

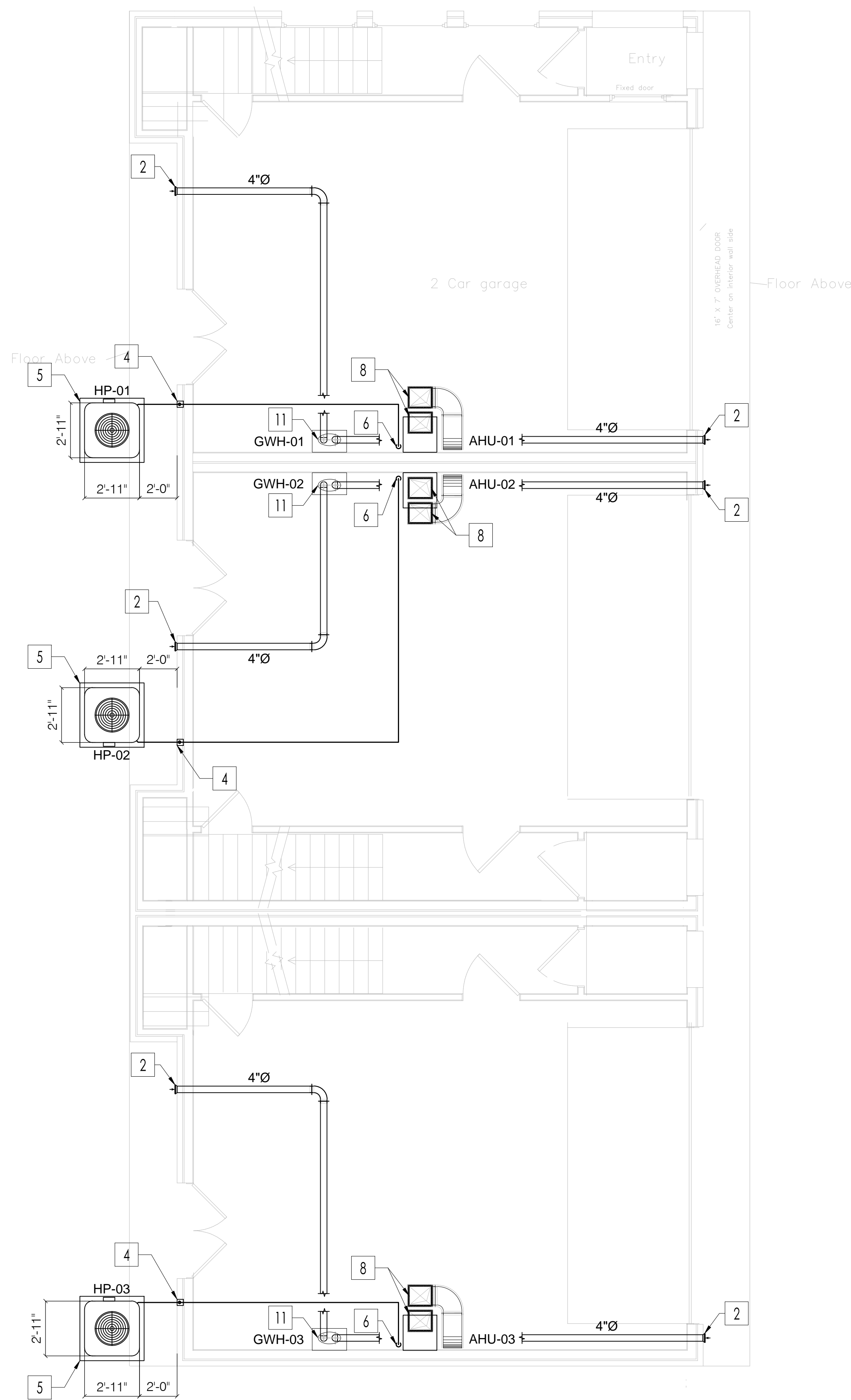
**GDI ENGINEERING**



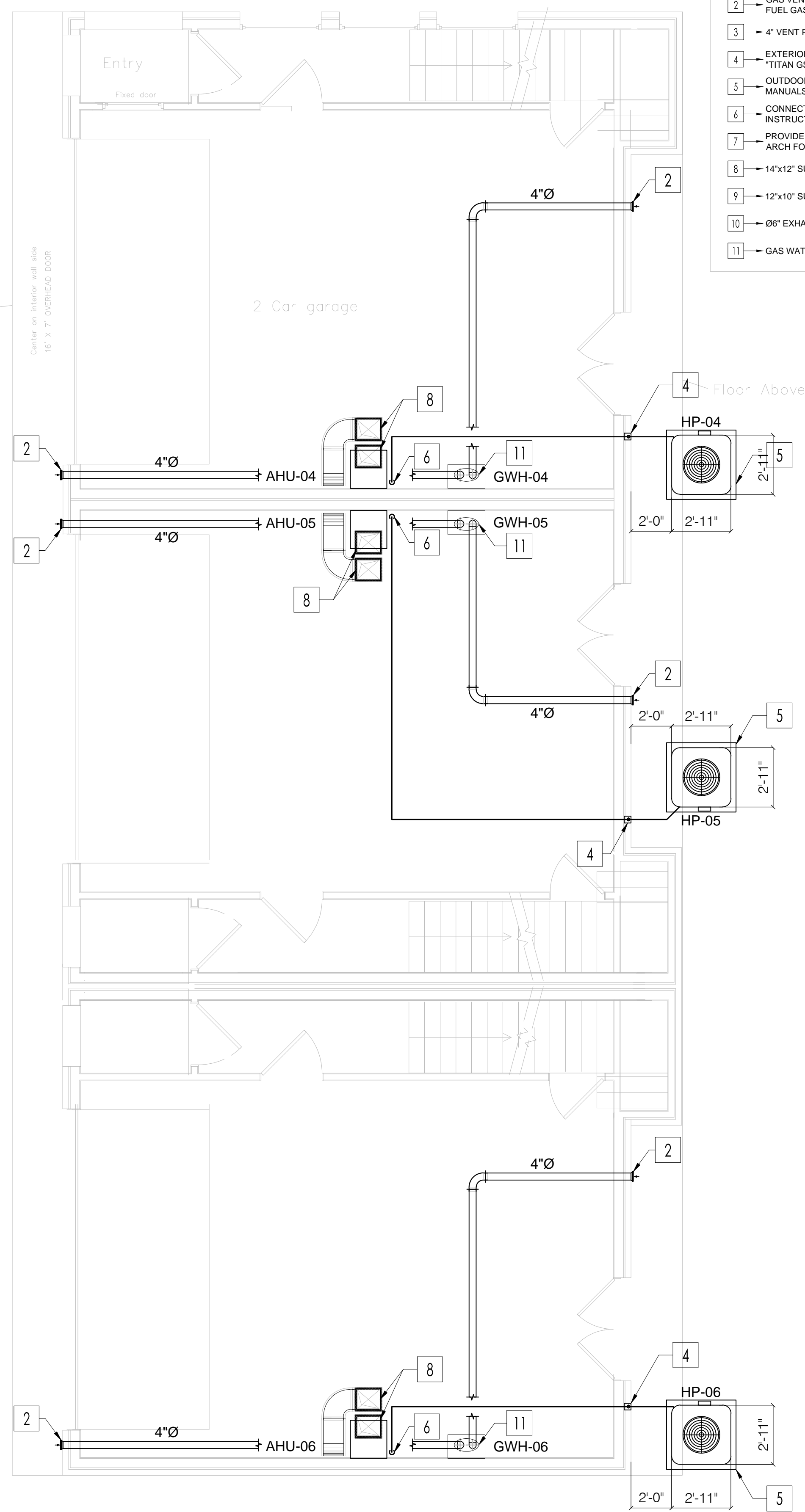
# **6 Unit Apartment**

Multifamily

**Fort Worth - Texas**



1St. Floor Plan  
Scale: 1'-0"=1/4"



- MECHANICAL KEYED NOTES:
- 1 → DRYER VENT BOX MODEL DB-480 WITH GAS PORT.  
DRY WALL VENT ABOVE TOWARD THE OUTDOORS MODEL DWV4 / COLOR AS PER CLIENT'S CHOICE.
  - 2 → GAS VENT TO OUTDOORS TO BE LOCATED AWAY FROM DOORS & WINDOWS AS SPECIFIED BY THE INTERNATIONAL FUEL GAS CODE APPENDIX C - EXIT TERMINALS OF MECHANICAL DRAFT & DIRECT VENTING SYSTEMS.
  - 3 → 4" VENT PIPE CONNECTION FROM BELOW.
  - 4 → EXTERIOR WALL SEAL PENETRATION OUTLET WITH ELASTOMETRIC LINE-SET COMPRESSION SLEEVE TYPE "TITAN Q330" BY AIREX MANUFACTURING INC. & REFRIGERANT PIPE LINES TO ABOVE IN WALL.
  - 5 → OUTDOOR HEAT PUMP 41"x41" (SIZE TO BE CONFIRMED ACCORDING TO MANUFACTURER'S INSTALLATION MANUALS) CONCRETE SLAB - INSTALL UNIT ON VIBRATION ISOLATORS.
  - 6 → CONNECT REFRIGERANT PIPES TO AHU COIL - PROVIDE LINE ACCESSORIES AS PER MANUFACTURER'S INSTRUCTIONS AND INSTALLATION DETAILS.
  - 7 → PROVIDE A/C THERMOSTATS AT MIN. +48" ABOVE FLOOR LEVEL, COORDINATE WITH CLIENT / CLIENT REP. / ARCH FOR FINAL INSTALLATION POSITION PRIOR TO CABLE PULLING AND FIXATION.
  - 8 → 14"x12" SUPPLY & RETURN AIR RISER DUCTS FROM AHU TO UPPER FLOORS.
  - 9 → 12"x10" SUPPLY & RETURN AIR RISER DUCTS FROM SECOND TO THIRD FLOOR.
  - 10 → Ø6" EXHAUST AIR DUCTS TO ROOF.
  - 11 → GAS WATER HEATER 4" ROUND INTAKE AND 4" ROUND VENT CONNECTIONS TO OUTDOORS.

A MULTI FAMILY PROJECT:  
Normad Build One, LLC

Kashif Reaz  
1104 Greer St  
Fortworth, TX

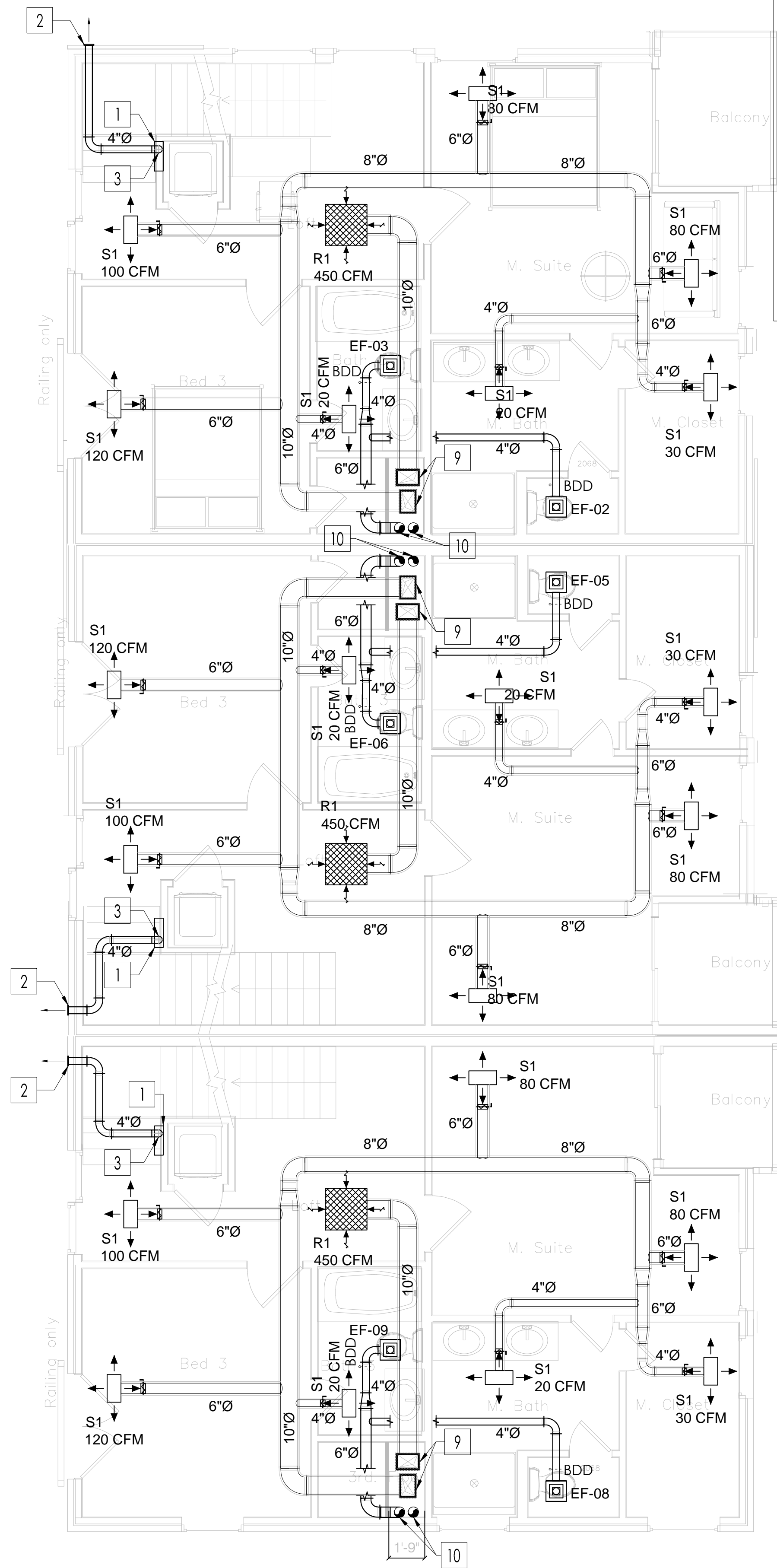
Kashif Reaz, 1104 Greer St  
Fortworth, TX

MECHANICAL FIRST  
FLOOR LAYOUT.

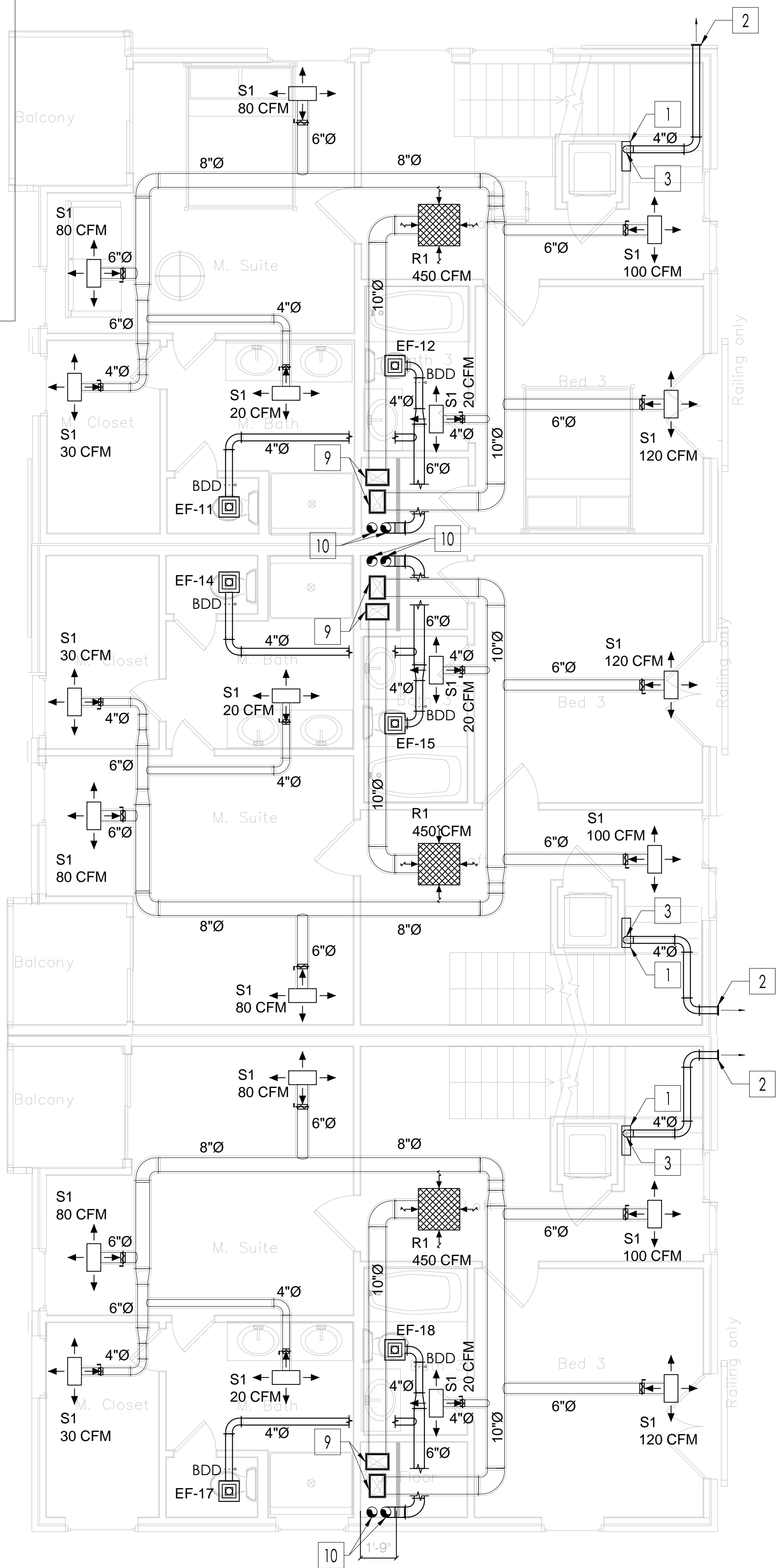
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Date: 06.22.2023 | PROJ.NO.:

**M 2.00**

SHEET NO.



- MECHANICAL KEYED NOTES:**
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  - 11 GAS WATER HEATER 4" ROUND INTAKE AND 4" ROUND VENT CONNECTIONS TO OUTDOORS.



3rd Floor Plan  
Scale: 1'-0"=1/4"

A MULTI FAMILY PROJECT:  
Normad Build One, LLC  
Kashif Reaz  
1104 Greer St  
Fortworth, TX

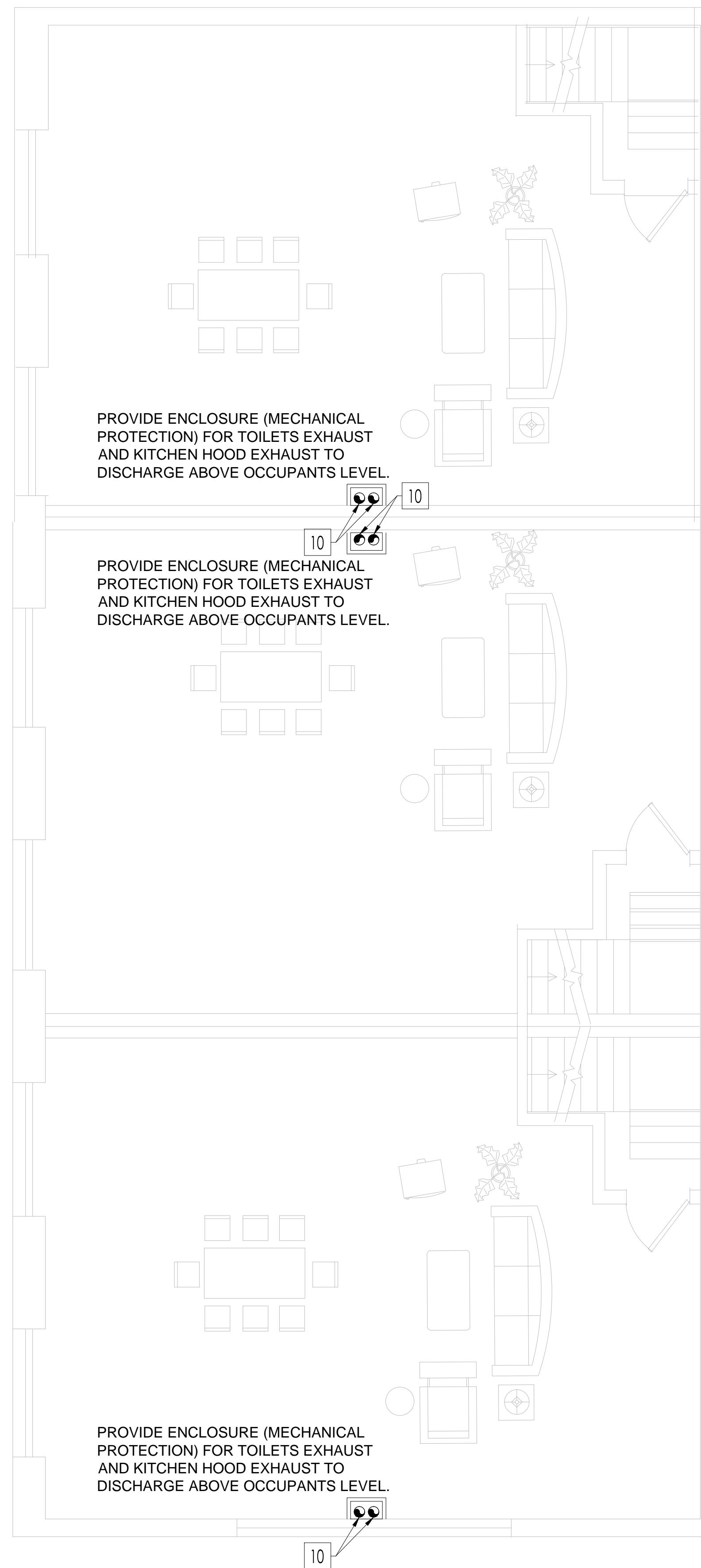
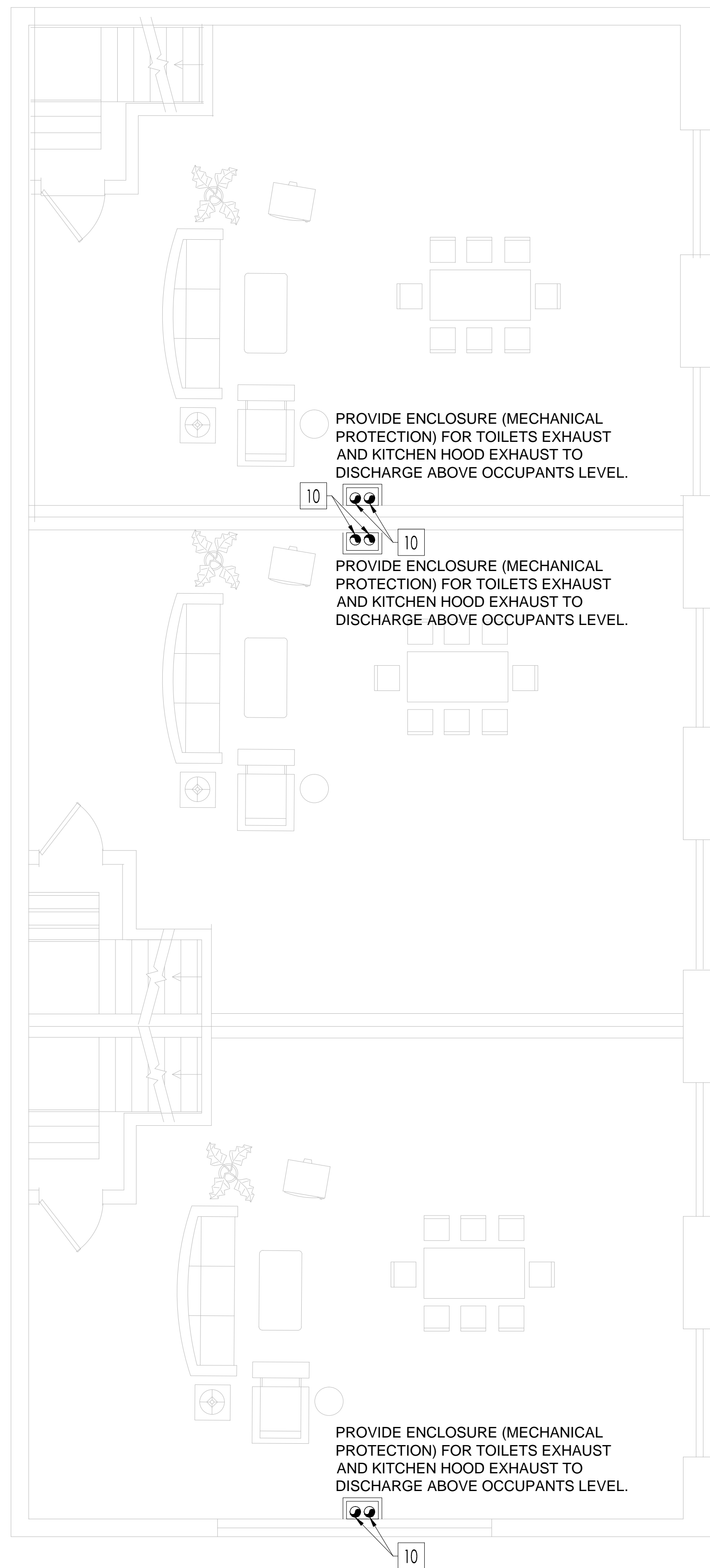
Kashif Reaz, 1104 Greer St  
Fortworth, TX

MECHANICAL  
THIRD FLOOR  
LAYOUT.

Drawn By: M.F. Scale: 1/4"= 1'-0"  
Date: 06.22.2023 PROJ. NO.:

**M 4.00**

SHEET NO.



- MECHANICAL KEYED NOTES:**
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  - 10 — 06" EXHAUST AIR DUCTS TO ROOF.
  - 11 — GAS WATER HEATER 4" ROUND INTAKE AND 4" ROUND VENT CONNECTIONS TO OUTDOORS.

Roof Top Plan  
Scale: 1'-0"=3/16"

A MULTI FAMILY PROJECT:  
Normad Build One, LLC

Kashif Reaz  
1104 Greer St  
Fortworth, TX

Kashif Reaz, 1104 Greer St  
Fortworth, TX

**MECHANICAL ROOF FLOOR.**

Drawn By: M.F. Scale: 1/4"= 1'-0"  
Date: 06.22.2023 PROJ.NO.:

**M 5.00**

SHEET NO.

Project Summary Entire House. Project Information, Design Information, Heating Summary, Cooling Summary, Infiltration, and Equipment Summary tables.

AED Assessment Entire House. Project Information, Design Conditions, Test for Adequate Exposure Diversity, and Hourly Glazing Load graph.

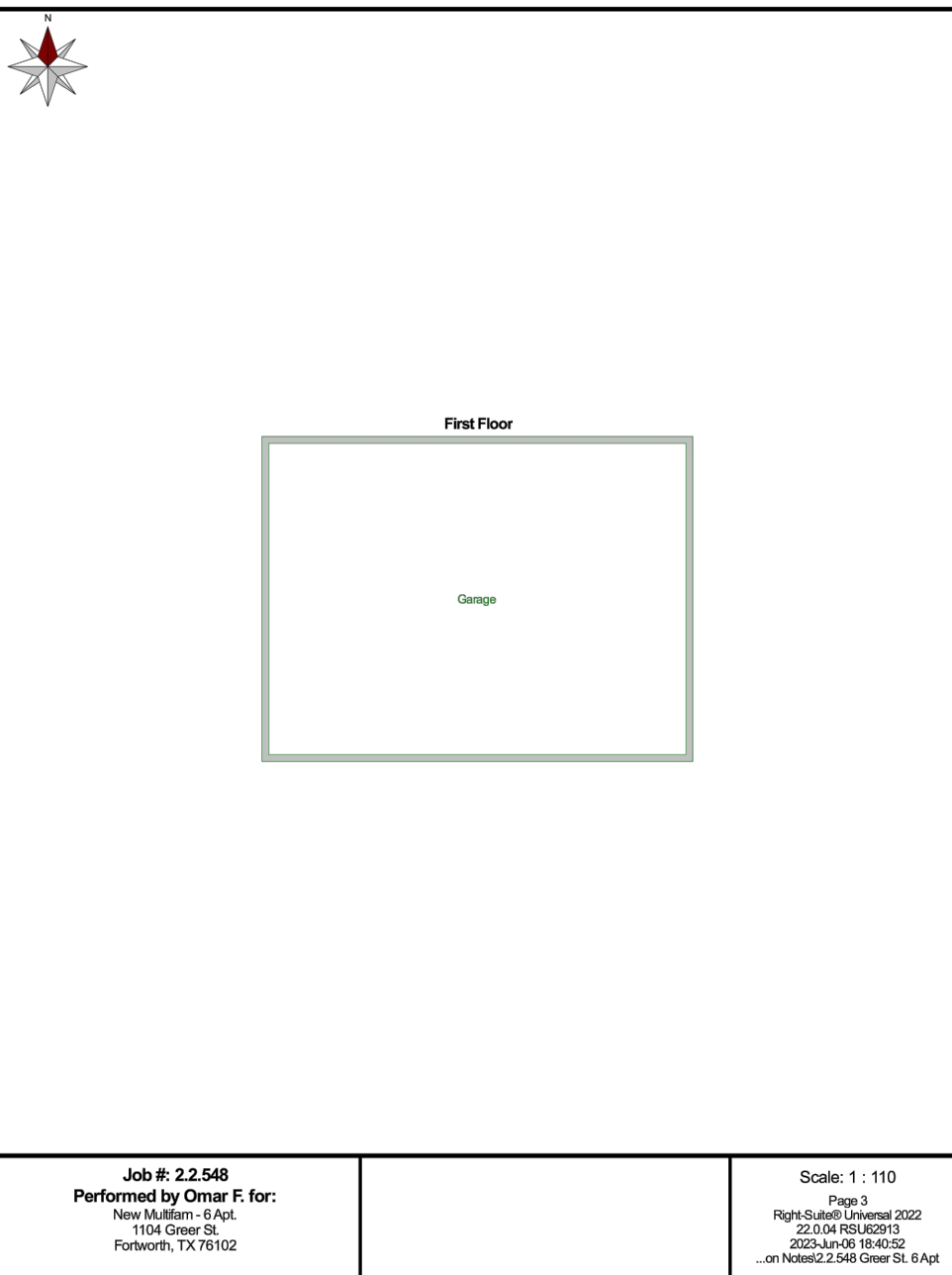
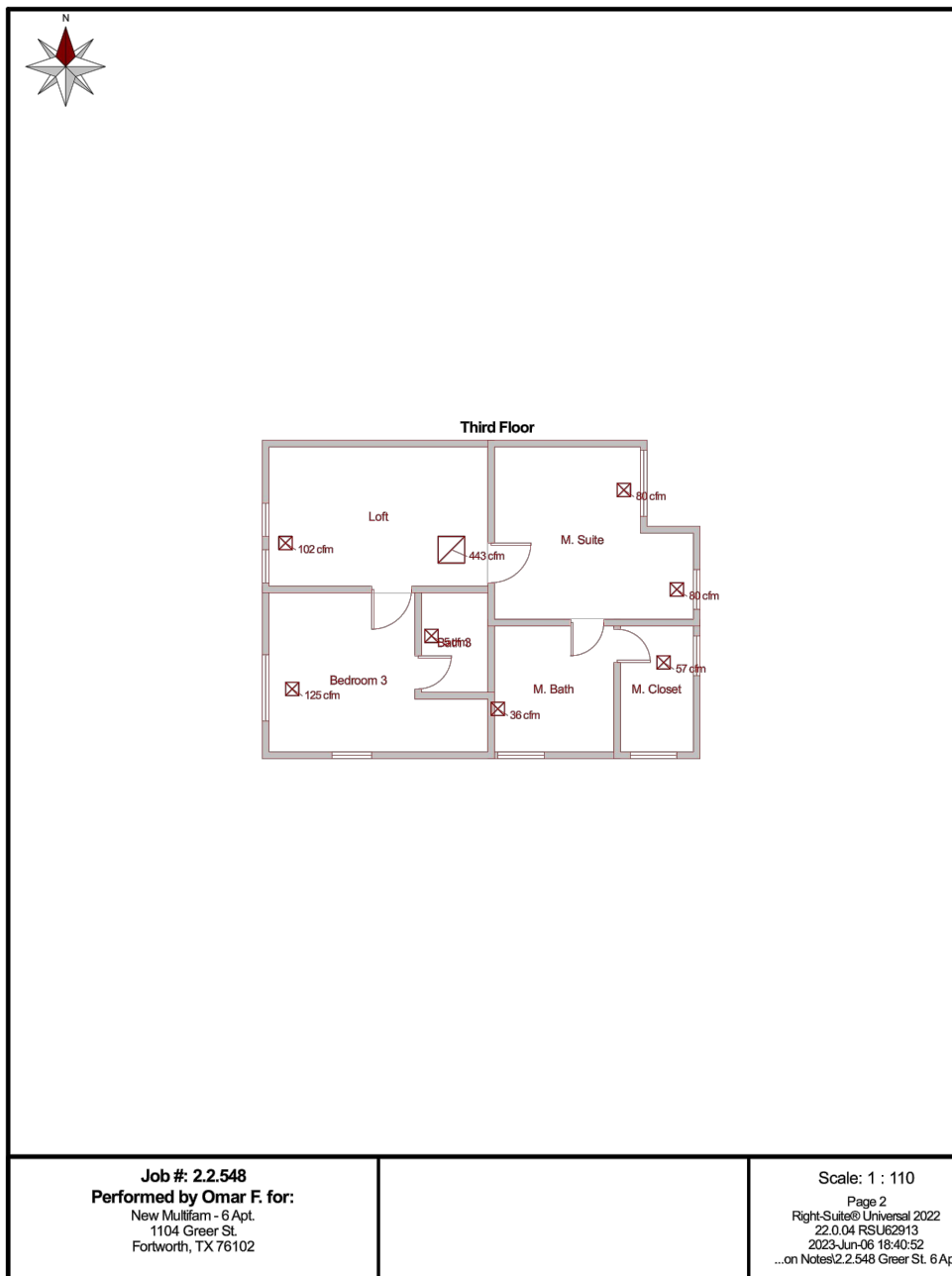
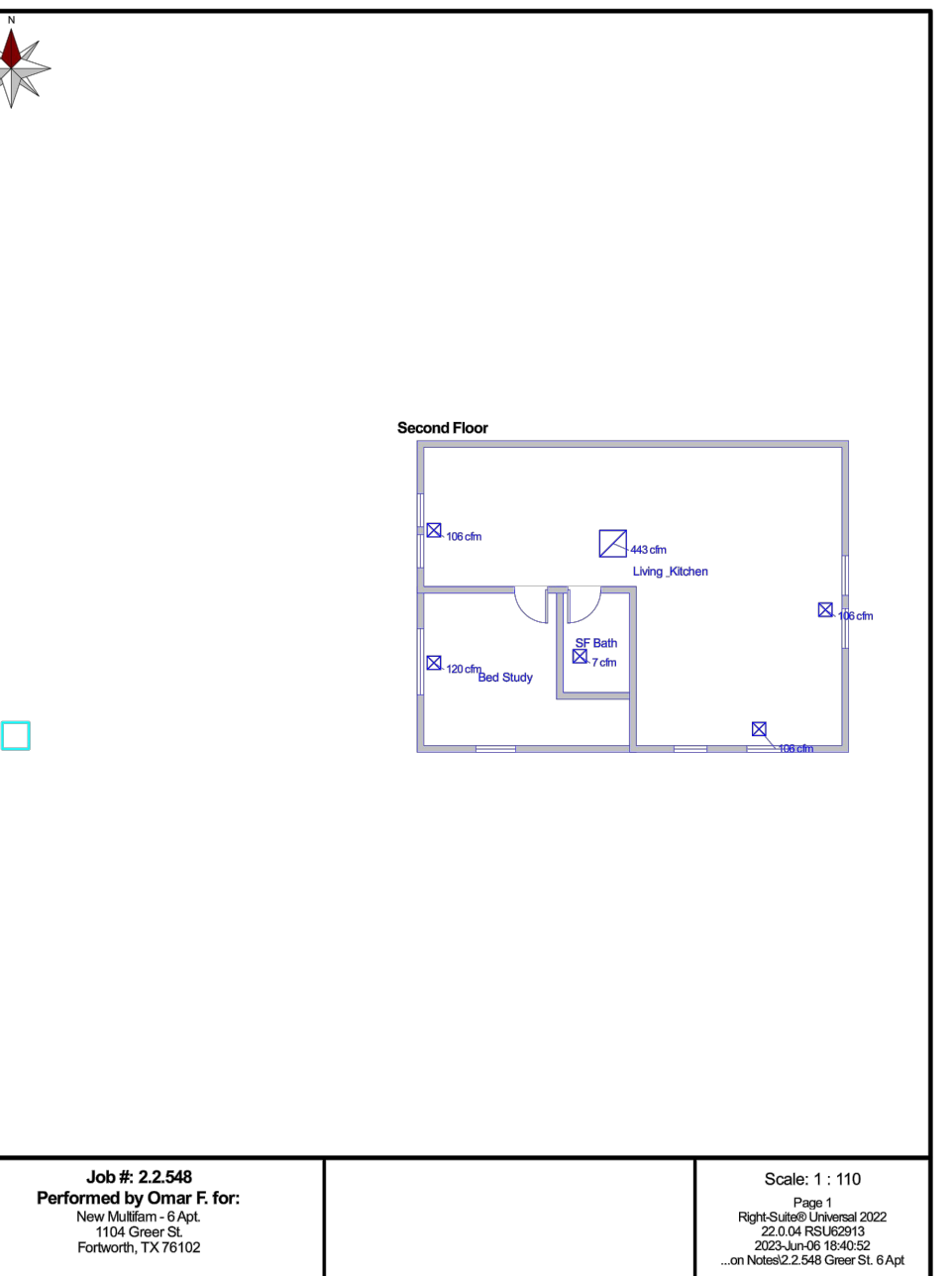
Right-J0 Worksheet Entire House. Detailed room-by-room load calculation table with columns for room name, construction, and various load metrics.

Right-J0 Worksheet Entire House. Detailed room-by-room load calculation table, similar to the previous one.

Right-J0 Worksheet Entire House. Detailed room-by-room load calculation table.

Right-J0 Worksheet Entire House. Detailed room-by-room load calculation table.

Right-J0 Worksheet Entire House. Detailed room-by-room load calculation table.



Duct System Summary Entire House. Project Information, External static pressure, Supply Branch Detail Table, and Return Branch Detail Table.

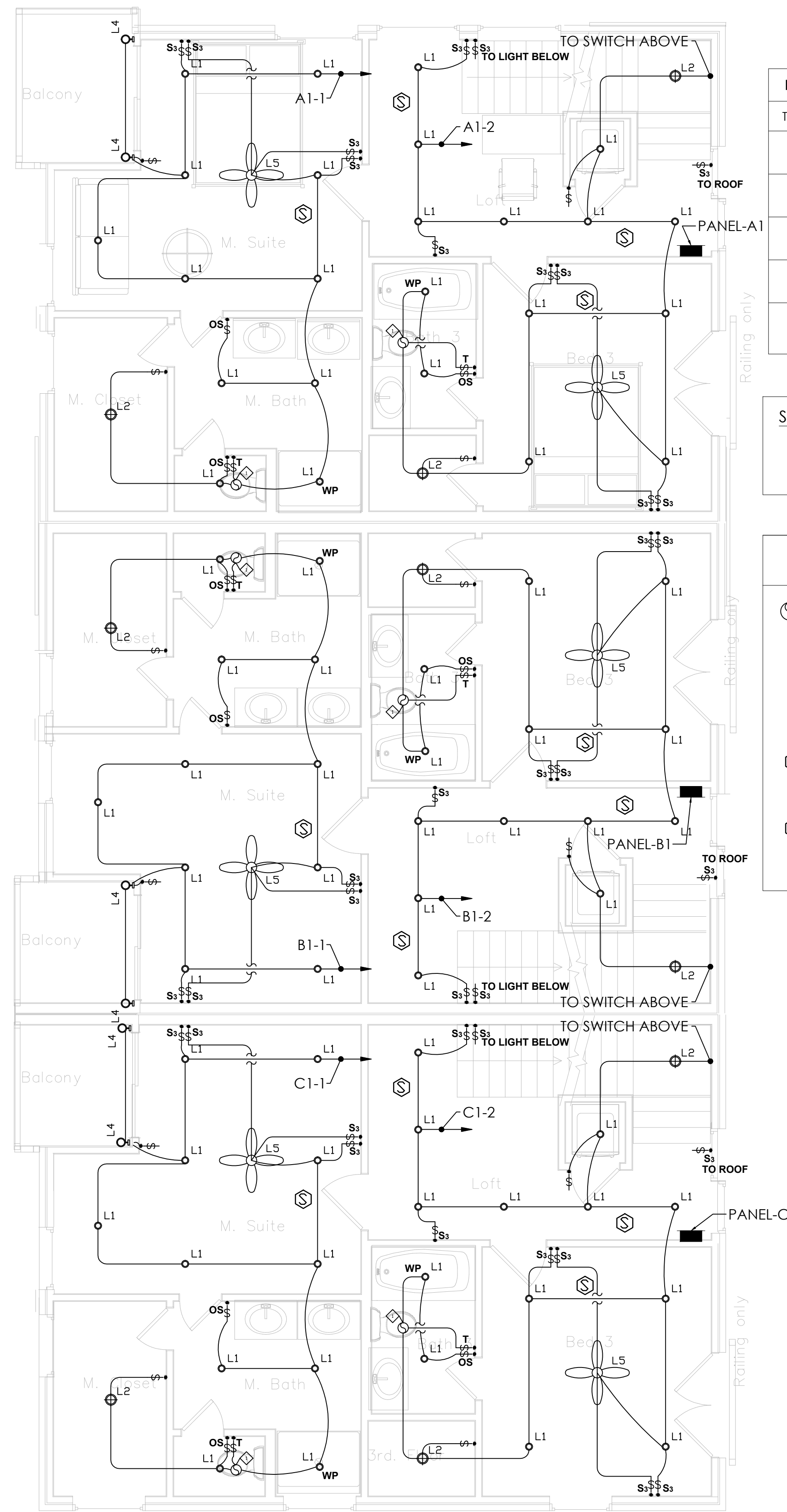
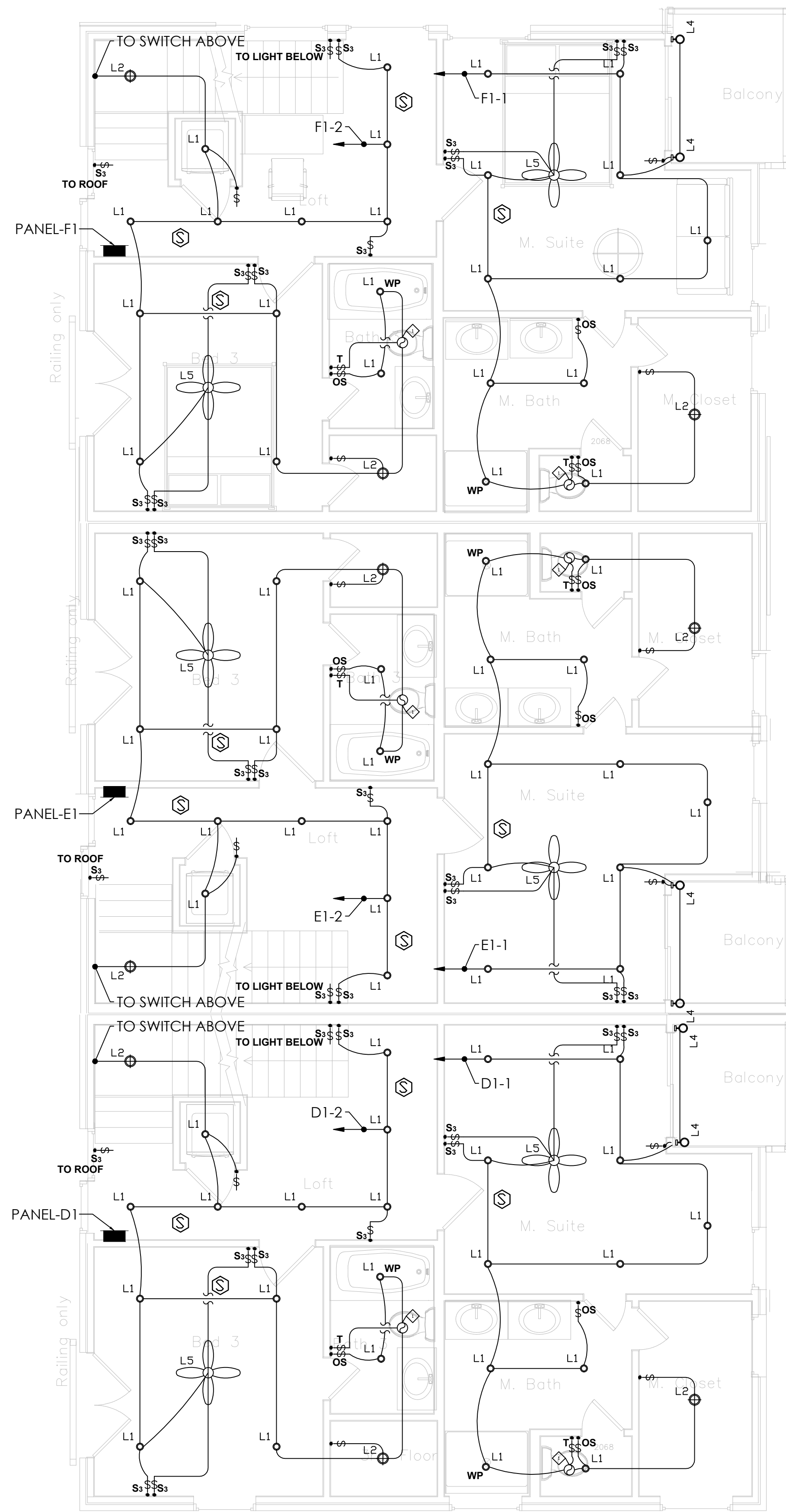
A MULTI FAMILY PROJECT: Normad Build One, LLC. Kashif Reaz, 1104 Greer St Fortworth, TX

Kashif Reaz, 1104 Greer St Fortworth, TX

HEAT LOAD CALCULATION.

Drawn By: M.F Scale: NTS

Date: 06.22.2023 PROJ.NO.: M 8.00 SHEET NO.



**NOTE-GEN-CENLEFT**

TAG	SYMBOL	DESCRIPTION	TYPE	W	V	MOUNT.	MANUF.	MODEL
L1	○	RECESSED DOWNLIGHT - 4"	LED	15W	120V	REC.	TBD	TBD
L2	⊕	SUSPENDED PENDANT LAMP	LED	15W	120V	SUSP.	TBD	TBD
L3	○	1'x4' SURFACE MOUNTED	LED	33W	120V	SUSP.	TBD	TBD
L4	⊕	OUTDOOR WALL SCNCE	LED	15W	120V	WALL	TBD	TBD
L5	⊗	SUSPENDED CEILING FAN LIGHT COMBO	LED	75W	120V	SUSP.	WESTING-HOUSE	7205900

**SHEET NOTES:**

◆ PROVIDE HEAVY DUTY JUNCTION BOX, FLUSH IN CEILING (OR WALL) FOR EXHAUST FAN

**ELECTRICAL LEGEND**

⊗	JUNCTION BOX FOR EXHAUST FANS
⊕	OCCUPANCY SENSOR
⊕	ONE WAY LIGHTING SWITCH
⊕	TWO WAYS LIGHTING SWITCH
⊕	SELF CONTAINED SMOKE/CARBON MONOXIDE (120 W/BATTERY BACKUP) - CEILING MOUNTED
⊕	SELF CONTAINED SMOKE DETECTOR/ANNUNCIATOR (120 W/BATTERY BACKUP) - CEILING MOUNTED SPECIFIED UL217

3rd Floor Plan  
Scale: 1'-0"=1/4"

A MULTI FAMILY PROJECT:  
Normad Build One, LLC  
Kashif Reaz  
1104 Greer St  
Fortworth, TX

Kashif Reaz, 1104 Greer St  
Fortworth, TX

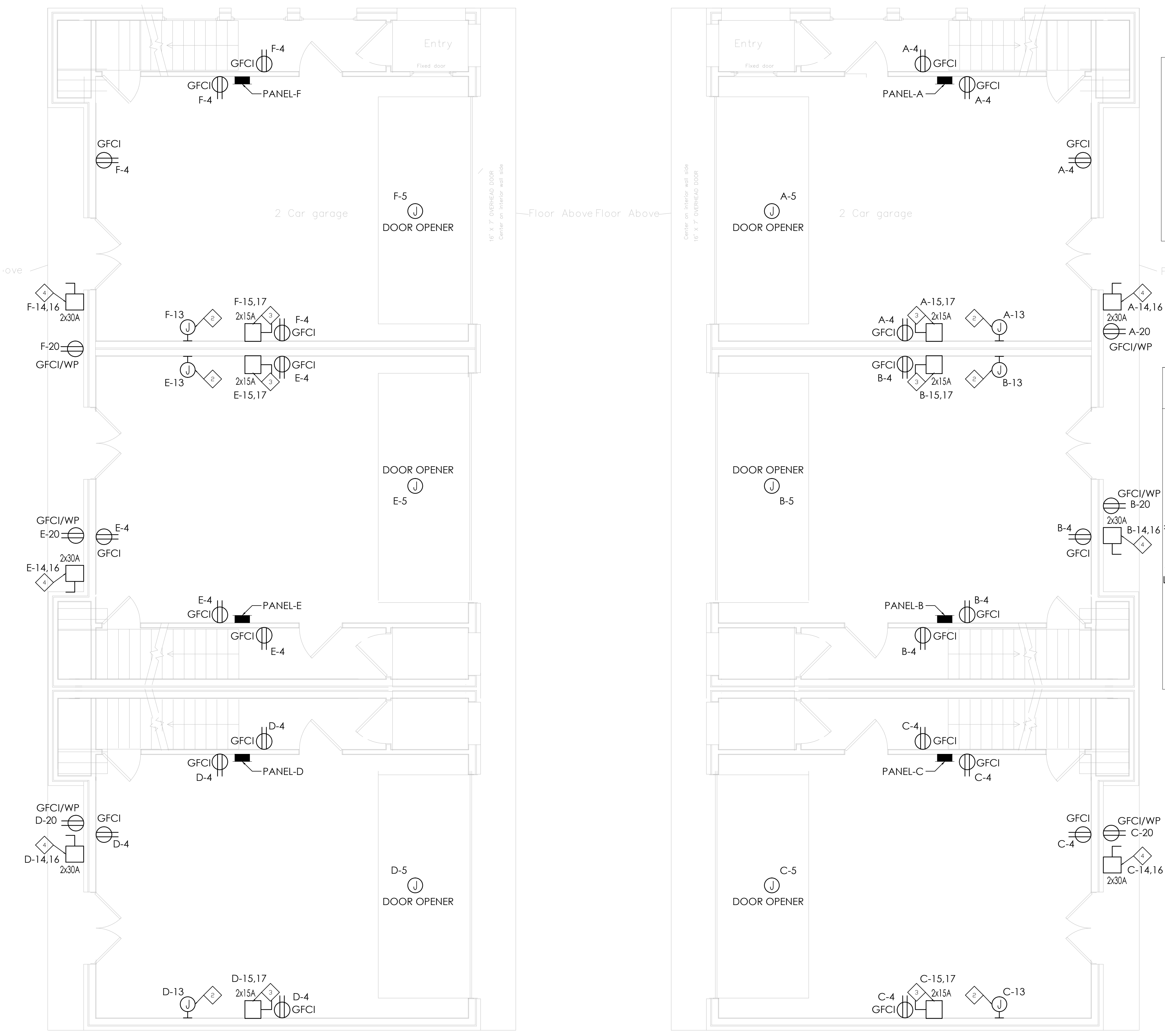
**LIGHTING LAYOUT  
3RD FLOOR**

Drawn By: A.B Scale: 1/4" = 1'-0"

Date: 06.16.2023 PROJ.NO.:

**E2.03**

SHEET NO.



**SHEET NOTES:**

- 1 — PROVIDE NEMA 3R DISCONNECT SWITCH FOR EXHAUST FAN
- 2 — PROVIDE JUNCTION BOX FOR GAS WATER HEATER
- 3 — PROVIDE NEMA 3R DISCONNECT SWITCH FOR AHU
- 4 — PROVIDE NEMA 3R DISCONNECT SWITCH FOR HP

**ELECTRICAL LEGEND**

	DUPLEX RECEPTACLE - WALL MOUNTED @ +18" AFF UNLESS NOTED GFCI DENOTES: GROUD FAULT PROTECTION
	DUPLEX RECEPTACLE - FLOOR MOUNTED IG DENOTES: IG TYPE
	QUADRIPLEX RECEPTACLE - WALL MOUNTED @ +18" AFF UNLESS NOTED GFCI DENOTES: GROUD FAULT PROTECTION
	NON-FUSED DISCONNECT SWITCH - SIZE AS INDICATED
	WALL MOUNTED ELECTRIC JUNCTION BOX
	CEILING MOUNTED ELECTRIC JUNCTION BOX

1st. Floor Plan  
Scale: 1'-0"=1/4"

A MULTI FAMILY PROJECT:  
Normad Build One, LLC  
  
Kashif Reaz, 1104 Greer St  
Fortworth, TX

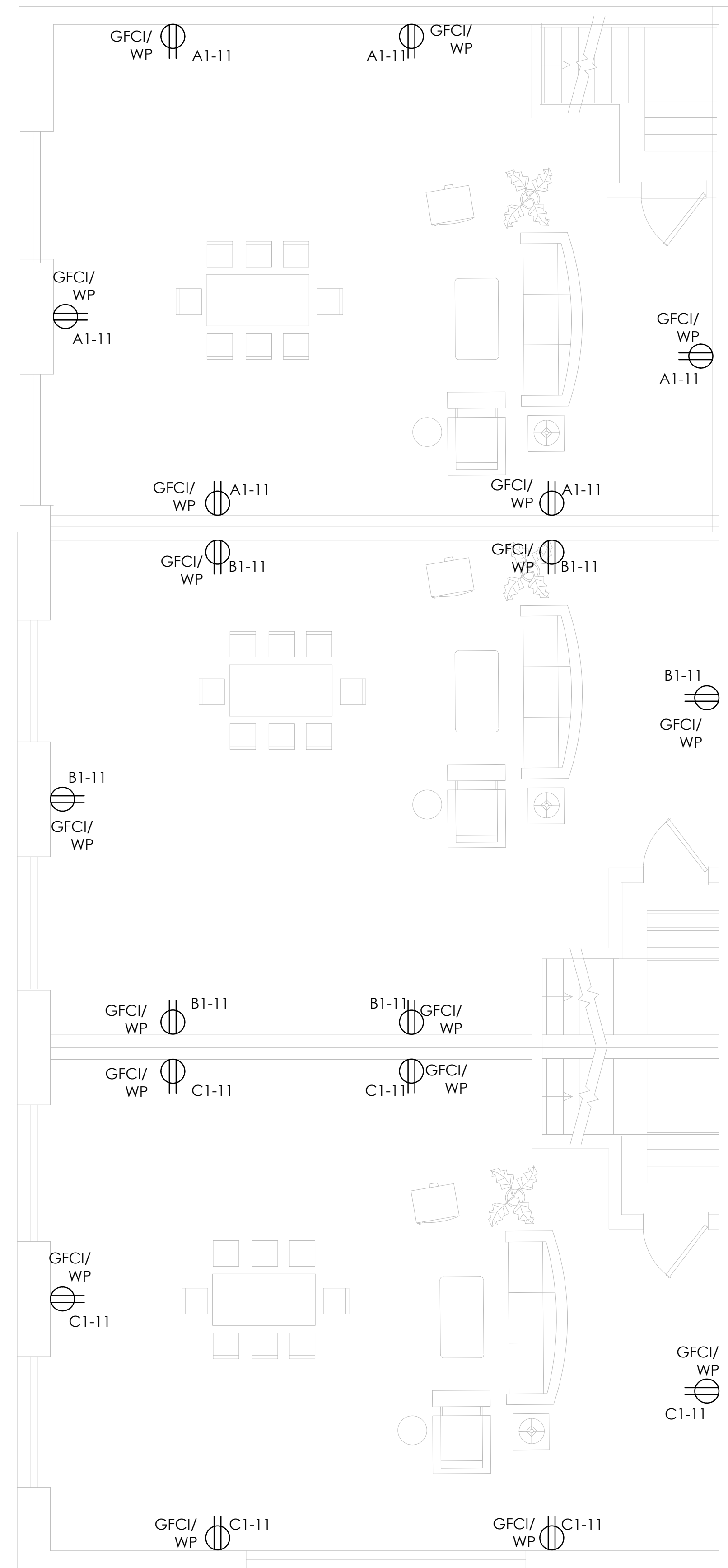
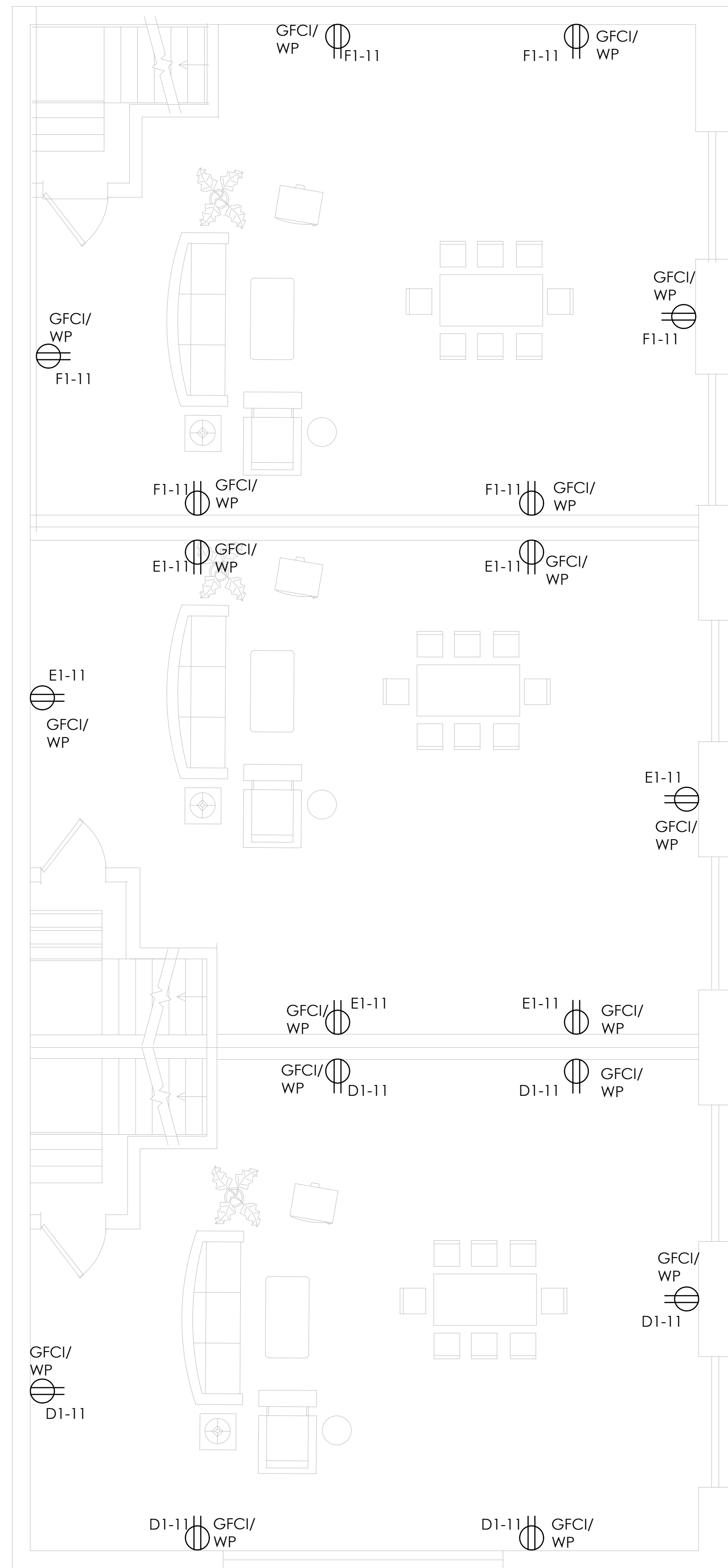
Kashif Reaz, 1104 Greer St  
Fortworth, TX

**POWER LAYOUT  
1ST FLOOR**

Drawn By: A.B      Scale: 1/4" = 1'-0"  
Date: 06.16.2023      PROJ.NO.:

**E3.01**

SHEET NO.



**SHEET NOTES:**

- 1 — PROVIDE NEMA 3R DISCONNECT SWITCH FOR EXHAUST FAN
- 2 — PROVIDE JUNCTION BOX FOR GAS WATER HEATER
- 3 — PROVIDE NEMA 3R DISCONNECT SWITCH FOR AHU
- 4 — PROVIDE NEMA 3R DISCONNECT SWITCH FOR HP

**ELECTRICAL LEGEND**

	DUPLEX RECEPTACLE - WALL MOUNTED @ +18" AFF UNLESS NOTED GFCI DENOTES: GROUD FAULT PROTECTION
	DUPLEX RECEPTACLE - FLOOR MOUNTED IG DENOTES: IG TYPE
	QUADRIplex RECEPTACLE - WALL MOUNTED @ +18" AFF UNLESS NOTED GFCI DENOTES: GROUD FAULT PROTECTION
	NON-FUSED DISCONNECT SWITCH - SIZE AS INDICATED
	WALL MOUNTED ELECTRIC JUNCTION BOX
	CEILING MOUNTED ELECTRIC JUNCTION BOX

Roof Top Plan  
Scale: 1'-0"=3/16"

A MULTI FAMILY PROJECT:  
Normad Build One, LLC  
  
Kashif Reaz  
1104 Greer St  
Fortworth, TX

Kashif Reaz, 1104 Greer St  
Fortworth, TX

**POWER LAYOUT  
ROOF FLOOR**

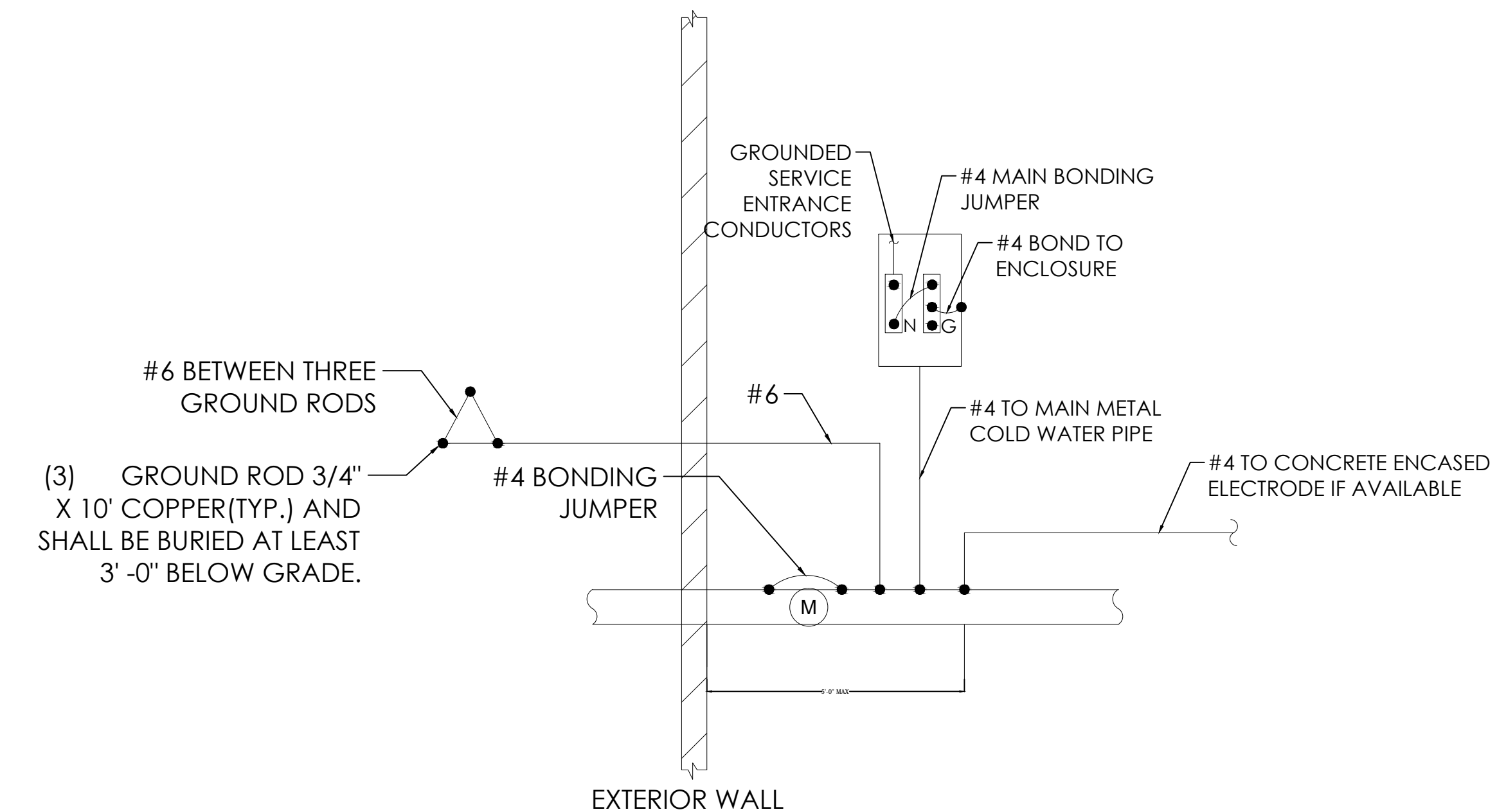
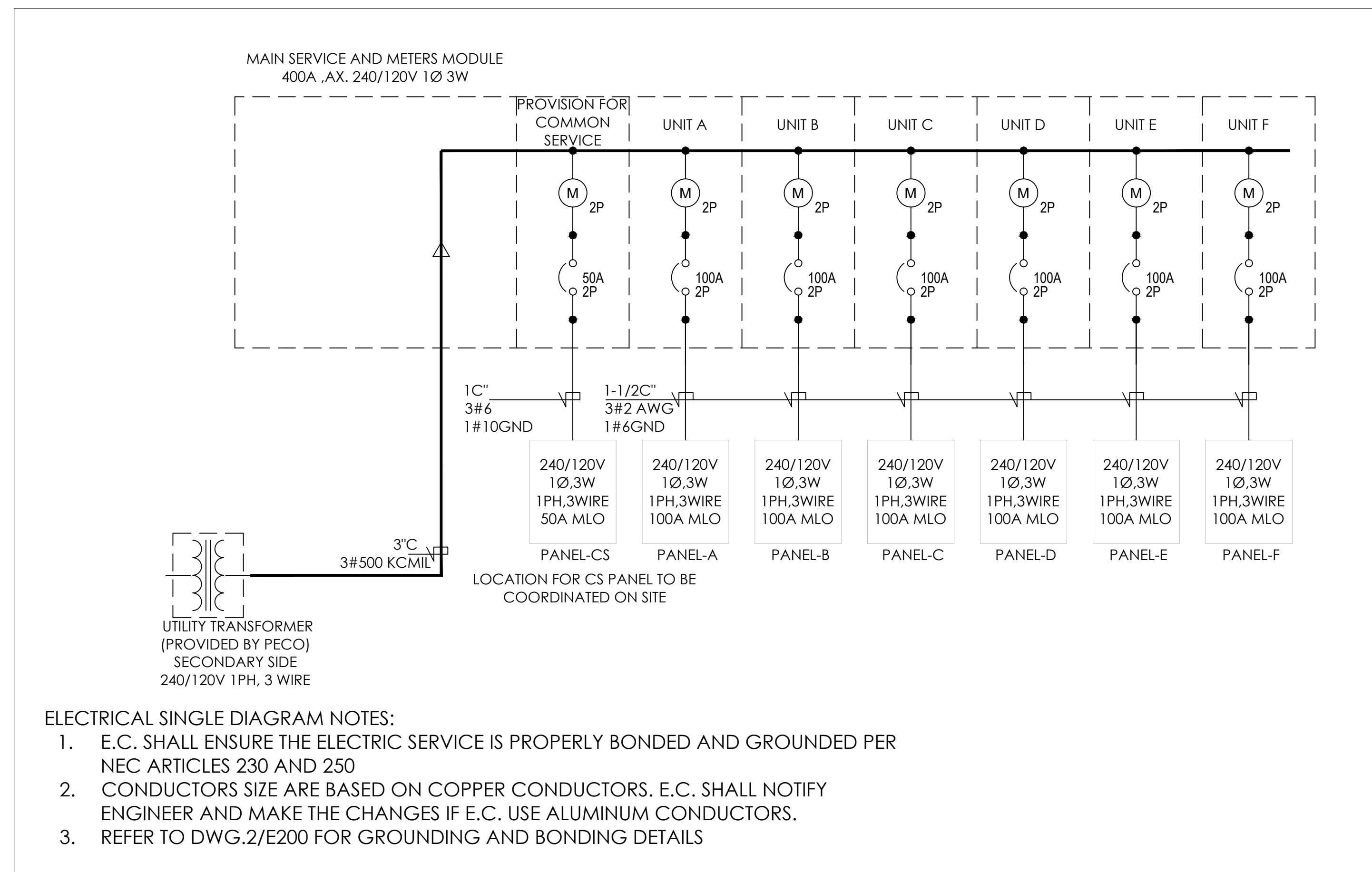
Drawn By: A.B      Scale: 1/4" = 1'-0"  
Date: 06.16.2023      PROJ.NO.:

**E3.04**

SHEET NO.



Multifamily Load Analysis - NEC 220.84												
Apartment N°	Floor/s	Area (ft²)	Loads in VA - NEC 220.82									Connected Load (VA)
			Lighting & Receptacles Load	Small Appliances Load	Laundry Circuit	Dishwasher Circuit	Water Heater Circuit	Range Circuit	Fridge	Disposal	Air Conditioning Circuit - Cooling	
Apt#1	4 FLOORS	3,100	9,300	3,000	2,000	1,000	500	500	1,000	900	5,920	24,120
Apt#2	4 FLOORS	3,100	9,300	3,000	2,000	1,000	500	500	1,000	900	5,920	24,120
Apt#3	4 FLOORS	3,100	9,300	3,000	2,000	1,000	500	500	1,000	900	5,920	24,120
Apt#4	4 FLOORS	3,100	9,300	3,000	2,000	1,000	500	500	1,000	900	5,920	24,120
Apt#5	4 FLOORS	3,100	9,300	3,000	2,000	1,000	500	500	1,000	900	5,920	24,120
Apt#6	4 FLOORS	3,100	9,300	3,000	2,000	1,000	500	500	1,000	900	5,920	24,120
<b>Total Connected Load (VA)</b>												<b>144,720</b>
<b>Demand Factor - NEC 220.84 / 6-7 Apt</b>												<b>0.44</b>
<b>Demand Load - Apartments (VA)</b>												<b>63,677</b>
<b>Demand Load - House Services (VA)</b>												<b>1,080</b>
<b>Demand Load - Total Building (VA)</b>												<b>64,757</b>
<b>Demand Load (Amps) @ 240V</b>												<b>270</b>
<b>Main Breaker Rating - NEC 240.6 (A)</b>												<b>400</b>
<b>Number of Raceways</b>												<b>1</b>
<b>Demand Load (Amps) @ 240V per Service Conductor</b>												<b>269.8</b>
<b>Each Main Service Conductor - NEC 310.15 (B) (16) - Copper @ 75°C - 310 Amps</b>												<b>500 Kcmil</b>
<b>CONDUIT SIZE</b>												<b>1 SET OF 3" EMT CONDUIT</b>



ELECTRICAL GROUNDING AND BONDING NOTES:

- E.C. SHALL ENSURE THE ELECTRIC SERVICE IS PROPERLY BONDED AND WALL GROUNDED PER NEC ARTICLES 230 AND 250.
- CONDUCTORS SIZE ARE BASED ON COPPER CONDUCTORS.
- BONDING JUMPER FOR WATER METER IS PERMITTED TO BE OMITTED IF NON-METALLIC WATER PIPE IS USED.

A MULTI FAMILY PROJECT:  
Normad Build One, LLC

Kashif Reaz  
1104 Greer St  
Fortworth, TX

Kashif Reaz, 1104 Greer St  
Fortworth, TX

**SINGLE LINE DIAGRAM  
& GROUNDING  
DETAILS**

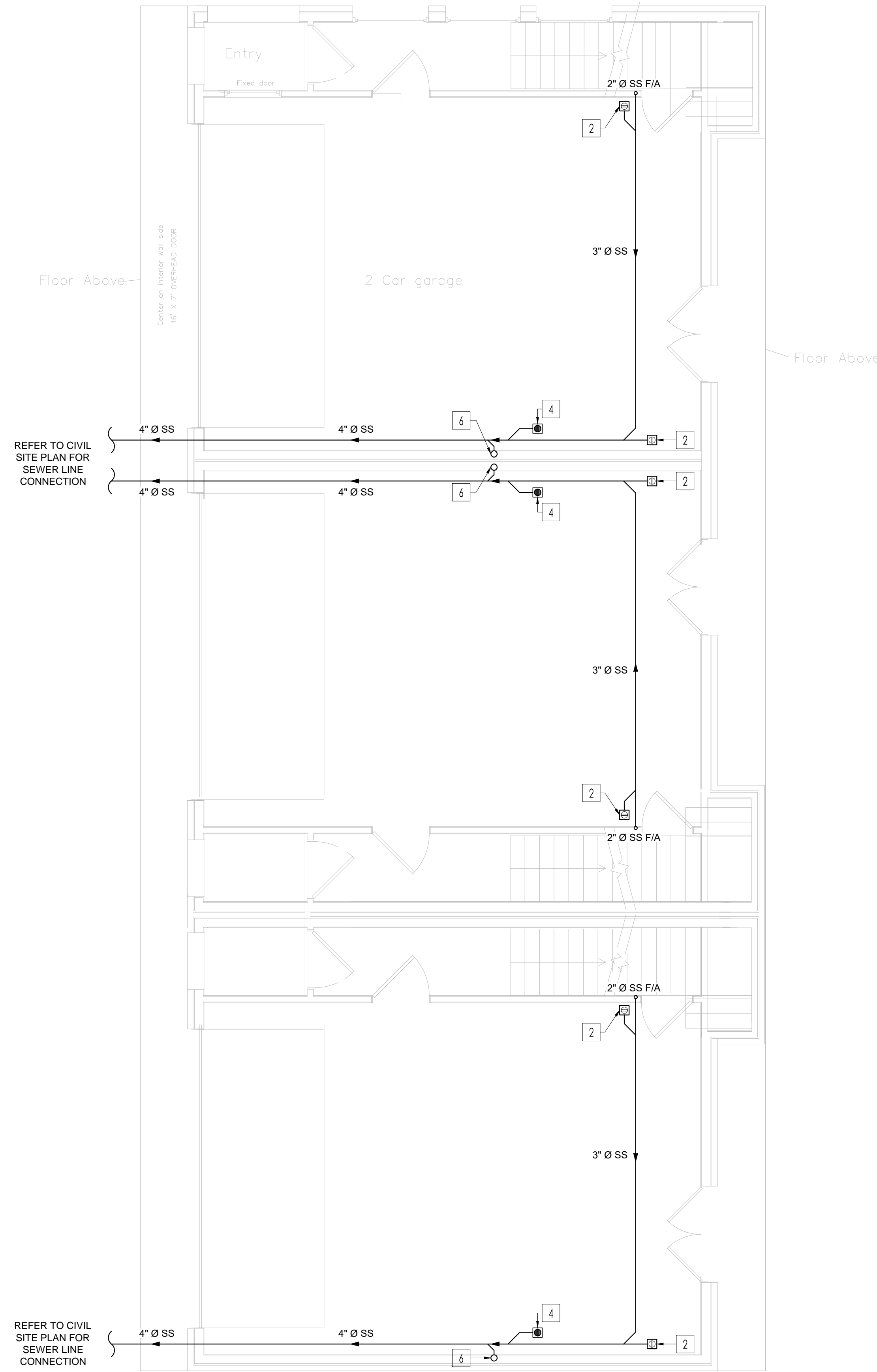
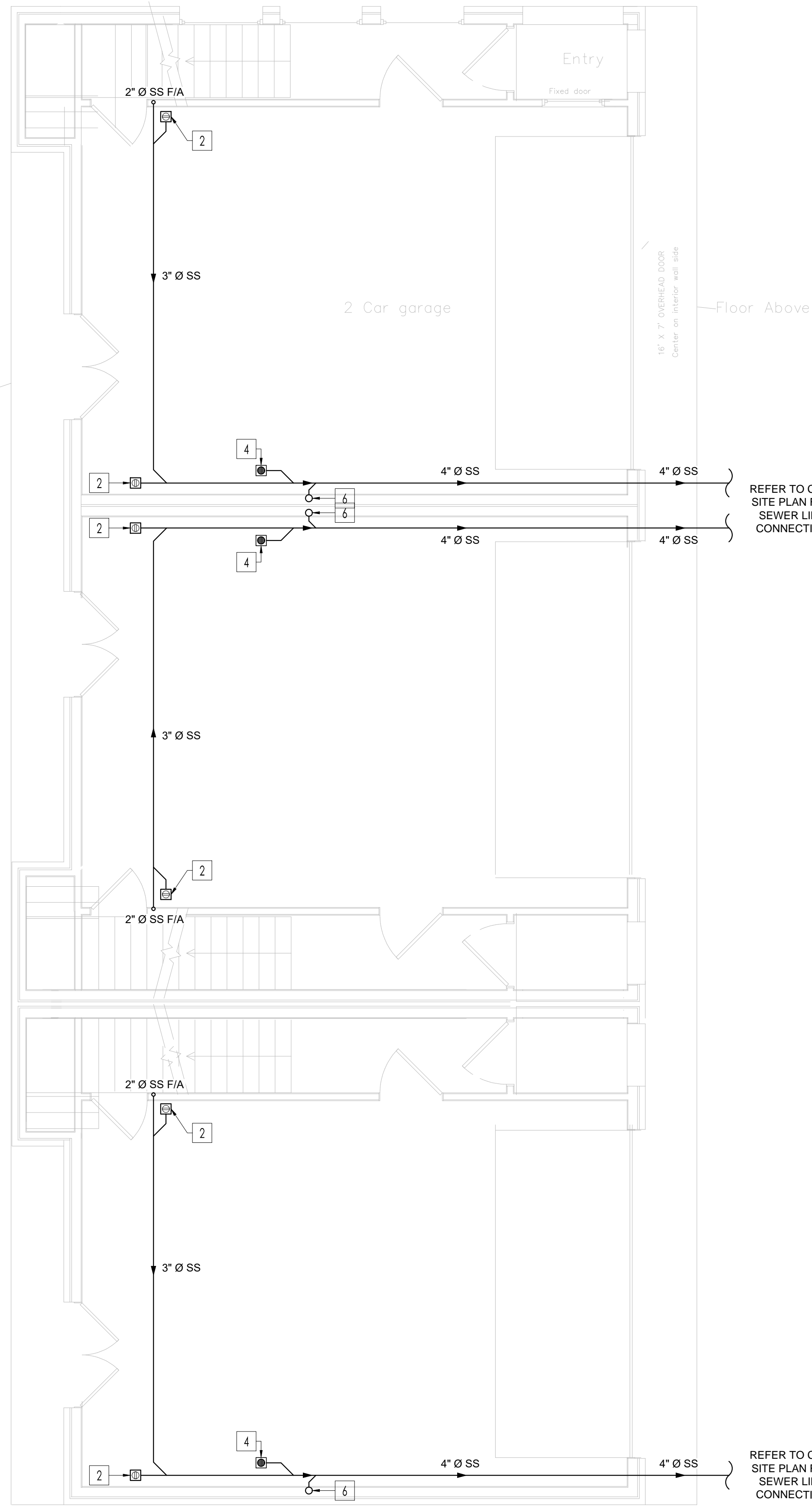
Drawn By: A.B Scale: NTS

Date: 06.16.2023 PROJ.NO.:

**E4.01**

SHEET NO.





**PLUMBING SHEET NOTES**

**SHEET NOTES:**

- 1 → WASTE DROP AND 2" VENT RISE.
- 2 → 4" FLOOR CLEAN-OUT.
- 3 → 3" VENT STACK TO ABOVE.
- 4 → 3" FLOOR DRAIN.
- 5 → SEWER DROP TO BELOW.
- 6 → SEWER DROP FROM ABOVE.
- 7 → SEWER DROP FROM ABOVE TO BELOW.
- 8 → WASHING MACHINE DRAIN - INDIRECT WASTE.
- 9 → DISHWASHER DRAIN - INDIRECT WASTE.
- 10 → 3" WALL CLEAN OUT.

**FROM 2018 IPC - TABLE 709.1:  
DRAINAGE FIXTURE UNIT VALUES (DFU)  
PER APARTMENT**

FIXTURE	D.F.U	QTY.	TOTAL D.F.U
WATER CLOSET	3.0	3	9.0
BATHTUB	2.0	2	4.0
LAVATORY	1.0	4	4.0
SHOWER HEAD	2.0	1	2.0
CLOTHES WASHER	2.0	1	2.0
KITCHEN SINK	2.0	1	2.0
DISHWASHING MACHINE	2.0	1	2.0
<b>TOTAL DFU =</b>			<b>25.0</b>

**AS PER 2018 IPC - TABLE 710.1(1):**  
- MAIN SEWER PIPE: 4"Ø

**FROM 2018 IPC - TABLE 709.1:  
PIPE SIZE PER FIXTURE**

FIXTURE	DR (INCH)	VENT (INCH)
WATER CLOSET	4	3
LAVATORY	2	2
SHOWER	3	-
CLOTHES WASHER	2	2
KITCHEN SINK	2	2
DISHWASHING MACHINE	2	2
BATHTUB	3	-

**PLUMBING PIPING MATERIAL SCHEDULE**

PIPING SYSTEM	LOCATION	ACCEPTABLE PIPING MATERIAL
WASTE & VENT	BELOW AND ABOVE GRADE	ASTM D 2665 PVC SCHEDULE 40, SOCKET FITTINGS DWV
	FROM FIRST TO ROOF	ASTM A 888 CAST IRON, NO HUB SYSTEM

1st. Floor Plan  
Scale: 1'-0"=1/4"

A MULTI FAMILY PROJECT:  
Normad Build One, LLC

Kashif Reaz  
1104 Greer St  
Fortworth, TX

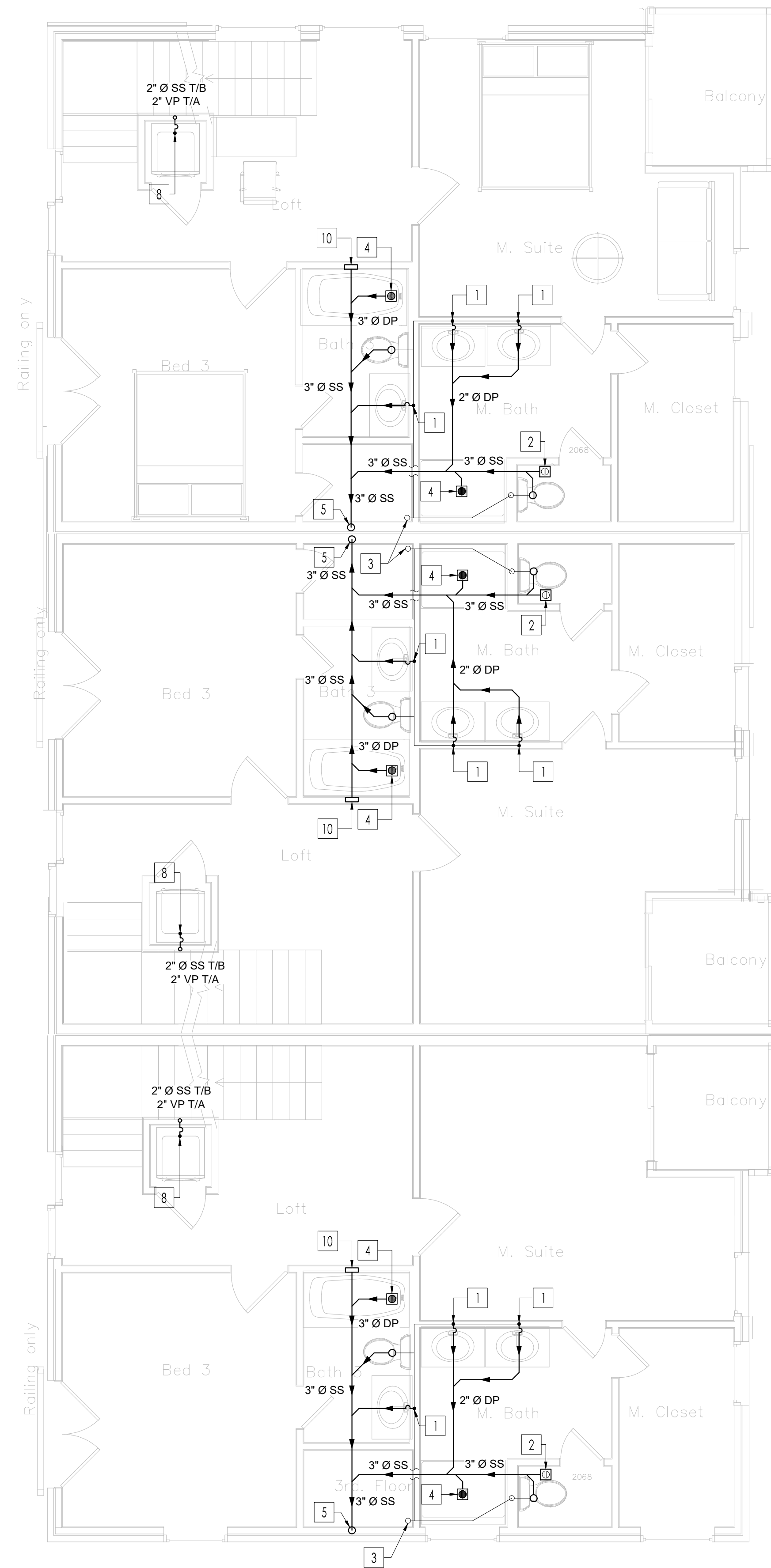
Kashif Reaz, 1104 Greer St  
Fortworth, TX

**DRAINAGE FIRST  
FLOOR LAYOUT.**

Drawn By: M.F      Scale: 1/4"= 1'-0"  
Date: 06.22.2023      PROJ.NO.:

**P 2.00**

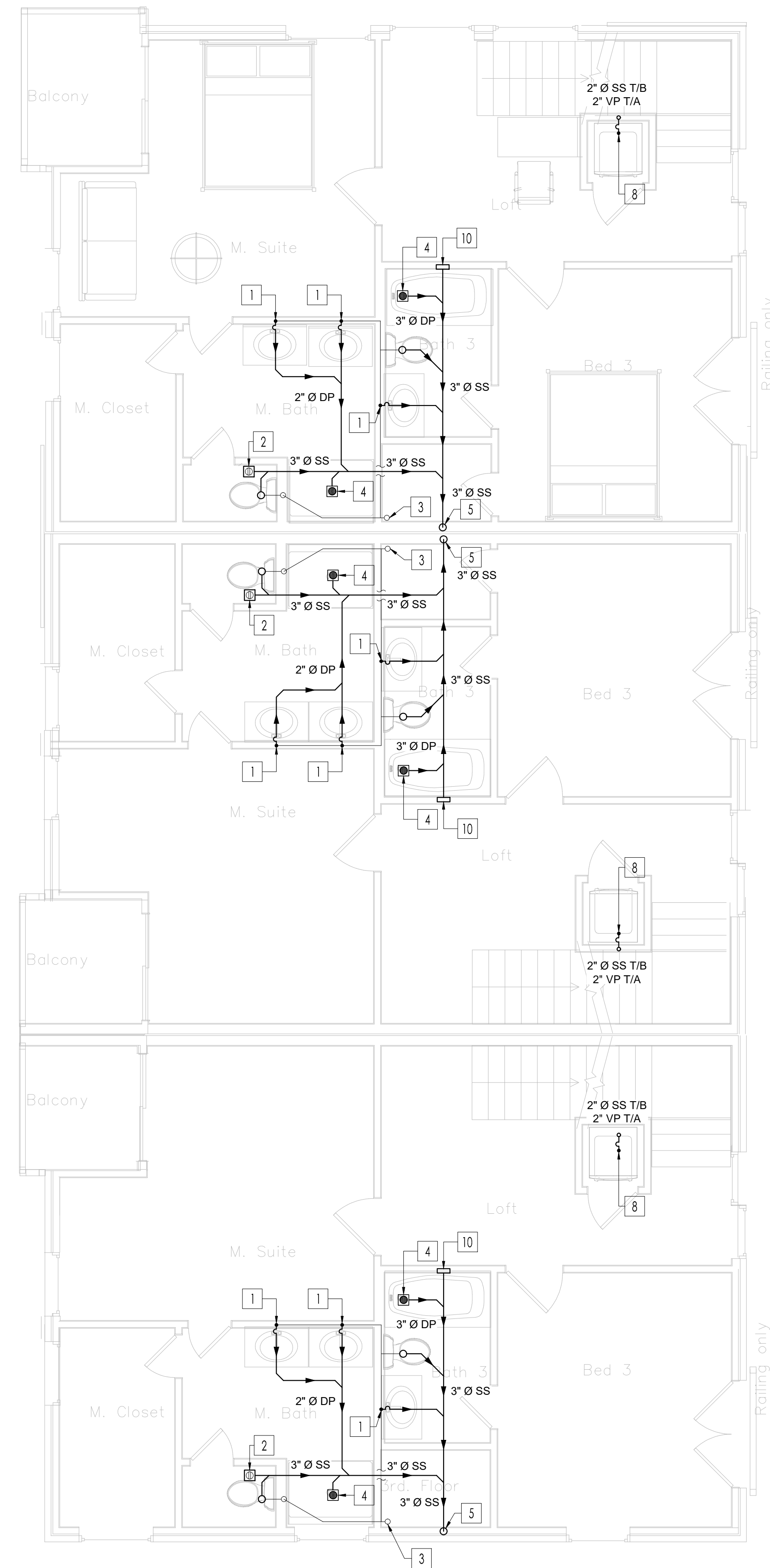
SHEET NO.



**PLUMBING SHEET NOTES**

**SHEET NOTES:**

- 1 → WASTE DROP AND 2" VENT RISE.
- 2 → 4" FLOOR CLEAN-OUT.
- 3 → 3" VENT STACK TO ABOVE.
- 4 → 3" FLOOR DRAIN.
- 5 → SEWER DROP TO BELOW.
- 6 → SEWER DROP FROM ABOVE.
- 7 → SEWER DROP FROM ABOVE TO BELOW.
- 8 → WASHING MACHINE DRAIN - INDIRECT WASTE.
- 9 → DISHWASHER DRAIN - INDIRECT WASTE.
- 10 → 3" WALL CLEAN OUT.



3rd Floor Plan  
Scale: 1'-0"=1/4"

A MULTI FAMILY PROJECT:  
Normad Build One, LLC

Kashif Reaz  
1104 Greer St  
Fortworth, TX

Kashif Reaz, 1104 Greer St  
Fortworth, TX

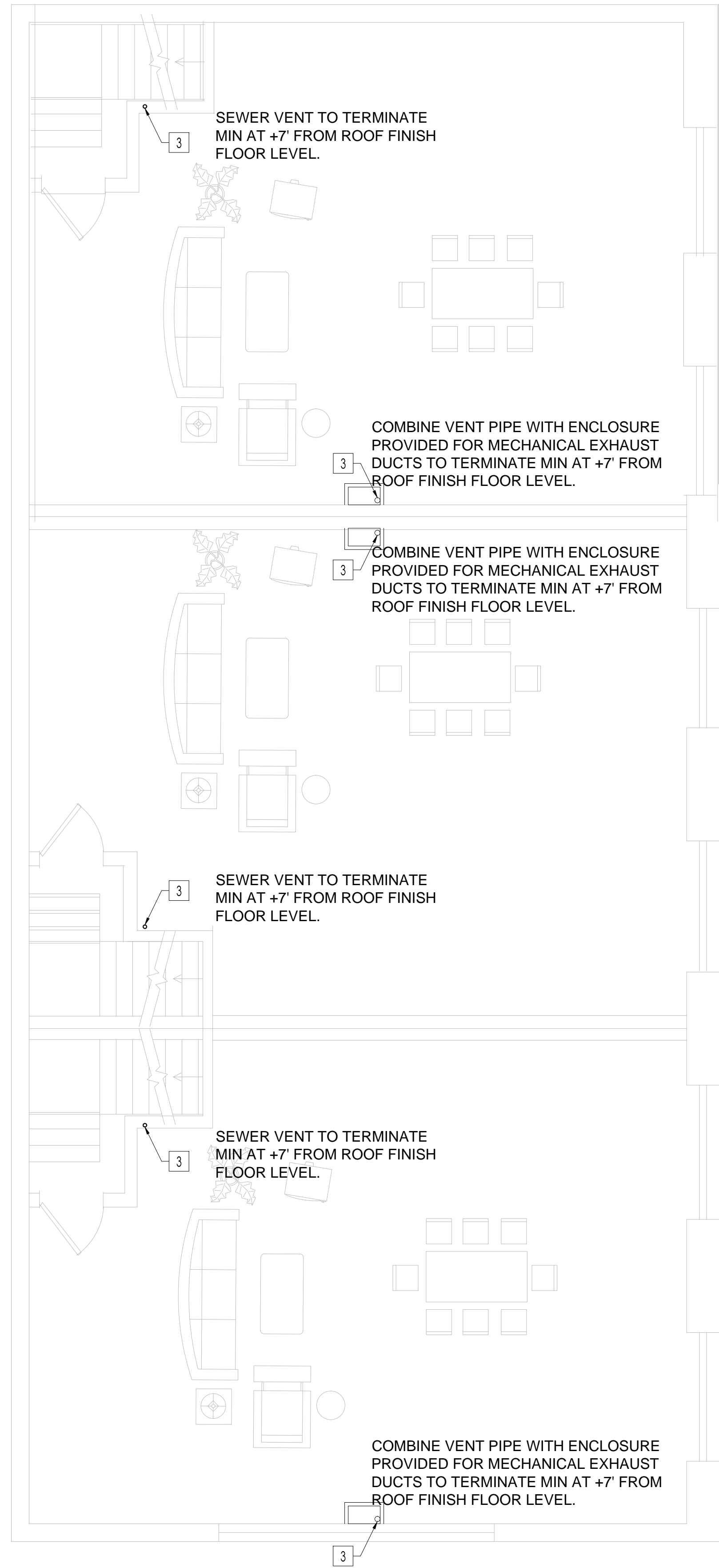
**DRAINAGE THIRD  
FLOOR LAYOUT.**

Drawn By: M.F      Scale: 1/4"= 1'-0"

Date: 06.22.2023      PROJ.NO.:

**P 4.00**

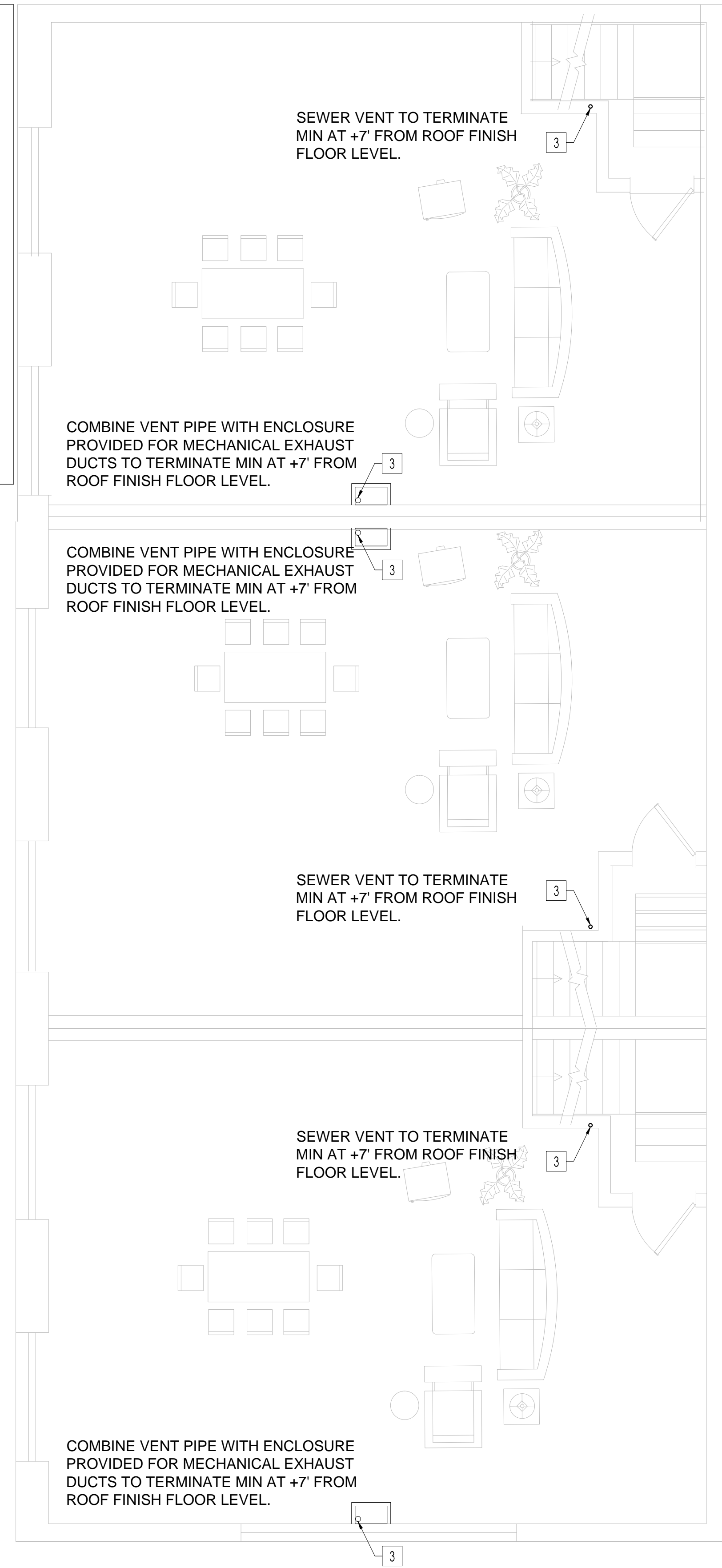
SHEET NO.



**PLUMBING SHEET NOTES**

**SHEET NOTES:**

- 1 → WASTE DROP AND 2" VENT RISE.
- 2 → 4" FLOOR CLEAN-OUT.
- 3 → 3" VENT STACK TO ABOVE.
- 4 → 3" FLOOR DRAIN.
- 5 → SEWER DROP TO BELOW.
- 6 → SEWER DROP FROM ABOVE.
- 7 → SEWER DROP FROM ABOVE TO BELOW.
- 8 → WASHING MACHINE DRAIN - INDIRECT WASTE.
- 9 → DISHWASHER DRAIN - INDIRECT WASTE.
- 10 → 3" WALL CLEAN OUT.



Roof Top Plan  
Scale: 1'-0"=3/16"

A MULTI FAMILY PROJECT:  
Normad Build One, LLC

Kashif Reaz  
1104 Greer St  
Fortworth, TX

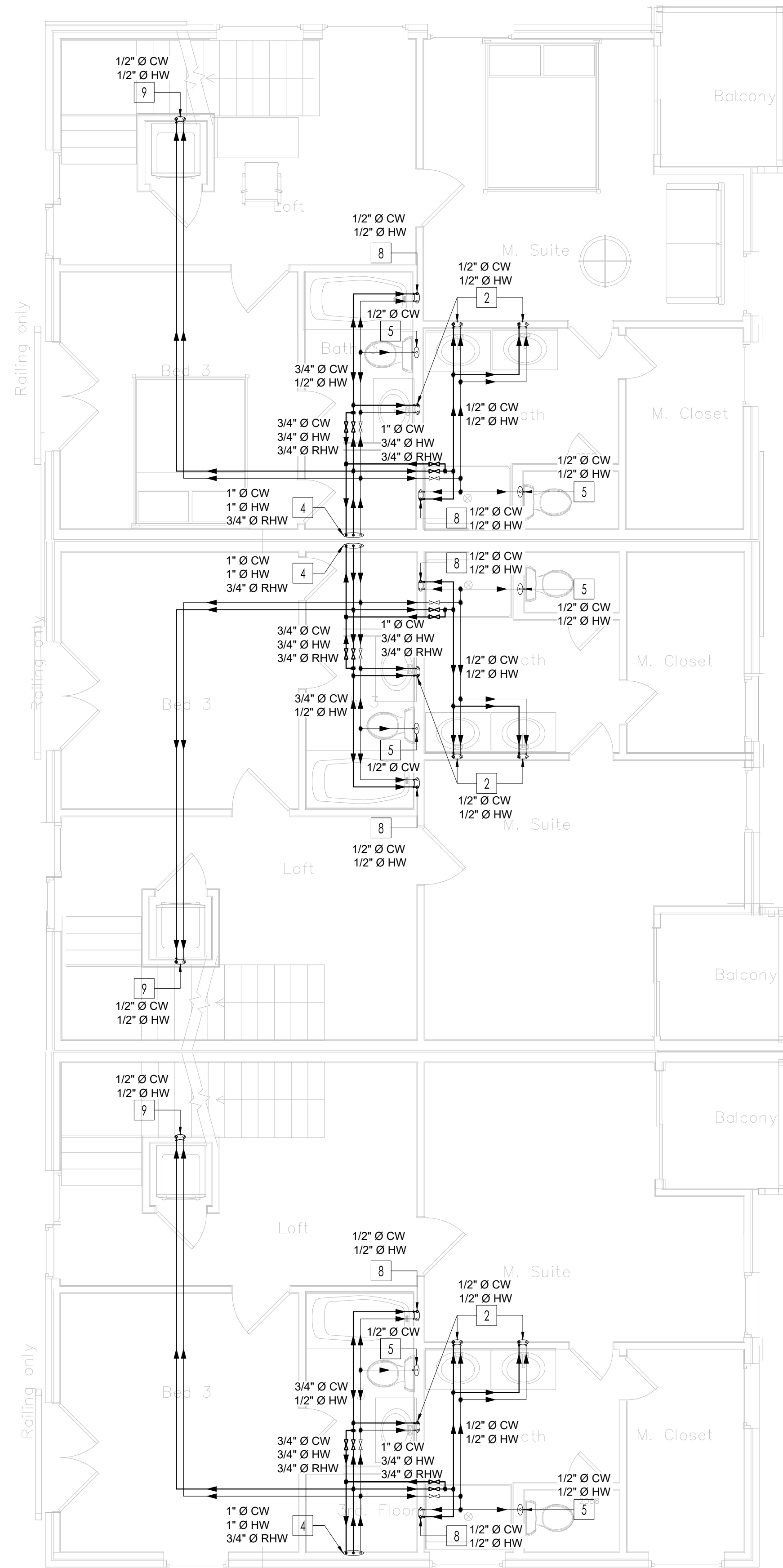
Kashif Reaz, 1104 Greer St  
Fortworth, TX

**DRAINAGE ROOF FLOOR.**

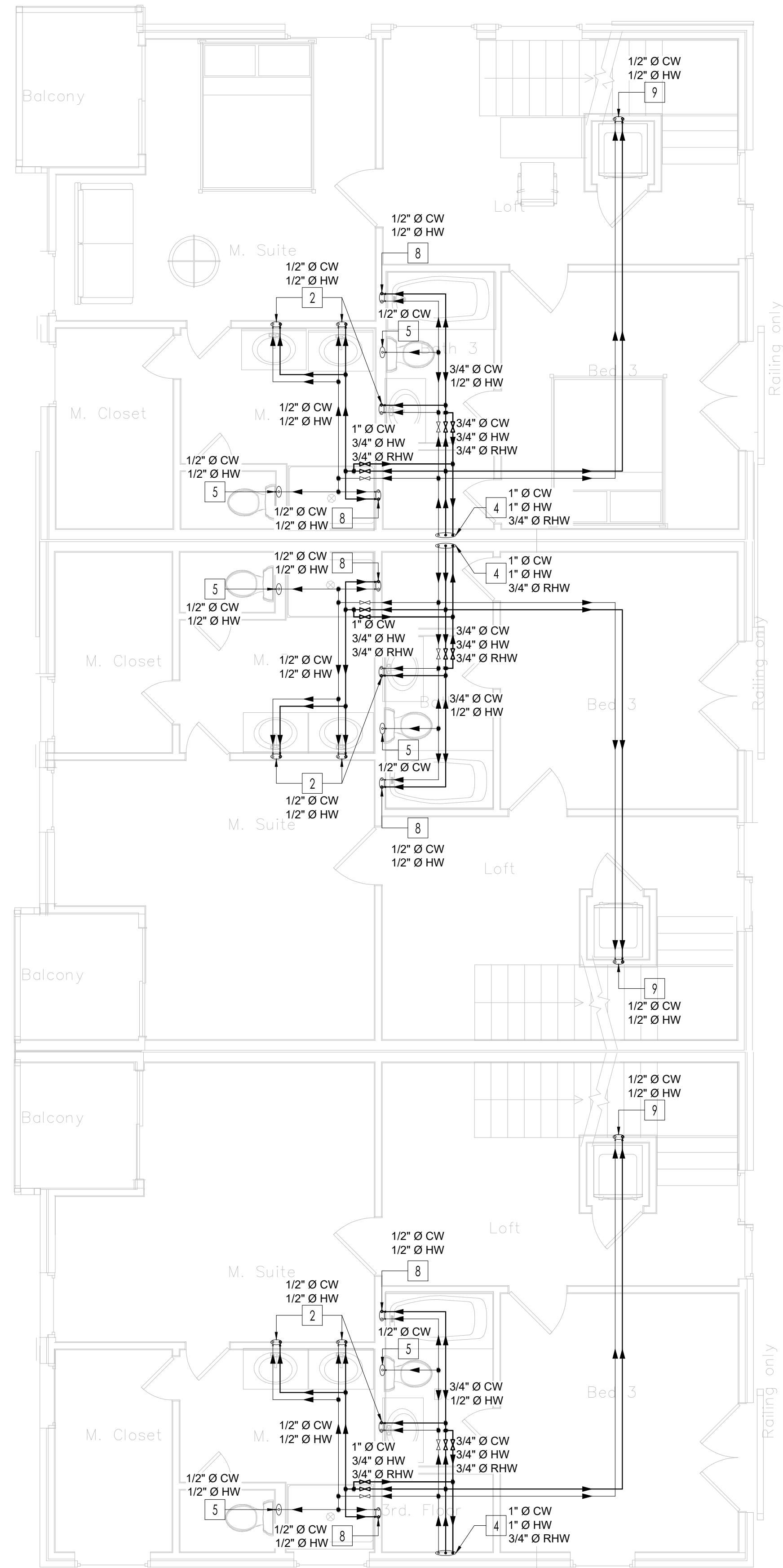
Drawn By: M.F      Scale: 1/4"= 1'-0"  
Date: 06.22.2023      PROJ.NO.:

**P 5.00**

SHEET NO.



- WATER SUPPLY KEYED NOTES:**
- 1 — DCW, DHW RISE TO HIGH LEVEL - RISER.
  - 2 — DCW & DHW DROP IN WALL TO FIXTURE TERMINAL.
  - 3 — DCW FROM BELOW DOWN LEVEL UP IN WALL CONTINUE TO HIGH LEVEL.
  - 4 — DCW, DHW RISE IN WALL FROM DOWN LEVEL.
  - 5 — DCW DROP IN WALL TO FIXTURE TERMINAL.
  - 6 — DHW DROP IN WALL TO FIXTURE TERMINAL.
  - 7 — DCW FROM BELOW GRADE UP IN WALL. DCW & DHW DROP TO BATHTUB & RAIN SHOWER TERMINALS WITH PRESSURE / TEMPERATURE ANTI-SCALDING BALANCING VALVE.
  - 8 — DCW AND/OR DHW DROP FROM CEILING LEVEL TO BELOW WITH WATER HAMMER ARRESTOR.
  - 9 —



3rd Floor Plan  
Scale: 1'-0"=1/4"

A MULTI FAMILY PROJECT:  
Normad Build One, LLC  
Kashif Reaz  
1104 Greer St  
Fortworth, TX

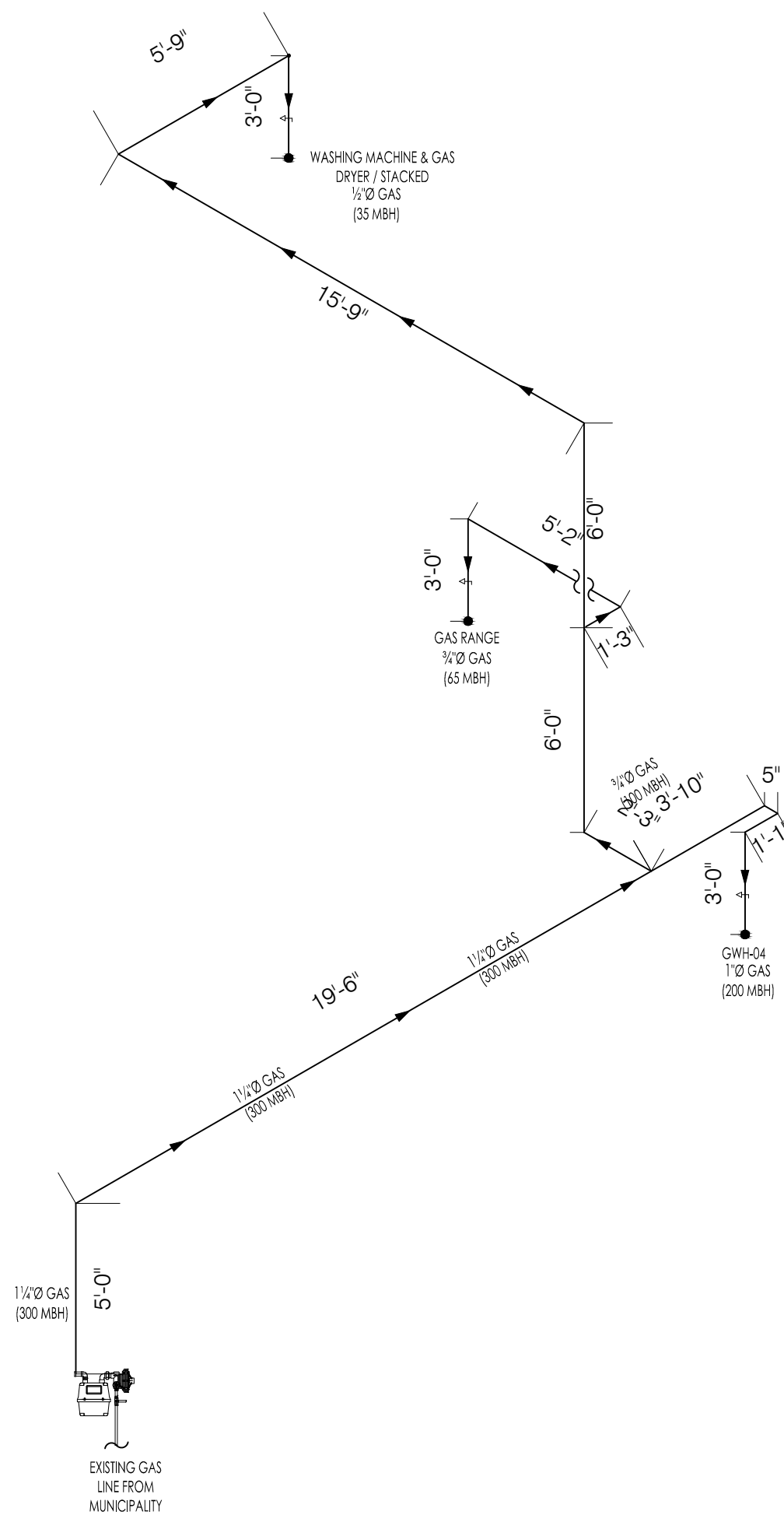
Kashif Reaz, 1104 Greer St  
Fortworth, TX

**WATER SUPPLY  
THIRD FLOOR  
LAYOUT.**

Drawn By: M.F      Scale: 1/4"= 1'-0"  
Date: 06.22.2023      PROJ.NO.:

**P 8.00**

SHEET NO.



**GENERAL NOTES:**

1. PRIOR TO PERFORMING WORK, CONTRACTOR TO COORDINATE EXACT PIPE SIZES, INVERT ELEVATIONS, PRESSURES FOR LOCATIONS OF ANY SEWER, WATER PIPING AND WATER METER WITH CIVIL UTILITIES DRAWINGS, AND ANY OTHER ENGINEER AS APPLICABLE.
2. PRIOR TO PERFORMING WORK, CONTRACTOR TO COORDINATE PIPE ROUTING WITH ALL OTHER TRADES AND EXISTING FIELD CONDITIONS.
3. REFER TO MECHANICAL PLANS FOR PLUMBING SPECIFICATION OF MATERIAL, INSULATION AND INSTALLATION REQUIREMENTS.
4. CONTRACTOR IS RESPONSIBLE FOR ROUGH-IN COORDINATION AND LOCATIONS. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND FIXTURES.
5. CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED CUTTING AND PATCHING.
6. ALL NOTCHING, BORING, AND CUTTING OF HOLES IN WALL STUDS AND FLOOR JOISTS SHALL BE PERFORMED BASED ON THE LATEST ADOPTED AND APPROVED EDITION OF THE BUILDING CODE.
7. ALL PLUMBING FIXTURES SHALL BE OF WATER CONSERVATION TYPE AS REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
8. ALL WATER PIPING SHALL BE INSTALLED ON INTERIOR SIDE OF THE BUILDING WALL INSULATION.
9. CONTRACTOR SHALL PROVIDE VALVES LOCATED ABOVE LAY-IN CEILING OR 24"x24" CEILING ACCESS PANEL. COORDINATE FINAL LOCATION AND SIZE WITH ARCHITECT. PROVIDE BALANCING VALVES FOR HOT WATER RETURN SYSTEM AS REQUIRED.
10. ALL SANITARY DRAINAGE PIPING 3" AND SMALLER SHALL BE SLOPED AT 1/8" PER FOOT. PIPING 4" AND LARGER SHALL BE SLOPED AT 1/4" PER FOOT.
11. ALL CONDENSATE DRAIN PIPING SHALL BE SLOPED AT 1/8" PER FOOT AND PROVIDE ACCESSIBLE CLEANOUTS AT ALL CHANGES OF DIRECTION.
12. VENTS THAT TERMINATE AT THE ROOF SHALL BE A MINIMUM OF 10' FROM ANY FRESH AIR INTAKE.
13. REFER TO THE PLUMBING DIAGRAMS FOR GUIDANCE OF INSTALLATION INTENT. CONTRACTOR IS TO PROVIDE ALL COMPONENTS NECESSARY TO MEET THE DESIGN INTENT, WHETHER SHOWN IN DIAGRAM OR NOT.

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ALL GAS PIPES ARE METALLIC SCHD. 40

TABLE 402.4(2)														
SCHEDULE 40 METALLIC PIPE														
Gas		Natural												
Inlet Pressure		Less than 2 psi												
Pressure Drop		0.5 in. w.c.												
Specific Gravity		0.6												
PIPE SIZE (inch)														
Nominal	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	
Actual ID	0.622	0.824	1.049	1.38	1.61	2.067	2.469	3.068	4.026	5.047	6.065	7.981	10.02	11.938
Length (ft)	Capacity in Cubic Feet of Gas Per Hour													
10	172	360	678	1,390	2,090	4,020	6,400	11,300	23,100	41,800	67,600	139,000	252,000	399,000
20	118	247	466	957	1,430	2,760	4,400	7,780	15,900	28,700	46,500	95,500	173,000	275,000
30	95	199	374	768	1,150	2,220	3,530	6,250	12,700	23,000	37,300	76,700	139,000	220,000
40	81	170	320	657	985	1,900	3,020	5,350	10,900	19,700	31,900	65,600	119,000	189,000
50	72	151	284	583	873	1,680	2,680	4,740	9,660	17,500	28,300	58,200	106,000	167,000
60	65	137	257	528	791	1,520	2,430	4,290	8,760	15,800	25,600	52,700	95,700	152,000
70	60	126	237	486	728	1,400	2,230	3,950	8,050	14,600	23,600	48,500	88,100	139,000
80	56	117	220	452	677	1,300	2,080	3,670	7,490	13,600	22,000	45,100	81,900	130,000
90	52	110	207	424	635	1,220	1,950	3,450	7,030	12,700	20,600	42,300	76,900	122,000
100	50	104	195	400	600	1,160	1,840	3,260	6,640	12,000	19,500	40,000	72,600	115,000
125	44	92	173	355	532	1,020	1,630	2,890	5,890	10,600	17,200	35,400	64,300	102,000
150	40	83	157	322	482	928	1,480	2,610	5,330	9,650	15,600	32,100	58,300	92,300

**GAS SHEET NOTES:**

- ① - GAS METER.
- ② - GAS CONNECT TO DRYER.
- ③ - GAS CONNECT TO RANGE.
- ④ - GAS CONNECT TO WATER HEATER.
- ⑤ - GAS CONNECT TO FURNACE.

**GAS UNITS AND MBH:**

ITEM	MBH
GWH-01 / WATER HEATER	200
RANGE	65
DRYER	35
<b>TOTAL =</b>	<b>300</b>

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**GAS CODE CHECK  
AND PIPE SIZING  
TABLE**

Drawn By: M.F Scale: NTS

Date: 06.22.2023 PROJ.NO.:

**P12.00**

SHEET NO.