

GENERAL NOTES

1. INSTALL AIR HANDLING UNIT AND MAINTAIN ALL REQUIRED CLEARANCES PER MANUFACTURER'S REQUIREMENTS.
2. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT. MOUNT THERMOSTAT 4" ABOVE FINISHED FLOOR. COORDINATE FINAL LOCATION WITH OWNER.
3. COORDINATE ALL DUCTWORK, EQUIPMENT AND REFRIGERANT PIPING WITH STRUCTURAL.
4. PROVIDE VOLUME CONTROL DAMPERS AND MOTORIZED DAMPERS ON ALL OUTDOOR AIR BRANCH DUCTS CONNECTED TO INDOOR AIR HANDLING UNITS. DAMPERS SHALL BE ACCESSIBLE IN THE MECHANICAL CLOSET.
5. ALL SUPPLY AND RETURN DUCTWORK SHALL BE INSTALLED BELOW STRUCTURE. ALL EXHAUST AND OUTDOOR AIR DUCTWORK SHALL BE ROUTED THROUGH STRUCTURE.
6. COORDINATE ALL EXTERIOR TERMINATIONS WITH ARCHITECTURAL DRAWINGS.

DRAWING NOTES

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4. CONDENSATE PIPING TO INDIRECT CONNECTION AT FLOOR DRAIN. VERIFY PIPING QUANTITIES AND SIZES WITH MANUFACTURER.
5. TRANSITION EXHAUST DUCT AS REQUIRED TO CONNECT TO RANGE HOOD.

general notes

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revisions

project title

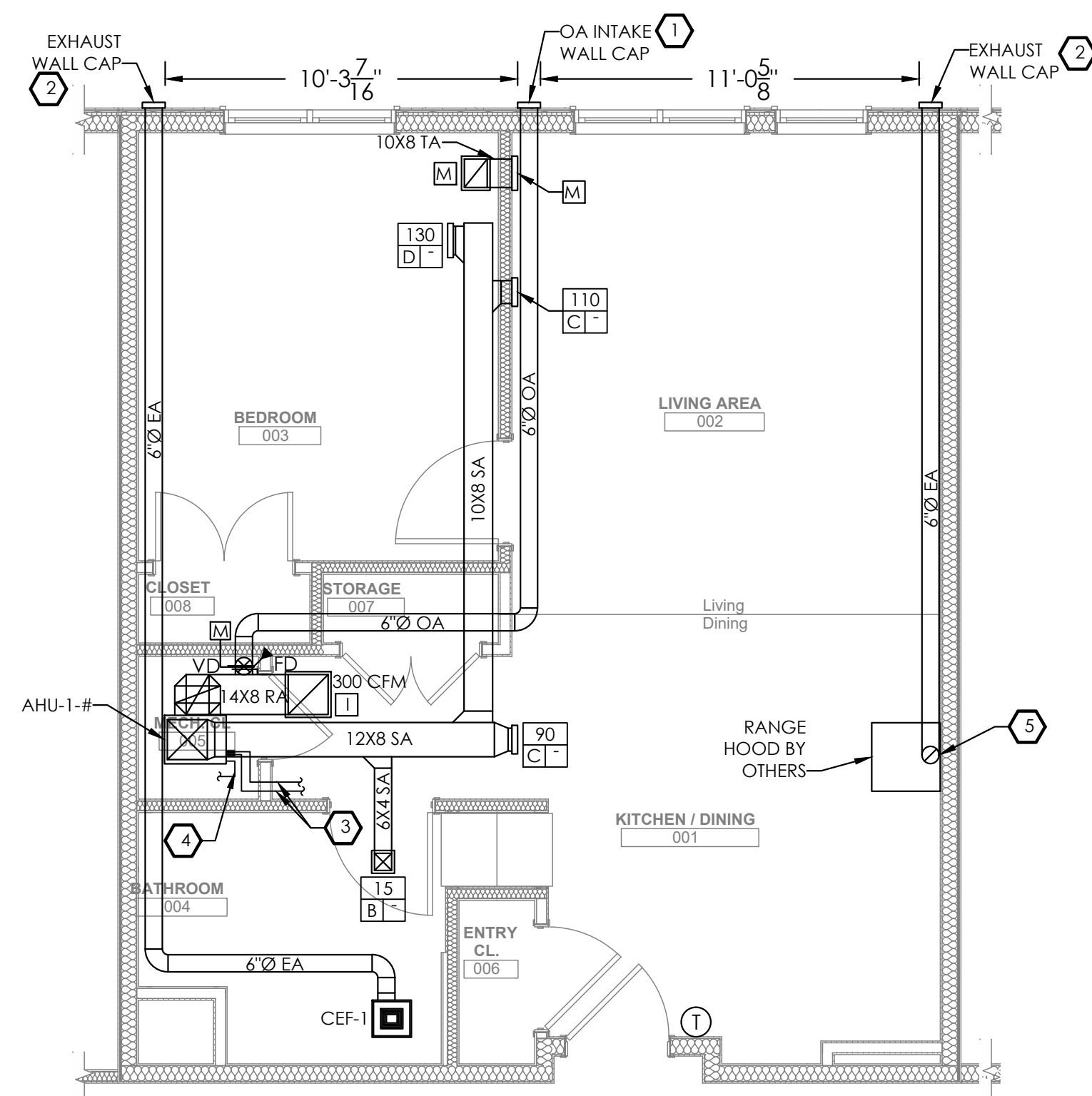
Owner:
HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

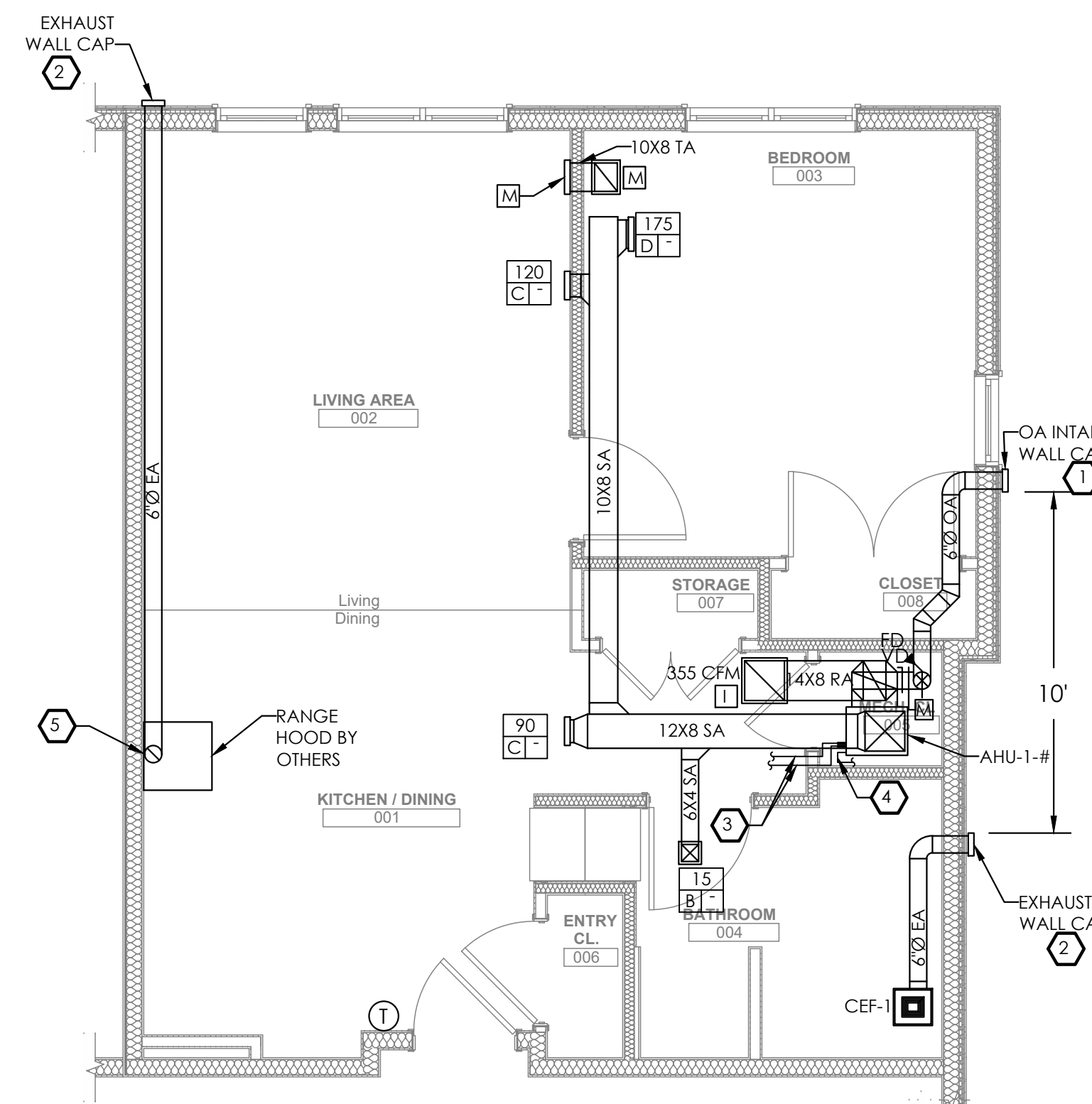
Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

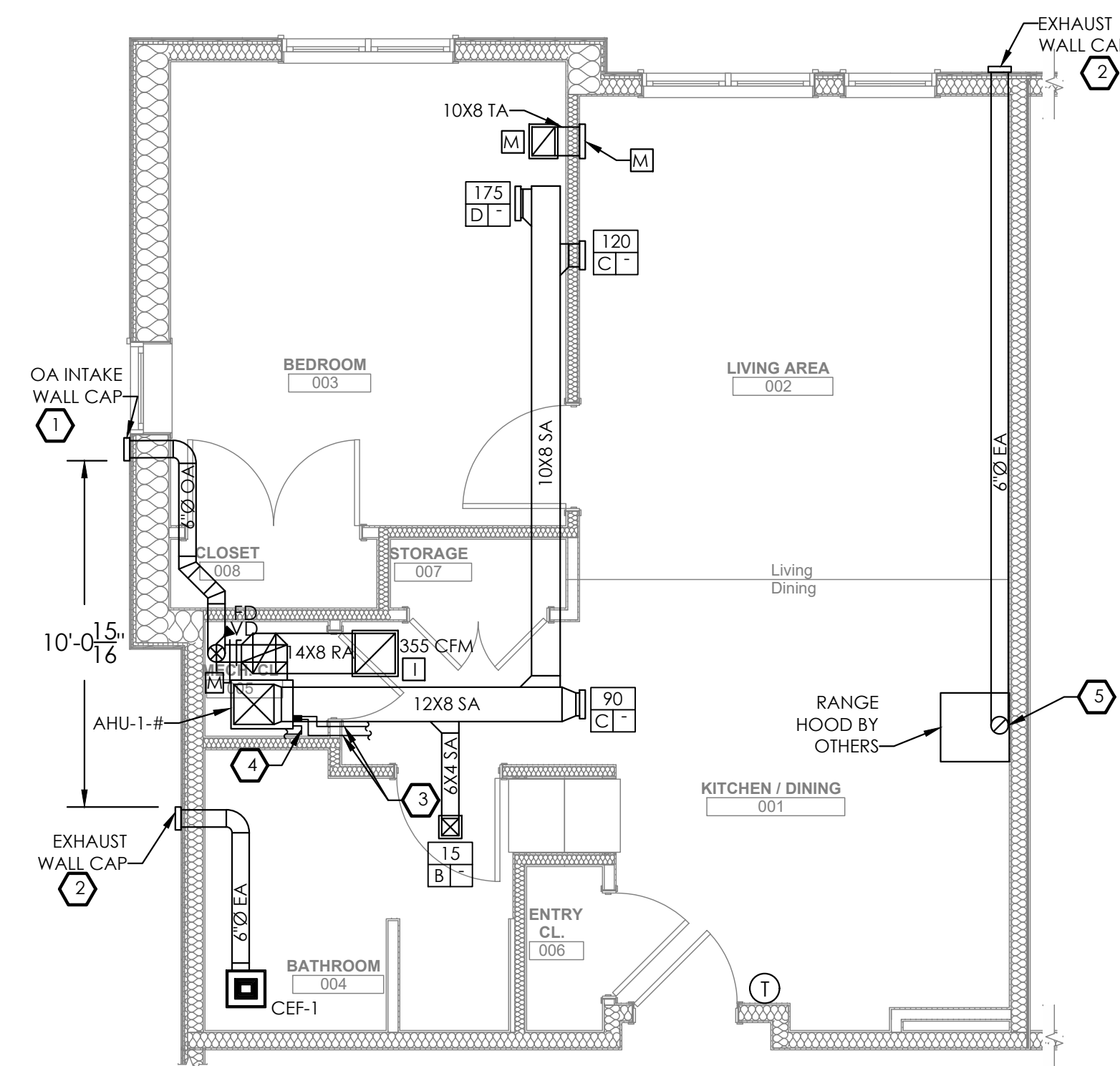
**MECHANICAL
ENLARGED ONE BEDROOM
UNIT PLANS**



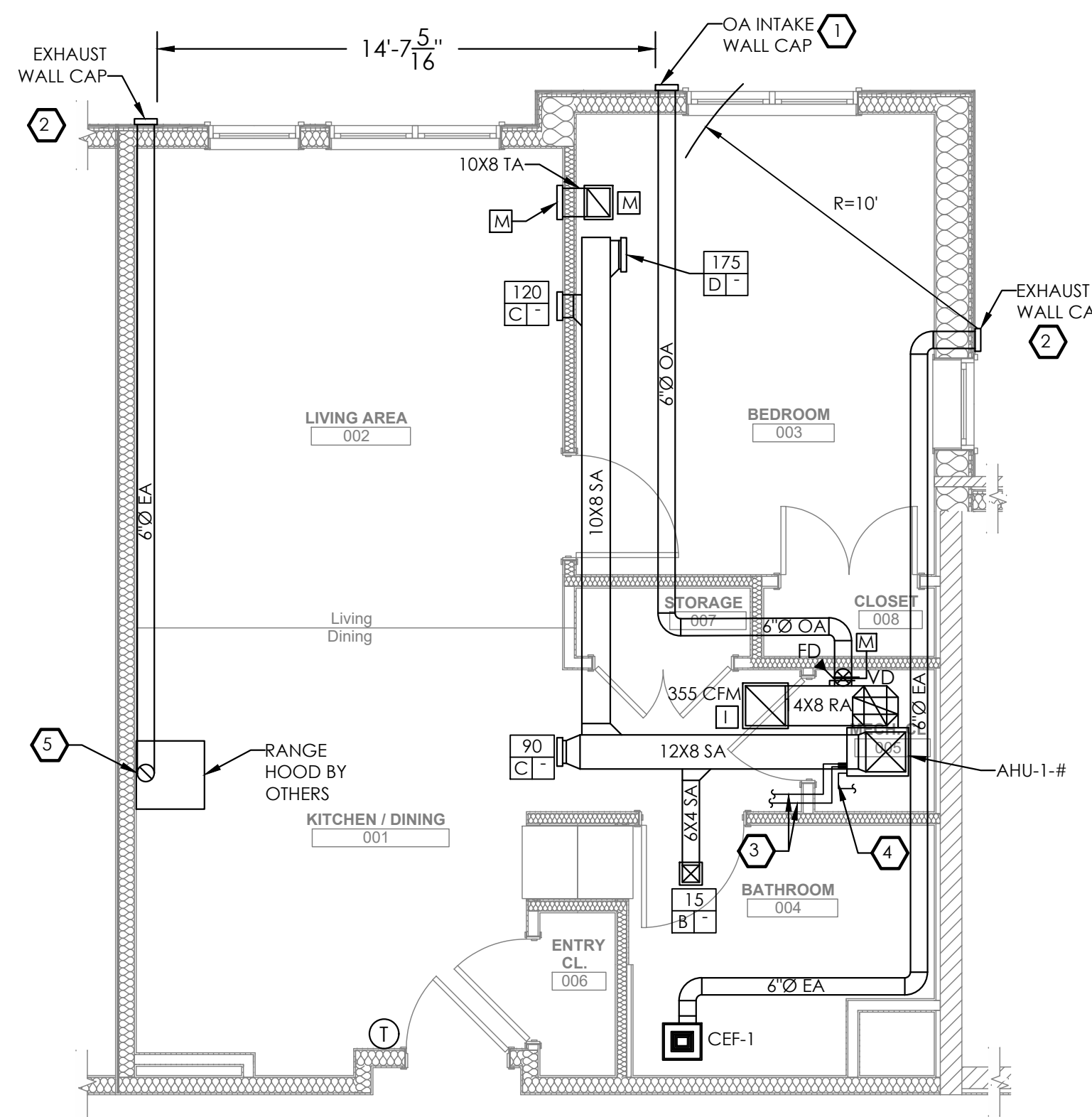
1 MECHANICAL ENLARGED UNIT 1A PLAN
M300 1/4" = 1' 0"



2 MECHANICAL ENLARGED UNIT 1B PLAN
M300 1/4" = 1' 0"



3 MECHANICAL ENLARGED UNIT 1C PLAN
M300 1/4" = 1' 0"



4 MECHANICAL ENLARGED UNIT 1D PLAN
M300 1/4" = 1' 0"

scale
As Noted

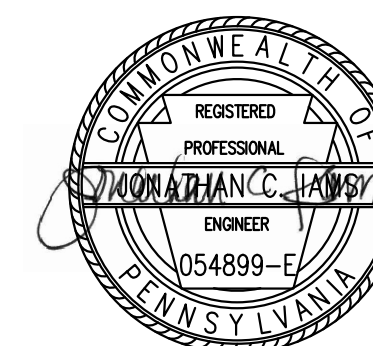
date
December 3rd, 2023

no. of.
195 233

Sheet No.

M300

Project #2040



GENERAL NOTES

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revisions

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HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:

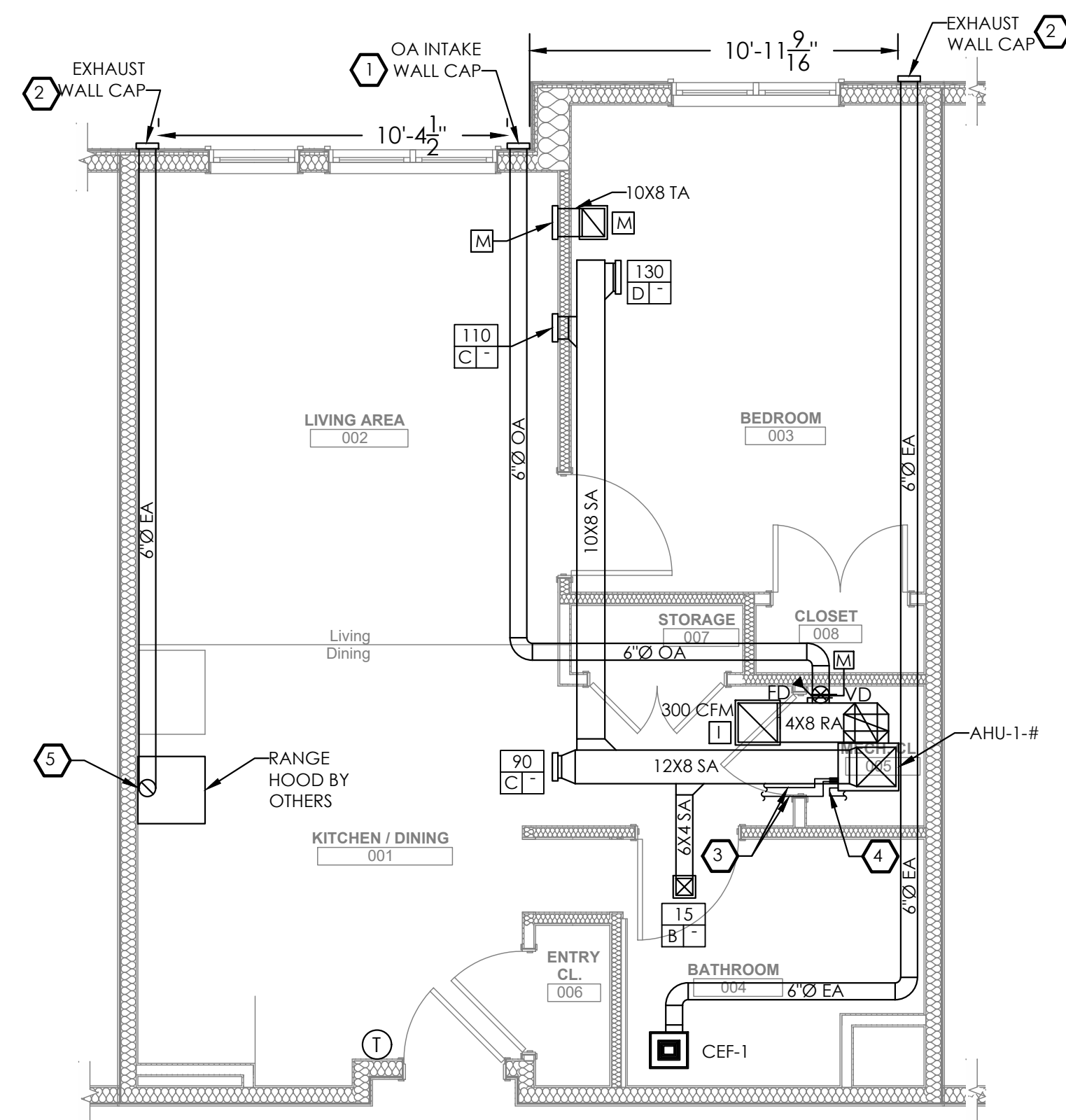
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:

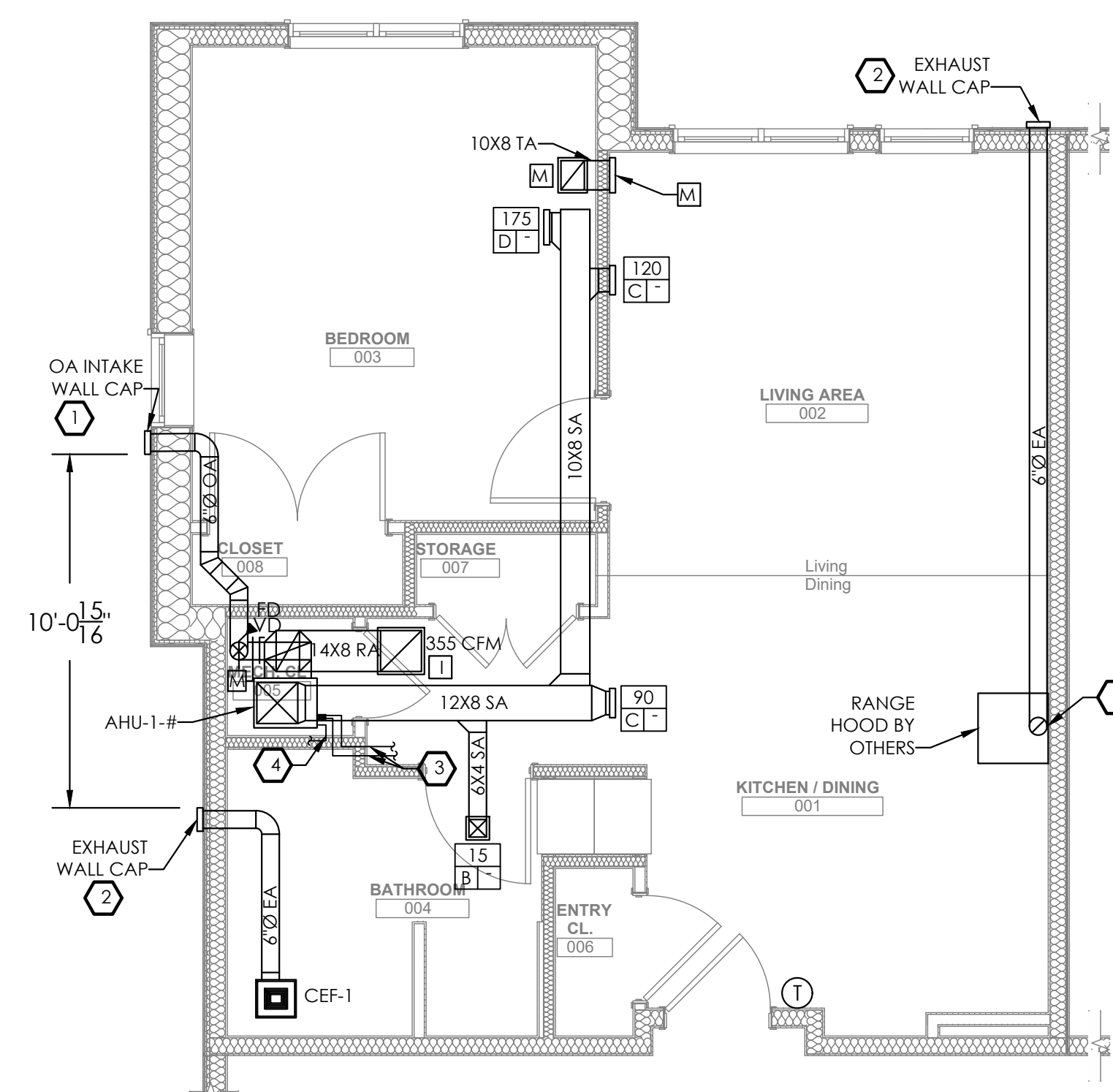
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

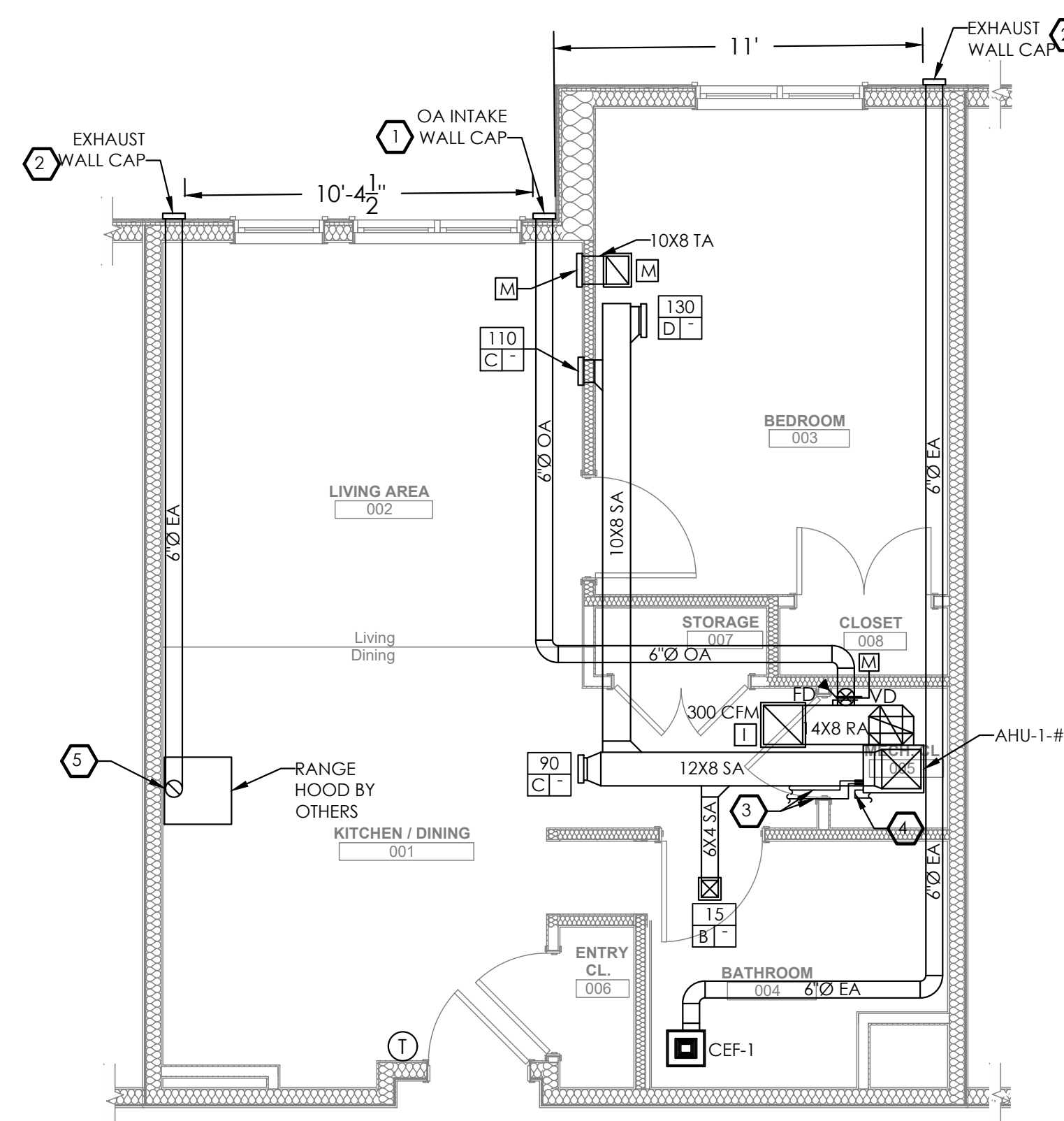
**MECHANICAL
ENLARGED ONE BEDROOM
UNIT PLANS**



1 MECHANICAL ENLARGED UNIT 1E PLAN
M301 1/4" = 1' 0"



2 MECHANICAL ENLARGED UNIT 1F PLAN
M301 1/4" = 1' 0"



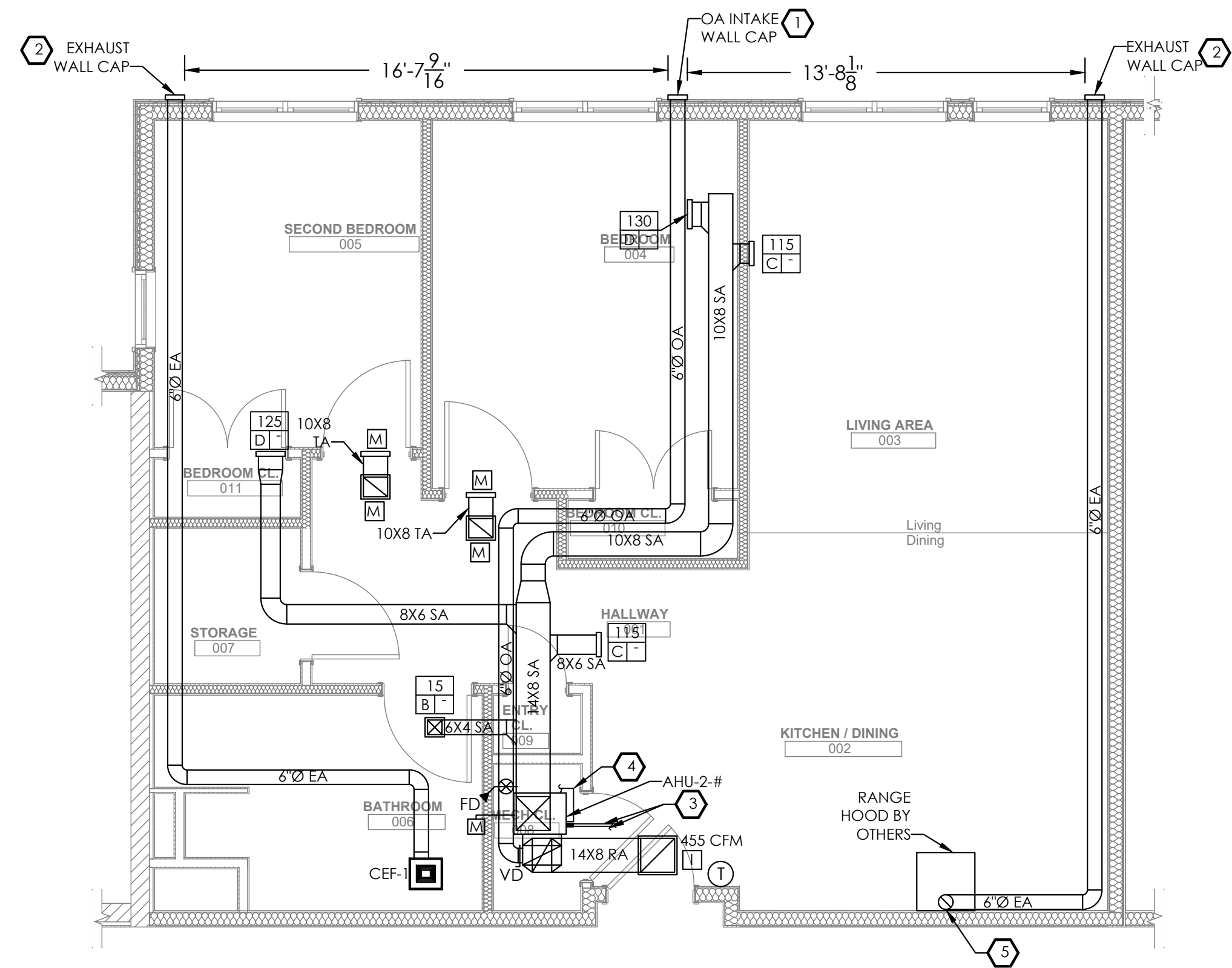
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scale	As Noted
date	December 3rd, 2023
no.	196
of.	233

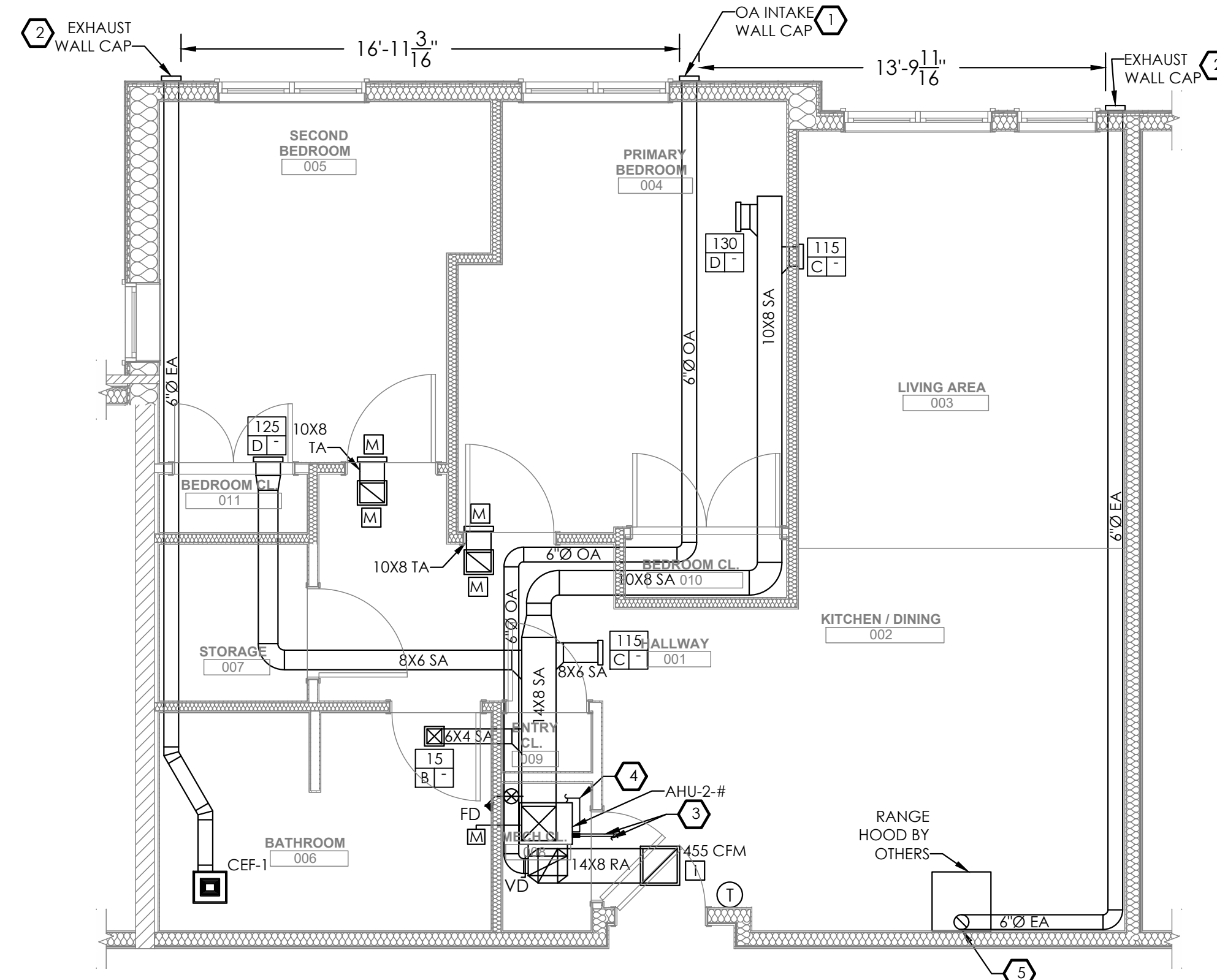
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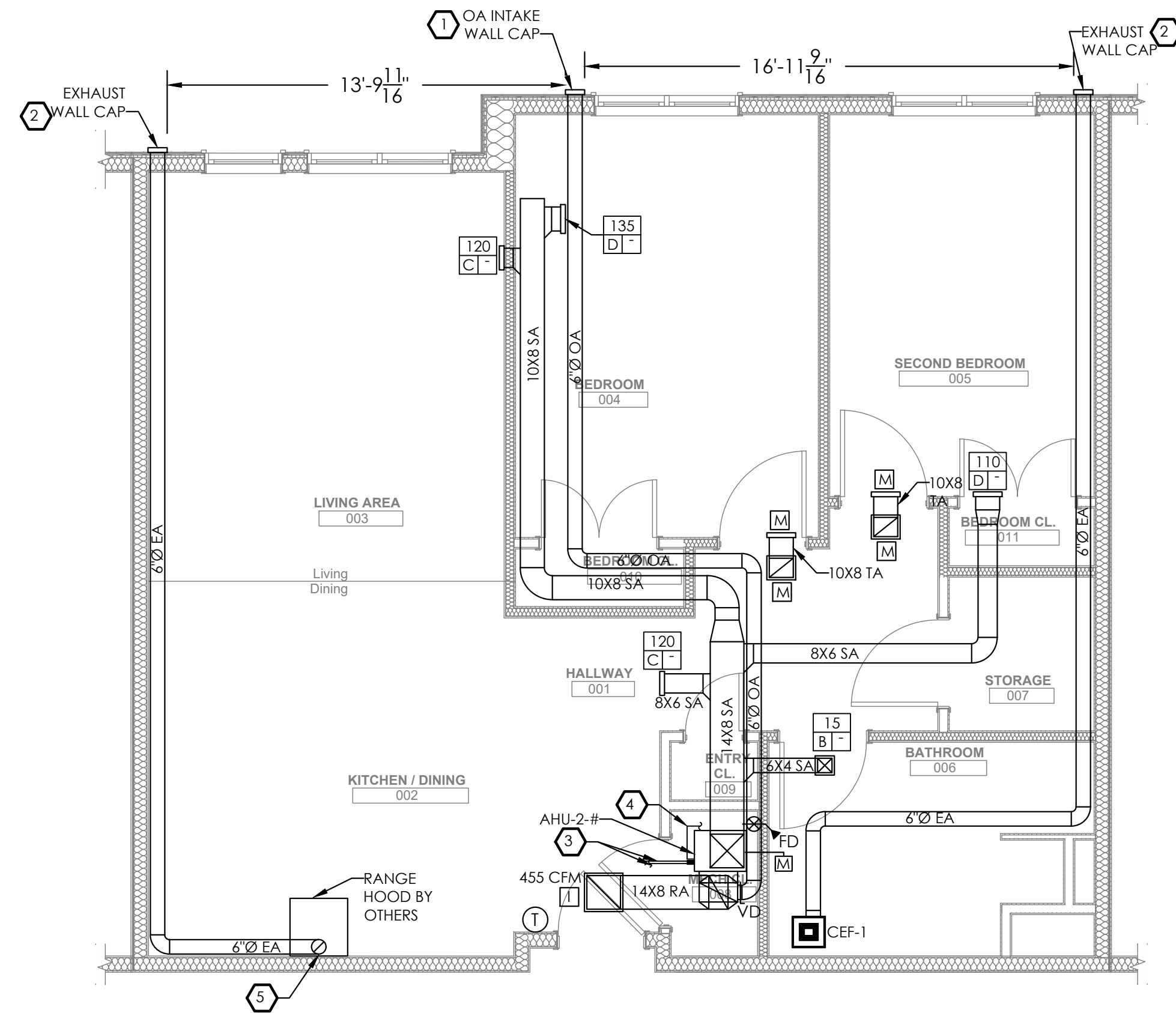
Project #2040



1 MECHANICAL ENLARGED UNIT 2A PLAN
 M302 1/4" = 1' 0"



2 MECHANICAL ENLARGED UNIT 2B PLAN
 M302 1/4" = 1' 0"



3 MECHANICAL ENLARGED UNIT 2C PLAN
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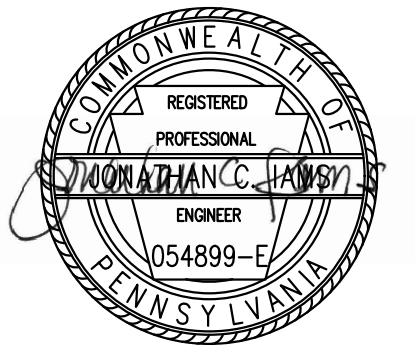
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Fukui Architects Pc

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 Pittsburgh, Pennsylvania 15219
 ph 412.281.6001 fx 412.281.6002

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 ENGINEERING ENVIRONMENTS
 807 James Street
 Suite 301
 Pittsburgh, PA 15212
 Ph: 412.697.3590
 www.iamsconsulting.com



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revisions

project title

Owner:
 HACP
 200 Ross Street
 Pittsburgh, PA, 15219

Client:
 Allies & Ross Management and
 Development Corporation (ARMDC)
 200 Ross Street
 Pittsburgh, PA 15219

Project Location:
 Northview Heights Midrise
 246 Penfort Street
 Pittsburgh, PA 15214

drawing title

**MECHANICAL
 ENLARGED TWO BEDROOM
 UNIT PLANS**

scale As Noted	Sheet No. M302 Project #2040
date December 3rd, 2023	
no. 197	of. 233



general notes

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Pittsburgh, PA 15214

drawing title

**MECHANICAL
ENLARGED TWO BEDROOM
UNIT PLANS**

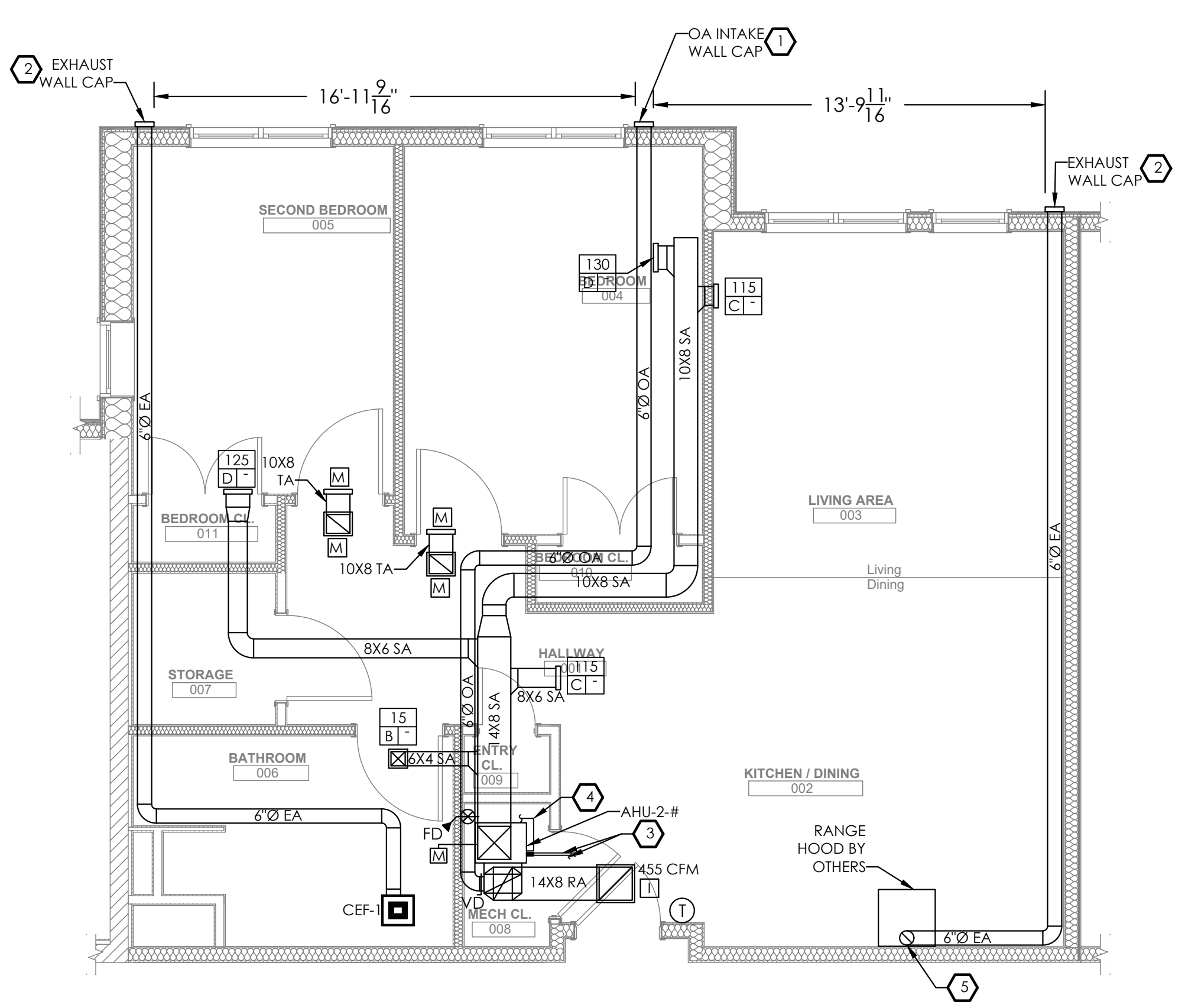
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date December 3rd, 2023	
no. 198	of. 233

GENERAL NOTES

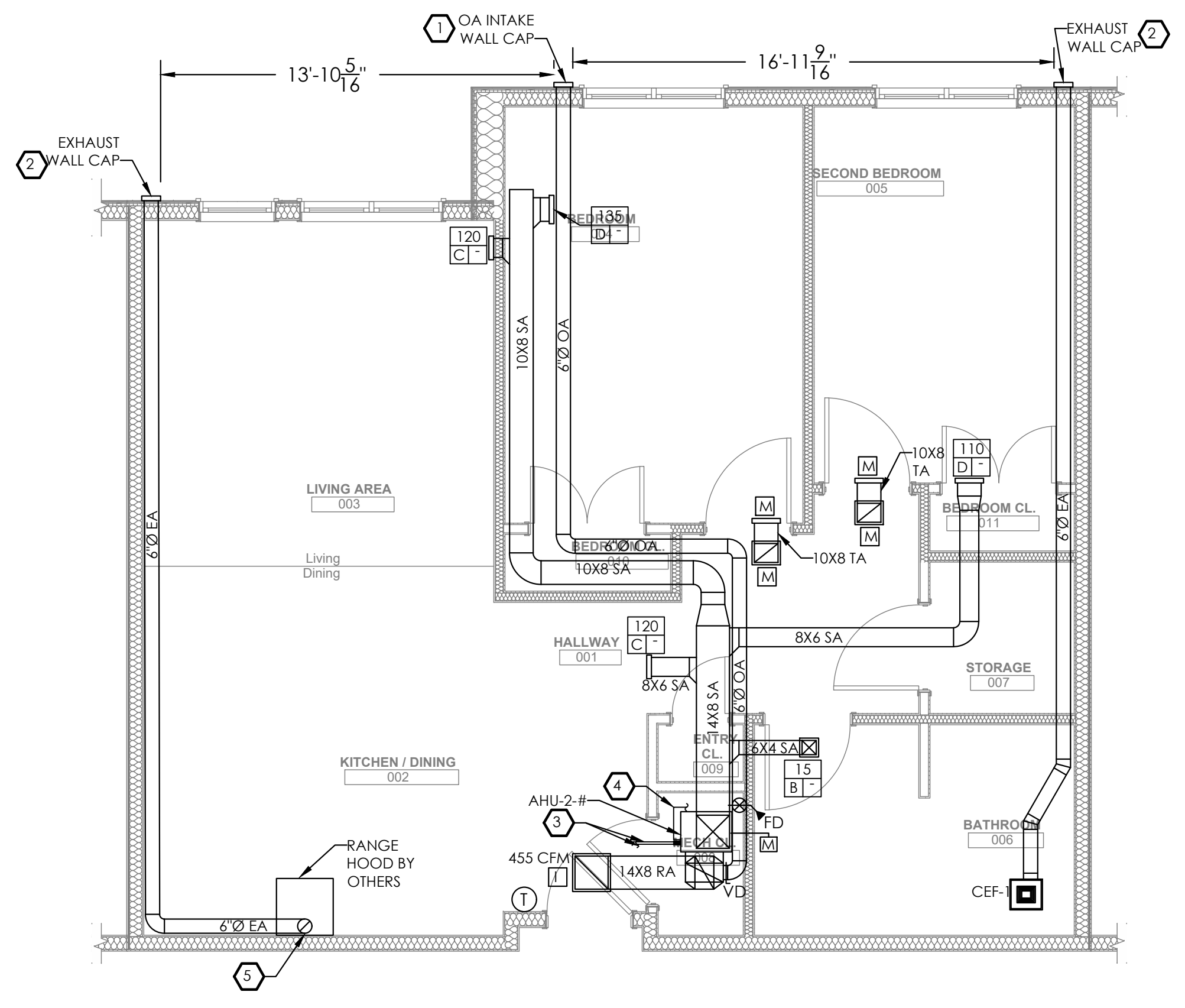
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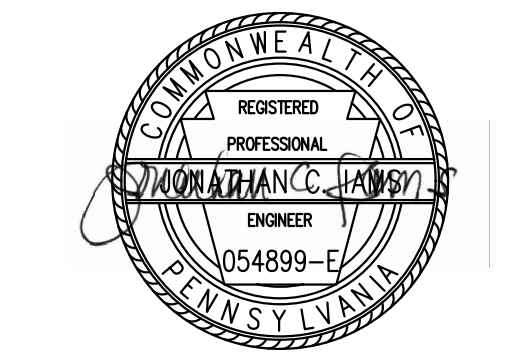
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1 MECHANICAL ENLARGED UNIT 2D PLAN
M303 1/4" = 1' 0"



2 MECHANICAL ENLARGED UNIT 2E PLAN
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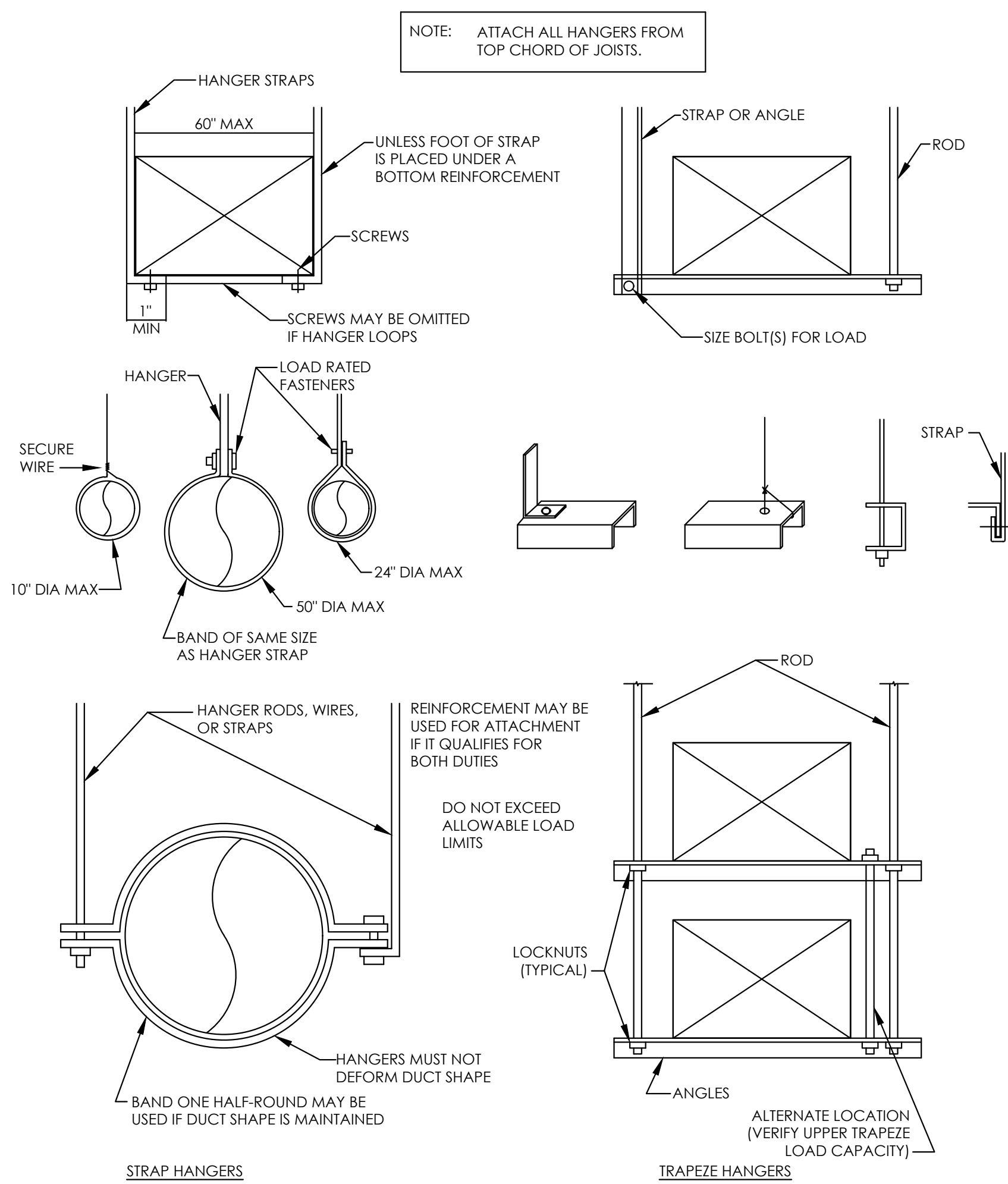
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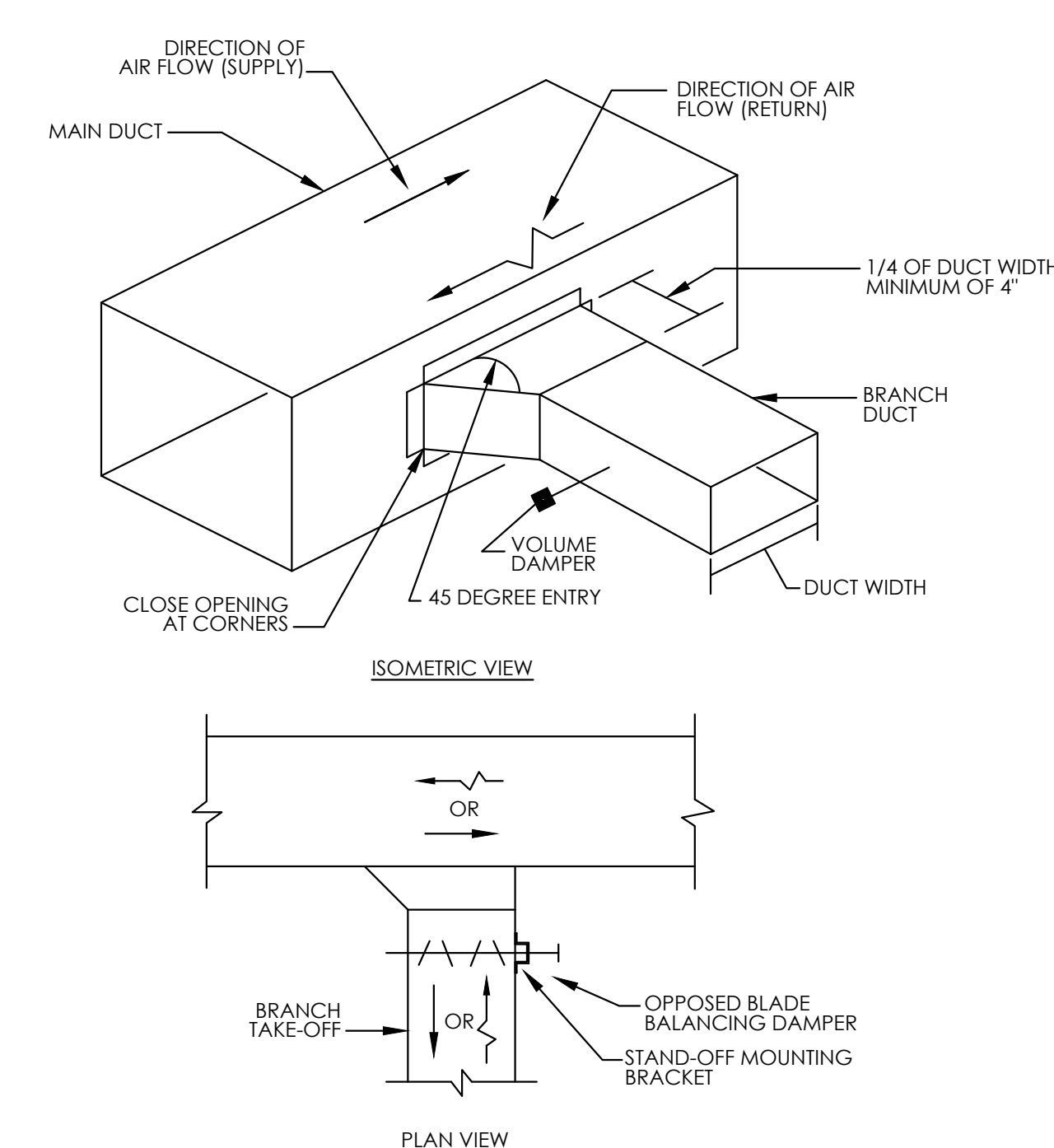
drawing title

MECHANICAL DETAILS

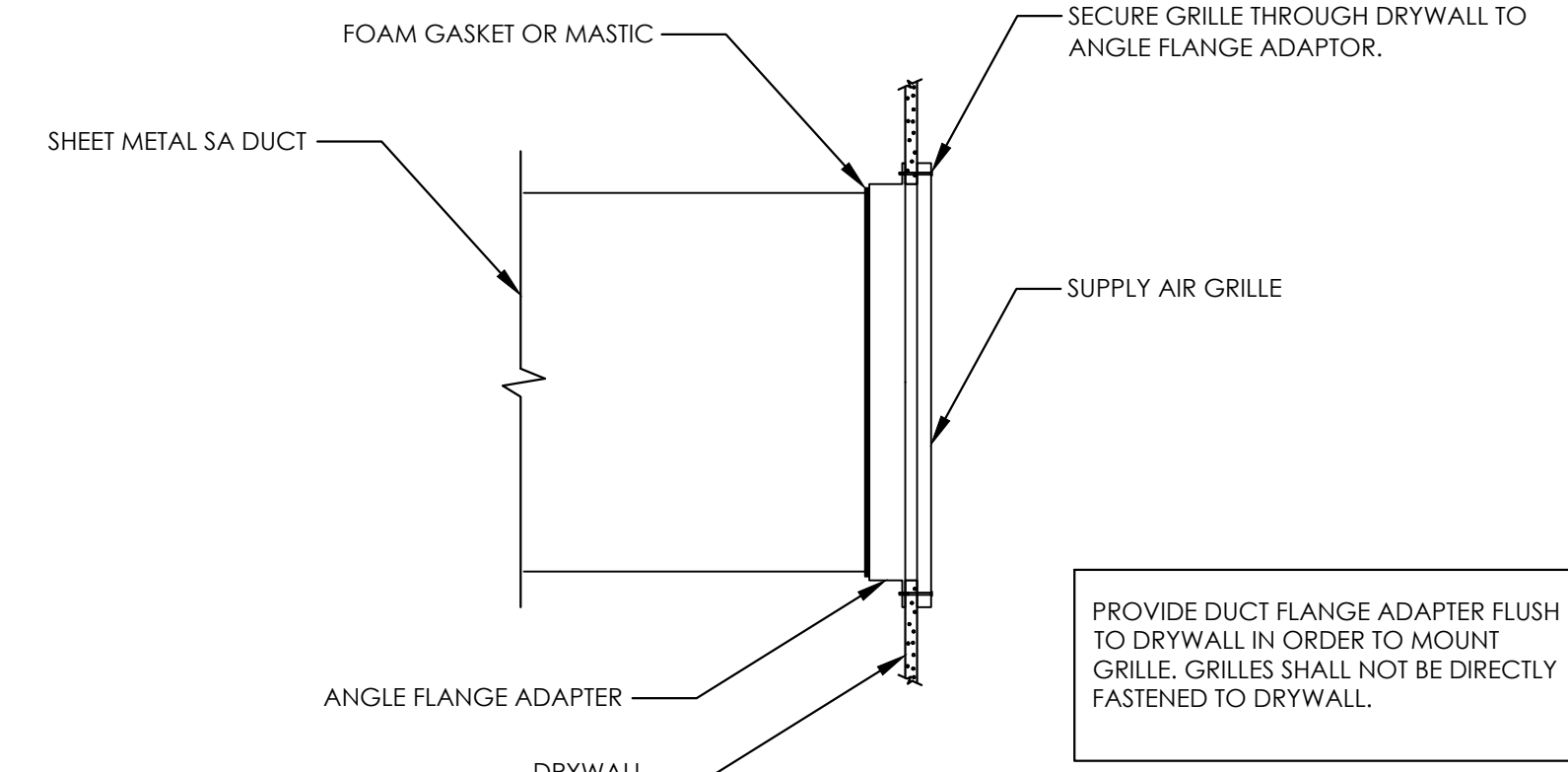
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date	December 3rd, 2023	
no.	199	M400
of.	233	
		Project #2040



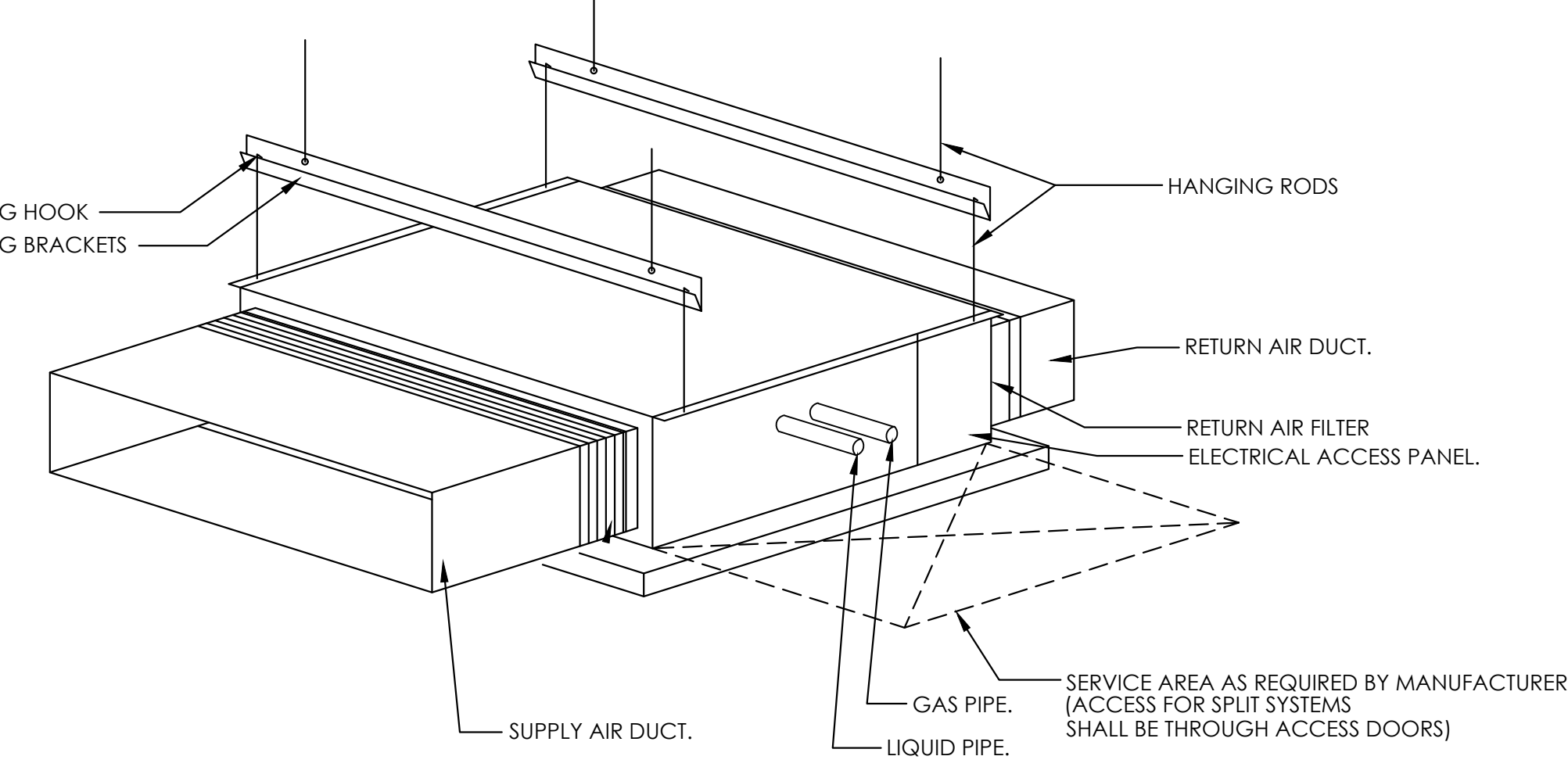
1 HANGER ATTACHMENT DETAIL
NTS



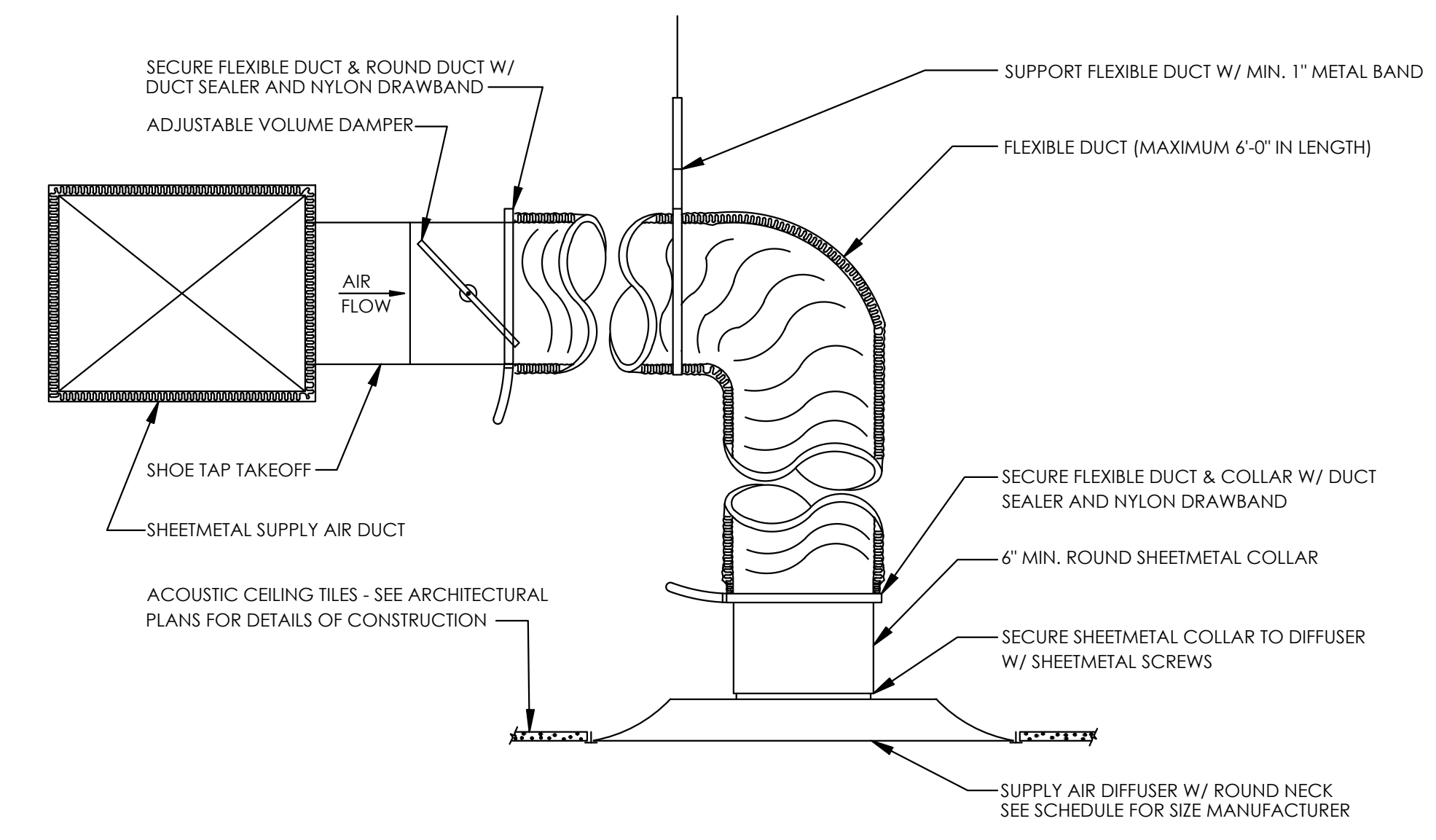
2 DUCT TAKE OFF DETAIL
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5 GRILLE CONNECTION DETAIL
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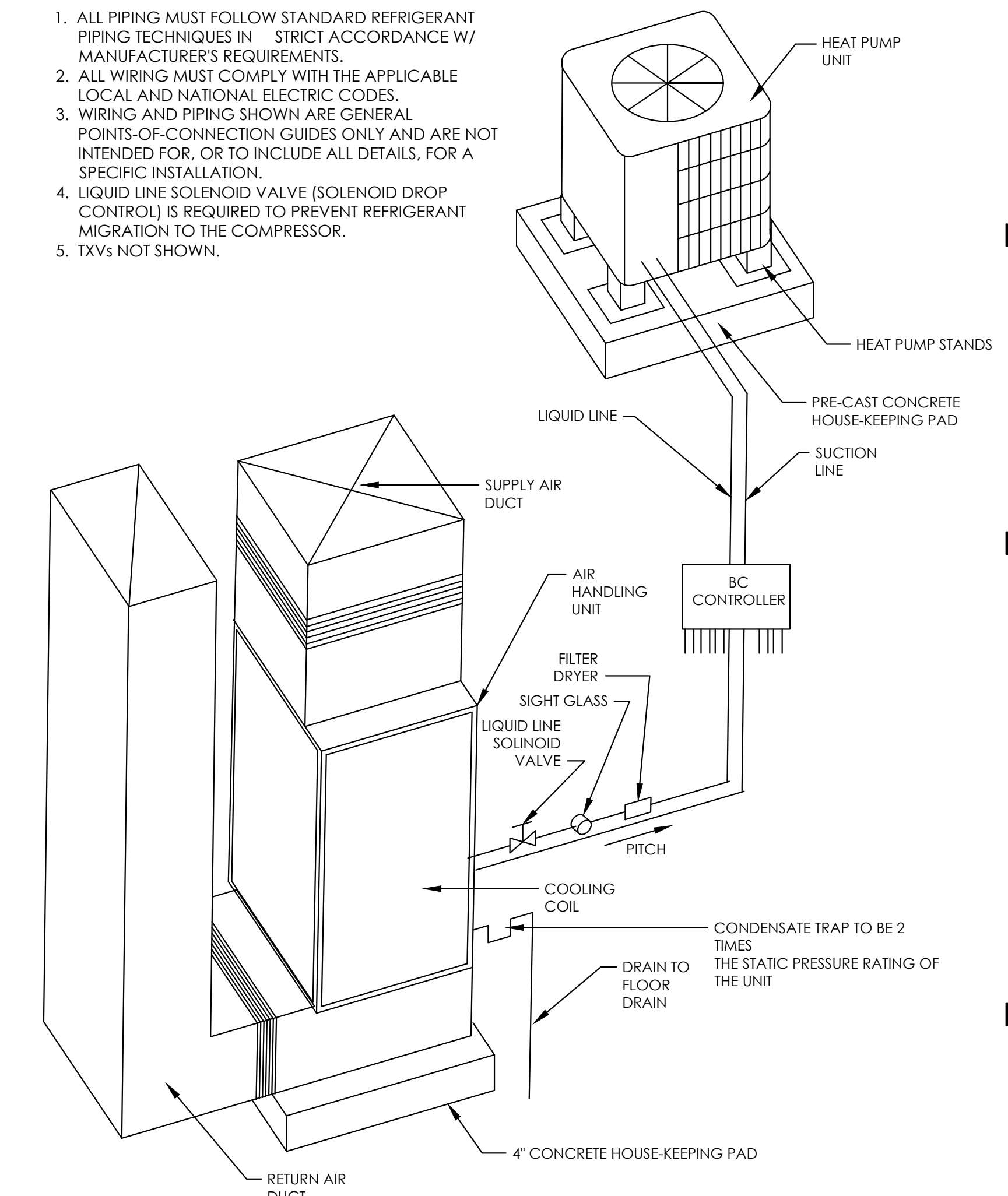
6 HORIZONTAL SPLIT SYSTEM MOUNTING DETAIL
NTS



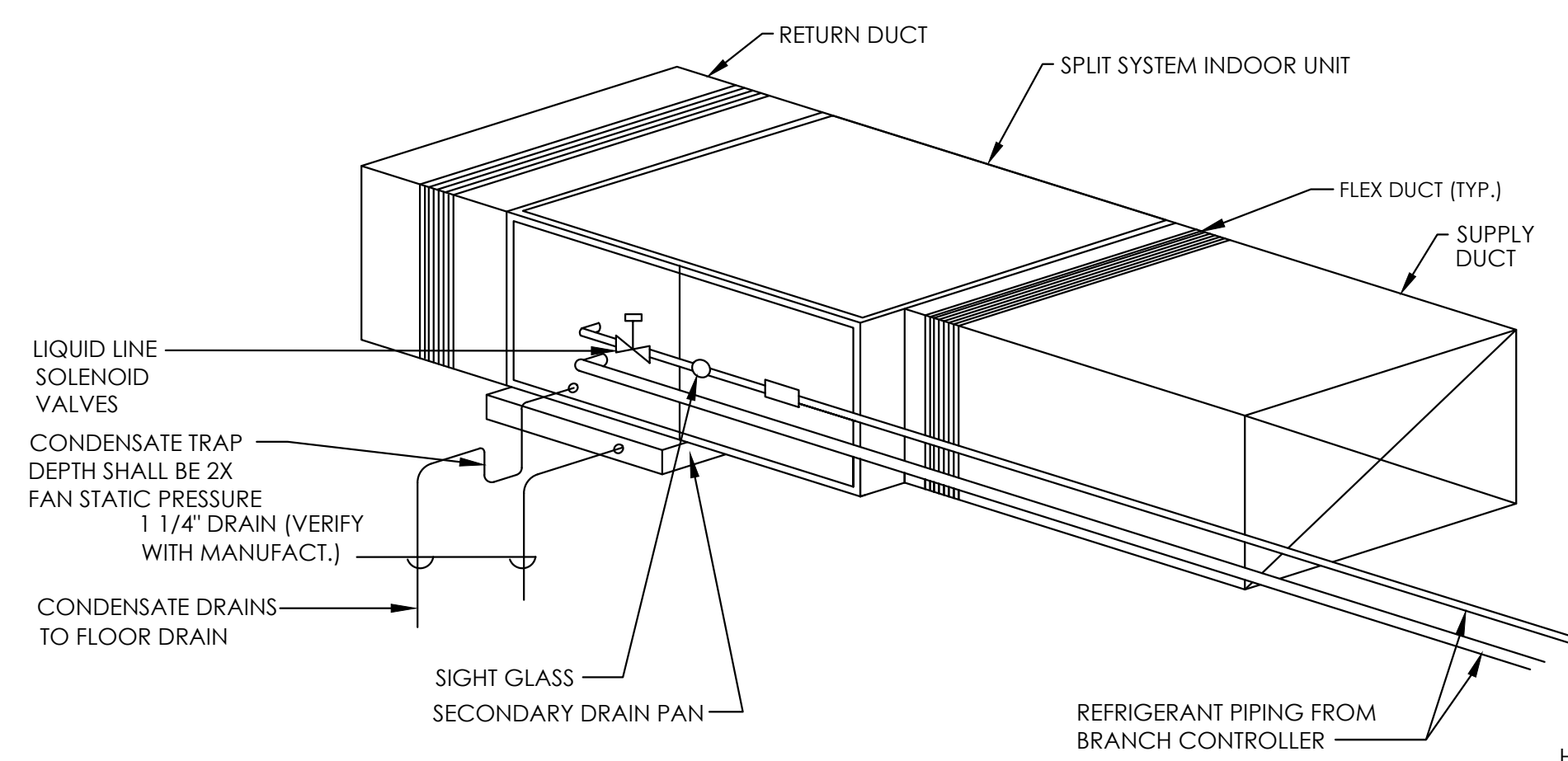
3 DIFFUSER CONNECTION DETAIL
NTS *CEILING TYPE: ACT

NOTES:

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- WIRING AND PIPING SHOWN ARE GENERAL POINTS-OF-CONNECTION GUIDES ONLY AND ARE NOT INTENDED FOR, OR TO INCLUDE ALL DETAILS, FOR A SPECIFIC INSTALLATION.
- LIQUID LINE SOLENOID VALVE (SOLENOID DROP CONTROL) IS REQUIRED TO PREVENT REFRIGERANT MIGRATION TO THE COMPRESSOR.
- TXVs NOT SHOWN.



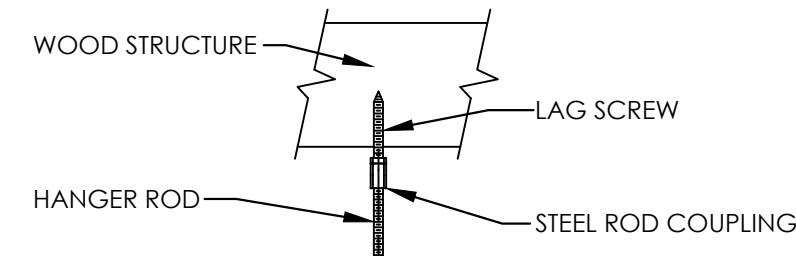
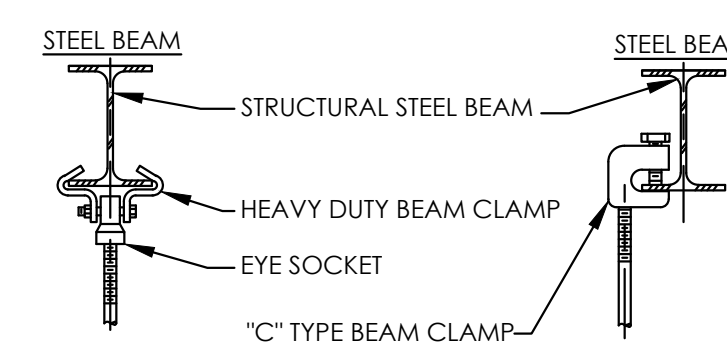
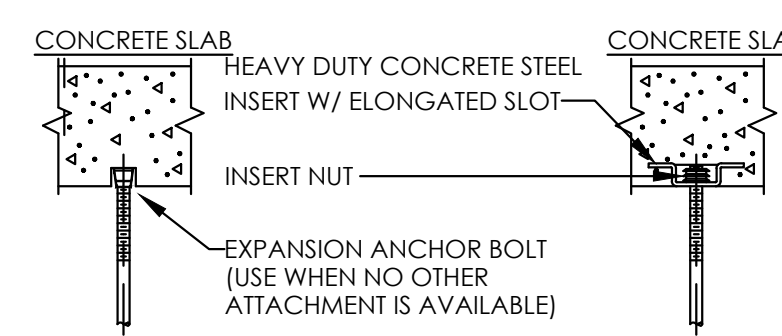
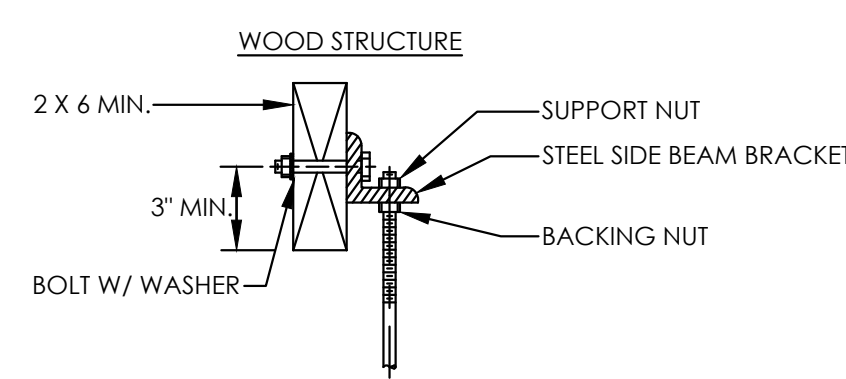
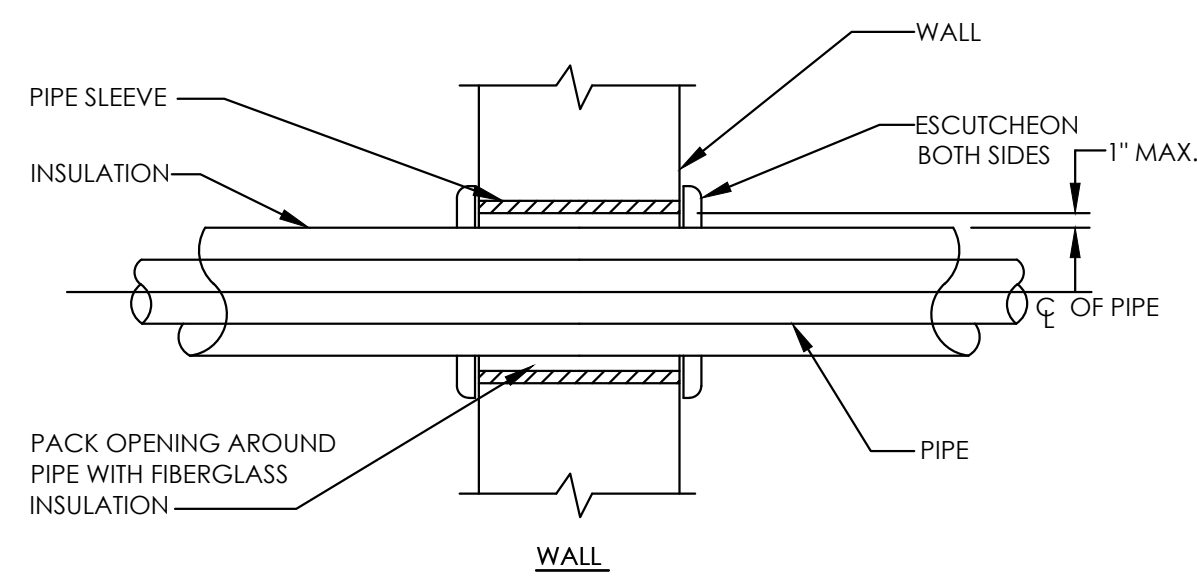
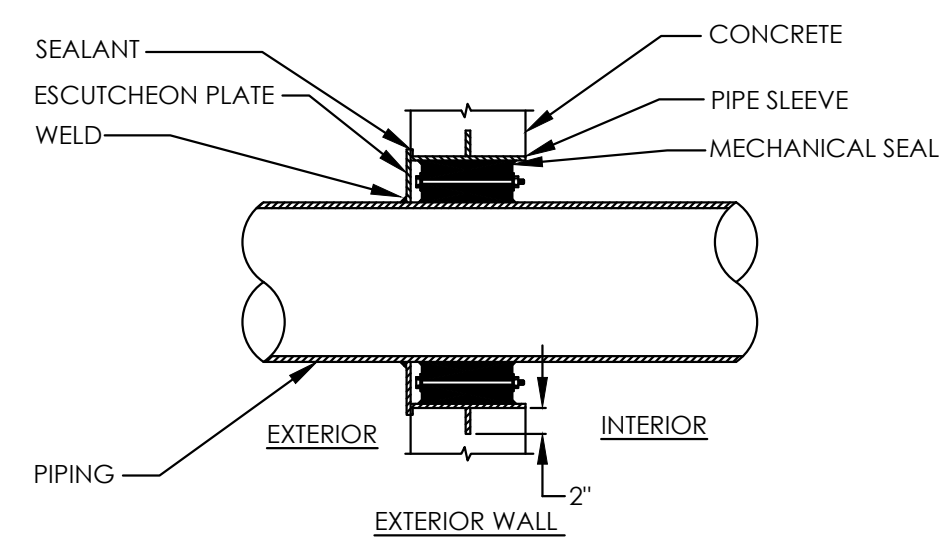
7 VERTICAL SPLIT SYSTEM DETAIL
NTS



NOTES:

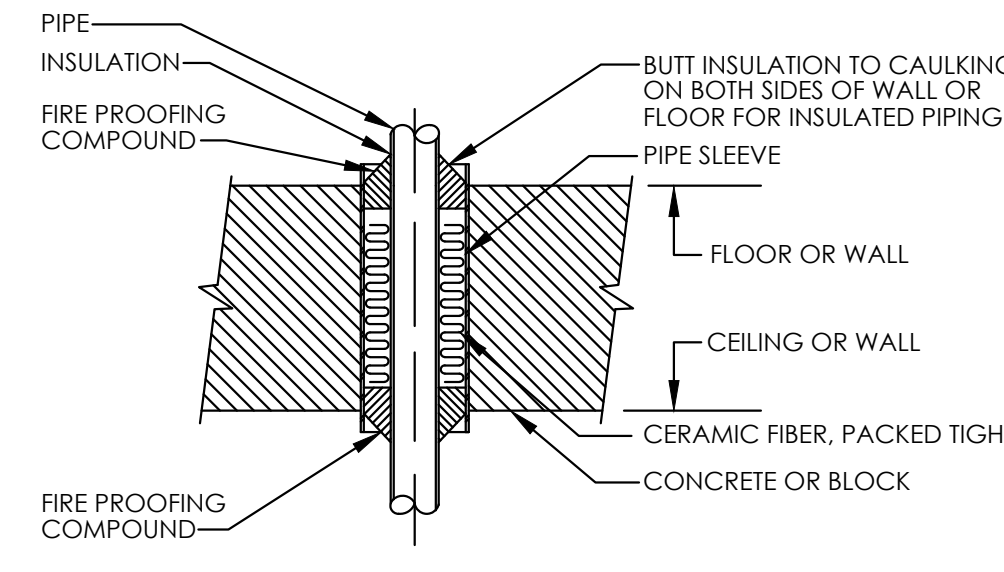
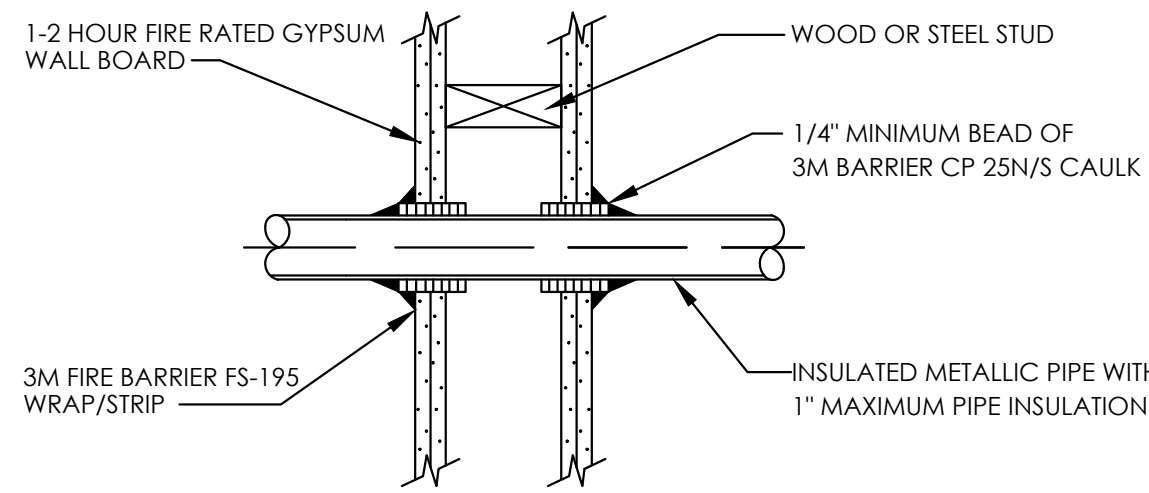
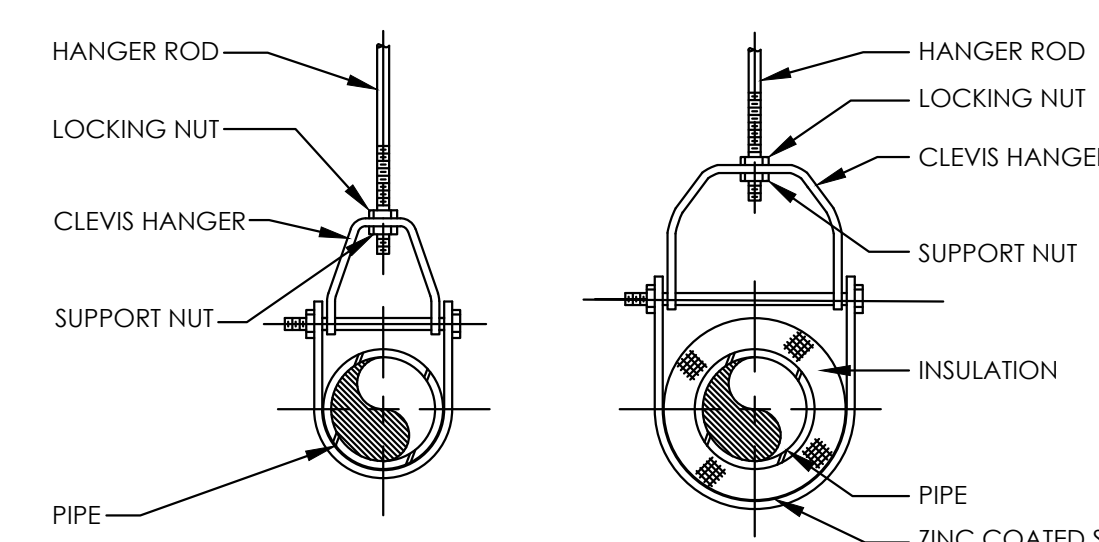
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- TXVs NOT SHOWN.
- CONTRACTOR TO PROVIDE SECONDARY DRAIN PAN FOR EACH HORIZONTAL UNIT.

4 HORIZONTAL SPLIT SYSTEM PIPING DETAIL
NTS



MINIMUM LAG SCREW SIZE		
SIZE OF PIPE	SIZE OF LAG SCREW	LENGTH OF LAG SCREW
1" - 2"	3/8"	2 1/2"
2 1/2"	1/2"	3"

NOTE: ALL HOLES FOR LAG SCREW RODS SHALL BE PREDRILLED 1/8" LESS IN DIAMETER THAN THE MAXIMUM DIAMETER OF THE LAG SCREW THREAD.

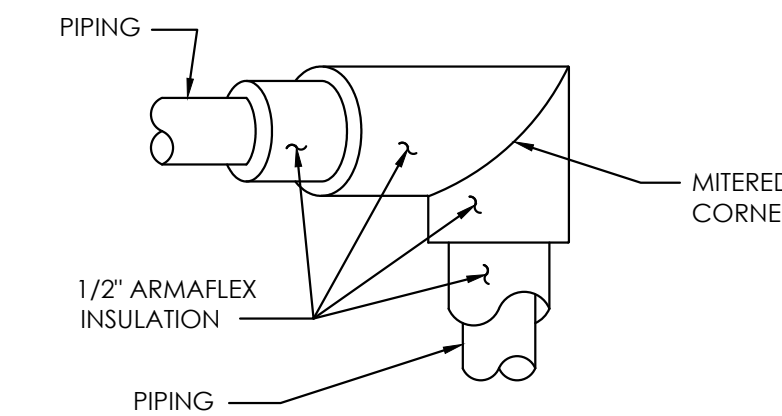


1 PIPE SLEEVE DETAILS
M401 NTS

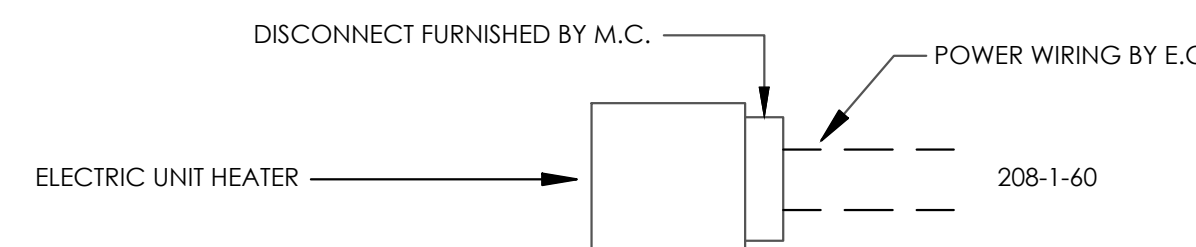
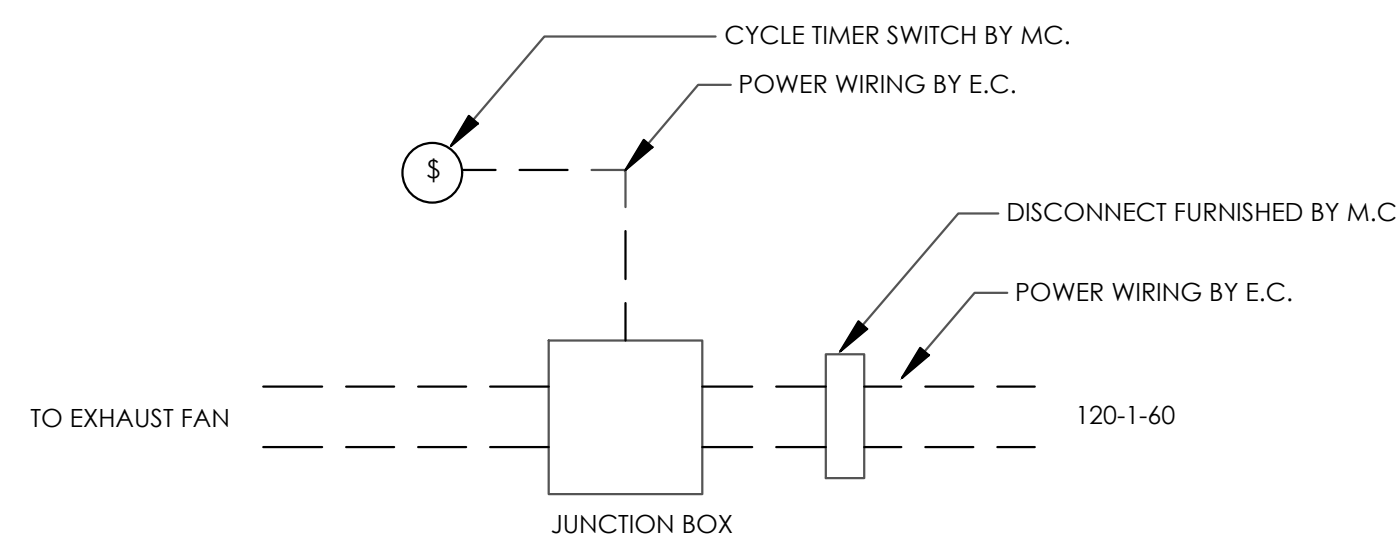
2 PIPE HANGER DETAILS
M401 NTS

WIRING NOTES:

- ALL WIRING ON THESE DIAGRAMS INDICATED BY BROKEN LINES (---) SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR FOR ELECTRICAL WORK AND IS SHOWN ON THIS DRAWING FOR INFORMATION ONLY.
- ALL WIRING ON THESE DIAGRAMS INDICATED BY SOLID (—) LINES SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. SUCH WIRING SHALL BE IN STRICT CONFORMITY WITH ALL PROVISIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND THE APPLICABLE PROVISIONS OF THE SPECIFICATIONS FOR ELECTRICAL WORK.
- ALL WIRING DIAGRAMS INDICATED ON THIS DRAWING ARE INFORMATIONAL ONLY AND ARE NOT INTENDED TO BE USED AS INSTALLATION DIAGRAMS. HVAC CONTRACTOR SHALL SUBMIT FOR ARCHITECT'S APPROVAL, CONTROL DIAGRAMS PRIOR TO INSTALLATION OF THIS PHASE OF THE WORK.

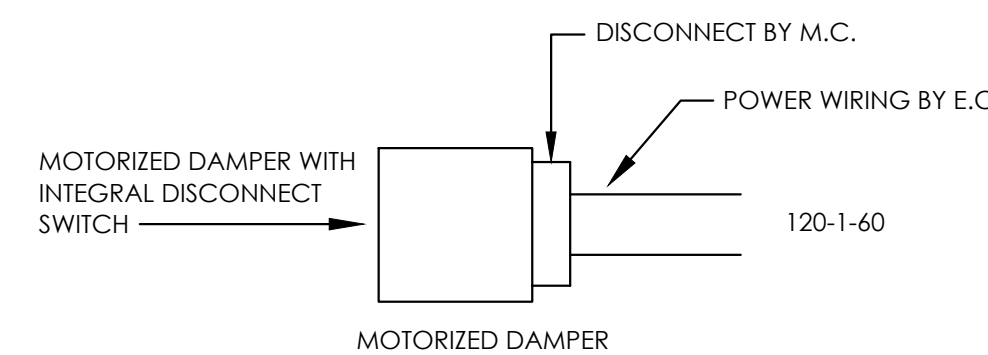


6 TYPICAL ELBOW AND PIPING INSULATION DETAIL
M401 NTS



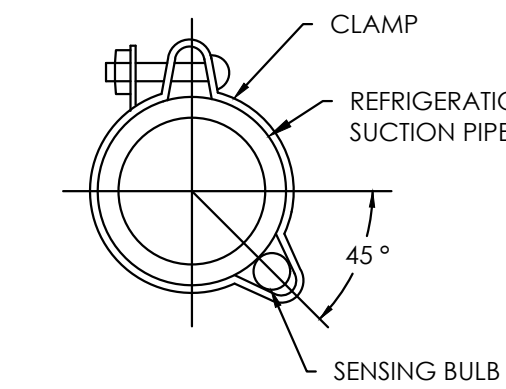
4 ELECTRIC UNIT HEATER WIRING DIAGRAM
M401 NTS

3 CABINET EXHAUST FAN (CEF-1) WIRING DIAGRAM
M401 NTS

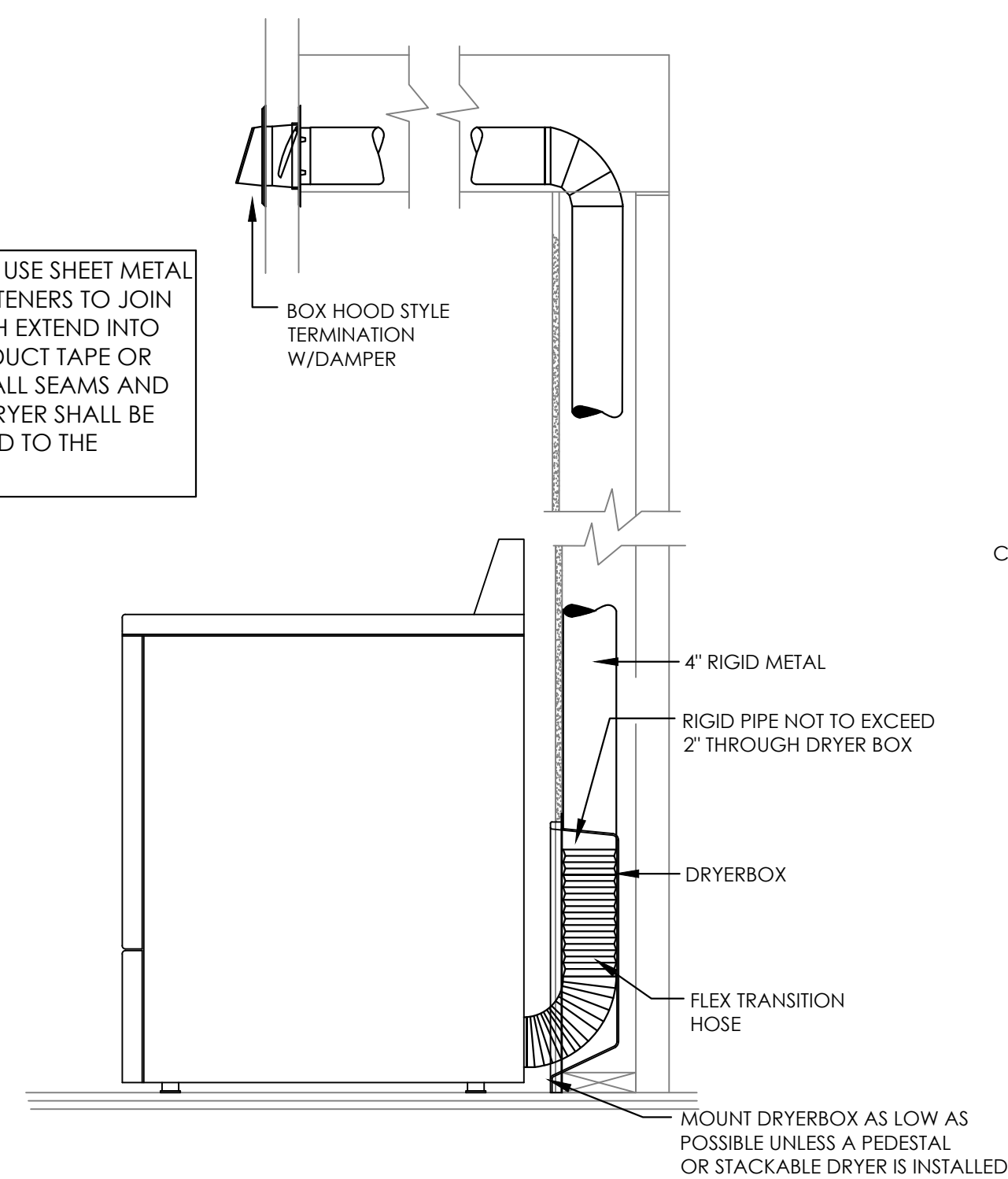


5 MOTORIZED DAMPER WIRING DIAGRAM
M401 NTS

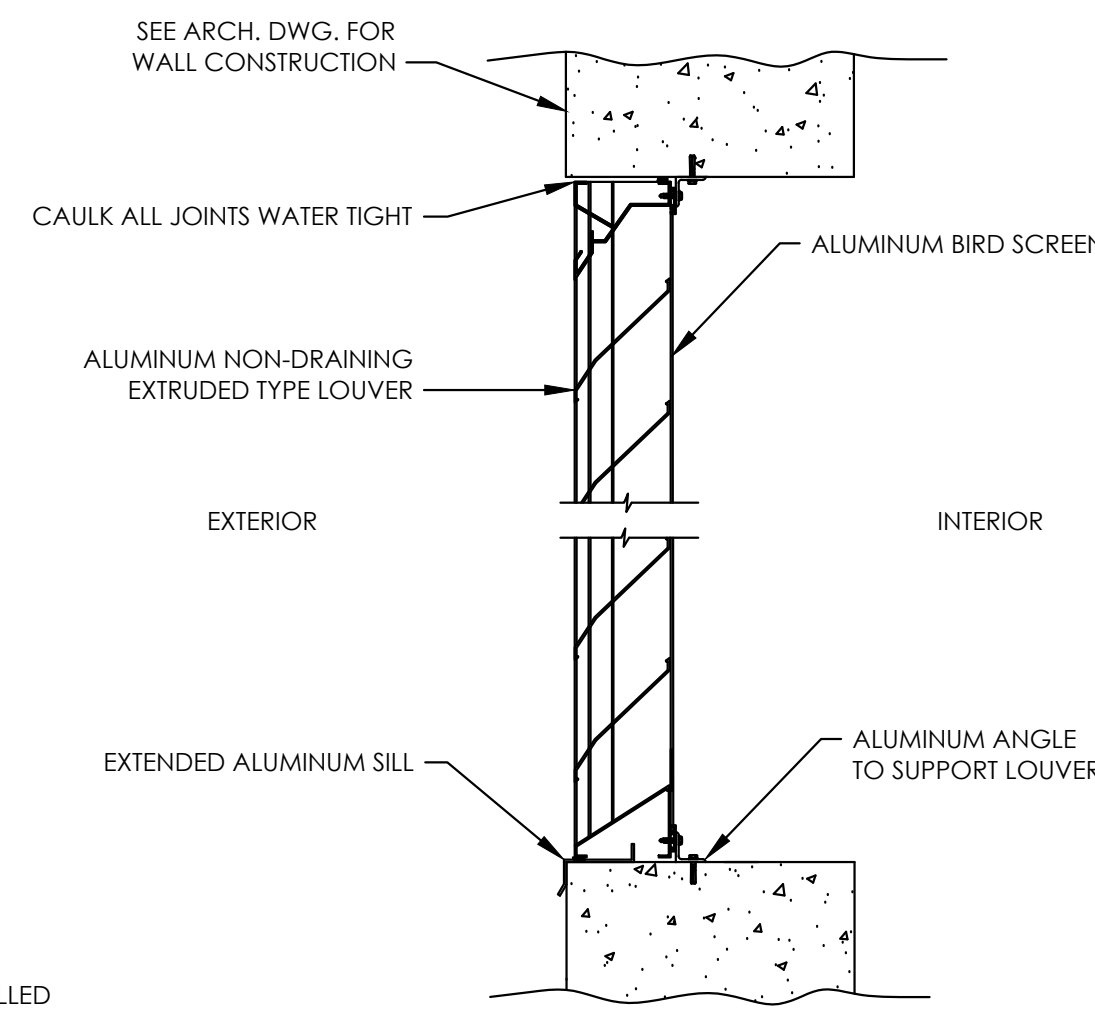
7 REFRIGERANT SUCTION PIPE SENSING BULB DETAIL
M401 NTS



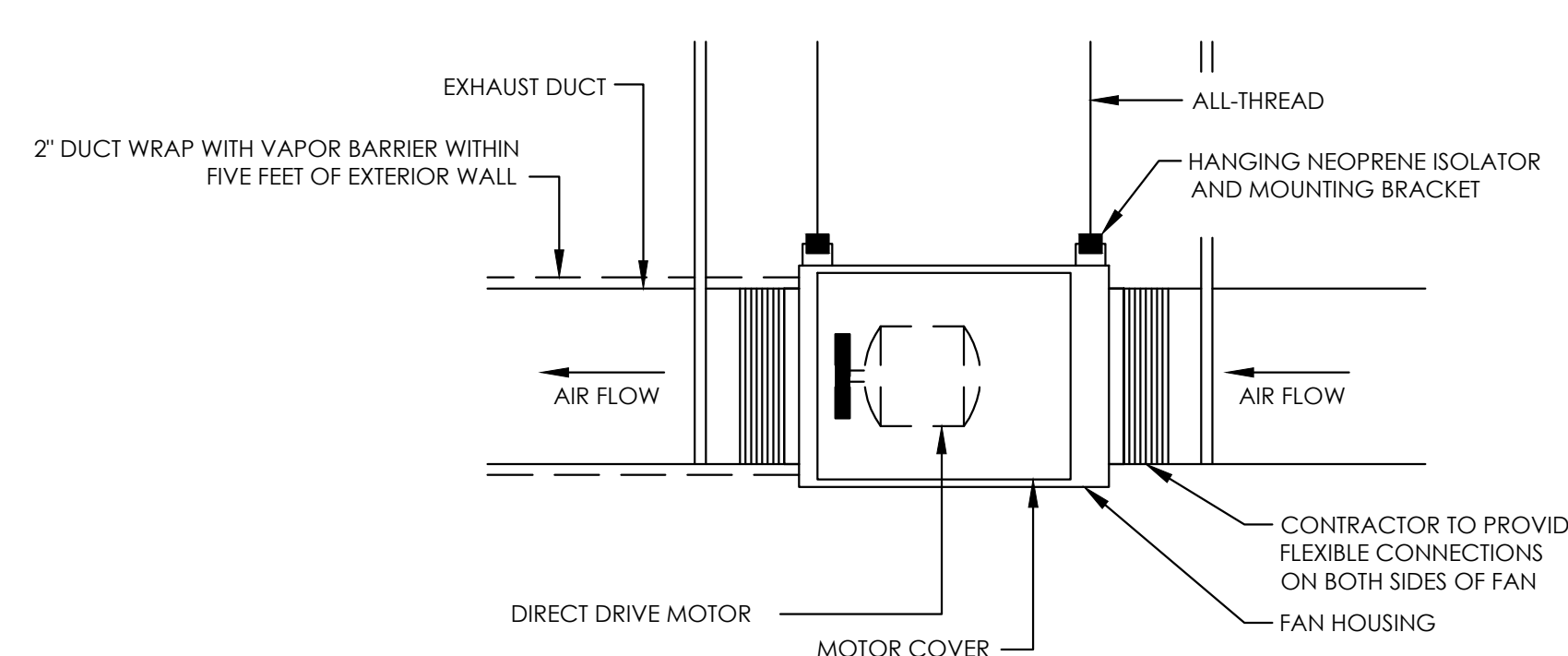
NOTES: DO NOT USE SHEET METAL SCREWS OR FASTENERS TO JOIN SECTIONS WHICH EXTEND INTO THE DUCT. USE DUCT TAPE OR POP RIVETS ON ALL SEAMS AND JOINTS. EACH DRYER SHALL BE DIRECTED VENTED TO THE EXTERIOR.



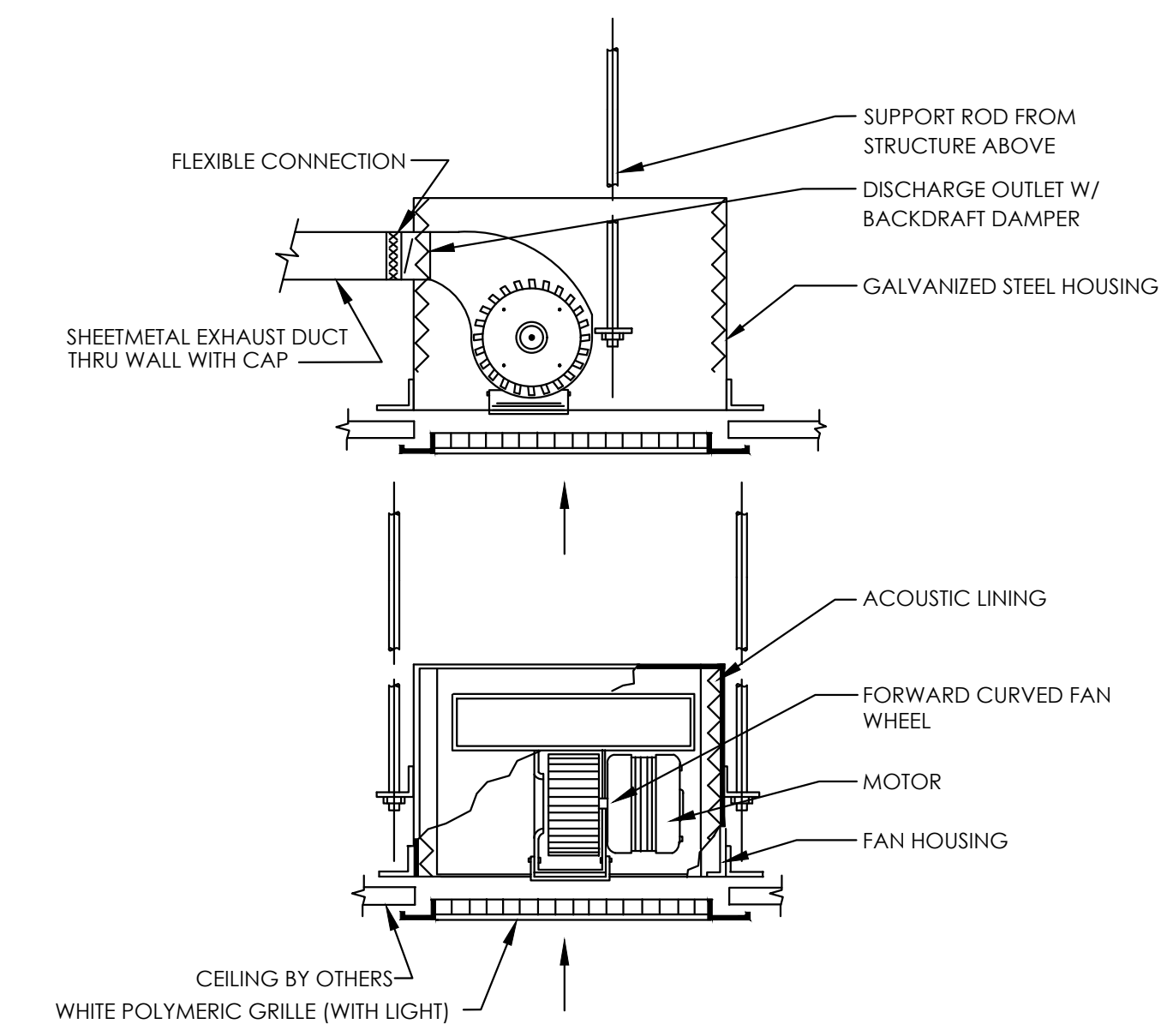
8 DRYER VENT DETAIL
M401 NTS



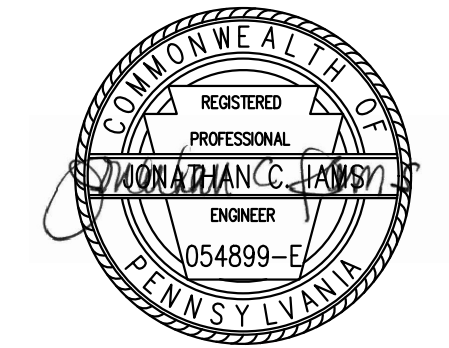
9 LOUVER DETAIL
M401 NTS



10 INLINE FAN DETAIL
M401 NTS



11 CABINET EXHAUST FAN DETAIL
M401 NTS



- general notes**
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 - All work shall be installed in accordance with applicable codes and regulations.
 - Contractor shall be responsible for the patching, repairing, and preparations of all existing floor, wall, and ceiling surfaces as required to receive scheduled finishes.
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revisions

project title

Owner:
HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:
Allies & Ross Management and Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

MECHANICAL DETAILS

scale As Noted	Sheet No. M401 Project #2040
date December 3rd, 2023	
no. 200	of. 233

VRF INDOOR AIR HANDLING UNIT SCHEDULE (FIRST FLOOR)

MARK	MFG.	TYPE	MODEL	CFM	OA CFM	S.P. (W.G.)	TOTAL DX CLNG	SENS DX CLG	TOTAL DX HEATING	WEIGHT	V/PH/HZ	MCA	MOCP	ASSOC. HP	ASSOC. CONTROLLER	REMARKS
AHU-100A	mitsubishi	CEILING CONCEALED	PEFY-P36NMAU	1100	170	0.6	34.5 MBH	27.8 MBH	33.8 MBH	86 LBS.	208/11/60	3.5	15	HP-1	BC-1	SEE NOTE A BELOW
AHU-100B	mitsubishi	CEILING CONCEALED	PEFY-P27NMAU	880	115	0.6	25.8 MBH	19.9 MBH	25.4 MBH	67 LBS.	208/11/60	2.88	15	HP-1	BC-1	SEE NOTE A BELOW
AHU-100C	mitsubishi	CEILING CONCEALED	PEFY-P24NMAU	800	150	0.6	22.9 MBH	18.8 MBH	22.8 MBH	67 LBS.	208/11/60	2.88	15	HP-1	BC-1	SEE NOTE A BELOW
AHU-100D	mitsubishi	CEILING CONCEALED	PEFY-P18NMAU	600	90	0.6	17.2 MBH	13.4 MBH	16.9 MBH	58 LBS.	208/11/60	2.94	15	HP-1	BC-1	SEE NOTE A BELOW
AHU-100E	mitsubishi	WALL MOUNTED	PKFY-P06NLMU	191	-	-	5.7 MBH	4.1 MBH	5.6 MBH	24.5 LBS.	208/11/60	0.24	15	HP-1	BC-1	SEE NOTE C BELOW
AHU-100F	mitsubishi	CEILING CONCEALED	PEFY-P12NMAU	360	55	0.6	11.4 MBH	8.1 MBH	11.4 MBH	47 LBS.	208/11/60	1.2	15	HP-1	BC-1	SEE NOTE A BELOW
AHU-100G	mitsubishi	CEILING CONCEALED	PEFY-P12NMAU	360	55	0.6	11.4 MBH	8.1 MBH	11.4 MBH	47 LBS.	208/11/60	1.2	15	HP-1	BC-1	SEE NOTE A BELOW
AHU-1-101	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	11.5 MBH	9.4 MBH	11.4 MBH	113 LBS.	208/11/60	3	15	HP-1	BC-1	SEE NOTE B BELOW
AHU-1-102	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	11.5 MBH	9.4 MBH	11.0 MBH	113 LBS.	208/11/60	3	15	HP-1	BC-1	SEE NOTE B BELOW
AHU-2-103	mitsubishi	MULTI-POSITION AHU	PVFFY-P18NAMU	585	55	0.8	17.2 MBH	13.4 MBH	16.9 MBH	113 LBS.	208/11/60	3	15	HP-1	BC-1	SEE NOTE B BELOW

VRF INDOOR AIR HANDLING UNIT SCHEDULE (SECOND FLOOR)

MARK	MFG.	TYPE	MODEL	CFM	OA CFM	S.P. (W.G.)	TOTAL DX CLNG	SENS DX CLG	TOTAL DX HEATING	WEIGHT	V/PH/HZ	MCA	MOCP	ASSOC. HP	ASSOC. CONTROLLER	REMARKS
AHU-200A	mitsubishi	CEILING CONCEALED	PEFY-P12NMAU	360	45	0.6	10.8 MBH	7.8 MBH	9.6 MBH	47 LBS.	208/11/60	2.13	15	HP-2	BC-2	SEE NOTE A BELOW
AHU-200B	mitsubishi	CEILING CONCEALED	PEFY-P12NMAU	370	50	0.6	10.8 MBH	7.8 MBH	9.6 MBH	47 LBS.	208/11/60	2.13	15	HP-2	BC-2	SEE NOTE A BELOW
AHU-1-201	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-202	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-203	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-204	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-205	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-206	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-207	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-208	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-209	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-210	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-2-211	mitsubishi	MULTI-POSITION AHU	PVFFY-P18NAMU	585	55	0.8	16.2 MBH	13.0 MBH	14.2 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-212	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-1-213	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW
AHU-2-214	mitsubishi	MULTI-POSITION AHU	PVFFY-P18NAMU	585	55	0.8	16.2 MBH	13.0 MBH	14.2 MBH	113 LBS.	208/11/60	3	15	HP-2	BC-2	SEE NOTE B BELOW

VRF INDOOR AIR HANDLING UNIT SCHEDULE (THIRD FLOOR)

MARK	MFG.	TYPE	MODEL	CFM	OA CFM	S.P. (W.G.)	TOTAL DX CLNG	SENS DX CLG	TOTAL DX HEATING	WEIGHT	V/PH/HZ	MCA	MOCP	ASSOC. HP	ASSOC. CONTROLLER	REMARKS
AHU-300A	mitsubishi	CEILING CONCEALED	PEFY-P12NMAU	360	45	0.6	10.8 MBH	7.8 MBH	9.6 MBH	47 LBS.	208/11/60	2.13	15	HP-3	BC-3	SEE NOTE A BELOW
AHU-300B	mitsubishi	CEILING CONCEALED	PEFY-P12NMAU	370	50	0.6	10.8 MBH	7.8 MBH	9.6 MBH	47 LBS.	208/11/60	2.13	15	HP-3	BC-3	SEE NOTE A BELOW
AHU-1-301	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-302	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-303	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-304	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-305	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-306	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-307	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-308	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-309	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-310	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-2-311	mitsubishi	MULTI-POSITION AHU	PVFFY-P18NAMU	585	55	0.8	16.2 MBH	13.0 MBH	14.2 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-312	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-1-313	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW
AHU-2-314	mitsubishi	MULTI-POSITION AHU	PVFFY-P18NAMU	585	55	0.8	16.2 MBH	13.0 MBH	14.2 MBH	113 LBS.	208/11/60	3	15	HP-3	BC-3	SEE NOTE B BELOW

VRF INDOOR AIR HANDLING UNIT SCHEDULE (FOURTH FLOOR)

MARK	MFG.	TYPE	MODEL	CFM	OA CFM	S.P. (W.G.)	TOTAL DX CLNG	SENS DX CLG	TOTAL DX HEATING	WEIGHT	V/PH/HZ	MCA	MOCP	ASSOC. HP	ASSOC. CONTROLLER	REMARKS
AHU-400A	mitsubishi	CEILING CONCEALED	PEFY-P24NMAU	795	115	0.6	21.6 MBH	18.3 MBH	19.2 MBH	67 LBS.	208/11/60	2.88	15	HP-4	BC-4	SEE NOTE A BELOW
AHU-400B	mitsubishi	CEILING CONCEALED	PEFY-P24NMAU	795	115	0.6	21.6 MBH	18.3 MBH	19.2 MBH	67 LBS.	208/11/60	2.88	15	HP-4	BC-4	SEE NOTE A BELOW
AHU-400C	mitsubishi	CEILING CONCEALED	PEFY-P18NMAU	500	75	0.6	16.2 MBH	13.0 MBH	14.2 MBH	58 LBS.	208/11/60	2.94	15	HP-4	BC-4	SEE NOTE A BELOW
AHU-400D	mitsubishi	CEILING CONCEALED	PEFY-P36NMAU	1200	200	0.6	32.4 MBH	27.0 MBH	28.5 MBH	86 LBS.	208/11/60	4.25	15	HP-4	BC-4	SEE NOTE A BELOW
AHU-1-401	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-1-402	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-1-403	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-1-404	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-1-405	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-1-406	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-1-407	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-1-408	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-2-409	mitsubishi	MULTI-POSITION AHU	PVFFY-P18NAMU	585	55	0.8	16.2 MBH	13.0 MBH	14.2 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-1-410	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-1-411	mitsubishi	MULTI-POSITION AHU	PVFFY-P12NAMU	400	45	0.8	10.8 MBH	9.1 MBH	9.6 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW
AHU-2-412	mitsubishi	MULTI-POSITION AHU	PVFFY-P18NAMU	585	55	0.8	16.2 MBH	13.0 MBH	14.2 MBH	113 LBS.	208/11/60	3	15	HP-4	BC-4	SEE NOTE B BELOW

NOTE A: CEILING CONCEALED AIR HANDLER, ENERGY STAR, SOLENOID VALVE KIT, DIRECT-DRIVE BLOWER MOTOR, FULLY INSULATED CABINET, CONDENSATE PUMP, CONDENSATE TRAP KIT, HIGH EFFICIENCY EVAPORATOR COILS, R410 REFRIGERANT, DRAIN PAN, VIBRATION ISOLATION HANGERS, CONDENSATE OVERFLOW SWITCH, MERV 8 FILTERS, DISCONNECT, AIR FLOW SWITCH, FAN SPEED INDICATION ADAPTER, RELAY KIT, AND 7 DAY PROGRAMMABLE THERMOSTAT.

NOTE B: CASED MULTI-POSITION AIR HANDLING UNIT, ENERGY STAR, SOLENOID VALVE KIT, DIRECT-DRIVE BLOWER MOTOR, FULLY INSULATED CABINET, CONDENSATE TRAP KIT, HIGH EFFICIENCY EVAPORATOR COILS, R410 REFRIGERANT, AIR FLOW SWITCH, CONDENSATE OVERFLOW SWITCH, RETURN AIR STAND, MERV 8 FILTERS, RELAY KIT, DISCONNECT, FAN SPEED INDICATION ADAPTER, AND 7 DAY PROGRAMMABLE THERMOSTAT.

NOTE C: WALL MOUNTED UNIT, ENERGY STAR, SOLENOID VALVE KIT, CONDENSATE PUMP, CONDENSATE TRAP KIT, HIGH EFFICIENCY EVAPORATOR COILS, R410 REFRIGERANT, DISCONNECT, AIR FLOW SWITCH, FAN SPEED INDICATION ADAPTER, RELAY KIT, AND 7 DAY PROGRAMMABLE THERMOSTAT.

VRF HEAT PUMP OUTDOOR UNIT SCHEDULE

MARK	SYSTEM MODEL	NOMINAL TONS	SUCTION	LIQUID	WEIGHT	ELECTRICAL (PER EACH MODULE)				IEER	REMARKS
						MODULES	V/PH/HZ	RFS	MOCP		
HP-1	PURY-EP192TSNU	16	1 1/8"	7/8"	1298 LBS.	2	208/3/60	45	45	25.7	SEE NOTES BELOW
HP-2	PURY-EP192TSNU	16	1 1/8"	7/8"	1298 LBS.	2	208/3/60	45	45	25.7	SEE NOTES BELOW
HP-3	PURY-EP192TSNU	16	1 1/8"	7/8"	1298 LBS.	2	208/3/60	45	45	25.7	SEE NOTES BELOW
HP-4	PURY-EP240TSNU	20	1 3/8"	7/8"	1244 LBS.	2	208/3/60	60	60	25.65	SEE NOTES BELOW

NOTES: DX UNIT MOUNTED ON HEAT PUMP STAND, TWO ELECTRICAL CONNECTIONS (ONE PER EACH MODULE), MICROPROCESSOR CONTROL, ELECTRONIC EXPANSE VALVE, REMOTE CONTROLLER KIT MULTISPEED, LOW-AMBIENT OPTION, R410A, DISCONNECT, NOISE REDUCTION OPTION

VRF BRANCH CONTROLLER SCHEDULE

MARK	SYSTEM MODEL	# OF PORTS	V/PH/HZ	MCA	MOCP	WEIGHT	DRAIN
BC-1	CMB-P1012NU	12	208/11/60	1.57	15	133	3/4"
BC-2	CMB-P1016NU	16	208/11/60	1.57	15	150	3/4"
BC-3	CMB-P1016NU	16	208/11/60	1.57	15	150	3/4"
BC-4	CMB-P1016NU	16	208/11/60	1.57	15	150	3/4"</

Fukui Architects Pc

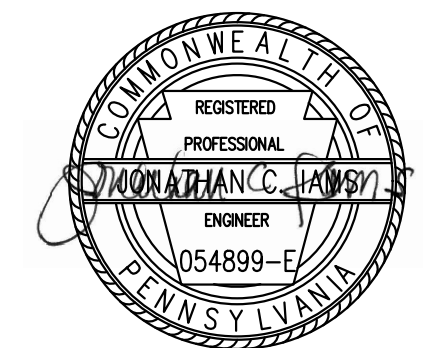
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seal



general notes

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- All items shown on drawings are finished construction assemblies. Contractor shall provide and install all material required for finished assemblies.
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246 Penfort Street
Pittsburgh, PA 15214

drawing title

MECHANICAL SCHEDULES

scale
As Noted

date
December 3rd, 2023

no. **202** of. **233**

Sheet No.

M501

Project #2040

CEILING EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	QTY*	CFM	SP	FAN RPM	MOTOR INFORMATION				WEIGHT	DESCRIPTION
								SIZE (W)	ELECT	ENCL	AMPS		
CEF-1	BROAN	QTXE080	BATHROOM	43	80	0.25	-	23.3	115/1/60	-	0.2	12.0 LBS	CABINET EXHAUST FAN W/ INSULATED HOUSING, ENERGY STAR, CYCLE TIMER, INTEGRAL BACKDRAFT DAMPER, RADIATION DAMPER, DISCONNECT
CEF-2	GREENHECK	SP-A390-VG	BATHROOM	1	70	0.32	700	14	115/1/60	TENV	1.5	24.0 LBS	CABINET EXHAUST FAN W/ INSULATED HOUSING, ENERGY STAR, INTEGRAL BACKDRAFT DAMPER, RADIATION DAMPER, DISCONNECT
CEF-3	GREENHECK	SP-A390-VG	BATHROOM	1	70	0.32	700	14	115/1/60	TENV	1.5	24.0 LBS	CABINET EXHAUST FAN W/ INSULATED HOUSING, ENERGY STAR, INTEGRAL BACKDRAFT DAMPER, RADIATION DAMPER, DISCONNECT
CEF-4	GREENHECK	SP-A390-VG	BATHROOM	1	140	0.3	769	19	115/1/60	TENV	1.5	24.0 LBS	CABINET EXHAUST FAN W/ INSULATED HOUSING, ENERGY STAR, INTEGRAL BACKDRAFT DAMPER, RADIATION DAMPER, DISCONNECT
CEF-5	GREENHECK	SP-A390-VG	TRASH ROOM	1	175	0.4	866	27	115/1/60	TENV	1.5	24.0 LBS	CABINET EXHAUST FAN W/ INSULATED HOUSING, ENERGY STAR, INTEGRAL BACKDRAFT DAMPER, RADIATION DAMPER, DISCONNECT
CEF-6	GREENHECK	SP-B80	TRASH CHUTE ROOM	1	60	0.25	900	17	115/1/60	ODP	0.6	9.0 LBS	CABINET EXHAUST FAN W/ INSULATED HOUSING, ENERGY STAR, INTEGRAL BACKDRAFT DAMPER, RADIATION DAMPER, DISCONNECT
CEF-7	GREENHECK	SP-B80	TRASH CHUTE ROOM	1	60	0.25	900	17	115/1/60	ODP	0.6	9.0 LBS	CABINET EXHAUST FAN W/ INSULATED HOUSING, ENERGY STAR, INTEGRAL BACKDRAFT DAMPER, RADIATION DAMPER, DISCONNECT
CEF-8	GREENHECK	SP-B80	TRASH CHUTE ROOM	1	60	0.25	900	17	115/1/60	ODP	0.6	9.0 LBS	CABINET EXHAUST FAN W/ INSULATED HOUSING, ENERGY STAR, INTEGRAL BACKDRAFT DAMPER, RADIATION DAMPER, DISCONNECT
CEF-9	GREENHECK	SP-B80	TRASH CHUTE ROOM	1	60	0.25	900	17	115/1/60	ODP	0.6	9.0 LBS	CABINET EXHAUST FAN W/ INSULATED HOUSING, ENERGY STAR, INTEGRAL BACKDRAFT DAMPER, RADIATION DAMPER, DISCONNECT

* CONTRACTOR SHALL VERIFY ALL QUANTITIES.

IN-LINE EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	CFM	SP	FAN RPM	MOTOR INFORMATION				WEIGHT	DESCRIPTION
							SIZE (HP)	ELECT	ENCL	RPM		
EF-1	GREENHECK	SQ-97-VG	WATER UTILITY ROOM	120	0.5	1342	1/4	115/1/60	ODP	1725	49 LBS	INLINE DIRECT DRIVE EXHAUST FAN, PROVIDE DISCONNECT, INSULATED HOUSING, SPRING ISOLATOR KIT.

ELECTRIC WALL HEATER SCHEDULE

MARK	MFR.	MODEL	MOUNTING	MOUNTING HEIGHT*	BTUH/HR	ELECTRICAL	WATTS	AMPS	REMARKS
EW-H-1	QMARK	CWH3404F	WALL	1'-0"	10230	208/1/60	3000	14.5	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, WALL MOUNTED BRACKET
EW-H-2	QMARK	CWH3404F	WALL	1'-0"	10230	208/1/60	3000	14.5	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, WALL MOUNTED BRACKET
EW-H-3	QMARK	CWH3404F	WALL	1'-0"	10230	208/1/60	3000	14.5	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, WALL MOUNTED BRACKET
EW-H-4	QMARK	CWH3404F	WALL	1'-0"	10230	208/1/60	3000	14.5	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, WALL MOUNTED BRACKET
EW-H-5	QMARK	CWH3404F	WALL	1'-0"	10230	208/1/60	3000	14.5	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, WALL MOUNTED BRACKET
EW-H-6	QMARK	CWH3404F	WALL	1'-0"	10230	208/1/60	3000	14.5	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, WALL MOUNTED BRACKET

* MOUNTING HEIGHT SHALL BE FROM FINISHED FLOOR TO THE BOTTOM OF THE UNIT.

ELECTRIC UNIT HEATER SCHEDULE

MARK	MFR.	MODEL	MOUNTING	MOUNTING HEIGHT*	BTUH/HR	ELECTRICAL	WATTS	AMPS	REMARKS
UH-1	BERKO	HUHA320	CEILING	7'-6"	10239	208/1/60	3000	14.5	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, CEILING MOUNTED BRACKET
UH-2	BERKO	HUHA320	CEILING	7'-6"	10239	208/1/60	3000	14.5	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, CEILING MOUNTED BRACKET
UH-3	BERKO	HUHA320	CEILING	7'-6"	10239	208/1/60	3000	14.5	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, CEILING MOUNTED BRACKET
UH-4	BERKO	HUHA1020	CEILING	7'-6"	34121	208/1/60	10000	48	DISCONNECT, INTERGRAL THERMOSTAT, SUMMER FAN SWITCH, CEILING MOUNTED BRACKET

* MOUNTING HEIGHT SHALL BE FROM FINISHED FLOOR TO THE BOTTOM OF THE UNIT.

GRILLES, REGISTER & DIFFUSER SCHEDULE

MARK	MFR.	MODEL	MOUNTING	FACE SIZE	NECK SIZE	BLOW	COLOR	DESCRIPTION
A	PRICE	SPD	CEILING	24"X24"	6"Ø	4 - WAY	(BY ARCHITECT)	SA, SQUARE PLAQUE DIFFUSER WITH OPPOSED BLADE DAMPER
B	PRICE	510	CEILING	8" x 8"	6" x 6"	1 - WAY	(BY ARCHITECT)	SA, 45° DEFLECTION GRILLE WITH OPPOSED BLADE DAMPER
C	PRICE	510	CEILING	10" x 8"	8" x 6"	1 - WAY	(BY ARCHITECT)	SA, 45° DEFLECTION GRILLE WITH OPPOSED BLADE DAMPER
D	PRICE	510	CEILING	12" x 8"	10" x 6"	1 - WAY	(BY ARCHITECT)	SA, 45° DEFLECTION GRILLE WITH OPPOSED BLADE DAMPER
E	PRICE	SPD	CEILING	24"X24"	10"Ø	4 - WAY	(BY ARCHITECT)	SA, SQUARE PLAQUE DIFFUSER WITH OPPOSED BLADE DAMPER AND RADIATION DAMPER AS NOTED
F	PRICE	SPD	CEILING	12"X12"	8"Ø	4 - WAY	(BY ARCHITECT)	SA, SQUARE PLAQUE DIFFUSER WITH OPPOSED BLADE DAMPER AND RADIATION DAMPER AS NOTED
G	PRICE	SPD	CEILING	12"X12"	6"Ø	4 - WAY	(BY ARCHITECT)	SA, SQUARE PLAQUE DIFFUSER WITH OPPOSED BLADE DAMPER AND RADIATION DAMPER AS NOTED
H	PRICE	SPD	CEILING	24"X24"	12"Ø	4 - WAY	(BY ARCHITECT)	SA, SQUARE PLAQUE DIFFUSER WITH OPPOSED BLADE DAMPER
I	PRICE	530	CEILING	16" x 16"	14" x 14"	-	(BY ARCHITECT)	RA, 45° DEFLECTION GRILLE WITH OPPOSED BLADE DAMPER
J	PRICE	530	CEILING	18" x 18"	16" x 16"	-	(BY ARCHITECT)	RA, 45° DEFLECTION GRILLE WITH OPPOSED BLADE DAMPER
K	PRICE	530	CEILING	26" x 20"	24" x 18"	-	(BY ARCHITECT)	RA, 45° DEFLECTION GRILLE WITH OPPOSED BLADE DAMPER
L	PRICE	530	CEILING	16" x 12"	14" x 10"	-	(BY ARCHITECT)	TA, 45° DEFLECTION TRANSFER GRILLE
M	PRICE	530	CEILING	12" x 10"	10" x 8"	-	(BY ARCHITECT)	TA, 45° DEFLECTION TRANSFER GRILLE WITH RADIATION DAMPER AS NOTED
N	PRICE	SPD	CEILING	24"X24"	8"Ø	4 - WAY	(BY ARCHITECT)	SA, SQUARE PLAQUE DIFFUSER WITH OPPOSED BLADE DAMPER
O	PRICE	730	CEILING	16" x 8"	14" x 6"	-	(BY ARCHITECT)	OA, 45° DEFLECTION GRILLE (WEATHER RESISTANT)
P	PRICE	80	DUCT	10" x 8"	8" x 6"	-	(BY ARCHITECT)	EA, EGG CRATE GRILLE WITH OPPOSED BLADE DAMPER

LOUVER SCHEDULE

TYPE	MANUFACTURER	INSTALLATION	MODEL	SERVICE	CFM	SIZE	FREE AREA (SF)	VELOCITY (FPM)	APD	FINISH	DESCRIPTION
LV-1	GREENHECK	WALL	ESD-202	EXHAUST	280	24" x 10"	0.46	603	0.05	BAKED ENAMEL	ALUMINUM DRAINABLE BLADE LOUVER, RAIN AND WEATHER RESISTANT, ALUMINUM BIRDSCREEN AND COLOR BY ARCHITECT
LV-2	GREENHECK	WALL	ESD-202	INTAKE	145	14" x 10"	0.25	700	0.06	BAKED ENAMEL	ALUMINUM DRAINABLE BLADE LOUVER, RAIN AND WEATHER RESISTANT, ALUMINUM BIRDSCREEN AND COLOR BY ARCHITECT
LV-3	GREENHECK	WALL	ESD-202	EXHAUST	235	20" x 10"	0.36	660	0.06	BAKED ENAMEL	ALUMINUM DRAINABLE BLADE LOUVER, RAIN AND WEATHER RESISTANT, ALUMINUM BIRDSCREEN AND COLOR BY ARCHITECT
LV-4	GREENHECK	WALL	ESD-202	INTAKE	200	18" x 10"	0.31	640	0.05	BAKED ENAMEL	ALUMINUM DRAINABLE BLADE LOUVER, RAIN AND WEATHER RESISTANT, ALUMINUM BIRDSCREEN AND COLOR BY ARCHITECT
LV-5	GREENHECK	WALL	ESD-202	INTAKE	120	12" x 10"	0.17	688	0.06	BAKED ENAMEL	ALUMINUM DRAINABLE BLADE LOUVER, RAIN AND WEATHER RESISTANT, ALUMINUM BIRDSCREEN AND COLOR BY ARCHITECT
LV-6	GREENHECK	WALL	ESD-202	EXHAUST	120	12" x 10"	0.17	688	0.07	BAKED ENAMEL	ALUMINUM DRAINABLE BLADE LOUVER, RAIN AND WEATHER RESISTANT, ALUMINUM BIRDSCREEN AND COLOR BY ARCHITECT

DUCTWORK MATERIAL AND INSULATION SCHEDULE

MARK	SYSTEM	MATERIAL	PRESSURE CLASS	INSULATION
SA	SUPPLY AIR	GALVANIZED, G90	SMACNA 1"	1" DUCT LINER (RECTANGULAR) - 1" DUCT WRAP (ROUND)
RA	RETURN AIR	GALVANIZED, G90	SMACNA 1"	1" DUCT LINER (RECTANGULAR) - 1" DUCT WRAP (ROUND)
EA	EXHAUST AIR - INDOOR	GALVANIZED, G90	SMACNA 1"	NO INSULATION REQUIRED
EA	EXHAUST AIR WITHIN 5' OF EXT. WALL	GALVANIZED, G90	SMACNA 1"	WRAP WITH 2-1/2" FIBERGLASS DUCTWRAP WITH VAPOR BARRIER
OA	OUTSIDE AIR	GALVANIZED, G90	SMACNA 1"	WRAP WITH 1 1/2" FIBERGLASS DUCTWRAP WITH VAPOR BARRIER
TA	TRANSFER AIR	GALVANIZED, G90	SMACNA 1"	1" DUCT LINER
DRA	DRYER EXHAUST AIR	GALVANIZED, G90**	SMACNA 1"	WRAP WITH 1 1/2" FIBERGLASS DUCTWRAP WITH VAPOR BARRIER

** DO NOT USE SHEET METAL SCREWS TO JOIN SECTIONS OF DUCT FOR DRYER EXHAUST AIR

PIPING MATERIAL AND INSULATION SCHEDULE

TYPE	SYSTEM	MATERIAL	FITTINGS	JOINTS	PIPE SIZE	INSULATION
D	CONDENSATE DRAIN	SCHEDULE 40 CPVC - PLENUM RATED	SCHEDULE 40 CPVC	GLUED	ALL SIZES	1/2" FIBERGLASS
S	INTERIOR SUCTION	COPPER TUBING: ASTM B88, TYPE 'L' ACR, HARD DRAWN	COPPER FITTINGS: ASME B16.22, ACR WROUGHT COPPER	ASTM B32, SOLDER, GRADE 95TA, LEAD FREE	<=2"	1-1/2" FIBERGLASS INSULATION
L	INTERIOR LIQUID	COPPER TUBING: ASTM B88, TYPE 'L' ACR, HARD DRAWN	COPPER FITTINGS: ASME B16.22, ACR WROUGHT COPPER	ASTM B32, SOLDER, GRADE 95TA, LEAD FREE	<=2"	1-1/2" FIBERGLASS INSULATION
S	EXTERIOR SUCTION	COPPER TUBING: ASTM B88, TYPE 'L' ACR, HARD DRAWN	COPPER FITTINGS: ASME B16.22, ACR WROUGHT COPPER	ASTM B32, SOLDER, GRADE 95TA, LEAD FREE	<=2"	1-1/2" FIBERGLASS INSULATION
L	EXTERIOR LIQUID	COPPER TUBING: ASTM B88, TYPE 'L' ACR, HARD DRAWN	COPPER FITTINGS: ASME B16.22, ACR WROUGHT COPPER	ASTM B32, SOLDER, GRADE 95TA, LEAD FREE	<=2"	1-1/2" FIBERGLASS INSULATION

NOTE: EXTERIOR REFRIGERATION PIPING SHALL COVERED W/ P.V.C. SPLIT INSULATION JACKET W/ CEMENTED JOINTS

CODE OUTSIDE AIR REQUIREMENTS FOR OCCUPIED SPACES											
ROOM(S)	OCCUPANCY TYPE	AREA (SQ.FT.)	AREA VENTILATION RATE (CFM/SQ.FT.)	PEOPLE OA RATE (CFM/PERSON)	OCCUPANT DENSITY	ZONE POPULATION	TOTAL OA REQUIRED (CFM)	TOTAL OA PROVIDED (CFM)	VENTILATION TYPE	TOTAL EA REQUIRED (CFM)	TOTAL EA PROVIDED (CFM)
		Az	Ra	Rp	(Per 1000 sq.ft.)	Pz	Vz	Vz	TYPE	Vz	Vz
FIRST FLOOR											
COMMUNITY ROOM	MEETING	985	0.06	5	-	22	170	170	MECHANICAL	0.0	0.0
LOBBY MAIL AREA HALLWAY	LOBBY	460	0.06	5	10	5	52	60	MECHANICAL	0.0	0.0
SOCIAL SERVICES	OFFICE	165	0.06	5	5	1	15	30	MECHANICAL	0.0	0.0
ADMINISTRATION OFFICE	OFFICE	160	0.06	5	5	1	15	25	MECHANICAL	0.0	0.0
MAIN HALLWAY	CORRIDOR	665	0.06	N/A	N/A	N/A	40	55	MECHANICAL	0.0	0.0
ELEVATOR LOBBY	LOBBY	195	0.06	5	10	2	22	25	MECHANICAL	0.0	0.0
HALLWAY	CORRIDOR	95	0.06	N/A	N/A	N/A	5	5	MECHANICAL	0.0	0.0
MULTI PURPOSE ROOM	MEETING	340	0.06	5	-	10	70	85	MECHANICAL	0.0	0.0
COMPUTER ROOM	OFFICE	190	0.06	5	5	8	51	55	MECHANICAL	0.0	0.0
UNIT 1A	DWELLING UNIT	630	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1B	DWELLING UNIT	640	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 2A	DWELLING UNIT	880	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	3	53	55	MECHANICAL	150	150
SECOND FLOOR											
HALLWAY	CORRIDOR	1020	0.06	N/A	N/A	N/A	61	62	MECHANICAL	0.0	0.0
ELEVATORS	LOBBY	305	0.06	5	10	3	33	33	MECHANICAL	0.0	0.0
UNIT 1C	DWELLING UNIT	670	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1C	DWELLING UNIT	670	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1D	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 2C	DWELLING UNIT	925	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	3	53	55	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 2B	DWELLING UNIT	915	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	3	53	55	MECHANICAL	150	150
THIRD FLOOR											
HALLWAY	CORRIDOR	1020	0.06	N/A	N/A	N/A	61	62	MECHANICAL	0.0	0.0
ELEVATORS	LOBBY	305	0.06	5	10	3	33	33	MECHANICAL	0.0	0.0
UNIT 1C	DWELLING UNIT	670	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1C	DWELLING UNIT	670	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1D	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 2C	DWELLING UNIT	925	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	3	53	55	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1E	DWELLING UNIT	650	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 2B	DWELLING UNIT	915	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	3	53	55	MECHANICAL	150	150
FOURTH FLOOR											
HALLWAY	CORRIDOR	1020	0.06	N/A	N/A	N/A	61	130	MECHANICAL	0.0	0.0
ELEVATORS	LOBBY	305	0.06	5	10	3	33	100	MECHANICAL	0.0	0.0
COMMUNAL ROOM	MEETING	360	0.06	5	-	10	72	75	MECHANICAL	0.0	0.0
LAUNDRY ROOM	LAUNDRY	270	0.12	5	10	3	50	200	MECHANICAL	0.0	0.0
UNIT 1F	DWELLING UNIT	645	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1G	DWELLING UNIT	625	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1G	DWELLING UNIT	625	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1G	DWELLING UNIT	625	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1G	DWELLING UNIT	625	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1G	DWELLING UNIT	625	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1G	DWELLING UNIT	625	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 2E	DWELLING UNIT	900	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	3	53	55	MECHANICAL	150	150
UNIT 1G	DWELLING UNIT	625	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 1G	DWELLING UNIT	625	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	2	45	45	MECHANICAL	150	150
UNIT 2D	DWELLING UNIT	890	N/A	0.35 ACH (15 CFM/P MIN)	FIRST BR: 2.0, ADDTL. BR: 1.0	3	53	55	MECHANICAL	150	150

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seal



general notes

- Any conflicts in the drawings or between new and existing construction shall be referred to the Architect.
- Contractor shall verify all dimensions and existing conditions in the field and shall advise Fukui Architects, Pc of any discrepancies between, additions to, deletions from, or alterations to any and all conditions prior to proceeding with any phase of work. **Do not scale drawings.**
- All work shall be installed in accordance with applicable codes and regulations.
- Contractor shall be responsible for the patching, repairing, and preparations of all existing floor, wall, and ceiling surfaces as required to receive scheduled finishes.
- All items shown on drawings are finished construction assemblies. Contractor shall provide and install all material required for finished assemblies.
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revisions

project title

Owner:
HACP
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Pittsburgh, PA, 15219

Client:
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Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

MECHANICAL SCHEDULES

scale As Noted	Sheet No. M502 Project #2040
date December 3rd, 2023	
no. 203	of. 233

POWER LEGEND AND SYMBOLS:

	HOMERUN TO PANELBOARD, #12AWG (U.N.O); No. OF TICKS MARKS INDICATES No. OF CONDUCTORS. LARGER TICK MARK INDICATES NEUTRAL WIRE BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING
	NORMAL/EMERGENCY BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING.
	EMERGENCY BRANCH CIRCUIT CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING.
	SECURITY AND ACCESS CONTROL SYSTEM CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING.
	FIRE ALARM SYSTEM CONDUIT RUN CONCEALED IN WALLS OR ABOVE CEILING.
	CONDUIT RUN UNDERGROUND
	JUNCTION BOX OR PULLBOX. 'J' FOR JUNCTION BOX AND 'PB' FOR PULLBOX. ALL BOXES SHALL BE A MINIMUM OF FOUR INCHES SQUARE, WHERE A JUNCTION BOX IS SHOWN FOR SPECIFIC EQUIPMENT EXTEND FLEXIBLE CONDUIT AND WIRING AND CONNECT TO EQUIPMENT SERVED OR PROVIDE PROPER TYPE RECEPTACLE FOR CONNECTION, AS REQUIRED.
	DUPLEX RECEPTACLE, 20 AMPERE, 125 VOLT, 2 POLE, 3 WIRE GROUNDING TYPE, NEMA 5-20R, MOUNTED 18 INCHES ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. BOXES SHALL BE SEALED WITH OUTLET ACOUSTICAL BACKER PADS AND ACOUSTICAL SEALANT AT THE PERIMETER OF EACH BOX. "X" INDICATES FIXTURE TYPE OPTIONS: GFCI - GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE WP - WEATHERPROOF COVER PLATE
	SPECIAL PURPOSE RECEPTACLE, SIZE AND TYPE AS SHOWN ON THE DRAWINGS, WITH A TYPE 302 STAINLESS STEEL COVER PLATE. MOUNTED 18 IN. ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED, WHERE INDICATED ON THE DRAWINGS. RECEPTACLE SHALL BE PROVIDED WITH ONE MATCHING PLUG FOR INSTALLATION ON THE ASSOCIATED PIECE OF EQUIPMENT.
	PANELBOARD, MOUNTED 6 FT. 6 IN. ABOVE FINISHED FLOOR TO TOP OF CABINET UNLESS OTHERWISE NOTED. SEE 'PANELBOARD SCHEDULE' FOR NUMBER AND SIZE OF OVERCURRENT DEVICES. PANEL SHALL BE RECESSED IN ANY FINISHED WALL
	DISCONNECT SWITCH - SIZE AS INDICATED ON PLANS
	FUSIBLE DISCONNECT SWITCH - SIZE AS INDICATED ON PLANS
	COMBINATION STARTER/DISCONNECT SWITCH - SIZE AS INDICATED ON PLANS
	FUSE SIZE (AMPS), N.F. INDICATES NON-FUSED, 3R INDICATES RAIN TIGHT. No. OF POLES SIZE (AMPS)
	DRY TYPE FLOOR/WALL MOUNTED DOE 2016 CERTIFIED TRANSFORMER. SIZE AND VOLTAGE AS SHOWN ON DRAWING "XTR-##" INDICATES TRANSFORMER NUMBER
	MOTORIZED DAMPER (BY MC), PROVIDE 120V POWER. FINAL LOCATION PER M.C.

DATA AND COMMUNICATION LEGEND AND SYMBOLS:

	TELEPHONE OUTLET, MOUNTED 18 IN. ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED, WITH A 1-INCH CONDUIT TO ACCESSIBLE MAIN CORRIDOR CEILING. PROVIDE ONE CAT6 CABLE FROM OUTLET LOCATION TO TELEPHONE BOARD. TERMINATE ON EC PROVIDED PATCH PANEL/RACK.
	DATA/COMM OUTLET, MOUNTED 18 IN. ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED, WITH A 1-INCH CONDUIT TO ACCESSIBLE MAIN CORRIDOR CEILING. PROVIDE ONE CAT6 CABLE (U.N.O. BY NUMBER SHOWN) FROM OUTLET LOCATION TO TELEPHONE BOARD/DATA RACK. TERMINATE ON EC PROVIDED PATCH PANEL/RACK.
	DATA/COMM OUTLET, 1-INCH CONDUIT OR PATHWAY TO PATCH RACK. PROVIDE TWO CAT6 CABLE FROM OUTLET LOCATION TO TELEPHONE BOARD/DATA RACK. LEAVE 15' CABLE COILED AT LOCATION FOR LOCATION ADJUSTMENT IN FIELD. TERMINATE ON EC PROVIDED PATCH PANEL/RACK.
	TELEPHONE BACKBOARD (WALL MOUNTED) 4' x 8' PLYWOOD SECURELY FASTENED TO WALL
	CATV OUTLET, MOUNTED 18 IN. ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED, WITH A 1-INCH CONDUIT TO ACCESSIBLE MAIN CORRIDOR CEILING. PROVIDE ONE SHIELDED RG6 CABLE FROM OUTLET LOCATION TO DEMARK.
	RECESSED APARTMENT DISTRIBUTION PANEL BOX WITH HINGED DOOR. LEGRAND TYPE: ENP4250 (or Telecom/Data Company approved box) PROVIDE: 1) 120v DEDICATED CIRCUIT TO DUPLEX RECEPTACLE MOUNTED IN BOX. 2) COAX SPLITTER, PROVIDE AMPLIFIER FOR MORE THAN 4-WAY CONNECTIONS. (Coordinate count with plans.) 3) PROVIDE GIGABIT SWITCH FOR DATA DISTRIBUTION AND CABLE TERMINATION POINT. (Coordinate port count with plans)

ACCESS CONTROL AND SECURITY LEGEND AND SYMBOLS:

	SECURITY AND ACCESS SYSTEM CARD READER STATION, MOUNTED 44" ABOVE FINISHED FLOOR.
	SECURITY AND ACCESS SYSTEM MAGNETIC LOCK
	SECURITY AND ACCESS SYSTEM DOOR STRIKE
	SECURITY AND ACCESS SYSTEM MOTION DETECTOR
	SECURITY AND ACCESS SYSTEM DOOR STRIKE RELEASE PUSHBUTTON.
	DOOR CONTACTOR.
	SECURITY CAMERA BACK BOX, AND RACEWAY TO CEILING. CAMERA AND WIRE BY OTHERS

SYMBOLS MAY NOT ALL BE USED

LIGHTING LEGEND AND SYMBOLS:

	RECESSED, SURFACE OR PENDANT MOUNTED FLUORESCENT LIGHTING FIXTURE, TYPE LETTER AND CIRCUIT NUMBER SHOWN. '2A' DENOTES PANELBOARD, '2' DENOTES CIRCUIT NUMBER, 'b' DENOTES SWITCH LETTER, 'AA' & 'A' DENOTES FIXTURE TYPE LETTER (NOTATIONS TYPICAL). SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS. 'SHADED' INDICATES W/ EMERGENCY BALLAST OR CONNECTION TO NORMAL/EMERGENCY SYSTEM.
	WALL MOUNTED LIGHTING FIXTURE. SEE 'LIGHTING FIXTURE SCHEDULE' FOR DETAILS. FIXTURE, TYPE LETTER AND CIRCUIT NUMBER SHOWN. '2A' DENOTES PANELBOARD, '2' DENOTES CIRCUIT NUMBER, 'b' DENOTES SWITCH LETTER, 'AA' & 'A' DENOTES FIXTURE TYPE LETTER (NOTATIONS TYPICAL). SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS. 'SHADED' INDICATES W/ EMERGENCY BALLAST OR CONNECTION TO NORMAL/EMERGENCY SYSTEM.
	EXIT SIGN. SEE LIGHTING FIXTURE SCHEDULE
	EMERGENCY WALL PACK. SEE LIGHTING FIXTURE SCHEDULE. WIRE TO LOCAL LIGHTING CIRCUIT AHEAD OF ANY CONTROL DEVICES.
	SINGLE POLE SWITCH - MOUNT AT 44" A.F.F. UNLESS NOTED OTHERWISE. X DENOTES SWITCHING CIRCUIT Y DENOTES SWITCH TYPE SEE BELOW: *"#"- "*" = ABOVE COUNTER, "#" = HEIGHT ABOVE FINISH FLOOR. "3" - 3 WAY SWITCH "D" - DIMMER SWITCH "F" - FAN CONTROL SWITCH. 2 CONTROL LEGS, FAN AND LIGHT "C" - CONTACTOR OPERATED SWITCH/W PILOT LIGHT. "T" - TIMER SWITCH 2 HOUR SETTING AND ON/OFF OVERRIDE USE THE SENSOR SWITCH CAT. No. PTS60-WH OR APPROVED EQUAL "OS" - WALL SWITCH WITH PASSIVE INFRARED OCCUPANCY SENSOR. USE THE SENSOR SWITCH CAT. No. WSD-2P-V OR APPROVED EQUAL "K" - KEY CONTROLLED SWITCH "P" - SWITCH WITH PILOT LIGHT "LV" - LOW VOLTAGE SWITCH AS PART OF THE LIGHTING CONTROL SYSTEM
	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR. % # - DIM TO PERCENT SHOWN WHEN UNOCCUPIED. FULL OFF WHEN NOT SHOWN.
	CEILING MOUNTED DUAL TECHNOLOGY VACANCY SENSOR.
	CEILING MOUNTED DAYLIGHTING SENSOR.
	LIGHTING CONTROL STATION.
	LIGHTING CONTROL RELAY PANEL WITH TIME CLOCK, OCCUPANCY SENSOR CONTROL INPUT, AND DIGITALLY LINKABLE BETWEEN EACH PANEL
	ASTRONOMICAL TIME CLOCK WITH MANUAL OVERRIDE. MINIMUM 2 CIRCUIT CONTROL CAPABILITY

ELECTRICAL ABBREVIATIONS:

ABBREV.	DESCRIPTION
ADO	AUTOMATIC DOOR OPENER
ADP	APARTMENT DISTRIBUTION PANEL
AF	AMPERE FRAME
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AT	AMPERE TRIP
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
BC	BARE COPPER
C	COUNTER HEIGHT
CATV	CABLE TELEVISION
CB, C/B	CIRCUIT BREAKER
CLG	CEILING
DB	DIRECT BURIAL
EC	ELECTRICAL CONTRACTOR
EG	EQUIPMENT GROUND
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FSS	FUSED SAFETY SWITCH
FSCP	FLAME SAFEGUARD CONTROL PANEL
GC	GENERAL CONTRACTOR
GTB	GROUND TERMINAL BOX
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
LTCP	LOCAL TEMPERATURE CONTROL PANEL
MC	MECHANICAL CONTRACTOR
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
NFSS	NON-FUSED SAFETY SWITCH
PC	PLUMBING CONTRACTOR
POD	POWER OPERATED DAMPER
PTRV	POWER TYPE ROOF VENTILATION
RI	ROUGH - IN
SD	SMOKE DETECTOR
SS	SAFETY SWITCH
TRXR	TRANSFORMER
UC	UNDER CABINET MOUNTING
W	WIRE
WP	WEATHERPROOF

ELECTRICAL GENERAL NOTES:

- ALL DIMENSIONS ARE APPROXIMATE. EC SHALL VERIFY W/ARCHITECTURAL DRAWINGS AND GC.
- EC SHALL PROVIDE TEMPORARY LIGHTING AND POWER WIRING AS REQUIRED FOR CONSTRUCTION.
- EC SHALL PROVIDE ALL NECESSARY FEES AND PERMITS INCLUDING CERTIFICATE OF ELECTRICAL INSPECTION.
- EC SHALL COORDINATE WIRING AND FIXTURE LOCATIONS WITH ALL TRADES.
- ALL WIRING SHALL BE CONCEALED IN FINISHED AREAS.
- ALL WIRING SHALL BE COPPER #12 THWN/THHN MINIMUM UNLESS OTHERWISE NOTED. ALL 120 VOLT CIRCUITS GREATER THAN 100'-0" SHALL BE #10 CU MINIMUM. ALL 120 VOLT CIRCUITS GREATER THAN 200'-0" SHALL BE #8 CU MINIMUM. ALL 120 VOLT CIRCUITS GREATER THAN 300'-0" SHALL BE #6 CU MINIMUM.
- ALL WORK SHALL BE PER THE LATEST EDITION OF THE NEC AND ALL LOCAL CODES.
- COORDINATE LOCATION AND HEIGHT OF ALL OUTLET BOXES WITH THE ARCHITECT.
- COORDINATE LIGHTING FIXTURE LOCATIONS & MOUNTING HEIGHTS WITH ARCHITECT.
- ALL INTERIOR EXPOSED WIRING SHALL BE IN EMT, W/COMPRESSION FITTINGS. MINIMUM CONDUIT SIZE SHALL BE 3/4". NO MC CABLE PERMITTED.
- ALL INTERIOR CONCEALED WIRING SHALL BE MC CABLE.
- ALL DEVICES SHALL BE SPECIFICATION GRADE AS MANUFACTURED BY HUBBEL OR APPROVED EQUAL.
- ALL PANELS, AND DISCONNECTS SHALL BE MANUFACTURED BY CUTLER HAMMER OR APPROVED EQUAL.
- ALL EMPTY RACEWAYS SHALL HAVE A PULL CORD. CORD SHALL BE RATED FOR 130LB TENSILE STRENGTH FOR RACEWAYS UP TO 2". 2" AND ABOVE SHALL BE RATED AT 200 LBS. TENSILE STRENGTH.
- EC SHALL COORDINATE AND VERIFY LOCATION AND COUNT OF ALL DUCT DETECTORS WITH MC.
- ALL TRANSFORMERS MUST BE DOE 2016 CERTIFIED
- ANY HEATING/COOLING MECHANICAL EQUIPMENT RATED AT 2000 CFM OR GREATER REQUIRES A DUCT DETECTOR WITHIN THE SUPPLY AND RETURN DUCT. SEE SYMBOL.
- CONCRETE PADS FOR ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR
- CUTTING, PATCHING AND SLEEVES FOR ELECTRICAL WORK, BY ELECTRICAL CONTRACTOR.

Fukui Architects Pc

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general notes

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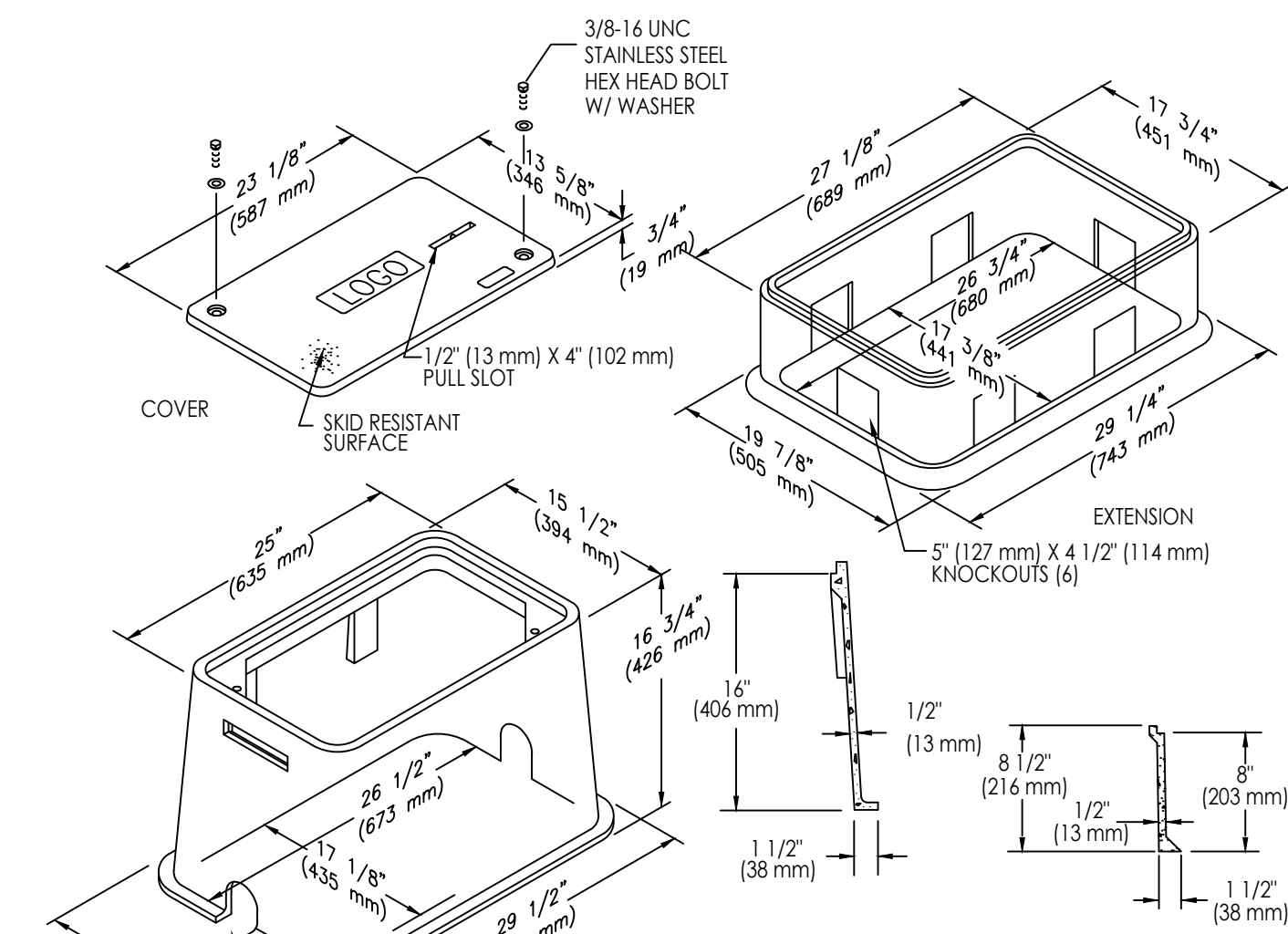
Electrical Coversheet

scale	As Noted
date	December 3rd, 2023
no.	204
of.	233

Sheet No.

E000

Project #2040



COVER
3/8-16 LINC STAINLESS STEEL HEX HEAD BOLT W/ WASHER
1/2" (13 mm) X 4" (102 mm) PULL SLOT
SKID RESISTANT SURFACE

EXTENSION
5" (127 mm) X 4 1/2" (114 mm) KNOCKOUTS (6)

BOX
4" (102 mm) X 4" (102 mm) MOUSEHOLES (2) PX132488

- OPTIONS:
1. Specific cover logo
 2. Green or other colors
 3. See Options & Hardware pages.

DESCRIPTION	PART NO.	WEIGHT
W/ No Base	PX1324BA16	68# (30.8 kg)
W/ No Base, (2) Mouseholes	PX1324BB16	67# (30.4 kg)

DESCRIPTION	PART NO.	WEIGHT
W/ 2 Bolts	PX1324CA00	18# (8.2 kg)
W/ No Bolts	PX1324WA00	18# (8.2 kg)

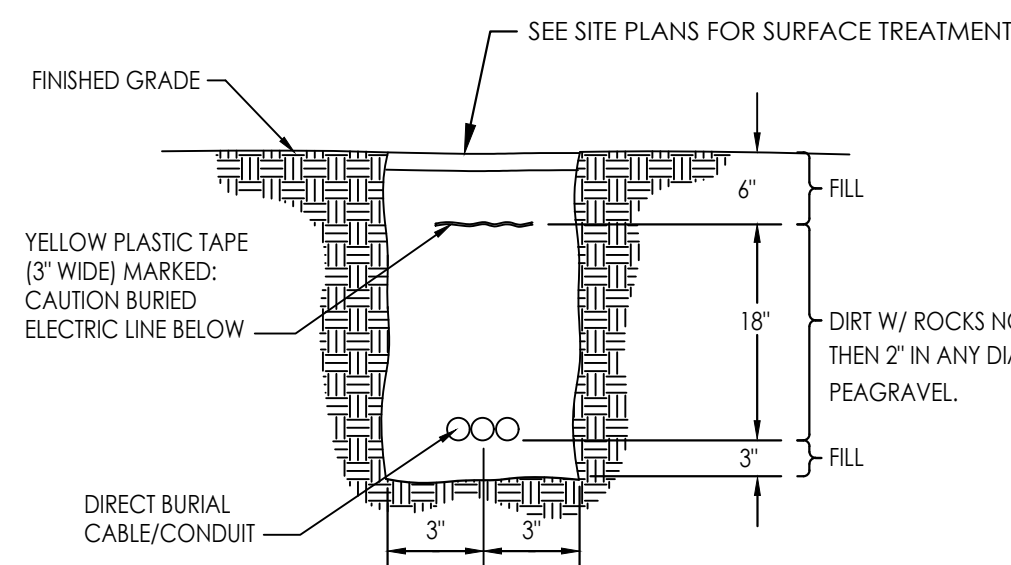
DESCRIPTION	PART NO.	WEIGHT
W/ No Base	PX1324EA08	17# (7.7 kg)

Dimensions in parenthesis are metric equivalent.

- NOTES:
1. PROVIDE QUARTZITE PX STYLE 13"X24" SERVICE BOX WITH LOGO 24 - "GROUND".
 2. BOX SIZES CAN BE REDUCED BY CONTRACTOR.
 3. COORDINATE BOX LOCATION AND SIZES WITH ARCHITECT & SITE ENGINEER PRIOR TO INSTALLATION.
 4. COORDINATE AVAILABLE COLORS WITH ARCHITECT.

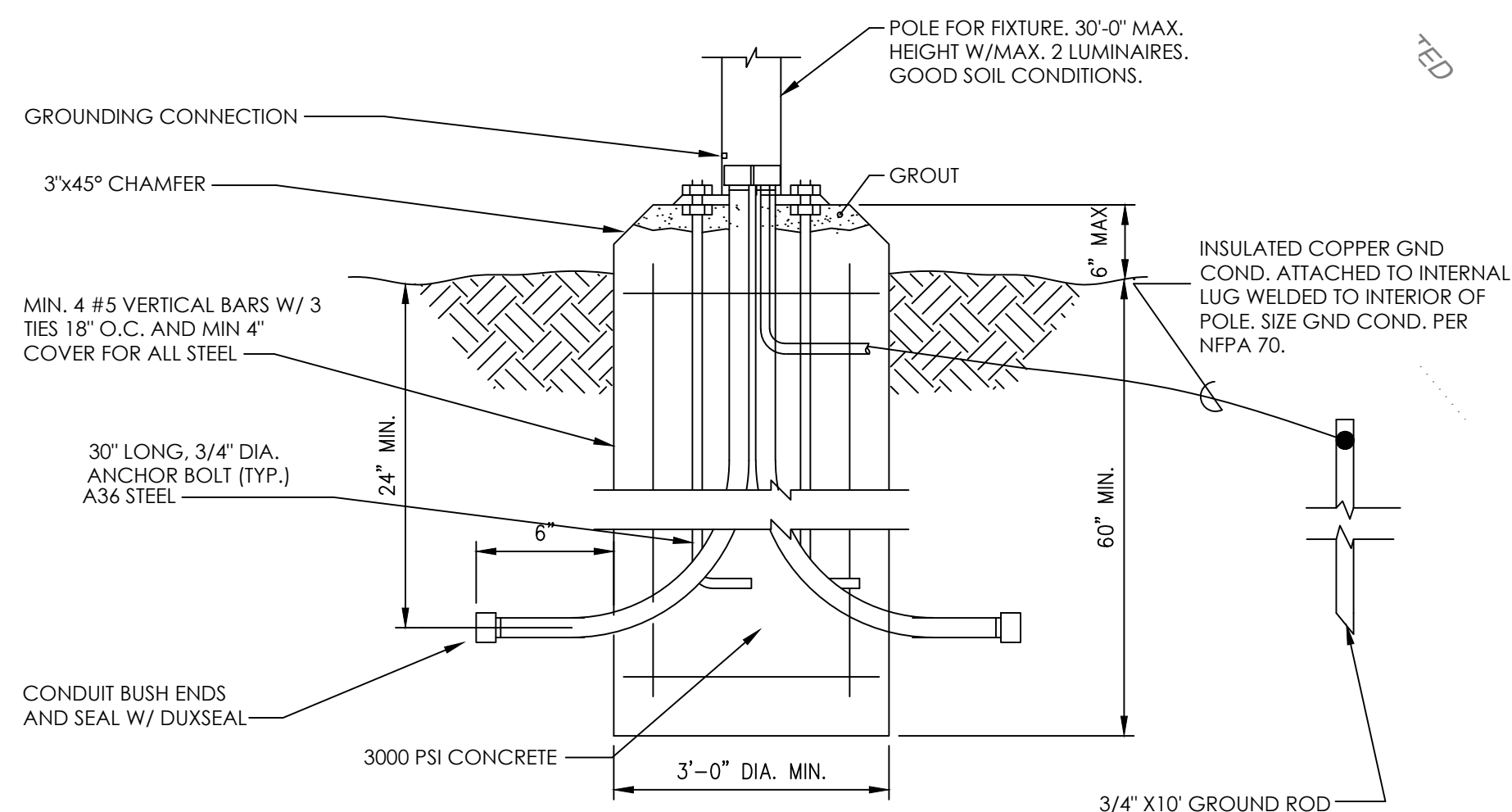
2 DIRECT BURIAL SERVICE BOX

NTS



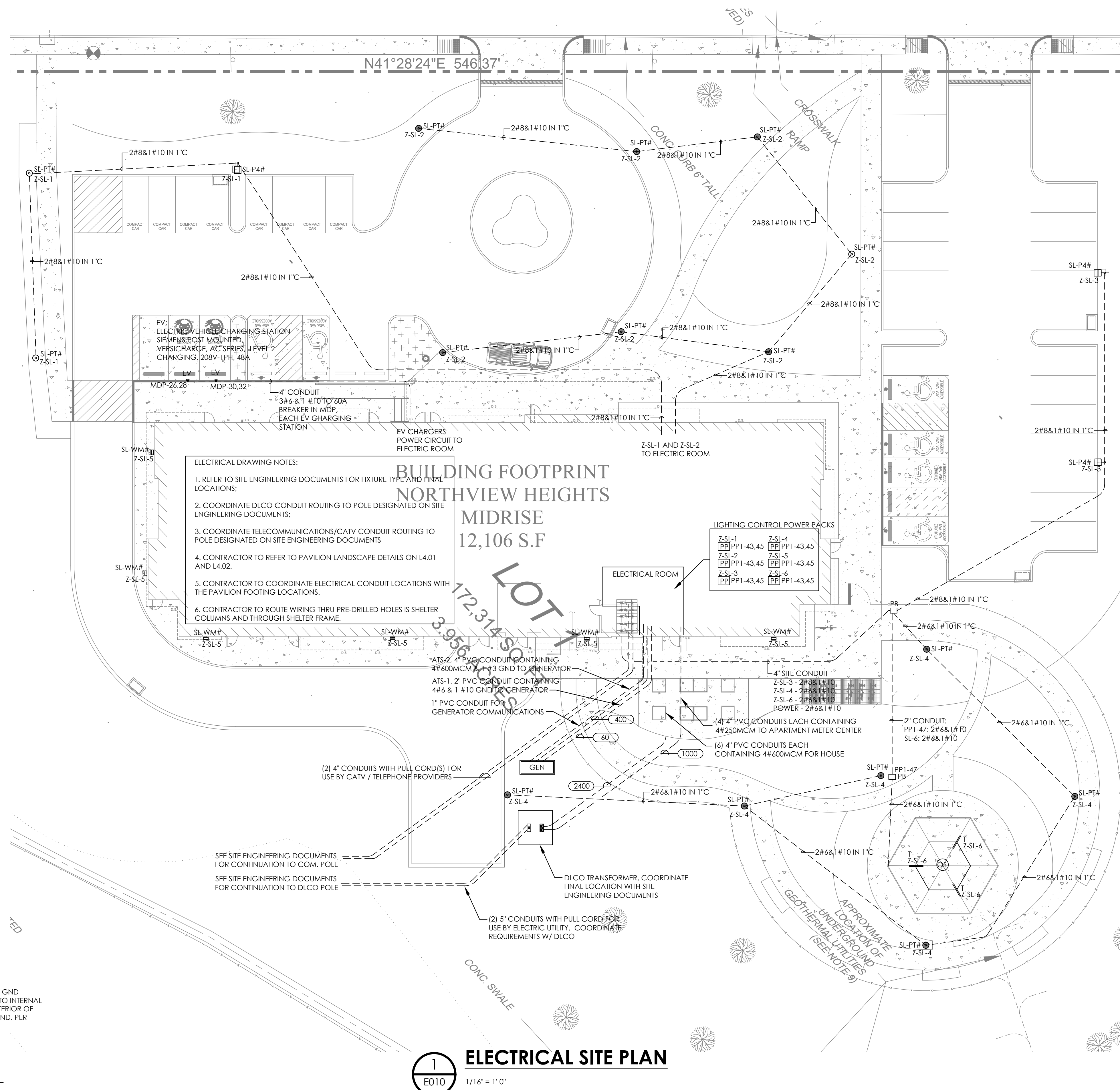
3 DIRECT BURIAL CONDUIT INSTALLATION

NTS



4 POLE BASE DETAIL

NTS



1 ELECTRICAL SITE PLAN

1/16" = 1' 0"

ELECTRICAL DRAWING NOTES:

1. REFER TO SITE ENGINEERING DOCUMENTS FOR FIXTURE TYPE AND FINAL LOCATIONS.
2. COORDINATE DLCO CONDUIT ROUTING TO POLE DESIGNATED ON SITE ENGINEERING DOCUMENTS.
3. COORDINATE TELECOMMUNICATIONS/CATV CONDUIT ROUTING TO POLE DESIGNATED ON SITE ENGINEERING DOCUMENTS.
4. CONTRACTOR TO REFER TO PAVILION LANDSCAPE DETAILS ON L4.01 AND L4.02.
5. CONTRACTOR TO COORDINATE ELECTRICAL CONDUIT LOCATIONS WITH THE PAVILION FOOTING LOCATIONS.
6. CONTRACTOR TO ROUTE WIRING THRU PRE-DRILLED HOLES IN SHELTER COLUMNS AND THROUGH SHELTER FRAME.

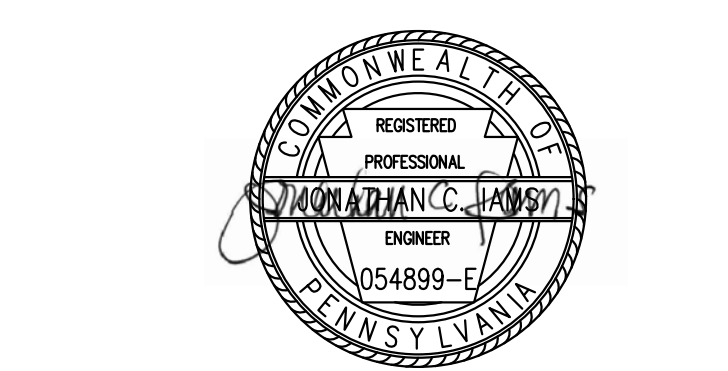
**BUILDING FOOTPRINT
NORTHVIEW HEIGHTS
MIDRISE
12,106 S.F.**

Fukui Architects Pc

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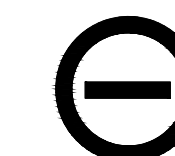
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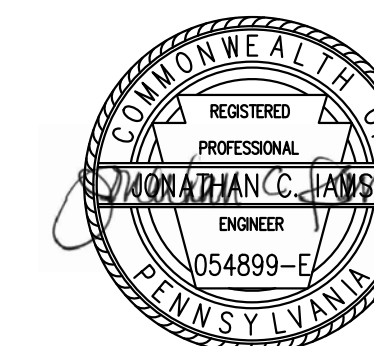
Electrical Site Plan

scale	As Noted	Sheet No.	E010
date	December 3rd, 2023		
no.	205	of.	233
Project #2040			



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Electrical Floor Plans

scale
As Noted

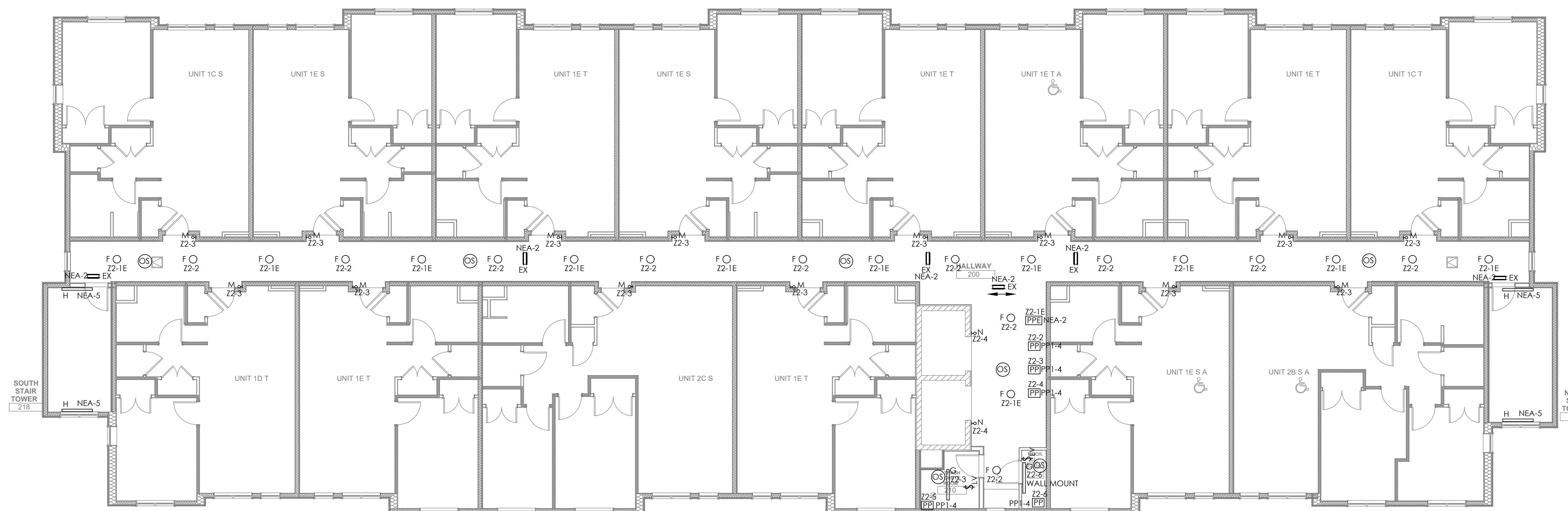
date
December 3rd, 2023

no. of.
207 **233**

Sheet No.

E102

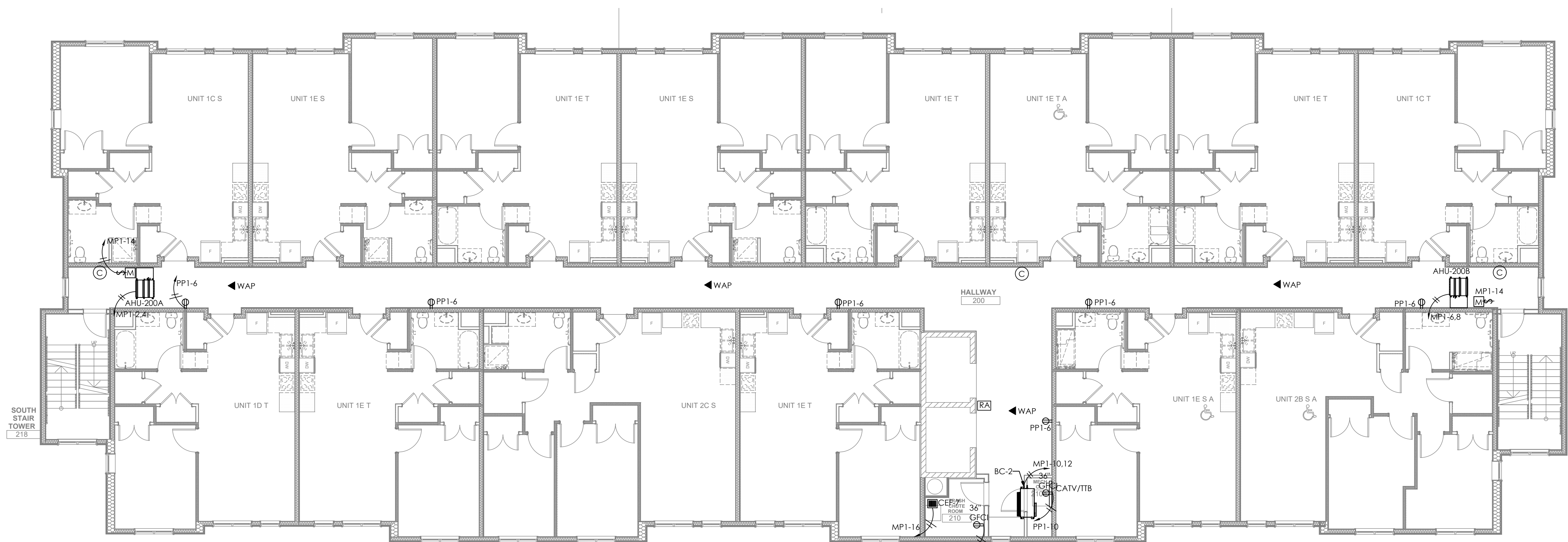
Project #2040



1
E102

ELECTRICAL LIGHTING - SECOND FLOOR PLAN

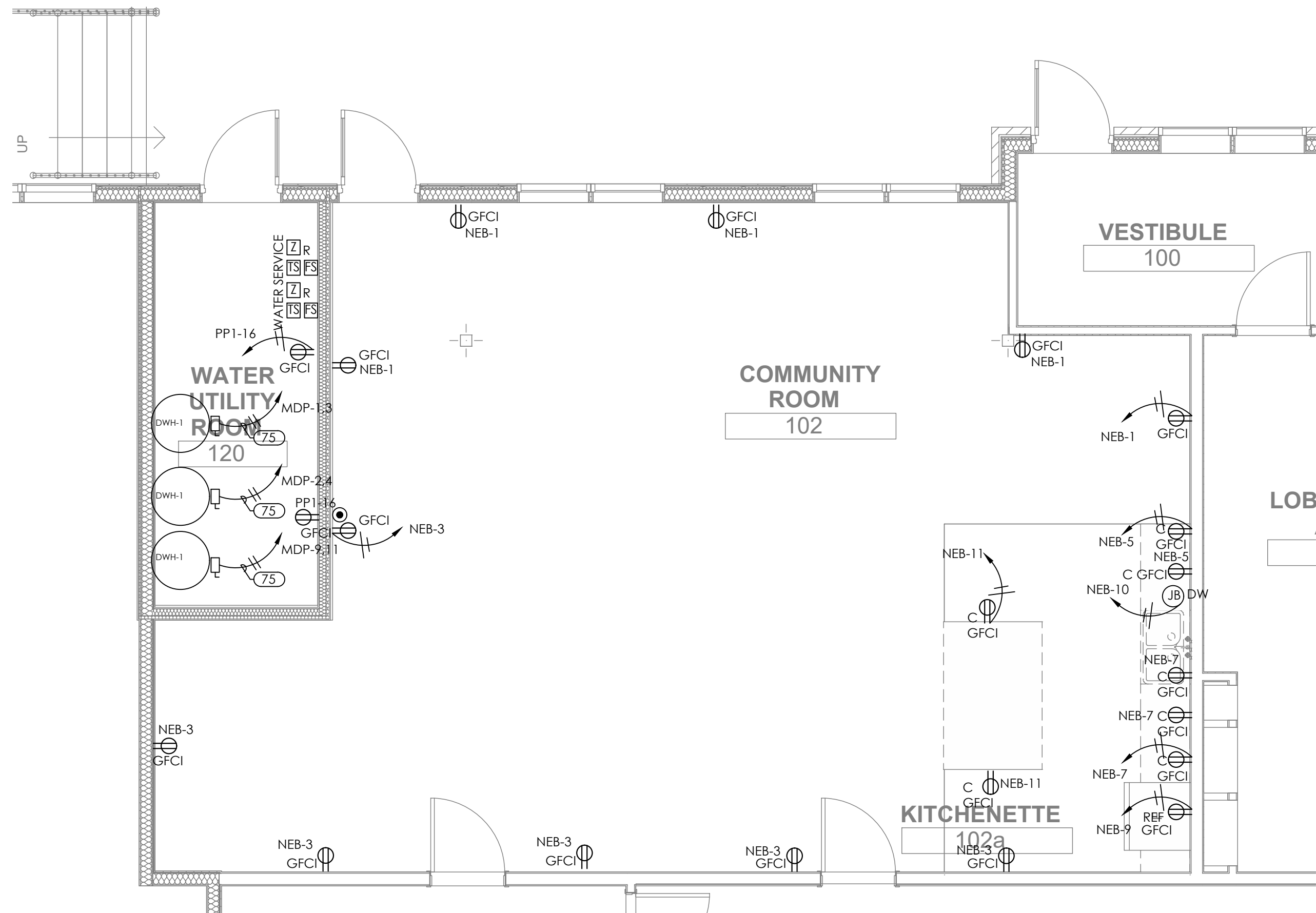
1/8" = 1' 0"



2
E102

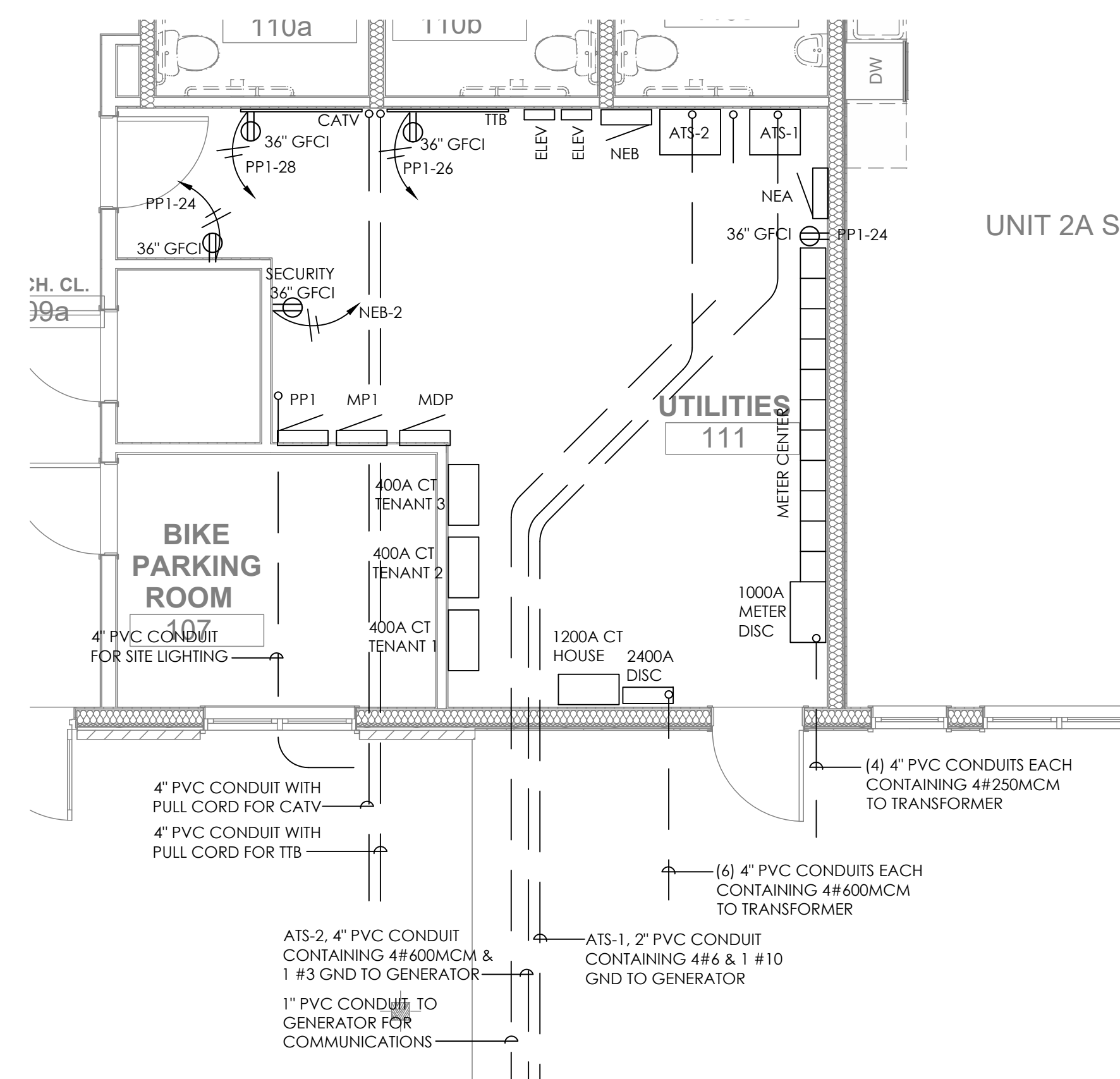
ELECTRICAL POWER - SECOND FLOOR PLAN

1/8" = 1' 0"



1
E200
1/4" = 1' 0"

ENLARGED COMMUNITY ROOM PLAN



2
E200
1/4" = 1' 0"

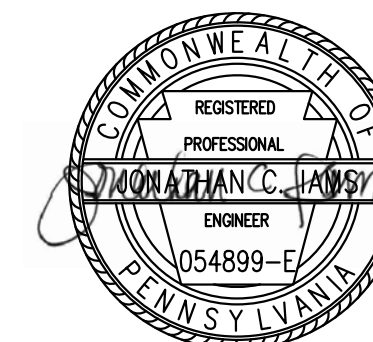
ENLARGED ELECTRICAL ROOM PLAN

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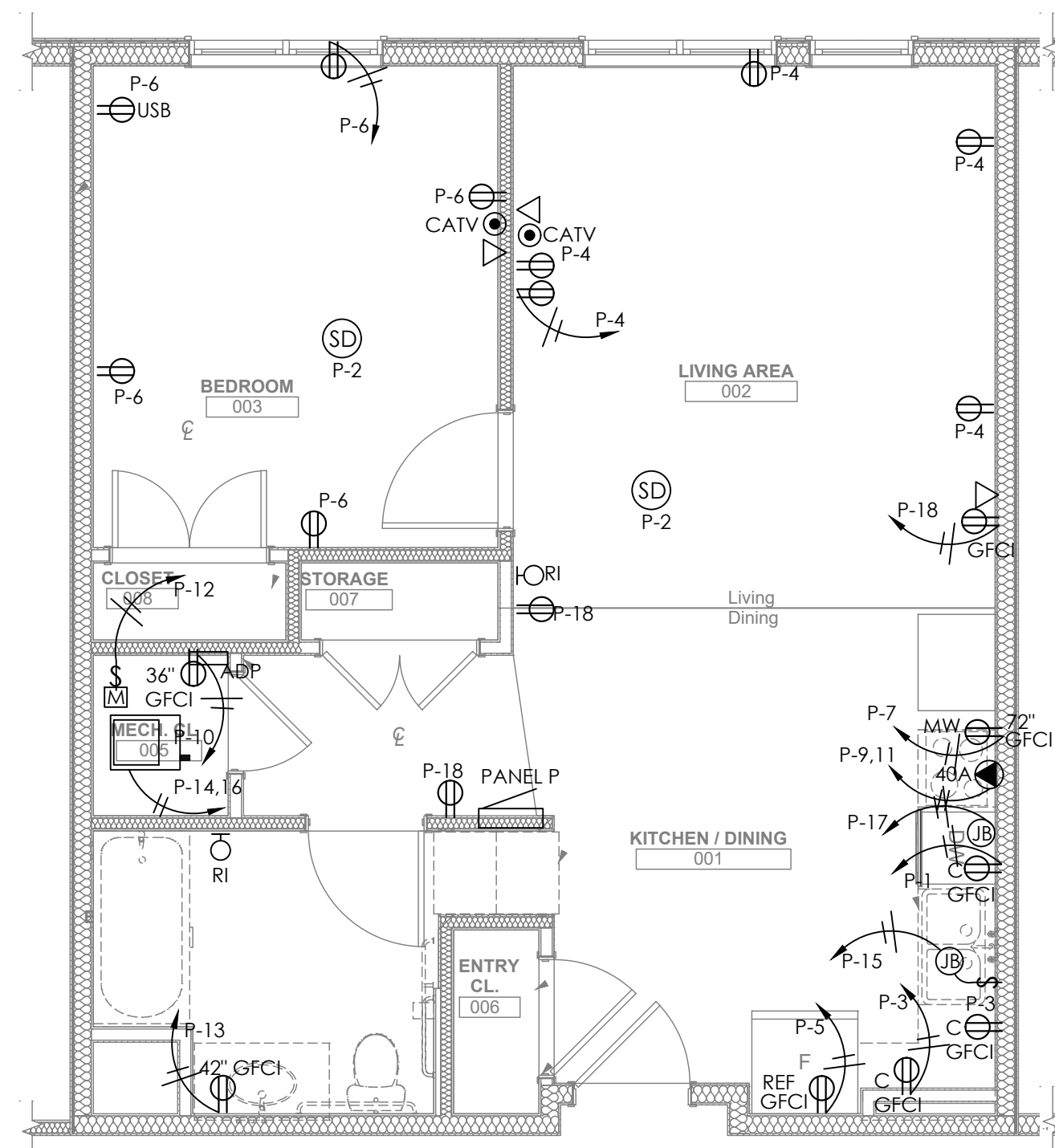
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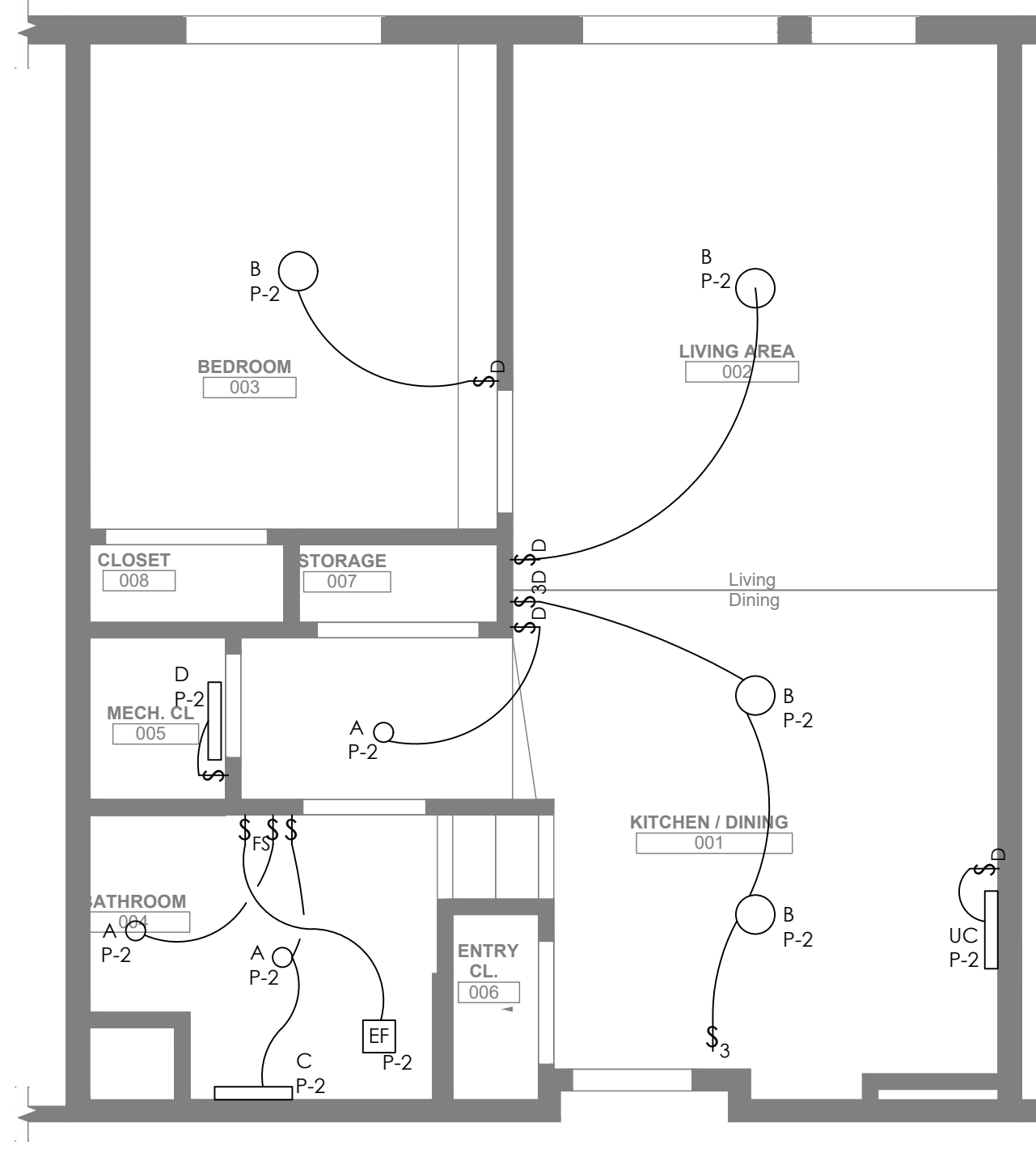
drawing title

Electrical Enlarged Floor Plans

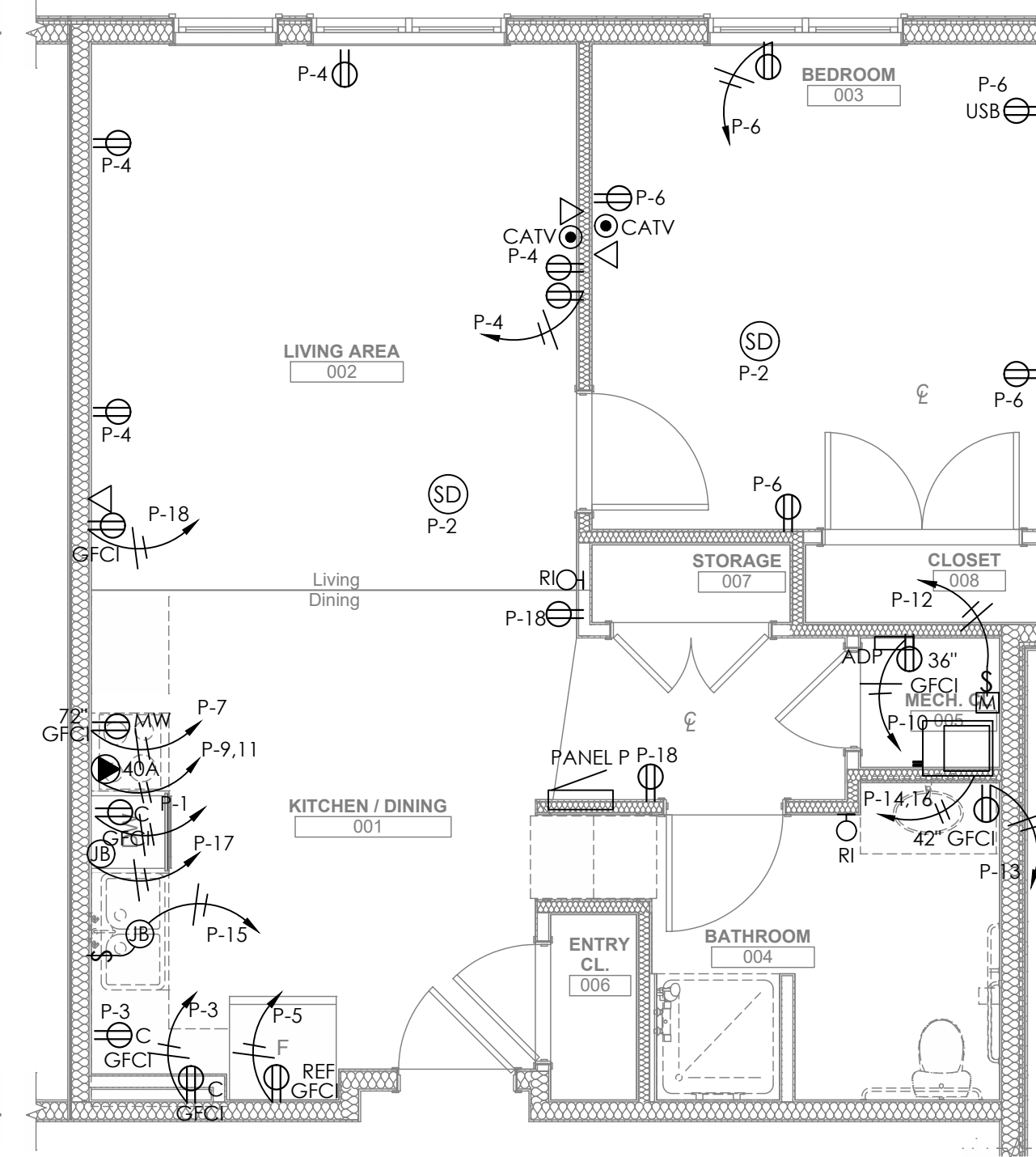
scale As Noted	Sheet No. E200 Project #2040
date December 3rd, 2023	
no. 210 of 233	



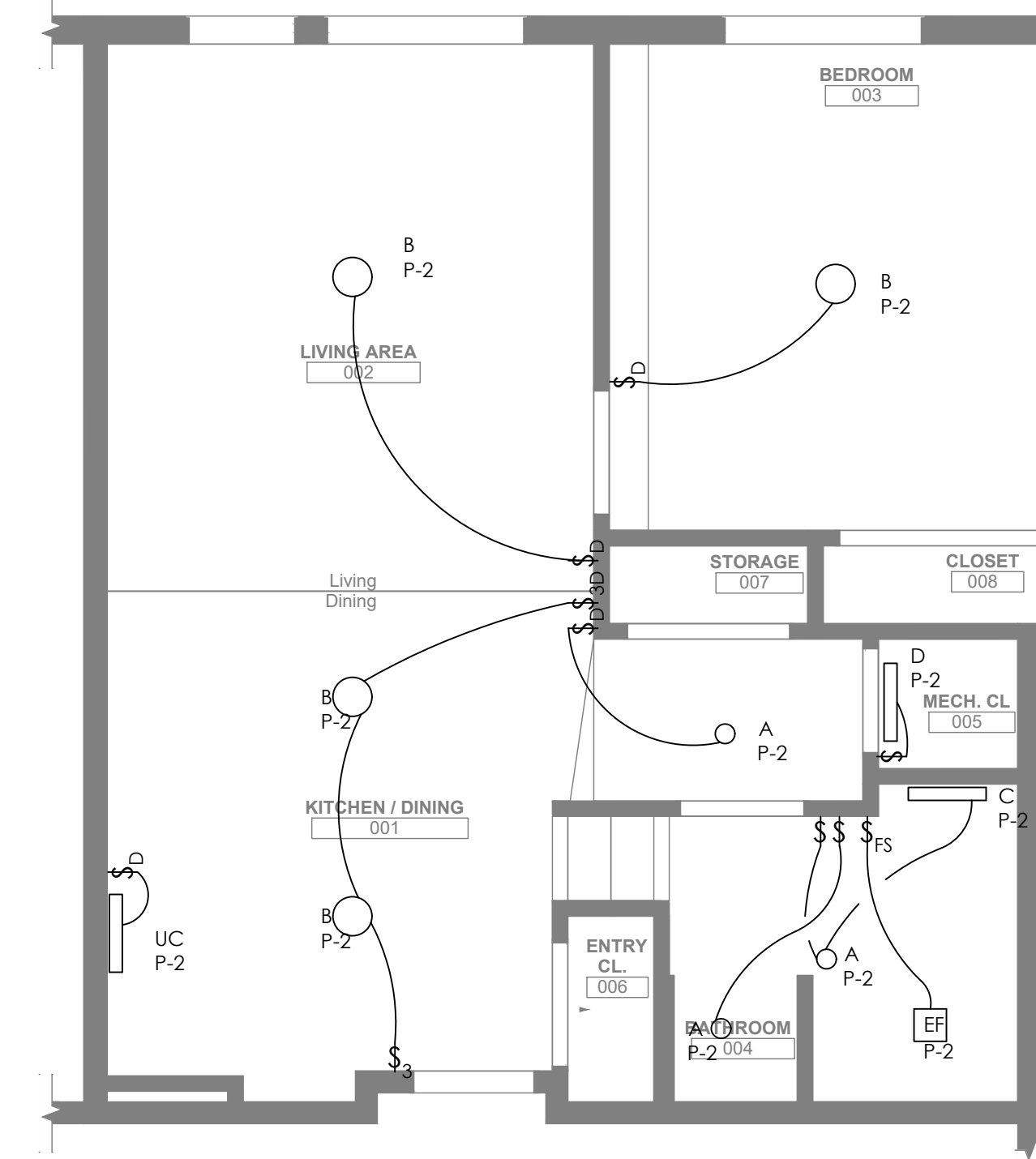
1 ENLARGED UNIT PLAN - TYPE 1A
 1/4" = 1' 0"



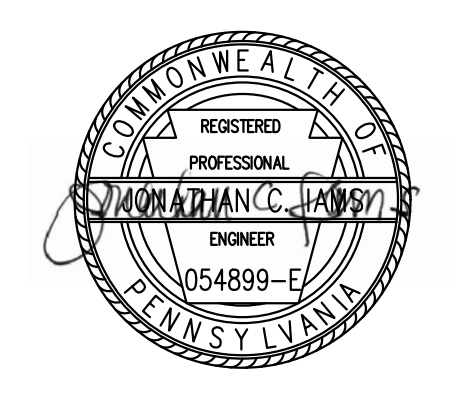
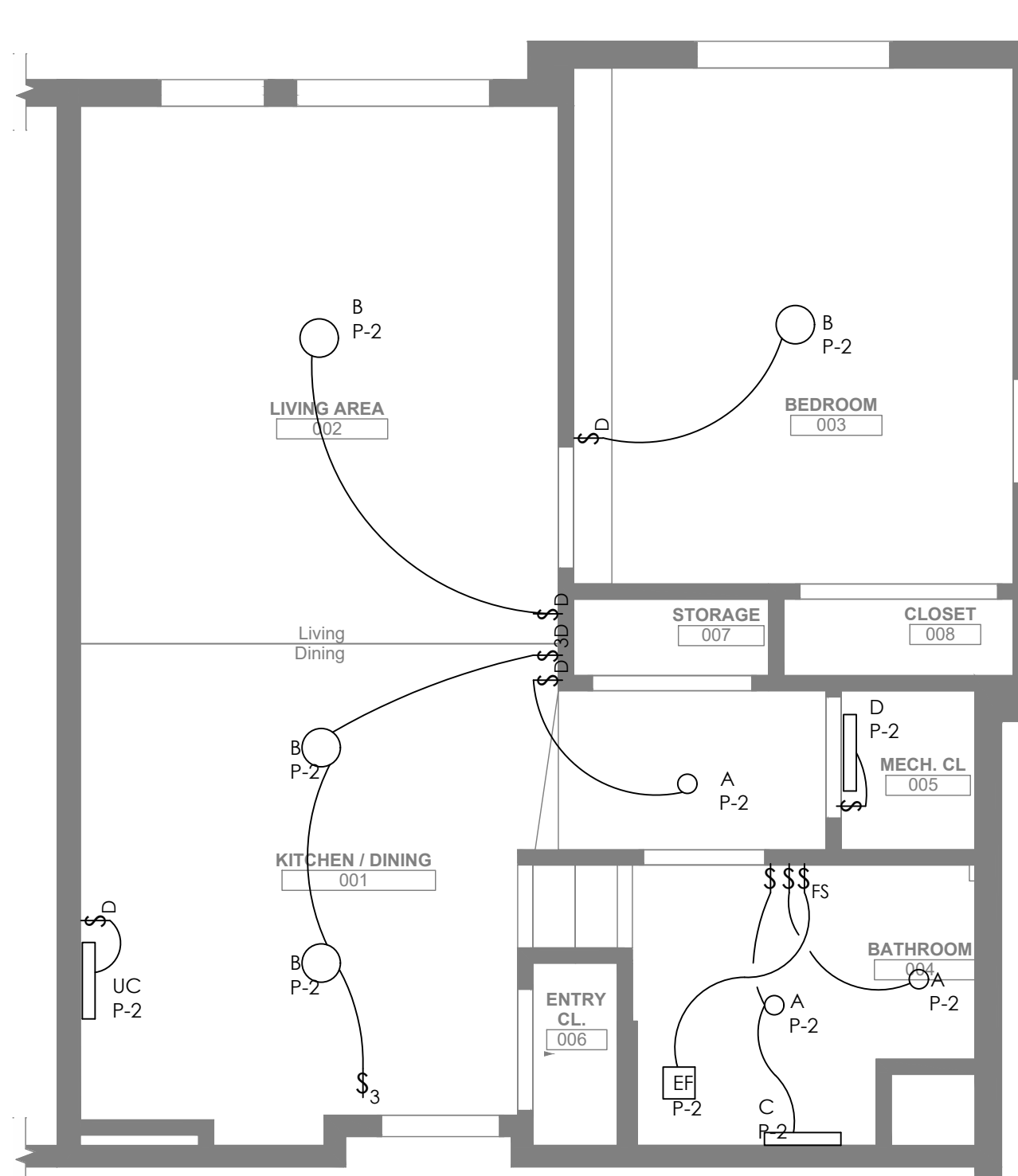
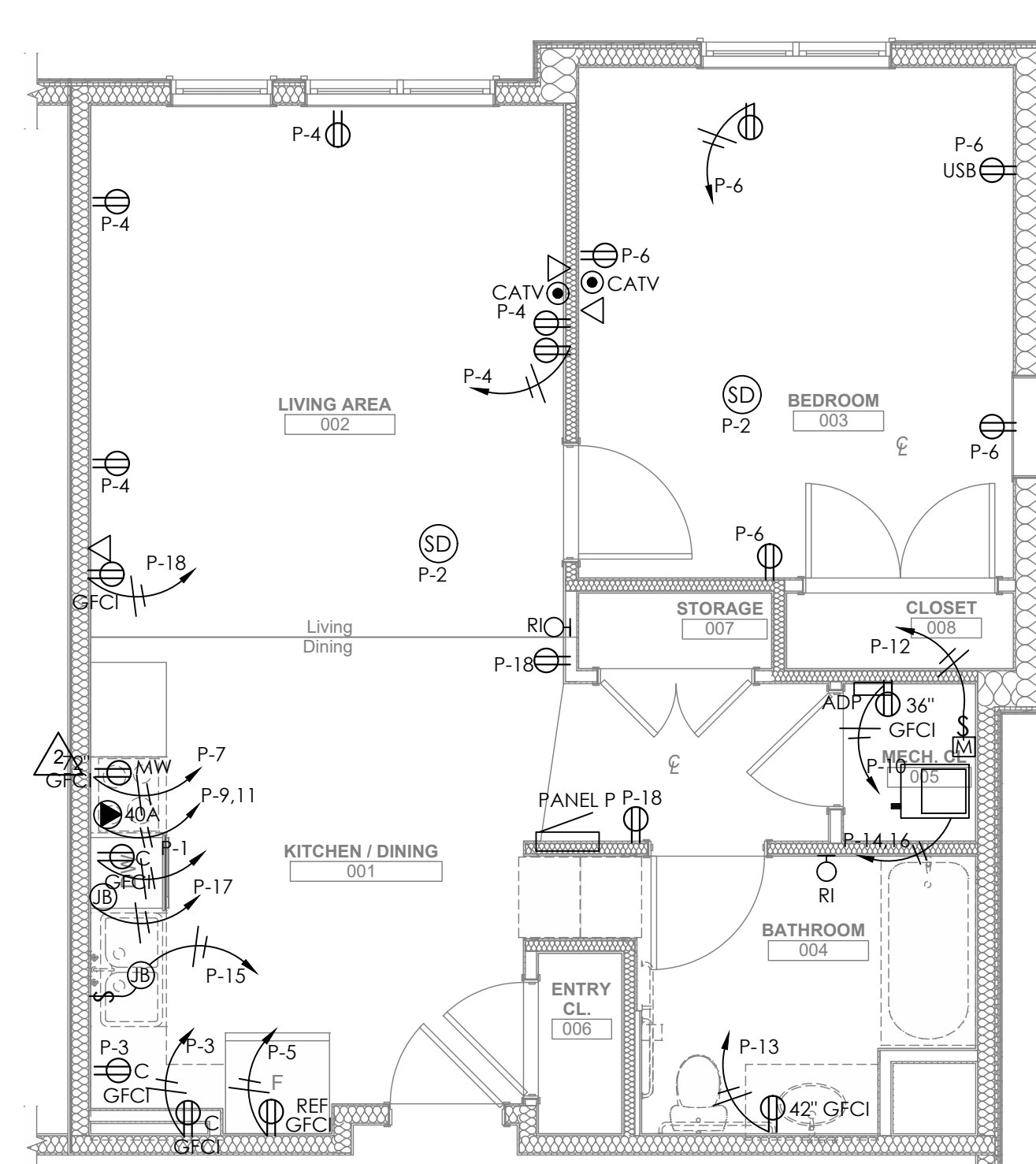
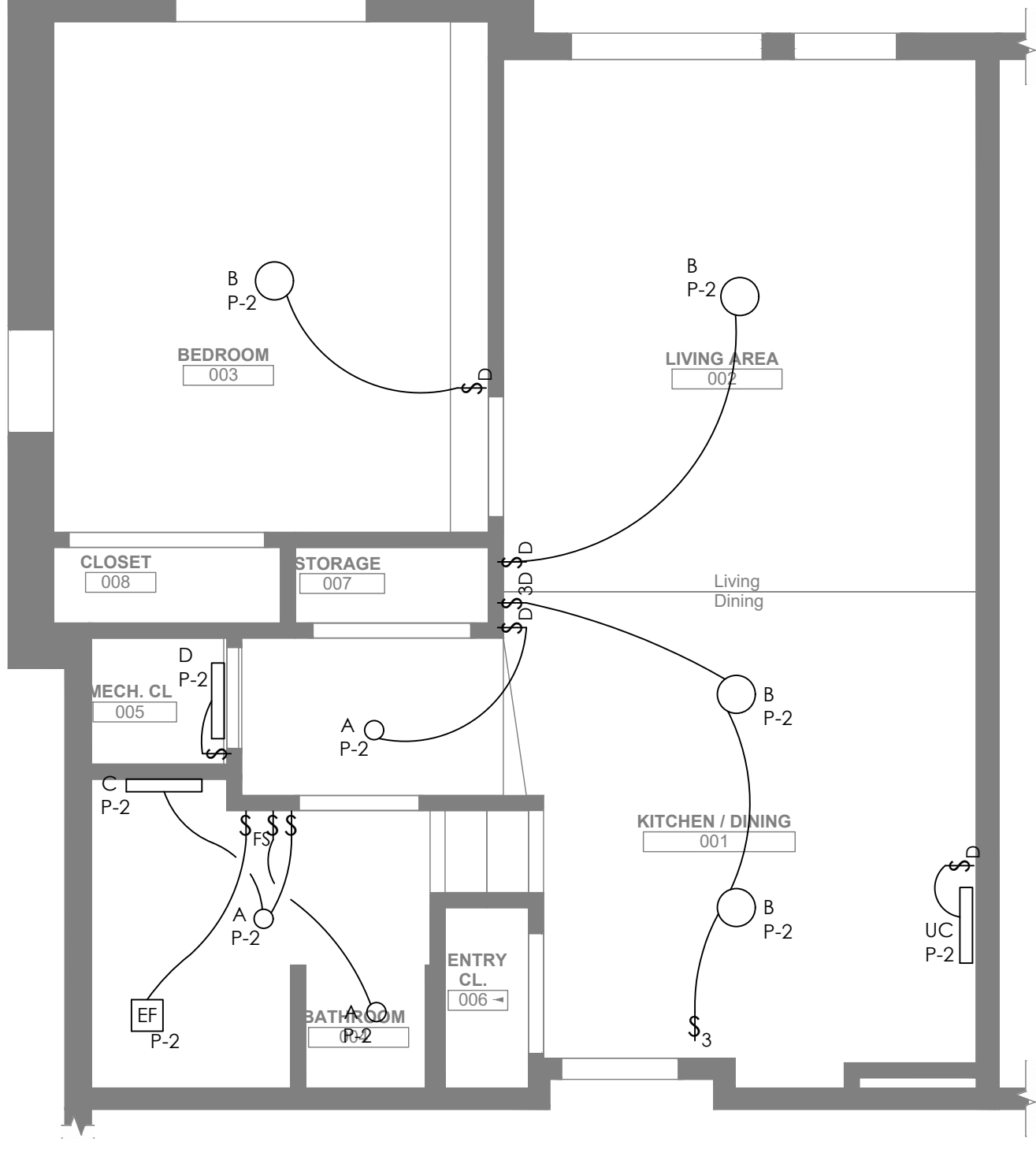
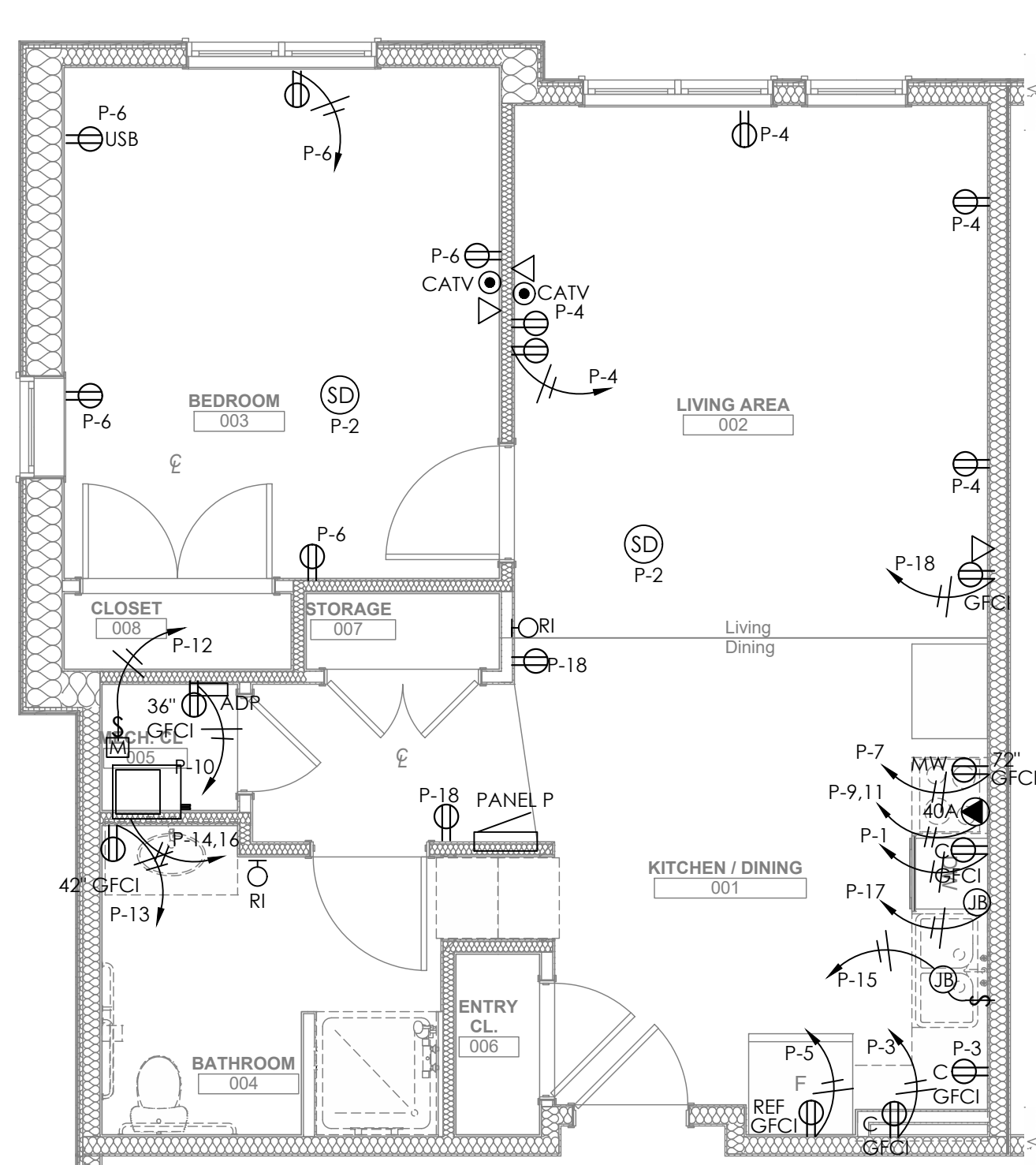
2 ENLARGED UNIT PLAN - TYPE 1B
 1/4" = 1' 0"



3 ENLARGED UNIT PLAN - TYPE 1CS
 1/4" = 1' 0"



4 ENLARGED UNIT PLAN - TYPE 1CT
 1/4" = 1' 0"



- general notes**
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revisions

project title

Owner:
 HACP
 200 Ross Street
 Pittsburgh, PA, 15219

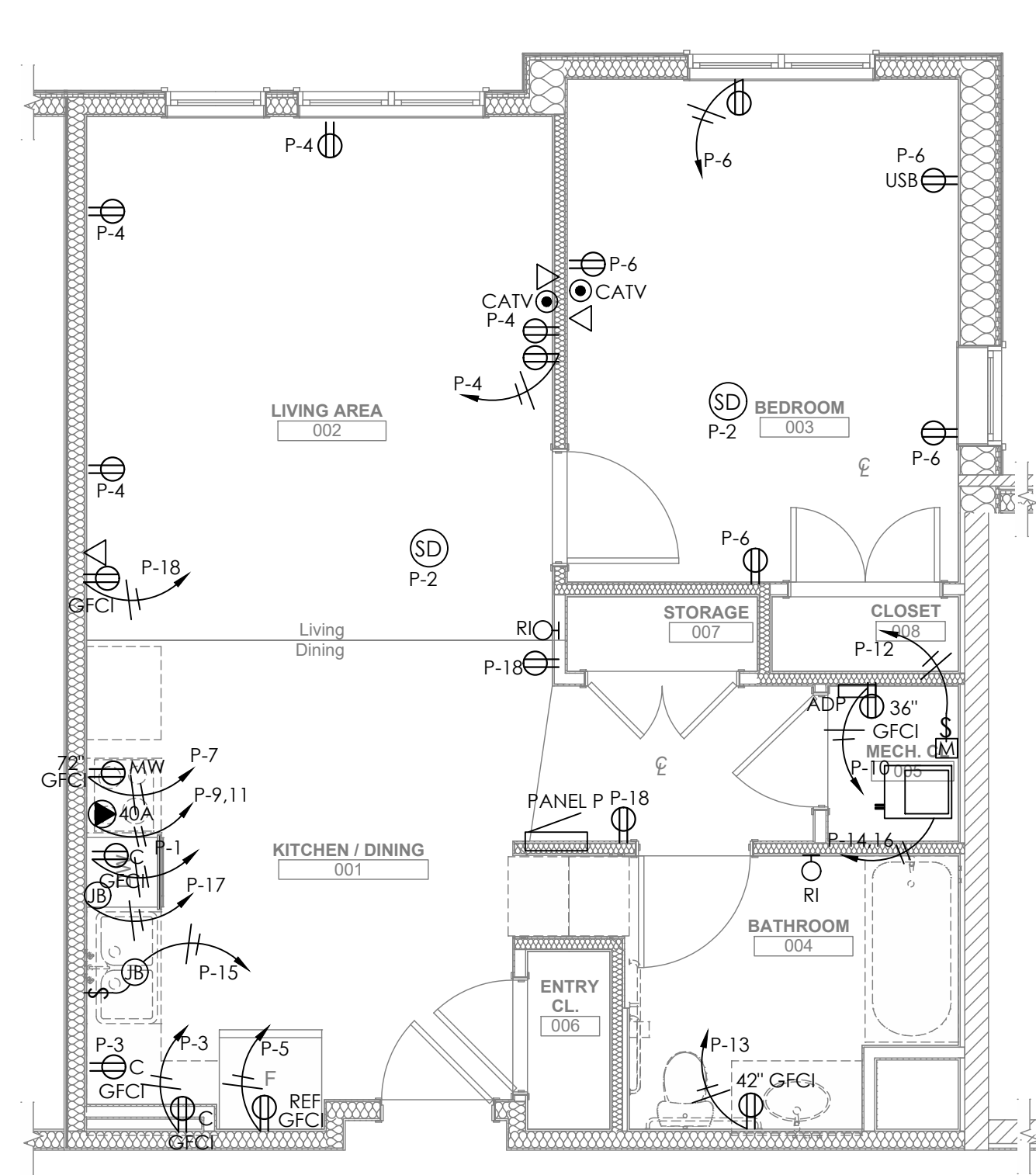
Client:
 Allies & Ross Management and
 Development Corporation (ARMDC)
 200 Ross Street
 Pittsburgh, PA 15219

Project Location:
 Northview Heights Midrise
 246 Penfort Street
 Pittsburgh, PA 15214

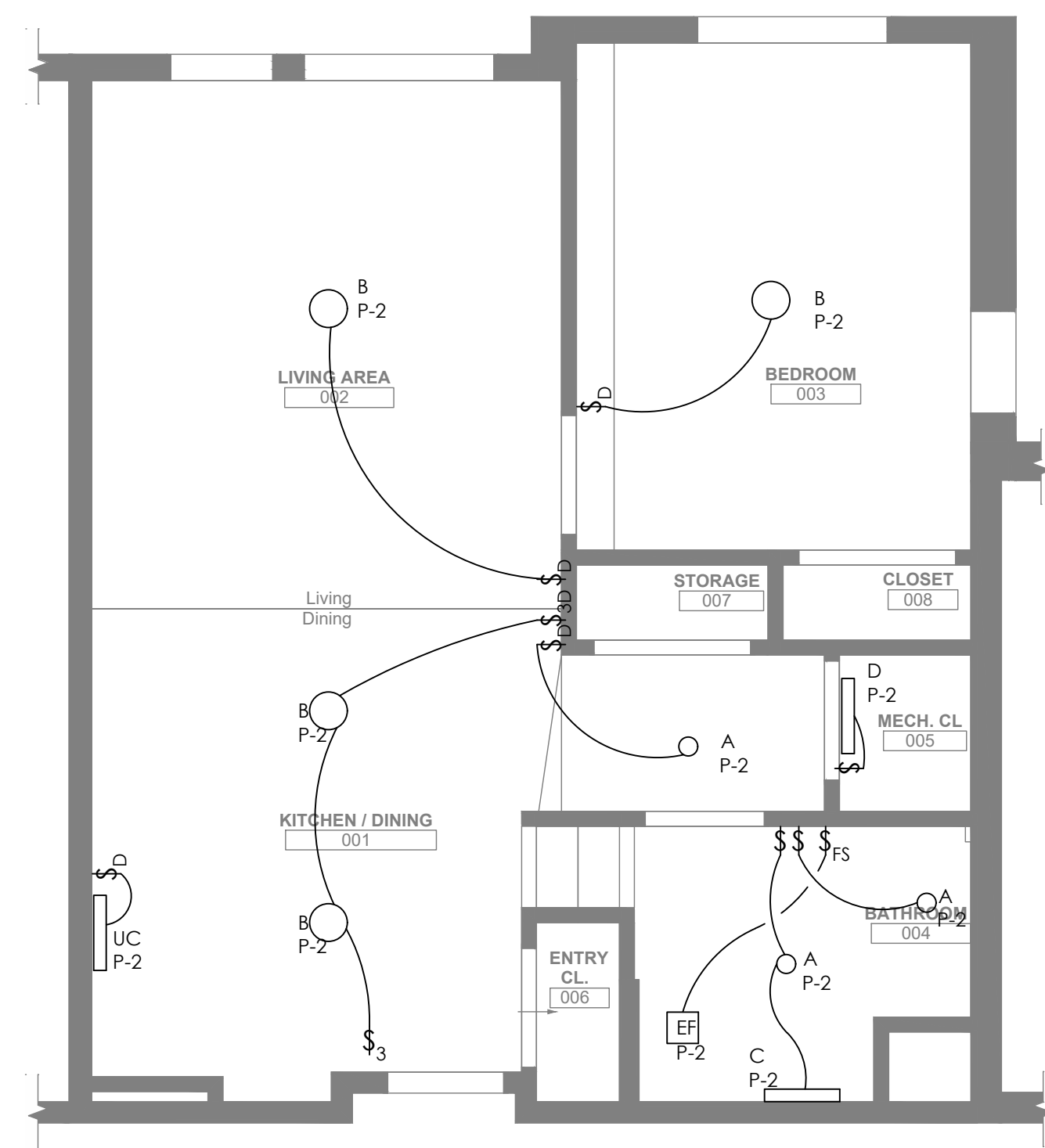
drawing title

Electrical
 Enlarged Unit Plans

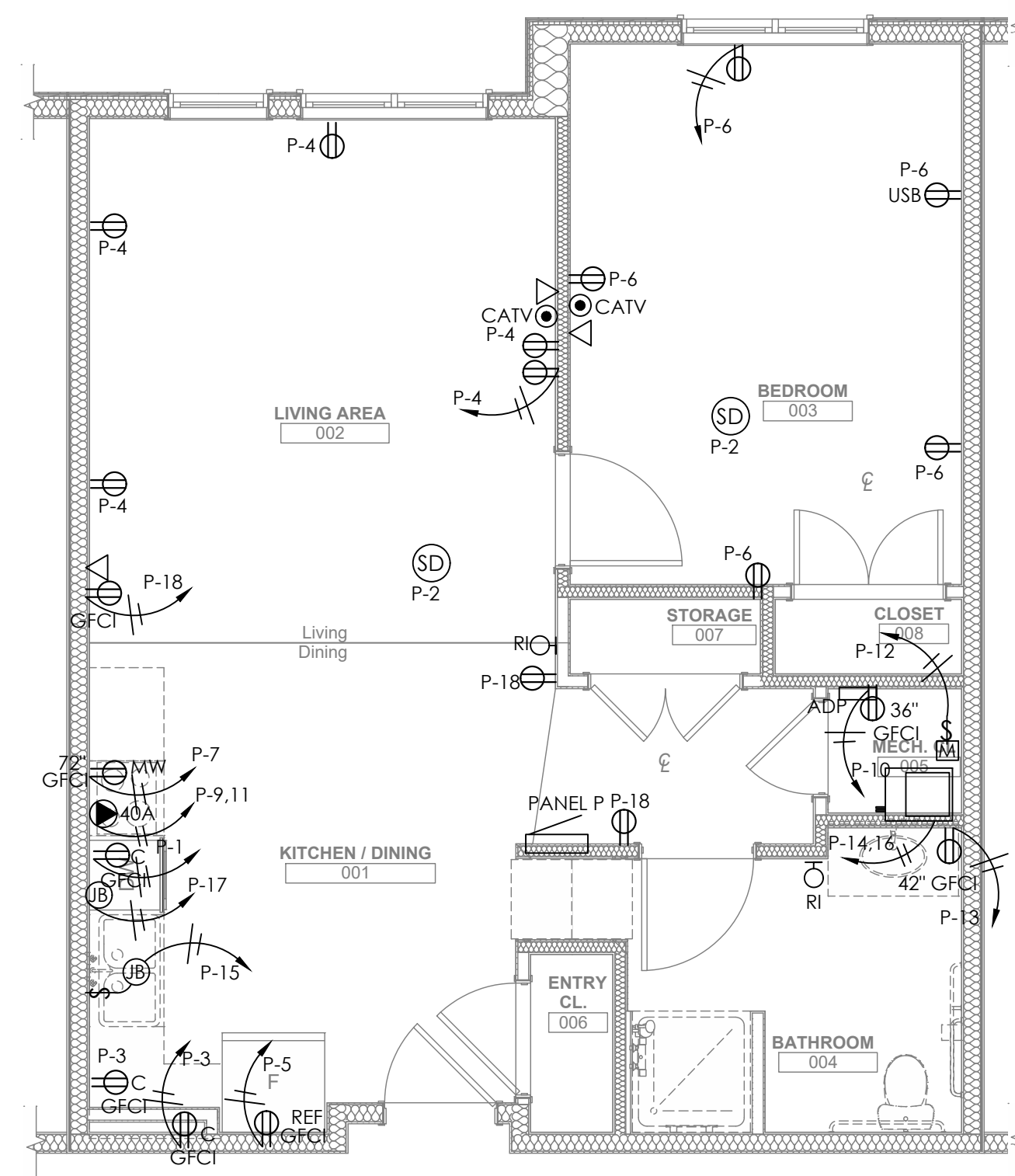
scale As Noted	Sheet No. E201 Project #2040
date December 3rd, 2023	
no. 211 of 233	



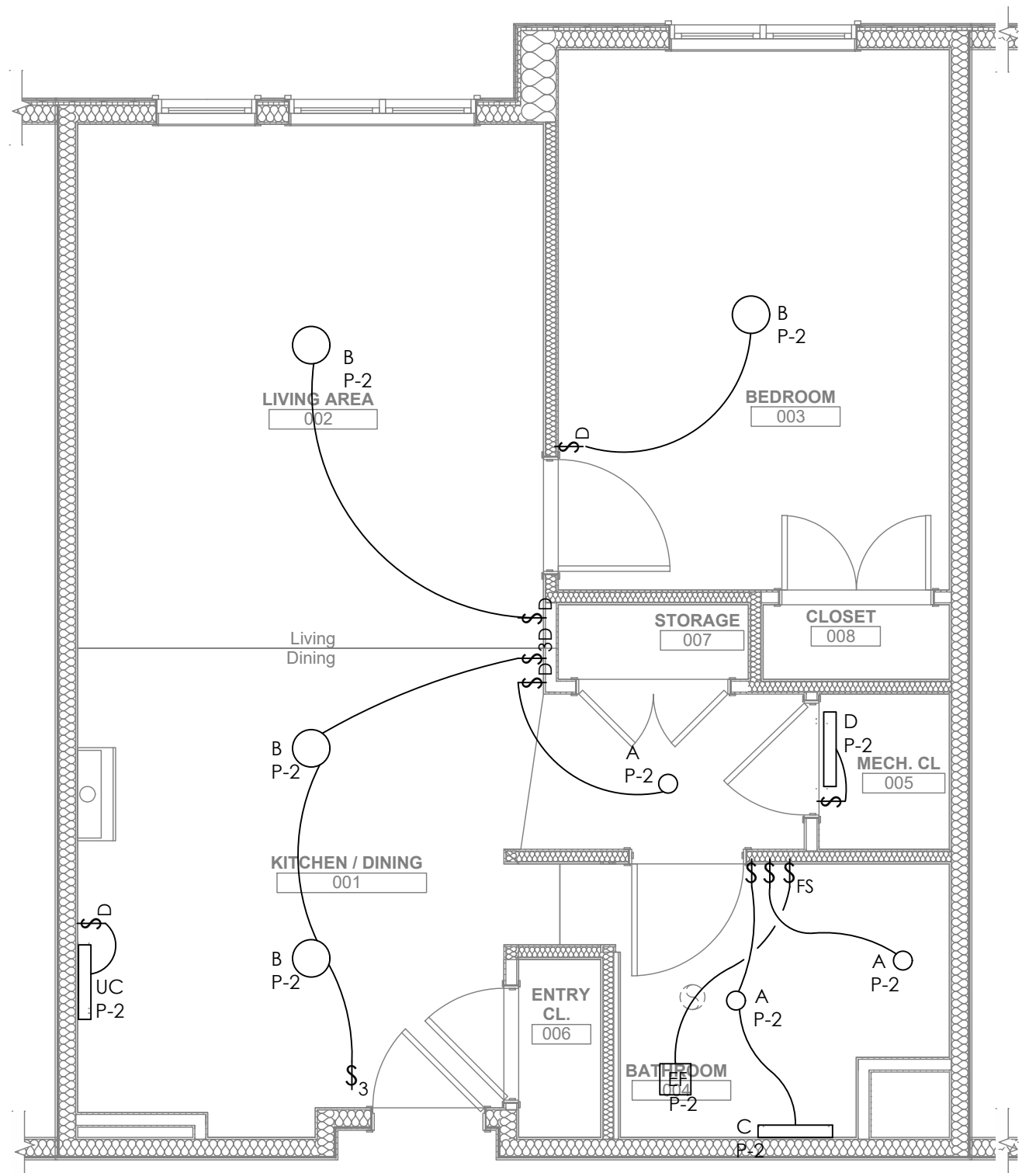
1 ENLARGED UNIT PLAN - TYPE 1D
 1/4" = 1' 0"



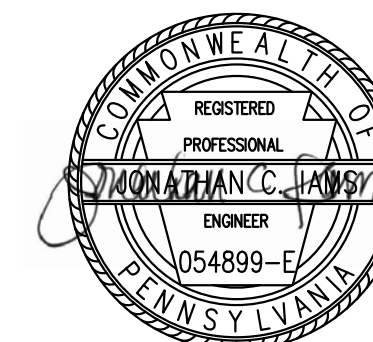
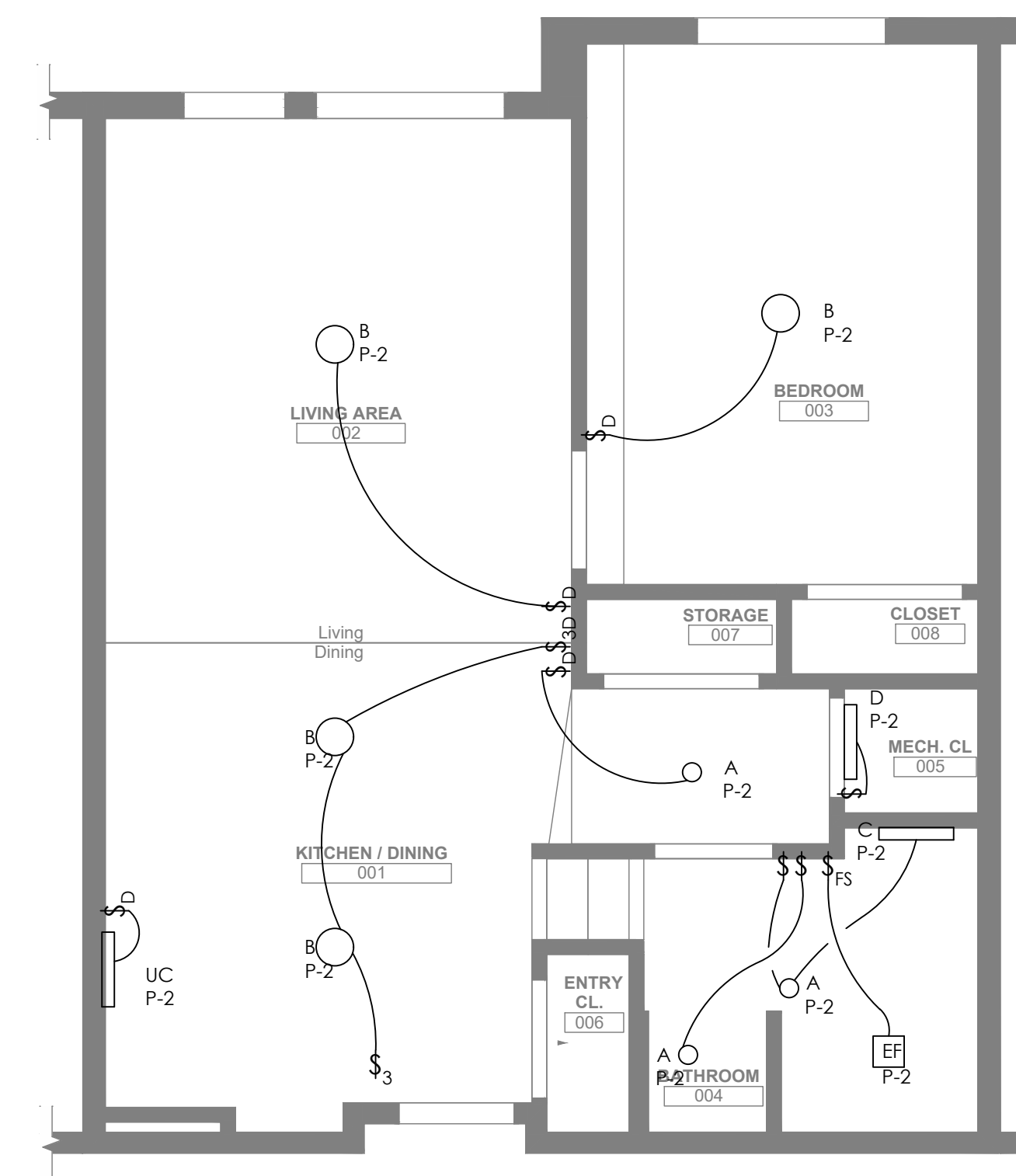
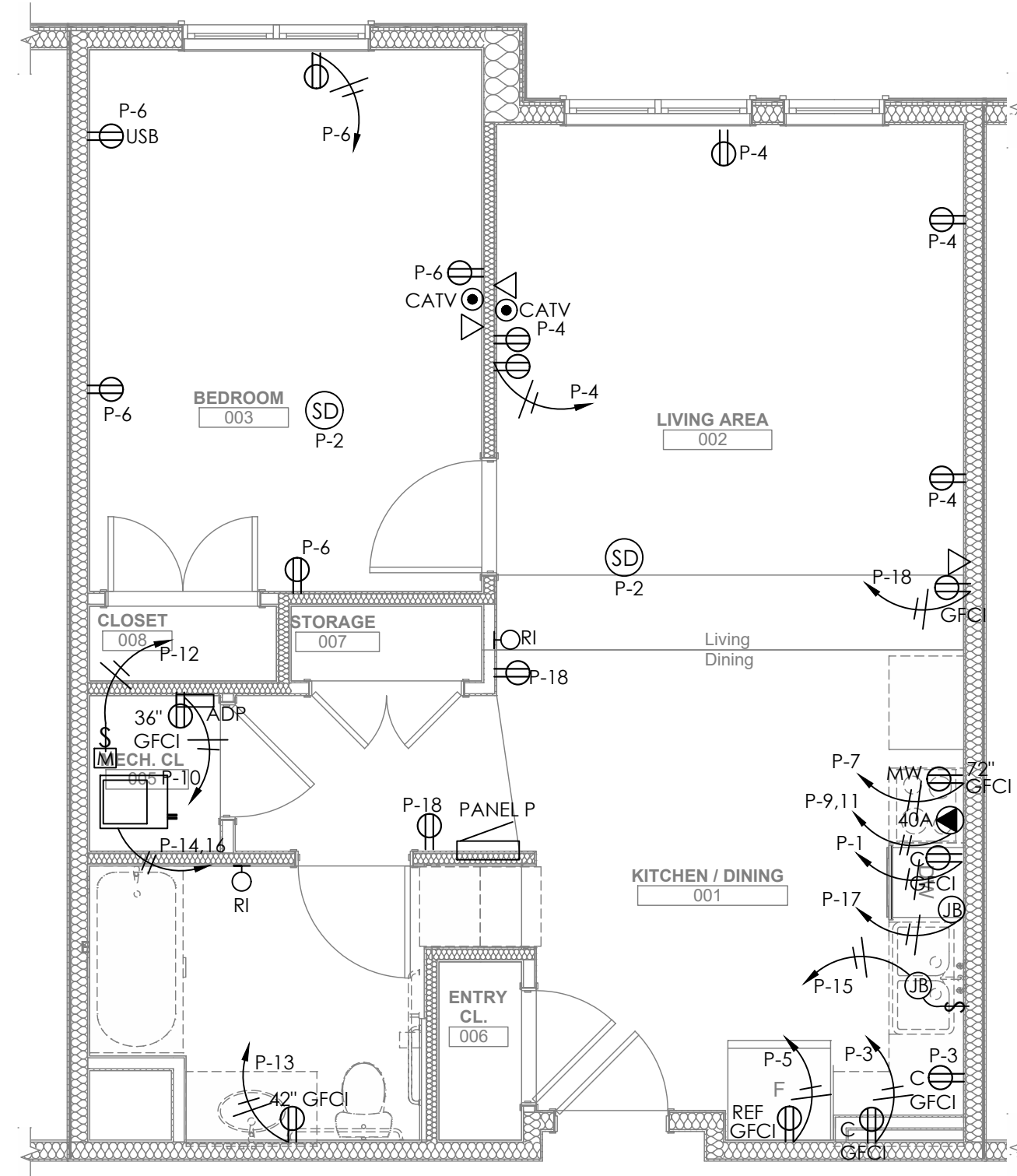
2 ENLARGED UNIT PLAN - TYPE 1ES
 1/4" = 1' 0"



3 ENLARGED UNIT PLAN - TYPE 1ESA
 1/4" = 1' 0"



4 ENLARGED UNIT PLAN - TYPE 1ET
 1/4" = 1' 0"



general notes

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revisions

project title

Owner:
 HACP
 200 Ross Street
 Pittsburgh, PA, 15219

Client:
 Allies & Ross Management and
 Development Corporation (ARMDC)
 200 Ross Street
 Pittsburgh, PA 15219

Project Location:
 Northview Heights Midrise
 246 Penfort Street
 Pittsburgh, PA 15214

drawing title

Electrical
 Enlarged Unit Plans

scale
 As Noted

date
 December 3rd, 2023

no. **212** of. **233**

Sheet No.

E202

Project #2040



general notes

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revisions

no.	description

project title

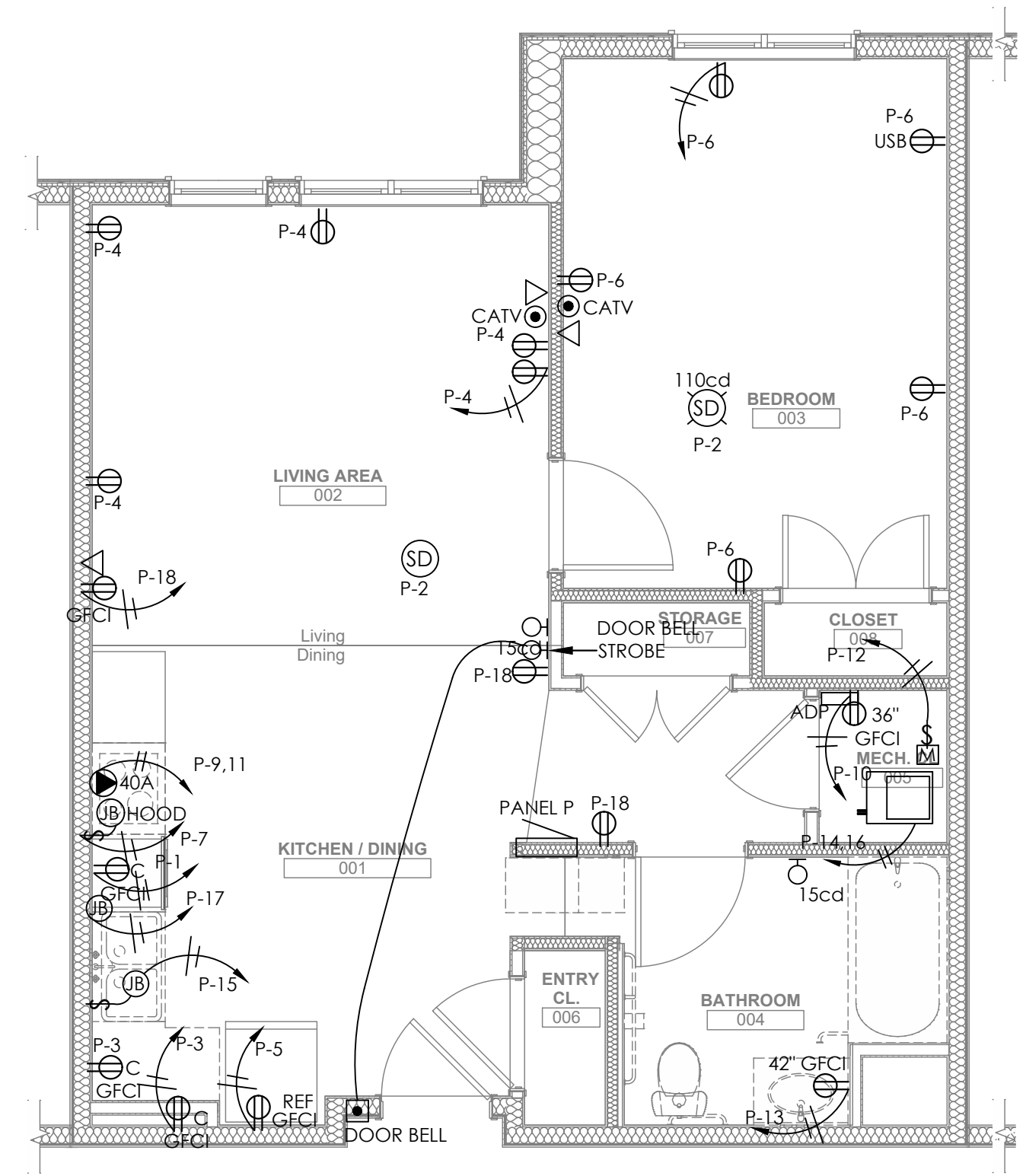
Owner:
HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

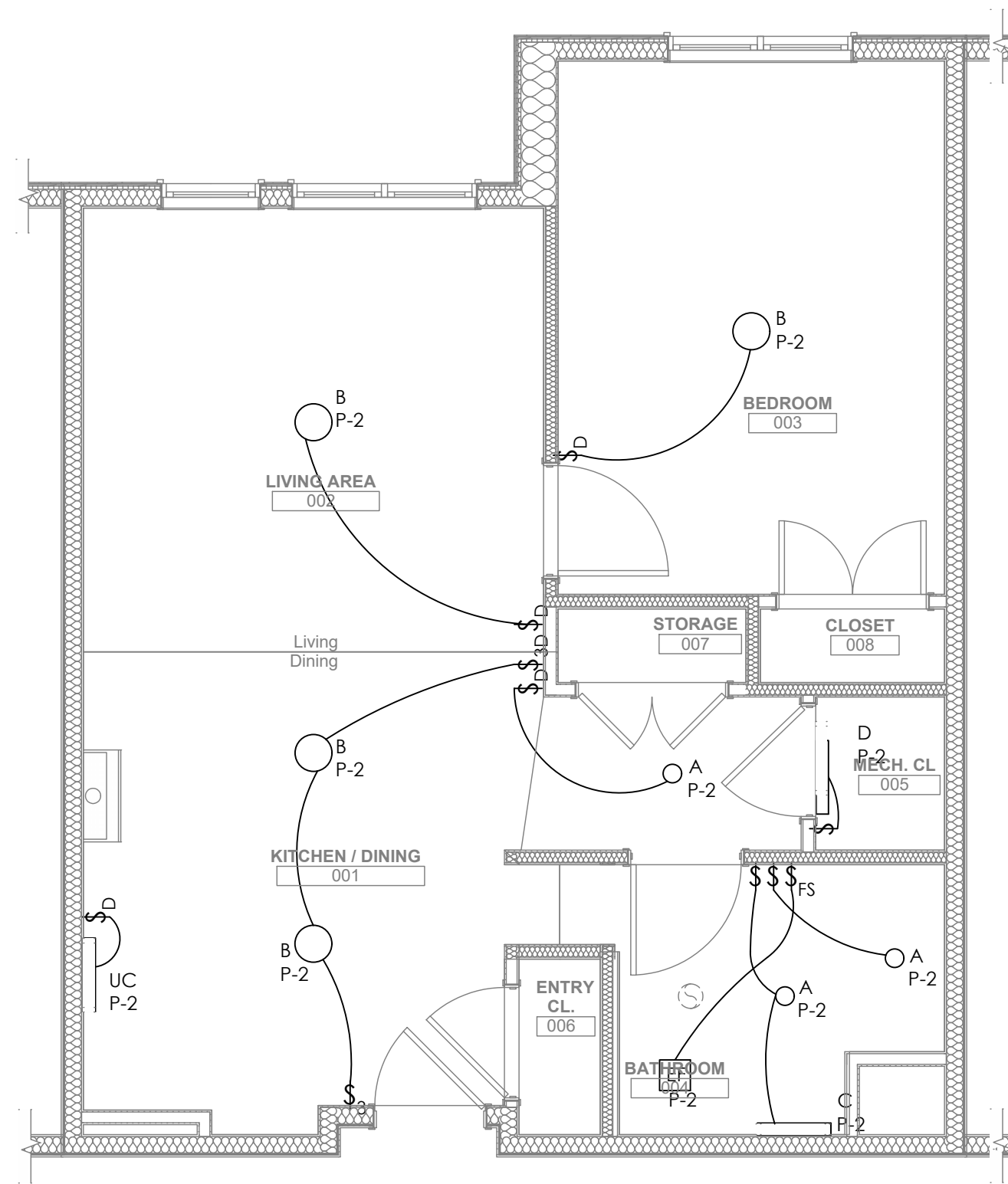
Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

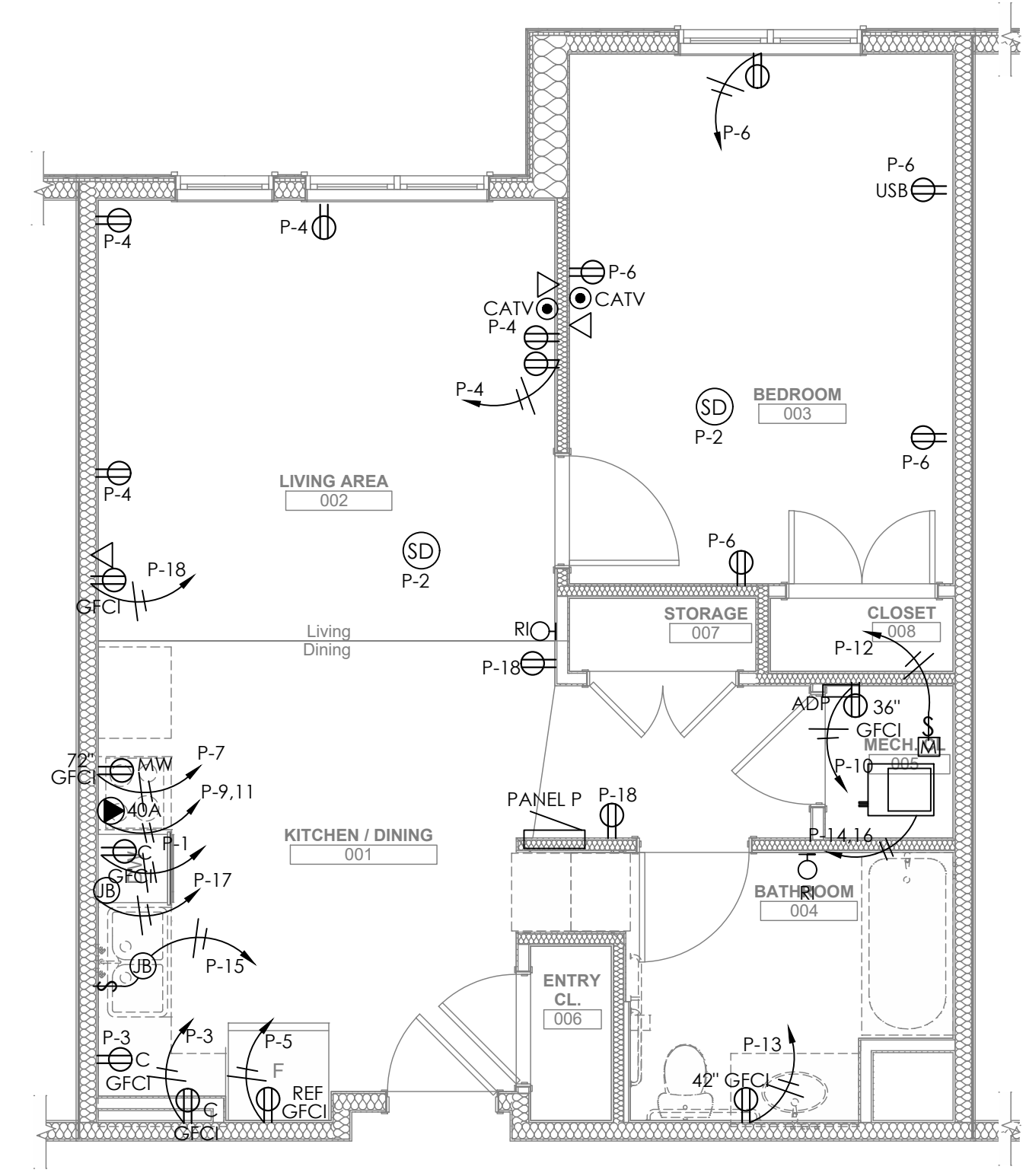
Electrical
Enlarged Unit Plans



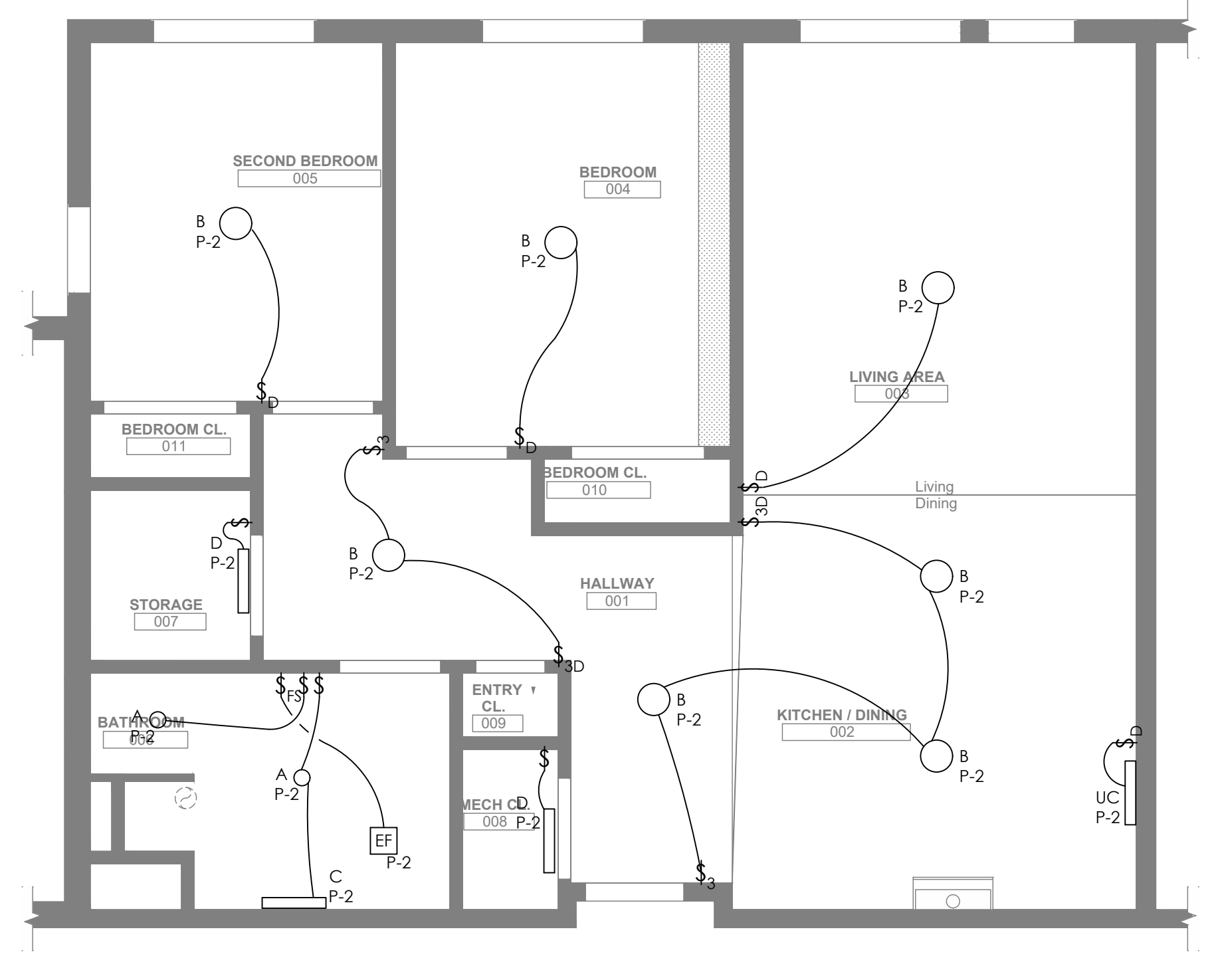
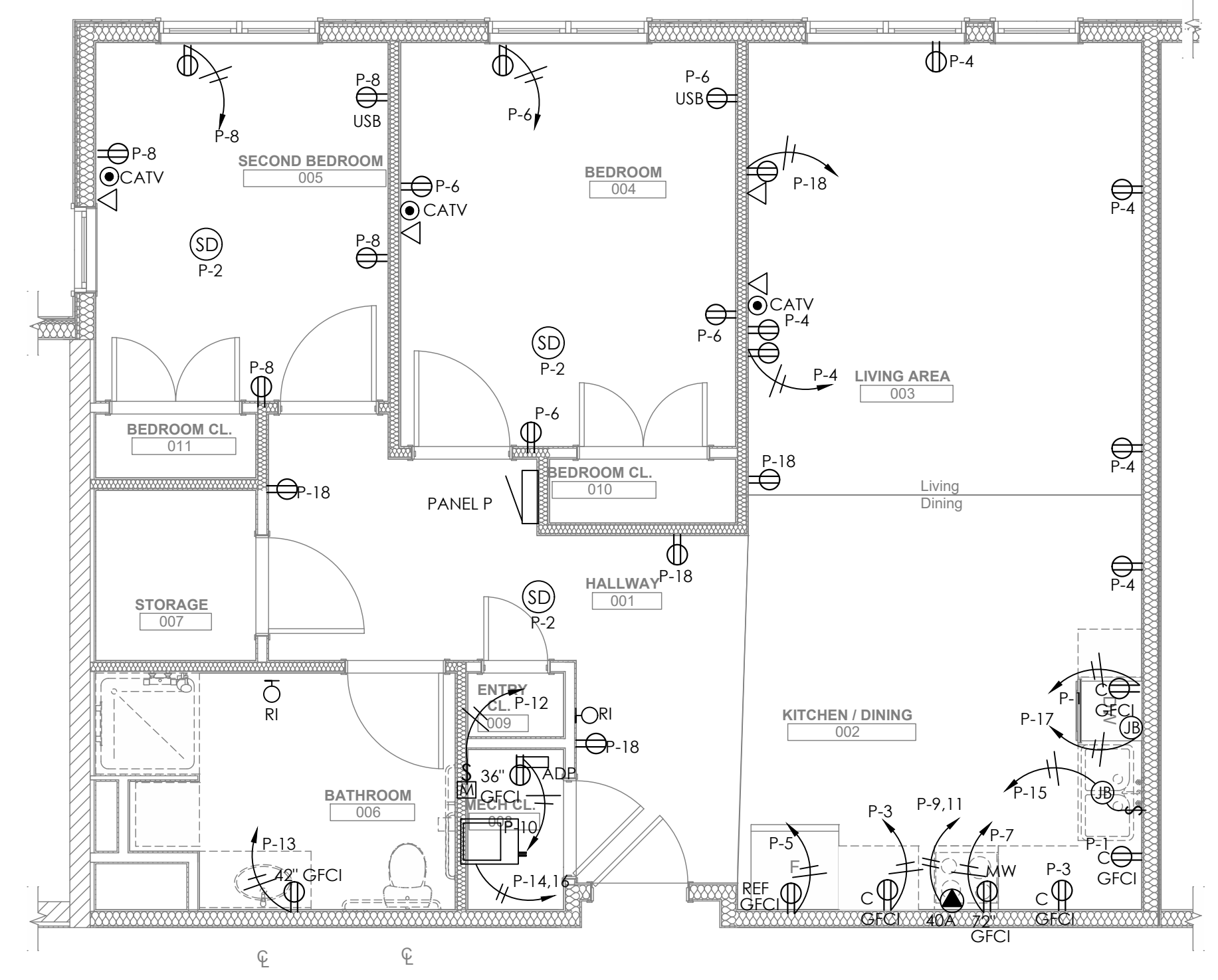
1
ENLARGED UNIT PLAN - TYPE 1GTA
E204 1/4" = 1' 0"



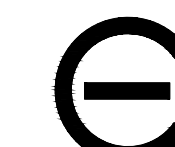
2
ENLARGED UNIT PLAN - TYPE 1GT
E204 1/4" = 1' 0"



3
ENLARGED UNIT PLAN - TYPE 2AS
E204 1/4" = 1' 0"

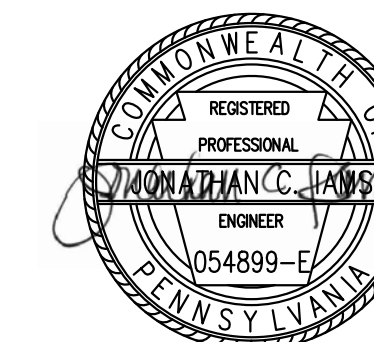


scale	As Noted	Sheet No.
date	December 3rd, 2023	
no.	213	E204
of.	233	
Project #2040		



Iams Consulting, LLC
ENGINEERING ENVIRONMENTS
807 James Street
Suite 301
Pittsburgh, PA 15212
Ph: 412.697.3590
www.iamsconsulting.com

seal



general notes

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revisions

project title

Owner:

HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:

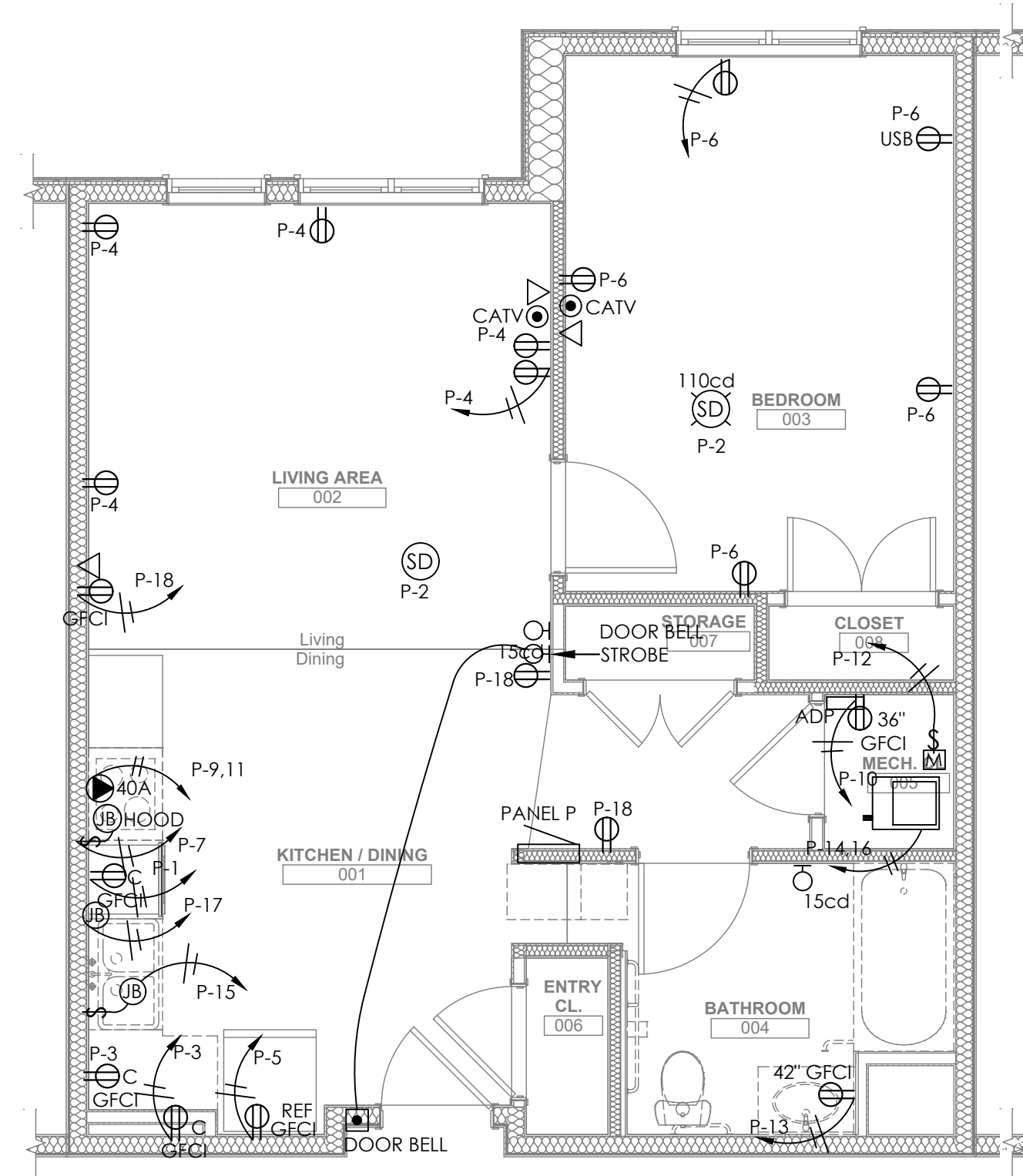
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:

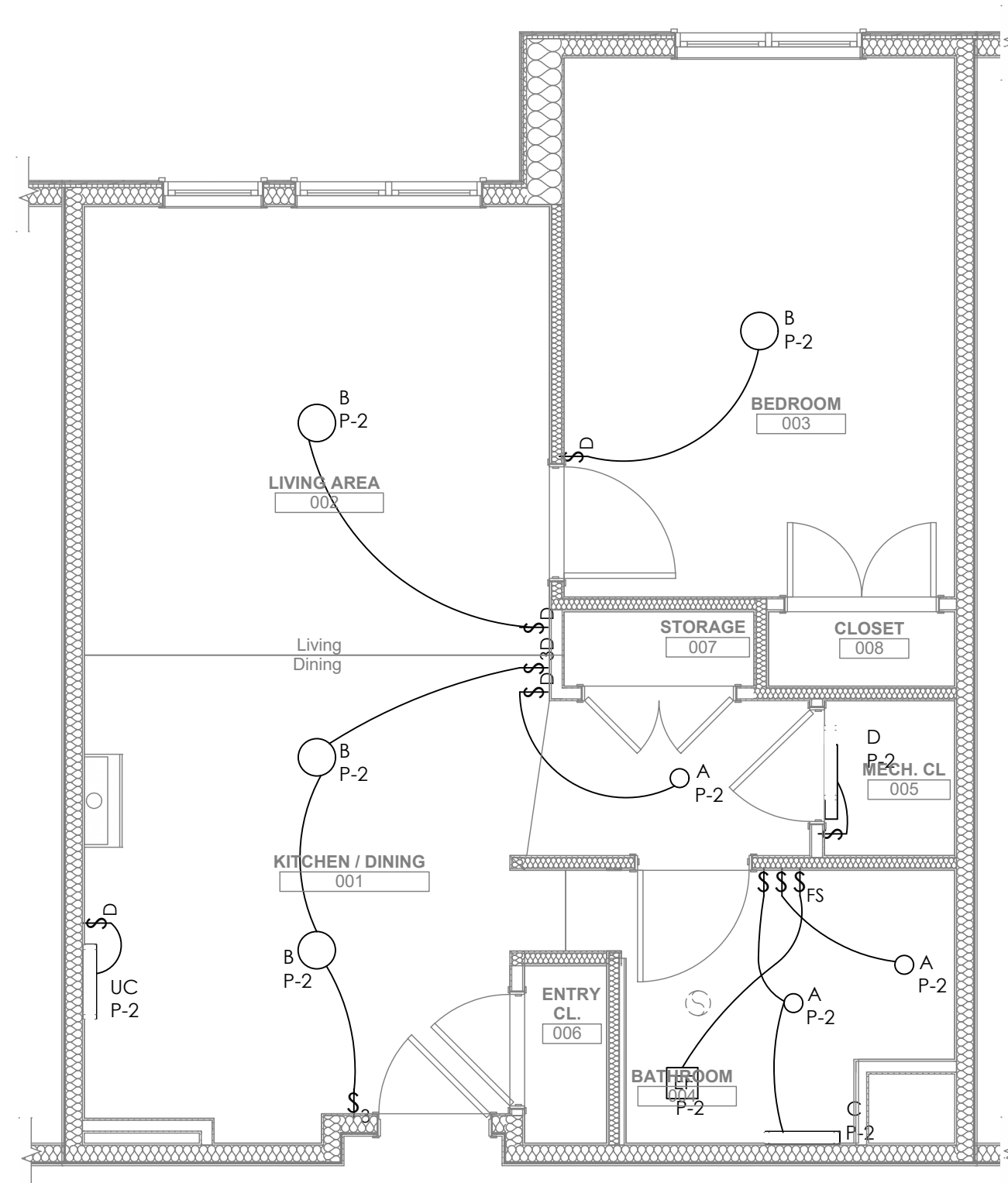
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

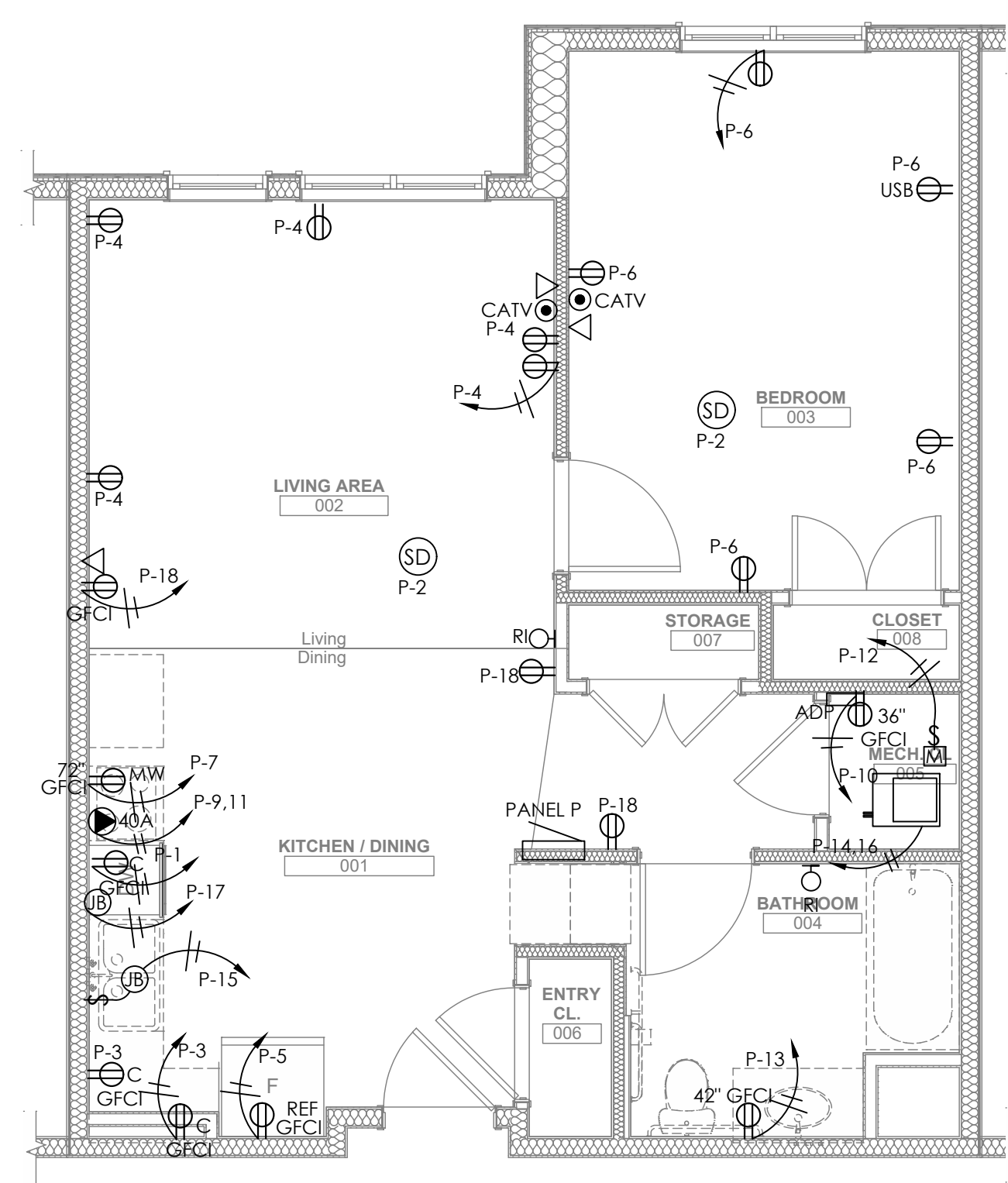
Electrical
Enlarged Unit Plans



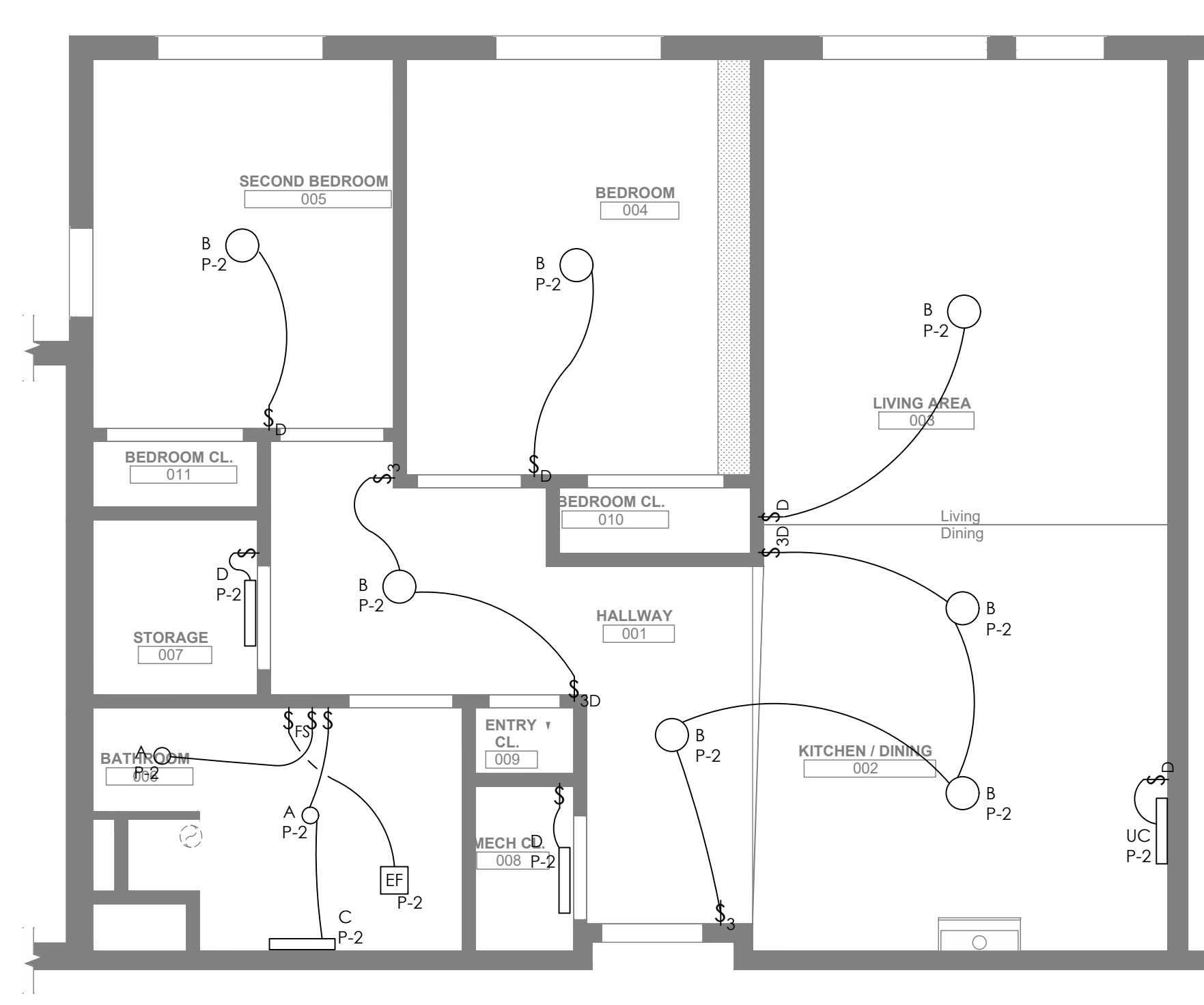
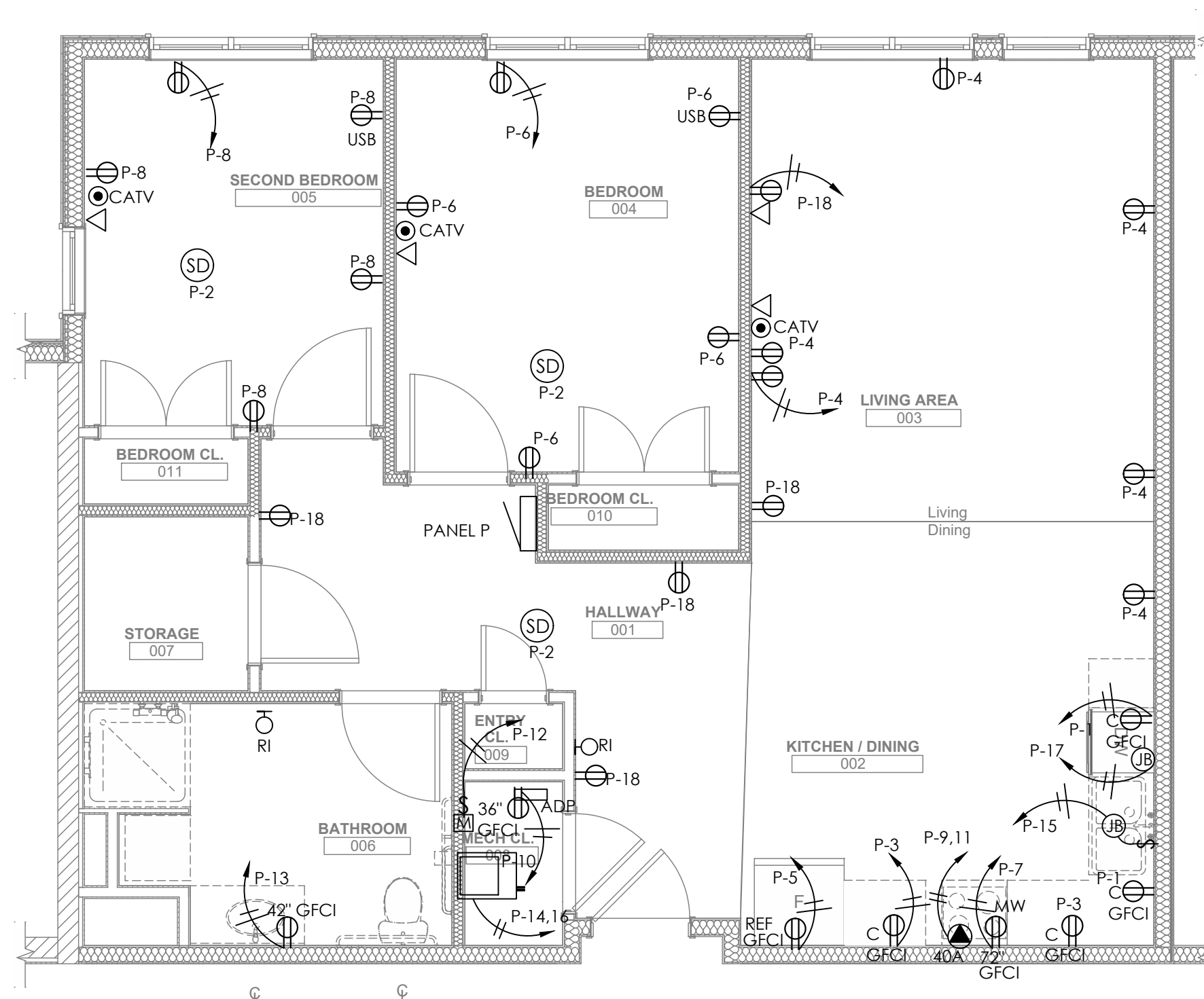
1
E204 1/4" = 1' 0"



2
E204 1/4" = 1' 0"



3
E204 1/4" = 1' 0"



scale
As Noted

date
December 3rd, 2023

no. of.
214 233

Sheet No.

E204

Project #2040



general notes

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revisions

project title

Owner:
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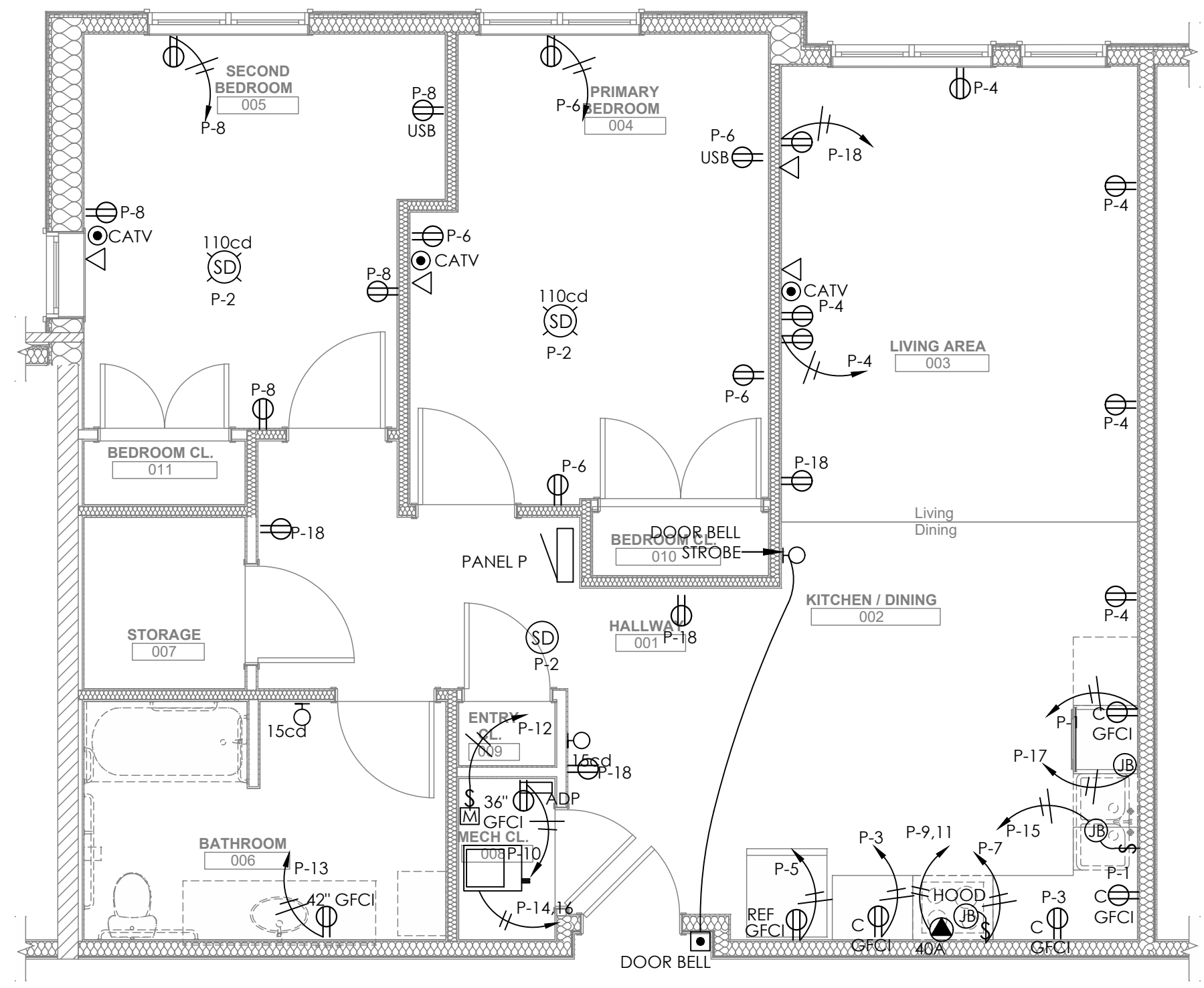
Client:
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

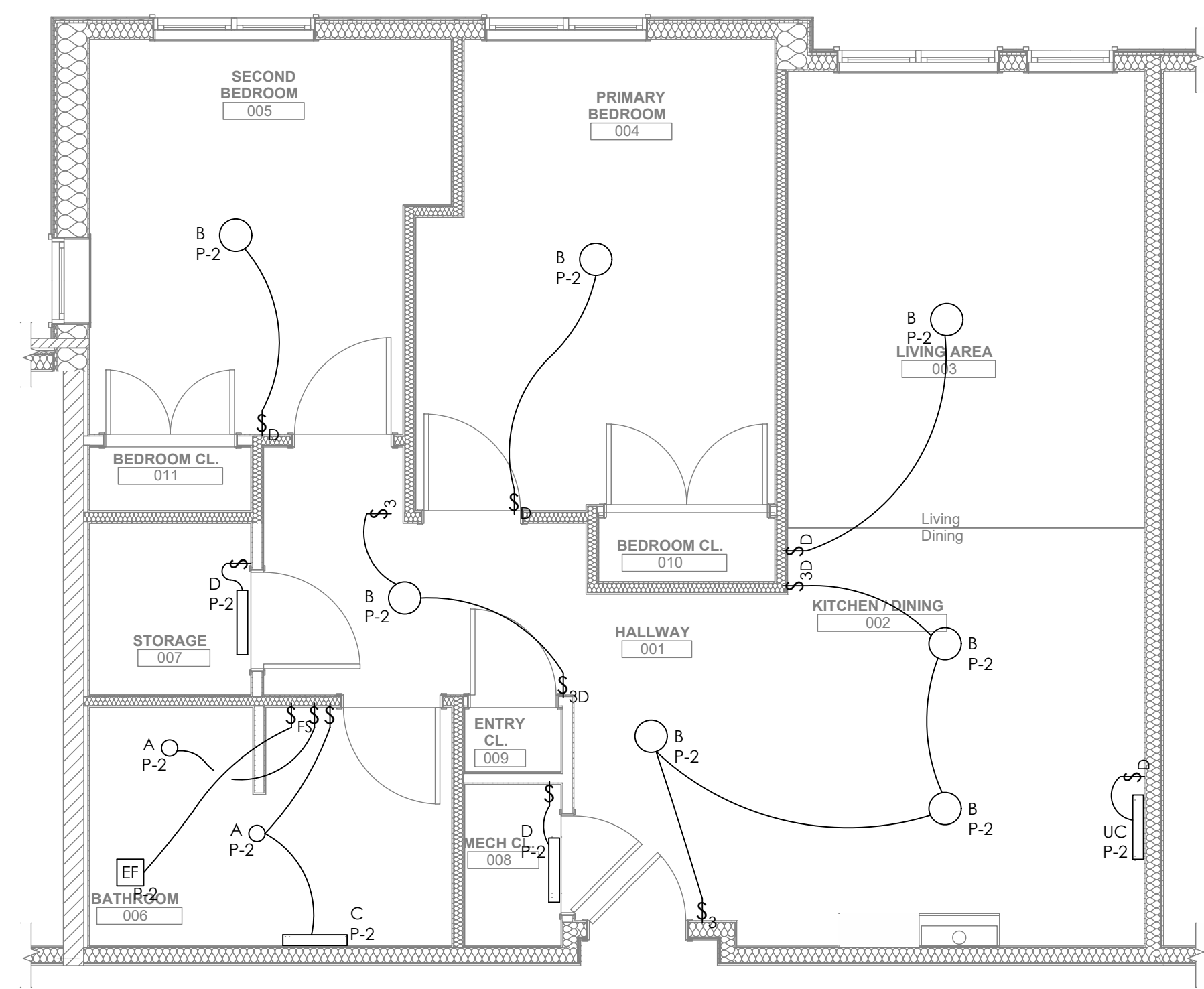
drawing title

Electrical
Enlarged Unit Plans

scale As Noted	Sheet No. E205 Project #2040
date December 3rd, 2023	
no. 215	of. 233



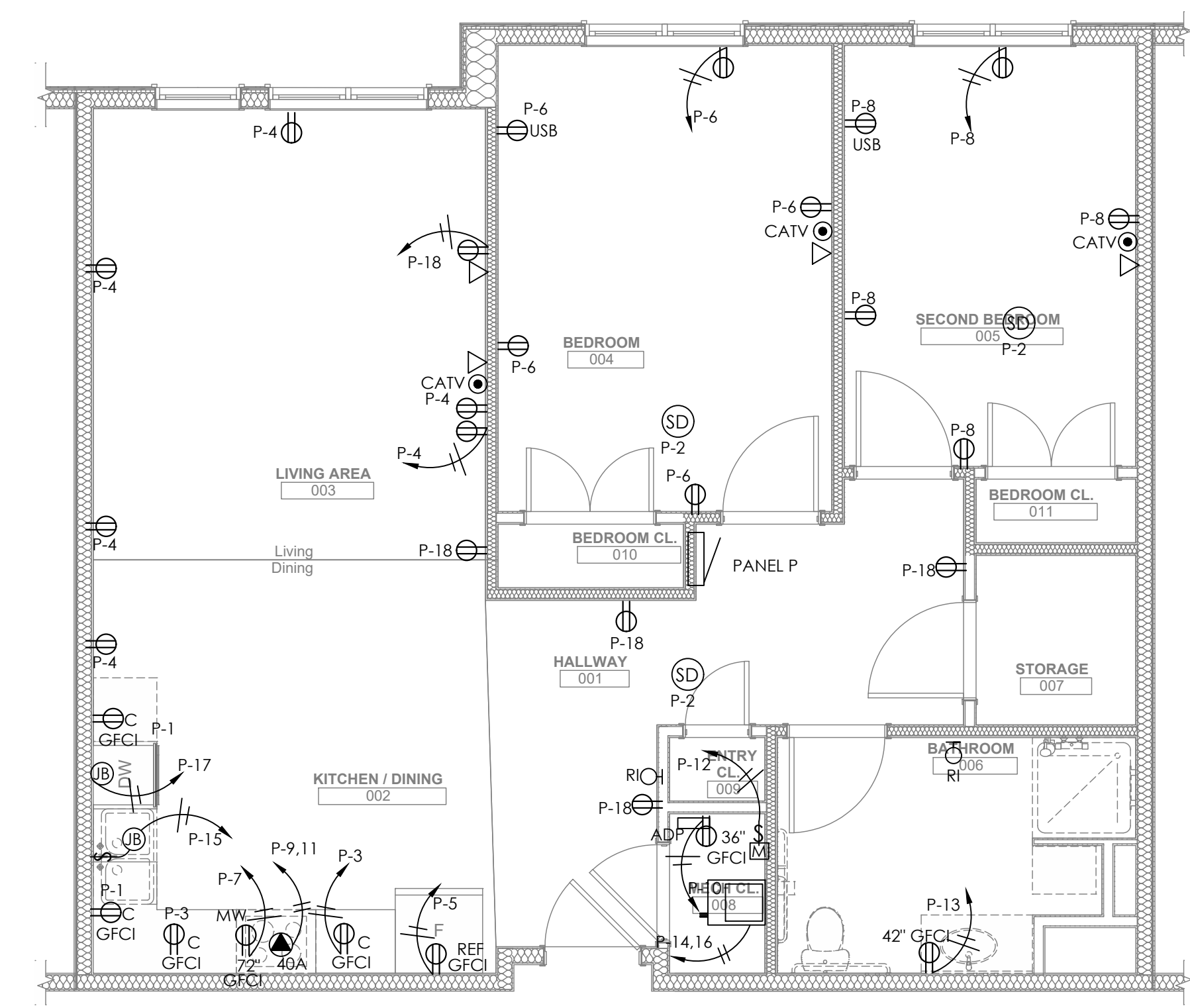
1 ENLARGED UNIT PLAN - TYPE 2BTA
E205 1/4" = 1' 0"



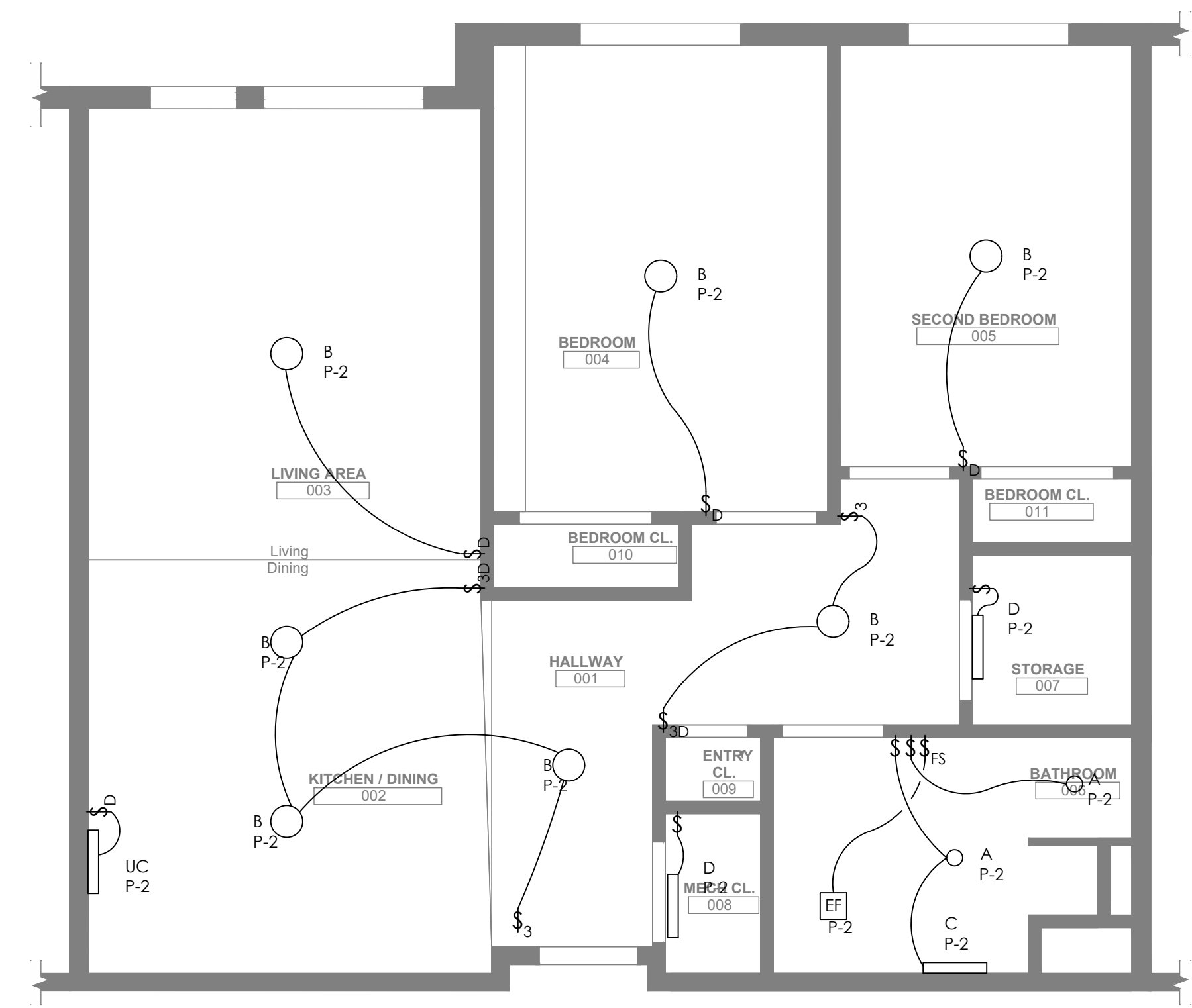
3
E205 1/4" = 1' 0"

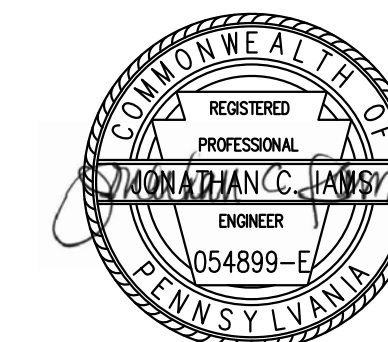
**PARTIAL UNIT PLAN - TYPE 2B
SHOWER TYPE**

E205 1/4" = 1' 0"



2 ENLARGED UNIT PLAN - TYPE 2CS
E205 1/4" = 1' 0"





general notes

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revisions

project title

Owner:

HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:

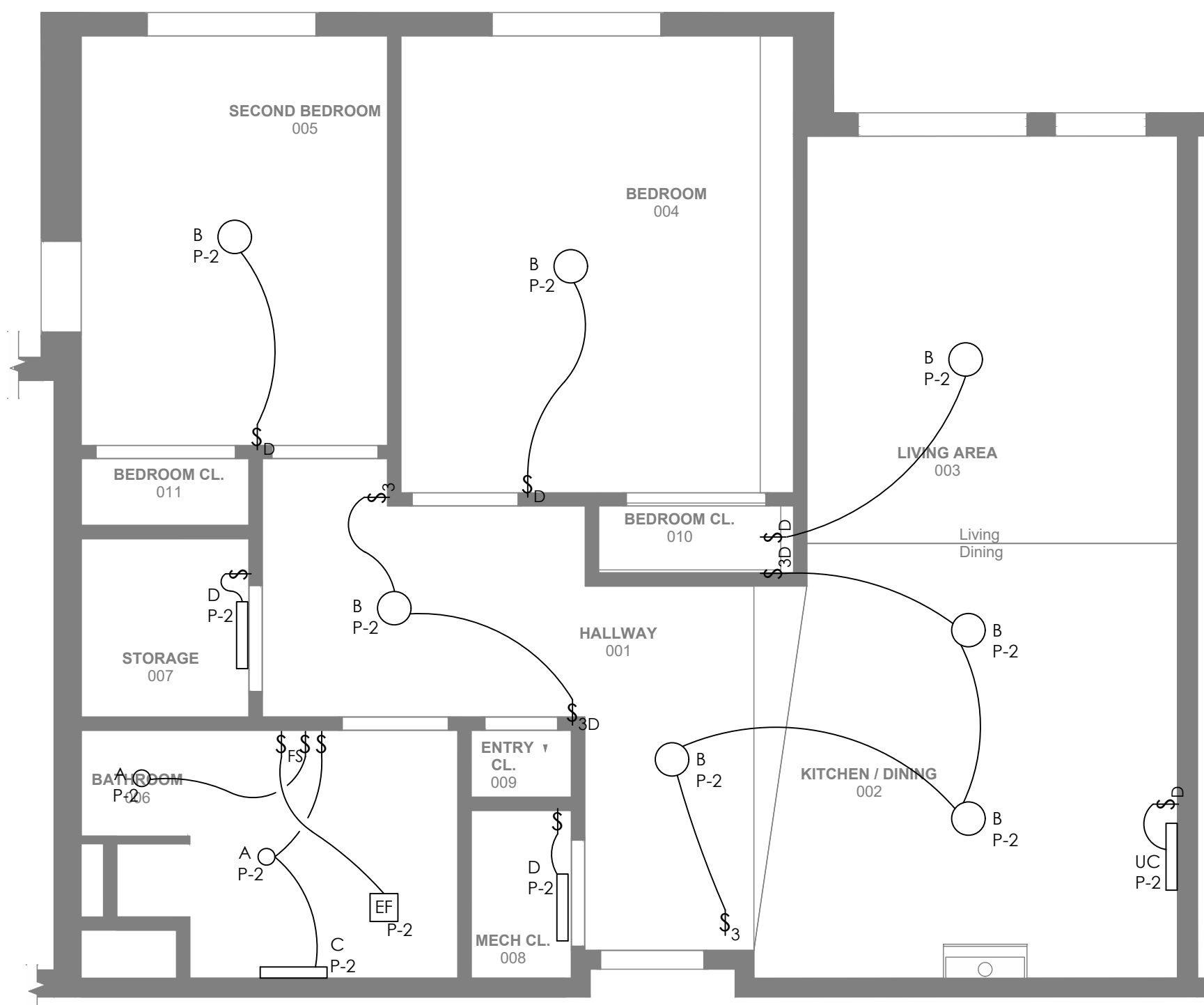
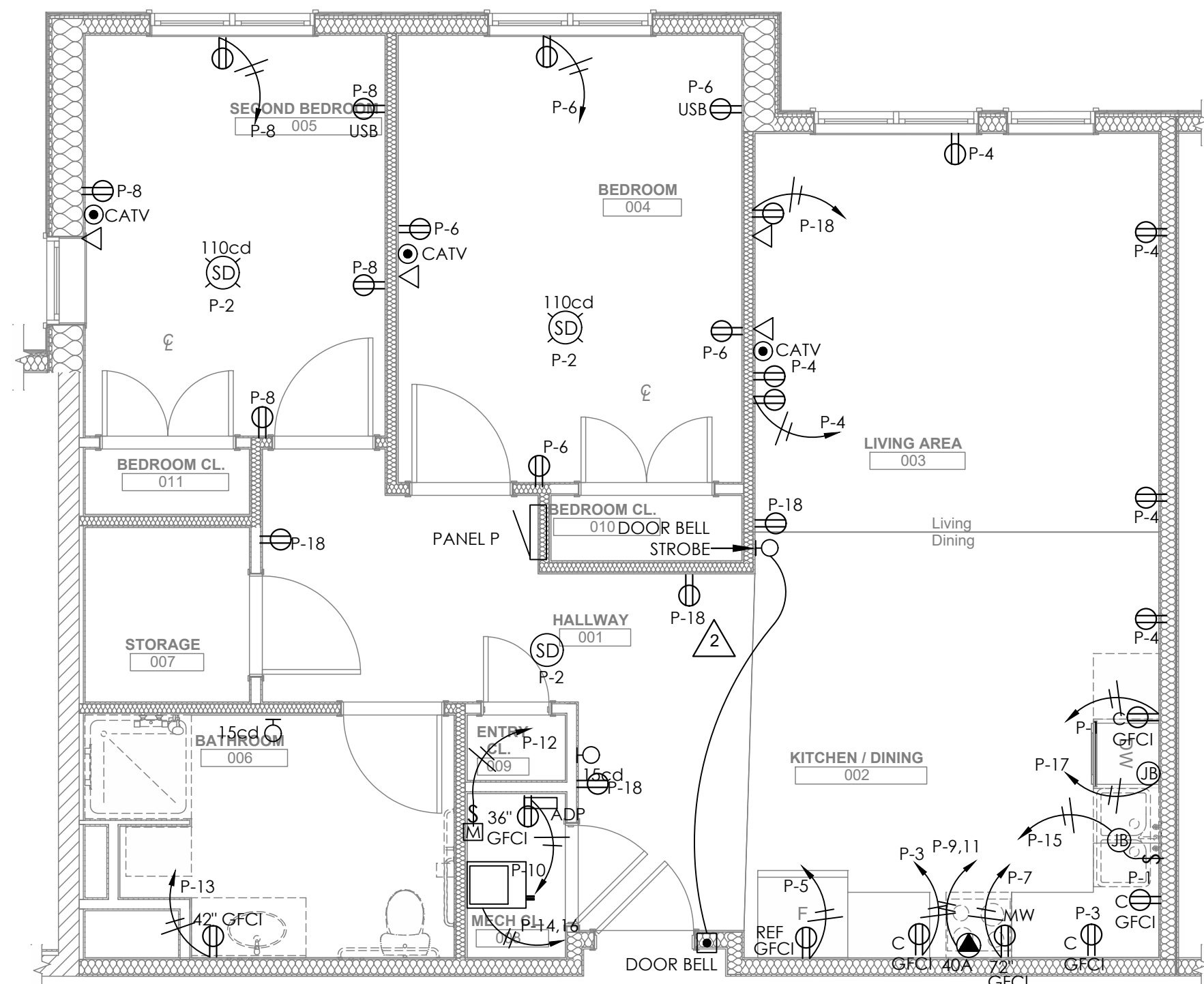
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:

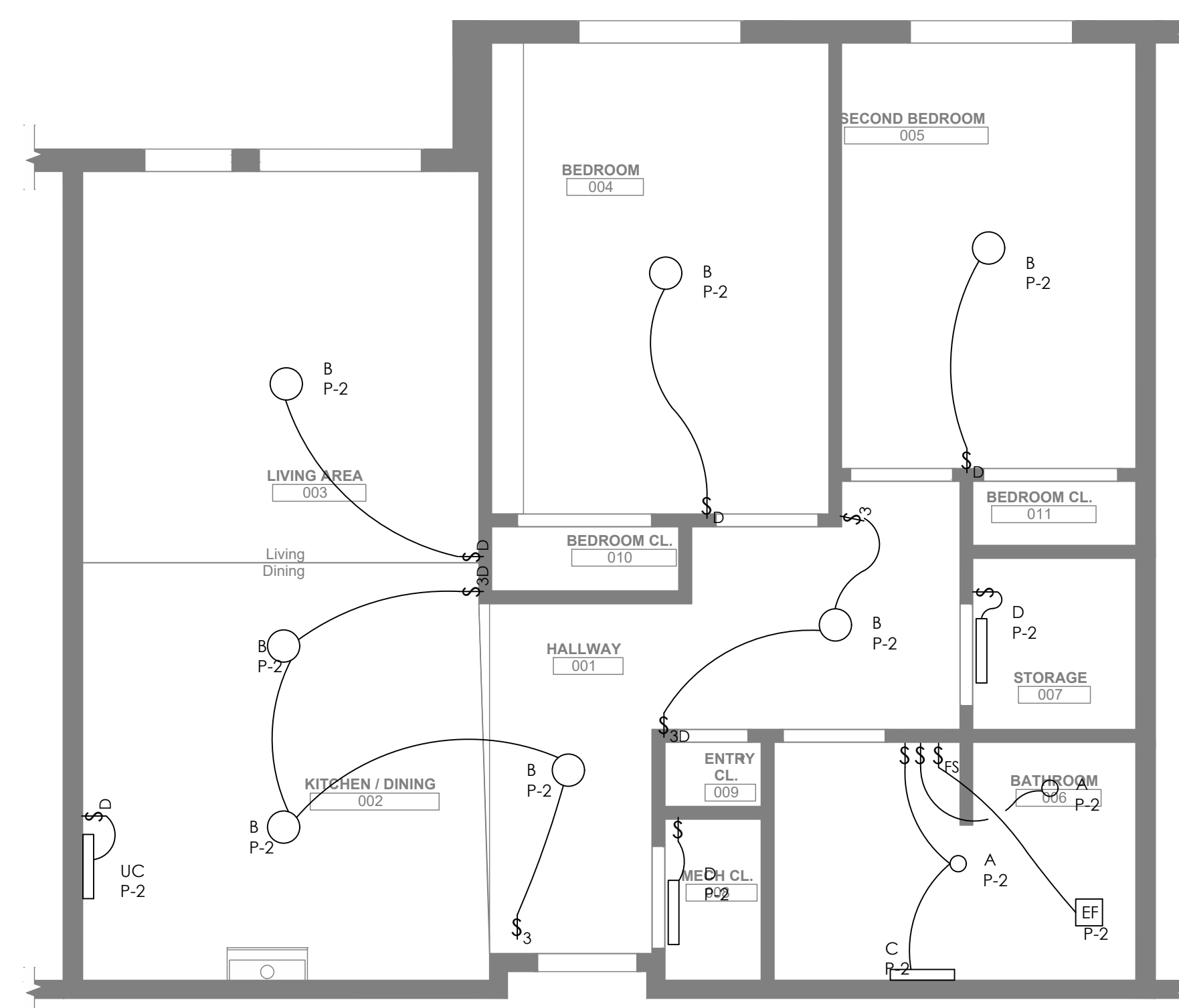
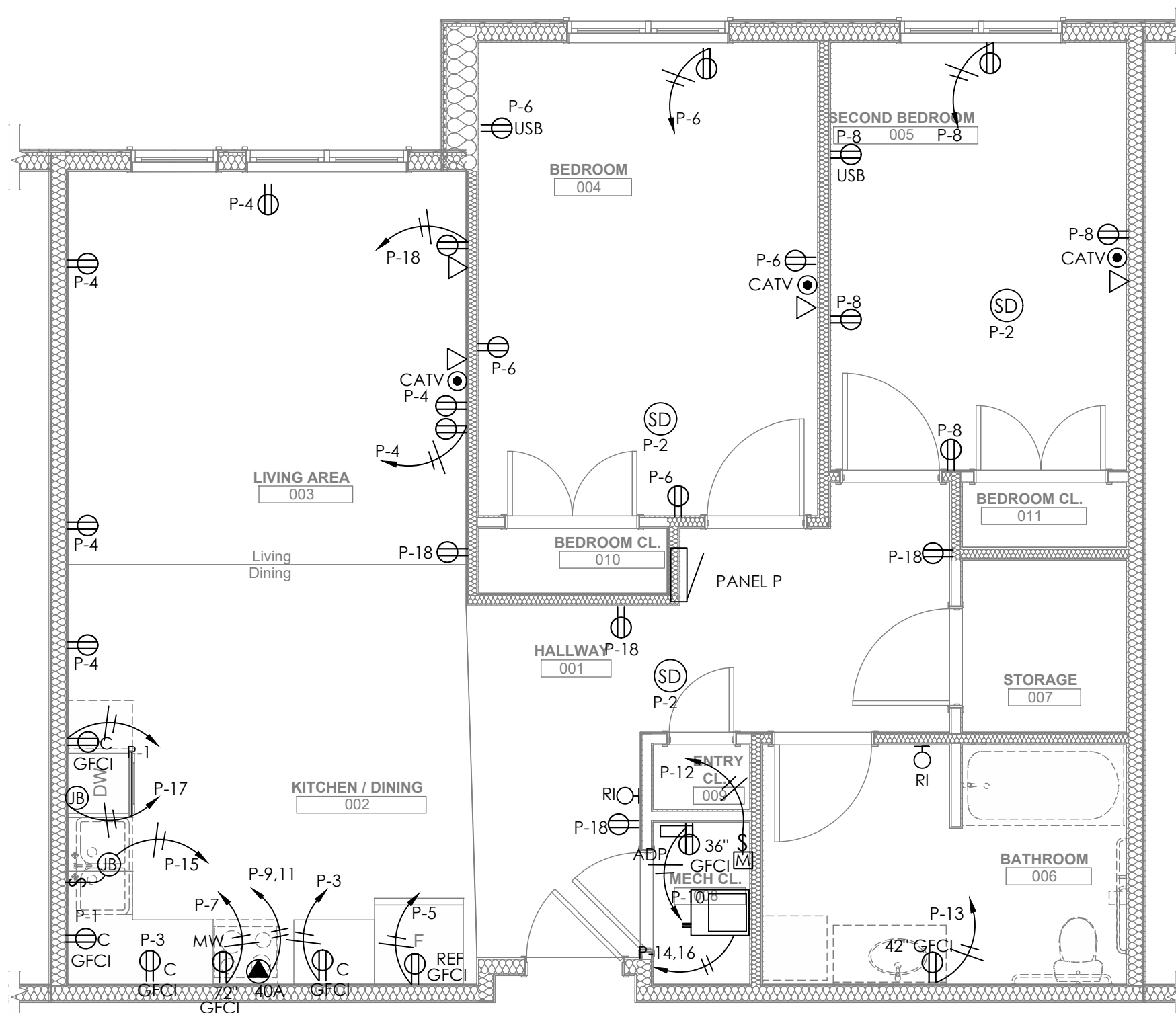
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

Electrical
Enlarged Unit Plans



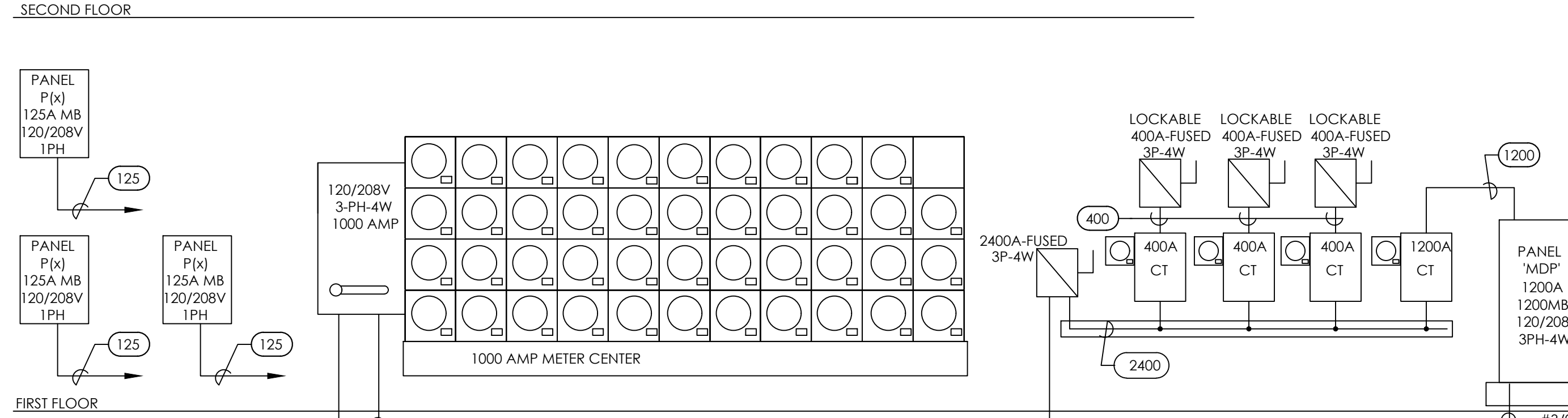
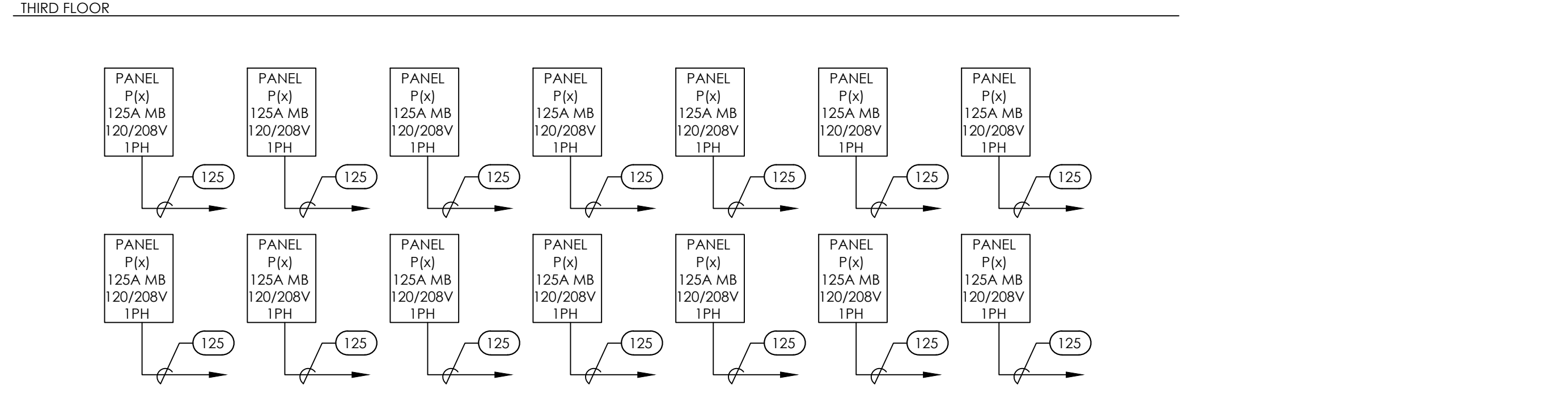
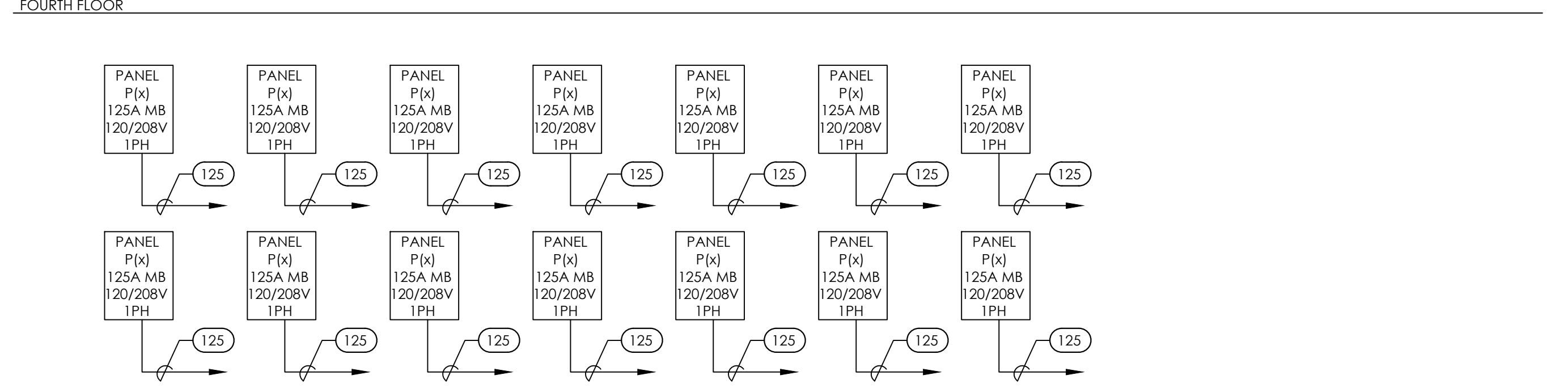
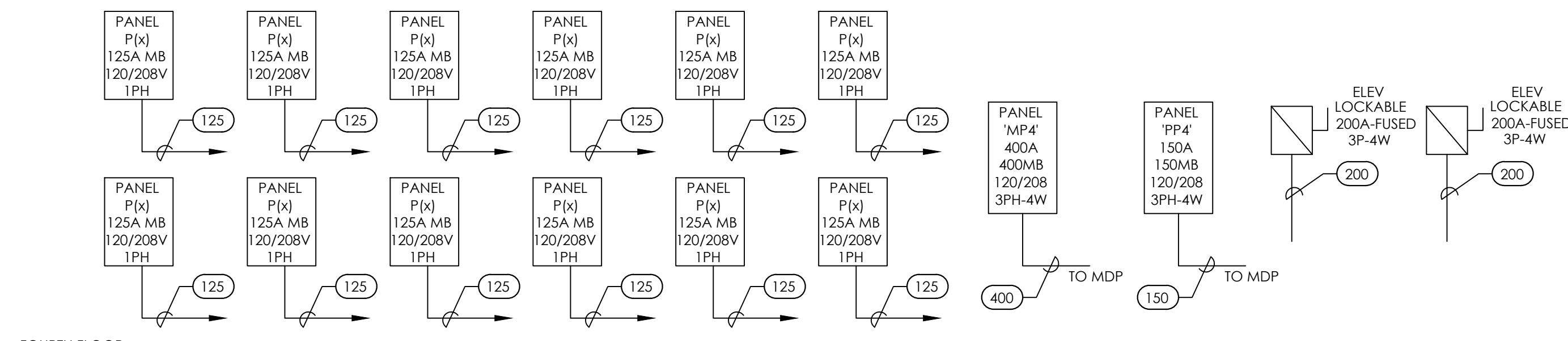
1 ENLARGED UNIT PLAN - TYPE 2DSHV
1/4" = 1'0"



2 ENLARGED UNIT PLAN - TYPE 2ET
1/4" = 1'0"

scale	As Noted
date	December 3rd, 2023
no.	216
of.	233

Sheet No.
E206
Project #2040



COPPER FEEDER SCHEDULE - (AS APPLICABLE) (3PH, 4W + G)

ETR	EXISTING TO REMAIN
20	(4) #12 THWN + (1) #12 GR/GD IN A 3/4" CONDUIT
30	(4) #10 THWN + (1) #10 GR/GD IN A 3/4" CONDUIT
40	(4) #8 THWN + (1) #10 GR/GD IN A 3/4" CONDUIT
50	(4) #6 THWN + (1) #10 GR/GD IN A 3/4" CONDUIT
60	(4) #4 THWN + (1) #10 GR/GD IN A 1 1/4" CONDUIT
70	(4) #4 THWN + (1) #8 GR/GD IN A 1 1/4" CONDUIT
80	(4) #4 THWN + (1) #8 GR/GD IN A 1 1/2" CONDUIT
90	(4) #3 THWN + (1) #8 GR/GD IN A 1 1/2" CONDUIT
100	(4) #2 THWN + (1) #8 GR/GD IN A 1 1/2" CONDUIT
125	(4) #1 THWN + (1) #6 GR/GD IN A 1 1/2" CONDUIT
150	(4) #1/0 THWN + (1) #6 GR/GD IN A 2" CONDUIT
175	(4) #2/0 THWN + (1) #6 GR/GD IN A 2" CONDUIT
200	(4) #3/0 THWN + (1) #6 GR/GD IN A 2" CONDUIT
225	(4) #4/0 THWN + (1) #4 GR/GD IN A 2 1/2" CONDUIT
250	(4) #250 KCML THWN + (1) #4 GR/GD IN A 3" CONDUIT
300	(4) #350 KCML THWN + (1) #4 GR/GD IN A 3" CONDUIT
350	(4) #500 KCML THWN + (1) #3 GR/GD IN A 3 1/2" CONDUIT
400	(4) #600 KCML THWN + (1) #3 GR/GD IN A 3 1/2" CONDUIT

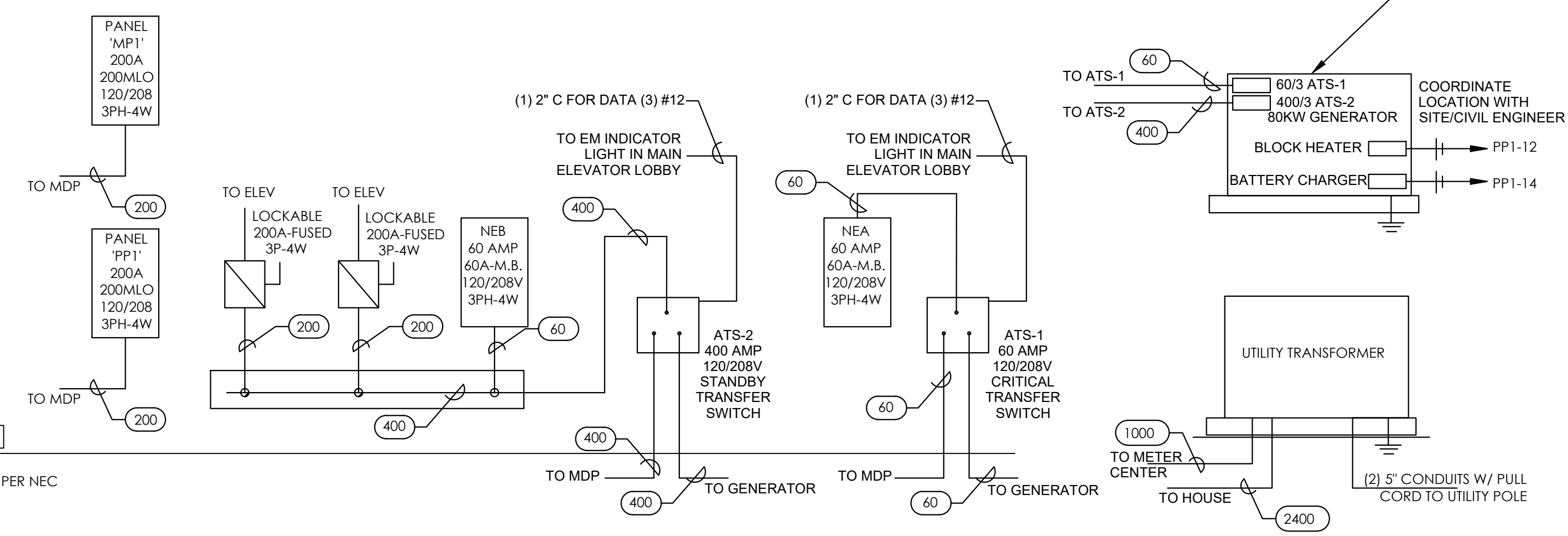
ALUMINUM FEEDER SCHEDULE - (AS APPLICABLE) (3PH, 4W + G)

ETR	EXISTING TO REMAIN
450	(2) 2 1/2" CONDUITS EACH WITH (4) #4/0 THWN + (1) #2 GR/GD
500	(2) 3" CONDUITS EACH WITH (4) #250 KCML THWN + (1) #2 GR/GD
600	(2) 3" CONDUITS EACH WITH (4) #350 KCML THWN + (1) #1 GR/GD
800	(2) 3 1/2" CONDUITS EACH WITH (4) #600 KCML THWN + (1) #1/0 GR/GD
1000	(4) 4" CONDUITS EACH WITH (4) #250 KCML THWN
2400	(6) 4" CONDUITS EACH WITH (4) #600 KCML THWN

FROM TRANSFORMER

1000	(4) 4" CONDUITS EACH WITH (4) #350 KCML THWN
2400	(8) 4" CONDUITS EACH WITH (4) #500 KCML THWN

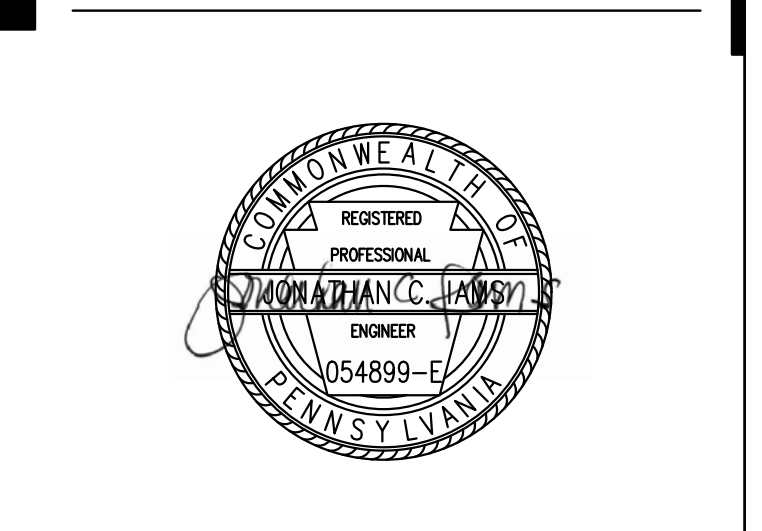
CONTRACTOR MAY USE ALUMINUM CONDUCTORS FOR COPPER FEEDERS SIZED #2 AWG AND LARGER. ADJUST WIRE SIZE AS APPROPRIATE BASED ON AMPACITY REQUIRED.
TYPE SER CABLE FOR APARTMENT FEEDERS ARE PERMITTED.
ALUMINUM CONDUCTORS MAY NOT BE USED ON ANY MECHANICAL EQUIPMENT, OR ELEVATOR CIRCUITS



Fukui Architects Pc
205 Ross Street
Pittsburgh, Pennsylvania 15219
ph 412.281.6001 fx 412.281.6002

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807 James Street
Suite 301
Pittsburgh, PA 15212
Ph: 412.697.3590
www.iamsc consulting.com



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revisions

project title

Owner:
HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:
Allies & Ross Management and Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

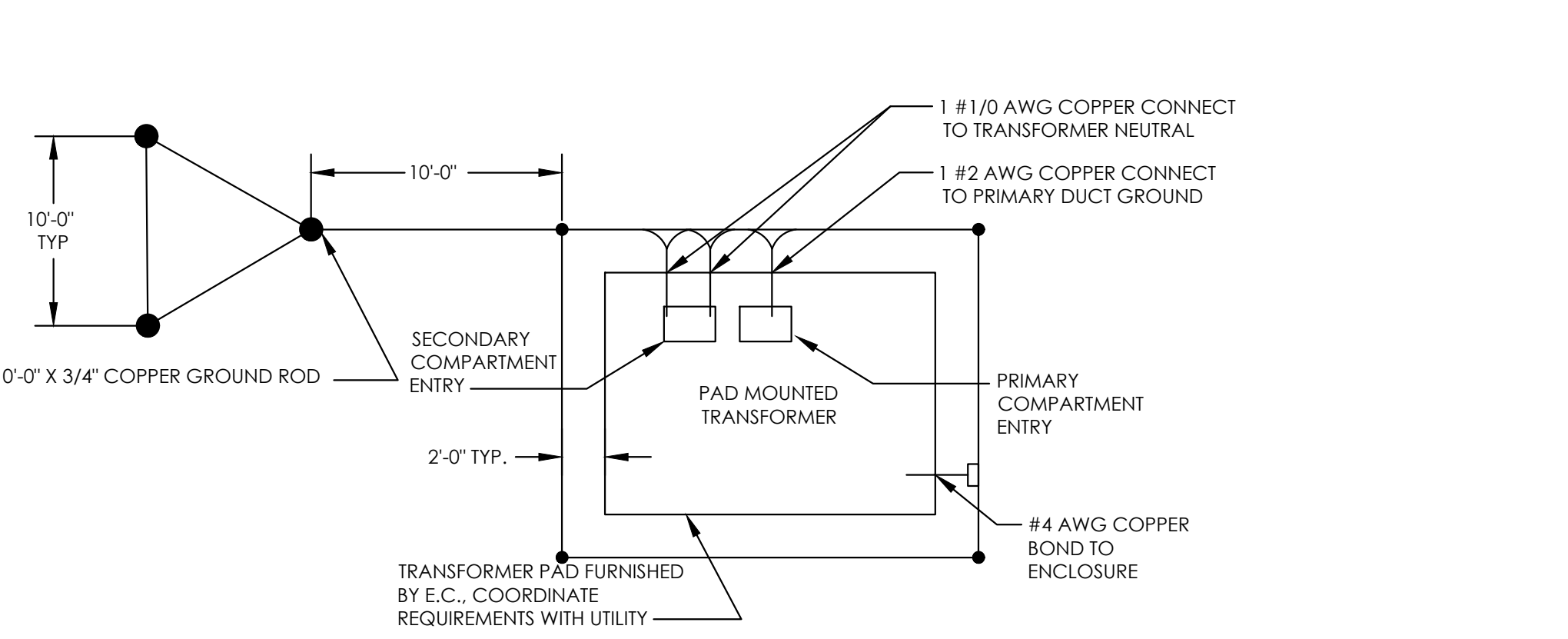
Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

Electrical Power Distribution Riser & Details

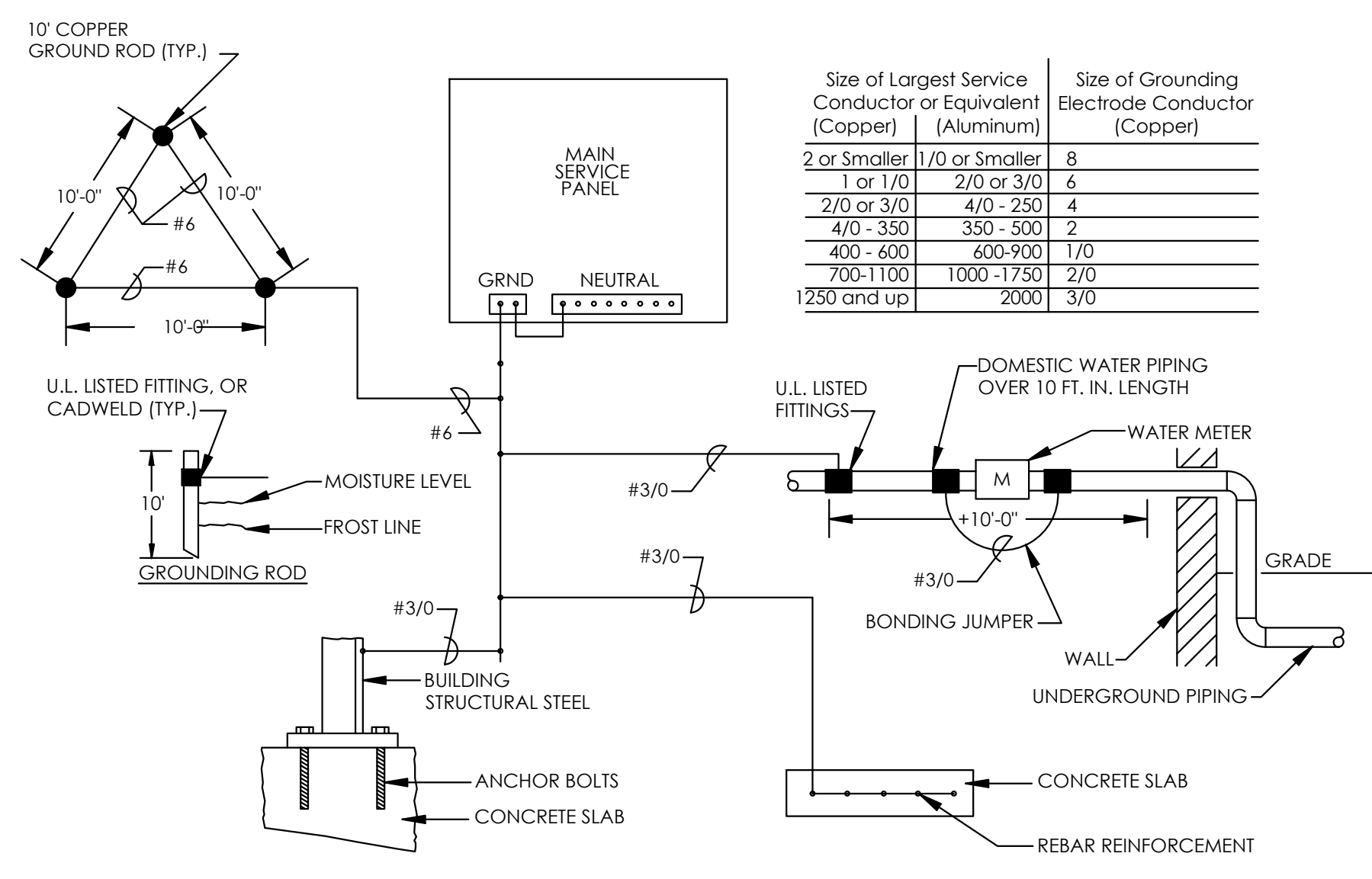
1 ELECTRICAL POWER DISTRIBUTION RISER

E300 1/8" = 1' 0"



1 TRANSFORMER PAD GROUNDING DETAIL

E300 NTS



2 GROUNDING DETAIL

E300 NO SCALE

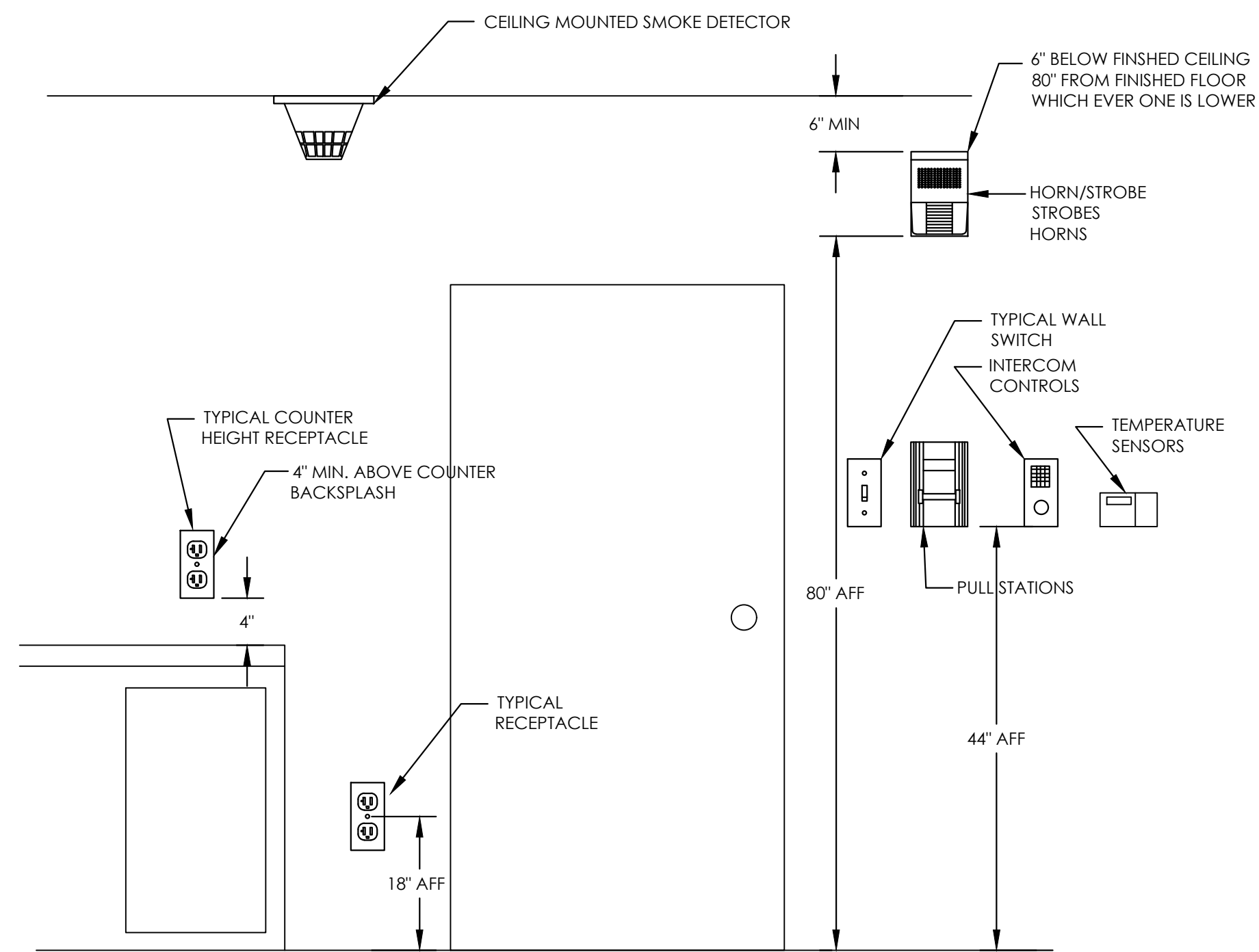
Size of Largest Service Conductor or Equivalent (Copper)	Size of Grounding Electrode Conductor (Aluminum)	Size of Grounding Electrode Conductor (Copper)
2 or Smaller	1/0 or Smaller	8
1 or 1/0	2/0 or 3/0	6
2/0 or 3/0	4/0 - 250	4
4/0 - 350	350 - 500	2
400 - 600	600 - 900	1/0
700 - 1100	1000 - 1750	2/0
1250 and up	2000	3/0

scale
As Noted

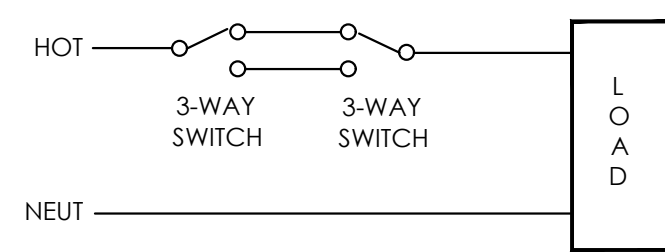
date
December 3rd, 2023

no. **217** of **233**

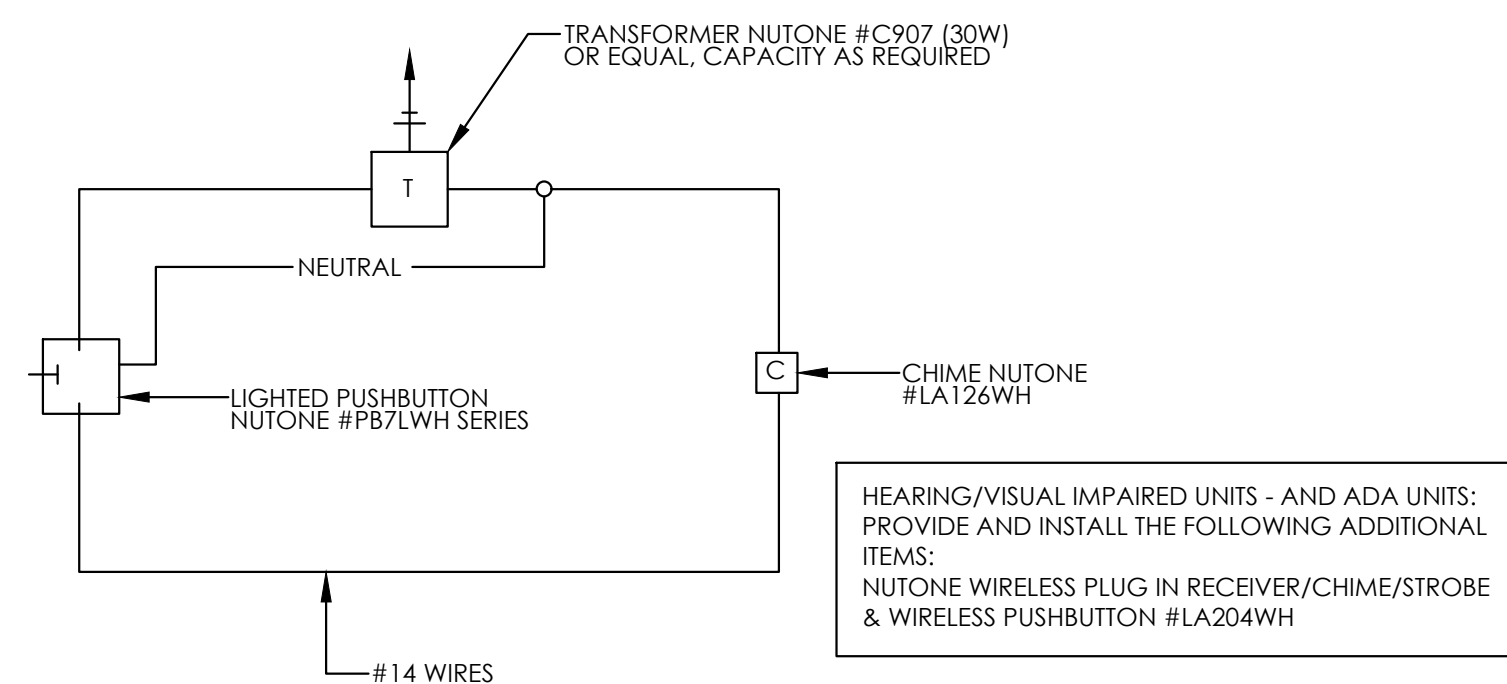
Sheet No. E300
Project #2040



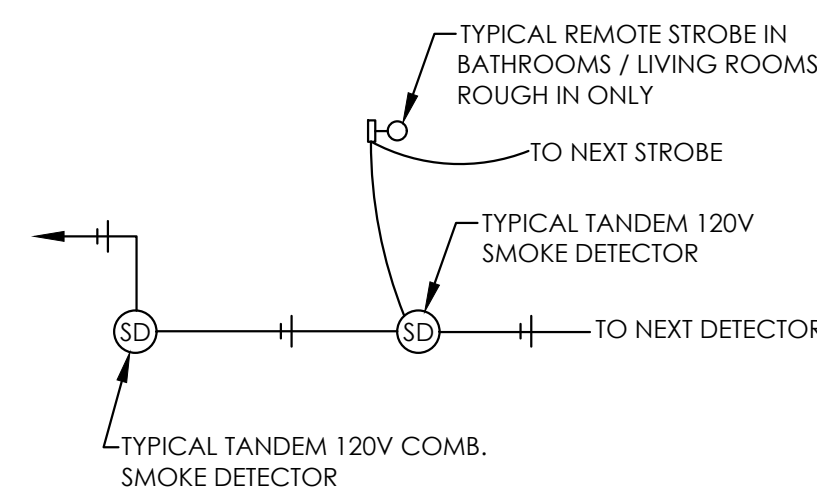
1 DEVICE MOUNTING HEIGHT DETAIL
E301 NTS



2 THREE-WAY SWITCHING DIAGRAM (TYP)
E301 NTS



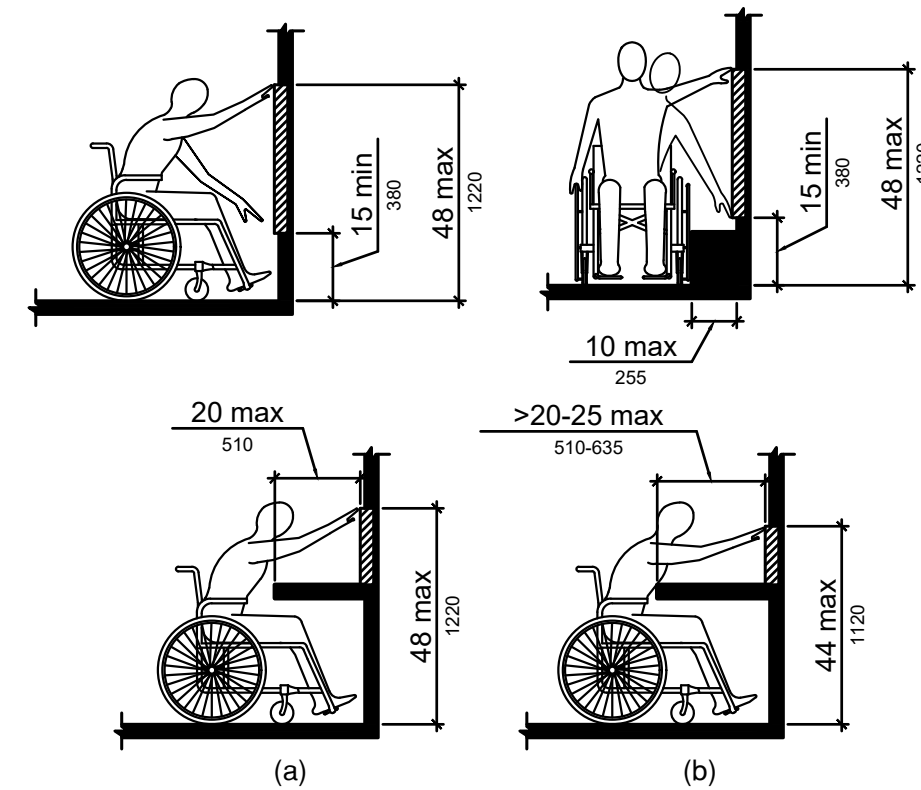
3 DOOR CHIME WIRING DIAGRAM
E301 NTS



4 TYPICAL SMOKE DETECTOR DIAGRAM
E301 NTS

5 E301 NTS

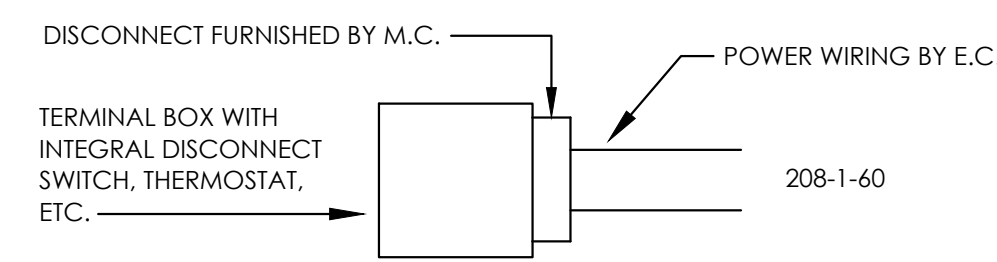
HEARING/VISUAL IMPAIRED & ADA UNITS SMOKE DETECTOR DIAGRAM



TYPE: A & B UNITS - ELECTRICAL OPERABLE PARTS:
CIRCUIT BREAKERS: 48" AFF (TOP)
SWITCHES - 44" AFF (BOTTOM)
DEVICES - 44" AFF (BOTTOM - 20" MAX COUNTER WIDTH)
DEVICES - 40" AFF (BOTTOM - 20-25" COUNTER WIDTH)

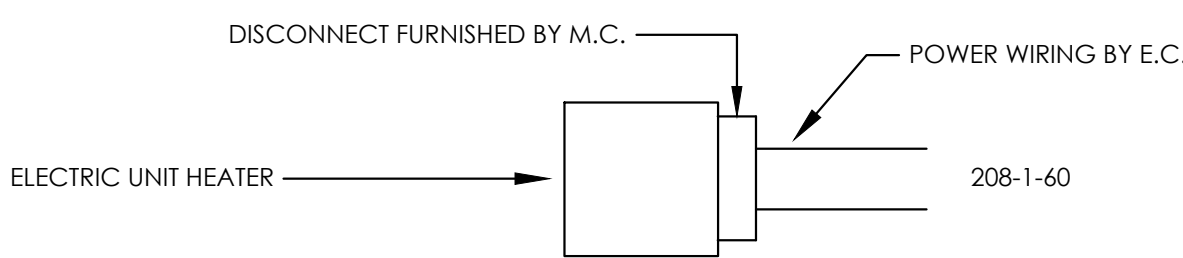
6 E305 NTS

ADA OPERABLE PARTS REACH DETAIL



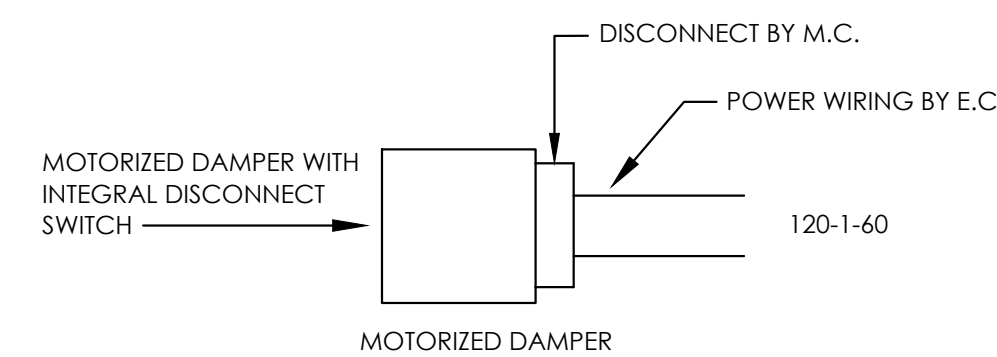
7 E305 NTS

ELECTRIC HEATER WIRING DIAGRAM



8 E305 NTS

ELECTRIC UNIT HEATER WIRING DIAGRAM

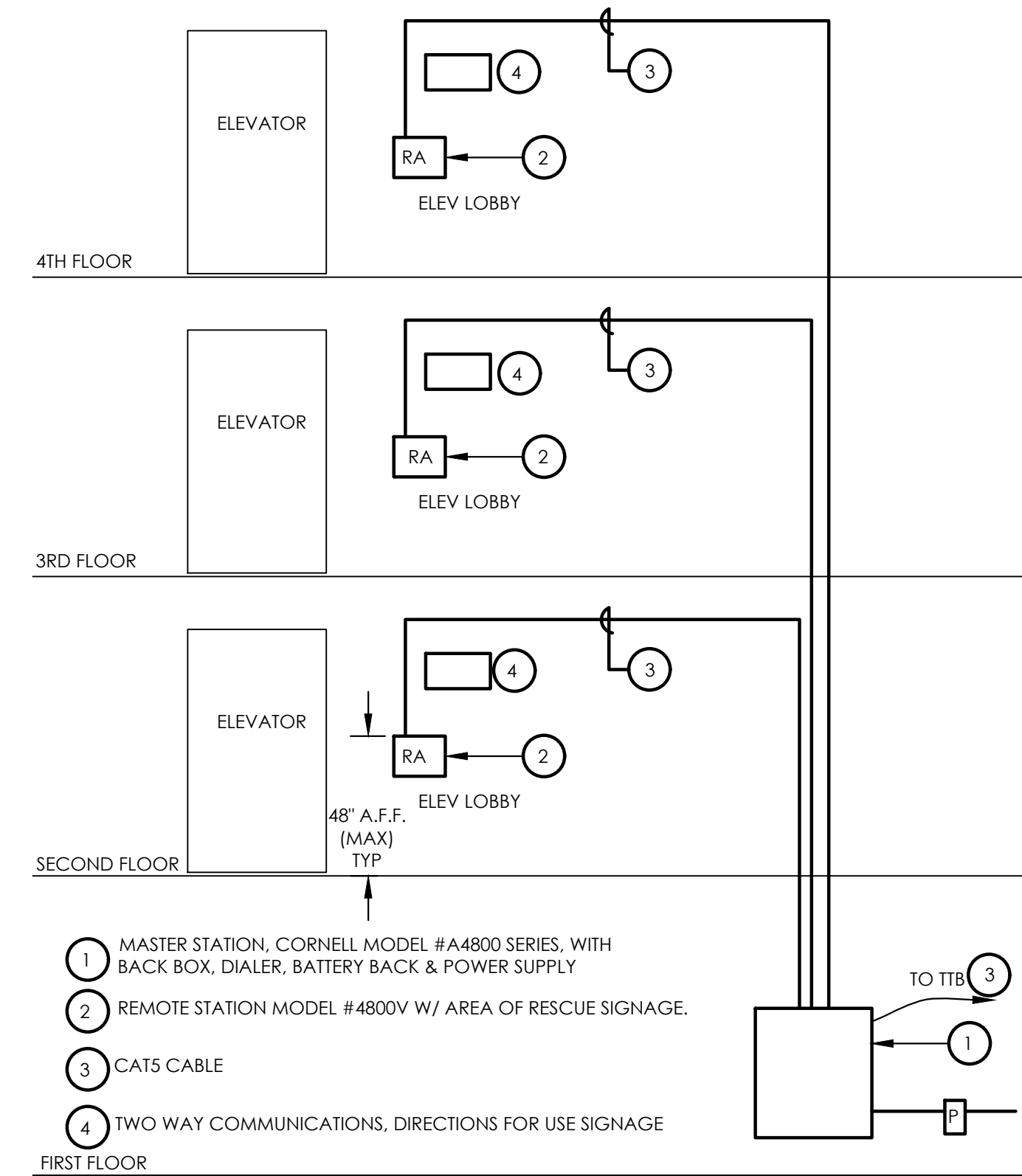
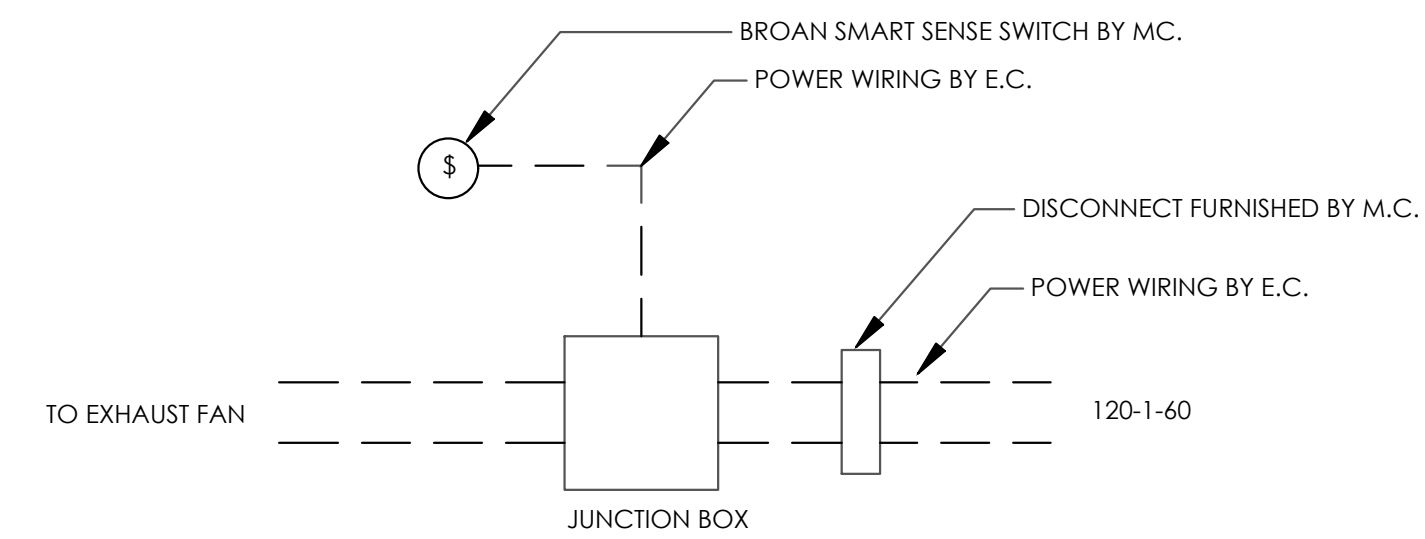


9 E305 NTS

MOTORIZED DAMPER WIRING DIAGRAM

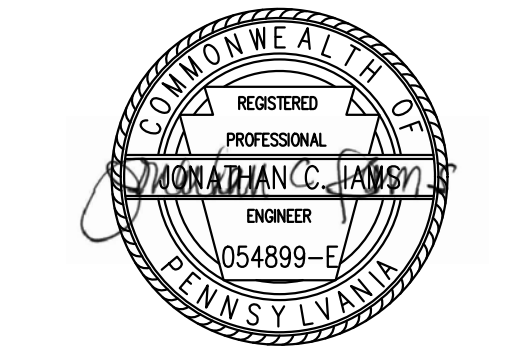
10 E301 NTS

CABINET EXHAUST FAN (CEF-1) WIRING DIAGRAM



5 E301 NO SCALE

TWO WAY COMMUNICATION



general notes

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revisions

project title

Owner:
HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

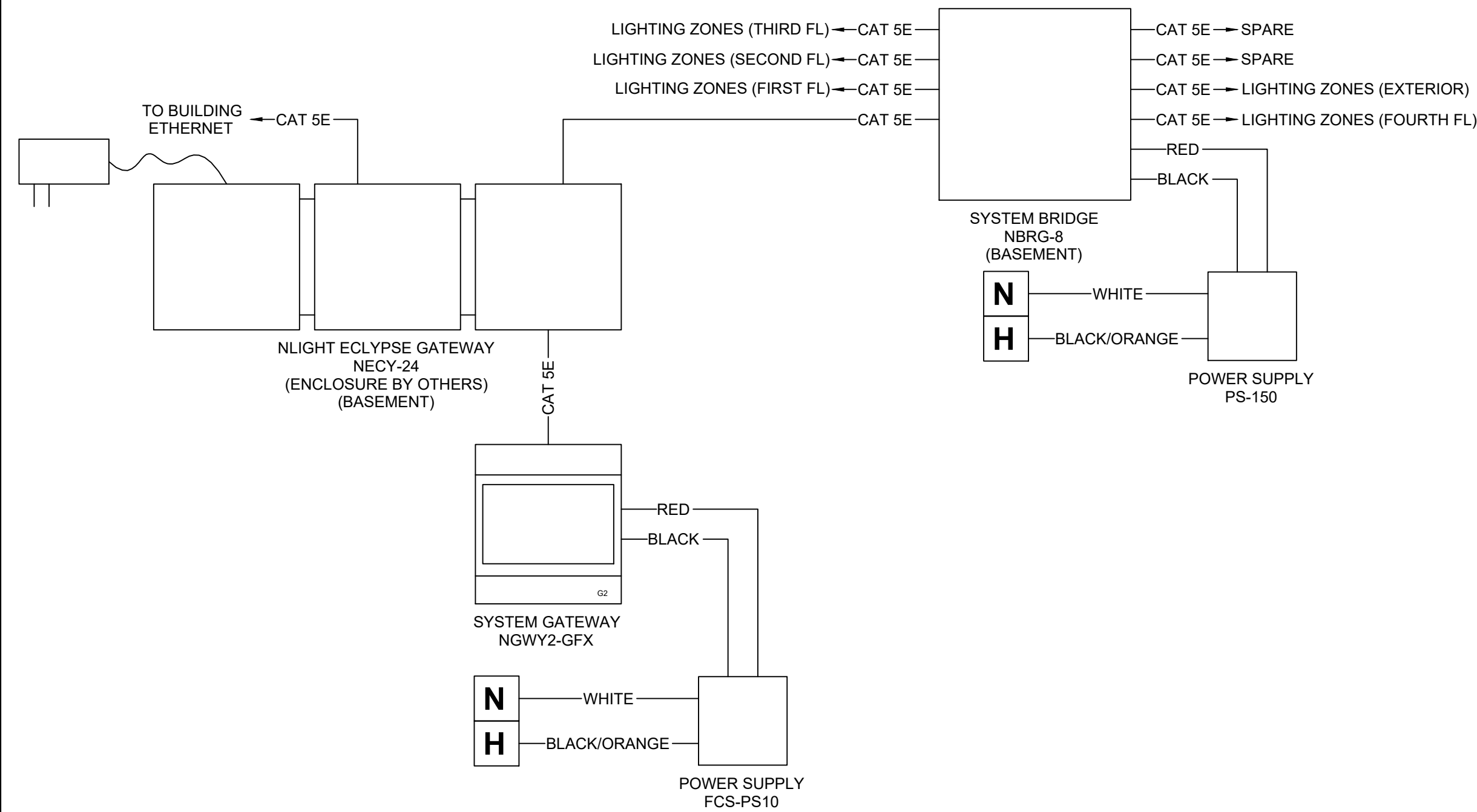
Electrical Details

scale	As Noted
date	December 3rd, 2023
no.	218
of.	233

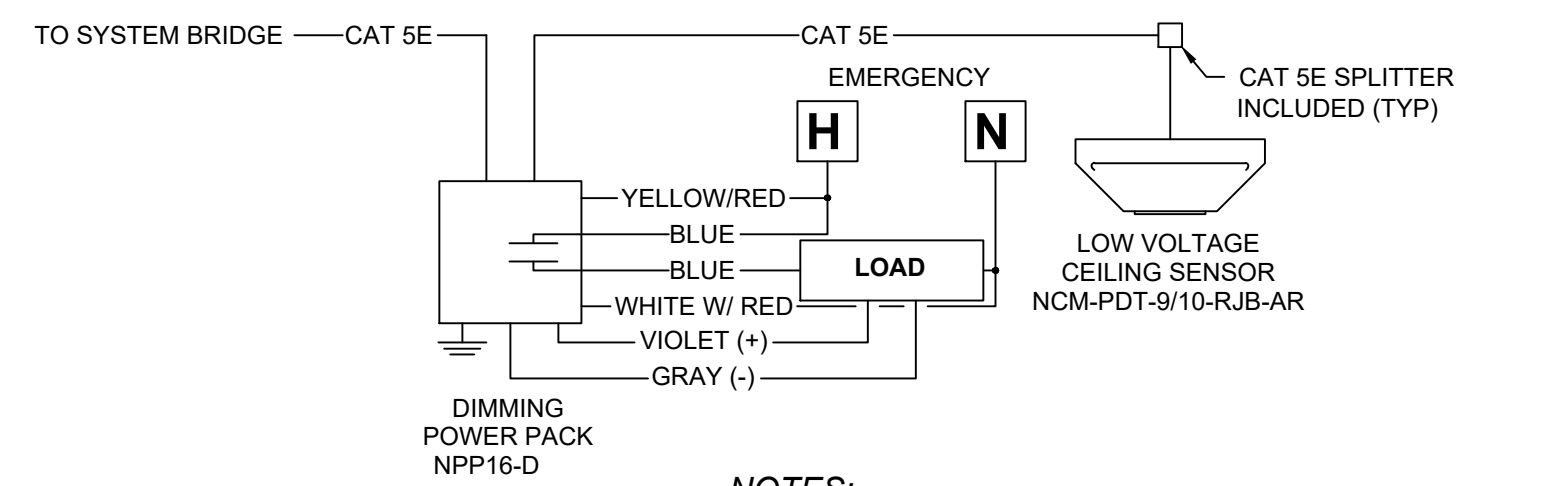
Sheet No.

E301

Project #2040

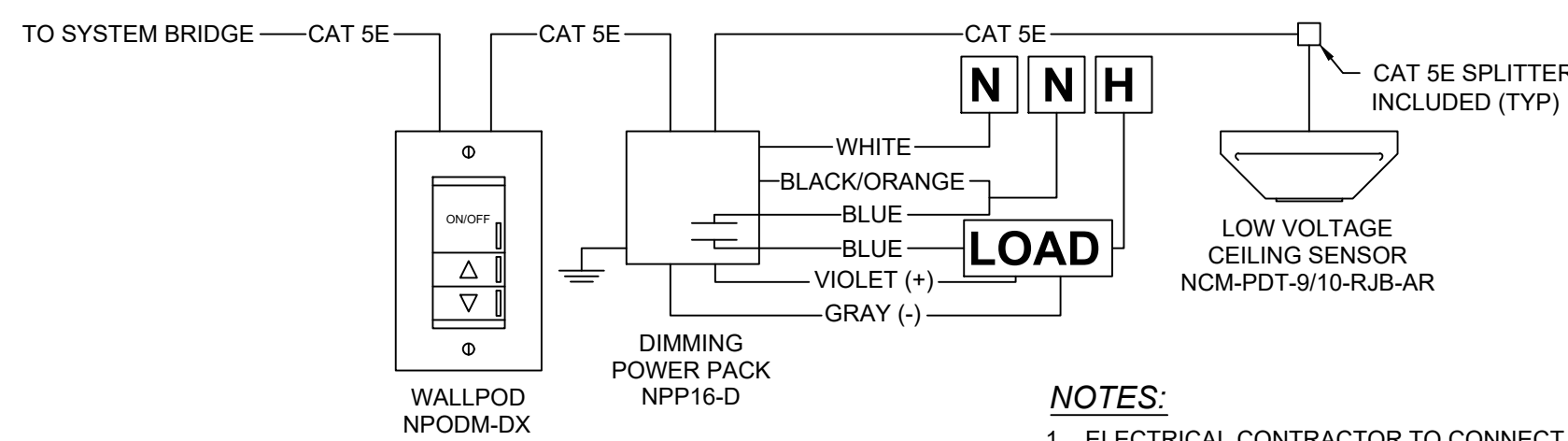


1 LIGHTING CONTROL SYSTEM NETWORK DETAIL
E303 NTS



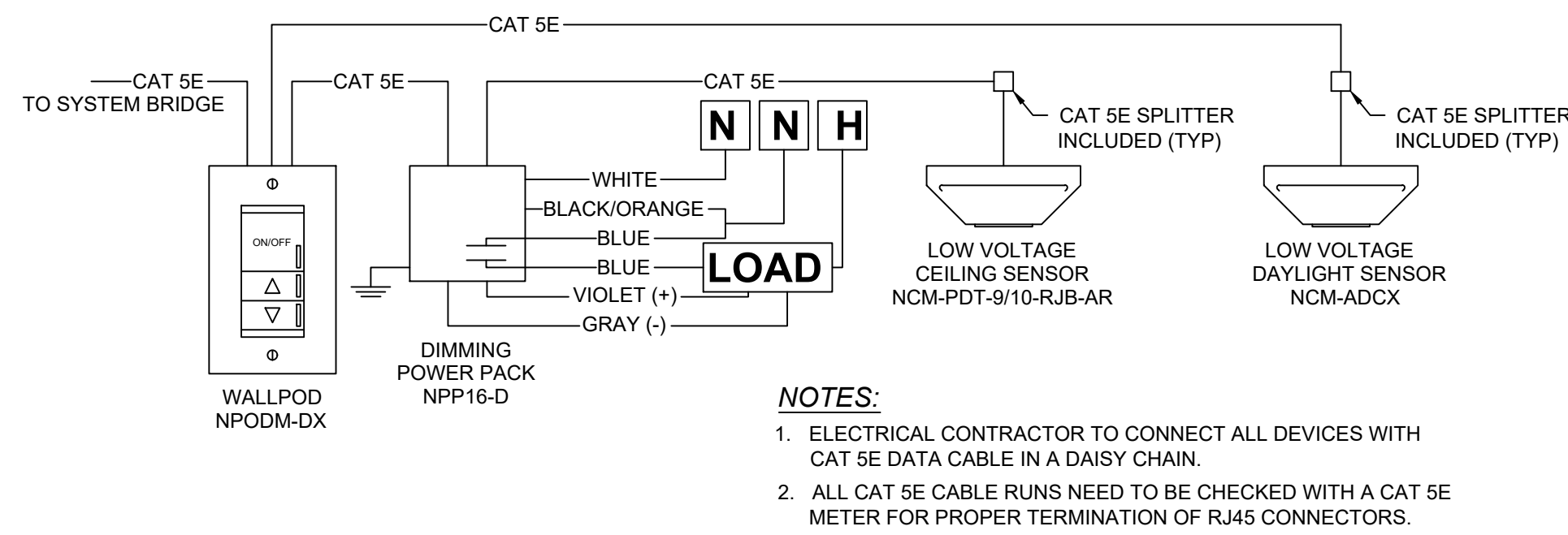
NOTES:
1. ELECTRICAL CONTRACTOR TO CONNECT ALL DEVICES WITH CAT 5E DATA CABLE IN A DAISY CHAIN.
2. ALL CAT 5E CABLE RUNS NEED TO BE CHECKED WITH A CAT 5E METER FOR PROPER TERMINATION OF RJ45 CONNECTORS.

2 SENSOR DETAIL
E303 NTS



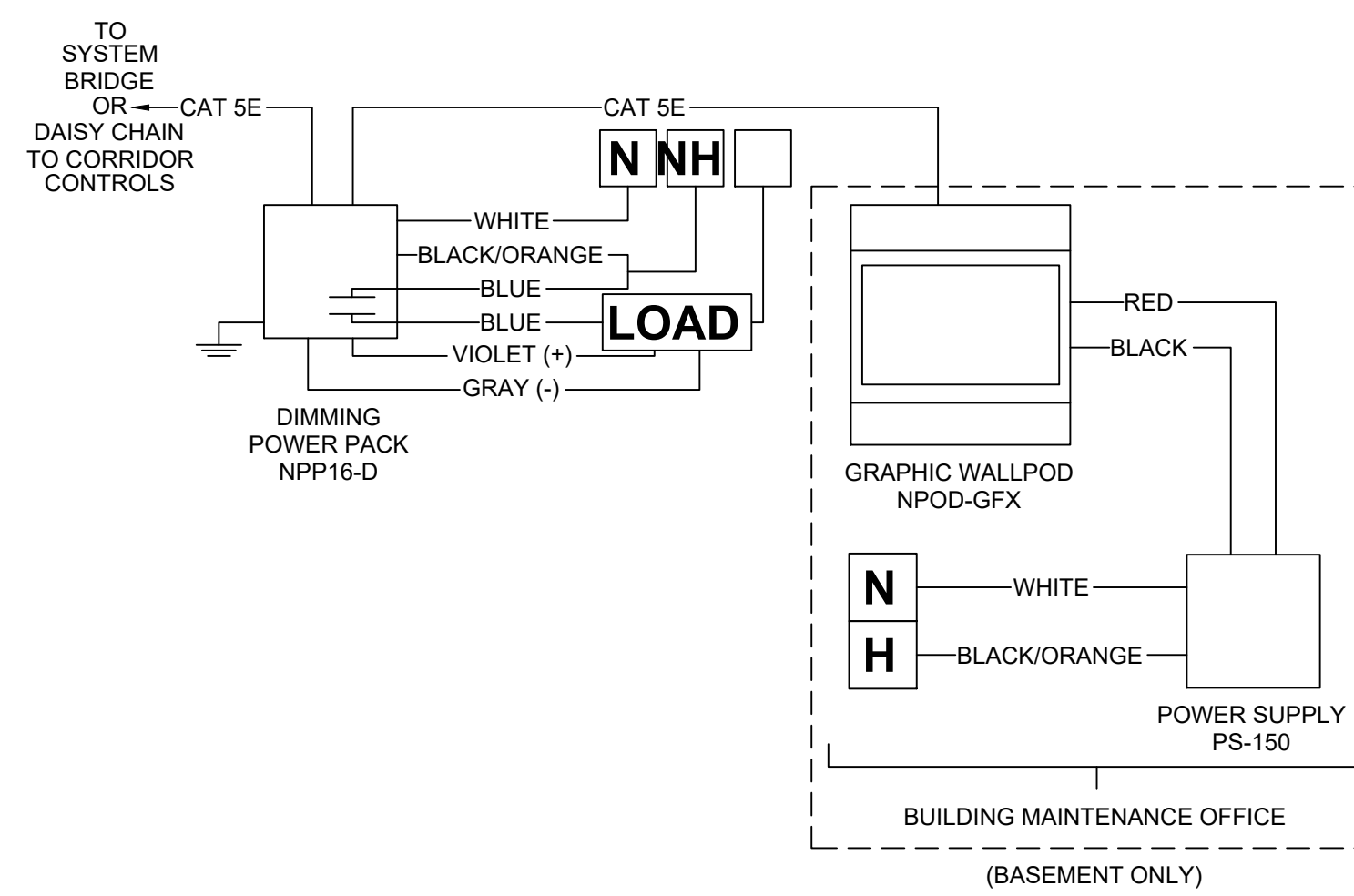
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3 DIMMING DETAIL
E303 NTS

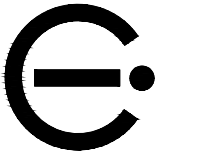


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4 DIMMING W/ DAYLIGHTING DETAIL
E303 NTS

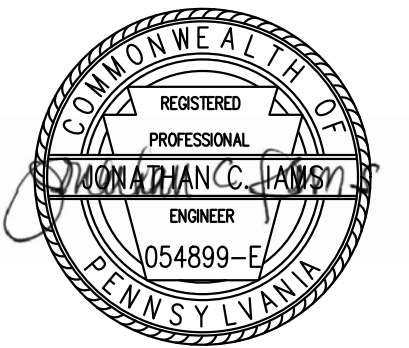


5 EXTERIOR LIGHTING CONTROL DETAIL
E303 NTS



Iams Consulting, LLC
ENGINEERING ENVIRONMENTS
807 James Street
Suite 301
Pittsburgh, PA 15212
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seal



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Owner:
HACP
200 Ross Street
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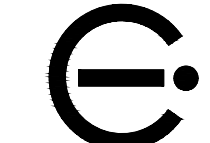
Client:
Allies & Ross Management and
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Project Location:
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246 Penfort Street
Pittsburgh, PA 15214

drawing title

Electrical Lighting Control
Diagrams

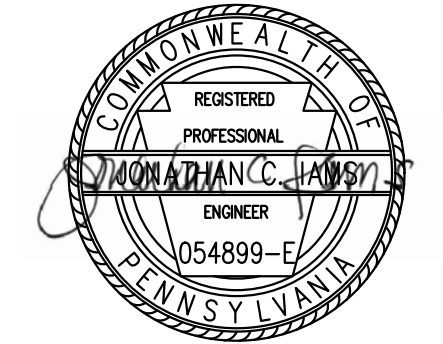
scale As Noted	Sheet No. E303 Project #2040
date December 3rd, 2023	
no. 220	of. 233



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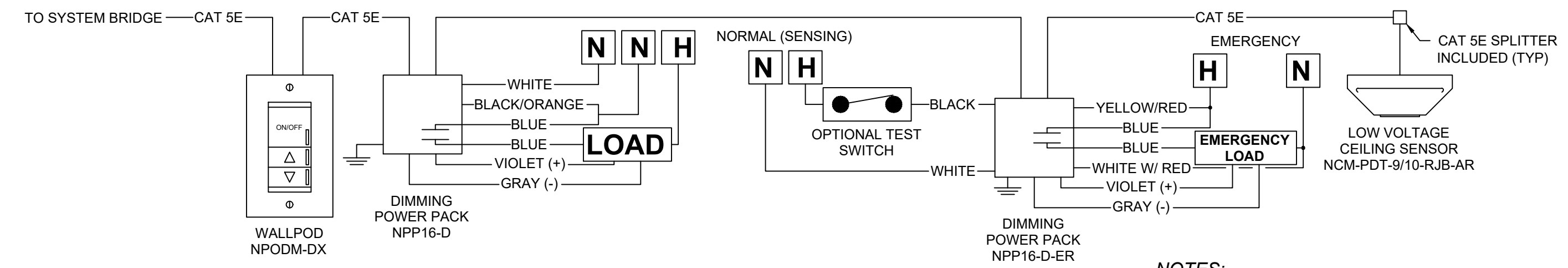
Electrical Lighting Control
Diagrams

scale	As Noted
date	December 3rd, 2023
no.	221
of.	233

Sheet No.

E304

Project #2040



5 DIMMING W/ EMERGENCY DETAIL

E304 NTS

NOTES:

- ELECTRICAL CONTRACTOR TO CONNECT ALL DEVICES WITH CAT 5E DATA CABLE IN A DAISY CHAIN.
- ALL CAT 5E CABLE RUNS NEED TO BE CHECKED WITH A CAT 5E METER FOR PROPER TERMINATION OF RJ45 CONNECTORS.

NOTES:

- EACH SYSTEM GATEWAY SCREEN, SYSTEM BRIDGE AND TOUCH SCREEN REQUIRE A DEDICATED 120 OR 277V CIRCUIT FOR POWER SUPPLY TRANSFORMERS. GATEWAY TOUCH SCREEN REQUIRE OUTLET FOR PLUG-IN TRANSFORMER.
- ELECTRICAL CONTRACTOR TO CONNECT ALL DEVICES WITH CAT 5E DATA CABLE IN A DAISY CHAIN, STARTING WITH THE SYSTEM GATEWAY THEN TO NEXT NEAREST SYSTEM BRIDGE AND SO ON.
- ALL CAT 5E CABLE RUNS NEED TO BE CHECKED WITH A CAT 5E METER FOR PROPER TERMINATION OF RJ45 CONNECTORS.
- SYSTEM BRIDGE CAN SUPPORT UP TO 128 DEVICES PER PORT.

LIGHTING SEQUENCE OF OPERATION:

LIGHTING CONTROL SYSTEM:

CORRIDORS:

ON 100% DURING HOURS DESIGNATED BY OWNER, FIXTURES SHALL DIM TO 50% DURING OVERNIGHT HOURS.

VESTIBULES:

ON 100% DURING HOURS DESIGNATED BY OWNER, FIXTURES SHALL DIM TO 50% DURING OVERNIGHT HOURS, ENERGIZE TO 100% UPON OCCUPANCY.

PUBLIC SPACES, (MULTIPURPOSE, COMM. ROOMS, ETC):
DIMMING WITH WALL POD.

STORAGE AND BACK OF HOUSE:
DIMMING WITH WALL POD.

PUBLIC BATHROOMS
DIMMING WITH WALL POD.

EXTERIOR LIGHTING:

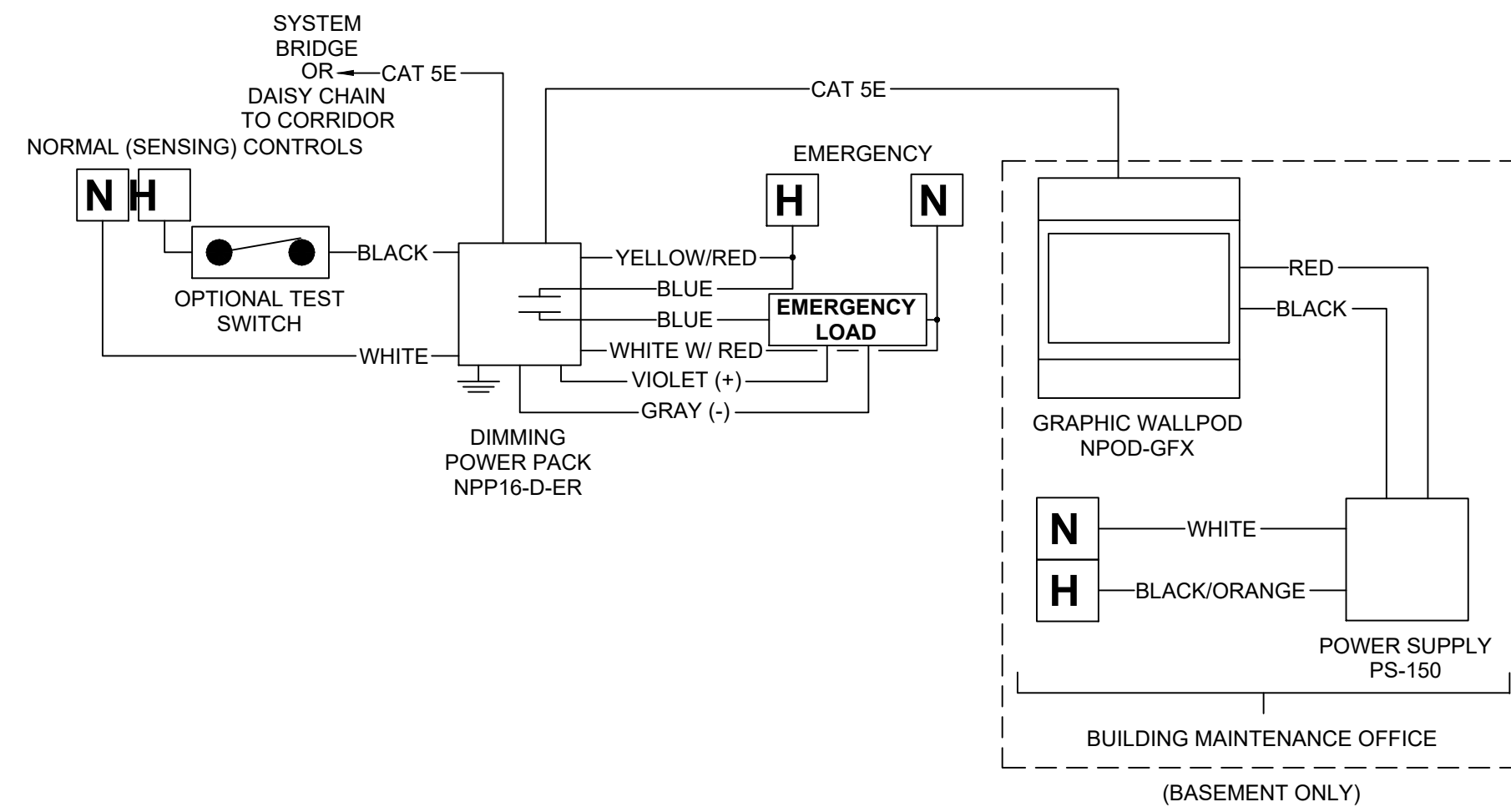
ON 100% DURING NIGHT HOURS DESIGNATED BY OWNER, FIXTURES SHALL SWITCH OFF DURING DAYLIGHT HOURS.

GAZEBO LIGHTING:

ON 100% DURING NIGHT HOURS DESIGNATED BY OWNER, FIXTURES SHALL SWITCH OFF DURING DAYLIGHT HOURS.

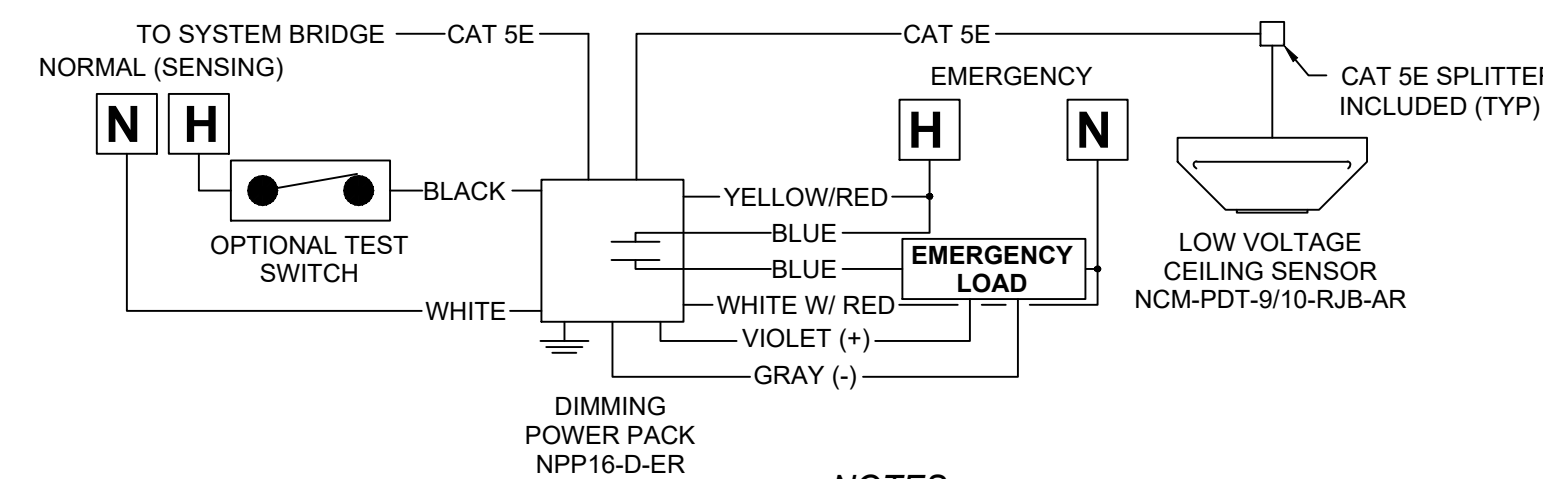
EMERGENCY LIGHTING:

ZONES DESIGNATED BY "E" ARE TO BE DERIVED VIA SEPARATE EMERGENCY POWER PACK, NORMAL OPERATION IS PER SEQUENCE OF OPERATION FOR ZONES, DURING EMERGENCY, THE ZONE RAMP TO 100% ON.



1 EXTERIOR LIGHTING W/ EMERGENCY DETAIL

E304 NTS

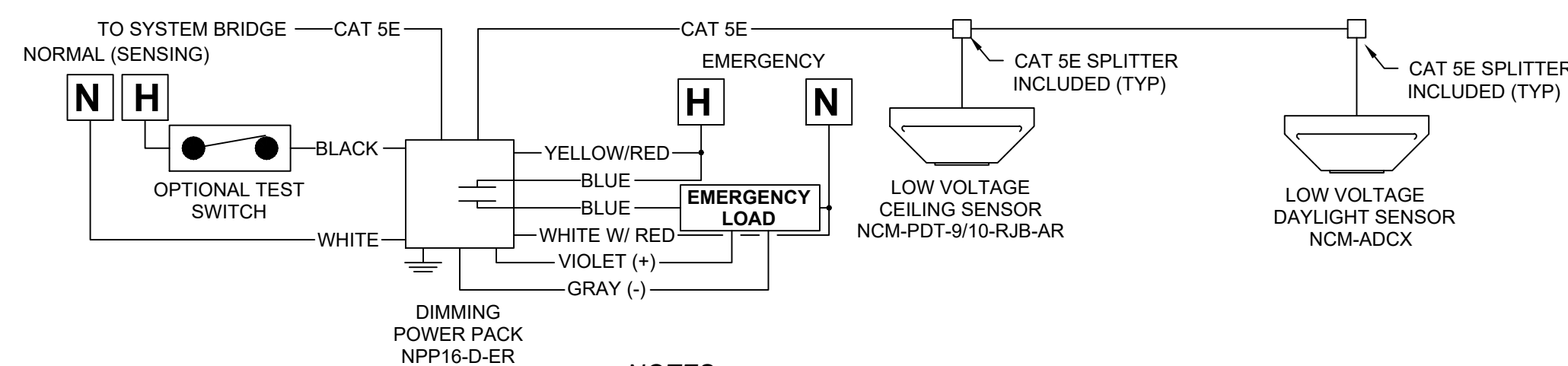


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2 SENSOR W/ EMERGENCY DETAIL

E304 NTS

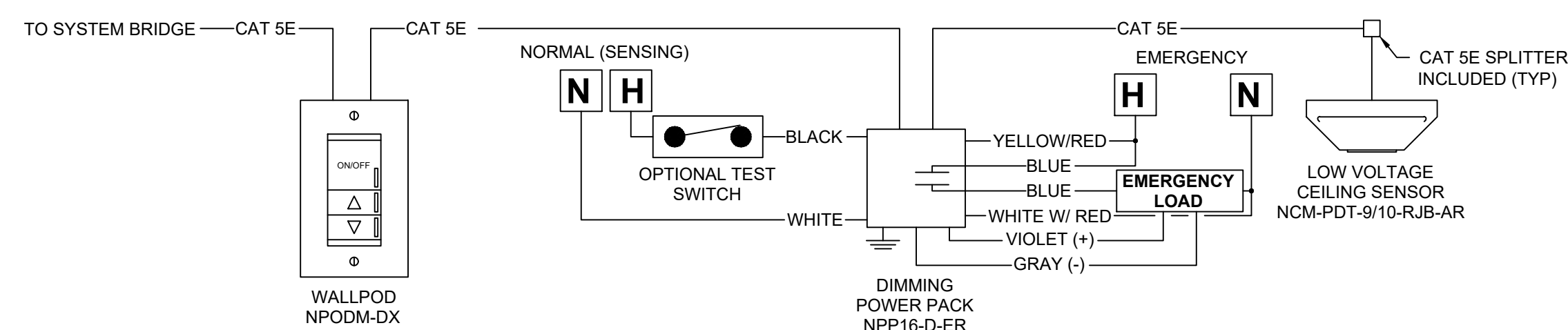


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3 SENSOR W/ EMERGENCY & DAYLIGHTING DETAIL

E304 NTS



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4 DIMMING W/ EMERGENCY DETAIL

E304 NTS

Fukui Architects Pc

205 Ross Street
Pittsburgh, Pennsylvania 15219
ph 412.281.6001 fx 412.281.6002

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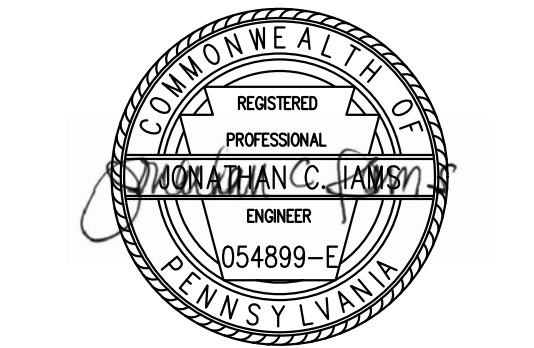
drawing title

Electrical Schedules

LIGHT FIXTURE SCHEDULE						
TYPE	MANUFACTURER	MODEL NUMBER	DESCRIPTION	VOLTS	LED WATTS	NOTES
A	JUNO	6RLS-G2-07LM-30K-90CRI-120-FRPC-WH	LED SURFACE MOUNT	120	10W	
B	LITHONIA	FMSATL16-208-30	LED FLUSH MOUNT	120	24W	
C	LITHONIA	FMVCSL-36IN-MVOLT-30K-90CRI-BN	VANITY LIGHT	120	34W	
D	LITHONIA	FMLWL-24840	2" LED WRAP FIXTURE	120	20W	
F	MAXIM	57664WTWT	11" FLUSH MOUNT FIXTURE	120	20W	
G	LITHONIA	ZL1D-L48-5000LM-FST-MVOLT-35K-80CRI-WH	LED STRIP FIXTURE	120	41W	
H	LUMINAIRE LIGHTING	TSL94-46"-50W-3500K-M7-120-CP-WHT-	STAIR LIGHTER WALL MOUNTED FIXTURE	120	50W	
J	JUNO	JSF-7IN10LM-35K-90CRI-MVOLTZT-WH	SURFACE MOUNT DOWNLIGHT	120	13W	
K	LUMMETA	SM5348-*-*-L418-120-LBY4	SURFACE MOUNT DRUM FIXTURE (* DENOTES PER ARCHITECT)	120	45W	
L	LITHONIA	DMW2-L24-4000LM-AFL-WD-MVOLT-GZ10-35K-80CRI	ENCLOSED GASKETED FIXTURE, ELEV. PIT	120	40W	
M	EUREKA	3300B-LED.1-35K-120-MG-SA	APARTMENT NUMBER WALL SCONCE	120	1W	
N	EUREKA	3430-LED-35-120V-DV-WH-	ELEVATOR LOBBY WALL SCONCE	120	10W	
P	LITHONIA	TWX1-P2-40K-MVOLT-	MECH. BALCONY SCONCE	120	15W	
R	MAXIM	65000FTO1	EXTERIOR WALL SCONCE	120	10W	
S	JUNO	JSF-7IN10LM-35K-90CRI-MVOLTZT-WH	LED SURFACE MOUNT EXTERIOR FIXTURE	120	13W	
T	LUMINAIRE LIGHTING	VFP4-4FT-NODIM-40W-40K-MVOLT-OPAL-BLK-WL-	LED SURFACE MOUNT STRIP, WET LOCATION	208	40W	
UC	LITHONIA	UCEL-24IN-30K-90CRI-	UNDERCABINET LIGHTS	120	12W	
EX	LITHONIA	EDG-1-RMR-	EDGE LIT EXIT SIGN	120		
SITE LIGHTING - FOR REFERENCE ONLY						
SL-WM#		SEE SITE ENGINEERING DOCUMENTS	WALL MOUNT FIXTURE	208	32W	
SL-P4#		SEE SITE ENGINEERING DOCUMENTS	POST MOUNT FIXTURE	208	38W	
SL-PT#		SEE SITE ENGINEERING DOCUMENTS	PARKING LOT FIXTURE	208	175W	
Bidding Notes:						
1. Lump sum bid shall include specified fixtures;						
2. A voluntary deduct alternate may be proposed during the bid period, it must be listed as an alternate with cutsheets of proposed equal fixtures provided with bid;						
3. Contractor shall include an additional 5% of each fixture for attic stock;						

LIGHTING CONTROL ZONES						
ZONE	CONTROL	LOCATION	LOAD	CIRCUIT	SENSING CIRCUIT	CONTROLS
Z1-1E	0-10	CORRIDOR	140	NEA-1	PP1-2	DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z1-2	0-10	CORRIDOR	180	PP1-2		DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z2-3	0-10	BIKE ROOM	41	PP1-2		DIMMING, OCC SENSOR
Z2-4	0-10	ELEVATOR SCONCE	20	PP1-2		DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z2-5	0-10	TRASH ROOM	41	PP1-2		DIMMING, OCC SENSOR
Z1-6	0-10	MECHANICAL RM	41	PP1-2		TIMER SWITCH
Z1-7E	SWITCH	RESTROOM	34	NEA-1	PP1-2	SWITCH, OCC SENSOR
Z1-8E	SWITCH	RESTROOM	34	NEA-1	PP1-2	SWITCH, OCC SENSOR
Z1-9E	SWITCH	RESTROOM	34	NEA-1	PP1-2	SWITCH, OCC SENSOR
Z1-10	0-10	OFFICE	52	PP1-2		DIMMING, OCC SENSOR
Z1-11	0-10	OFFICE	52	PP1-2		DIMMING, OCC SENSOR, DAYLIGHT SENSOR
Z1-12	0-10	OFFICE	20	PP1-2		DIMMING, OCC SENSOR, DAYLIGHT SENSOR
Z1-13E	0-10	VESTIBULE	26	NEA-1	PP1-2	OCC SENSOR, DAYLIGHT SENSOR, TIMECLOCK
Z1-14	0-10	COMMUNITY ROOM	90	NEA-7	PP1-2	DIMMING, OCC SENSOR
Z1-15	0-10	COMMUNITY ROOM	104	NEA-7	PP1-2	DIMMING, OCC SENSOR
Z1-16E	0-10	COMMUNITY ROOM	91	NEA-7	PP1-2	DIMMING, OCC SENSOR
Z1-17	0-10	COMMUNITY ROOM	52	NEA-7	PP1-2	DIMMING, OCC SENSOR, DAYLIGHT SENSOR
Z1-18	0-10	MULTIPURPOSE ROOM	26	PP1-2		DIMMING, OCC SENSOR, DAYLIGHT SENSOR
Z1-19	0-10	MULTIPURPOSE ROOM	52	PP1-2		DIMMING, OCC SENSOR
Z1-20E	0-10	MULTIPURPOSE ROOM	65	NEA-1	PP1-2	DIMMING, OCC SENSOR
Z1-21	0-10	FACILITY ROOM	164	PP1-2		DIMMING, OCC SENSOR
Z1-22	0-10	COMPUTER RM	52	PP1-2		DIMMING, OCC SENSOR
Z1-23	0-10	TRASH ROOM	82	PP1-2		DIMMING, OCC SENSOR
Z1-24	SWITCH	ELECTRICAL ROOM	205	NEA-1	PP1-40	TIMER SWITCH
Z1-25	SWITCH	WATER ROOM	42	PP1-40		TIMER SWITCH
Z1-26	SWITCH	SCONCE APT DOOR	3	PP1-2		TIMECLOCK
Z1-27E	SWITCH	EXTERIOR SCONCES	180	NEA-6	PP1-40	TIMECLOCK
Z1-28E	SWITCH	EXTERIOR DOWNLIGHT	26	NEA-6	PP1-40	TIMECLOCK
Z1-29E	SWITCH	EXTERIOR DOWNLIGHT	91	NEA-6	PP1-40	TIMECLOCK
Z2-1E	0-10	CORRIDOR	220	NEA-2	PP1-4	DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z2-2	0-10	CORRIDOR	220	PP1-4		DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z2-3	SWITCH	SCONCE APT DOOR	14	PP1-4		TIMECLOCK
Z2-4	0-10	ELEVATOR SCONCE	20	PP1-4		DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z2-5	0-10	TRASH ROOM	41	PP1-4		DIMMING, OCC SENSOR
Z2-6	0-10	MECHANICAL RM	41	PP1-4		TIMER SWITCH
Z3-1E	0-10	CORRIDOR	220	NEA-3	PP4-2	DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z3-2	0-10	CORRIDOR	220	PP4-2		DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z3-3	SWITCH	SCONCE APT DOOR	14	PP4-2		TIMECLOCK
Z3-4	0-10	ELEVATOR SCONCE	20	PP4-2		DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z3-5	0-10	TRASH ROOM	41	PP4-2		DIMMING, OCC SENSOR
Z3-6	0-10	MECHANICAL RM	41	PP4-2		TIMER SWITCH
Z4-1E	0-10	CORRIDOR	220	NEA-4	PP4-4	DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z4-2	0-10	CORRIDOR	220	PP4-4		DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z4-3	SWITCH	SCONCE APT DOOR	14	PP4-4		TIMECLOCK
Z4-4	0-10	ELEVATOR SCONCE	20	PP4-4		DIMMING, TIMECLOCK, OCC SENSOR OVERRIDE
Z4-5	0-10	TRASH ROOM	41	PP4-4		DIMMING, OCC SENSOR
Z4-6	0-10	MECHANICAL RM	41	PP4-4		TIMER SWITCH
Z4-7	0-10	LAUNDRY RM	164	PP4-4		DIMMING, OCC SENSOR
Z4-8	SWITCH	MECH. ROOF DECK	30	PP4-4		SWITCH, TIMECLOCK
Z4-9	0-10	COMMUNITY ROOM	40	PP4-4		DIMMING, DAYLIGHT DIMMING, OCC SENSOR
Z4-10E	0-10	COMMUNITY ROOM	40	NEA-4	PP4-4	DIMMING, DAYLIGHT DIMMING, OCC SENSOR
Z4-11	SWITCH	COMMUNITY ROOF DECK	30	PP4-4		SWITCH, TIMECLOCK
Z-SL-1	SWITCH	LOT LIGHTING	175	PP1-43,45		TIMECLOCK
Z-SL-2	SWITCH	FRONT POST LIGHTING	228	PP1-43,45		TIMECLOCK
Z-SL-3	SWITCH	LOT LIGHTING	350	PP1-43,45		TIMECLOCK
Z-SL-4	SWITCH	REAR POST LIGHTING	195	PP1-43,45		TIMECLOCK
Z-SL-5	SWITCH	WALL MOUNT LIGHTING	192	PP1-43,45		TIMECLOCK
Z-SL-6	SWITCH	GAZEBO LIGHTING	120	PP1-43,45		TIMECLOCK, OCCUPANCY SENSOR OVERIDE

scale As Noted	Sheet No. E400 Project #2040
date December 3rd, 2023	
no. 222	of. 233



PANEL 'MDP'											
VOLTAGE: 120/208 VOLTS 3 PHASE 4 WIRE					MAINS: 1200 AMP MAIN LUGS						
MOUNTING: SURFACE					MAIN BKR: 1200 AMP MB						
LOCATION: SURFACE					FED. FROM: SERVICE						
AIC RATING: 22KA											
CIRCUIT USE	BKR. SIZE	LOAD WATTS				LOAD WATTS			BKR. SIZE	CIRCUIT USE	
WATER HEATER	75A	A Ø	B Ø	C Ø	1	2	5550	B Ø	C Ø	75A	WATER HEATER
SPARE	20A				3	4				20A	SPARE
ATS-1	60A	1360	880	1100	7	8	22200	1000	1200	400A	ATS-2
PANEL PP1	200A	9110	7830	9800	11	12	10280	9040	9200	150A	PANEL PP4
PANEL MP1	200A	16640	10850	14650	19	20	36200	35250	36850	400A	PANEL MP4
COMPACTOR	50A	2050	2050	2050	23	24	5750	5750	5750	60A	EV CHARGING STATION
SPARE	100A	0	0	0	31	32	5750	5550	5500	60A	EV CHARGING STATION
SPARE	100A	0	0	0	33	34				75A	WATER HEATER
SPARE	100A	0	0	0	37	38	0	0	0	20A	SPARE
SPARE	100A	0	0	0	41	42				20A	SPARE
		CONN.	RECEPT.	RECEPT, DIVERSIFIED	TOTAL DIV. LOAD		SPARE	TOTAL			
A		110280	0	0	110280	0	0	110280			
B		110100	0	0	110100	0	0	110100			
C		82900	0	0	82900	0	0	82900			
TOTAL		303280	0	0	303280	0	0	303280			

PANEL 'PP1'											
VOLTAGE: 120/208 VOLTS 3 PHASE 4 WIRE					MAINS: 200 AMP MAIN LUGS						
MOUNTING: SURFACE					MAIN BKR: 200 AMP MB						
LOCATION: ELECTRICAL ROOM					FED. FROM: MDP						
CIRCUIT USE	BKR. SIZE	LOAD WATTS				LOAD WATTS			BKR. SIZE	CIRCUIT USE	
1ST FLR RECEPTACLES	20A	A Ø	B Ø	C Ø	1	2	1200	B Ø	C Ø	20A	1 FLR LIGHTING
1ST FLR RECEPTACLES	20A				3	4	1000			20A	2 FLR LIGHTING
1ST FLR RECEPTACLES	20A				5	6	1000			20A	2 FLR RECEPTACLES
1ST FLR RECEPTACLES	20A	600	400	400	7	8	400	400	400	20A	2 FLR RECEPTACLES
1ST FLR RECEPTACLES	20A				9	10	400	400	400	20A	2 FLR RECEPTACLES
1ST FLR RECEPTACLES	20A				11	12	1000	1000	1000	20A	GEN BATTERY CHARGER
1ST FLR RECEPTACLES	20A	400			13	14	1000			20A	GEN BLOCK HEATER
1ST FLR RECEPTACLES	20A				15	16	1200			20A	RECEPTACLES
1ST FLR RECEPTACLES	20A				17	18	800	0	0	20A	SPARE
1ST FLR RECEPTACLES	20A	800	1000	21	20	0	0	0	0	20A	SPARE
1ST FLR EXTERIOR RECEPTACLES	20A				22	23	1000	600	600	20A	1ST FLR RECEPTACLES
1ST FLR RECEPTACLES	20A	600	400	25	24	400	600	20A	1TB RECEPTACLE		
1ST FLR RECEPTACLES	20A				26	27	400	400	400	20A	CATV RECEPTACLE
1ST FLR RECEPTACLES	20A				28	29	600	600	600	20A	ELEV PIT RECEPTACLES
1ST FLR RECEPTACLES	20A	600	600	600	29	30	1000	600	600	20A	ELEV PIT SUMP PUMP
1ST FLR RECEPTACLES	20A				31	32	600	600	600	20A	ELEV PIT SUMP PUMP
1ST FLR RECEPTACLES	20A				33	34	600	600	600	20A	ELEV PIT SUMP PUMP
1ST FLR EXTERIOR RECEPTACLES	20A				35	36	1000	35	35	20A	ELEV PIT SUMP PUMP
ELEV PIT LIGHTING	20A	240	0	37	38	0	800	20A	SPARE		
SPARE	20A	0	0	39	40	0	800	20A	FIRST FLOOR LIGHTING		
SPARE	20A	0	0	41	42	0	0	20A	SPARE		
SPARE	20A	630	0	43	44	0	0	20A	SPARE		
SITE LIGHTING	20A				45	46	0	0	20A	SPARE	
FUTURE SITE POWER	20A				47	48	1000	47	47	20A	SPARE
SPARE	20A	0	0	49	50	0	0	20A	SPARE		
SPARE	20A	0	0	51	52	0	0	20A	SPARE		
SPARE	20A	0	0	53	54	0	0	20A	SPARE		
SPARE	20A	0	0	55	56	0	0	20A	SPARE		
SPARE	20A	0	0	57	58	0	0	20A	SPARE		
SPARE	20A	0	0	59	60	0	0	20A	SPARE		
		CONN.	RECEPT.	RECEPT, DIVERSIFIED	TOTAL DIV. LOAD		SPARE	TOTAL			
A		9110	0	0	9110	0	0	9110			
B		7830	0	0	7830	0	0	7830			
C		9800	0	0	9800	0	0	9800			
TOTAL		26740	0	0	26740	0	0	26740			

PANEL 'NEA'											
VOLTAGE: 120/208 VOLTS 3 PHASE 4 WIRE					MAINS: 60 AMP MAIN LUGS						
MOUNTING: SURFACE					MAIN BKR: 60 AMP MB						
LOCATION: ELECTRICAL ROOM					FED. FROM: ATS-1						
CIRCUIT USE	BKR. SIZE	LOAD WATTS				LOAD WATTS			BKR. SIZE	CIRCUIT USE	
1ST FLOOR LIGHTING	20A	A Ø	B Ø	C Ø	1	2	220	B Ø	C Ø	20A	2ND FLOOR LIGHTING
3RD FLOOR LIGHTING	20A				3	4	260			20A	4TH FLOOR LIGHTING
STAIR LIGHTING	20A				5	6	300			20A	EXTERIOR LIGHTING
COMMUNITY ROOM LIGHTING	20A	340	400	7	8	0	0	20A	SPARE		
ELEV CAB LIGHTS	20A				9	10	0	0	20A	SPARE	
SPARE	20A	0	0	11	12	0	0	20A	SPARE		
SPARE	20A	0	0	13	14	0	0	20A	SPARE		
SPARE	20A	0	0	15	16	0	0	20A	SPARE		
SPARE	20A	0	0	17	18	0	0	20A	SPARE		
SPARE	20A	0	0	19	20	0	0	20A	SPARE		
SPARE	20A	0	0	21	22	0	0	20A	SPARE		
SPARE	20A	0	0	23	24	0	0	20A	SPARE		
		CONN.	RECEPT.	RECEPT, DIVERSIFIED	TOTAL DIV. LOAD		SPARE	TOTAL			
A		1340	0	0	1340	0	0	1340			
B		680	0	0	680	0	0	680			
C		1100	0	0	1100	0	0	1100			
TOTAL		3340	0	0	3340	0	0	3340			

PANEL 'MP1'											
VOLTAGE: 120/208 VOLTS 3 PHASE 4 WIRE					MAINS: 200 AMP MAIN LUGS						
MOUNTING: SURFACE					MAIN BKR: 200 AMP MB						
LOCATION: ELECTRICAL ROOM					FED. FROM: MDP						
CIRCUIT USE	BKR. SIZE	LOAD WATTS				LOAD WATTS			BKR. SIZE	CIRCUIT USE	
1ST FLR AHUS	20A	A Ø	B Ø	C Ø	1	2	1050	B Ø	C Ø	15A	2ND FLR AHU
1ST FLR AHUS	20A				3	4	1050			15A	2ND FLR AHU
1ST FLR AHUS	20A				5	6	1050	350	350	15A	2ND FLR AHU
1ST FLR AHUS	20A	1050	1050	7	8	350	200	15A	2ND FLR AHU		
1ST FLR AHUS	20A				9	10	1050	11	11	15A	2ND FLR AHU
1ST FLR TRASH EX FANS	20A	400			13	14	400			20A	2 FLR DAMPERS
1ST FLR DAMPERS	20A				15	16	600	100	100	20A	2 FLR EX.FAN
1ST FLR BATHROOM EX FANS	20A				17	18	400	17	17	20A	1ST FLR UNIT HEATER
1ST FLR ELEC HEATER	20A	1500	1500	19	20	1500	1500	20A	1ST FLR UNIT HEATER		
1ST FLR ELEC HEATER	20A	1500	1500	23	24	1500	1500	20A	1ST FLR UNIT HEATER		
1ST FLR ELEC HEATER	20A	1500	1500	25	26	1500	1500	20A	1ST FLR UNIT HEATER		
1ST FLR ELEC HEATER	20A	1500	1500	27	28	1500	1500	20A	1ST FLR UNIT HEATER		
1ST FLR ELEC HEATER	20A	1500	1500	29	30	1500	5000	60A	1ST FLR UNIT HEATER		
1ST FLR ELEC HEATER	20A	1500	1500	31	32	5000	0	20A	SPARE		
1ST FLR DAMPERS	20A				33	34	600	35	35	20A	SPARE
EX FAN	20A	900	0	37	38	0	0	20A	SPARE		
SPARE	20A	0	0	39	40	0	0	20A	SPARE		
SPARE	20A	0	0	41	42	0	0	20A	SPARE		
		CONN.	RECEPT.	RECEPT, DIVERSIFIED	TOTAL DIV. LOAD		SPARE	TOTAL			
A		16640	0	0	16640	0	0	16640			
B		10850	0	0	10850	0	0	10850			
C		14650	0	0	14650	0	0	14650			
TOTAL		42140	0	0	42140	0	0	42140			

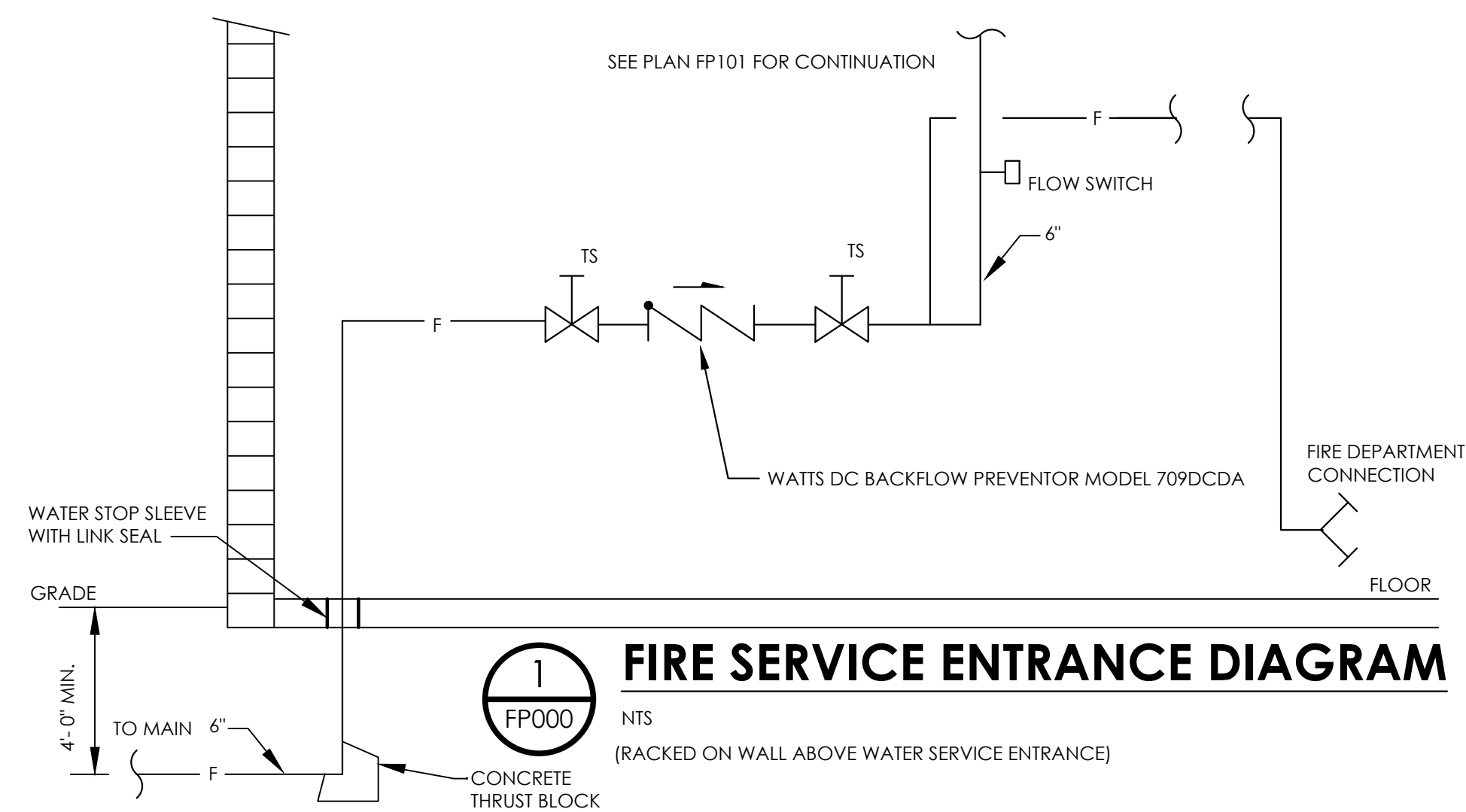
PANEL 'NEB'											
VOLTAGE: 120/208 VOLTS 3 PHASE 4 WIRE					MAINS: 60 AMP MAIN LUGS						
MOUNTING: SURFACE					MAIN BKR: 60 AMP MB						
LOCATION: ELECTRICAL ROOM					FED. FROM: ATS-2						
CIRCUIT USE	BKR. SIZE	LOAD WATTS				LOAD WATTS			BKR. SIZE	CIRCUIT USE	
COMM. RM RECEPTACLES	20A	A Ø	B Ø	C Ø	1	2	1000	B Ø	C Ø	20A	SECURITY FRONT END
COMM. RM RECEPTACLES	20A				3	4	1000			20A	INTERCOM
COMM. RM RECEPTACLES	20A				5	6	1000	1200	20A	FIRE ALARM CONTROL PANEL	
COMM. RM RECEPTACLES	20A	600	400	7	8	1000	20A	RESCUE ASSISTANCE PANEL			
COMM. RM RECEPTACLES	20A				9	10	1000	1000	20A	DISHWASHER	
COMM. RM RECEPTACLES	20A				11	12	600	0	20A	SPARE	
SPARE	20A	0	0	13	14	0	0	20A	SPARE		
SPARE	20A	0	0	15	16	0	0	20A	SPARE		
SPARE	20A	0	0	17	18	0	0	20A	SPARE		
SPARE	20A	0	0	19	20	0	0	20A	SPARE		
SPARE	20A	0	0	21	22	0	0	20A	SPARE		
SPARE	20A	0	0	23	24	0	0	20A	SPARE		
		CONN.	RECEPT.	RECEPT, DIVERSIFIED	TOTAL DIV. LOAD		SPARE	TOTAL			
A		3400	0	0	3400	0	0	3400			
B		4000	0	0	4000	0	0	4000			
C		2200	0	0	2200	0	0	2200			
TOTAL		9600	0	0	9600	0	0	9600			

TYPICAL APARTMENT TYPE '1*' PANEL 'P(X)'										
VOLTAGE: 120/208, 1Ø, 3WIRE					MAINS: 125 AMP MAIN LUGS					
MOUNTING: RECESSED					MAIN BKR: 125 AMP MAIN BREAKER					
LOCATION: APARTMENT					FED. FROM: SERVICE METER CENTER					
MOUNTING HEIGHT: 48" MAX AFF TO TOP BREAKER										
CIRCUIT USE	BKR. SIZE	LOAD WATTS				LOAD WATTS			BKR. SIZE	CIRCUIT USE
KITCHEN COUNTER RECEPTACLES										

FIRE PROTECTION SYMBOLS AND LEGEND					
DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION
BACK FLOW PREVENTER		BFP	METER		M
BALL VALVE		BV	MINIMUM		MIN
BALANCING VALVE		BV	MOP BASIN		MB
BATH TUB/ HANDICAP BATH TUB		BT/HBT	PENDENT SPRINKLER HEAD		
BRITISH THERMAL UNIT		BTU	PIPE TEE DOWN		
BUTTERFLY VALVE		BTV	PIPE DOWN		
CAPPED PIPE		CAP	PIPE UP		
CONCENTRIC REDUCER			PRESSURE GAUGE		
CONNECT TO EXISTING		CTE	PRESSURE REDUCING VALVE		PRV
CONTINUATION		CONT	POUNDS PER SQUARE INCH		PSI
CHECK VALVE		CV	PUMP		PUMP
DOMESTIC HOT WATER		HW	SCHEDULE		SCHED
DOMESTIC WATER HEATER		DWH	SIDEWALL SPRINKLER HEAD		
ELEVATION		EL	SINGLE HOSE CONNECTION		
FINISHED FLOOD		FF	SLOPE		SL
FIRE DEPARTMENT CONNECTION		FDC	SPRINKLER LINE		SPR
FIRE PROTECTION		FP	STAND PIPE RISER		STR
FIRE WATER MAIN		F	STRAINER		
FLOOR DRAIN		FD	TAMPER SWITCH		TS
FLOW SWITCH		FS	UNION CONNECTION		UC
FOOT/FEET		FT	NOT TO SCALE	N.T.S.	NTS
GATE VALVE		GTV	RECESSED SPRINKLER HEAD		
INDIRECT CONNECTION		IC	REFERENCE		REF
KEYED NOTE			UPRIGHT SPRINKLER HEAD		
MAXIMUM		MAX	VERTICAL VALVE		VV

FIRE PROTECTION NOTES:

- THE PROJECT SHALL CONSIST OF THE INSTALLATION OF A NEW SPRINKLER SYSTEM THROUGHOUT AN EXISTING BUILDING.
- THE LIGHT HAZARD WET SPRINKLER SYSTEM SHALL COMPLY WITH NFPA 13, 2013 ed., THE COMMONWEALTH OF PENNSYLVANIA BUILDING, MECHANICAL, AND FIRE PREVENTION CODES, OWNER'S INSURANCE CARRIER REQUIREMENTS, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND FEDERAL CODES AND AGENCIES HAVING JURISDICTION.
- THE WET STANDPIPE SYSTEM FOR THIS BUILDING SHALL COMPLY WITH NFPA 14, 2013 ed., AND THE COMMONWEALTH OF PENNSYLVANIA BUILDING, MECHANICAL, AND FIRE PREVENTION CODES, OWNER'S INSURANCE CARRIER REQUIREMENTS, AND ALL OTHER APPLICABLE CITY, COUNTY, STATE, AND FEDERAL CODES AND AGENCIES HAVING JURISDICTION.
- WHERE PERMITTED BY CODE, ORDINANCE, AND/OR THE AUTHORITY HAVING JURISDICTION, THE STANDPIPE SYSTEM SHALL BE COMBINED WITH THE SPRINKLER SYSTEM PER IFC CHAPTER 9, SECTION 905.6.
- THE SYSTEM SHALL BE TESTED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS AND CONTRACT SPECIFICATIONS. THE SYSTEM SHALL BE TESTED AND APPROVED BY THE LOCAL FIRE CODE OFFICIAL OR THEIR DESIGNEE. CERTIFICATION OF THE SYSTEM MUST BE PRESENTED TO THE OWNER AND THE OWNER'S INSURANCE AGENCY.
- SYSTEMS MUST BE ARRANGED IN SUCH A MANNER THAT NO EXPOSED PIPES MAY APPEAR IN ANY FINISHED AREAS AND NO TEST OR DRAIN COCKS MAY BE LOCATED IN FINISHED AREAS.
- A SET OF TWELVE (12) EXTRA SPRINKLER HEADS OF DIFFERENT TEMPERATURE RATINGS, AS USED IN THE PREMISES, TOGETHER WITH REPLACING TOOL SHALL BE LEFT IN A SPECIAL CABINET FOR EMERGENCY REPLACEMENTS AS PER NFPA 13, 2013 ed.
- WHERE APPLICABLE, SEISMIC RESTRAINTS SHALL BE USED TO SUPPORT SYSTEM PIPING IN ACCORDANCE WITH ALL AGENCIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS. FILING FOR PERMITS FOR SPRINKLER WORK AS WELL AS PAYMENT OF ALL APPLICABLE FEES AND PREPARATION OF ALL SHOP DRAWINGS REQUIRED FOR FILING PLANS AND PERMITS SHALL BE PERFORMED BY THIS CONTRACTOR AS PART OF THE WORK SCOPE. THE CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF PENNSYLVANIA. COPIES OF ALL EXECUTED PERMITS AND DRAWINGS SHALL BE FORWARDED TO THE OWNER FOR RECORD.
- THE CONTRACTOR SHALL NOTIFY LOCAL AUTHORITIES IN REGARD TO SYSTEM SHUT-DOWN AND START-UP AND SHALL CONFIRM THAT SYSTEMS HAVE BEEN REFILLED AND ARE OPERATIONAL INCLUDING SYSTEM ALARMS EACH WORKING DAY.
- ALL WORK SHOWN IS A DIAGRAMMATIC REPRESENTATION OF DESIGN INTENT AND CONDITIONS REASONABLY INTERPRETED FROM THE EXISTING VISIBLE CONDITIONS AND/OR DRAWINGS AND INFORMATION PROVIDED BY THE OWNER, BUT CANNOT BE GUARANTEED BY THE ENGINEER.
- BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL CONDUCT AN ON SITE INSPECTION TO VERIFY EXISTING CONDITIONS. THIS INCLUDES DEPTH OF ALL BELOW GRADE PIPING, THE LOCATION AND SIZE OF ALL UTILITIES. COORDINATION WITH EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES, IS REQUIRED AND SHALL BE PROVIDED AT NO ADDITIONAL COST. ANY MAJOR DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
- THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE WORK OF OTHER TRADES, REQUIREMENTS OF ARCHITECT, ENGINEER, OWNER, LOCAL AUTHORITIES AND/OR BUILDING MANAGEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNION AND EQUAL OPPORTUNITY STANDARDS OR REQUIREMENTS WHERE APPLICABLE.
- THE CONTRACTOR'S PRICE SHALL INCLUDE ALL HANGERS, INSERTS, COUPLINGS, TESTING, TOOLS, SUPERVISION, LABOR, COORDINATION, MATERIALS, EQUIPMENT, REMOVALS, CAPPING, PATCHING, DISPOSAL AND OTHER NECESSARY ITEMS TO PROVIDE THE SPRINKLER INSTALLATION.
- MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR THE PROPER AND ACCEPTABLE CONSTRUCTION, INSTALLATION, OR OPERATION OF ANY PART OF THE WORK AS DETERMINED BY THE ENGINEER SHALL BE INCLUDED IN THE WORK AS IF IT WERE SPECIFIED OR INDICATED IN THE DRAWINGS.
- WHERE PERMITTED BY THE CODE, ORDINANCE, AND/OR THE AUTHORITY HAVING JURISDICTION, THE USE OF APPROVED CPVC FIRE SPRINKLER PIPE IS INCLUDED.
- CONCEALED PIPING SHALL BE INSPECTED BEFORE COVERING.
- ALL SPRINKLER HEADS SHALL BE INSTALLED CENTERED IN CEILING TILES IN BOTH DIRECTIONS, IF APPLICABLE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL NEW CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. ANY DAMAGE CAUSED BY, OR DURING THE EXECUTION OF THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE OWNER'S SATISFACTION.
- EQUIPMENT, MATERIALS AND WORKMANSHIP FURNISHED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL KEEP THE WORK IN GOOD REPAIR FOR ONE YEAR AFTER THE DATE OF FINAL APPROVAL. THE CONTRACTOR SHALL AT HIS OWN EXPENSE, CORRECT AND REPAIR PROMPTLY ANY AND ALL BREAKS, FAILURES OR WEAR DUE TO FAULTY MATERIALS, WORKMANSHIP OR EQUIPMENT, AND ALL SETTLEMENTS OF SURFACE THAT MAY OCCUR DURING THAT PERIOD.
- ANY PENETRATION THROUGH FIRE RATED PARTITION SHALL BE STEEL SLEEVED AND SEALED WITH 3M BRAND U.L. RATED FIRE BARRIER CAULK OR APPROVED EQUAL.
- THIS CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING ASSOCIATED WITH THE FIRE PROTECTION WORK.
- UNLESS OTHERWISE NOTED, ALL SPRINKLER LINE RUNOUTS TO INDIVIDUAL SPRINKLER HEADS SHALL BE 1".
- NO PIPING SHALL BE RUN OVER ELECTRICAL PANELS.
- ALL FIRE DEPARTMENT HOSE CONNECTIONS THREAD TYPE SHALL BE COORDINATED WITH THE FIRE MARSHAL, THE FIRE CHIEF OR COMPLY WITH LOCAL ORDINANCES.
- ALL FIRE DEPARTMENT CONNECTION LOCATIONS SHALL BE COORDINATED WITH THE FIRE MARSHAL, FIRE CHIEF, OR THE AUTHORITY HAVING JURISDICTION.



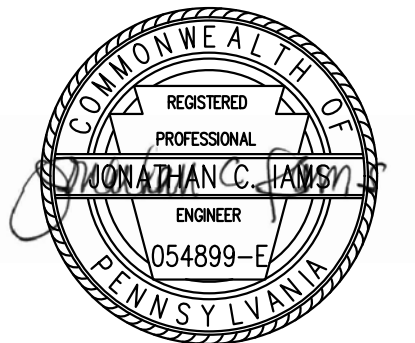
Fukui Architects Pc

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seal



general notes

- Any conflicts in the drawings or between new and existing construction shall be referred to the Architect.
- Contractor shall verify all dimensions and existing conditions in the field and shall advise **Fukui Architects, Pc** of any discrepancies between, additions to, deletions from, or alterations to any and all conditions prior to proceeding with any phase of work. **Do not scale drawings.**
- All work shall be installed in accordance with applicable codes and regulations.
- Contractor shall be responsible for the patching, repairing, and preparations of all existing floor, wall, and ceiling surfaces as required to receive scheduled finishes.
- All items shown on drawings are finished construction assemblies. Contractor shall provide and install all material required for finished assemblies.
- All reports, plans, specifications, computer files, field data, notices, and other documents and instruments prepared by the Architect as instruments of service shall remain the property of the Architect. The Architect shall retain all common law statutory, and other reserved rights, including the copyright thereto.

revisions

project title

Owner:

HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:

Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:

Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

**FIRE PROTECTION
LEGEND AND GENERAL
NOTES**

scale
As Noted

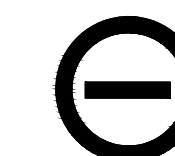
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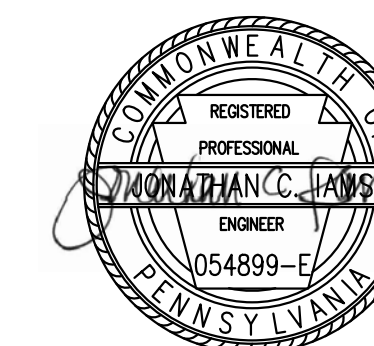
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Project #2040



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drawing title

FIRE PROTECTION PLAN

scale
As Noted

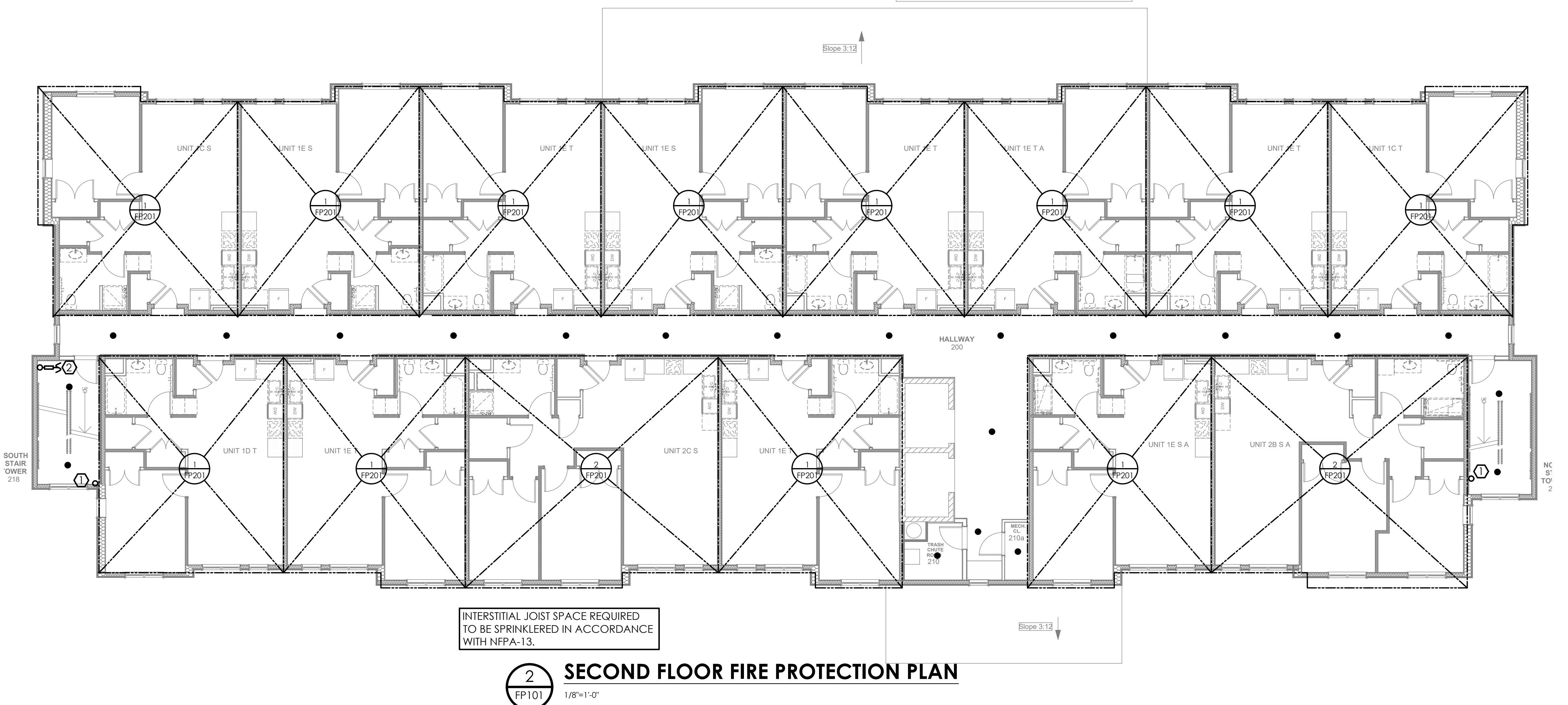
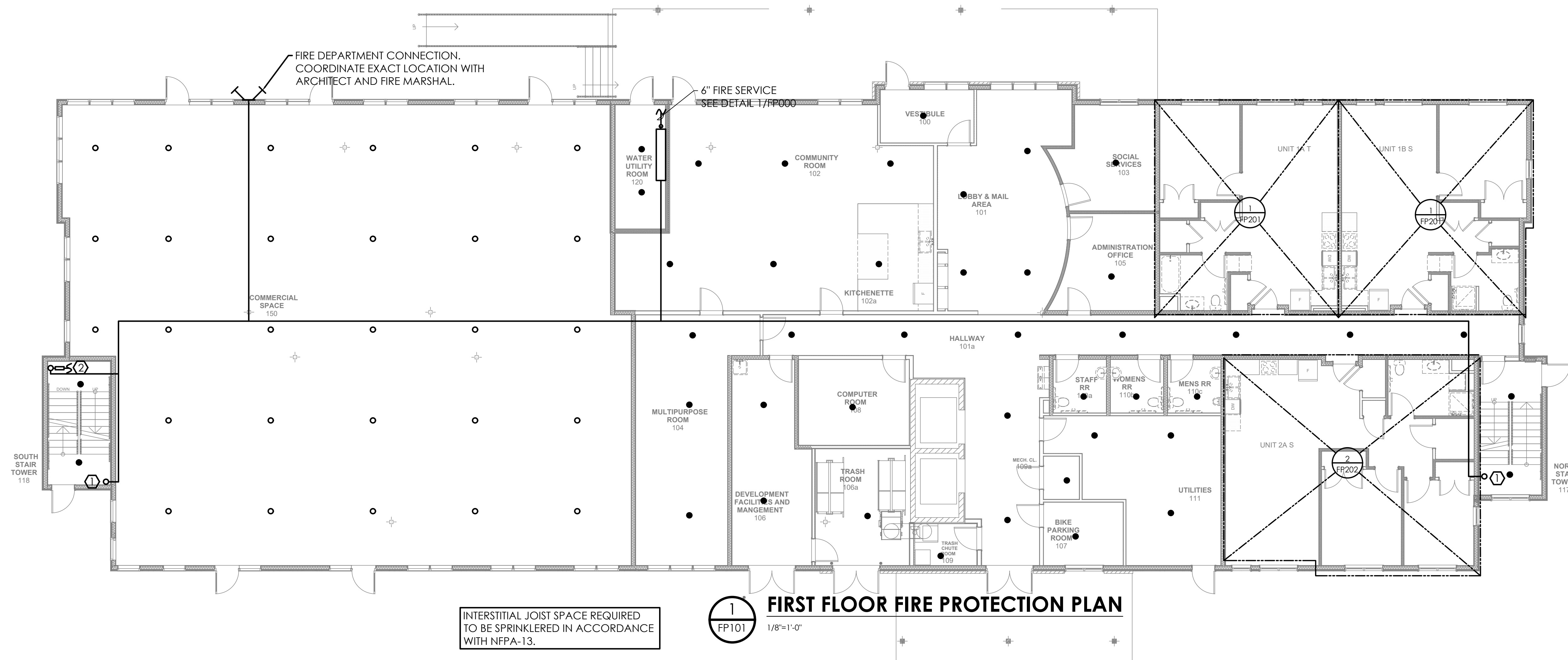
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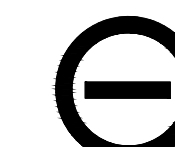
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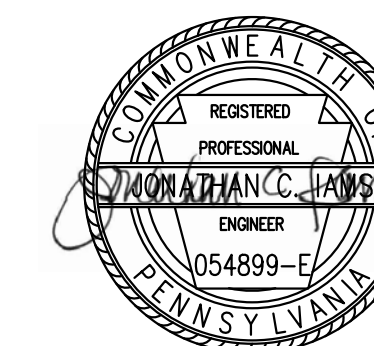
Project #2040





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seal



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revisions

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Owner:

HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:

Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:

Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

FIRE PROTECTION PLAN

scale
As Noted

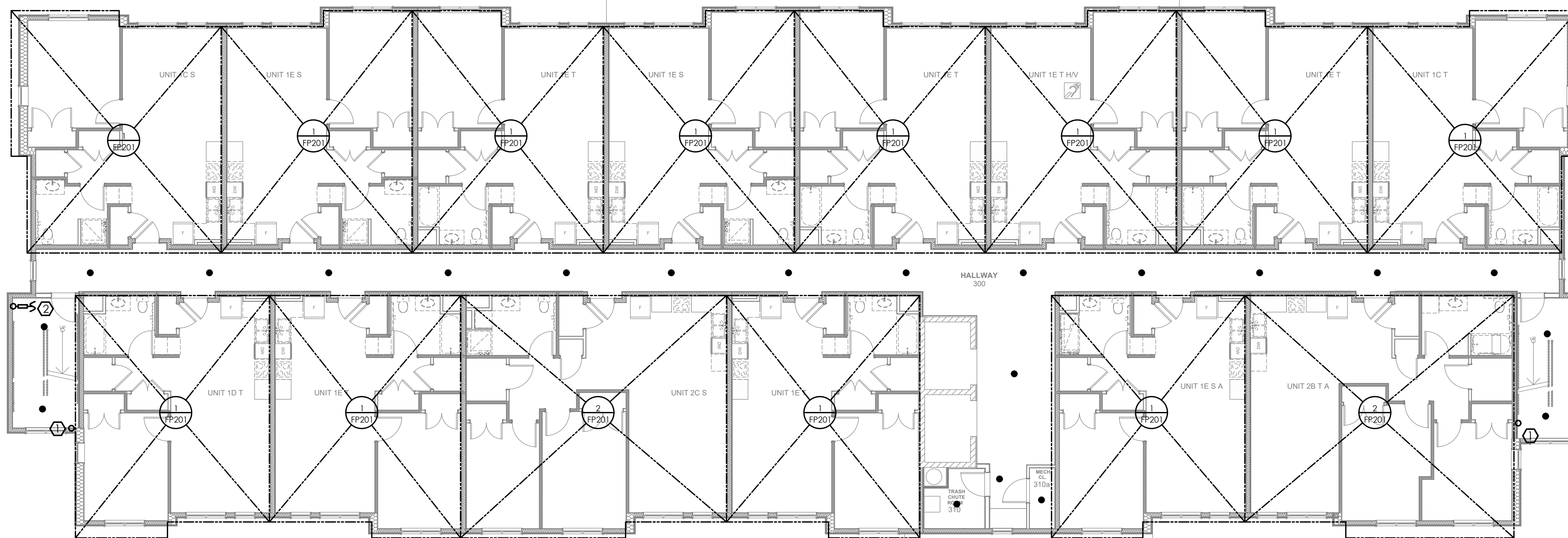
date
December 3rd, 2023

no. 226 of 233

Sheet No.

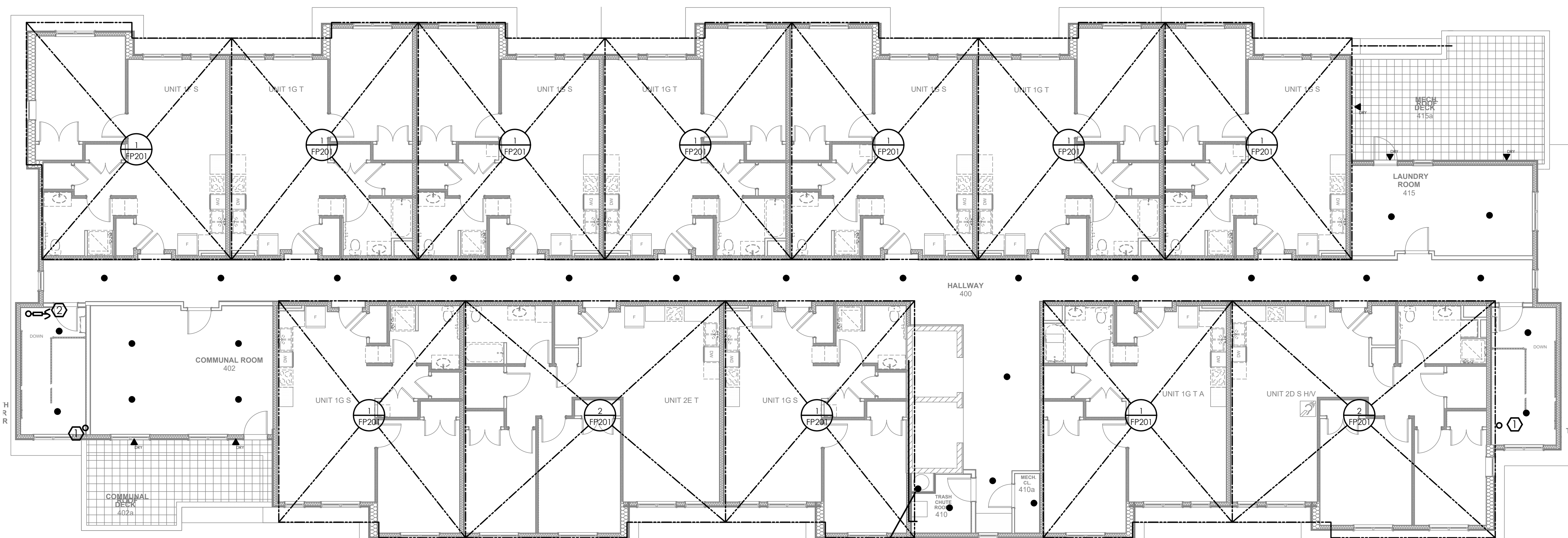
FP102

Project #2040



INTERSTITIAL JOIST SPACE REQUIRED TO BE SPRINKLERED IN ACCORDANCE WITH NFPA-13.

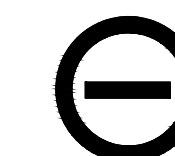
1 THIRD FLOOR FIRE PROTECTION PLAN
1/8"=1'-0"



INTERSTITIAL JOIST SPACE REQUIRED TO BE SPRINKLERED IN ACCORDANCE WITH NFPA-13.

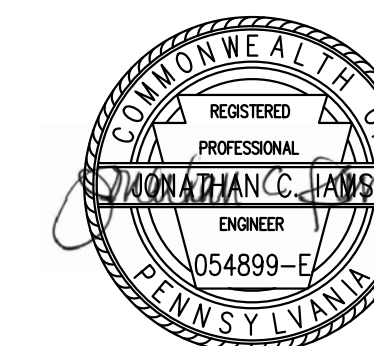
INTERMEDIATE 1/2" IPS-155° PENDANT GLASS BULB SPRINKLER AT TOP OF TRASH CHUTE INTAKE THROAT

2 FOURTH FLOOR FIRE PROTECTION PLAN
1/8"=1'-0"



Iams Consulting, LLC
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807 James Street
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Pittsburgh, PA 15212
Ph: 412.697.3590
www.iamsconsulting.com

seal



general notes

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2. Contractor shall verify all dimensions and existing conditions in the field and shall advise Fukui Architects, Pc of any discrepancies between, additions to, deletions from, or alterations to any and all conditions prior to proceeding with any phase of work. **Do not scale drawings.**
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revisions

project title

Owner:

HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:

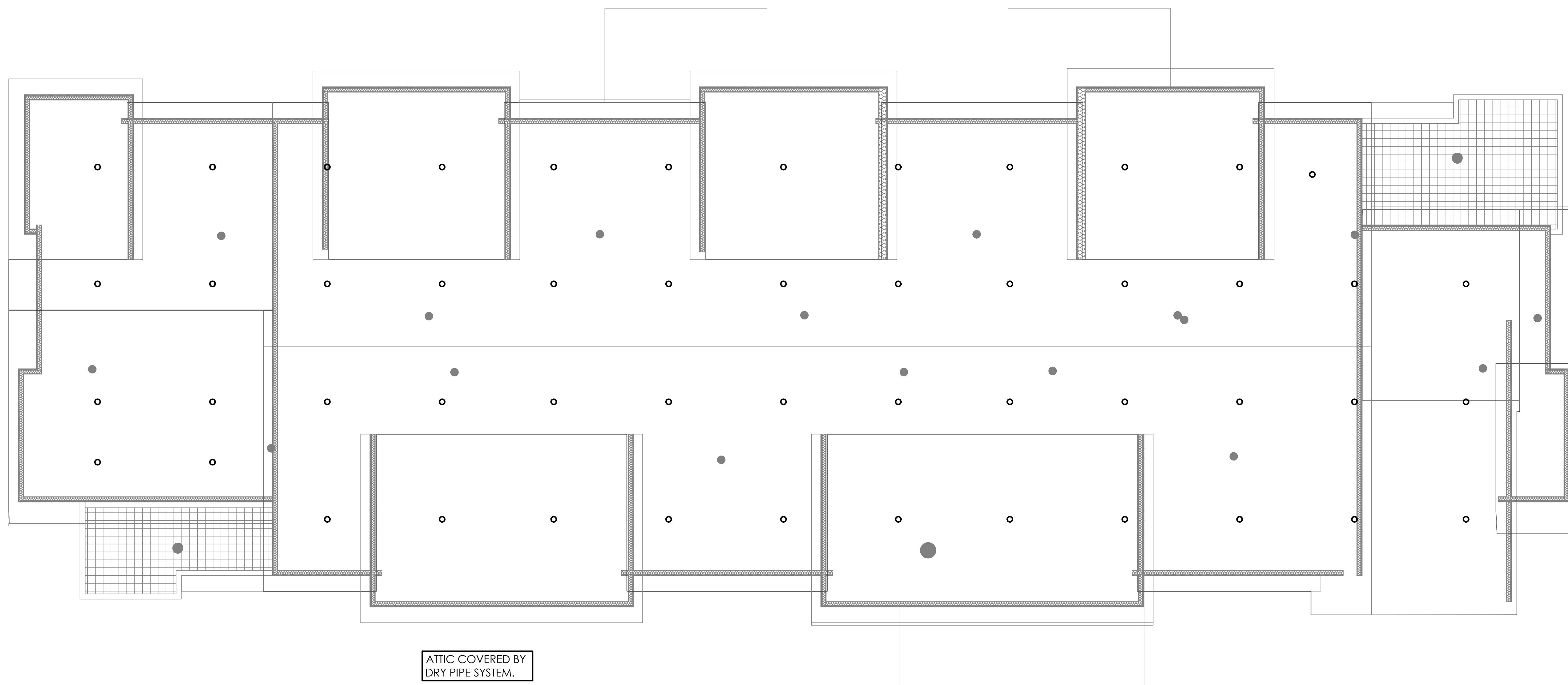
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:

Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

FIRE PROTECTION PLAN



ATTIC COVERED BY
DRY PIPE SYSTEM.

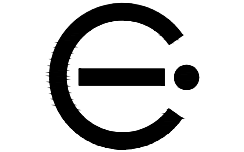
1 ATTIC FIRE PROTECTION PLAN
FP103 1/8"=1'-0"

scale	As Noted
date	December 3rd, 2023
no.	227
of.	233

Sheet No.

FP103

Project #2040



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revisions

project title

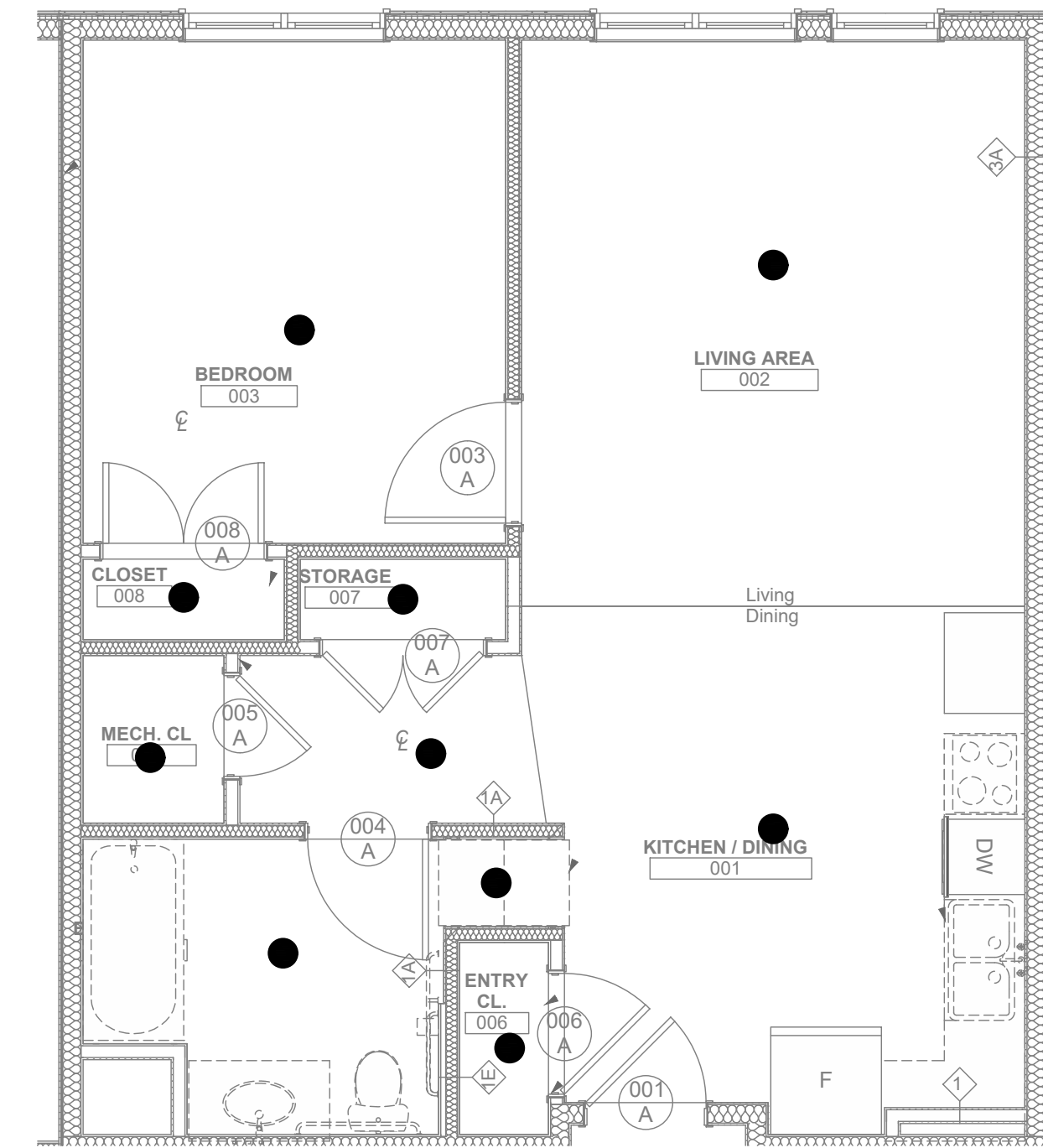
Owner:
HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

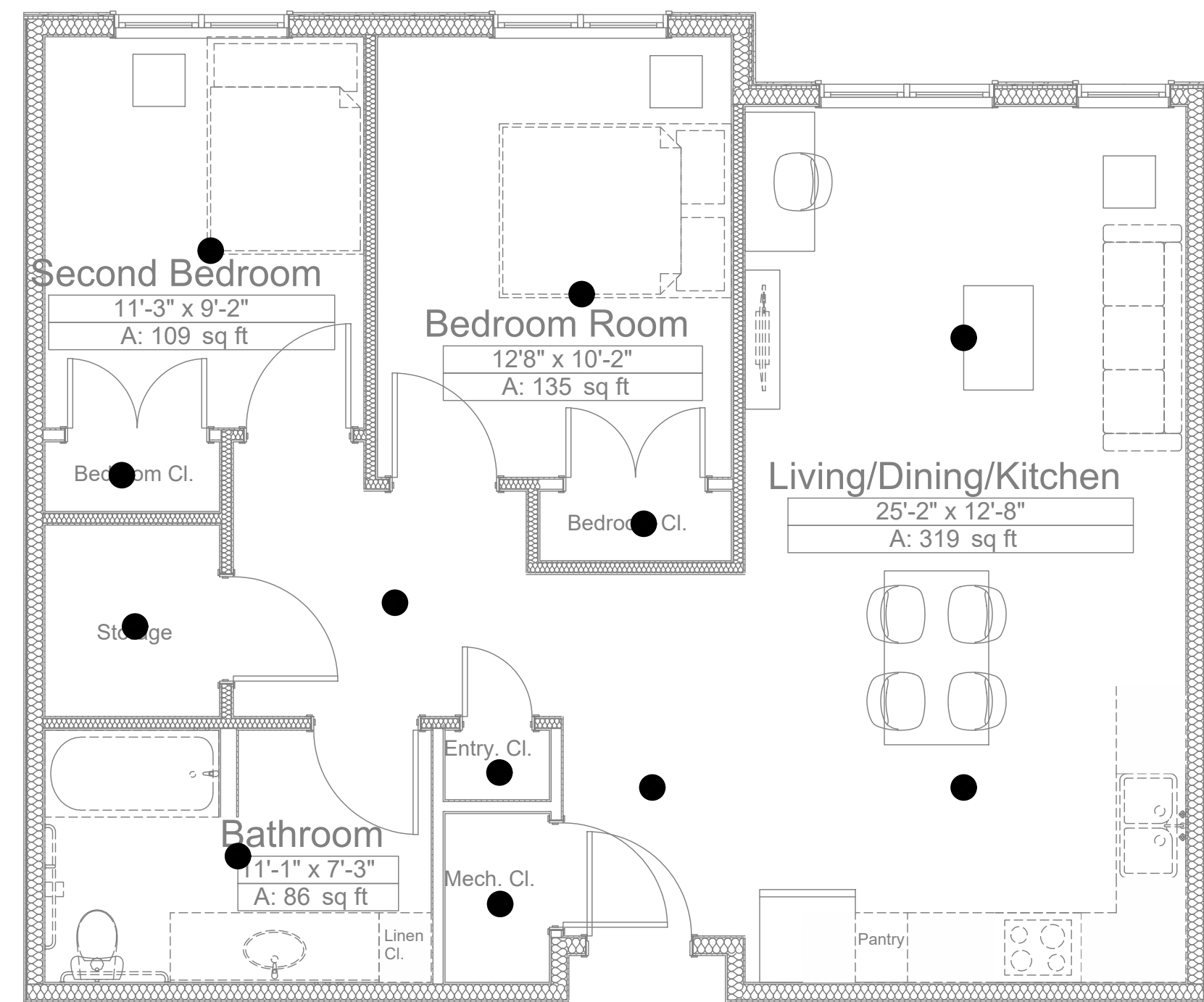
Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

ENLARGED FIRE
PROTECTION PLAN



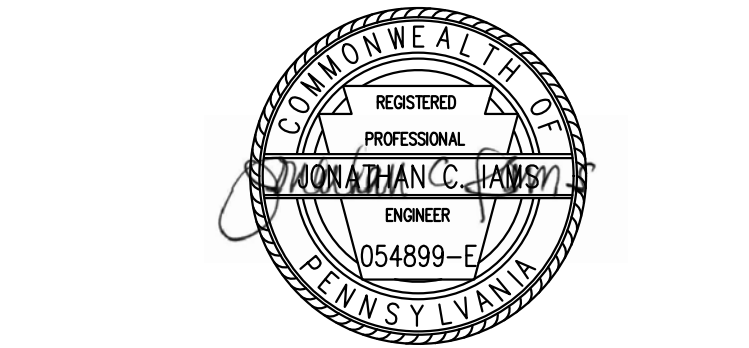
1
FP201 1/4"=1'-0"
1-BEDROOM UNIT FIRE PROTECTION PLAN (TYP. OF ALL 1- UNIT TYPES)



2
FP201 1/4"=1'-0"
2-BEDROOM UNIT FIRE PROTECTION PLAN (TYP. OF ALL 2- UNIT TYPES)

scale	As Noted
date	December 3rd, 2023
no.	228
of.	233

Sheet No.
FP201
Project #2040



general notes

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- Contractor shall verify all dimensions and existing conditions in the field and shall advise Fukui Architects, Pc of any discrepancies between, additions to, deletions from, or alterations to any and all conditions prior to proceeding with any phase of work. **Do not scale drawings.**
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revisions

project title

Owner:
HACP
200 Ross Street
Pittsburgh, PA, 15219

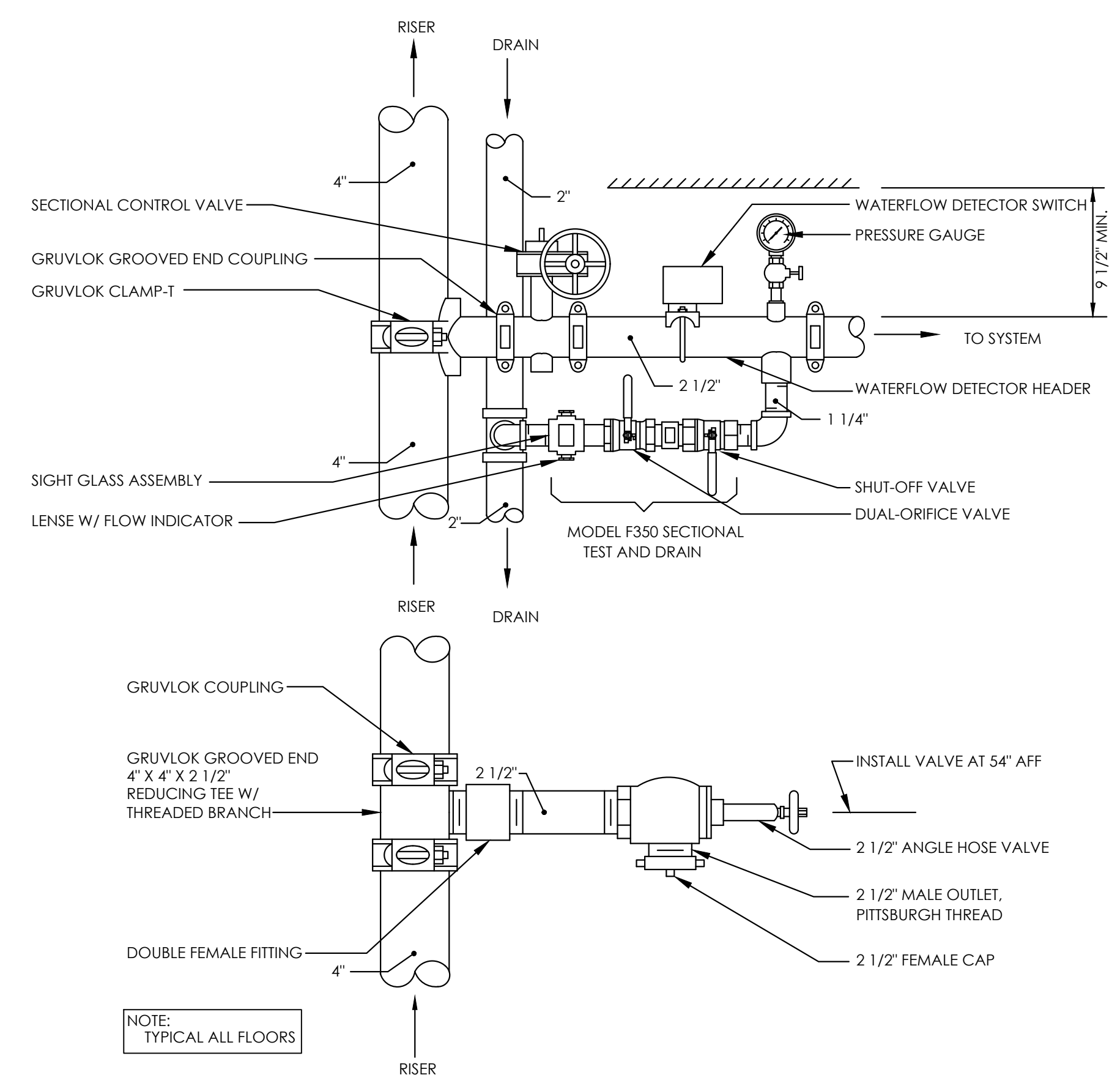
Client:
Allies & Ross Management and Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

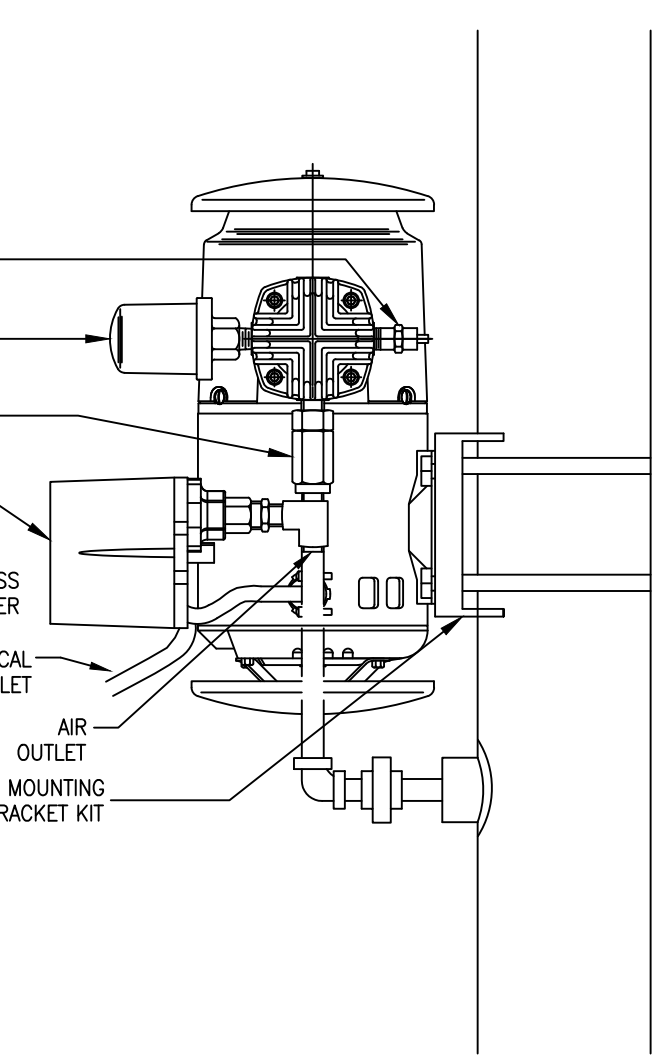
drawing title

DETAILS

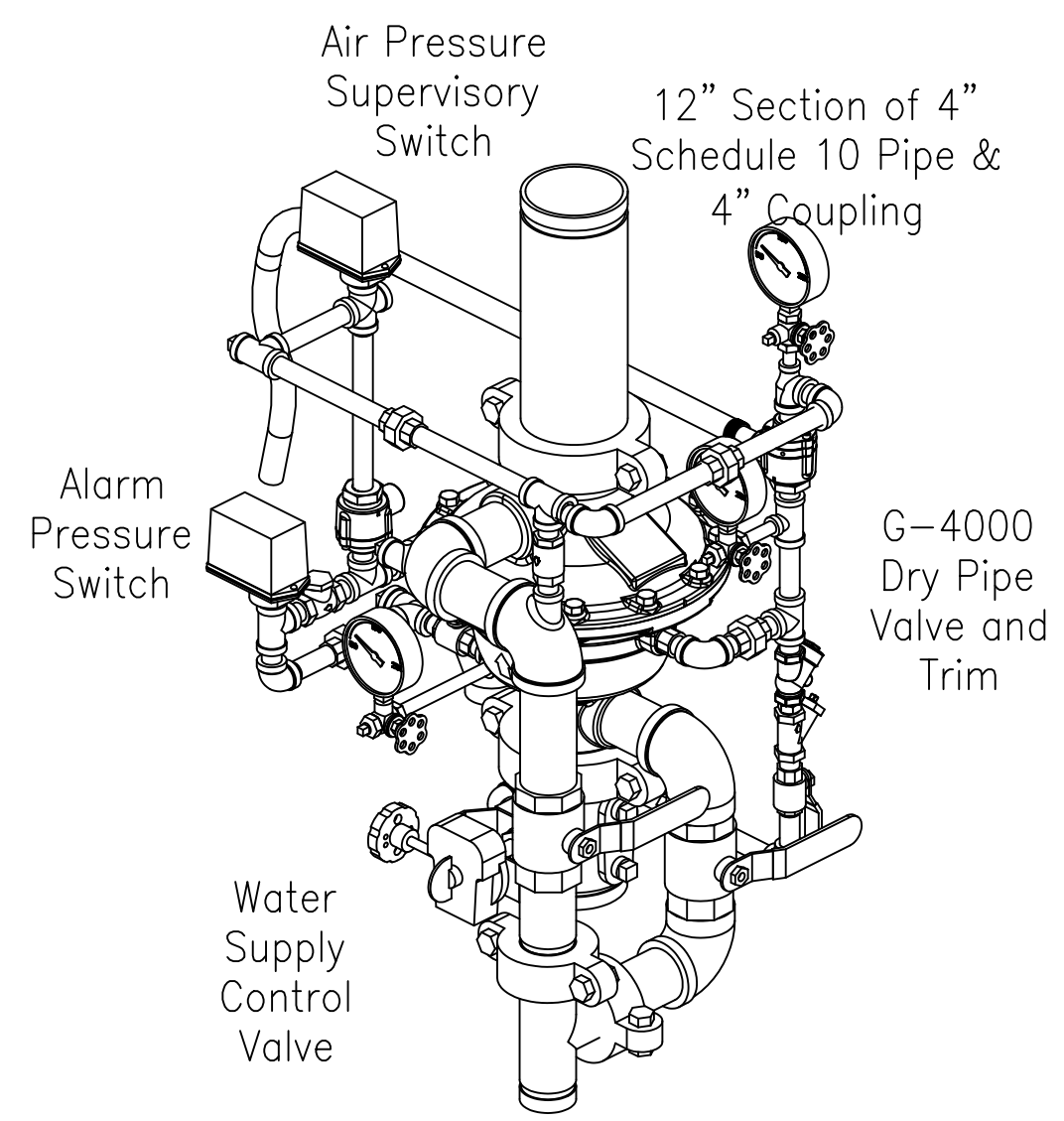
scale	As Noted	Sheet No.
date	December 3rd, 2023	
no.	229	FP301
of.	233	
		Project #2040



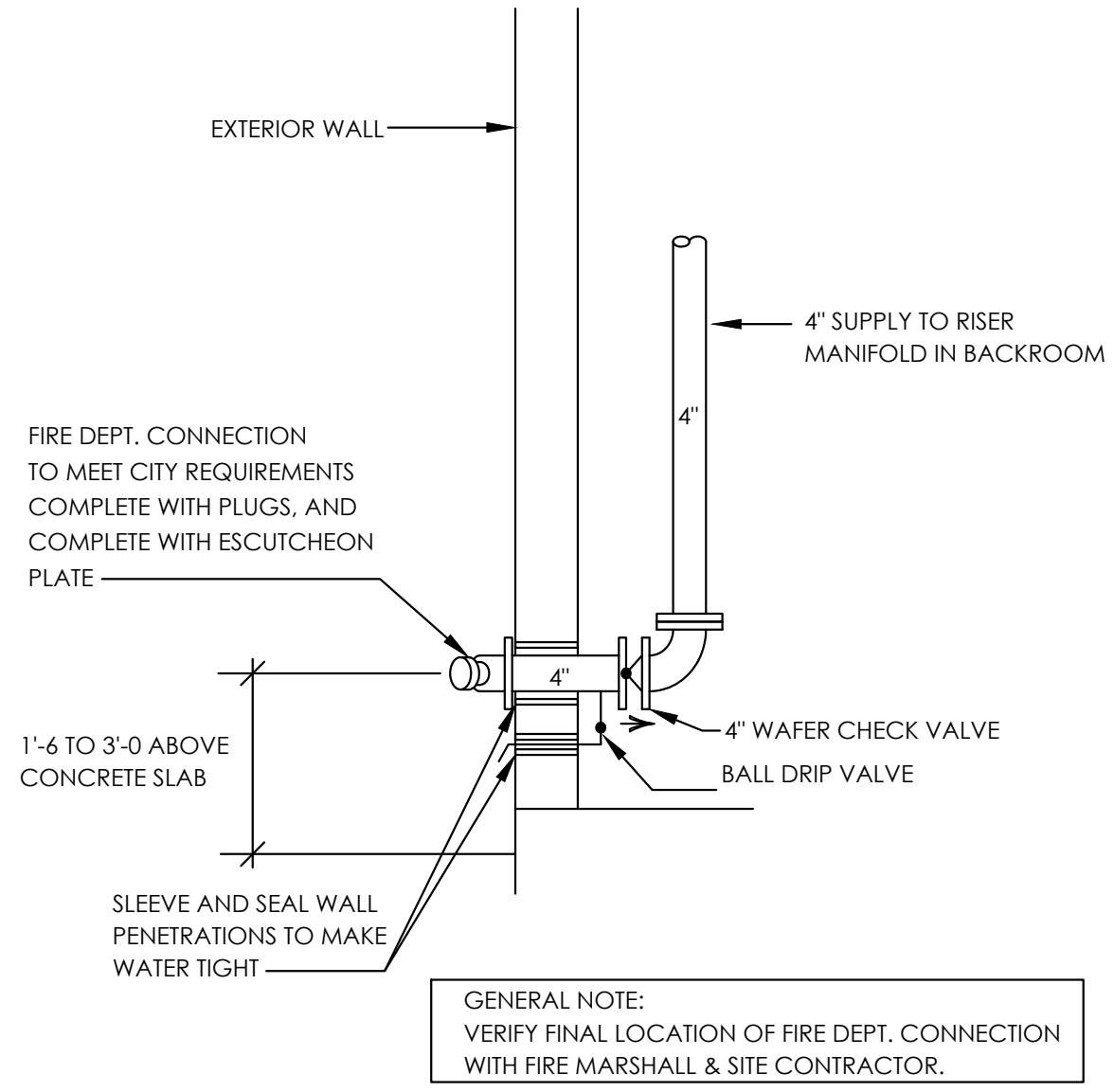
1 SPRINKLER SYSTEM TEST & CONTROL
FP301 NTS



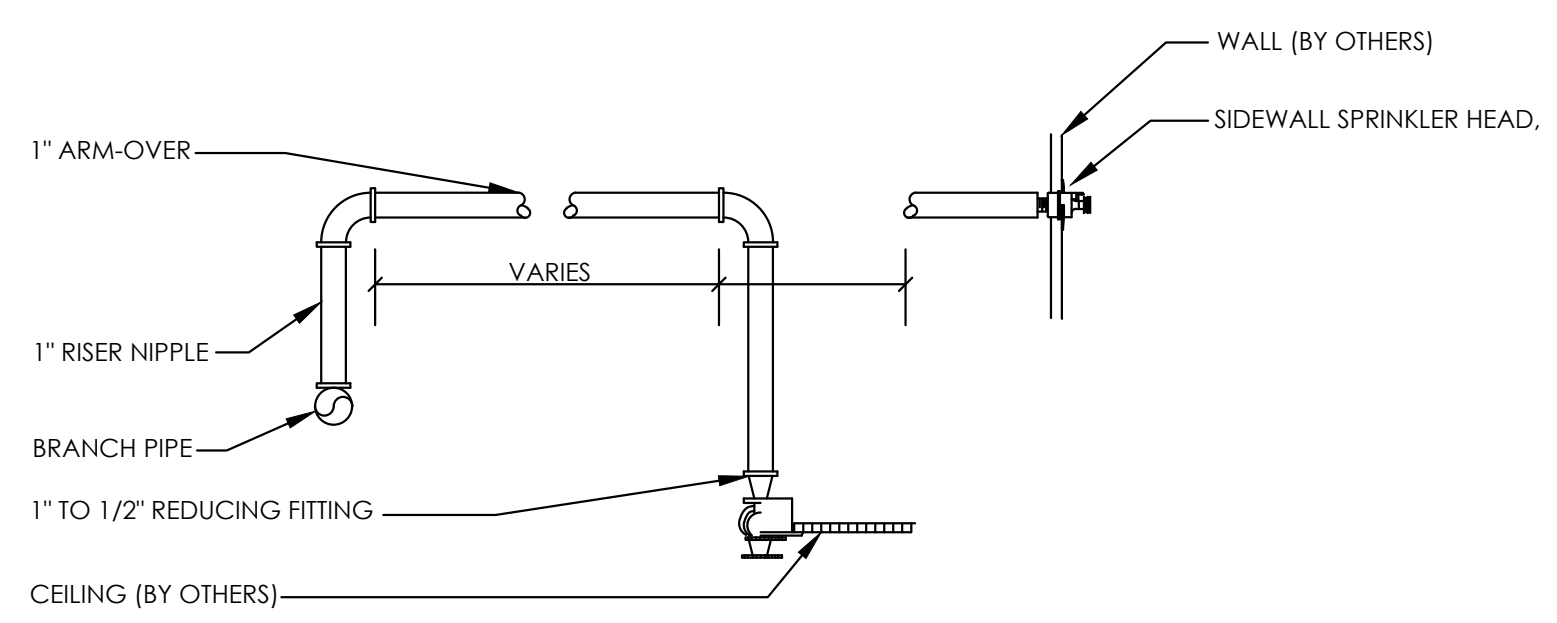
2 AIR COMPRESSOR PIPING DETAIL
FP301 NTS



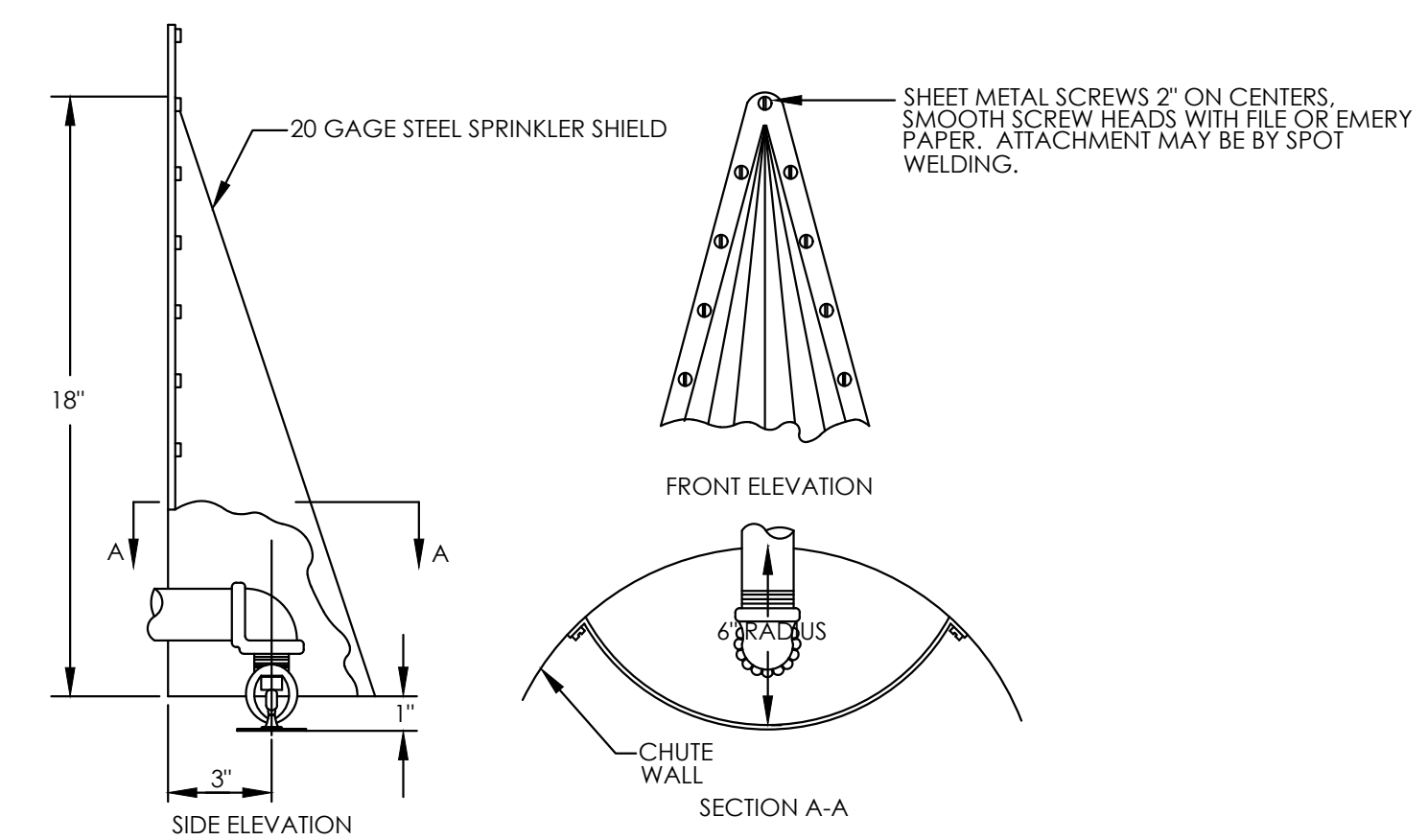
3 DRY PIPE VALVE DETAIL
FP301 NTS



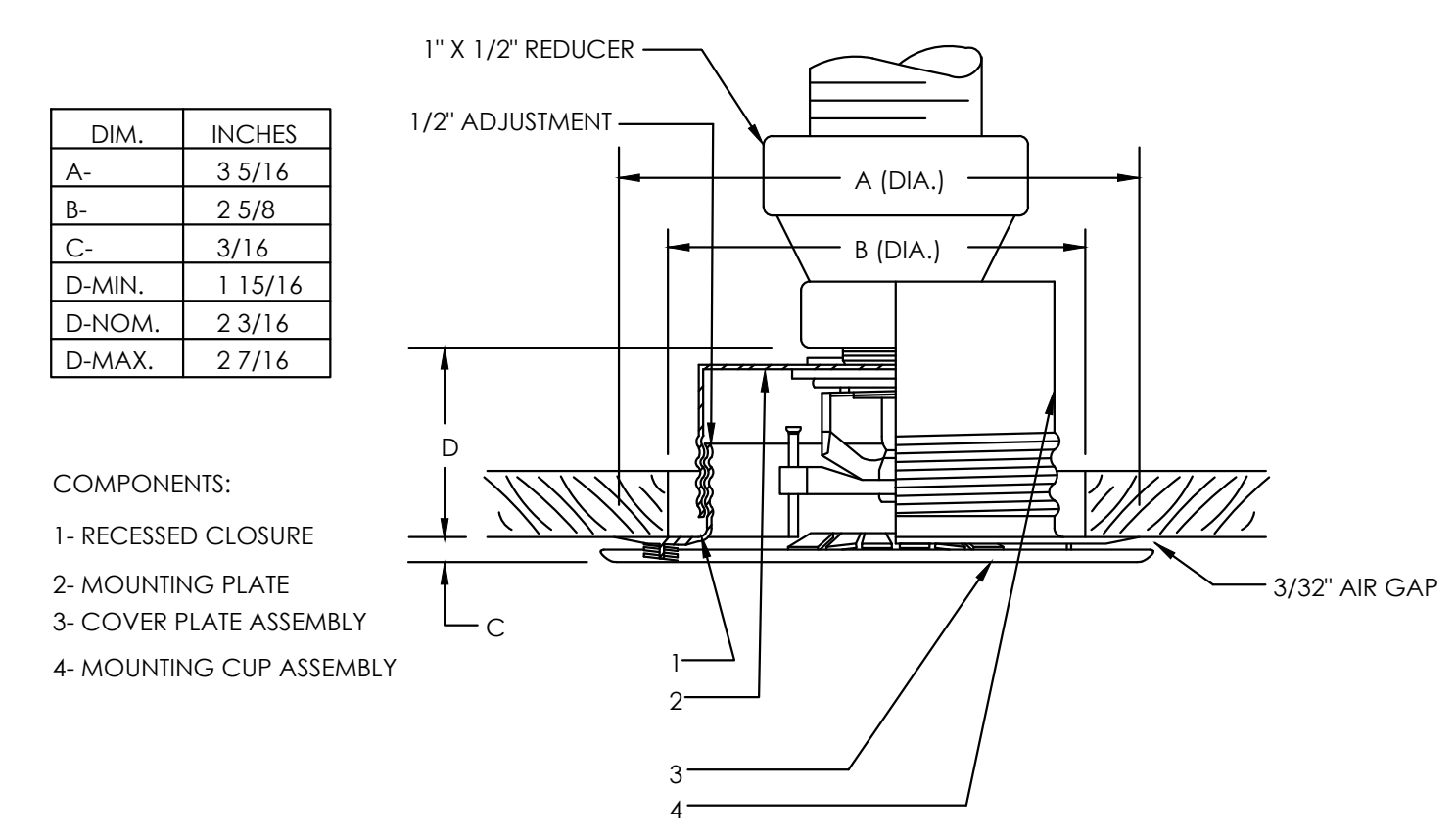
4 FIRE DEPARTMENT CONNECTION DETAIL
FP301 NTS



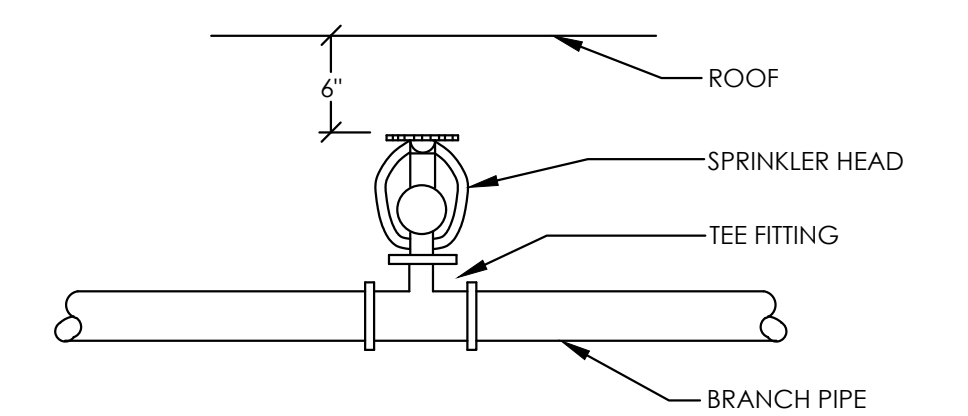
5 RETURN BEND ARRANGEMENT DETAIL
FP301 NTS



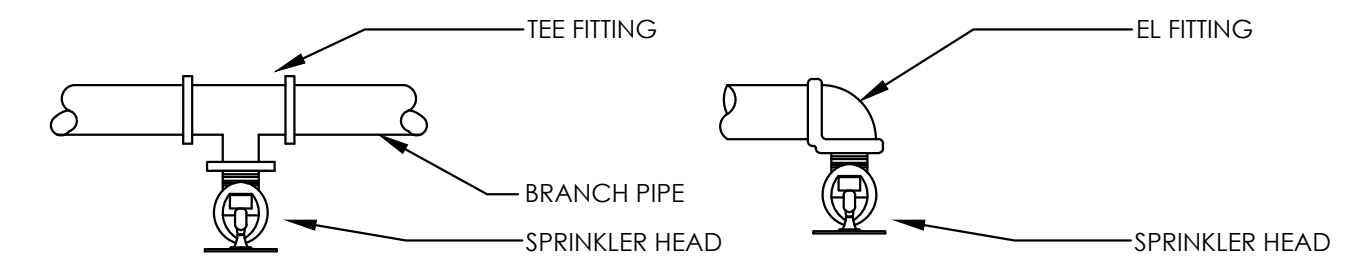
6 TRASH/LAUNDRY CHUTE SPRINKLER DETAIL
FP301 NTS



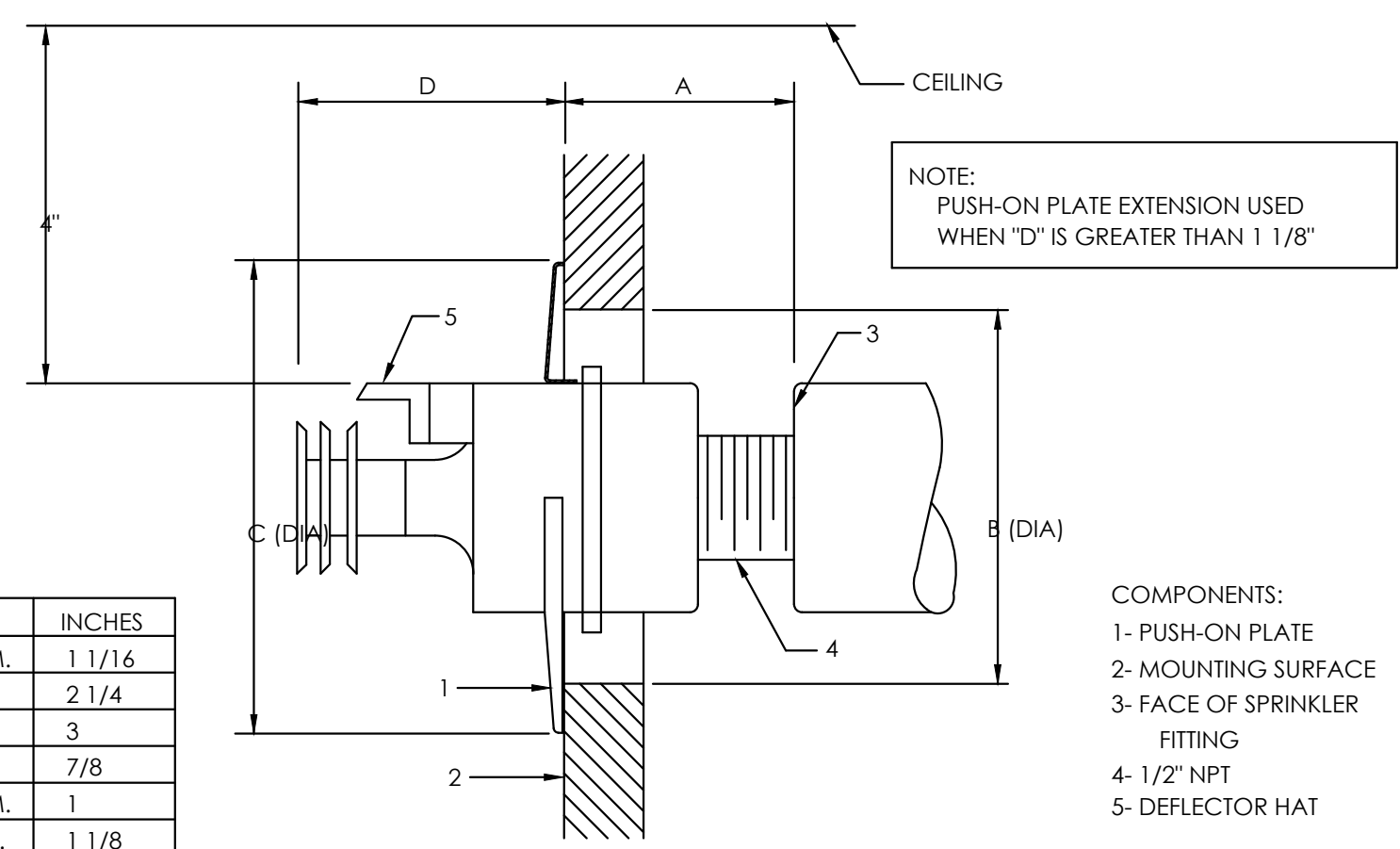
7 CONCEALED SPRINKLER DETAIL
FP301 NTS



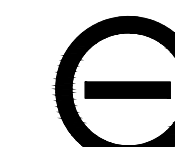
8 UPRIGHT SPRINKLER DETAIL
FP301 NTS



9 PENDANT SPRINKLER DETAIL
FP301 NTS

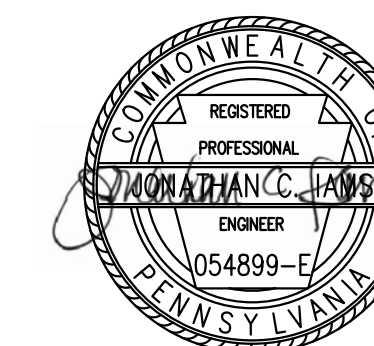


10 SIDEWALL SPRINKLER DETAIL
FP301 NTS



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revisions

project title

Owner:

HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:

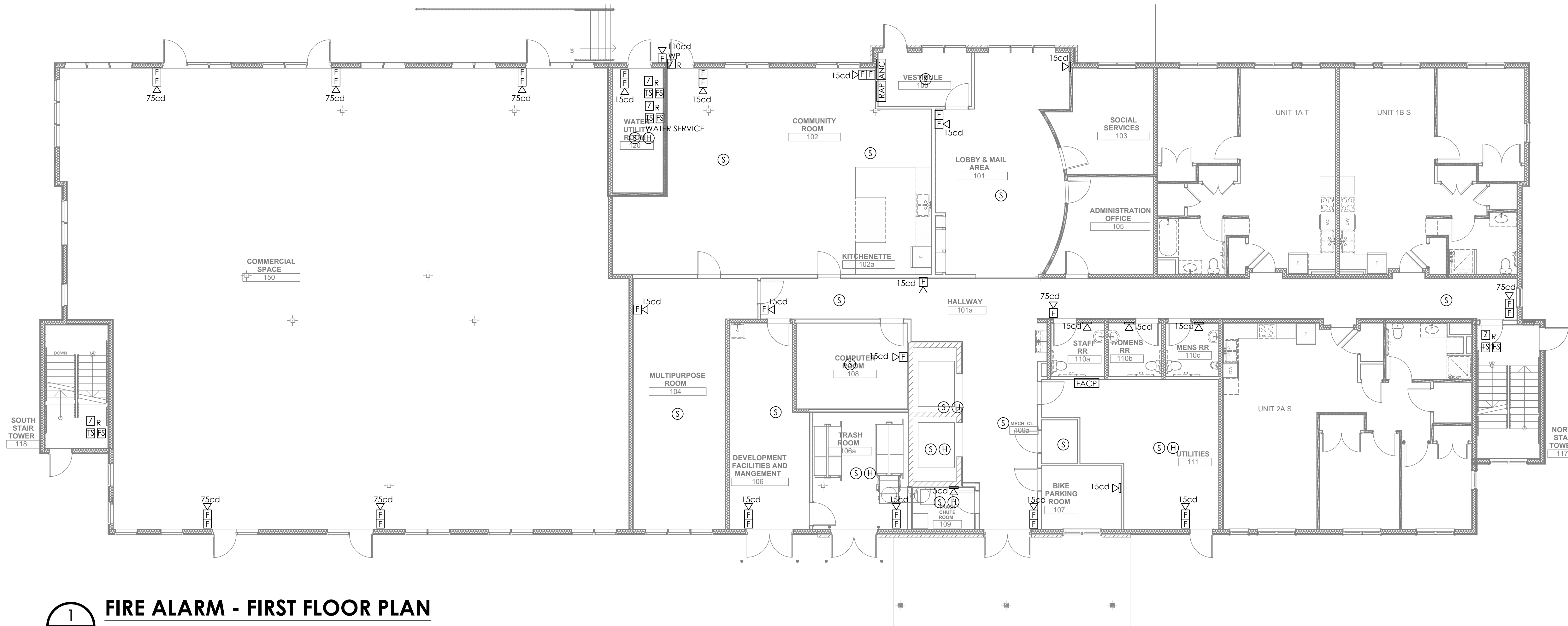
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:

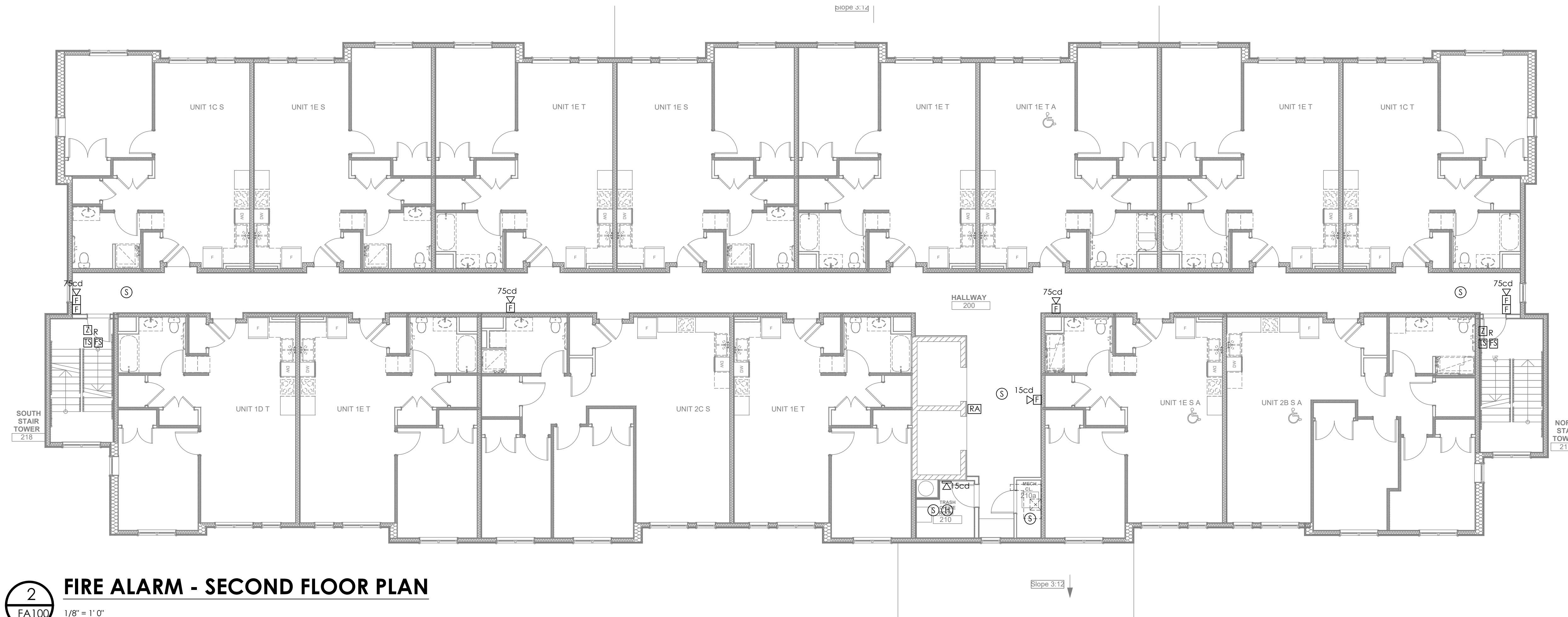
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

Fire Alarm Floor Plans



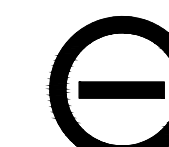
1 FIRE ALARM - FIRST FLOOR PLAN
FA100 1/8" = 1' 0"



2 FIRE ALARM - SECOND FLOOR PLAN
FA100 1/8" = 1' 0"

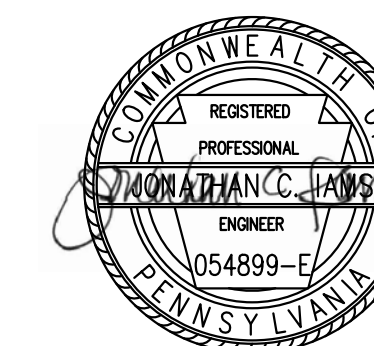
scale	As Noted
date	December 3rd, 2023
no.	230
of.	233

Sheet No.	FA100
Project #	#2040



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ENGINEERING ENVIRONMENTS
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revisions

project title

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200 Ross Street
Pittsburgh, PA 15219

Project Location:

Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

Fire Alarm Floor Plans

scale
As Noted

date
December 3rd, 2023

no. of.

231 **233**

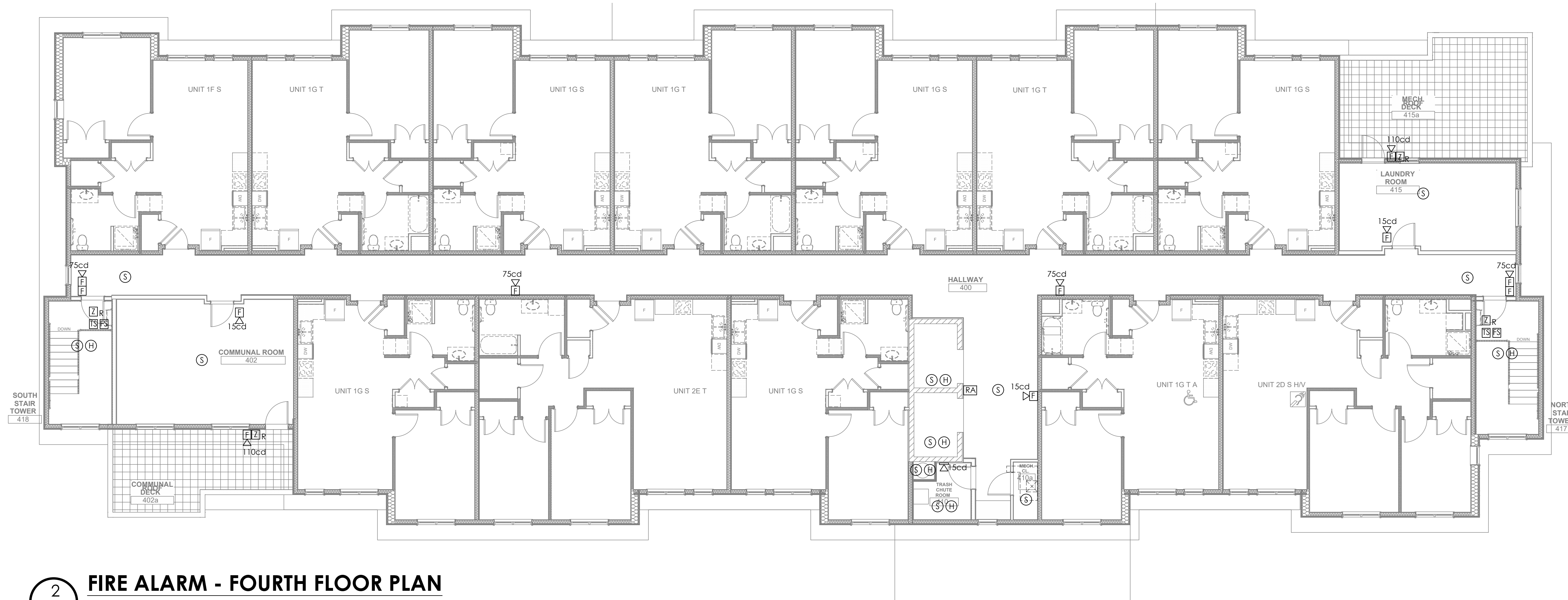
Sheet No.

FA101

Project #2040



1
FA101
FIRE ALARM - THIRD FLOOR PLAN
1/8" = 1' 0"



2
FA101
FIRE ALARM - FOURTH FLOOR PLAN
1/8" = 1' 0"



general notes

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revisions

project title

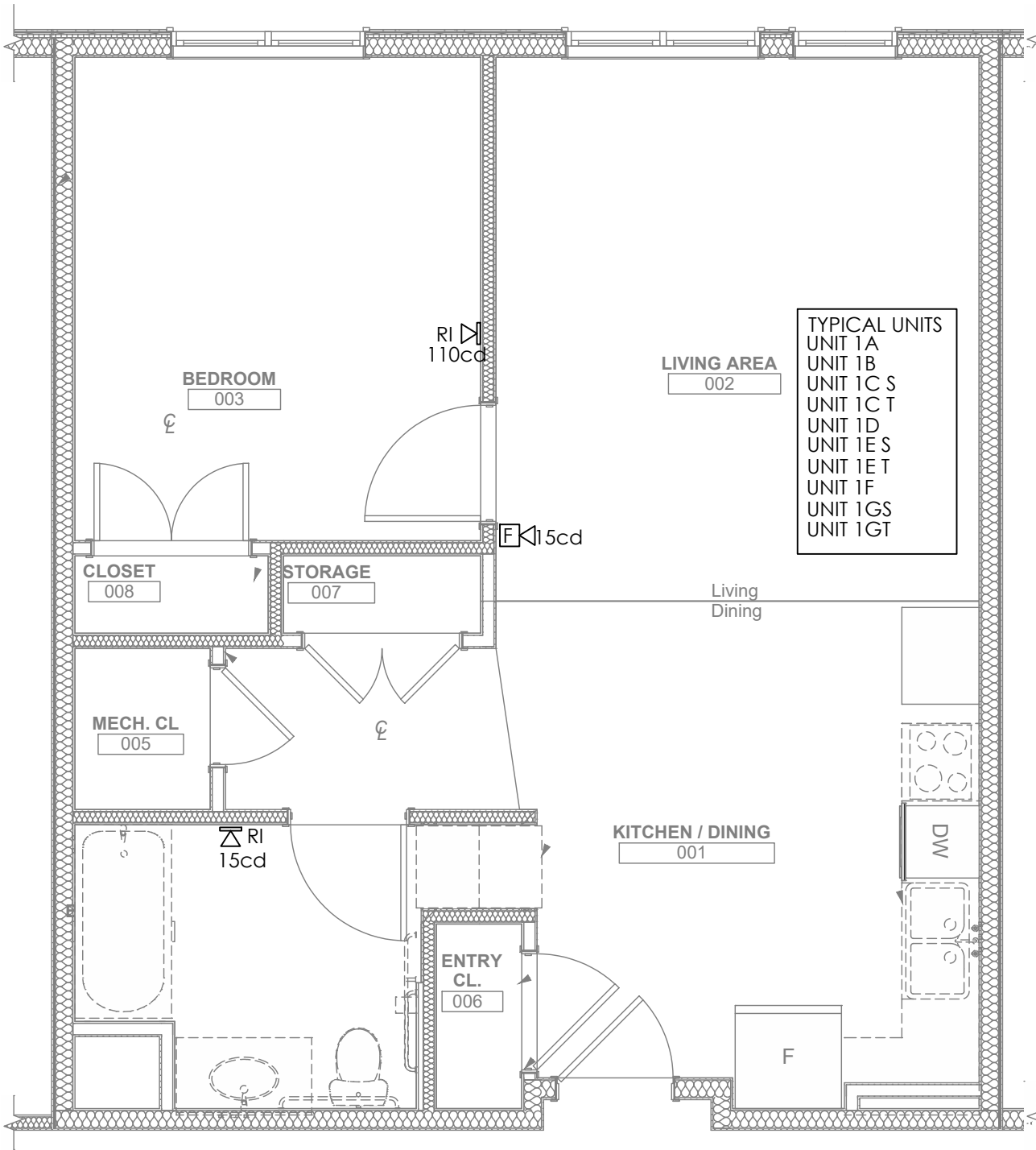
Owner:
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Pittsburgh, PA 15219

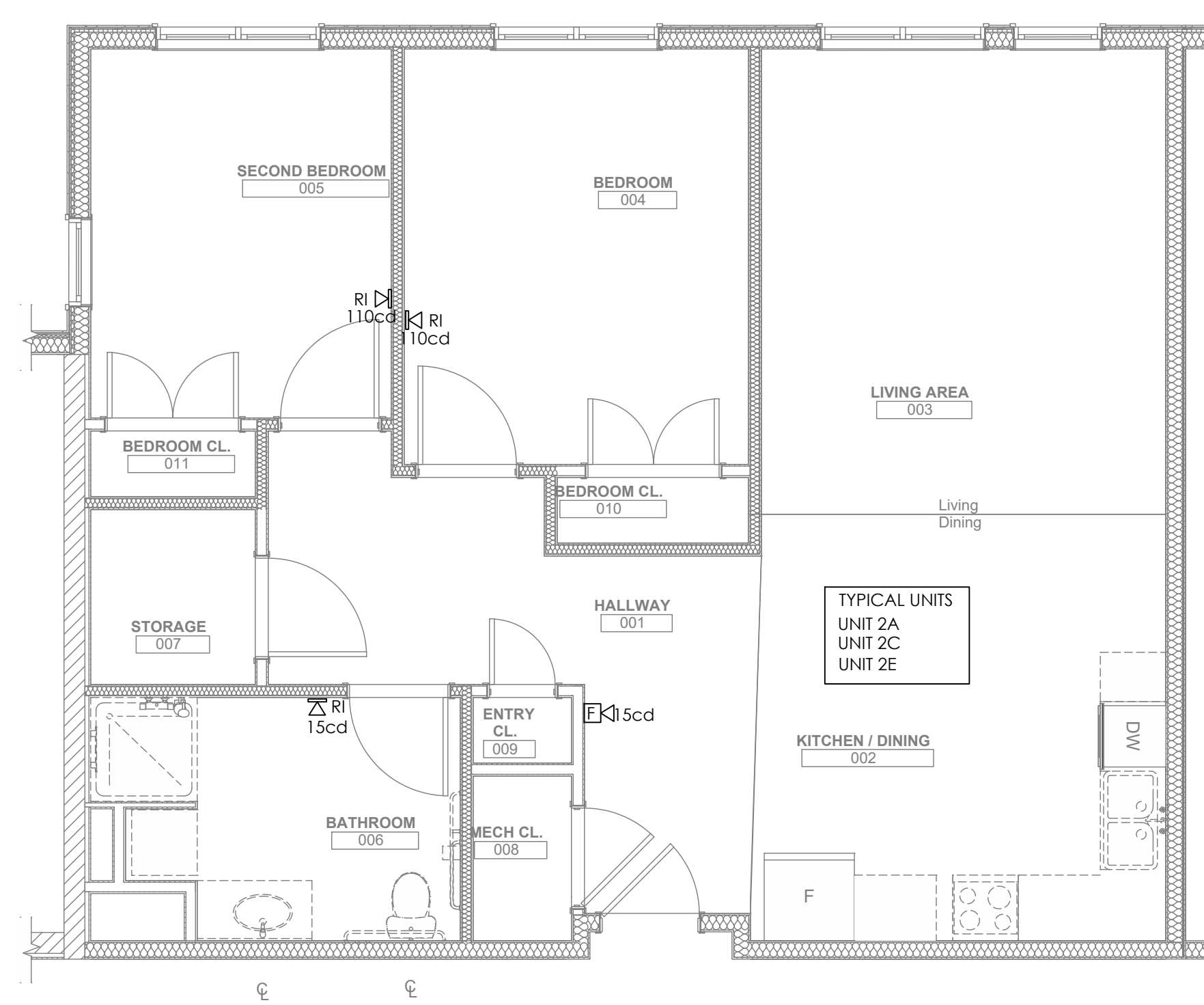
Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

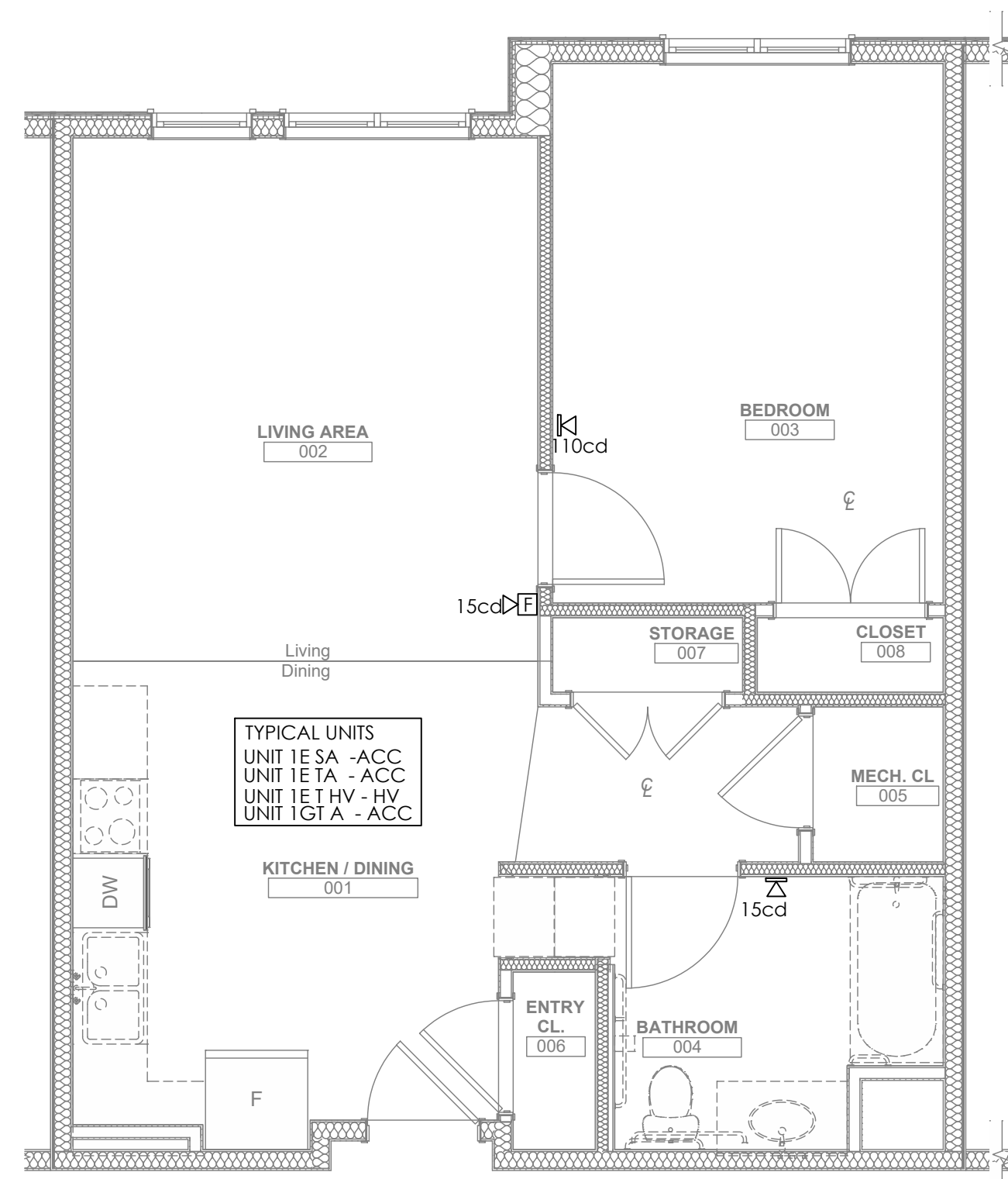
Fire Alarm
Enlarged Unit Plans



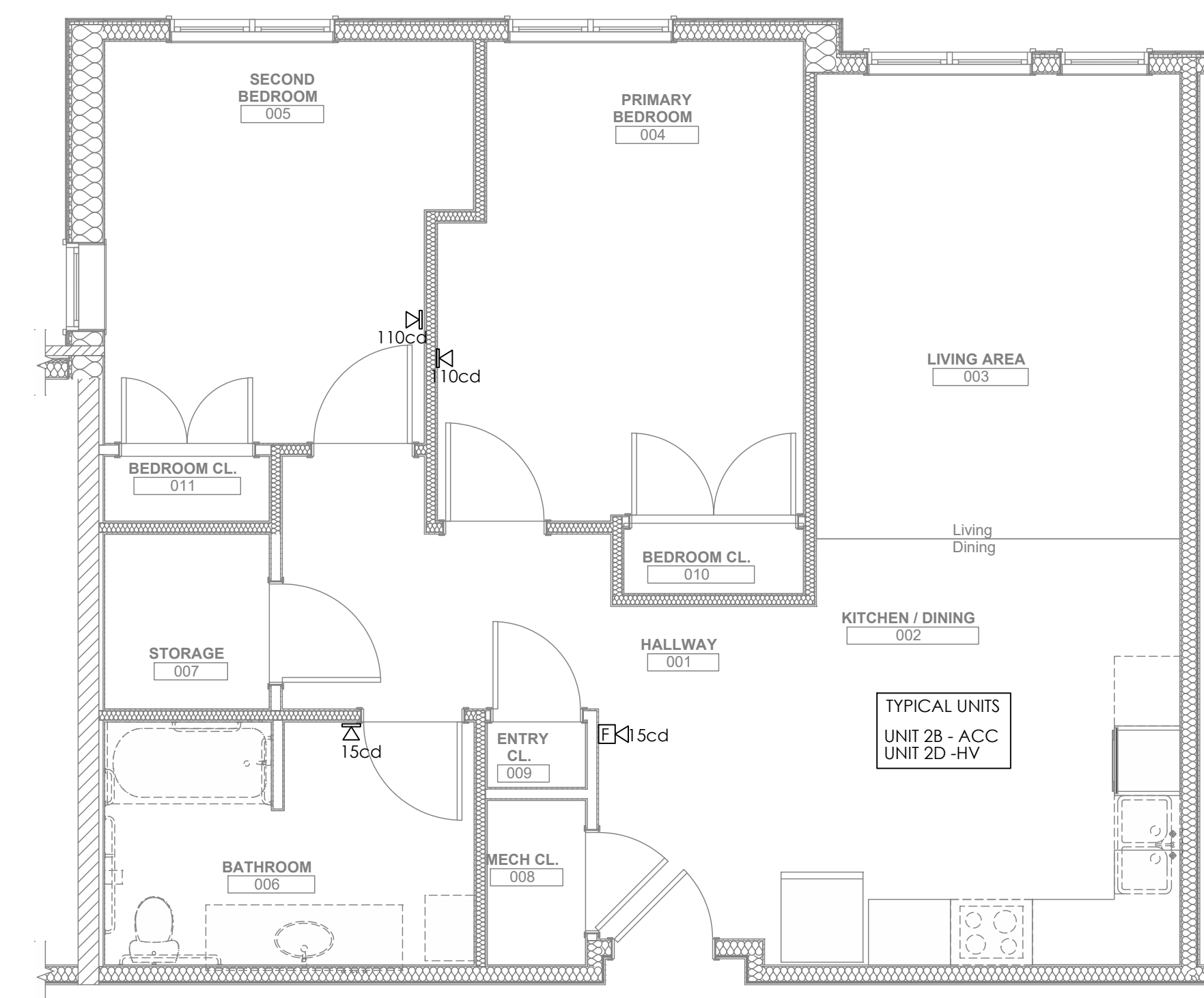
1 ENLARGED TYPICAL UNIT PLAN - TYPE 1
FA200 1/4" = 1' 0"



3 ENLARGED TYPICAL UNIT PLAN - TYPE 2
FA200 1/4" = 1' 0"



2 ENLARGED TYPICAL UNIT PLAN - TYPE 1 ACC/HV
FA200 1/4" = 1' 0"



4 ENLARGED TYPICAL UNIT PLAN - TYPE 2 ACC/HV
FA200 1/4" = 1' 0"

scale	As Noted
date	December 3rd, 2023
no.	232
of.	233

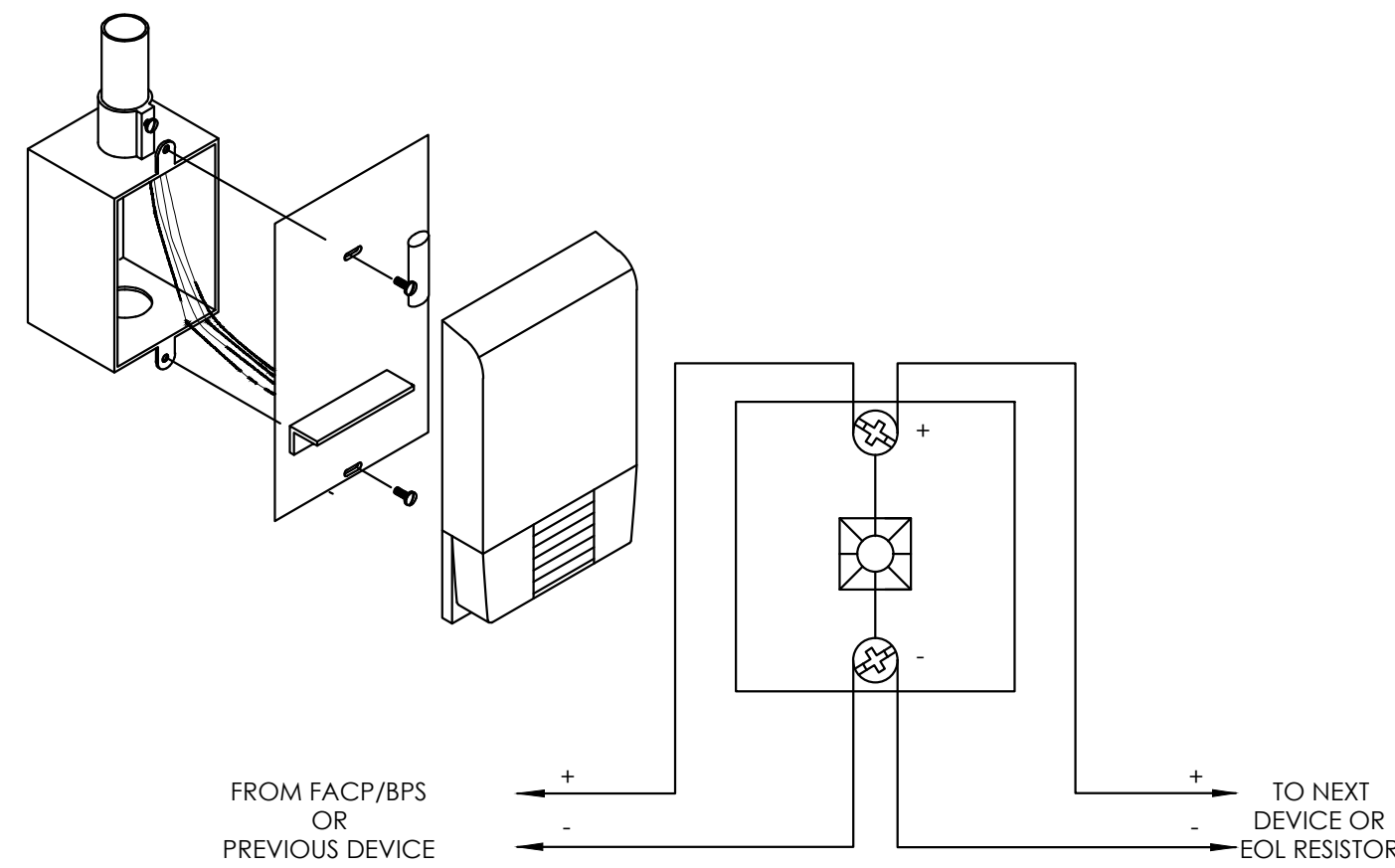
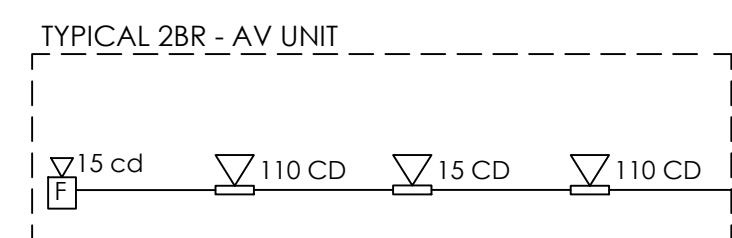
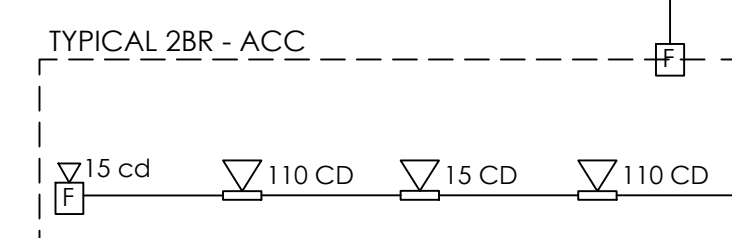
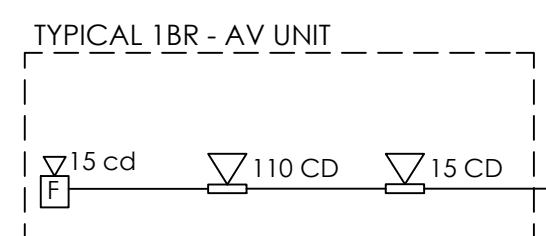
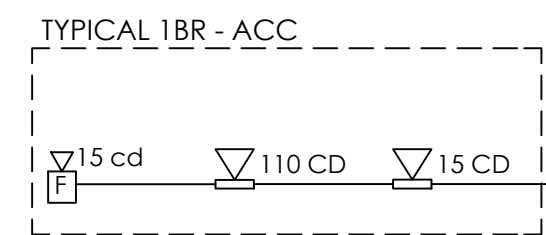
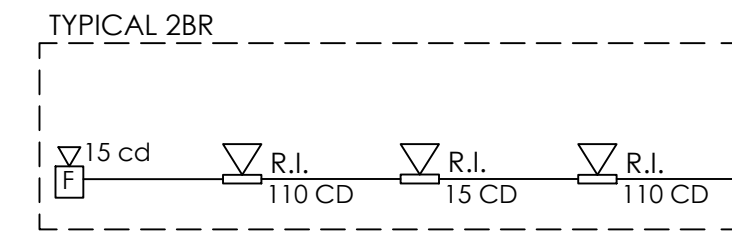
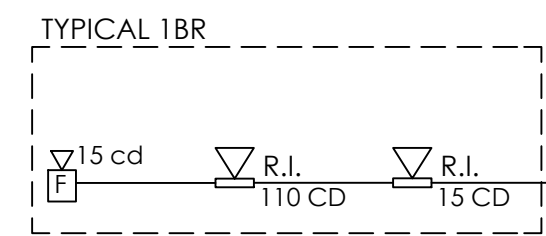
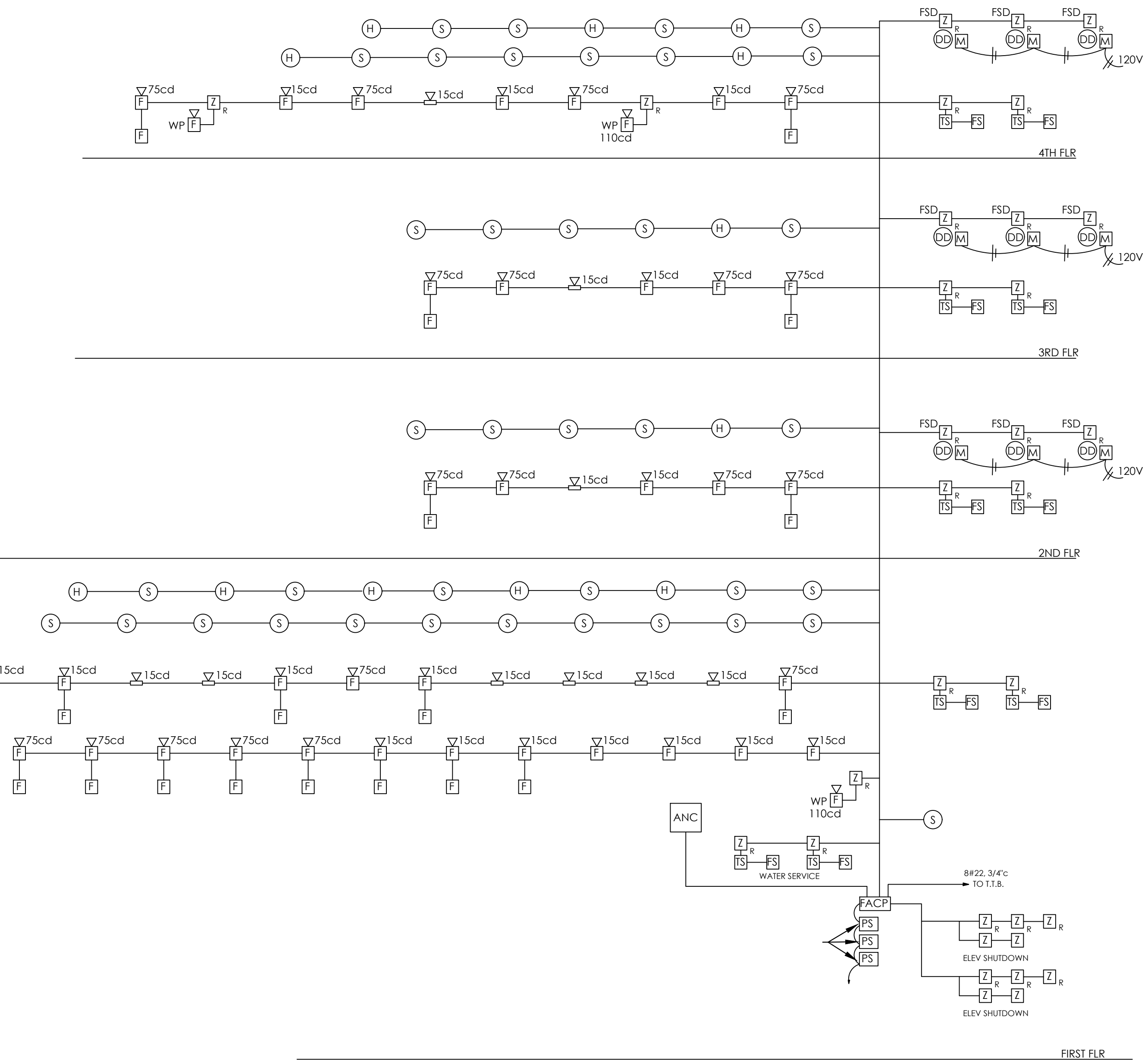
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FA200

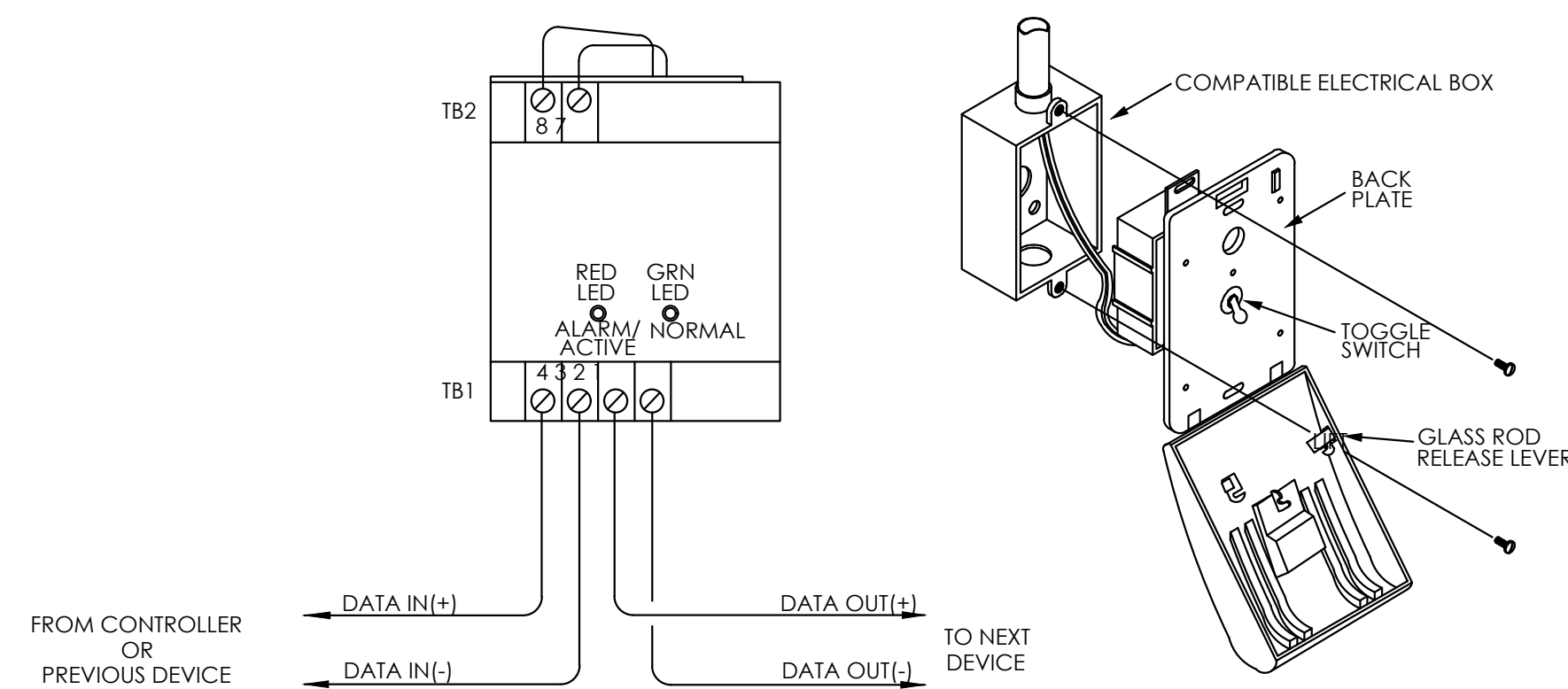
Project #2040

FIRE ALARM LEGEND AND SYMBOLS:

	MANUAL PULL STATION FOR FIRE ALARM SYSTEM, MOUNTED 44 IN. ABOVE FINISHED FLOOR.
	HORN AND FLASHING LIGHT FIRE ALARM SYSTEM, MOUNTED 80 IN. ABOVE FINISHED FLOOR. X = cd
	SPEAKER AND FLASHING LIGHT FIRE ALARM SYSTEM, MOUNTED 80 IN. ABOVE FINISHED FLOOR. X = cd
	FIRE ALARM VISUAL ONLY DEVICE X=cd MOUNT AT 80" A.F.F.
	HORN, FIRE ALARM SYSTEM, MOUNTED 80 IN. ABOVE FINISHED FLOOR.
	CONTROL PANEL FOR FIRE ALARM SYSTEM.
	ANNUNCIATOR FOR FIRE ALARM SYSTEM.
	FLOW SWITCH, MOUNTED ON PIPE. FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
	OS&Y VALVE MONITORING SWITCH. FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
	PRESSURE SWITCH FOR DRY TYPE SPRINKLER SYSTEM. FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
	MAGNETIC DOOR HOLD OPEN. PROVIDE 120V AND FIRE ALARM INTERFACE. HOLD OPEN WILL DE ENERGIZE ALLOWING DOOR TO CLOSE WHEN FIRE ALARM IS ACTIVATED
	DUCT DETECTOR, FURNISHED BY E.C. INSTALLED BY M.C. REQUIRED FOR ALL HVAC SYSTEM OVER 2000 CFM, COORDINATE FINAL COUNTS AND LOCATIONS WITH M.C.
	CONVENTIONAL ZONE INTERFACE MODULE WITH RELAY
	RELAY, WITH RATING, NUMBER AND TYPE OF POLES AS NOTED ON THE DRAWINGS. MOUNTED 4 FT 6 IN. ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
	REMOTE WALL STROBE SIGNALER
	SYSTEM HEAT DETECTOR
	SYSTEM SMOKE DETECTOR
	SYSTEM SMOKE DETECTOR WITH SOUNDER BASE
	SYSTEM SMOKE DETECTOR WITH STROBE BASE
	120V SMOKE DETECTOR W/ BATTERY BACKUP
	120V SMOKE DETECTOR W/ BATTERY BACKUP & SOUNDER BASE
	120V SMOKE DETECTOR W/ BATTERY BACKUP & STROBE BASE
	120V COMBO SMOKE / CARBON MONOXIDE DETECTOR W/ BATTERY BACKUP
	FIRE SMOKE DAMPER (BY MC), PROVIDE DUCT DETECTOR, 120V POWER, & INTERLOCK TO FIRE ALARM SYSTEM. COORDINATE FINAL COUNTS AND LOCATIONS WITH M.C.

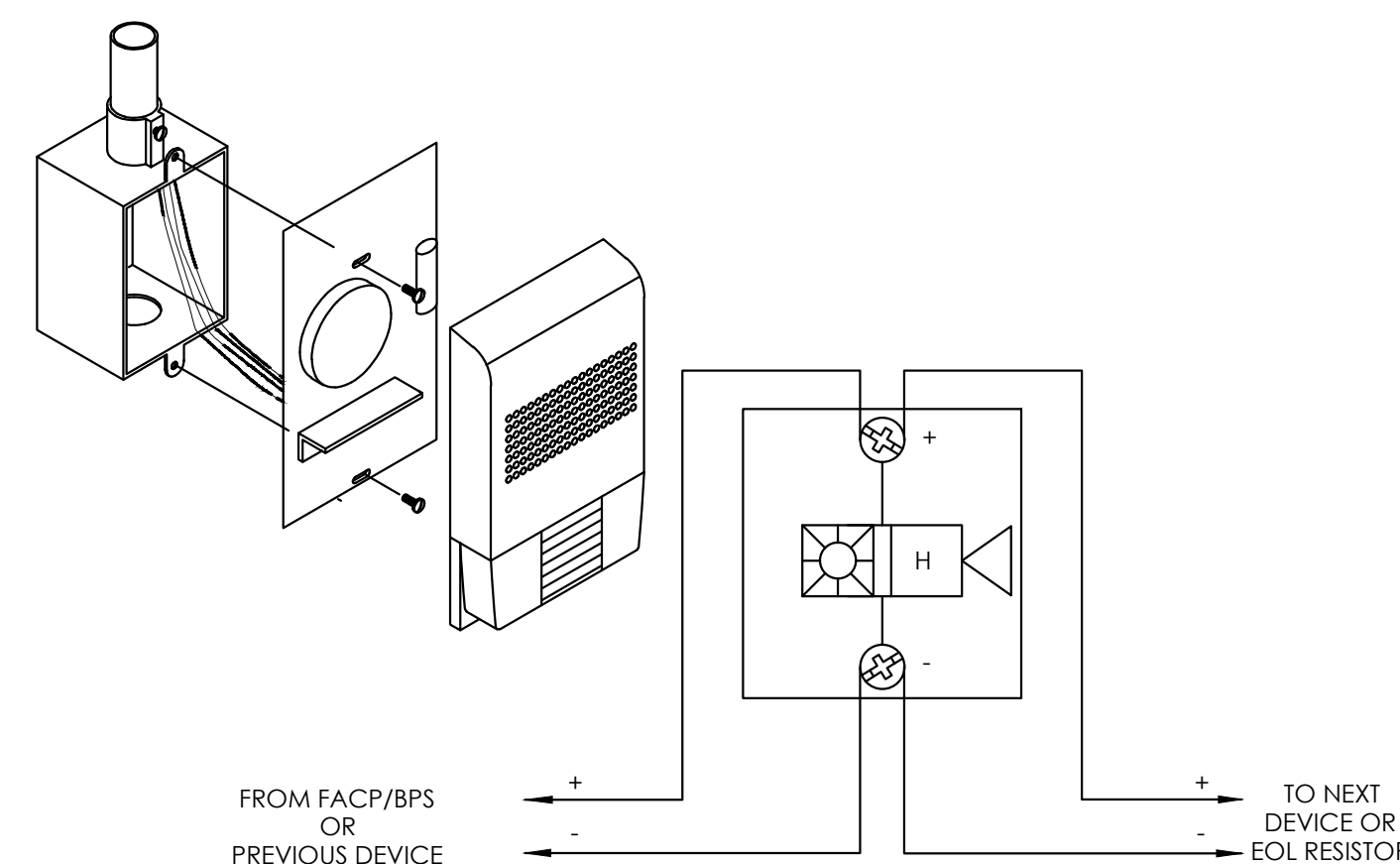


2 TYPICAL STROBE
FA300 NTS



3 TYPICAL PULL STATION
FA300 NTS

1 BUILDING FIRE ALARM RISER DIAGRAM
FA300 NTS



4 TYPICAL HORN STROBE
FA300 NTS

FIRE ALARM GENERAL NOTES:

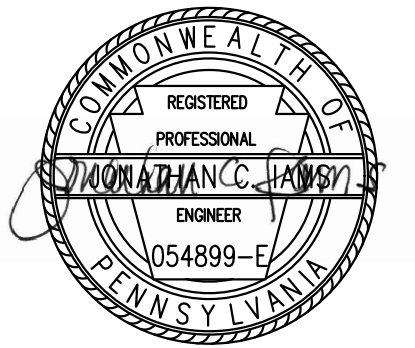
- FIRE ALARM SYSTEM SHALL BE A SEIMENS PYROTRONICS SYSTEM, OR APPROVED EQUAL.
- THE ACTUAL MOUNTING LOCATIONS FOR ALL DEVICES SHALL BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS. ALL WIRING SHALL BE INSTALLED IN A MINIMUM 3/4" CONDUIT OR APPROVED METALLIC RACEWAY IN COMPLIANCE WITH ARTICLE 760 OF NFPA 70 (THE NATIONAL ELECTRICAL CODE), SIZED AS REQUIRED TO ACCOMMODATE THE NECESSARY CABLES AND COMPLY WITH ALL STATE AND LOCAL BUILDING CODES.
- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD 70(NEC), STANDARD 72, THE AMERICAN'S WITH DISABILITY ACT (ADA) AND MEET ALL REQUIREMENTS OF ALL STATE AND LOCAL BUILDING CODES.
- AS PART OF THIS CONTRACT, THE ELECTRICAL CONTRACTOR SHALL PAY ALL NECESSARY PERMITS AND FEES INCLUDING THE COST OF THE FINAL INSPECTION BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ).
- WIRING AS SHOWN IS DIAGRAMMATIC AND IS NOT INTENDED TO INDICATE THE ACTUAL PATH OF CONDUIT. THE CONTRACTOR SHALL DETERMINE ACTUAL ROUTING PRIOR TO INSTALLING WITH OWNER'S REPRESENTATIVE.
- CONTRACTOR TO VERIFY QUANTITIES & CANDELA REQUIREMENTS W/ PLANS.
- PROVIDE SHOP DRAWINGS IN ACCORDANCE WITH CODE, IBC SECTION 907.1.2 FIRE ALARM SHOP DRAWINGS. SHOP DRAWINGS FOR FIRE ALARM SYSTEMS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO SYSTEM INSTALLATION AND SHALL INCLUDE, BUT NOT LIMITED TO, ALL OF THE FOLLOWING:
 A FLOOR PLAN THAT INDICATES THE USE OF ALL ROOMS.
 LOCATION OF ALARM INITIATING DEVICES.
 LOCATION OF ALARM NOTIFICATION APPLIANCES, INCLUDING CANDELA RATINGS FOR VISIBLE ALARM NOTIFICATION.
 LOCATION OF FIRE ALARM CONTROL UNIT, TRANSPONDERS AND NOTIFICATION POWER SUPPLIES.
 ANNUNCIATORS.
 POWER CONNECTION.
 BATTERY CALCULATIONS.
 CONDUCTOR TYPE AND SIZES.
 VOLTAGE DROP CALCULATIONS.
 MANUFACTURERS' DATA SHEETS INDICATING MODEL NUMBERS AND LISTING INFORMATION FOR EQUIPMENT, DEVICES AND MATERIALS.
 DETAILS OF CEILING HEIGHT AND CONSTRUCTION.
 THE INTERFACE OF FIRE SAFETY CONTROL FUNCTIONS.
 CLASSIFICATION OF THE SUPERVISING STATION.

Fukui Architects Pc

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seal

general notes

- Any conflicts in the drawings or between new and existing construction shall be referred to the Architect.
- Contractor shall verify all dimensions and existing conditions in the field and shall advise Fukui Architects, Pc of any discrepancies between, additions to, deletions from, or alterations to any and all conditions prior to proceeding with any phase of work. **Do not scale drawings.**
- All work shall be installed in accordance with applicable codes and regulations.
- Contractor shall be responsible for the patching, repairing, and preparations of all existing floor, wall, and ceiling surfaces as required to receive scheduled finishes.
- All items shown on drawings are finished construction assemblies. Contractor shall provide and install all material required for finished assemblies.
- All reports, plans, specifications, computer files, field data, notices, and other documents and instruments prepared by the Architect as instruments of service shall remain the property of the Architect. The Architect shall retain all common law statutory, and other reserved rights, including the copyright thereto.

revisions

project title

Owner:
HACP
200 Ross Street
Pittsburgh, PA, 15219

Client:
Allies & Ross Management and
Development Corporation (ARMDC)
200 Ross Street
Pittsburgh, PA 15219

Project Location:
Northview Heights Midrise
246 Penfort Street
Pittsburgh, PA 15214

drawing title

Fire Alarm Riser & Details

scale As Noted	Sheet No. FA300 Project #2040
date December 3rd, 2023	
no. 233	of. 233