ARCH E1.30" x 42"

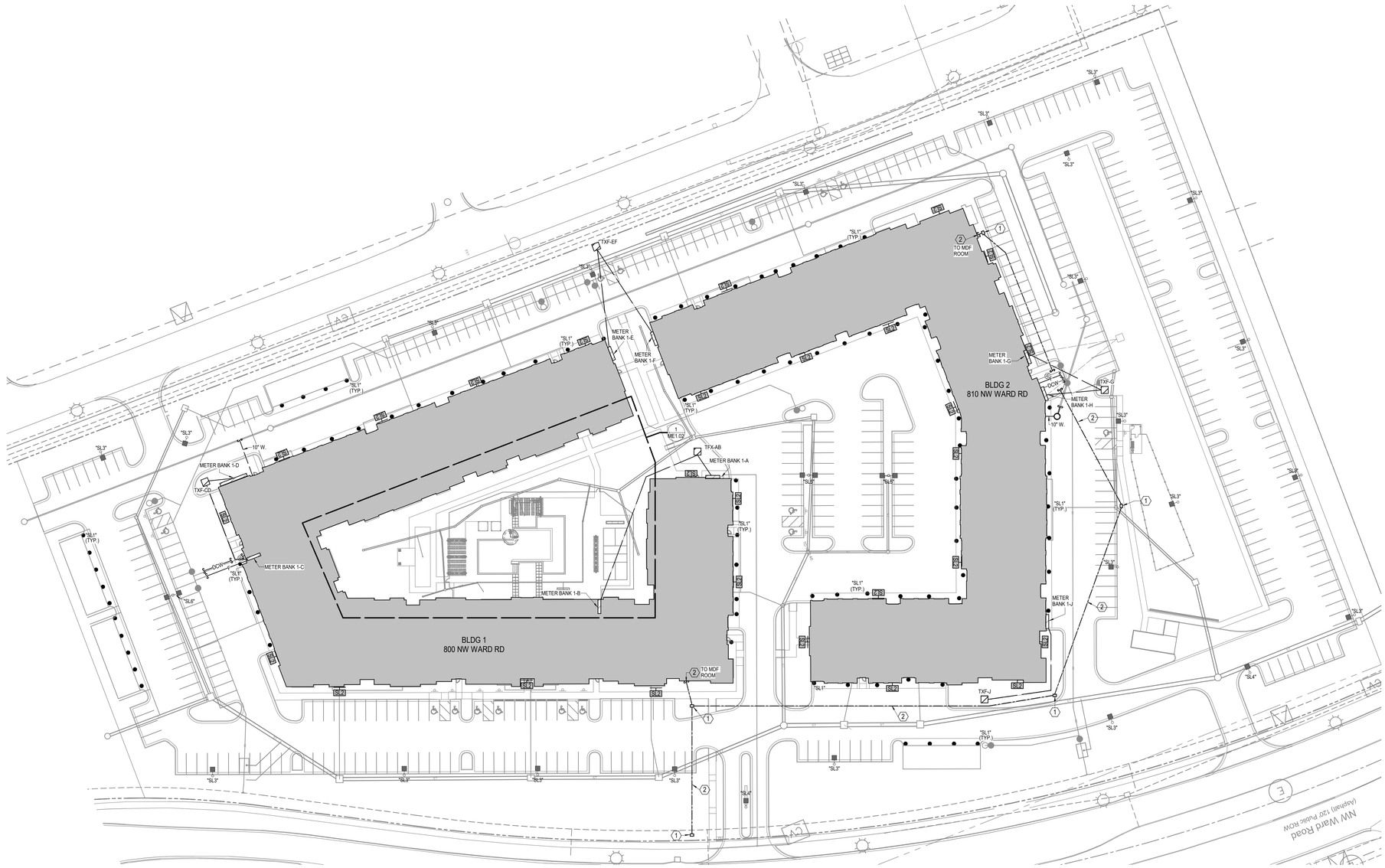
## SITE LIGHT FIXTURE SCHEDULE

| 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.
ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES
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F. 913.831.1563
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PRAIRIE VILLAGE, KS 66208

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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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

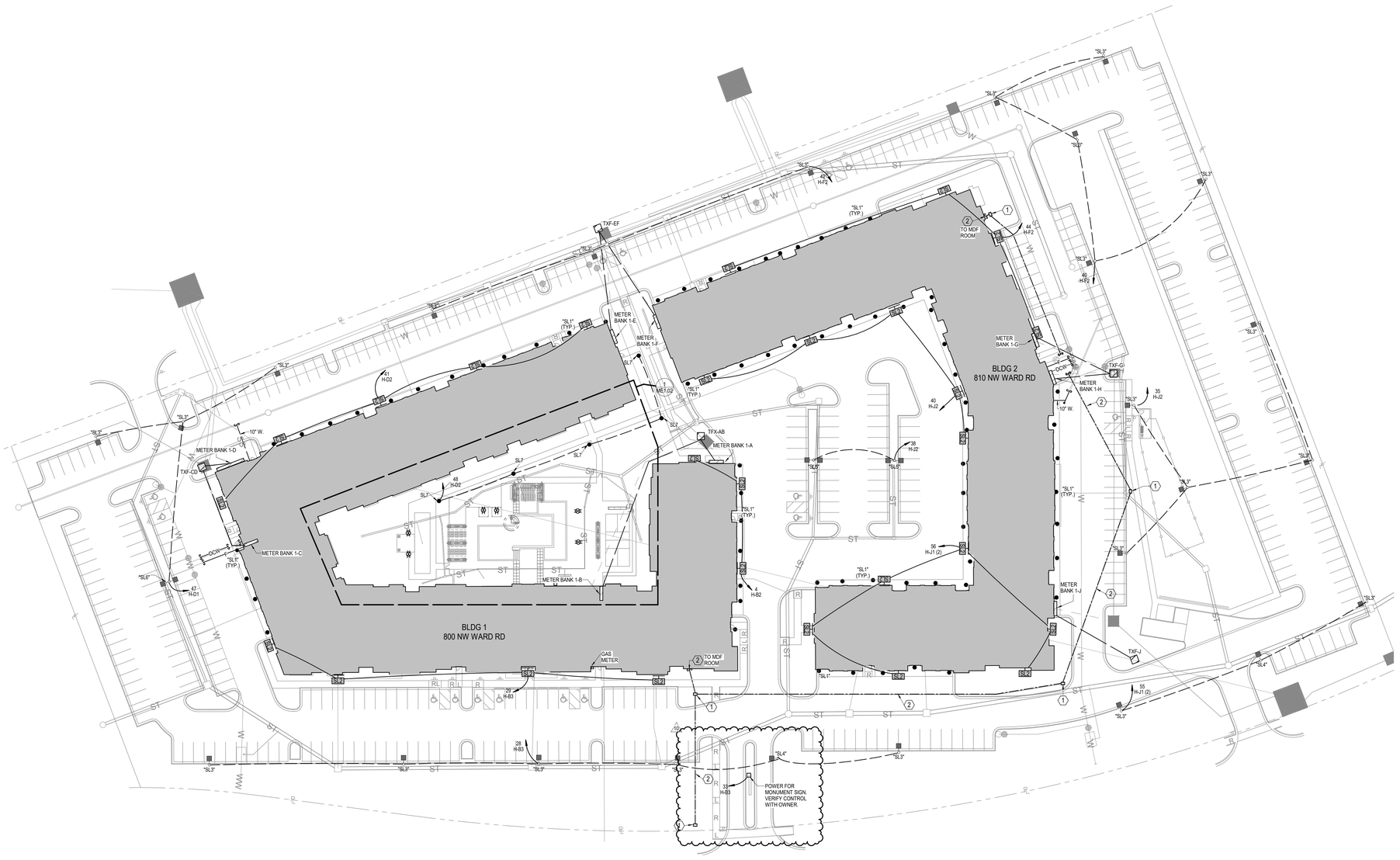
NOTES:

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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ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES
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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 |


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LSA PROJECT NO. 2204061

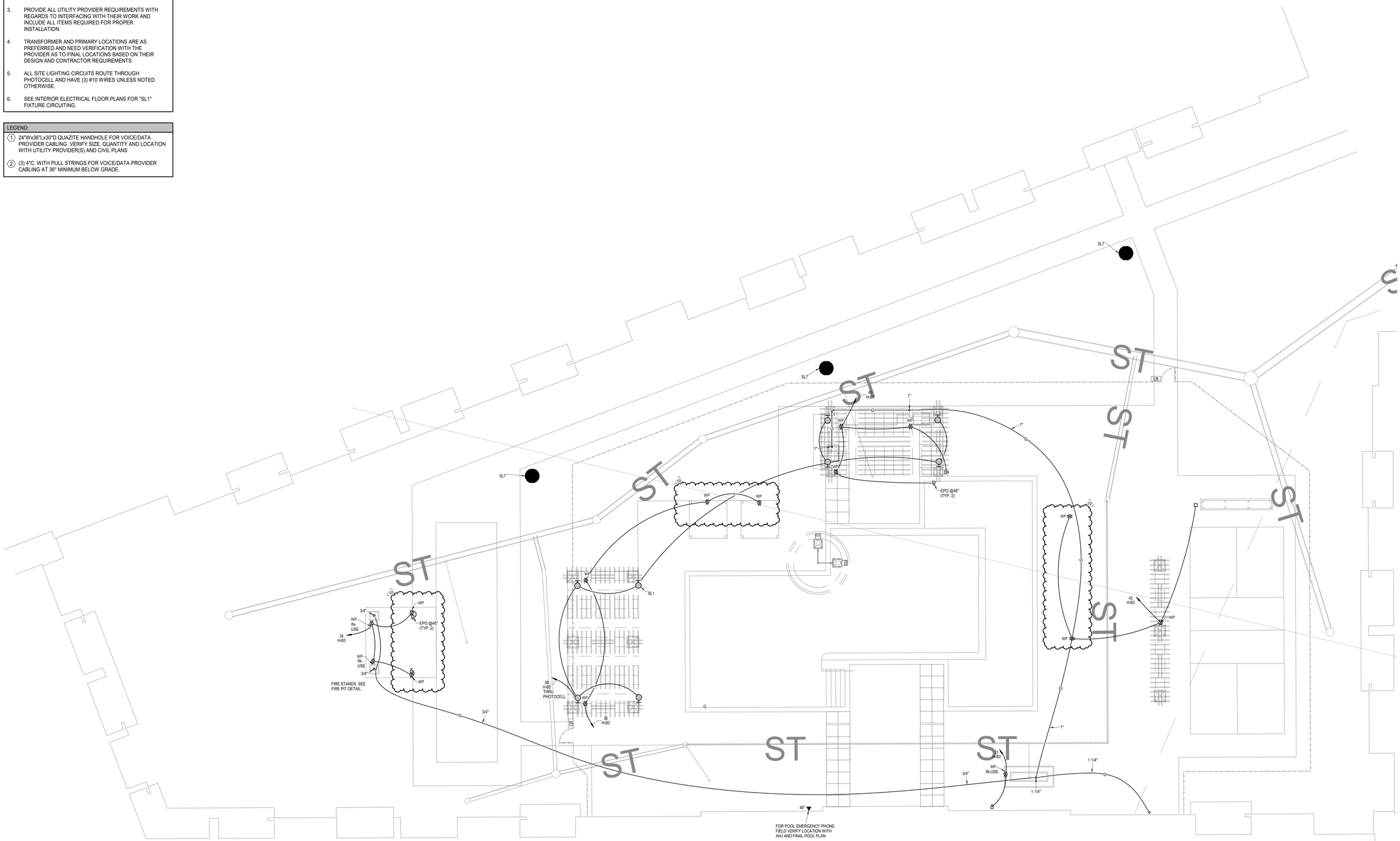

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SITE PLAN
SHEET NO. ME1.01

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. |
| 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. |




NORTH

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

△ REVISIONS

| | | |
|---|---|---|
| 2 | 23.0428 | ADD 1CC 2 |
| 5 | 23-06-09 | ASI 1 |
| 8 | 23-08-11 | ASI 4 |
| 10 | 23-09-15 | ASI 6 |


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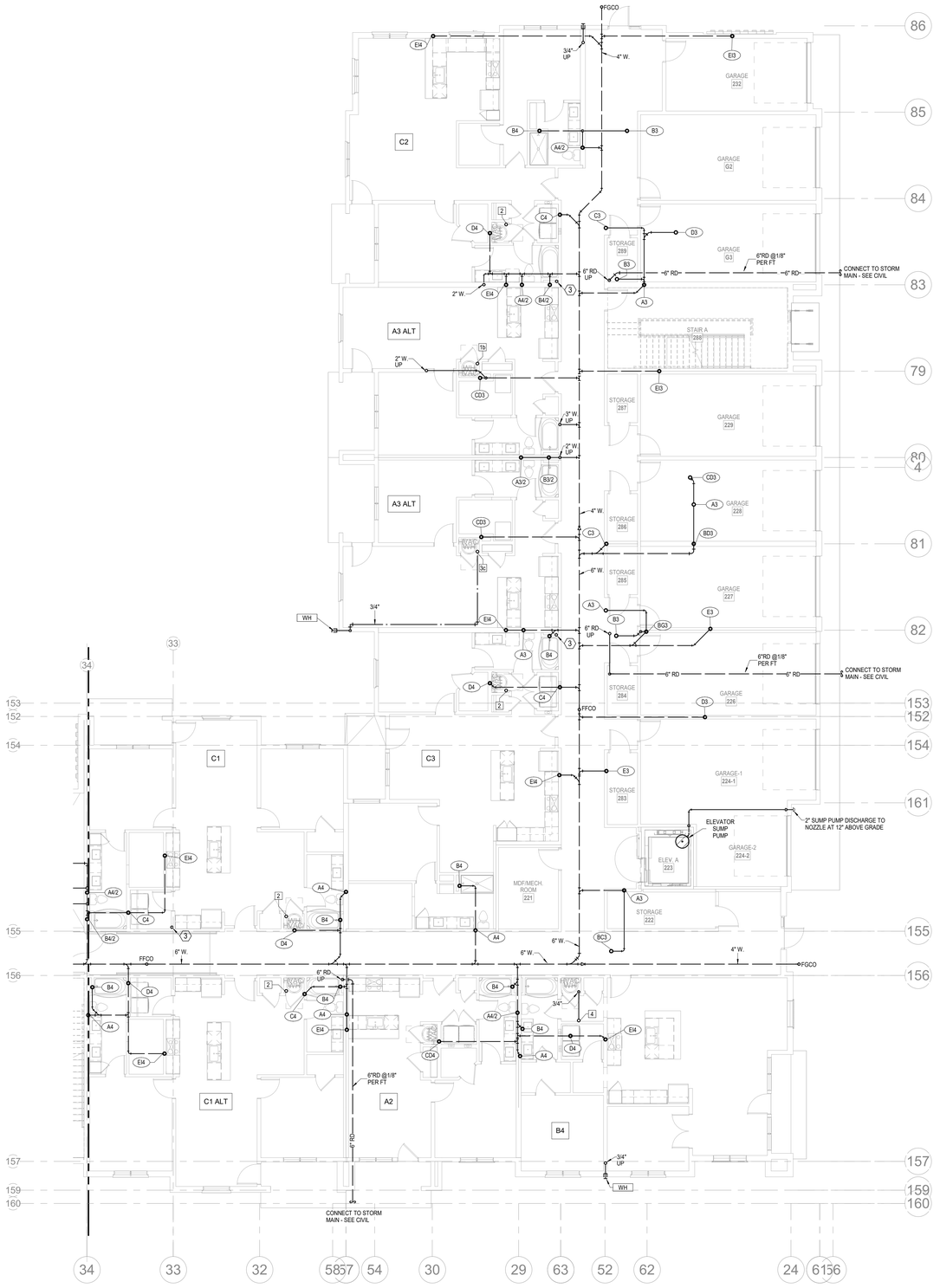
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


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

9/15/2023 9:44:56 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. |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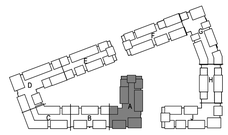
6/9/2023

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 | 23-04-05 | 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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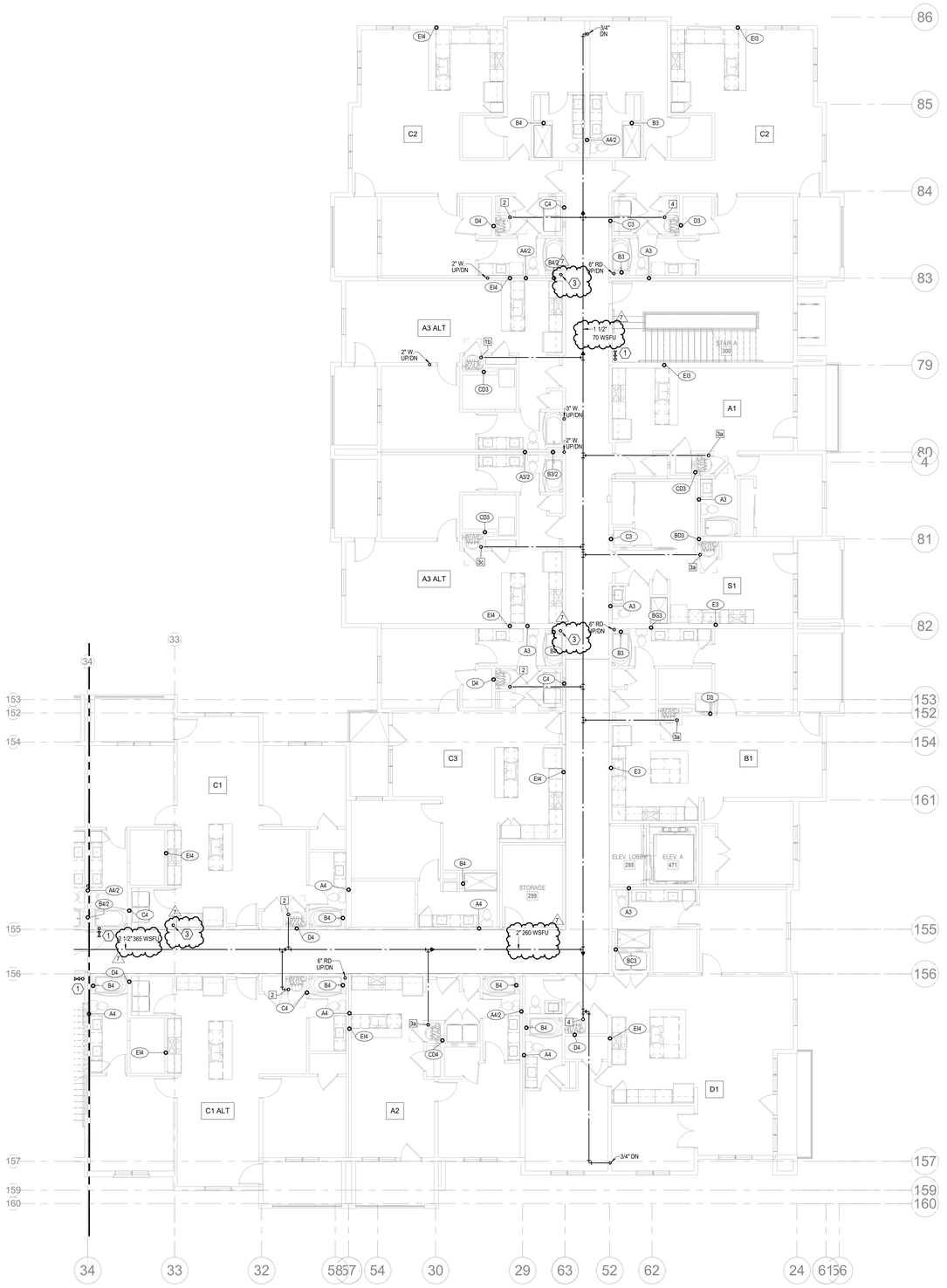
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


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

NSPJ ARCHITECTS, Inc.
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PRAIRIE VILLAGE, KS 66208

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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

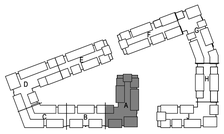
6/9/2023

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

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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8625 College Boulevard, Suite 102
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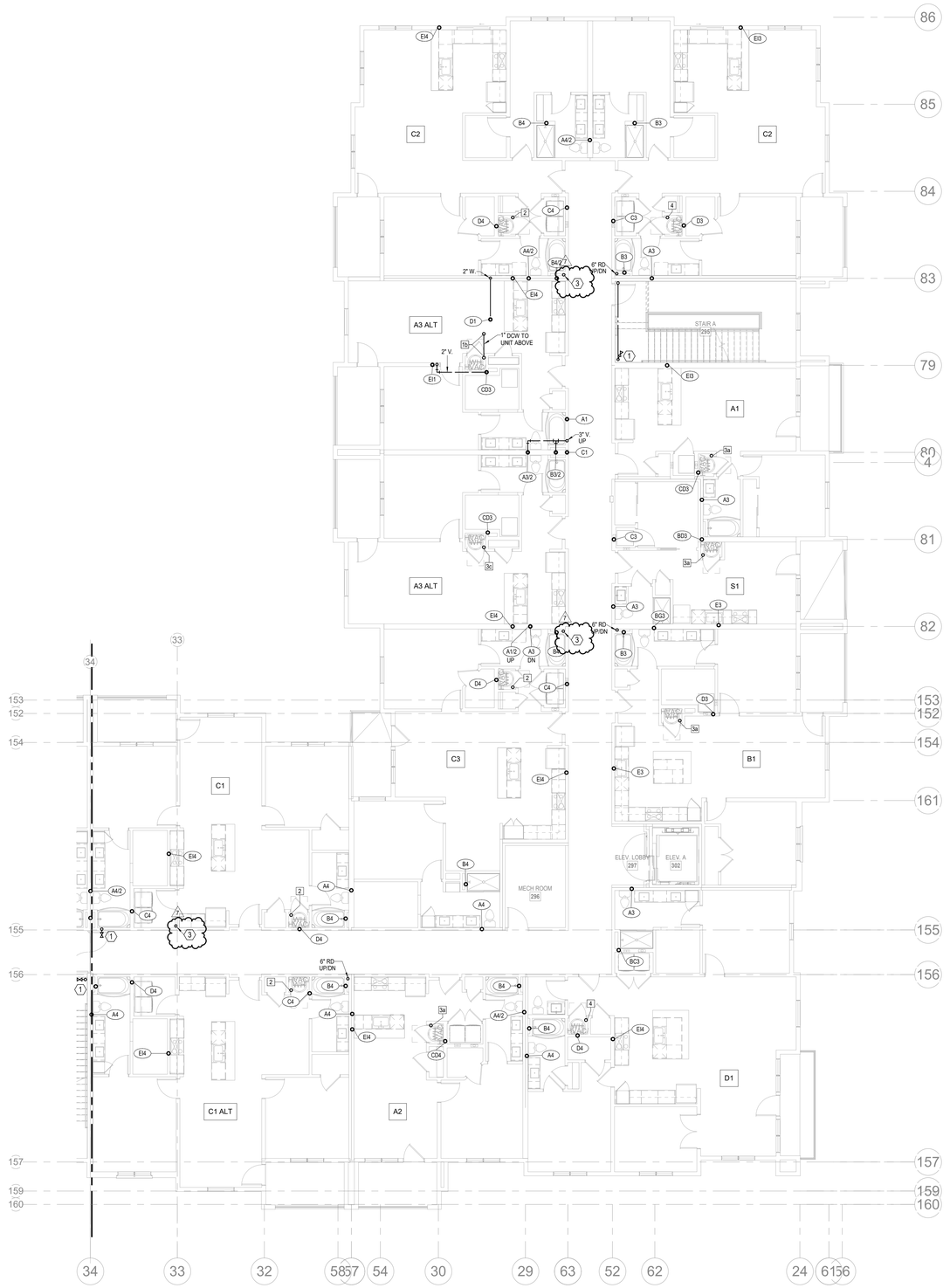
LSA PROJECT NO. 2204061

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

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

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RICHARD R. BEARDMORE
NUMBER
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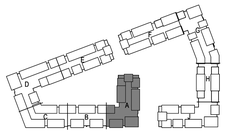
6/9/2023

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 1CC 2 |
| 7 | 23-07-13 | ASI 3 |

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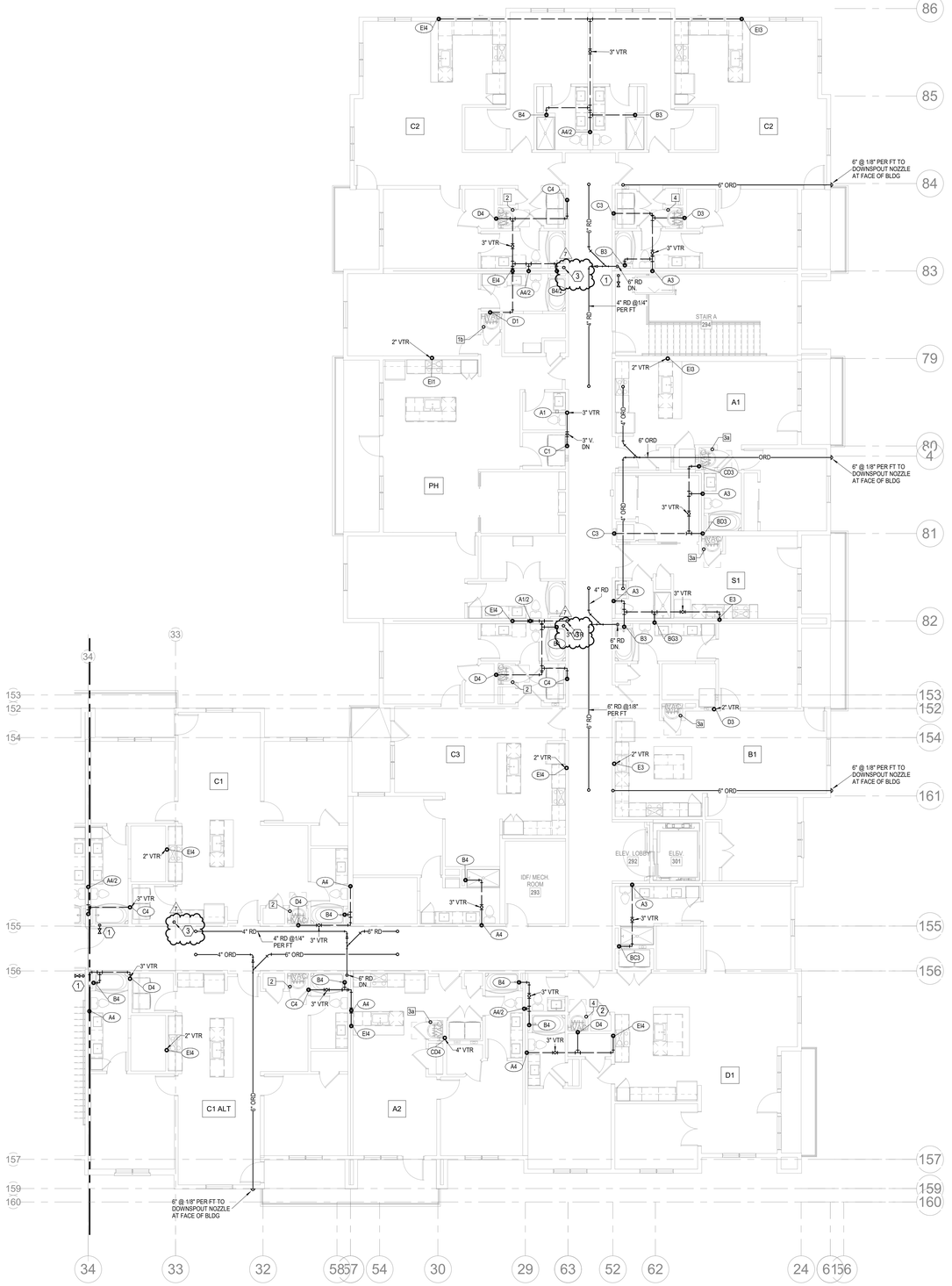
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT 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: |
|---|
| 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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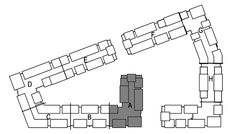
- 03.15.2023 - PERMIT SUBMITTAL




NORTH

## KEY PLAN

NO SCALE

REVISIONS

| | | |
|---|---|---|
| 2 | 23 0428 | ADD 1/CC 2 |
| 7 | 23-07-13 | ASI 3 |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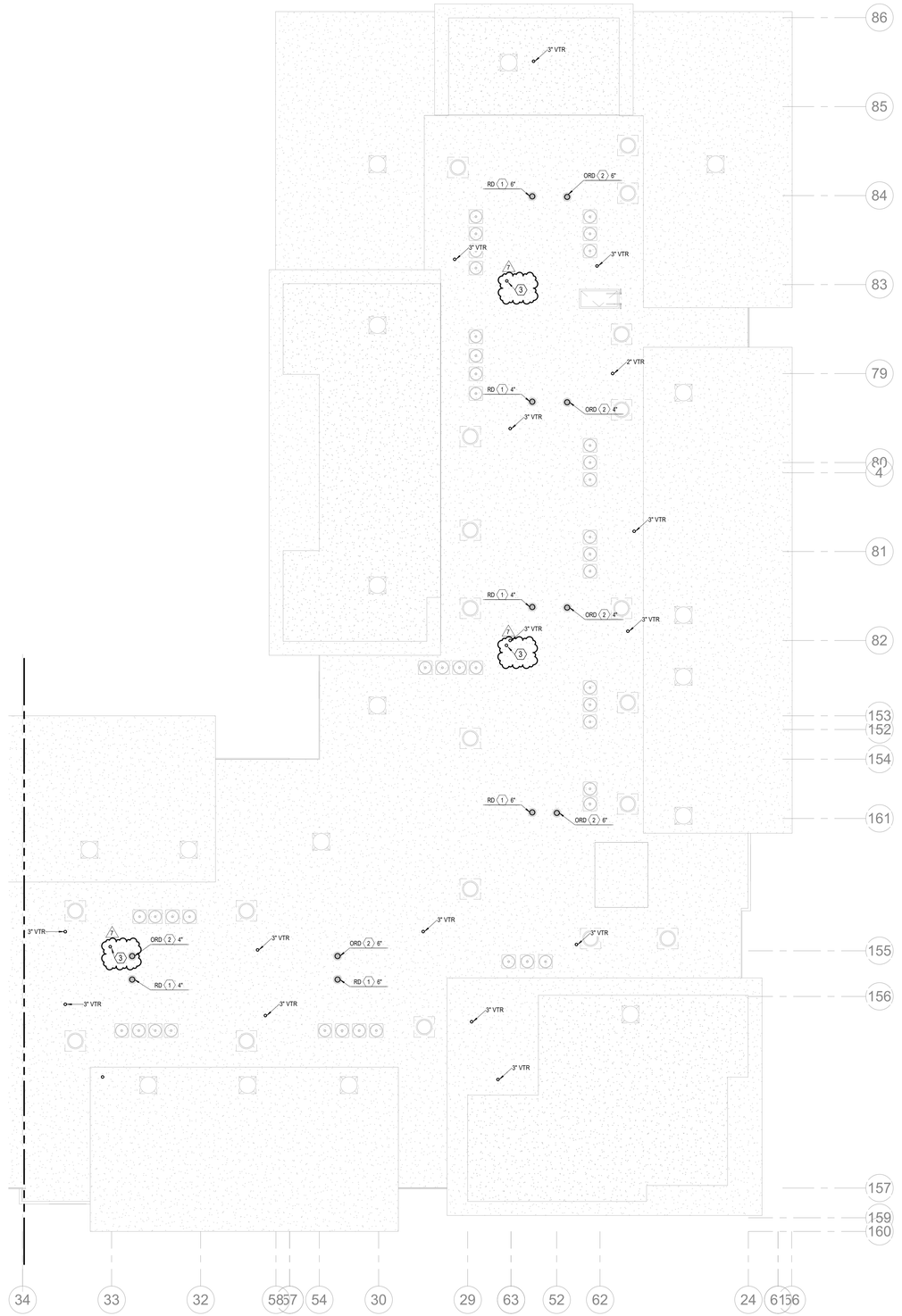
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


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.
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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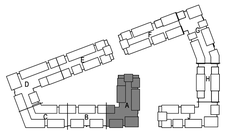


NORTH

## KEY PLAN

NO SCALE

REVISIONS

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

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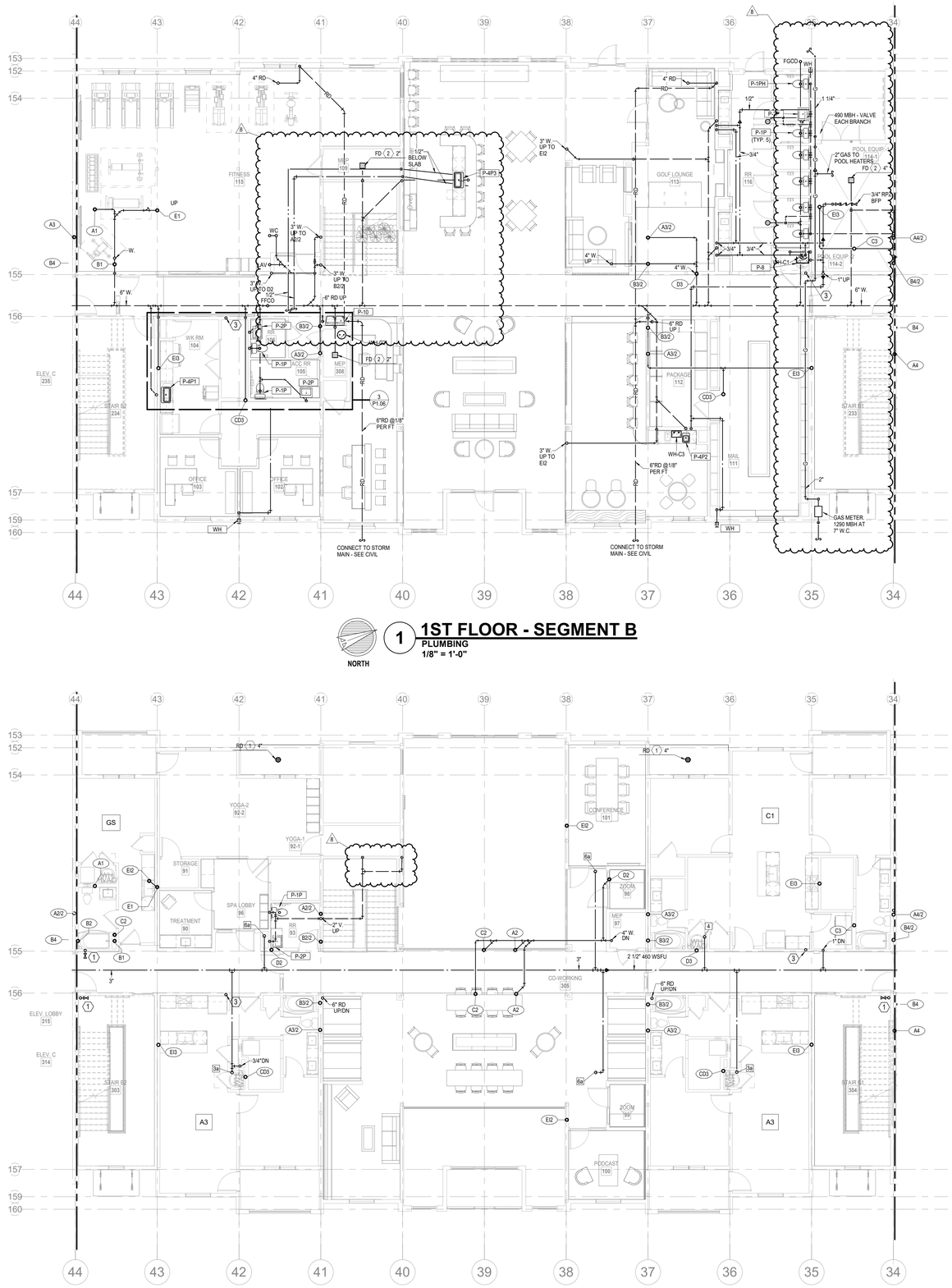
LSA PROJECT NO. 2204061

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

7/13/2023 4:29:13 PM

ARCH E1.50" x 42"



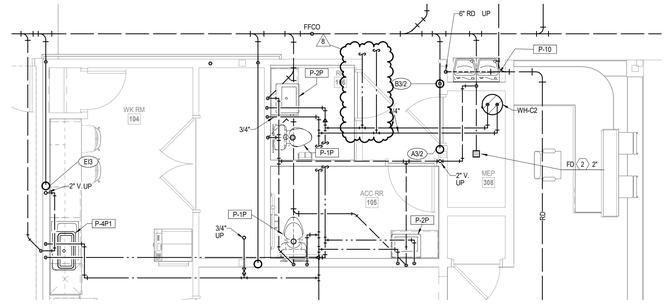

NORTH

## 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. |
| 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. |

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NUMBER 2010018744
PROFESSIONAL ENGINEER
6/9/2023

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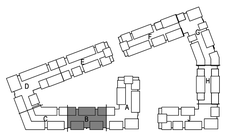

NORTH

## KEY PLAN
NO SCALE

△REVISIONS

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

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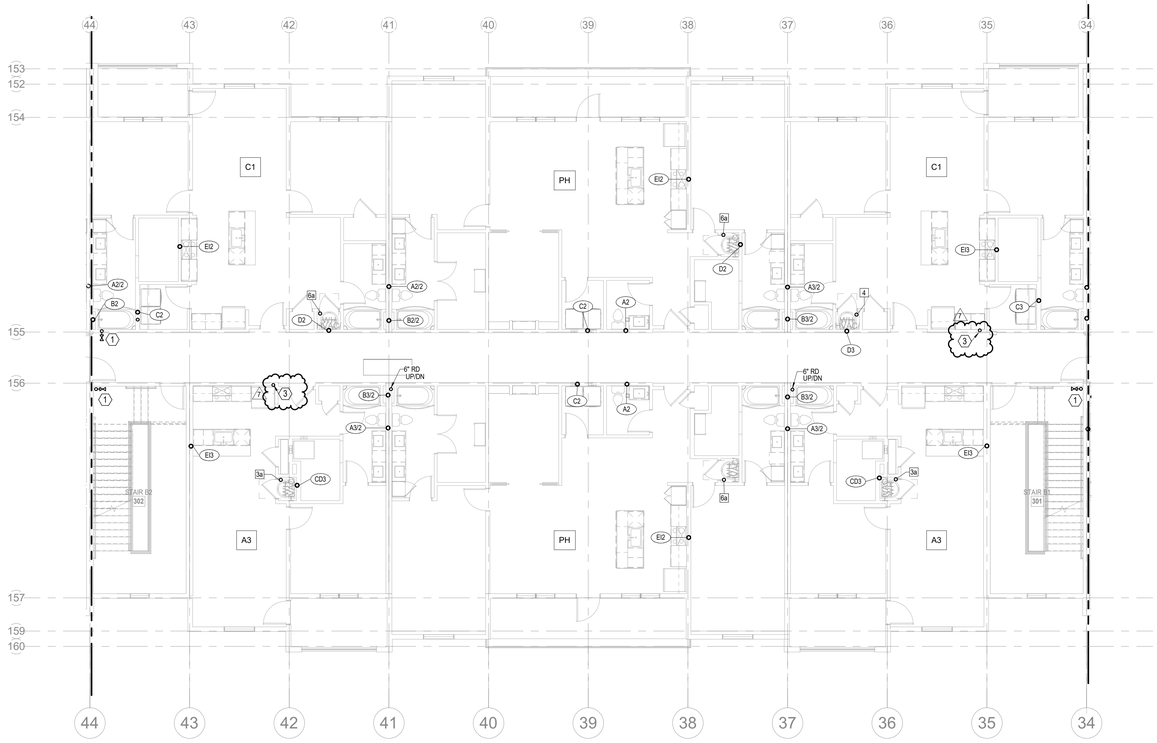
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

8/10/2023 2:20:31 PM

ARCH E1 30" x 42"

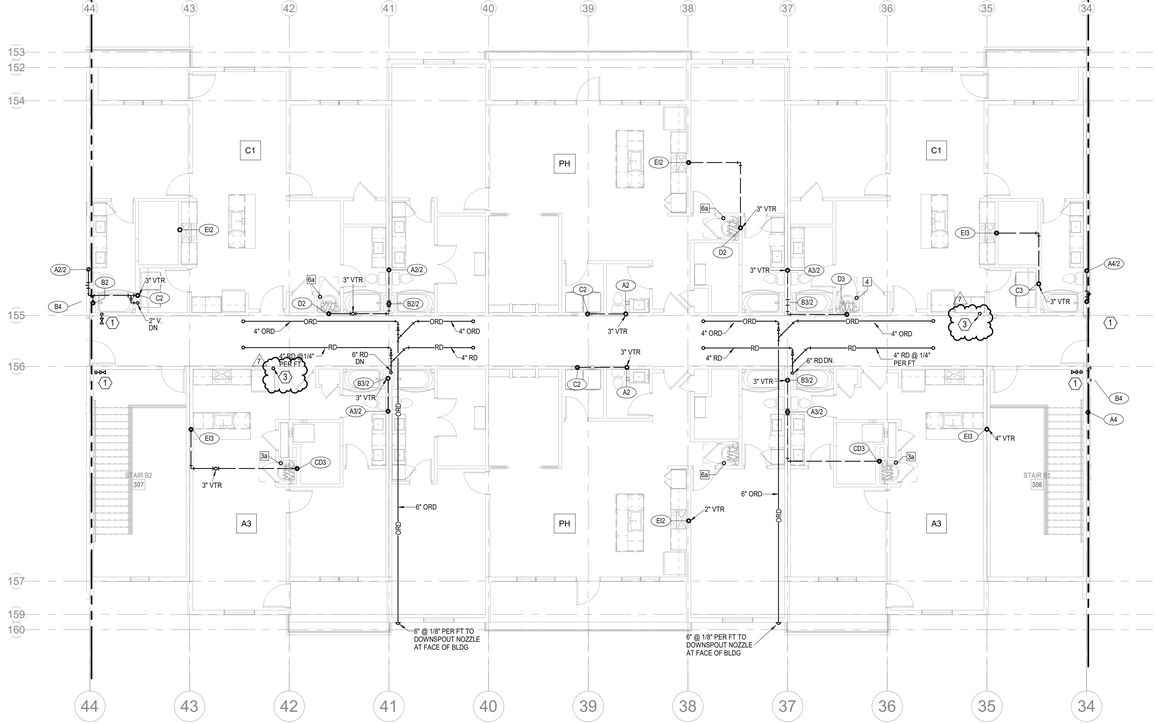



NORTH

## 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.
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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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
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6/9/2023

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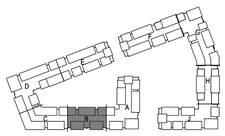

NORTH

## KEY PLAN

NO SCALE

REVISIONS

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

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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 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.
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.
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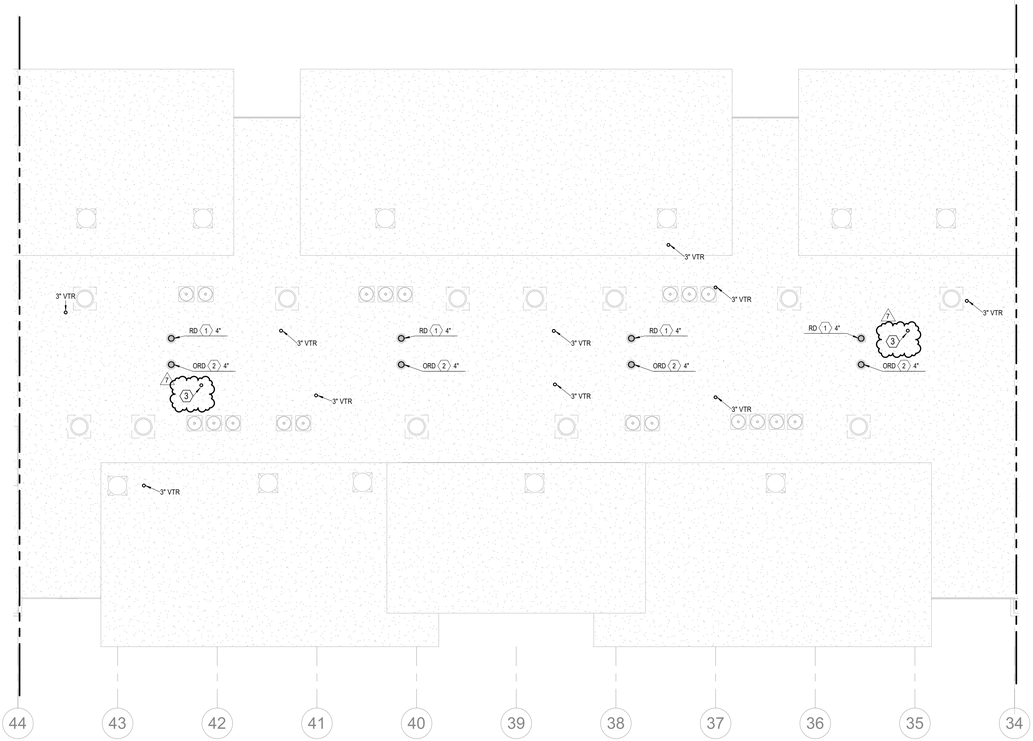


NORTH

## 1 ROOF PLAN - SEGMENT B

PLUMBING
1/8" = 1'-0"

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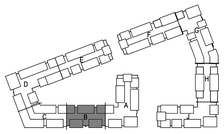

NORTH

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

7/13/2023 4:29:21 PM

ARCH E1.30" x 42"

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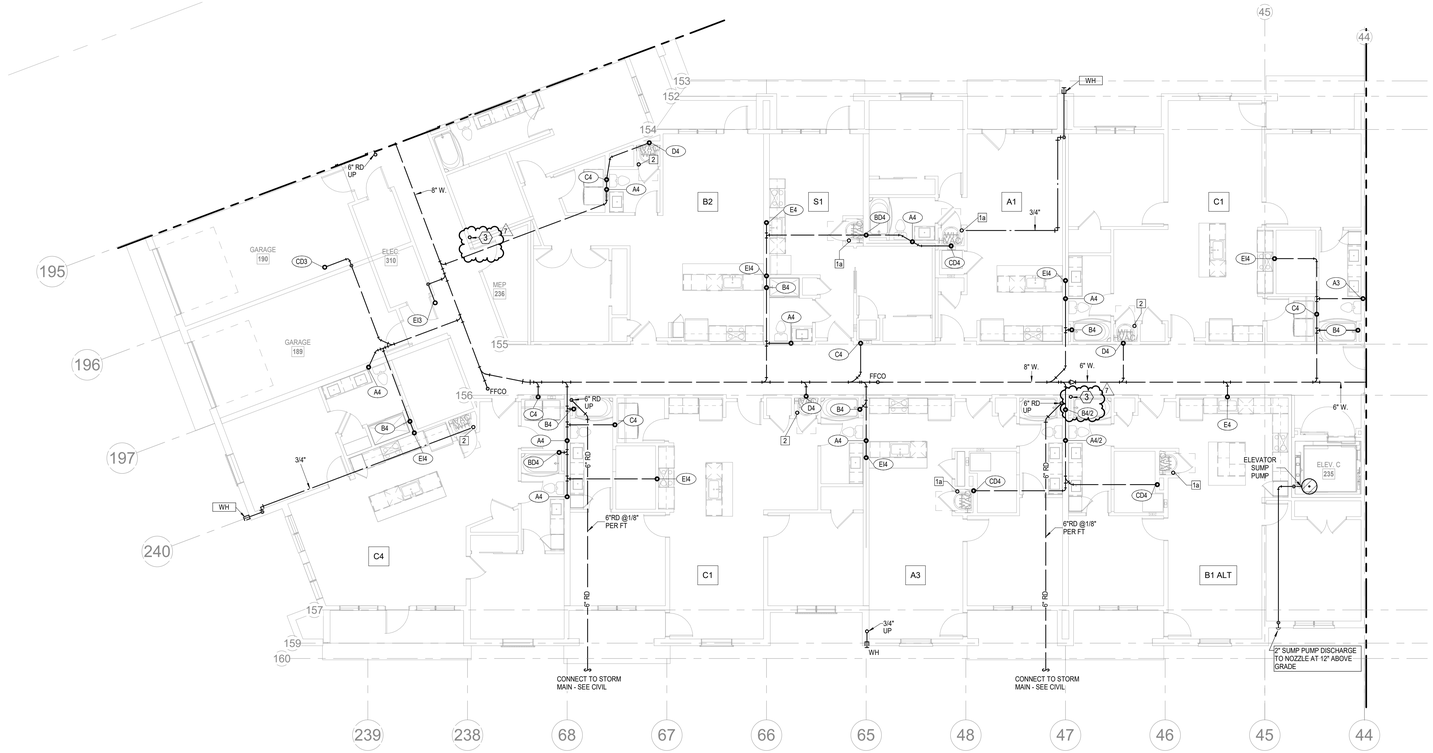
| LEGEND: |
|---|
| (1) CLASS 1MANUAL STANDPIPE WITH VALVE. |
| (2) 3/4" CW UP TO ROOF HYDRANT. |
| (3) 4" PVC UP THROUGH ROOF FOR FUTURE RADON SYSTEM. |

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


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NUMBER A-2007018744
PROFESSIONAL ENGINEER
6/9/2023

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## KEY PLAN
NO SCALE

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


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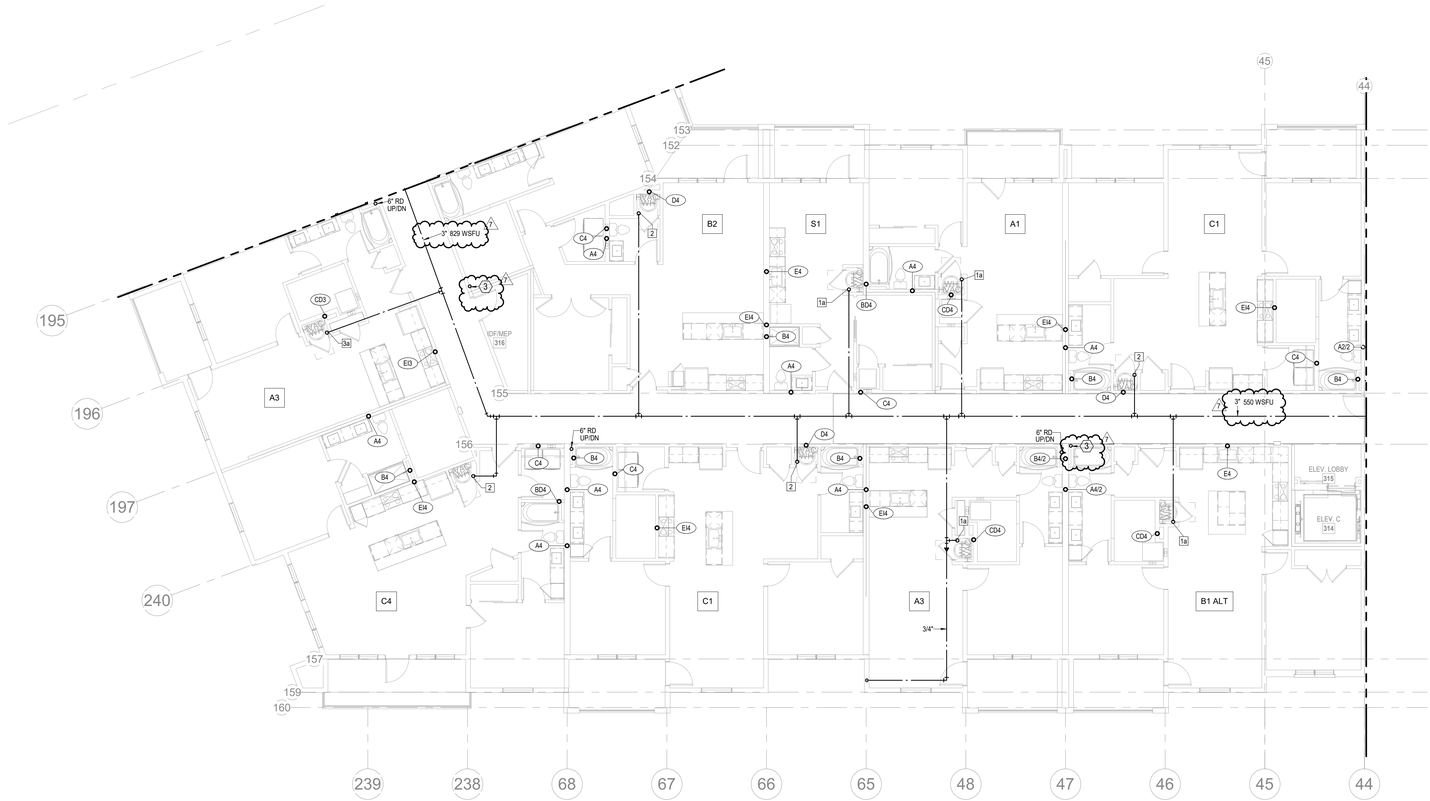
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT C - 1ST FLOOR - PLUMBING
SHEET NO. P1.09

7/13/2023 4:29:23 PM

ARCH E1.30" x 42"




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

NORTH

NOTES:

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
PROFESSIONAL ENGINEER

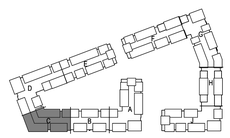
6/9/2023

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 20.0428 ADD 1/CC 2
7 23-07-13 ASI 3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8625 College Boulevard, Suite 103
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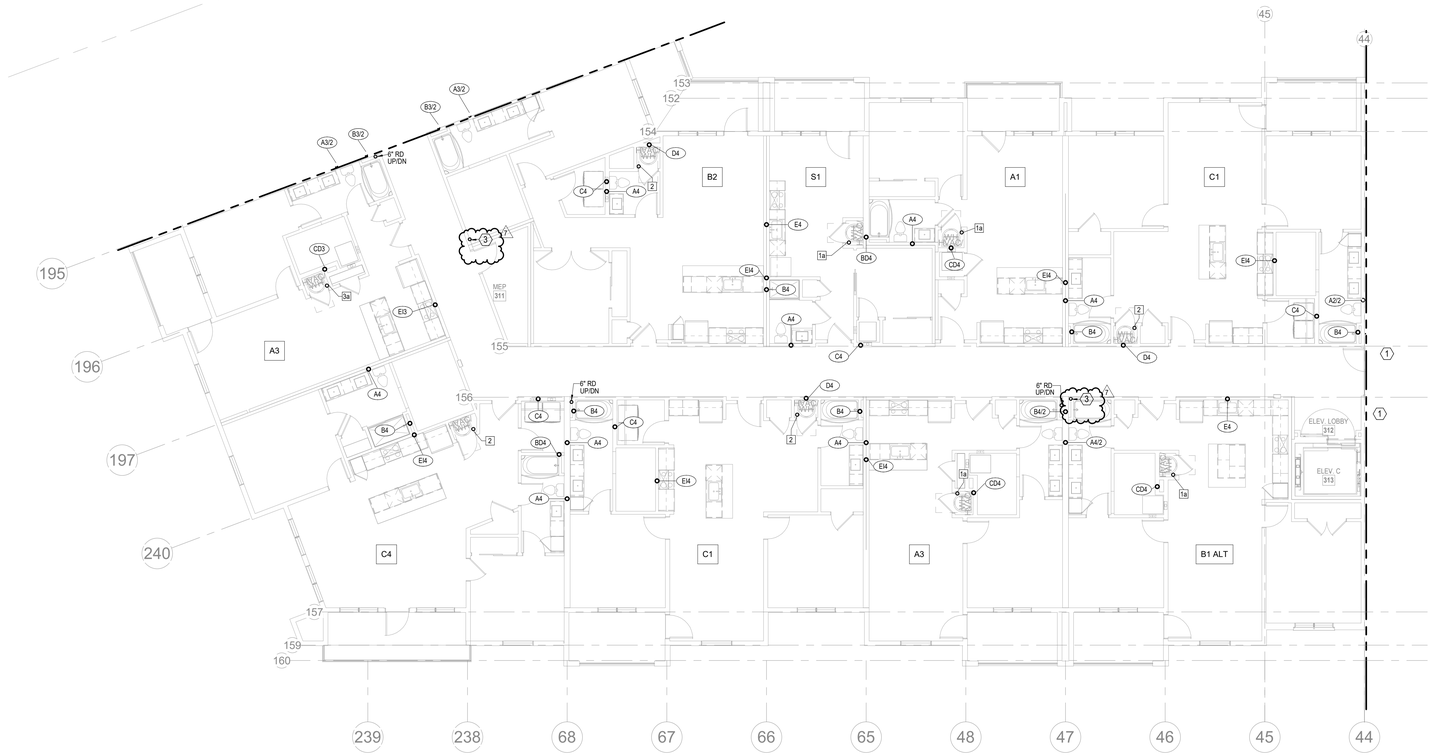
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


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

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

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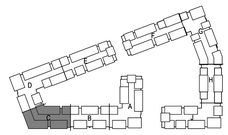

KEY PLAN

NO SCALE

NORTH

△ 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

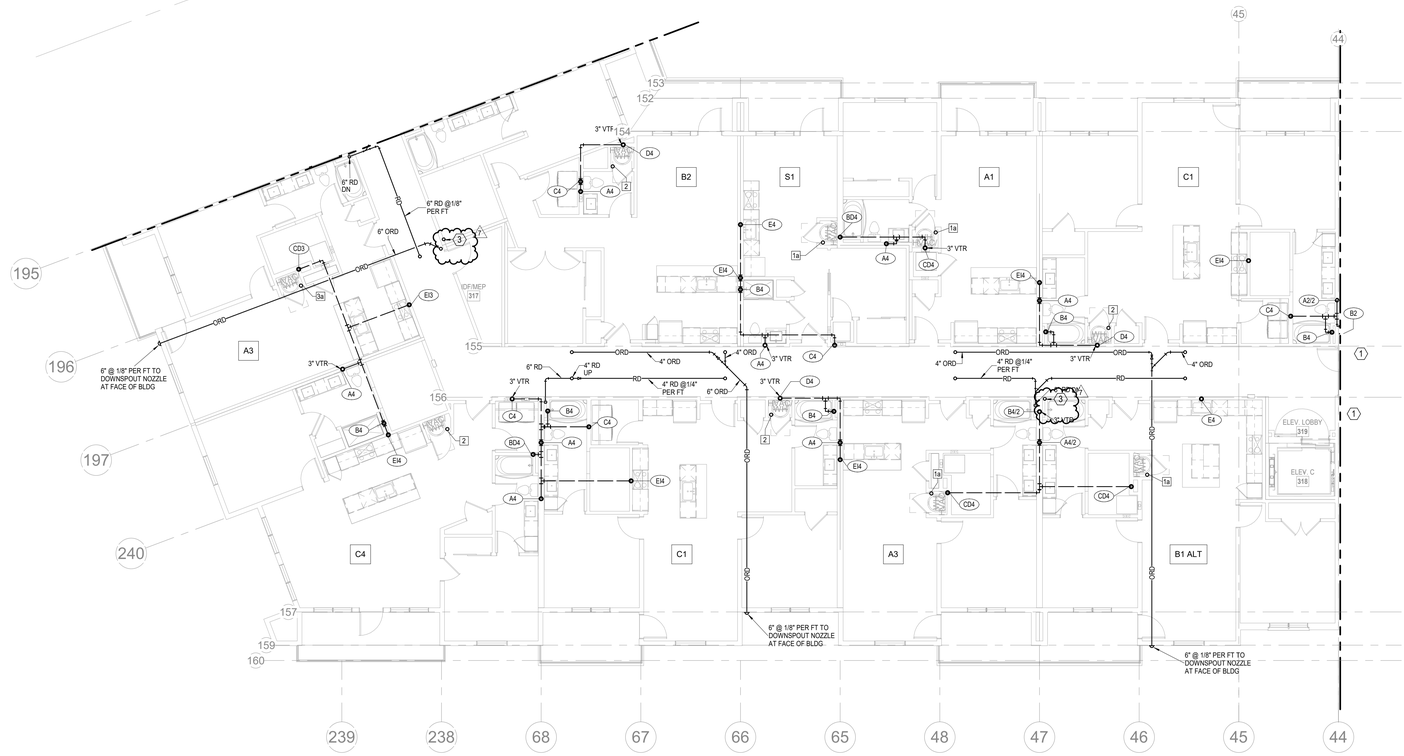
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT C - 3RD FLOOR - PLUMBING
SHEET NO. P1.11

7/13/2023 4:29:26 PM

ARCH E1.30" x 42"

| 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. |




NORTH

## 1 4TH FLOOR - SEGMENT C

PLUMBING

1/8" = 1'-0"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REVISIONS

| | | |
|---|---|---|
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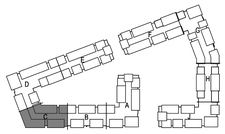
| 7 | 23-07-13 | ASI 3 |




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 - 4TH FLOOR - PLUMBING
SHEET NO. P1.12

7/13/2023 4:29:27 PM

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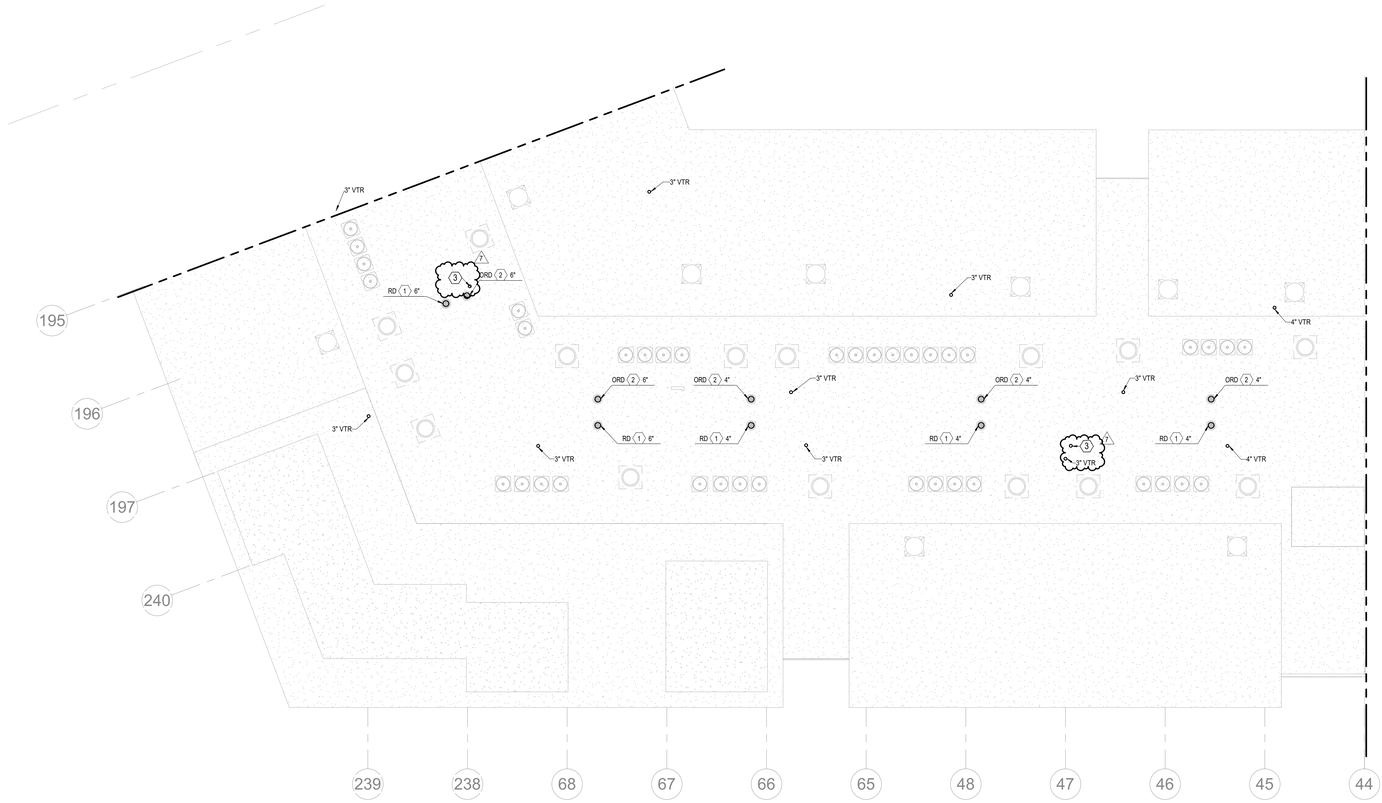


NORTH

## 1 ROOF PLAN - SEGMENT C

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.
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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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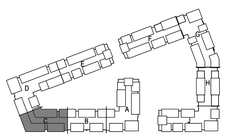
△REVISIONS
7 23-07-13 ASI 3




NORTH

## KEY PLAN

NO SCALE

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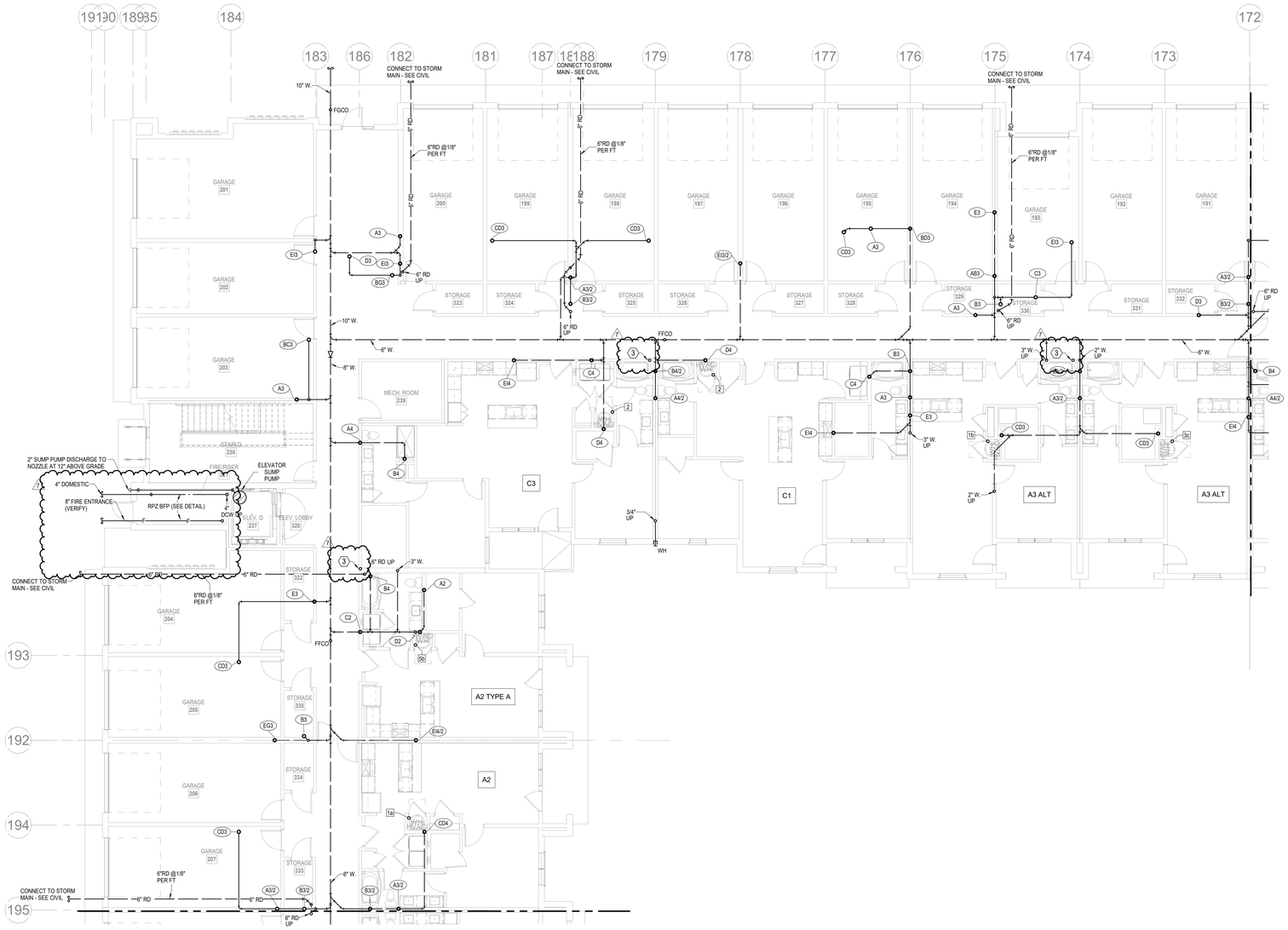
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

| 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. |
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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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| 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
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6/9/2023

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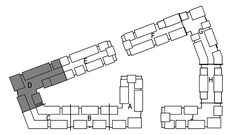

NORTH

## KEY PLAN

NO SCALE

△ REVISIONS

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

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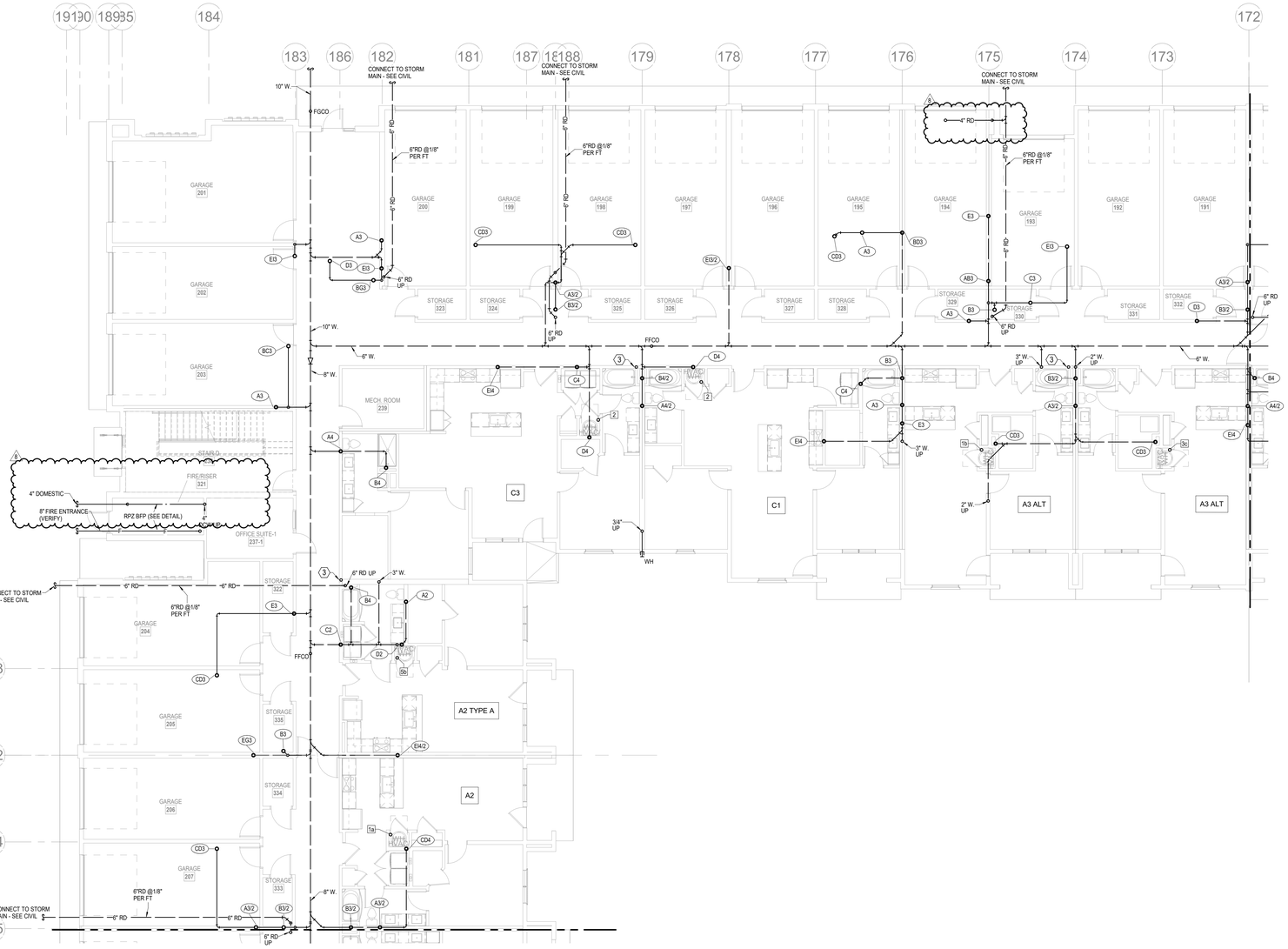
LSA PROJECT NO. 2204061

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: |
|---|
| 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. |

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6/9/2023

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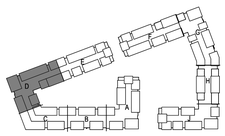

NORTH

**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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JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
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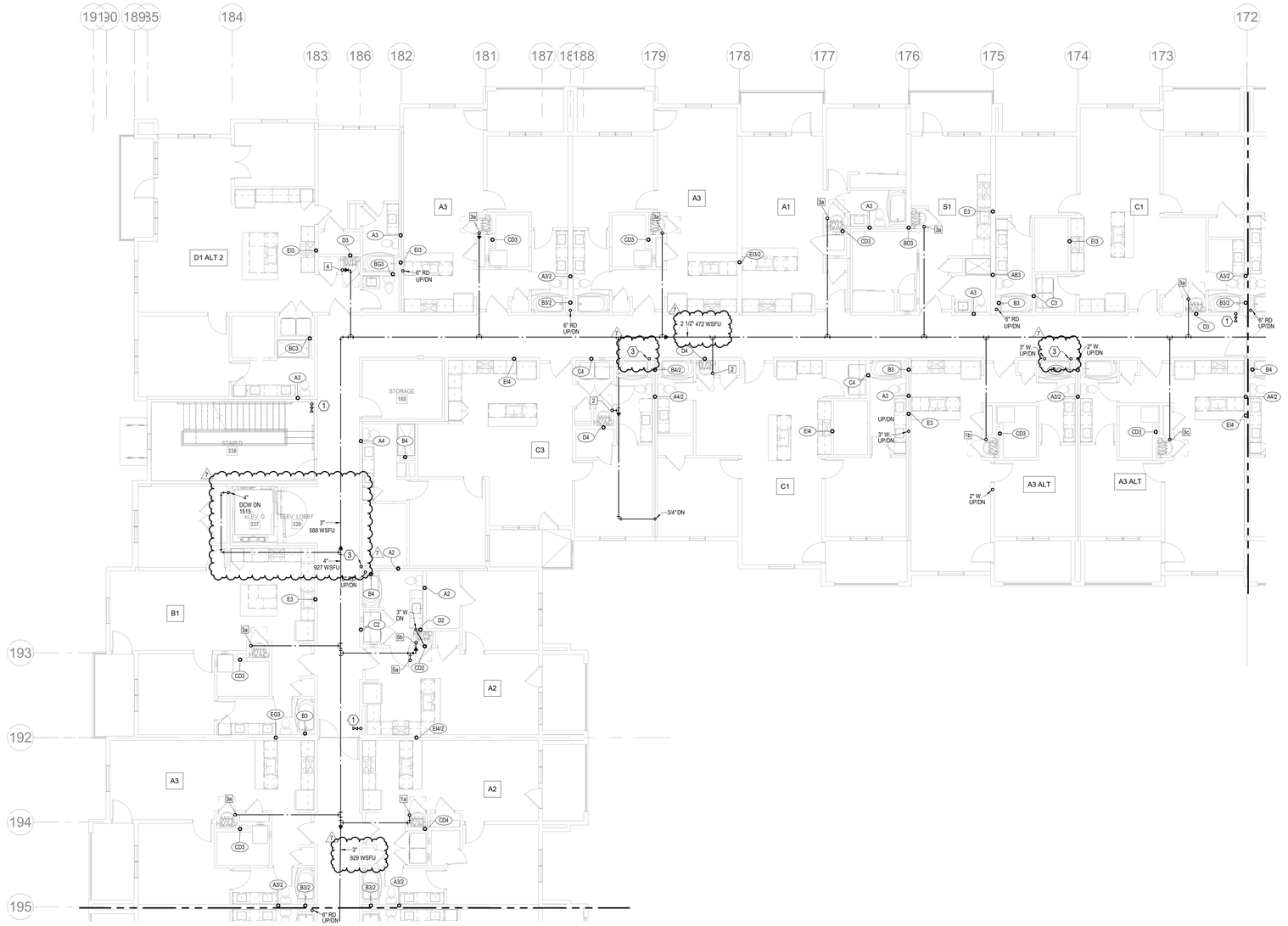
SHEET NO. P1.14

8/10/2023 2:20:35 PM

ARCH E1.50" x 42"




1 **2ND FLOOR - SEGMENT D**
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. |
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| 5. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS. |
| 6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES. |
| 7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS. |
| 8. ALL FIXTURES SHALL HAVE 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
PROFESSIONAL ENGINEER

6/9/2023

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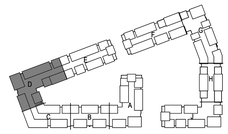
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN
NO SCALE

△ REVISIONS

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

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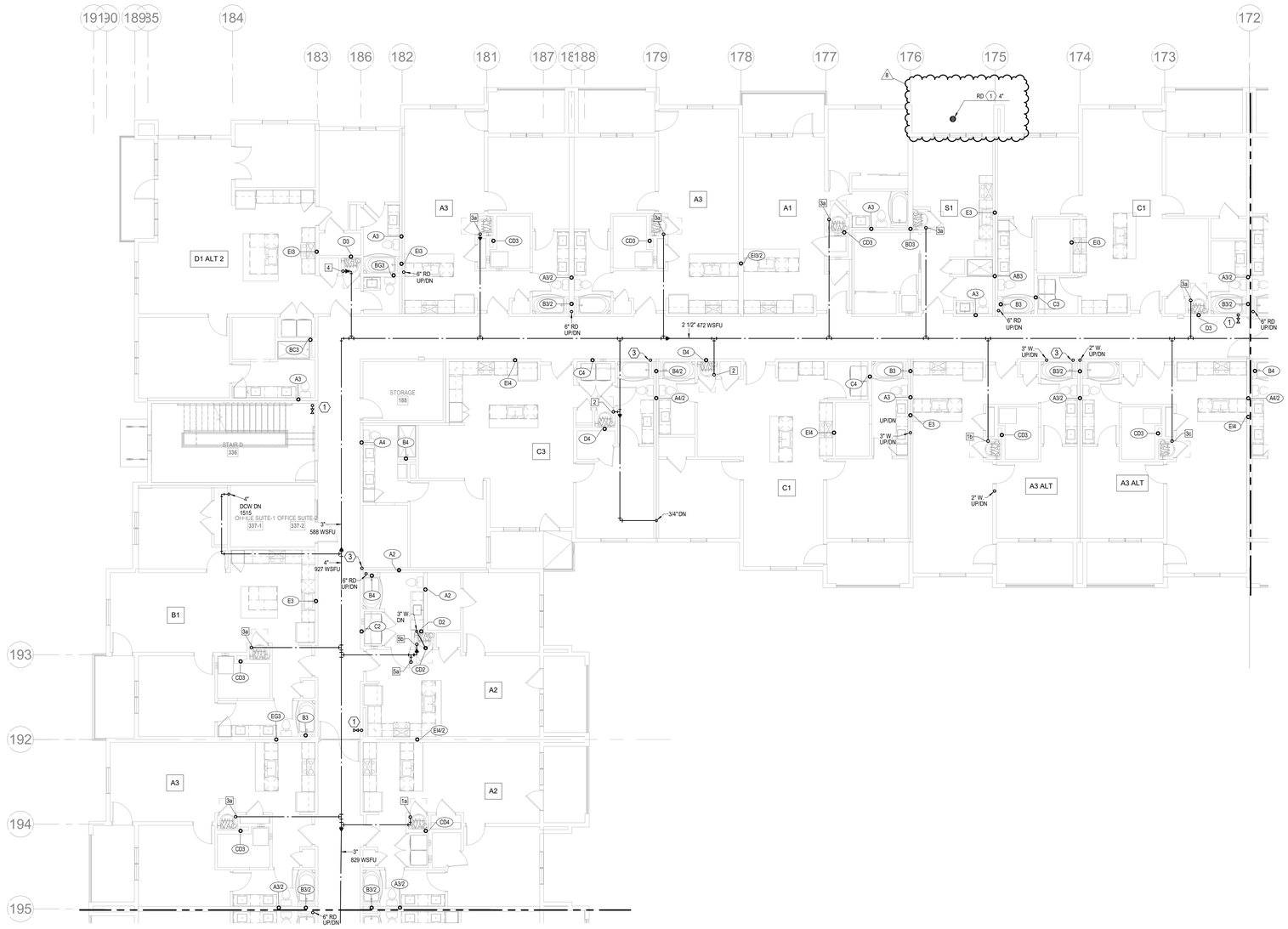
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 2ND FLOOR - 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. |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6/9/2023

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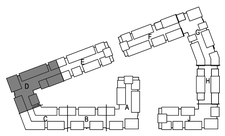

NORTH

## KEY PLAN

NO SCALE

REVISIONS

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


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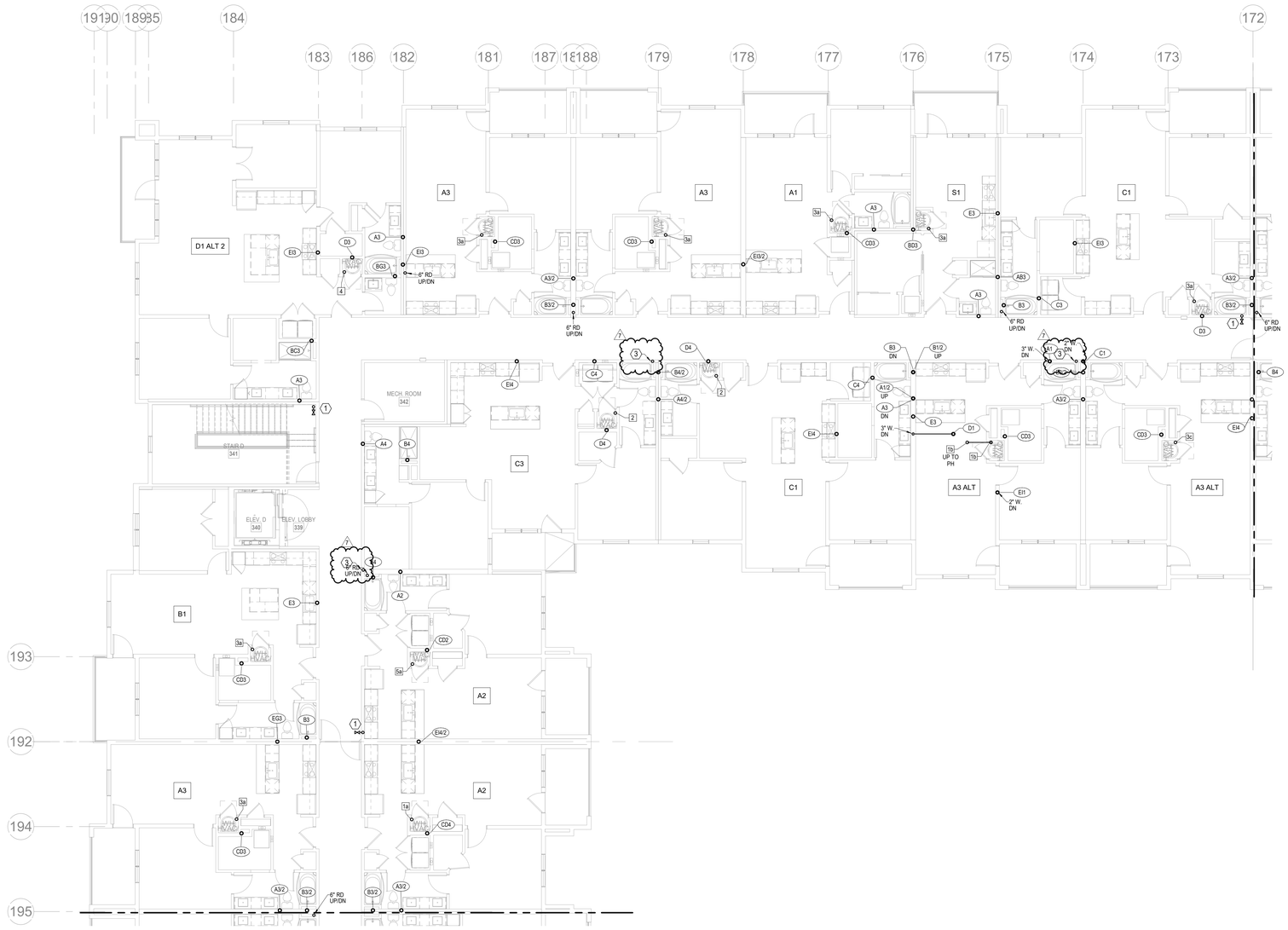
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 2ND FLOOR - PLUMBING
SHEET NO. P1.15

8/10/2023 2:20:39 PM

ARCH E1.50" x 42"




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

NORTH

NOTES:

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.
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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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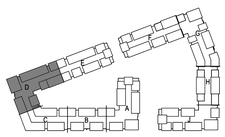

KEY PLAN
NO SCALE

NORTH

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

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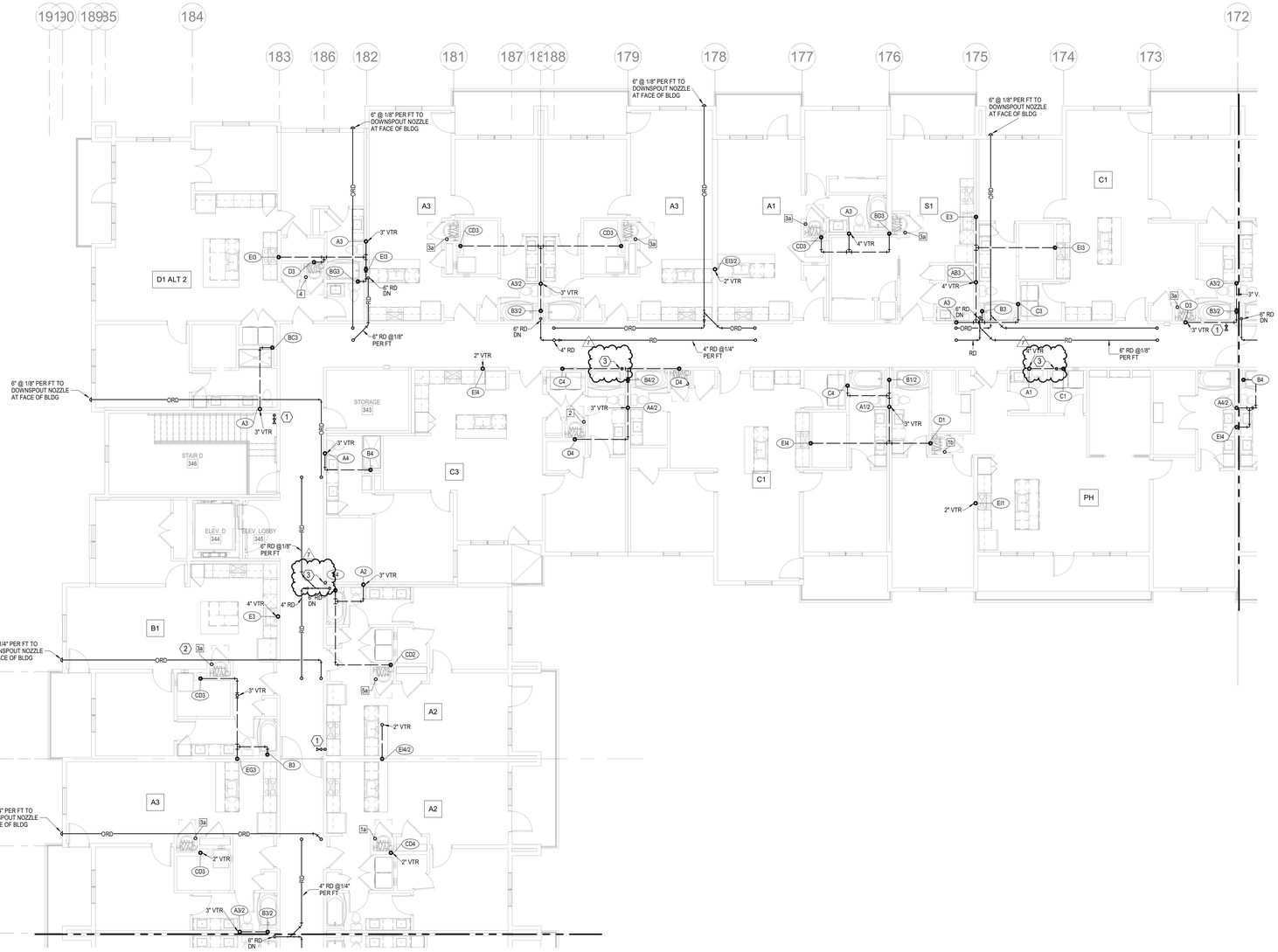
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT 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:**

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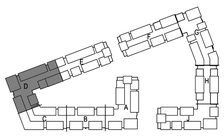
REVISIONS
2 23-0428 ADD 1:CC 2
7 23-07-13 ASI 3



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

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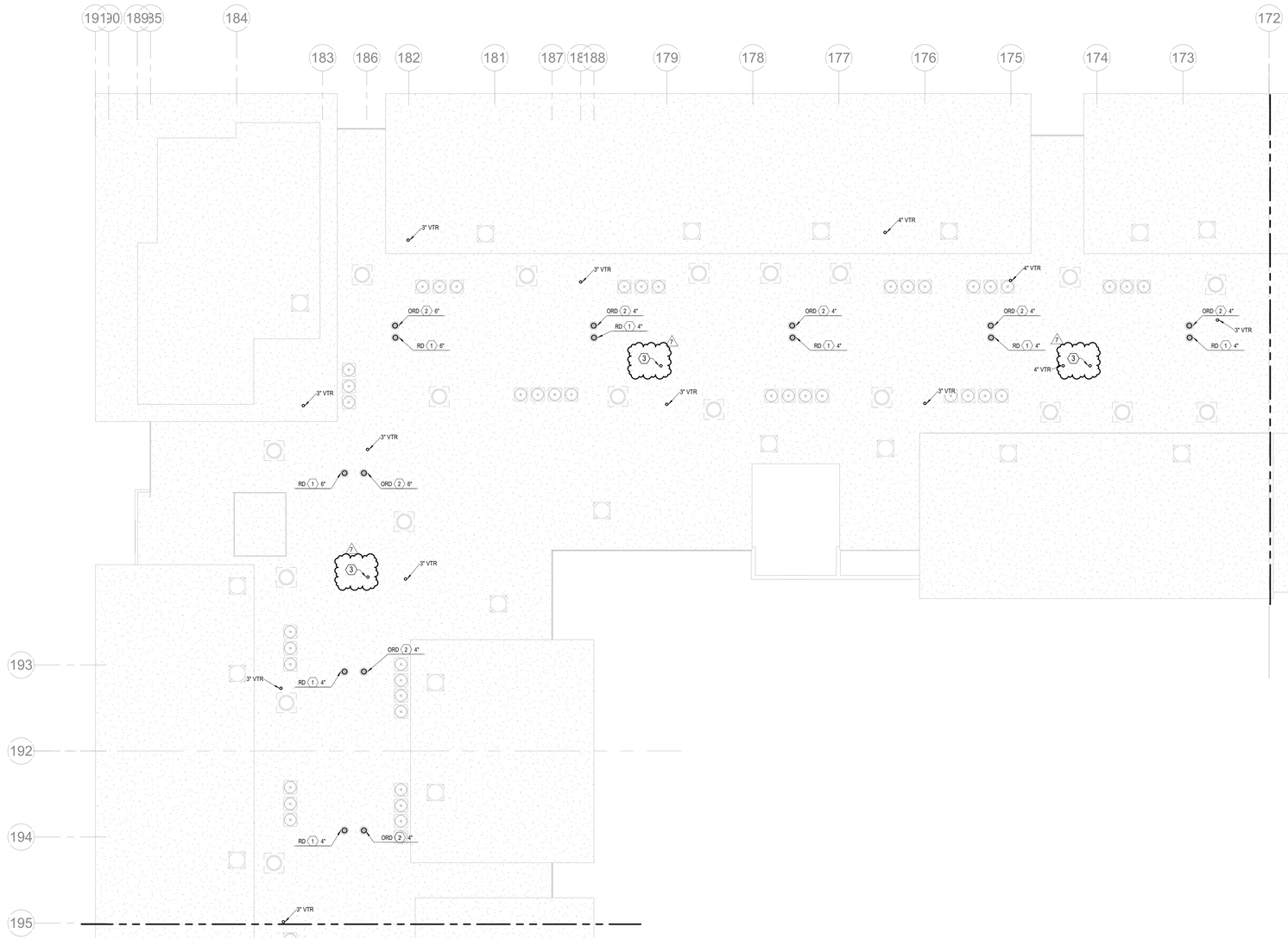


## 1 ROOF PLAN - SEGMENT D

**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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| 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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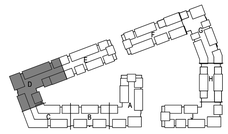


NORTH

## KEY PLAN

NO SCALE

△REVISIONS

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

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

7/13/2023 4:29:37 PM

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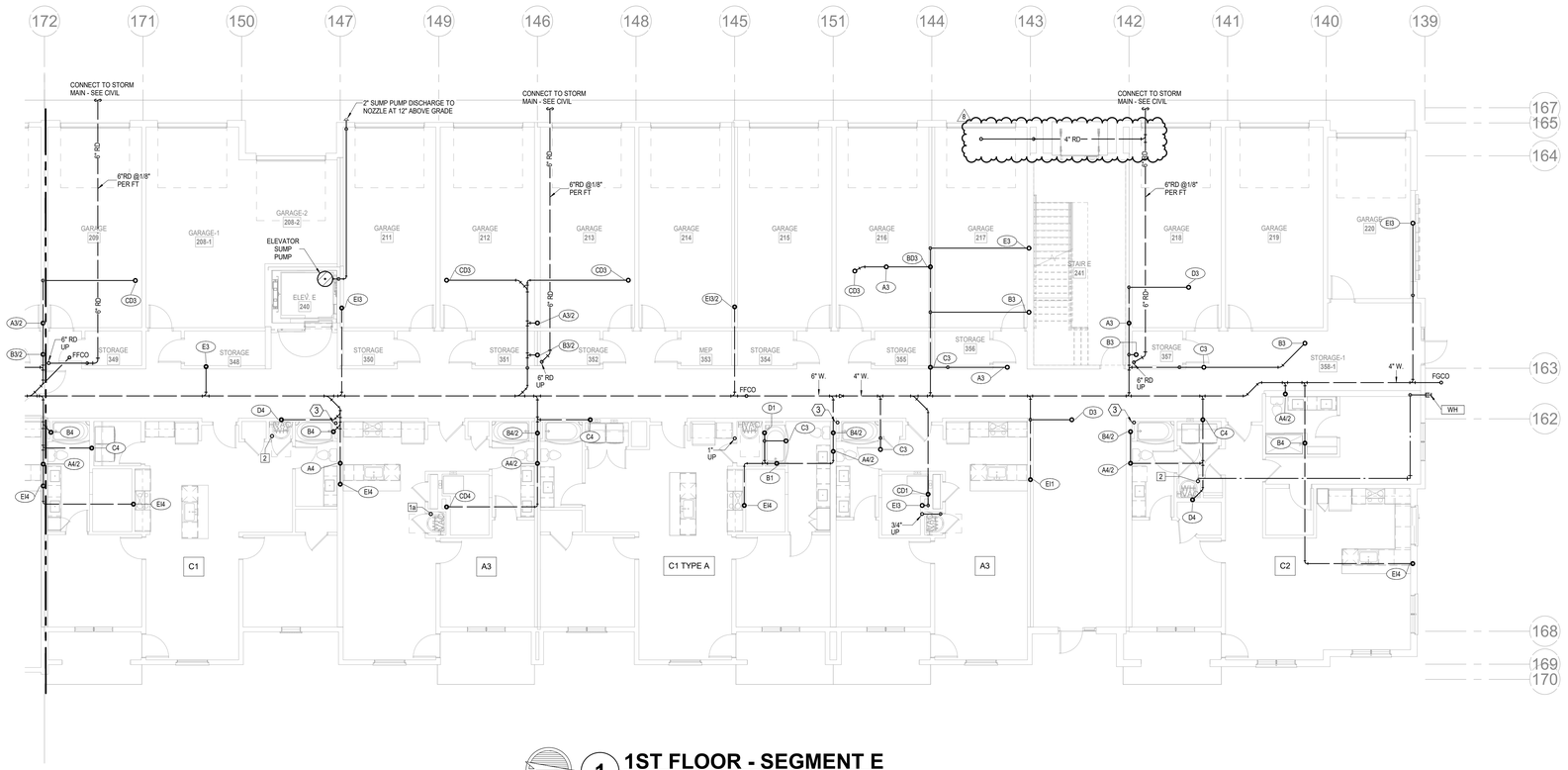


NORTH

## 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.
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.
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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:**

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

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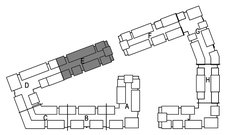

NORTH

## KEY PLAN
NO SCALE

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

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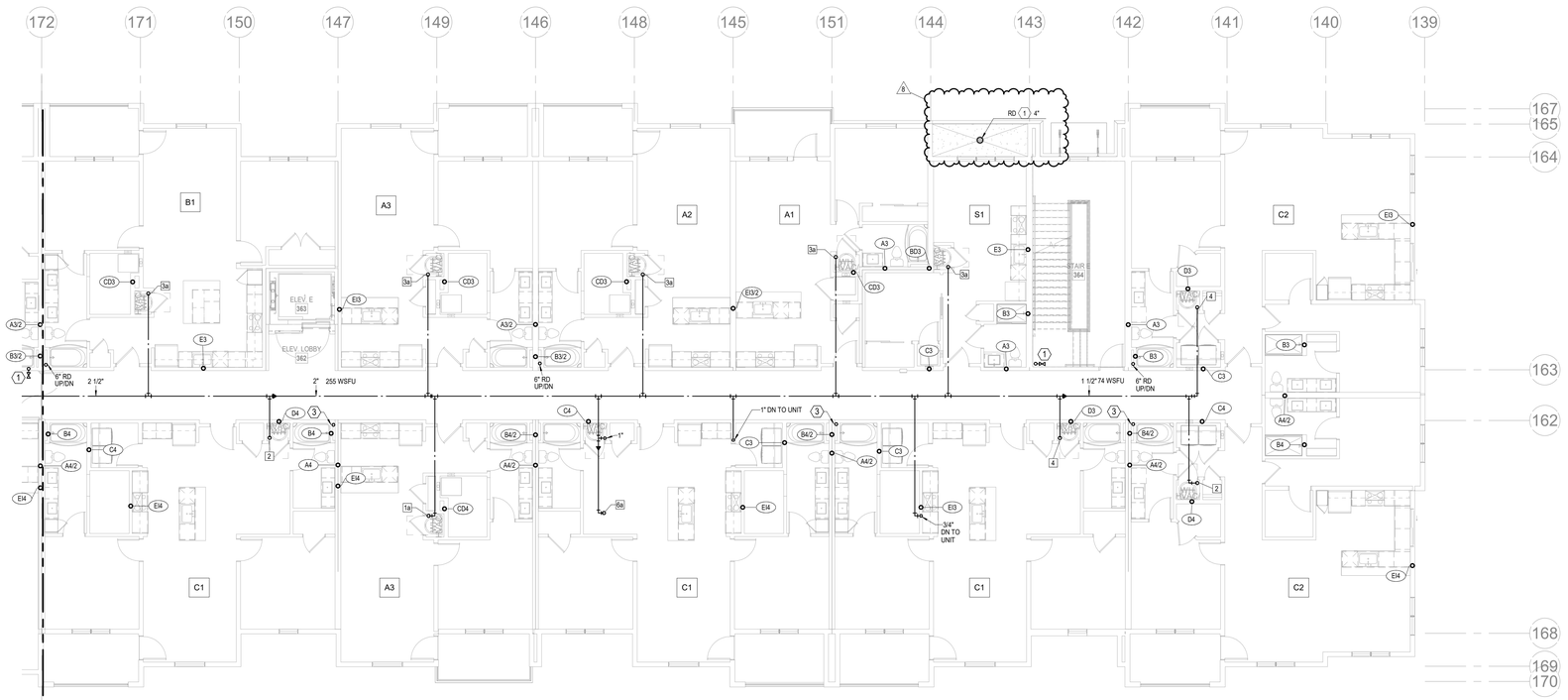
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT E - 1ST FLOOR - PLUMBING
SHEET NO. P1.19

8/10/2023 2:20:43 PM

ARCH E1.30" x 42"




## 1 2ND FLOOR - SEGMENT E

PLUMBING

1/8" = 1'-0"

NORTH

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


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RICHARD R. BEARDMORE
NUMBER A-2007018744
REGISTERED PROFESSIONAL ENGINEER

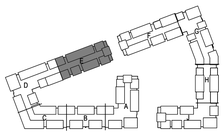
6/9/2023

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 | 23.0428 | ADD 1/CC 2 |
| 7 | 23-07-13 | ASI 3 |
| 8 | 23-08-11 | ASI 4 |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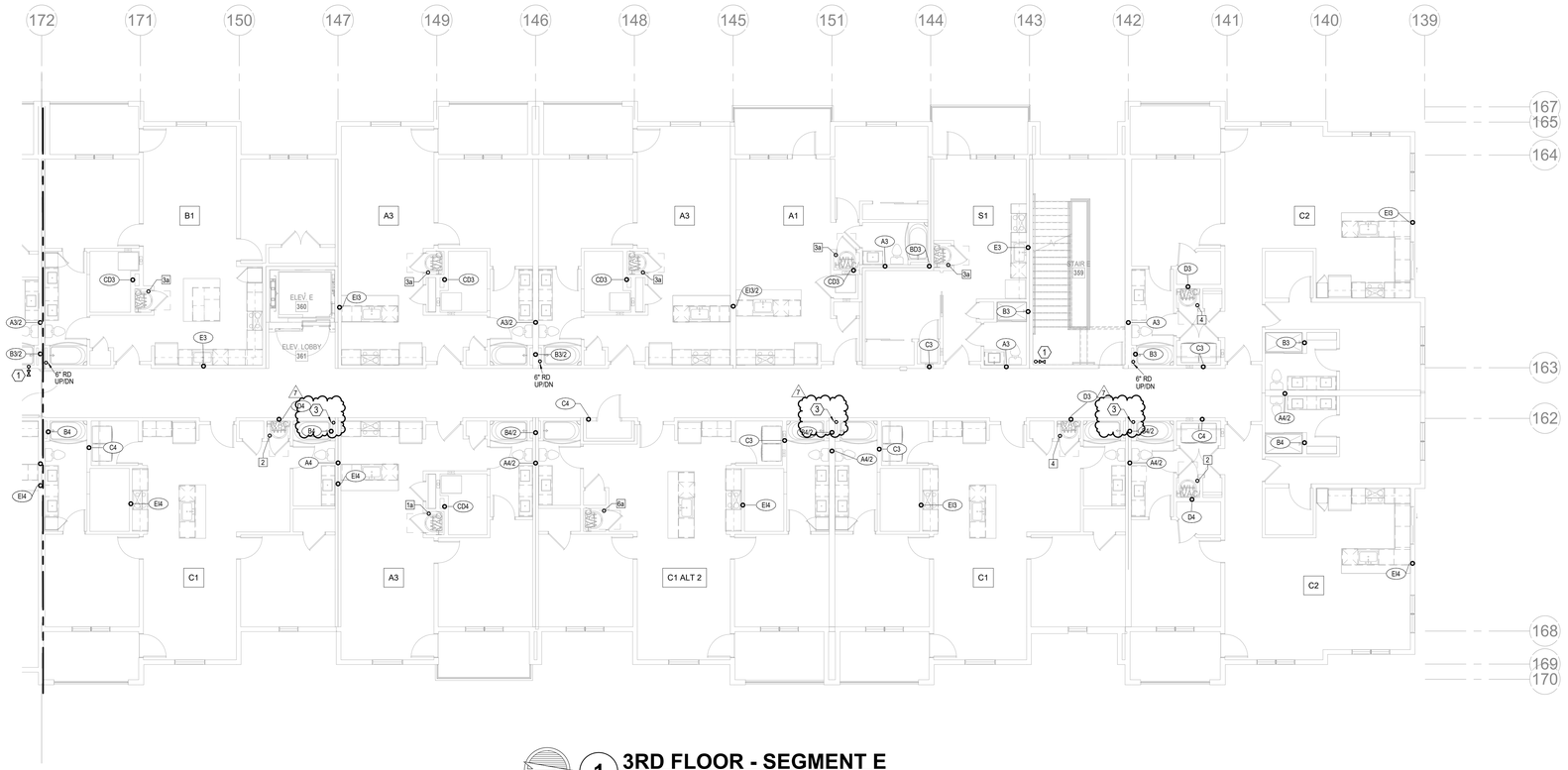
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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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NUMBER 2010019744
PROFESSIONAL ENGINEER
6/9/2023

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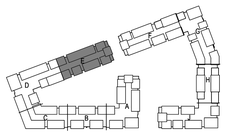

NORTH

**KEY PLAN**
NO SCALE

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


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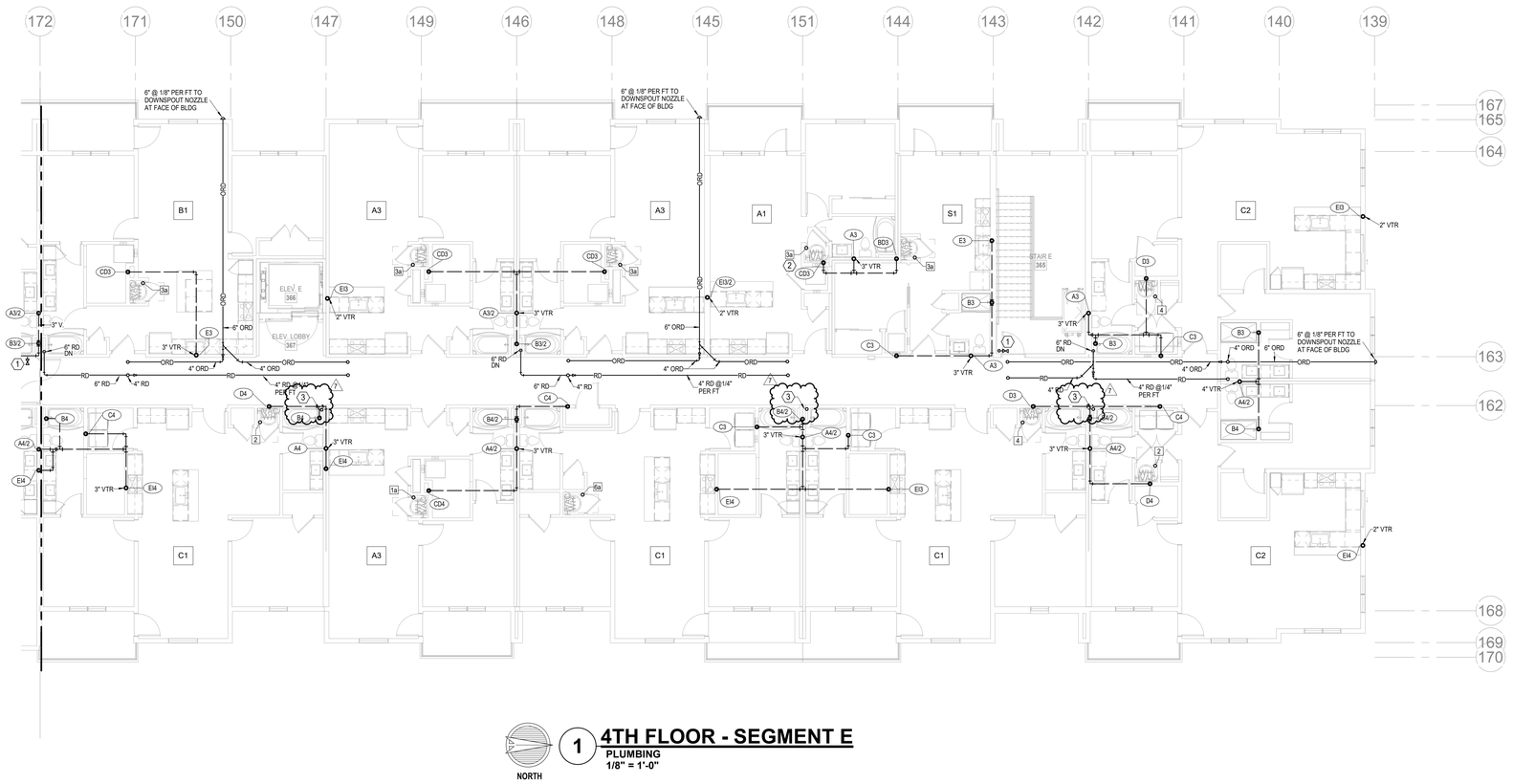
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT E - 3RD FLOOR - PLUMBING
SHEET NO. P1.21

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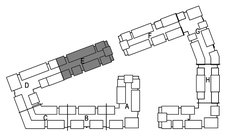
REVISIONS
2 23.0428 ADD 1/CC 2
7 23-07-13 ASI 3



NORTH

**KEY PLAN**
NO SCALE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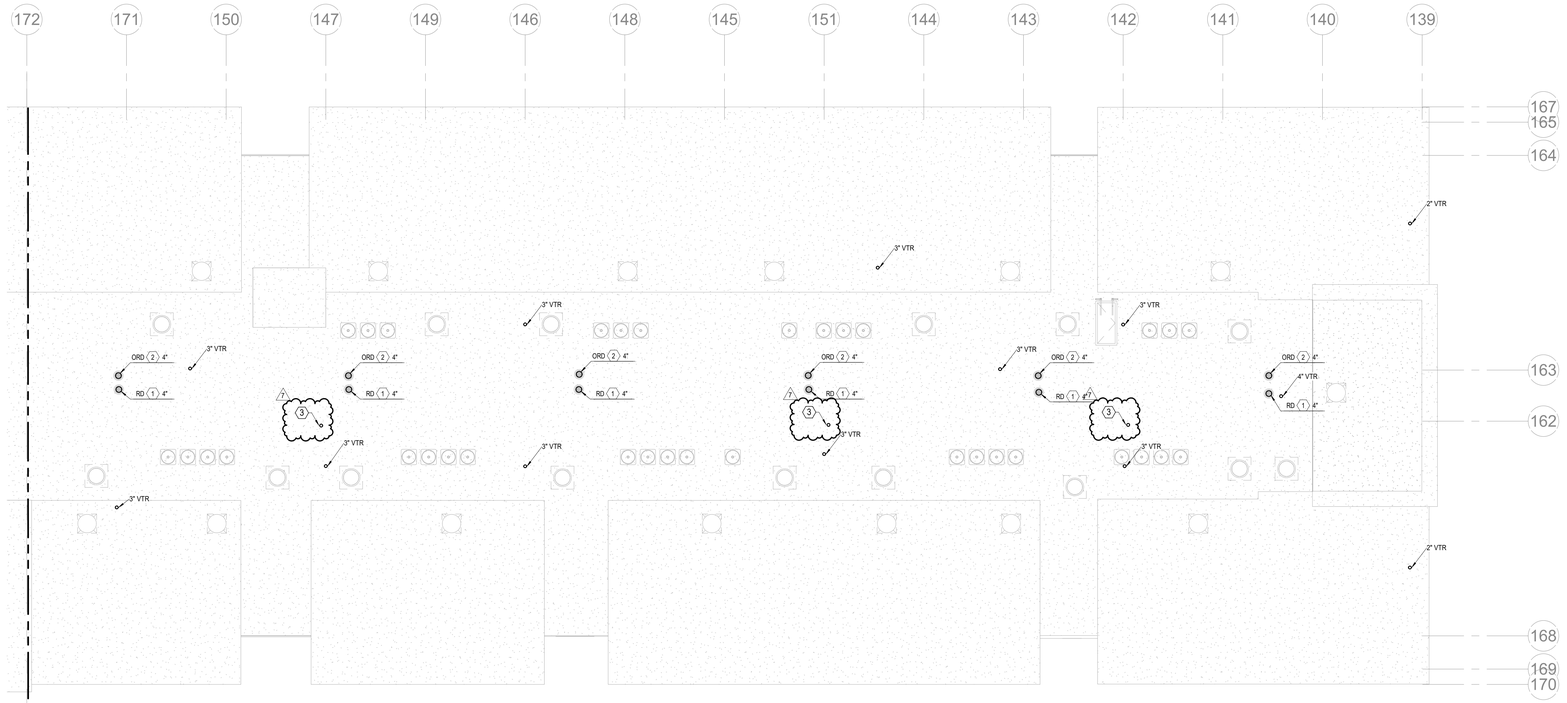
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


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"

**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.


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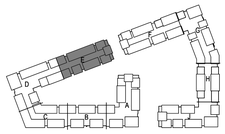

NORTH

## KEY PLAN
NO SCALE

△ REVISIONS

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


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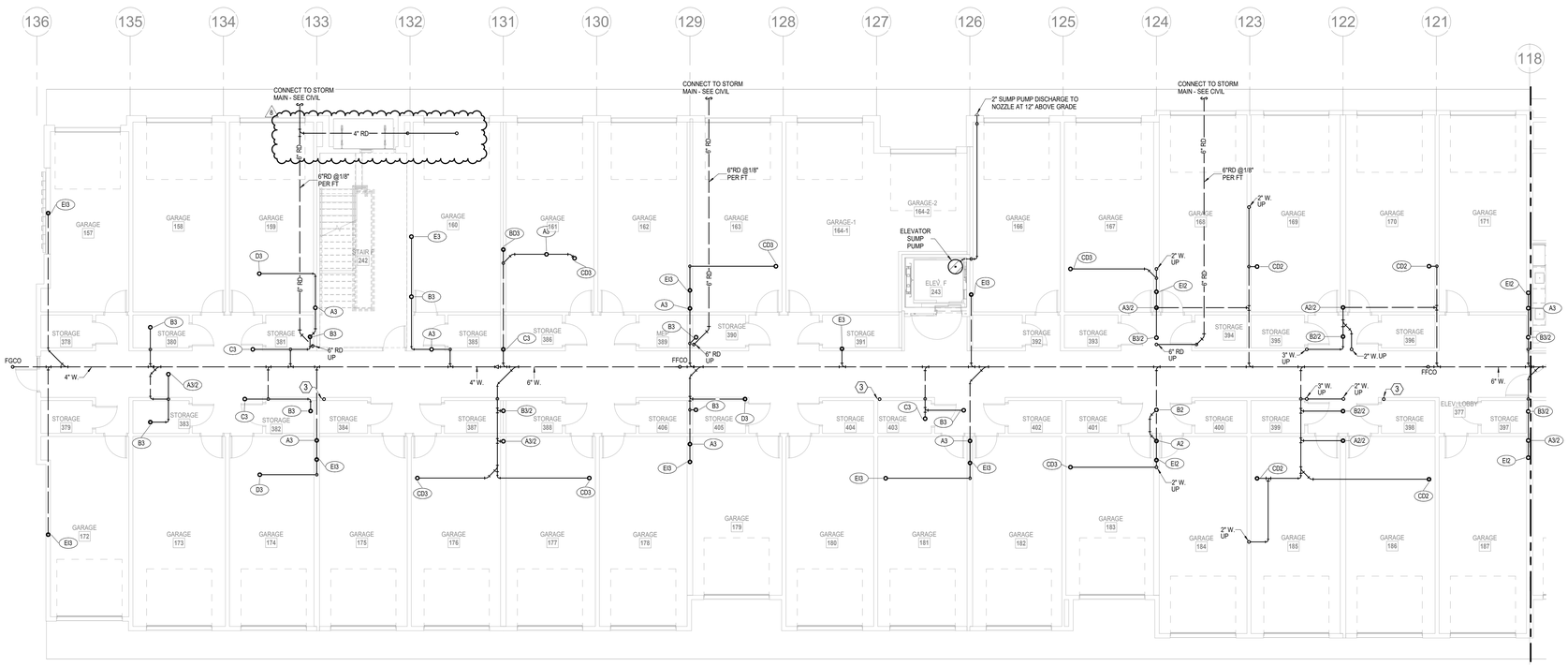
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT E - ROOF PLAN - PLUMBING
SHEET NO. P1.23

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.
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.
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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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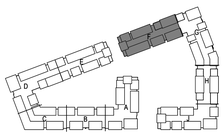

NORTH

## KEY PLAN

NO SCALE

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


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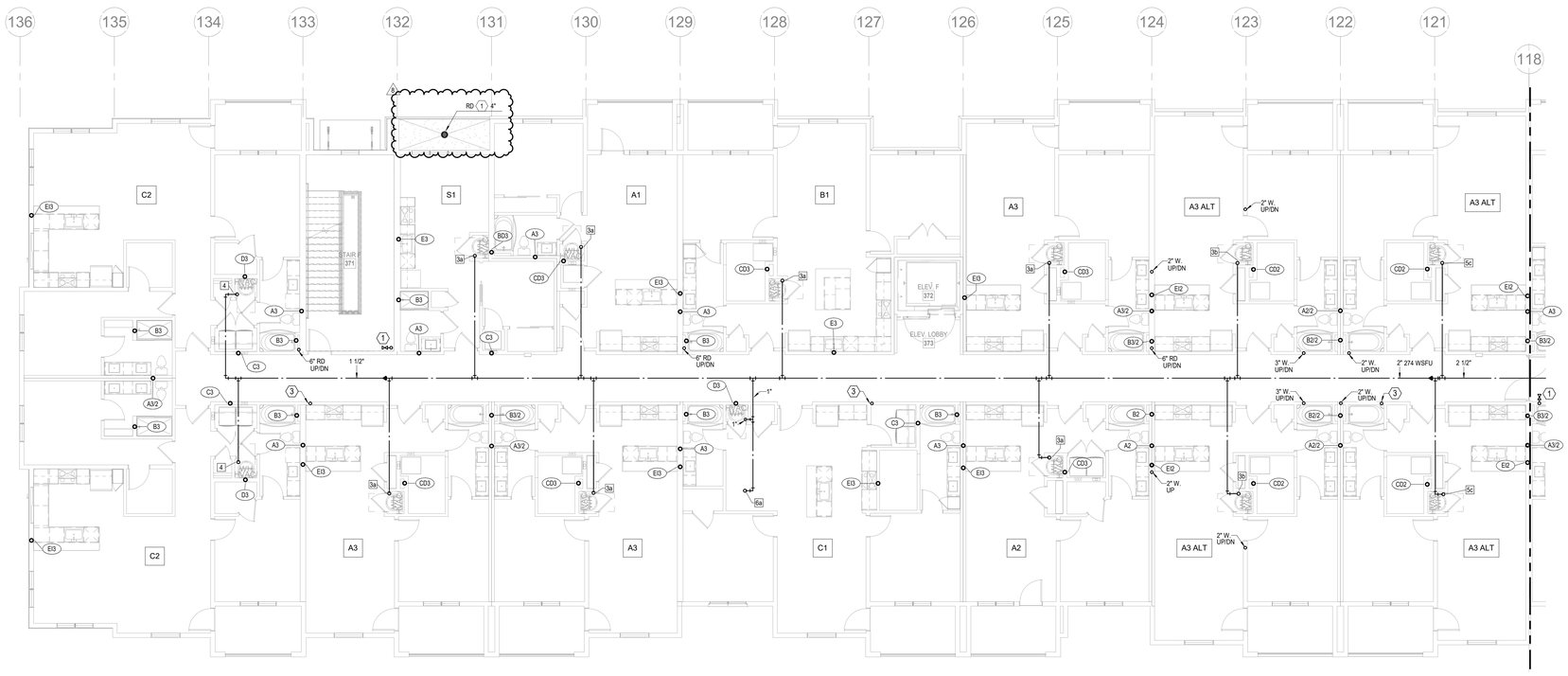
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT F - 1ST FLOOR - PLUMBING
SHEET NO. P1.24

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

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△ REVISIONS

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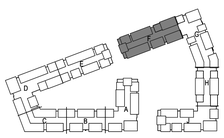
| 7 | 23-07-13 | ASI 3 |
| 8 | 23-08-11 | ASI 4 |



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**KEY PLAN**
NO SCALE

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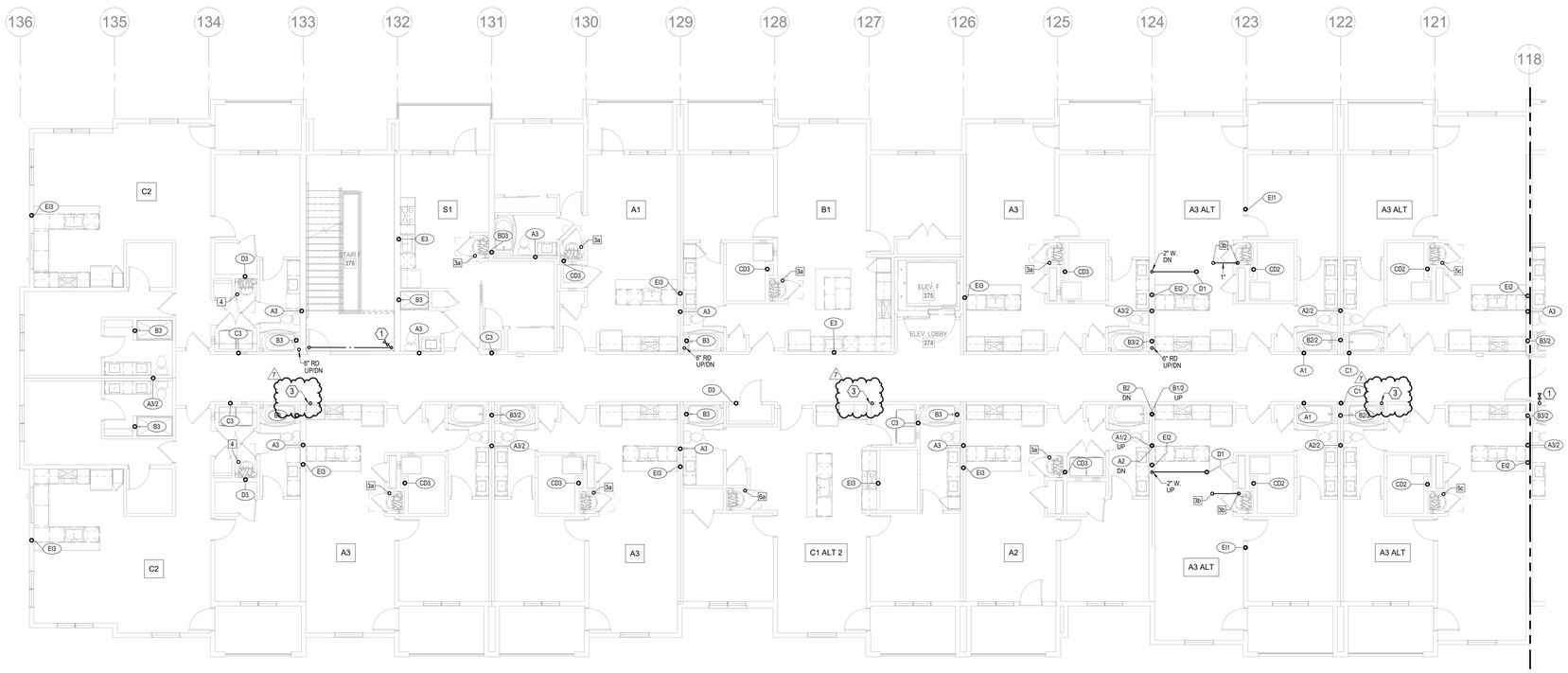
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT F - 2ND FLOOR - PLUMBING
SHEET NO. P1.25

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. |
| 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. |
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| 5. CONNECT ALL APPLIANCES OR EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS. |
| 6. ALL PLUMBING VENTS SHALL BE 10 FEET FROM OPENINGS OR INTAKES. |
| 7. THERE SHALL BE NO PVC WITHIN RETURN AIR PLENUMS. |
| 8. ALL FIXTURES SHALL HAVE 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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RICHARD R. BEARDMORE
NUMBER A-2007018744
PROFESSIONAL ENGINEER
6/9/2023

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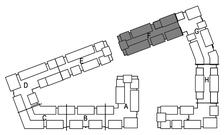
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

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



## KEY PLAN
NO SCALE

NORTH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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

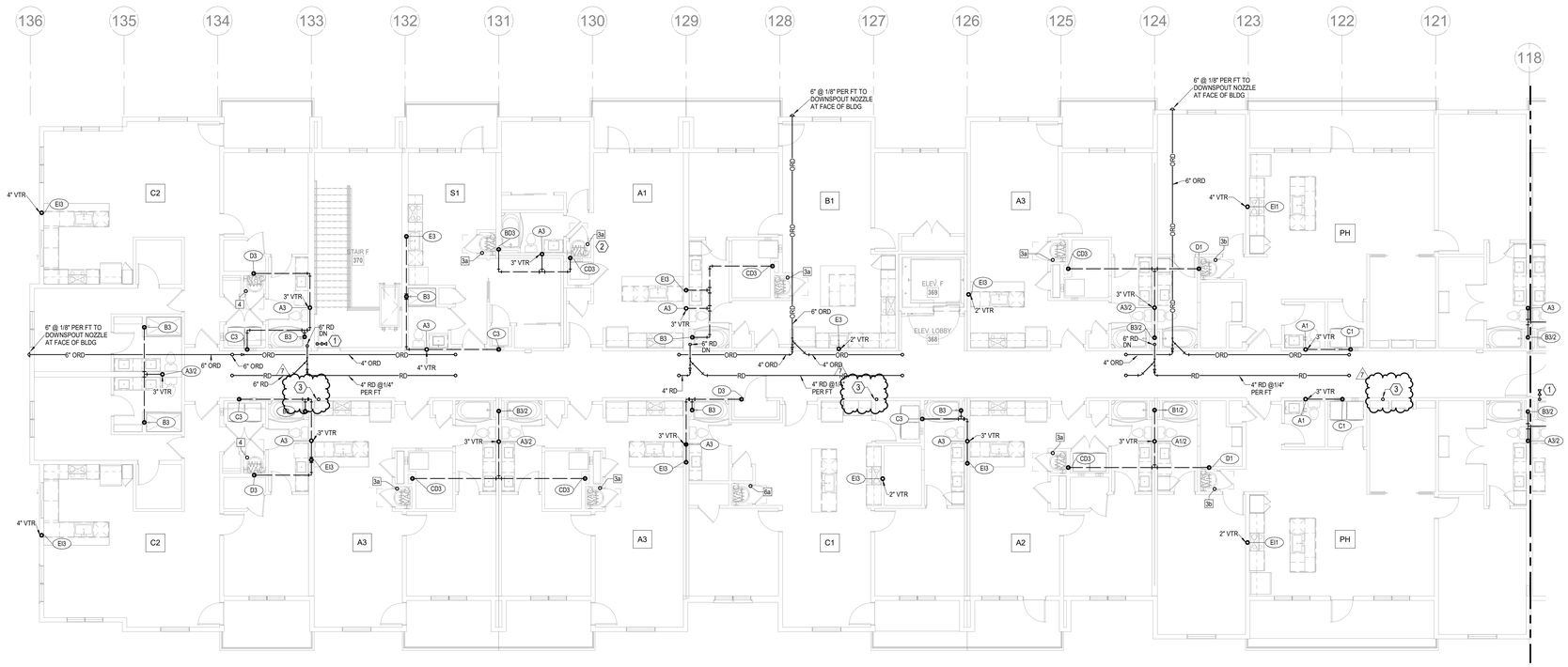

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT F - 3RD FLOOR - PLUMBING
SHEET NO. P1.26

7/13/2023 4:29:51 PM

ARCH E1.30" x 42"

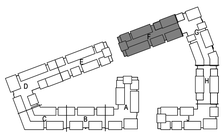
| NOTES: |
|---|
| 1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING. |
| 2. ALL DRAIN, WASTE AND VENT PIPING IS 2" UNLESS NOTED OTHERWISE. ALL 2" AND 3" WASTE SLOPE AT ¼" PER FT. PIPING 4" AND GREATER MAY BE AT 1/8" PER FT UNLESS NOTED OTHERWISE. |
| 3. ANY 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. |




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

NORTH



NORTH

**KEY PLAN**
NO SCALE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NUMBER A-2007018766
PROFESSIONAL ENGINEER
6/9/2023

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


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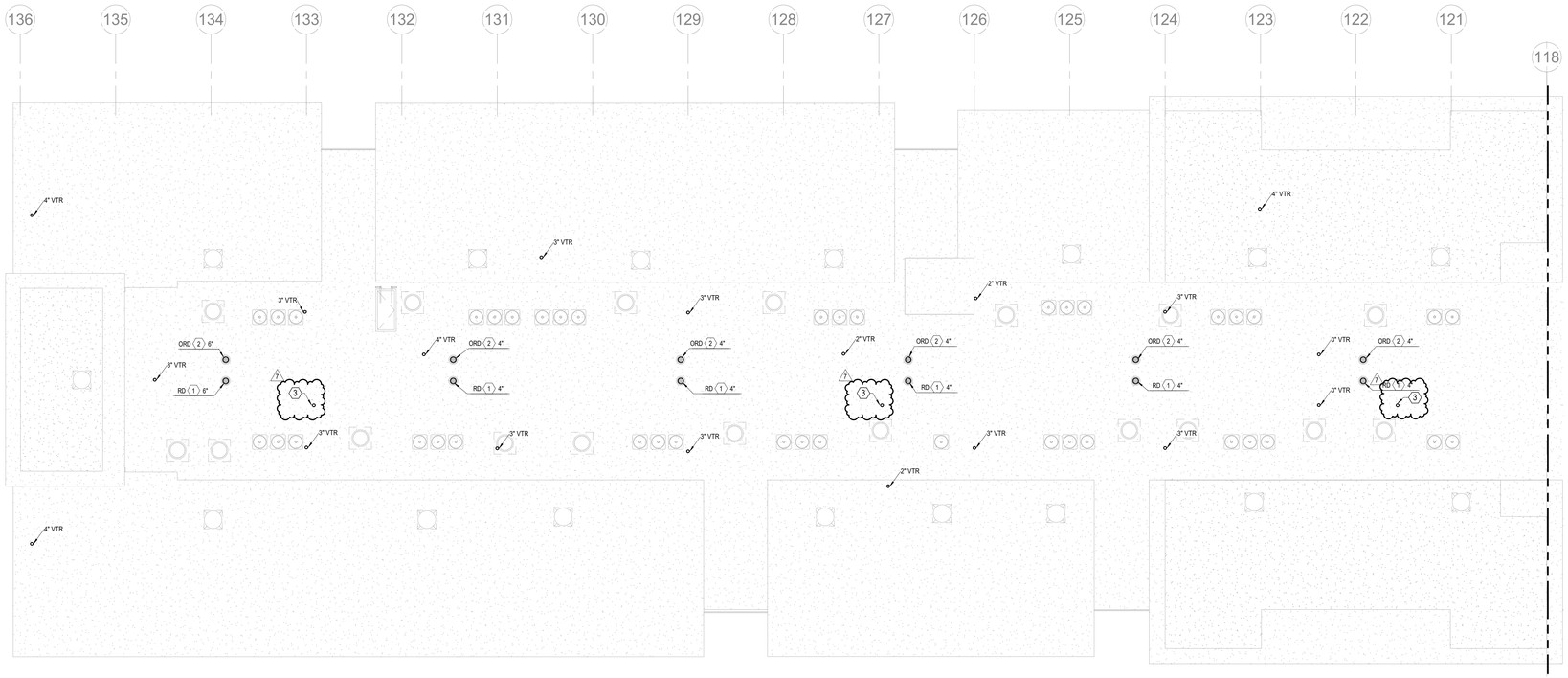
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT 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.
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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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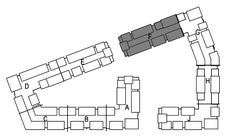
△ REVISIONS
7 23-07-13 ASI 3




NORTH

## KEY PLAN
NO SCALE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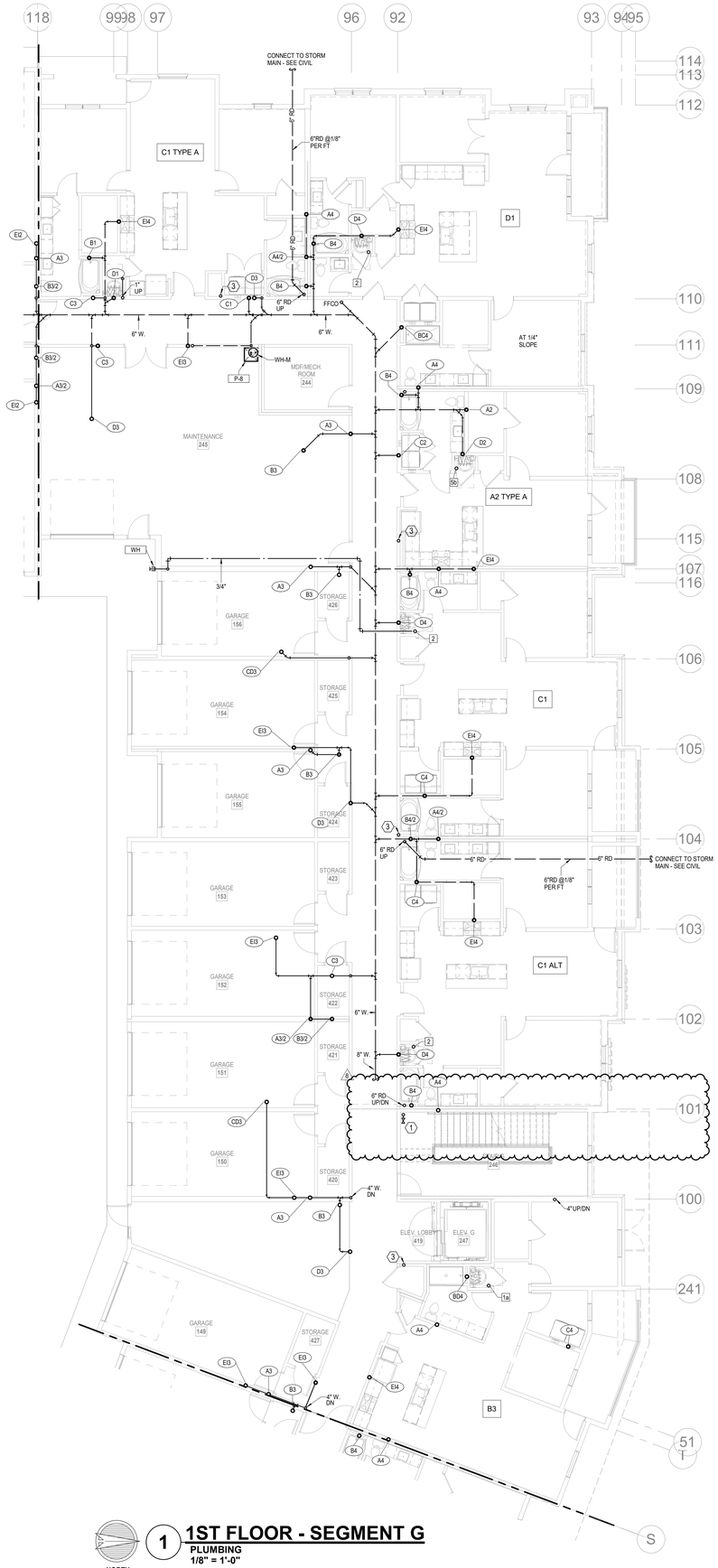
Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

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

## 2 BASEMENT - SEGMENT G

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

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NUMBER 2010018010
PROFESSIONAL ENGINEER
6/9/2023

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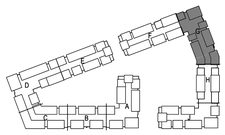
- 03.15.2023 - PERMIT SUBMITTAL



**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 |

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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

8/10/2023 2:20:58 PM

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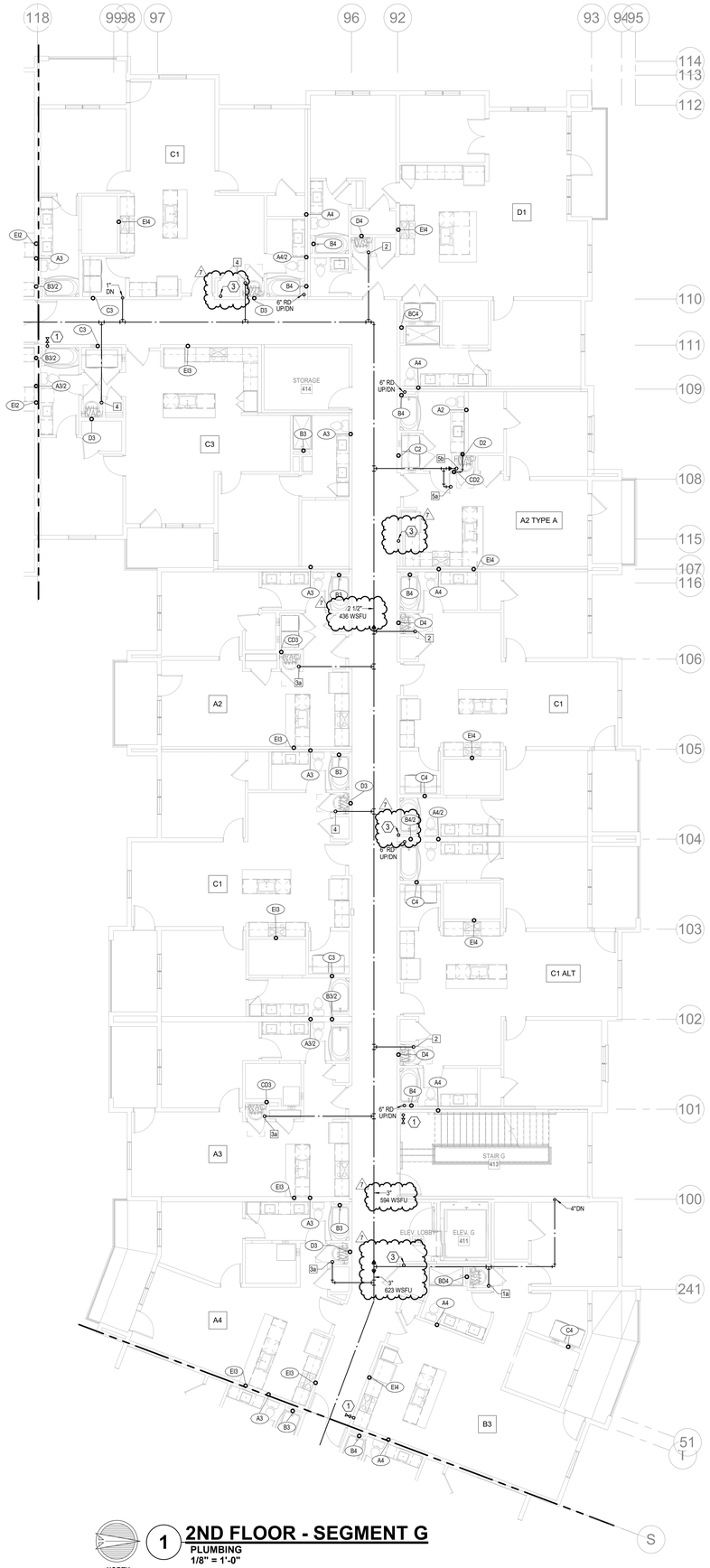
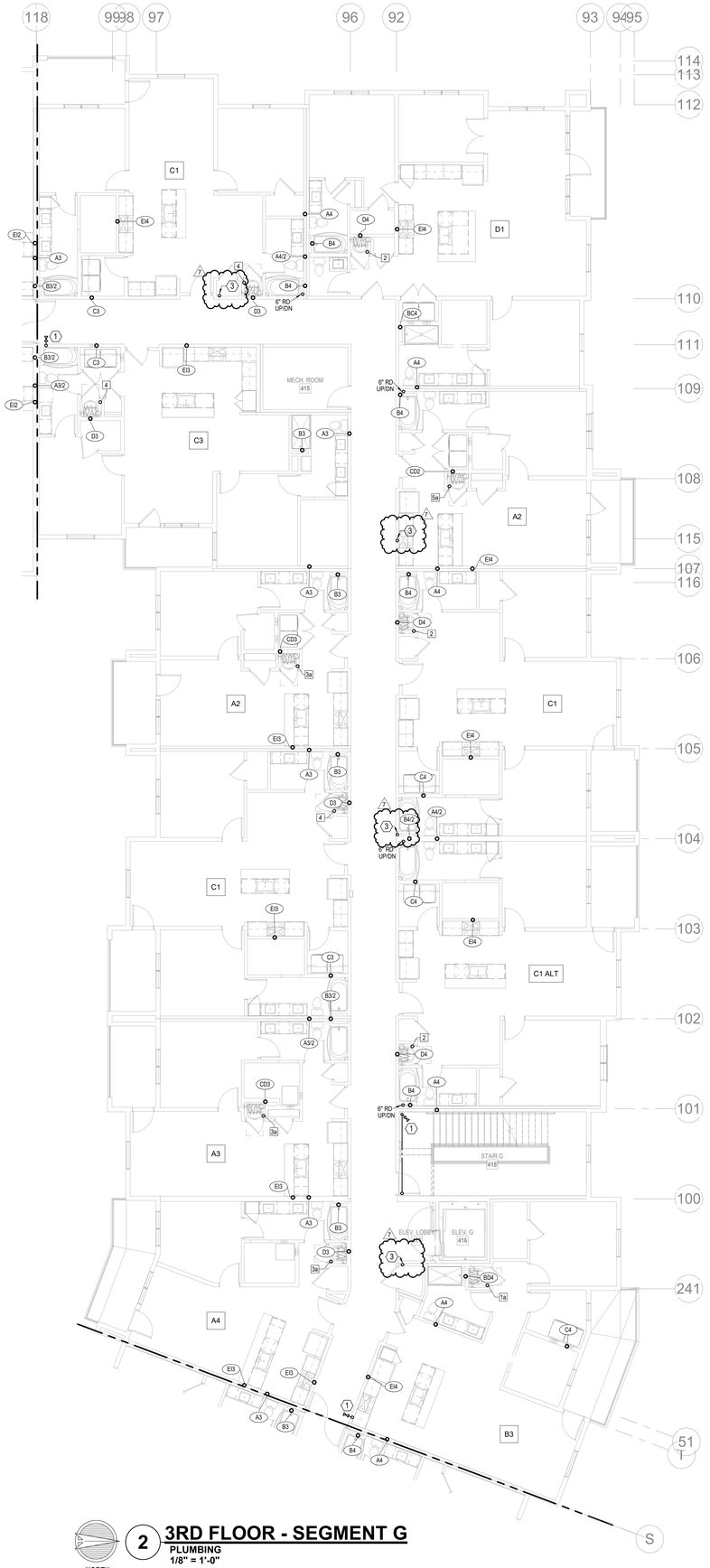



1 **2ND FLOOR - SEGMENT G**
PLUMBING
1/8" = 1'-0"
NORTH




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.
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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.
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LEGEND:

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2. 3/4" CW UP TO ROOF HYDRANT.
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NUMBER A-2007018776
PROFESSIONAL ENGINEER
6/9/2023

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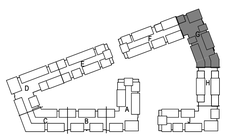

KEY PLAN
NO SCALE
NORTH

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


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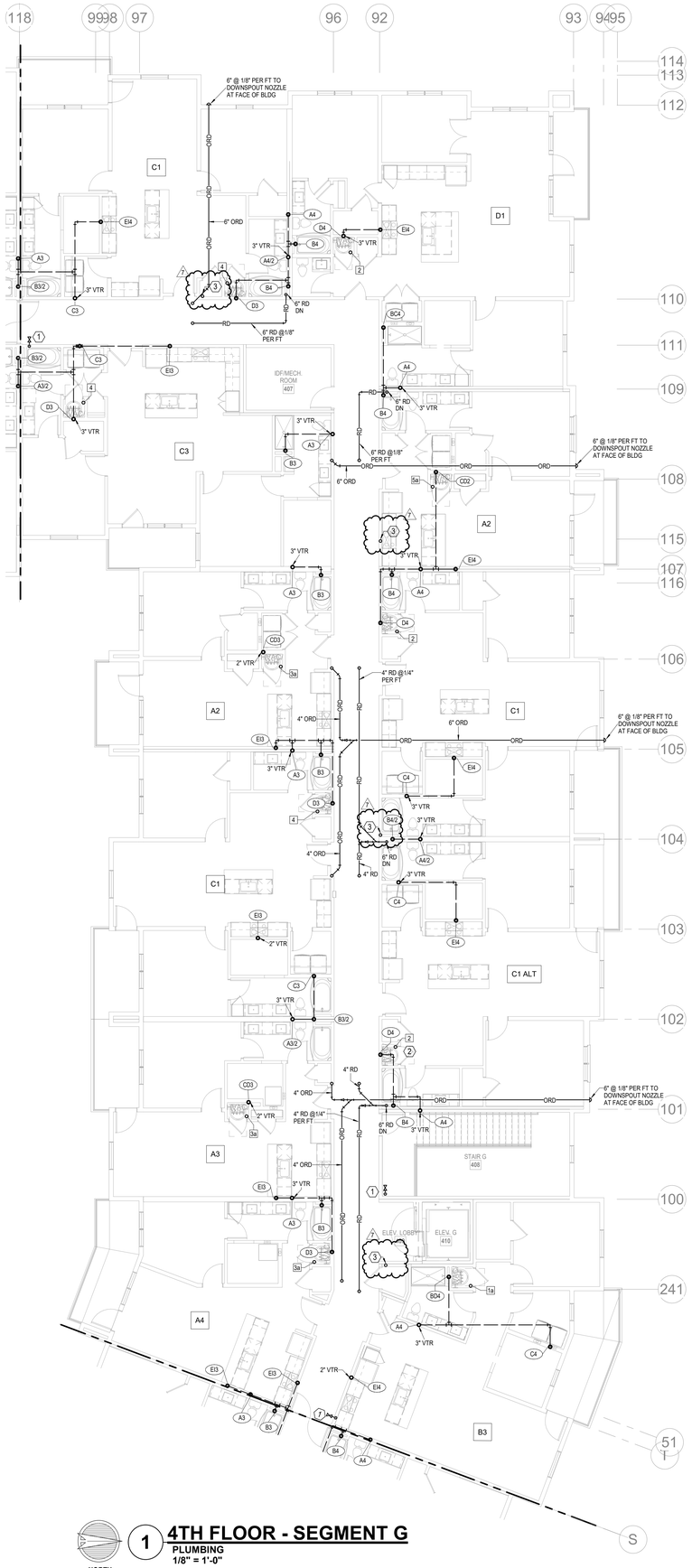
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT G - 2ND & 3RD FLOOR - PLUMBING
SHEET NO. P1.30

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: |
|---|
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| (1) CLASS 1MANUAL STANDPIPE WITH VALVE. |
| (2) 3/4" CW UP TO ROOF HYDRANT. |
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REGISTERED
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

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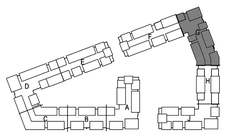

**KEY PLAN**
NO SCALE
NORTH

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

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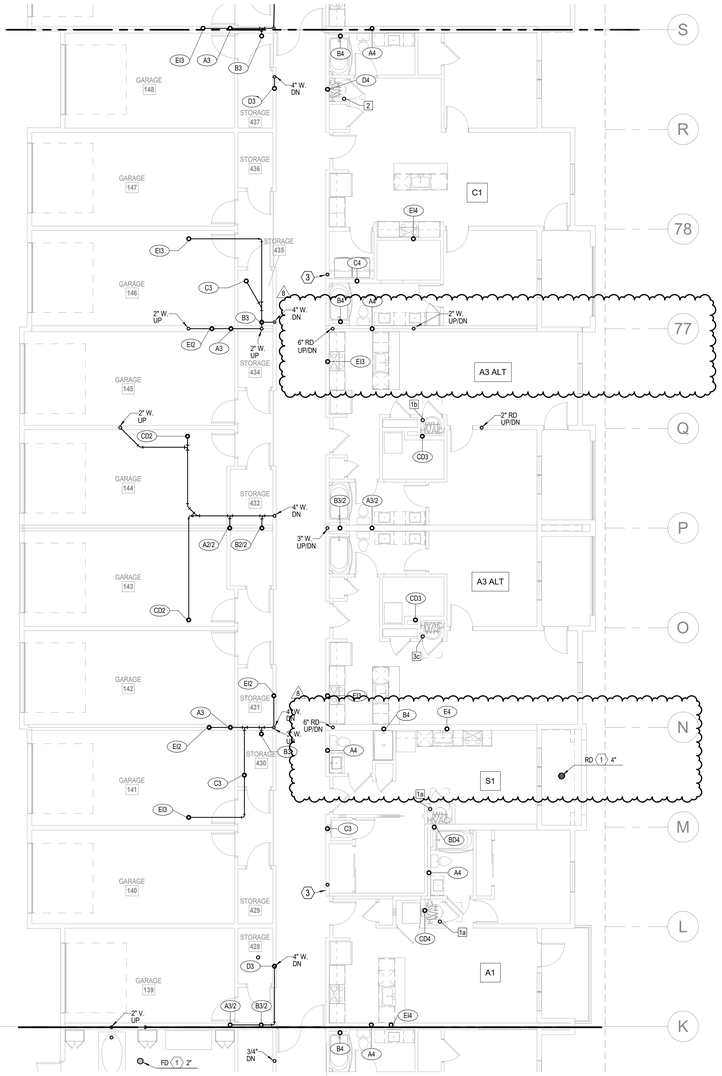
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT G - 4TH FLOOR & ROOF PLAN - PLUMBING
SHEET NO. P1.31

7/13/2023 4:30:02 PM

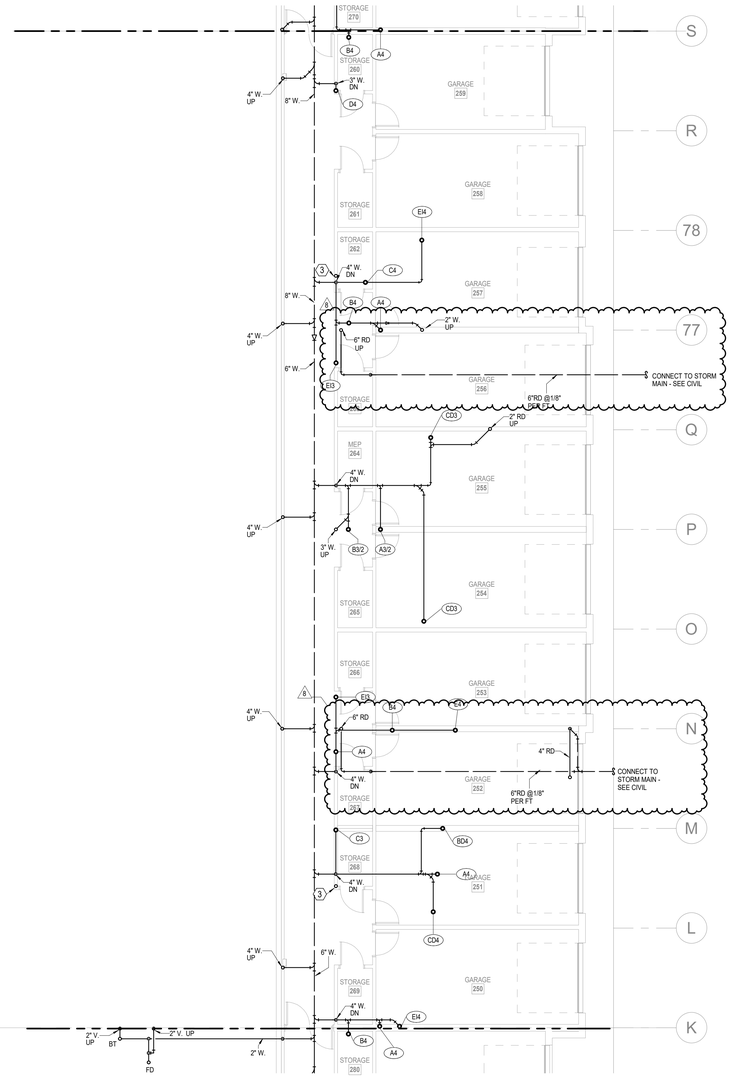
ARCH E1 30" x 42"




6

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

NORTH




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

NORTH

**NOTES:**

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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.
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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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER A-2007018
PROFESSIONAL ENGINEER
6/9/2023

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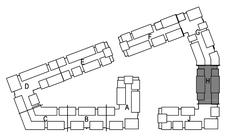
# TRILOGY
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL




**KEY PLAN**
NO SCALE

△ 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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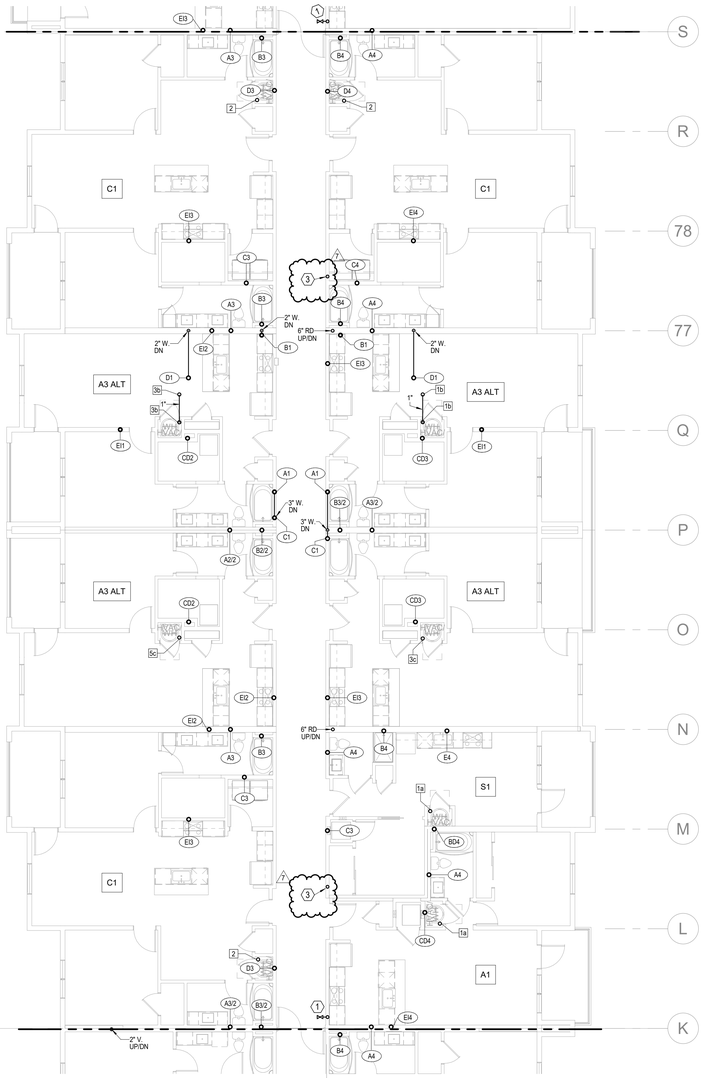
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 103
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

8/10/2023 2:21:00 PM

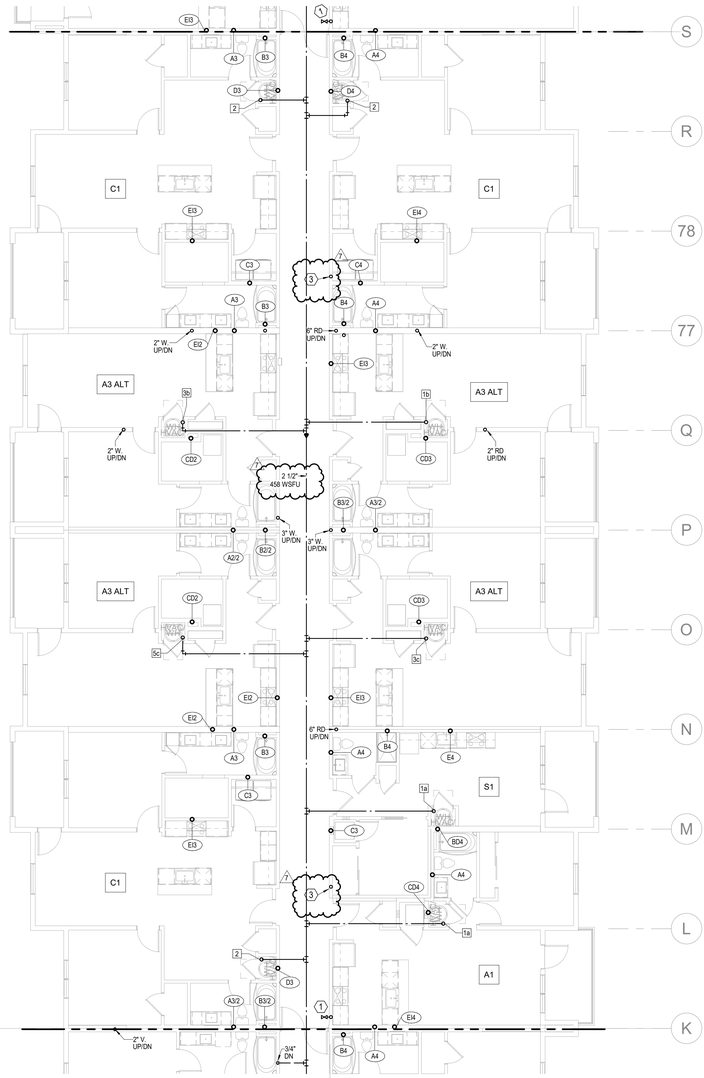
ARCH E1 30" x 42"




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

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# TRILOGY

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

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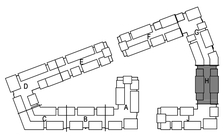

NORTH

**KEY PLAN**
NO SCALE

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

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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 H - 2ND & 3RD FLOOR - PLUMBING
SHEET NO.
P1.33

7/13/2023 4:30:07 PM

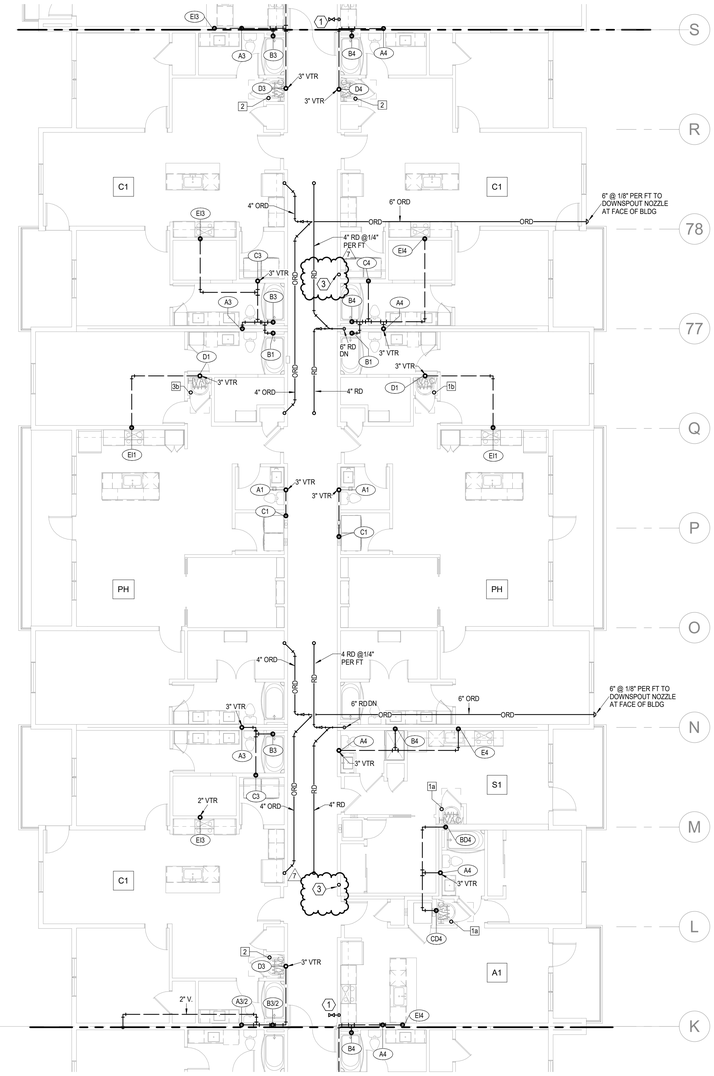
ARCH E1.30" x 42"

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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ARCHITECTURE
LANDSCAPE ARCHITECTURE
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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

6/9/2023

A NEW RESIDENTIAL COMMUNITY AT:

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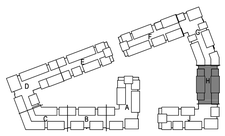
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

## KEY PLAN

NO SCALE

△REVISIONS

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

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8625 College Boulevard, Suite 103
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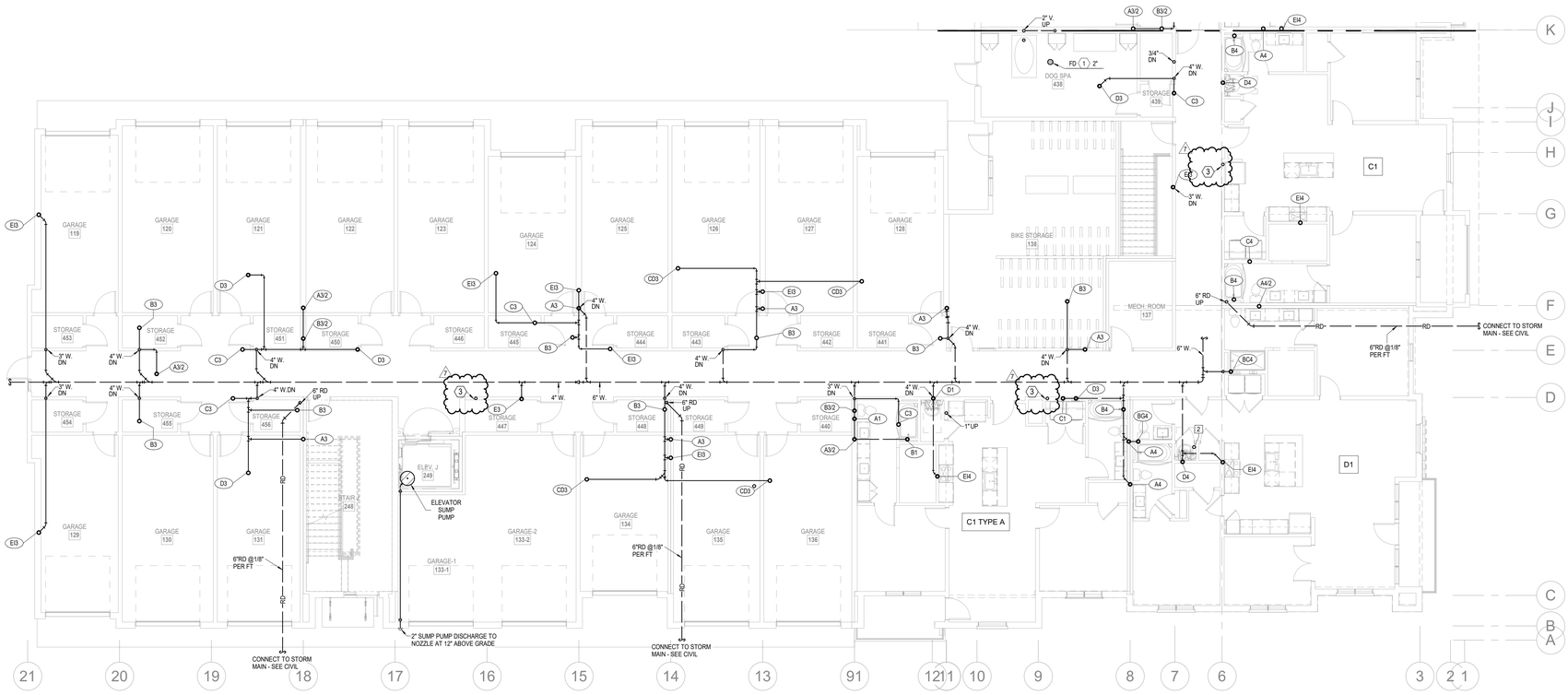
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

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

SHEET NO.
P1.34

7/13/2023 4:30:09 PM

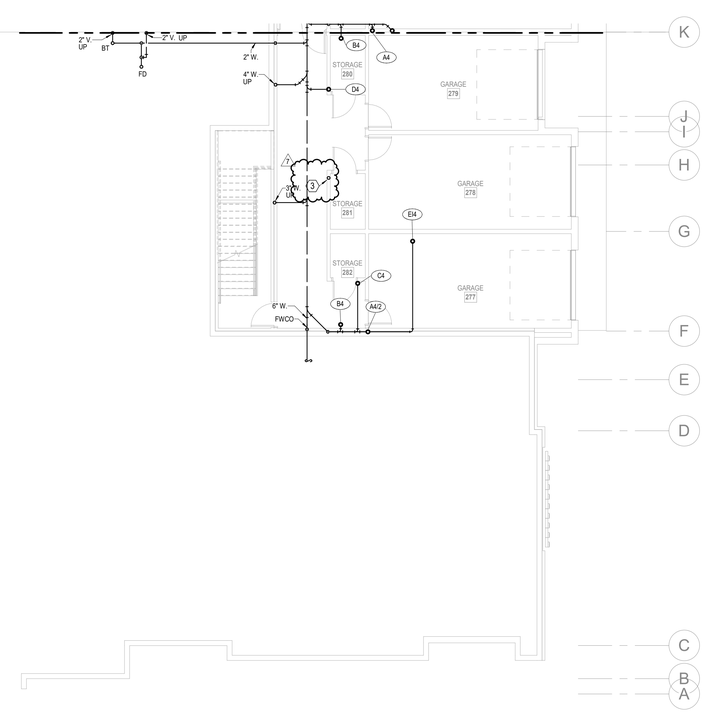



NORTH

## 1 1ST FLOOR - SEGMENT J

**PLUMBING**

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




NORTH

## 2 BASEMENT - SEGMENT J

**PLUMBING**

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

### 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.
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### LEGEND:

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


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6/9/2023

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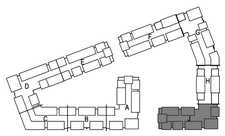
- 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
1 23-07-13 ASI 3



NORTH

## KEY PLAN

NO SCALE


LS&A
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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 SEGMENT J - BASEMENT & 1ST FLOOR - PLUMBING
SHEET NO. P1.35

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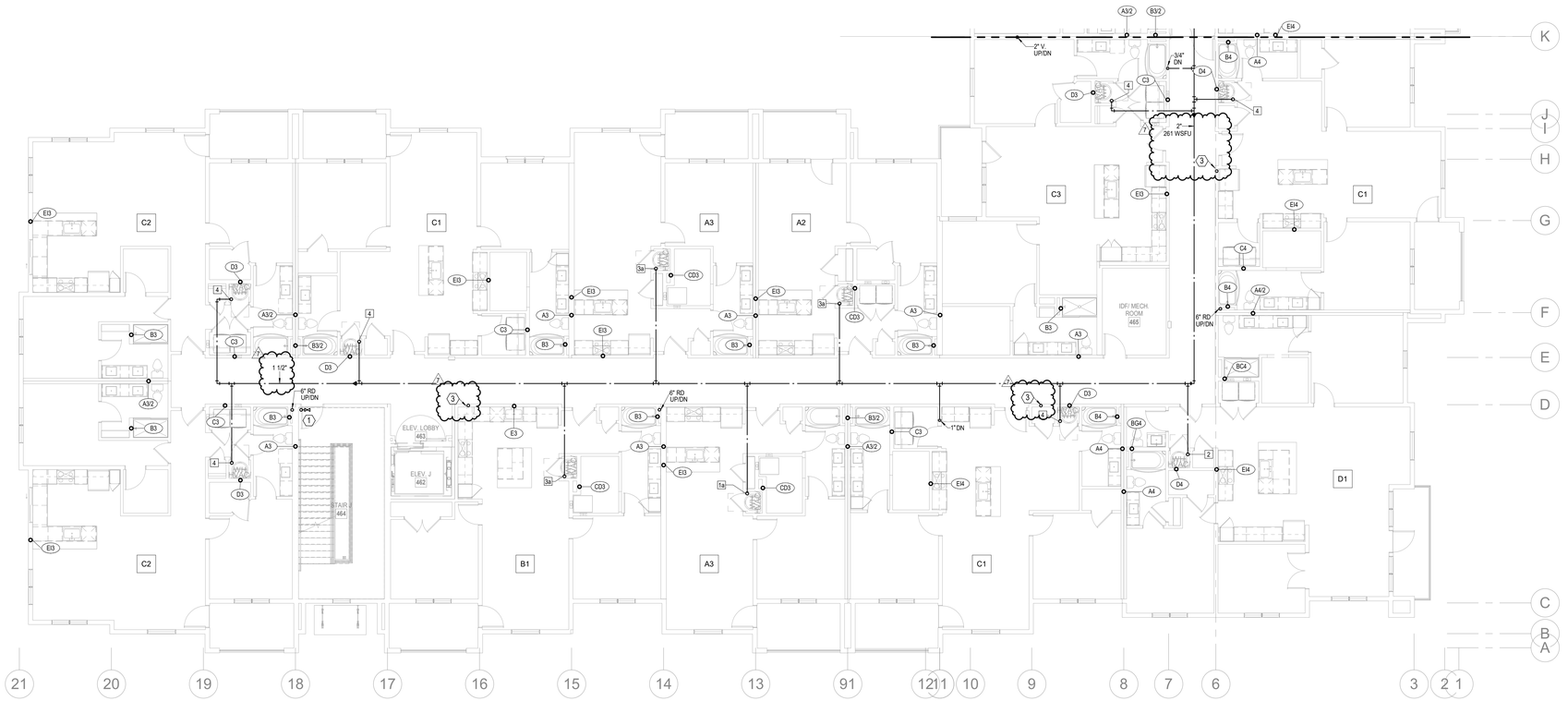
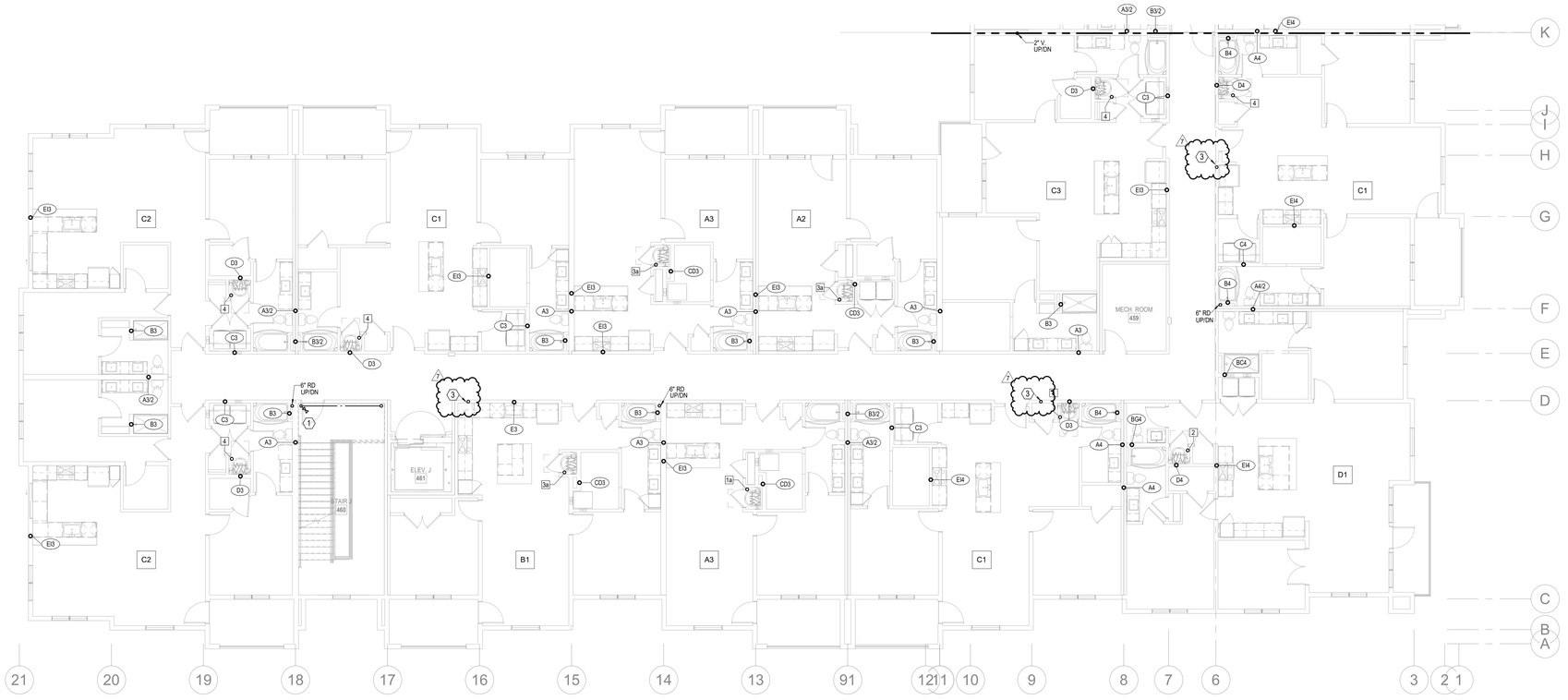
ARCH E1 30" x 42"




NORTH

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




NORTH

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

**NOTES:**

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

A NEW RESIDENTIAL COMMUNITY AT:
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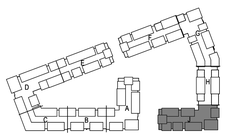
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

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

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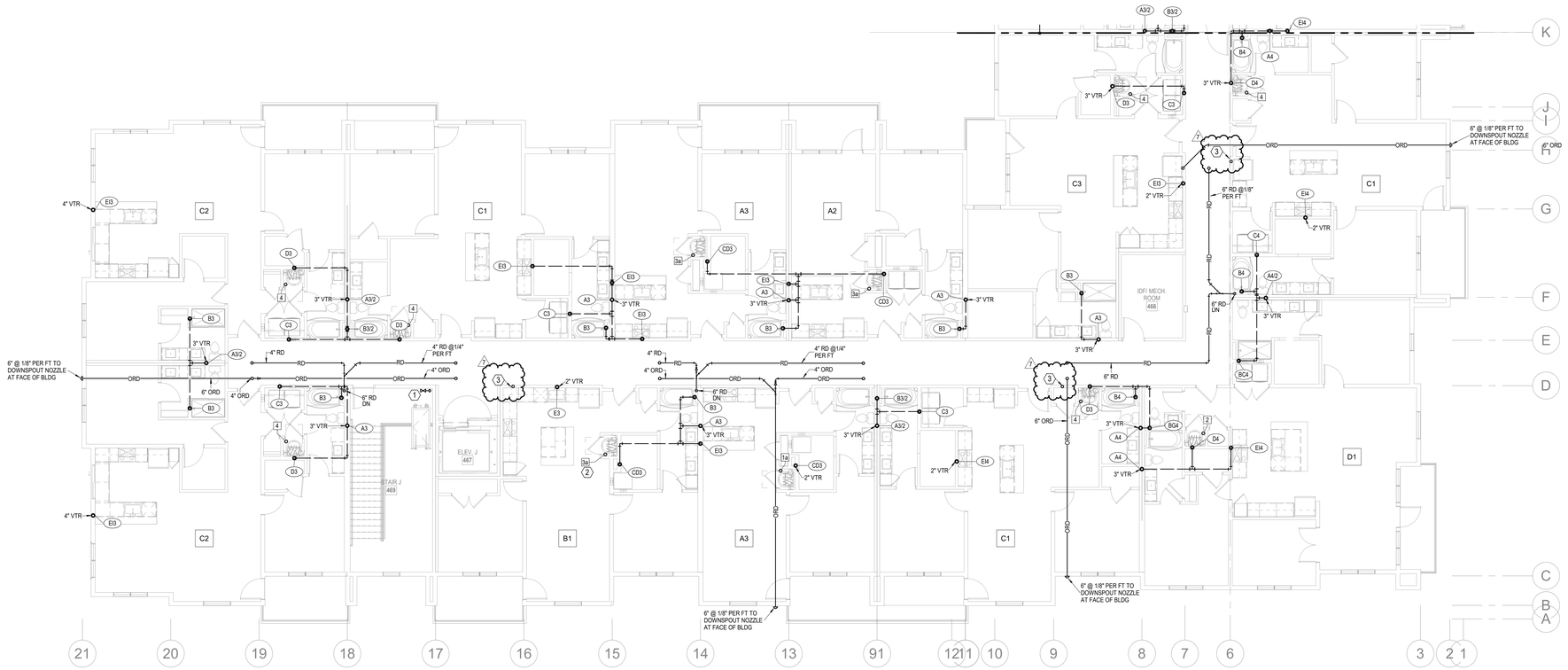
LSA PROJECT NO. 2204061

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

7/13/2023 4:30:14 PM

ARCH E1.30" x 42"

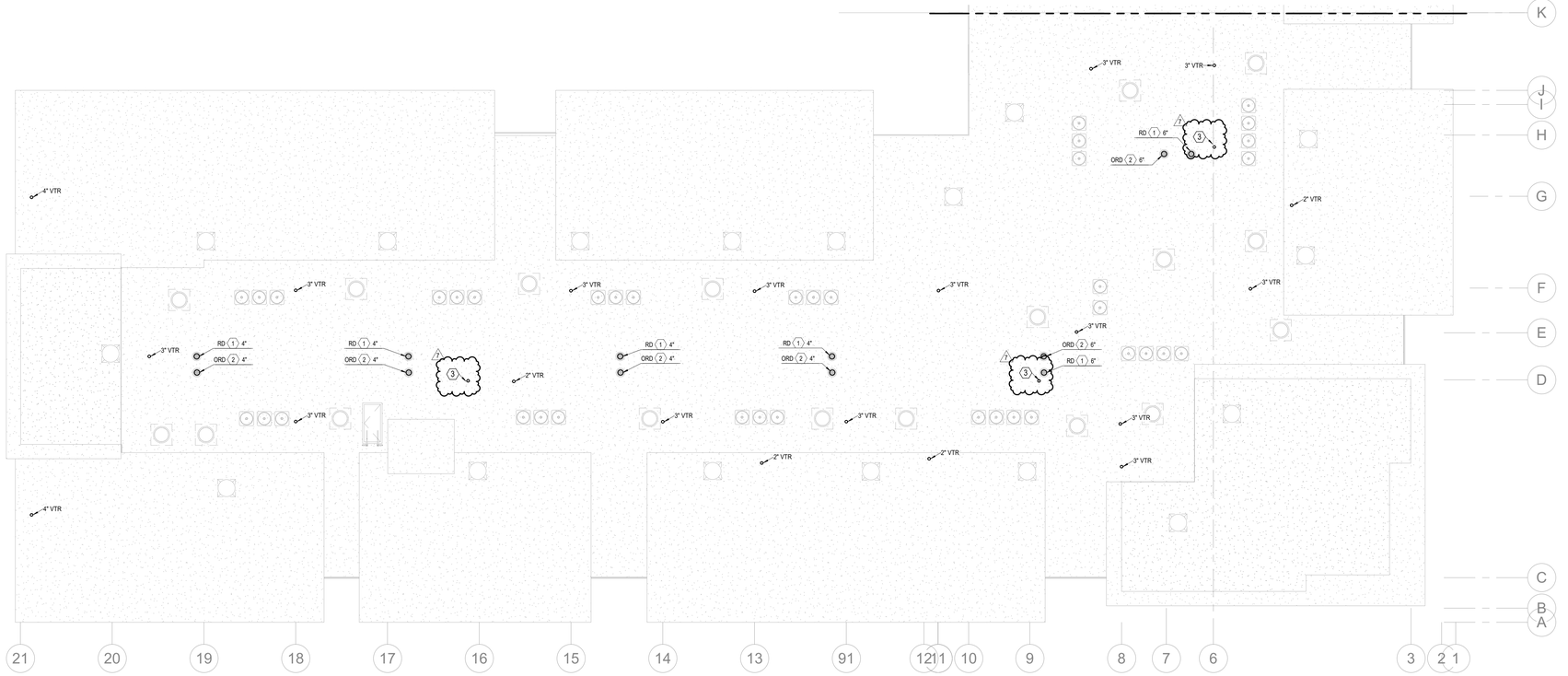



NORTH

## 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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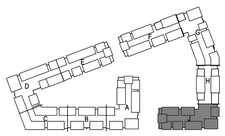

NORTH

**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

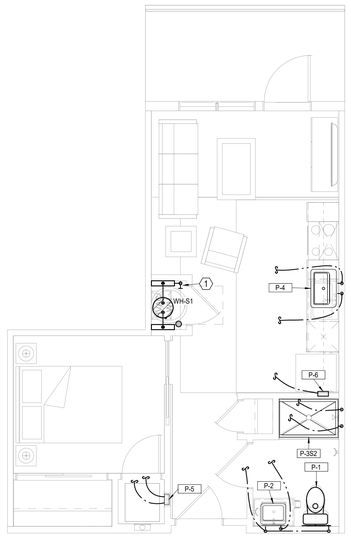
SHEET NO.
P1.37

7/13/2023 4:30:16 PM

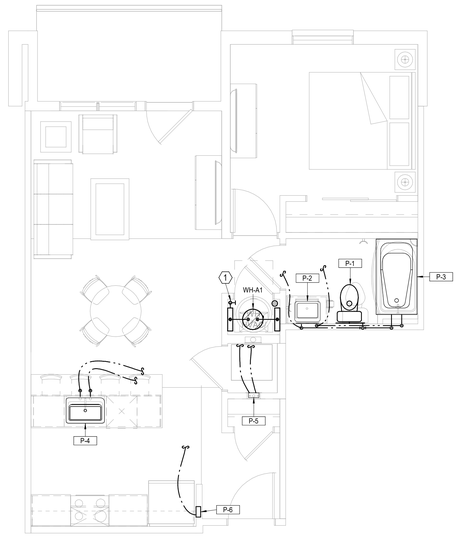
ARCH E1.30" x 42"

| 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. |

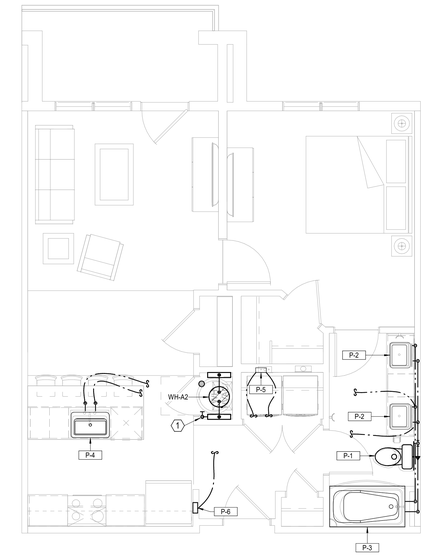
| LEGEND: |
|---|
| (1) 3/4" WATER SERVICE/SHUT-OFF WITH 3/4" MANIFOLD. |
| (2) 1" WATER SERVICE/SHUT-OFF WITH MANIFOLD. |



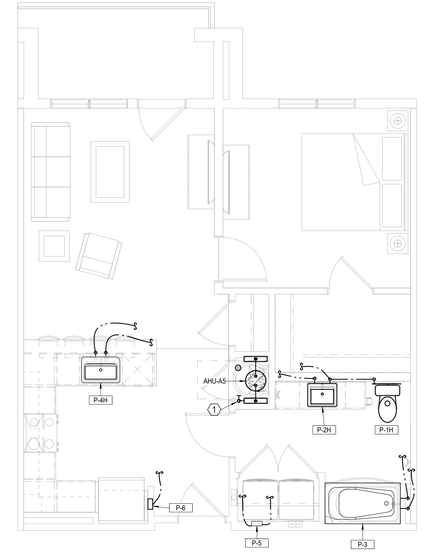

## 1 UNIT S1
**PLUMBING**
**1/4" = 1'-0"**



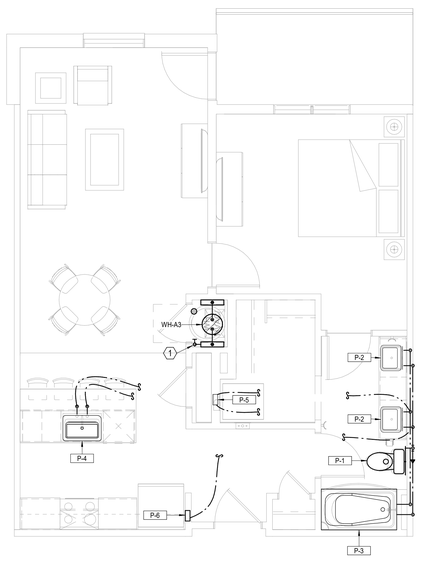

## 2 UNIT A1
**PLUMBING**
**1/4" = 1'-0"**



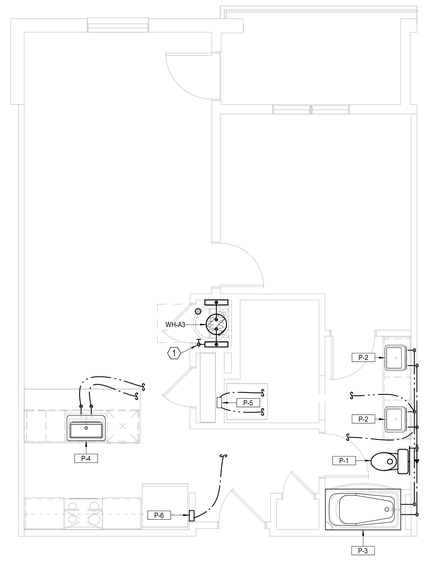

## 3 UNIT A2
**PLUMBING**
**1/4" = 1'-0"**



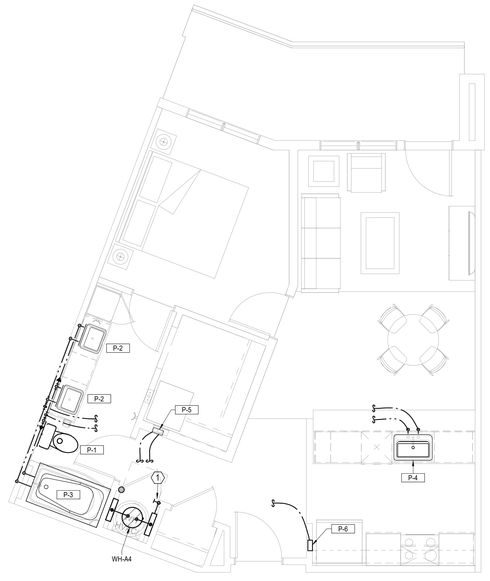

## 4 UNIT A2 TYPE A
**PLUMBING**
**1/4" = 1'-0"**



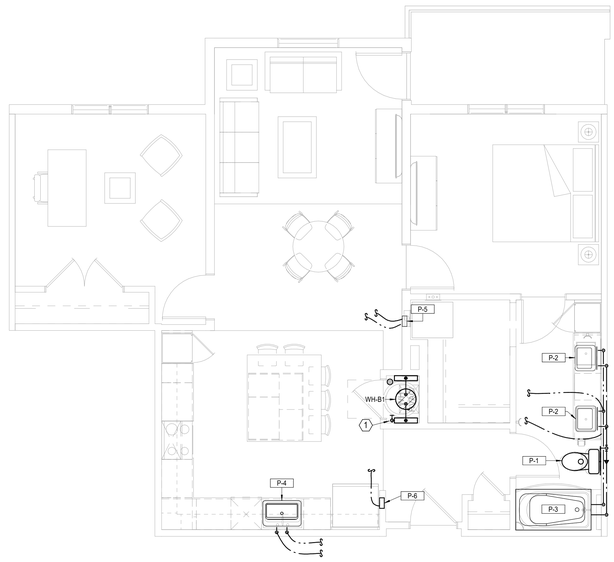

## 5 UNIT A3
**PLUMBING**
**1/4" = 1'-0"**




## 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

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

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

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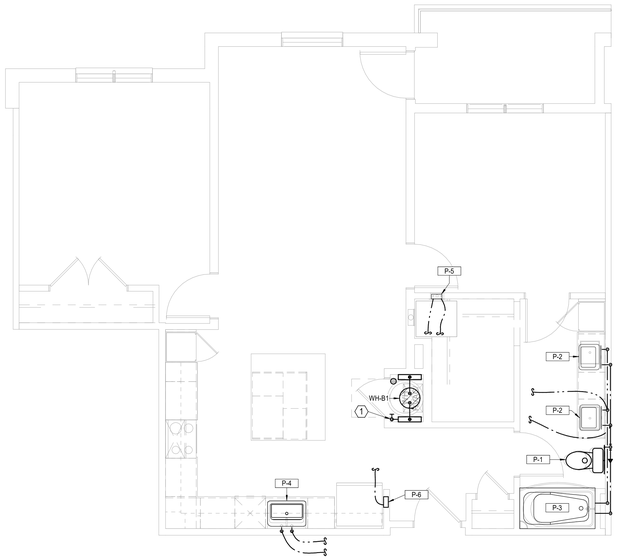
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

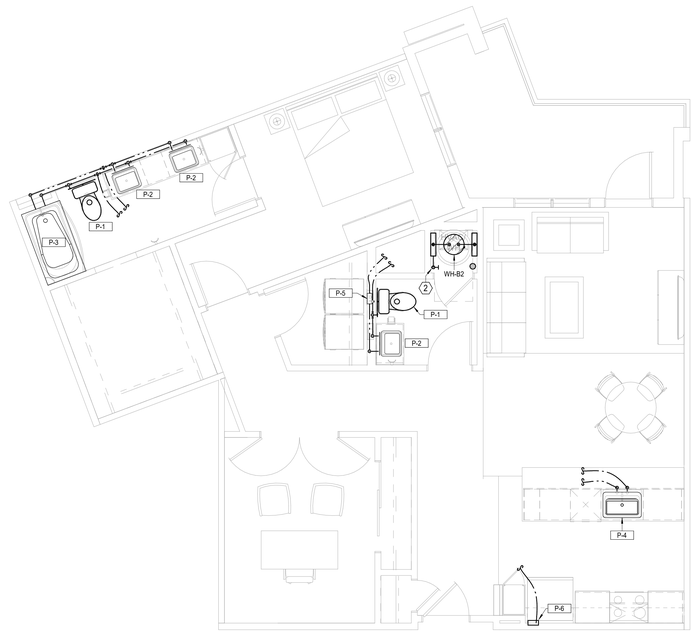
JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME UNIT PLANS - PLUMBING
SHEET NO. P2.01

4/13/2023 5:11:45 PM

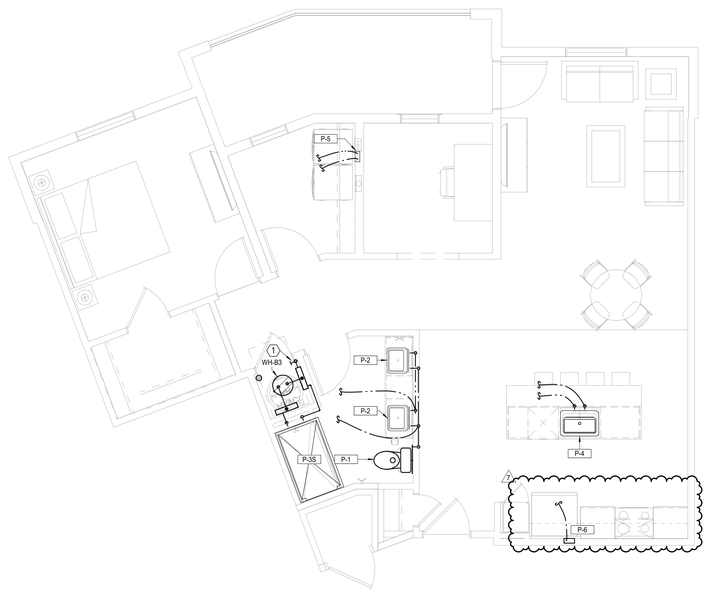
ARCH E1.30" x 42"



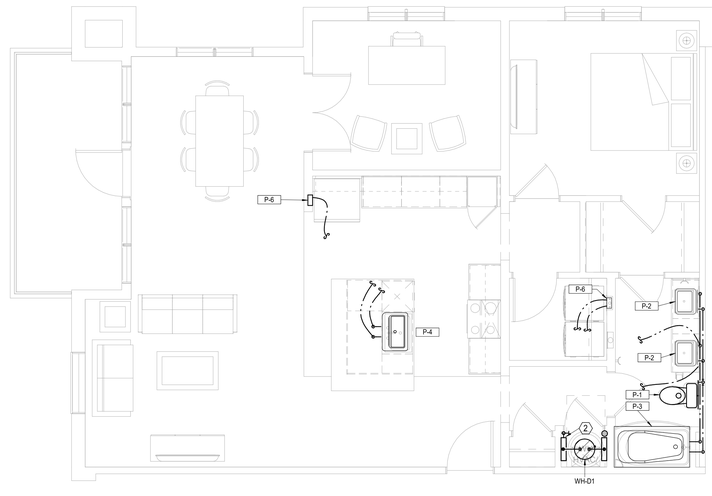

## 1 UNIT B1 ALT
**PLUMBING**
**1/4" = 1'-0"**




## 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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Overland Park, Kansas 66210
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Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

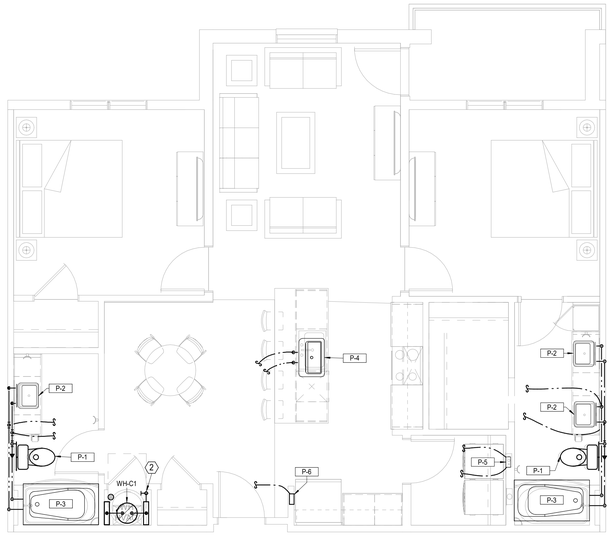
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - PLUMBING
SHEET NO. P2.02

7/13/2023 4:30:19 PM

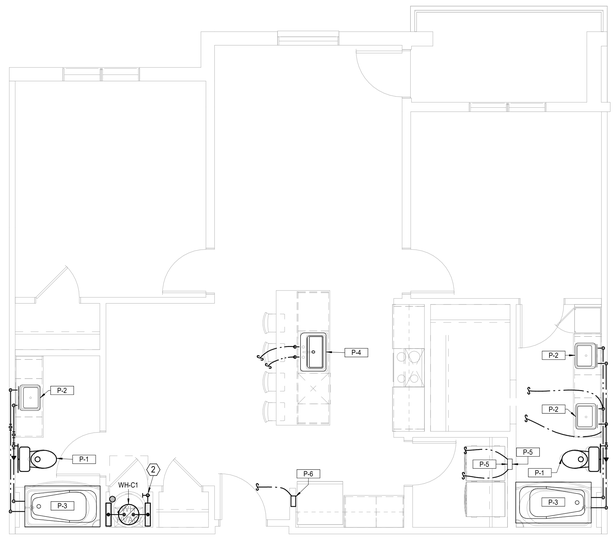
ARCH E1.30" x 42"

| 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. |

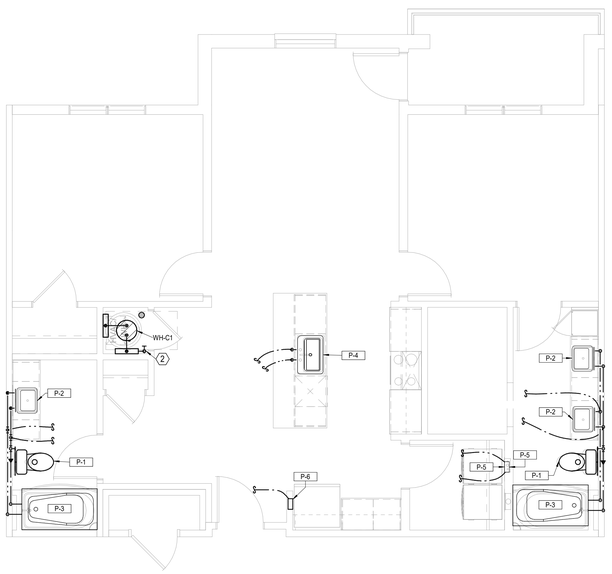
| LEGEND: |
|---|
| (1) 3/4" WATER SERVICE/SHUT-OFF WITH 3/4" MANIFOLD. |
| (2) 1" WATER SERVICE/SHUT-OFF WITH MANIFOLD. |



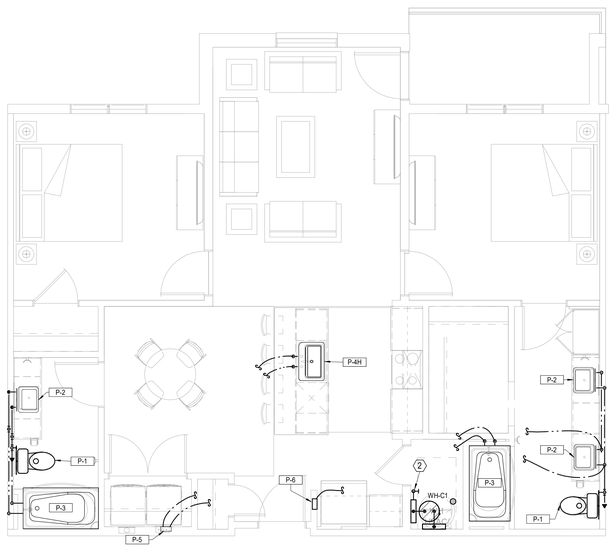

## 1 UNIT C1
**PLUMBING**
**1/4" = 1'-0"**



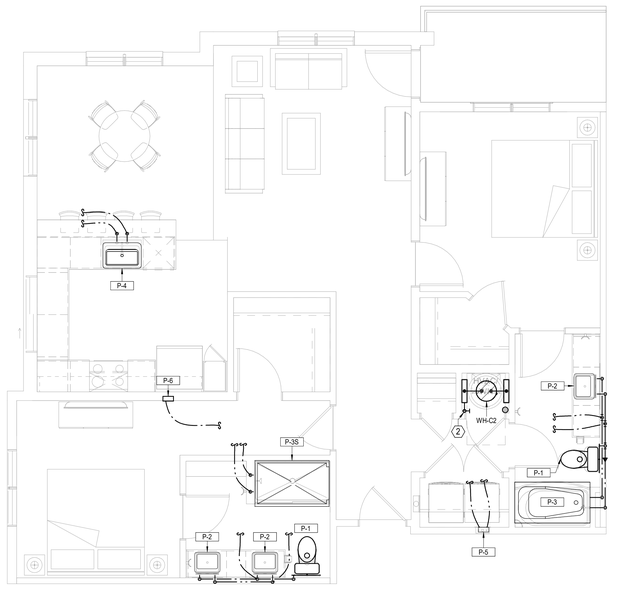

## 2 UNIT C1 ALT
**PLUMBING**
**1/4" = 1'-0"**




## 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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03/15/2023

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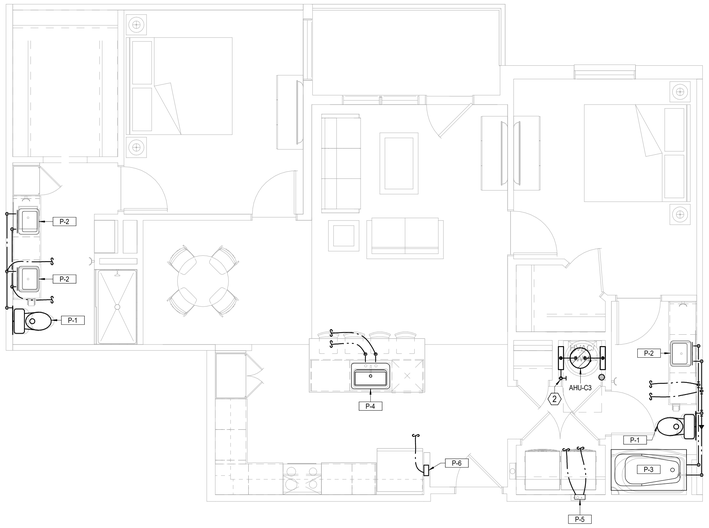
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

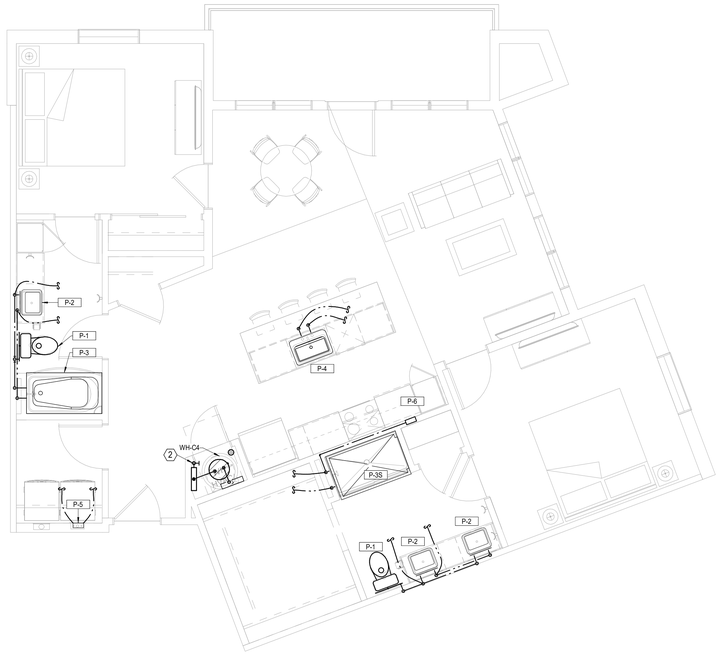
JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023
CITY COMMENTS
SHEET NAME
UNIT PLANS - PLUMBING
SHEET NO.
P2.03

4/13/2023 9:11:53 PM

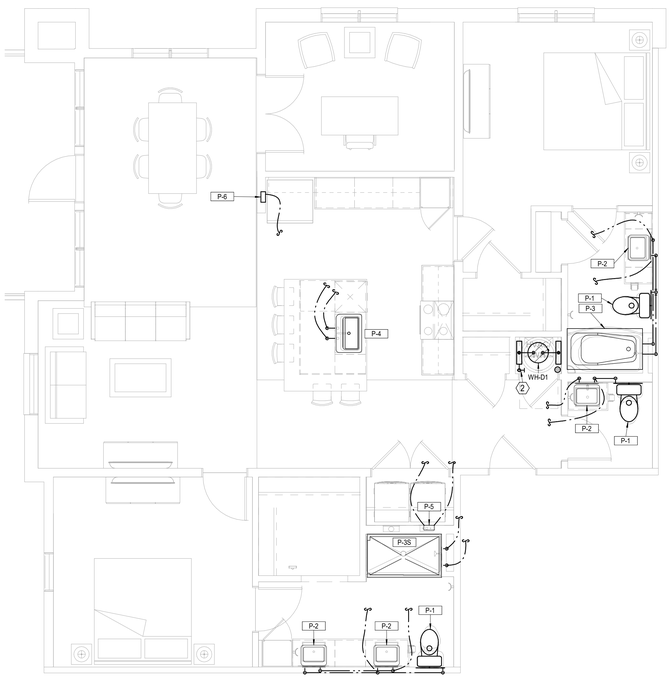
ARCH E1.30" x 42"



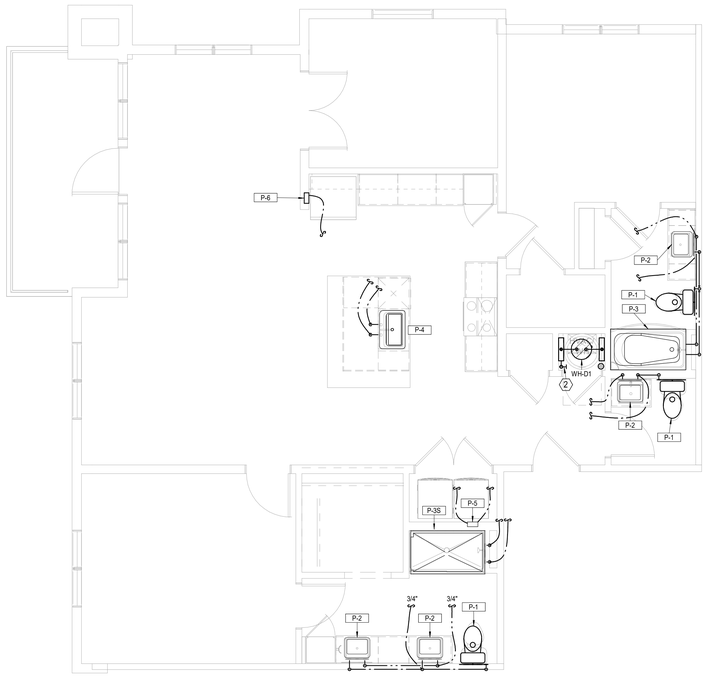

## 1 UNIT C3
**PLUMBING**
**1/4" = 1'-0"**




## 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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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. P2.04

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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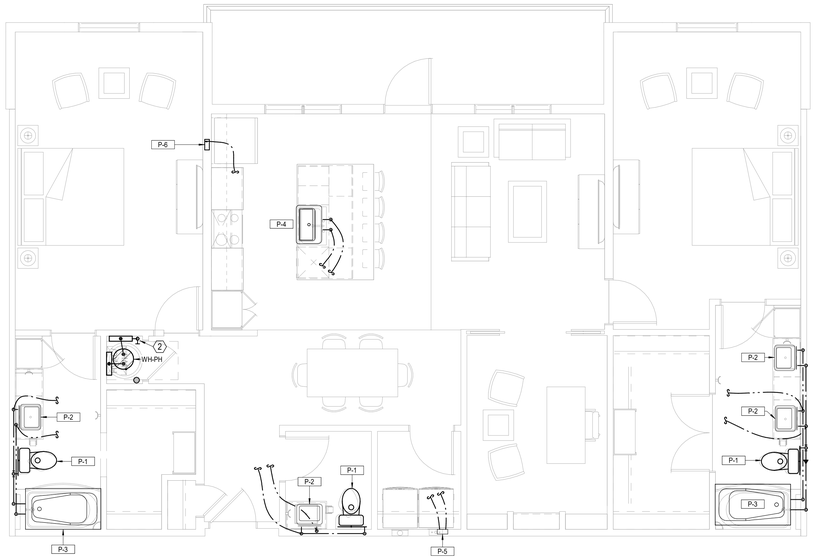
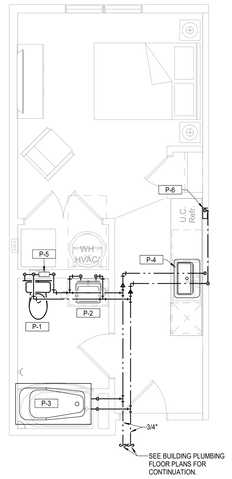



## 1 PENTHOUSE
**PLUMBING**
**1/4" = 1'-0"**




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

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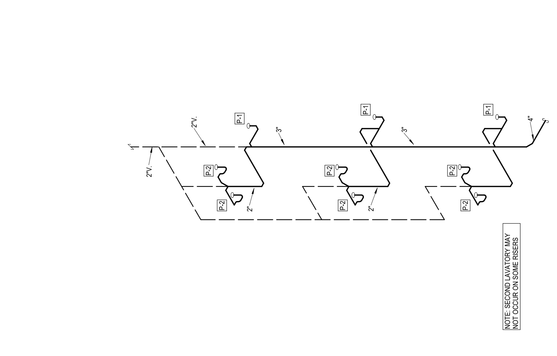
LSA PROJECT NO. 2204061


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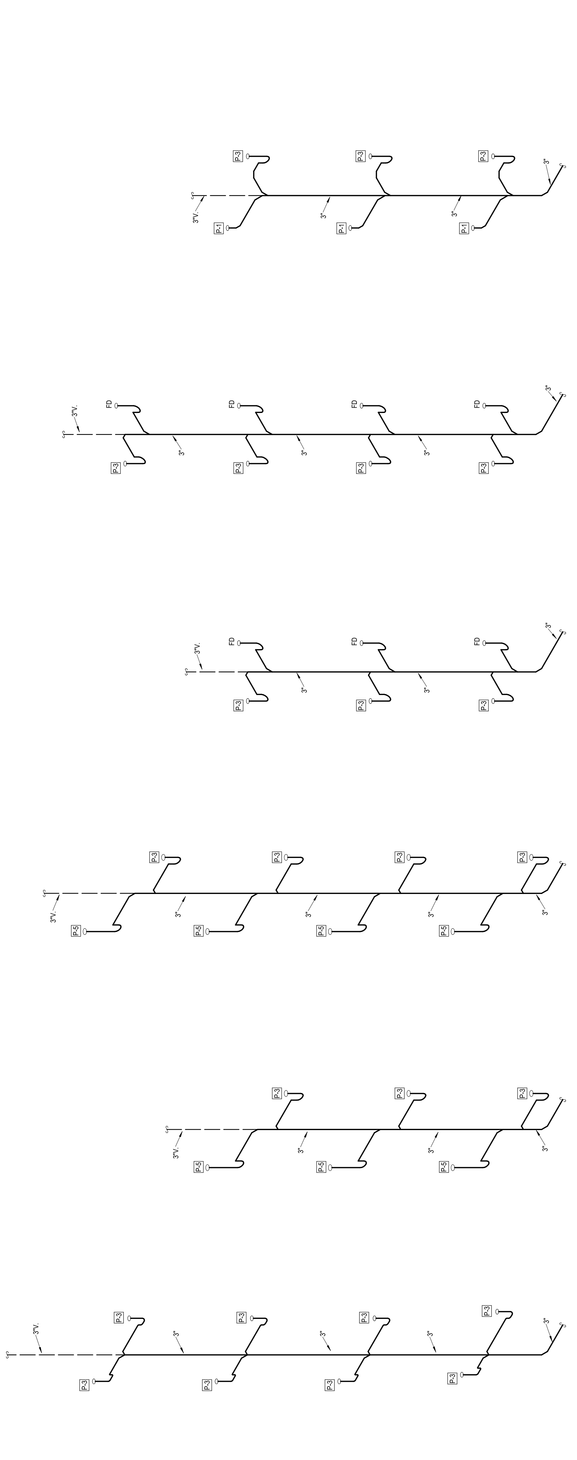
Email: lsa@lathropsa.com
LSA PROJECT NO. 2345681

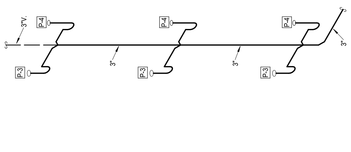
JOB NO. 705921
DRAWN BY LSA / MD
DATE 03.15.2023
4/17/2023 COMMENTS
SHEET NAME PLUMBING RISERS
SHEET NO. P3.02



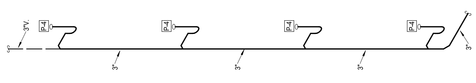
**EI2** Plumbing Riser
NOT TO SCALE



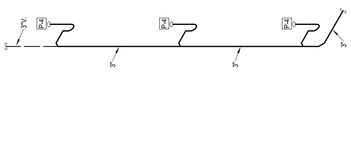

**EI1** Plumbing Riser
NOT TO SCALE



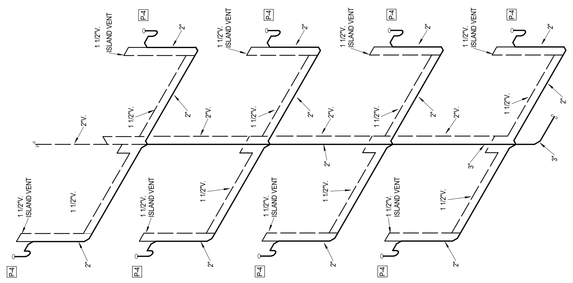

**EG3** Plumbing Riser
NOT TO SCALE



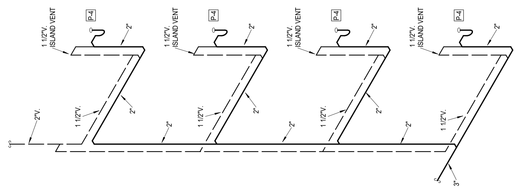

**E4** Plumbing Riser
NOT TO SCALE



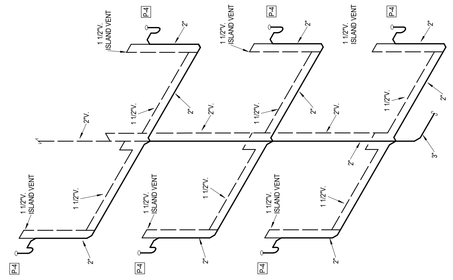

**E3** Plumbing Riser
NOT TO SCALE



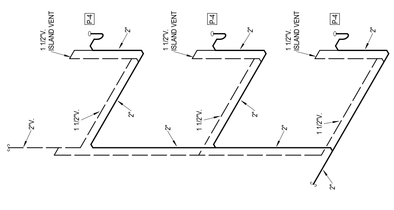

**EI4/2** Plumbing Riser
NOT TO SCALE




**EI4** Plumbing Riser
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
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Email: lsa@lathsom.com
LSA PROJECT NO. 2345691

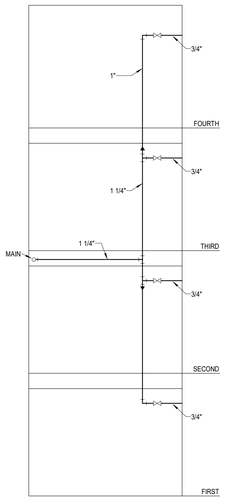

JOB NO. **705921**
DRAWN BY **LSA/AD**
DATE **03.15.2023**

**4/17/2023 COMMENTS**

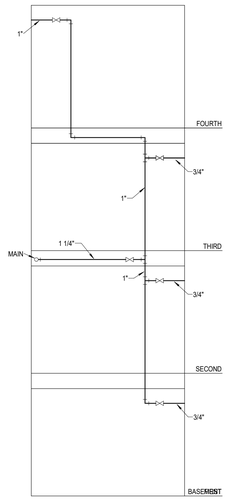
SHEET NAME
**PLUMBING RISERS**

SHEET NO.
**P3.03**

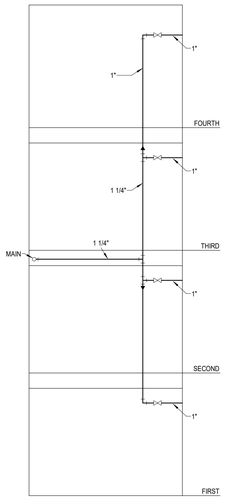
ARCH E1 30" x 42"



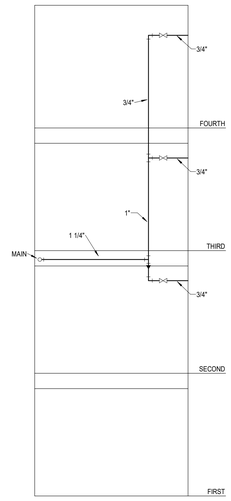

**1a Plumbing Riser**
NOT TO SCALE
**1 BATH**



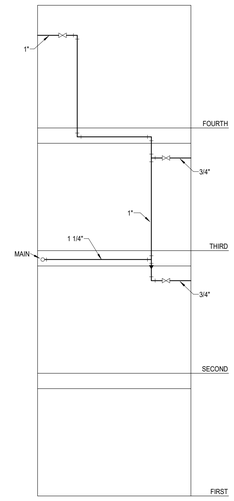

**1b Plumbing Riser**
NOT TO SCALE
**1 BATH + PENTHOUSE**



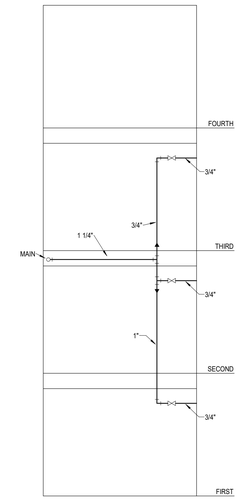

**2 Plumbing Riser**
NOT TO SCALE
**2 BATH**



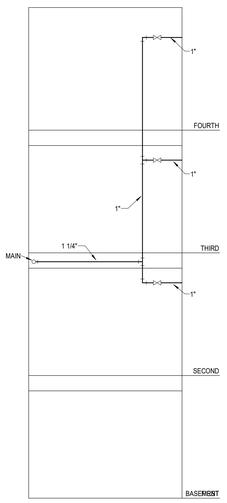

**3a Plumbing Riser**
NOT TO SCALE
**1 BATH**



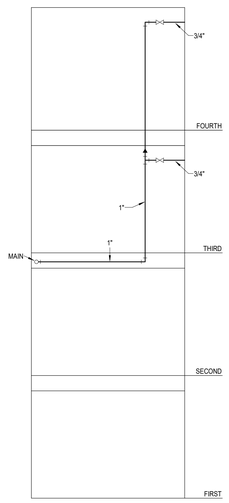

**3b Plumbing Riser**
NOT TO SCALE
**1 BATH + PENTHOUSE**



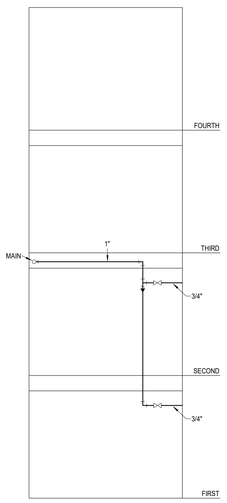

**3c Plumbing Riser**
NOT TO SCALE
**1 BATH**



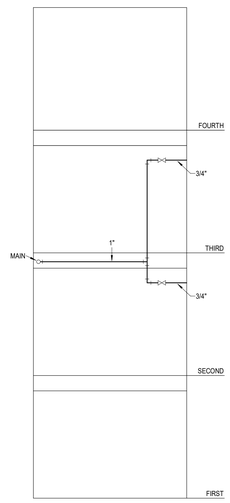

**4 Plumbing Riser**
NOT TO SCALE
**2 BATH**



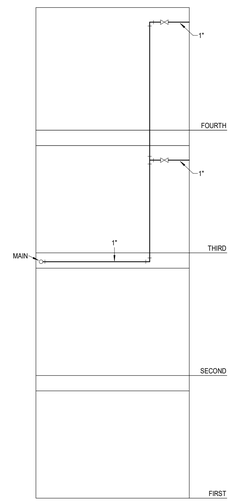

**5a Plumbing Riser**
NOT TO SCALE
**1 BATH**



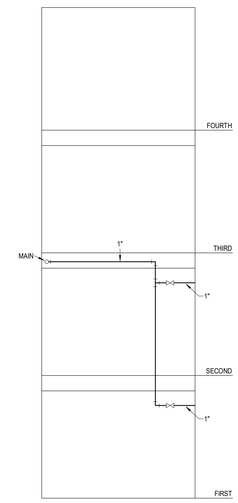

**5b Plumbing Riser**
NOT TO SCALE
**1 BATH**




**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
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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

LS&A
Lastimer Sommers & Associates P.A.
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8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
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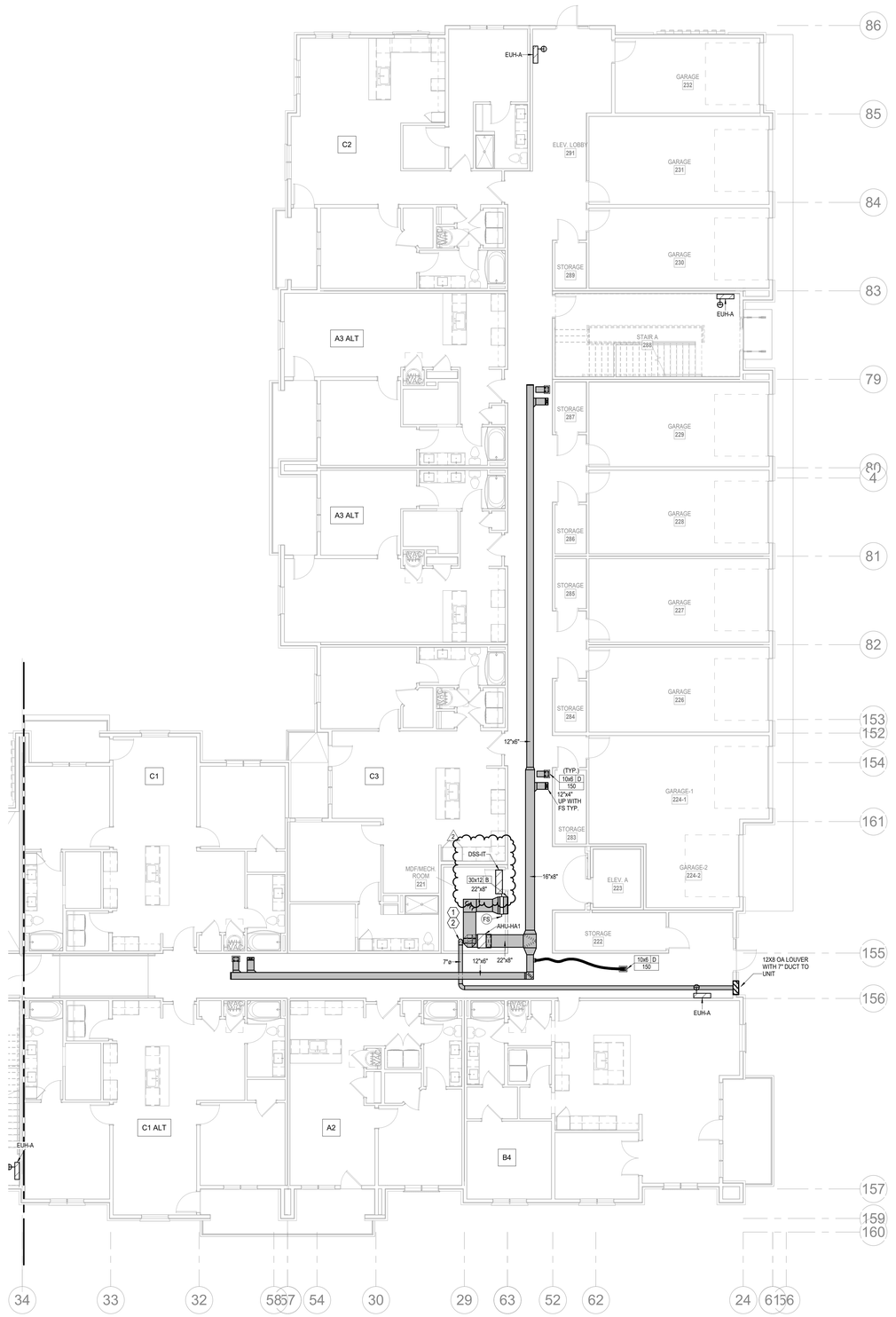
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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"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04/28/2023

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# TRILOGY

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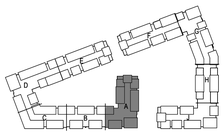
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN

NO SCALE

NORTH

REVISIONS
2 23.0428 ADD 1/CC 2


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

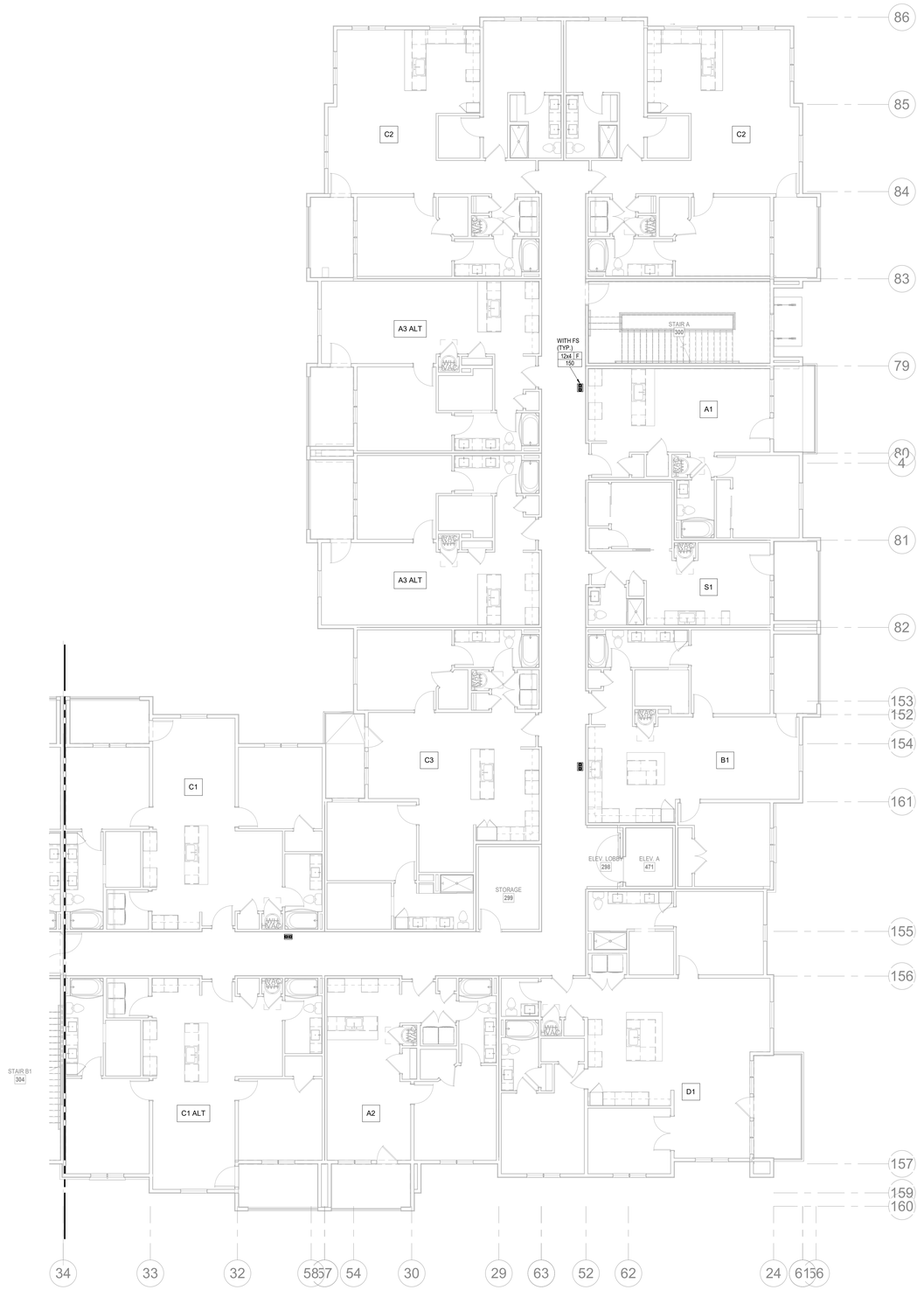

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT A - 1ST FLOOR - HVAC
SHEET NO. M1.01

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

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ENERGY SERVICES
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NUMBER
PROFESSIONAL ENGINEER
03/15/2023

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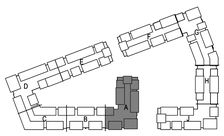

KEY PLAN
NORTH

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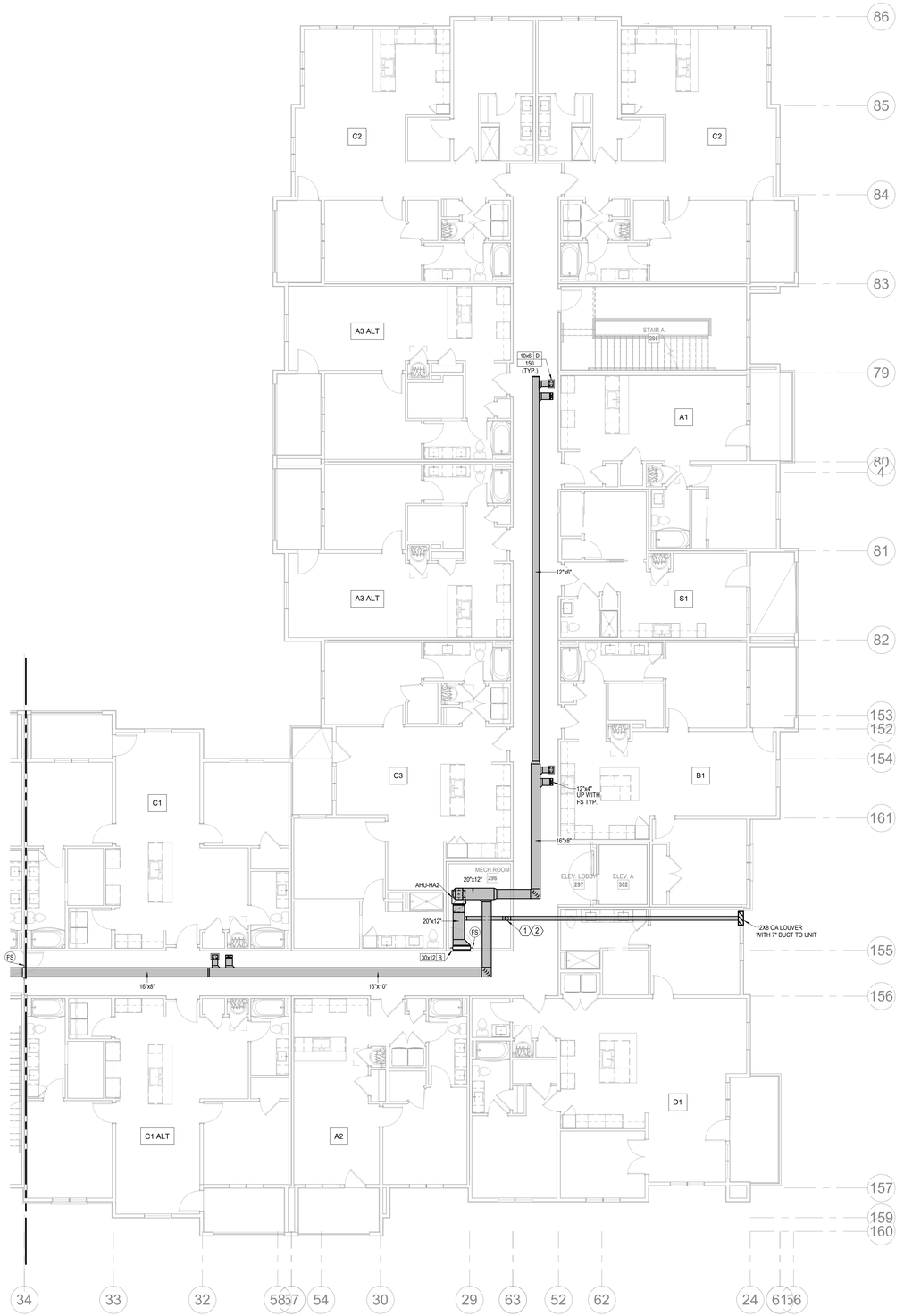
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT A - 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. |
| 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 A

HVAC

1/8" = 1'-0"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03/15/2023

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DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

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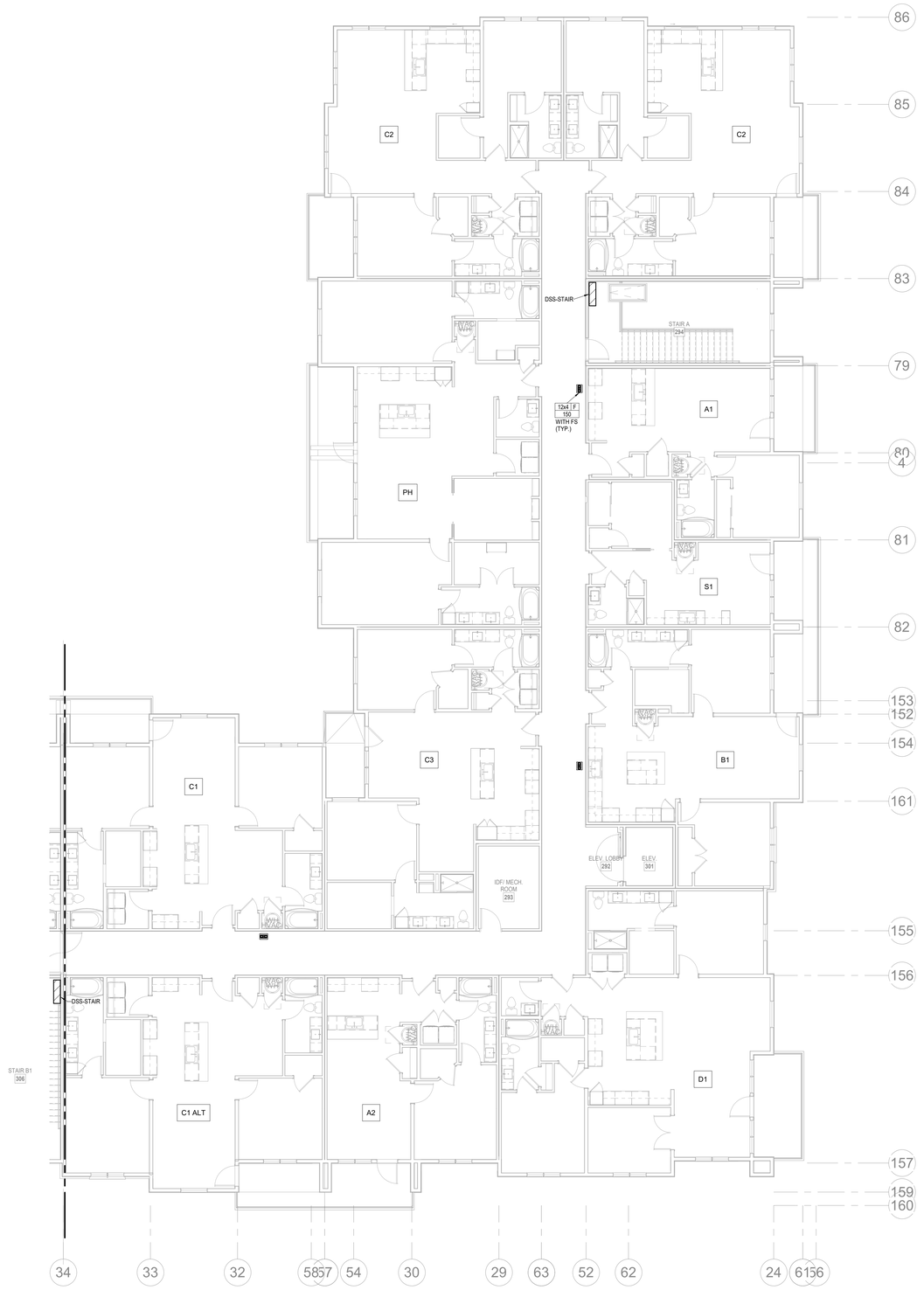
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT 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. |
| 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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LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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03/15/2023

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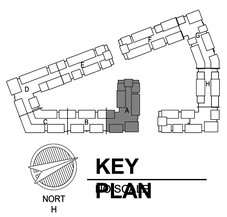
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS




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 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. |
| 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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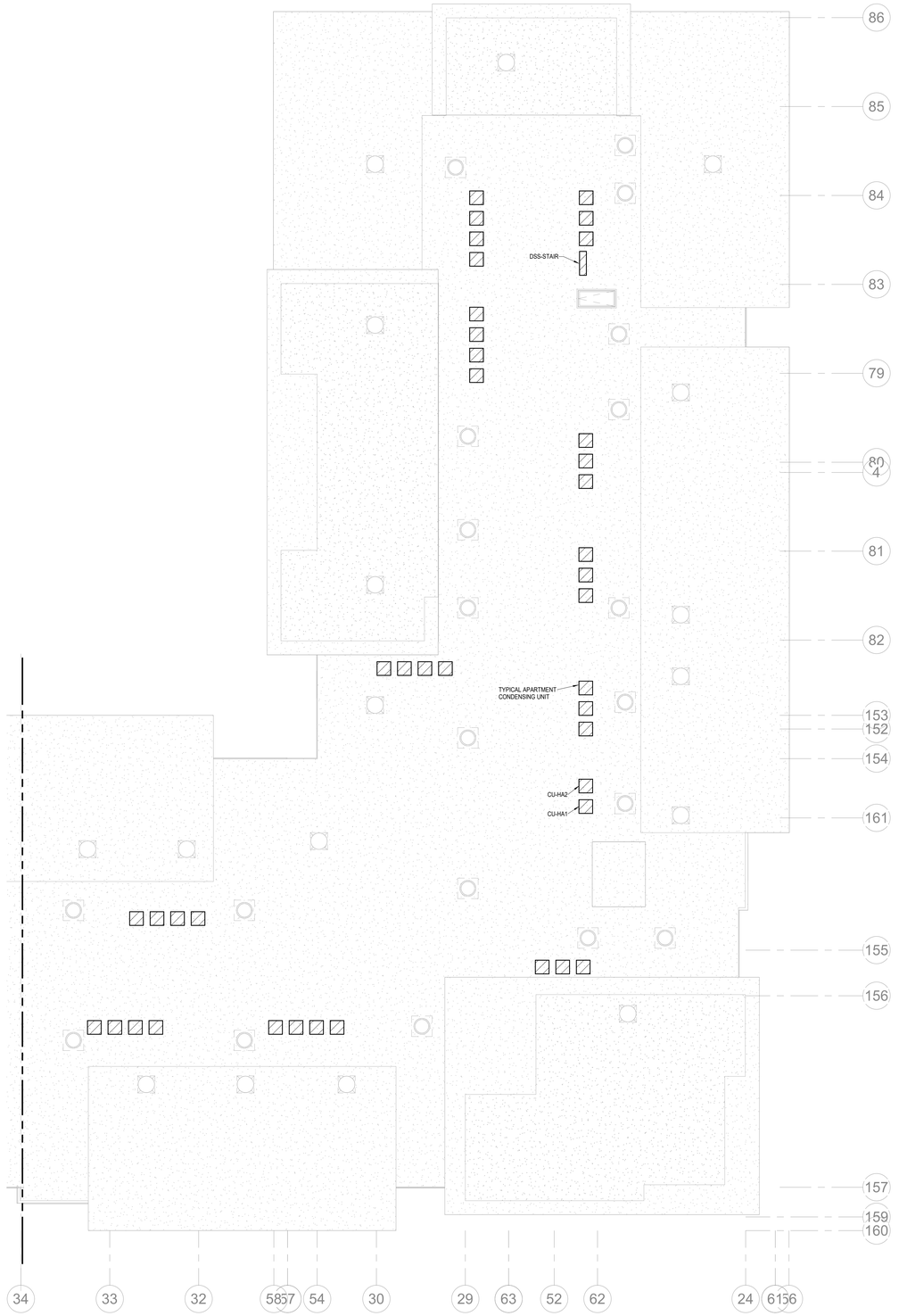


NORTH

## 1 ROOF PLAN - SEGMENT A

HVAC

1/8" = 1'-0"


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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

03/15/2023

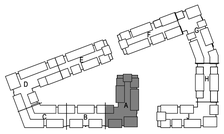
A NEW RESIDENTIAL COMMUNITY AT:

# TRILOGY

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

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS




NORTH

KEY PLAN

DISCIPLINE

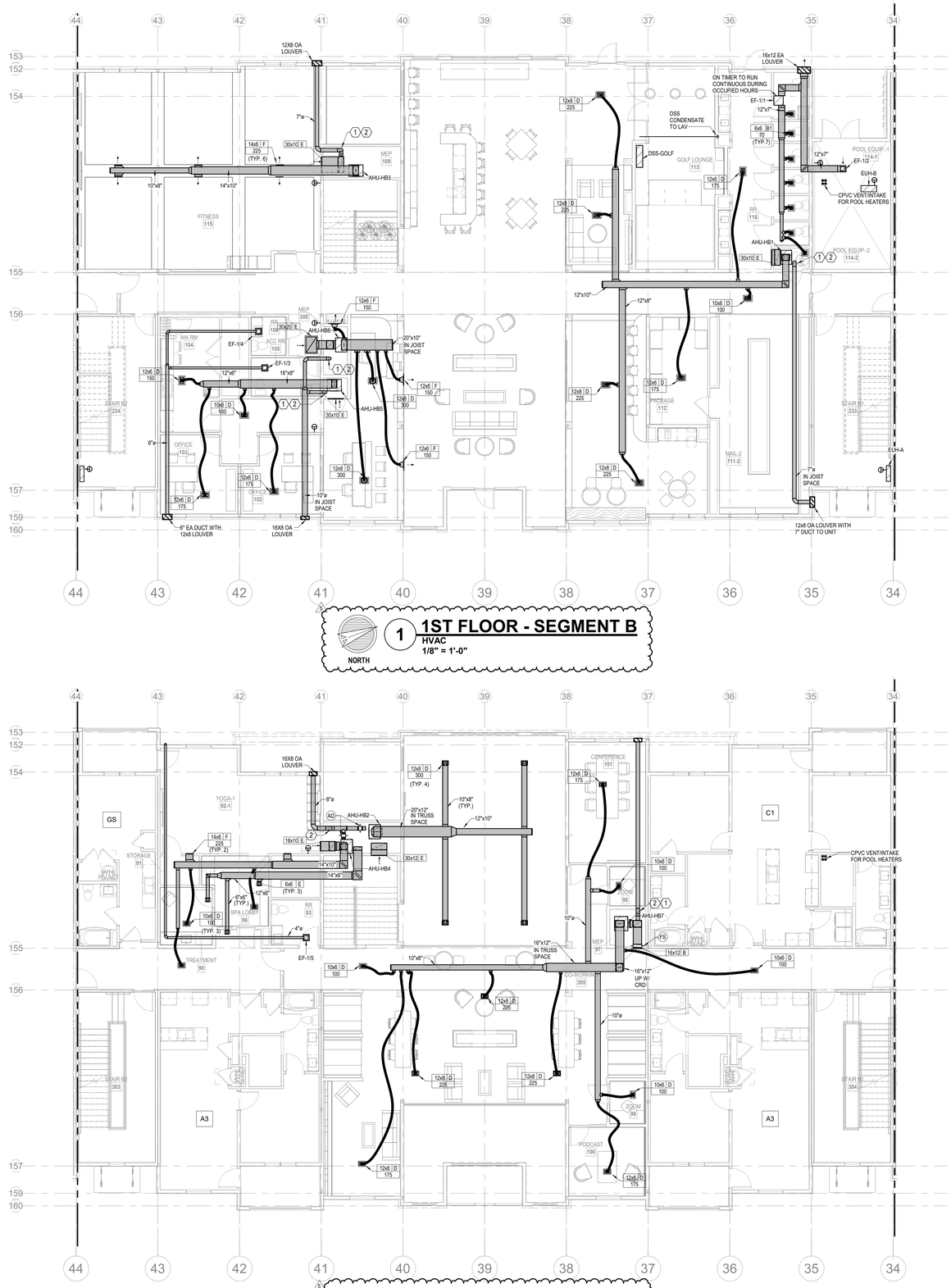

LS&A
Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsaca.com

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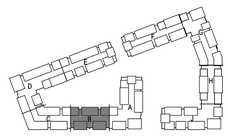
STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER
6/9/2023

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

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

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

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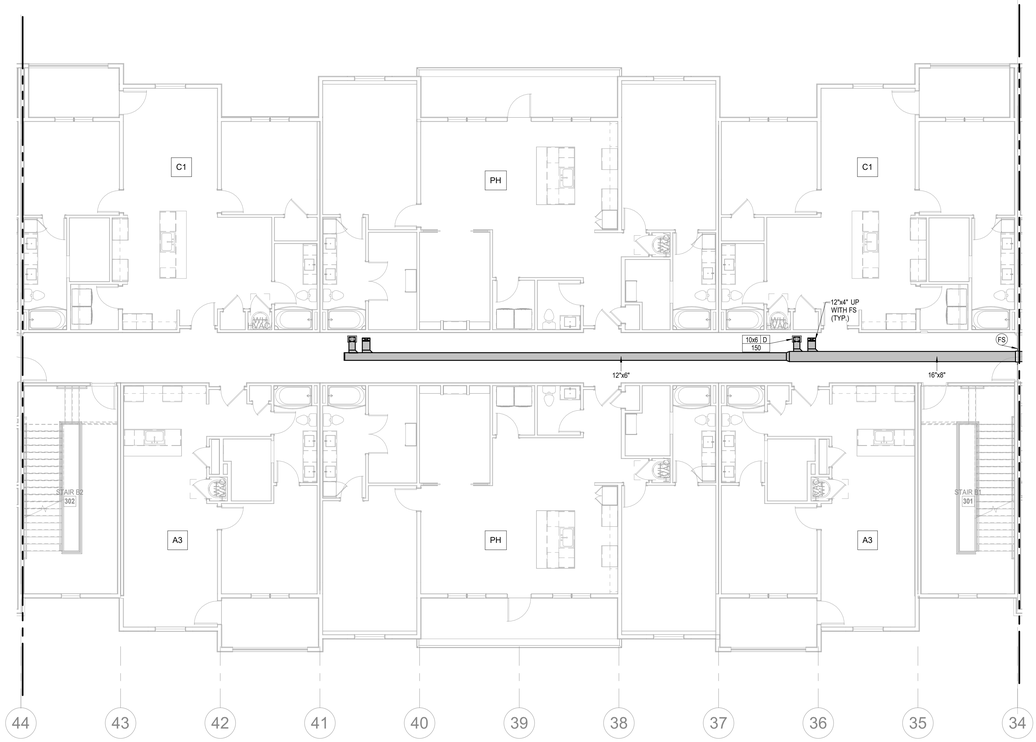
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

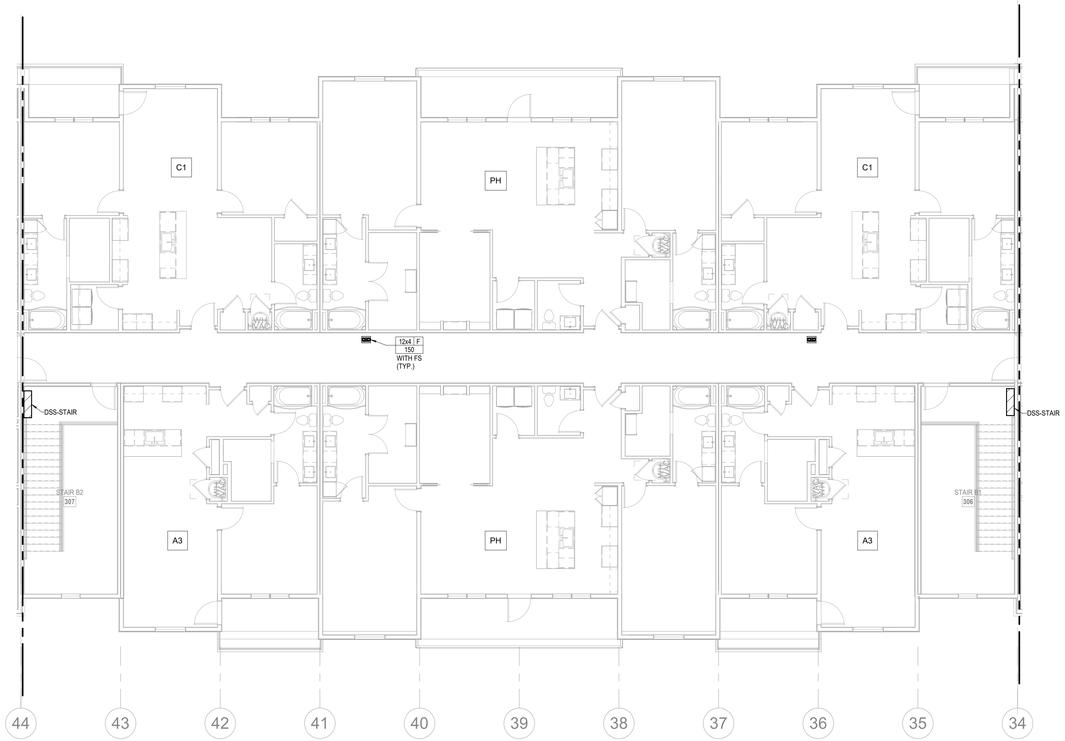
6/12/2023 5:48:14 PM

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.
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03/15/2023

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DRAWING RELEASE LOG
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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 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

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|---|---|
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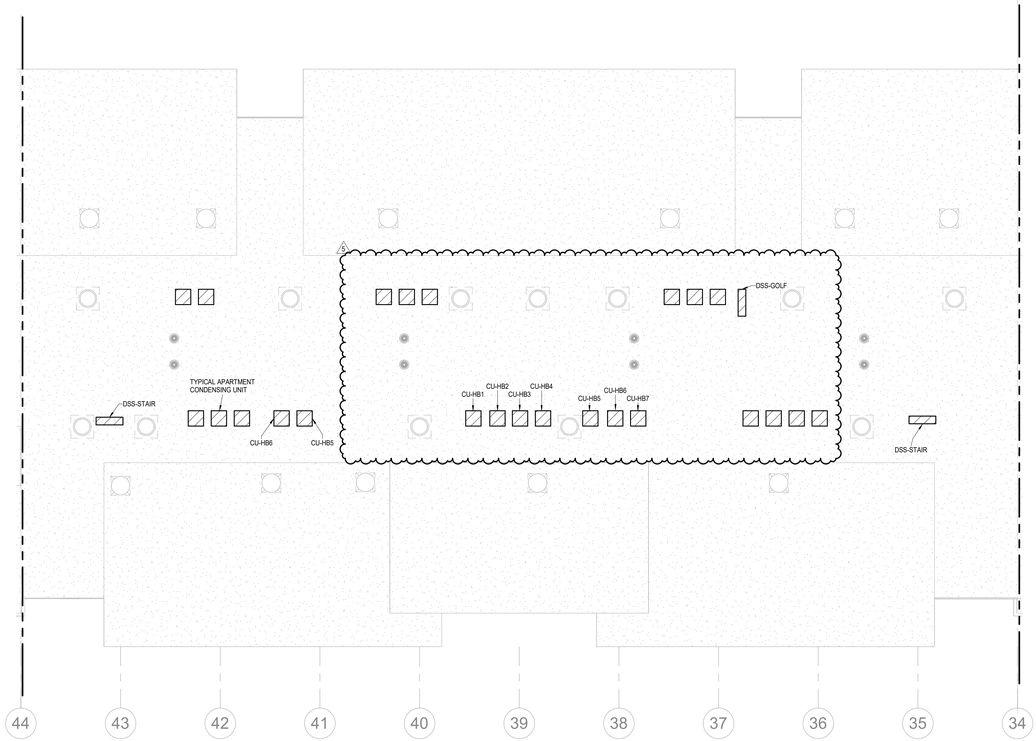
6/9/2023

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## 1 ROOF PLAN - SEGMENT B

HVAC
1/8" = 1'-0"

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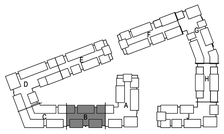
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS
5 23-06-09 ASI 1



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 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. |
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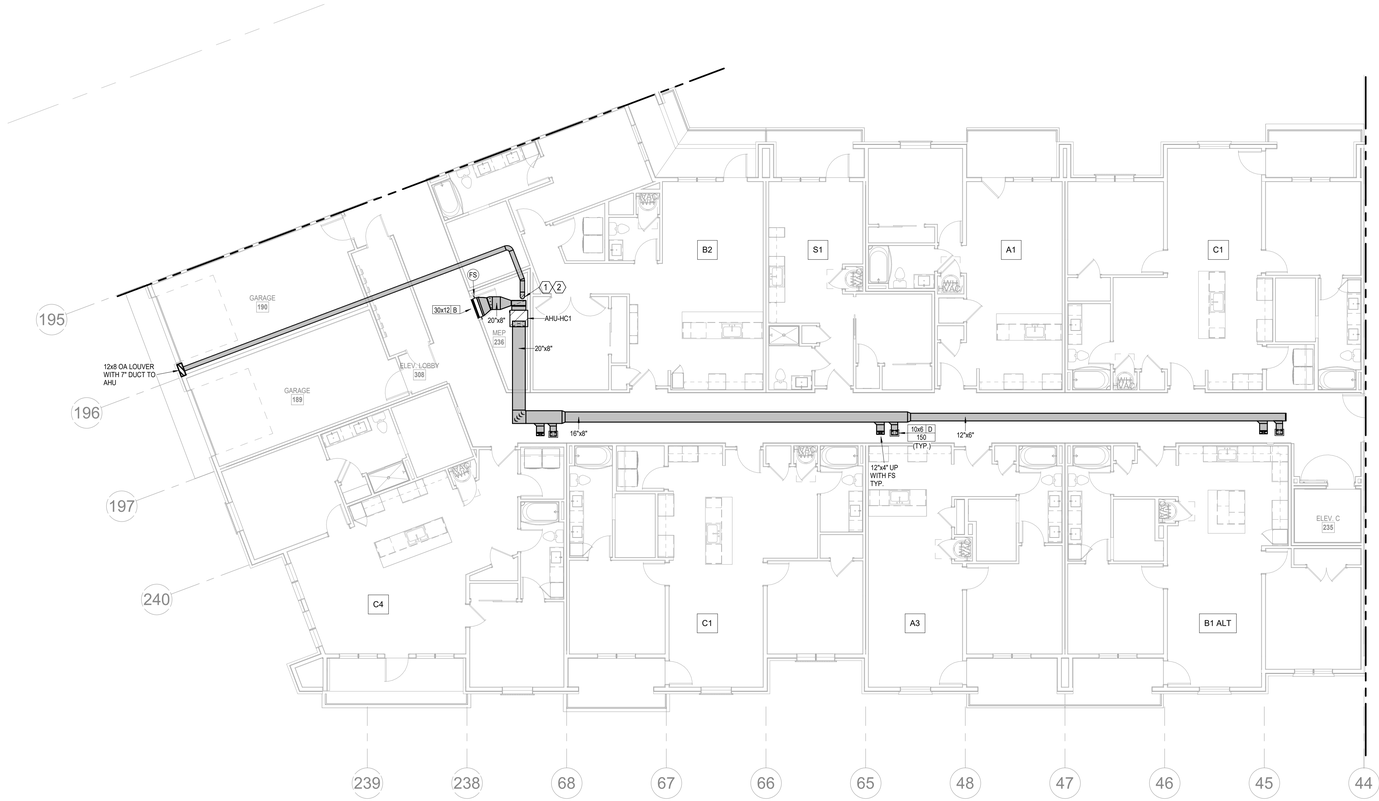


NORTH

## 1 1ST FLOOR - SEGMENT C

HVAC

1/8" = 1'-0"


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03/15/2023

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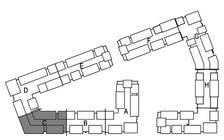

NORTH

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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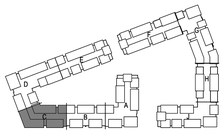

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LSA PROJECT NO. 2204061


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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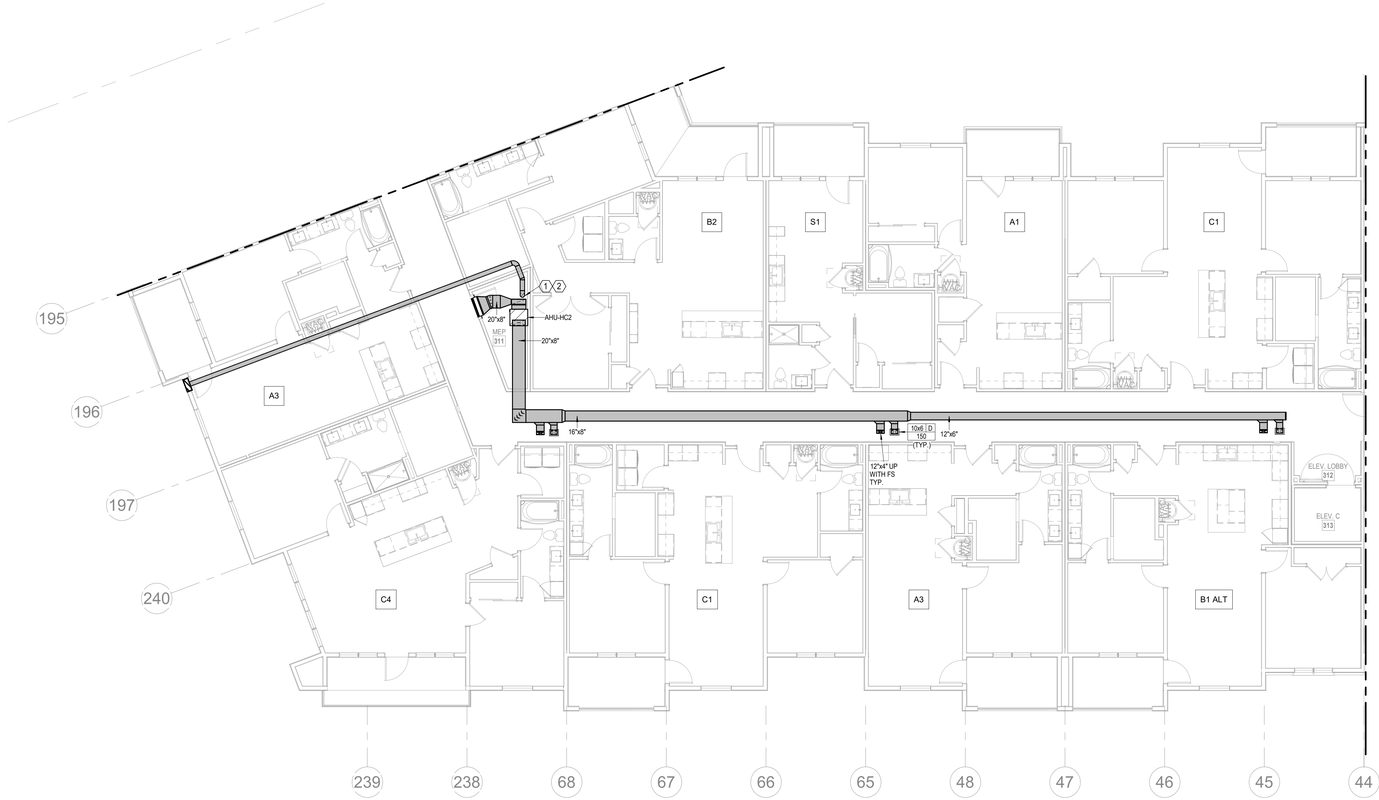


1 **3RD FLOOR - SEGMENT C**
HVAC
1/8" = 1'-0"

NORTH

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03/15/2023

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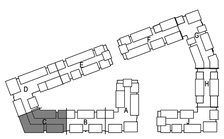

KEY PLAN

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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 - 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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## 1 4TH FLOOR - SEGMENT C

HVAC

1/8" = 1'-0"


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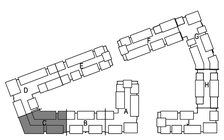

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DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT C - 4TH FLOOR - HVAC
SHEET NO. M1.12

4/13/2023 9:08:47 PM

ARCH E1.30" x 42"

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|---|
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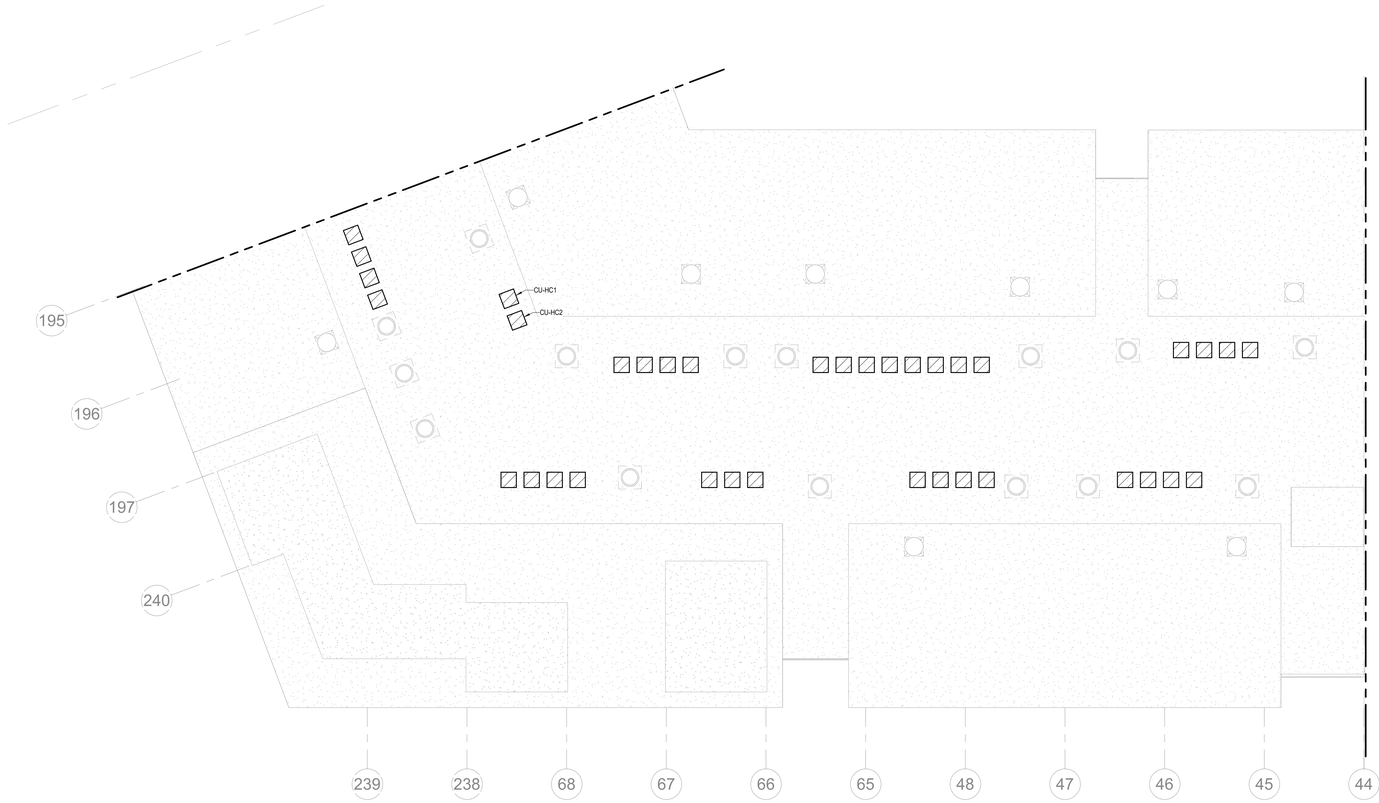



NORTH

## 1 ROOF PLAN - SEGMENT C

HVAC
1/8" = 1'-0"

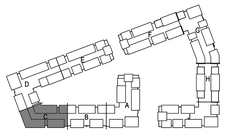
A NEW RESIDENTIAL COMMUNITY AT:

# TRILOGY

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

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



NORTH

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SHEET NAME SEGMENT C - ROOF PLAN - HVAC
SHEET NO. M1.13

4/13/2023 9:08:48 PM

ARCH E1.30" x 42"

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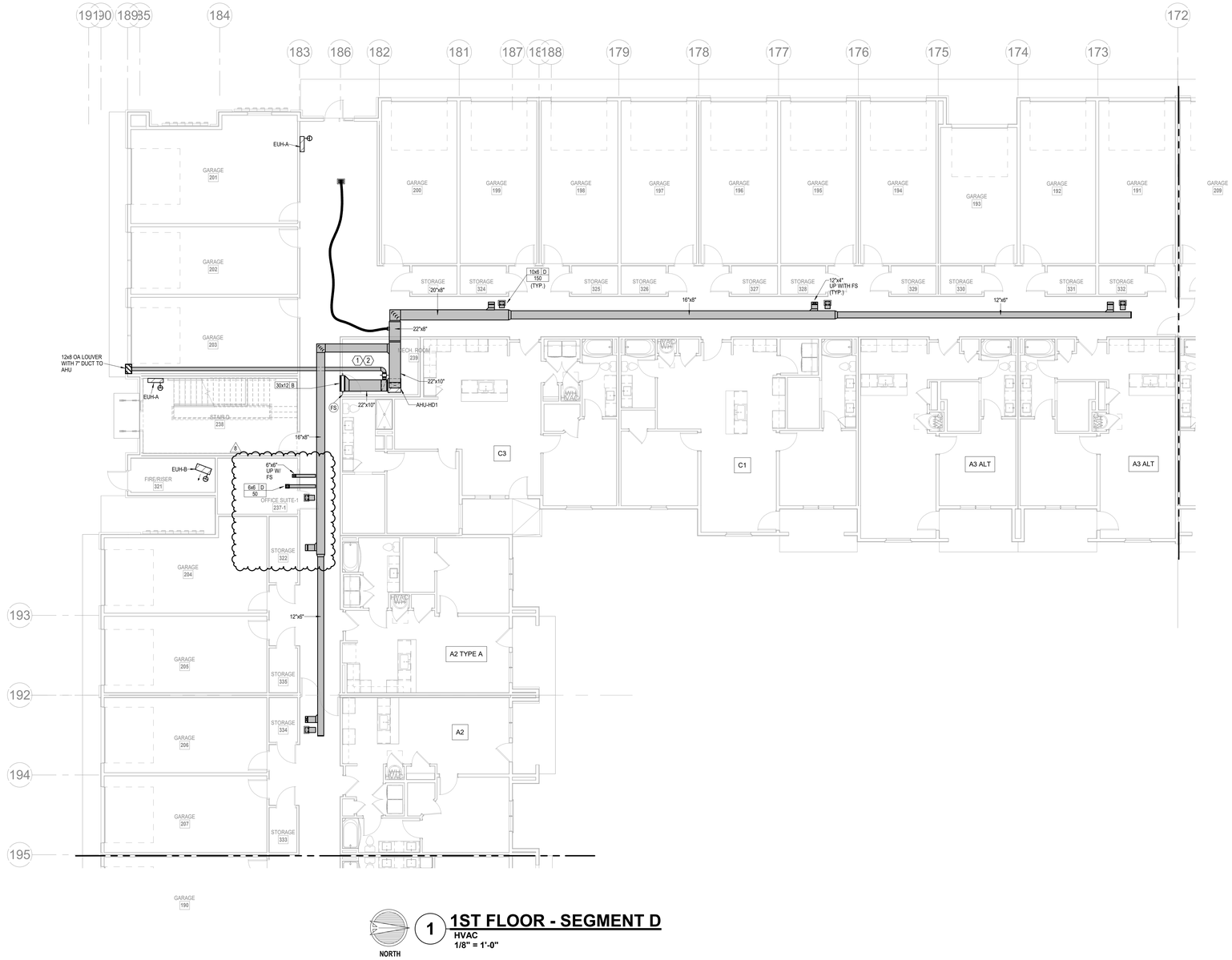
| 5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT. |
| 6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF. |

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

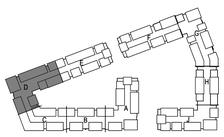



## 1 1ST FLOOR - SEGMENT D

HVAC

1/8" = 1'-0"

NORTH



KEY PLAN

NO SCALE

NORTH


NSPJ ARCHITECTS, INC.
ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES
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F. 913.831.1563
NSPJARCH.COM
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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

REVISIONS
8 23-06-11 ASI 4


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

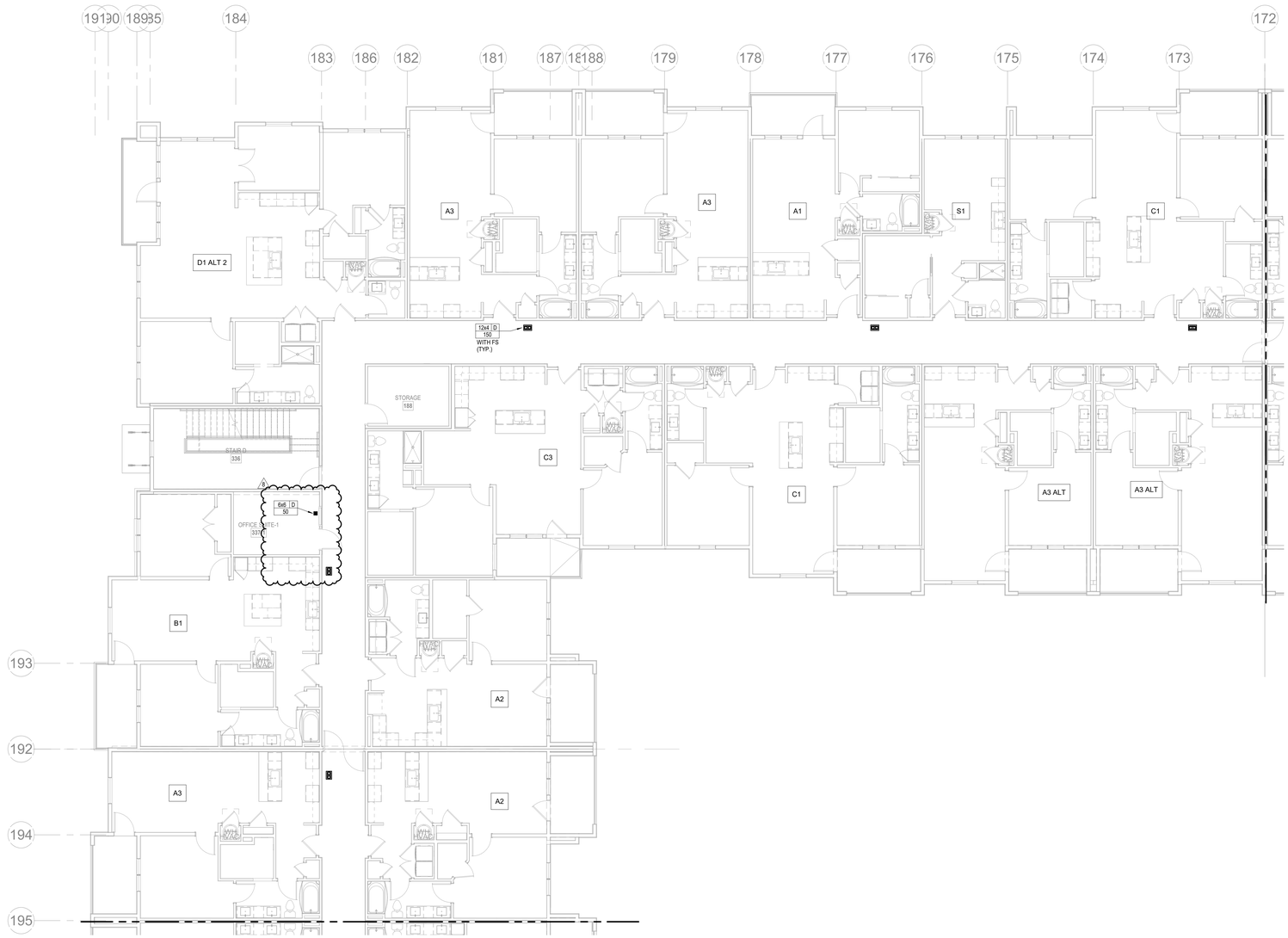

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT D - 1ST FLOOR - HVAC
SHEET NO. M1.14

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. |
| 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. |

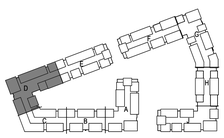



NORTH

## 1 2ND FLOOR - SEGMENT D

HVAC

1/8" = 1'-0"



NORTH

## KEY PLAN

NO SCALE

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

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DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

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1 23-08-11 ASI 4

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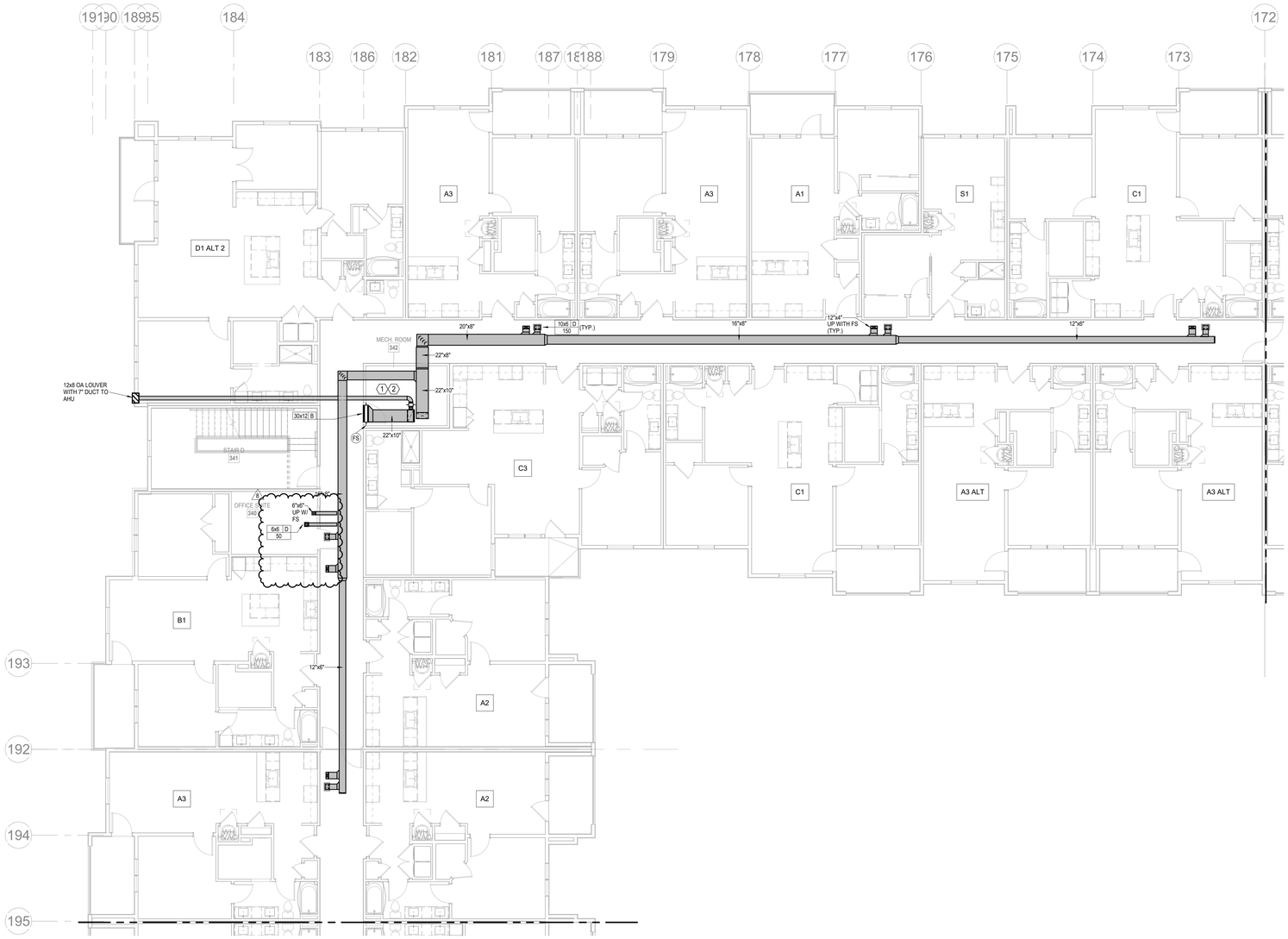
8628 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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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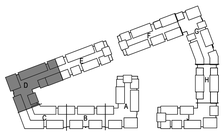
- 03.15.2023 - PERMIT SUBMITTAL

REVISIONS
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 - 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. |
| 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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|---|
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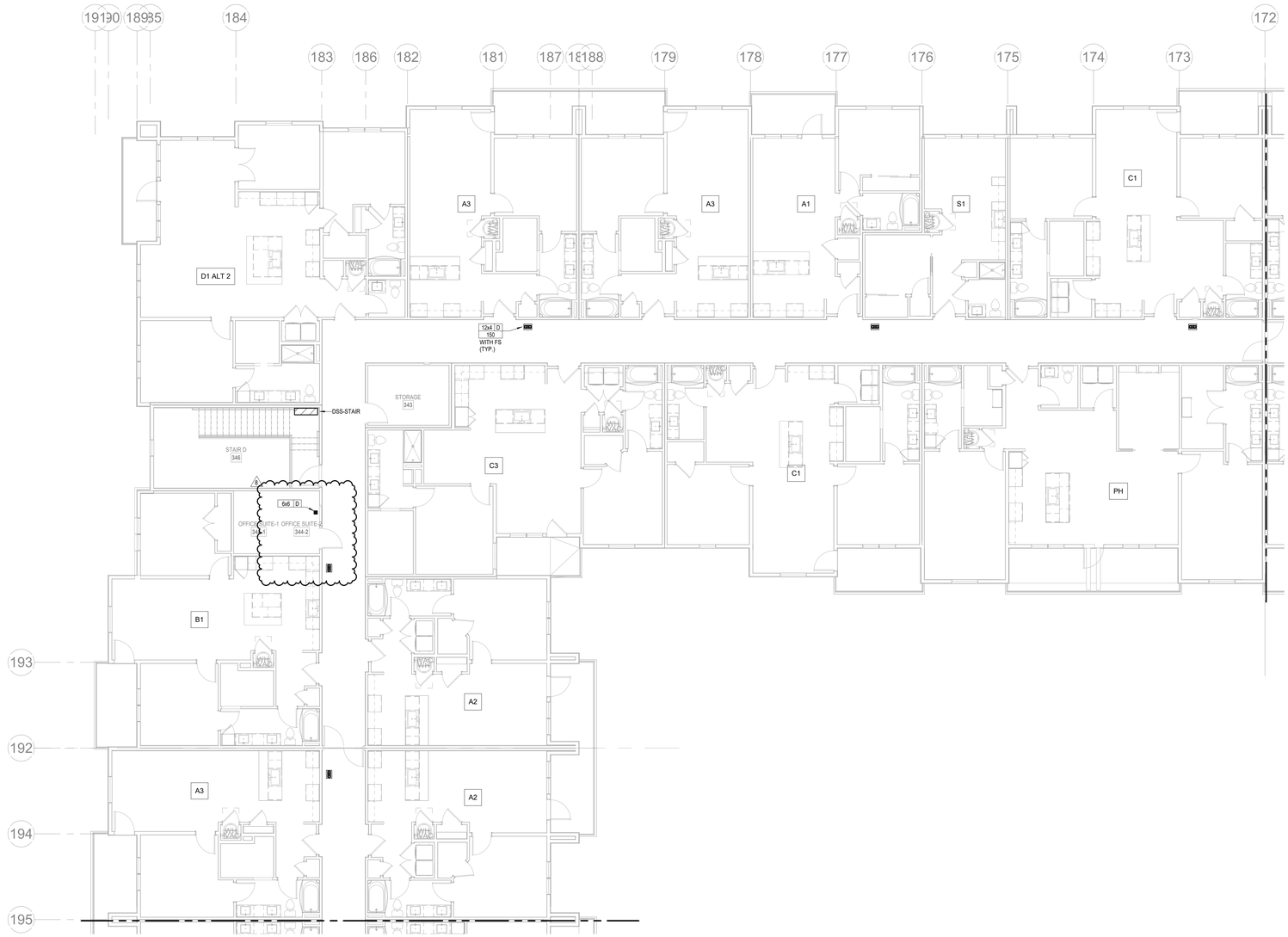


1 **4TH FLOOR - SEGMENT D**
HVAC
1/8" = 1'-0"
NORTH

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ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES
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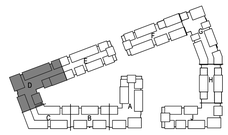
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS
8 23-08-11 ASI 4



NORTH
KEY PLAN
NO SCALE

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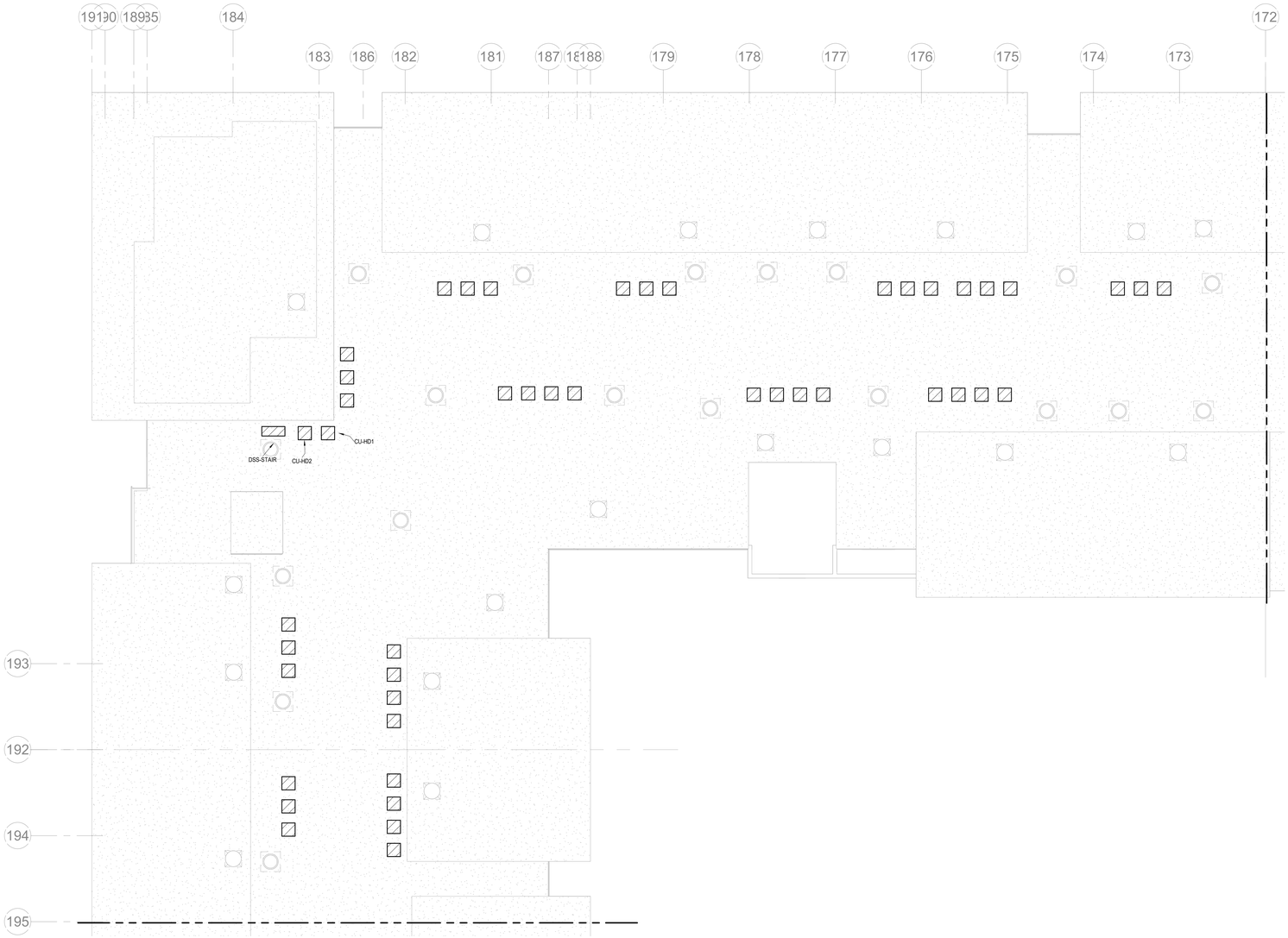


NORTH

## 1 ROOF PLAN - SEGMENT D

HVAC
1/8" = 1'-0"


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03/15/2023

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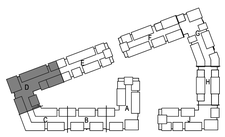
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

KEY PLAN

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8628 College Boulevard, Suite 103
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 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. |
| 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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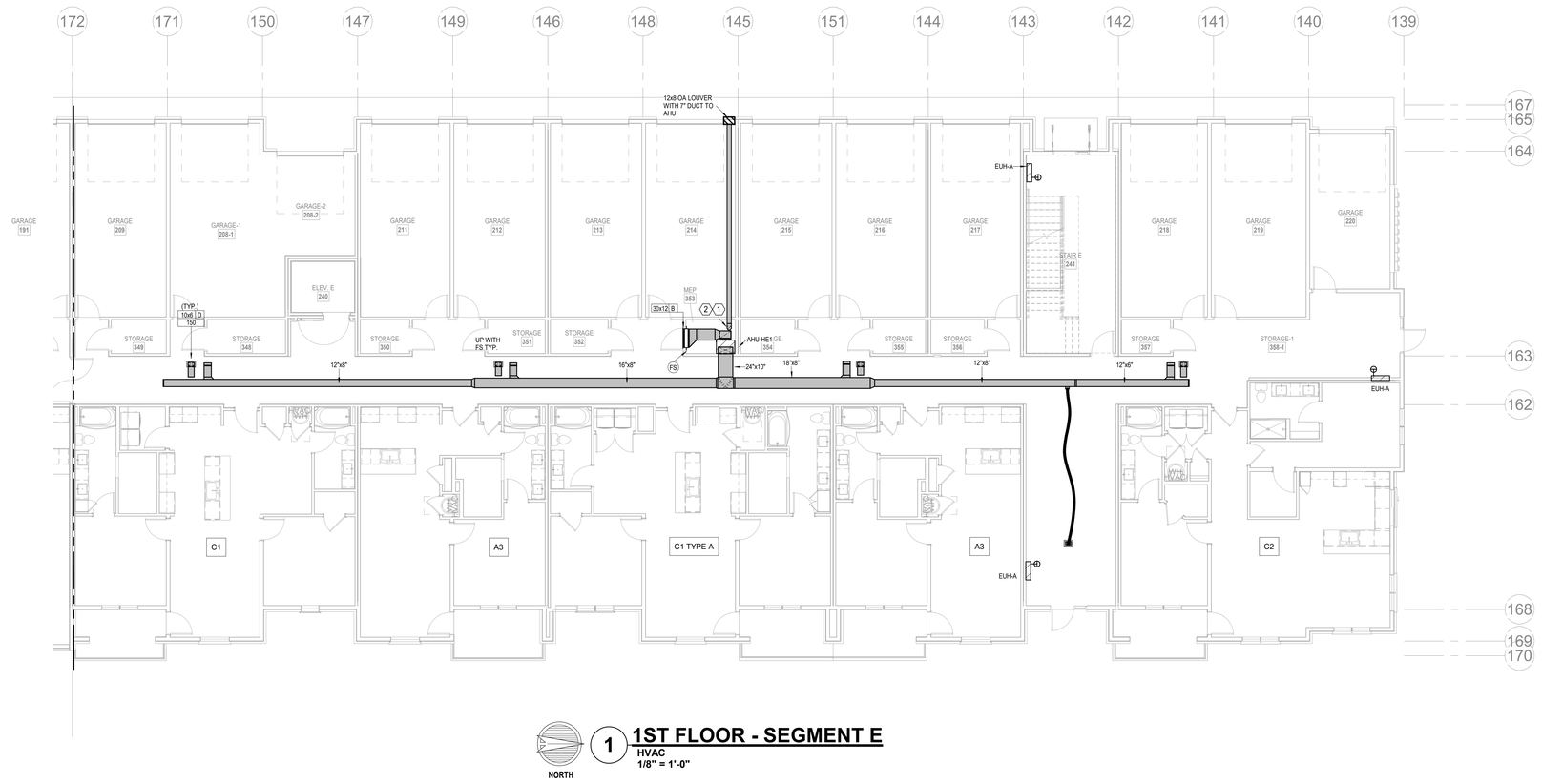
| 5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT. |
| 6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF. |




## 1 1ST FLOOR - SEGMENT E

HVAC

1/8" = 1'-0"

NORTH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ARCHITECTURE
LANDSCAPE ARCHITECTURE
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NUMBER
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03/15/2023

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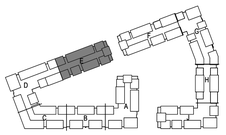
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



NORTH

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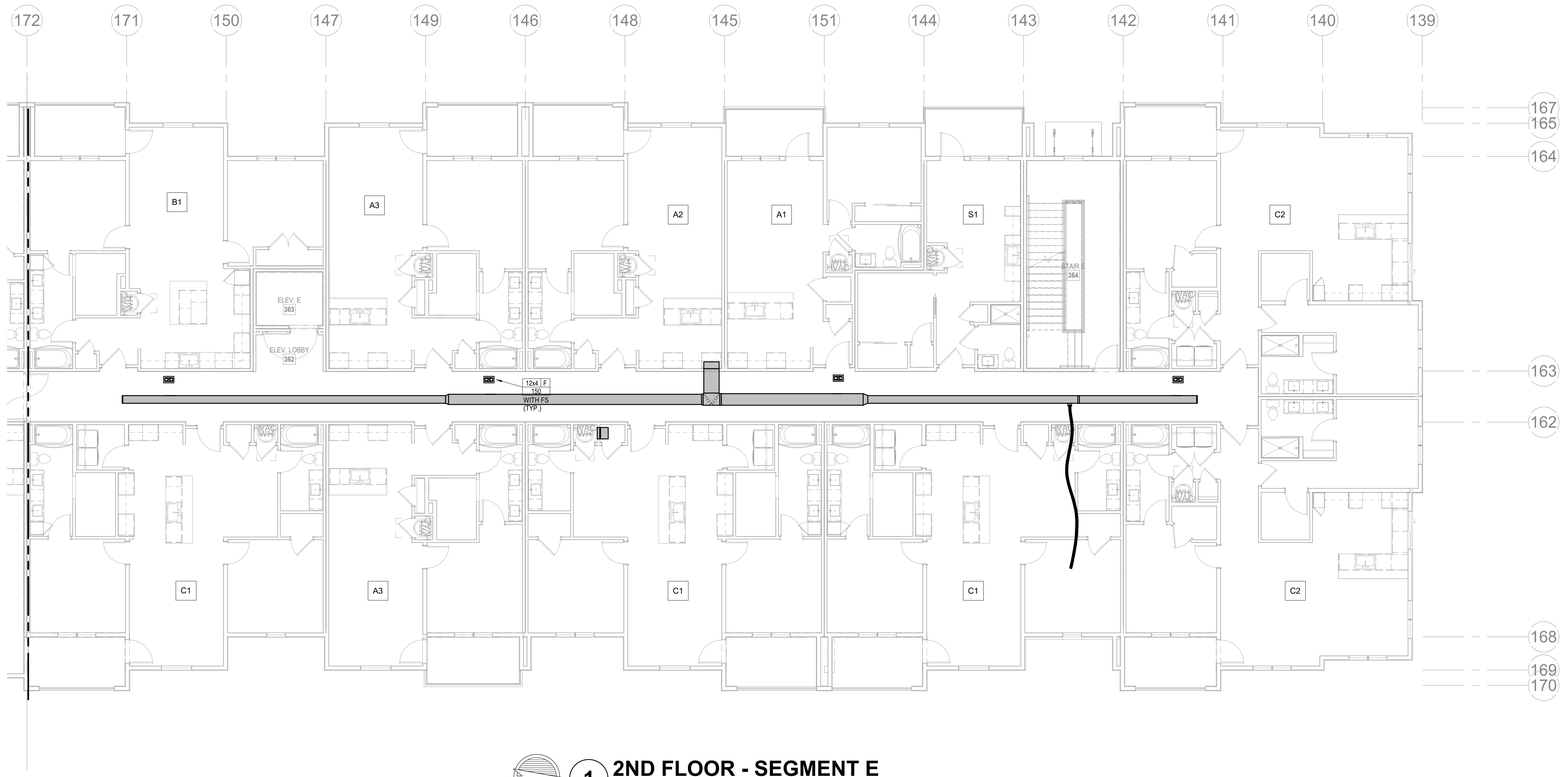
| 5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT. |
| 6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF. |




NORTH

## 1 2ND FLOOR - SEGMENT E

HVAC

1/8" = 1'-0"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ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES
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03/15/2023

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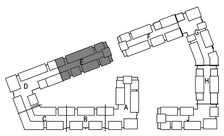
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



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 - 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. |
| 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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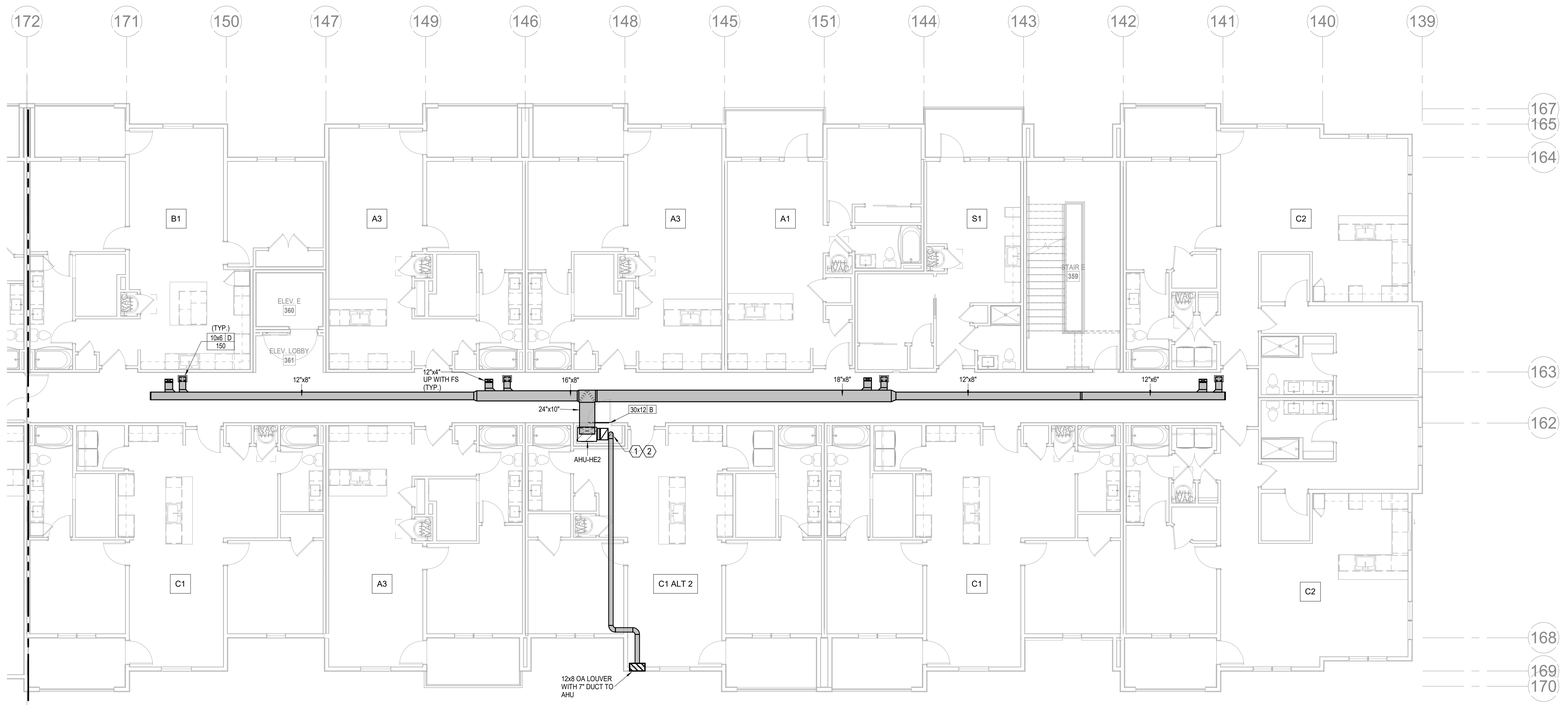
| 4. MAINTAIN 3 FEET CLEARANCE FROM EXHAUST DUCTS TO BUILDING OPENINGS AND 10 FEET TO AIR INTAKES. |
| 5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT. |
| 6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF. |




NORTH

## 1 3RD FLOOR - SEGMENT E

HVAC

1/8" = 1'-0"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LANDSCAPE ARCHITECTURE
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03/15/2023

A NEW RESIDENTIAL COMMUNITY AT:

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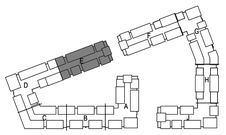
800 & 810 NW WARD RD. | LEE'S SUMMIT, MO

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



NORTH

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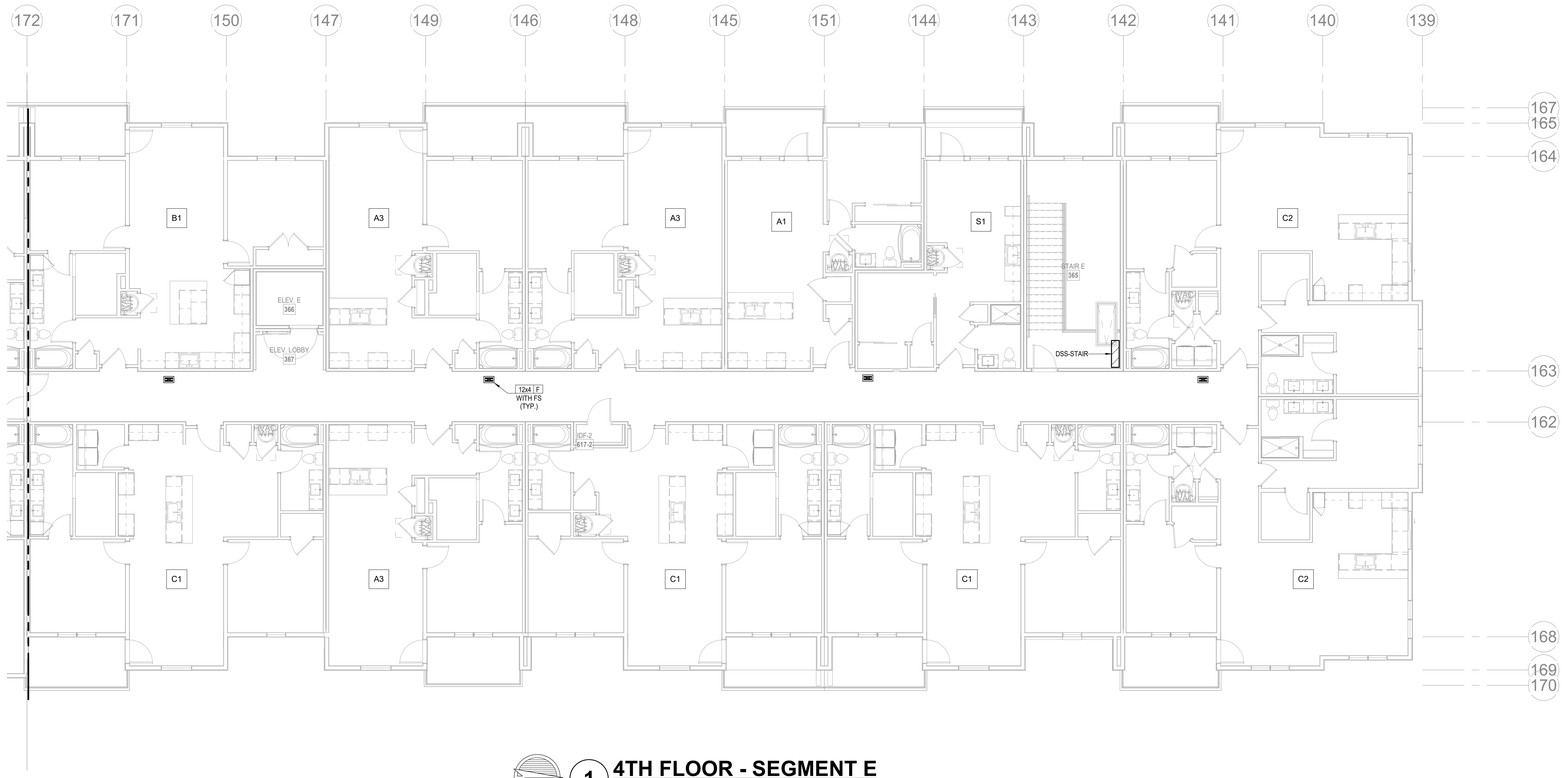
| 5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT. |
| 6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF. |




NORTH

## 1 4TH FLOOR - SEGMENT E

HVAC

1/8" = 1'-0"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RICHARD R. BEARDMORE
NUMBER A-2007018010
PROFESSIONAL ENGINEER

03/15/2023

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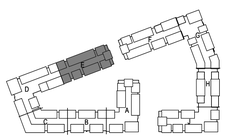
# TRILOGY

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

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



NORTH

KEY PLAN


LS&A
Lattimer 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
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: |
|---|
| 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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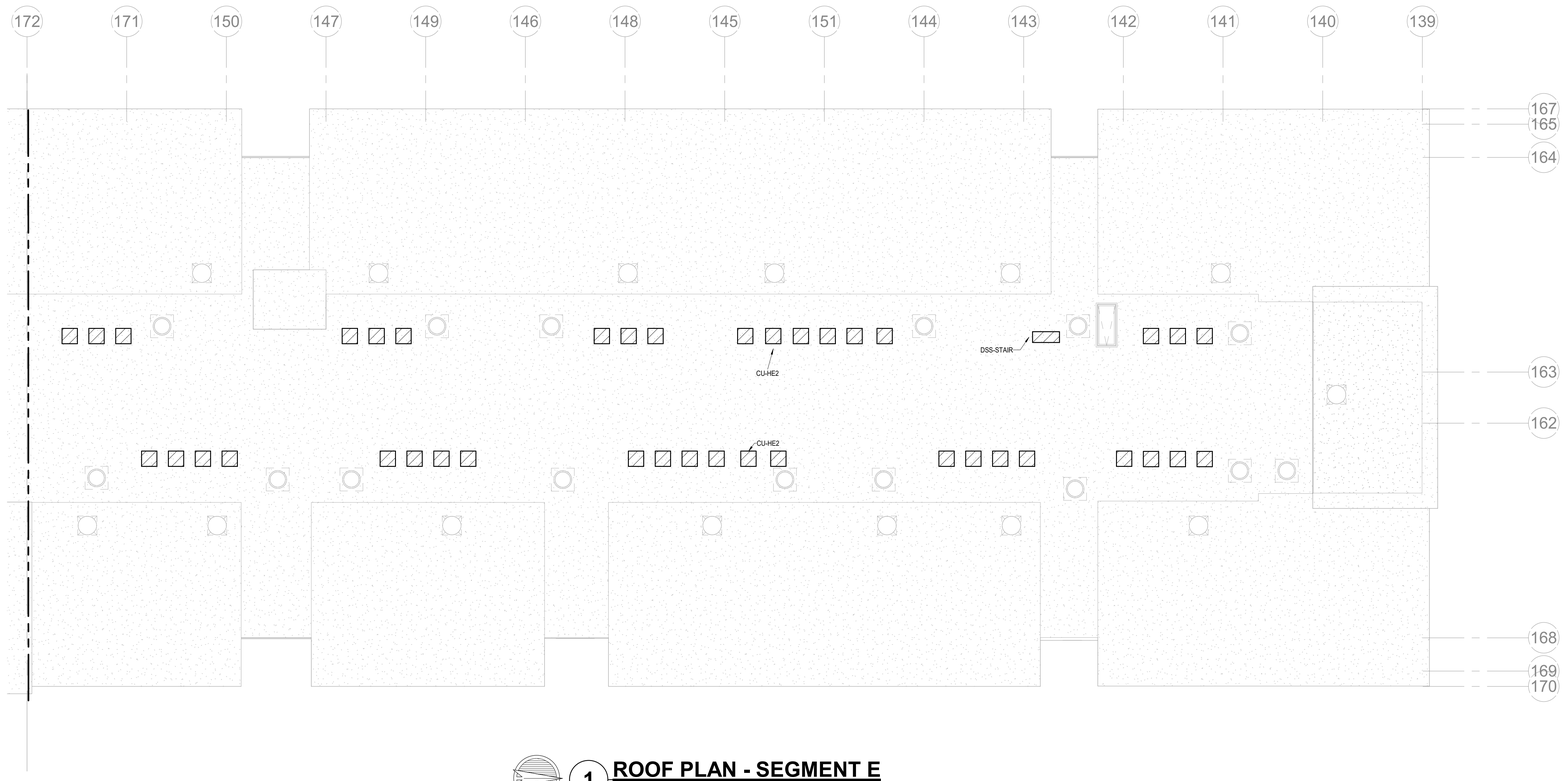
03/15/2023




NORTH

## 1 ROOF PLAN - SEGMENT E

HVAC
1/8" = 1'-0"

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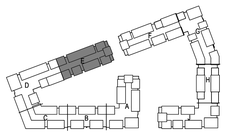

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KEY PLAN

SEGMENT E - ROOF PLAN - HVAC

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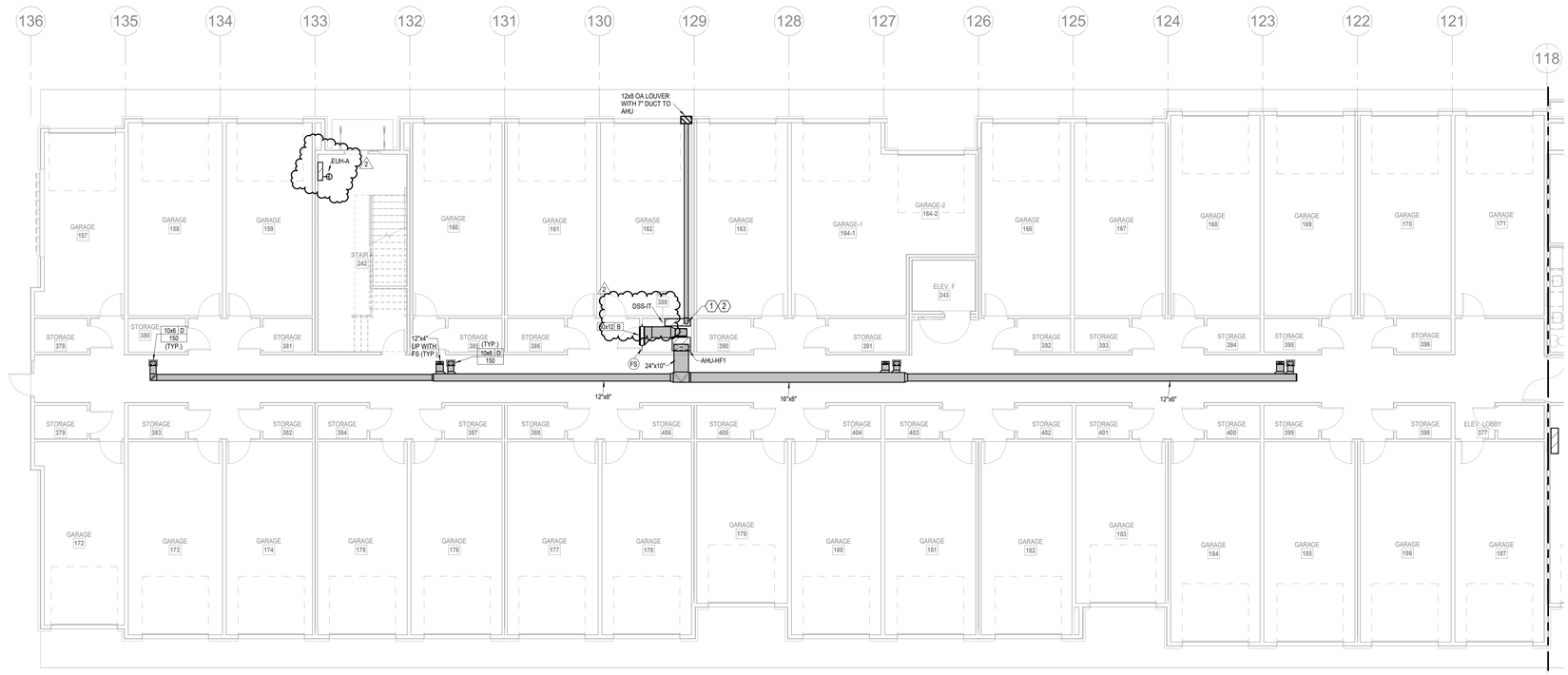
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT E - ROOF PLAN - HVAC
SHEET NO. M1.23

4/13/2023 9:09:07 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. |

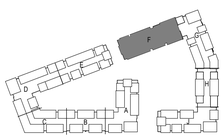



## 1 1ST FLOOR - SEGMENT F

HVAC

1/8" = 1'-0"

NORTH




NORTH

## KEY PLAN

NO SCALE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NUMBER
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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


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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 - 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.
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6. FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 15 FEET AND SHALL BE AS STRAIGHT AS POSSIBLE AND NOT KINKED AT DIFFUSER OR TAKE-OFF.

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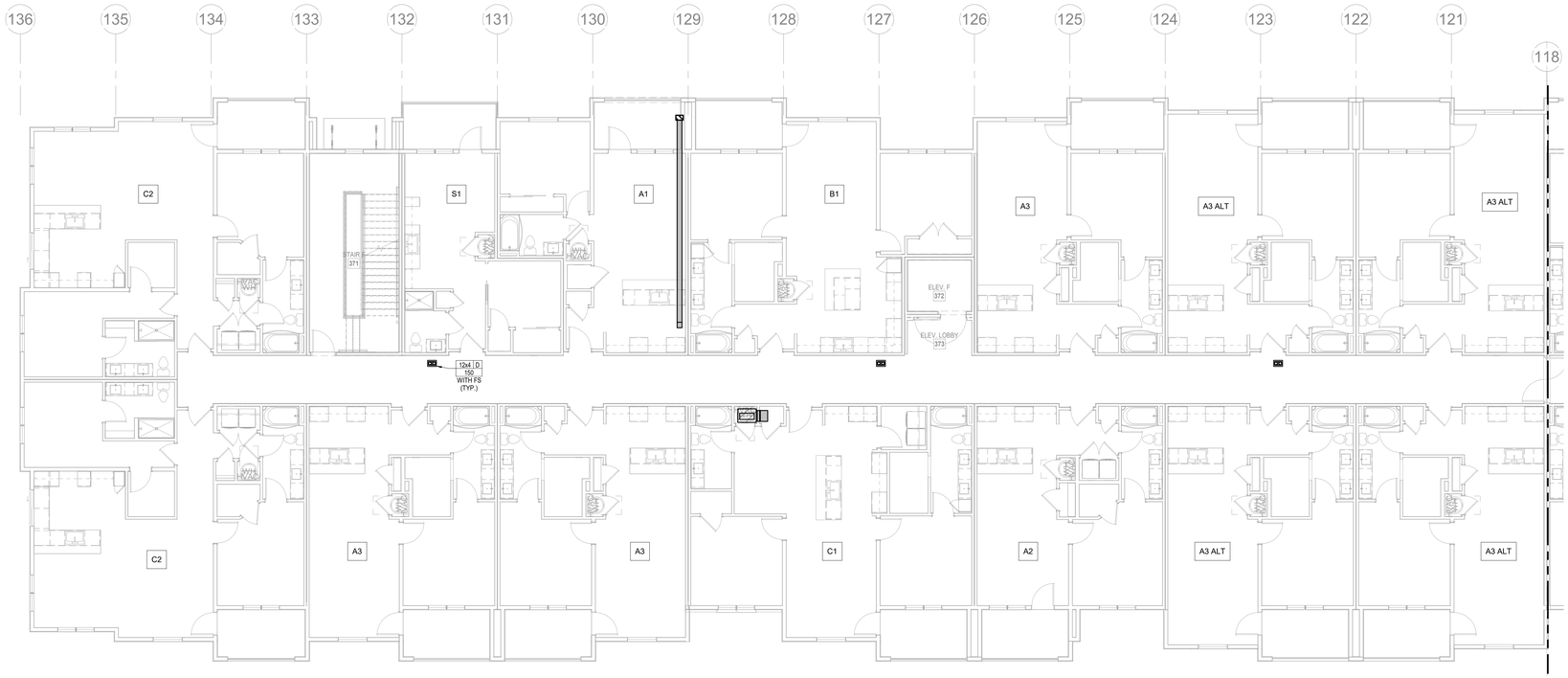
03/15/2023




NORTH

## 1 2ND FLOOR - SEGMENT F

HVAC
1/8" = 1'-0"

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# TRILOGY

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DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

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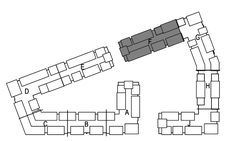

NORTH

KEY PLAN

LS&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
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. |
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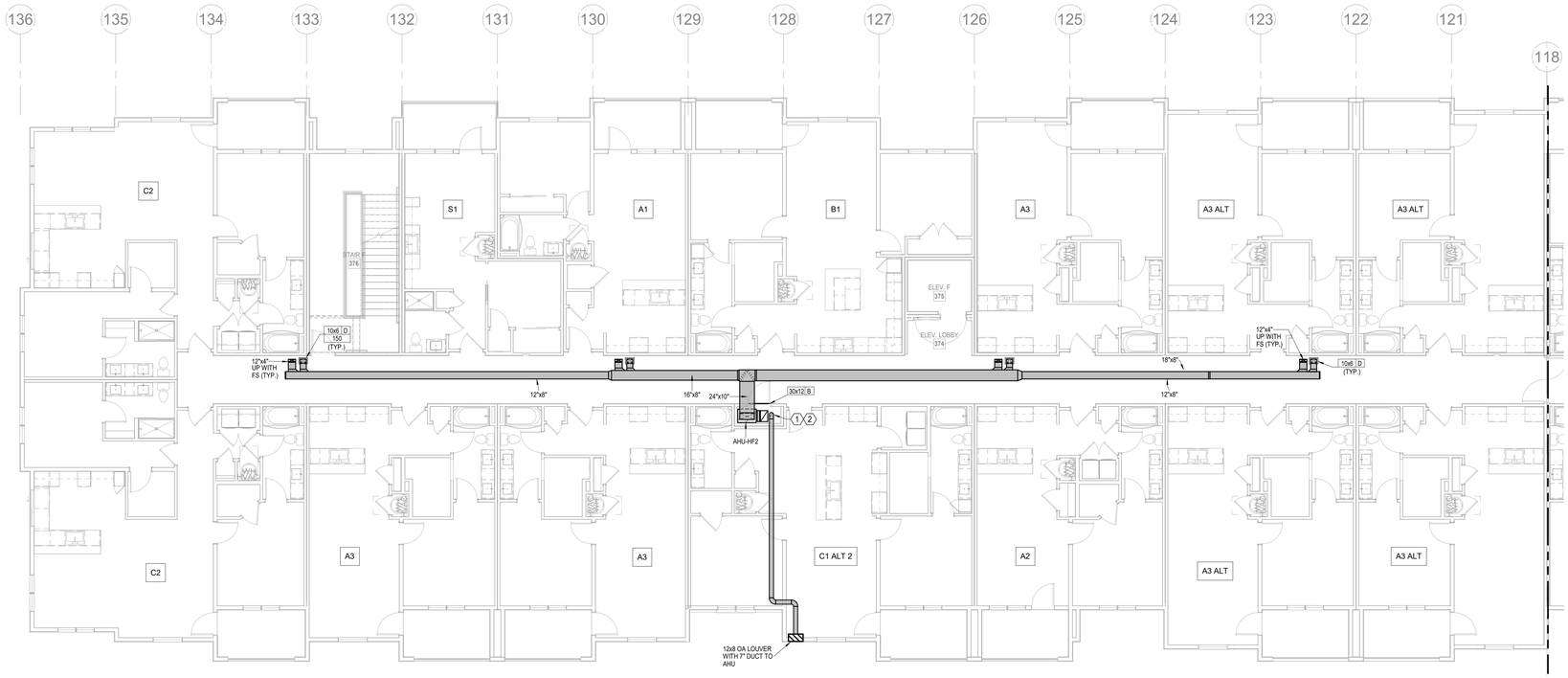


NORTH

## 1 3RD FLOOR - SEGMENT F

HVAC

1/8" = 1'-0"


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NUMBER
PROFESSIONAL ENGINEER

03/15/2023

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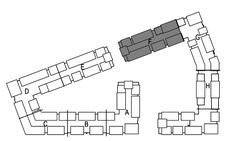
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



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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 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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| 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
PROFESSIONAL ENGINEER

03/15/2023

NORTH

## 1 4TH FLOOR - SEGMENT F

HVAC
1/8" = 1'-0"

A NEW RESIDENTIAL COMMUNITY AT:

# TRILOGY

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- 03.15.2023 - PERMIT SUBMITTAL

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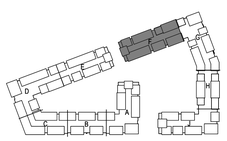

NORTH

KEY PLAN

DISCARD PLAN


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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
4/11/2023 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: |
|---|
| 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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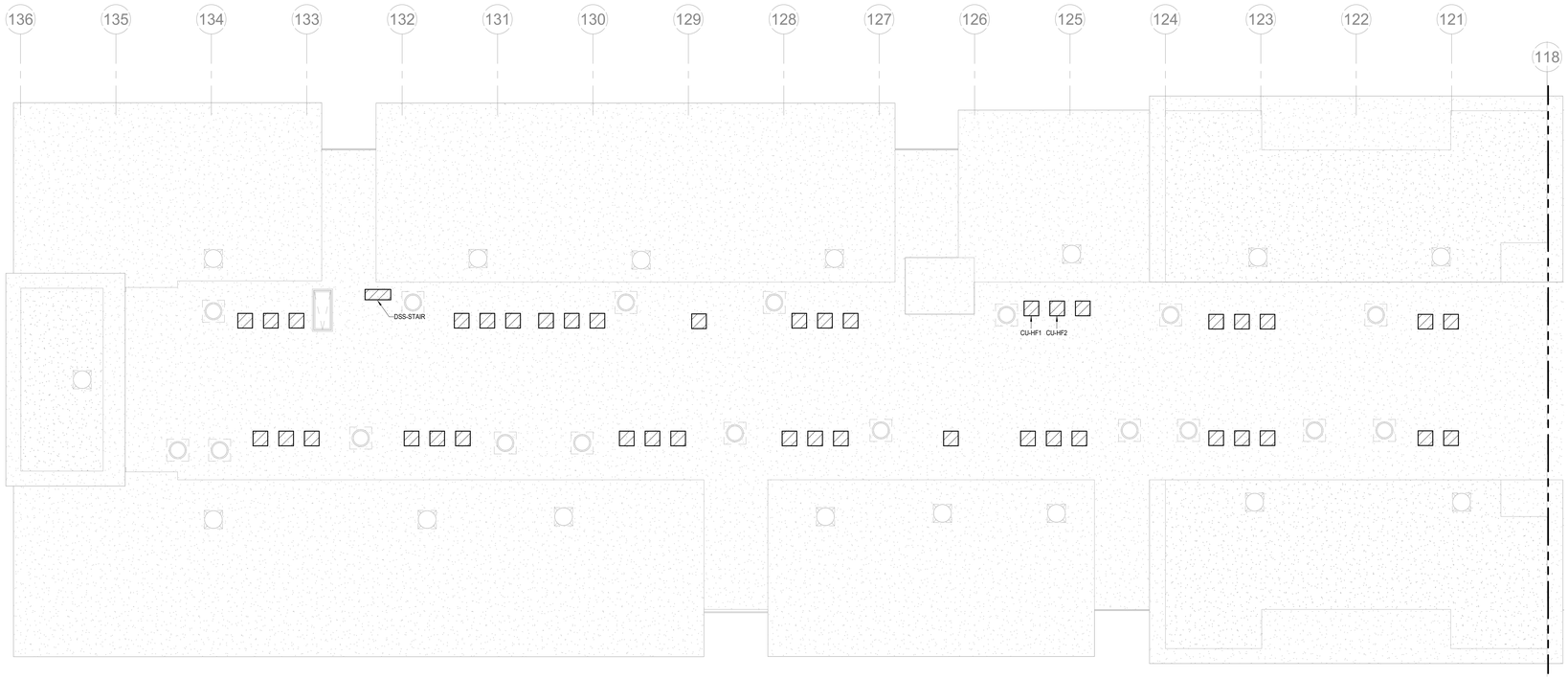
03/15/2023




NORTH

## 1 ROOF PLAN - SEGMENT F

HVAC
1/8" = 1'-0"

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• 03.15.2023 - PERMIT SUBMITTAL

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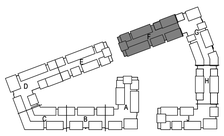


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KEY PLAN


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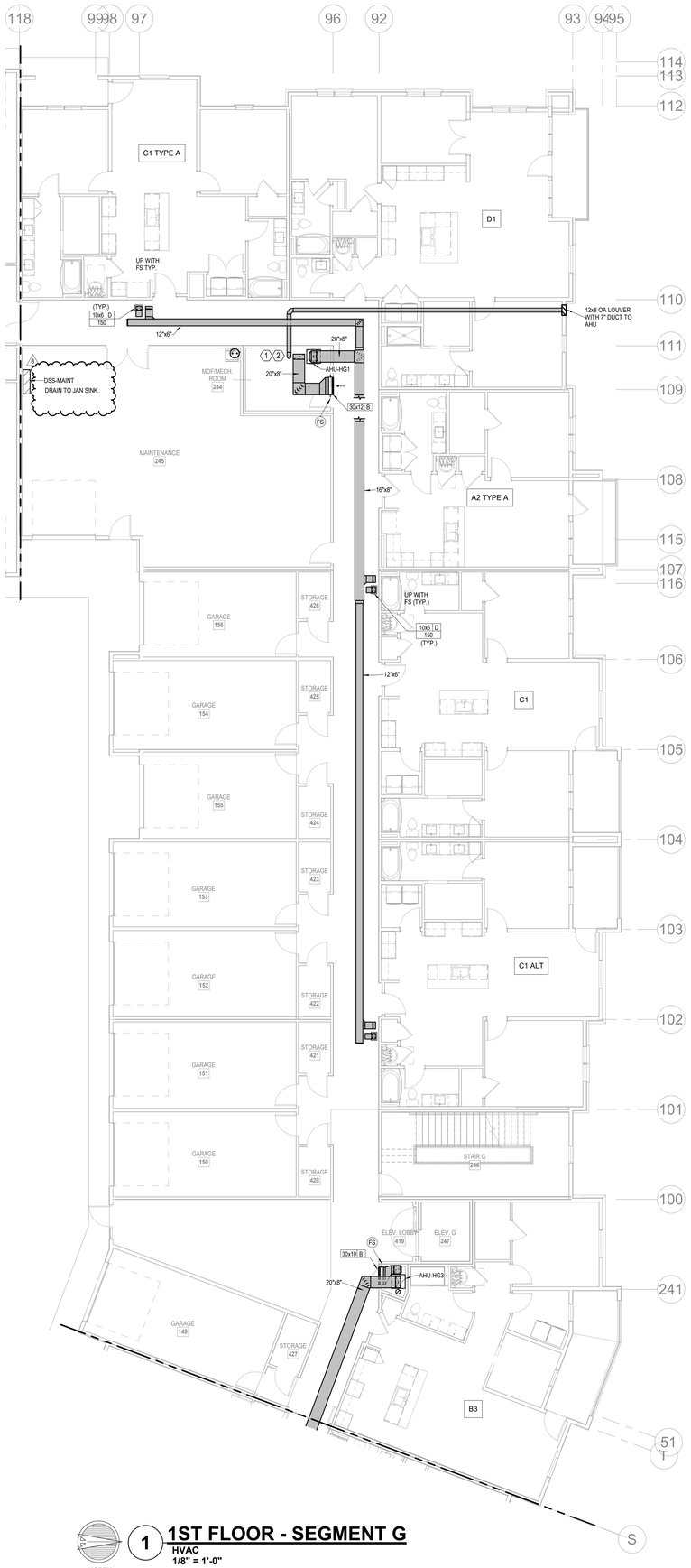
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

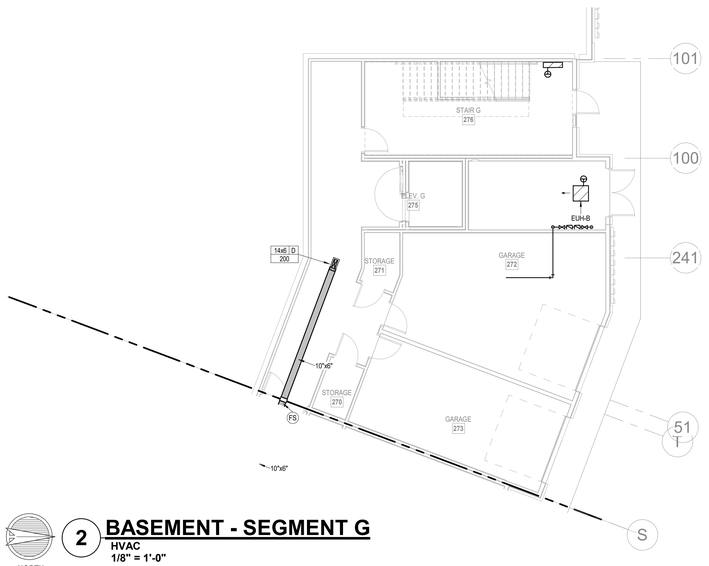

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME SEGMENT F - ROOF PLAN - HVAC
SHEET NO. M1.28

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:**

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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.

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RICHARD R. BEARDMORE
NUMBER A-2007018744
PROFESSIONAL ENGINEER
6/9/2023

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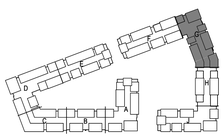
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH
**KEY PLAN**
NO SCALE

△REVISIONS
8 23-08-11 ASI 4

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CONSULTING ENGINEERS
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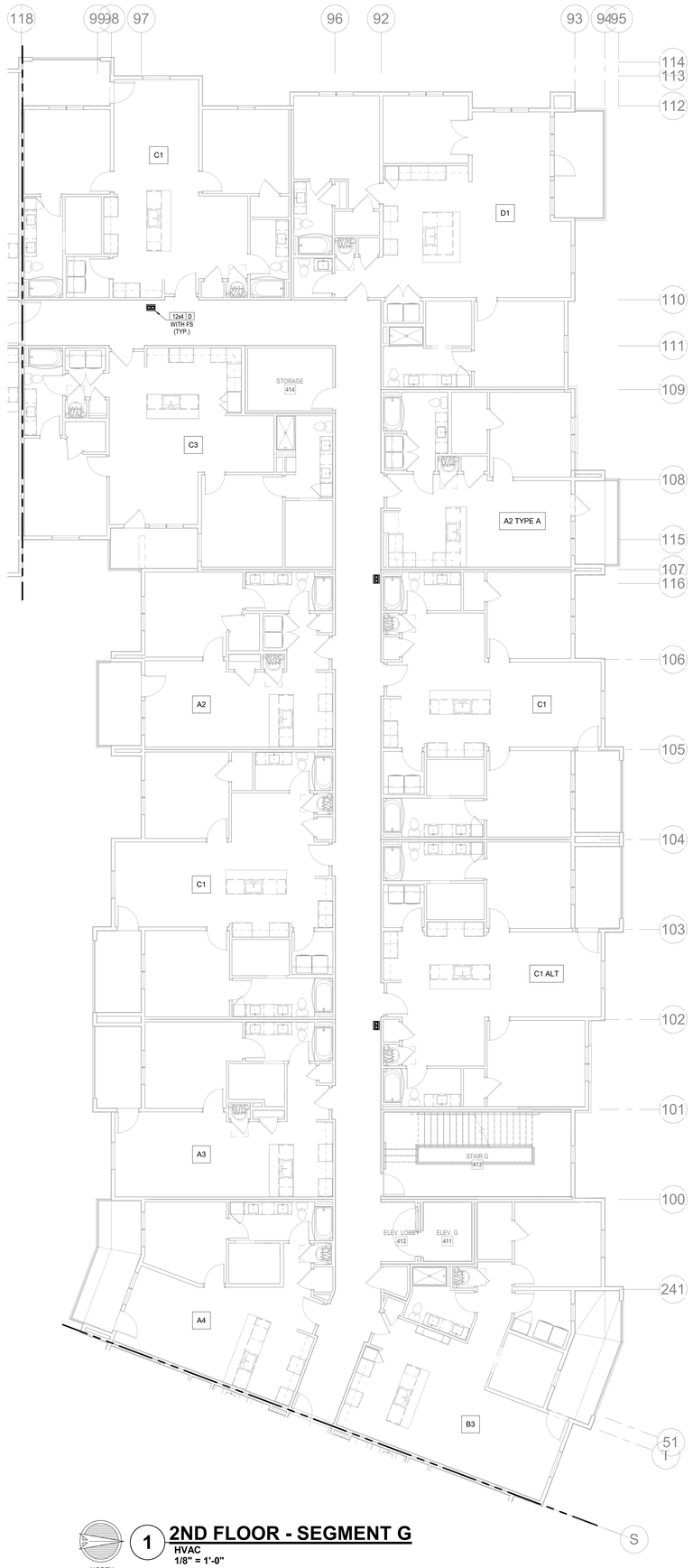
8628 College Boulevard, Suite 103
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

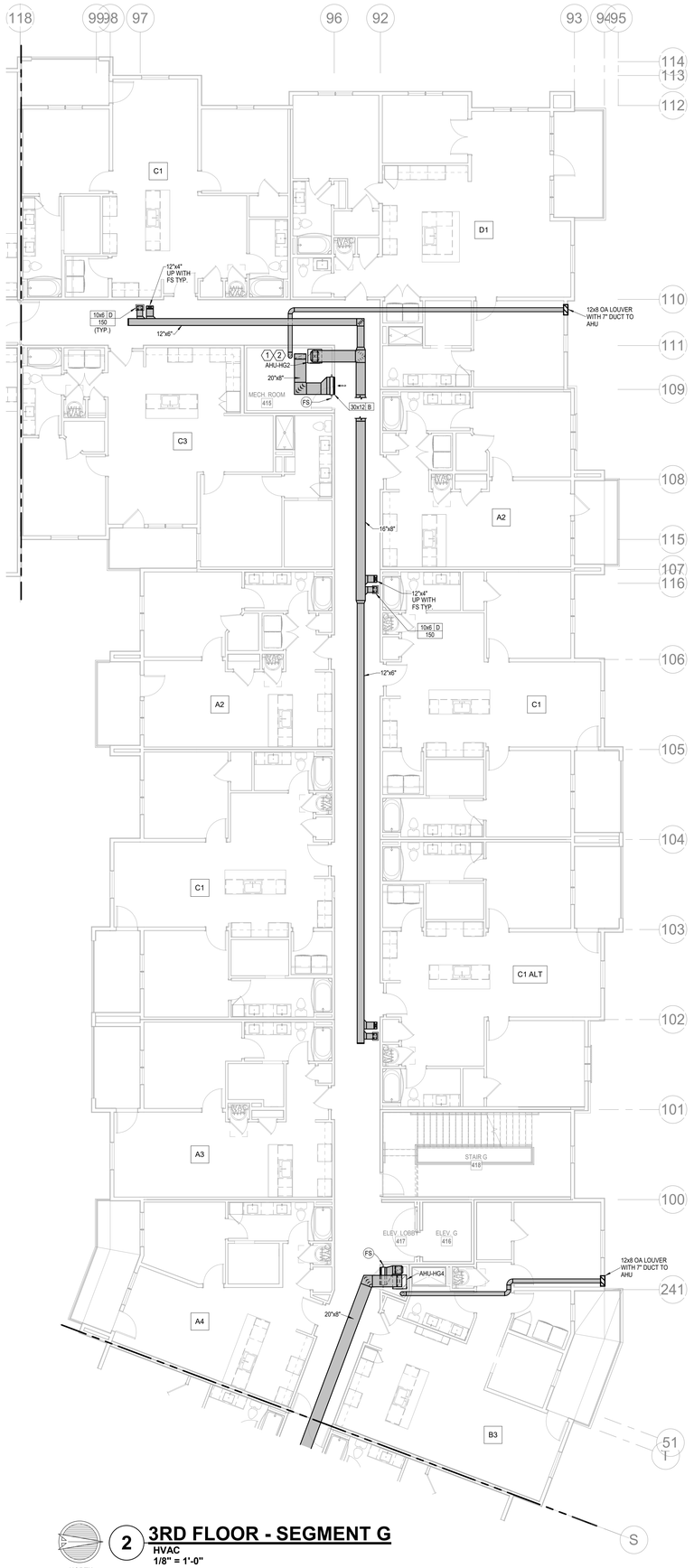
8/1/2023 2:20:01 PM

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.
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NSPJ
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RICHARD R. BEARDMORE
NUMBER A-2007018744
PROFESSIONAL ENGINEER
03/15/2023

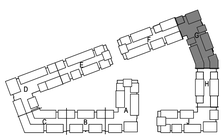
A NEW RESIDENTIAL COMMUNITY AT:

# TRILOGY

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

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS



KEY PLAN


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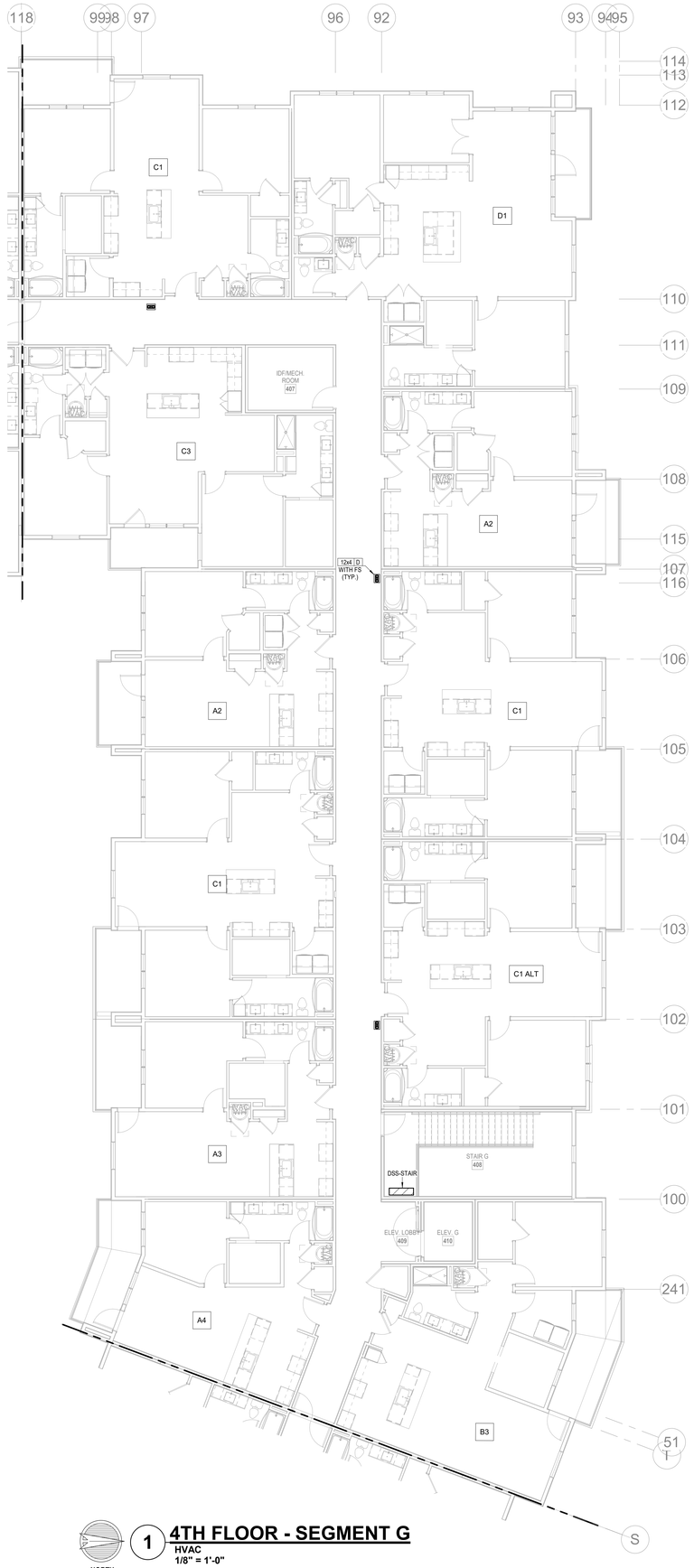
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


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

4/13/2023 9:09:23 PM

ARCH E1.30" x 42"

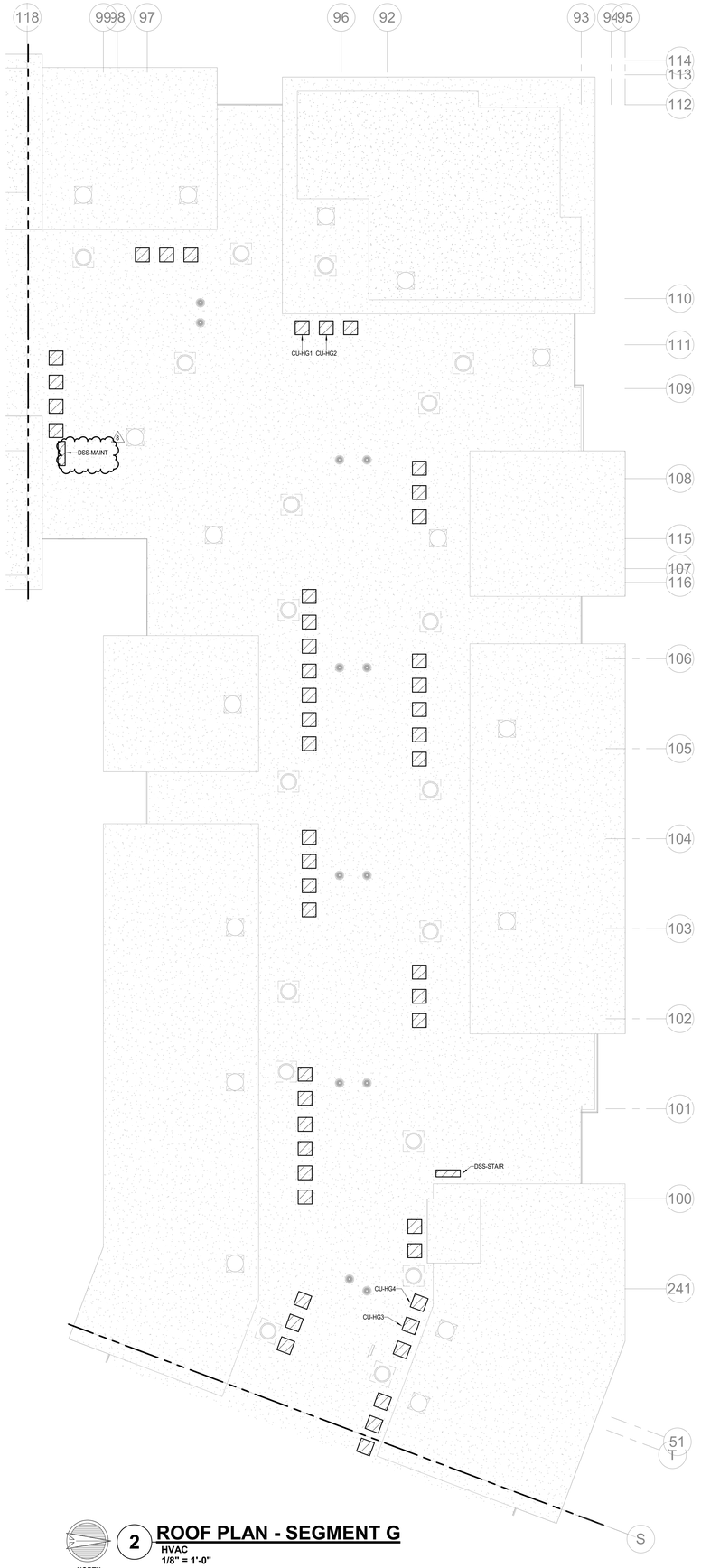



NORTH

## 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. |
| 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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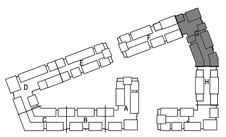

NORTH

## 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


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LSA PROJECT NO. 2204061


8/10/2023 2:20:05 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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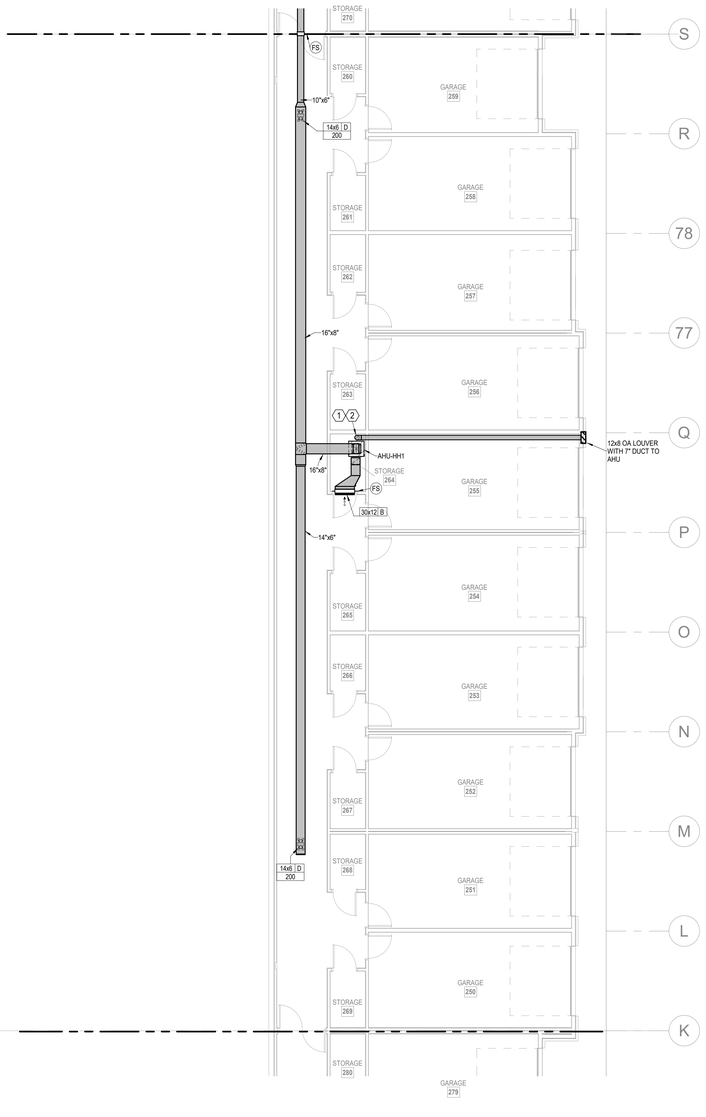


NORTH

## 1 1ST FLOOR - SEGMENT H

HVAC

1/8" = 1'-0"

NORTH

## 2 BASEMENT - SEGMENT H

HVAC

1/8" = 1'-0"


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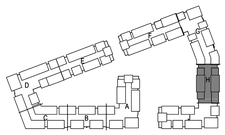


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JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS

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. |
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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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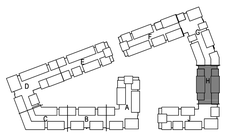


NORTH
KEY PLAN

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"

| NOTES: |
|---|
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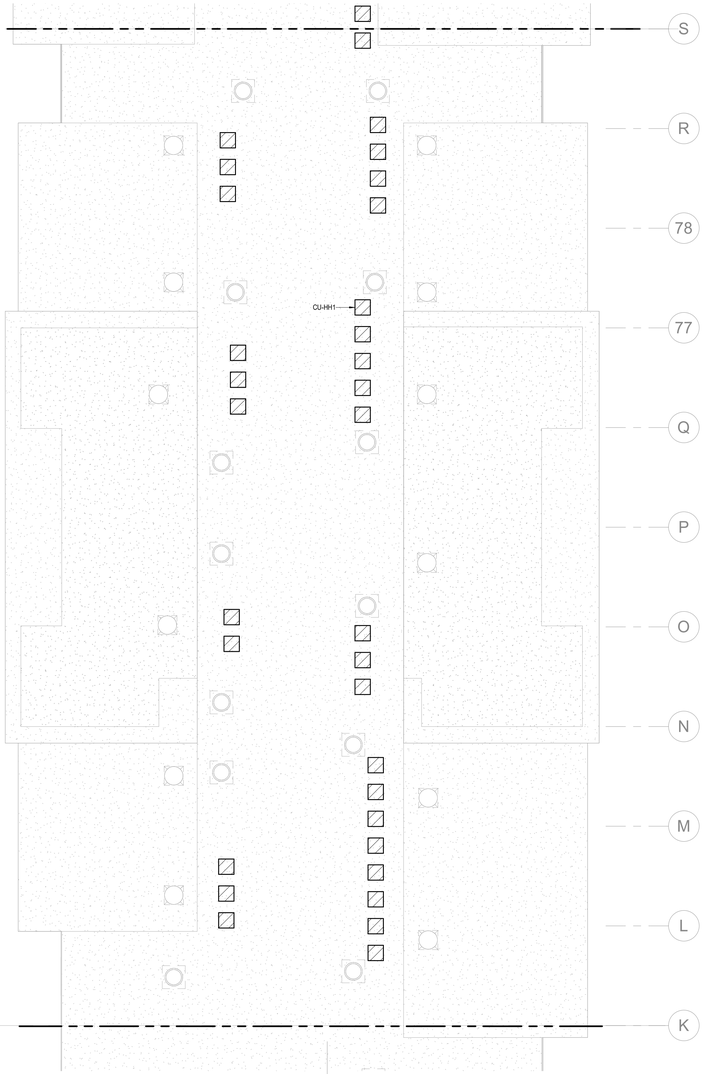


NORTH

## 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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03/15/2023

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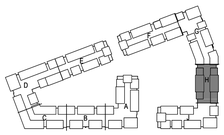

NORTH

KEY PLAN

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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

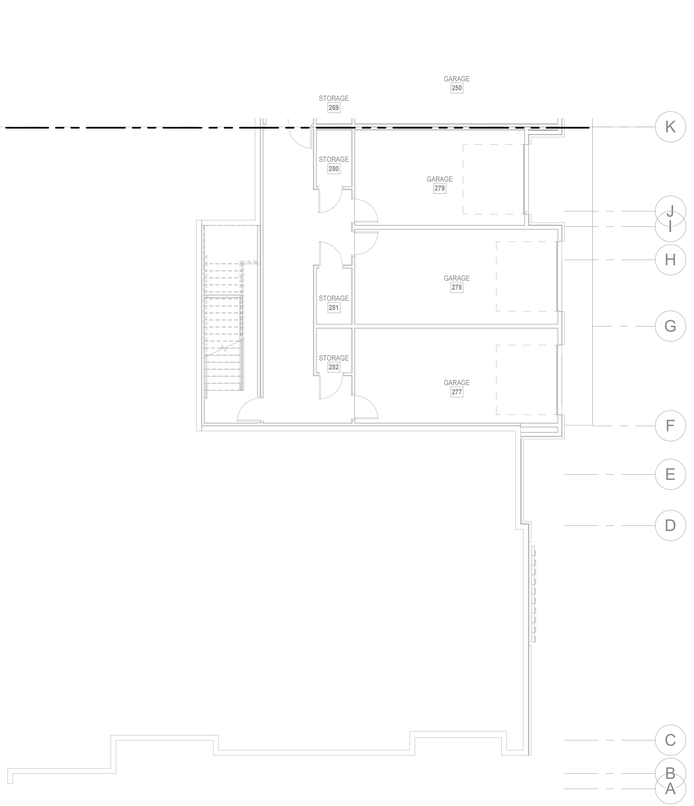
ARCH E1.35" x 42"

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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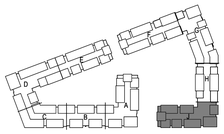

NORTH

## KEY PLAN

NO SCALE

△ REVISIONS
1 23-08-11 ASI 4


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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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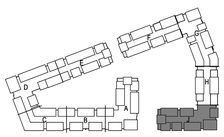


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DATE 03.15.2023
DRAWN BY LSA CAD

4/11/2023
CITY COMMENTS

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

SHEET NO.
M1.36

4/13/2023 9:09:40 PM

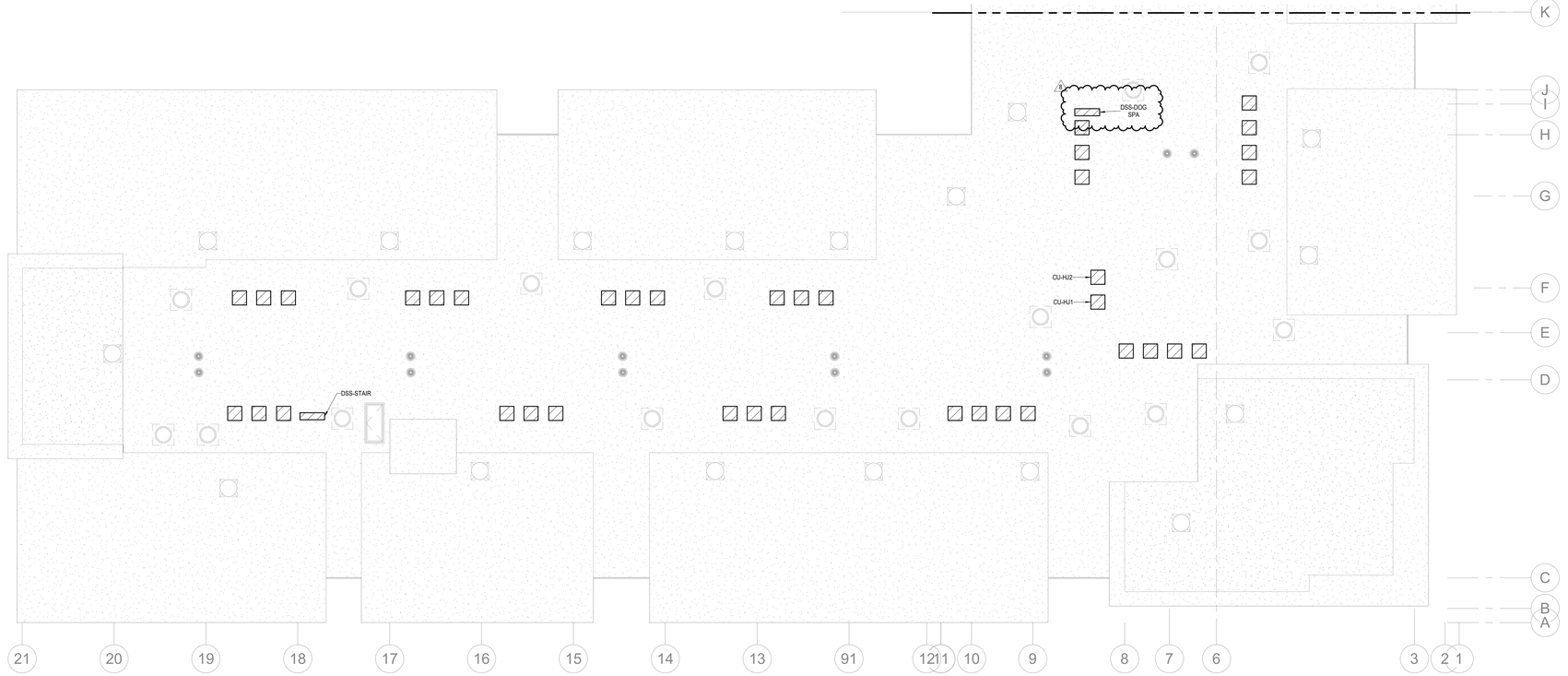
ARCH E1.30" x 42"

NORTH

## 1 4TH FLOOR - SEGMENT J

HVAC

1/8" = 1'-0"




NORTH

## 2 ROOF PLAN - SEGMENT J

HVAC

1/8" = 1'-0"

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|---|
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| 5. ROUTE NO DUCTS OVER ELECTRICAL EQUIPMENT. |
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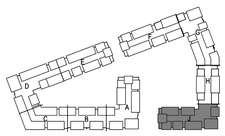

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## KEY PLAN

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

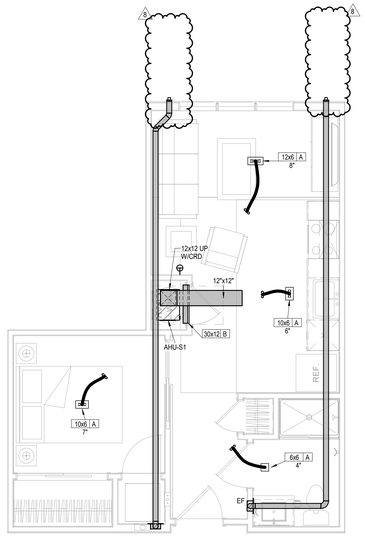
SHEET NAME
SEGMENT J - 4TH FLOOR & ROOF PLAN - HVAC

SHEET NO.
M1.37

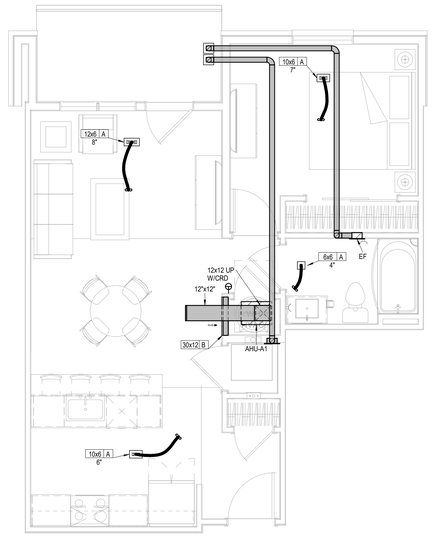
8/10/2023 2:20:07 PM

ARCH E1.30" x 42"

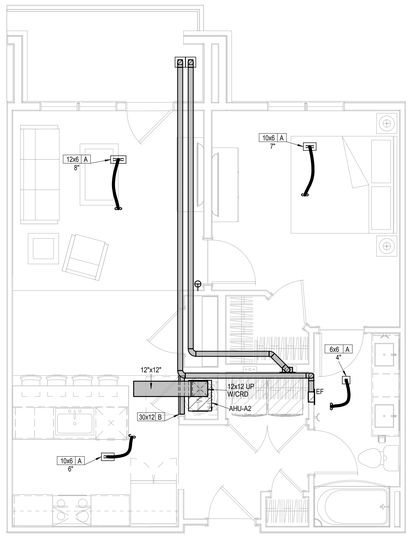
| UNIT MECHANICAL NOTES: | |
|---|---|
| 1. | ALL TYPE "A" SUPPLY REGISTERS HAVE A UL555C CEILING RADIATION DAMPER UNLESS NOTED OTHERWISE. PROVIDE CRD UNLESS NOTED OTHERWISE AT AHU DISCHARGE AND RATED MEMBRANE. |
| 2. | PROVIDE MANUFACTURER REQUIRED CLEARANCES FOR AHU'S AND WATER HEATERS. |
| 3. | ALL 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. |



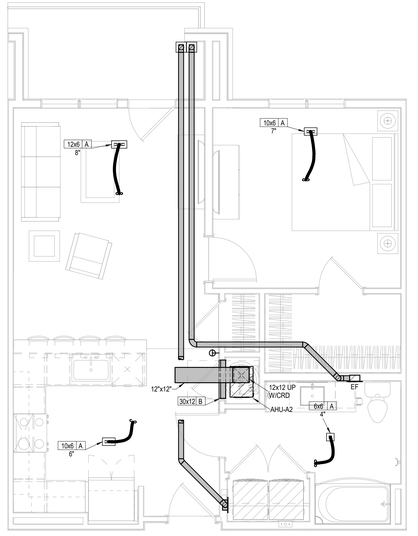

## 1 UNIT S1
**HVAC**
**1/4" = 1'-0"**



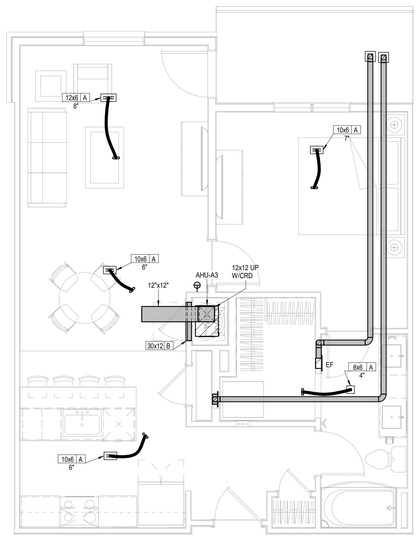

## 2 UNIT A1
**HVAC**
**1/4" = 1'-0"**



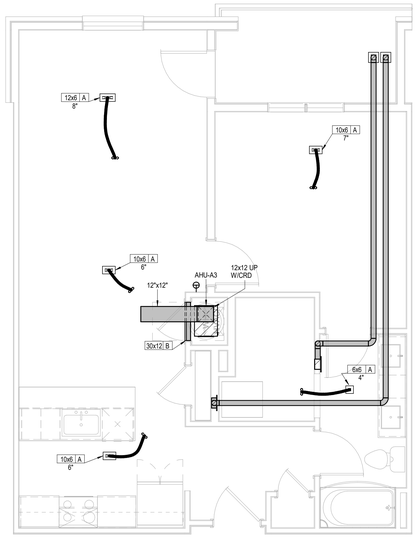

## 3 UNIT A2
**HVAC**
**1/4" = 1'-0"**



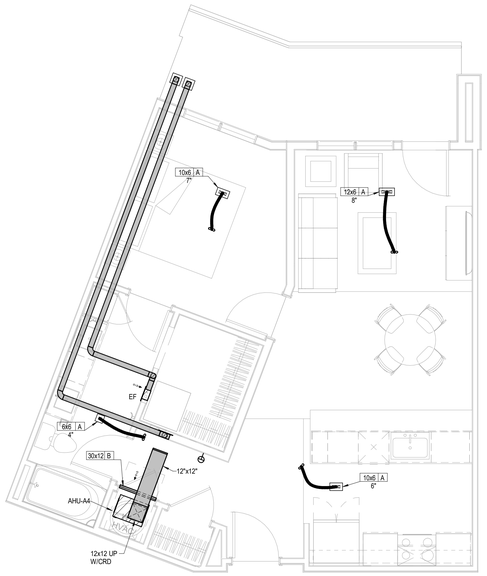

## 4 UNIT A2 TYPE A
**HVAC**
**1/4" = 1'-0"**



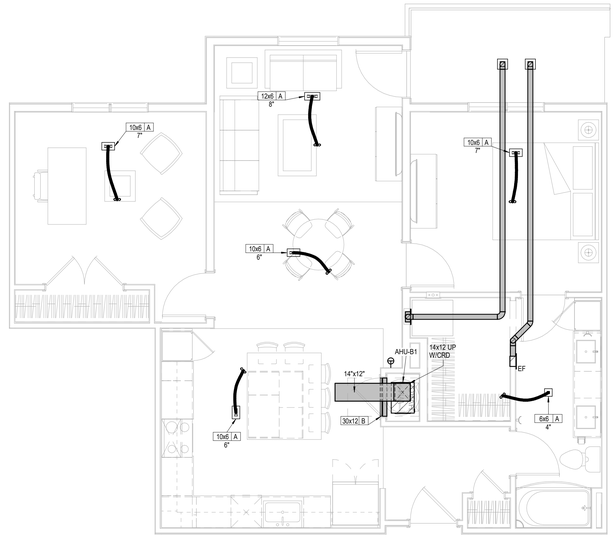

## 5 UNIT A3
**HVAC**
**1/4" = 1'-0"**




## 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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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
1 23-08-11 ASI 4


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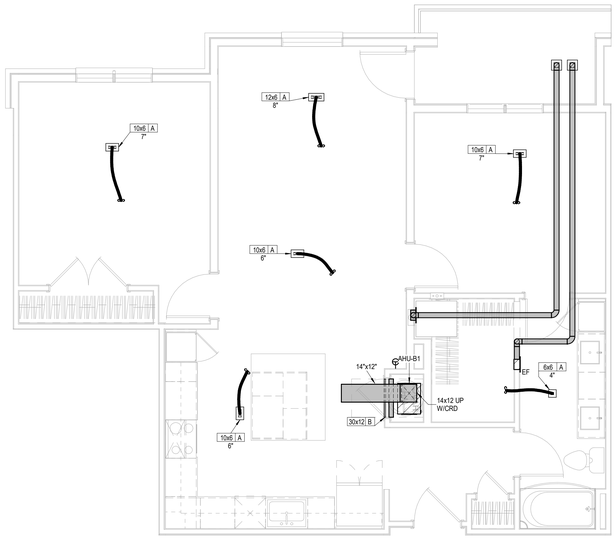
LSA PROJECT NO. 2204061

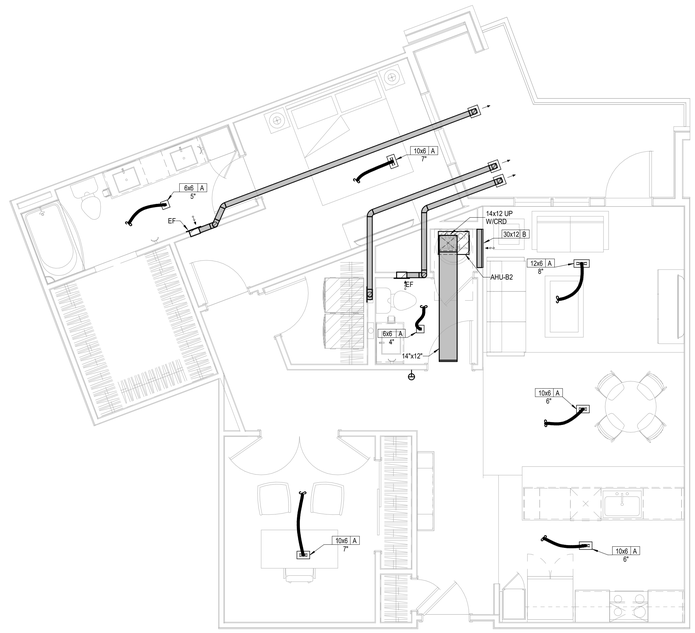

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - HVAC
SHEET NO. M2.01

8/10/2023 2:20:19 PM

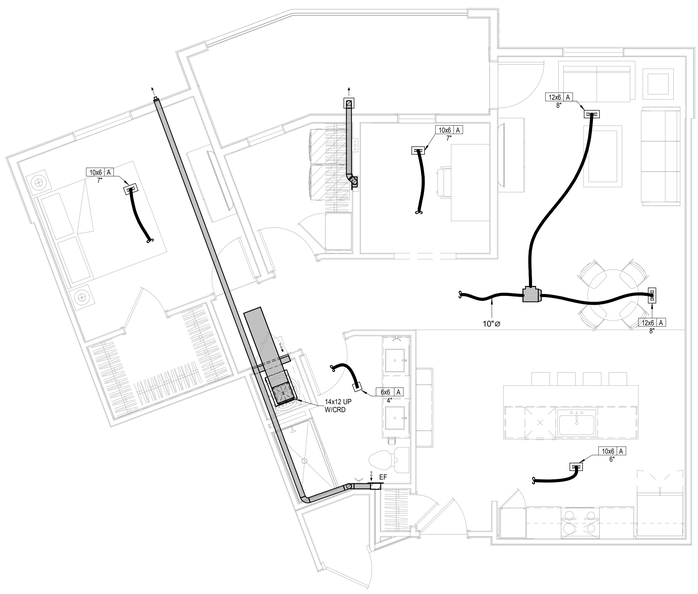
ARCH E1.30" x 42"



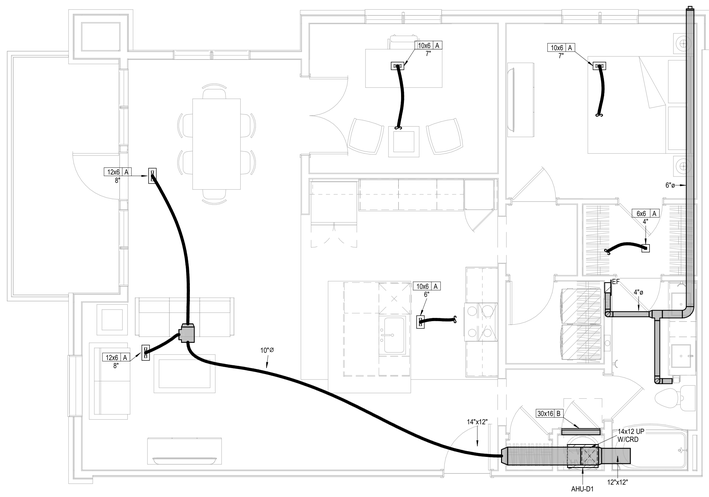

## 1 UNIT B1 ALT
**HVAC**
**1/4" = 1'-0"**




## 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. |
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NUMBER A-2007018766
PROFESSIONAL ENGINEER
03/15/2023

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DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS


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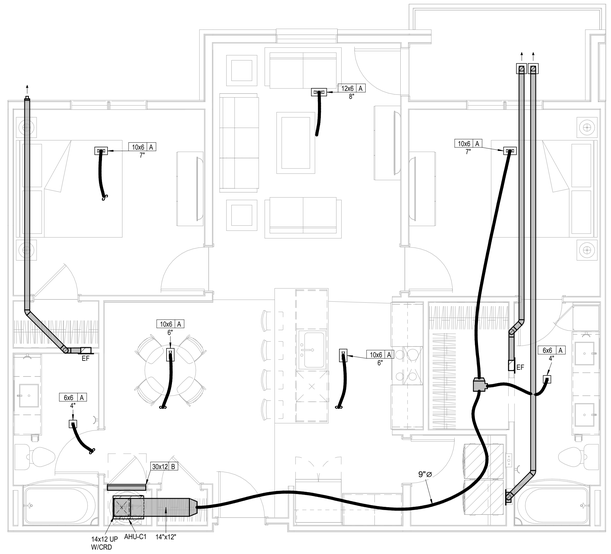
LSA PROJECT NO. 2204061

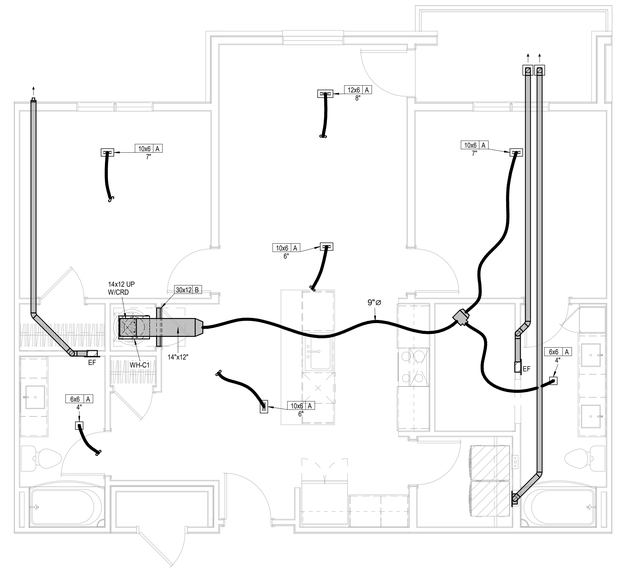

JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME UNIT PLANS - HVAC
SHEET NO. M2.02

4/13/2023 5:09:52 PM

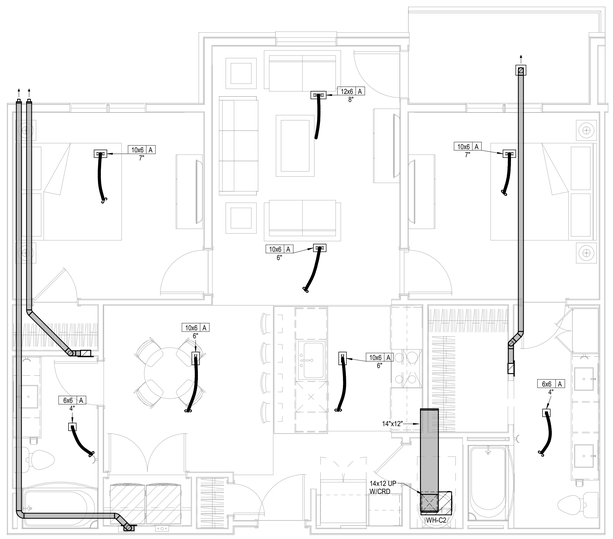
ARCH E1.30" x 42"



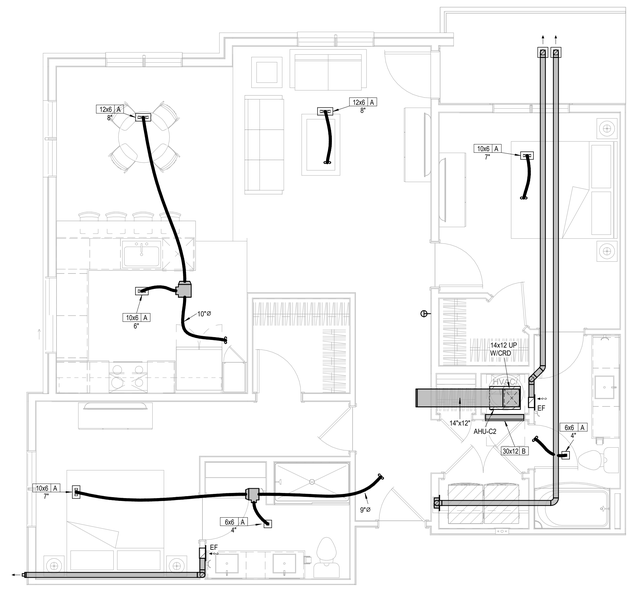

## 1 UNIT C1
**HVAC**
**1/4" = 1'-0"**
**C1 ALT SIMILAR**




## 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. |
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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

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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 - HVAC
SHEET NO. M2.03

4/13/2023 5:05:56 PM

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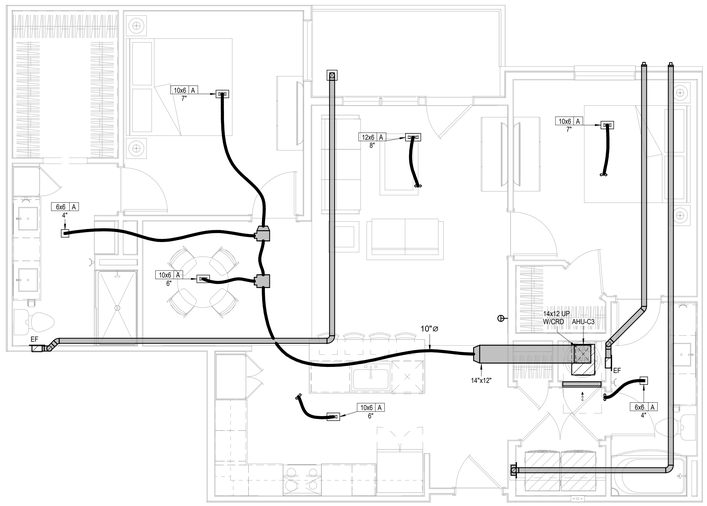
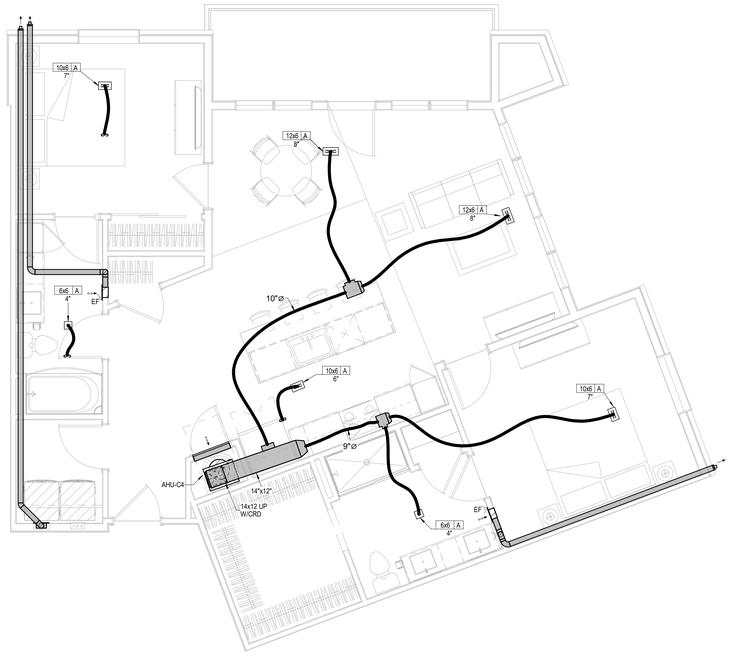
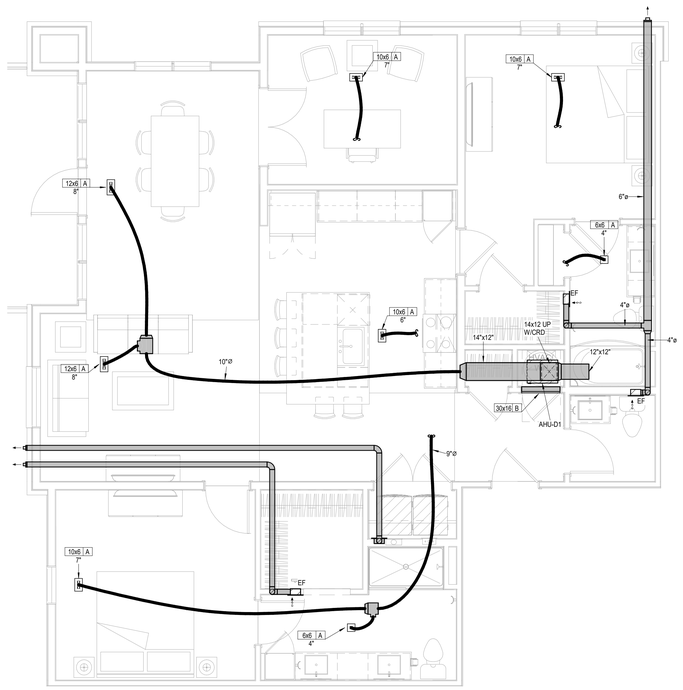



1 **UNIT C3**
HVAC
1/4" = 1'-0"




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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• 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. M2.04

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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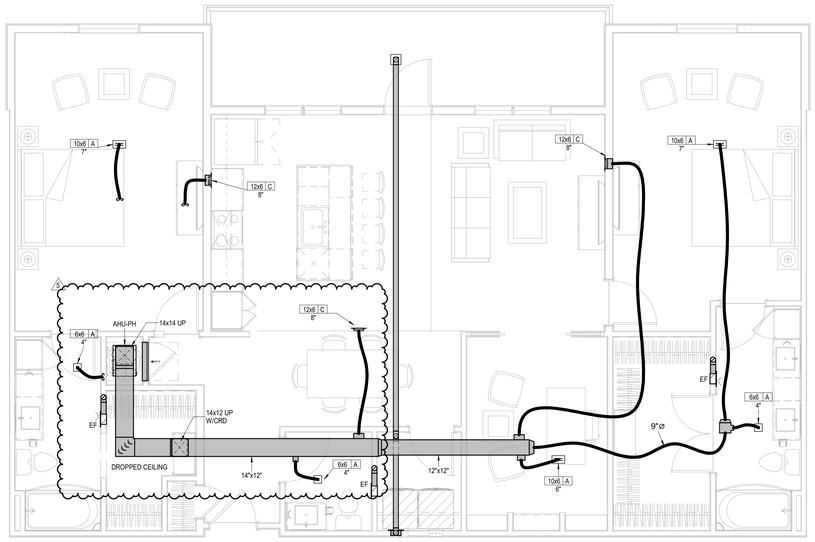
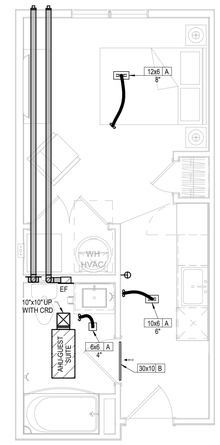



## 1 PENTHOUSE
**HVAC**
**1/4" = 1'-0"**




## 2 UNIT - GUEST SUITE
**HVAC**
**1/4" = 1'-0"**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5 23-06-09 ASI 1


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SHEET NAME UNIT PLANS - HVAC
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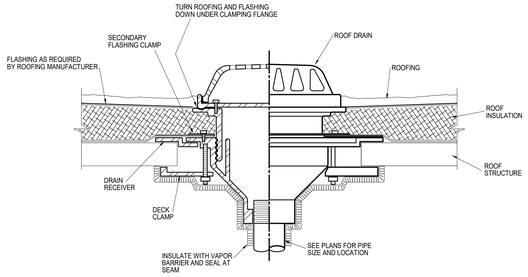
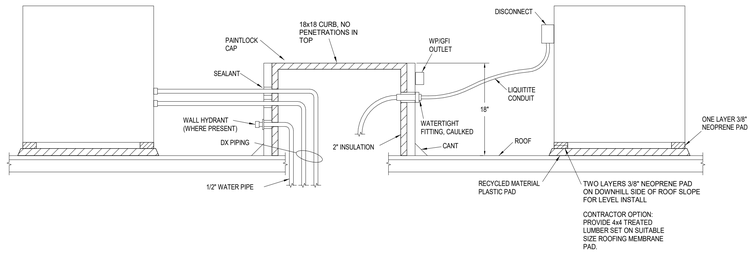
6/12/2023 5:48:16 PM

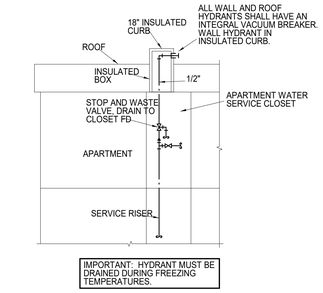
ARCH E1.30" x 42"



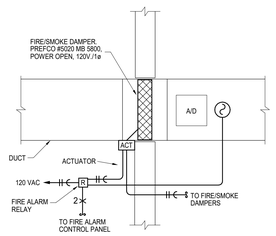

## 1 ROOF DRAIN DETAIL
NOT TO SCALE



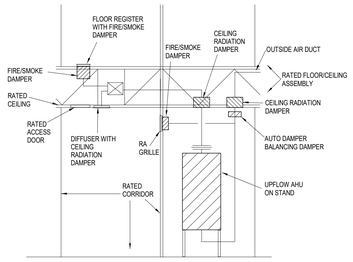

## 2 ROOF MOUNTED CONDENSING UNIT DETAIL
NOT TO SCALE



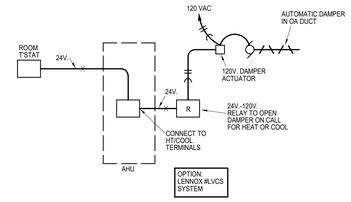

## 3 ROOF WATER HYDRANT DETAIL
NOT TO SCALE



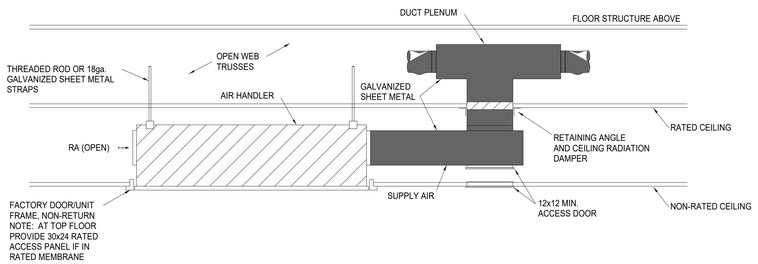

## 4 FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE



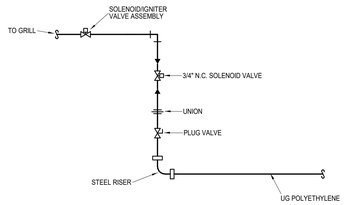

## 5 CORRIDOR AHU DETAIL
NOT TO SCALE



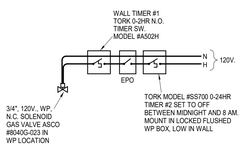

## 6 OUTSIDE AIR DAMPER CONTROL SCHEMATIC HVAC
NOT TO SCALE



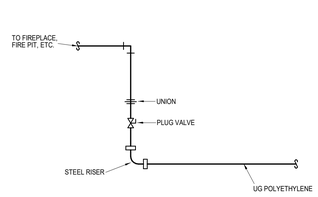

## 7 RECESSED LOW PROFILE AHU
NOT TO SCALE




PIPING SCHEMATIC




CONTROL SCHEMATIC
(GRILL)

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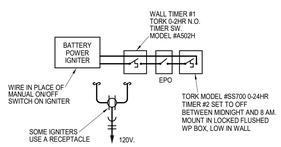
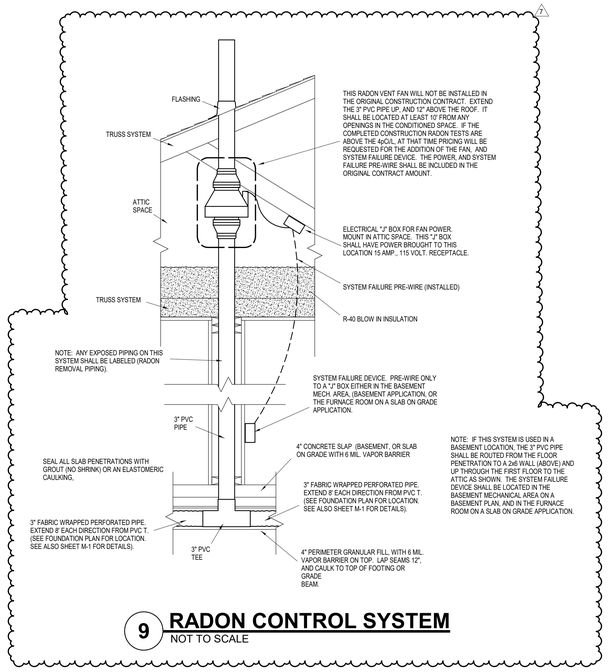



CONTROL SCHEMATIC
(FIRE PIT)

## 8 GAS GRILL/FIRE PIT DETAIL
NOT TO SCALE




## 9 RADON CONTROL SYSTEM
NOT TO SCALE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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
7 23-07-13 ASI 3


LS&A
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8629 College Boulevard, Suite 103
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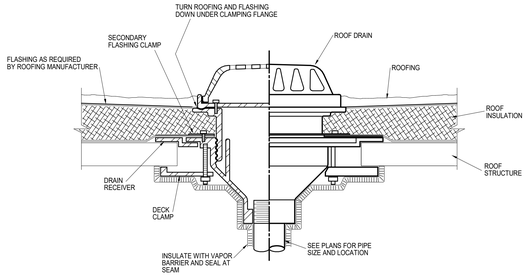
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

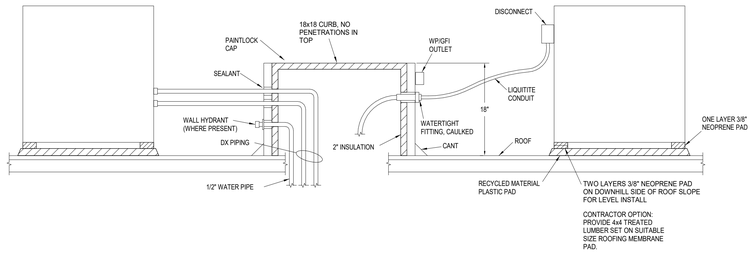

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME MECHANICAL DETAILS
SHEET NO. MP1.02

7/13/2023 4:29:05 PM

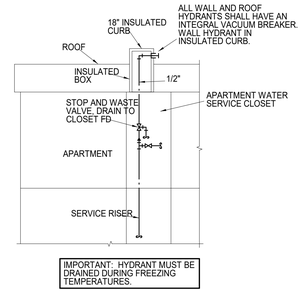
ARCH E1.30" x 42"



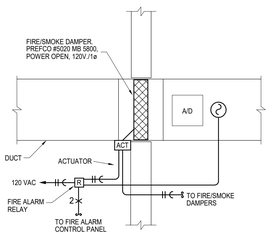

## 1 ROOF DRAIN DETAIL
NOT TO SCALE



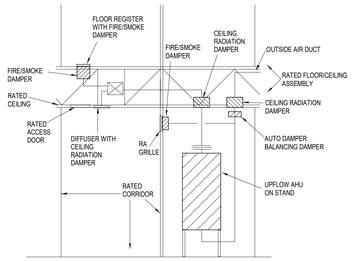

## 2 ROOF MOUNTED CONDENSING UNIT DETAIL
NOT TO SCALE



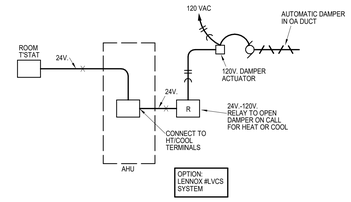

## 3 ROOF WATER HYDRANT DETAIL
NOT TO SCALE



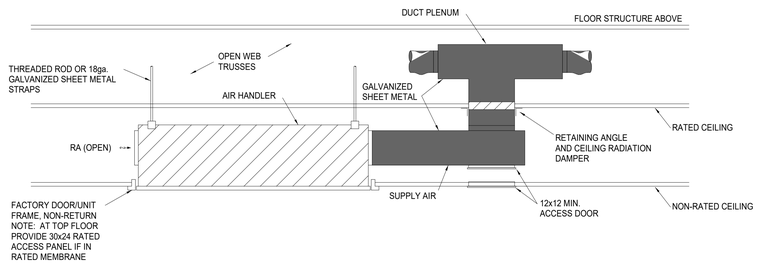

## 4 FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE



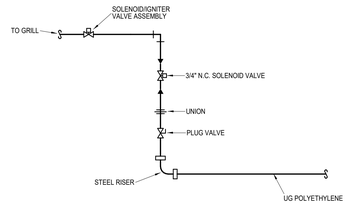

## 5 CORRIDOR AHU DETAIL
NOT TO SCALE



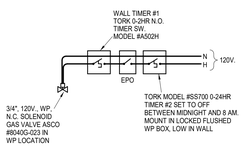

## 6 OUTSIDE AIR DAMPER CONTROL SCHEMATIC HVAC
NOT TO SCALE



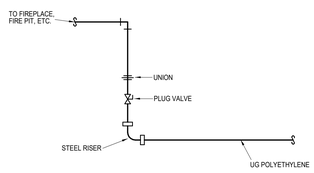

## 7 RECESSED LOW PROFILE AHU
NOT TO SCALE




PIPING SCHEMATIC




CONTROL SCHEMATIC
(GRILL)

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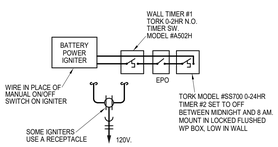


CONTROL SCHEMATIC
(FIRE PIT)

## 8 GAS GRILL/FIRE PIT DETAIL
NOT TO SCALE

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STATE OF MISSOURI
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A NEW RESIDENTIAL COMMUNITY AT:
# TRILOGY
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DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

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4/11/2023 CITY COMMENTS
SHEET NAME MECHANICAL DETAILS
SHEET NO. MP1.02

4/13/2023 9:10:09 PM

ARCH E1 30" x 42"

PREFCO
JOHNSONTECH AIR CONTROL INC.

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

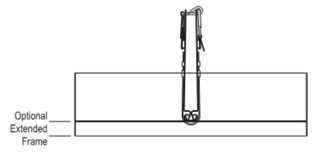
*Filename: Prefco Submittal 5680 Rev 27/12/14*

## 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.* |

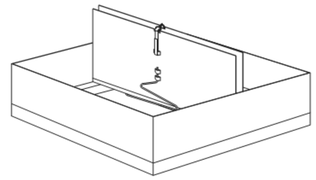
***NOTES:***
- Dampers are fabricated 3/16" under ordered diameter for clearance
- Approved for use in any UL Fire Resistance Directory Series Designs
- For 2 hour rating, refer to Model 5660

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)

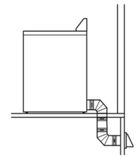


*A dim. is always width of blades*

## 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**

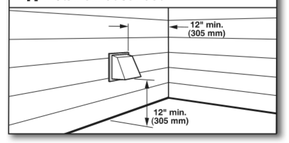
| Number of 90° turns or elbows | Type of vent | Box/louvered hoods | Angled hoods |
|---|---|---|---|
| 0 | Rigid metal | 64 ft. (20 m) | 58 ft. (17.7 m) |
| 1 | Rigid metal | 54 ft. (16.5 m) | 48 ft. (14.6 m) |
| 2 | Rigid metal | 44 ft. (13.4 m) | 38 ft. (11.6 m) |
| 3 | Rigid metal | 35 ft. (10.7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

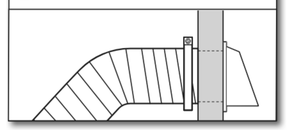
## INSTALL VENT SYSTEM

**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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△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. MP1.03

4/13/2023 9:10:09 PM

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

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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
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SHEET NO. MP1.04

8/10/2023 2:20:27 PM

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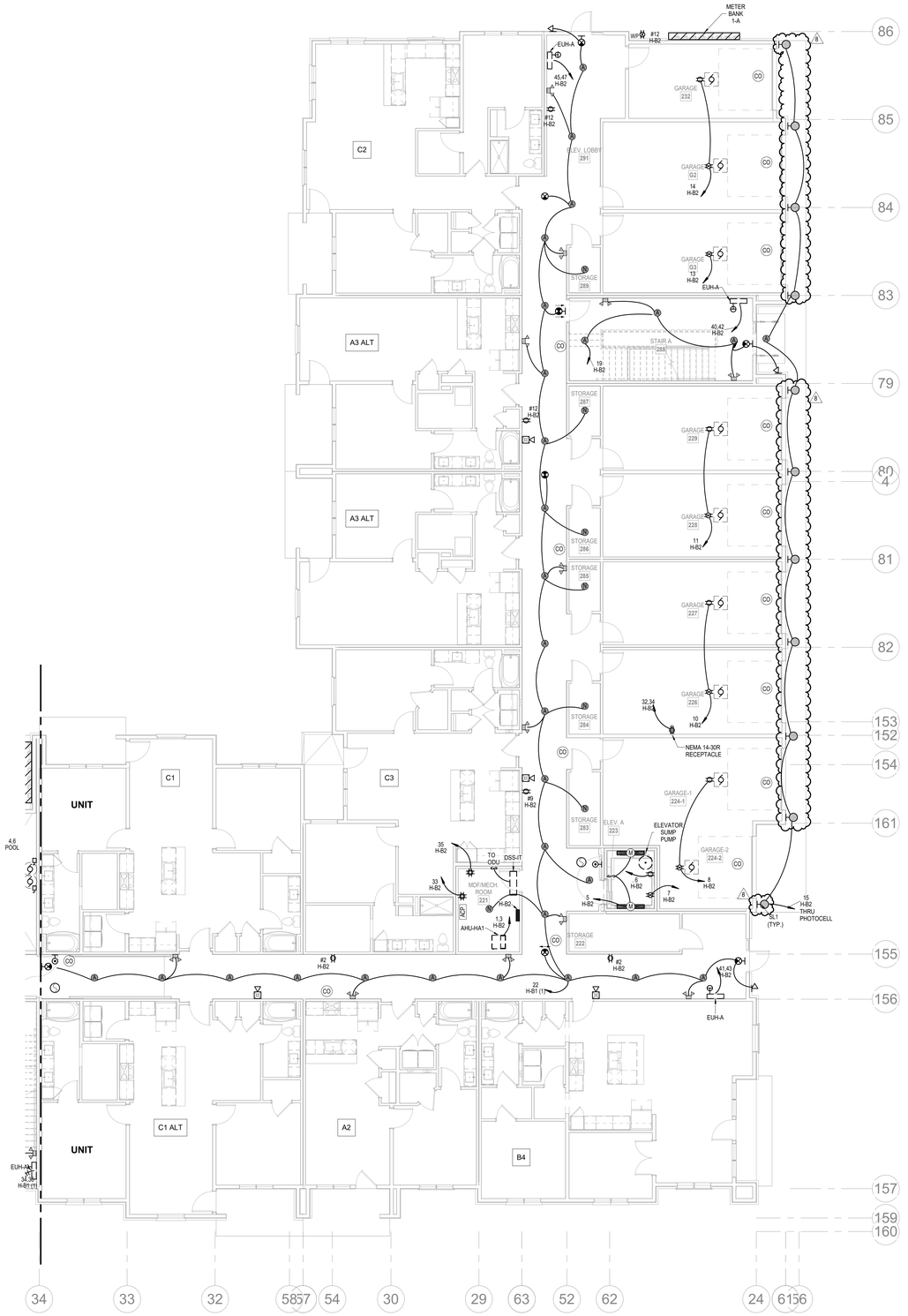


NORTH

## 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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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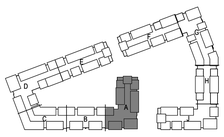

NORTH

## 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
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SHEET NO. E1.01

8/10/2023 2:18:26 PM

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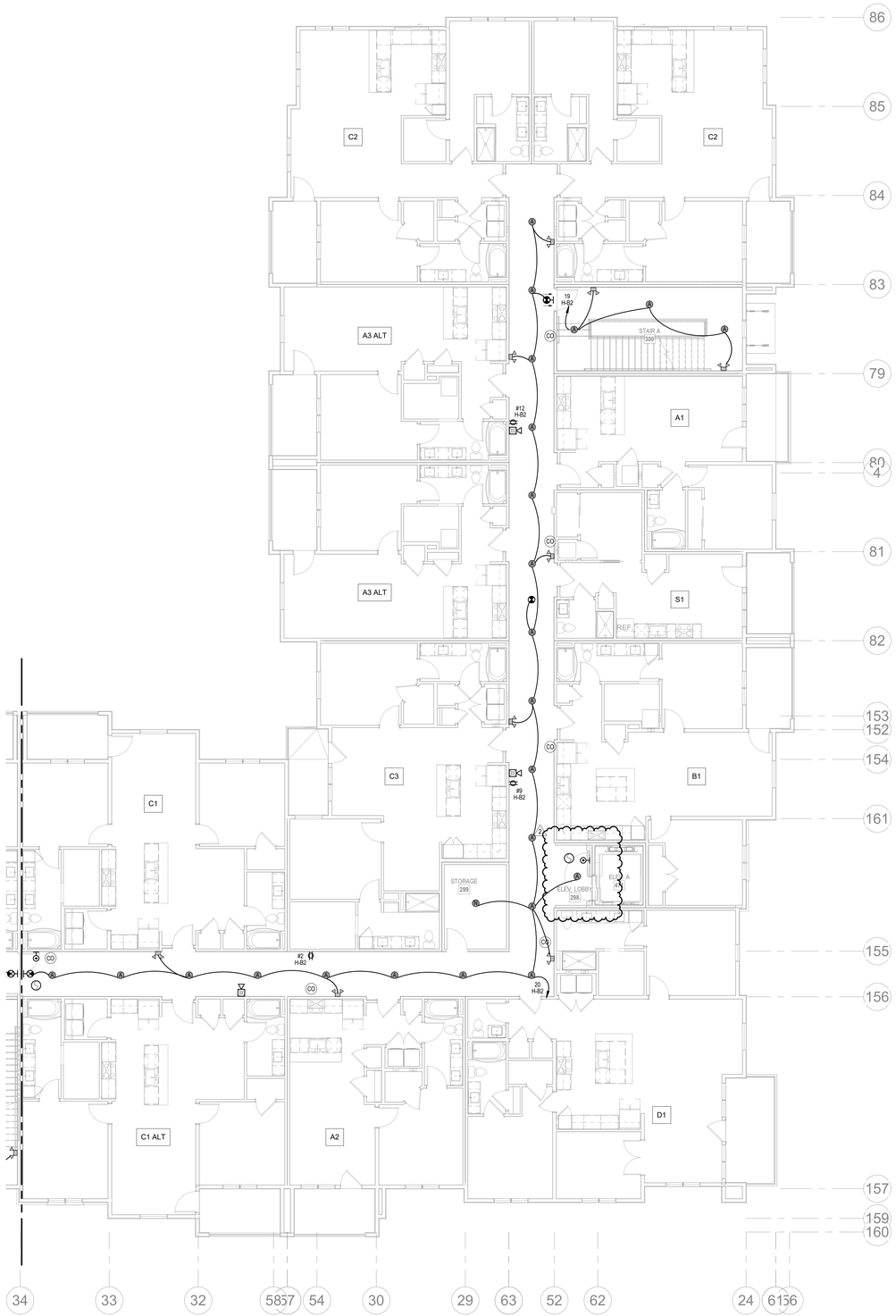


1 **2ND FLOOR - SEGMENT A**
ELECTRICAL
1/8" = 1'-0"
NORTH

| NOTES: |
|---|
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04/28/2023

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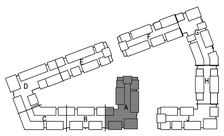

KEY PLAN
NO SCALE
NORTH

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2 23 0428 ADD 1/CC 2

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

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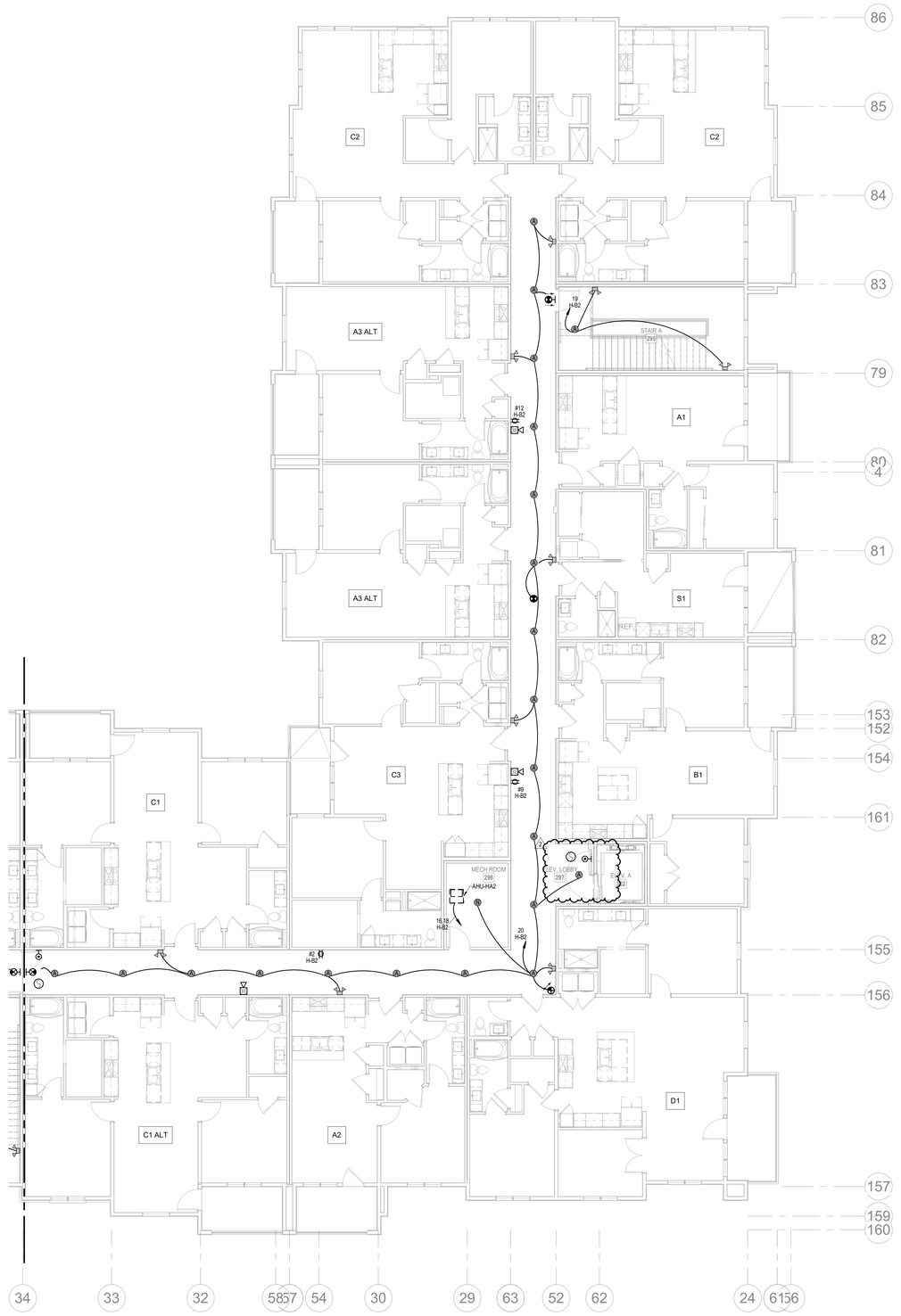


1 **3RD FLOOR - SEGMENT A**
ELECTRICAL
1/8" = 1'-0"

NORTH

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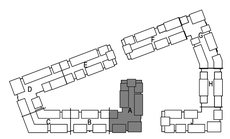

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**KEY PLAN**
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DATE 03.15.2023
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4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
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SHEET NO. E1.03

5/1/2023 3:48:27 PM

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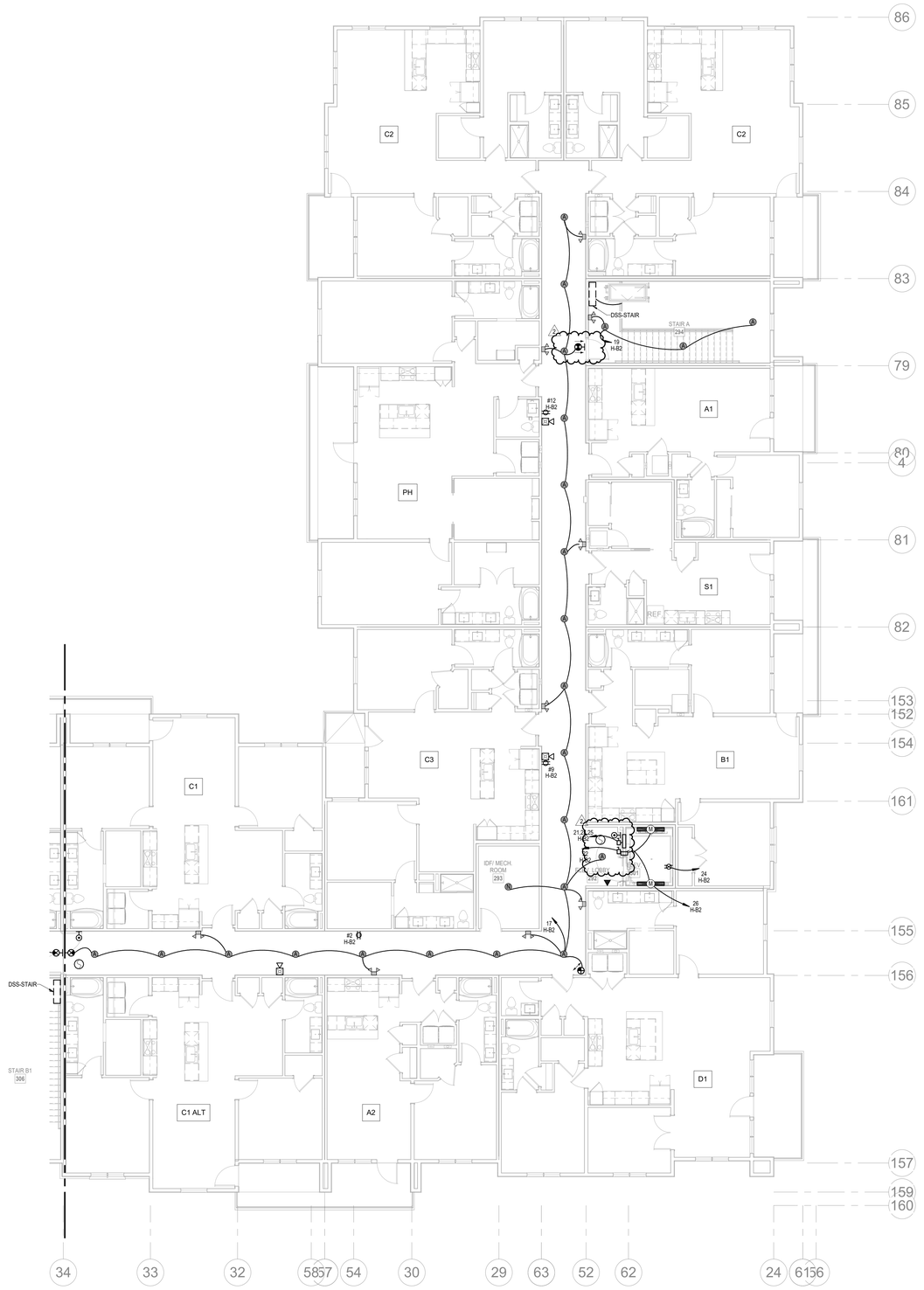


1 **4TH FLOOR - SEGMENT A**
ELECTRICAL
1/8" = 1'-0"
NORTH

| NOTES: |
|---|
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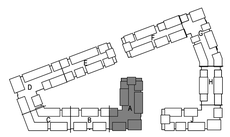


KEY PLAN
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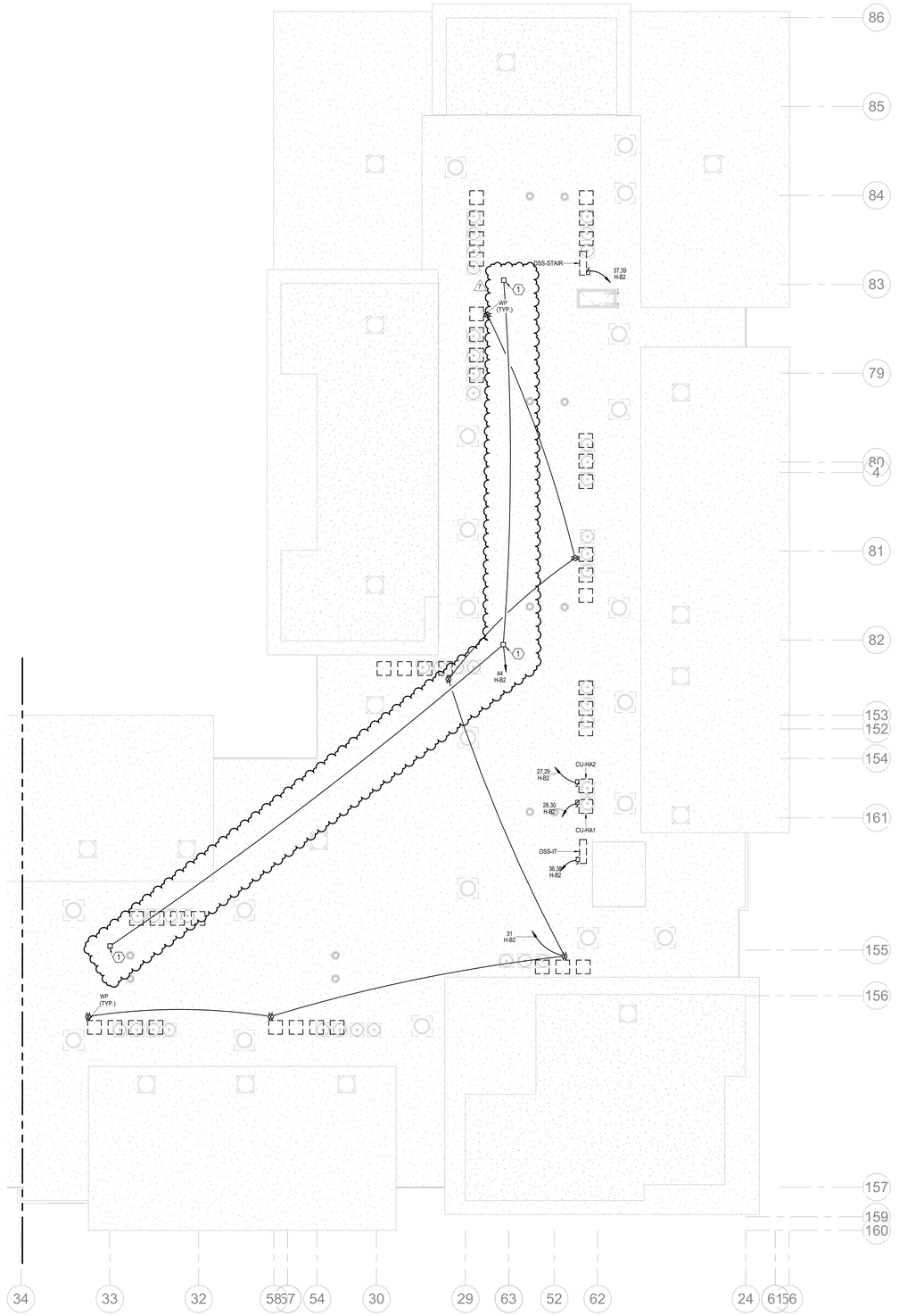
SHEET NAME SEGMENT A - 4TH FLOOR - ELECTRICAL
SHEET NO. E1.04

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. |
| 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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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ENERGY SERVICES

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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

6/9/2023

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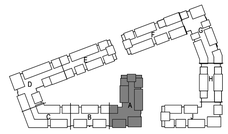
# TRILOGY

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

DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

## KEY PLAN

NO SCALE

△ REVISIONS

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

LS&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 A - ROOF PLAN - ELECTRICAL
SHEET NO. E1.05

7/13/2023 4:27:56 PM

ARCH E1.30" x 42"

CLIMBING WALL
FITNESS 115
GRAND STAIR
KITCHEN
LOUNGE
GOLF LOUNGE 113
RR 116
METER BANK 1-8
EPO
POOL EQUIP.-1 114-1
POOL HEATER (TYP. 2)
EUH-8
POOL PUMP (TYP. 2)
SEE GOLF SIMULATOR SHOP DRAWINGS FOR CONDUIT REQUIREMENTS
TO OUTDOOR UNIT
DSS-GOL
CLG
AHU-HB1
WH-C1
WK RM 104
RR 106
ACC RR 105
MER 108
AHU-HB6
WH-C2
AHU-HB5
FIRE PLACE
LOBBY
PACKAGE 112
MAIL 111
WH-C3
COFFEE
STAIR B2 234
STAIR B1 233
OFFICE 103
OFFICE 102
EUH-A
TO LTG ABOVE
0-24HR WALL TIMER
REF
WP
AHU-HB3
MICRO
DW

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.
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7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED.
8. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DETAILS.
9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS.
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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
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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.
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.

44 43 42 41 40 39 38 37 36 35 34

NORTH

## 2 1ST FLOOR - SEGMENT B

ELECTRICAL
1/4" = 1'-0"


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NUMBER 2010018751
PROFESSIONAL ENGINEER
6/9/2023

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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 |

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


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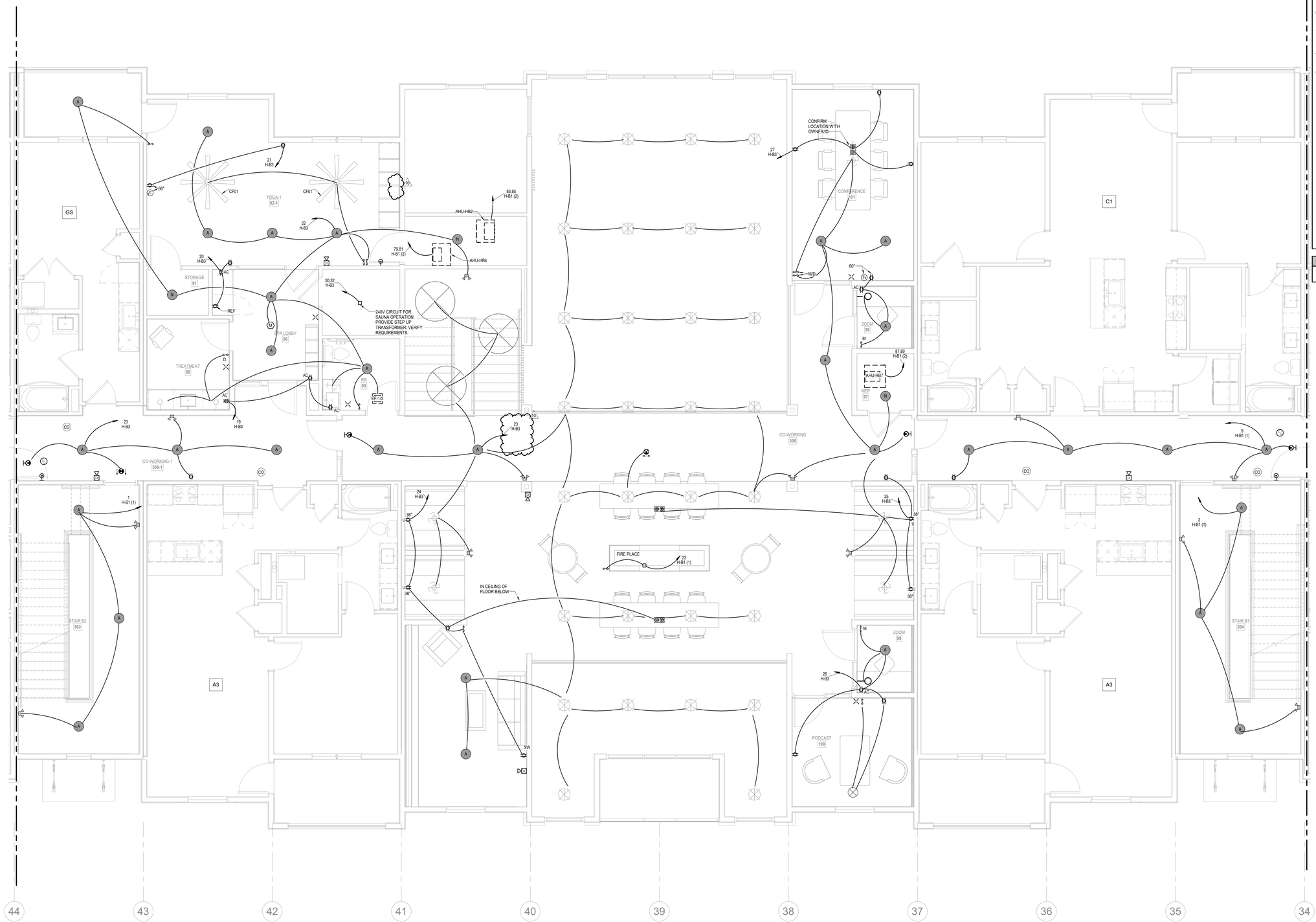
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


9/15/2023 9:43:46 AM

ARCH E1.30" x 42"




NORTH

## 1 2ND FLOOR - SEGMENT B

ELECTRICAL

1/4" = 1'-0"

NOTES:

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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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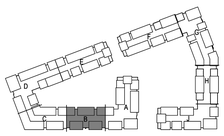
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



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 |

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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 - 2ND FLOOR - ELECTRICAL

SHEET NO. E1.06.2

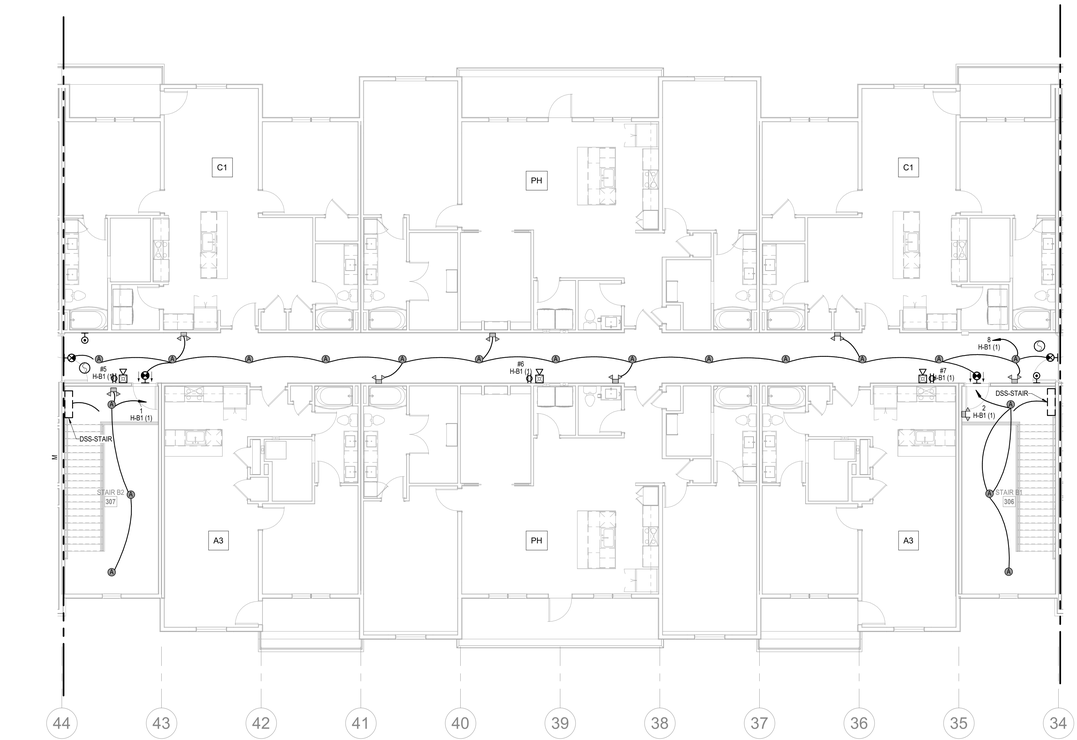
9/15/2023 9:43:48 AM

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:**

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03/15/2023

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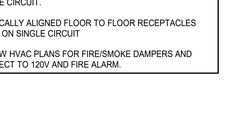
△REVISIONS



NORTH

KEY PLAN

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CONSULTING ENGINEERS
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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 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.
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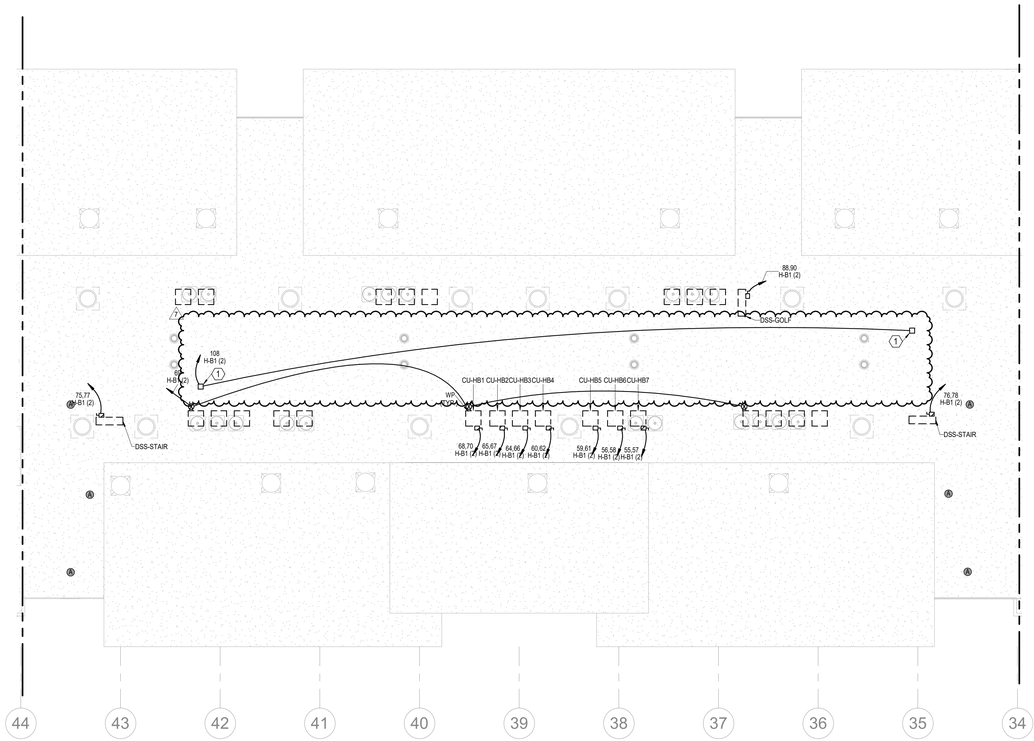
LEGEND:

(1) WP J.B. FOR RADON FAN




NORTH

## 1 ROOF PLAN - SEGMENT B

**ELECTRICAL**

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

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PROFESSIONAL ENGINEER

6/9/2023

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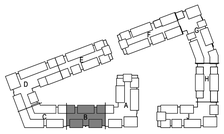
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

**KEY PLAN**

NO SCALE

REVISIONS

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

LS&A
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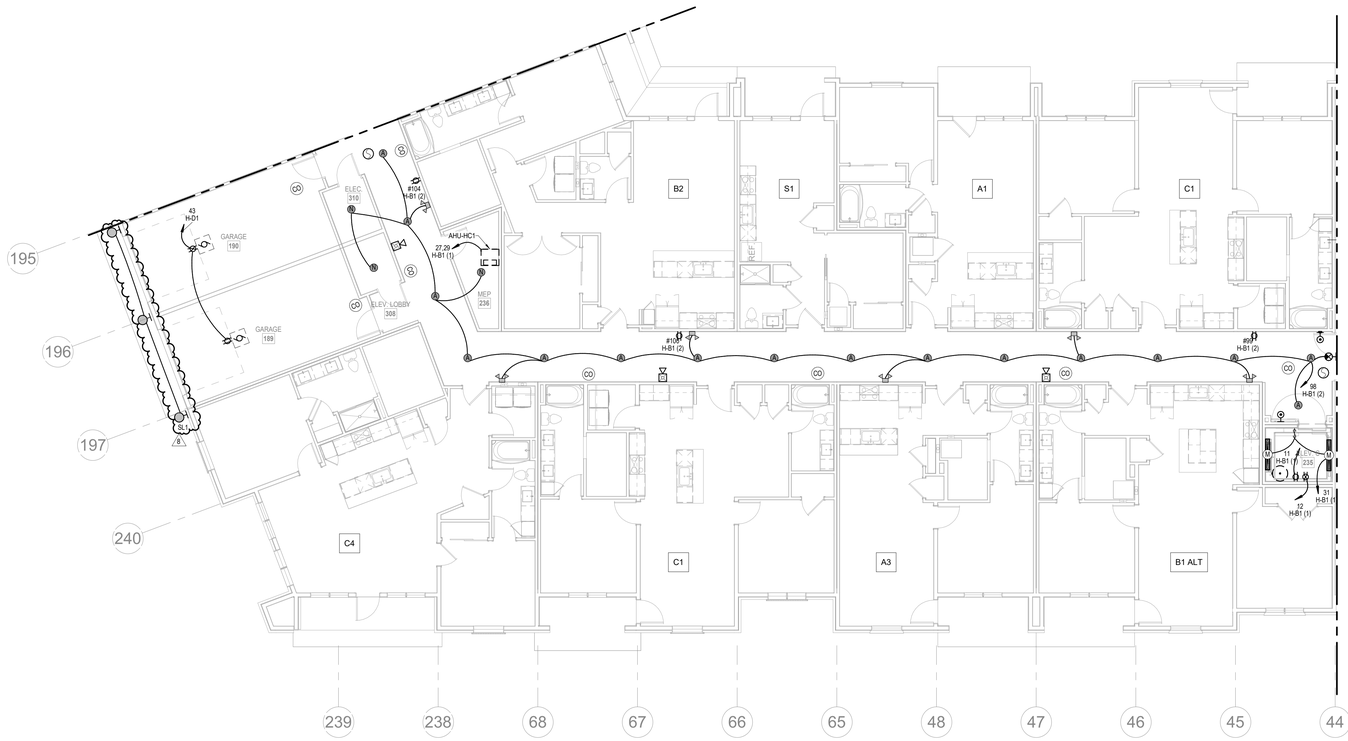
LSA PROJECT NO. 2204061

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


ARCHITECTURE
LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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NUMBER 2010018010
PROFESSIONAL ENGINEER

6/9/2023

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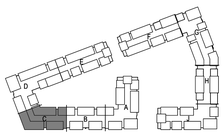
DRAWING RELEASE LOG
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

## KEY PLAN

NO SCALE

REVISIONS

| | | |
|---|---|---|
| 2 | 23.0428 | ADD 1CC 2 |
| 5 | 23-06-09 | ASI 1 |
| 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 C - 1ST FLOOR - ELECTRICAL
SHEET NO. E1.09

8/10/2023 2:18:30 PM

ARCH E1.50" x 42"

| NOTES: |
|---|
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| 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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 2ND FLOOR - SEGMENT C

**ELECTRICAL**

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

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NUMBER
PROFESSIONAL ENGINEER

04/28/2023

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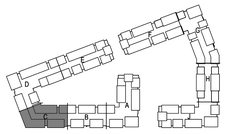
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

## KEY PLAN

NO SCALE

△REVISIONS
2 23 0428 ADD 1/CC 2

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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. |
| 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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| 9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS. |
| 10. ALL DISC FIXTURES ARE TYPE A UNLESS NOTED OTHERWISE<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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 C

**ELECTRICAL**

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

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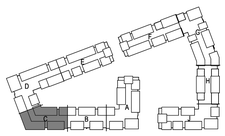

NORTH

## 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 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. |
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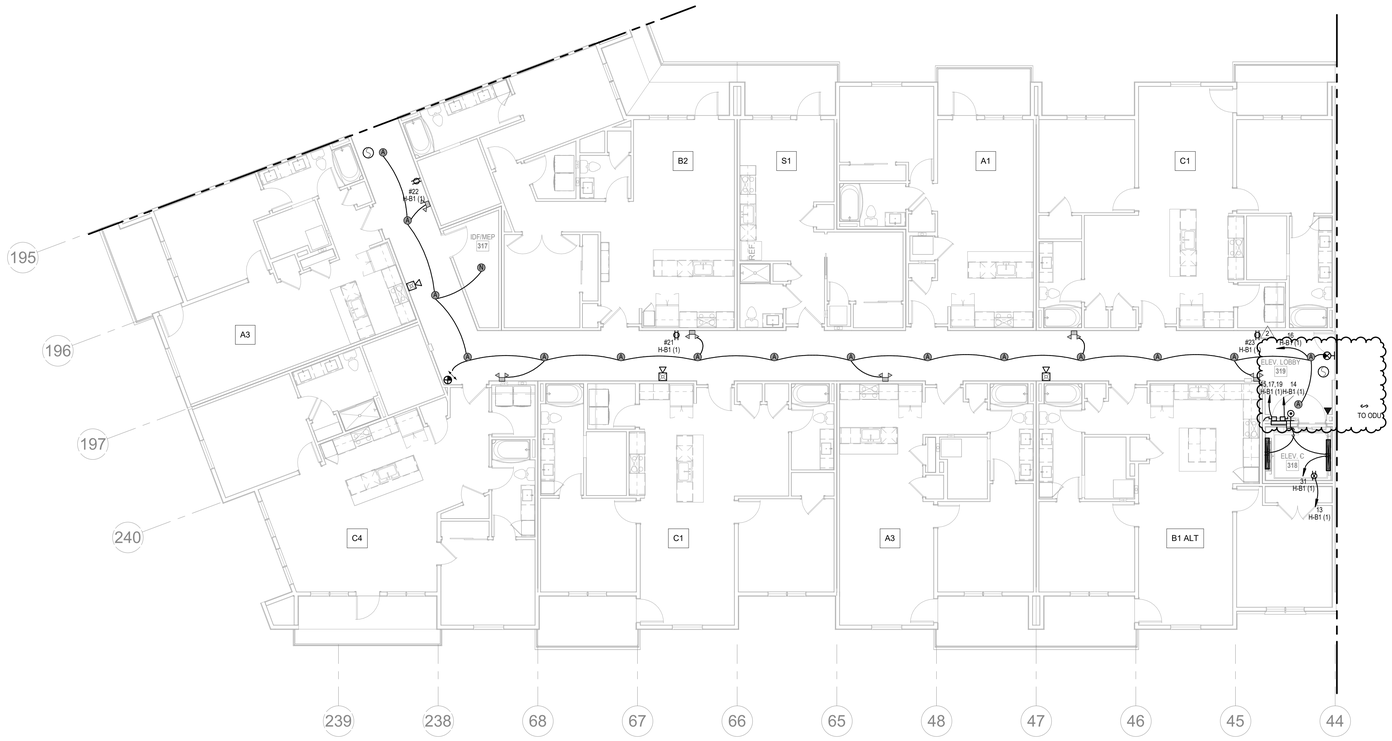


NORTH

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


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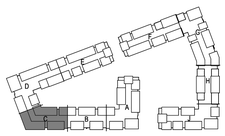
• 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
2 23.0428 ADD 1/CC 2



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## KEY PLAN
NO SCALE


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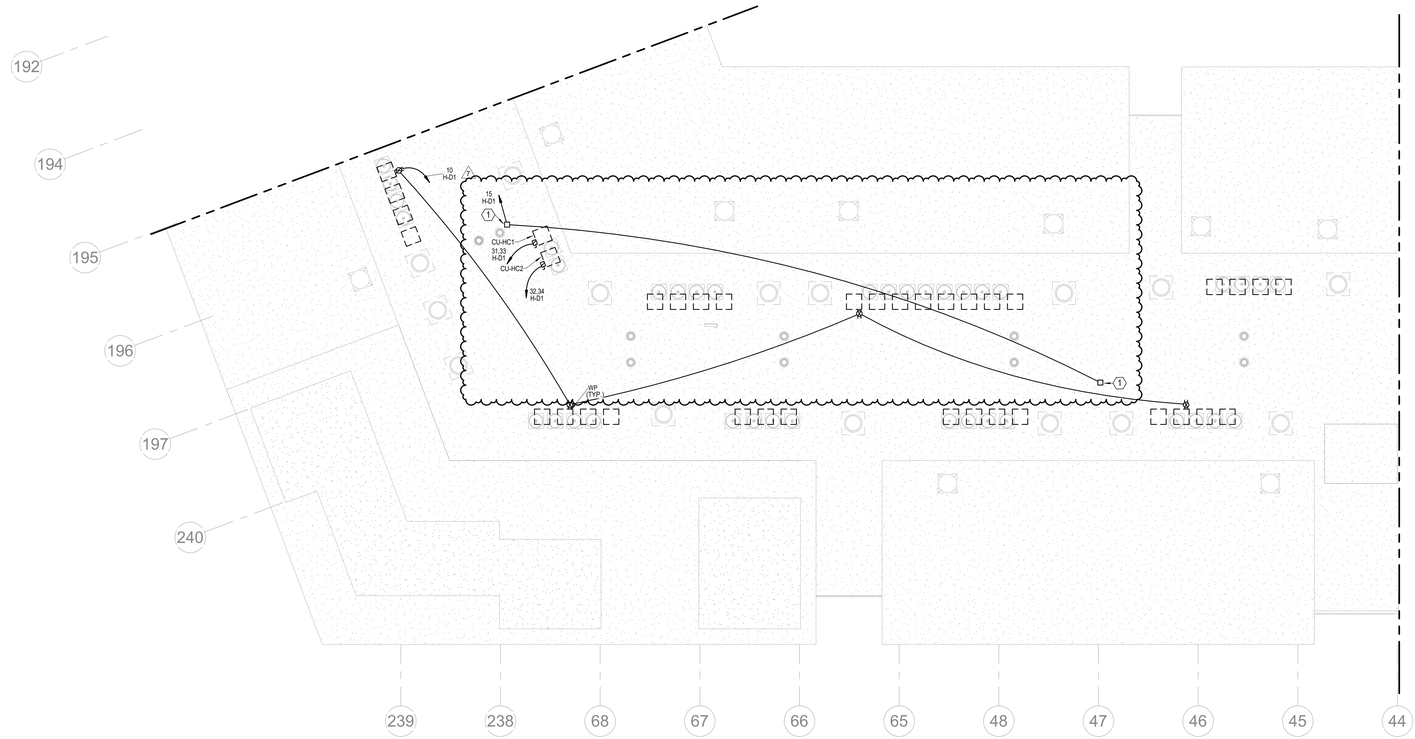
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME
SEGMENT 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: |
|---|
| 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. |
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| 9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS. |
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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. |

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


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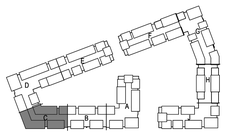

NORTH

## KEY PLAN

NO SCALE

△REVISIONS

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


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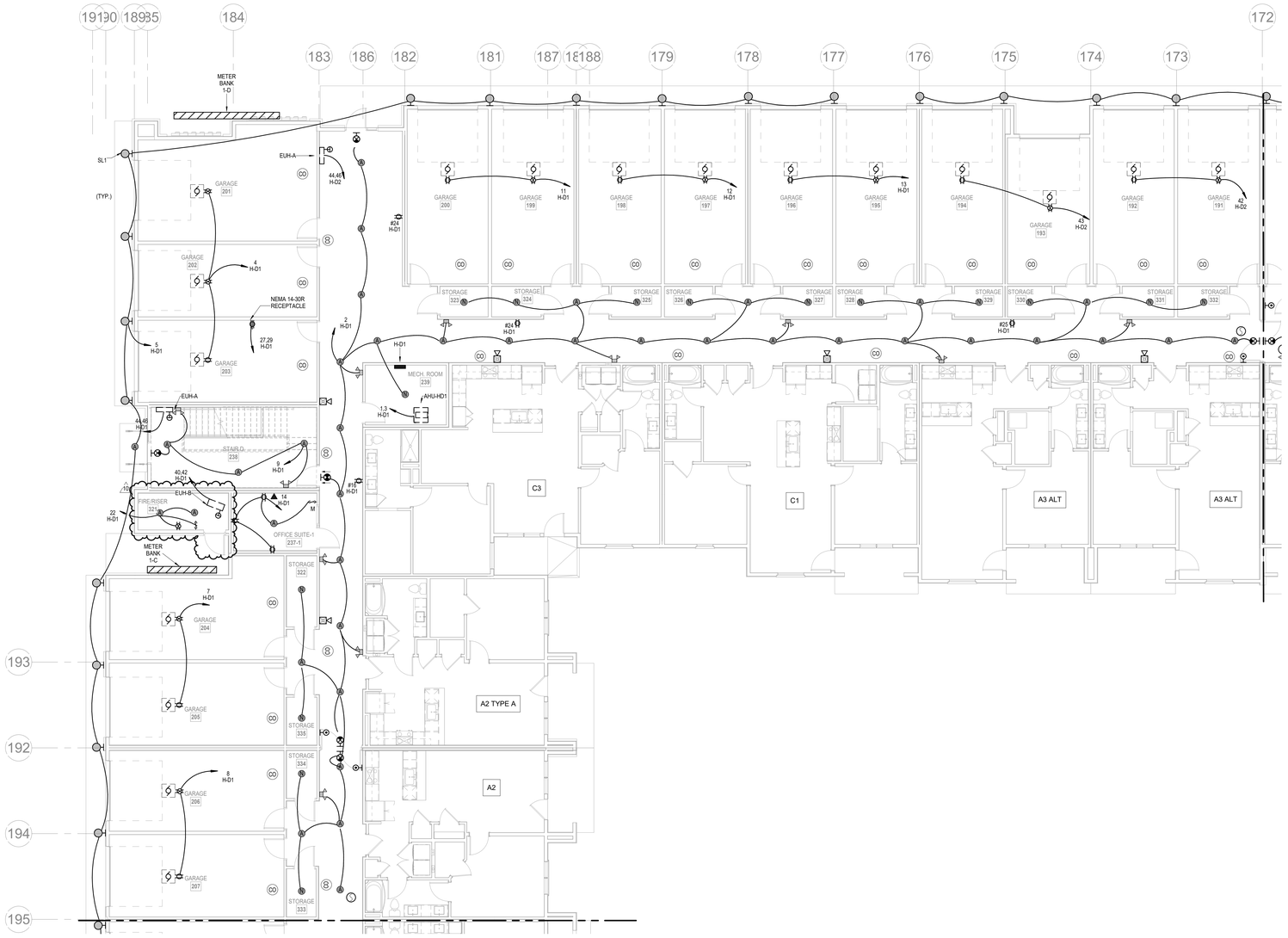
Email: lsapa@lsapa.com

LSA PROJECT NO. 2204061

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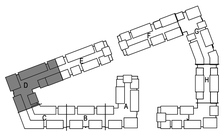

KEY PLAN
NO SCALE

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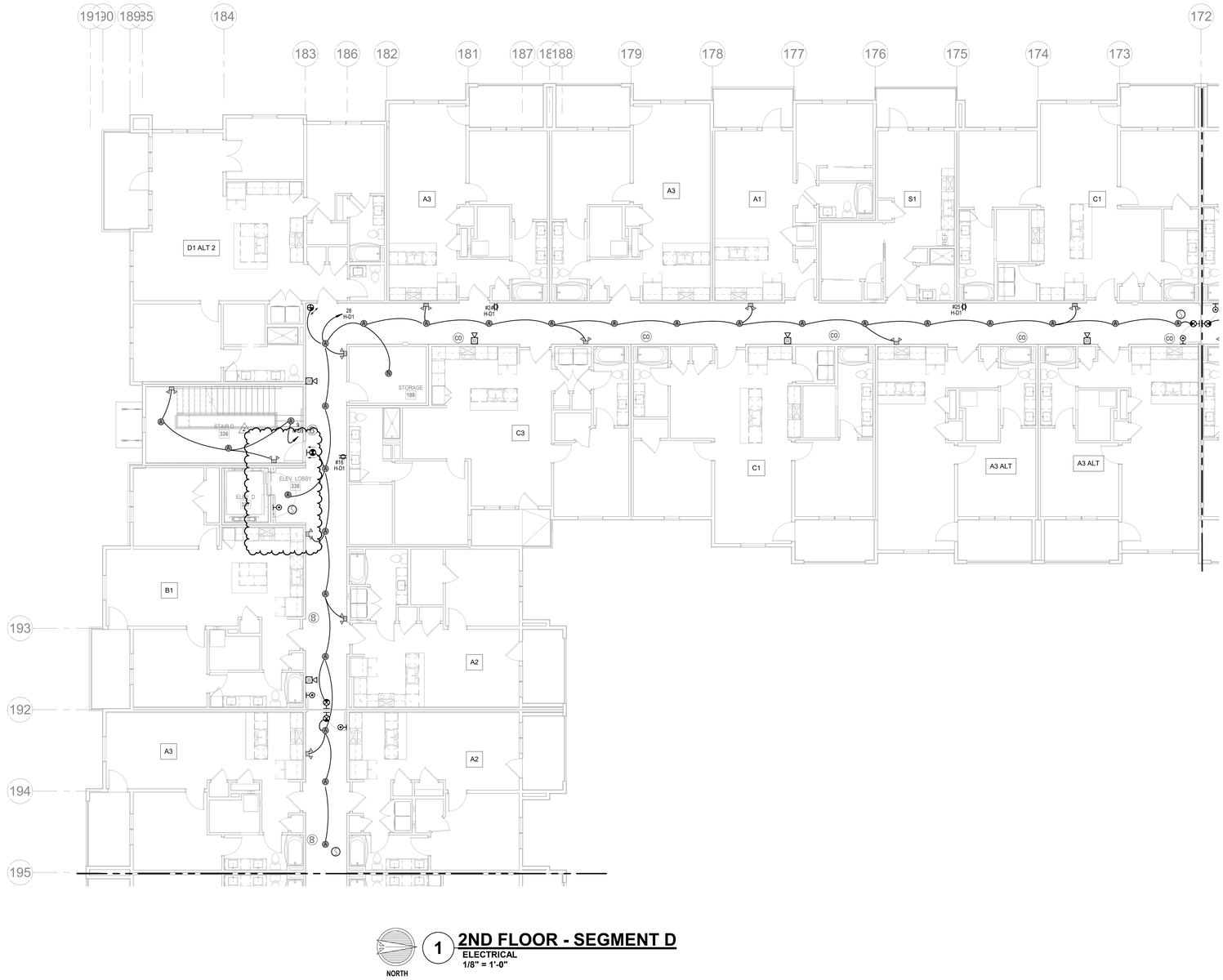
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

| NOTES: |
|---|
| 1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING. |
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• 03.15.2023 - PERMIT SUBMITTAL

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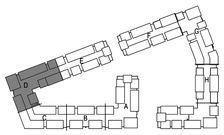
2 23.0428 ADD 1/CC 2



NORTH

**KEY PLAN**
NO SCALE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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 D - 2ND FLOOR - ELECTRICAL
SHEET NO. E1.15

5/1/2023 3:48:55 PM

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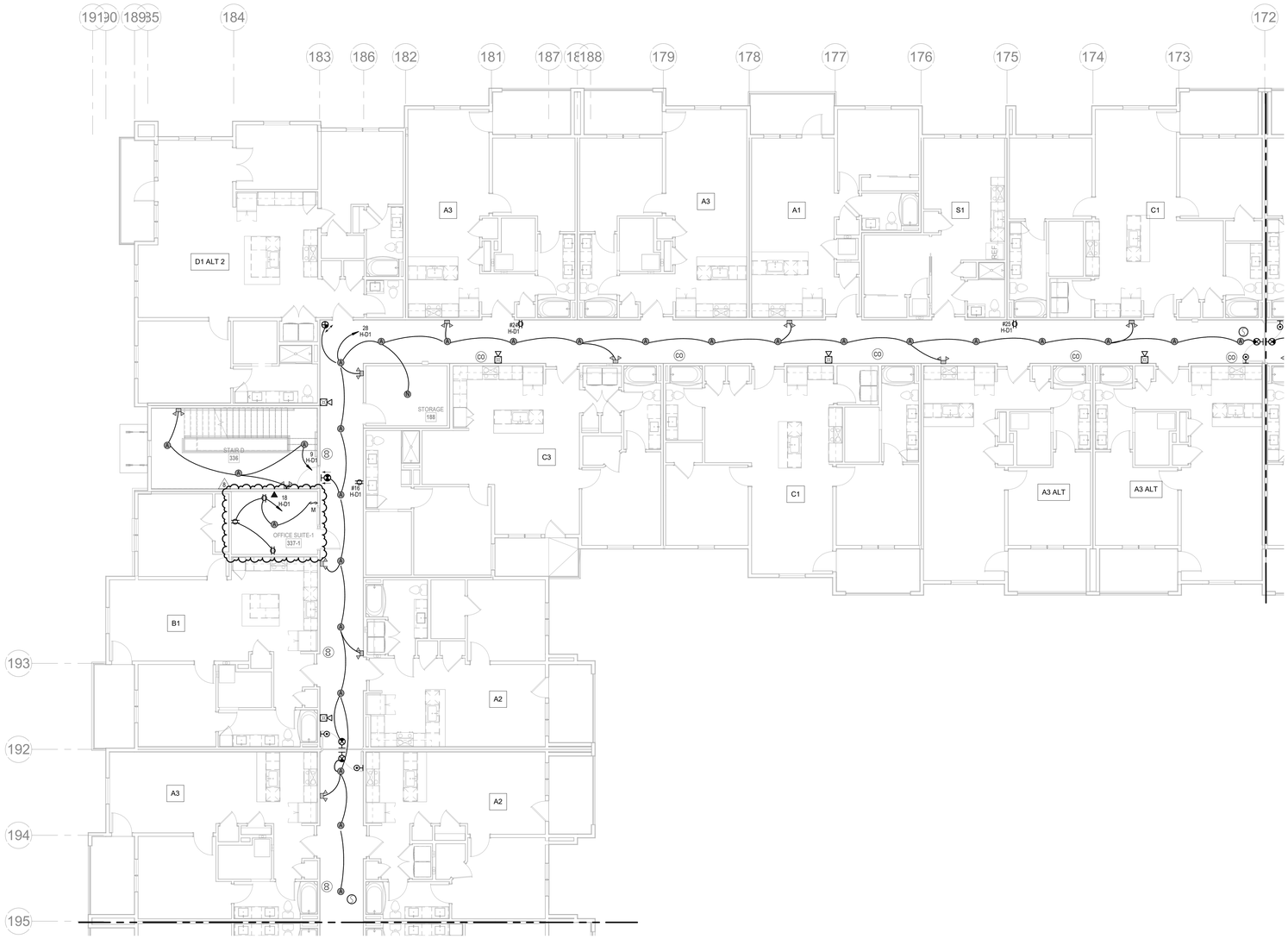


1 **2ND FLOOR - SEGMENT D**
ELECTRICAL
1/8" = 1'-0"
NORTH

| NOTES: |
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| LEGEND: |
|---|
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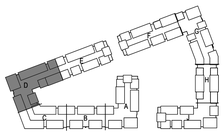
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE
NORTH

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

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Latimer Sommers & Associates P.A.
CONSULTING ENGINEERS
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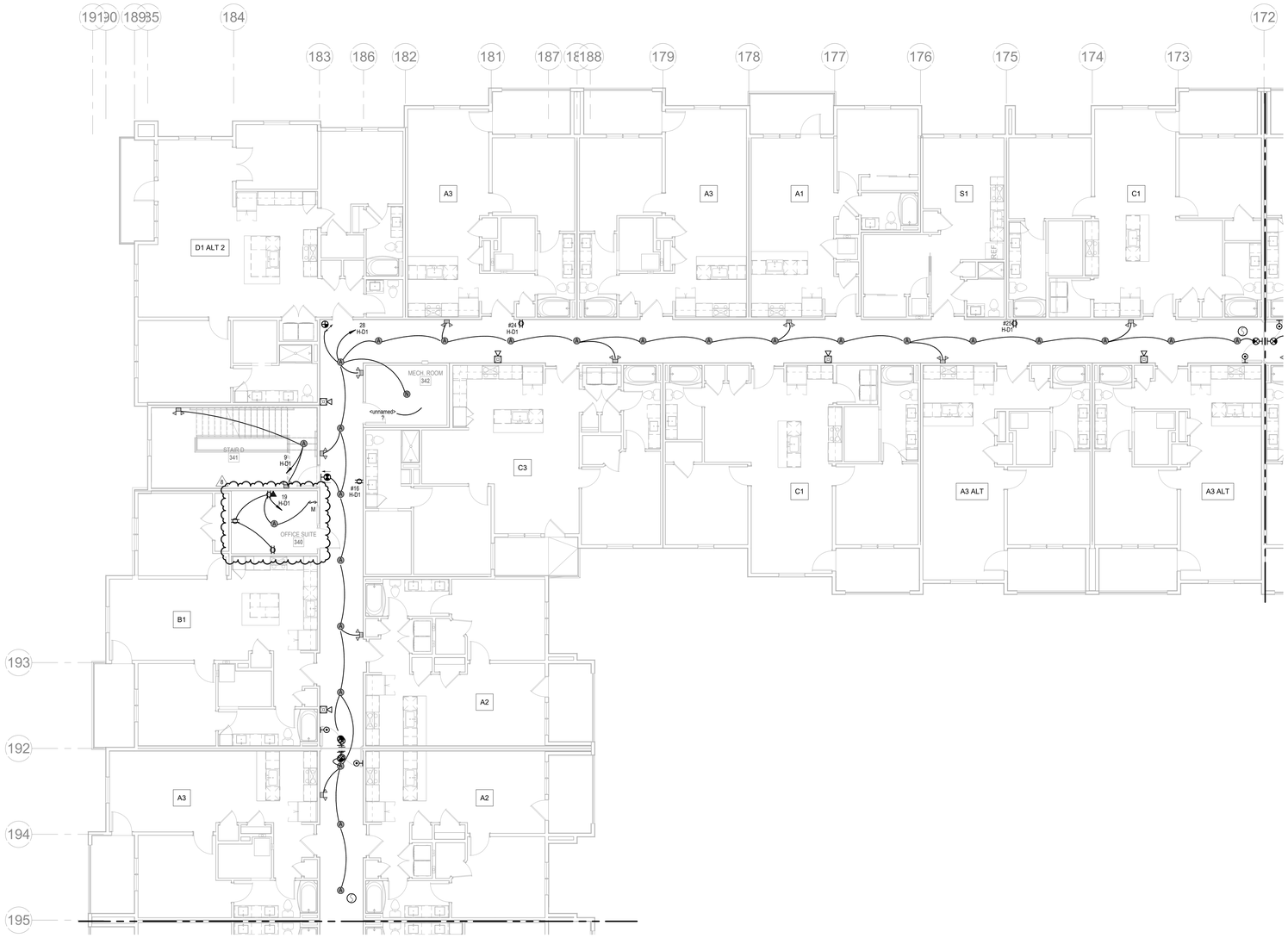
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

8/10/2023 2:18:34 PM

ARCH E1.30" x 42"




## 1 3RD 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. |
| 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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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6/9/2023

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DRAWING RELEASE LOG
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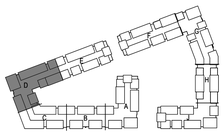

NORTH

## KEY PLAN

NO SCALE

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


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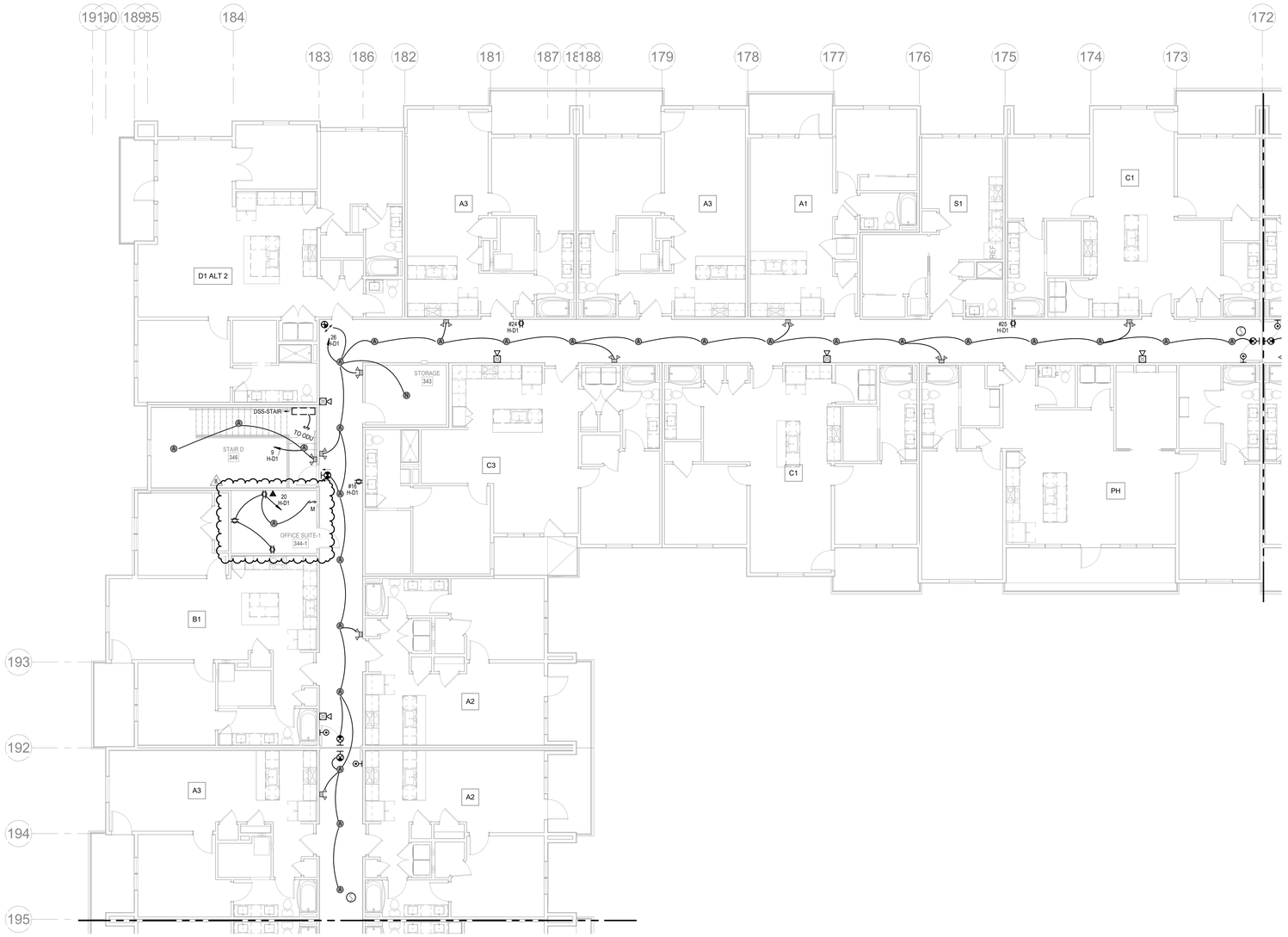
LSA PROJECT NO. 2204061


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

8/10/2023 2:16:36 PM

ARCH E1.50" x 42"




1 **4TH 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. |
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| 7. PANEL DIRECTORIES SHALL BE SPECIFIC TO THE ROOMS/EQUIPMENT SERVED. |
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| 9. SEE TELECOM DETAILS FOR MISCELLANEOUS POWER NEEDS. |
| 10. ALL DISC FIXTURES ARE TYPE A UNLESS NOTED OTHERWISE<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X4 UNLESS NOTED OTHERWISE |
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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 |


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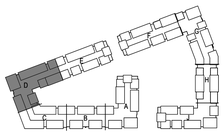
REVISIONS
2 23 0428 ADD 1CC 2
8 23-06-11 ASI 4



NORTH
**KEY PLAN**
NO SCALE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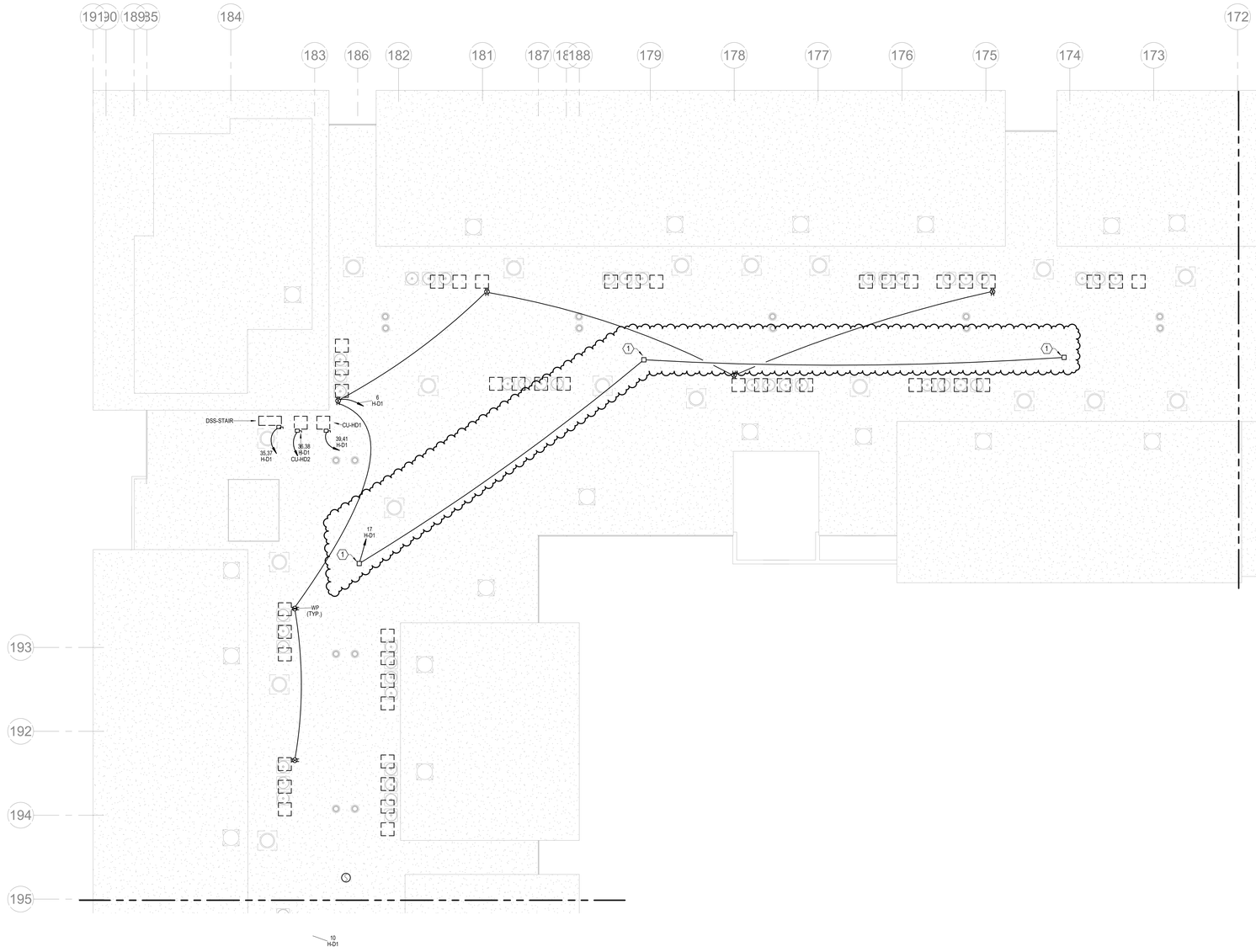
LSA PROJECT NO. 2204061


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"**

| 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. |

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


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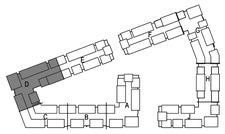

NORTH

## 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

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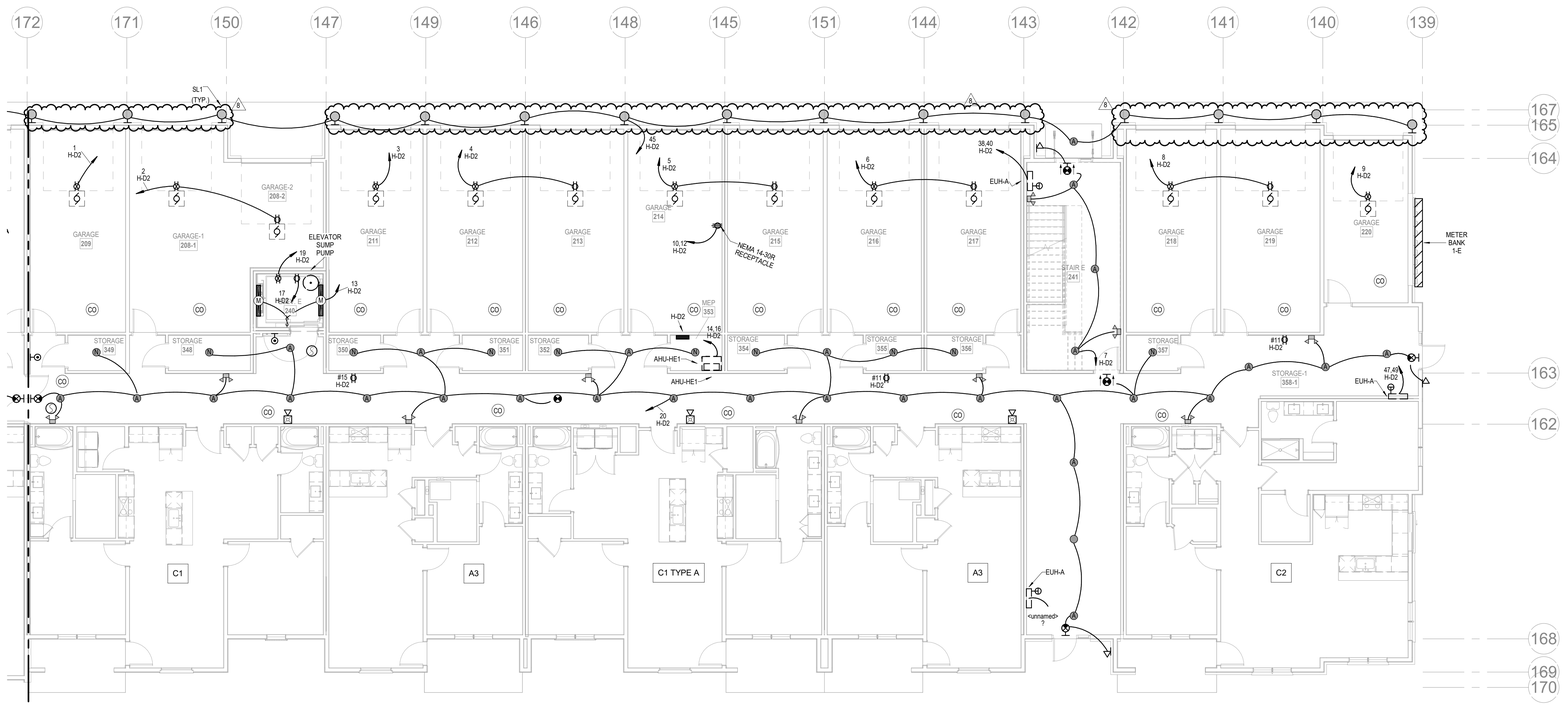


## 1 1ST FLOOR - SEGMENT E

ELECTRICAL

1/8" = 1'-0"

NORTH

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


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6/9/2023

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REVISIONS

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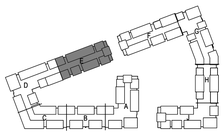
| 5 | 23-06-09 | ASI 1 |
| 8 | 23-08-11 | ASI 4 |



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 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

| NOTES: |
|---|
| 1. COORDINATE WITH OTHER SUB-CONTRACTORS FOR PLACEMENT OF WORK PRIOR TO INSTALLATION BEGINNING. |
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04/28/2023

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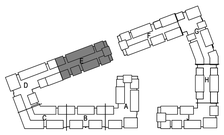
- 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
2 23.0428 ADD 1/CC 2



KEY PLAN
NO SCALE

NORTH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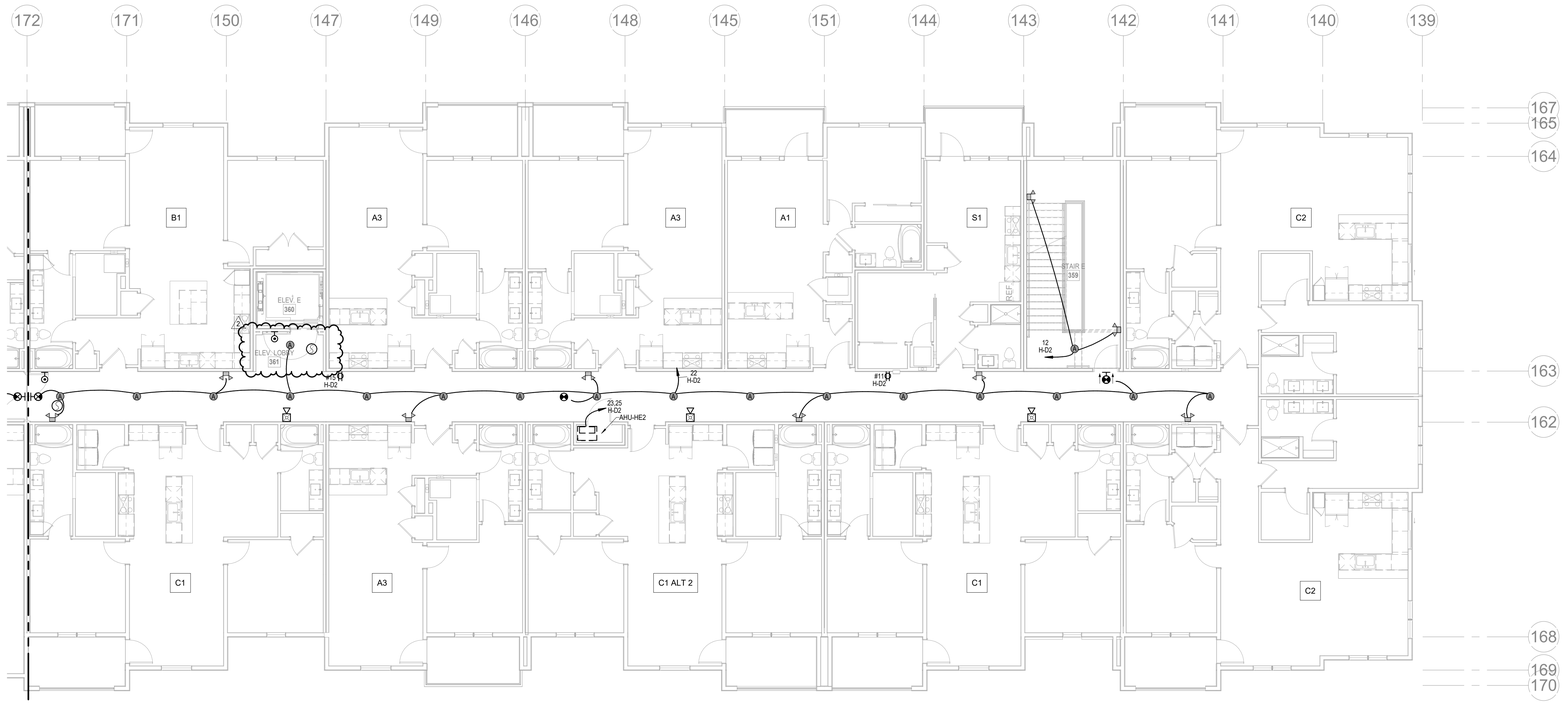
LSA PROJECT NO. 2204061


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

5/1/2023 3:48:08 PM

ARCH E1.50" x 42"




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

NORTH

| NOTES: |
|---|
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NUMBER 2010018010
PROFESSIONAL ENGINEER

04/28/2023

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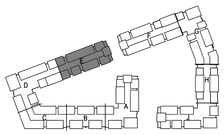
- 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
2 23.0428 ADD 1/CC 2



NORTH

**KEY PLAN**
NO SCALE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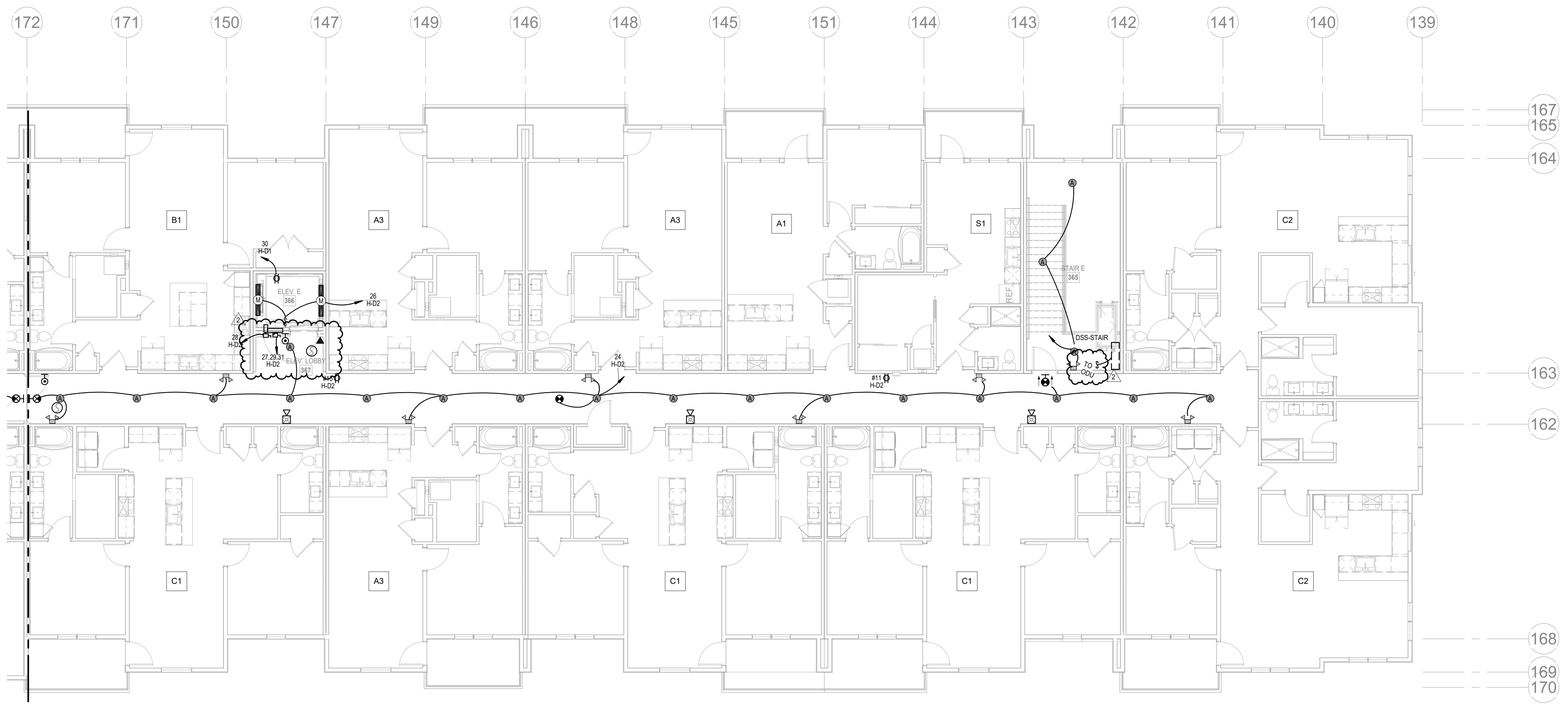
SHEET NO. E1.21

5/1/2023 3:48:10 PM

ARCH E1.30" x 42"




NORTH

## 1 4TH FLOOR - SEGMENT E

ELECTRICAL

1/8" = 1'-0"

| 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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. |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NUMBER 2010035010
PROFESSIONAL ENGINEER

04/28/2023

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DRAWING RELEASE LOG
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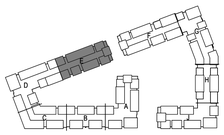
△ REVISIONS
2 23.0428 ADD 1/CC 2



NORTH

## KEY PLAN

NO SCALE


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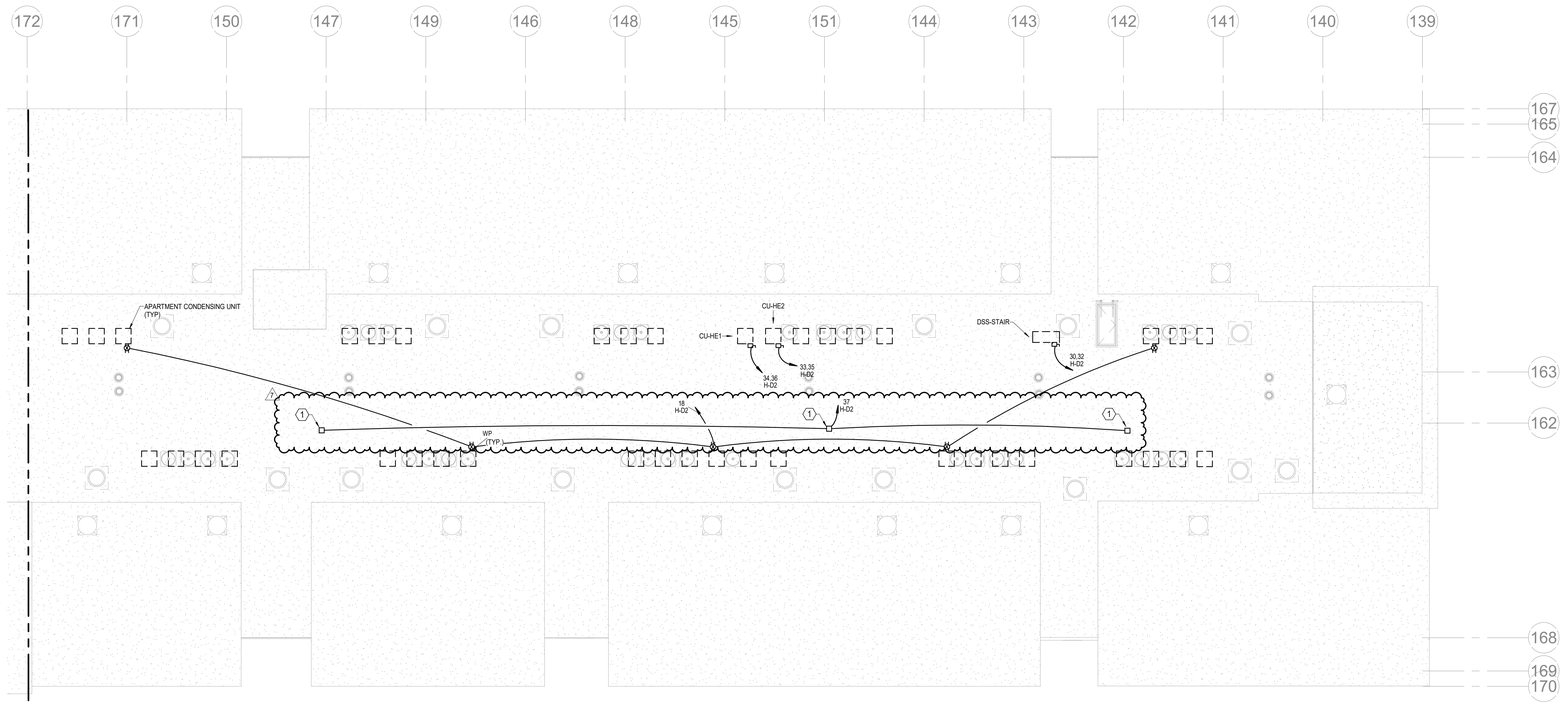
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
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"

| 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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
PROFESSIONAL ENGINEER
6/9/2023

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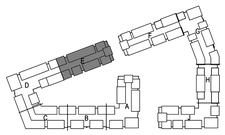
• 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS
7 23-07-13 ASI 3



NORTH

## KEY PLAN
NO SCALE

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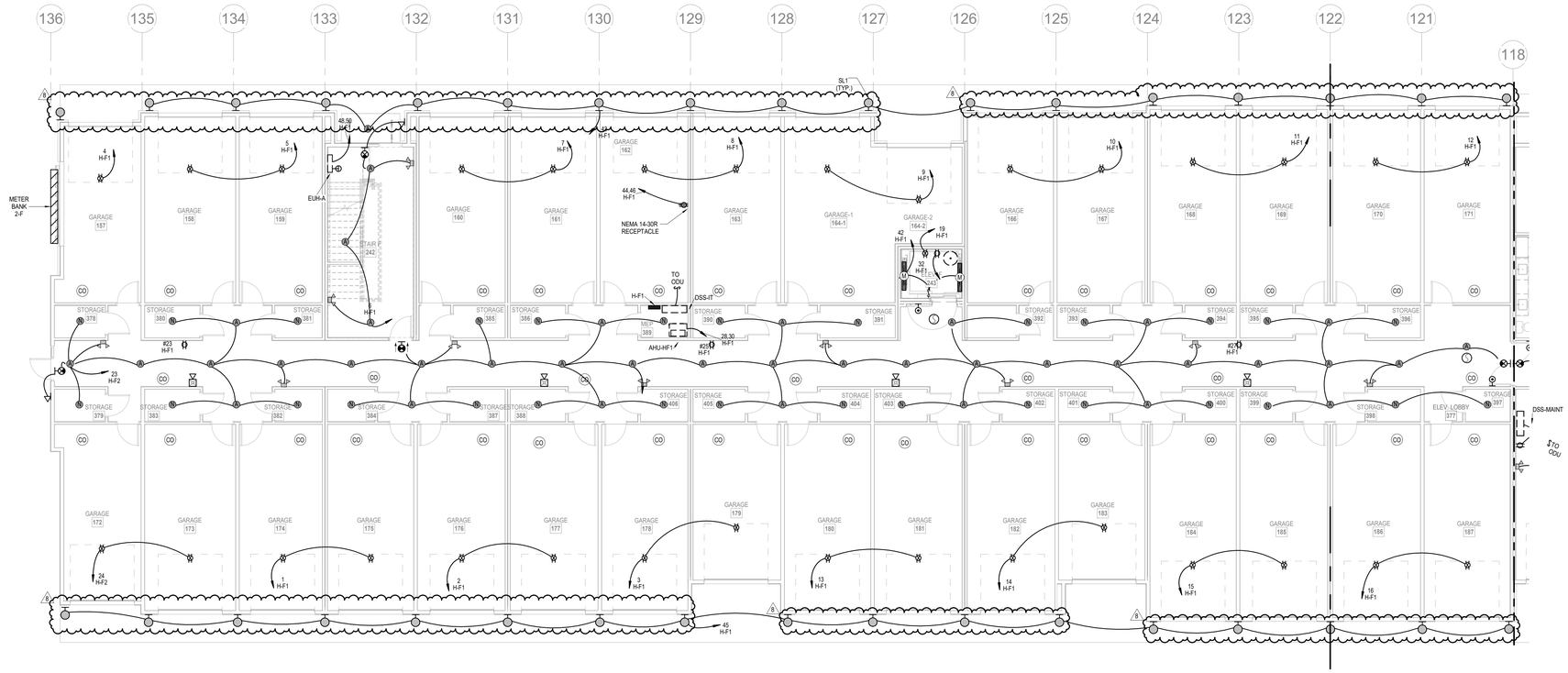
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

| 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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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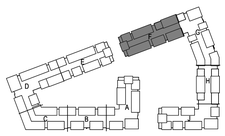

NORTH

**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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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 - ELECTRICAL
SHEET NO. E1.24

8/10/2023 2:18:46 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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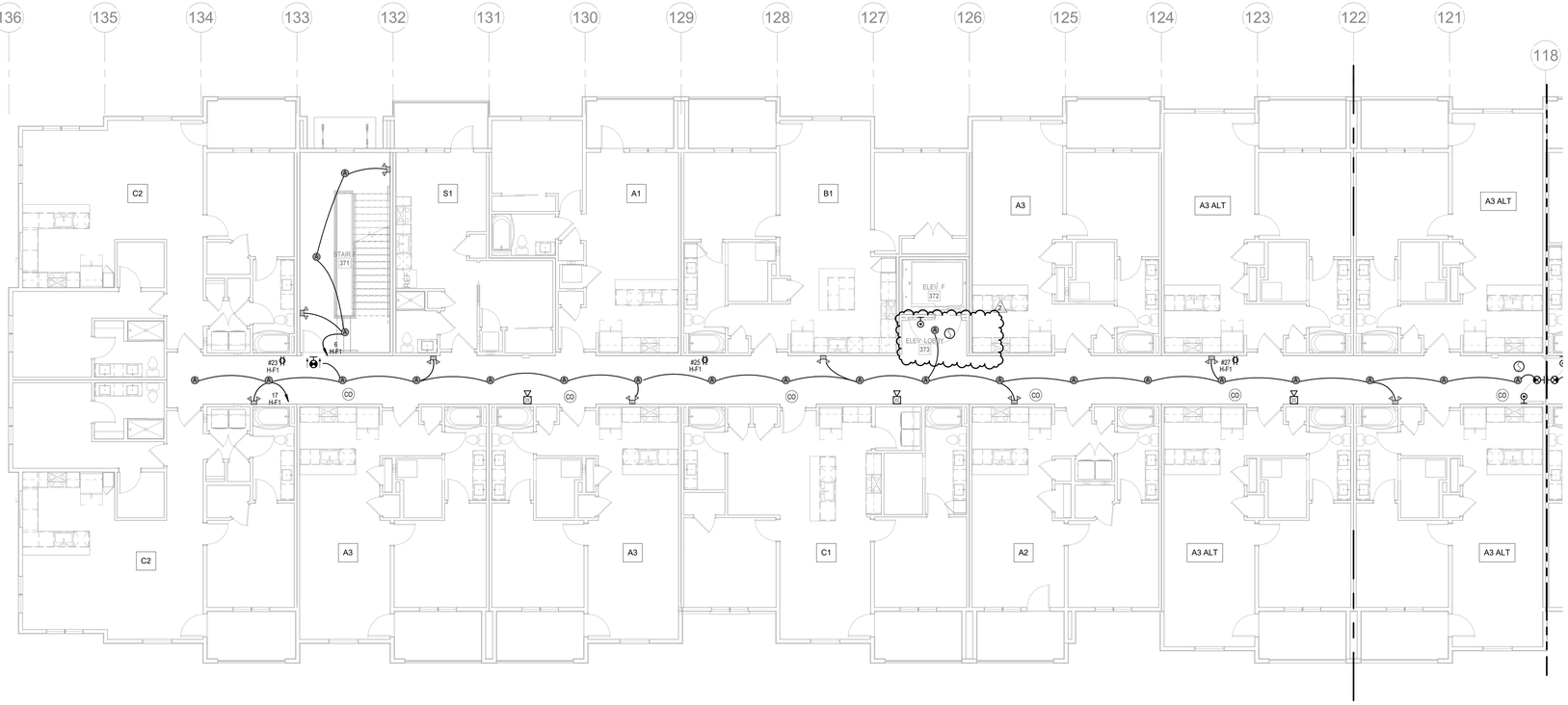


NORTH

## 1 2ND FLOOR - SEGMENT F

**ELECTRICAL**
**1/8" = 1'-0"**

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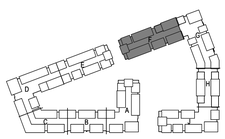


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**KEY PLAN**
NO SCALE

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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 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. |
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| 11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT. |
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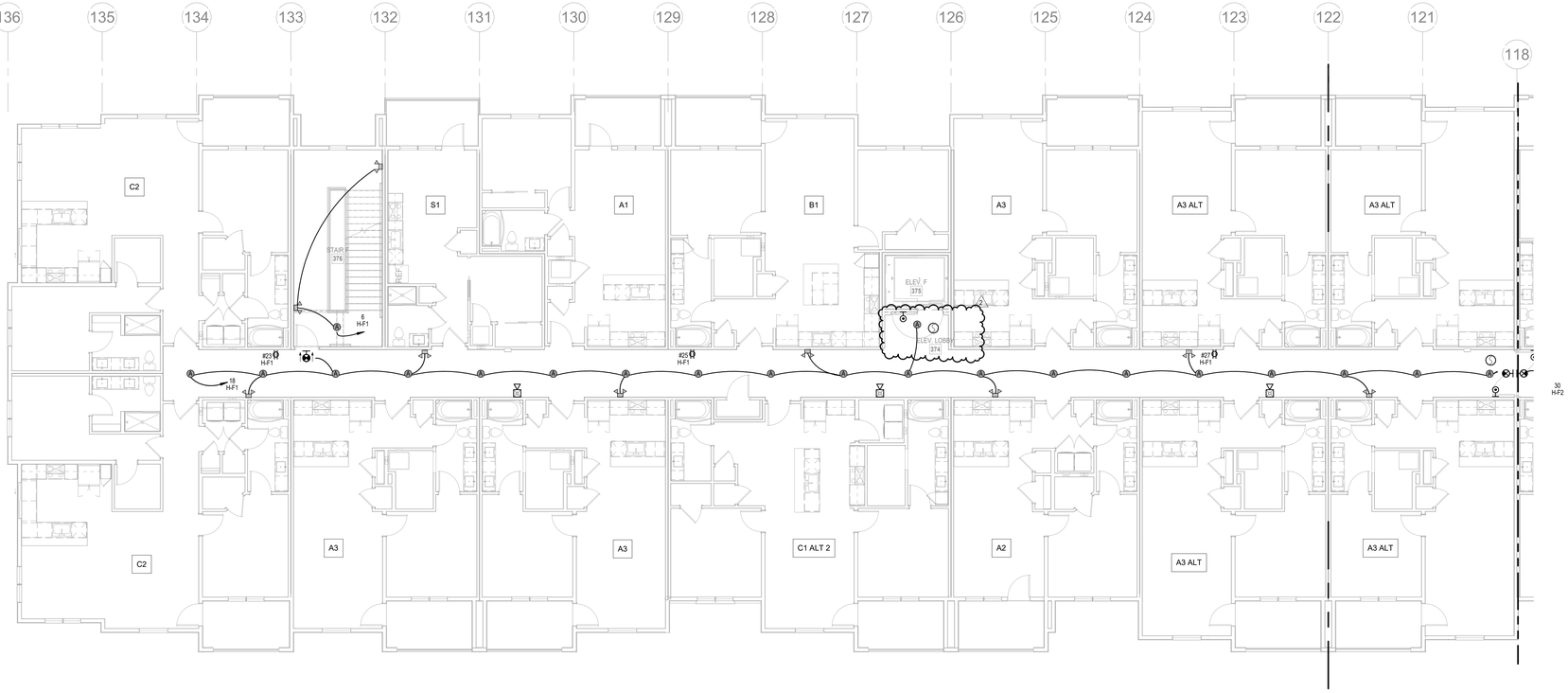


NORTH

## 1 3RD FLOOR - SEGMENT F

ELECTRICAL
1/8" = 1'-0"

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NUMBER A-2007018
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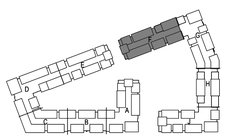
△REVISIONS
2 23.0428 ADD 1/CC 2




NORTH

## KEY PLAN

NO SCALE

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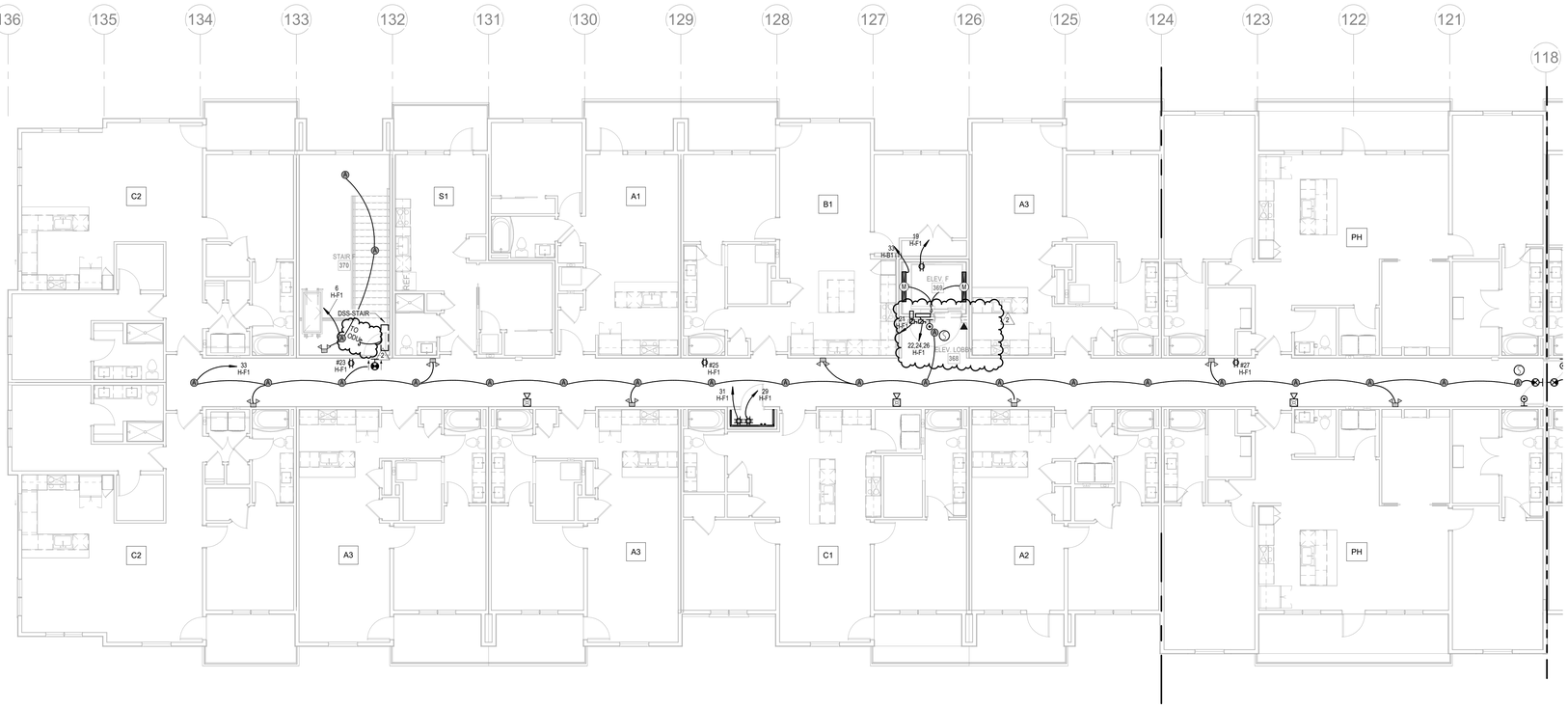
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME
SEGMENT 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: |
|---|
| 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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STATE OF MISSOURI
REGISTERED
RICHARD R. BEARDMORE
PROFESSIONAL ENGINEER

04/28/2023

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DRAWING RELEASE LOG
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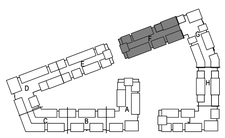

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## KEY PLAN
NO SCALE

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2 23.0428 ADD 1/CC 2


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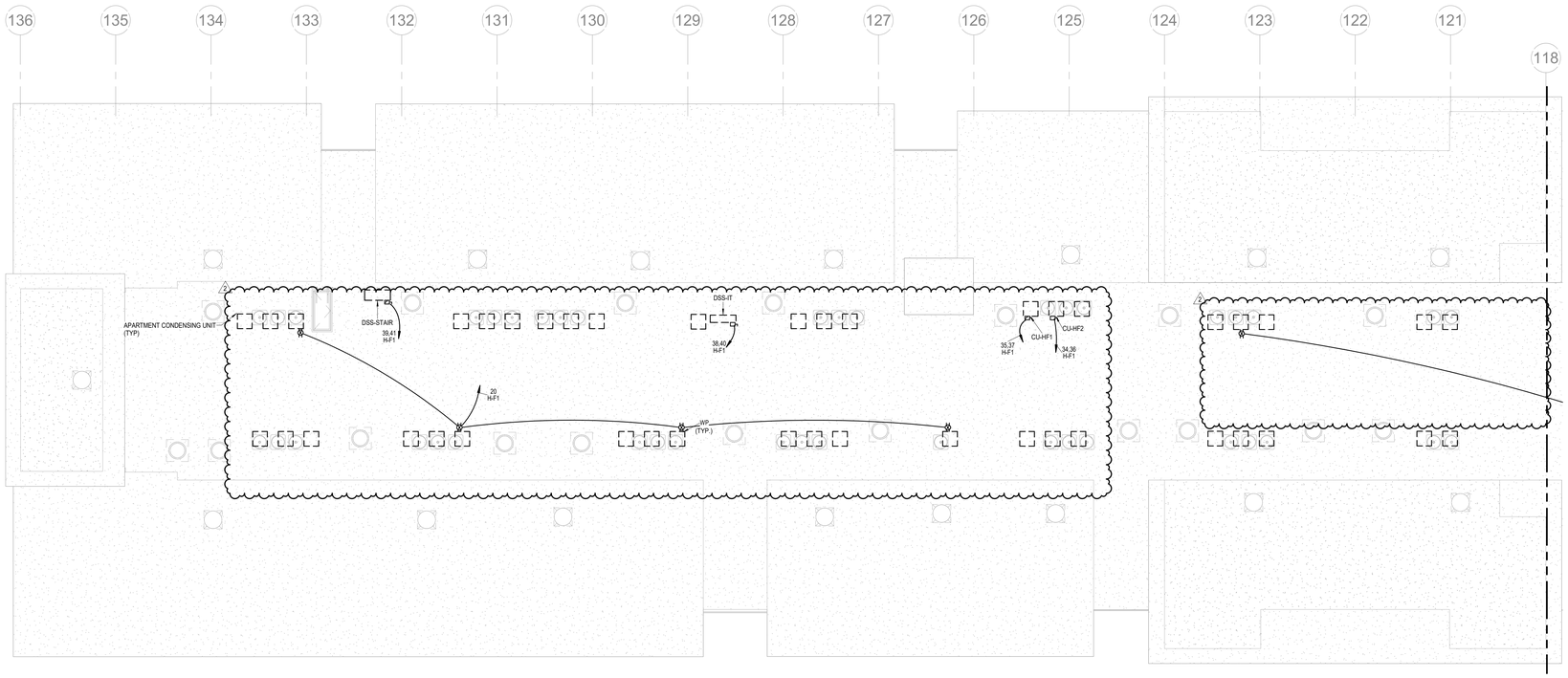
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME
SEGMENT F - 4TH FLOOR - ELECTRICAL
SHEET NO.
E1.27

5/1/2023 3:45:24 PM

ARCH E1.50" x 42"




NORTH

## 1 ROOF PLAN - SEGMENT F

ELECTRICAL

1/8" = 1'-0"

| 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. |
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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
PROFESSIONAL ENGINEER

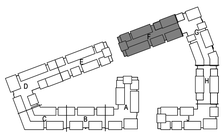
04/28/2023

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

NORTH

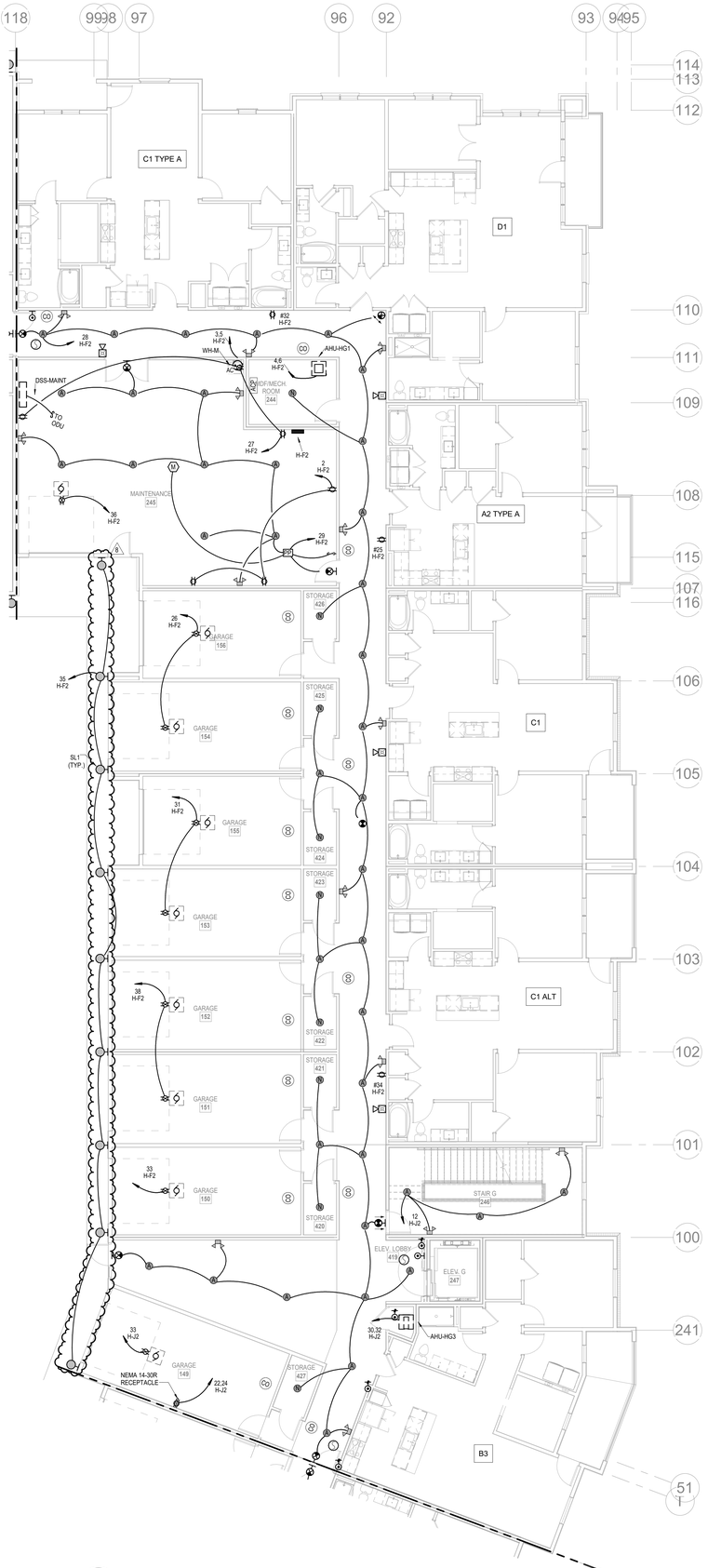
△ REVISIONS
2 23.0428 ADD 1/CC 2

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
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME SEGMENT F - ROOF PLAN - ELECTRICAL
SHEET NO. E1.28

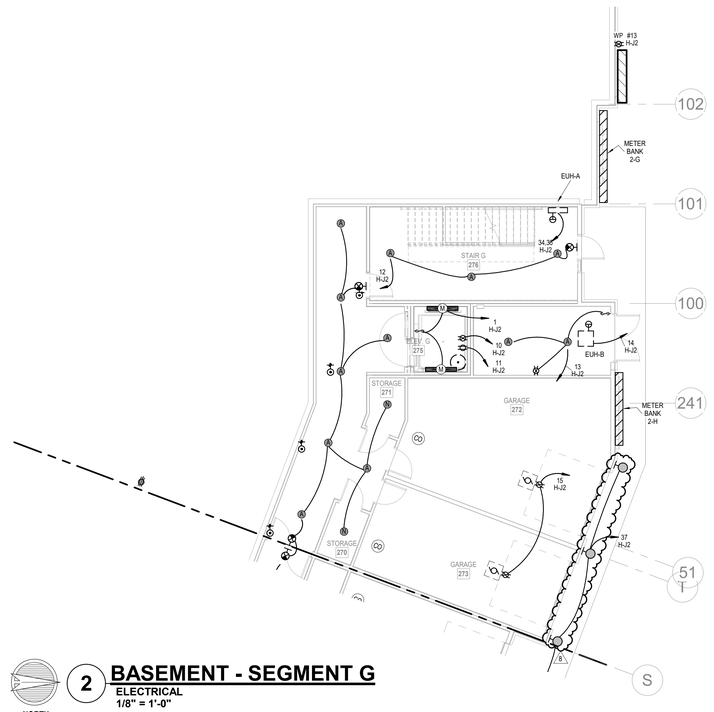
5/1/2023 3:49:05 PM

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. |
| 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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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RICHARD R. BEARDMORE
NUMBER 2010019744
PROFESSIONAL ENGINEER
6/9/2023

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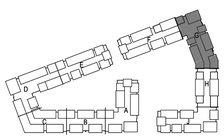
- 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

REVISIONS

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

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

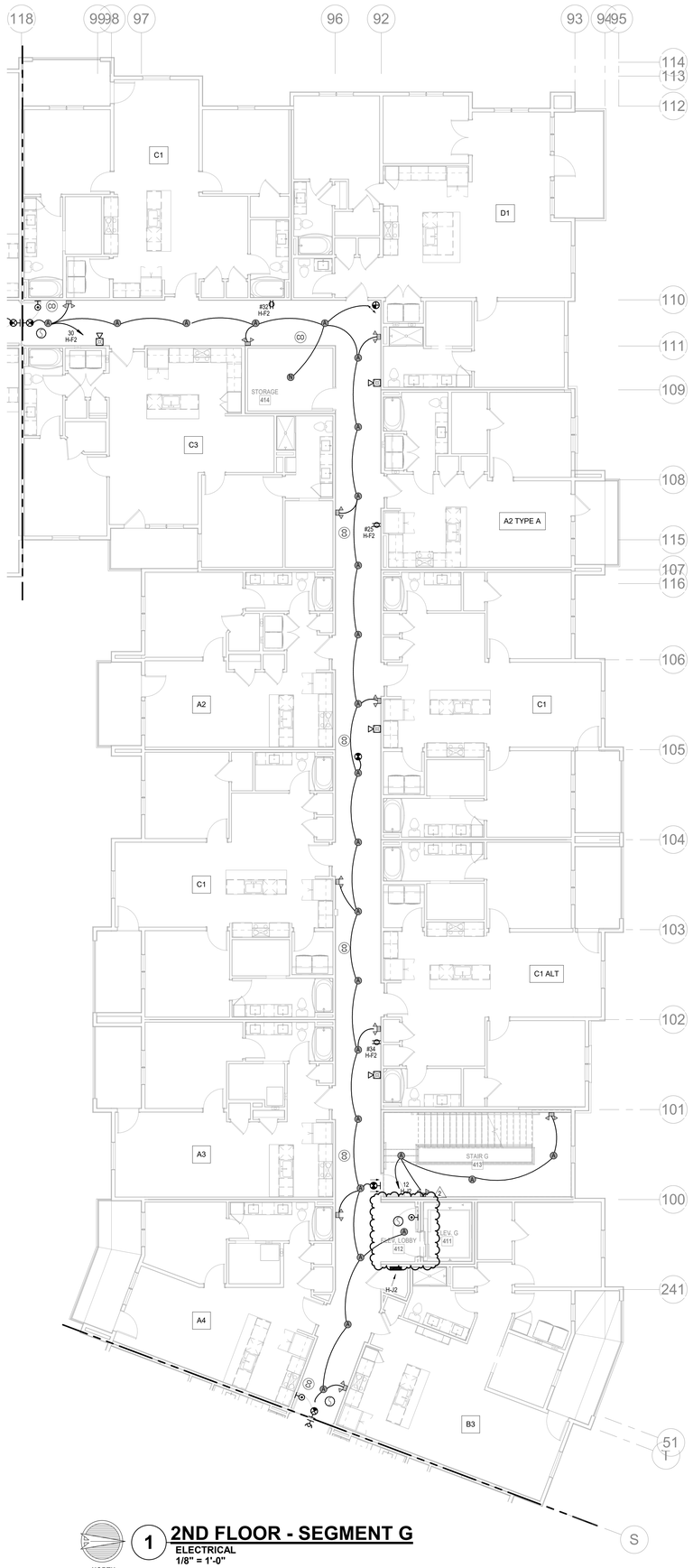
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023
CITY COMMENTS #3

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

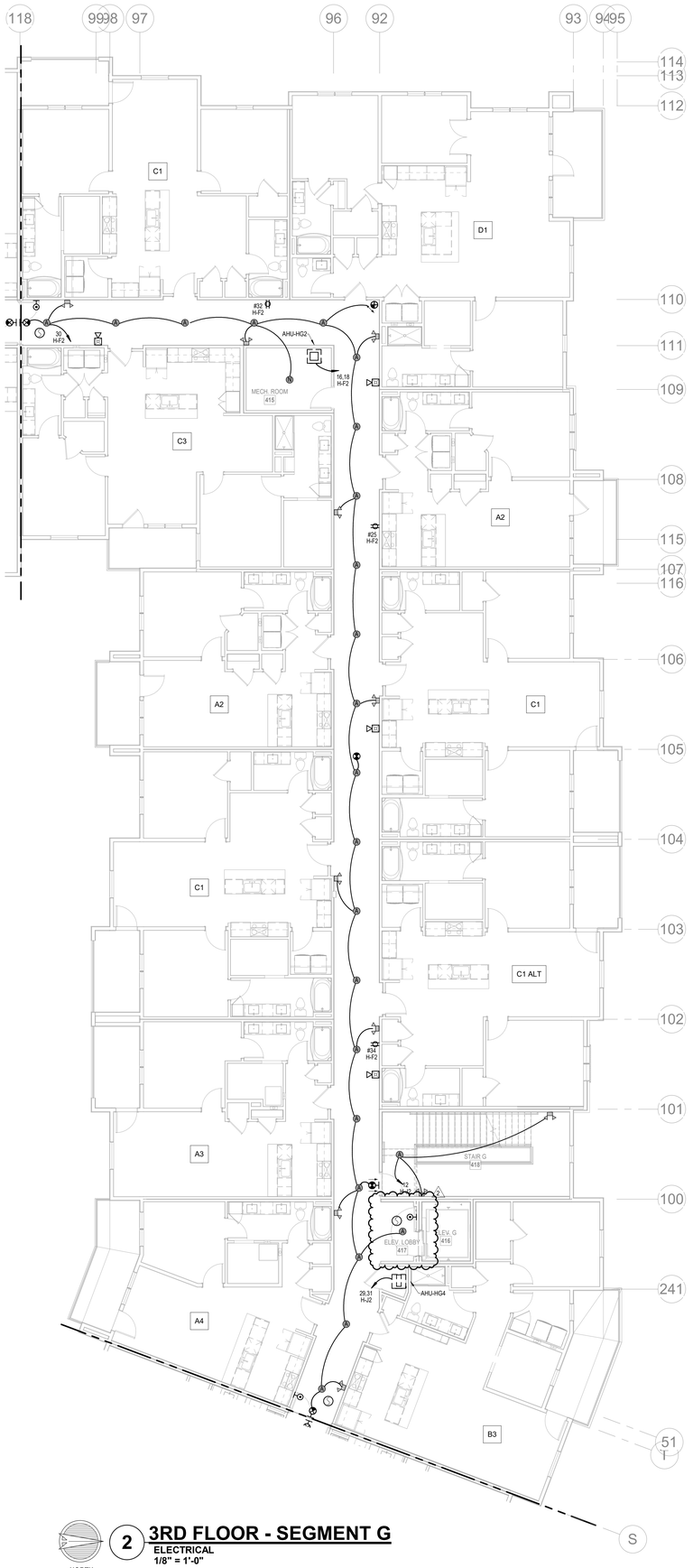
SHEET NO.
E1.29

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: |
|---|
| 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. |
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| 11. LIGHTING AND RECEPTACLES IN STAIR TOWER TO BE ON SINGLE CIRCUIT. |
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04/28/2023

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DRAWING RELEASE LOG
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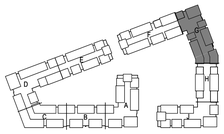


## KEY PLAN
NO SCALE

△ REVISIONS
2 23 0428 ADD 1/CC 2

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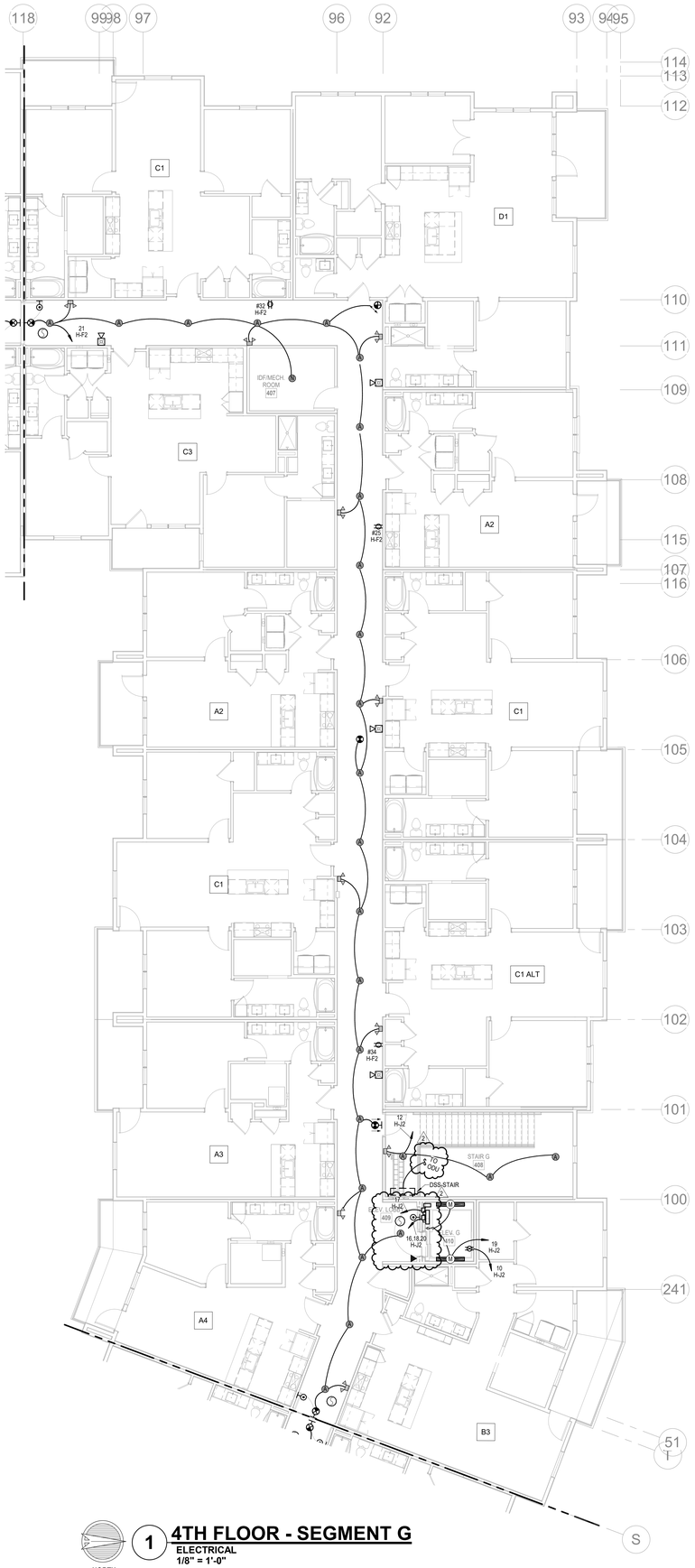
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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

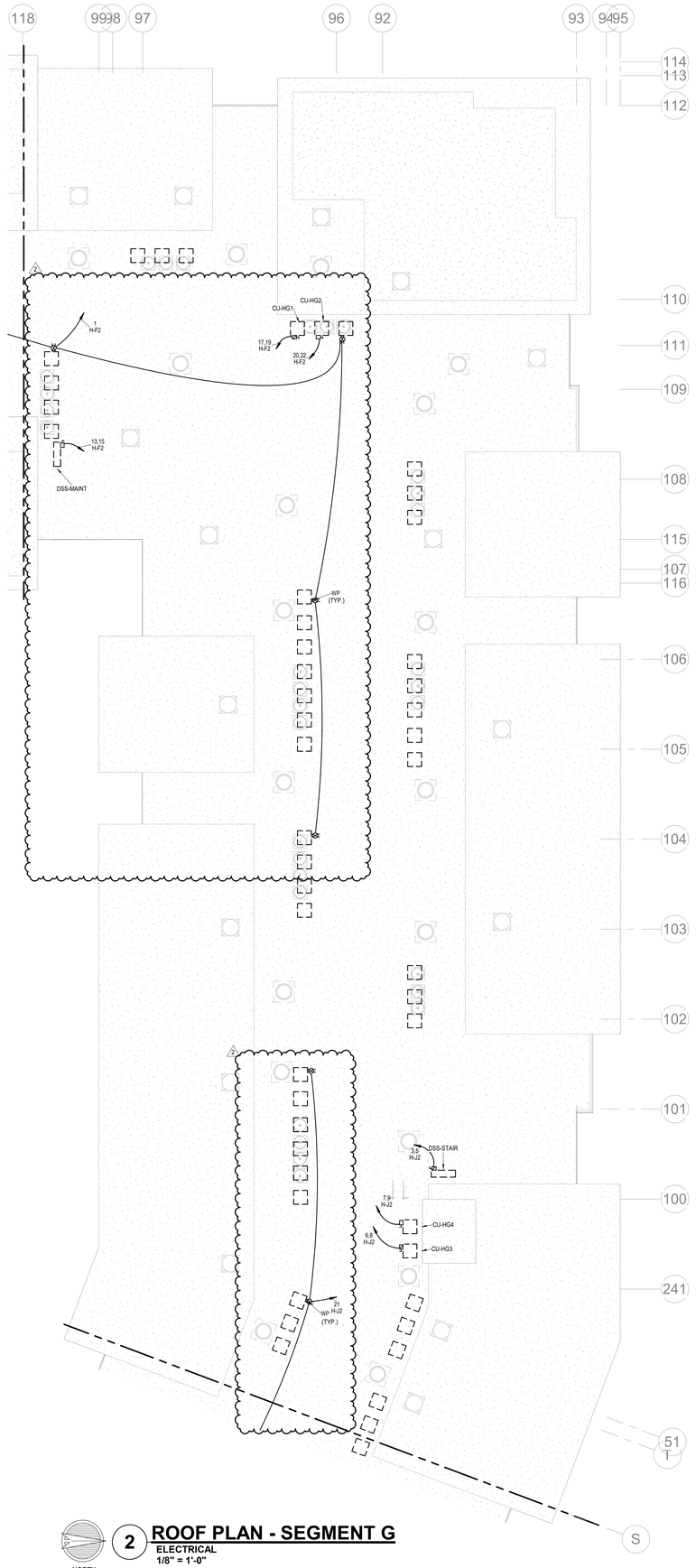
5/1/2023 3:49:35 PM

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

NOTES:

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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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STATE OF MISSOURI
RICHARD R. BEARDMORE
NUMBER A-2007018744
PROFESSIONAL ENGINEER

04/28/2023

A NEW RESIDENTIAL COMMUNITY AT:

# TRILOGY

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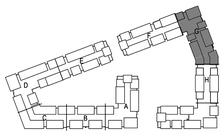
DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



KEY PLAN
NO SCALE

NORTH

△REVISIONS
2 23 0428 ADD 1/CC 2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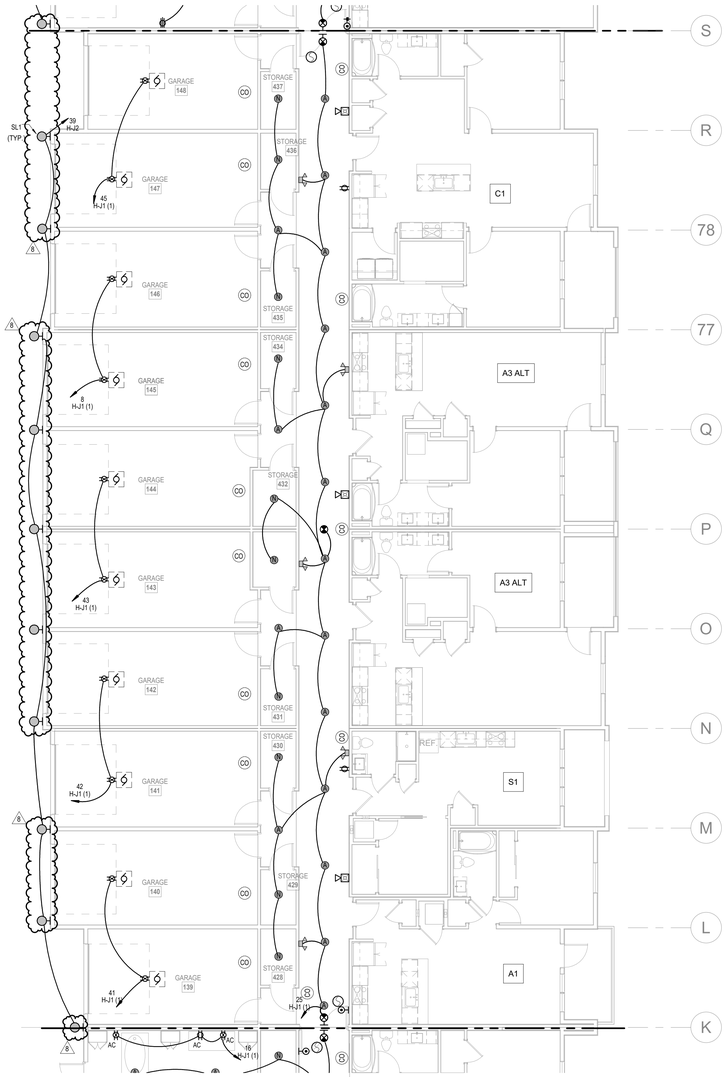
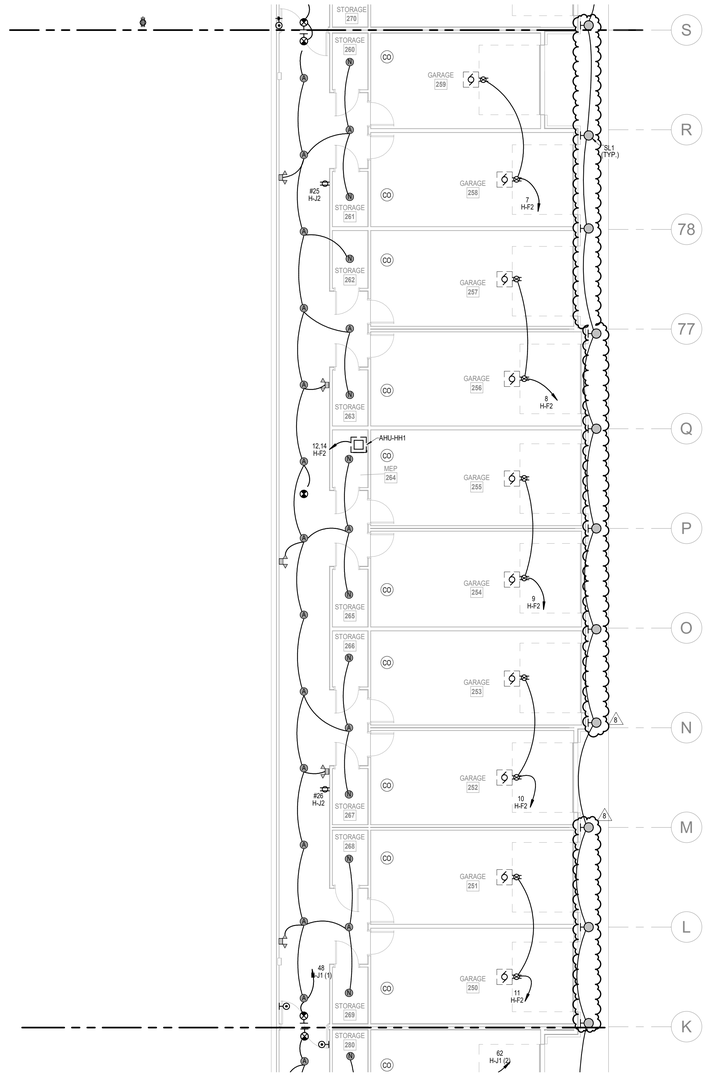
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/28/2023 ADDENDUM 1/ CITY COMMENTS #2
SHEET NAME
SEGMENT 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: |
|---|
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| LEGEND: |
|---|
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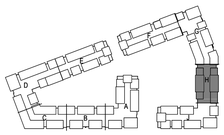

KEY PLAN
NO SCALE
NORTH

△REVISIONS

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


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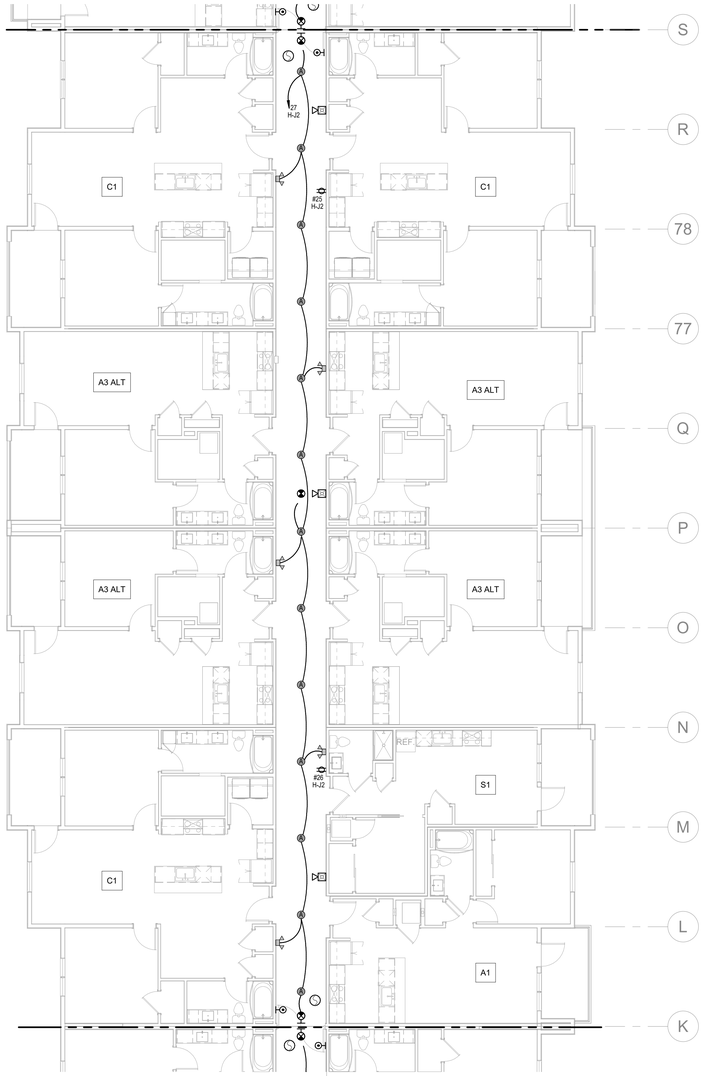
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME SEGMENT H - BASEMENT & 1ST FLOOR - ELECTRICAL
SHEET NO. E1.32

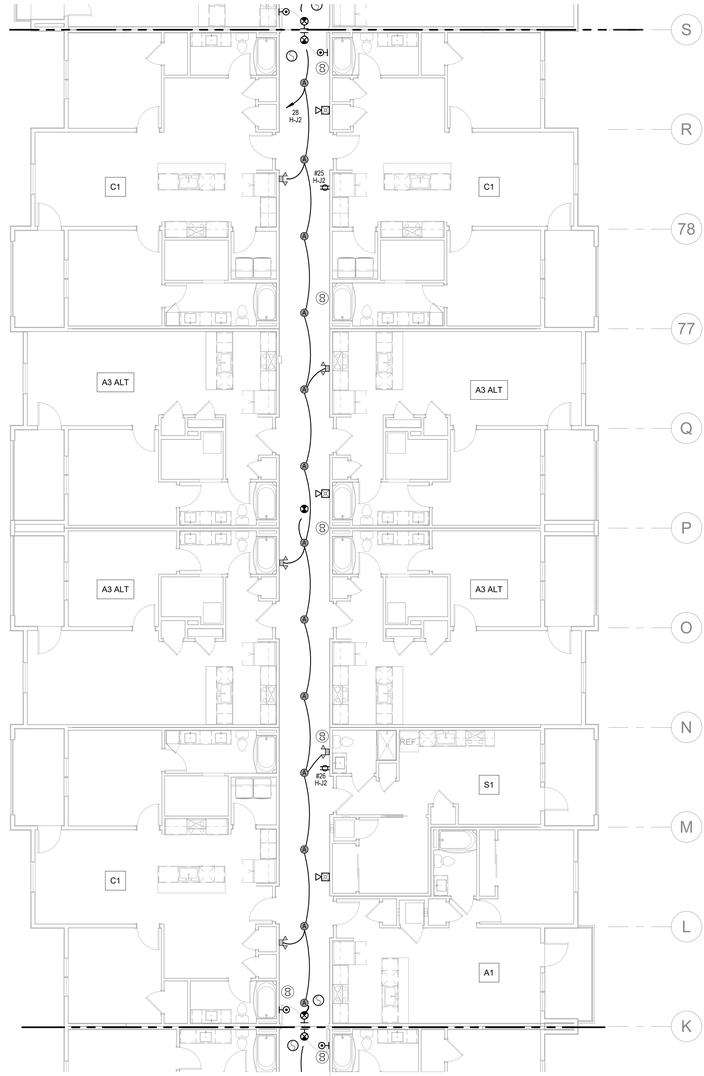
8/10/2023 2:19:01 PM

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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|---|
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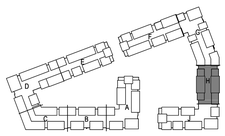

NORTH

**KEY PLAN**
NO SCALE

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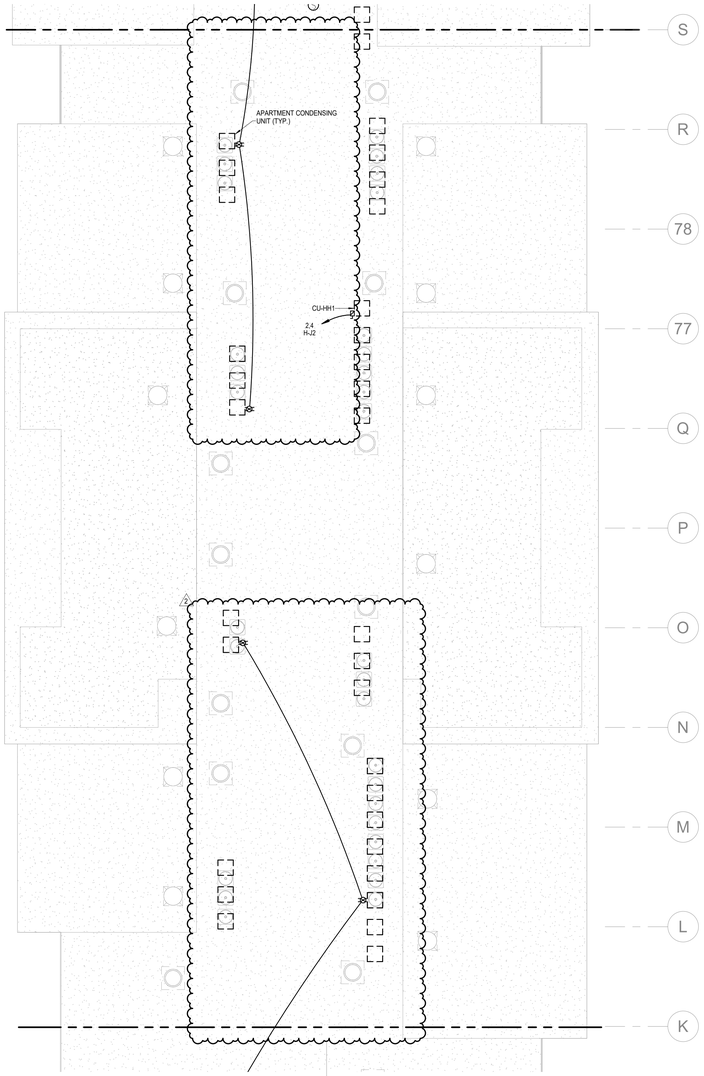
SHEET NO.
E1.33

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

| 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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. |

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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

04/28/2023

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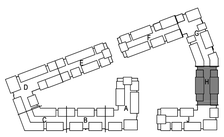
# TRILOGY

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

DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL



NORTH

## KEY PLAN

NO SCALE

△REVISIONS
2 23 0428 ADD 1/CC 2

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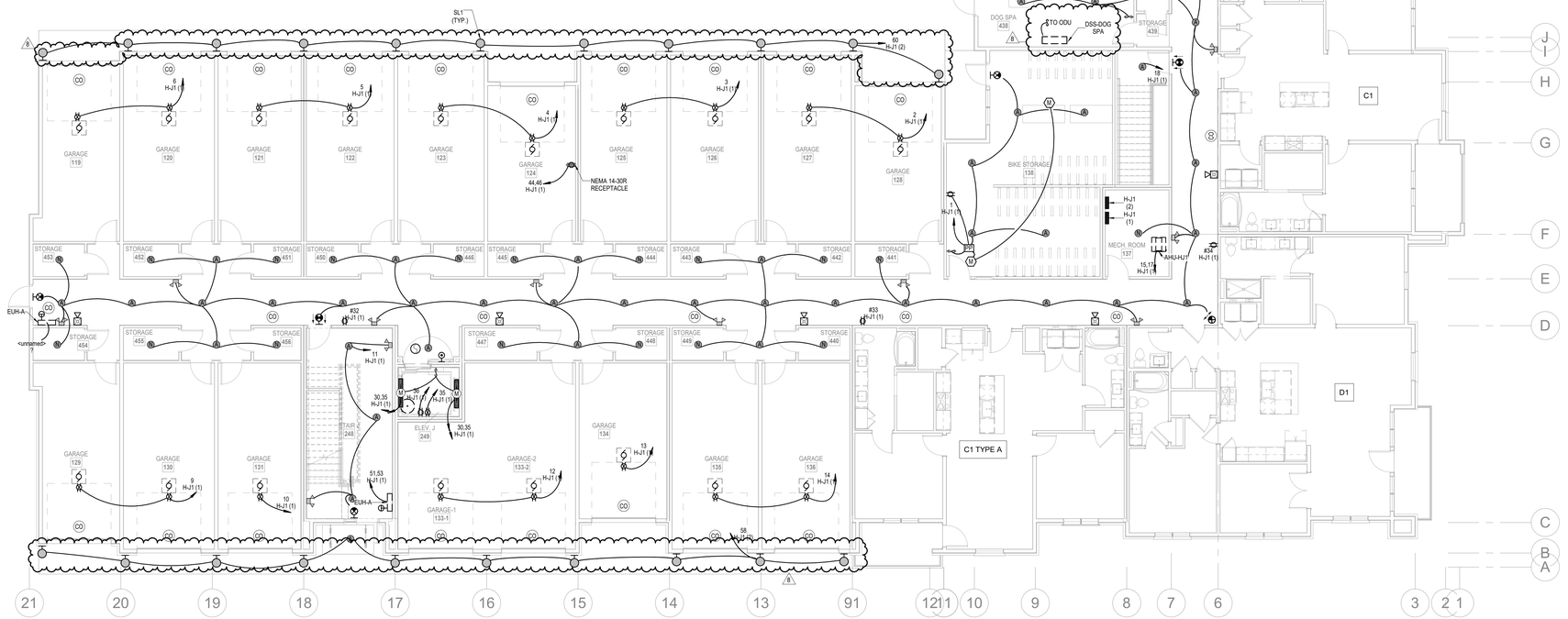
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

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"

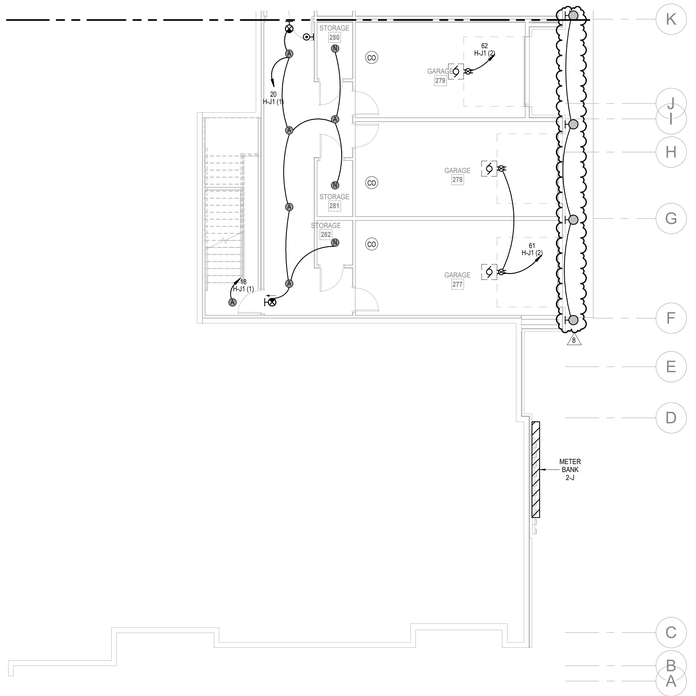



NORTH

## 1 1ST FLOOR - SEGMENT J

**ELECTRICAL**

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




NORTH

## 2 BASEMENT - SEGMENT J

**ELECTRICAL**

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

| 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<br>ALL CLOSET FIXTURES ARE TYPE N UNLESS NOTED OTHERWISE<br>ALL ⊗ ⊗ ⊗ FIXTURES ARE TYPE X1 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X2 UNLESS NOTED OTHERWISE<br>ALL ⊗ FIXTURES ARE TYPE X3 UNLESS NOTED OTHERWISE<br>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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6/9/2023

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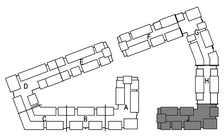

NORTH

## 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 |

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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 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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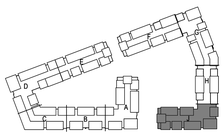

△ REVISIONS
2 23.0428 ADD 1/CC 2

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

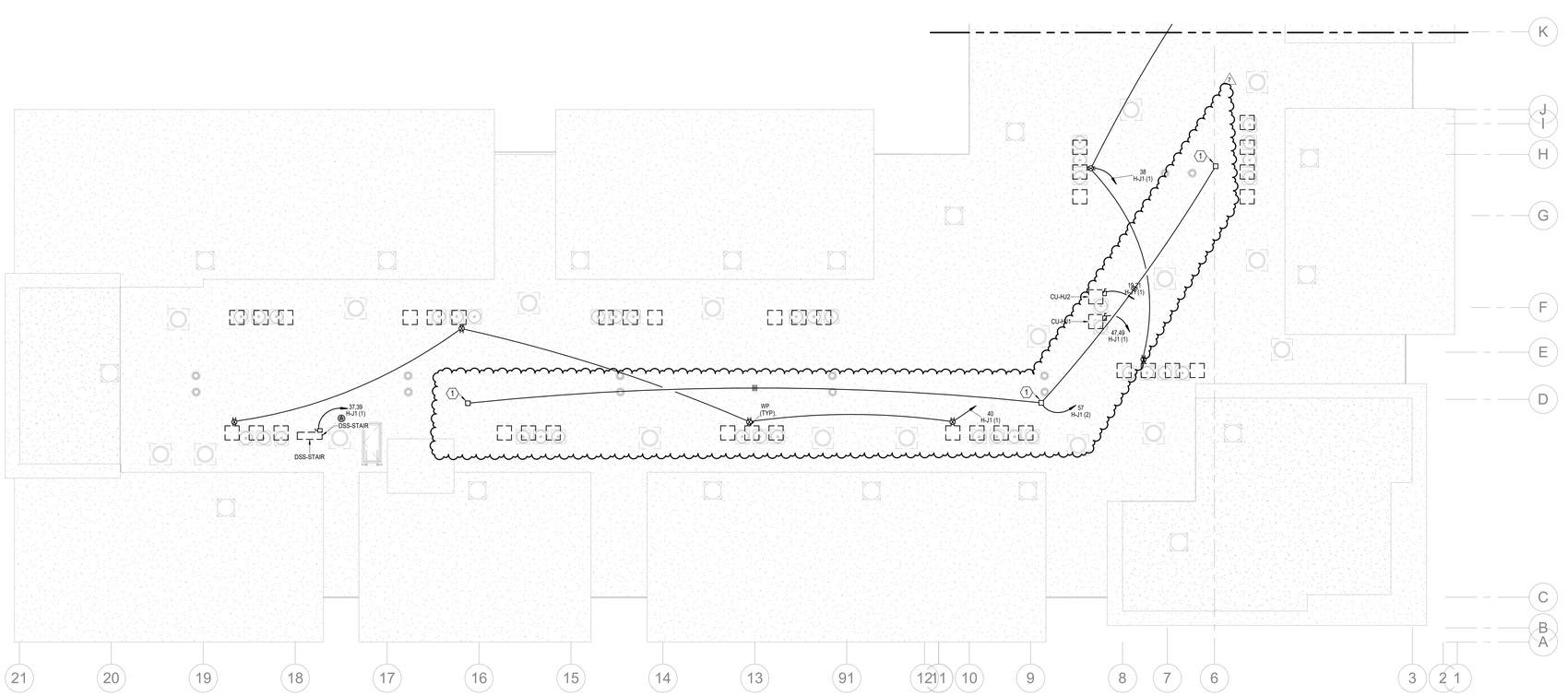
ARCH E1.30" x 42"

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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    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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6/9/2023

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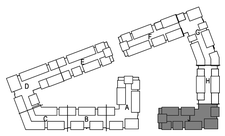
- 03.15.2023 - PERMIT SUBMITTAL



NORTH

## KEY PLAN

NO SCALE

△ REVISIONS

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

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LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD

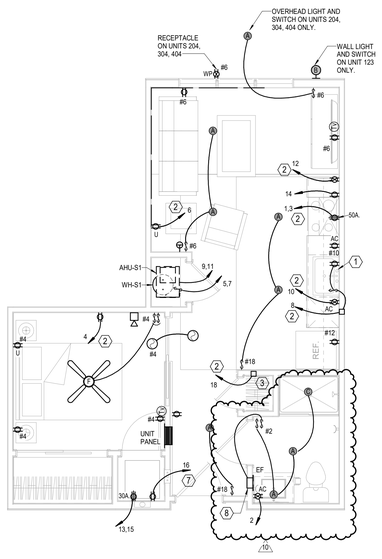
5/17/2023
CITY COMMENTS #3

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

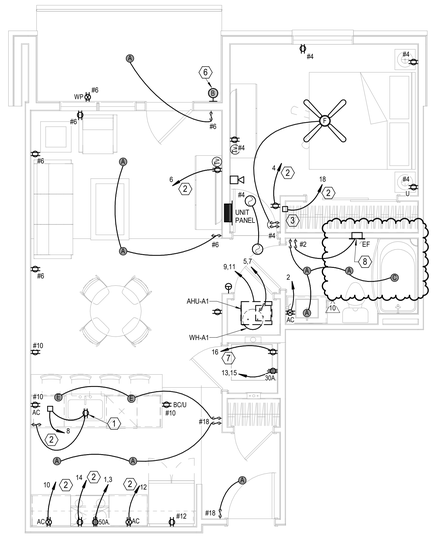
SHEET NO.
E1.37

7/13/2023 4:28:02 PM

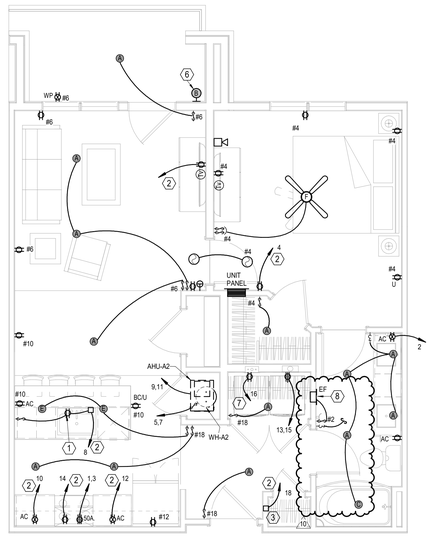
ARCH E1.30" x 42"



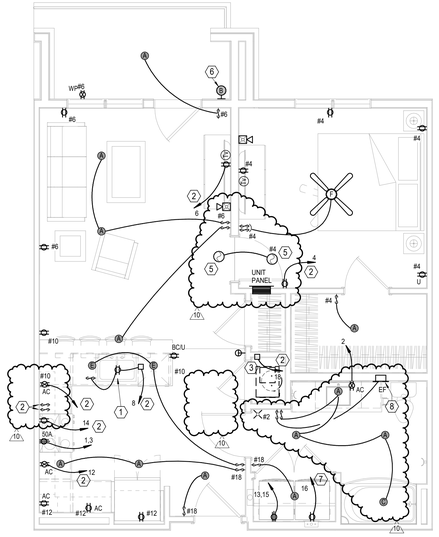

## 1 UNIT S1
**ELECTRICAL**
**1/4" = 1'-0"**




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



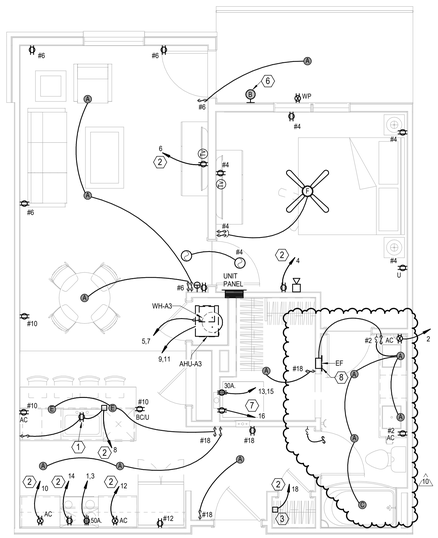

## 3 UNIT A2
**ELECTRICAL**
**1/4" = 1'-0"**



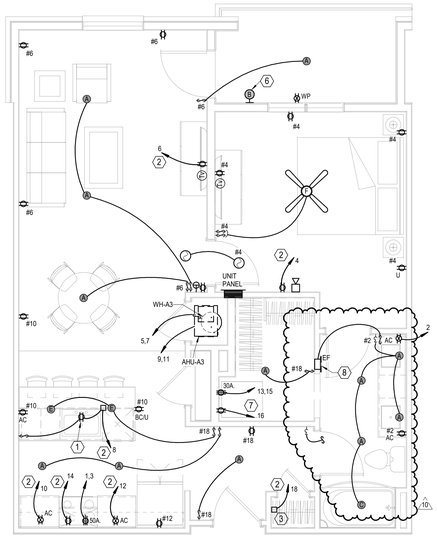

## 4 UNIT A2 TYPE A
**ELECTRICAL**
**1/4" = 1'-0"**

| 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. |

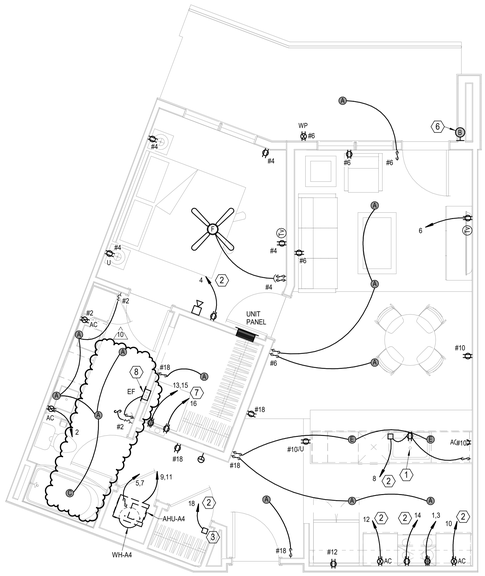
| LEGEND: |
|---|
| (1) SWITCHED RECEPTABLE FOR GARBAGE DISPOSER. CONTINUE CIRCUIT TO DISHWASHER. TO GFI BREAKER. |
| (2) PROVIDE ARC-FAULT BREAKER IN PANEL. |
| (3) TELE/TV DEMARK FLUSH BOX WITH DUPLEX OUTLET. SEE DETAIL. |
| (4) SWITCHES FOR OVERHEAD MW FAN & LIGHT. |
| (5) SMOKE ALARM TO HAVE STROBES. |
| (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. |



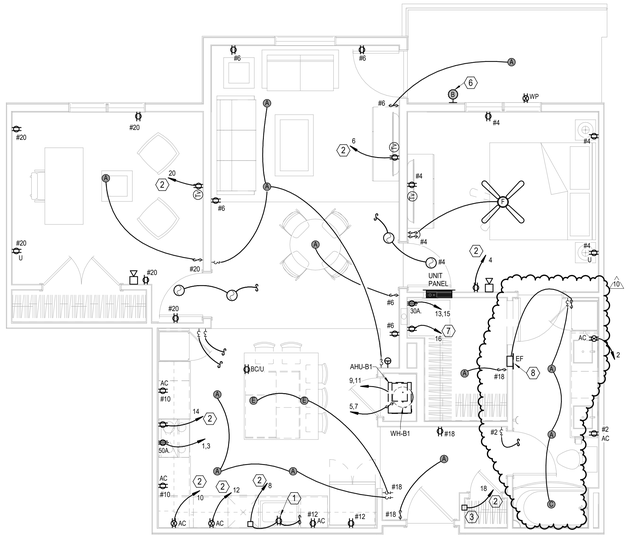

## 5 UNIT A3
**ELECTRICAL**
**1/4" = 1'-0"**




## 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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6/9/2023

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- 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 |

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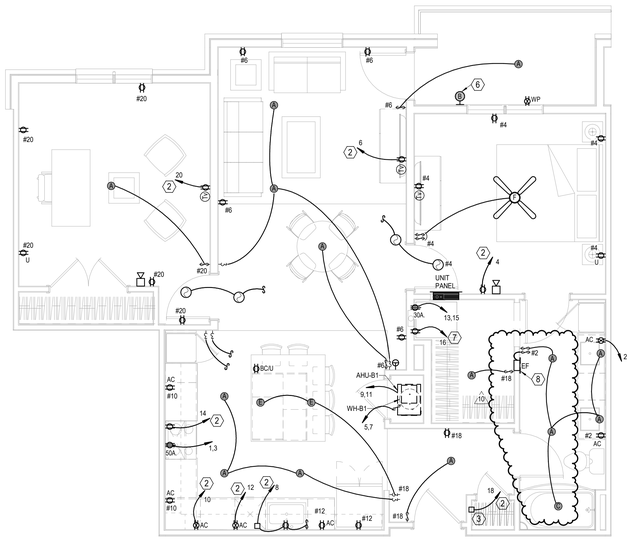
LSA PROJECT NO. 2204061

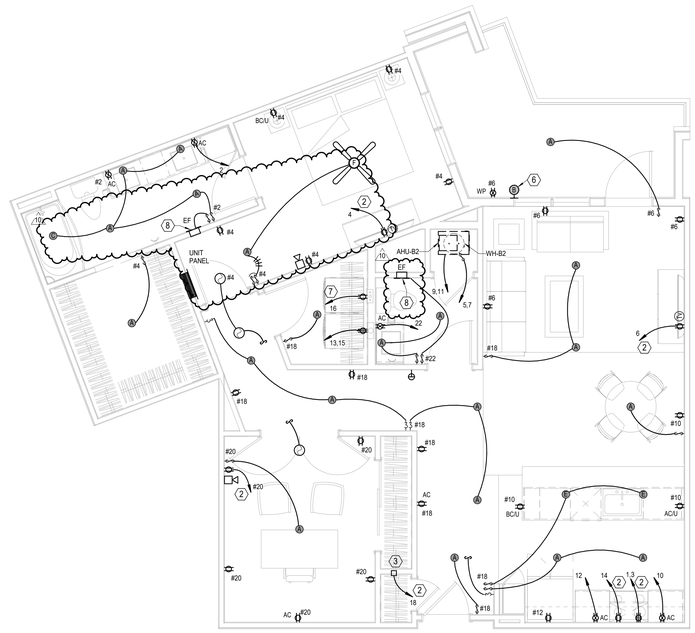
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - ELECTRICAL
SHEET NO. E2.01

9/15/2023 9:44:10 AM

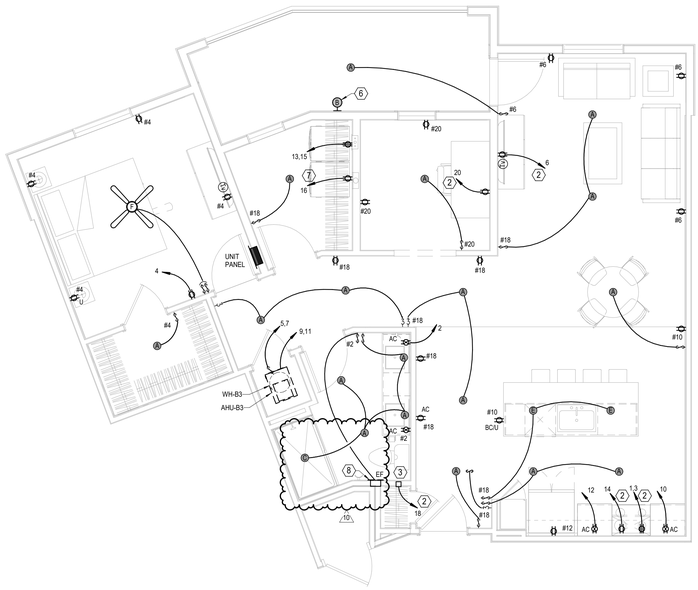
ARCH E1.30" x 42"



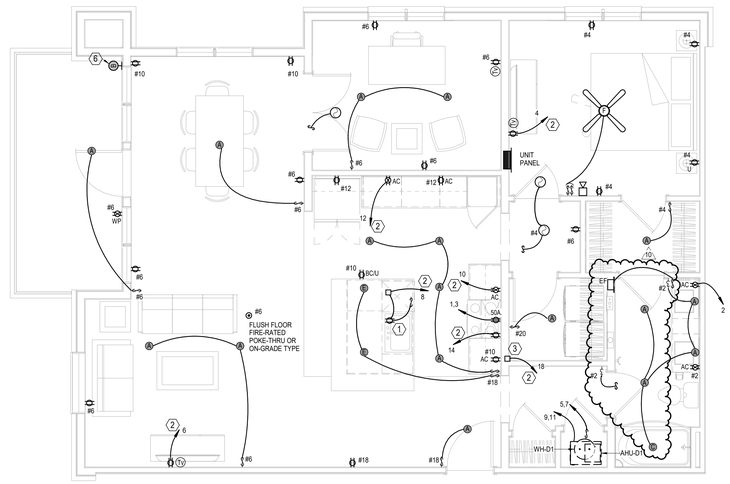

## 1 UNIT B1 ALT
**ELECTRICAL**
**1/4" = 1'-0"**




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




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




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

### 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. (D) = 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.

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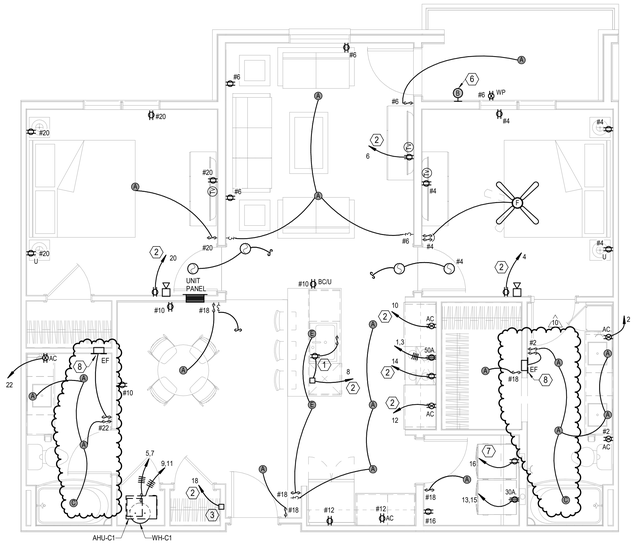
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

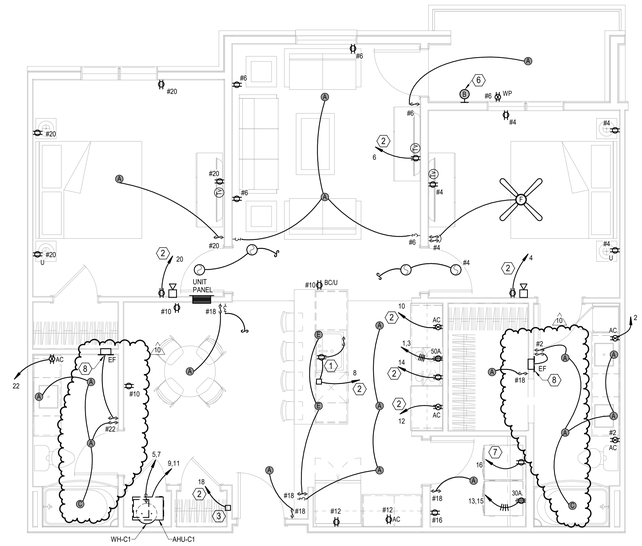
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - ELECTRICAL
SHEET NO. E2.02

9/15/2023 9:44:21 AM

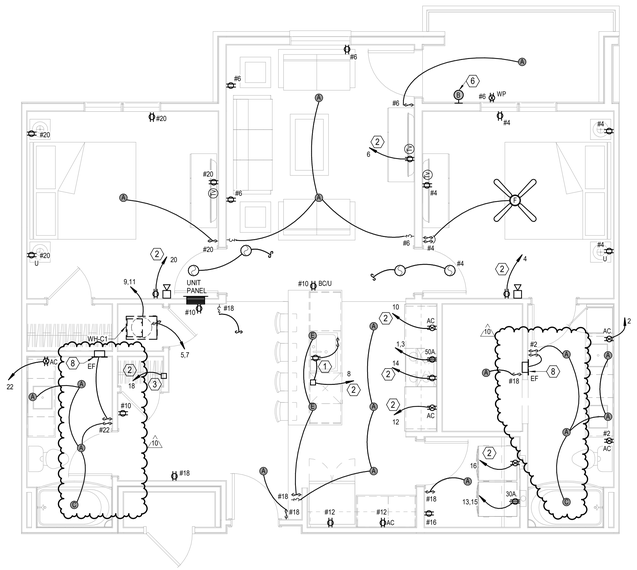
ARCH E1.50" x 42"



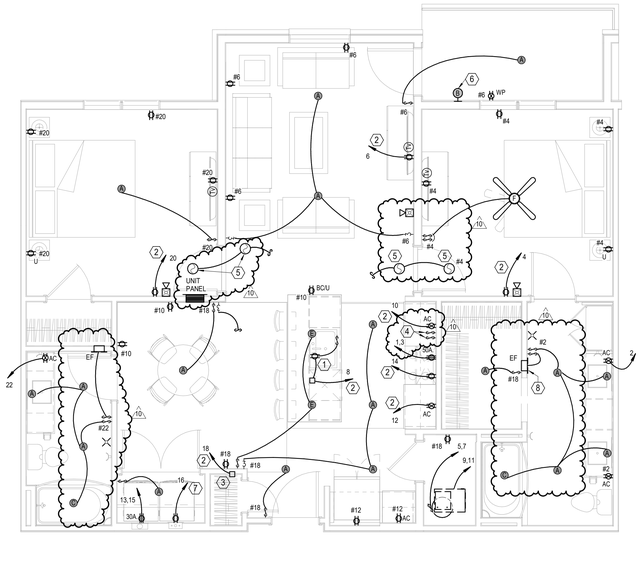

## 1 UNIT C1
**ELECTRICAL**
**1/4" = 1'-0"**



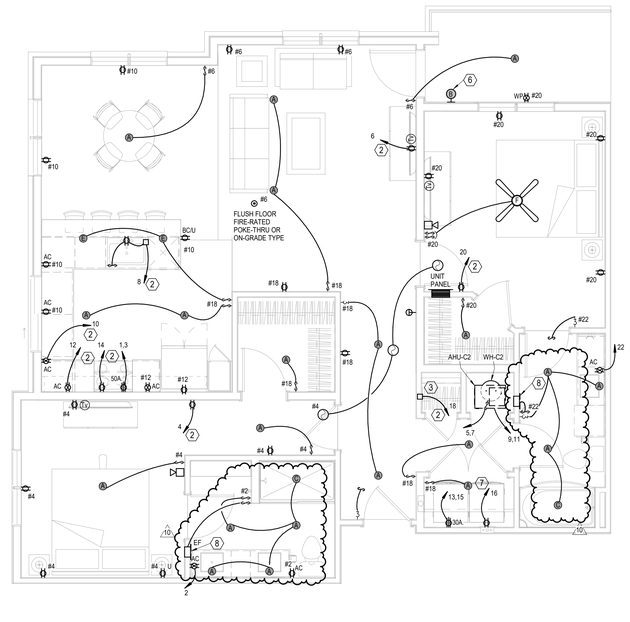

## 2 UNIT C1 ALT
**ELECTRICAL**
**1/4" = 1'-0"**




## 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.
18. PROVIDE ALTERNATE FOR ARC-FAULT CIRCUITS AS SHOWN. BASE BID TO HAVE ARC-FUALT ON BEDROOM AND LIVING ROOM CKTS ONLY.

| LEGEND: |
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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
- 03.15.2023 - PERMIT SUBMITTAL

△REVISIONS

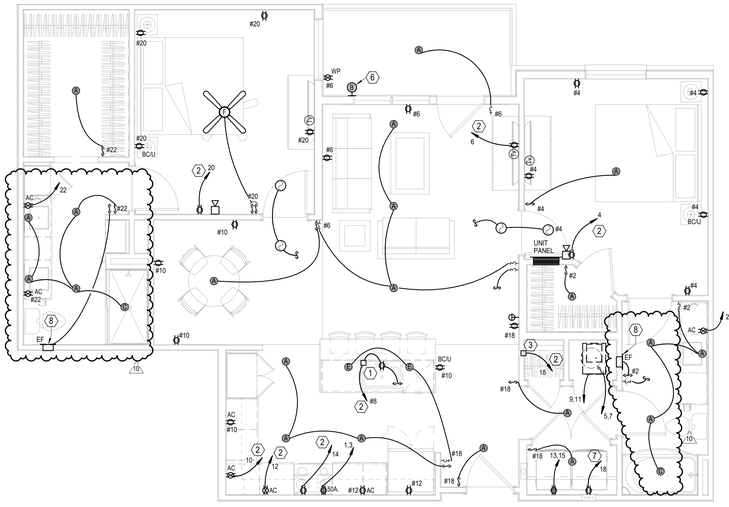
| | | |
|---|---|---|
| 2 | 23.0428 | ADD 1CC 2 |
| 7 | 23-07-13 | ASI 3 |
| 10 | 23-09-15 | ASI 6 |

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

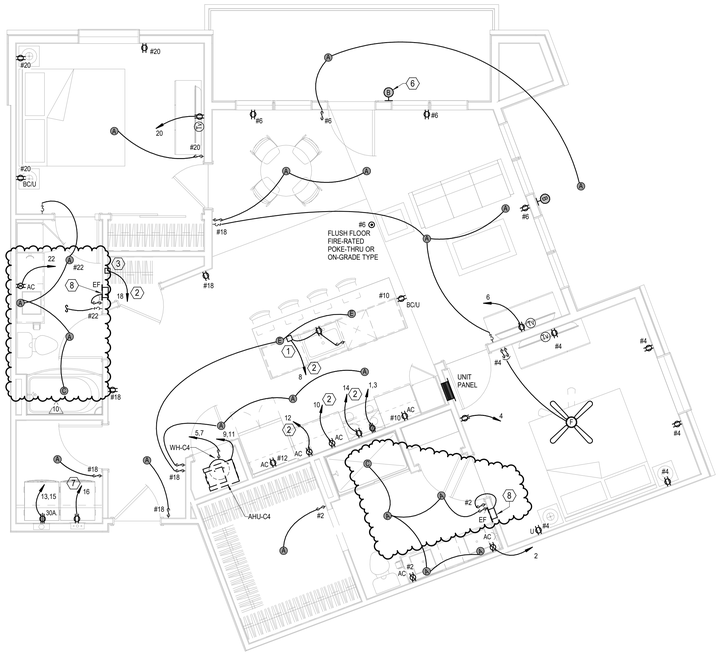
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME UNIT PLANS - ELECTRICAL
SHEET NO. E2.03

9/15/2023 9:44:36 AM

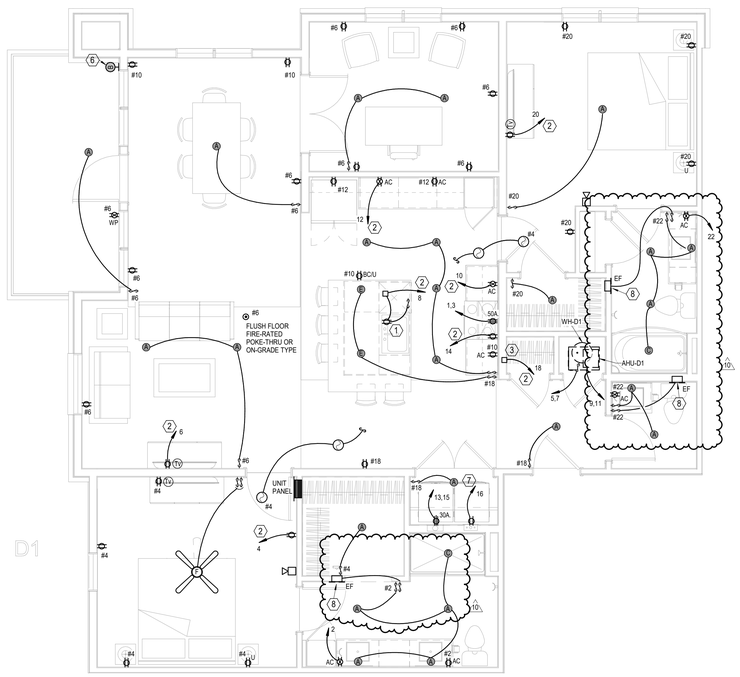
ARCH E1.30" x 42"



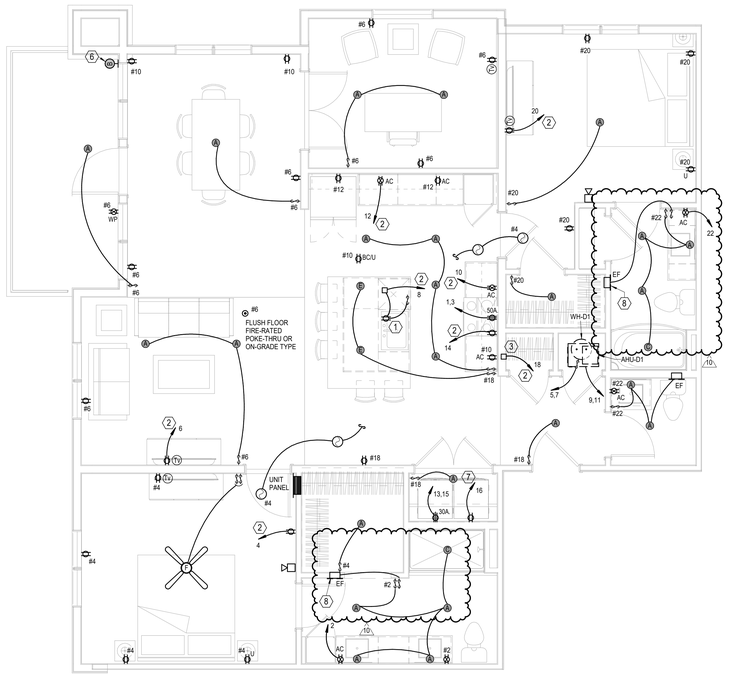

## 1 UNIT C3
**ELECTRICAL**
**1/4" = 1'-0"**




## 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.
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. Ⓢ = 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.
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:

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

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REVISIONS

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| 2 | 23.0428 | ADD 1CC 2 |
| 7 | 23-07-13 | ASI 3 |
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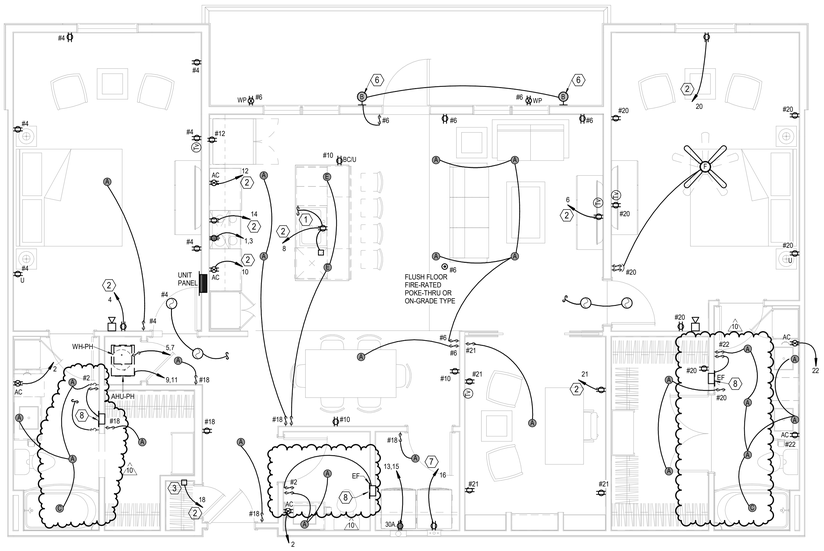
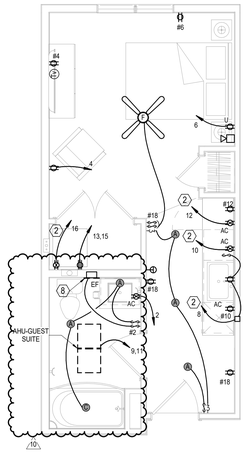
SHEET NAME UNIT PLANS - ELECTRICAL
SHEET NO. E2.04

9/15/2023 9:44:46 AM

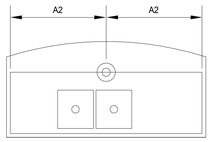
ARCH E1.30" x 42"



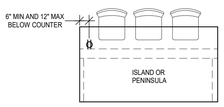

## 1 PENTHOUSE
**ELECTRICAL**
**1/4" = 1'-0"**



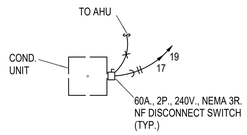

## 2 UNIT - GUEST SUITE
**ELECTRICAL**
**1/4" = 1'-0"**




## 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.
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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

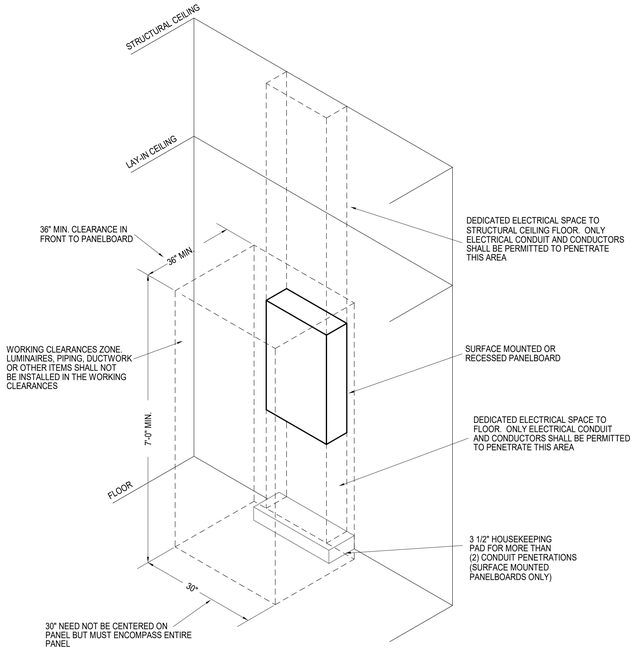
| | | |
|---|---|---|
| 2 | 23-04-28 | ADD 1/CC 2 |
| 7 | 23-07-13 | ASI 3 |
| 10 | 23-09-15 | ASI 6 |


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
UNIT PLANS - ELECTRICAL
SHEET NO.
E2.05

9/15/2023 9:44:52 AM

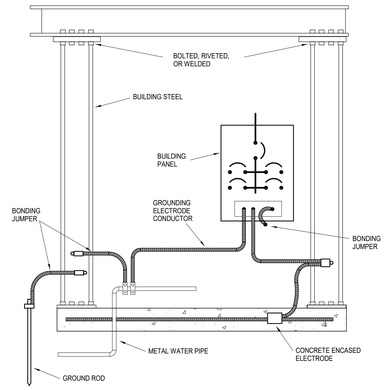
ARCH E1 30" x 42"



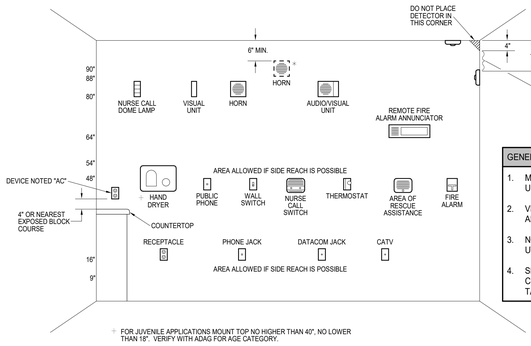

NOTE:

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:

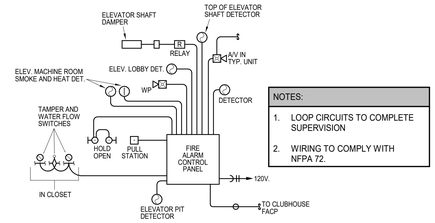
1. MOUNT DEVICES AT HEIGHT INDICATED UNLESS NOTED OTHERWISE ON PLANS.
2. VERIFY MOUNTING IN SIDE REACH AREAS WITH ARCHITECT.
3. NOT ALL DEVICES SHOWN MAY BE UTILIZED ON PROJECT.
4. SEE ARCHITECTURAL DRAWINGS FOR CONFLICTS WITH CHALK BOARDS, TACK BOARDS, AND CASEWORK.

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.

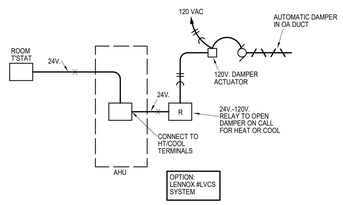
## 3 ELECTRICAL DEVICE MOUNTING HEIGHTS
NOT TO SCALE



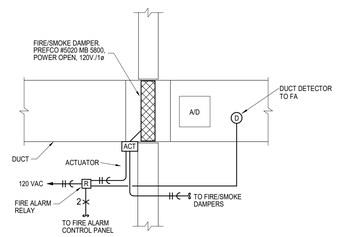

NOTES:

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

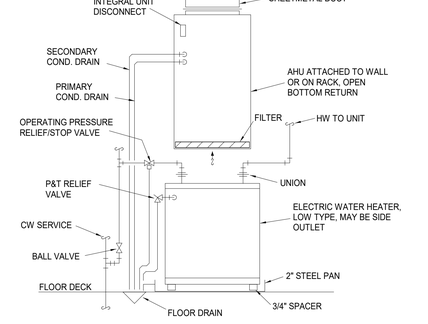
## 4 FIRE ALARM RISER DIAGRAM
NOT TO SCALE




## 5 OUTSIDE AIR DAMPER CONTROL SCHEMATIC
NOT TO SCALE



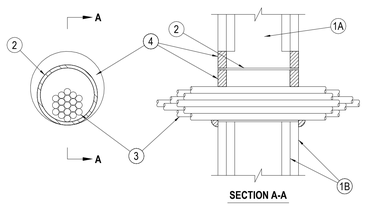

## 6 FIRE/SMOKE DAMPER DETAIL
NOT TO SCALE




## 7 APARTMENT AHU/WATER HEATER
NOT TO SCALE



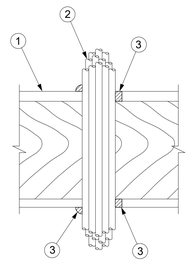

## 8 ELEVATOR DETAIL
NOT TO SCALE




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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STATE OF MISSOURI — RICHARD R. BEARDMORE — NUMBER A-2007018766 — PROFESSIONAL ENGINEER
03/15/2023

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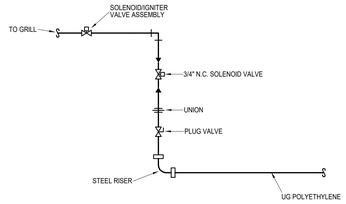
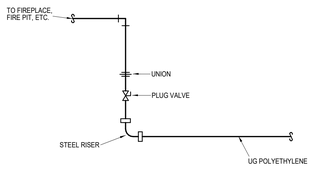
JOB NO. 705921 — DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME ELECTRICAL DETAILS
SHEET NO. E3.01

4/13/2023 9:08:18 PM

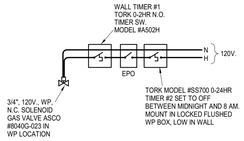
ARCH E1.30" x 42"



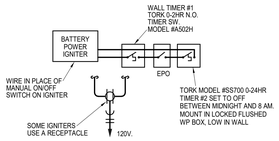

PIPING SCHEMATIC




PIPING SCHEMATIC

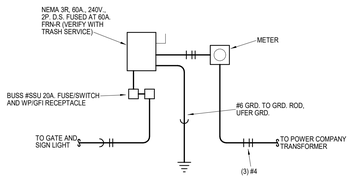



CONTROL SCHEMATIC
(GRILL)

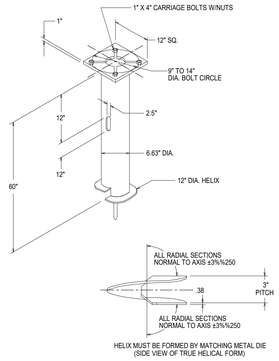



CONTROL SCHEMATIC
(FIRE PIT)

## 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)

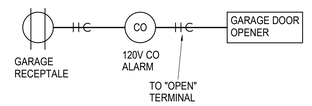
   SHAFT: STEEL PIPE PIPLES, SEAMLESS OR STRAIGHT WELDED, GRADE-B PER ASTM-A53-(LATEST REVISION) MATERIAL STEEL PIPE TYPE E OR S, GRADE-B PER ASTM A53.

   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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ENERGY SERVICES
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RICHARD R. BEARDMORE
NUMBER
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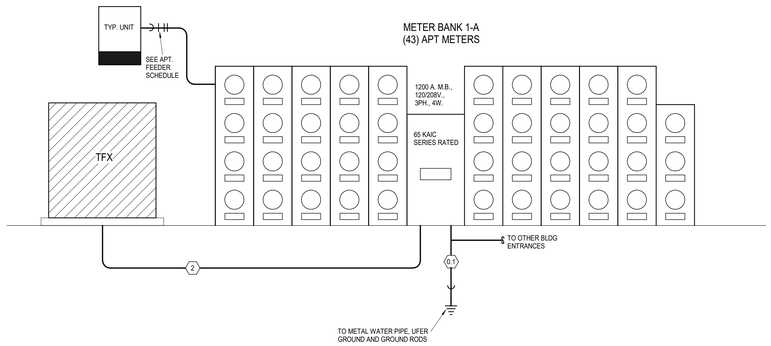
LSA PROJECT NO. 2204061

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

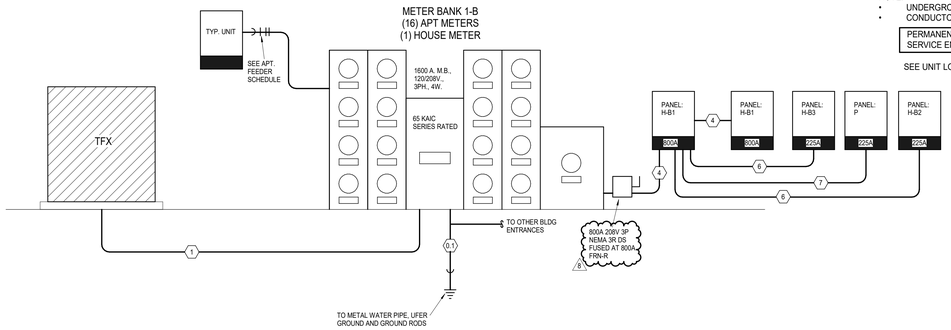
ARCH E1.30" x 42"

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



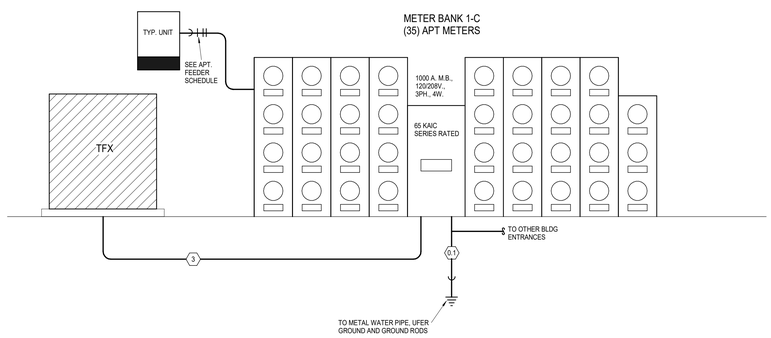

## 1 METER BANK 1-A ELECTRICAL RISER
NOT TO SCALE

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.<br>1 - 1 - 1 - 4 UP TO 150 FT.<br>0 - 0 - 0 - 4 UP TO 185 FT.<br>2/0 - 2/0 - 2/0 - 3 UP TP 235 FT. | 110A.: 1 - 1 - 1 - 4 UP TO 135 FT.<br>0 - 0 - 0 - 4 UP TP 170 FT.<br>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 | |

NSPJ ARCHITECTS, Inc.
ARCHITECTURE LANDSCAPE ARCHITECTURE ENERGY SERVICES
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F. 913.831.1563
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 1/CC 2 |
| 3 | 23 0511 | ADDENDUM 2 |
| 5 | 23-06-09 | ASI 1 |
| 8 | 23-08-11 | ASI 4 |

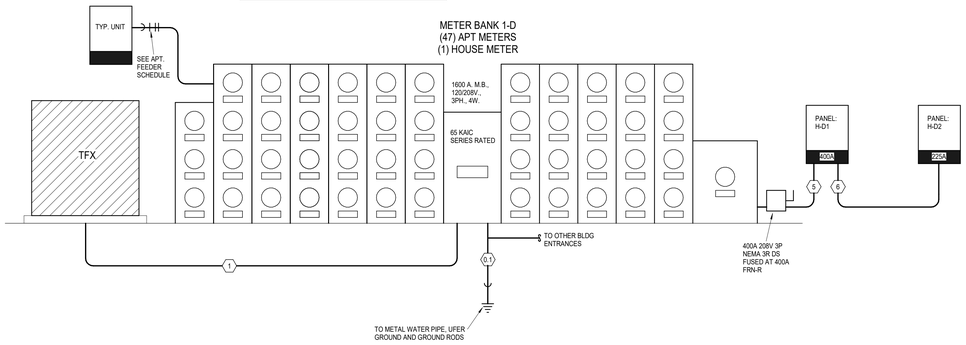
LS&A Lattner Sommers & Associates P.A.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-2974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

JOB NO. 705921 DATE 03.15.2023
DRAWN BY LSA CAD
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"

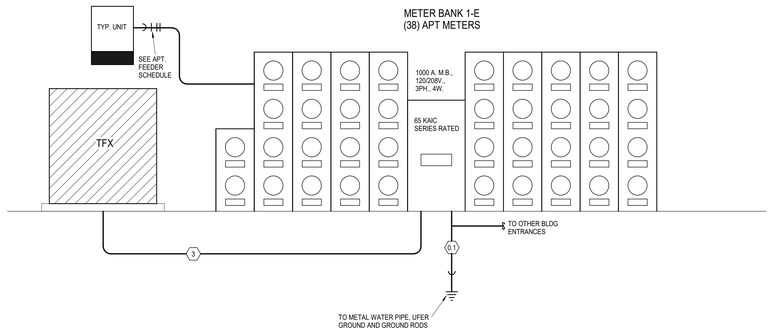
NOTES:
1. VERIFY AVAILABLE FAULT CURRENT WITH POWER CO.
2. LABEL DISCONNECTS AS SERVICE DISCONNECTS AT THE SWITCHBOARDS.




## 1 METER BANK 1-D ELECTRICAL RISER
NOT TO SCALE

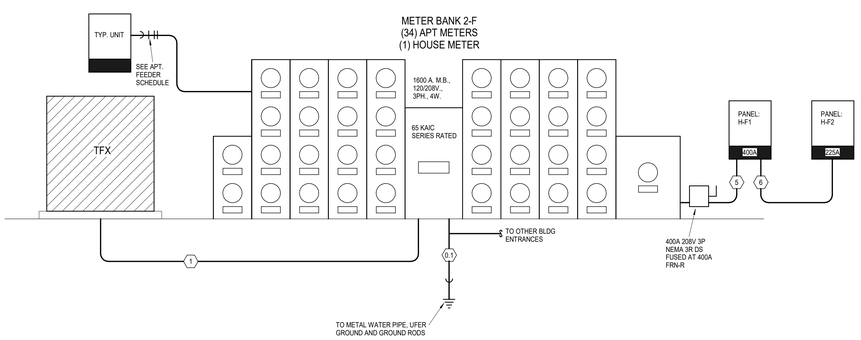
| FEEDER SCHEDULE | | | | | | |
|---|---|---|---|---|---|---|
| MARK | OCP | SETS | NO. COND. | SIZE ALUM. | SIZE GRD. | CONDUIT |
| 0.1 | 0 A | 1 | 1 | | 3/0 CU | 2" |
| 1 | 1600 A | 5 | 4 | 600 KCMIL | | 4" |
| 2 | 1200 A | 4 | 4 | 500 KCMIL | | 3" |
| 3 | 1000 A | 3 | 4 | 400 KCMIL | #3/0 | 3" |
| 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.

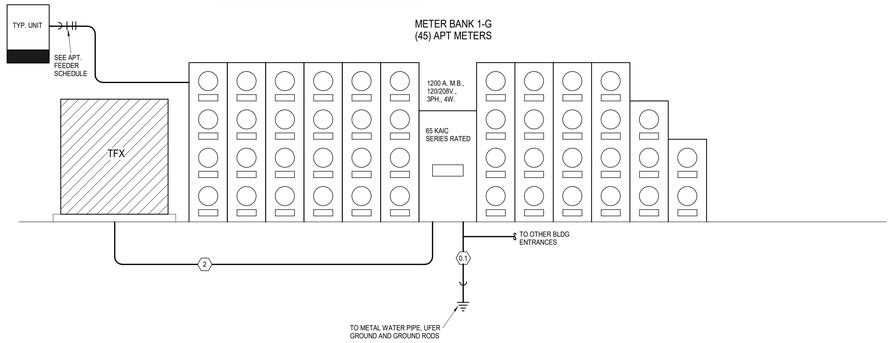



## 2 METER BANK 1-E ELECTRICAL RISER
NOT TO SCALE

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

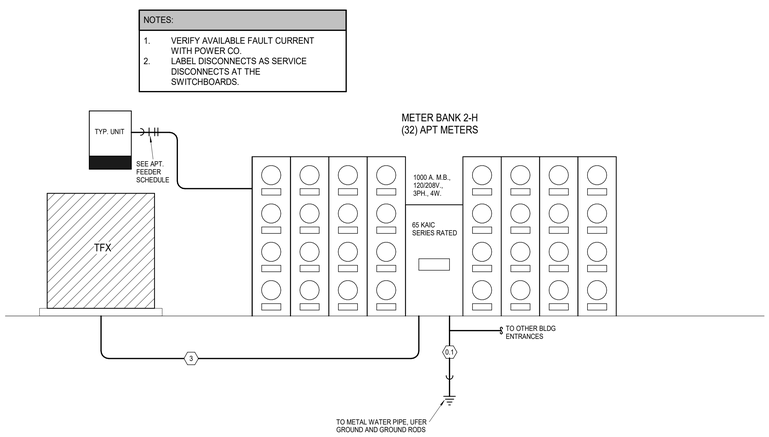



## 3 METER BANK 2-F ELECTRICAL RISER
NOT TO SCALE



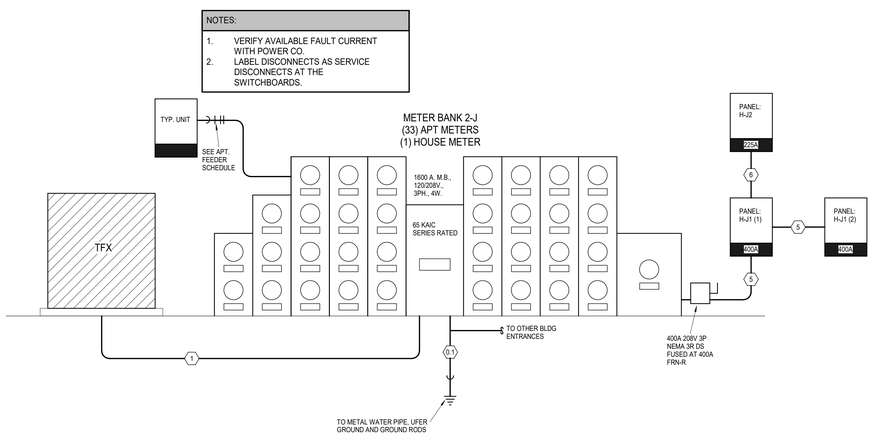

## 4 METER BANK 2-G ELECTRICAL RISER
NOT TO SCALE

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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LANDSCAPE ARCHITECTURE
ENERGY SERVICES
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F. 913.831.1563
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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.
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
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
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 | |


LS&A
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3639 SW Summerfield Drive, Suite A
Topeka, Kansas 6614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 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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NUMBER 2010020010
PROFESSIONAL ENGINEER
6/9/2023

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DRAWING RELEASE LOG
• 03.15.2023 - PERMIT SUBMITTAL

△ REVISIONS
1 23-06-09 ASI 1

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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 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. |

## 1 BUILDING 1 - OVERALL 1ST FLOORPLAN

TELECOM

1/16" = 1'-0"

NORTH

KEY PLAN

NO SCALE

NORTH


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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 |
| 10 | 23-09-15 | ASI 6 |


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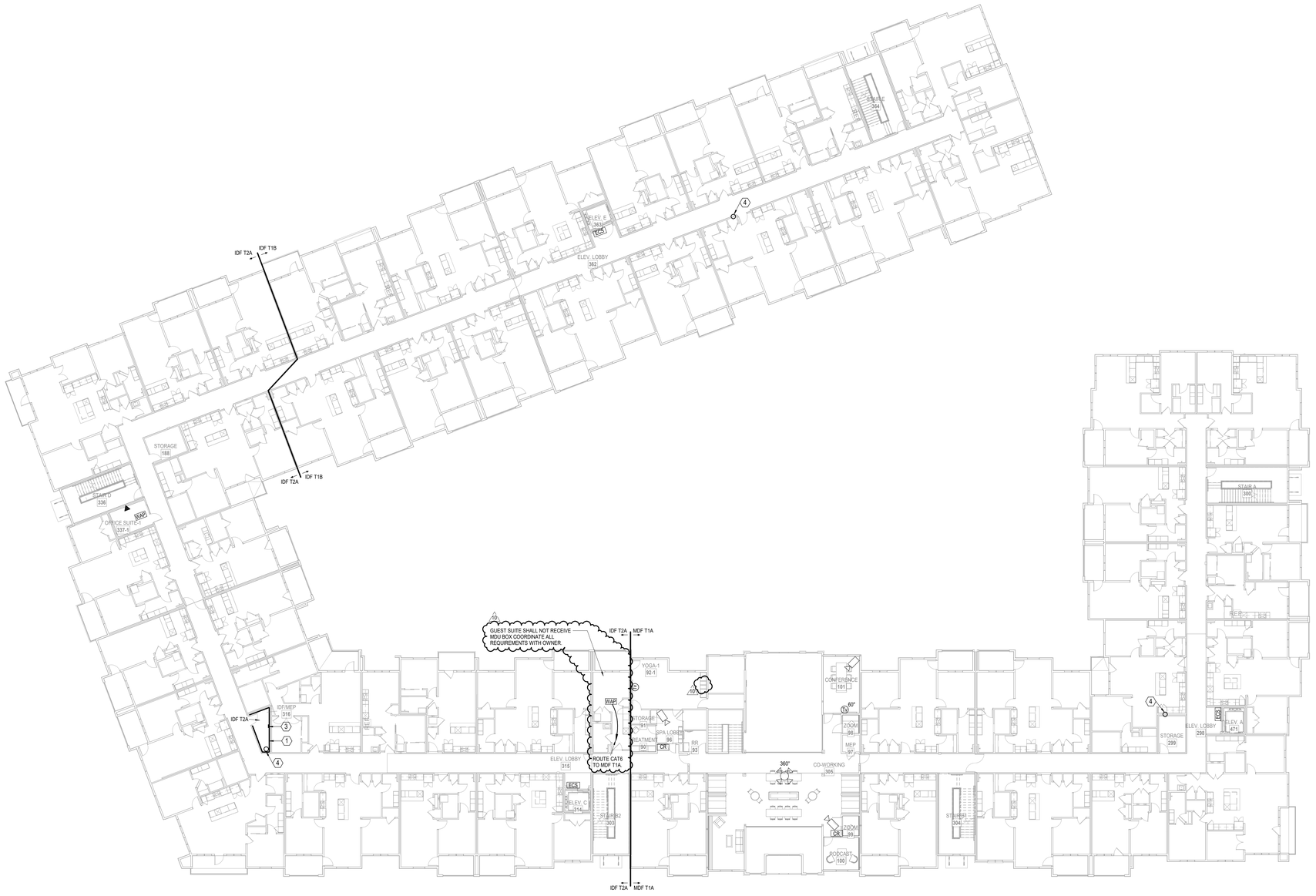
LSA PROJECT NO. 2204061

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME BUILDING 1 - OVERALL 1ST FLOORPLAN
SHEET NO. T1.01

9/15/2023 9:46:00 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. |
| (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. |






## 1 BUILDING 1 - OVERALL 2ND FLOORPLAN

TELECOM

1/16" = 1'-0"

NORTH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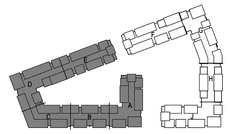


NORTH

**KEY PLAN**

NO SCALE

△ REVISIONS

| | | |
|---|---|---|
| 8 | 23-09-11 | 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
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. |
| (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. |

## 1 BUILDING 1 - OVERALL 3RD FLOORPLAN

**TELECOM**

**1/16" = 1'-0"**

NORTH


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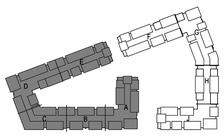

NORTH

**KEY PLAN**

NO SCALE

REVISIONS

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 BUILDING 1 - OVERALL 3RD FLOORPLAN
SHEET NO. T1.03

8/10/2023 2:21:14 PM

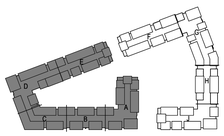
ARCH E1.30" x 42"

| 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. |
| (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. |

NORTH

## 1 BUILDING 1 - OVERALL 4TH FLOORPLAN

**TELECOM**
**1/16" = 1'-0"**



NORTH

**KEY PLAN**
NO SCALE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6/9/2023

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8 23-08-11 ASI 4


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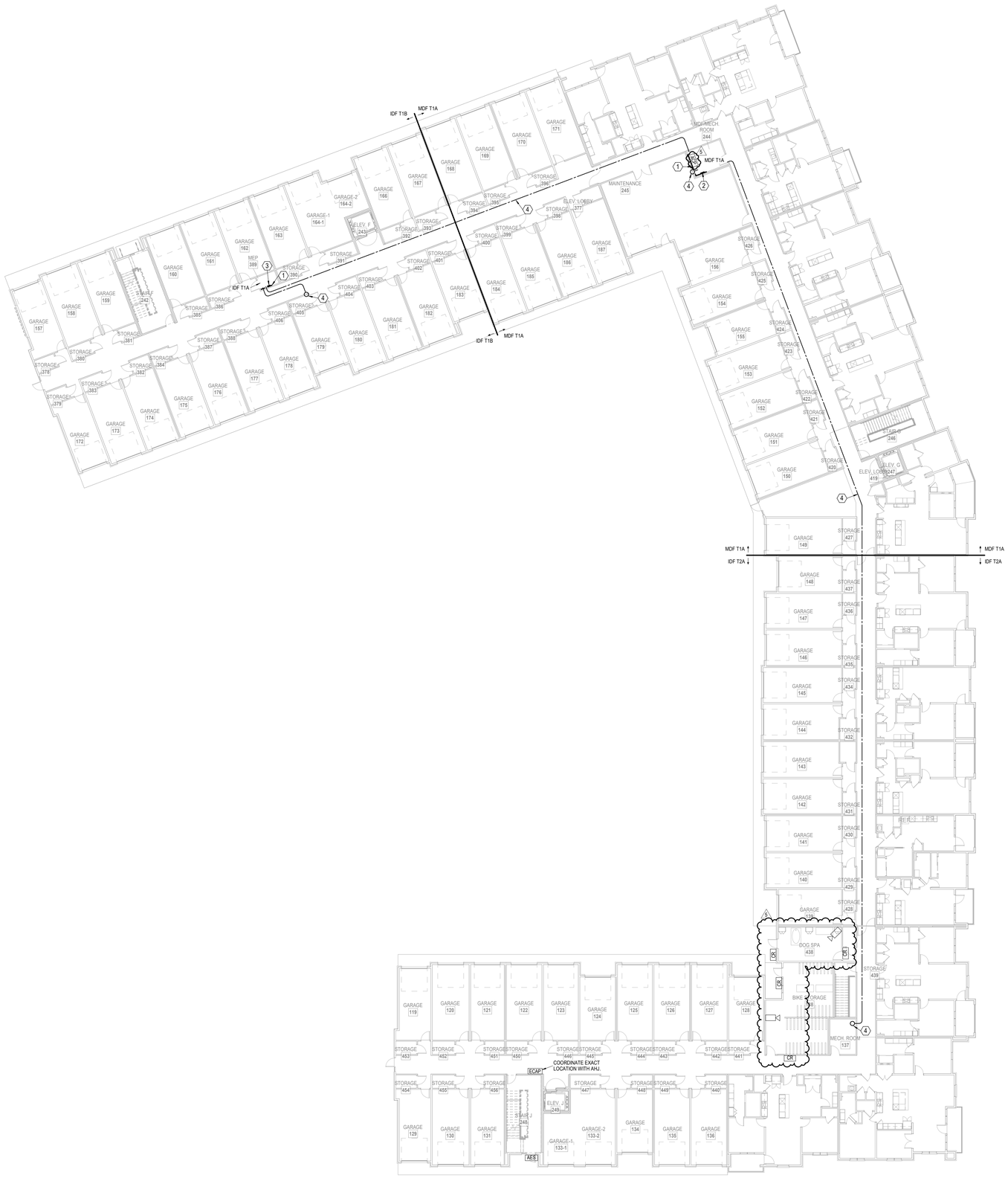
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061

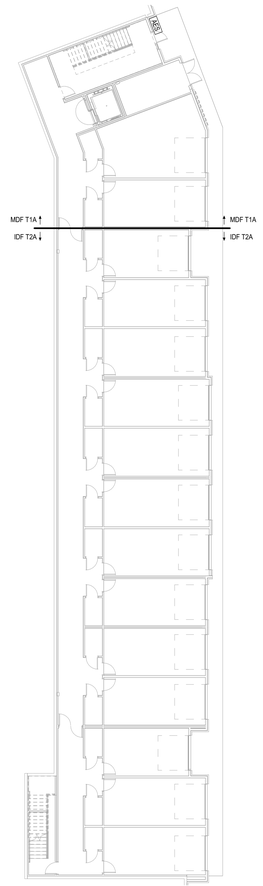

JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023
CITY COMMENTS #3
SHEET NAME
BUILDING 1 - OVERALL 4TH FLOORPLAN
SHEET NO.
T1.04

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. |
| (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. |




## 1 BUILDING 2 - OVERALL 1ST FLOORPLAN

TELECOM

1/16" = 1'-0"

NORTH

## 2 BUILDING 2 - OVERALL BASEMENT

TELECOM

1/16" = 1'-0"

NORTH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NUMBER A-2007018744
PROFESSIONAL ENGINEER
6/9/2023

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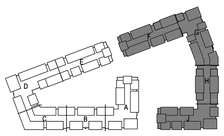

KEY PLAN
NO SCALE

NORTH

REVISIONS
2 23.0428 ADD 1CC 2
5 23-06-09 ASI 1


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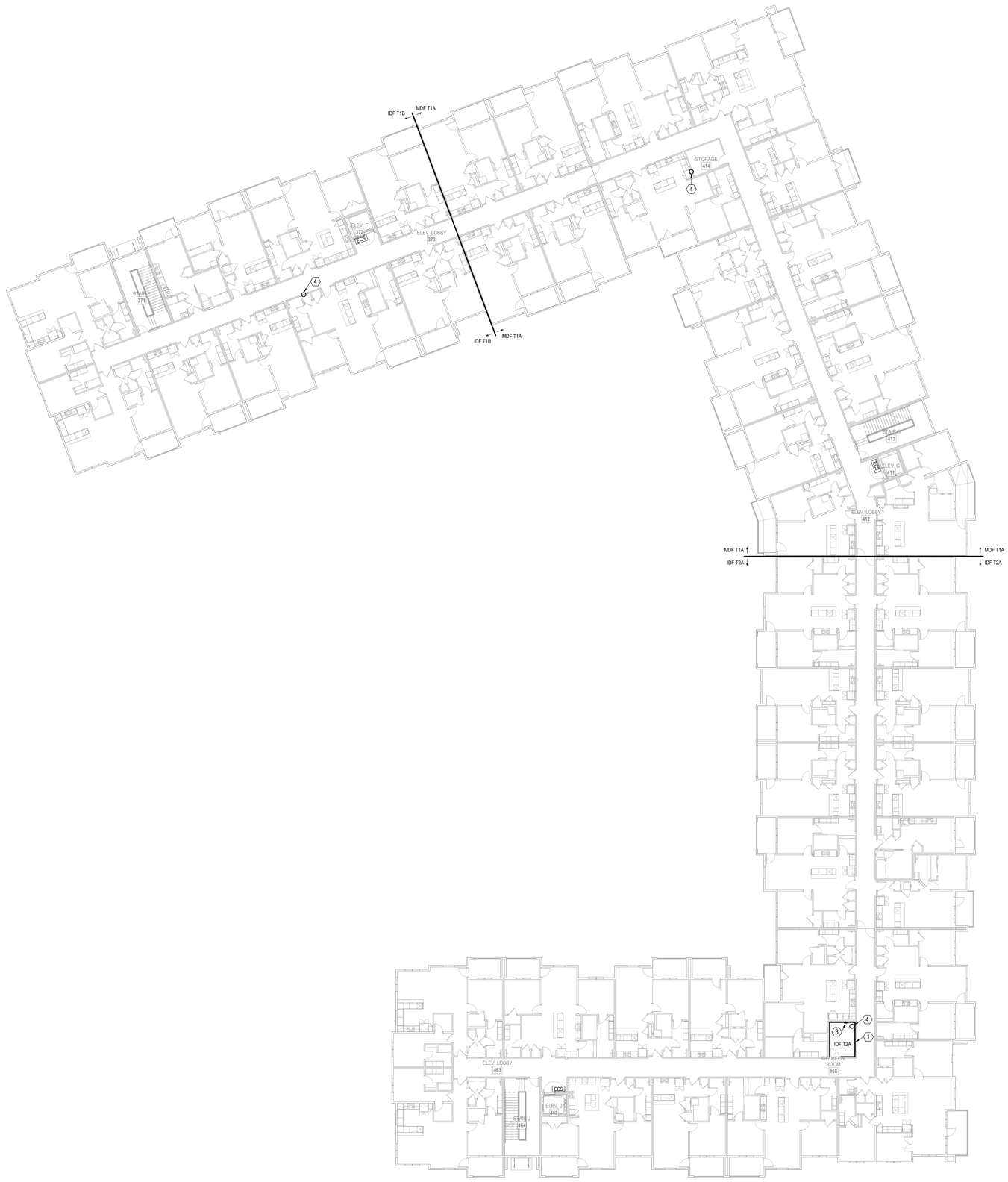
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
5/17/2023 CITY COMMENTS #3
SHEET NAME BUILDING 2 - OVERALL BSMT & 1ST FLOORPLAN
SHEET NO. T1.05

6/12/2023 5:48:28 PM

ARCH E1.30" x 42"




1 **BUILDING 2 - OVERALL 2ND FLOORPLAN**
TELECOM
1/16" = 1'-0"

NORTH

| 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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NUMBER
PROFESSIONAL ENGINEER
03/15/2023

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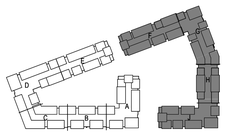

NORTH

KEY PLAN


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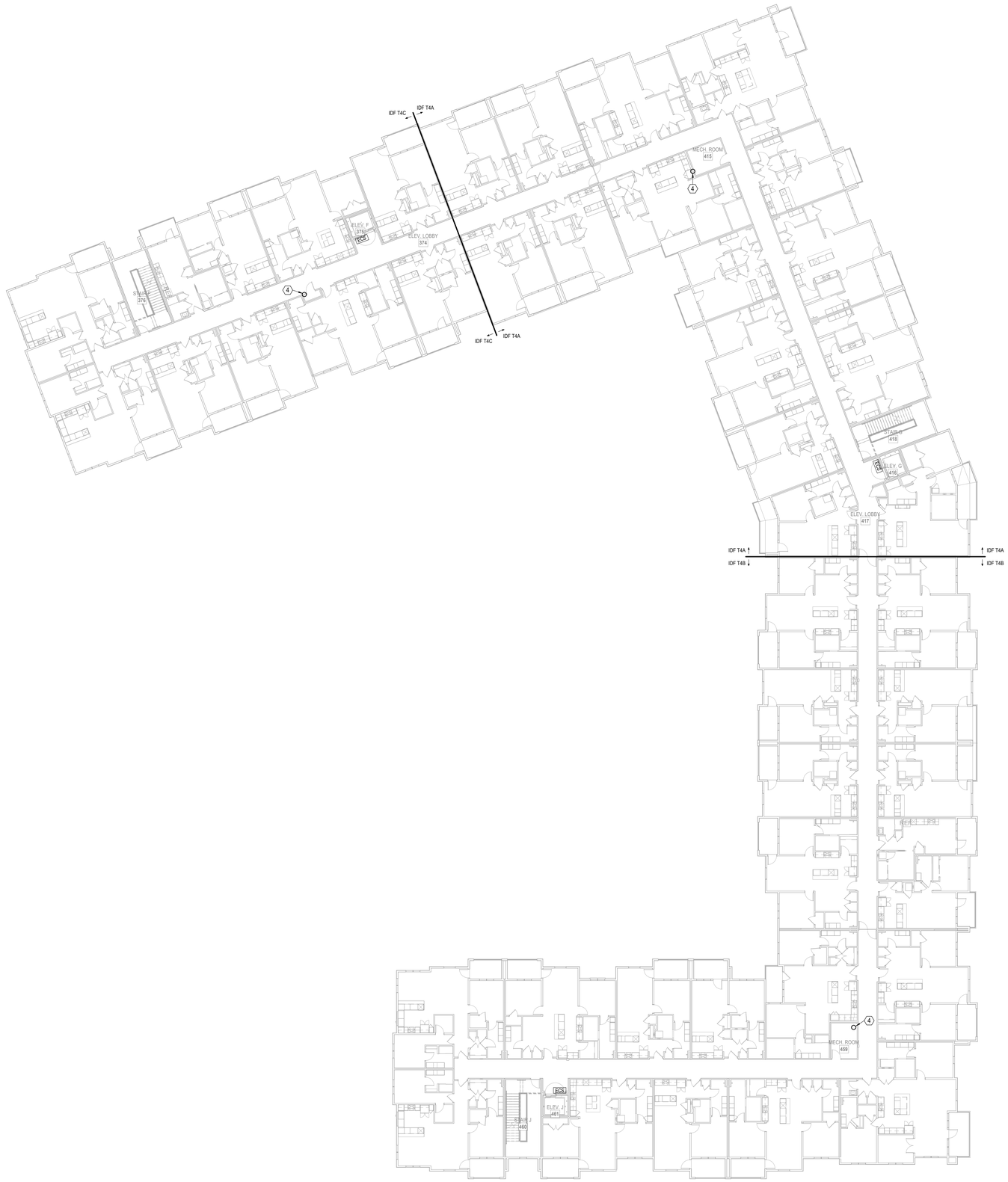
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME BUILDING 2 - OVERALL 2ND FLOORPLAN
SHEET NO. T1.06

4/13/2023 1:12:28 PM

ARCH E1.30" x 42"




NORTH

## 1 BUILDING 2 - OVERALL 3RD 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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LANDSCAPE ARCHITECTURE
ENERGY SERVICES

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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

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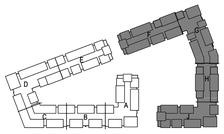

NORTH

KEY PLAN

DISCIPLINE PLAN


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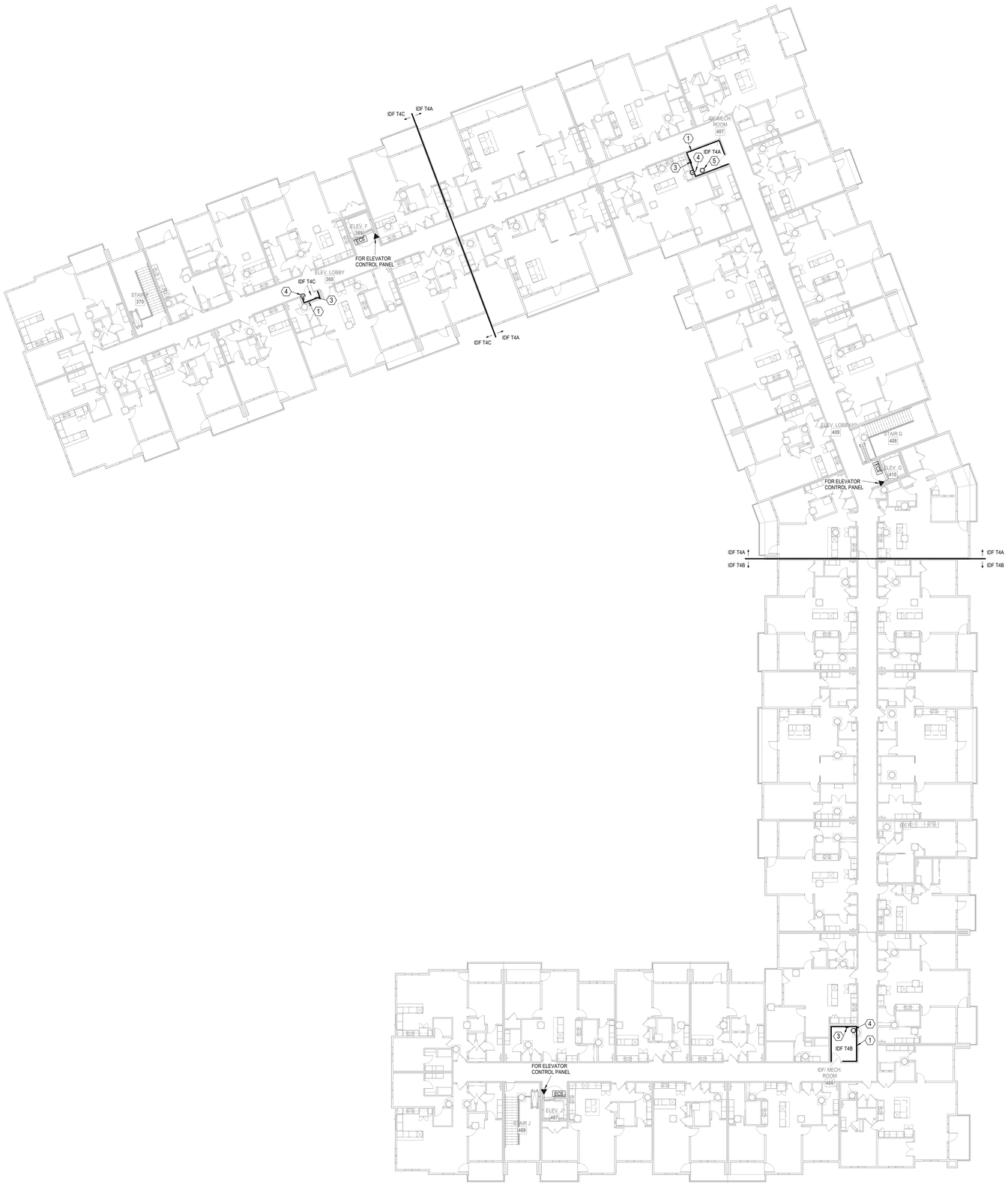
CONSULTING ENGINEERS
3639 SW Summerfield Drive, Suite A
Topeka, Kansas 66614-3974
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Telephone: (785) 233-3232
Email: lsapa@lsapa.com
LSA PROJECT NO. 2204061


JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME BUILDING 2 - OVERALL 3RD FLOORPLAN
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. |
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RICHARD R. BEARDMORE
NUMBER
PROFESSIONAL ENGINEER

03/15/2023

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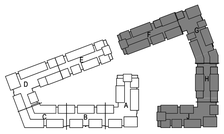

NORTH

KEY PLAN


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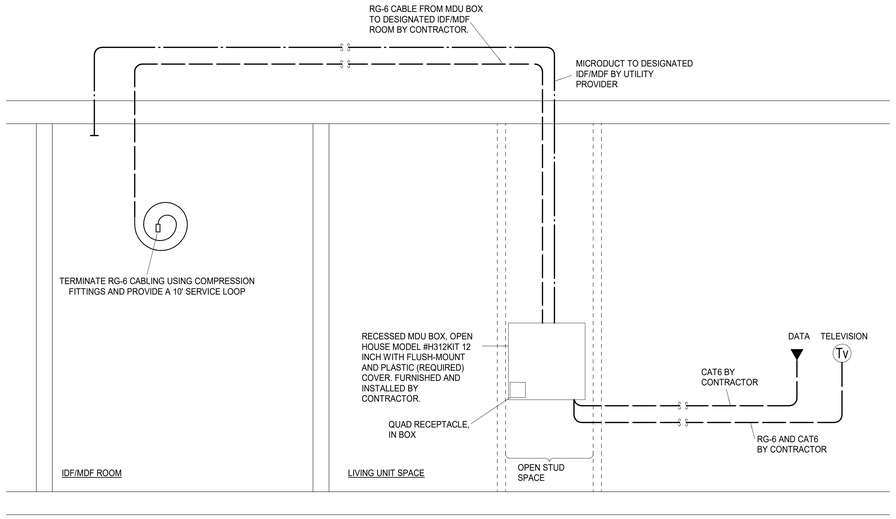
LSA PROJECT NO. 2204061

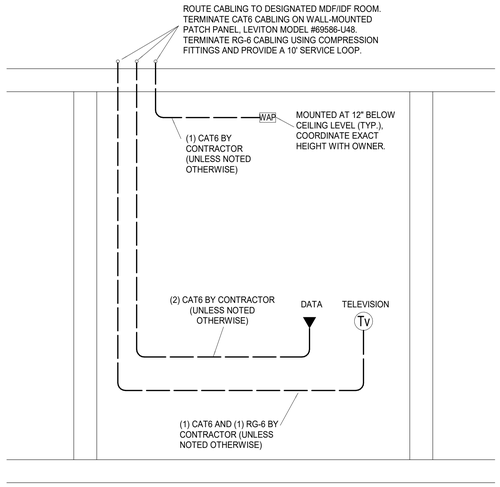
JOB NO. 705921
DATE 03.15.2023
DRAWN BY LSA CAD
4/11/2023 CITY COMMENTS
SHEET NAME BUILDING 2 - OVERALL 4TH FLOORPLAN
SHEET NO. T1.08

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

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 $3,000 ALLOWANCE FOR TESTING AND $25,000 ALLOWANCE FOR SYSTEM INSTALL.

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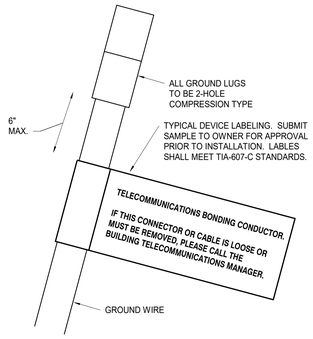
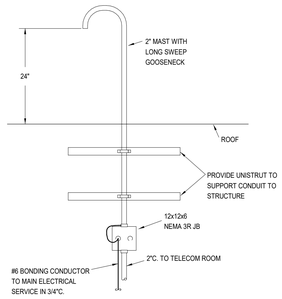
STATE OF MISSOURI — RICHARD R. BEARDMORE — NUMBER 2010039744 — PROFESSIONAL ENGINEER
03/15/2023



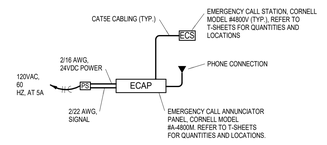

## 3 GROUND WIRE DETAIL
NOT TO SCALE



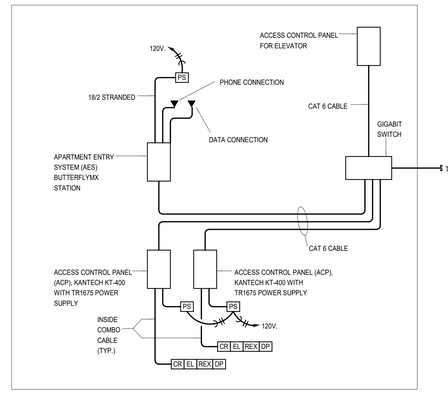

## 4 WEATHERHEAD DETAIL
NOT TO SCALE

| 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



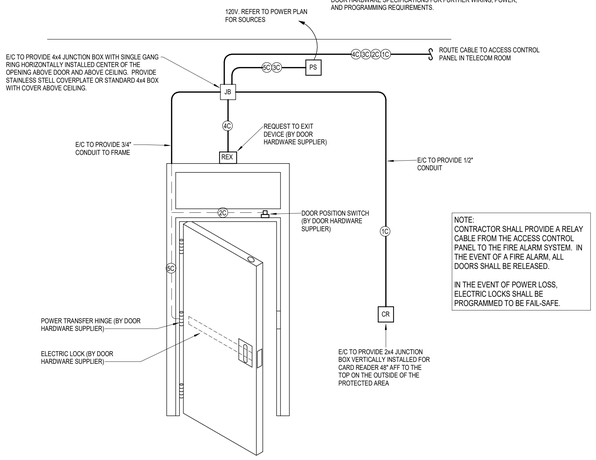

## 8 TYPICAL ACCESS CONTROL PANEL DETAIL
NOT TO SCALE

| 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) 18GA./4 COND. TWISTED OVEERALL SHIELD, RISER RATED CABLE. |
| 4C | REQUEST TO EXIT (BLUE) 18GA./4 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE. |
| 5C | ELECTRIC LOCK FROM PS TO PUSHBAR 18GA./4 COND. TWISTED OVERALL SHIELD, RISER RATED CABLE. |

| ACCESS CONTROL CABLE SCHEDULE: | |
|---|---|
| 1C 2C 3C 4C | BELDEN MODEL #538AFS |
| 5C | BELDEN MODEL #5302FE |

| ACCESS CONTROL DEVICE LEGEND: | |
|---|---|
| ACP | ACCESS CONTROL PANEL |
| CR | HID CARD READER |
| REX | REQUEST TO EXIT * |
| DP | DOOR POSITION SWITCH * |
| EL | ELECTRIC LOCK (24V. DC) * |
| PS | POWER SUPPLY (24V. DC) * |
| ADA | ADA PUSHBUTTON * |
| DADA | DUAL ADA PUSHBUTTON* |
| ADAM | ADA MOTORIZED OPERATOR * |
| VMS | 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.

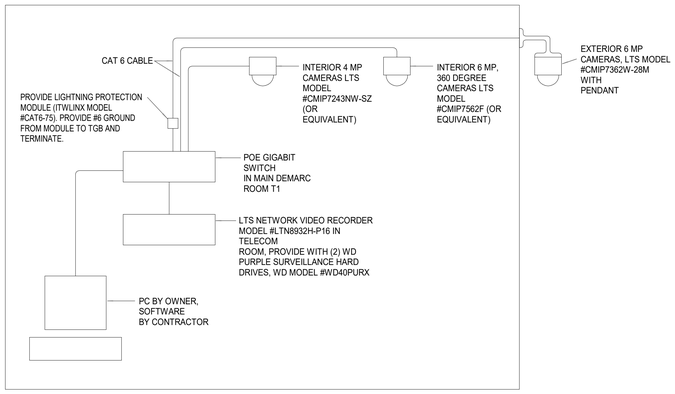



NOTE:
CONTRACTOR SHALL PROVIDE A RELAY CABLE FROM THE ACCESS CONTROL PANEL TO THE FIRE ALARM SYSTEM. IN THE EVENT OF A FIRE ALARM, ALL DOORS SHALL BE RELEASED.

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

| 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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