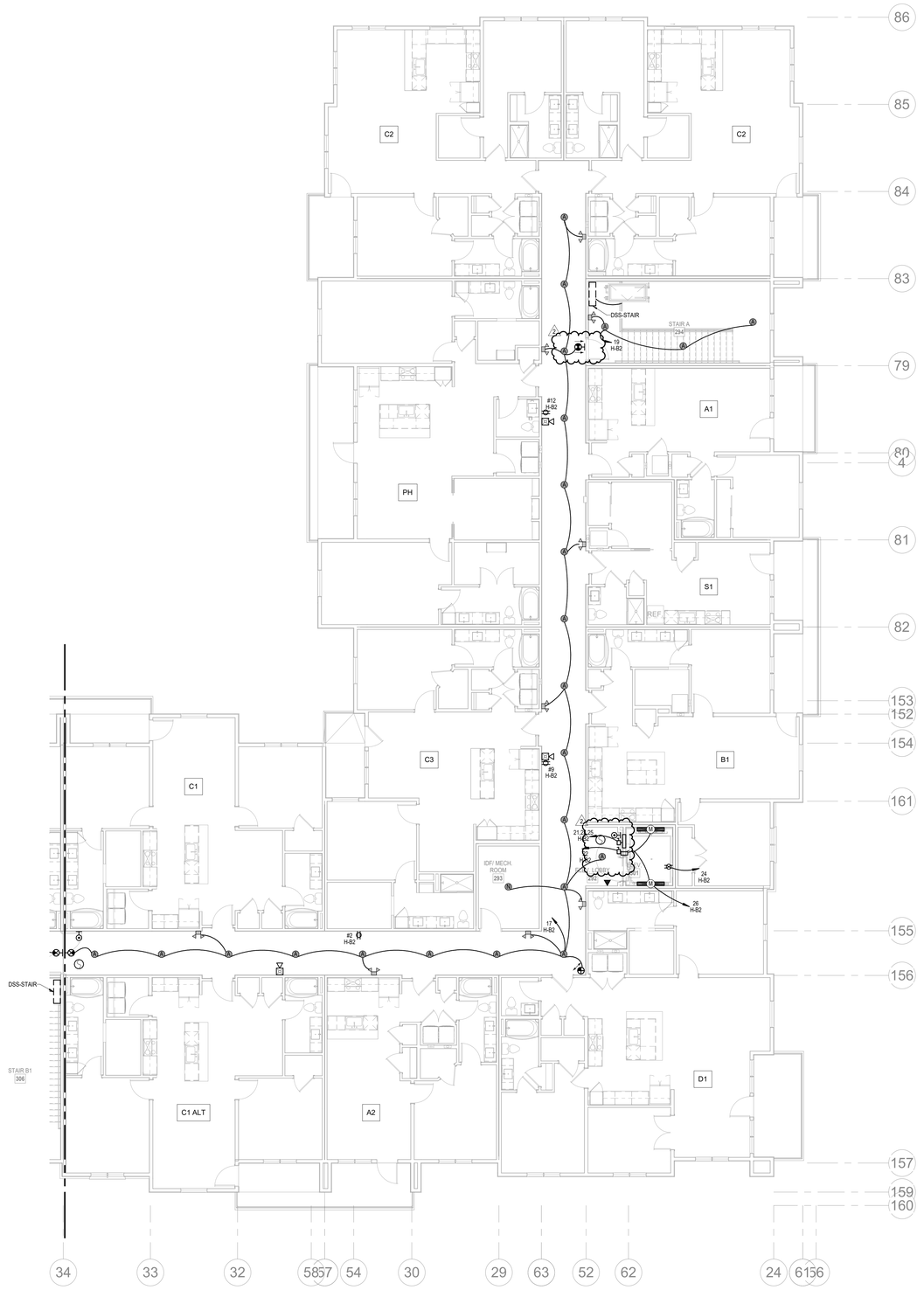
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT A - 3RD FLOOR - ELECTRICAL
SHEET NO. E1.03

5/1/2023 3:48:27 PM

ARCH E1.50" x 42"



1 **4TH FLOOR - SEGMENT A**
ELECTRICAL
1/8" = 1'-0"
NORTH

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04/28/2023

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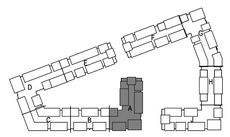

KEY PLAN
NO SCALE

△REVISIONS
2 23 0428 ADD 1/CC 2

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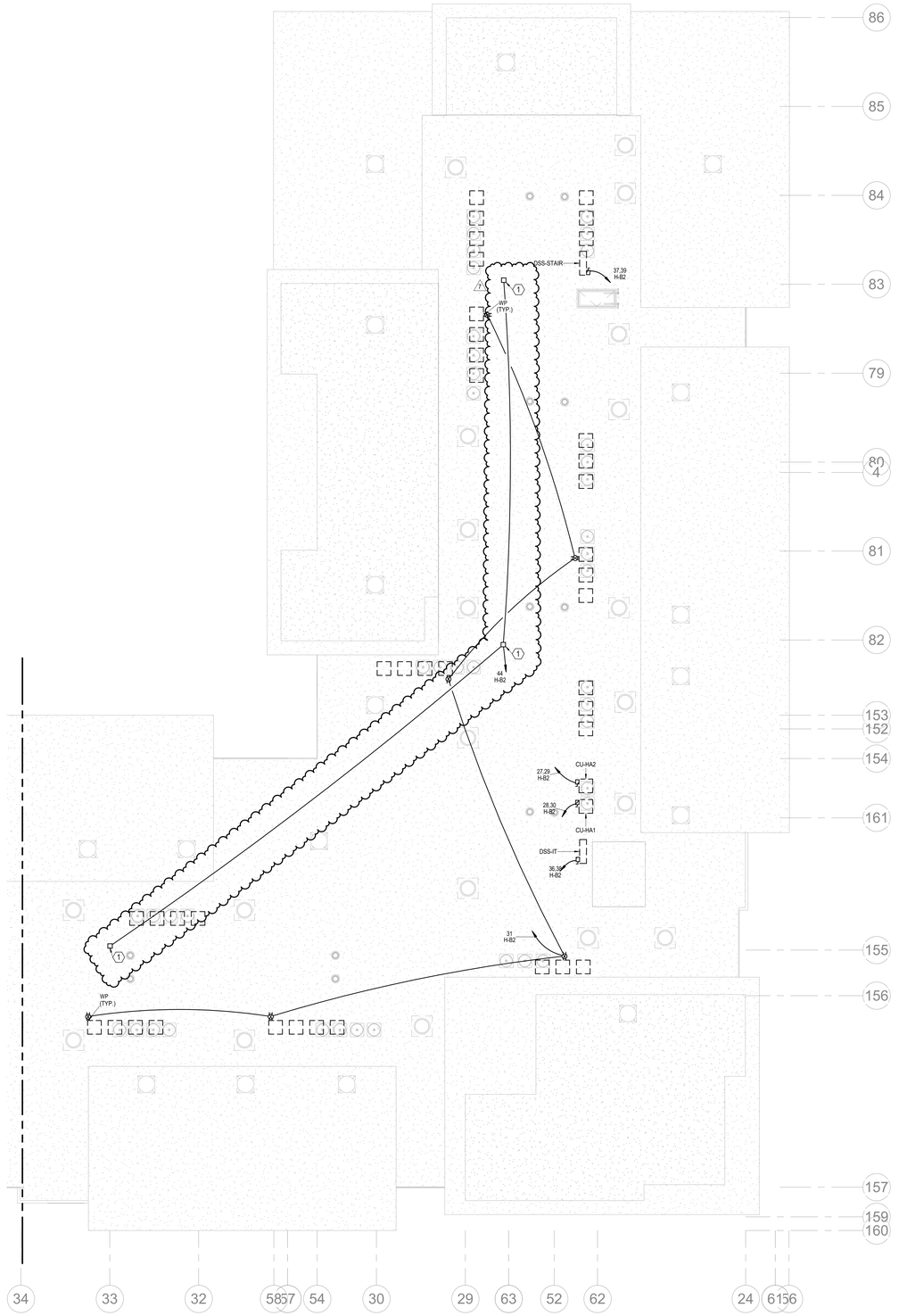
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT A - 4TH FLOOR - ELECTRICAL
SHEET NO. E1.04

5/1/2023 3:48:29 PM

ARCH E1.50" x 42"



NORTH

1 ROOF PLAN - SEGMENT A

ELECTRICAL

1/8" = 1'-0"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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LEGEND:
1 WP J.B. FOR RADON FAN

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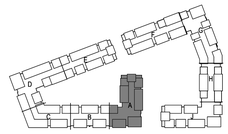
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

△ REVISIONS

2	23 0428	ADD 1CC 2	
7	23-07-13	ASI 3	

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT A - ROOF PLAN - ELECTRICAL
SHEET NO. E1.05

7/13/2023 4:27:56 PM

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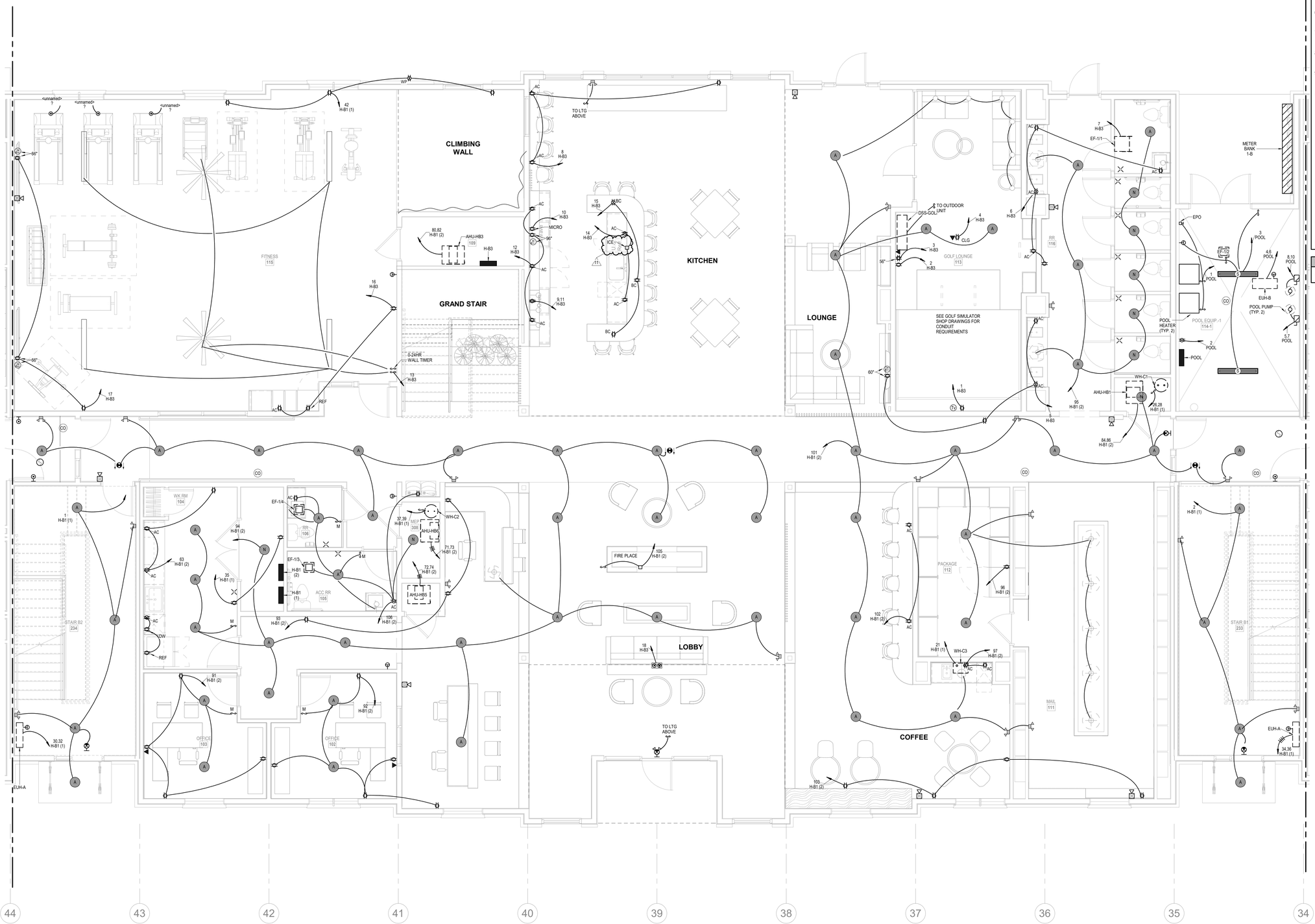

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    ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE
    ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE
    ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE
    ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE
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14. GARAGE DOOR TO OPEN UPON CO DETECTION.

LEGEND:

(1) WP J.B. FOR RADON FAN

SEE SHEET ID.400 FOR LIGHITNG TYPES. CONFIRM MOUNTING AND LOCATIONS OF LIGHT FIXTURES WITH ID AND OWNER.

ARCHITECTURE
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6/9/2023

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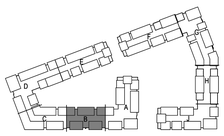
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

REVISIONS

3	23.0511	ADDENDUM 2
4	23-05-17	CC3
5	23-06-09	ASI 1
8	23-08-11	ASI 4
10	23-09-15	ASI 6
11	23-11-03	ASI #7

NORTH

2 1ST FLOOR - SEGMENT B

ELECTRICAL
1/4" = 1'-0"

LS&A
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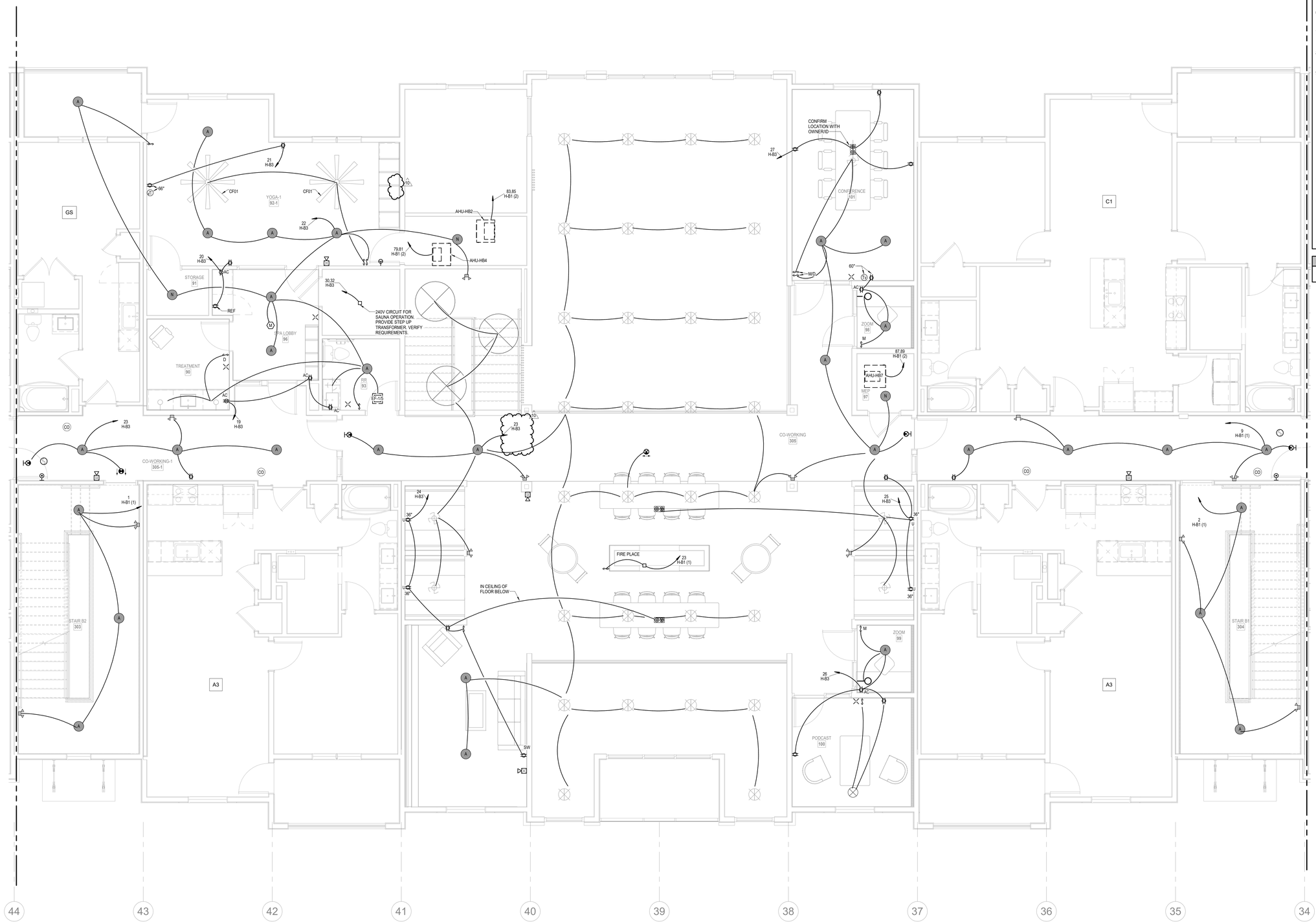
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023
CITY COMMENTS #3
SHEET NAME SEGMENT B - 1ST FLOOR - ELECTRICAL
SHEET NO. E1.06.1

11/3/2023 8:51:25 AM

ARCH E1.30" x 42"



NORTH

1 2ND FLOOR - SEGMENT B

ELECTRICAL

1/4" = 1'-0"

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LANDSCAPE ARCHITECTURE
ENERGY SERVICES

NSPJ ARCHITECTS, Inc.
3515 W. 75TH ST., SUITE 201
PRAIRIE VILLAGE, KS 66208

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F. 913.831.1563
NSPJARCH.COM

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010035010
PROFESSIONAL ENGINEER

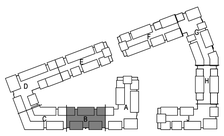
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

REVISIONS

3	23.0511	ADDENDUM 2
4	23-05-17	CC3
5	23-06-09	ASI 1
10	23-09-15	ASI 6

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921

DATE 03.15.2023

DRAWN BY LSA CAD

5/17/2023 CITY COMMENTS #3

SHEET NAME SEGMENT B - 2ND FLOOR - ELECTRICAL

SHEET NO. E1.06.2

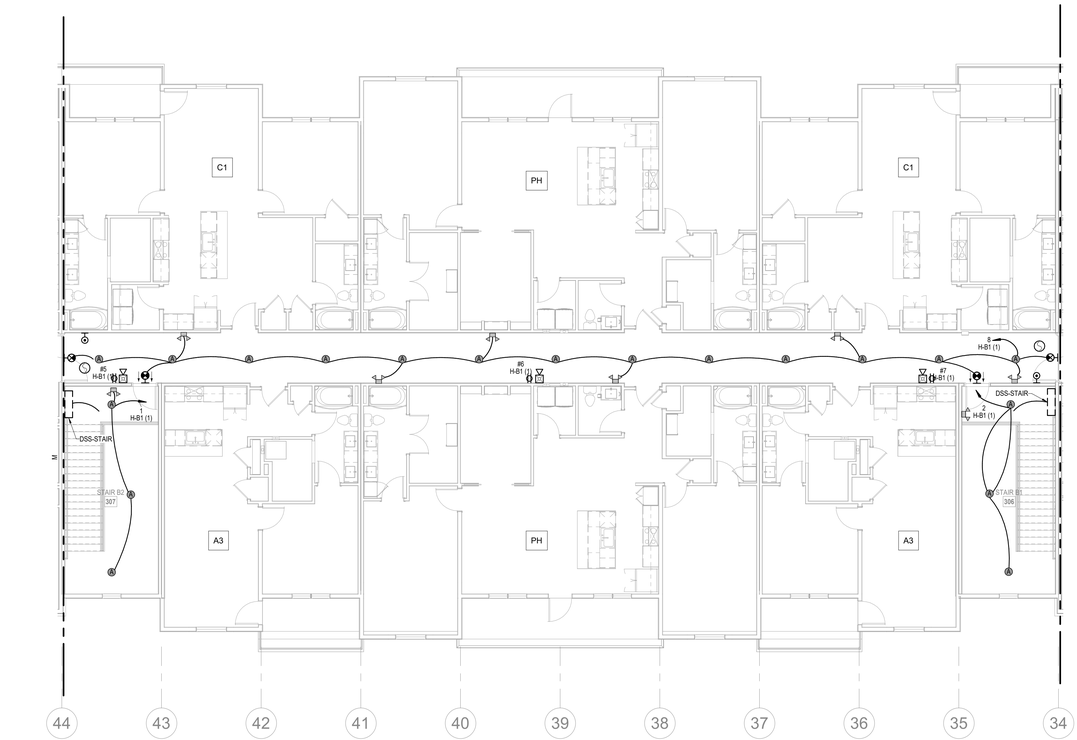
9/15/2023 9:43:48 AM

ARCH E1.30" x 42"

NORTH

1 3RD FLOOR - SEGMENT B

ELECTRICAL
1/8" = 1'-0"



NORTH

2 4TH FLOOR - SEGMENT B

ELECTRICAL
1/8" = 1'-0"

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNLESS NOTED OTHERWISE
    ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE
    ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE
    ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE
    ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE
    ALL ⊗ FIXTURES ARE TYPE X4 UNLESS NOTED OTHERWISE
11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.

ARCHITECTURE
LANDSCAPE ARCHITECTURE
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010018744
PROFESSIONAL ENGINEER
03/15/2023

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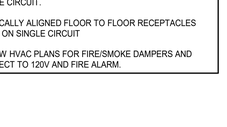
△REVISIONS



NORTH

KEY PLAN

LS&A
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT B - 3RD & 4TH FLOOR - ELECTRICAL
SHEET NO. E1.07

4/13/2023 9:06:19 PM

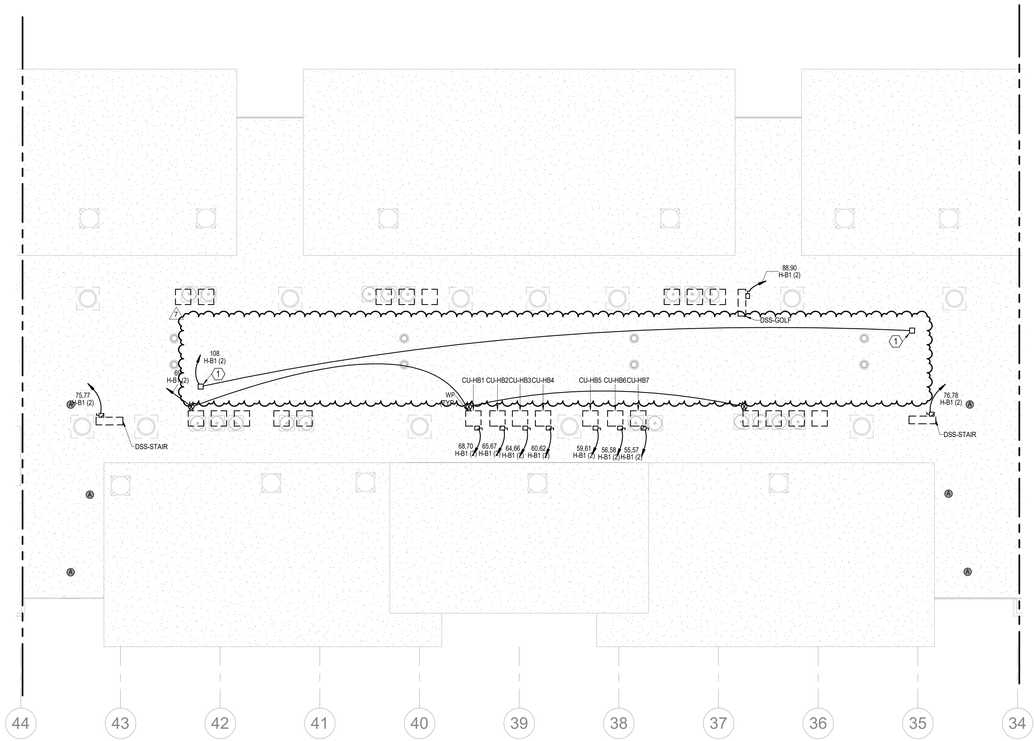
ARCH E1.30" x 42"

NOTES:

1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNLESS NOTED OTHERWISE
    ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE
    ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE
    ALL FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE
    ALL FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE
    ALL FIXTURES ARE TYPE X4 UNLESS NOTED OTHERWISE
11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.

LEGEND:

(1) WP J.B. FOR RADON FAN



NORTH

1 ROOF PLAN - SEGMENT B

ELECTRICAL

1/8" = 1'-0"

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NUMBER
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6/9/2023

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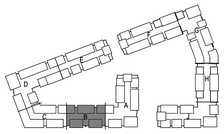
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

REVISIONS

2	23 0428	ADD 1CC 2
5	23-06-09	ASI 1
7	23-07-13	ASI 3

LS&A
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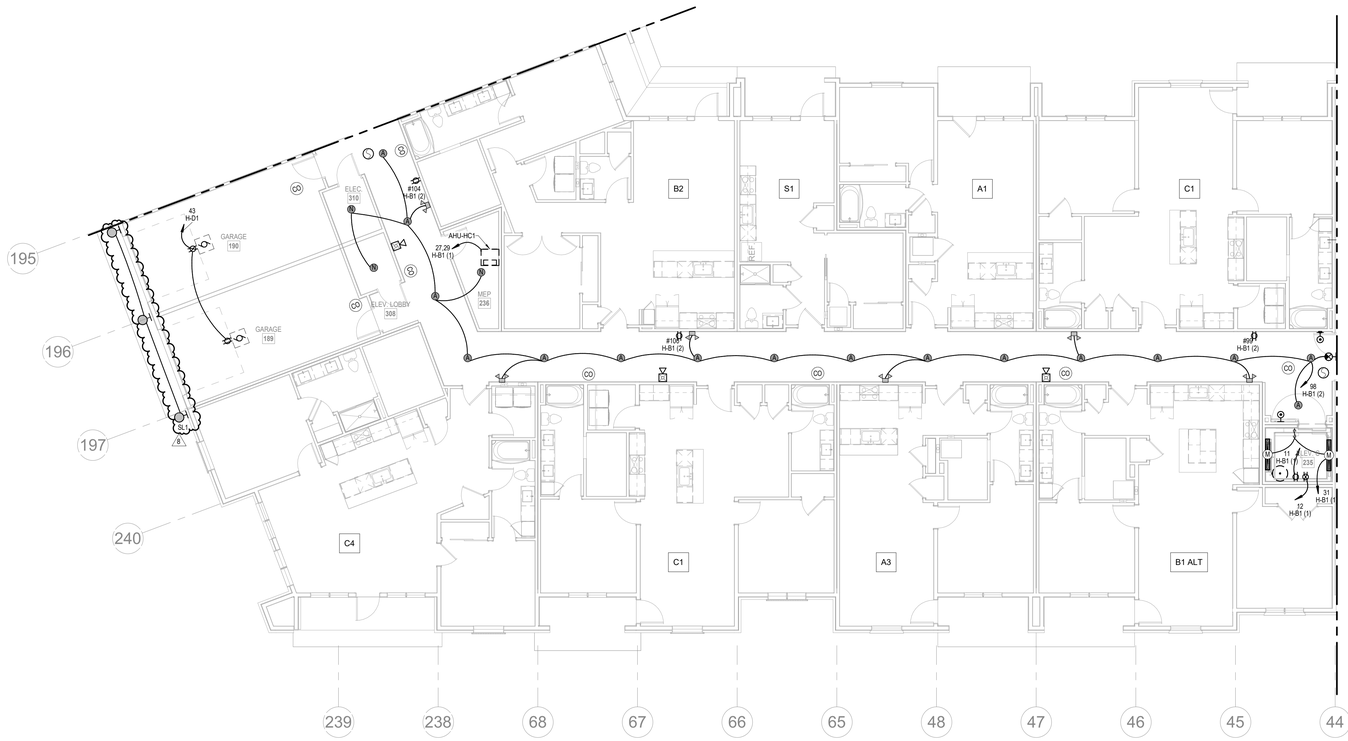
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT B - ROOF PLAN - ELECTRICAL
SHEET NO. E1.08

7/13/2023 4:27:57 PM

ARCH E1.30" x 42"



NORTH

1 1ST FLOOR - SEGMENT C

ELECTRICAL

1/8" = 1'-0"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
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11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.
14. GARAGE DOOR TO OPEN UPON CO DETECTION.

LEGEND:
(1) WP J.B. FOR RADON FAN

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LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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6/9/2023

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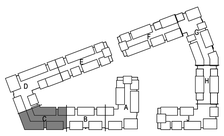

NORTH

KEY PLAN

NO SCALE

REVISIONS

2	23.0428	ADD 1CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT C - 1ST FLOOR - ELECTRICAL
SHEET NO. E1.09

8/10/2023 2:18:30 PM

ARCH E1.50" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
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13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.

NORTH

1 2ND FLOOR - SEGMENT C

ELECTRICAL

1/8" = 1'-0"

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NUMBER
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04/28/2023

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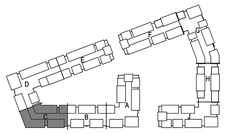
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

△REVISIONS
2 23 0428 ADD 1/CC 2

LS&A
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT C - 2ND FLOOR - ELECTRICAL
SHEET NO. E1.10

5/1/2023 3:48:42 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.

NORTH

1 3RD FLOOR - SEGMENT C

ELECTRICAL

1/8" = 1'-0"

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

04/28/2023

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TRILOGY

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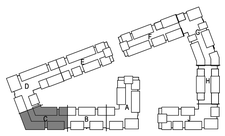
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

△ REVISIONS
2 23 0428 ADD 1/CC 2

LS&A
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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT C - 3RD FLOOR - ELECTRICAL
SHEET NO. E1.11

5/1/2023 3:48:43 PM

ARCH E1.30" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
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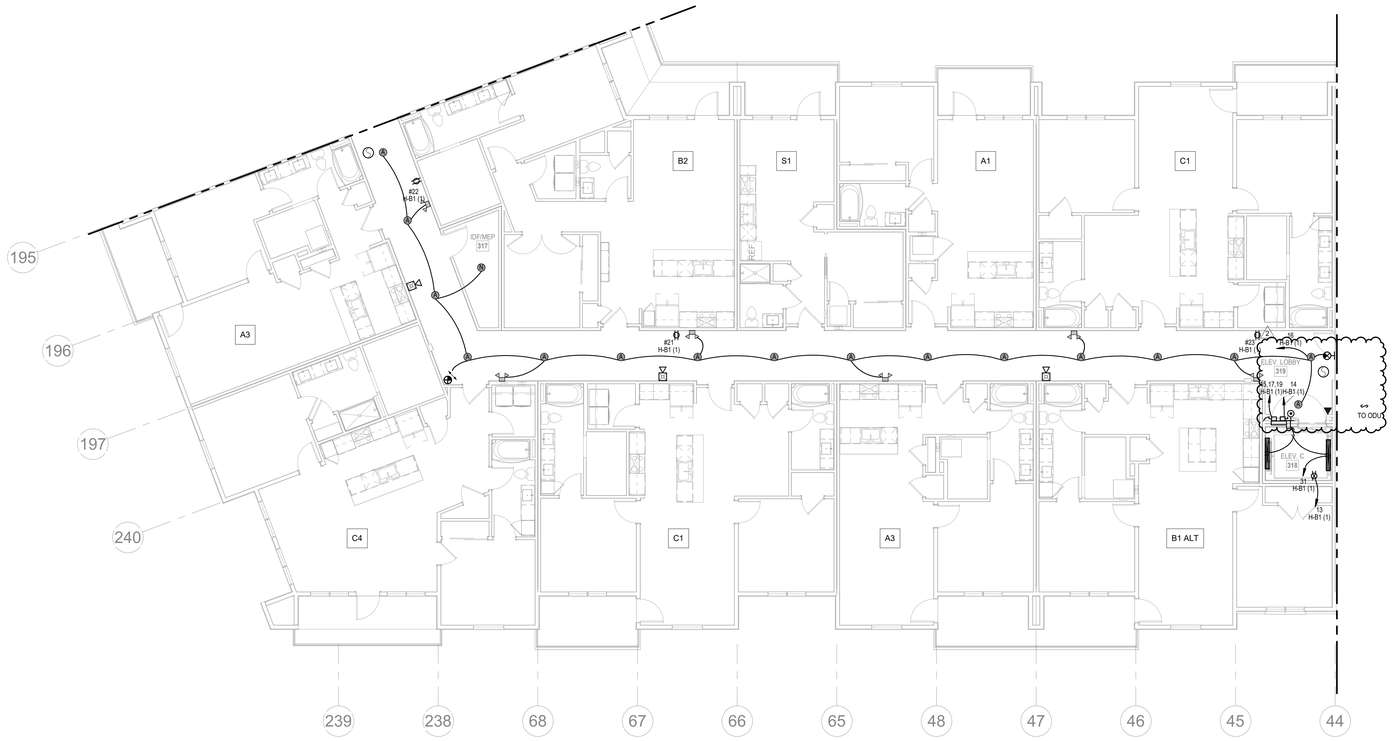

NORTH

1 4TH FLOOR - SEGMENT C
ELECTRICAL
1/8" = 1'-0"

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LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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04/28/2023

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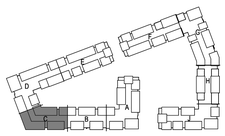
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
2 23.0428 ADD 1/CC 2



NORTH

KEY PLAN
NO SCALE

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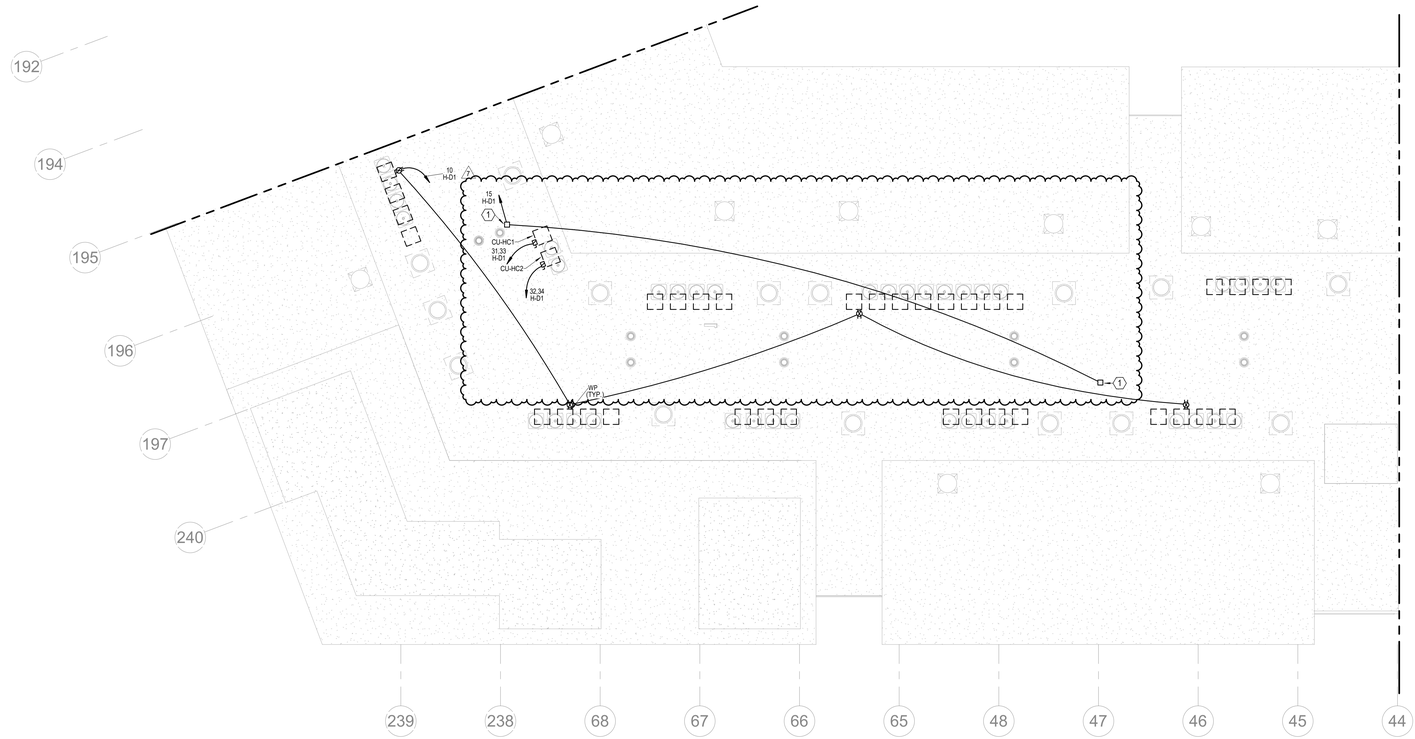
Telephone: (785) 233-3232
Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME
SEGMENT C - 4TH FLOOR - ELECTRICAL
SHEET NO.
E1.12

5/1/2023 3:48:46 PM

ARCH E1.30" x 42"



NORTH

1 ROOF PLAN - SEGMENT C

ELECTRICAL
1/8" = 1'-0"

NOTES:
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11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.

LEGEND:
(1) WP J.B. FOR RADON FAN

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NUMBER
PROFESSIONAL ENGINEER

6/9/2023

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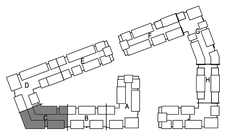
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

△REVISIONS

2	23.0428	ADD 1:CC 2
7	23-07-13	ASI 3

LS&A
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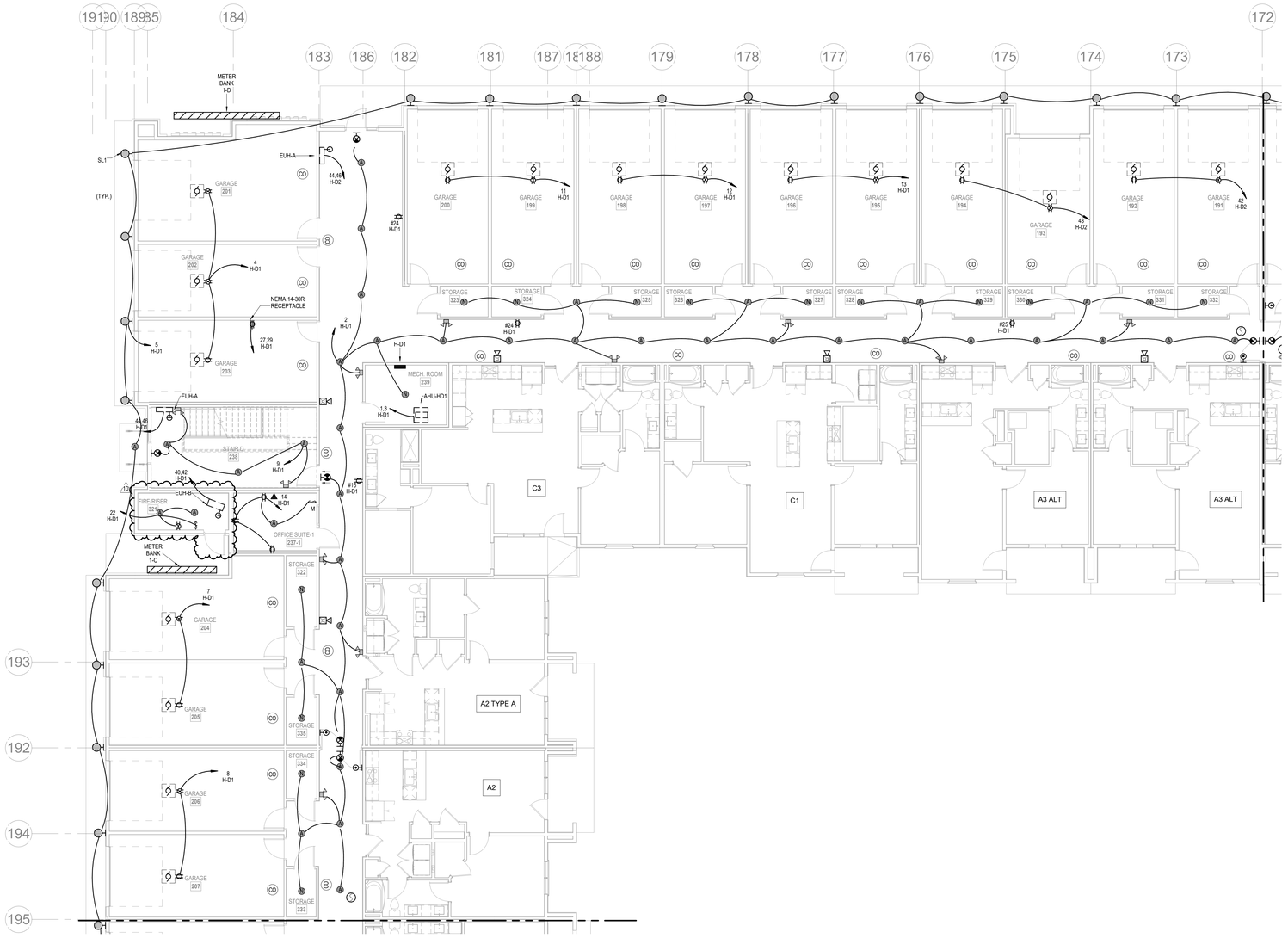
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT C - ROOF PLAN - ELECTRICAL
SHEET NO. E1.13

7/13/2023 4:27:58 PM

ARCH E1.30" x 42"



1 **1ST FLOOR - SEGMENT D**
ELECTRICAL
1/8" = 1'-0"

NORTH

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
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14. GARAGE DOOR TO OPEN UPON CO DETECTION.

LEGEND:
(1) WP J.B. FOR RADON FAN

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6/9/2023

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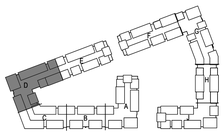

KEY PLAN
NO SCALE

NORTH

△REVISIONS

2	23-0428	ADD 1/CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4
10	23-09-15	ASI 6

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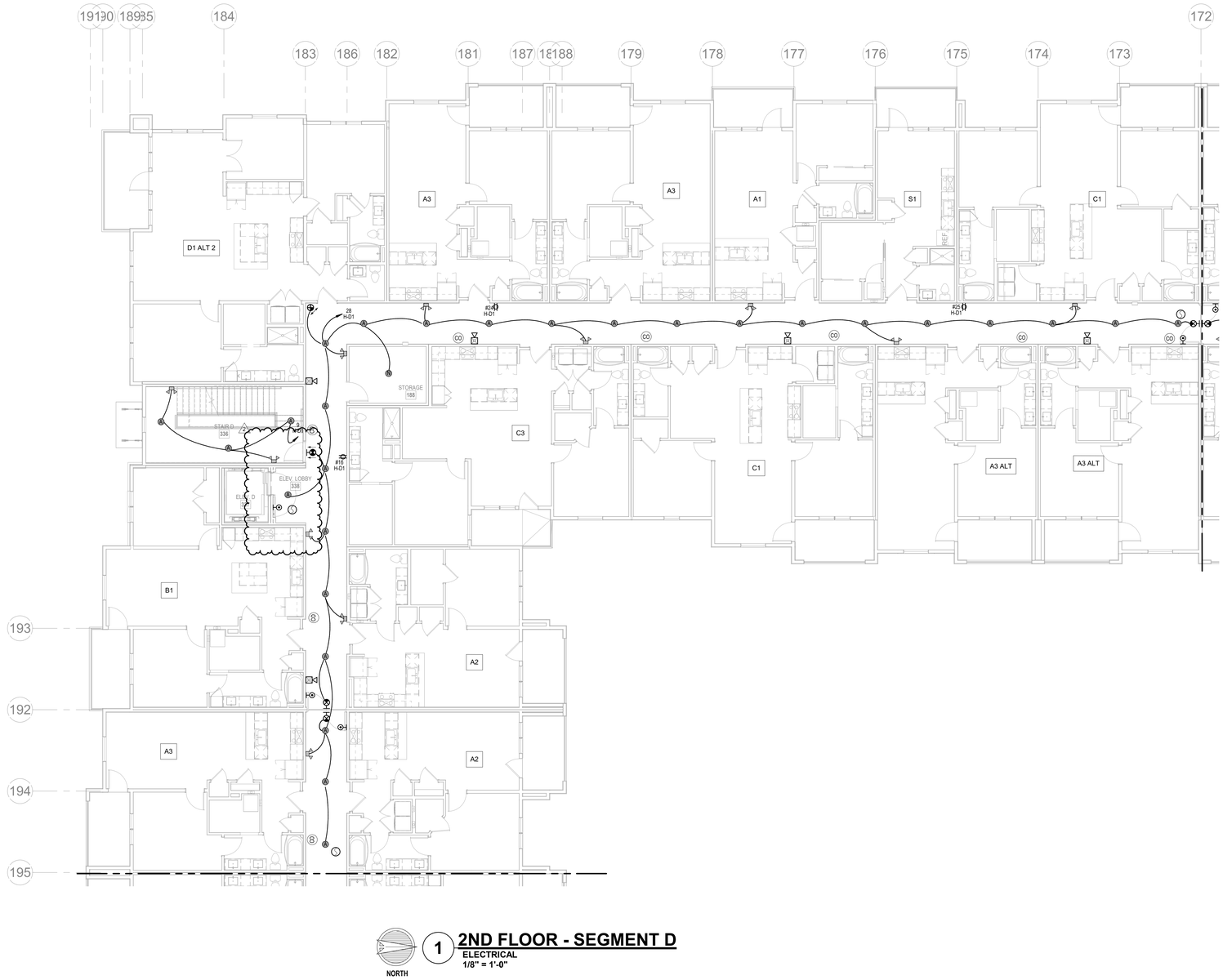
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 1ST FLOOR - ELECTRICAL
SHEET NO. E1.14

9/15/2023 9:43:49 AM

ARCH E1.50" x 42"



1 **2ND FLOOR - SEGMENT D**
ELECTRICAL
1/8" = 1'-0"

NORTH

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04/28/2023

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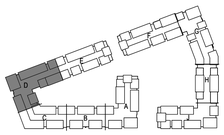
△REVISIONS
2 23.0428 ADD 1/CC 2



NORTH

KEY PLAN
NO SCALE

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT D - 2ND FLOOR - ELECTRICAL
SHEET NO. E1.15

5/1/2023 3:48:55 PM

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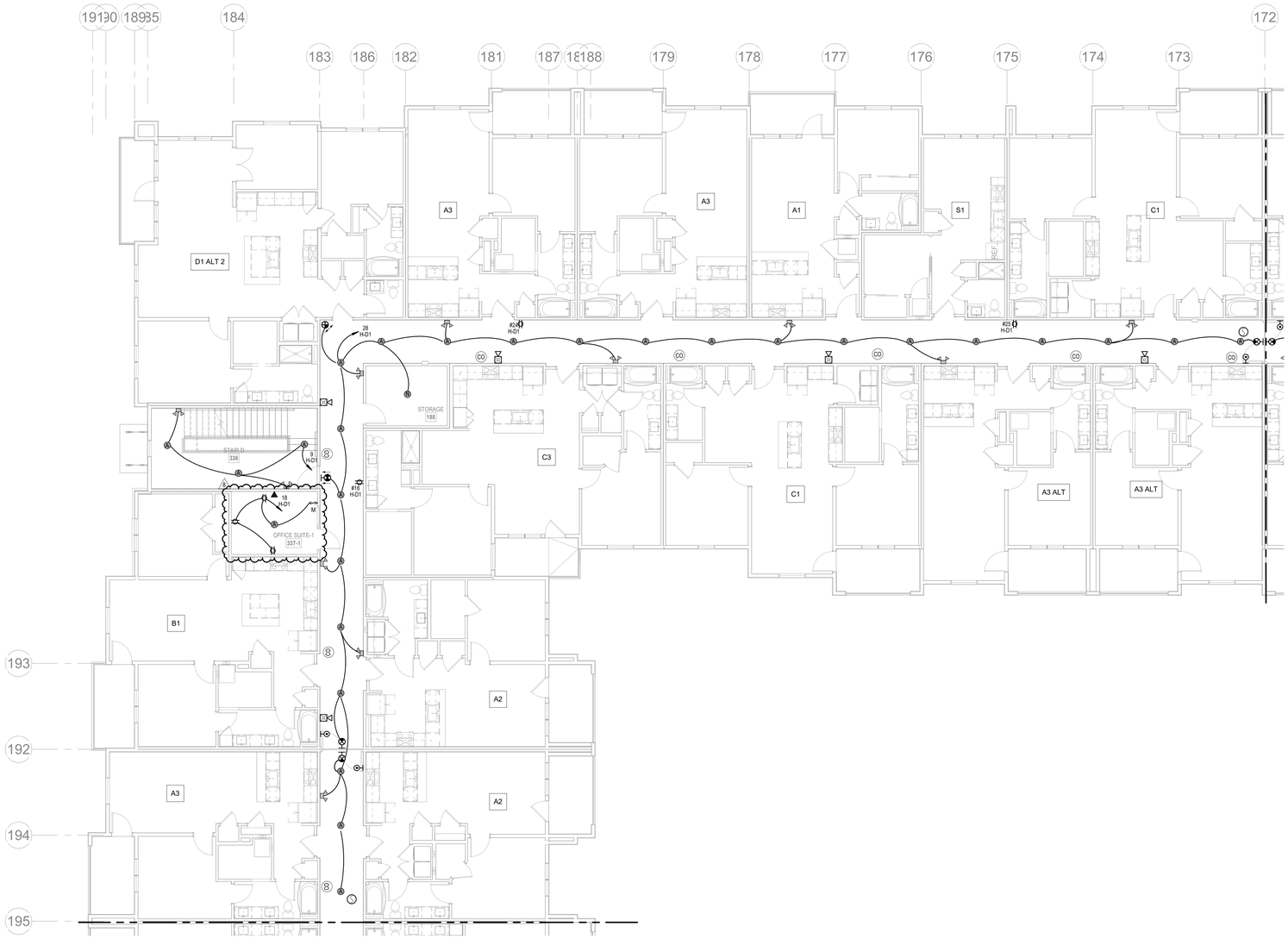

1 **2ND FLOOR - SEGMENT D**
ELECTRICAL
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NORTH

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LEGEND:
(1) WP J.B. FOR RADON FAN

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NUMBER
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6/9/2023

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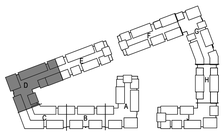

KEY PLAN
NO SCALE
NORTH

REVISIONS
2 23 0428 ADD 1CC 2
8 23-08-11 ASI 4

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 2ND FLOOR - ELECTRICAL
SHEET NO. E1.15

8/10/2023 2:18:34 PM

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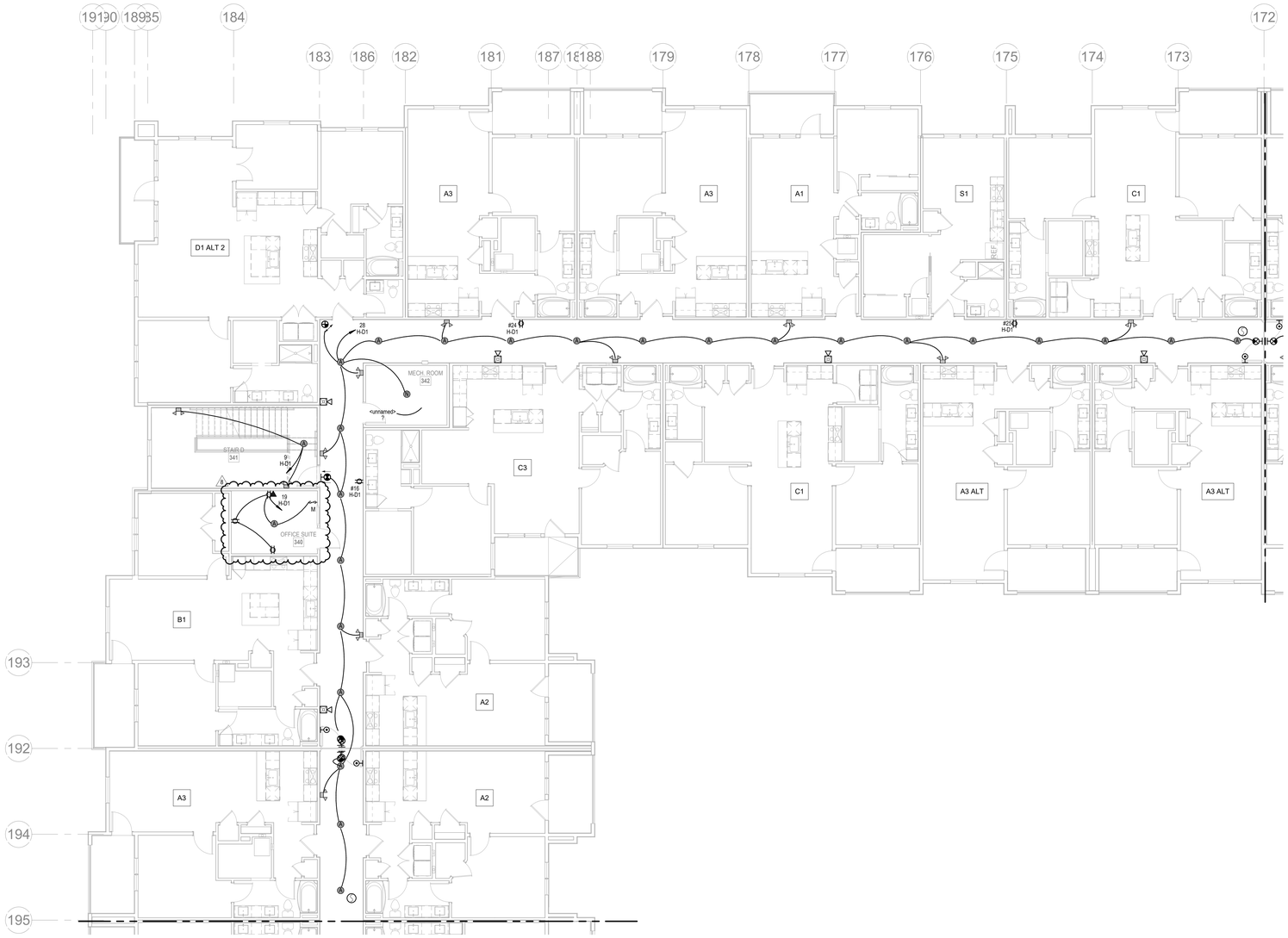

1 3RD FLOOR - SEGMENT D

ELECTRICAL
1/8" = 1'-0"

NORTH

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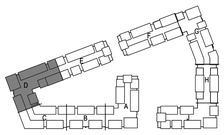

NORTH

KEY PLAN

NO SCALE

REVISIONS
2 23-04-28 ADD 1 CC 2
8 23-08-11 ASI 4

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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 3RD FLOOR - ELECTRICAL
SHEET NO. E1.16

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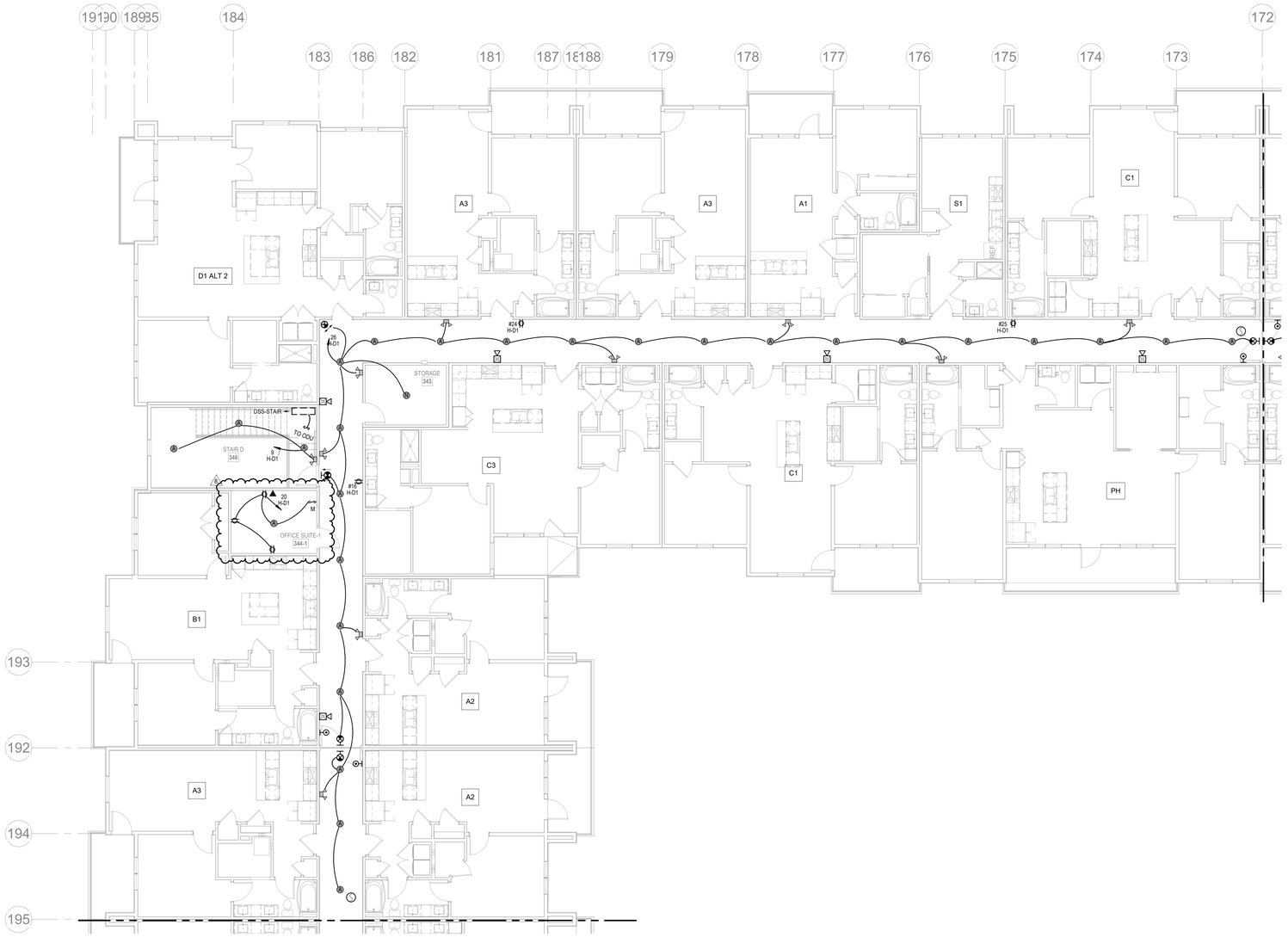

1 **4TH FLOOR - SEGMENT D**
ELECTRICAL
1/8" = 1'-0"
NORTH

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LEGEND:
(1) WP J.B. FOR RADON FAN

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6/9/2023

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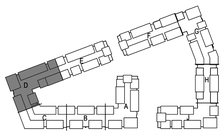
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

REVISIONS
2 23 0428 ADD 1CC 2
8 23-06-11 ASI 4



NORTH
KEY PLAN
NO SCALE

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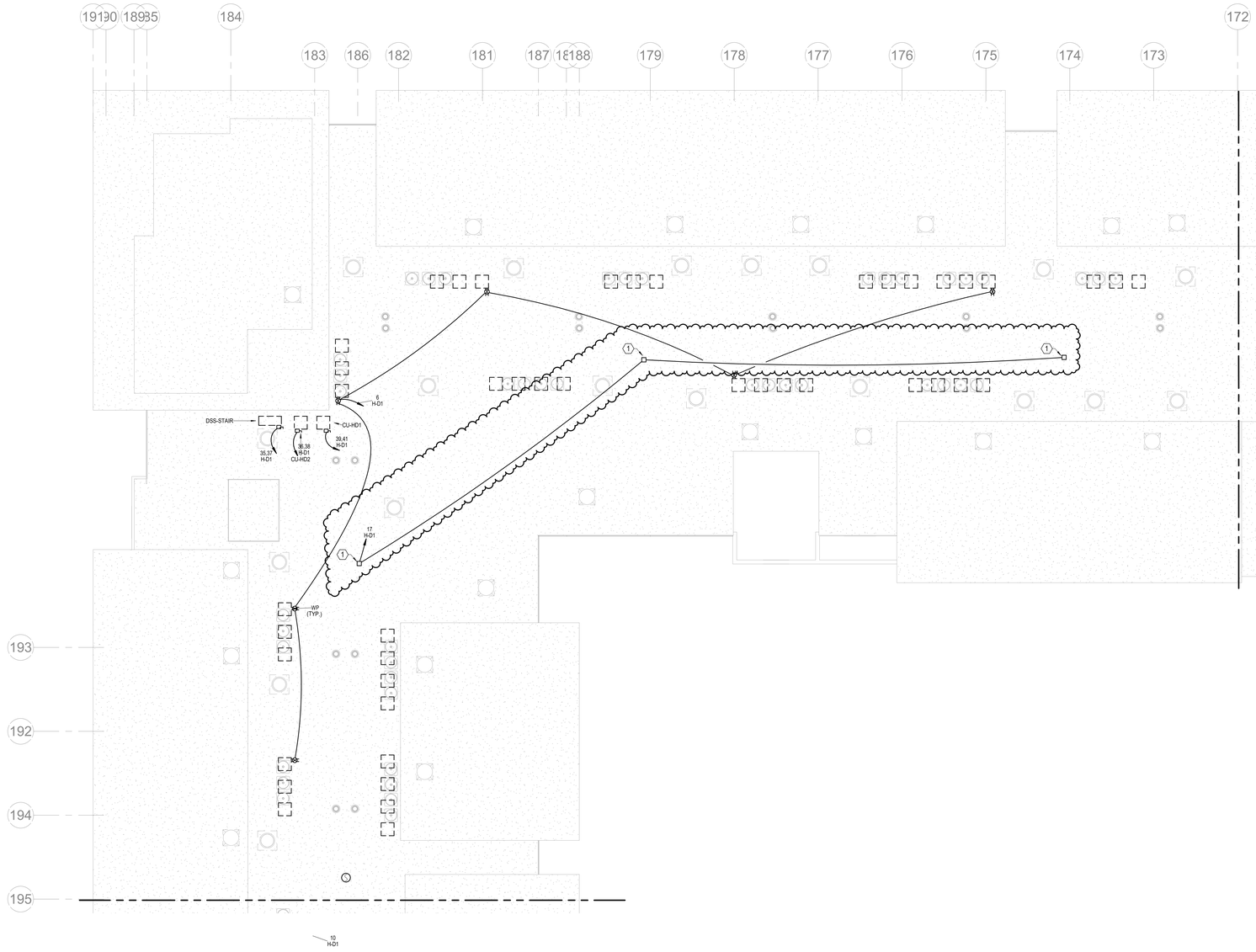
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 4TH FLOOR - ELECTRICAL
SHEET NO. E1.17

8/10/2023 2:18:37 PM

ARCH E1.30" x 42"



NORTH

1 ROOF PLAN - SEGMENT D

ELECTRICAL
1/8" = 1'-0"

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NUMBER 2010020010
PROFESSIONAL ENGINEER

6/9/2023

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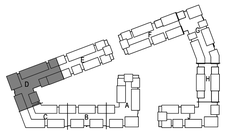
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

△REVISIONS
7 23-07-13 ASI 3

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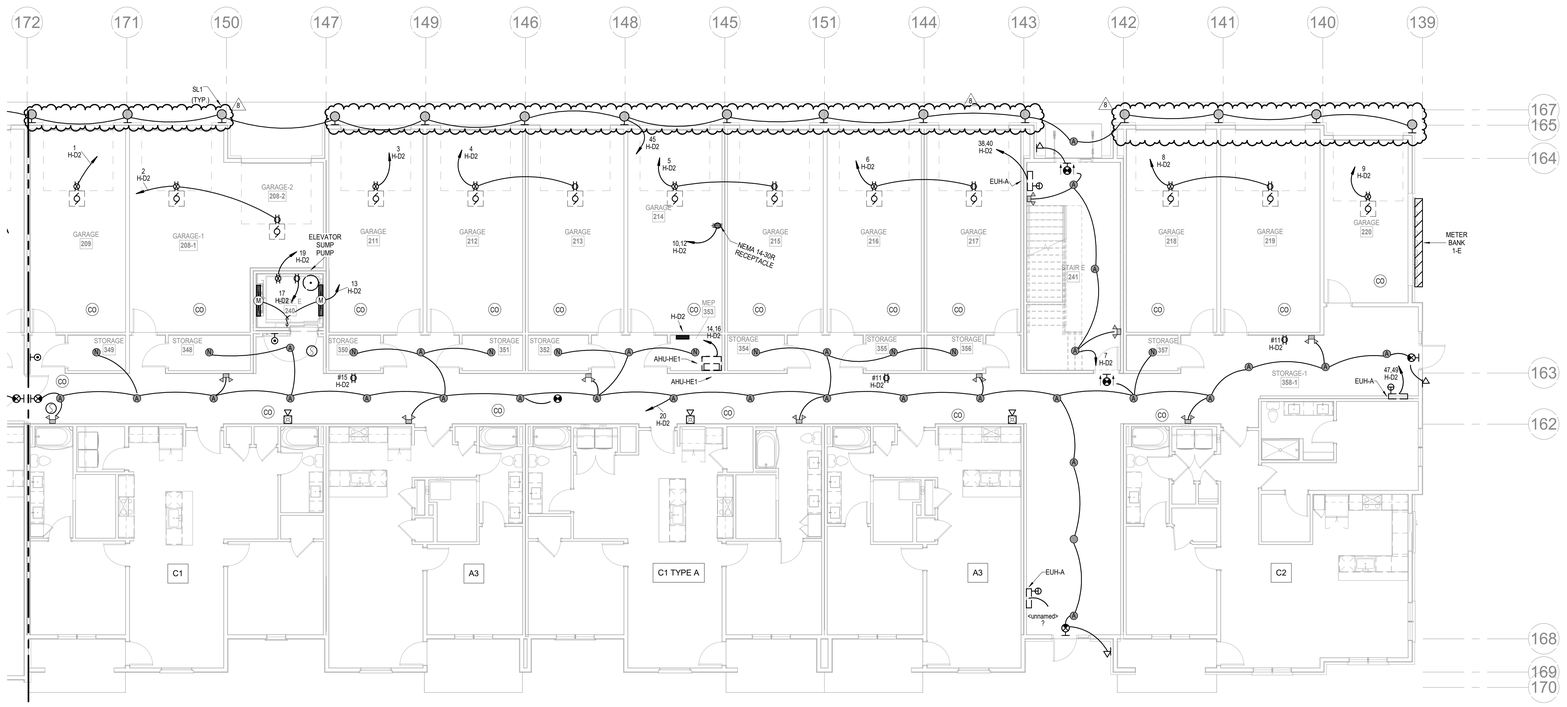
Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - ROOF PLAN - ELECTRICAL
SHEET NO. E1.18

7/13/2023 4:27:59 PM

ARCH E1.30" x 42"



1 1ST FLOOR - SEGMENT E

ELECTRICAL

1/8" = 1'-0"

NORTH

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNLESS NOTED OTHERWISE ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE ALL FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE ALL FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE ALL FIXTURES ARE TYPE X4 UNLESS NOTED OTHERWISE
11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.
14. GARAGE DOOR TO OPEN UPON CO DETECTION.

LEGEND:
(1) WP J.B. FOR RADON FAN

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NUMBER
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6/9/2023

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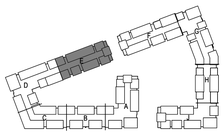
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS

2	23.04.28	ADD 1 CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4



NORTH

KEY PLAN

NO SCALE

LS&A
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT E - 1ST FLOOR - ELECTRICAL
SHEET NO. E1.19

8/10/2023 2:18:41 PM

ARCH E1.30" x 42"

1 **2ND FLOOR - SEGMENT E**
ELECTRICAL
1/8" = 1'-0"

NORTH

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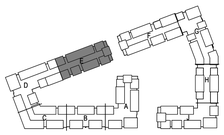
- 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
2 23.0428 ADD 1/CC 2



KEY PLAN
NO SCALE

NORTH

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT E - 2ND FLOOR - ELECTRICAL
SHEET NO. E1.20

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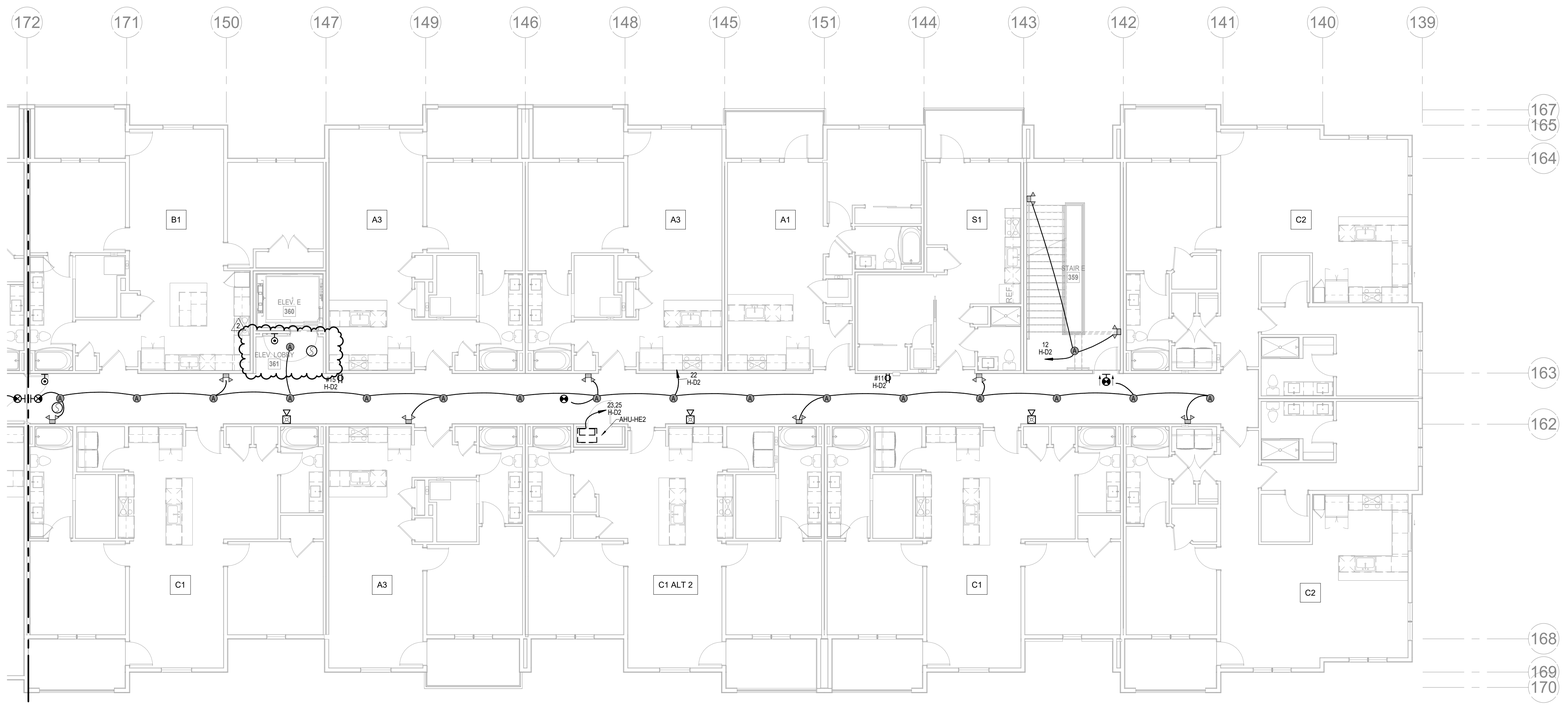
ARCH E1.30" x 42"



1 **3RD FLOOR - SEGMENT E**
ELECTRICAL
1/8" = 1'-0"

NORTH

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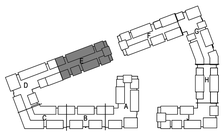
2 23.0428 ADD 1/CC 2



NORTH

KEY PLAN
NO SCALE

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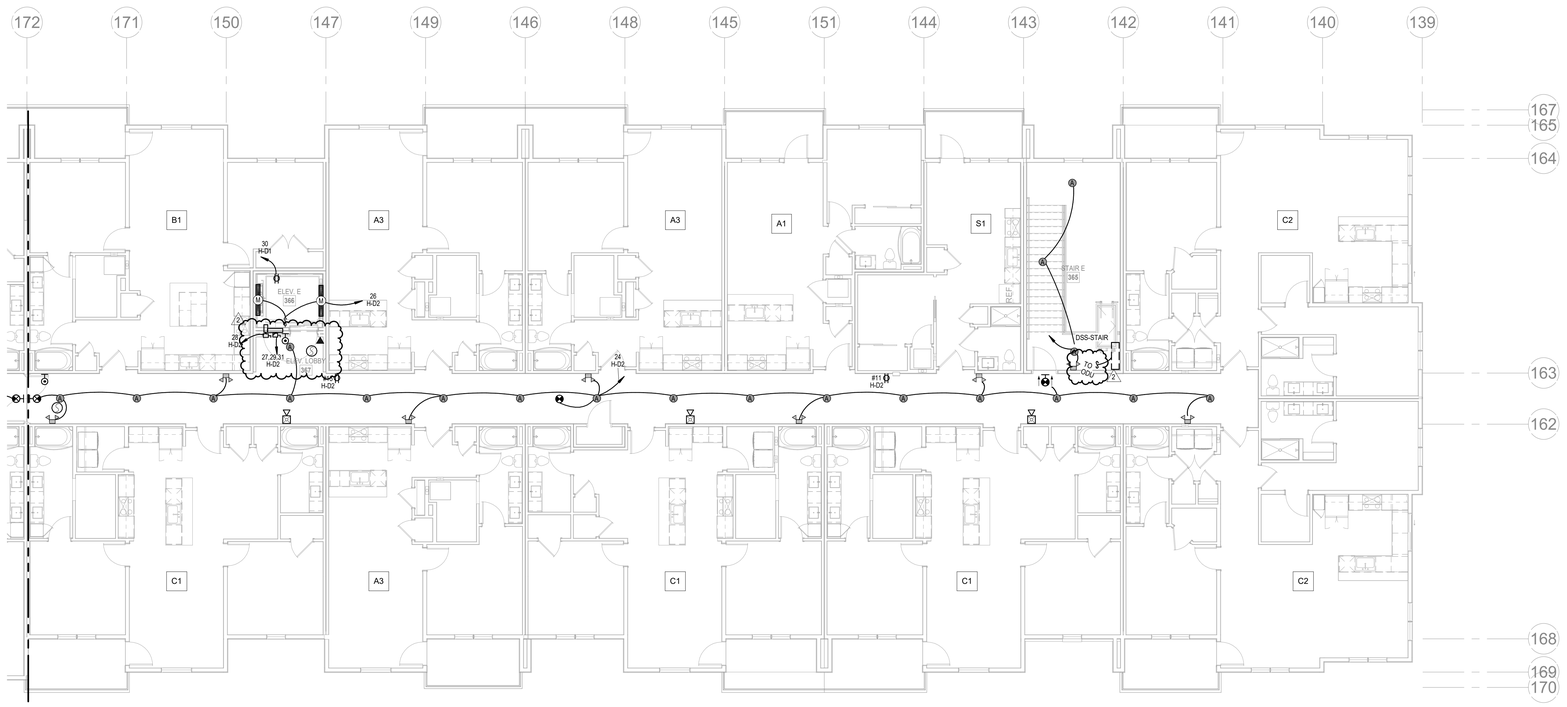
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT E - 3RD FLOOR - ELECTRICAL
SHEET NO. E1.21

5/1/2023 3:48:10 PM

ARCH E1.30" x 42"



NORTH

1 4TH FLOOR - SEGMENT E

ELECTRICAL

1/8" = 1'-0"

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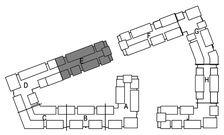
2 23.0428 ADD 1/CC 2



NORTH

KEY PLAN

NO SCALE

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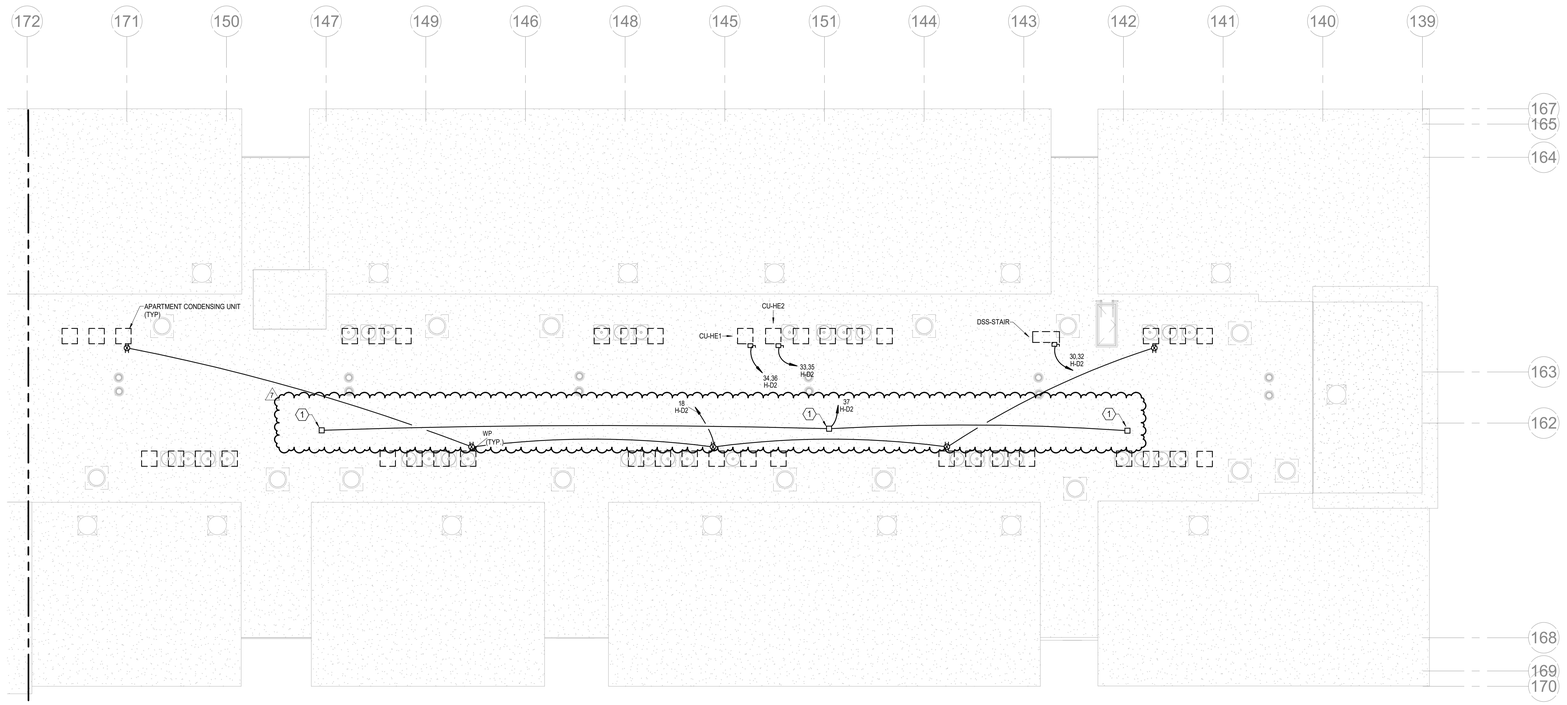
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT E - 4TH FLOOR - ELECTRICAL
SHEET NO. E1.22

5/1/2023 3:48:13 PM

ARCH E1.30" x 42"



NORTH

1 ROOF PLAN - SEGMENT E

ELECTRICAL
1/8" = 1'-0"

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LEGEND:
(1) WP J.B. FOR RADON FAN

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NUMBER
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6/9/2023

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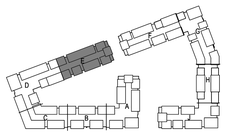
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS
7 23-07-13 ASI 3



NORTH

KEY PLAN
NO SCALE

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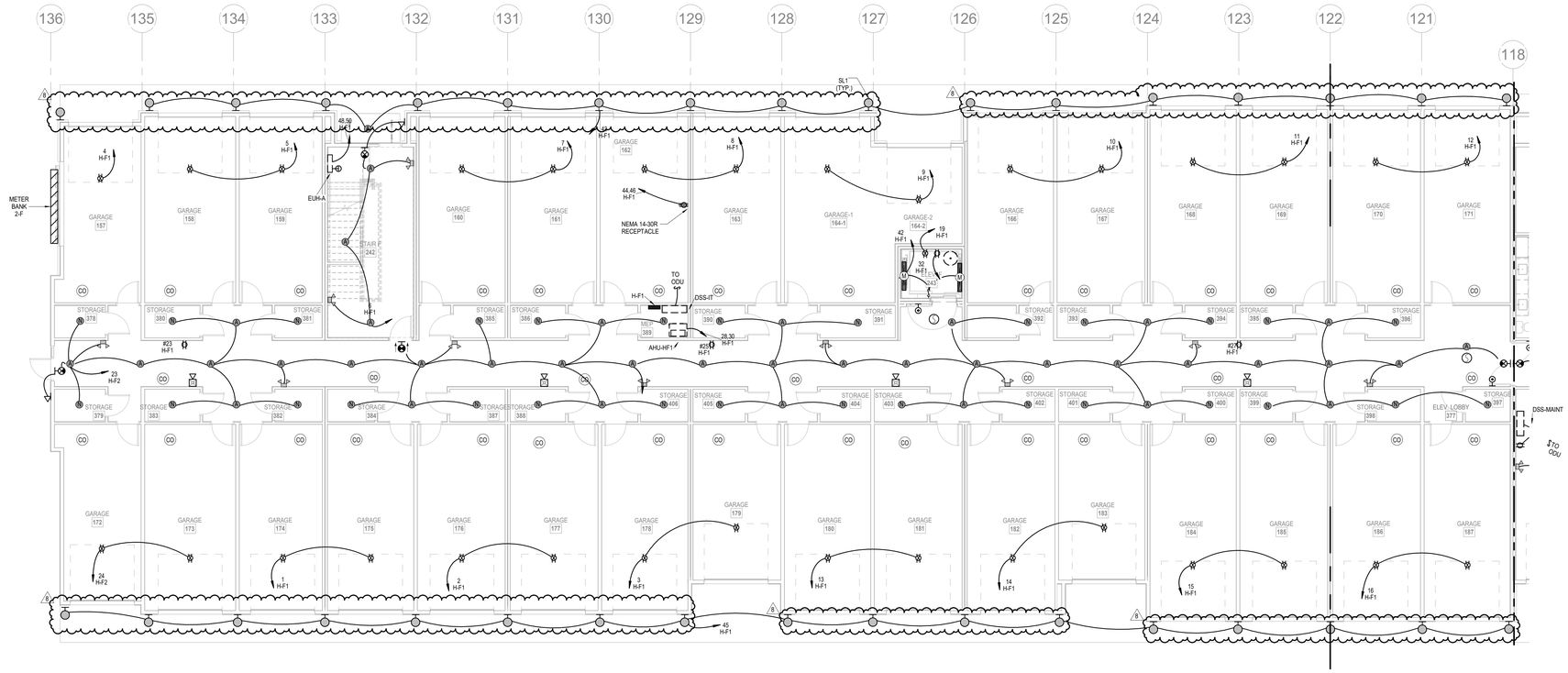
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023
CITY COMMENTS #3
SHEET NAME
SEGMENT E - ROOF PLAN - ELECTRICAL
SHEET NO.
E1.23

7/13/2023 4:28:00 PM

ARCH E1.30" x 42"



1 **1ST FLOOR - SEGMENT F**
ELECTRICAL
1/8" = 1'-0"

NORTH

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6/9/2023

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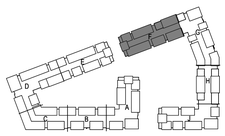
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN
NO SCALE

△REVISIONS

2	23 0428	ADD 1CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4

LS&A
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DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT F - 1ST FLOOR - ELECTRICAL
SHEET NO. E1.24

8/10/2023 2:18:46 PM

ARCH E1.50" x 42"

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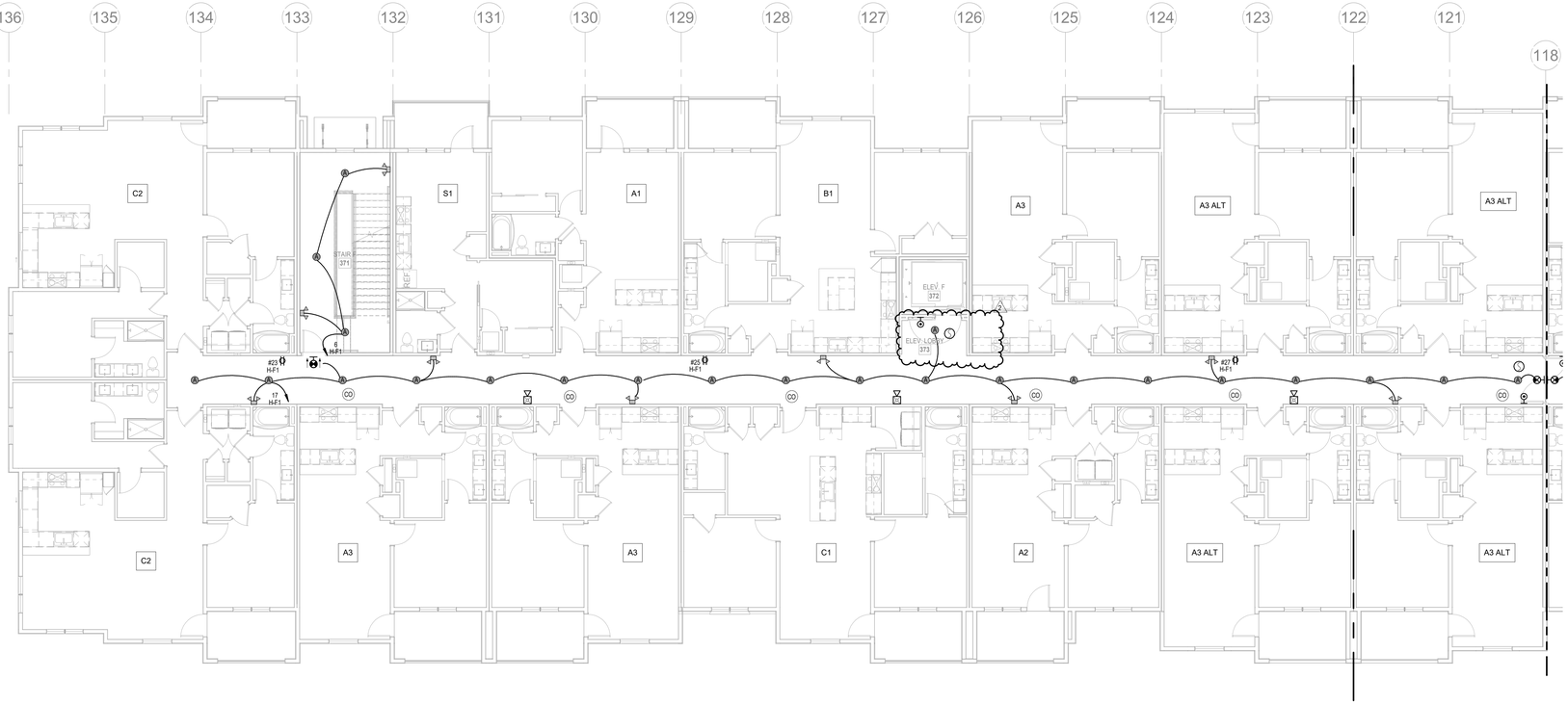

NORTH

1 2ND FLOOR - SEGMENT F

ELECTRICAL
1/8" = 1'-0"

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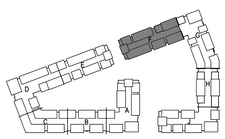
△REVISIONS
2 23.0428 ADD 1/CC 2



NORTH

KEY PLAN
NO SCALE

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
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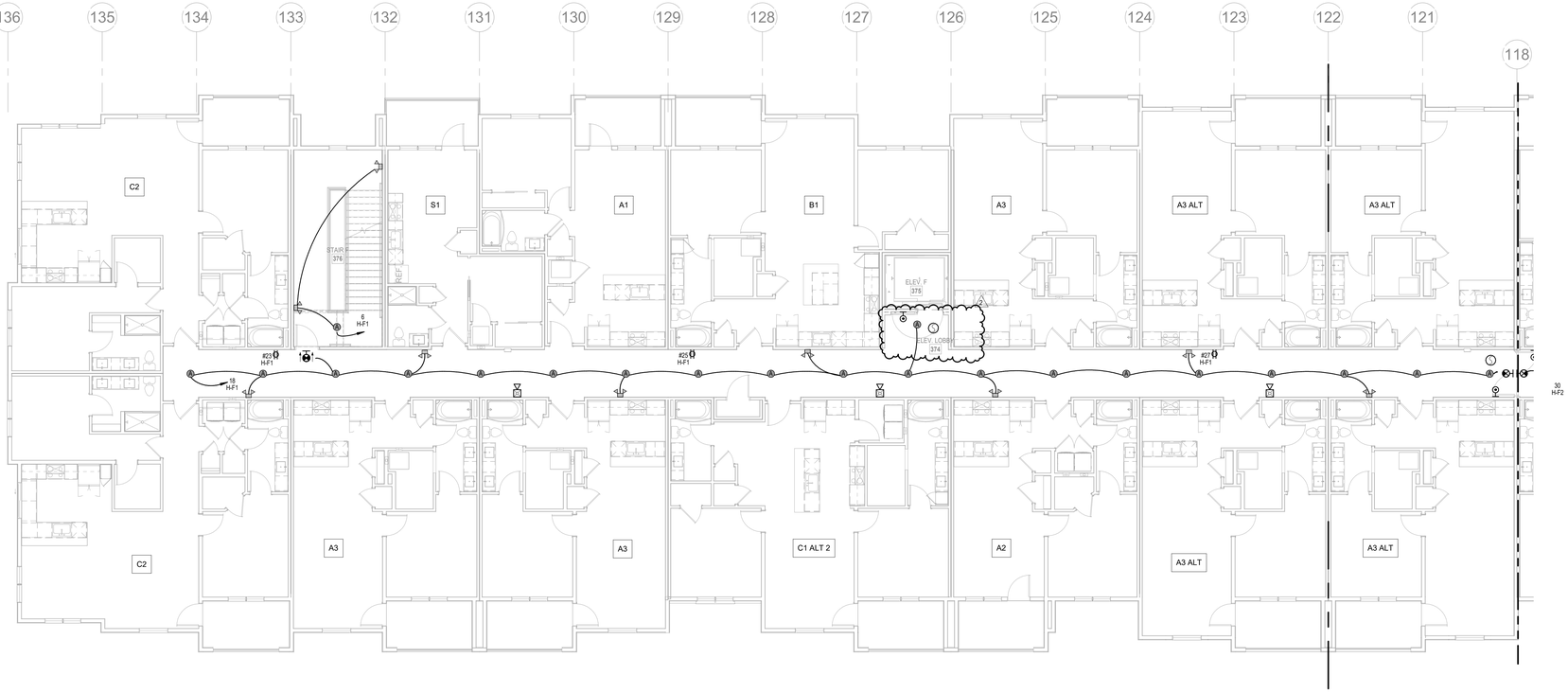
8826 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT F - 2ND FLOOR - ELECTRICAL
SHEET NO. E1.25

5/1/2023 3:45:19 PM

ARCH E1.50" x 42"

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNLESS NOTED OTHERWISE ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X4 UNLESS NOTED OTHERWISE
11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.



NORTH

1 3RD FLOOR - SEGMENT F

ELECTRICAL
1/8" = 1'-0"

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LANDSCAPE
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ENERGY SERVICES

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER A-2007018
PROFESSIONAL ENGINEER

04/28/2023

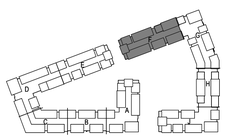
A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS
2 23.0428 ADD 1/CC 2



NORTH

KEY PLAN

NO SCALE

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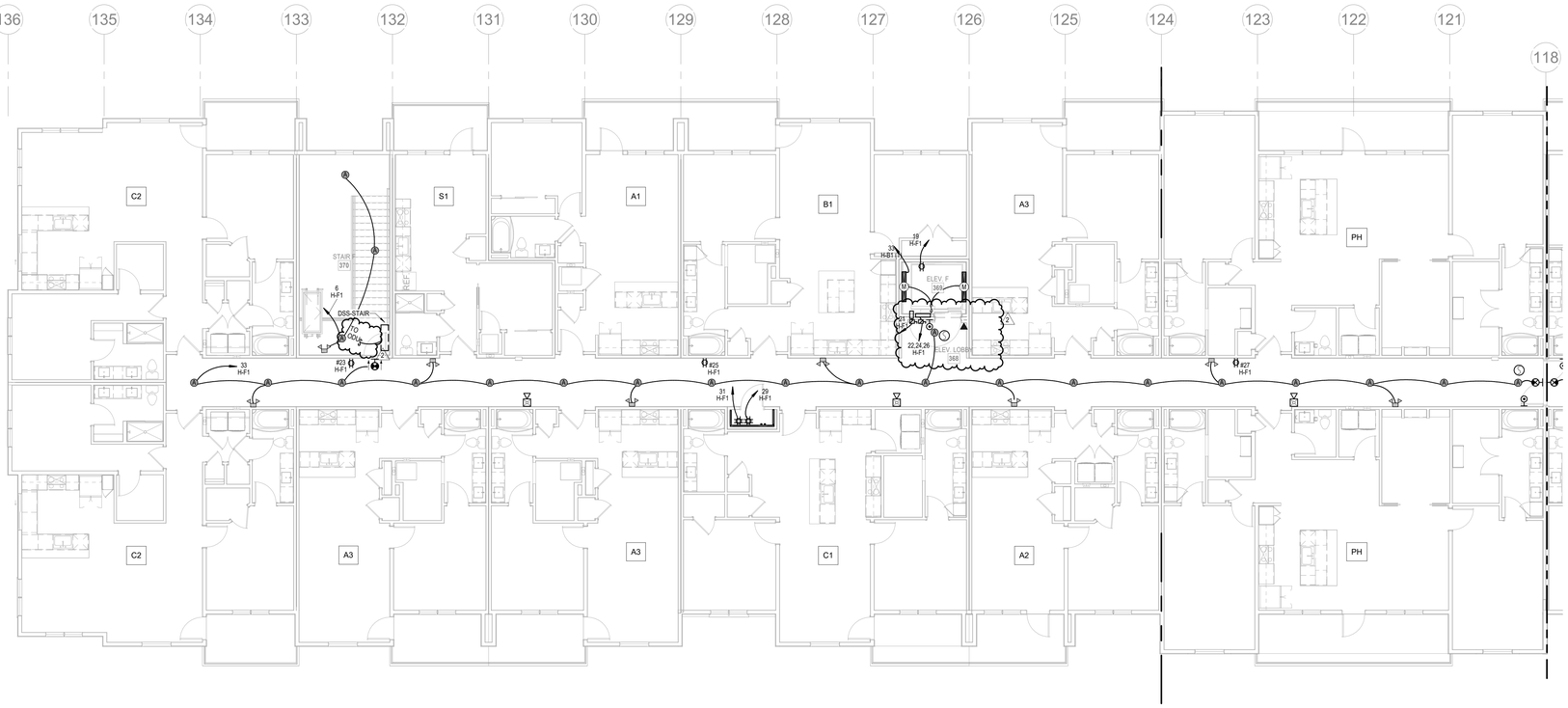
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME
SEGMENT F - 3RD FLOOR - ELECTRICAL
SHEET NO.
E1.26

5/1/2023 3:45:22 PM

ARCH E1.30" x 42"



1 **4TH FLOOR - SEGMENT F**
ELECTRICAL
1/8" = 1'-0"

NORTH

NOTES:
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3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
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6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
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9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
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12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
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STATE OF MISSOURI
REGISTERED
RICHARD R. BEARDMORE
PROFESSIONAL ENGINEER

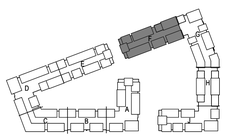
04/28/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN
NO SCALE

△REVISIONS
2 23.0428 ADD 1/CC 2

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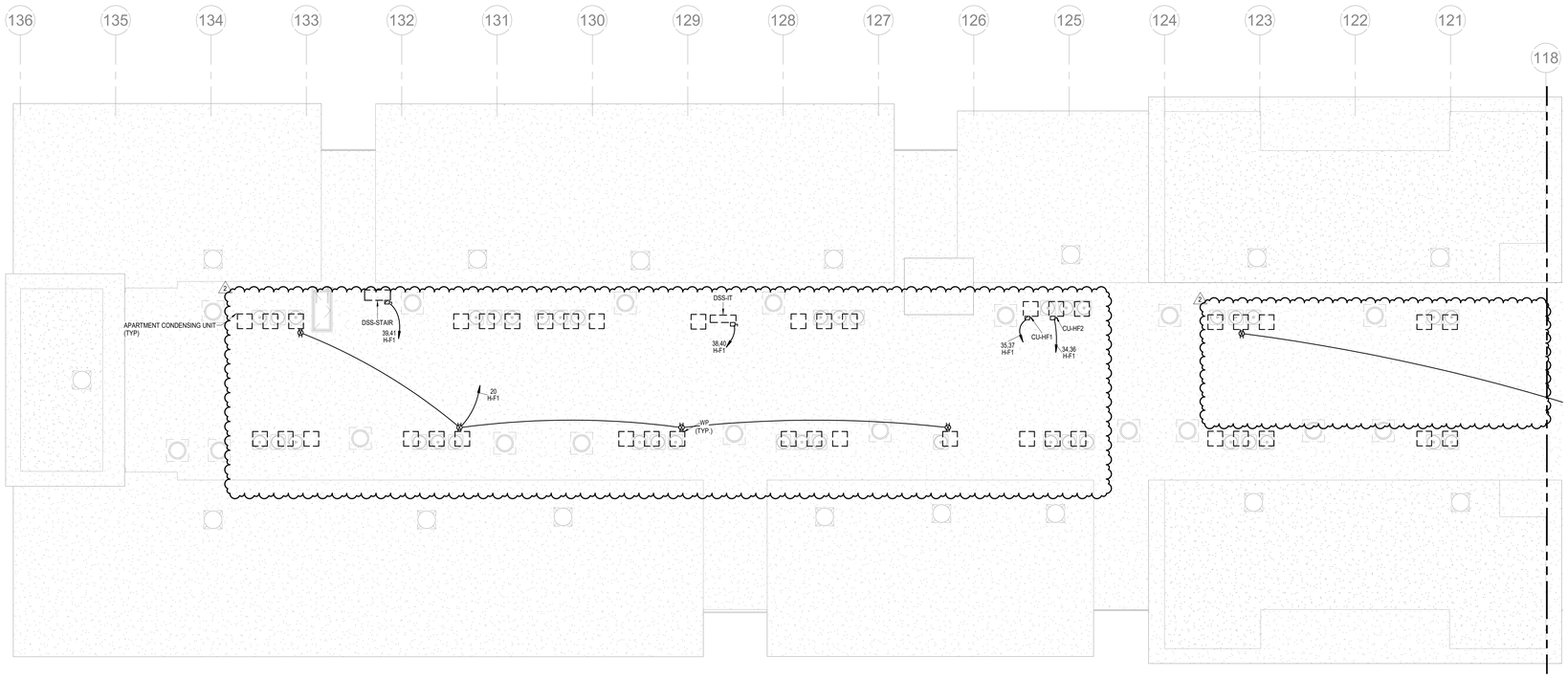
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME
SEGMENT F - 4TH FLOOR - ELECTRICAL
SHEET NO.
E1.27

5/1/2023 3:45:24 PM

ARCH E1.50" x 42"



NORTH

1 ROOF PLAN - SEGMENT F

ELECTRICAL

1/8" = 1'-0"

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04/28/2023

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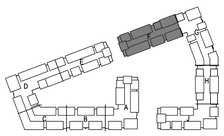
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN

NO SCALE

NORTH

△ REVISIONS
2 23.0428 ADD 1/CC 2

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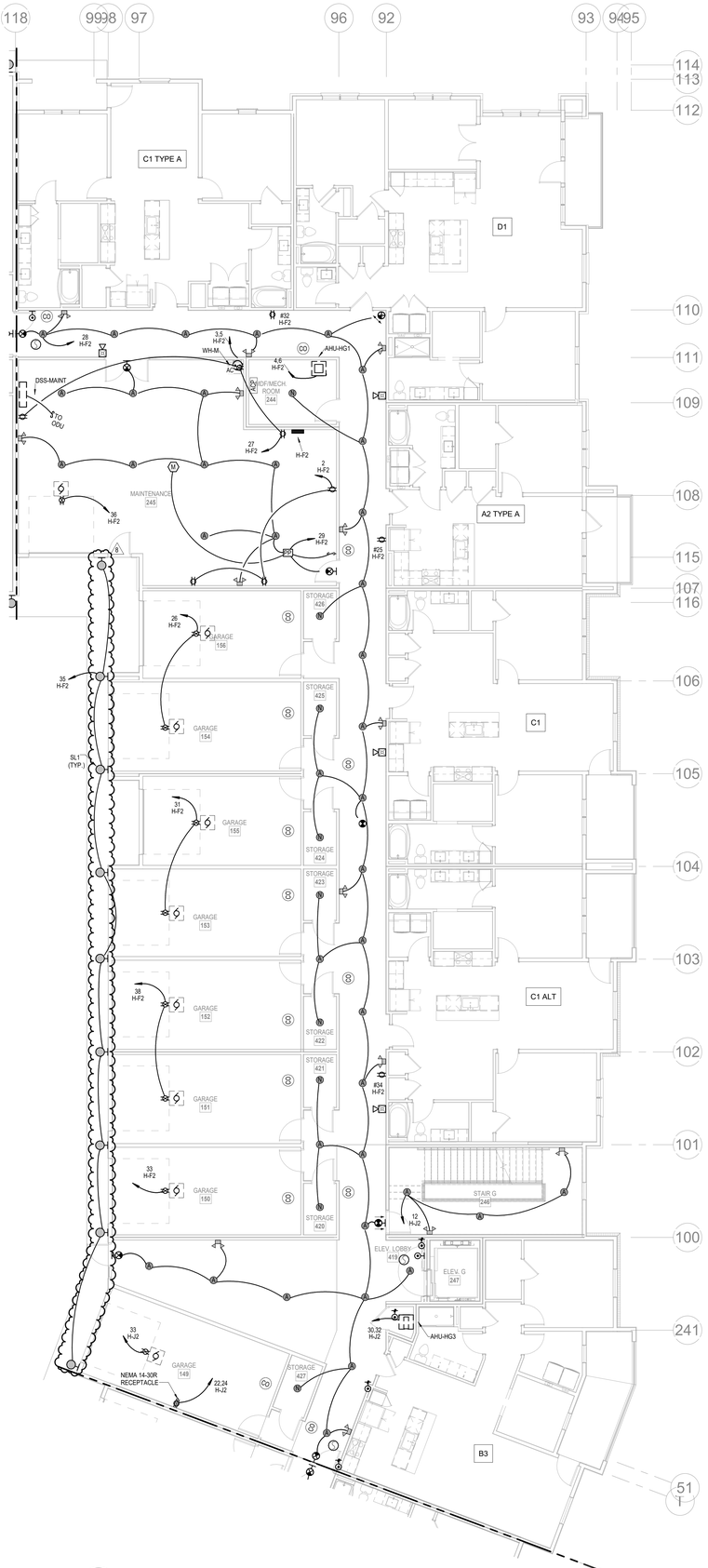
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT F - ROOF PLAN - ELECTRICAL
SHEET NO. E1.28

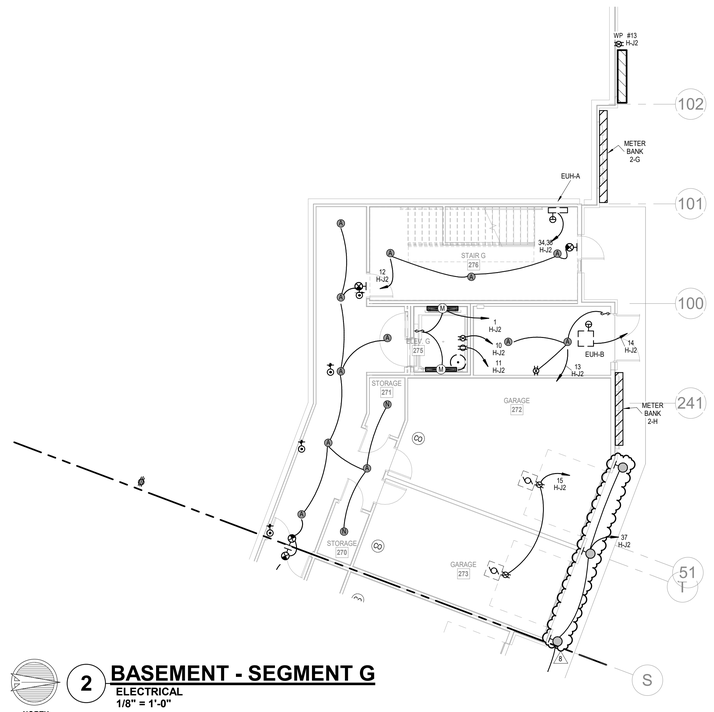
5/1/2023 3:49:05 PM

ARCH E1.30" x 42"



1 **1ST FLOOR - SEGMENT G**
ELECTRICAL
1/8" = 1'-0"

NORTH



2 **BASEMENT - SEGMENT G**
ELECTRICAL
1/8" = 1'-0"

NORTH

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
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3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
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11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.
14. GARAGE DOOR TO OPEN UPON CO DETECTION.

LEGEND:
(1) WP J.B. FOR RADON FAN

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NUMBER 2010019744
PROFESSIONAL ENGINEER
6/9/2023

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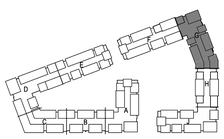
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

REVISIONS

2	23 0428	ADD 1CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4

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8625 College Boulevard, Suite 102
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

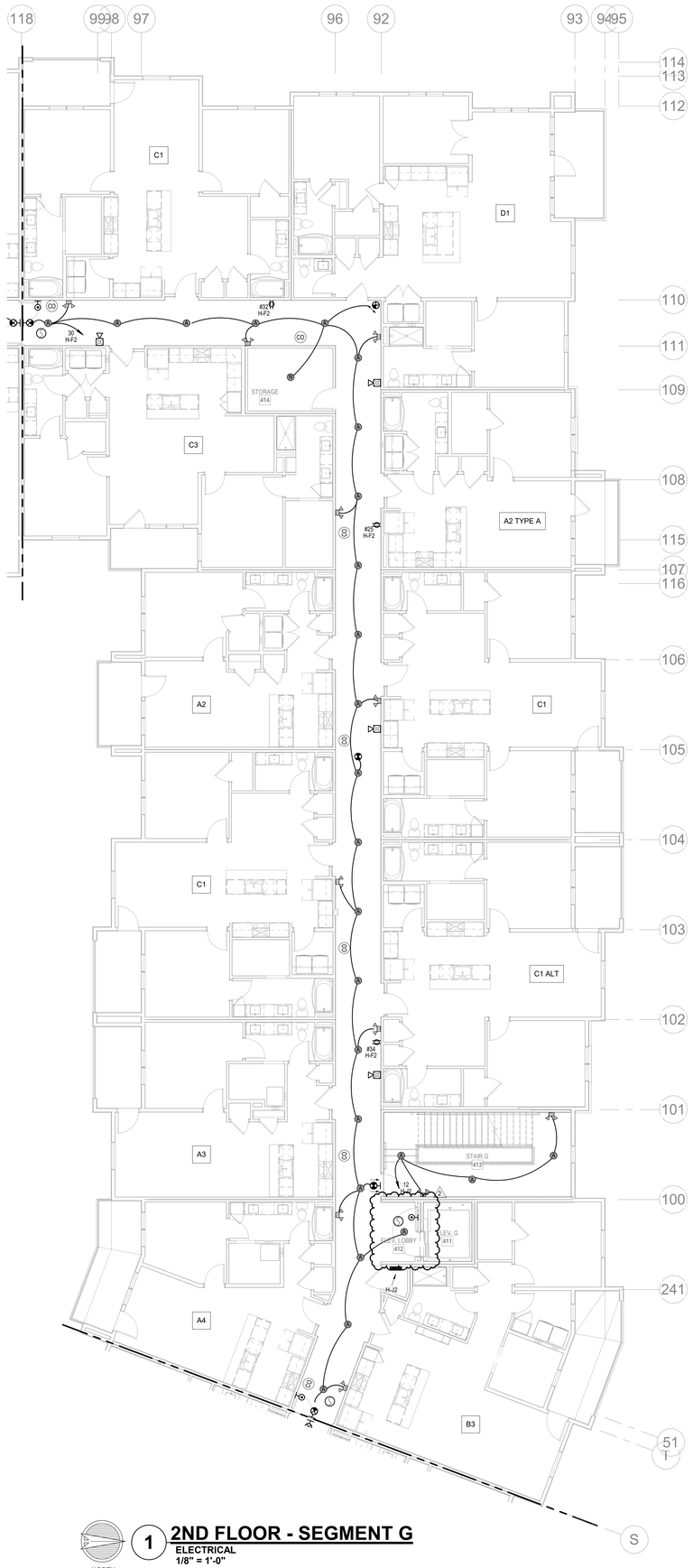
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023
CITY COMMENTS #3

SHEET NAME
SEGMENT G - BASEMENT & 1ST FLOOR - ELECTRICAL

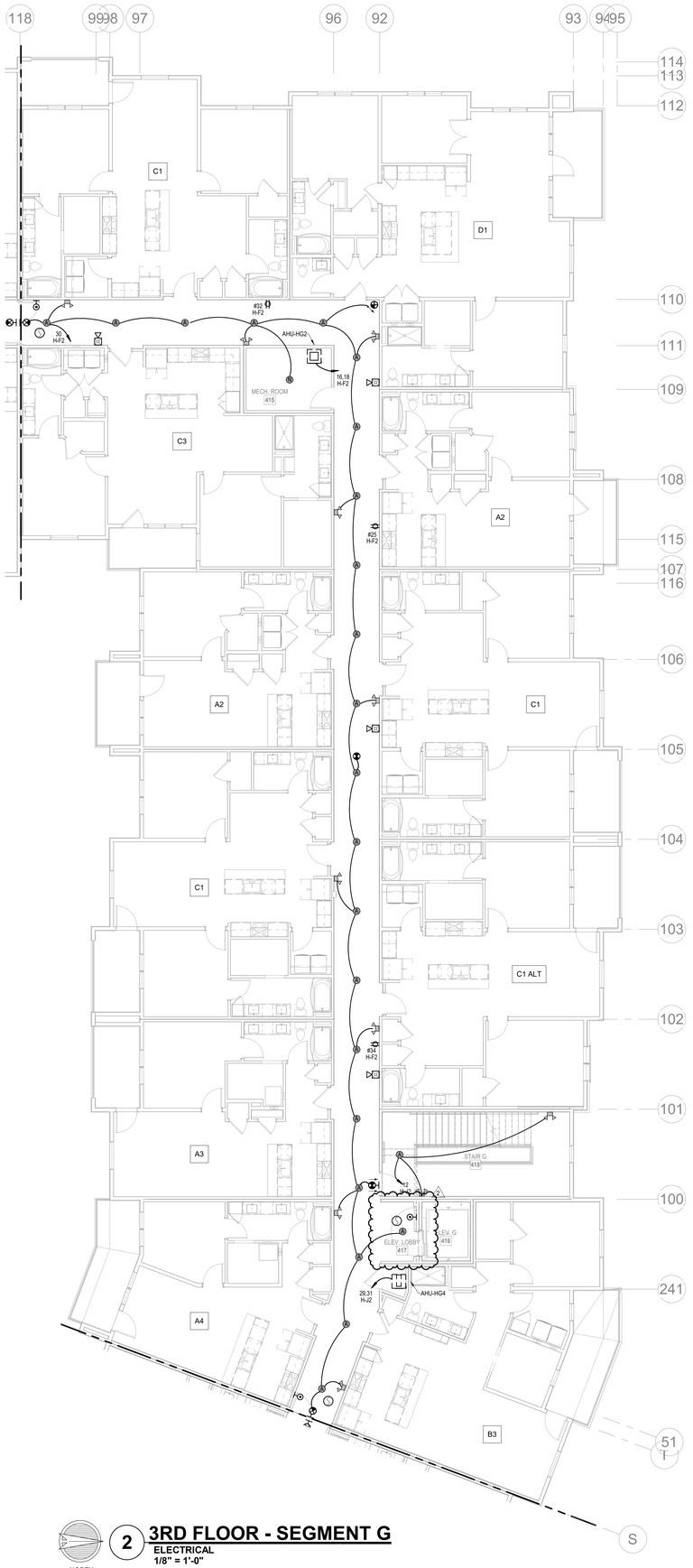
SHEET NO.
E1.29

8/10/2023 2:16:54 PM

ARCH E1.30" x 42"



1 **2ND FLOOR - SEGMENT G**
ELECTRICAL
1/8" = 1'-0"



2 **3RD FLOOR - SEGMENT G**
ELECTRICAL
1/8" = 1'-0"

NOTES:
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13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.

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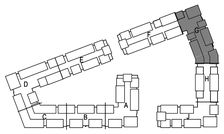
STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
04/28/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

△ REVISIONS
2 23 0428 ADD 1/CC 2

LS&A
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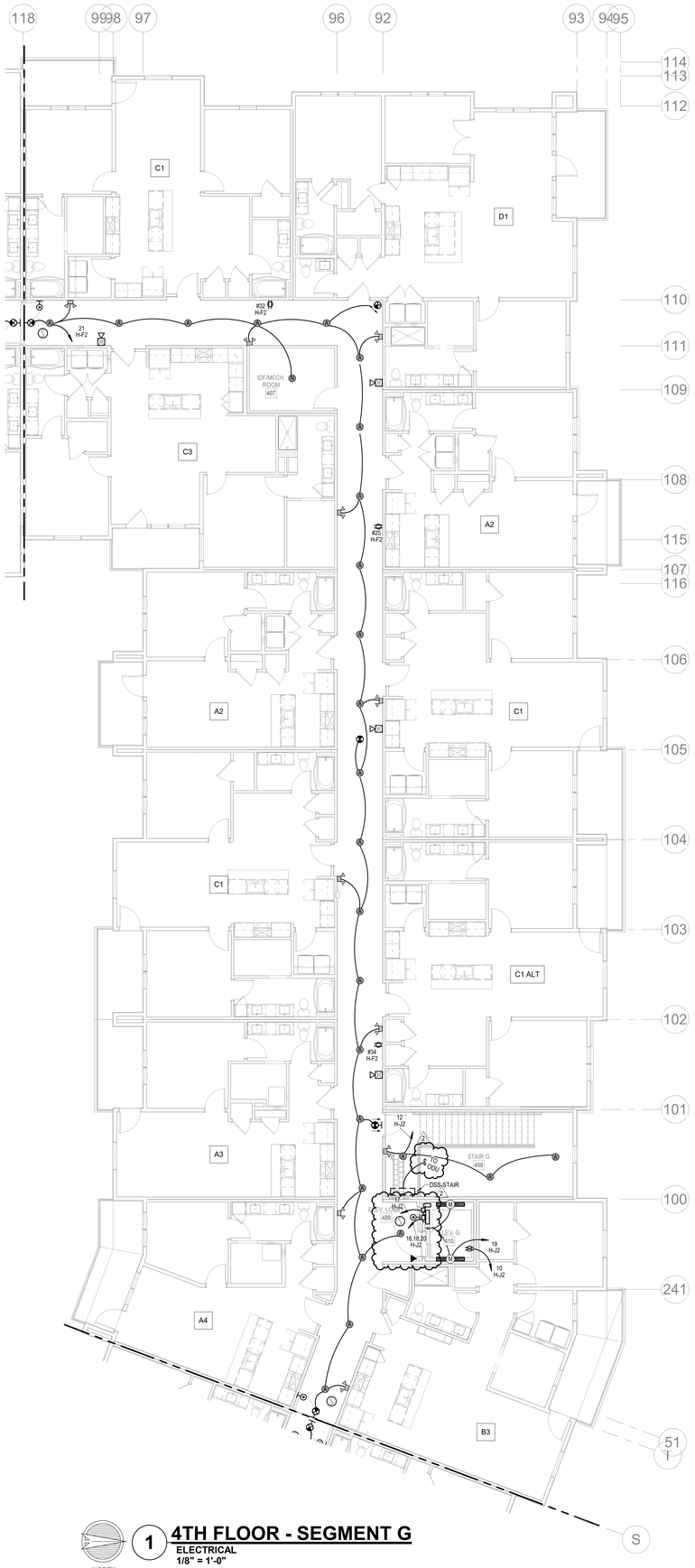
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME
SEGMENT G - 2ND & 3RD FLOOR - ELECTRICAL
SHEET NO.
E1.30

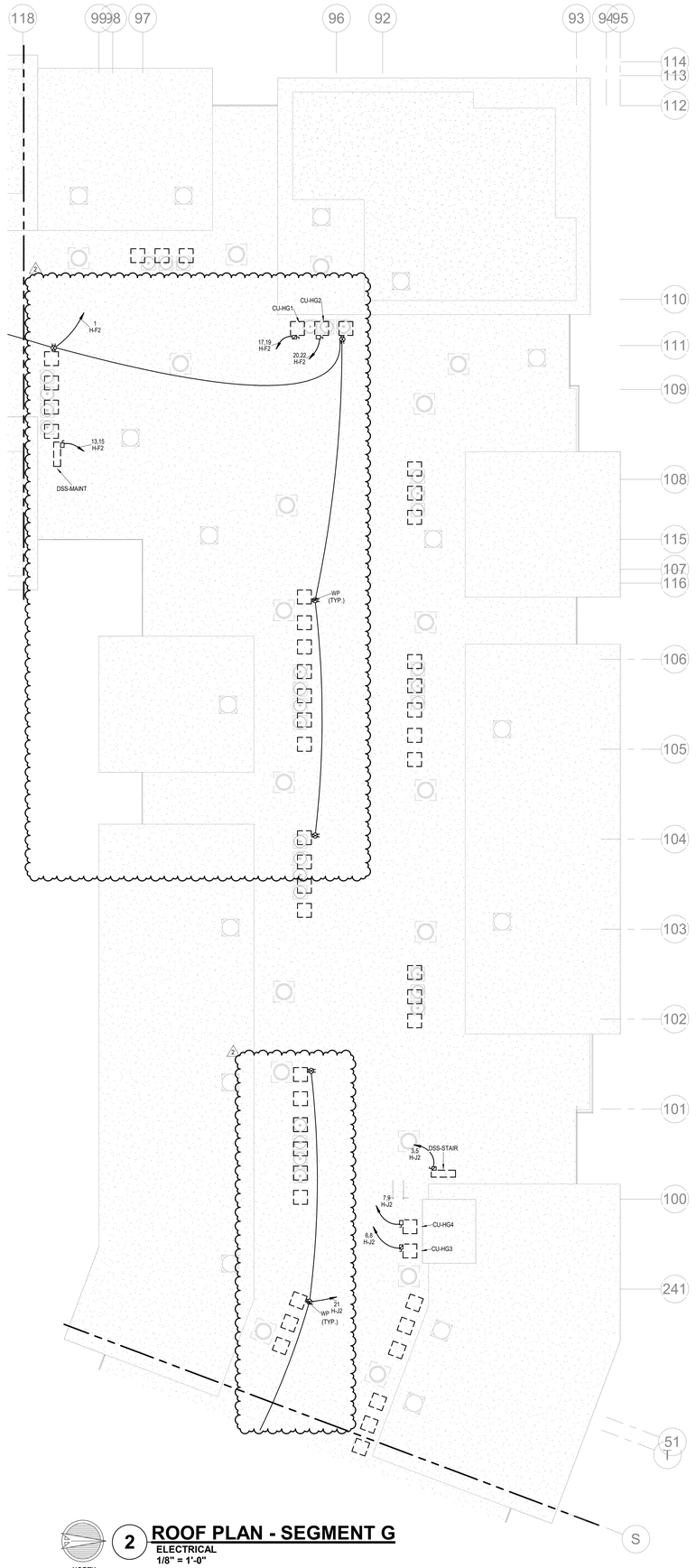
5/1/2023 3:49:35 PM

ARCH E1.30" x 42"



1 4TH FLOOR - SEGMENT G
ELECTRICAL
1/8" = 1'-0"

NORTH



2 ROOF PLAN - SEGMENT G
ELECTRICAL
1/8" = 1'-0"

NORTH

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    ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE
    ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER A-2007018744
PROFESSIONAL ENGINEER

04/28/2023

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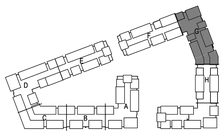
TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

△REVISIONS
2 23 0428 ADD 1/CC 2

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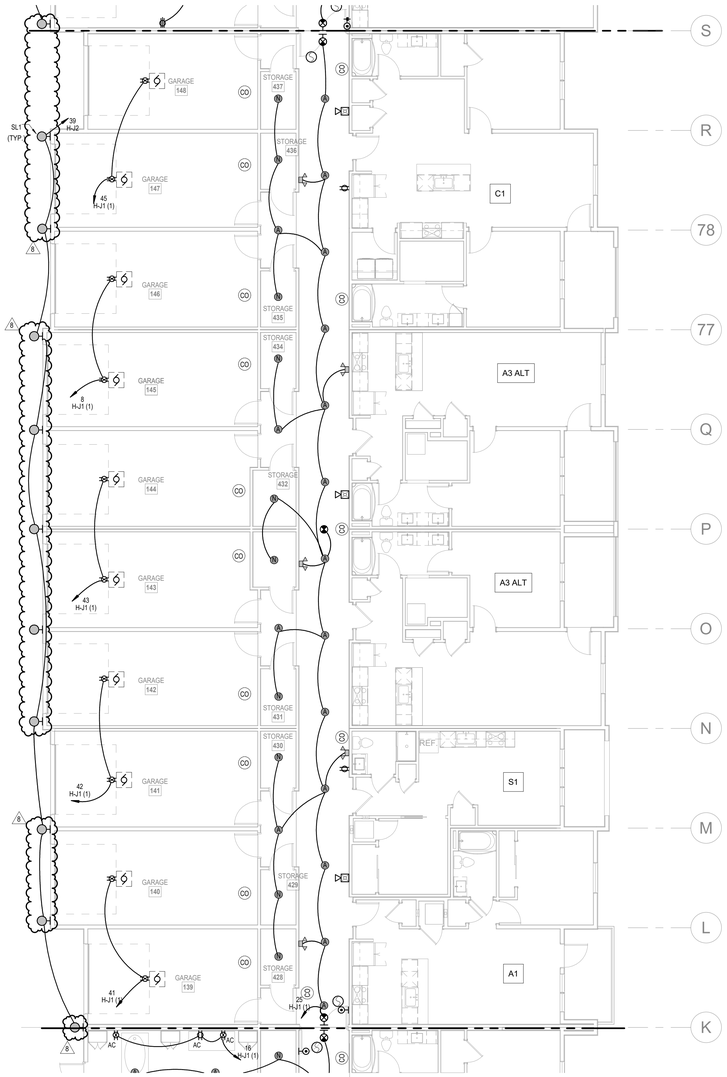
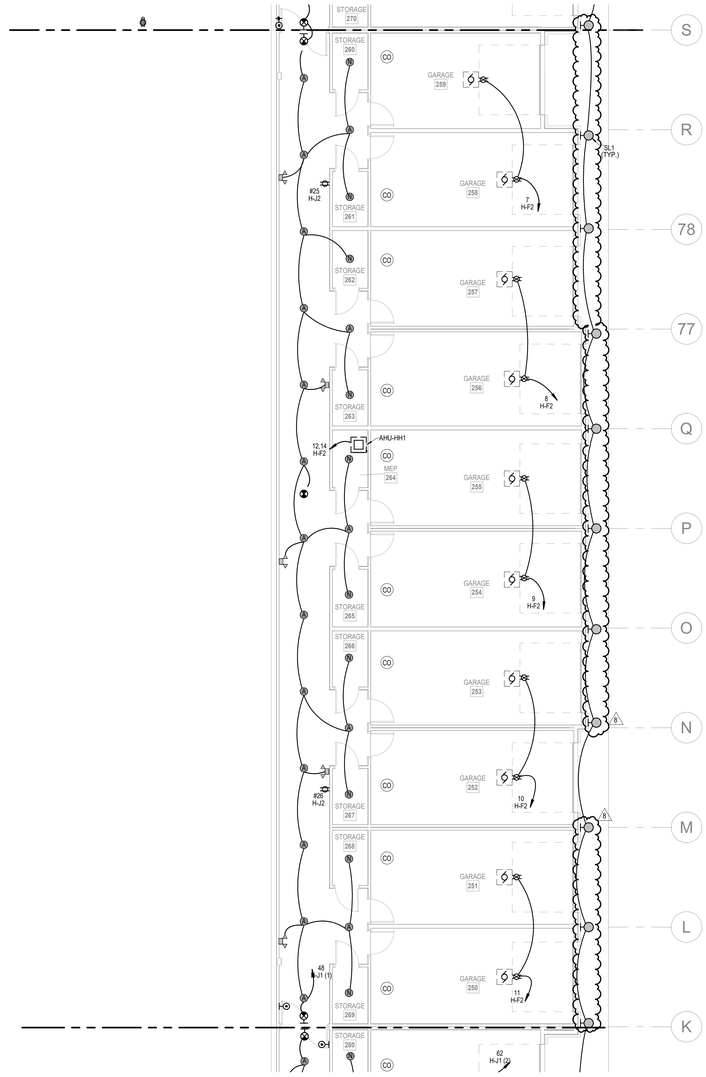
SHEET NAME
SEGMENT G - 4TH FLOOR & ROOF PLAN - ELECTRICAL
SHEET NO.
E1.31

5/1/2023 3:49:39 PM

ARCH E1.30" x 42"





1 **1ST FLOOR - SEGMENT H**
ELECTRICAL
1/8" = 1'-0"
NORTH

2 **BASEMENT - SEGMENT H**
ELECTRICAL
1/8" = 1'-0"
NORTH

NOTES:
1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING.
2. SEE FIRE SUPPRESSION SUBMITTALS AND INCORPORATE ALL DEVICES INTO FIRE ALARM.
3. EXIT LIGHTS SHALL BE VISIBLE TO OCCUPANTS.
4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
5. FOLLOW THE DRAWINGS FOR HOME RUNS AND CIRCUIT NUMBERS. DO NOT COMBINE CIRCUITS IN LARGER CONDUITS UNLESS PRE-APPROVED BY THE ENGINEER.
6. LABEL ALL JUNCTION BOXES AS TO THE PANEL AND CIRCUIT NUMBER SERVED.
7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
10. ALL DISC FIXTURES ARE TYPE A UNLESS NOTED OTHERWISE ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE ALL ⊗ ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE ALL ⊗ FIXTURES ARE TYPE X4 UNLESS NOTED OTHERWISE
11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
12. VERTICALLY ALIGNED FLOOR TO FLOOR RECEPTACLES TO BE ON SINGLE CIRCUIT
13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.
14. GARAGE DOOR TO OPEN UPON CO DETECTION.

LEGEND:
(1) WP J.B. FOR RADON FAN

ARCHITECTURE
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ENERGY SERVICES
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F. 913.831.1563
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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
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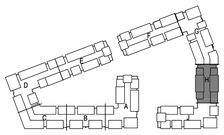
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE
NORTH

△REVISIONS

2	23.0428	ADD 1/CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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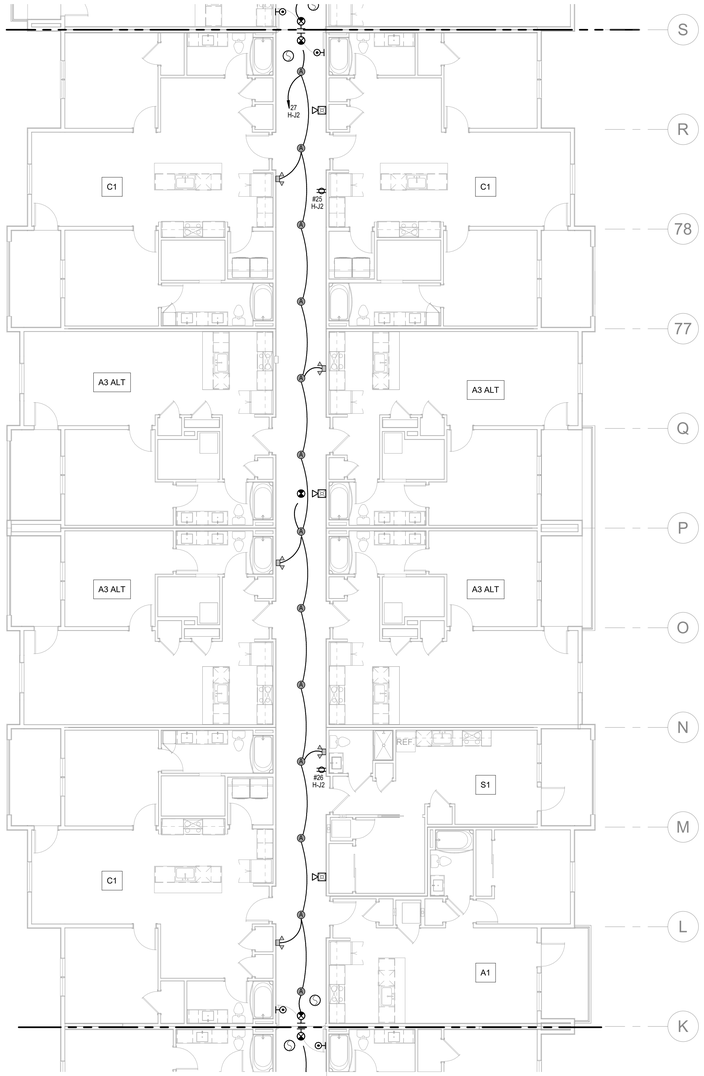
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT H - BASEMENT & 1ST FLOOR - ELECTRICAL
SHEET NO. E1.32

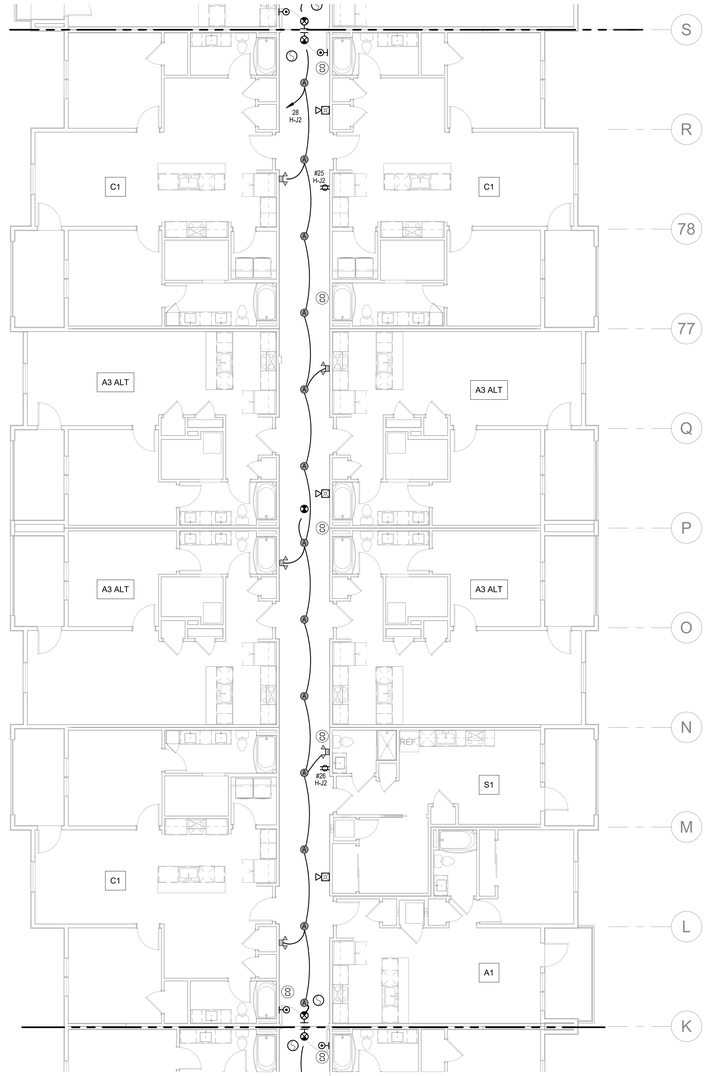
8/10/2023 2:19:01 PM

ARCH E1.50" x 42"



NORTH

1 3RD FLOOR - SEGMENT H
ELECTRICAL
1/8" = 1'-0"



NORTH

2 2ND FLOOR - SEGMENT H
ELECTRICAL
1/8" = 1'-0"

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4. PROVIDE NEC CLEARANCES FOR ALL PANELS AND ELECTRICAL EQUIPMENT.
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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

04/28/2023

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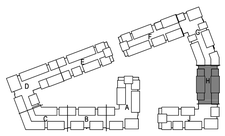
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



NORTH

KEY PLAN
NO SCALE

LS&A
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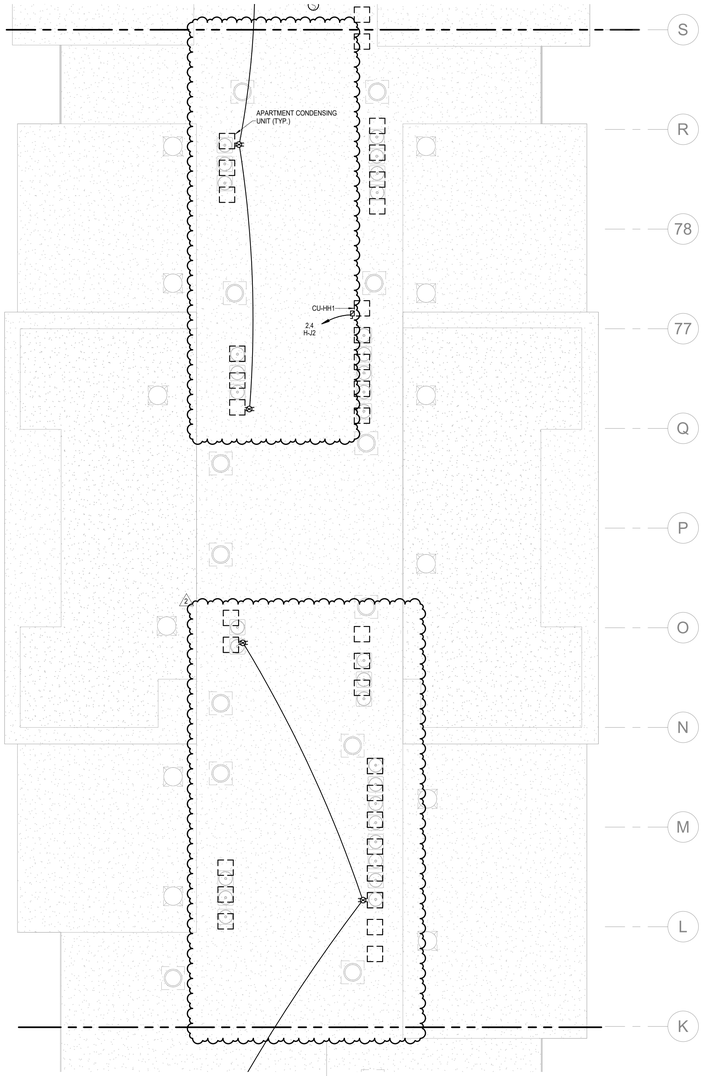
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/
CITY COMMENTS #2
SHEET NAME
SEGMENT H - 2ND & 3RD FLOOR - ELECTRICAL
SHEET NO.
E1.33

5/1/2023 3:49:47 PM

ARCH E1.30" x 42"



1 ROOF PLAN - SEGMENT H

ELECTRICAL
1/8" = 1'-0"

NORTH

2 4TH FLOOR - SEGMENT H

ELECTRICAL
1/8" = 1'-0"

NORTH

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ENERGY SERVICES

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NUMBER
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04/28/2023

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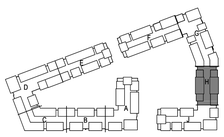

NORTH

KEY PLAN

NO SCALE

△REVISIONS
2 23 0428 ADD 1/CC 2

LS&A
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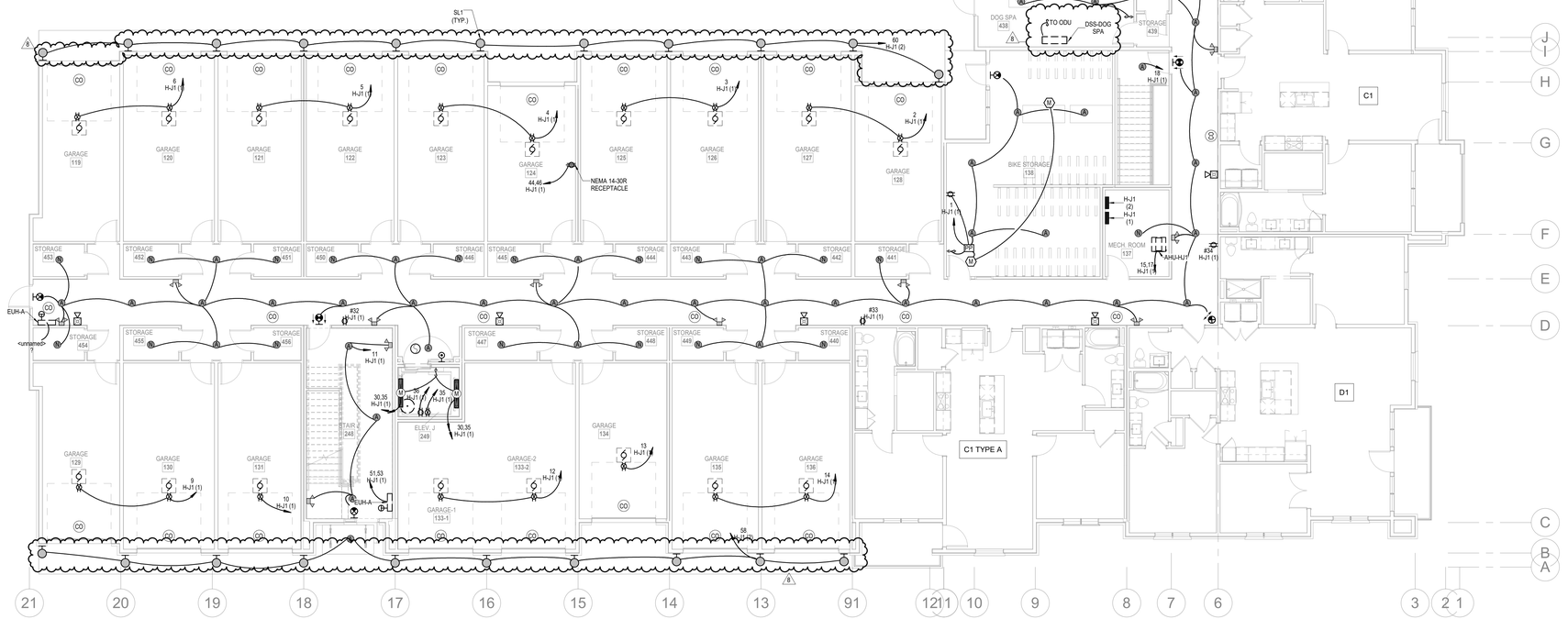
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/
CITY COMMENTS #2
SHEET NAME
SEGMENT H - 4TH FLOOR & ROOF PLAN - ELECTRICAL
SHEET NO.
E1.34

5/1/2023 3:49:50 PM

ARCH E1.35" x 42"

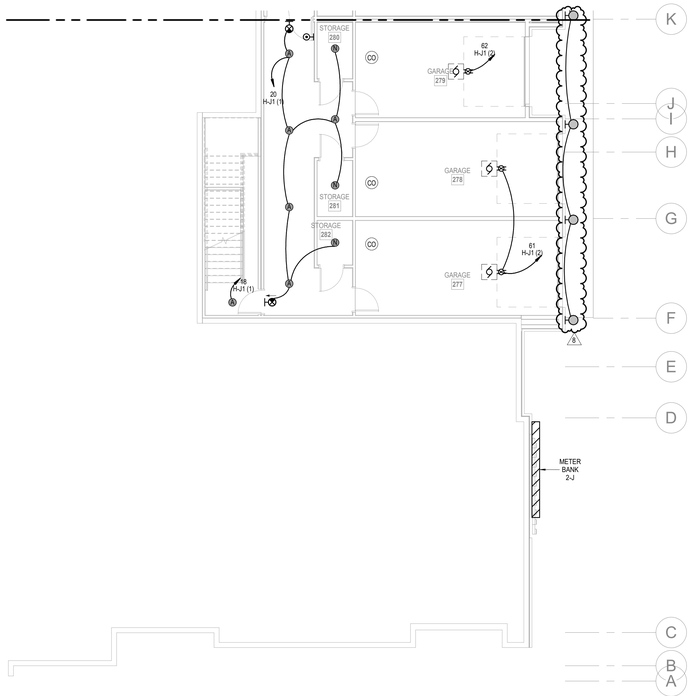


NORTH

1 1ST FLOOR - SEGMENT J

ELECTRICAL

1/8" = 1'-0"



NORTH

2 BASEMENT - SEGMENT J

ELECTRICAL

1/8" = 1'-0"

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11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT.
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13. REVIEW HVAC PLANS FOR FIRE/SMOKE DAMPERS AND CONNECT TO 120V AND FIRE ALARM.
14. GARAGE DOOR TO OPEN UPON CO DETECTION.

LEGEND:
(1) WP J.B. FOR RADON FAN

ARCHITECTURE
LANDSCAPE ARCHITECTURE
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NUMBER 2010035010
PROFESSIONAL ENGINEER
6/9/2023

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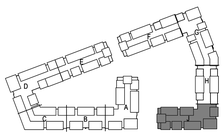

NORTH

KEY PLAN

NO SCALE

△ REVISIONS

2	23.04.05	ADD 1/CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4

LS&A
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8625 College Boulevard, Suite 102
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD

5/17/2023
CITY COMMENTS #3

SHEET NAME
SEGMENT J - BASEMENT & 1ST FLOOR - ELECTRICAL

SHEET NO.
E1.35

8/10/2023 2:19:08 PM

ARCH E1.30" x 42"

NORTH

1 2ND FLOOR - SEGMENT J
ELECTRICAL
1/8" = 1'-0"

NORTH

2 3RD FLOOR - SEGMENT J
ELECTRICAL
1/8" = 1'-0"

NOTES:

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    ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE
    ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE
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NUMBER 2010035722
PROFESSIONAL ENGINEER

04/28/2023

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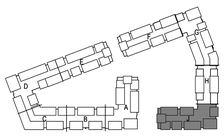
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



△ REVISIONS
2 23.0428 ADD 1/CC 2

NORTH

KEY PLAN
NO SCALE

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LSA PROJECT NO. 2204061

JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME
SEGMENT J - 2ND & 3RD FLOOR - ELECTRICAL
SHEET NO.
E1.36

5/1/2023 3:45:58 PM

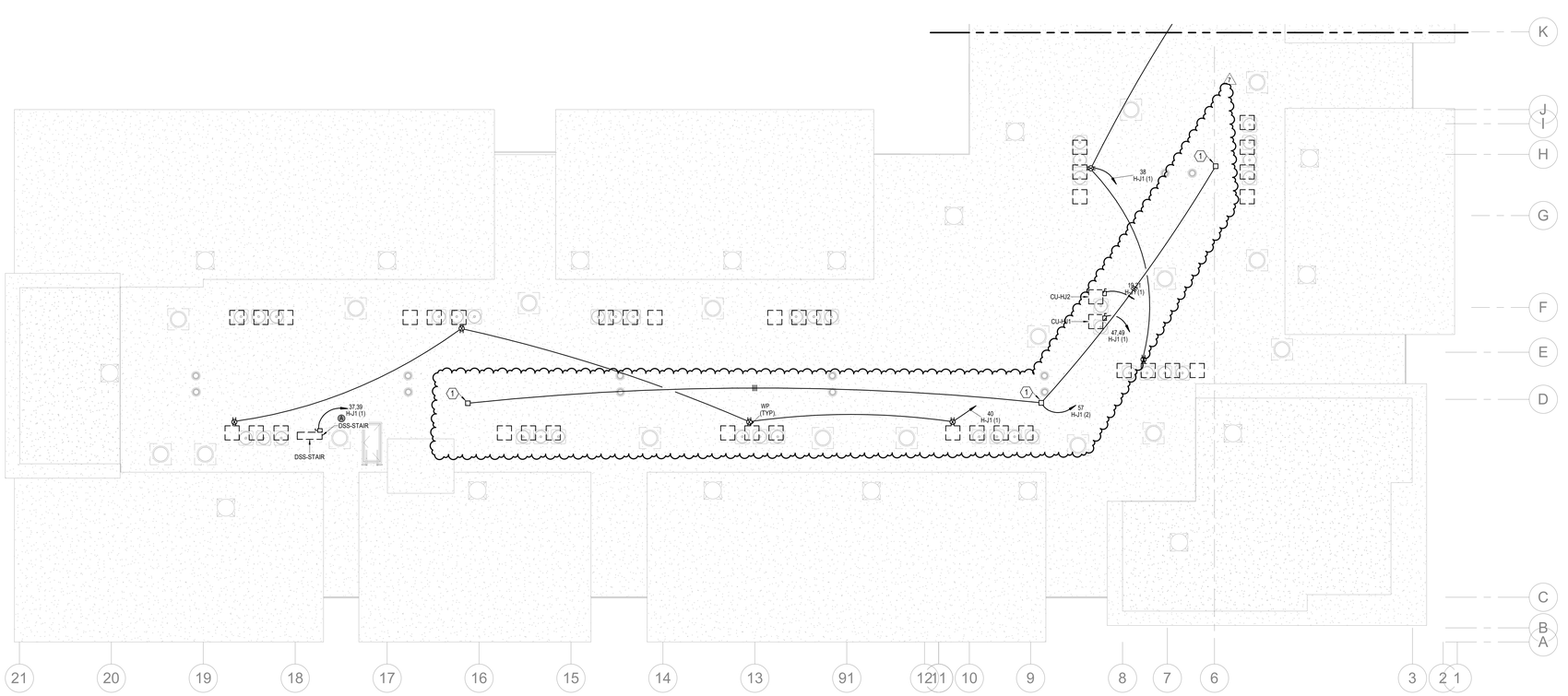
ARCH E1.30" x 42"

NORTH

1 4TH FLOOR - SEGMENT J

ELECTRICAL

1/8" = 1'-0"



NORTH

2 ROOF PLAN - SEGMENT J

ELECTRICAL

1/8" = 1'-0"

NOTES:

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LEGEND:

1 WP J.B. FOR RADON FAN

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NUMBER 2010035744
PROFESSIONAL ENGINEER

6/9/2023

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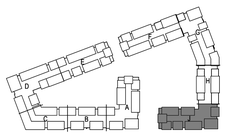
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

△ REVISIONS

2	23.04.26	ASD 1/CC 2	
7	23-07-13	ASI 3	

LS&A
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DRAWN BY LSA CAD

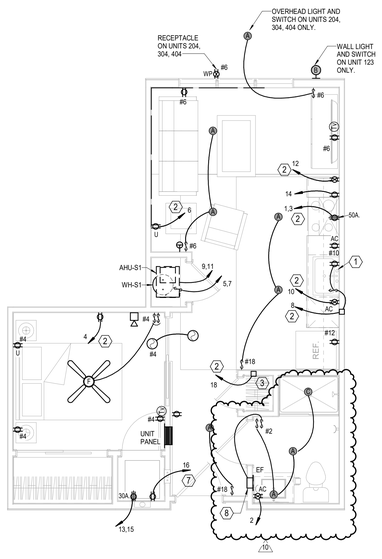
5/17/2023
CITY COMMENTS #3

SHEET NAME
SEGMENT J - 4TH FLOOR & ROOF PLAN - ELECTRICAL

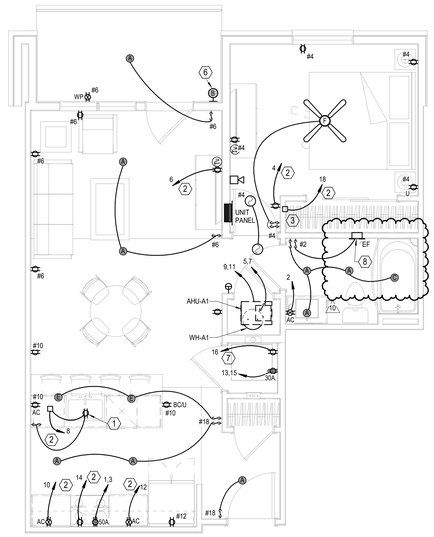
SHEET NO.
E1.37

7/13/2023 4:28:02 PM

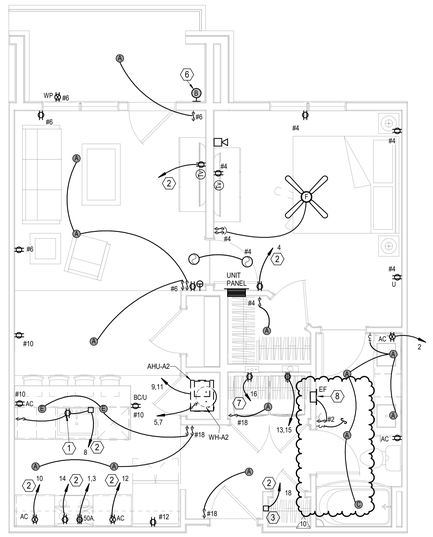
ARCH E1.30" x 42"



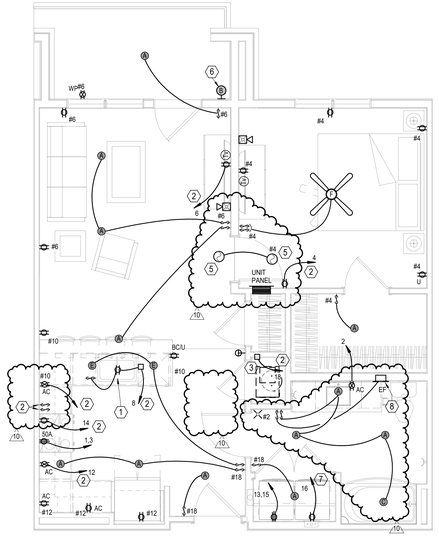
1 UNIT S1
ELECTRICAL
1/4" = 1'-0"



2 UNIT A1
ELECTRICAL
1/4" = 1'-0"



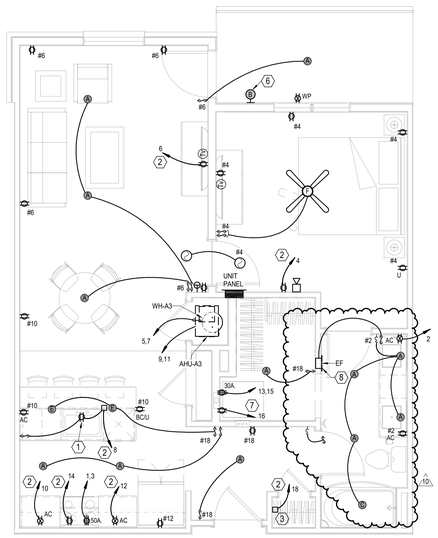
3 UNIT A2
ELECTRICAL
1/4" = 1'-0"



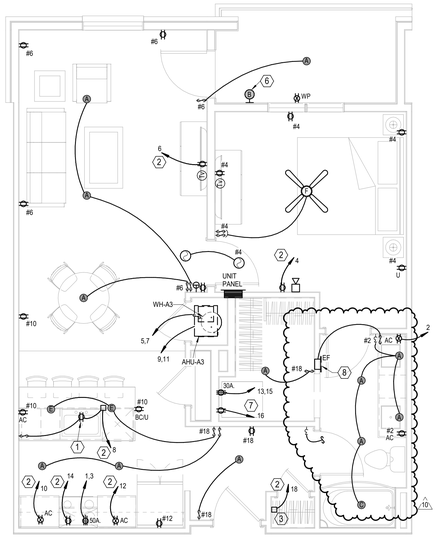
4 UNIT A2 TYPE A
ELECTRICAL
1/4" = 1'-0"

UNIT ELECTRICAL NOTES:
1. CEILING FAN SWITCHES PROVIDED WITH FAN. CONTROL LIGHT AND FAN SEPARATELY. INTENDED FOR SINGLE GANG BOX.
2. CENTER KITCHEN ISLAND PENDANT LIGHTS OVER BASE BACK WALL AND CENTERED EQUALLY LEFT TO RIGHT OVER SINK. THESE ARE SEPARATELY SWITCHED.
3. GENERALLY CENTER LIGHT ON WINDOWS, DOOR, HALLWAYS, SINKS, OVER TUBS, ETC. VERIFY ALL LOCATIONS IN EACH UNIT DIMENSIONALLY WITH ARCHITECT, INTERIOR DESIGNER AND OWNER. MOUNT SWITCHES CLOSE TO DOORS OR WALL CORNERS.
4. THERMOSTATS HAVE LOW VOLTAGE WIRE BACK TO AHU. CONDENSING UNITS HAVE LOW VOLTAGE WIRE BACK TO AHU.
6. (2) = 120V. SM0KE ALARM WITH BATTERY BACK-UP AND AUXILIARY CONTACT SO ALL SOUND TOGETHER.
7. CO ALARM JUST OUTSIDE BEDROOMS ONLY AND NOT TWO FLOORS ABOVE GARAGE LEVEL. BLDG 3 AND 4 HAVE NO CO ALARMS.
8. ALL ARC—FAULT CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH CEILING FANS, COMPACT AND STANDARD FLUORESCENT AND LED LAMPS/FIXTURES AND OTHER ELECTRONIC DEVICES.
9. 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".
10. FIRE ALARM HORN/STROBE CIRCUITS SHALL BE SIZED TO ACCEPT BEDROOM HORN/STROBES IN FUTURE INCLUDING WIRING AND PANEL CAPACITY.
11. ALL RANGES SERVED BY (3) #8 A (1) # 10 AND 50A. RECEPTACLE.
12. ALL WATER HEATERS SERVED BY (3) #10. ALL DRYERS SERVED BY (4) #10 AND 30A. RECEPTACLE.
13. ALL WASHERS AND REFRIGERATORS HAVE RECEPTACLES AT 48".
14. MOUNT TV OUTLET AND ADJACENT PLUG AT 48" IN LIVING ROOMS AND BEDROOMS.
15. SEE HVAC SCHEDULE AND SHOP DRAWINGS FOR AHU AND HEAT PUMP CRCUITS.
16. MOUNT TOP BREAKER IN UNIT PANELS AT 48" AFF.
17. BELOW COUNTER RECEPTACLES AND PLATES SHALL MATCH THE BASE CABINETS WHERE THEY ARE MOUNTED (BROWN, WHITE, ETC.) VERIFY WITH ARCHITECT.
18. PROVIDE ALTERNATE FOR ARC-FAULT CIRCUITS AS SHOWN. BASE BID TO HAVE ARC-FUALT ON BEDROOM AND LIVING ROOM CKTS ONLY.

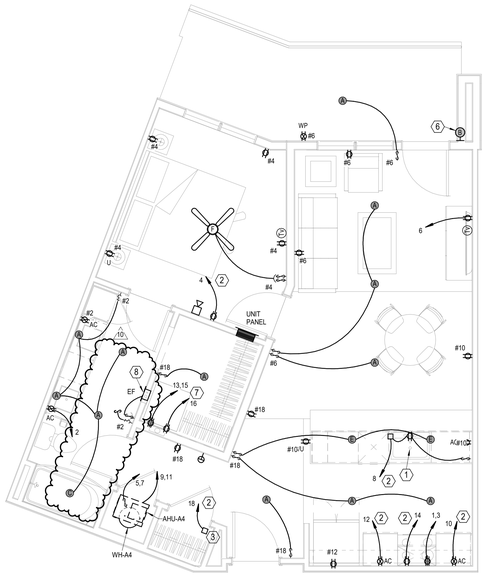
LEGEND:
(1) SWITCHED RECEPTABLE FOR GARBAGE DISPOSER. CONTINUE CIRCUIT TO DISHWASHER. TO GFI BREAKER.
(2) PROVIDE ARC-FAULT BREAKER IN PANEL.
(3) TELE/TV DEMARK FLUSH BOX WITH DUPLEX OUTLET. SEE DETAIL.
(4) SWITCHES FOR OVERHEAD MW FAN & LIGHT.
(5) SMOKE ALARM TO HAVE STROBES.
(6) TOP FLOOR UNITS TO RECEIVE WALL SCONE TYPE "B".
(7) TO COMBINATION GFI AND ARC FAULT BREAKER.
(8) PROVIDE HOT WIRE AND SWITCH LEG TO EXHAUST FAN.



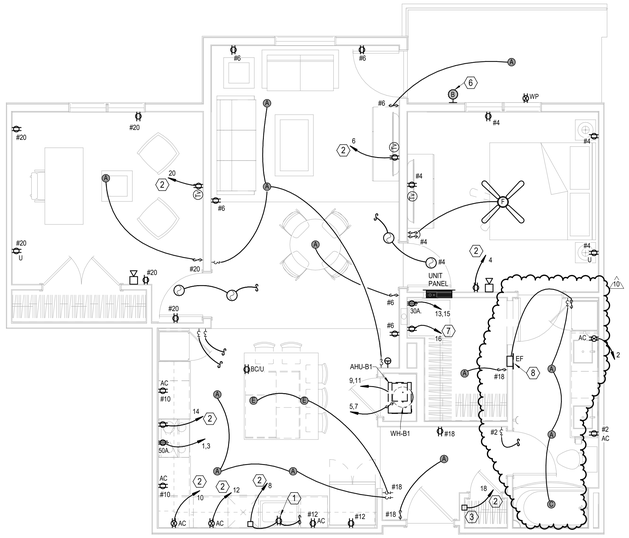
5 UNIT A3
ELECTRICAL
1/4" = 1'-0"



6 UNIT A3 ALT 1
ELECTRICAL
1/4" = 1'-0"



7 UNIT A4
ELECTRICAL
1/4" = 1'-0"



8 UNIT B1
ELECTRICAL
1/4" = 1'-0"

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NSPJARCH.COM
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

2	23.0428	ADD 1CC 2
7	23-07-13	ASI 3
8	23-09-11	ASI 4
10	23-09-15	ASI 6

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
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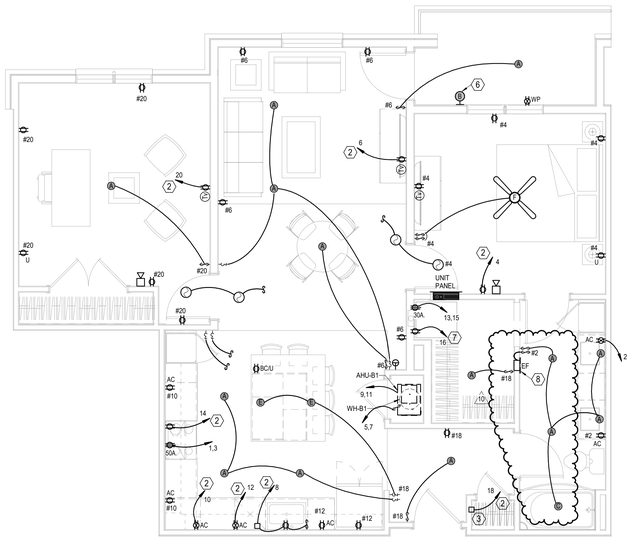
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

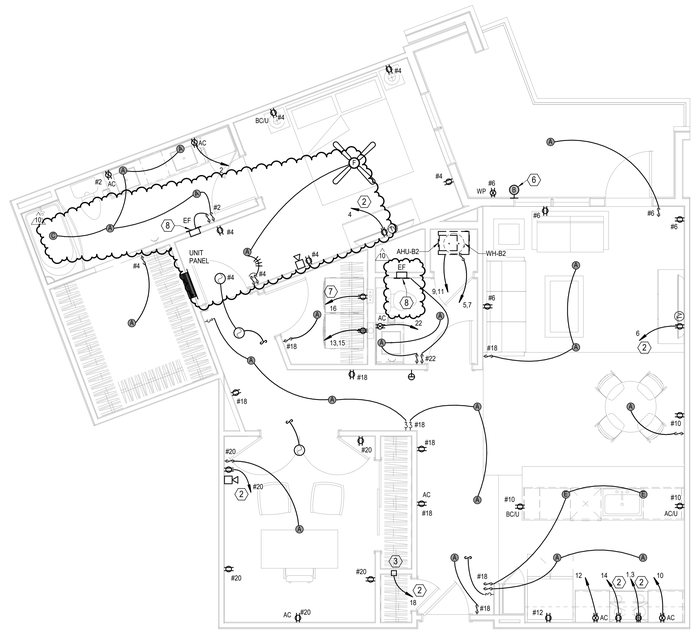
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - ELECTRICAL
SHEET NO. E2.01

9/15/2023 9:44:10 AM

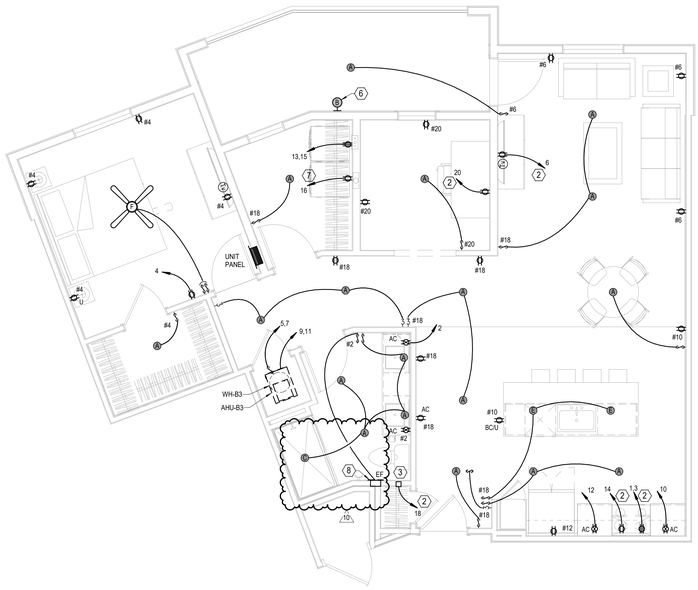
ARCH E1.30" x 42"



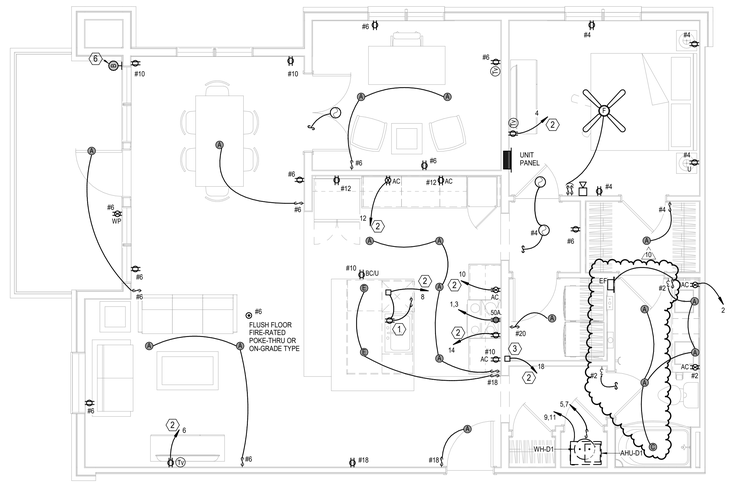
1 UNIT B1 ALT
ELECTRICAL
1/4" = 1'-0"



2 UNIT B2
ELECTRICAL
1/4" = 1'-0"



3 UNIT B3
ELECTRICAL
1/4" = 1'-0"



4 UNIT B4
ELECTRICAL
1/4" = 1'-0"

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6. (D) = 120V. SM0KE ALARM WITH BATTERY BACK-UP AND AUXILIARY CONTACT SO ALL SOUND TOGETHER.
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13. ALL WASHERS AND REFRIGERATORS HAVE RECEPTACLES AT 48".
14. MOUNT TV OUTLET AND ADJACENT PLUG AT 48" IN LIVING ROOMS AND BEDROOMS.
15. SEE HVAC SCHEDULE AND SHOP DRAWINGS FOR AHU AND HEAT PUMP CRCUITS.
16. MOUNT TOP BREAKER IN UNIT PANELS AT 48" AFF.
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F. 913.831.1563
NSPJARCH.COM
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010018010
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.13.2023 - PERMIT SUBMITTAL

REVISIONS

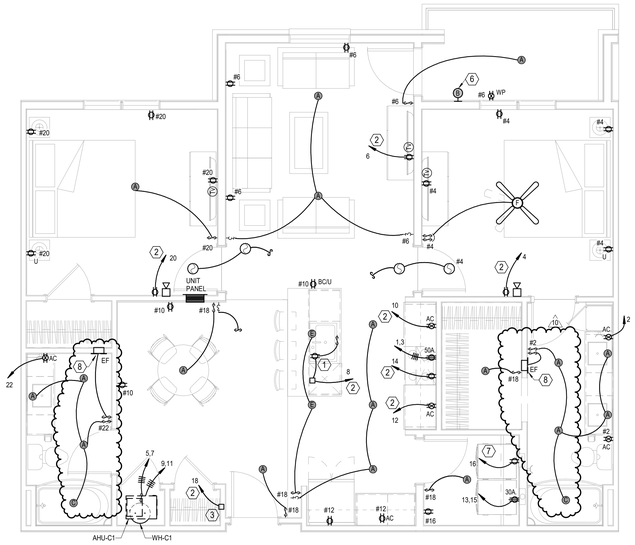
2	23.0428	ADD 1CC 2
7	23-07-13	ASI 3
10	23-09-15	ASI 8

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

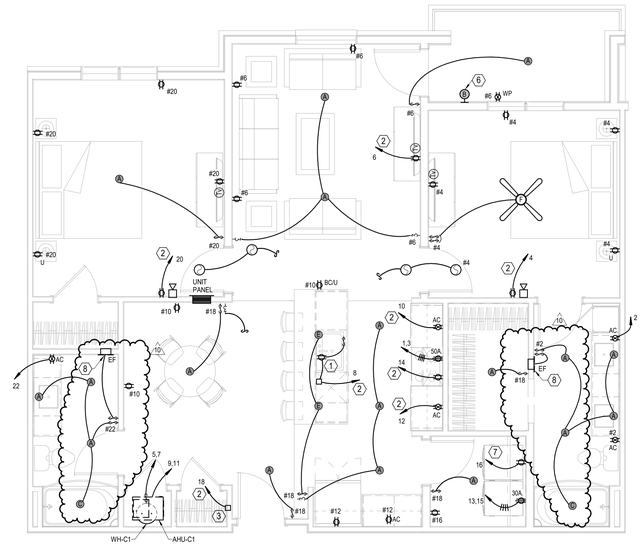
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - ELECTRICAL
SHEET NO. E2.02

9/15/2023 9:44:21 AM

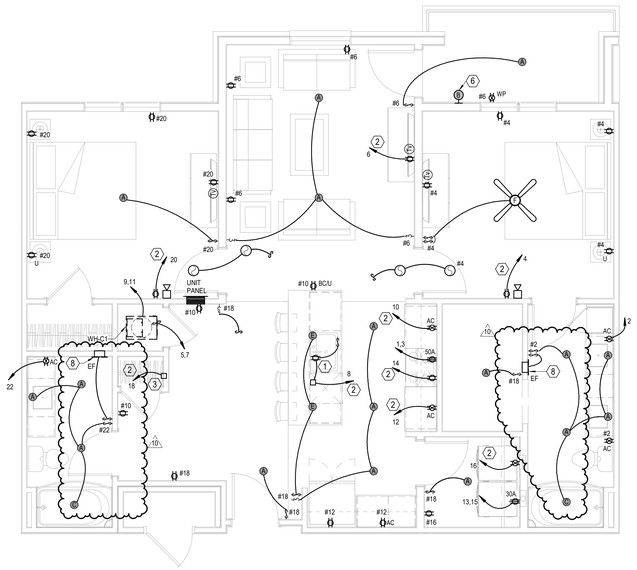
ARCH E1.50" x 42"



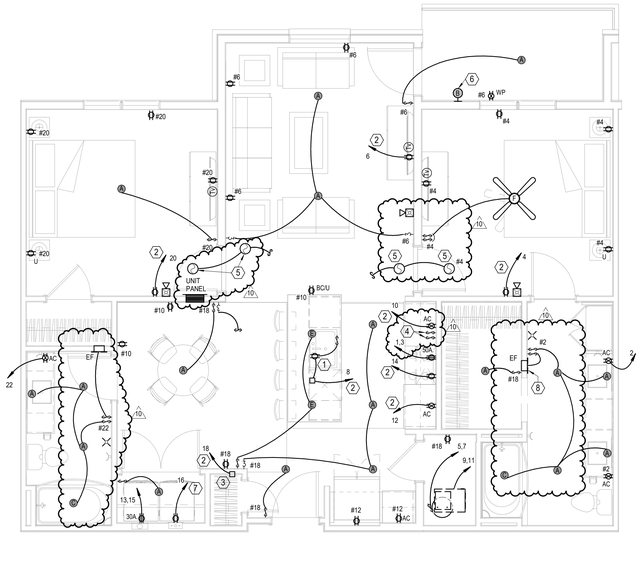
1 UNIT C1
ELECTRICAL
1/4" = 1'-0"



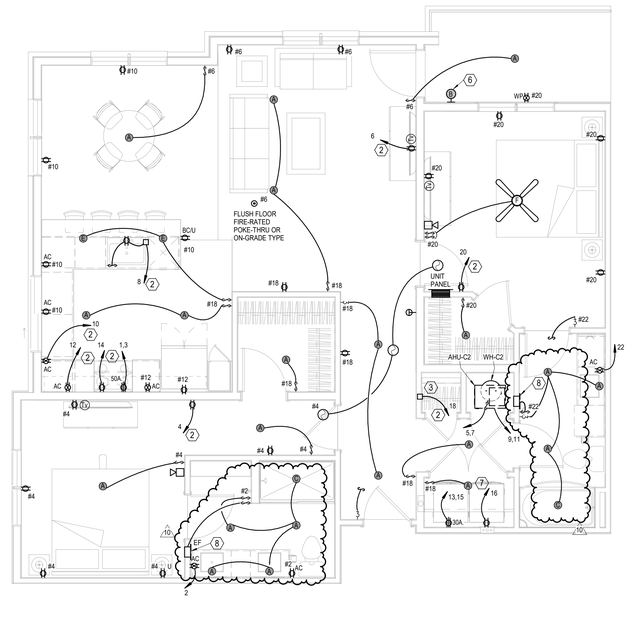
2 UNIT C1 ALT
ELECTRICAL
1/4" = 1'-0"



3 UNIT C1 ALT 2
ELECTRICAL
1/4" = 1'-0"



4 UNIT C1 TYPE A
ELECTRICAL
1/4" = 1'-0"



5 UNIT C2
ELECTRICAL
1/4" = 1'-0"

UNIT ELECTRICAL NOTES:

1. CEILING FAN SWITCHES PROVIDED WITH FAN. CONTROL LIGHT AND FAN SEPARATELY. INTENDED FOR SINGLE GANG BOX.
2. CENTER KITCHEN ISLAND PENDANT LIGHTS OVER BASE BACK WALL AND CENTERED EQUALLY LEFT TO RIGHT OVER SINK. THESE ARE SEPARATELY SWITCHED.
3. GENERALLY CENTER LIGHT 0N WINDOWS, DOOR, HALLWAYS, SINKS, OVER TUBS, ETC. VERIFY ALL LOCATIONS IN EACH UNIT DIMENSIONALLY WITH ARCHITECT, INTERIOR DESIGNER AND OWNER. MOUNT SWITCHES CLOSE TO DOORS OR WALL CORNERS.
4. THERMOSTATS HAVE LOW VOLTAGE WIRE BACK TO AHU. CONDENSING UNITS HAVE LOW VOLTAGE WIRE BACK TO AHU.
6. (Z) = 120V. SM0KE ALARM WITH BATTERY BACK-UP AND AUXILIARY CONTACT SO ALL SOUND TOGETHER.
7. CO ALARM JUST OUTSIDE BEDROOMS ONLY AND NOT TWO FLOORS ABOVE GARAGE LEVEL. BLDG 3 AND 4 HAVE NO CO ALARMS.
8. ALL ARC—FAULT CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH CEILING FANS, COMPACT AND STANDARD FLUORESCENT AND LED LAMPS/FIXTURES AND OTHER ELECTRONIC DEVICES.
9. 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".
10. FIRE ALARM HORN/STROBE CIRCUITS SHALL BE SIZED TO ACCEPT BEDROOM HORN/STROBES IN FUTURE INCLUDING WIRING AND PANEL CAPACITY.
11. ALL RANGES SERVED BY (3) #8 A (1) # 10 AND 50A. RECEPTACLE.
12. ALL WATER HEATERS SERVED BY (3) #10. ALL DRYERS SERVED BY (4) #10 AND 30A. RECEPTACLE.
13. ALL WASHERS AND REFRIGERATORS HAVE RECEPTACLES AT 48".
14. MOUNT TV OUTLET AND ADJACENT PLUG AT 48" IN LIVING ROOMS AND BEDROOMS.
15. SEE HVAC SCHEDULE AND SHOP DRAWINGS FOR AHU AND HEAT PUMP CRCUITS.
16. MOUNT TOP BREAKER IN UNIT PANELS AT 48" AFF.
17. BELOW COUNTER RECEPTACLES AND PLATES SHALL MATCH THE BASE CABINETS WHERE THEY ARE MOUNTED (BROWN, WHITE, ETC.) VERIFY WITH ARCHITECT.
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LEGEND:

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2. PROVIDE ARC-FAULT BREAKER IN PANEL.
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7. TO COMBINATION GFI AND ARC FAULT BREAKER.
8. PROVIDE HOT WIRE AND SWITCH LEG TO EXHAUST FAN.

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010018010
PROFESSIONAL ENGINEER
6/9/2023

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TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

2	23.0428	ADD 1CC 2
7	23-07-13	ASI 3
10	23-09-15	ASI 6

LS&A
Latimer Sommers & Associates P.A.
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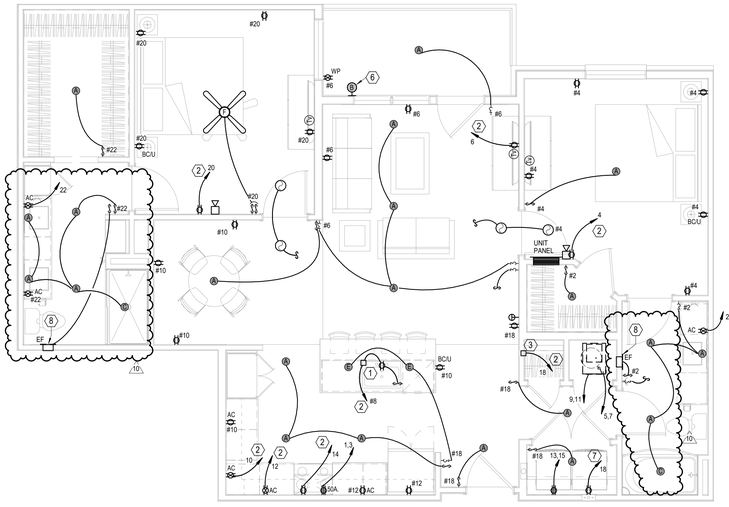
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

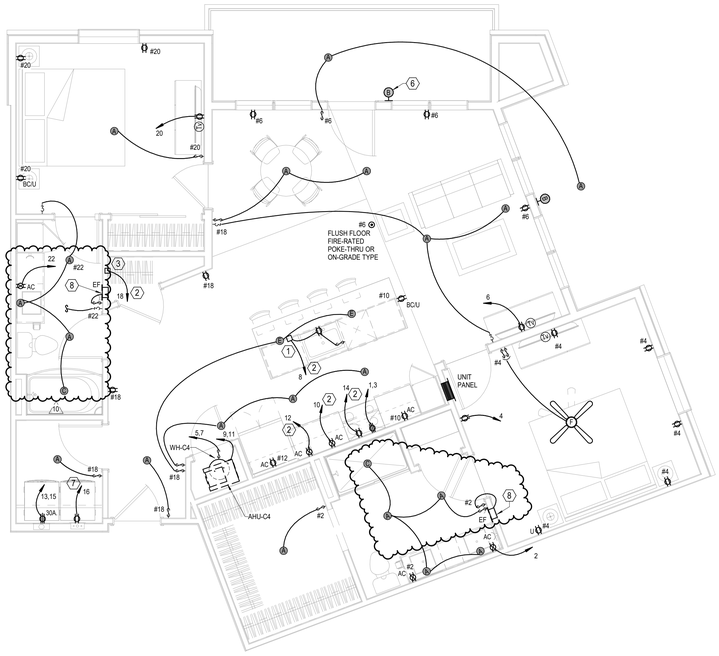
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - ELECTRICAL
SHEET NO. E2.03

9/15/2023 9:44:36 AM

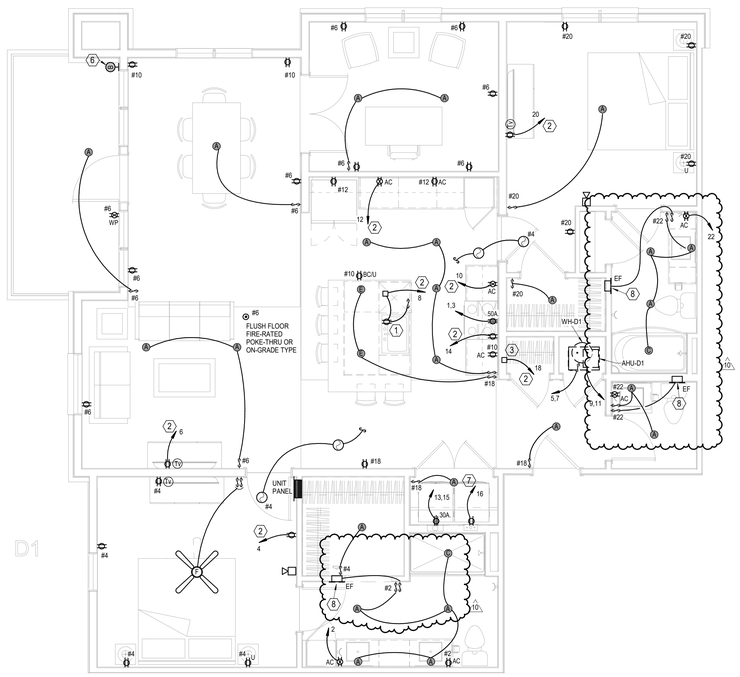
ARCH E1.30" x 42"



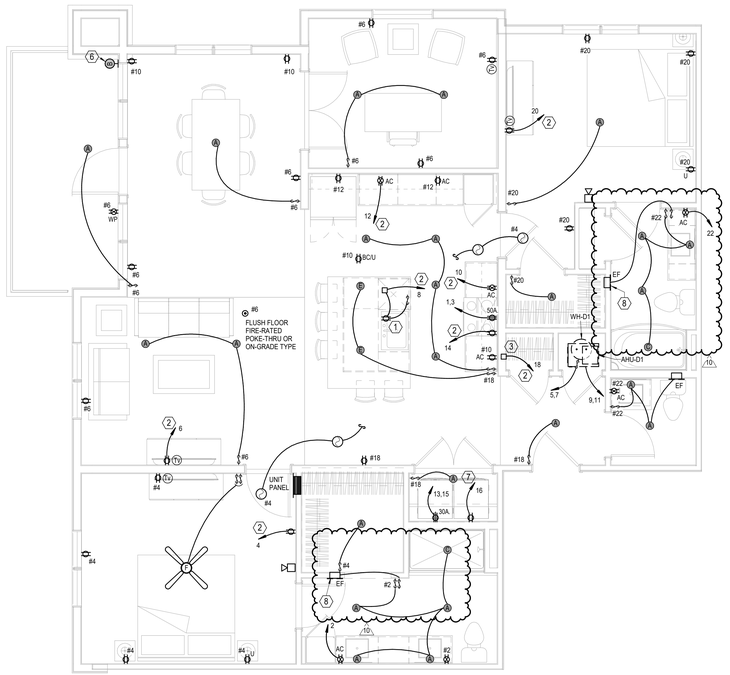
1 UNIT C3
ELECTRICAL
1/4" = 1'-0"



2 UNIT C4
ELECTRICAL
1/4" = 1'-0"



3 UNIT D1
ELECTRICAL
1/4" = 1'-0"



4 UNIT D1 ALT 2
ELECTRICAL
1/4" = 1'-0"

UNIT ELECTRICAL NOTES:

1. CEILING FAN SWITCHES PROVIDED WITH FAN. CONTROL LIGHT AND FAN SEPARATELY. INTENDED FOR SINGLE GANG BOX.
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4. THERMOSTATS HAVE LOW VOLTAGE WIRE BACK TO AHU. CONDENSING UNITS HAVE LOW VOLTAGE WIRE BACK TO AHU.
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14. MOUNT TV OUTLET AND ADJACENT PLUG AT 48" IN LIVING ROOMS AND BEDROOMS.
15. SEE HVAC SCHEDULE AND SHOP DRAWINGS FOR AHU AND HEAT PUMP CRCUITS.
16. MOUNT TOP BREAKER IN UNIT PANELS AT 48" AFF.
17. BELOW COUNTER RECEPTACLES AND PLATES SHALL MATCH THE BASE CABINETS WHERE THEY ARE MOUNTED (BROWN, WHITE, ETC.) VERIFY WITH ARCHITECT.
18. PROVIDE ALTERNATE FOR ARC-FAULT CIRCUITS AS SHOWN. BASE BID TO HAVE ARC-FUALT ON BEDROOM AND LIVING ROOM CKTS ONLY.

LEGEND:

1. SWITCHED RECEPTABLE FOR GARBAGE DISPOSER. CONTINUE CIRCUIT TO DISHWASHER. TO GFI BREAKER.
2. PROVIDE ARC-FAULT BREAKER IN PANEL.
3. TELE/TV DEMARK FLUSH BOX WITH DUPLEX OUTLET. SEE DETAIL.
4. SWITCHES FOR OVERHEAD MW FAN & LIGHT.
5. SMOKE ALARM TO HAVE STROBES.
6. TOP FLOOR UNITS TO RECEIVE WALL SCONE TYPE "B".
7. TO COMBINATION GFI AND ARC FAULT BREAKER.
8. PROVIDE HOT WIRE AND SWITCH LEG TO EXHAUST FAN.

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STATE OF MISSOURI — RICHARD R. BEARDMORE — NUMBER — PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS

2	23.0428	ADD 1CC 2
7	23-07-13	ASI 3
10	23-09-15	ASI 6

LS&A Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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8625 College Boulevard, Suite 102
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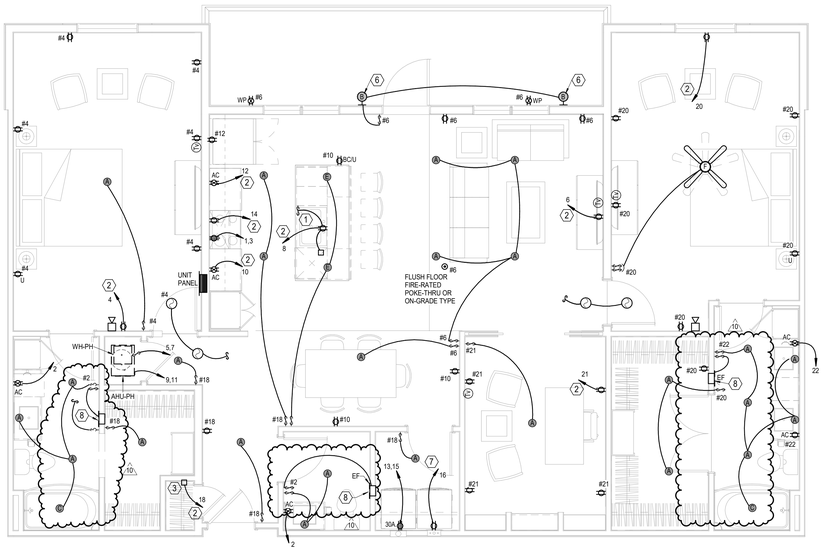
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

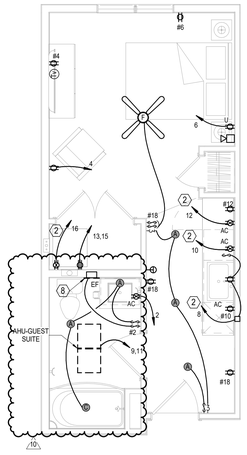
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - ELECTRICAL
SHEET NO. E2.04

9/15/2023 9:44:46 AM

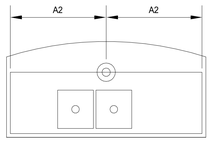
ARCH E1.30" x 42"



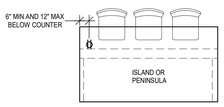
1 PENTHOUSE
ELECTRICAL
1/4" = 1'-0"



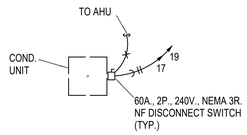
2 UNIT - GUEST SUITE
ELECTRICAL
1/4" = 1'-0"



3 KITCHEN ISLAND LIGHTING DETAIL
NOT TO SCALE



4 ISLAND RECEPTALCE DETAIL
NOT TO SCALE



5 TYPICAL COND. UNIT DETAIL
NOT TO SCALE

UNIT ELECTRICAL NOTES:

1. CEILING FAN SWITCHES PROVIDED WITH FAN. CONTROL LIGHT AND FAN SEPARATELY. INTENDED FOR SINGLE GANG BOX.
2. CENTER KITCHEN ISLAND PENDANT LIGHTS OVER BASE BACK WALL AND CENTERED EQUALLY LEFT TO RIGHT OVER SINK. THESE ARE SEPARATELY SWITCHED.
3. GENERALLY CENTER LIGHT ON WINDOWS, DOOR, HALLWAYS, SINKS, OVER TUBS, ETC. VERIFY ALL LOCATIONS IN EACH UNIT DIMENSIONALLY WITH ARCHITECT, INTERIOR DESIGNER AND OWNER. MOUNT SWITCHES CLOSE TO DOORS OR WALL CORNERS.
4. THERMOSTATS HAVE LOW VOLTAGE WIRE BACK TO AHU. CONDENSING UNITS HAVE LOW VOLTAGE WIRE BACK TO AHU.
6. (2) = 120V. SMOKE ALARM WITH BATTERY BACK-UP AND AUXILIARY CONTACT SO ALL SOUND TOGETHER.
7. CO ALARM JUST OUTSIDE BEDROOMS ONLY AND NOT TWO FLOORS ABOVE GARAGE LEVEL. BLDG 3 AND 4 HAVE NO CO ALARMS.
8. ALL ARC—FAULT CIRCUIT BREAKERS SHALL BE COMPATIBLE WITH CEILING FANS, COMPACT AND STANDARD FLUORESCENT AND LED LAMPS/FIXTURES AND OTHER ELECTRONIC DEVICES.
9. 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".
10. FIRE ALARM HORN/STROBE CIRCUITS SHALL BE SIZED TO ACCEPT BEDROOM HORN/STROBES IN FUTURE INCLUDING WIRING AND PANEL CAPACITY.
11. ALL RANGES SERVED BY (3) #8 A (1) # 10 AND 50A. RECEPTACLE.
12. ALL WATER HEATERS SERVED BY (3) #10. ALL DRYERS SERVED BY (4) #10 AND 30A. RECEPTACLE.
13. ALL WASHERS AND REFRIGERATORS HAVE RECEPTACLES AT 48".
14. MOUNT TV OUTLET AND ADJACENT PLUG AT 48" IN LIVING ROOMS AND BEDROOMS.
15. SEE HVAC SCHEDULE AND SHOP DRAWINGS FOR AHU AND HEAT PUMP CRCUITS.
16. MOUNT TOP BREAKER IN UNIT PANELS AT 48" AFF.
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7	23-07-13	ASI 3
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921 DATE 03.15.2023
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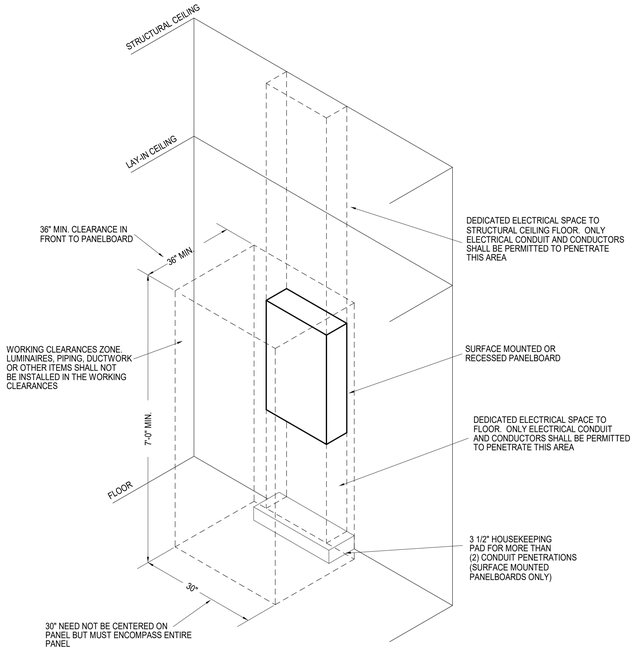
5/17/2023
CITY COMMENTS #3
SHEET NAME
UNIT PLANS - ELECTRICAL
SHEET NO.
E2.05

9/15/2023 9:44:52 AM

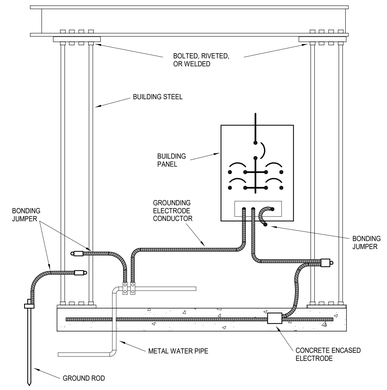
ARCH E1 30" x 42"



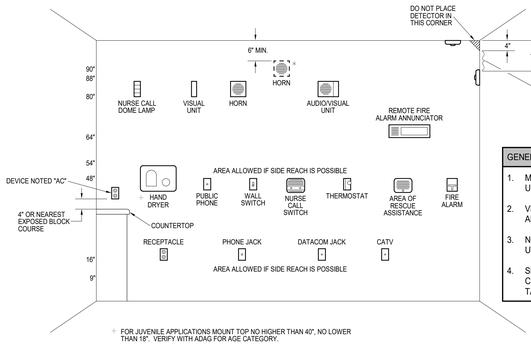
NOTE:

COORDINATE ALL WORK WITH OTHER TRADES. MAINTAIN ALL OTHER NEC CLEARANCES AND REQUIREMENTS.

1 TYPICAL PANELBOARD INSTALLATION DETAIL
NOT TO SCALE



2 GROUNDING ELECTRODE SYSTEM DETAIL
NOT TO SCALE



+ FOR JUVENILE APPLICATIONS MOUNT TOP NO HIGHER THAN 40", NO LOWER THAN 18". VERIFY WITH ADAG FOR AGE CATEGORY.

GENERAL NOTES:

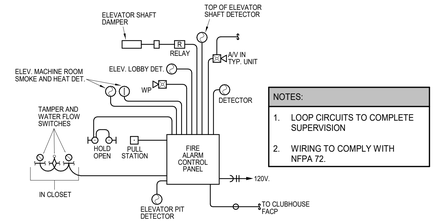
1. MOUNT DEVICES AT HEIGHT INDICATED UNLESS NOTED OTHERWISE ON PLANS.
2. VERIFY MOUNTING IN SIDE REACH AREAS WITH ARCHITECT.
3. NOT ALL DEVICES SHOWN MAY BE UTILIZED ON PROJECT.
4. SEE ARCHITECTURAL DRAWINGS FOR CONFLICTS WITH CHALK BOARDS, TACK BOARDS, AND CASEWORK.

DEVICE MOUNTING NOTES:

1. VISUAL UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
2. AUDIO UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
   * TOP OF UNIT NOT LESS THAN 90" ABOVE FLOOR AND NOT LESS THAN 6" BELOW CEILING (NFPA) (BOTTOM AT 88" WITH BLOCK COURSES). MOUNT AT NFPA HEIGHT ONLY IF REQUIRED BY LOCAL AHJ.
3. AUDIO/VISUAL UNIT
   DEVICE BOTTOM 80" ABOVE HIGHEST FLOOR LEVEL OR TOP 6" BELOW CEILING; WHICHEVER IS LOWER.
4. PULL STATION
   HIGHEST OPERABLE PART SHALL NOT BE MORE THAN 48" ABOVE THE FLOOR (FRONT APPROACH).

ELECTRICAL DEVICE MOUNTING HEIGHTS SHALL CONFORM TO THE LATEST EDITION OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN.

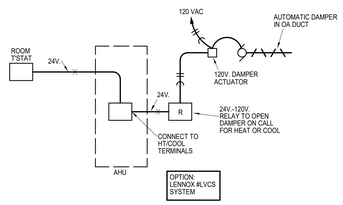
3 ELECTRICAL DEVICE MOUNTING HEIGHTS
NOT TO SCALE



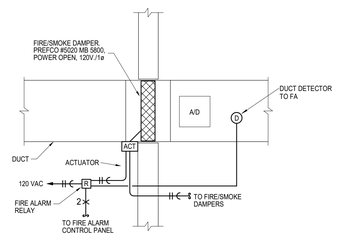
NOTES:

1. LOOP CIRCUITS TO COMPLETE SUPERVISION
2. WIRING TO COMPLY WITH NFPA 72.

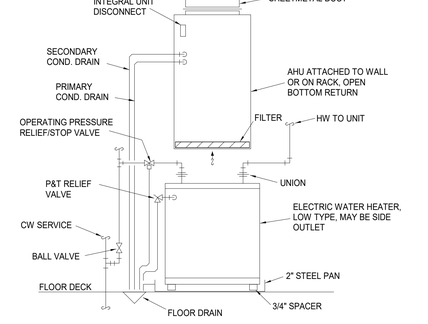
4 FIRE ALARM RISER DIAGRAM
NOT TO SCALE



5 OUTSIDE AIR DAMPER CONTROL SCHEMATIC
NOT TO SCALE

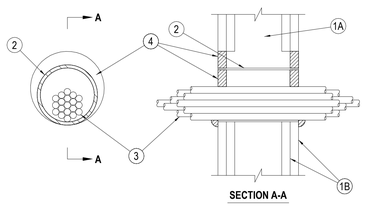


6 FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE



7 APARTMENT AHU/WATER HEATER
NOT TO SCALE

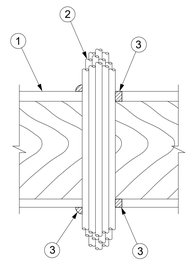
8 ELEVATOR DETAIL
NOT TO SCALE



NOTES AND LEGENDS:

1. 1. Wall Assembly — The 1 or 2 fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs - Steel framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board - Nom 5/8 in. (16 mm) thick gypsum board, with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 5-1/2 in. (138 mm) when sleeve (Item 2) is employed. Max diam of opening is 4 in. (102 mm) when sleeve (Item 2) is not employed. The F Rating of the firestop system is equal to the fire rating of the wall assembly.
   Metallic Sleeve — (Optional) - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or Schedule 5 (or heavier) steel pipe or min 0.016 in. thick (0.41 mm, NZs. 28 ga) galv steel sleeve installed flush with wall surfaces. The annular space between steel sleeve and periphery of opening shall be min 0 in. (0 mm, point contact) to max 1 in. (25mm). When Schedule 5 steel pipe or EMT is used, sleeve may extend up to 18 in.
2. (457 mm) beyond the wall surfaces.
   Cables — Aggregate cross-sectional area of cable in opening to be max 45 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (0 mm, point contact) to max 1 in. (25 mm) Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of copper conductor cables may be used:
3. A. Max 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   B. Max 25 pair No. 24 AWG telephone cable with PVC insulation and jacket.
   C. Type RG/U coaxial cable with polyethylene (PE) insulation and PVC jacket having a max outside diameter of ½ in. (13 mm).
   D. Multiple fiber optical communication cable jacketed with PVC and having a max OD of 5/8 in. (16 mm).
   E. Through Penetrating Product - Three copper conductor No. 8 AWG . Metal-Clad Cable+.
   AFC CABLE SYSTEMS INC:
   F. Max 3/C (with ground)(or smaller) No. 8 AWG copper conductor cable with PVC insulation and jacketing.
   G. Max 3/4 in. (19 mm) diam copper ground cable with or without a PVC jacket.
   H. Fire Resistive Cables* - Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable. Through Penetrating Product* - Any cables. Metal-Clad Cable+ or Armored Cable+ currently Classified under the Through Penetrating Products category. See Through Penetrating Product (XHLY) category in the Fire Resistance Directory for names of manufacturers.
   Fill, Void or Cavity Material* — Sealant or Putty — Fill material applied within the annulus, flush with each end of the steel sleeve or wall surface. Fill material installed symmetrically on both sides of the wall. A min 5/8 in. (16 mm) thickness of sealant is required for the 1 or 2 hr F Rating . An additional 1/2 in. (13 mm) diam bead of fill material shall be applied around the perimeter of sleeve on both sides of the wall when sleeve extends beyond surface of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. -- CP601S, CP606, FS-One Sealants or CP618 Putty
   *Bearing the UL Classification Mark
4. +Bearing the UL Listing Mark

9 FIRE RATED PENETRATION DETAIL
NO SCALE — SYSTEM WL-3065



NOTES AND LEGENDS:

1. 1. Floor-Ceiling Assembly - The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction features of the floor-ceiling assembly are summarized below:
   A. Flooring System - Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Max diam of opening shall be 3 in.
   B. Wood Joists* - Nom 10 in. deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firestopped.
   C. Gypsum Board* - Nom 4 ft wide by 5/8 in. thick as specified in the individual Floor-Ceiling Design. Gypsum board secured to wood joists or furring channels as specified in the individual Floor-Ceiling Design.
   Chase Wall - (Optional, Not Shown) - The through penetrants (Item 2) may be routed through a 1 hr fire rated single, double or staggered wood stud/gypsum board chase wall. Depth of chase wall stud cavity to be min 1/2 in. greater than diameter of opening cut in sole and top plates to accommodate the through penetrant (Item 2). The chase wall shall be constructed of the materials and in the manner specified in the individual U300 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction
1A. features:
   A. Studs - Nom 2 by 4 in., 2 by 6 in. or double nom 2 by 4 in. lumber studs.
   B. Sole Plate - Nom 2 by 4 in., 2 by 6 in. or parallel 2 by 4 in. lumber plates, tightly butted. Max diam of opening is 3 in.
   C. Top Plate - The double top plate shall consist of two nom 2 by 4 in., two nom 2 by 6 in. or two sets of parallel 2 by 4 in. lumber plates, tightly butted. Max diam of opening is 3 in.
   D. Gypsum Board* - Thickness, type, number of layers and fasteners shall be as specified in the individual Wall and Partition Design.
   Cables - Aggregate cross-sectional area of cable in opening to be max 50 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (point contact) to max 1 in. Cables to be rigidly supported on both sides of the floor-ceiling assembly. Any combination of the following types and sizes of copper conductor cables may be used:
   A. Max 150 pair No. 24 AWG telephone cable with PVC insulation and jacket.
2. B. Max 2/C No. 10 with ground Type NM nonmetallic sheathed (Romex) cable with PVC insulation and jacket.
   C. Max 3/C with ground 2/0 AWG aluminum SER cable with PVC insulation and jacket.
   D. Max 3/C No. 10 AWG copper conductor steel clad cable.
   E. Max 24 fiber optic cable.
   F. RG 59U coaxial cable.
   G. CAT 5 data cable.
   Fill, Void or Cavity Materials*-Sealant - Min 3/4 in. thickness of sealant applied within the annulus flush with the top surface of the floor or sole plate and min 5/8 in. thickness of sealant applied within the annulus flush with the bottom surface of gypsum board or lower top plate. A min 1/2 in. diameter bead of sealant applied at the cable bundle/subflooring or sole plate interface and the cable bundle/gypsum board or top plate interface at point contact locations.
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC - CP 606 Flexible Firestop Sealant
3.
   *Bearing the UL Classification Mark

10 FIRE RATED PENETRATION DETAIL
NO SCALE — SYSTEM FC-3074

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03/15/2023

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DRAWING RELEASE LOG
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△REVISIONS

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8625 College Boulevard, Suite 102
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Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921 — DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
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SHEET NO. E3.01

4/13/2023 9:08:18 PM

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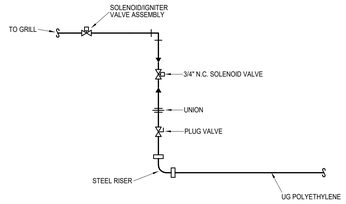
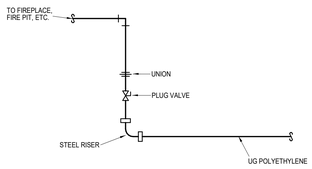


PIPING SCHEMATIC



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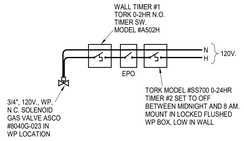
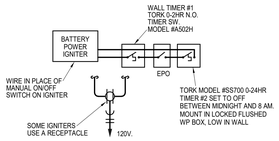
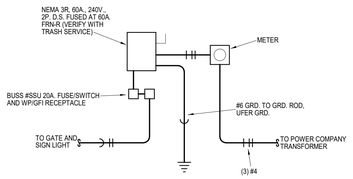


CONTROL SCHEMATIC
(GRILL)

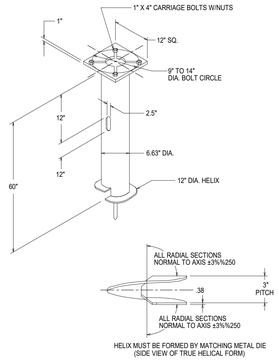


CONTROL SCHEMATIC
(FIRE PIT)

1 GAS GRILL/FIRE PIT DETAIL
NOT TO SCALE



2 COMPACTOR ELECTRICAL SERVICE DETAIL
NOT TO SCALE



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

3 LIGHT POLE FOUNDATION DETAIL
NOT TO SCALE

-NOTES-

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

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

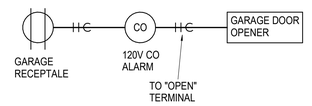
   SHAFT: STEEL PIPE PIPLES, SEAMLESS OR STRAIGHT WELDED, GRADE-B PER ASTM-A53-(LATEST REVISION) MATERIAL STEEL PIPE TYPE E OR S, GRADE-B PER ASTM A53.

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

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

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

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



SEQUENCE:
GARAGE DOOR
TO OPEN WHEN
CO SENSOR IS
TRIPPED

4 GARAGE CARBON MONOXIDE SENSOR DOOR CONNECTION DETAIL
NOT TO SCALE

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
03/15/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

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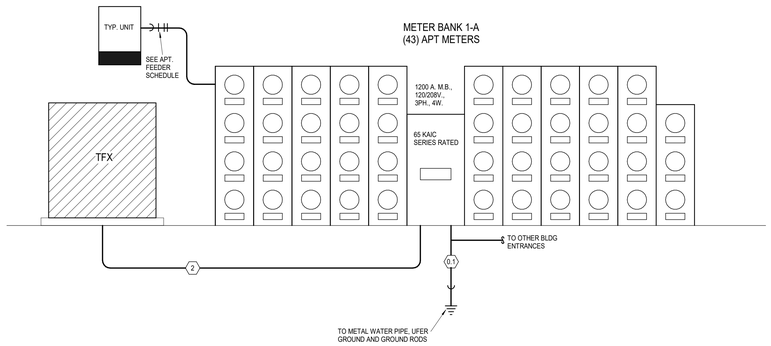
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME ELECTRICAL DETAILS
SHEET NO. E3.02

4/13/2023 5:08:19 PM

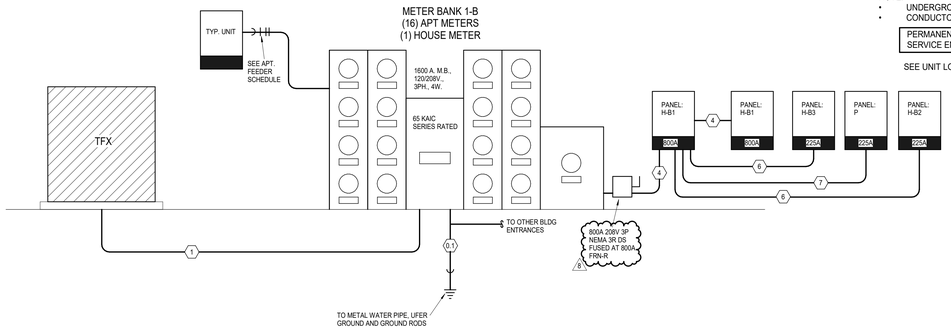
ARCH E1.30" x 42"

NOTES:
1. VERIFY AVAILABLE FAULT CURRENT WITH POWER CO.
2. LABEL DISCONNECTS AS SERVICE DISCONNECTS AT THE SWITCHBOARDS.



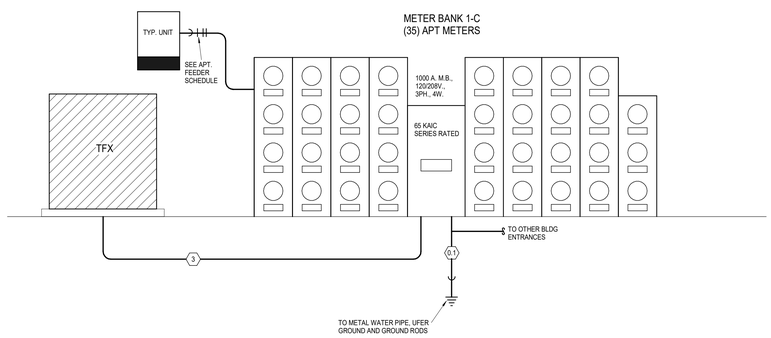
1 METER BANK 1-A ELECTRICAL RISER
NOT TO SCALE

NOTES:
1. VERIFY AVAILABLE FAULT CURRENT WITH POWER CO.
2. LABEL DISCONNECTS AS SERVICE DISCONNECTS AT THE SWITCHBOARDS.



2 METER BANK 1-B ELECTRICAL RISER
NOT TO SCALE

NOTES:
1. VERIFY AVAILABLE FAULT CURRENT WITH POWER CO.
2. LABEL DISCONNECTS AS SERVICE DISCONNECTS AT THE SWITCHBOARDS.



3 METER BANK 1-C ELECTRICAL RISER
NOT TO SCALE

Unit Load Calculation - Complete Analysis

Unit Type	General: Area Calculation Sq. Ft.	Load per Sq Ft	Total Per Sq Ft.	General Load: 2 Small Appliance Circuits	Dishwasher	Disposer	Dryer	Microwave	Range	Oven	Combined Oven Range	Washer	Water Heater	Total General Load	NEC 220-84 Calculation: Heater Calculation Heater	NEC Diversification	Heater Load	General Load Calculation: First 10KVA at 100%	Remainder at 40%	Total Load	Voltage	Load for Unit Service (AMPS)	Total Connected Load	Breaker Size
A1	660	3 VA	1980 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	24970 VA	3700 VA	65.00%	2405 VA	10000 VA	5988 VA	18393 VA	208 V	88.43	28670 VA	100
A2	660	3 VA	1980 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	24970 VA	3700 VA	65.00%	2405 VA	10000 VA	5988 VA	18393 VA	208 V	88.43	28670 VA	100
A2 TYPE A	660	3 VA	1980 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	24970 VA	3700 VA	65.00%	2405 VA	10000 VA	5988 VA	18393 VA	208 V	88.43	28670 VA	100
A3	730	3 VA	2190 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25180 VA	3700 VA	65.00%	2405 VA	10000 VA	6072 VA	18477 VA	208 V	88.83	28880 VA	100
A3 ALT	730	3 VA	2190 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25180 VA	3700 VA	65.00%	2405 VA	10000 VA	6072 VA	18477 VA	208 V	88.83	28880 VA	100
A4	680	3 VA	2040 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25030 VA	3700 VA	65.00%	2405 VA	10000 VA	6012 VA	18417 VA	208 V	88.54	28730 VA	100
B1	970	3 VA	2910 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25900 VA	5600 VA	65.00%	3640 VA	10000 VA	6360 VA	20000 VA	208 V	96.15	31500 VA	100
B1 ALT	1000	3 VA	3000 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25990 VA	5600 VA	65.00%	3640 VA	10000 VA	6396 VA	20036 VA	208 V	96.33	31590 VA	100
B2	1100	3 VA	3300 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26290 VA	5600 VA	65.00%	3640 VA	10000 VA	6516 VA	20156 VA	208 V	96.90	31890 VA	100
B3	1000	3 VA	3000 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	25990 VA	5600 VA	65.00%	3640 VA	10000 VA	6396 VA	20036 VA	208 V	96.33	31590 VA	100
B4	1050	3 VA	3150 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26140 VA	5600 VA	65.00%	3640 VA	10000 VA	6456 VA	20096 VA	208 V	96.62	31740 VA	100
C1	1080	3 VA	3240 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26230 VA	7500 VA	65.00%	4875 VA	10000 VA	6492 VA	21367 VA	208 V	102.73	33730 VA	110
C1 ALT	1080	3 VA	3240 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26230 VA	7500 VA	65.00%	4875 VA	10000 VA	6492 VA	21367 VA	208 V	102.73	33730 VA	110
C1 ALT 2	1080	3 VA	3240 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26230 VA	7500 VA	65.00%	4875 VA	10000 VA	6492 VA	21367 VA	208 V	102.73	33730 VA	110
C1 TYPE A	1080	3 VA	3240 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26230 VA	7500 VA	65.00%	4875 VA	10000 VA	6492 VA	21367 VA	208 V	102.73	33730 VA	110
C2	1160	3 VA	3480 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26470 VA	7500 VA	65.00%	4875 VA	10000 VA	6588 VA	21463 VA	208 V	103.19	33970 VA	110
C3	1150	3 VA	3450 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26440 VA	7500 VA	65.00%	4875 VA	10000 VA	6576 VA	21451 VA	208 V	103.13	33940 VA	110
C4	1175	3 VA	3525 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	26515 VA	7500 VA	65.00%	4875 VA	10000 VA	6606 VA	21481 VA	208 V	103.27	34015 VA	110
D1	1440	3 VA	4320 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	27310 VA	7500 VA	65.00%	4875 VA	10000 VA	6924 VA	21799 VA	208 V	104.80	34810 VA	110
D1 ALT 2	1430	3 VA	4290 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	27280 VA	7500 VA	65.00%	4875 VA	10000 VA	6912 VA	21787 VA	208 V	104.75	34780 VA	110
GS	320	3 VA	960 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	23950 VA	3700 VA	65.00%	2405 VA	10000 VA	5580 VA	17985 VA	208 V	86.47	27650 VA	100
PH	1500	3 VA	4500 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	27490 VA	7500 VA	65.00%	4875 VA	10000 VA	6996 VA	21871 VA	208 V	105.15	34990 VA	110
S1	445	3 VA	1335 VA	3000 VA	740 VA	850 VA	4400 VA	1000 VA	0 VA	0 VA	7000 VA	1500 VA	4500 VA	24325 VA	3700 VA	65.00%	2405 VA	10000 VA	5730 VA	18135 VA	208 V	87.19	28025 VA	100

FEEDER SCHEDULE

MARK	OCP	SETS	NO. COND.	SIZE ALUM.	SIZE GRD.	CONDUIT
0.1	0 A	1	1		3/0 CU	2"
1	1600 A	5	4	600 KCMIL		4"
2	1200 A	4	4	500 KCMIL		3"
3	1000 A	3	4	500 KCMIL		3"
4	800 A	3	4	400 KCMIL	#3/0	3"
5	400 A	2	4	4/0 KCMIL	#2	3"
6	225 A	1	4	300 KMCIL	#2	3"
7	100 A	1	4	#1/0	#4	2"

APARTMENT PANEL FEEDER - TYPE SER ALUMINUM	
100A.: 2 - 2 - 2 - 6 UP TO 120 FT. 1 - 1 - 1 - 4 UP TO 150 FT. 0 - 0 - 0 - 4 UP TO 185 FT. 2/0 - 2/0 - 2/0 - 3 UP TP 235 FT.	110A.: 1 - 1 - 1 - 4 UP TO 135 FT. 0 - 0 - 0 - 4 UP TP 170 FT. 2/0 - 2/0 - 2/0 - 3 UP TO 215 FT.

NOTE:
- UNDERGROUND CONDUIT MATERIAL = SCH. 40 PVC.
- CONDUCTOR INSULATION = THHN/THWN.

PERMANENT PLACARDS SHALL BE POSTED AT EACH EXTERIOR SERVICE ENTRANCE AND METER BANK TO DISPLAY AREA SERVED.

SEE UNIT LOAD CALCS FOR APT PANEL BREAKER, 100A/2P, 110A/2P.

MULTI-FAMILY BUILDING LOAD ANALYSIS BLDG 1

Panel / Unit Type (Connected Load)	Total Units / Unit Quantity	Total Connected Load / Sum of Units	Total KVA	NEC Building Diversity	Diversified KVA	Amps @ 208V/3PH	House Load	Total Demand - Amps
METER BANK 1-A	43	1,367,095 VA	1367	27%	369	1025	0	1025
A1-(28,670 VA)	3	86010 VA						
A2-(28,670 VA)	4	114680 VA						
A3 ALT-(28,880 VA)	6	173280 VA						
B1-(31,500 VA)	3	94500 VA						
B4-(31,740 VA)	1	31740 VA						
C1-(33,730 VA)	4	134920 VA						
C1 ALT-(33,730 VA)	4	134920 VA						
C2-(33,970 VA)	7	237790 VA						
C3-(33,940 VA)	4	135760 VA						
D1-(34,810 VA)	3	104430 VA						
PH-(34,990 VA)	1	34990 VA						
S1-(28,025 VA)	3	84075 VA						
METER BANK 1-B	16	509,540 VA	510	39%	199	552	700	1252
A3-(28,880 VA)	6	173280 VA						
C1-(33,730 VA)	5	168650 VA						
GUEST SUITE-(27,650 VA)	1	27650 VA						
PH-(34,990 VA)	4	139960 VA						
METER BANK 1-C	35	1,088,760 VA	1089	30%	327	907	0	907
A1-(28,670 VA)	4	114680 VA						
A3-(28,880 VA)	7	202160 VA						
B1 ALT-(31,590 VA)	4	126360 VA						
B2-(31,890 VA)	4	127560 VA						
C1-(33,730 VA)	8	269840 VA						
C4-(34,015 VA)	4	136060 VA						
S1-(28,025 VA)	4	112100 VA						
METER BANK 1-D	47	1,438,345 VA	1438	26%	374	1039	350	1389
A1-(28,670 VA)	3	86010 VA						
A2-(28,670 VA)	7	200690 VA						
A2 TYPE A-(28,670 VA)	1	28670 VA						
A3-(28,880 VA)	9	259920 VA						
A3 ALT-(28,880 VA)	6	173280 VA						
B1-(31,500 VA)	3	94500 VA						
C1-(33,730 VA)	7	236110 VA						
C3-(33,940 VA)	4	135760 VA						
D1 ALT 2-(34,780 VA)	3	104340 VA						
PH-(34,990 VA)	1	34990 VA						
S1-(28,025 VA)	3	84075 VA						
METER BANK 1-E	38	1,190,875 VA	1191	29%	345	959	0	959
A1-(28,670 VA)	3	86010 VA						
A2-(28,670 VA)	1	28670 VA						
A3-(28,880 VA)	10	288800 VA						
B1-(31,500 VA)	3	94500 VA						
C1-(33,730 VA)	9	303570 VA						
C1 ALT 2-(33,730 VA)	1	33730 VA						
C1 TYPE A-(33,730 VA)	1	33730 VA						
C2-(33,970 VA)	7	237790 VA						
S1-(28,025 VA)	3	84075 VA						

MULTI-FAMILY BUILDING LOAD ANALYSIS BLDG 2

Panel / Unit Type (Connected Load)	Total Units / Unit Quantity	Total Connected Load / Sum of Units	Total KVA	NEC Building Diversity	Diversified KVA	Amps @ 208V/3PH	House Load	Total Demand - Amps
METER BANK 2-F	34	1,031,045 VA	1031	30%	309	859	350	1209
A1-(28,670 VA)	3	86010 VA						
A2-(28,670 VA)	3	86010 VA						
A3-(28,880 VA)	9	259920 VA						
A3 ALT-(28,880 VA)	4	115520 VA						
B1-(31,500 VA)	3	94500 VA						
C1-(33,730 VA)	2	67460 VA						
C1 ALT 2-(33,730 VA)	1	33730 VA						
C2-(33,970 VA)	6	203820 VA						
S1-(28,025 VA)	3	84075 VA						
METER BANK 2-G	45	1,432,390 VA	1432	27%	387	1074	0	1074
A2-(28,670 VA)	5	143350 VA						
A2 TYPE A-(28,670 VA)	2	57340 VA						
A3-(28,880 VA)	3	86640 VA						
A3 ALT-(28,880 VA)	4	115520 VA						
A4-(28,730 VA)	3	86190 VA						
B3-(31,590 VA)	4	126360 VA						
C1-(33,730 VA)	10	337300 VA						
C1 ALT-(33,730 VA)	4	134920 VA						
C1 TYPE A-(33,730 VA)	1	33730 VA						
C3-(33,940 VA)	3	101820 VA						
D1-(34,810 VA)	4	139240 VA						
PH-(34,990 VA)	2	69980 VA						
METER BANK 2-H	30	922,860 VA	923	33%	305	846	0	846
A1-(28,670 VA)	4	114680 VA						
A3 ALT-(28,880 VA)	10	288800 VA						
C1-(33,730 VA)	10	337300 VA						
PH-(34,990 VA)	2	69980 VA						
S1-(28,025 VA)	4	112100 VA						
METER BANK 2-J	33	1,083,060 VA	1083	31%	336	933	400	1333
A2-(28,670 VA)	3	86010 VA						
A3-(28,880 VA)	3	86640 VA						
B1-(31,500 VA)	3	94500 VA						
C1-(33,730 VA)	10	337300 VA						
C1 TYPE A-(33,730 VA)	1	33730 VA						
C2-(33,970 VA)	6	203820 VA						
C3-(33,940 VA)	3	101820 VA						
D1-(34,810 VA)	4	139240 VA						

LUMINAIRE SCHEDULE

MARK	DESCRIPTION	MFGR	MODEL	MOUNTING	FINISH	LAMPS	NOTES
A	Disk Light	Halo	SLD612/8027/WH	jb/surface	white	1200 Lumen 2700K 15W LED	Wet Location
B	Patio Sconce		SEE FINISH SCHEDULE	wall	Black	1-10W LED	Wet Location
C	Shower Disk Light		SEE FINISH SCHEDULE	jb/surface	white	600 Lumen 2700K 10W LED	Wet Location
D	Vanity Sconce		SEE FINISH SCHEDULE	wall	br. Nickel	1740 Lumen 24W LED	
E	Kitchen Pendant		SEE FINISH SCHEDULE	jb/surface		1-13W 3000K LED	
F	5-blade fan, 3-spd, rev. w/globe		SEE FINISH SCHEDULE	surface	br. Nickel	2-8W LED	Energy Star Rated
G	NOT USED						
H	NOT USED						
J				jb/surface	CONFIRM	1500 Lumen 3000K 20W	
K	Exterior Sconce		CONFIRM WITH OWNER	wall	black	1-10W LED	Wet Location
M	Vapor Tight Strip	Lithonia	CSVT-L48-4000LM-MVOLT-35K-80CRI-IE7WCP	surface	white	4000 Lumen 3500K LED	With 2HR Battery
N	Surface Downlight	Satco	62-1312	jb/surface	white	1050 Lumen 3000k 15W	
S	Strip Light	Lithonia	CSS-L48-4000LM-MVOLT-40K-80CRI	surface	white	4000 Lumen 4000K LED	
S1	Strip Light	Lithonia	CSS-L48-4000LM-MVOLT-40K-80CRI	surface	white	4000 Lumen 4000K LED	With 2HR Battery
X1	Exit	Progress	PETPE-UR-30-RC	surface	white/red	1.5W LED	
X2	Exit w/heads	Progress	PECUE-UR-30-RC	surface	white/red	1.5W LED	
X3	Dual-Head Emergency	NICOR	EML7	surface	std	700 lumen	
X4	Exterior Remote Head	Progress	PERHC-SG-OD-30	surface	std	1W LED	

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ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES
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STATE OF MISSOURI — RICHARD R. BEARDMORE — NUMBER — PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS

2	23 0428	ADD 1/CC 2
3	23 0511	ADDENDUM 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4

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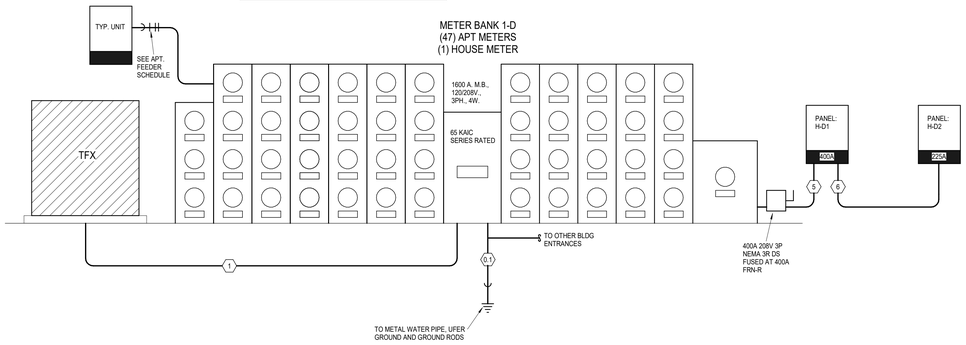
LSA PROJECT NO. 2204061

JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME ELECTRICAL DETAILS/SCHEDULES
SHEET NO. E3.03

8/17/2023 9:06:21 AM

ARCH E1.30" x 42"

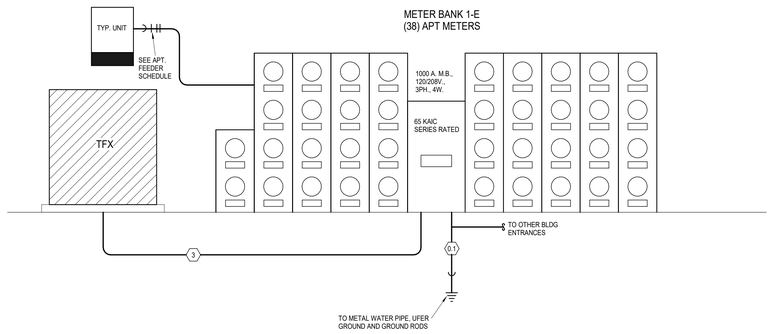
NOTES:
1. VERIFY AVAILABLE FAULT CURRENT WITH POWER CO.
2. LABEL DISCONNECTS AS SERVICE DISCONNECTS AT THE SWITCHBOARDS.



1 METER BANK 1-D ELECTRICAL RISER
NOT TO SCALE

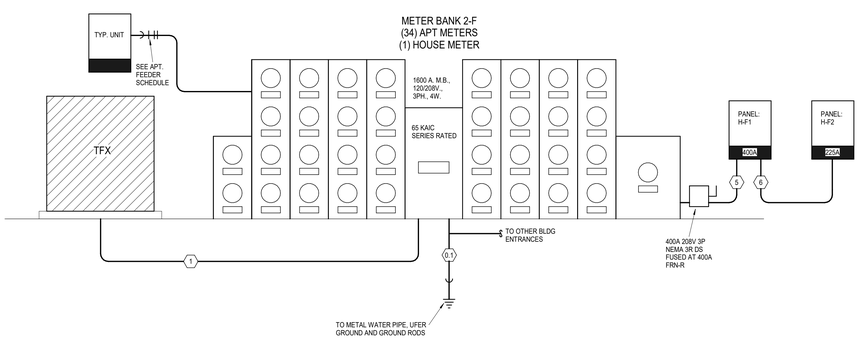
FEEDER SCHEDULE						
MARK	OCP	SETS	NO. COND.	SIZE ALUM.	SIZE GRD.	CONDUIT
0.1	0 A	1	1		3/0 CU	2"
1	1600 A	5	4	600 KCMIL		4"
2	1200 A	4	4	500 KCMIL		3"
3	1000 A	3	4	400 KCMIL	#3/0	3"
4	800 A	3	4	600 KCMIL	#3/0	3"
5	400 A	2	4	4/0	#6	3"
6	225 A	1	4	300 KMCIL	#2	3"
7	100 A	1	4	#1/0	#4	2"

NOTES:
1. VERIFY AVAILABLE FAULT CURRENT WITH POWER CO.
2. LABEL DISCONNECTS AS SERVICE DISCONNECTS AT THE SWITCHBOARDS.

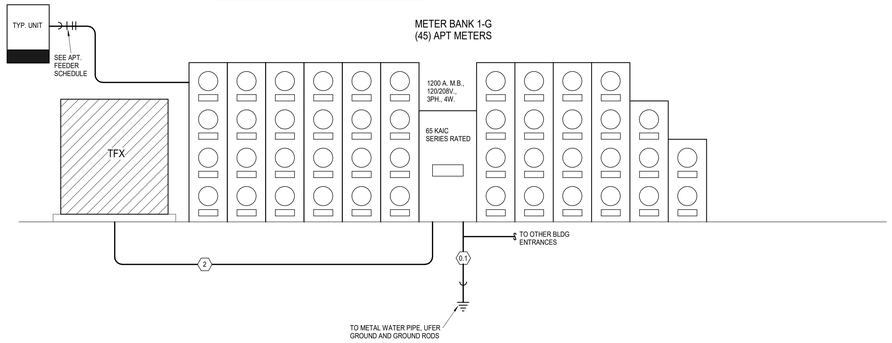


2 METER BANK 1-E ELECTRICAL RISER
NOT TO SCALE

NOTES:
1. VERIFY AVAILABLE FAULT CURRENT WITH POWER CO.
2. LABEL DISCONNECTS AS SERVICE DISCONNECTS AT THE SWITCHBOARDS.

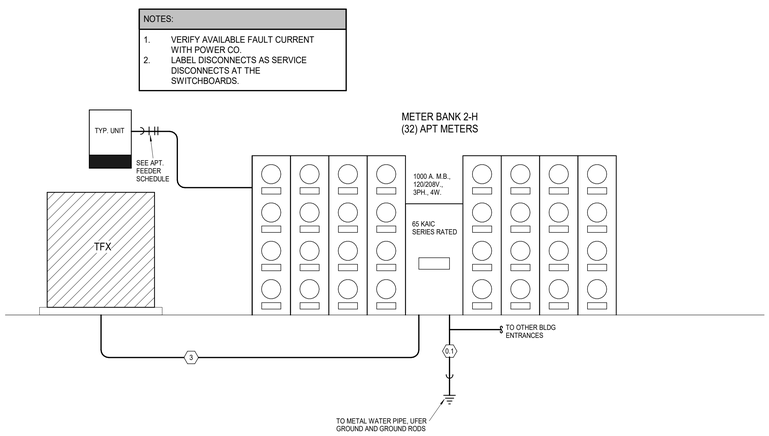


3 METER BANK 2-F ELECTRICAL RISER
NOT TO SCALE



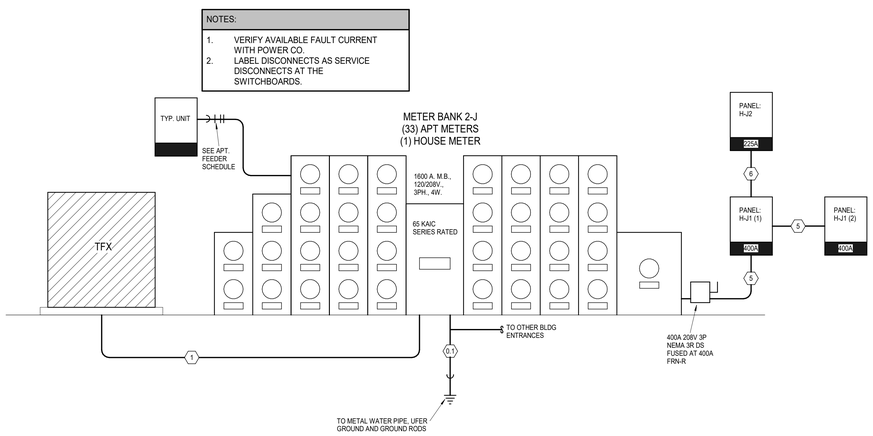
4 METER BANK 2-G ELECTRICAL RISER
NOT TO SCALE

NOTES:
1. VERIFY AVAILABLE FAULT CURRENT WITH POWER CO.
2. LABEL DISCONNECTS AS SERVICE DISCONNECTS AT THE SWITCHBOARDS.



5 METER BANK 2-H ELECTRICAL RISER
NOT TO SCALE

NOTES:
1. VERIFY AVAILABLE FAULT CURRENT WITH POWER CO.
2. LABEL DISCONNECTS AS SERVICE DISCONNECTS AT THE SWITCHBOARDS.



6 METER BANK 2-J ELECTRICAL RISER
NOT TO SCALE

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3515 W. 75TH ST., SUITE 201
PRAIRIE VILLAGE, KS 66208

STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS
2	23.0428	ADD 1CC 2
5	23-06-09	ASI 1
8	23-08-11	ASI 4

LS&A
Latimer Sommers & Associates P.A.
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3639 SW Summerfield Drive, Suite A
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Telephone: (785) 233-3232
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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME ELECTRICAL DETAILS/SCHEDULES
SHEET NO. E3.04

8/11/2023 9:06:21 AM

ARCH E1.30" x 42"

Panel: H-B1 (1)

Location: CLUB AREA
Supply From: MB 1-B
Mounting:
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42000
Mains Type: MLO
Mains Rating: 800 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Lighting STAIR B2 234	20 A	12	0	0					12	20 A	Lighting STAIR B1 233	2
3							195			12	20 A	Lighting	4
5	Receptacle Space 2240	20 A	12					360	360	12	20 A	Receptacle Space 2240	6
7	Receptacle Space 2240	20 A	12	360	195					12	20 A	Lighting	8
9	Lighting Space 2240	20 A	12			15							10
11	Receptacle ELEV. C 235	20 A	12					180	180	12	20 A	Receptacle ELEV. C 235	12
13	Receptacle ELEV. C 313	20 A	12	180	0					12	20 A	Power ELEV. C 318	14
15						2358	240			12	20 A	Lighting	16
17	ELEVATOR (SHUNT TRIP)	90 A	3					2358	6665	8	50 A	AHU-HC2	18
19				2358	6665								20
21	Other	20 A	12			0	360			12	20 A	Lighting	22
23	Power MAIL-1 111-1	20 A	12					500	240	12	20 A	Lighting	24
25	Lighting ELEV. LOBBY 312	20 A	12	240	1976					12	20 A	WH-C1	26
27	AHU-HC1	50 A	8			6665	1976						28
29								6665	1500	12	20 A	EUH-A	30
31	Lighting ELEV. C 235	20 A	12	480	1500								32
33	Lighting ELEV. F 369	20 A	12			240	1500			12	20 A	EUH-A	34
35	Receptacle WK RM 104	20 A	12					180	1500				36
37	WH-C2	20 A	12	1976									38
39						1976							40
41	Lighting	20 A	12					0	720	12	20 A	Receptacle FITNESS 115	42
43					180								44
45							2079				100 A	POOL	46
47	Space	--	--					--	1850				48
49				22265	5650								50
51	H1-B2	225 A				33029	11000				225 A	H-B3	52
53								25674	12501				54
		Total Load:		98937 VA		101959 VA		110673 VA					
		Total Amps:		824 A		854 A		926 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	228986 VA	70.00%	160291 VA		
Lighting	4864 VA	125.00%	6080 VA	**Total Conn. Load:**	311569 VA
Other	8684 VA	100.00%	8684 VA	**Total Est. Demand:**	232335 VA
Power	6250 VA	100.00%	6250 VA	**Total Conn.:**	865 A
Receptacle	33420 VA	64.96%	21710 VA	**Total Est. Demand:**	645 A
Motor	14150 VA	100.00%	14150 VA		
Appliance	5000 VA	100.00%	5000 VA		
HVAC Load	0 VA	0.00%	0 VA		
Range	10400 VA	100.00%	10400 VA		

Notes:

Panel: H-B1 (2)

Location: CLUB AREA
Supply From: MB 1-B
Mounting:
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42000
Mains Type: MLO
Mains Rating: 800 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
55	CU-HB7	45 A	8	2205	1560					8	30 A	CU-HB6	56
57						2205	1560						58
59	CU-HB5	15 A	12					874	874	12	20 A	CU-HB4	60
61				874	874								62
63	Receptacle WK RM 104	20 A	12			540	1560			8	30 A	CU-HB3	64
65	CU-HB2	30 A	8					1560	1560				66
67				1560	1560					8	30 A	CU-HB1	68
69	Receptacle	20 A	12			540	1560						70
71	AHU-HB6	50 A	6					7205	6665	8	50 A	AHU-HB5	72
73				7205	6665								74
75	DSS-STAIR	25 A	10			1612	1612			10	25 A	DSS-STAIR	76
77								1612	1612				78
79	AHU-HB4	50 A	6	7205	7205					6	50 A	AHU-HB3	80
81						7205	7205						82
83	AHU-HB2	50 A	6					7205	7205	6	50 A	AHU-HB1	84
85				7205	7205								86
87	AHU-HB7	70 A	4			9907	1612			10	25 A	DSS-GOLF	88
89								9907	1612				90
91	Lighting	20 A	12	720	900					12	20 A	Receptacle OFFICE 102	92
93	Receptacle Space 483	20 A	12			540	0			12	20 A	Lighting	94
95	Lighting	20 A	12					0	180	12	20 A	Receptacle PACKAGE 112	96
97	Receptacle	20 A	12	360	225					12	20 A	Lighting	98
99	Receptacle ELEV. LOBBY 308	20 A	12			720	720			12	20 A	Receptacle ELEV. LOBBY 308	100
101	Lighting	20 A	12					0	180	12	20 A	Receptacle	102
103	Receptacle	20 A	12	720	720					12	20 A	Receptacle ELEV. LOBBY 308	104
105	Power	20 A	12			500	780			12	20 A	Receptacle RR 106	106
107	Space	--	--					--	1000	12	20 A	RADON	108
		Total Load:		54957 VA		40379 VA		49251 VA					
		Total Amps:		469 A		336 A		422 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	135494 VA	70.00%	94846 VA		
Lighting	225 VA	125.00%	281 VA	**Total Conn. Load:**	144588 VA
Other	0 VA	0.00%	0 VA	**Total Est. Demand:**	103993 VA
Power	1500 VA	100.00%	1500 VA	**Total Conn.:**	401 A
Receptacle	7380 VA	100.00%	7380 VA	**Total Est. Demand:**	289 A
HVAC Load	0 VA	0.00%	0 VA		

Notes:

Panel: H-B2

Location: SECTION A FIRST FLOOR
Supply From: H-B1
Mounting:
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	AHU-HA1	50 A	8	6665	900					12	20 A	Receptacle ELEV. LOBBY 291	2
3						6665	120			10	20 A	SITE LIGHTING	4
5	Receptacle ELEV. A 223	20 A	12					240	180	12	20 A	Receptacle ELEV. A 223	6
7	Receptacle ELEV. A 223	20 A	12	180	1000					12	20 A	Receptacle GARAGE-1 224-1	8
9	Receptacle GARAGE 226	20 A	12			720	1000			12	20 A	Receptacle GARAGE 226	10
11	Receptacle GARAGE 228	20 A	12					1000	1080	12	20 A	Receptacle ELEV. LOBBY 291	12
13	Receptacle GARAGE 230	20 A	12	500	1000					12	20 A	Receptacle GARAGE 231	14
15	Lighting	20 A				15	9907			4	70 A	AHU-HA2	16
17	Lighting	20 A	12					285	9907				18
19	Lighting STAIR A 288	20 A	12	90	570					12	20 A	Lighting	20
21	ELEVATOR (SHUNT TRIP) VERIFY	90 A	3			2358	500			12	20 A	Power ELEV. 301	22
23								2358	180	12	20 A	Receptacle ELEV. 301	24
25				2358	240					12	20 A	Lighting ELEV. 301	26
27	CU-HA2	45 A	8			2184	1435			10	25 A	CU-HA1	28
29								2184	1435				30
31	Receptacle	20 A	12	1080	2500					8	30 A	EV CHARGER	32
33	Receptacle MDF/MECH. ROO...	20 A	12			1000	2500						34
35	Receptacle MDF/MECH. ROO...	20 A	12					1000	1350	10	25 A	DSS-IT	36
37	DSS-STAIR	25 A	10	1625	1350								38
39						1625	1500			12	20 A	EUH-A	40
41	EUH-A	20 A	12					1500	1500				42
				1500	750								
45	EUH-A	20 A	12			1500	--			--	--	]	46
47								1500	--	--	--	Space	48
49	Spare	20 A	--	0	--					--	--	Space	50
51	Spare	20 A	--			0	--			--	--	Space	52
53	Spare	20 A	--					0	--	--	--	Space	54
		Total Load:		22265 VA		33029 VA		25674 VA					
		Total Amps:		186 A		280 A		218 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	55333 VA	70.00%	38733 VA		
Lighting	1440 VA	125.00%	1800 VA	**Total Conn. Load:**	80967 VA
Other	620 VA	100.00%	620 VA	**Total Est. Demand:**	64301 VA
Power	750 VA	100.00%	750 VA	**Total Conn.:**	225 A
Receptacle	10820 VA	96.21%	10410 VA	**Total Est. Demand:**	178 A
Motor	7075 VA	100.00%	7075 VA		
Appliance	5000 VA	100.00%	5000 VA		

Notes:

Panel: H-B3

Location: FITNESS MECH ROOM
Supply From: H-B1
Mounting:
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Receptacle GOLF LOUNGE 113	20 A	12	180	180					12	20 A	Receptacle GOLF LOUNGE 113	2
3	Receptacle GOLF LOUNGE 113	20 A	12			1000	180			12	20 A	Receptacle GOLF LOUNGE 113	4
5	Receptacle RR 116	20 A	12					720	900	12	20 A	Receptacle RR 116	6
7	HVAC	20 A	12	1800	540					12	20 A	Receptacle	8
9	Range	40 A	8			5200	180			12	20 A	Receptacle	10
11								5200	720	12	20 A	Receptacle	12
13	Other FITNESS 115	20 A	12	0	360					12	20 A	Receptacle	14
15	Receptacle	20 A	12			540	720			12	20 A	Receptacle FITNESS 115	16
17	Receptacle FITNESS 115	20 A	12					540	0	12	20 A	Receptacle	18
19	Receptacle TREATMENT 90	20 A	12	540	540					12	20 A	Receptacle SPA LOBBY 96	20
21	Receptacle YOGA-1 92-1	20 A	12			540	105			12	20 A	Lighting Space 2301	22
23	Lighting Space 2240	20 A	12					75	900	12	20 A	Receptacle CO-WORKING 305	24
25	Receptacle CO-WORKING 305	20 A	12	540	540					12	20 A	Receptacle ZOOM 99	26
27	Receptacle CONFERENCE 101	20 A	12			720	600			10	20 A	Lighting	28
29	Other	20 A	10					160	250	8	30 A	SAUNA	30
31	Receptacle	20 A		180	250								32
33	Spare	20 A	--			0	680				20 A	Receptacle	34
35	Spare	20 A	--					0	1360		20 A	Receptacle	36
37	Spare	20 A	--	0	0						20 A	Lighting	38
39	Spare	20 A	--			0	540				20 A	Receptacle	40
41	Spare	20 A	--					0	1680		20 A	Receptacle	42
		Total Load:		5650 VA		11000 VA		12501 VA					
		Total Amps:		47 A		99 A		111 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	1800 VA	70.00%	1260 VA		
Lighting	773 VA	125.00%	966 VA	**Total Conn. Load:**	29151 VA
Other	160 VA	100.00%	160 VA	**Total Est. Demand:**	27544 VA
Power	3500 VA	100.00%	3500 VA	**Total Conn.:**	81 A
Receptacle	12520 VA	89.94%	11260 VA	**Total Est. Demand:**	76 A
Range	10400 VA	100.00%	10400 VA		

Notes:

Panel: H-D1

Location: SECTION D FIRST FLOOR
Supply From: METER BANK 1-D
Mounting:
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	AHU-HD1	70 A	4	9907	390					12	20 A	Lighting	2
3						9907	540			12	20 A	Receptacle GARAGE 202	4
5	Lighting	20 A						0	1080	12	20 A	Receptacle	6
7	Receptacle GARAGE 204	20 A	12	360	360					12	20 A	Receptacle GARAGE 206	8
9	Lighting	20 A	12			30	720			12	20 A	Receptacle	10
11	Receptacle GARAGE 199	20 A	12					360	360	12	20 A	Receptacle GARAGE 197	12
13	Receptacle GARAGE 195	20 A	12	360	554						20 A	Receptacle OFFICE SUITE-1...	14
15	RADON	20 A	12			1000	720			12	20 A	Receptacle ELEV. LOBBY 320	16
17	RADON	20 A	12					1500	554		20 A	Receptacle OFFICE SUITE-1...	18
19	Receptacle OFFICE SUITE 340	20 A		554	554						20 A	Receptacle OFFICE SUITE-1...	20
21						15				12	20 A	Lighting	22
23								900	12	20 A	Receptacle ELEV. LOBBY 320	24
25	Receptacle ELEV. LOBBY 320	20 A	12	720	245					12	20 A	Lighting	26
27	EV CHARGER	30 A	12			2500	690			12	20 A	Lighting	28
29								2500	180	12	20 A	Receptacle ELEV. E 240	30
31	CU-HC1	15 A	12	874	874					12	15 A	CU-HC2	32
33						874	874						34
35	DSS-STAIR	25 A	10					1612	2205	8	45 A	CU-HD2	36
37				1612	2205								38
39	CU-HD1	45 A	8			2205	1850			10	25 A	EUH-B	40
41								2205	1850				42
43	Lighting	20 A	12	360	540					12	20 A	EUH-A	44
45							500						46
47	Lighting	20 A	12					400					48
49				24287									50
51	H-D2	225 A				20609							52
53								20186					54
		Total Load:		45781 VA		43997 VA		35892 VA					
		Total Amps:		392 A		377 A		299 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	86114 VA	70.00%	60280 VA		
Lighting	3547 VA	125.00%	4434 VA	**Total Conn. Load:**	125669 VA
Other	700 VA	100.00%	700 VA	**Total Est. Demand:**	98131 VA
Power	3250 VA	100.00%	3250 VA	**Total Conn.:**	349 A
Receptacle	15120 VA	83.07%	12560 VA	**Total Est. Demand:**	272 A
Motor	7075 VA	100.00%	7075 VA		
Appliance	10000 VA	100.00%	10000 VA		

Notes:

Panel: H-D2

Location: SECTION E FIRST FLOOR
Supply From: H-D1
Mounting:
Enclosure:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Lighting	20 A	12	180	360					12	20 A	Lighting	2
3	Lighting	20 A	12			180	360			12	20 A	Lighting	4
5	Lighting	20 A	12					360	360	12	20 A	Lighting	6
7	Lighting STAIR E 241	20 A	12	60	360					12	20 A	Lighting	8
9	Lighting	20 A	12			180	2500			10	30 A	EV CHARGER	10
11	Receptacle STORAGE-1 358-1	20 A	12					900	2500				12
13	Lighting ELEV. E 240	20 A	12	240	7205					6	50 A	AHU-HE1	14
15	Receptacle STORAGE-1 358-1	20 A	12			720	7205						16
17	Receptacle ELEV. E 240	20 A	12					180	900	12	20 A	Receptacle	18
19	Receptacle ELEV. E 240	20 A	12	180	330					12	20 A	Lighting	20
21	Lighting	20 A	12			255	255			12	20 A	Lighting	22
23	AHU-HE2	50 A	6					7205	255	12	20 A	Lighting	24
25				7205	240					12	20 A	Lighting ELEV. E 366	26
27	ELEVATOR (SHUNT TRIP) VERIFY	90 A	3			2358	500			12	20 A	Power ELEV. E 366	28
29								2358	0	10	25 A	DSS-STAIR	30
31				2358	0								32
33	CU-HE2	30 A	8			1560	1560			8	30 A	CU-HE1	34
35								1560	1560				36
37	Power	20 A		750	1500					12	20 A	EUH-A	38
39							1500						40
41	Other	20 A	10					200	360	12	20 A	Receptacle GARAGE 191	42
43	Receptacle GARAGE 193	20 A	12	360	1500					12	20 A	EUH-A	44
45	Lighting	20 A	12			0	1500						46
47	EUH-A	20 A	12					1500	0		20 A	Lighting	48
49				1500									50
51													52
53													54
		Total Load:		24287 VA		20609 VA		20186 VA					
		Total Amps:		203 A		172 A		168 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	44061 VA	70.00%	30843 VA		
Lighting	1635 VA	125.00%	2044 VA	**Total Conn. Load:**	65082 VA
Other	700 VA	100.00%	700 VA	**Total Est. Demand:**	52253 VA
Power	750 VA	100.00%	750 VA	**Total Conn.:**	181 A
Receptacle	5940 VA	100.00%	5940 VA	**Total Est. Demand:**	145 A
Motor	7075 VA	100.00%	7075 VA		
Appliance	5000 VA	100.00%	5000 VA		

Notes:

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

2	23-04-28	ASI 1/CC 2	
5	23-06-09	ASI 1	
8	23-08-11	ASI 4	

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME ELECTRICAL SCHEDULES
SHEET NO. E3.05

8/11/2023 5:06:21 AM

ARCH E1.30" x 42"

Panel: H-F1

Location: SECTION F FLOOR 1 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 42000
Supply From: METER BANK 2-F | **Phases:** 3 | **Mains Type:** MLO
Mounting: | **Wires:** 4 | **Mains Rating:** 400 A
Enclosure: | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Lighting	20 A	12	360	360					12	20 A	Lighting	2
3	Lighting	20 A	12			360	180			12	20 A	Lighting	4
5	Lighting	20 A	12					360	45	12	20 A	Lighting Space 3352	6
7	Lighting	20 A	12	360	360					12	20 A	Lighting	8
9	Lighting	20 A	12			360	360			12	20 A	Lighting	10
11	Lighting	20 A	12					360	360	12	20 A	Lighting	12
13	Lighting	20 A	12	360	360					12	20 A	Lighting	14
15	Lighting	20 A	12			360	360			12	20 A	Lighting	16
17	Lighting	20 A	12					300	300	12	20 A	Lighting	18
19	Receptacle ELEV. F 243	20 A	12	360	720					12	20 A	Receptacle	20
21	Power ELEV. F 369	20 A	12			500	4900						22
23	Receptacle ELEV. LOBBY 377	20 A	12					720	4900	3	90 A	ELEVATOR (SHUNT TRIP) VERIFY	24
25	Receptacle ELEV. LOBBY 377	20 A	12	720	4900								26
27	Receptacle ELEV. LOBBY 377	20 A	12			720	9907			4	70 A	AHU-HF1	28
29	Receptacle MEP 613	20 A	12					1000	9907				30
31	Receptacle MEP 613	20 A	12	1000	180					12	20 A	Receptacle ELEV. F 243	32
33	Lighting	20 A	12			300	2205						34
35	CU-HF1	45 A	8					2205	2205	8	45 A	CU-HF2	36
37				2205	1350								38
39	DSS-STAIR	25 A	10			0	1350			10	25 A	DSS-IT	40
41								0	120	12	20 A	Lighting ELEV. F 243	42
43	Lighting	20 A		0	2500					8	30 A	EV CHARGER	44
45	Lighting	20 A				0	2500						46
47	Space	--	--					--	1500	12	20 A	EUH-A	48
49				14521	1500								50
51	PANEL F-2	225 A				20817	1000				20 A	RADON	52
53								23935	--	--	--	Space	54
		Total Load:		32116 VA		46165 VA		48179 VA					
		Total Amps:		268 A		403 A		420 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	78356 VA	70.00%	54849 VA		
Lighting	3514 VA	125.00%	4392 VA	**Total Conn. Load:**	126459 VA
Other	4612 VA	100.00%	4612 VA	**Total Est. Demand:**	99617 VA
Power	2000 VA	100.00%	2000 VA	**Total Conn.:**	351 A
Receptacle	18380 VA	77.20%	14190 VA	**Total Est. Demand:**	277 A
Motor	14700 VA	100.00%	14700 VA		
Appliance	5000 VA	100.00%	5000 VA		

Notes:

Panel: H-F2

Location: SECTION G FLOOR 1 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10000
Supply From: H-F1 | **Phases:** 3 | **Mains Type:** MLO
Mounting: | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Receptacle	20 A	12	900	540					12	20 A	Receptacle MAINTENANCE 245	2
3	WATER HEATER - M	20 A	12			1976	6665			8	50 A	AHU-HG1	4
5								1976	6665				6
7	Lighting	20 A	12	360	360					12	20 A	Lighting	8
9	Lighting	20 A	12			360	360			12	20 A	Lighting	10
11	Lighting	20 A	12					360	5584	8	40 A	AHU-HH1	12
13	DSS-MAINT	25 A	10	1350	5584								14
15						1350	6665			8	50 A	AHU-HG2	16
17	CU-HG1	15 A	12					874	6665				18
19				874	874					12	15 A	CU-HG2	20
21	Lighting	20 A	12			330	874						22
23	Lighting	20 A	12					330	360	12	20 A	Lighting	24
25	Receptacle ELEV. LOBBY 419	20 A	12	720	360					12	20 A	Lighting	26
27	Receptacle MAINTENANCE 245	20 A	12			540	330			12	20 A	Lighting	28
29	Other MAINTENANCE 245	20 A	12					60	630	12	20 A	Lighting ELEV. LOBBY 409	30
31	Lighting	20 A	12	360	720					12	20 A	Receptacle ELEV. LOBBY 419	32
33	Lighting	20 A	12			180	720			12	20 A	Receptacle ELEV. LOBBY 419	34
35	Lighting	20 A	12					0	180	12	20 A	Receptacle MAINTENANCE 245	36
37	RADON	20 A	12	1000	360					12	20 A	Lighting	38
39	Spare	20 A	--			0	500			10	20 A	Lighting	40
41	Spare	20 A	--					0	300	10	20 A	Lighting	42
43	Spare	20 A	--	0	160					10	20 A	Other	44
45	Spare	20 A	--			0	--			--	--	Space	46
47	Spare	20 A	--					0	--	--	--	Space	48
49	Spare	20 A	--	0	--					--	--	Space	50
51	Spare	20 A	--			0	--			--	--	Space	52
53	Spare	20 A	--					0	--	--	--	Space	54
		Total Load:		14521 VA		20817 VA		23935 VA					
		Total Amps:		121 A		182 A		208 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	44022 VA	70.00%	30816 VA		
Lighting	2453 VA	125.00%	3066 VA	**Total Conn. Load:**	59273 VA
Other	4112 VA	100.00%	4112 VA	**Total Est. Demand:**	46667 VA
Power	1000 VA	100.00%	1000 VA	**Total Conn.:**	165 A
Receptacle	7740 VA	100.00%	7740 VA	**Total Est. Demand:**	130 A

Notes:

Panel: H-J1 (1)

Location: SECTION J FLOOR 1 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 42000
Supply From: | **Phases:** 3 | **Mains Type:** MLO
Mounting: | **Wires:** 4 | **Mains Rating:** 400 A
Enclosure: | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Other BIKE STORAGE 138	20 A	12	0	360					12	20 A	Lighting	2
3	Lighting	20 A	12			360	360			12	20 A	Lighting	4
5	Lighting	20 A	12					360	360	12	20 A	Lighting	6
7	Lighting	20 A	12	315	360					12	20 A	Lighting	8
9	Lighting	20 A	12			360	180			12	20 A	Lighting	10
11	Lighting STAIR J 248	20 A	12					0	360	12	20 A	Lighting	12
13	Lighting	20 A	12	180	360					12	20 A	Lighting	14
15	AHU-HJ1	70 A	4			9907	540			12	20 A	Receptacle DOG SPA 438	16
17								9907	0	12	20 A	Lighting	18
19	CU-HJ2	30 A	8	1560	0					12	20 A	Lighting	20
21						1560	7205						22
23	Lighting ELEV. LOBBY 458	20 A	12					570	7205	6	50 A	AHU-HJ2	24
25	Lighting	20 A	12	195	285					12	20 A	Lighting	26
27	ELEVATOR (SHUNT TRIP) VERIFY	90 A	3			4900	500			12	20 A	Power ELEV. J 467	28
29								4900	480	12	20 A	Lighting ELEV. J 249	30
31				4900	720					12	20 A	Receptacle STORAGE 439	32
33	Receptacle STORAGE 439	20 A	12			720	720			12	20 A	Receptacle STORAGE 439	34
35	Receptacle ELEV. J 249	20 A	12					360	180	12	20 A	Receptacle ELEV. J 249	36
37	DSS-STAIR	25 A	10	1613	720					12	20 A	Receptacle	38
39						1613	720			12	20 A	Receptacle	40
41	Lighting	20 A	12					360	360	12	20 A	Lighting	42
43	Lighting	20 A	12	360	2500					8	30 A	EV CHARGER	44
45	Lighting	20 A	12			360	2500						46
47	CU-HJ1	45 A	8					2205	195	12	20 A	Lighting	48
49				2205	27390								50
51	EUH-A	20 A	12			1500	14273			225 A		PANEL H-J2	52
53								1500	26081				54
		Total Load:		45064 VA		50641 VA		56935 VA					
		Total Amps:		376 A		429 A		482 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	92677 VA	70.00%	64874 VA		
Lighting	4262 VA	125.00%	5327 VA	**Total Conn. Load:**	152639 VA
Other	1440 VA	100.00%	1440 VA	**Total Est. Demand:**	123767 VA
Power	750 VA	100.00%	750 VA	**Total Conn.:**	424 A
Receptacle	14220 VA	85.16%	12110 VA	**Total Est. Demand:**	344 A
Motor	29400 VA	100.00%	29400 VA		
Appliance	10000 VA	100.00%	10000 VA		

Notes:

Panel: H-J1 (2)

Location: SECTION J FLOOR 1 | **Volts:** 120/208 Wye
Supply From: | **Phases:** 3
Mounting: | **Wires:** 4
Enclosure:

A.I.C. Rating: 42000
Mains Type: MLO
Mains Rating: 400 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
55	Lighting	20 A	10	300	240					10	20 A	Other	56
57	RADON	20 A	12			750	0			12	20 A	Lighting	58
59									0	12	20 A	Lighting	60
61	Receptacle GARAGE 277	20 A	12	360	180					12	20 A	Receptacle GARAGE 279	62
63	DSS-DOG SPA	25 A	10			1613							64
65								1613					66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
85													86
87													88
89													90
91													92
93													94
95													96
		Total Load:		1080 VA		2363 VA		1613 VA					
		Total Amps:		9 A		20 A		14 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	3225 VA	70.00%	2258 VA		
Lighting	300 VA	125.00%	375 VA	**Total Conn. Load:**	5055 VA
Other	240 VA	100.00%	240 VA	**Total Est. Demand:**	4163 VA
Power	750 VA	100.00%	750 VA	**Total Conn.:**	14 A
Receptacle	540 VA	100.00%	540 VA	**Total Est. Demand:**	12 A

Notes:

Panel: H-J2

Location: SEGMENT G FLOOR 2 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10000
Supply From: H-J1 | **Phases:** 3 | **Mains Type:** MLO
Mounting: | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	Lighting ELEV. G 275	20 A	12	240	697					12	15 A	CU-HH1	2
3	DSS-STAIR	25 A	10			1612	697						4
5								1612	874	12	15 A	CU-HG3	6
7	CU-HG4	15 A	12	874	874								8
9						874	360			12	20 A	Receptacle ELEV. G 275	10
11	Receptacle ELEV. G 275	20 A	12					180	0	12	20 A	Lighting STAIR G 246	12
13	Lighting	20 A	12	360	3700					10	25 A	EUH-B	14
15	Lighting	20 A	12			360	4900						16
17	Power ELEV. G 410	20 A	12					500	4900	3	90 A	ELEVATOR (SHUNT TRIP) VERIFY	18
19	Lighting	20 A	12	240	4900								20
21	Receptacle	20 A	12			720	2500			8	30 A	EV CHARGER	22
23	Lighting	20 A	12					195	2500				24
25	Receptacle Space 3702	20 A	12	900	900					12	20 A	Receptacle Space 3702	26
27	Lighting	20 A	12			195	195			12	20 A	Lighting Space 2742	28
29	AHU-HG4	50 A	8					6665	6665	8	50 A	AHU-HG3	30
31				6665	6665								32
33	Lighting	20 A	12			180	1500			12	20 A	EUH-A	34
35	Lighting	20 A	10					500	1500				36
37	Lighting	20 A	12	0	400					10	20 A	Lighting	38
39	Lighting	20 A	12			0	200			10	20 A	Other	40
41									--	--	--	Space	42
		Total Load:		27390 VA		14273 VA		26081 VA					
		Total Amps:		243 A		119 A		232 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	41472 VA	70.00%	29030 VA		
Lighting	1940 VA	125.00%	2426 VA	**Total Conn. Load:**	67744 VA
Other	700 VA	100.00%	700 VA	**Total Est. Demand:**	55781 VA
Power	0 VA	0.00%	0 VA	**Total Conn.:**	188 A
Receptacle	3960 VA	100.00%	3960 VA	**Total Est. Demand:**	155 A
Motor	14700 VA	100.00%	14700 VA		
Appliance	5000 VA	100.00%	5000 VA		

Notes:

Panel: POOL

Location: POOL | **Volts:** 120/208 Wye | **A.I.C. Rating:** 10000
Supply From: H-B1 | **Phases:** 3 | **Mains Type:** MLO
Mounting: | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: | **MCB Rating:**

Notes:

CKT	Circuit Description	Trip	Wire Size	A		B		C		Wire Size	Trip	Circuit Description	CKT
1	HVAC Load POOL EQUIP.-1...	20 A	12	0	180					12	20 A	Receptacle POOL EQUIP.-1...	2
3	Lighting	20 A	12			240	1850			12	20 A	EUH-B	4
5	POOL PUMP	20 A	12					0	1850				6
7				0	0					12	20 A	POOL PUMP (VERIFY)	8
9						0							10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
		Total Load:		180 VA		2079 VA		1850 VA					
		Total Amps:		2 A		19 A		18 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated...	Panel Totals	
HVAC	3700 VA	70.00%	2590 VA		
Lighting	240 VA	125.00%	300 VA	**Total Conn. Load:**	4109 VA
Power	0 VA	0.00%	0 VA	**Total Est. Demand:**	3056 VA
Receptacle	180 VA	100.00%	180 VA	**Total Conn.:**	11 A
HVAC Load	0 VA	0.00%	0 VA	**Total Est. Demand:**	8 A

Notes:

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

REVISIONS
2 23.0428 ADD 1/CC 2
5 23-06-09 ASI 1
8 23-08-11 ASI 4

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921 | DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME ELECTRICAL SCHEDULES
SHEET NO. E3.06

8/10/2023 2:19:47 PM

ARCH E1.30" x 42"

ELECTRICAL PANEL SCHEDULE

PANEL: S1, A1		POLES: 20		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		30	2	1
17, 19	CONDENSING UNIT		20	2	1
2	LIGHTS AND RECEPTACLES		20	1	1
4, 6, 10-14 EVEN, 18	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	7
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
20	SPARE		20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: A2, A3, A4		POLES: 20		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		30	2	1
17, 19	CONDENSING UNIT		20	2	1
2	LIGHTS AND RECEPTACLES		20	1	1
4, 6, 10-14 EVEN, 18	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	7
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
20	SPARE		20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: B1, B3		POLES: 24		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		40	2	1
17, 19	CONDENSING UNIT		15	2	1
2	LIGHTS AND RECEPTACLES		20	1	1
4, 6, 10-14 EVEN, 18, 20	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	8
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
21	SPARE		20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: B2		POLES: 24		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		40	2	1
17, 19	CONDENSING UNIT		15	2	1
2, 22	LIGHTS AND RECEPTACLES		20	1	2
4, 6, 10-14 EVEN, 18-22 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	9
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
21	SPARE		20	1	3

ELECTRICAL PANEL SCHEDULE

PANEL: B4		POLES: 24		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		50	2	1
17, 19	CONDENSING UNIT		25	2	1
2	LIGHTS AND RECEPTACLES		20	1	1
4, 6, 10-14 EVEN, 18, 20	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	8
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
21	SPARE		20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: C1, C3		POLES: 24		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		40	2	1
17, 19	CONDENSING UNIT		15	2	1
2, 22	LIGHTS AND RECEPTACLES		20	1	2
4, 6, 10-14 EVEN, 18-22 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	9
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
21	SPARE		20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: C2, C4		POLES: 24		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		50	2	1
17, 19	CONDENSING UNIT		25	2	1
2, 22	LIGHTS AND RECEPTACLES		20	1	2
4, 6, 10-14 EVEN, 18-22 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	9
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
21	SPARE		20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: D1		POLES: 24		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		50	2	1
17, 19	CONDENSING UNIT		30	2	1
2, 22	LIGHTS AND RECEPTACLES		20	1	2
4, 6, 10-14 EVEN, 18-22 EVEN	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	9
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
21	SPARE		20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL:PH		POLES: 24		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		50	2	1
17, 19	CONDENSING UNIT		30	2	1
2, 22	LIGHTS AND RECEPTACLES		20	1	2
4, 6, 10-14 EVEN, 18-22 EVEN, 21	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	10
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
23	SPARE		20	1	1

ELECTRICAL PANEL SCHEDULE

PANEL: GS		POLES: 20		MOUNTING:	FLUSH
BUS: 125A.	MAINS: MLO	VOLTAGE: 120/208	PHASE/WIRE:	1 Ph 3 Wire	KAIC:10K
CIRCUIT NUMBERS	DESCRIPTION		AMPS	POLES	QUANTITY
1, 3	RANGE		40	2	1
5, 7, 13, 15	WATER HEATER, DRYER		30	2	2
9, 11	AHU		30	2	1
17, 19	CONDENSING UNIT		15	2	1
2	LIGHTS AND RECEPTACLES		20	1	1
4, 6, 10-14 EVEN, 18	ARC-FAULT LIGHTS AND RECEPTACLES		20	1	7
8, 16	COMBINATION GFI/ARC-FAULT		20	1	1
20	SPARE		20	1	1

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3515 W. 75TH ST., SUITE 201
PRAIRIE VILLAGE, KS 66208
P. 913.831.1415
F. 913.831.1563
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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER 2010020010
PROFESSIONAL ENGINEER
6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:
TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
1 23-06-09 ASI 1

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME ELECTRICAL SCHEDULES
SHEET NO. E3.07
△ NEW SHEET

6/12/2023 5:48:11 PM

ARCH E1.30" x 42"

LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
(2) TMGB: 1/4"x4"x16" BUSBAR, HARGER GROUND BAR TGBI14416TMGBKT OR EQUAL PROVIDE #3/0 MAIN ELECTRICAL SERVICE GROUND.
(3) TGB: 1/4"x4"x12" BUSBAR, HARGER GROUND BAR TGBI14412TMGBKT OR EQUAL PROVIDE #1/0 TO TMGB IN MDF.
(4) (2) 2" EMT CONDUITS FOR VOICE/DATA BACKBONE CABLING.
(5) 2" EMT CONDUIT TO WEATHERHEAD ON ROOF FOR POTENTIAL FUTURE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS) CABLING PATHWAY. REFER TO WEATHERHEAD DETAIL.

IDF T2A
IDF T1B
IDF T1B
IDF T2A
IDF T1B
IDF T2A
MDF T1A
IDF T2A
MDF T1A
VERIFY QUANTITY AND LOCATION WITH FINAL FITNESS LAYOUT
VERIFY QUANTITY AND LOCATION WITH FINAL GOLF PLAN
COORDINATE EXACT LOCATION WITH AHU.
MDF T1A (TYP 4)
MECH. ROOM 239
FIRE/RISER 321
OFFICE SUITE-1 237-1
STAIR D 238
STAIR C 234
STAIR E 241
STAIR A 284
ELEV. A 223
ELEV. C 235
ELEV. E 240
FITNESS 115
GOLF LOUNGE 113
POOL EQUIP-1 114-1
POOL EQUIP-2 114-2
PACKAGE 112
MAIL 111
WK RM 104
ACC RR 105
RR 106
MEP 109
MEP 236
MEP 308
MEP 353
OFFICE 103
OFFICE 102
MDF/MECH. ROOM 221
STORAGE 222
GARAGE 220
GARAGE 219
GARAGE 218
GARAGE 217
GARAGE 216
GARAGE 215
GARAGE 214
GARAGE 213
GARAGE 212
GARAGE 211
GARAGE 209
GARAGE 208-1
GARAGE 208-2
GARAGE 207
GARAGE 206
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GARAGE 204
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GARAGE 189
GARAGE 232
GARAGE G2
GARAGE G3
GARAGE 229
GARAGE 228
GARAGE 227
GARAGE 226
GARAGE 224-1
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STORAGE 283
STAIR A 284
STAIR C 234
STAIR D 238
STAIR E 241
ELEV. A 223
ELEV. C 235
ELEV. E 240
MEP 353
MEP 109
MEP 236
MEP 308
FITNESS 115
GOLF LOUNGE 113
POOL EQUIP-1 114-1
POOL EQUIP-2 114-2
PACKAGE 112
MAIL 111
WK RM 104
ACC RR 105
RR 106
MECH. ROOM 239
FIRE/RISER 321
OFFICE SUITE-1 237-1
OFFICE 103
OFFICE 102
MDF/MECH. ROOM 221
STORAGE 222
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STORAGE 333

ARCH E1.30" x 42"

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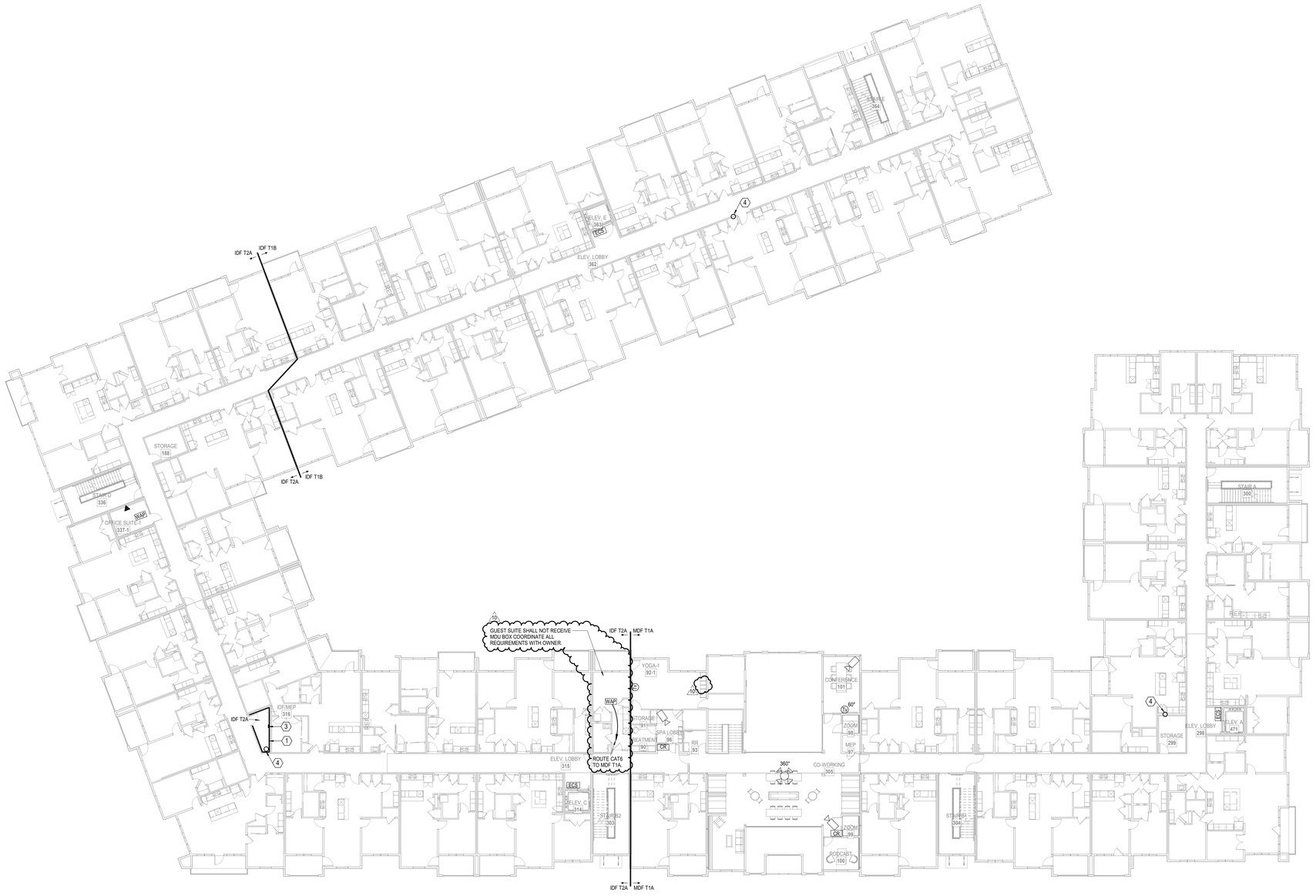

1 BUILDING 1 - OVERALL 2ND FLOORPLAN

TELECOM

1/16" = 1'-0"

NORTH

NSPJ ARCHITECTS, Inc.
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6/9/2023

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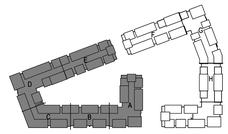

NORTH

KEY PLAN

NO SCALE

△ REVISIONS

8	23-09-11	ASI 4
10	23-09-15	ASI 6

LS&A
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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD

5/17/2023
CITY COMMENTS #3

SHEET NAME
BUILDING 1 - OVERALL 2ND FLOORPLAN

SHEET NO.
T1.02

9/15/2023 9:45:05 AM

ARCH E1.30" x 42"

LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
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1 BUILDING 1 - OVERALL 3RD FLOORPLAN

TELECOM

1/16" = 1'-0"

NORTH

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6/9/2023

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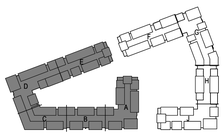
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

NO SCALE

REVISIONS

8 23-08-11 ASI 4

LS&A
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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME BUILDING 1 - OVERALL 3RD FLOORPLAN
SHEET NO. T1.03

8/10/2023 2:21:14 PM

ARCH E1.30" x 42"

LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
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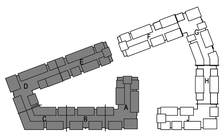
NORTH

1 BUILDING 1 - OVERALL 4TH FLOORPLAN

TELECOM
1/16" = 1'-0"



NORTH

KEY PLAN
NO SCALE

ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES

NSPJ ARCHITECTS, Inc.
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PRAIRIE VILLAGE, KS 66208
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6/9/2023

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DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

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8 23-08-11 ASI 4

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JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023
CITY COMMENTS #3
SHEET NAME
BUILDING 1 - OVERALL 4TH FLOORPLAN
SHEET NO.
T1.04

8/10/2023 2:21:18 PM

ARCH E1.30" x 42"

LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
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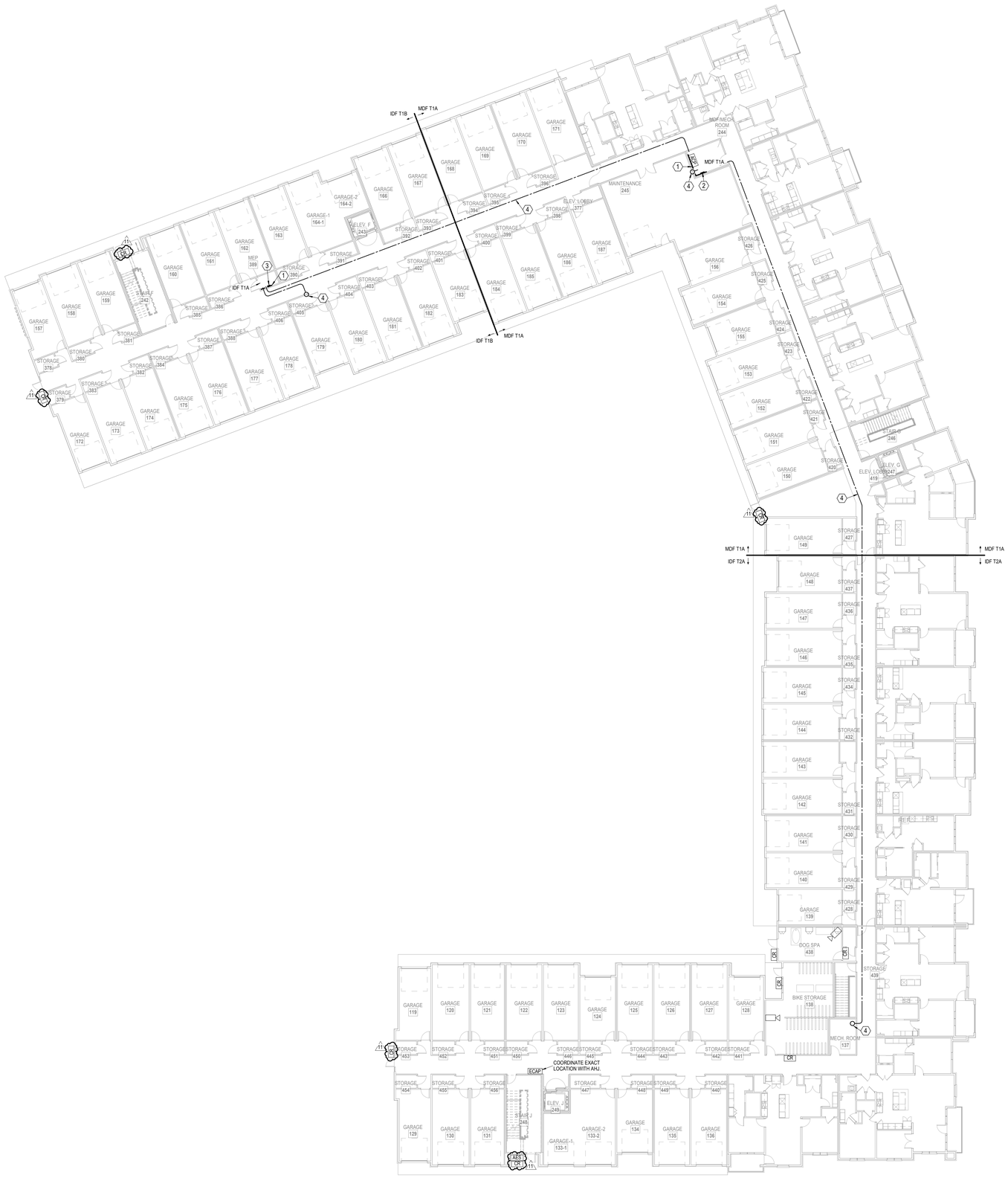

NORTH

1 BUILDING 2 - OVERALL 1ST FLOORPLAN

TELECOM

1/16" = 1'-0"

NORTH

2 BUILDING 2 - OVERALL BASEMENT

TELECOM

1/16" = 1'-0"

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6/9/2023

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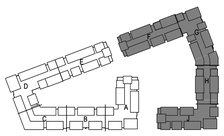

KEY PLAN

NO SCALE

NORTH

REVISIONS

2	23.0428	ADD 1CC 2
5	23-06-09	ASI 1
11	23-11-03	ASI #7

LS&A
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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME BUILDING 2 - OVERALL BSMT & 1ST FLOORPLAN
SHEET NO. T1.05

11/3/2023 8:51:44 AM

ARCH E1.30" x 42"

1 BUILDING 2 - OVERALL 2ND FLOORPLAN

TELECOM

1/16" = 1'-0"

NORTH

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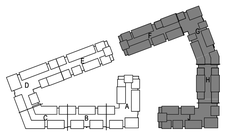

KEY PLAN
NO SCALE

NORTH

△ REVISIONS
11 23-11-03 ASI #7

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME BUILDING 2 - OVERALL 2ND FLOORPLAN
SHEET NO. T1.06

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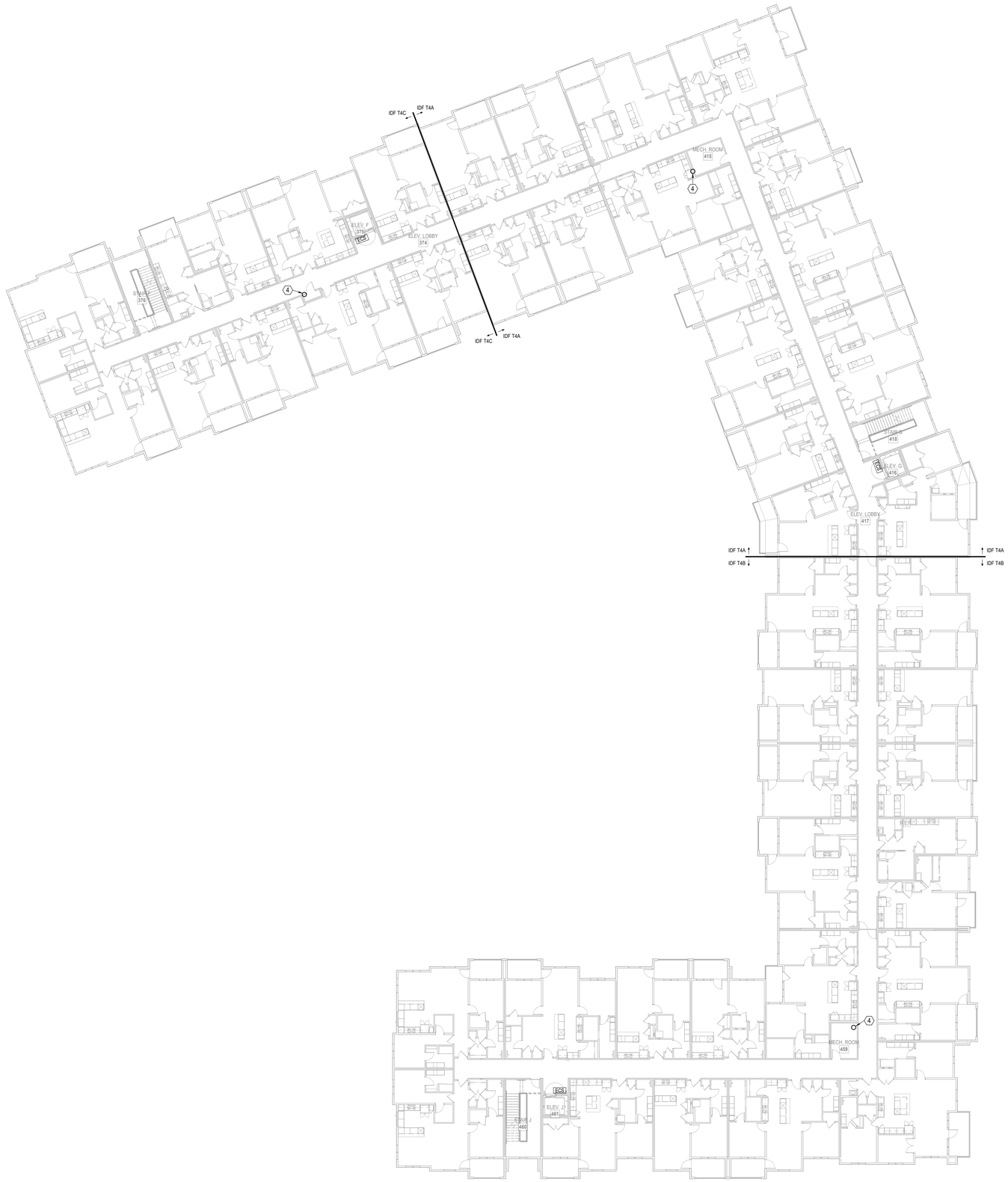
LSA PROJECT NO. 2204061

11/3/2023 8:51:51 AM

ARCH E1.30" x 42"



NORTH

1 BUILDING 2 - OVERALL 3RD FLOORPLAN

TELECOM

1/16" = 1'-0"

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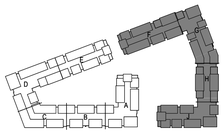
△REVISIONS



NORTH

KEY PLAN

DISCIPLINE PLAN

LS&A
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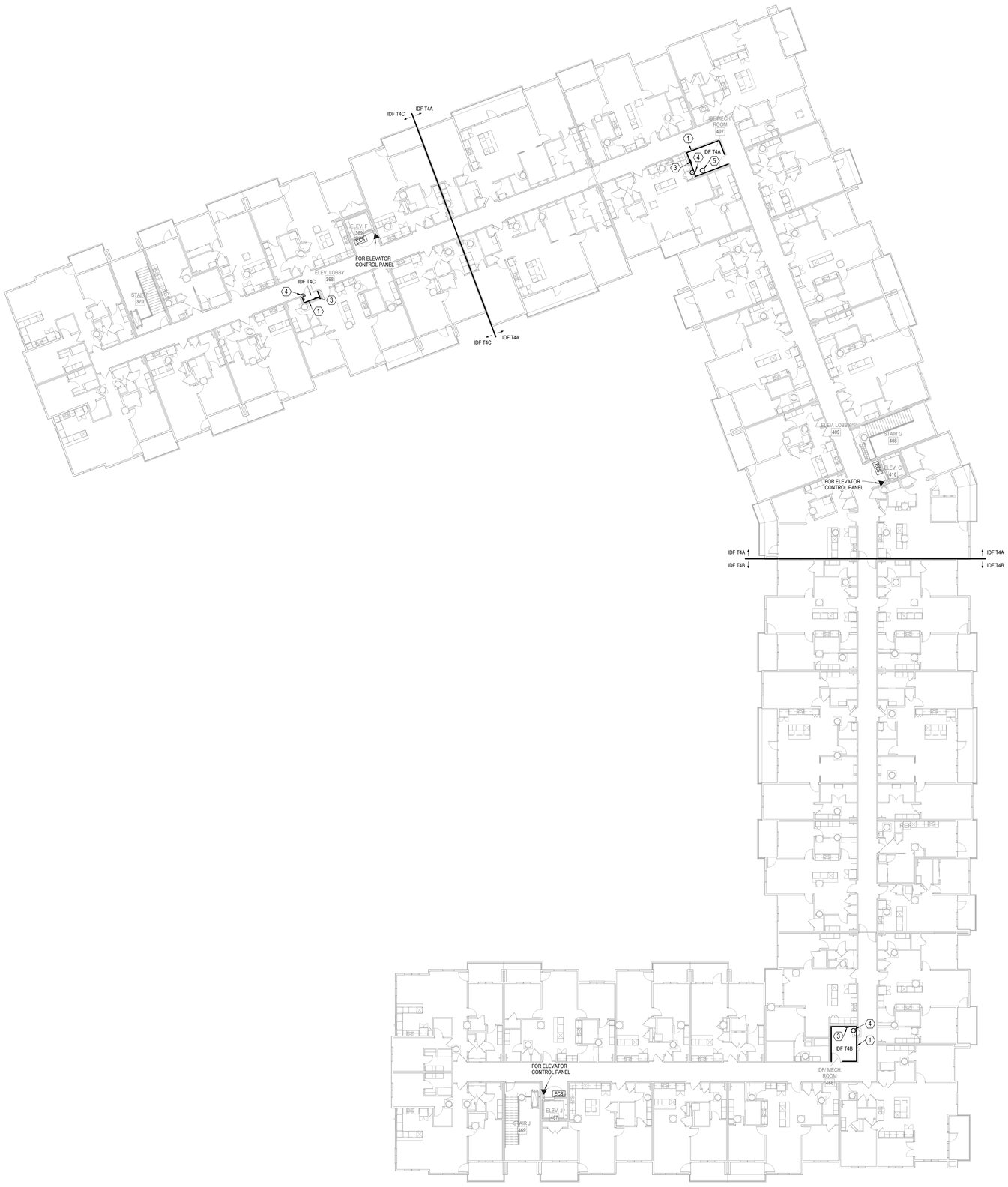
SHEET NO. T1.07

4/13/2023 5:12:32 PM

ARCH E1.30" x 42"



NORTH

1 BUILDING 2 - OVERALL 4TH FLOORPLAN

TELECOM

1/16" = 1'-0"

LEGEND:
(1) PROVIDE 3/4"X4'X8' A-C FIRE RETARDANT PLYWOOD ON WALL, INSTALLED 6" AFF FASTEN SECURELY. PAINT PLYWOOD WITH (2) COATS OF, LOW GLOSS, LIGHT COLORED PAINT.
(2) TMGB: 1/4"x4"x16" BUSBAR, HARGER GROUND BAR TGBI14416TMGBKT OR EQUAL PROVIDE #3/0 MAIN ELECTRICAL SERVICE GROUND.
(3) TGB: 1/4"x4"x12" BUSBAR, HARGER GROUND BAR TGBI14412TMGBKT OR EQUAL PROVIDE #1/0 TO TMGB IN MDF.
(4) (2) 2" EMT CONDUITS FOR VOICE/DATA BACKBONE CABLING.
(5) 2" EMT CONDUIT TO WEATHERHEAD ON ROOF FOR POTENTIAL FUTURE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS) CABLING PATHWAY. REFER TO WEATHERHEAD DETAIL.

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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

03/15/2023

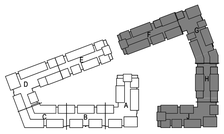
A NEW RESIDENTIAL COMMUNITY AT:

TRILOGY

800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



NORTH

KEY PLAN

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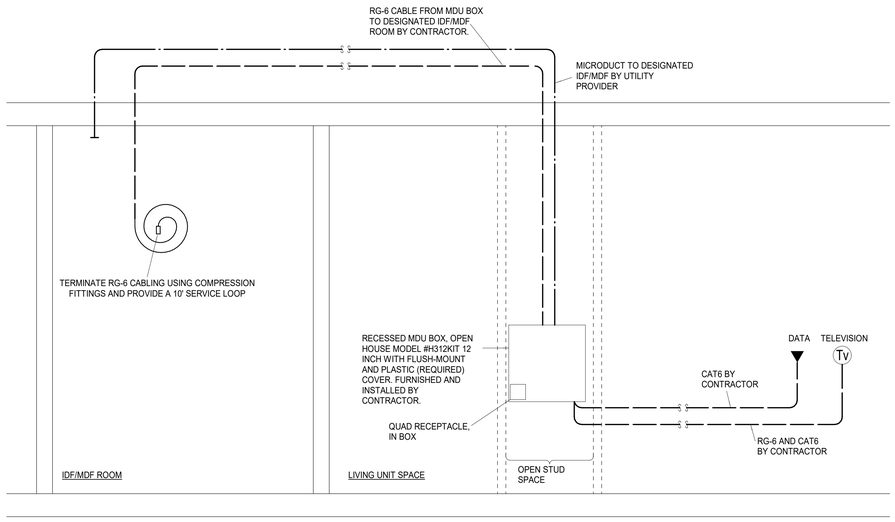
LSA PROJECT NO. 2204061

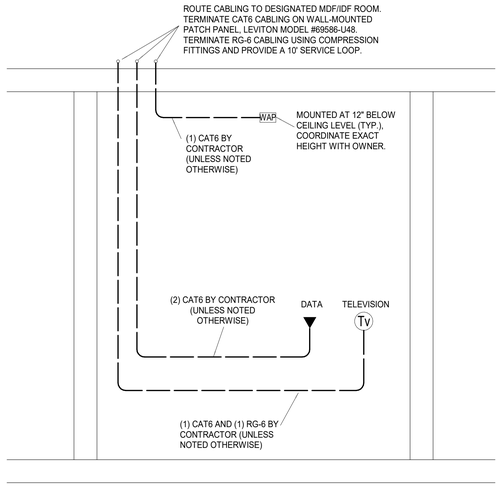
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME BUILDING 2 - OVERALL 4TH FLOORPLAN
SHEET NO. T1.08

4/13/2023 9:12:26 PM

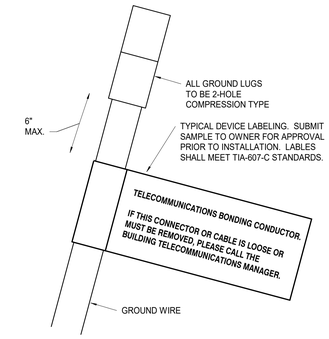
ARCH E1.30" x 42"



1 TYPICAL APARTMENT RISER DIAGRAM
NOT TO SCALE



2 TYPICAL COMMON/OFFICE AREA RISER DIAGRAM
NOT TO SCALE



3 GROUND WIRE DETAIL
NOT TO SCALE

11

NOTES:

1. DISTRIBUTED ANTENNA SYSTEM: IF BUILDING DOES NOT MEET INTERNATIONAL FIRE CODE (IFC) 510 REQUIREMENTS, CONTRACTOR SHALL INSTALL AND CERTIFY A COMPLIANT IN-BUILDING PUBLIC SAFETY DISTRIBUTED ANTENNA SYSTEM (DAS) ALSO CALLED AN EMERGENCY RESPONDER RADIO COVERAGE SYSTEM (ERRCS). THE SYSTEM SHALL INCLUDE, BUT NOT LIMITED TO ALL EQUIPMENT, MATERIALS, LABOR, DOCUMENTATION AND SERVICES NECESSARY TO FURNISH AND INSTALL A COMPLETE, OPERATIONAL PUBLIC SAFETY DAS OR ERRCS. ALL WORK TO BE CONDUCTED OR SUPERVISED BY A QUALIFIED SYSTEM INTEGRATOR WITH EXPERIENCE DESIGNING, TESTING, INSTALLING, CERTIFYING AND MAINTAINING EMERGENCY RESPONDER RADIO COVERAGE SYSTEMS. A PRELIMINARY TEST OF EXISTING, UNAMPLIFIED IN-BUILDING RADIO FREQUENCY (RF) SIGNAL COVERAGE SHALL BE CONDUCTED AT 80% CONSTRUCTION COMPLETION PRIOR TO DESIGN AND INSTALLATION OF SYSTEM. TESTING SHALL BE CONDUCTED WITH THE LATEST TEST EQUIPMENT AND ANALYTICS SOFTWARE VERSIONS AVAILABLE. CONTRACTOR SHALL PROVIDE $25,000 ALLOWANCE FOR TESTING AND $100,000 ALLOWANCE FOR SYSTEM INSTALL.

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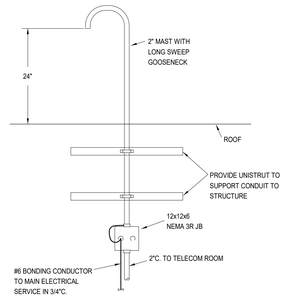
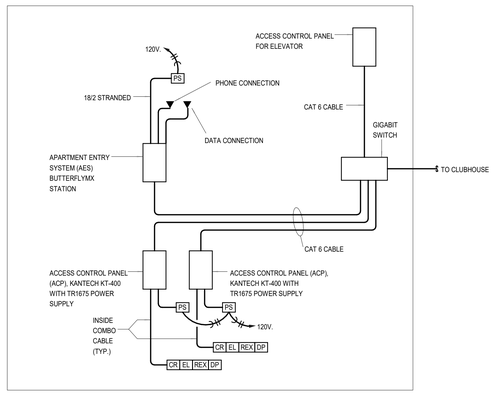
6/9/2023



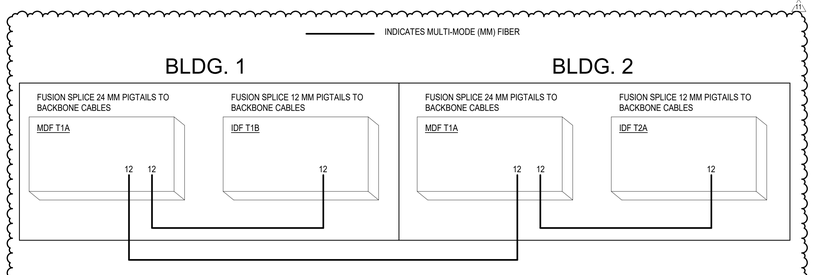
4 WEATHERHEAD DETAIL
NOT TO SCALE



8 TYPICAL ACCESS CONTROL PANEL DETAIL
NOT TO SCALE

11

INDICATES MULTI-MODE (MM) FIBER



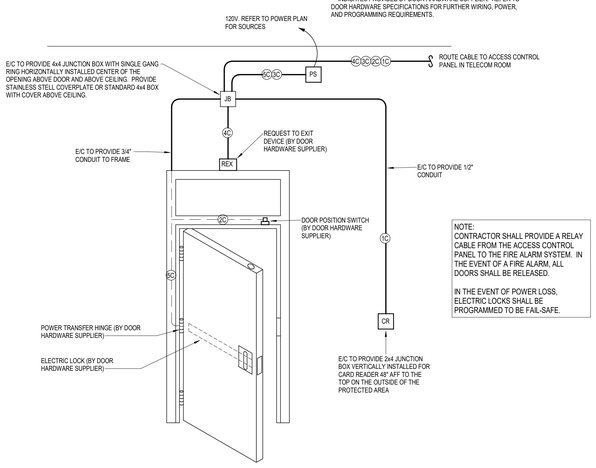
9 FIBER BACKBONE CABLE TERMINATION DETAIL
NOT TO SCALE

CABLE LEGEND:	
1C	PROXIMITY CARD READER (ORANGE) 18GA./6 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
2C	MAGNETIC SWITCH (WHITE) 18GA./2 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
3C	ELECTRIC LOCK (GRAY) 16GA./4 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
4C	REQUEST TO EXIT (BLUE) 18GA./4 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.
5C	ELECTRIC LOCK FROM PS TO PUSHBAR 18GA./4 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE.

ACCESS CONTROL CABLE SCHEDULE:	
1C 2C 3C 4C	BELDEN MODEL #538AFS
6C	BELDEN MODEL #5302FE

ACCESS CONTROL DEVICE LEGEND:	
ACP	ACCESS CONTROL PANEL
CR	HID CARD READER
REX	REQUEST TO EXIT *
DP	DOOR POSITION SWITCH *
EL	ELECTRIC LOCK (24V. DC) *
PS	POWER SUPPLY (24V. DC) *
ADA	ADA PUSHBUTTON *
DADA	DUAL ADA PUSHBUTTON*
ADAM	ADA MOTORIZED OPERATOR *
VIMS	VIDEO INTERCOM MASTER STATION
VIC	VIDEO INTERCOM

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

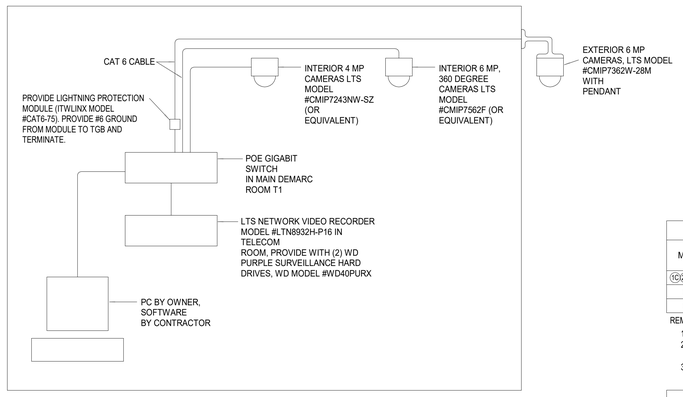


NOTE:
CONTRACTOR SHALL PROVIDE A RELAY CABLE FROM THE ACCESS CONTROL PANEL TO THE FIRE ALARM SYSTEM. IN THE EVENT OF A FIRE ALARM, ALL DOORS SHALL BE RELEASED.

IN THE EVENT OF POWER LOSS, ELECTRIC LOCKS SHALL BE PROGRAMMED TO BE FAIL-SAFE.

6 TYPICAL ACCESS DOOR DETAIL
NOT TO SCALE

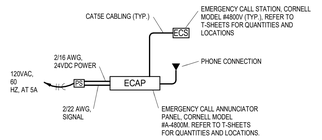
NOTE:
THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, CAMERA LICENSING, SOFTWARE, PROGRAMMING, ETC. FOR A FULLY OPERATIONAL VIDEO SURVEILLANCE SYSTEM.



7 TYPICAL SECURITY CAMERA DETAIL
NOT TO SCALE

TWO-WAY COMMUNICATION SYSTEM SCHEDULE				
MARK	MANUFACTURER	MODEL NUMBER	DESCRIPTION	REMARKS
ECAP	CORNELL	A-4800M	EMERGENCY CALL ANNUNCIATOR PANEL	1, 4
ECS	CORNELL	4800V	EMERGENCY CALL STATION	2, 4
PS	CORNELL	B-5248A	POWER SUPPLY	3

REMARKS:
1 - PROVIDE POWER SUPPLIES AS REQUIRED. PROVIDE WITH STI MODEL #STI-7521 NEMA 4X CLEAR ENCLOSURE WITH THUMB LOCK.
2 - PROVIDE WITH DOUBLE GANG BACKBOX AND STI MODEL #STI-7511E CLEAR ENCLOSURE WITH THUMB LOCK.
3 - VERIFY SIZE OF POWER SUPPLY WITH LAYOUT OF THE SYSTEM.
4 - VERIFY LOCATION WITH AHJ.



5 TWO-WAY COMMUNICATION DIAGRAM
NOT TO SCALE

ACCESS CONTROL CABLE SCHEDULE				
MARK	MANUFACTURER	MODEL/PART NUMBER	DESCRIPTION	REMARKS
1C 2C 3C 4C	BELDEN	538AFS	INSIDE ACCESS CONTROL CABLE (COMBO CABLE)	1
5C	BELDEN	5302UE	ELECTRIC LOCK CABLE 18 GA 4 COND STRANDED	1, 2
6C	CSC	759218	OUTSIDE ACCESS CONTROL CABLE (COMBO CABLE)	1

REMARKS:
1 - PROVIDED AND INSTALLED BY E/C.
2 - E/C TO ROUTE CABLE FROM DEVICE AND LEAVE A 8'-0" SERVICE LOOP AT THE BURGLAR ALARM PANEL. PROVIDE A 24" SERVICE LOOP AT DEVICE. PROVIDE A MECHANICALLY PRINTED LABEL ON EACH END OF EACH CABLE FOR REFERENCE.
3 - PROVIDED AS A PART OF THE DOOR HARDWARE PACKAGE.

SECURITY SCHEDULE				
MARK	MANUFACTURER	MODEL NUMBER	DESCRIPTION	REMARKS
CR	HID	RP40	CARD READER	
ACP	KANTECH	KT400	ACCESS CONTROL PANEL	3
AES	KANTECH	KTES	APARTMENT ENTRY SYSTEM	
	HID		FOBs	1

REMARKS:
1 - VERIFY QUANTITY WITH OWNER.
2 - DOUBLE POLE, DOUBLE THROW FOR ACCESS CONTROL AND BURGLAR ALARM.
3 - PROVIDE QUANTITIES SHOWN ON PLANS.

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△REVISIONS
11 23-11-03 ASI #7

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JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME TELECOM DETAILS
SHEET NO. T2.01

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