

NEW CONSTRUCTION

62ND ST AND COFFMAN AVE, INDIANAPOLIS, IN

GENERAL NOTES:

1. GENERAL NOTES APPLY TO ALL DRAWINGS
2. DO NOT SCALE DRAWINGS. ANY DIMENSIONAL INFORMATION REQUIRED WHICH IS NOT INDICATED ON DRAWING DIMENSION STRINGS SHALL BE OBTAINED FROM THE ARCHITECT.
3. DIMENSIONS SHOWN ARE FINISH SURFACE OF EXISTING CONSTRUCTION, UNLESS NOTED OTHERWISE .
4. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS (I.E EXISTING MATERIALS, FRAMING MEMBER SIZES AND LOCATIONS, METHODS OF CONSTRUCTION). IF DISCREPANCIES ARE FOUND, NOTIFY ARCHITECT BEFORE PROCEEDING WITH WORK.
5. CONTRACTOR SHALL MAINTAIN THE IMMEDIATE CONSTRUCTION SITE IN A SECURE, CLEAN AND SAFE MANNER.
6. PROTECTION : CONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR TAKING ALL STEPS NECESSARY TO PROTECT THE PUBLIC FROM INJURY AND ADJACENT PROPERTY DAMAGES DURING CONSTRUCTION AS REQUIRED BY LOCAL CODES.

SCOPE OF WORK:

1. ELECTRICAL
2. PLUMBING
3. MECHANICAL

PROJECT: NEW CONSTRUCTION
ADDRESS: 62ND ST AND COFFMAN AVE, INDIANAPOLIS, IN

APPLICABLE CODES:

1. 2018 International Building Code with local amendments.
2. 2018 International Existing Building Code.
3. 2018 International Energy Conservation Code.
4. 2017 ANSI A-117.1 Accessible & Useable Building & facilities.
5. 2018 International Plumbing Code with local amendments.
6. 2018 International Mechanical Code with local amendments.
7. 2018 International Fuel Gas Code with local amendments.
8. 2017 National Electric Code.
9. 2018 International Fire Code with local amendments.

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OWNER SIGNATURE

REVISION STATUS

Rev	DATE	DESCRIPTION	DRAWN BY
00	18-07-2023	ISSUED FOR APPROVAL	
01			
02			
03			
04			

CLIENT/CONSULTANT APPROVAL STATUS

APPROVED	(A)
APPROVED WITH NOTES	(B)
RESUBMIT	(C)
DISAPPROVED	(D)

OWNER:

ADDRESS:

62ND ST AND COFFMAN AVE,
INDIANAPOLIS, IN 46268

DESIGN CONSULTANT:

DRAWING STATUS:

DESIGN DRAWING

DISCIPLINE:

ELECTRICAL

PROJECT TITLE:

COFFMAN APTS

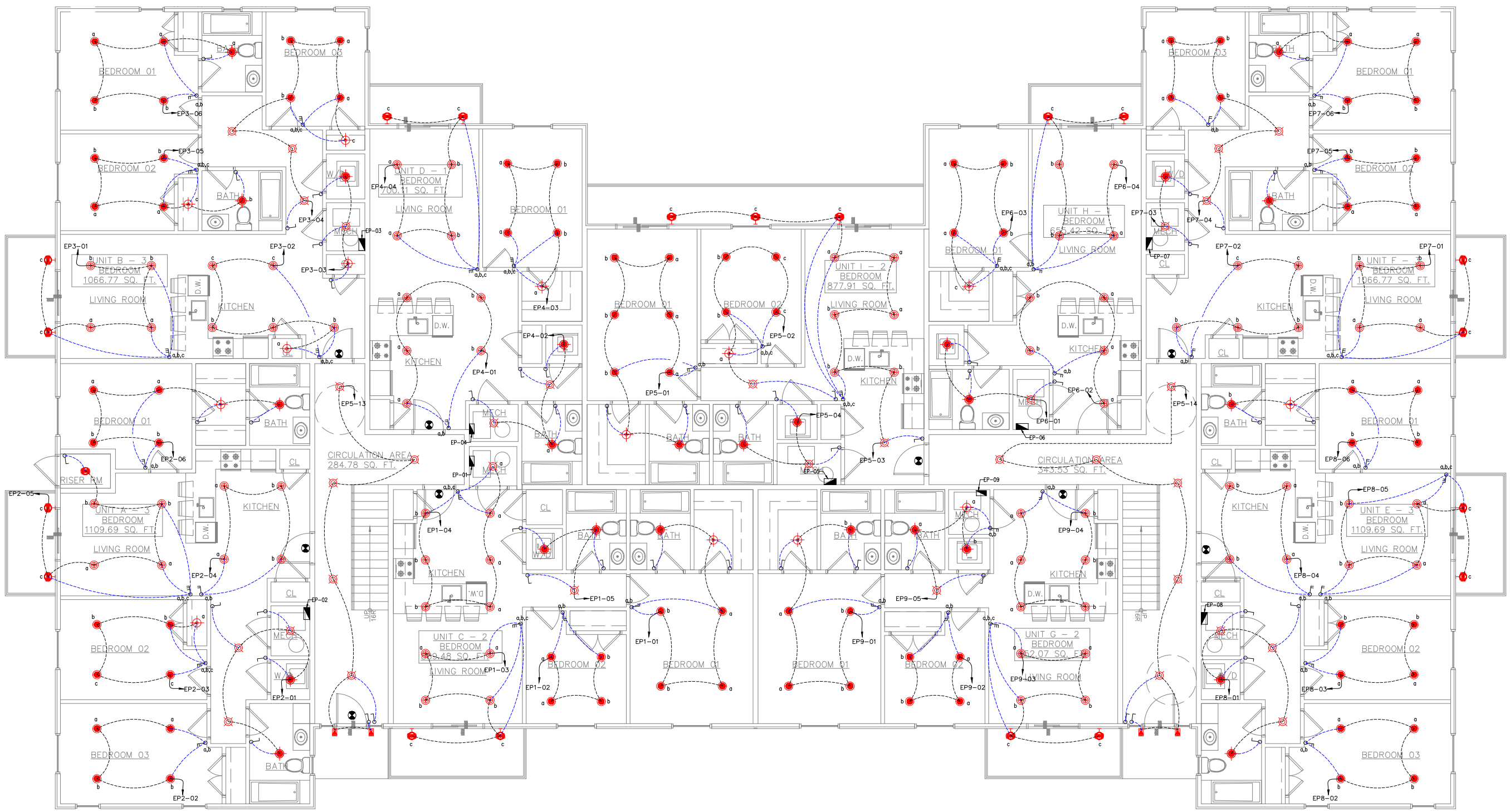
DRAWING TITLE:

COVER SHEET

DRAWN BY:	CHECKED BY:	DATE:
		18 JUL 2023
JOB NO:	SHT NO:	SCALE:
632-002	EL-00	NTS @A3

GENERAL ELECTRICAL NOTES
 1- ELECTRICAL CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS & MAKE ANY NECESSARY ADJUSTMENTS.
 2- SMALLEST WIRE & SIZE TO BE 14-2
 3- ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE & ANY OTHER APPLICABLE REGULATIONS OR CODES, AT THE SITE.
 4- CONTRACTOR TO LOCATE PHONE, CABLE, ETC. AS PER OWNER'S SPECIFICATIONS.

LEGEND NOTES:
 ⚡ VERIFY ALL MOUNTING HEIGHTS OF WALL MOUNTED LIGHT FIXTURES
 ⚡ TYPICAL MOUNTING HEIGHTS FOR OUTLETS - CENTERLINE 18" AFF (EXCEPT WHERE NOTED OTHERWISE)
 ⚡ MAXIMUM HEIGHT FOR ALL SWITCHES IS 48" AFF
 ⚡ ROCKER STYLE SWITCHES
 ⚡ ALL SWITCHES / OUTLETS / COVER PLATES - WHITE FINISH
 ⚡ VENT FANS SIZED FOR ROOM VOLUME
 ⚡ FAN SOUND LEVEL NOT TO EXCEED 1.0 SONES



LEGEND :

SYMBOL	DESCRIPTION
⦿	18W SURFACE TYPE DOWN LIGHT WITH SPUN ALUMINUM BODY REFLECTOR, LAMP IN BED ROOMS.
⦿	15W SURFACE MOUNTED LIGHT IN KITCHEN LIVING & DINING
⦿	18W RECESS TYPE DOWN LIGHT WITH SPUN ALUMINUM BODY REFLECTOR, GLASS DIFFUSER & COMPACT FLU. LAMP IN CLOSETS
⦿	20W RECESS TYPE DOWN LIGHT WITH SPUN ALUMINUM BODY REFLECTOR, GLASS DIFFUSER & COMPACT FLU. LAMP IN BATHROOMS & LAUNDRY AREA
⦿	MIRROR LIGHT 1X18W FLUORESCENT LIGHT
⦿	15W SURFACE MOUNTED LIGHT IN CORRIDOR
⦿	EXTERIOR PORCH LIGHT
⦿	EXTERIOR SCONCES LIGHT MAIN FRONT DOORS
⦿	EXIT LIGHT
⦿	ONE WAY ONE GANG SWITCH
⦿	ONE WAY TWO GANG SWITCH
⦿	ONE WAY THREE GANG SWITCH
⦿	TWO WAY ONE GANG SWITCH
⦿	TWO WAY TWO GANG SWITCH
⦿	SPUN ELECTRICAL PANEL, TYPE INDICATED.

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DESIGN DRAWING

DISCIPLINE:
ELECTRICAL

PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
FIRST FLOOR LIGHTING PLAN

FIRST FLOOR LIGHTING PLAN
 EL 02 SCALE 3/32"=1'-0"

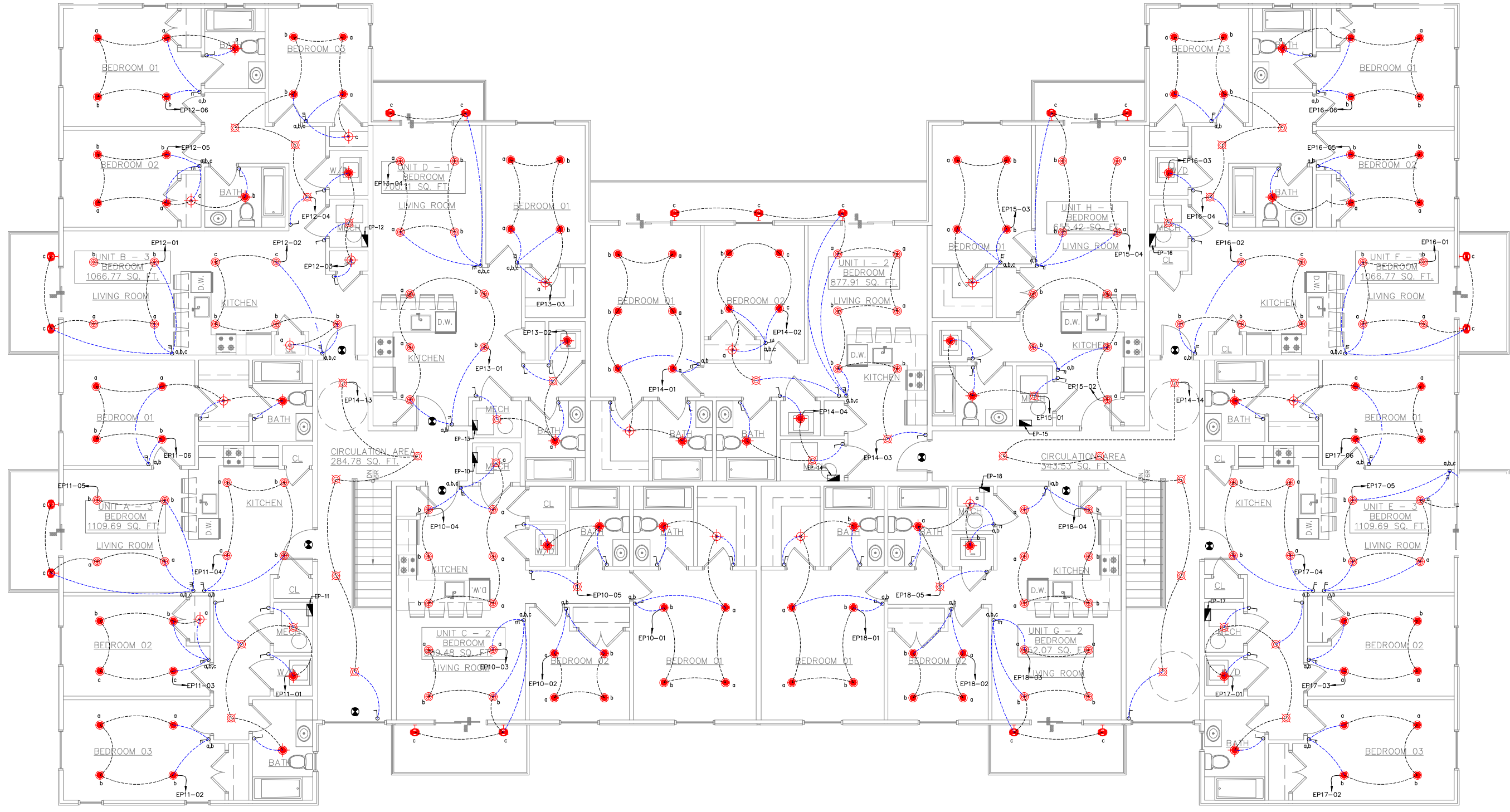
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632-002	EL-02	3/32"=1'-0" @A3

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 2-SMALLEST WIRE & SIZE TO BE 14-2
 3-ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE & ANY OTHER APPLICABLE REGULATIONS OR CODES, AT THE SITE.
 4-CONTRACTOR TO LOCATE PHONE, CABLE, ETC. AS PER OWNER'S SPECIFICATIONS.

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 Ⓢ TYPICAL MOUNTING HEIGHTS FOR OUTLETS - CENTERLINE 18" AFF (EXCEPT WHERE NOTED OTHERWISE)
 Ⓢ MAXIMUM HEIGHT FOR ALL SWITCHES IS 48" AFF
 Ⓢ ROCKER STYLE SWITCHES
 Ⓢ ALL SWITCHES /OUTLETS /COVER PLATES- WHITE FINISH
 Ⓢ VENT FANS SIZED FOR ROOM VOLUME
 Ⓢ FAN SOUND LEVEL NOT TO EXCEED 1.0 SONES

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DRAWING STATUS: DESIGN DRAWING

DISCIPLINE: ELECTRICAL

PROJECT TITLE: COFFMAN APTS

DRAWING TITLE: SECOND FLOOR LIGHTING PLAN

EL 03 SECOND FLOOR LIGHTING PLAN
 SCALE 3/32"=1'-0"

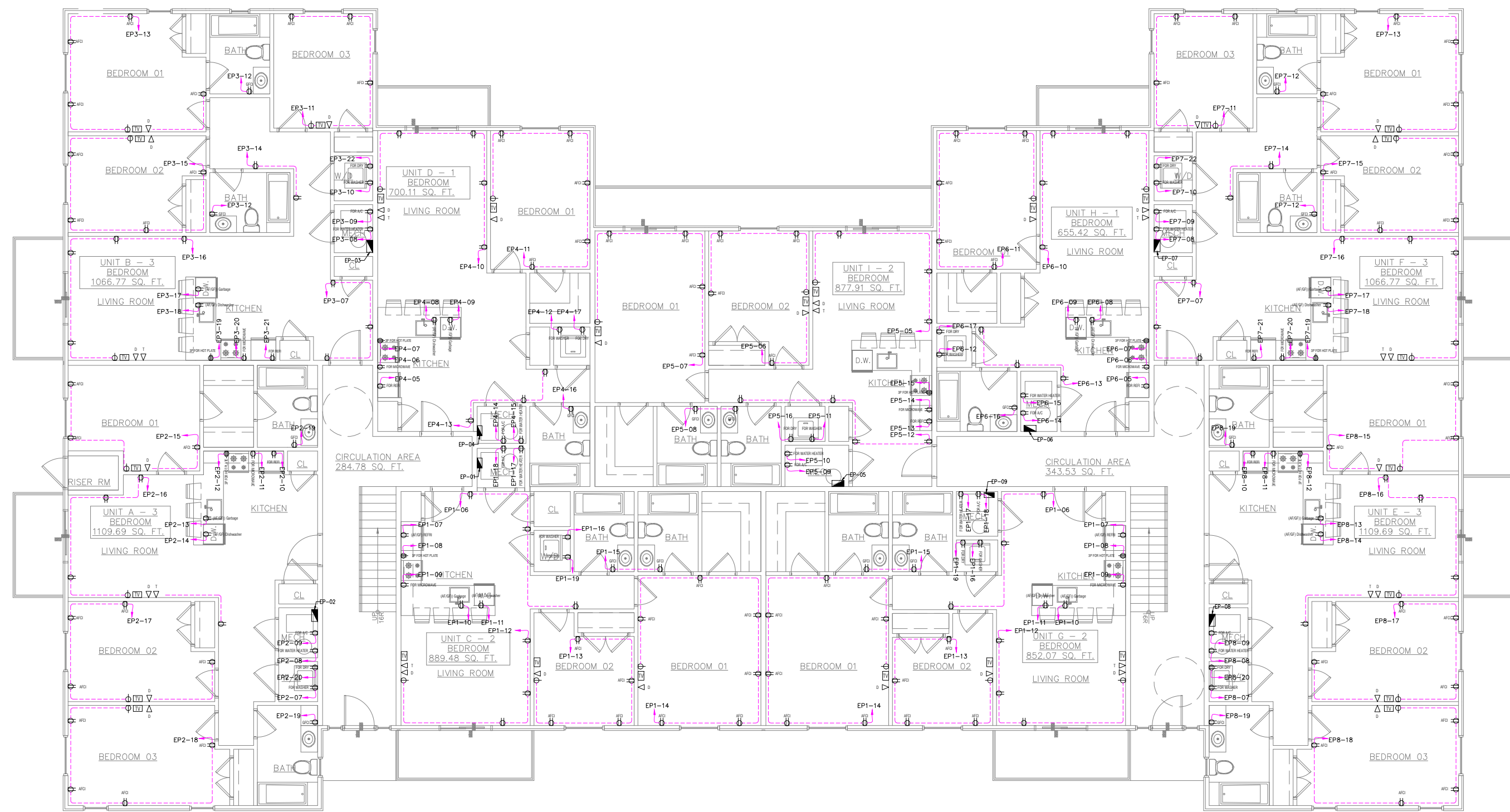
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JOB NO:	SHT NO:	SCALE:
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 \$ ROCKER STYLE SWITCHES
 \$ ALL SWITCHES / OUTLETS / COVER PLATES - WHITE FINISH
 ∅ VENT FANS SIZED FOR ROOM VOLUME
 ∅ FAN SOUND LEVEL NOT TO EXCEED 1.0 SONES

LEGEND :

SYMBOL	DESCRIPTION
∅	SINGLE SOCKET OUTLET, 13A, 230V, GROUNDING TYPE, MOUNT AT 42" A.F.F. UNLESS NOTED OTHERWISE.
∅	DUPLEX SOCKET OUTLET, 13A, 230V, GROUNDING TYPE, MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE.
∅	GFCI DUPLEX SOCKET OUTLET, WEATHER PROOF, 13A, 230V, GROUNDING TYPE, MOUNT AT 42" A.F.F. UNLESS NOTED OTHERWISE.
∅	POINT FOR KITCHEN HOT PLATE, 32A, GROUNDING TYPE, MOUNT AT 42" A.F.F. UNLESS NOTED OTHERWISE.
TV	TV SOCKET HEIGHT AS PER LCD ON LOCATION
∇	TELECOMMUNICATION OUTLET, PROVIDE SINGLE GANG JUNCTION BOX WITH PLASTER RING, STUB UP 1" E.C WITH PULL STRING INTO ACCESSIBLE CEILING SPACE. MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE.
∅	DATA OUTLET, PROVIDE SINGLE GANG JUNCTION BOX WITH PLASTER RING, STUB UP 1" E.C WITH PULL STRING INTO ACCESSIBLE CEILING SPACE. MOUNT AT 18" A.F.F. UNLESS NOTED OTHERWISE.
EP	ELECTRICAL PANEL



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DESIGN CONSULTANT:

DRAWING STATUS: DESIGN DRAWING

DISCIPLINE: ELECTRICAL

PROJECT TITLE: COFFMAN APTS

DRAWING TITLE: FIRST FLOOR POWER PLAN

EL 04 **FIRST FLOOR POWER PLAN**
 SCALE 3/32"=1'-0"

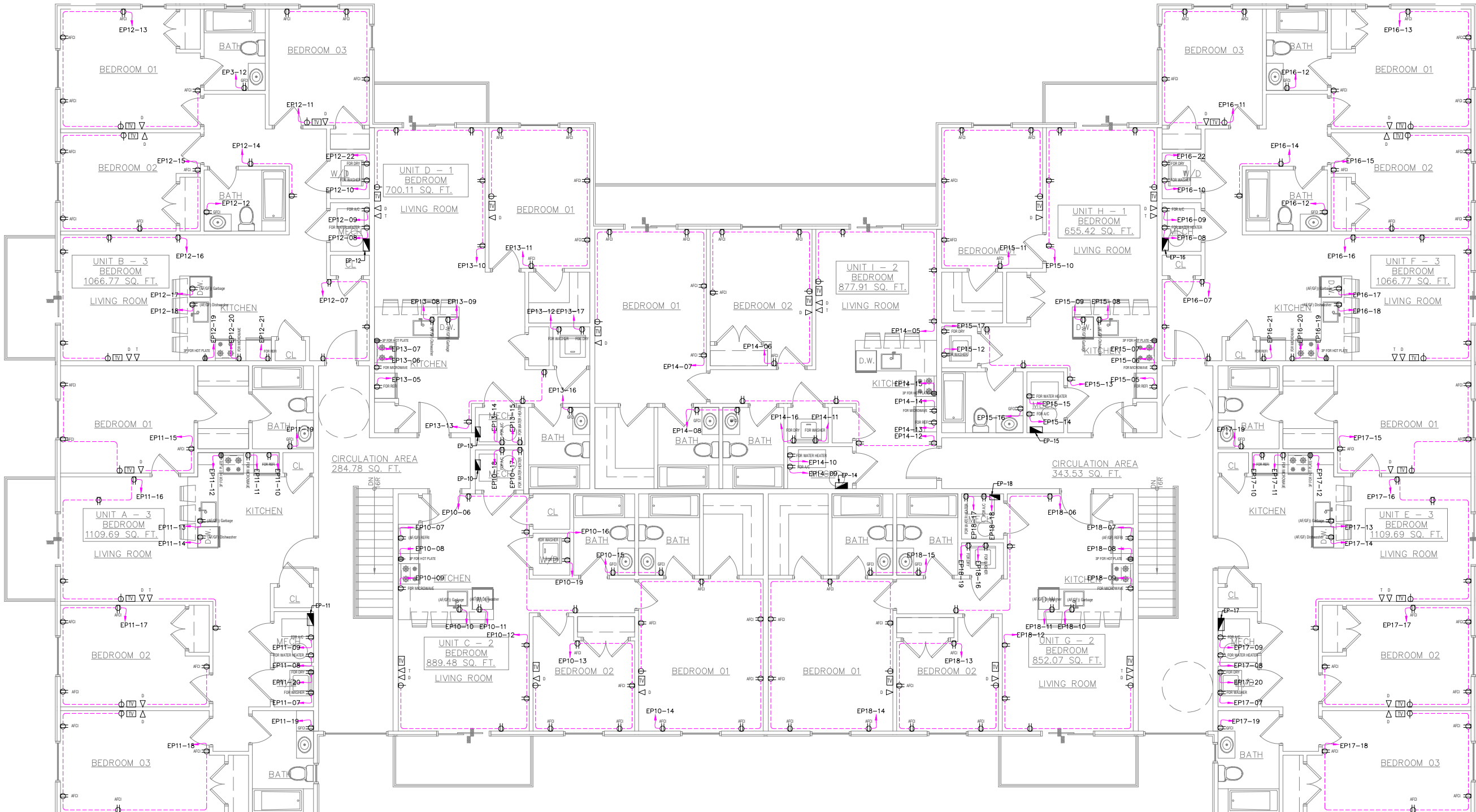
DRAWN BY:	CHECKED BY:	DATE:
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632-002	EL-04	3/32"=1'-0" @A3

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 1. ELECTRICAL CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS & MAKE ANY NECESSARY ADJUSTMENTS.
 2. SMALLEST WIRE & SIZE TO BE 14-2
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ADDRESS:

**62ND ST AND COFFMAN AVE,
INDIANAPOLIS, IN 46268**

DESIGN CONSULTANT:

DRAWING STATUS:
DESIGN DRAWING

DISCIPLINE:
ELECTRICAL

PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
SECOND FLOOR POWER PLAN

EL 05 **SECOND FLOOR POWER PLAN** **3/32"=1'-0"**

DRAWN BY:

CHECKED BY:

DATE:
18 JUL. 2023

JOB NO:
632-002

SHT NO:
EL-05

SCALE:
3/32"=1'-0" @A3

GENERAL PLUMBING NOTES:

1. LOCATION AND SIZES OF ALL EXISTING SERVICES ARE APPROXIMATE. VERIFY ALL UTILITIES PRIOR TO COMMENCING WORK.

2. FOR EXACT LOCATION OF PLUMBING FIXTURES, DRAINS AND EQUIPMENT SEE ARCHITECTURAL DRAWINGS.

3. ALL DOMESTIC WATER AND VENT PIPING SHOWN TO BE RUN ABOVE CEILING UNLESS OTHERWISE NOTED.

4. ALL SANITARY PIPING SHOWN TO BE RUN BELOW FLOOR UNLESS OTHERWISE NOTED.

5. ENTIRE INSTALLATION INCLUDING MATERIALS, EQUIPMENT AND WORKMANSHIP SHALL CONFIRM WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS OF MUNICIPAL, STATE AND FEDERAL AUTHORITIES, ALSO THE PLUMBING CODE 2004, INTERNATIONAL BUILDING CODE 2009, AND OTHER REGULATORY BODIES HAVING JURISDICTION OVER THE CLASS OF WORK.

6. THE CONTRACTOR SHALL MAKE TESTS FOR ACCEPTANCE AND APPROVAL AS REQUIRED BY THE CODE. REQUIRED TESTS SHALL BE PERFORMED IN THE PRESENCE OF OWNER'S REPRESENTATIVE UNLESS WAIVED IN WRITING.

7. THE CONTRACTOR SHALL FIELD COORDINATE THE WORK WITH THAT OF ALL OTHER TRADES.

8. ALL DOMESTIC WATER PIPING SHALL BE INSULATED AS REQUIRED.

9. DOMESTIC WATER PIPING MATERIAL: ASTM B88 TYPE L OR M COPPER TUBE WITH WROUGHT OR CAST COPPER FITTINGS AND LEAD-FREE SOLDERED JOINTS. INSTALL DOMESTIC WATER PIPING LEVEL WITHOUT PITCH AND PLUMB.

DRAIN, WASTE, STORM, AND VENT PIPING MATERIAL: FOR BELOW GROUND SOIL, WASTE AND BENT PIPING SHOULD BE SERVICE WEIGHT HUB AND SPIGOT CAST IRON CONFORMING TO ASTM A74, WITH LEAD AND OAKUM JOINTS AS ALLOWED BY PLUMBING CODE; FOR ABOVE GROUND SOIL, WASTE AND VENT PIPING SHOULD BE HUBLESS CAST-IRON.

10. ANY ITEM OF MATERIALS NOT INDICATED ON THE DRAWINGS OR NOT SPECIFIED AND WHICH ARE REQUIRED FOR THE COMPLETE INSTALLATION OF ANY PART OF THE WORK DESCRIBED, SHALL BE FURNISHED AS CODE REQUIRED.

11. INSTALL CLEANOUT AT OR NEAR THE BOTTOM OF SANITARY/WASTE STACK.

12. PROVIDE PROPER ACCESS PANELS AS SPECIFIED IN WALLS AND CEILINGS FOR ANY EQUIPMENT, DEVICES, VALVES, SHOCK ABSORBERS, TRAP PRIMERS, CLEANOUTS ETC. REQUIRING ACCESS.

PLUMBING FIXTURE AND FAUCETS REFERENCED STANDARDS		
MARK	DESCRIPTION	STANDARD
WC-1	WATER CLOSET	WATER CLOSETS SHALL CONFIRM TO THE WATER CONSUMPTION REQUIREMENTS OF SECTION 604.4 AND SHALL CONFIRM TO ANSI Z124.4. ASME A112.19.2M, CSA B45.1, CSA B45.4 OR CSA B45.5. WATER CLOSETS SHALL CONFIRM TO THE HYDRAULIC PERFORMANCE REQUIREMENTS OF ASME A112.19.19.9M, CSA B45.1, CSA B45.4 OR CSA B45.5. ELECTRO HYDRAULIC WATER CLOSETS SHALL COMPLY WITH ASME A112.19.13.
L-1	LAVATORY	LAVATORIES SHALL CONFIRM TO ANSI Z124.3. ASME A112.19.1M, ASME A112.19.2M, ASME A112.19.3M, ASME A112.19.4M, ASME A112.19.9M, CSA B45.2, CSA B45.3, CSA B45.4, ROUP WASH UP EQUIPMENT SHALL CONFIRM TO THE REQUIREMENTS OF SECTION 402. EVERY 20 INCHES (608MM) OF RIM SPACE SHALL BE CONSIDERED AS ONE LAVATORY.
KS-1	KITCHEN SINK	SINKS SHALL CONFIRM TO ANSI Z124.6, ASME A112.19.1M, ASME A112.19.2M, ASME A112.19.3M, ASME A112.19.4M, ASME A112.19.9M, CSA B45.1, CSA B45.2, CSA B45.3, OR CSA B45.4.
	FAUCETS AND FIXTURE FITTINGS	FAUCETS AND FIXTURE FITTINGS SHALL CONFORM TO ASME A112.18.1 OR CSA B125. FAUCETS AND FIXTURE FITTINGS THAT SUPPLY DRINKING WATER FOR HUMAN INGESTION SHALL CONFORM TO THE REQUIREMENTS OF NSF 61, SECTION 9. FLEXIBLE WATER CONNECTORS EXPOSED TO CONTINUOUS PRESSURE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 605.6 HAND HELD SHOWERS SHALL CONFORM TO ASSE 1014 OR CSA B125. SHOWER AND TUB SHOWER COMBINATION VALVES SHALL BE BALANCED PRESSURE, THERMOSTATIC OR COMBINATION BALANCED PRESSURE/THERMOSTATIC VALVES THAT CONFORM TO THE REQUIREMENTS OF ASSE 1016 OR CSA B125. MULTIPLE (GANG) SHOWERS SUPPLIED WITH A SINGLE TEMPERED WATER SUPPLY PIPE SHALL HAVE THE WATER SUPPLY FOR SUCH SHOWERS CONTROLLED BY A MASTER THERMOSTATIC MIXING VALVE COMPLYING WITH ASSE 1017. SHOWER AND TUB SHOWER COMBINATION VALVES AND MASTER THERMOSTATIC MIXING VALVES REQUIRED BY THIS SECTION SHALL BE EQUIPPED WITH A MEANS TO LIMIT THE MAXIMUM SETTING OF THE VALVE TO 120°F (49°C), WHICH SHALL BE FIELD ADJUSTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. FAUCETS AND FIXTURE FITTINGS WITH HOSE CONNECTED OUTLETS SHALL CONFORM TO ASME A112.18.3M. TEMPERATURE ACTUATED, FLOW REDUCTION DEVICES. WHERE INSTALLED FOR INDIVIDUAL FIXTURE FITTINGS, SHALL CONFORM TO ASSE 1062. SUCH VALVES SHALL NOT BE USED ALONE AS A SUBSTITUTE FOR THE BALANCED PRESSURE. THERMOSTATIC OR COMBINATION SHOWER VALVES REQUIRED IN SECTION 424.3

PLUMBING NOTES:

- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
- ALL PLUMBING INSTALLATIONS SHALL CONFIRM WITH THE REQUIREMENTS OF MANUFACTURER RECOMMENDATION AND OR UNIFORM PLUMBING CODE (UPC).
- ALL PLUMBING MATERIALS SHALL BE AS SPECIFIED IN THE CONTRACT SPECS AND BOQ.
- ALL PIPE SIZES SHOWN ARE NOMINAL DIAMETER IN INCHES. UNLESS OTHERWISE MENTIONED.
- INSTALLER SHOULD NOT SCALE THE DRAWING.
- ALL PIPE PENETRATIONS IN WALL & SLABS SHALL BE THROUGH PIPE SLEEVES.
- IF ANY ERROR OR OMISSION IS FOUND IN DRAWING THIS OFFICE MAY BE CONSULTED FOR RECTIFICATION.

TABLE 604.4 MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES AND FIXTURE FITTINGS	
PLUMBING FIXTURE R FIXTURE FITTING	MAXIMUM FLOW RATE OR QUANTITY b
LAVATORY, PRIVATE	1.5 gpm at 60 psi
SINK FAUCET	1.5 gpm at 60 psi
WATER CLOSET	1.28 GALLONS PER FLUSHING CYCLE

FOR SI: 1 GALLON = 3.785 L, 1 GALLON PER MINUTE = 3.785 L/M,
1 POUND PER SQUARE INCH = 6.895 KPA.

A. A HAND HELD SHOWER SPRAY IS A SHOWER HEAD.
B. CONSUMPTION TOLERANCES SHALL BE DETERMINED FROM REFERENCED STANDARDS.
C. WATER FACTOR IN GALLONS PER CYCLE CUBIC FOOT

ALL PLUMBING FIXTURES SHALL CONTRIBUTE TO A LEEDS SOLUTION AND SHALL MEET EPA CRITERIA AND BEEN CONSIDERED AS WATER EFFICIENT PRODUCTS AS STIPULATED BY THE LEEDS TA 2009 REFERENCE GUIDE (20% REDUCTION REQUIRED).

2010 F.B.C PLUMBING AS PER SECTION 604.9
A WATER HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK CLOSING VALVES ARE UTILIZED. WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.

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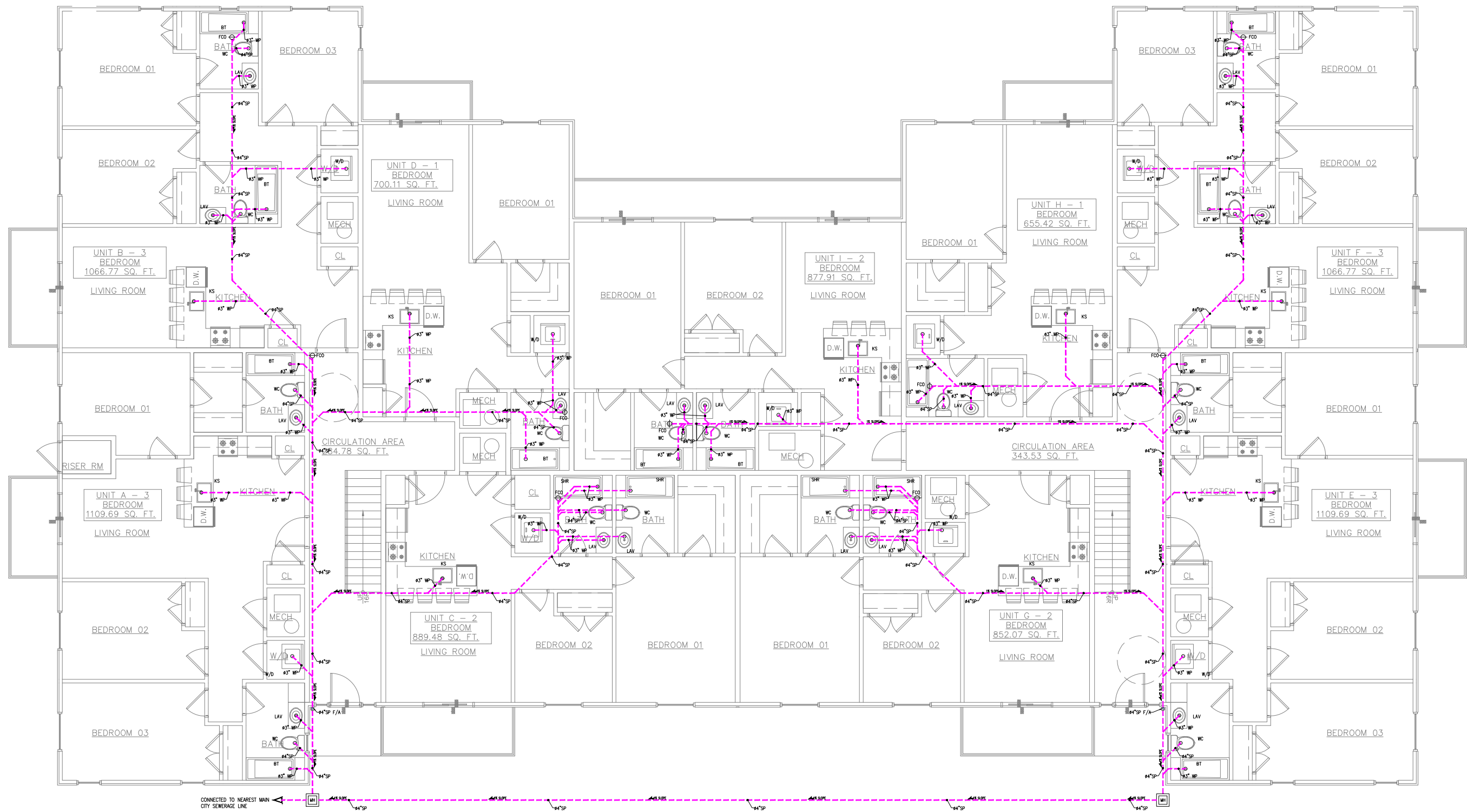
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COFFMAN APTS

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NOTES

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632-002	PL-01	NTS @A3



PLUMBING LEGEND:

SYMBOL	DESCRIPTION
	HWS - HOT WATER SUPPLY
	CWS - COLD WATER SUPPLY
	SP-SOIL PIPE
	WP-WASTE PIPE
	SHUT OFF VALVE
	GATE VALVE
	WH WATER HEATER
	GT GREASE TRAP
	WC WATER CLOSET
	KS KITCHEN SINK
	AS ABLUTION SPRAY
	SHR SHOWER
	BT BATH TUB
	FCO FLOOR CLEANOUT
	FD FLOOR DRAIN
	LAV LAVATORY

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DRAWING STATUS:
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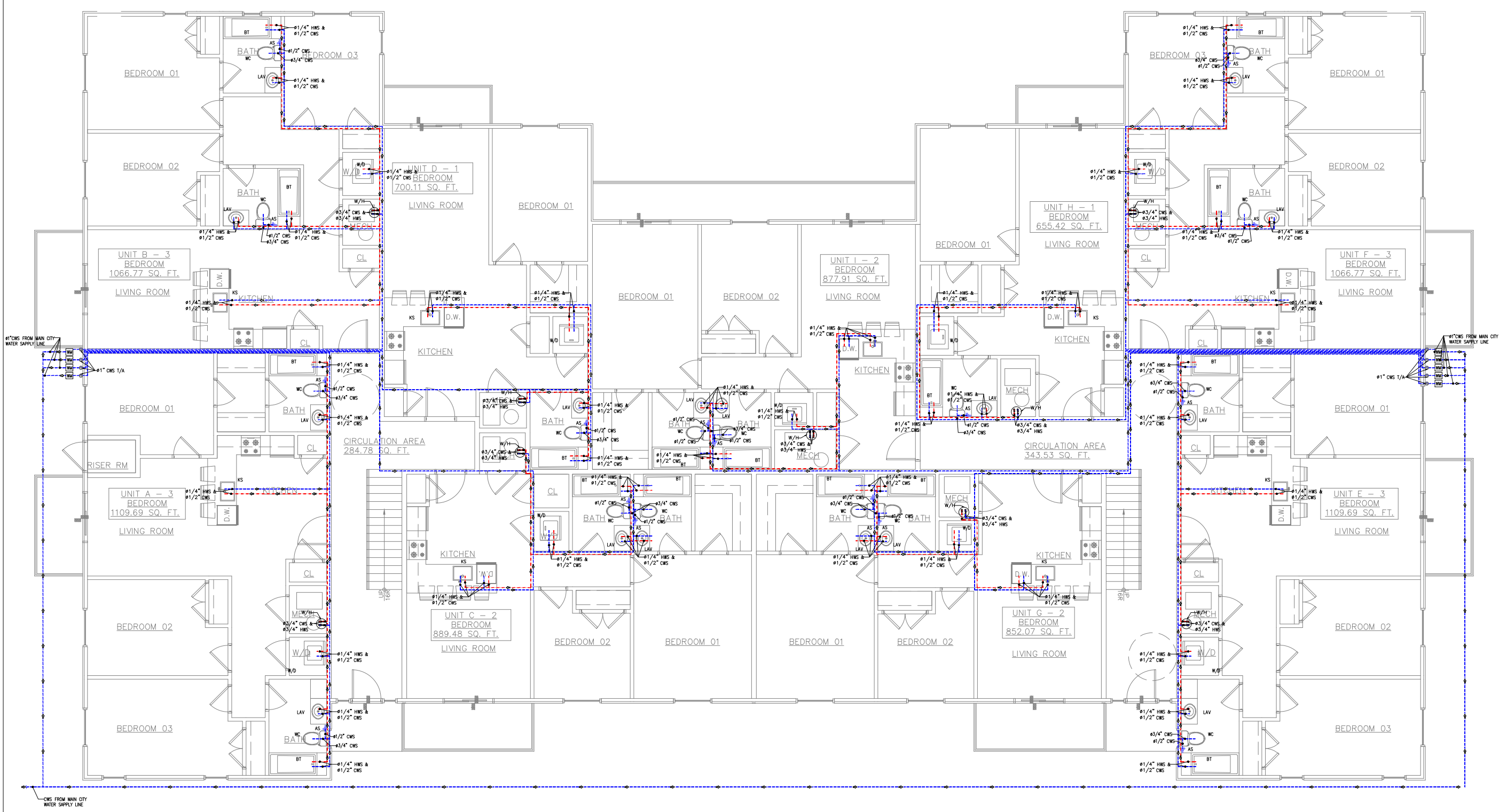
DISCIPLINE:
PLUMBING

PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
FIRST FLOOR DRAINAGE PLAN

DRAWN BY:	CHECKED BY:	DATE:
JOB NO:	SHT NO:	SCALE:
632-002	PL-02	3/32"=1'-0" @A3

PL 02 FIRST FLOOR DRAINAGE PLAN
SCALE 3/32"=1'-0"



PLUMBING LEGEND:

SYMBOL	DESCRIPTION
	HWS - HOT WATER SUPPLY
	CWS - COLD WATER SUPPLY
	SP-SOIL PIPE
	WP-WASTE PIPE
	SHUT OFF VALVE
	GATE VALVE
	WH WATER HEATER
	GT GREASE TRAP
	WC WATER CLOSET
	KS KITCHEN SINK
	AS ABLUTION SPRAY
	SHR SHOWER
	BT BATH TUB
	FCO FLOOR CLEANOUT
	FD FLOOR DRAIN
	LAV LAVATORY

OWNER SIGNATURE

REVISION STATUS

Rev	DATE	DESCRIPTION	DRAWN BY
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03			
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CLIENT/CONSULTANT APPROVAL STATUS

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APPROVED WITH NOTES	(B)
RESUBMIT	(C)
DISAPPROVED	(D)

OWNER:

ADDRESS:
62ND ST AND COFFMAN AVE,
INDIANAPOLIS, IN 46268

DESIGN CONSULTANT:

DRAWING STATUS:
DESIGN DRAWING

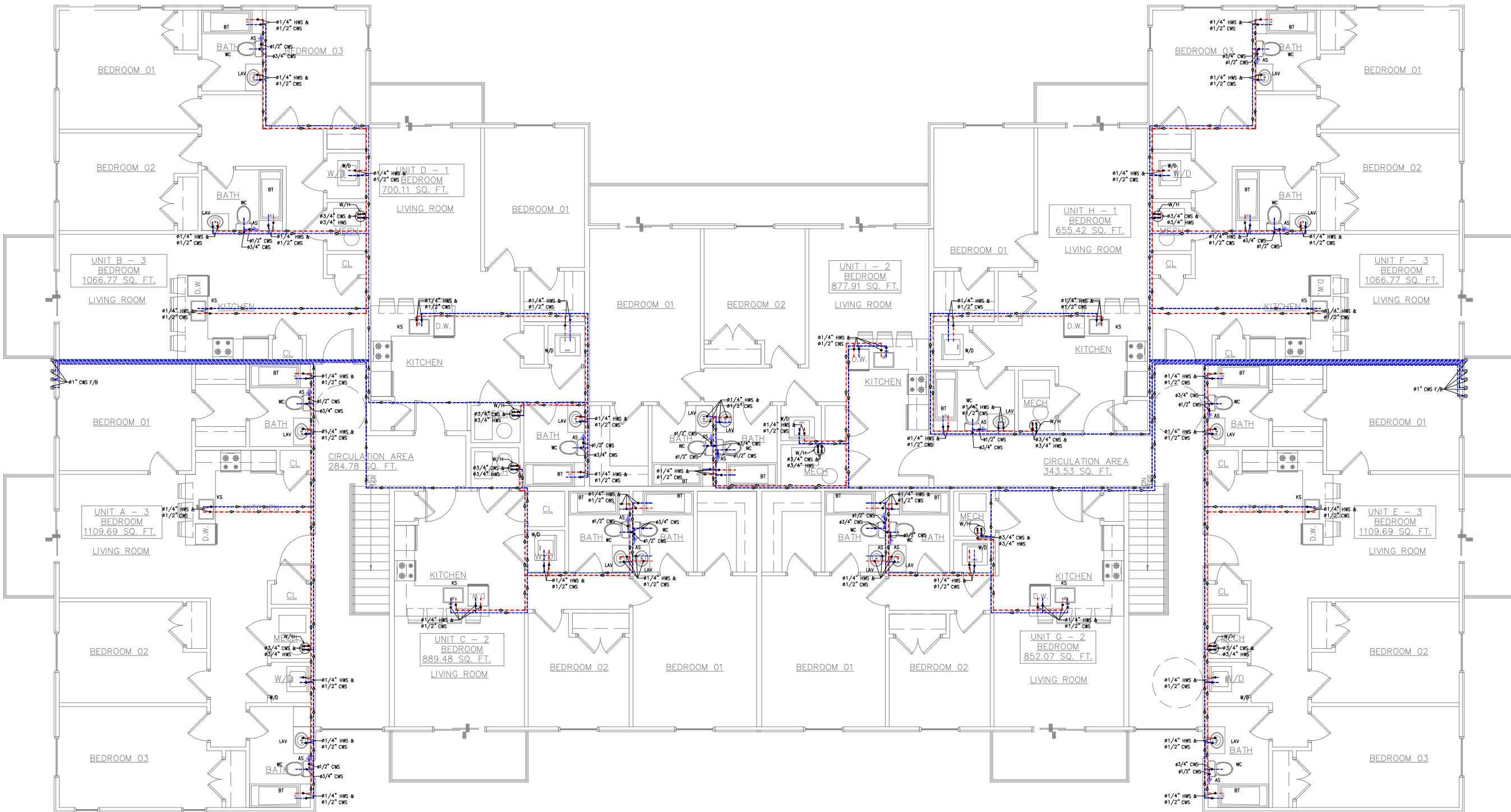
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PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
FIRST FLOOR
WATER SUPPLY PLAN

DRAWN BY:	CHECKED BY:	DATE:
JOB NO:	SHT NO:	SCALE:
632-002	PL-04	3/32"=1'-0" @A3

PL 04 FIRST FLOOR WATER SUPPLY PLAN
SCALE 3/32"=1'-0"



PL 05 SECOND FLOOR WATER SUPPLY PLAN
SCALE 3/32"=1'-0"

PLUMBING LEGEND:

SYMBOL	DESCRIPTION
---	HWS - HOT WATER SUPPLY
---	CWS - COLD WATER SUPPLY
---	SP-SOIL PIPE
---	WP-WASTE PIPE
---	SHUT OFF VALVE
---	GATE VALVE
WH	WATER HEATER
GT	GREASE TRAP
WC	WATER CLOSET
KS	KITCHEN SINK
AS	ABLATION SPRAY
SHR	SHOWER
BT	BATH TUB
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
LAV	LAVATORY

OWNER SIGNATURE

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RESUBMIT	(C)
DISAPPROVED	(D)

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ADDRESS:

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INDIANAPOLIS, IN 46268

DESIGN CONSULTANT:

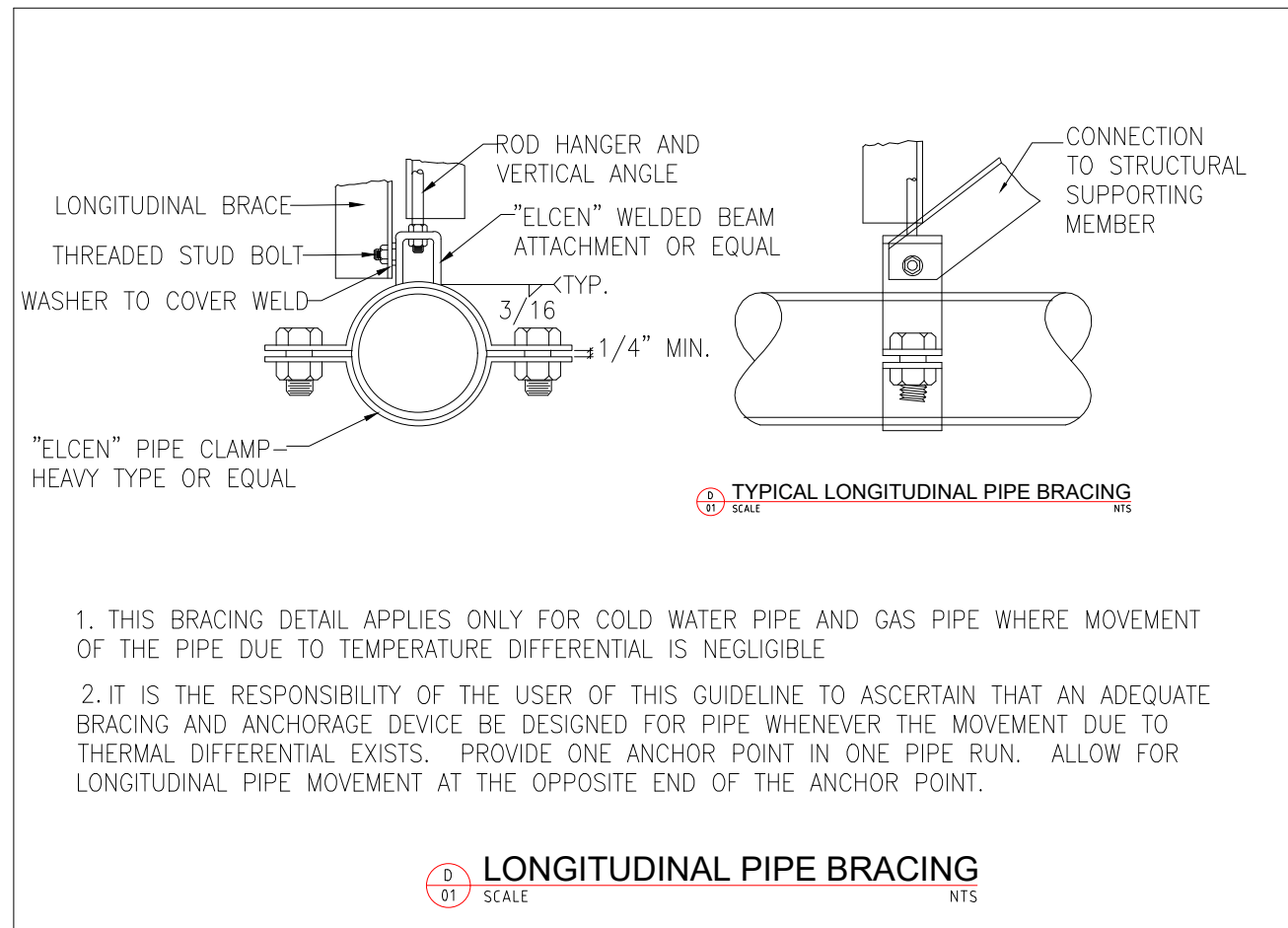
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DISCIPLINE:
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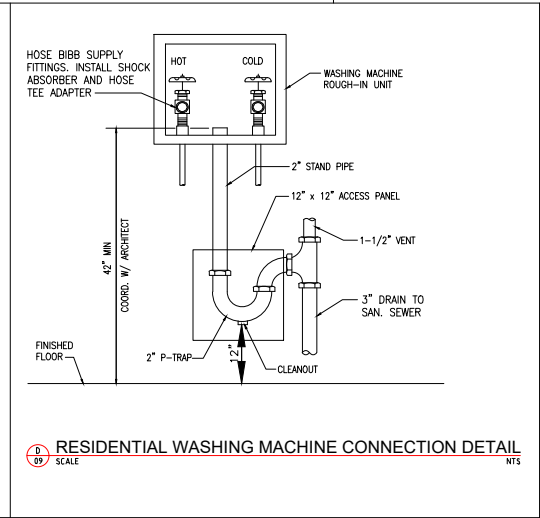
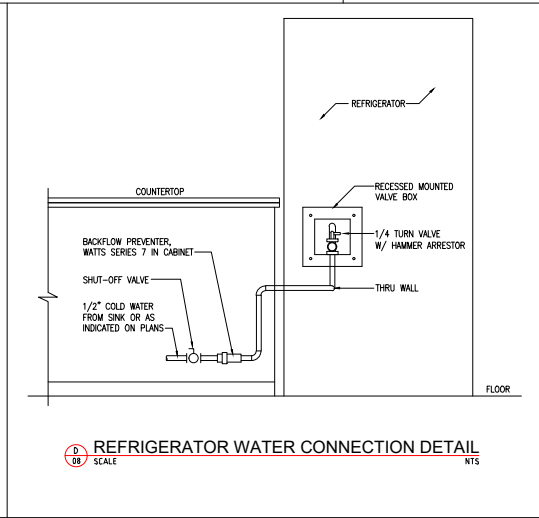
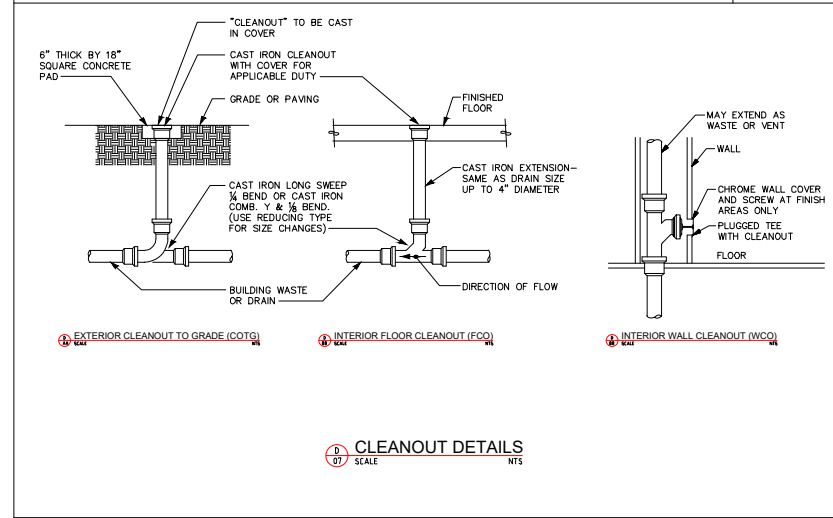
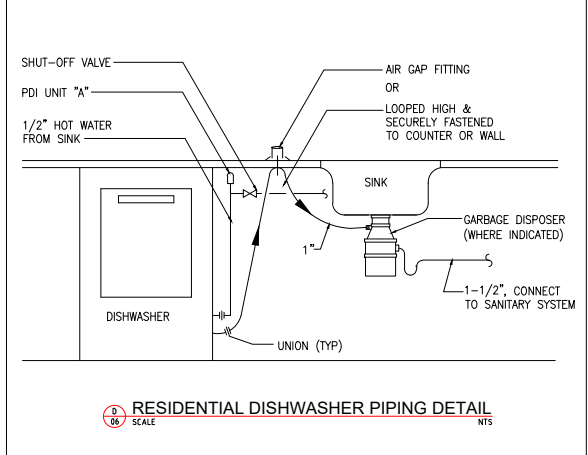
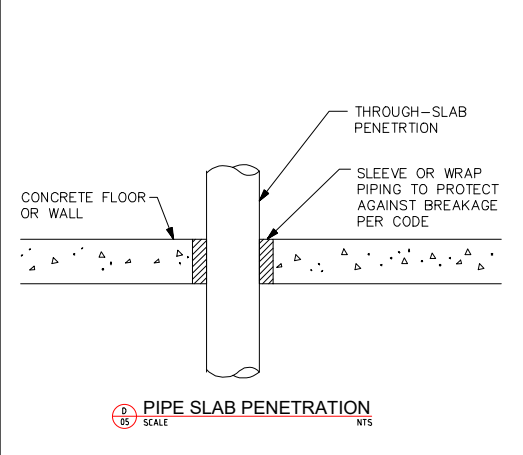
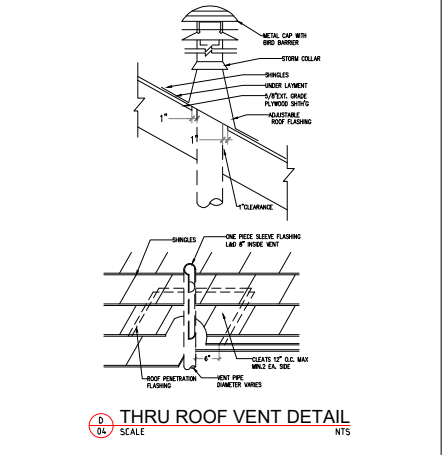
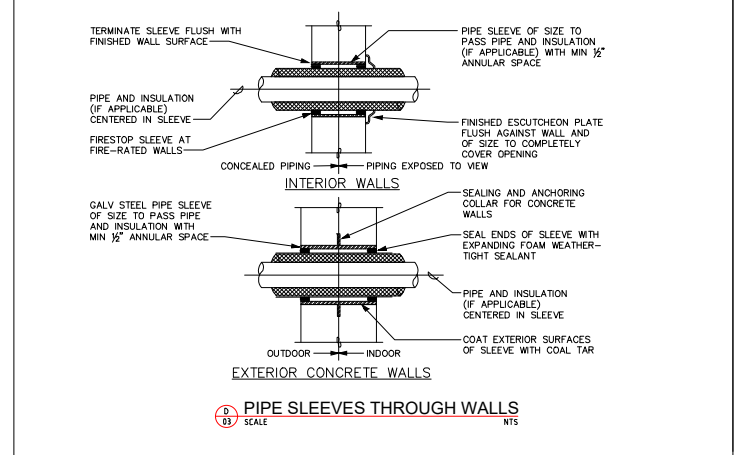
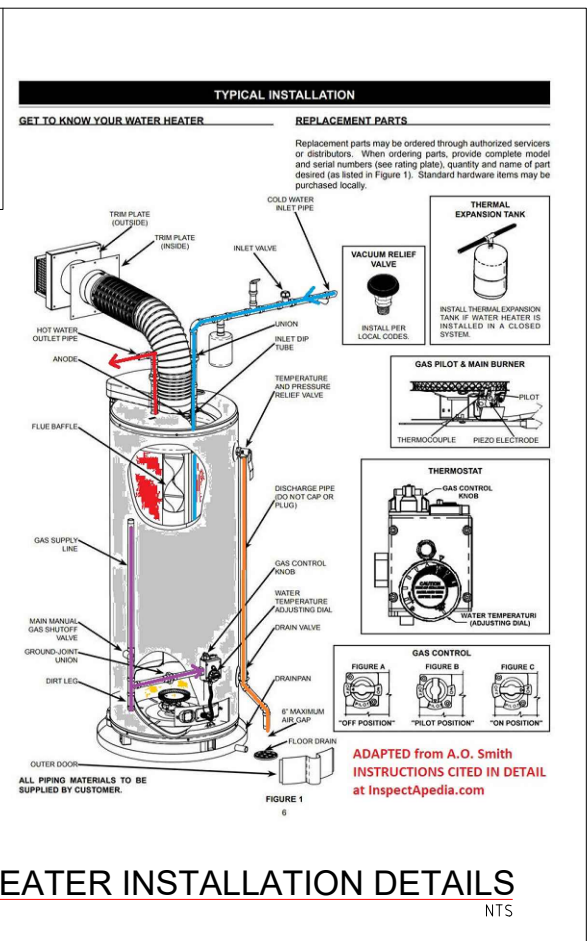
PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
SECOND FLOOR
WATER SUPPLY PLAN

DRAWN BY:	CHECKED BY:	DATE:
JOB NO:	SHT NO:	SCALE:
632-002	PL-05	3/32"=1'-0" @A3



Add three different tanks
 36 Gallon - 1 Bedroom Units
 40 Gallon - 2 Bedroom Units
 50 Gallon - 3 Bedroom Units



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CLIENT/CONSULTANT APPROVAL STATUS

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RESUBMIT	(C)
DISAPPROVED	(D)

OWNER:

ADDRESS:

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INDIANAPOLIS, IN 46268

DESIGN CONSULTANT:

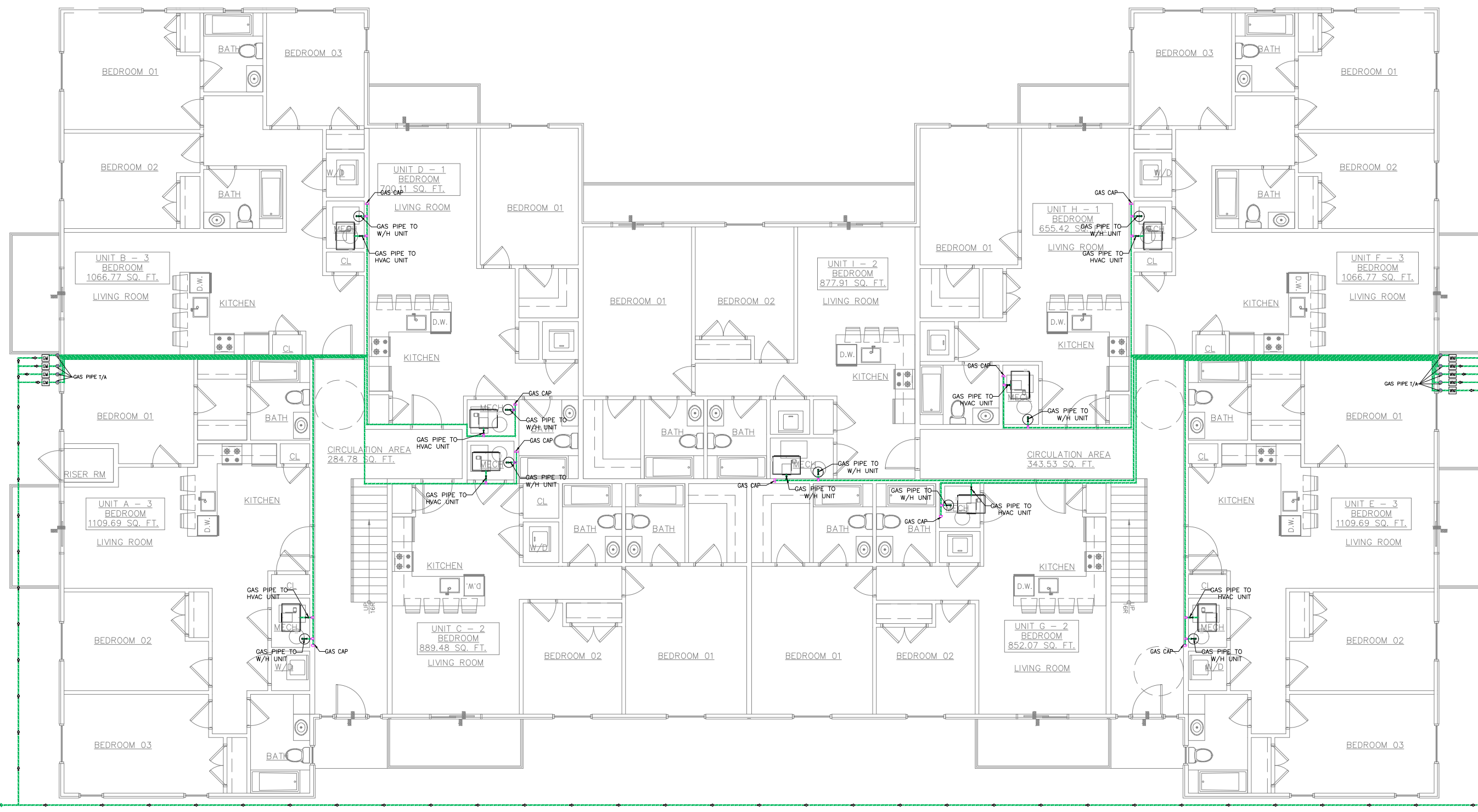
DRAWING STATUS:
DESIGN DRAWING

DISCIPLINE:
PLUMBING

PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
DETAILS

DRAWN BY:	CHECKED BY:	DATE:
JOB NO:	SHT NO:	SCALE:
632-002	PL-07	NTS @A3



GAS LEGEND:

SYMBOL	DESCRIPTION
	GAS SUPPLY PIPE
	SHUT OFF VALVE
	GATE VALVE
	TEE WITH REDUCER
	GAS CAP

Natural Gas Pipe Sizing Chart

Length of Pipe in Feet	Size of Pipe in Inches								
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
50	108	200	387	783	1037	2018	3443	5424	8821
75	102	192	368	747	1000	1978	3381	5346	8621
100	97	187	351	719	972	1955	3343	5287	8579
150	92	181	335	691	944	1932	3305	5248	8537
200	88	177	320	664	916	1909	3267	5209	8495
250	84	173	305	637	888	1886	3229	5170	8454
300	80	169	291	610	860	1863	3191	5131	8412
350	76	165	277	583	832	1840	3153	5092	8371
400	72	161	263	556	804	1817	3114	5053	8330
450	68	157	250	530	776	1794	3075	5014	8289
500	64	153	237	503	748	1771	3036	4975	8248
550	60	149	224	477	720	1748	2997	4936	8207
600	56	145	211	451	692	1725	2958	4897	8166
650	52	141	198	425	664	1702	2919	4858	8125
700	48	137	185	400	636	1679	2880	4819	8084
750	44	133	172	374	608	1656	2841	4780	8043
800	40	129	160	348	580	1633	2802	4741	8002
850	36	125	147	322	552	1610	2763	4702	7961
900	32	121	135	296	524	1587	2724	4663	7920
950	28	117	122	270	496	1564	2685	4624	7879
1000	24	113	110	244	468	1541	2646	4585	7838
1050	20	109	97	218	440	1518	2607	4546	7797
1100	16	105	85	192	412	1495	2568	4507	7756
1150	12	101	72	166	384	1472	2529	4468	7715
1200	8	97	60	140	356	1449	2490	4429	7674
1250	4	93	47	114	328	1426	2451	4390	7633
1300	0	89	35	88	300	1403	2412	4351	7592
1350	0	85	22	62	272	1380	2373	4312	7551
1400	0	81	10	36	244	1357	2334	4273	7510
1450	0	77	0	0	216	1334	2295	4234	7469
1500	0	73	0	0	188	1311	2256	4195	7428

Natural Gas flow is given in thousands of BTU/hr. One cubic foot of LP gas = 1000 BTU.
 Natural pressure at the burner for Natural Gas is 3.5" of water column. (Typical machine supply 5"-7")
 Pipe length must include additional length for all fittings. Add approximately 5 feet of pipe per fitting.
 Natural Gas Example: A machine with a burner that requires 443,000 BTU would need a 1 1/4" pipe for a 300' long run.

OWNER SIGNATURE

REVISION STATUS

Rev	DATE	DESCRIPTION	DRAWN BY
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CLIENT/CONSULTANT APPROVAL STATUS

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RESUBMIT	(C)
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OWNER:

ADDRESS:

62ND ST AND COFFMAN AVE,
INDIANAPOLIS, IN 46268

DESIGN CONSULTANT:

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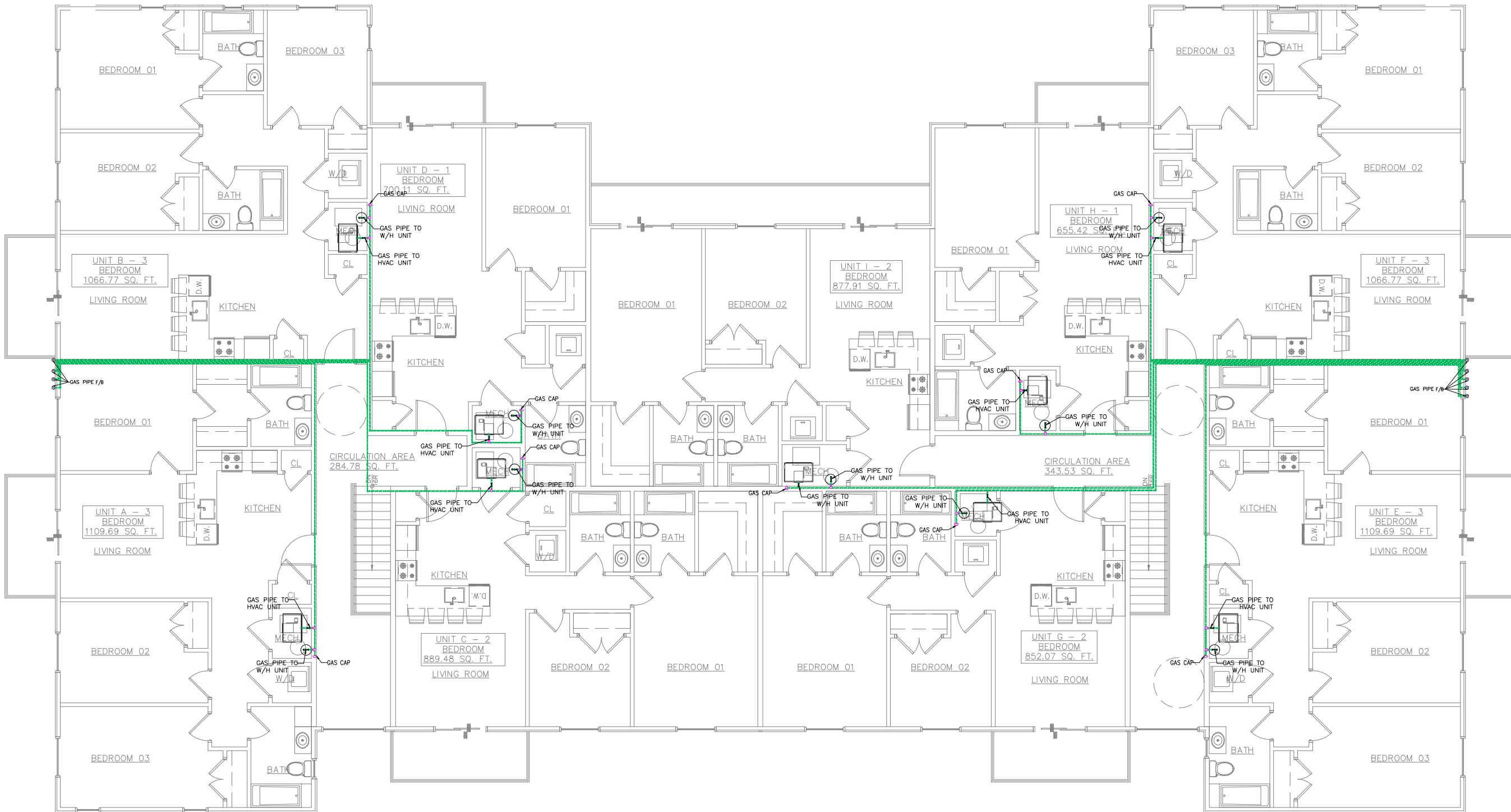
PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
FIRST FLOOR
GS SUPPLY PLAN

DRAWN BY: CHECKED BY: DATE:
18 JUL 2023

JOB NO: 632-002 SHT NO: PL-08 SCALE: 3/32"=1'-0" @A3

FIRST FLOOR GAS SUPPLY PLAN
SCALE 3/32"=1'-0"



GAS LEGEND:

SYMBOL	DESCRIPTION
	GAS SUPPLY PIPE
	SHUT OFF VALVE
	GATE VALVE
	TEE WITH REDUCER
	GAS CAP

Natural Gas Pipe Sizing Chart

Length of Pipe in Feet	Size of Pipe in Inches								
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
50	108	200	287	393	537	709	943	1241	1617
100	75	140	199	270	363	480	631	831	1091
150	60	110	155	207	276	363	477	631	831
200	51	92	130	173	230	300	393	515	680
250	45	81	114	151	199	260	338	443	587
300	40	73	102	134	177	230	299	393	515
350	36	67	93	121	159	207	270	354	460
400	33	62	86	111	144	188	243	315	410
450	30	58	80	104	133	173	222	287	375
500	28	54	76	99	125	161	207	266	345
550	26	51	72	94	118	151	193	246	318
600	24	48	68	90	113	144	183	230	293
650	23	46	66	87	110	140	177	222	281
700	22	44	64	85	107	137	173	219	276
750	21	43	63	84	106	136	171	217	273
800	20	42	62	83	105	135	169	216	272
850	19	41	61	82	104	134	168	215	271
900	19	41	61	82	104	134	168	215	271
950	18	40	60	81	103	133	167	214	270
1000	18	40	60	81	103	133	167	214	270

Natural Gas flow is given in thousands of BTU/hr. One cubic foot of LP gas = 1000 BTU.
Nominal pressure at the burner for Natural Gas is 3.5" of water column. (Typical machine supply 5"-7")
Pipe length must include additional length for all fittings. Add approximately 5 feet of pipe per fitting.
Natural Gas Example: A machine with a burner that requires 445,000 BTU would need a 1 1/4" pipe for a 20' long run.

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REVISION STATUS

Rev	DATE	DESCRIPTION	DRAWN BY
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INDIANAPOLIS, IN 46268

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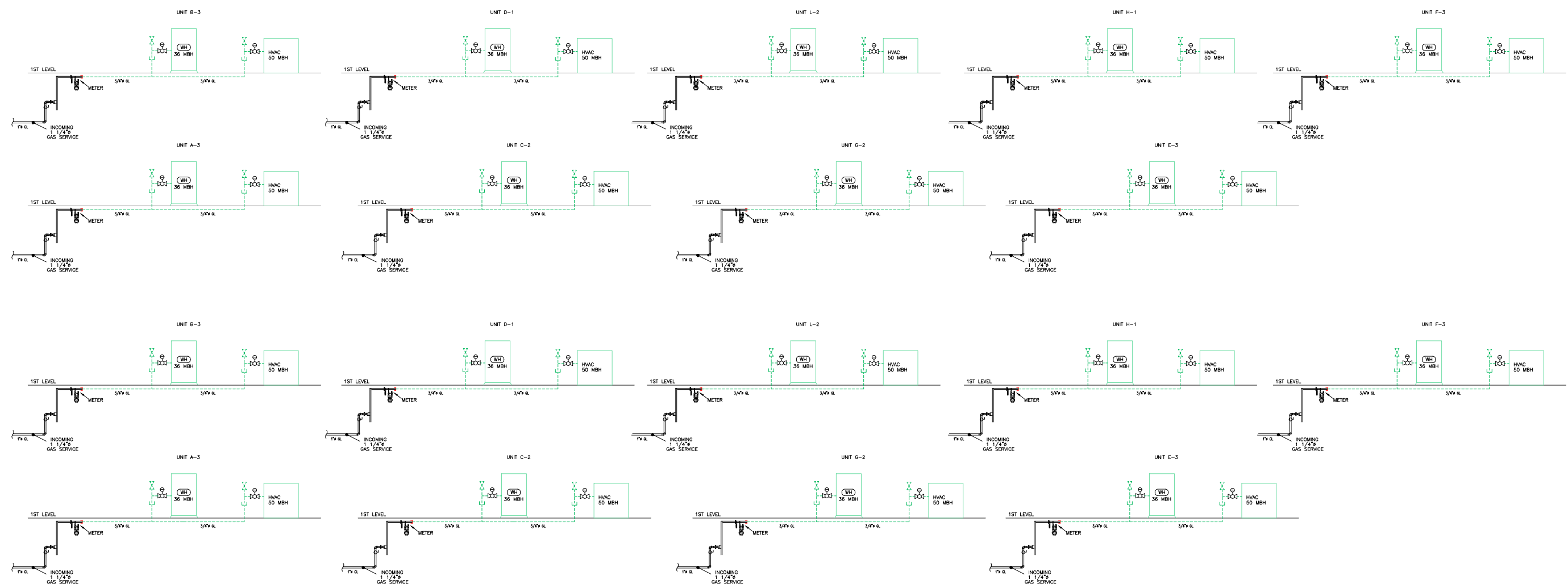
PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
SECOND FLOOR GAS
SUPPLY PLAN

DRAWN BY: CHECKED BY: DATE:
18 JUL 2023

JOB NO: 632-002 SHT NO: PL-09 SCALE: 3/32"=1'-0" @A3

PL 05 **SECOND FLOOR GAS SUPPLY PLAN**
SCALE 3/32"=1'-0"



GAS LEGEND:	
SYMBOL	DESCRIPTION
	GAS SUPPLY PIPE
	SHUT OFF VALVE
	GATE VALVE
	TEE WITH REDUCER
	GAS CAP

BASIS OF GAS DESIGN:
 EACH NEW GAS METER TOTAL CONNECTED LOAD = 86 MBH, TOTAL DEVELOPED SYSTEM PIPING LENGTH IS LESS THAN 60 FT.
 PIPE SIZING CRITERIA: IFGC-2015, TABLE 402.4(2), FOR LESS THAN 2 PSI GAS SUPPLY PRESSURE, 0.6 SP.GR. AND 0.5 IN. W.C. PRESSURE DROP.

- GAS NOTES:**
1. ALL GAS PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 54 AND LOCAL AUTHORITY AND UTILITY COMPANY REQUIREMENTS.
 2. GAS LINES ARE TO BE LEAK TESTED BY CONTRACTOR TO DETERMINE THAT THERE ARE NO LEAKS PRIOR TO EQUIPMENT START-UP.
 3. ALL GAS VALVES AND CONNECTIONS TO EQUIPMENT MUST BE ACCESSIBLE. GAS SHUT-OFF VALVES SHALL BE LOCATED OUTSIDE OF HOUSING ON ALL ITEMS OR EQUIPMENT.

GAS SUPPLY SYSTEM RISER DIAGRAM
 PL 10 SCALE NTS

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REVISION STATUS			
REV	DATE	DESCRIPTION	DRAWN BY
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RESUBMIT	(C)
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 ADDRESS:

62ND ST AND COFFMAN AVE,
 INDIANAPOLIS, IN 46268

DESIGN CONSULTANT:

DRAWING STATUS:
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DISCIPLINE:
 PLUMBING

PROJECT TITLE:
 COFFMAN APTS

DRAWING TITLE:
 GAS SUPPLY SYSTEM
 RISER DIAGRAM

DRAWN BY:	CHECKED BY:	DATE:
JOB NO:	SHT NO:	SCALE:
632-002	PL-10	18 JUL 2023 NTS @A3

MECHANICAL LEGEND

SYMBOL	ABBREV.	DESCRIPTION	SYMBOL	ABBREV.	DESCRIPTION
		COORDINATE WITH ELECTRICAL			LINED DUCTWORK (OR PLENUM)
	CD	CONDENSATE DRAIN (A.C)			DUCT RISE IN DIRECTION OF FLOW
	D	DRAIN			DUCT DROP IN DIRECTION OF FLOW
	RD	REFRIGERANT DISCHARGE			ROUND DUCT UP
	RL	REFRIGERANT LIQUID			ROUND DUCT DOWN
	RS	REFRIGERANT SUCTION			SUPPLY DUCT UP
		PIPE DOWN			SUPPLY DUCT DOWN
		PIPE UP		RA/OA	RETURN AIR DUCT/OUTSIDE AIR DUCT UP
		PIPE RISE (OR DN. FOR DROP)			RETURN AIR DUCT/OUTSIDE AIR DUCT DOWN
		DIRECTION OF FLOW IN PIPE			EXHAUST AIR DUCT UP
	AV	AIR VENT (VALVE)			EXHAUST AIR DUCT DOWN
	CHV	CHECK VALVE			DUCT TRANSITION
	CV (2W)	CONTROL VALVE (2-WAY)		CD	CEILING DIFFUSER
	CV (3W)	CONTROL VALVE (3-WAY)		RR	RETURN REGISTER
	FCD	AUTOMATIC FLOW CONTROL DEVICE		ER	EXHAUST REGISTER
	SOV	SHUT OFF VALVE		T'STAT	THERMOSTAT OR TEMPERATURE SENSOR (NUMBER INDICATES EQUIPMENT OR ZONE SERVED)
		GLOBE/BALL/BUTTERFLY VALVE		H'STAT	HUMIDISTAT
	BV	COMBINATION BALANCING & SHUT-OFF VALVE			CARBON DIOXIDE SENSOR
	FEV	FLOW ELEMENT VENTURI		CFM	CUBIC FEET PER MINUTE
		VALVE ON RISE OR DROP			SYMBOL, SEE EQUIPMENT SCHEDULE
	STR.	STRAINER			SUPPLY AIR REGISTER
	CL	CAPPED LINE			RETURN AIR REGISTER
	DN.	DOWN OR DROP			SUPPLY AIR DIFFUSER W/ AIR DIRECTION
	UP	RISE OR RISER			SUPPLY AIR SIDEWALL DIFFUSER
	RV	PRESSURE RELIEF VALVE			4-WAY SUPPLY AIR DIFFUSER
	PG	PRESSURE GAUGE WITH BALL VALVE			RETURN/ EXHAUST AIR GRILLE
	R.	ECCENTRIC REDUCER			SUPPLY/EXHAUST AIR FAN
	R.	CONCENTRIC REDUCER			TERMINAL TAG/ QTY, AIR QUANTITY (CFM)
	FC	FLEXIBLE CONNECTION (PIPE)			DOOR LOUVER
	PA	PIPE ANCHOR			UNDER CUT
	U	UNION			INTAKE/ EGRESS
		DUCTWORK (1ST NUMBER INDICATES WIDTH SHOWN), NET INSIDE DIMENSION			DUCT HEATER
	TV	SQUARE ELBOW WITH TURNING VANES			WASHROOM VENTILATOR
		RADIUS ELBOW			
	MVD	MANUAL VOLUME DAMPER			
	MOD	MOTOR OPERATED DAMPER			
	BDD	BACKDRAFT DAMPER			
	FD	FIRE DAMPER			
	SD	DUCT MOUNTED SMOKE DETECTOR			
	SFD	AUTOMATIC SMOKE AND FIRE DAMPER			
	FLEX	FLEXIBLE CONNECTION (DUCTWORK)			
	FLEX	FLEXIBLE CONNECTION OR SEISMIC JOINT			

HVAC ABBREVIATIONS

A AMPERES	HZ FREQUENCY
AC AIR CONDITIONING	IN INCH OR INCHES
AD ACCESS DOOR	KW KILOWATT
AFF ABOVE FINISHED FLOOR	LG LENGTH
AL ACOUSTICAL LINING	LAT LEAVING AIR TEMPERATURE
BHP BRAKE HORSEPOWER	LBS POUNDS
BTU BRITISH THERMAL UNIT	LDB LEAVING DRY BULB TEMPERATURE
BTUH BTU PER HOUR	LIN FT LINEAR FEET
CD CEILING DIFFUSER	LWB LEAVING WET BULB TEMPERATURE
CFM CUBIC FEET PER MINUTE	MAX MAXIMUM
CG CEILING GRILLE	MBH THOUSAND BTU PER HOUR
CLG CEILING	MHP MOTOR HORSEPOWER
COMPR COMPRESSOR	MIN MINIMUM
CR CEILING REGISTER	NIC NOT IN CONTRACT
DB DRY BULB	NO. NUMBER
DIAM DIAMETER	NTS NOT TO SCALE
DN DOWN	RA RETURN AIR
DWG DRAWING	RM ROOM
DX DIRECT EXPANSION	RPM REVOLUTIONS PER MINUTE
EAT ENTERING AIR TEMPERATURE	SP STATIC PRESSURE
EDB ENTERING DRY BULB TEMPERATURE	SPEC SPECIFICATION
EF EXHAUST FAN	TEMP TEMPERATURE
EWB ENTERING WET BULB	TG TOP GRILLE
EWT ENTERING WATER TEMPERATURE	TV TURNING VANES
*F DEGREES FAHRENHEIT	TYP TYPICAL
FC FLEXIBLE CONNECTION	W WIDTH
FD FIRE DAMPER	W/ WITH
FIN FL FINISHED FLOOR	W/O WITHOUT
FLA FULL LOAD AMPERES	WB WET BULB
FPM FEET PER MINUTE	WMS WIRE MESH SCREEN
FT FEET	SG SUPPLY GRILLE
HD HEAD	RG RETURN GRILLE
HR HOUR	SP SMOKE PURGE
MAU MAKE UP AIR UNIT	

OWNER SIGNATURE

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OWNER: _____

ADDRESS: _____

**62ND ST AND COFFMAN AVE,
INDIANAPOLIS, IN 46268**

DESIGN CONSULTANT: _____

DRAWING STATUS: **DESIGN DRAWING**

DISCIPLINE: **MECHANICAL**

PROJECT TITLE: **COFFMAN APTS**

DRAWING TITLE: **NOTES**

DRAWN BY:	CHECKED BY:	DATE: 18 JUL 2023
JOB NO: 632-002	SHT NO: ME-01	SCALE: NTS @A3

Goodman 2 Ton Heat Pump System

Brand	Goodman	2 Ton
Nominal Capacity	Single	
Stages	-	
SEER Rating	11.5 EER	
EER Rating	24000 BTU	
Nominal Cooling Capacity (BTU)	24000 BTU	
Heating Capacity	22000 BTU	
Cooling Capacity	Goodman GSZ16061	
Heat Pump unit	Goodman AVPTC61D14	
Air Handler unit	Goodman HKSC20DB	
Heat Kit unit	Goodman 204121159	
AHR1	Multi-Position	
Configuration	724 CFM	
Max Airflow	Heating and Cooling	
Operation		

Heat Pump Specifications

Product Line	GSZ16
Refrigerant	R-410a
Operation	Heating and Cooling
Installation Area	Outdoor
Stages	Single
Capacity	2 Ton
Cooling	BTU 24000
Heating Capacity	24000 BTU
SEER Rating	-

Heat Pump Electrical Data

Voltage	208/230 Volts
Phase	1
Frequency	60 Hz
Minimum Circuit Ampacity	37 Amps
Breaker Circuit Size (Recommended)	60 Amps

Heat Pump Dimensions

Suction Conn. Size	1 1/8 Inches
Liquid Conn. Size	3/8 Inches
Heat Pump Height	40 Inches
Heat Pump Width	35.5 Inches
Heat Pump Depth	35.5 Inches

Heat Pump Weight

Product Weight	306 Pounds
Shipping Weight	326 Pounds

Goodman 3 Ton Heat Pump System

Brand	Goodman	3 Ton
Nominal Capacity	Single	
Stages	-	
SEER Rating	11.5 EER	
EER Rating	36000 BTU	
Nominal Cooling Capacity (BTU)	36000 BTU	
Heating Capacity	33000 BTU	
Cooling Capacity	Goodman GSZ16061	
Heat Pump unit	Goodman AVPTC61D14	
Air Handler unit	Goodman HKSC20DB	
Heat Kit unit	Goodman 204121159	
AHR1	Multi-Position	
Configuration	1086 CFM	
Max Airflow	Heating and Cooling	
Operation		

Heat Pump Specifications

Product Line	GSZ16
Refrigerant	R-410a
Operation	Heating and Cooling
Installation Area	Outdoor
Stages	Single
Capacity	3 Ton
Cooling	BTU 36000
Heating Capacity	36000 BTU
SEER Rating	-

Heat Pump Electrical Data

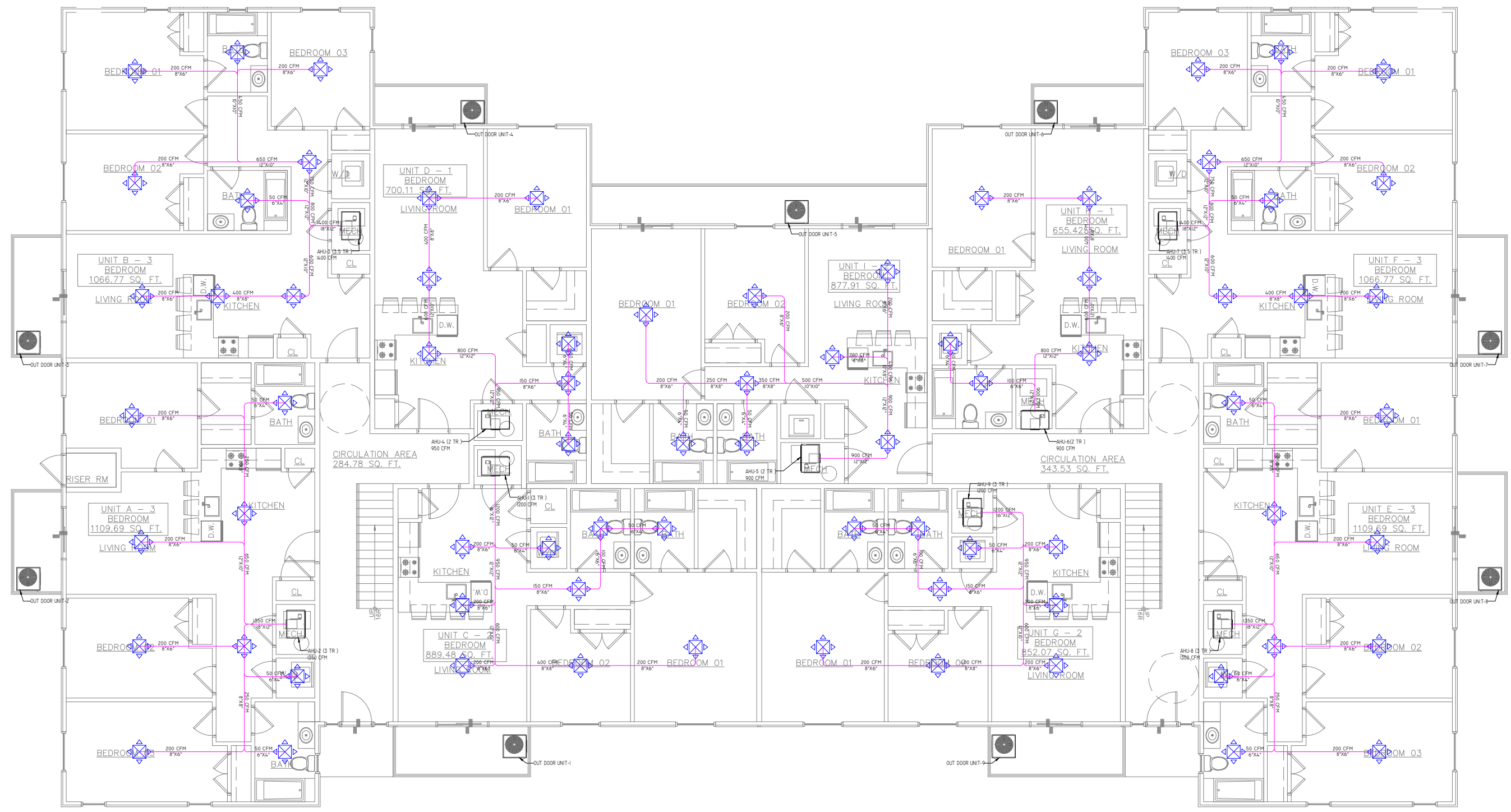
Voltage	208/230 Volts
Phase	1
Frequency	60 Hz
Minimum Circuit Ampacity	37 Amps
Breaker Circuit Size (Recommended)	60 Amps

Heat Pump Dimensions

Suction Conn. Size	1 1/8 Inches
Liquid Conn. Size	3/8 Inches
Heat Pump Height	40 Inches
Heat Pump Width	35.5 Inches
Heat Pump Depth	35.5 Inches

Heat Pump Weight

Product Weight	306 Pounds
Shipping Weight	326 Pounds



DRAWING LEGEND

SYMBOL	DESCRIPTION
	OUTDOOR AIR CONDENSING UNIT
	VERTICAL AIR HANDLER UNIT
	AIR SUPPLY DUCT. SIZE IS SHOWN ON PLAN
	EXHAUST AIR DUCT. SIZE IS SHOWN ON PLAN
	SUPPLY AIR DIFFUSER ON CEILING FOR BASEMENT

OWNER SIGNATURE

REVISION STATUS

Rev	DATE	DESCRIPTION	DRAWN BY
00	18-07-2023	ISSUED FOR APPROVAL	
01			
02			
03			
04			

CLIENT/CONSULTANT APPROVAL STATUS

APPROVED	(A)
APPROVED WITH NOTES	(B)
RESUBMIT	(C)
DISAPPROVED	(D)

OWNER:

ADDRESS:

62ND ST AND COFFMAN AVE,
INDIANAPOLIS, IN 46268

DESIGN CONSULTANT:

DRAWING STATUS:
DESIGN DRAWING

DISCIPLINE:
MECHANICAL

PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
FIRST FLOOR HVAC PLAN

DRAWN BY:	CHECKED BY:	DATE:
JOB NO:	SHT NO:	SCALE:
632-002	ME-02	3/32"=1'-0" @A3

FIRST FLOOR HVAC PLAN
SCALE 3/32"=1'-0"

Goodman 2 Ton Heat Pump System

Brand	Goodman	2 Ton
Nominal Capacity	Single	24000 BTU
Stages	-	11.5 EER
SEER Rating	-	24000 BTU
EER Rating	-	24000 BTU
Nominal Cooling Capacity (BTU)	-	22000 BTU
Heating Capacity	Goodman GSZ16061	24000 BTU
Cooling Capacity	Goodman AVPTC61D14	24000 BTU
Heat Pump unit	Goodman HKSC20DB	204121159
Air Handler unit	Goodman AVPTC61D14	204121159
Heat Kit unit	Goodman	204121159
AHRI	Multi-Position	724 CFM
Configuration	Heating and Cooling	
Max Airflow		
Operation		

Heat Pump Specifications

Product Line	GSZ16
Refrigerant	R-410a
Operation	Heating and Cooling
Installation Area	Outdoor
Stages	Single
Capacity	2 Ton
Cooling	BTU 24000
Cooling Capacity	24000 BTU
SEER Rating	-

Heat Pump Electrical Data

Voltage	208/230 Volts
Phase	1
Frequency	60 Hz
Minimum Circuitry Ampacity	37 Amps
Breaker Circuit Size (Recommended)	60 Amps

Heat Pump Dimensions

Suction Conn. Size	1 1/8 Inches
Liquid Conn. Size	3/8 Inches
Heat Pump Height	40 Inches
Heat Pump Width	35.5 Inches
Heat Pump Depth	35.5 Inches

Heat Pump Weight

Product Weight	306 Pounds
Shipping Weight	326 Pounds

Goodman 3 Ton Heat Pump System

Brand	Goodman	3 Ton
Nominal Capacity	Single	36000 BTU
Stages	-	11.5 EER
SEER Rating	-	36000 BTU
EER Rating	-	36000 BTU
Nominal Cooling Capacity (BTU)	-	33000 BTU
Heating Capacity	Goodman GSZ16061	36000 BTU
Cooling Capacity	Goodman AVPTC61D14	36000 BTU
Heat Pump unit	Goodman HKSC20DB	204121159
Air Handler unit	Goodman AVPTC61D14	204121159
Heat Kit unit	Goodman	204121159
AHRI	Multi-Position	1086 CFM
Configuration	Heating and Cooling	
Max Airflow		
Operation		

Heat Pump Specifications

Product Line	GSZ16
Refrigerant	R-410a
Operation	Heating and Cooling
Installation Area	Outdoor
Stages	Single
Capacity	3 Ton
Cooling	BTU 36000
Cooling Capacity	36000 BTU
SEER Rating	-

Heat Pump Electrical Data

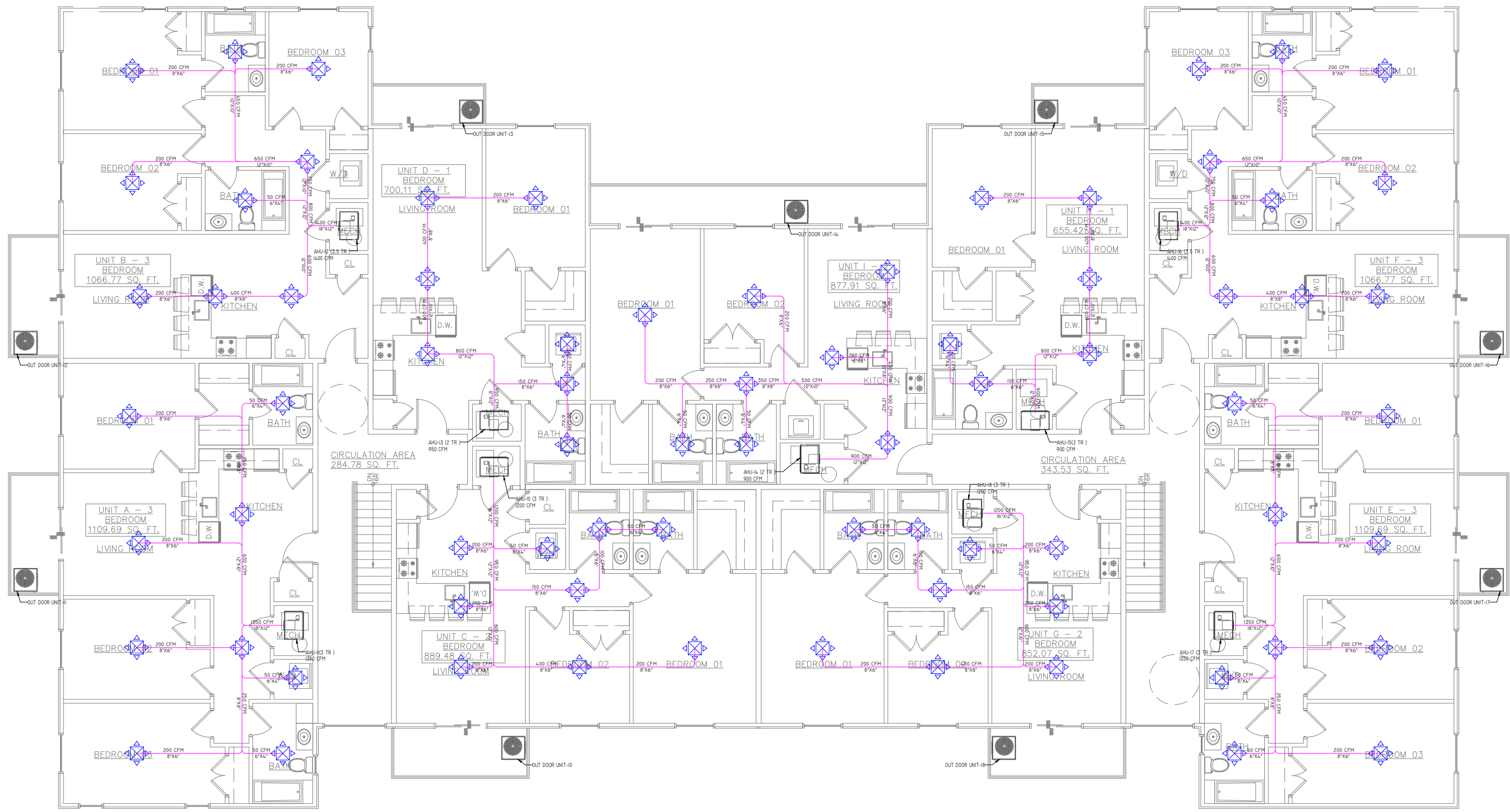
Voltage	208/230 Volts
Phase	1
Frequency	60 Hz
Minimum Circuitry Ampacity	37 Amps
Breaker Circuit Size (Recommended)	60 Amps

Heat Pump Dimensions

Suction Conn. Size	1 1/8 Inches
Liquid Conn. Size	3/8 Inches
Heat Pump Height	40 Inches
Heat Pump Width	35.5 Inches
Heat Pump Depth	35.5 Inches

Heat Pump Weight

Product Weight	306 Pounds
Shipping Weight	326 Pounds



DRAWING LEGEND

SYMBOL	DESCRIPTION
	OUTDOOR AIR CONDENSING UNIT
	VERTICAL AIR HANDLER UNIT
	AIR SUPPLY DUCT. SIZE IS SHOWN ON PLAN
	EXHAUST AIR DUCT. SIZE IS SHOWN ON PLAN
	SUPPLY AIR DIFFUSER ON CEILING FOR BASEMENT

OWNER SIGNATURE

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62ND ST AND COFFMAN AVE,
INDIANAPOLIS, IN 46268

DESIGN CONSULTANT:

DRAWING STATUS:
DESIGN DRAWING

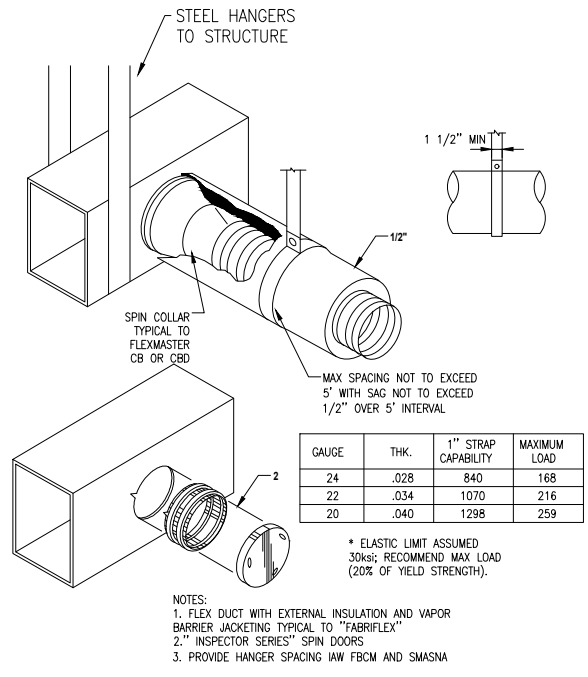
DISCIPLINE:
MECHANICAL

PROJECT TITLE:
COFFMAN APTS

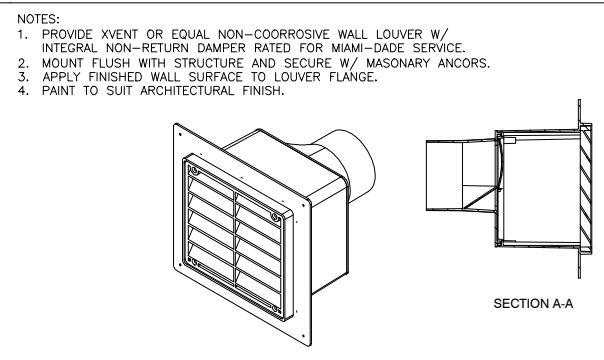
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SECOND FLOOR HVAC PLAN

ME 03 SCALE SECOND FLOOR HVAC PLAN 3/32"=1'-0"

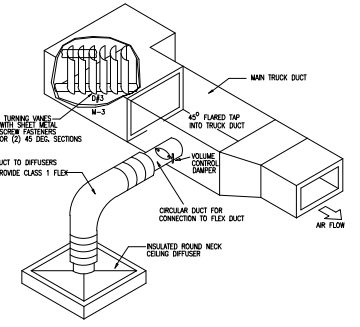
DRAWN BY:	CHECKED BY:	DATE:
JOB NO:	SHT NO:	SCALE:
632-002	ME-03	3/32"=1'-0" @A3



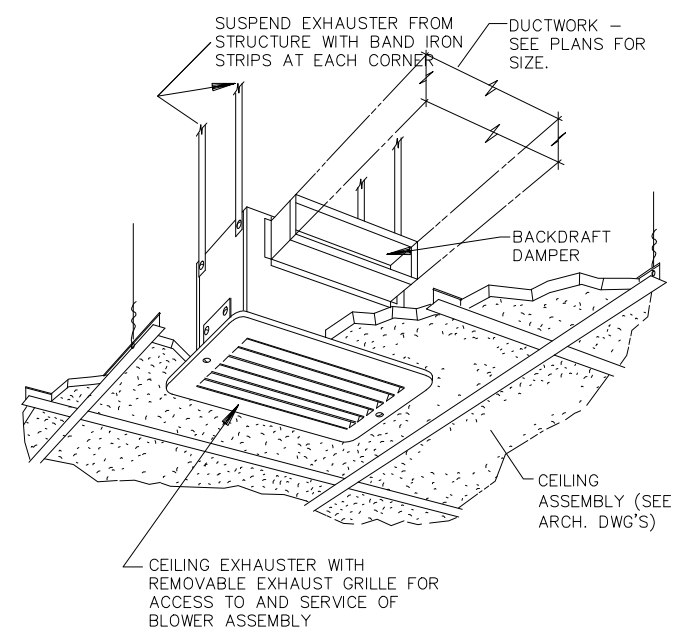
8 SUPPORT REQUIREMENTS FOR DUCT NTS SCALE



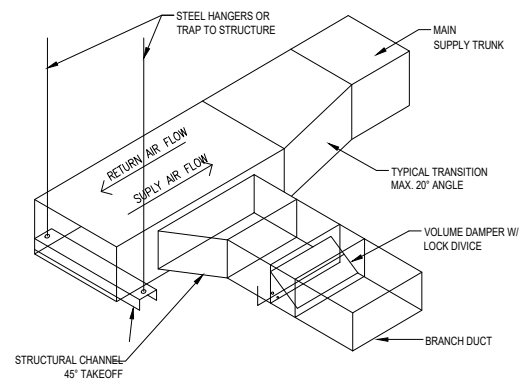
9 TYPICAL VENT LOUVER TERMINATION AT WEATHER NTS SCALE



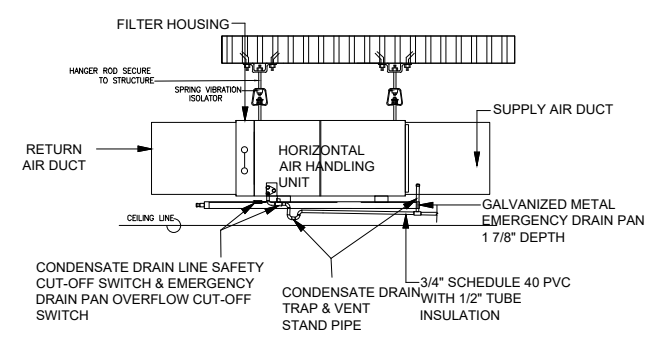
10 TURNING VANES DETAIL NTS SCALE



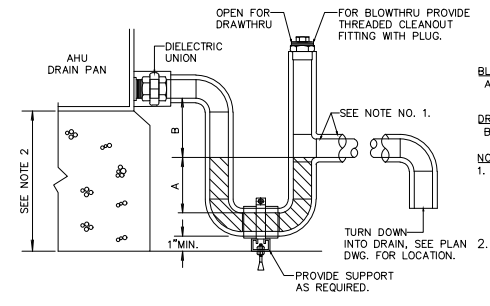
11 CEILING MOUNTED FAN DETAIL NTS SCALE



12 BRANCH DUCT TAKEOFF DETAIL NTS SCALE



13 AHU CEILING MOUNTED TYPICAL INSTALLATION DETAIL NTS SCALE

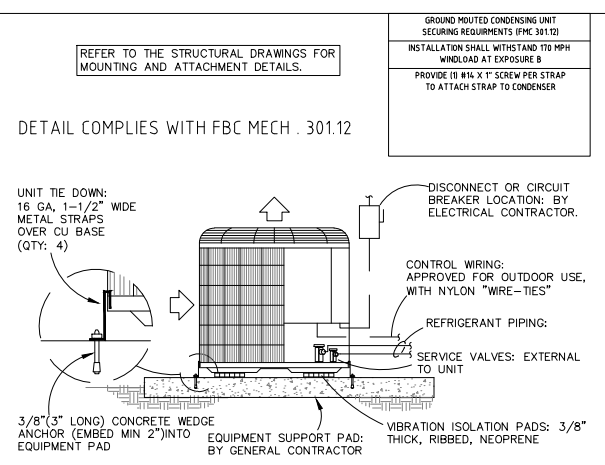


14 CONDENSATE DRAIN DETAIL NTS SCALE

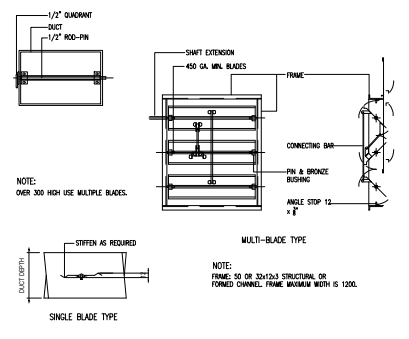
BLOWTHRU:
 A = GREATER OF 4" OR 1/2" PLUS AHU TOTAL PRESSURE IN INCHES-WC.

DRAWTHRU:
 B = GREATER OF 2" OR 1/2" PLUS AHU TOTAL PRESSURE IN INCHES-WC.

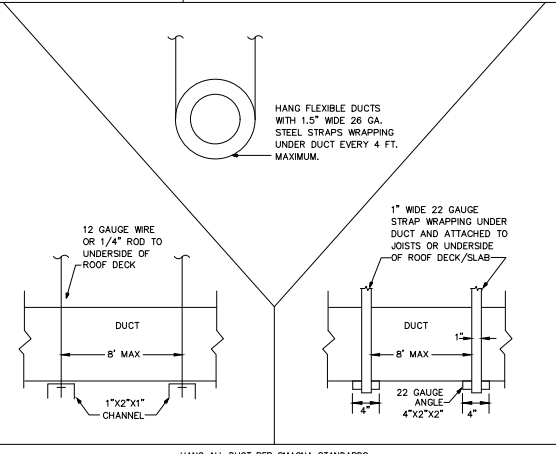
NOTES:
 1. REF. PLAN DWG'S FOR CONDENSATE DRAIN PIPE SIZE, (1" MIN. AT EACH AHU DRAIN CONNECTION POINT). REF. SPECIFICATIONS FOR PIPE AND INSULATION MATERIAL REQUIREMENTS.
 2. PAD OR STANCHION HEIGHT DETERMINED BY SPACE REQD TO INSTALL TRAP. REF. PLAN DWG'S HEIGHT.



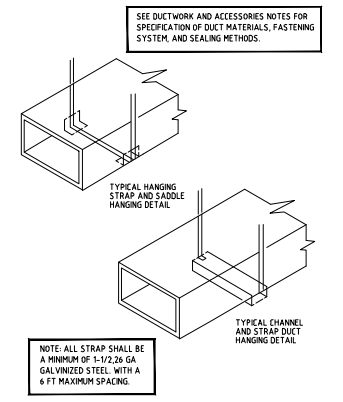
15 CONDENSER MOUNTING DETAIL NTS SCALE



16 VOLUME DAMPER DETAIL NTS SCALE



17 DUCT SUPPORT DETAIL NTS SCALE



18 METHODS OF HANGING RIGID FIBERGLASS DUCT DETAIL NTS SCALE

OWNER SIGNATURE

REVISION STATUS			
Rev	DATE	DESCRIPTION	DRAWN BY
00	18-07-2023	ISSUED FOR APPROVAL	
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CLIENT/CONSULTANT APPROVAL STATUS	
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APPROVED WITH NOTES	(B)
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DISAPPROVED	(D)

OWNER:

ADDRESS:

62ND ST AND COFFMAN AVE,
 INDIANAPOLIS, IN 46268

DESIGN CONSULTANT:

DRAWING STATUS:
 DESIGN DRAWING

DISCIPLINE:
 MECHANICAL

PROJECT TITLE:
 COFFMAN APTS

DRAWING TITLE:
 DETAILS

DRAWN BY:	CHECKED BY:	DATE:
JOB NO:	SHT NO:	SCALE:
632-002	ME-04	NTS @A3

Goodman 2 Ton Heat Pump System

Brand	Goodman	2 Ton
Nominal Capacity	Single	
Stages	-	
SEER Rating	11.5 EER	
EER Rating	24000 BTU	
Nominal Cooling Capacity (BTU)	24000 BTU	
Heating Capacity	22000 BTU	
Cooling Capacity	Goodman GSZ160601	
Heat Pump unit	Goodman AVPTC61D14	
Air Handler unit	Goodman HKSC20DB	
Heat Kit unit	Goodman 204121159	
AHRI	Multi-Position	
Configuration	724 CFM	
Max Airflow	Heating and Cooling	
Operation		

Heat Pump Specifications

Product Line	GSZ16
Refrigerant	R-410a
Operation	Heating and Cooling
Installation Area	Outdoor
Stages	Single
Capacity	2 Ton
Cooling	BTU 24000
Cooling Capacity	24000 BTU
SEER Rating	-

Heat Pump Electrical Data

Voltage	208/230 Volts
Phase	1
Frequency	60 Hz
Minimum Circuitry Ampacity	37 Amps
Breaker Circuit Size (Recommended)	60 Amps

Heat Pump Dimensions

Suction Conn. Size	1 1/8 Inches
Liquid Conn. Size	3/8 Inches
Heat Pump Height	40 Inches
Heat Pump Width	35.5 Inches
Heat Pump Depth	35.5 Inches

Heat Pump Weight

Product Weight	306 Pounds
Shipping Weight	326 Pounds

Goodman 3 Ton Heat Pump System

Brand	Goodman	3 Ton
Nominal Capacity	Single	
Stages	-	
SEER Rating	11.5 EER	
EER Rating	36000 BTU	
Nominal Cooling Capacity (BTU)	36000 BTU	
Heating Capacity	33000 BTU	
Cooling Capacity	Goodman GSZ160601	
Heat Pump unit	Goodman AVPTC61D14	
Air Handler unit	Goodman HKSC20DB	
Heat Kit unit	Goodman 204121159	
AHRI	Multi-Position	
Configuration	1086 CFM	
Max Airflow	Heating and Cooling	
Operation		

Heat Pump Specifications

Product Line	GSZ16
Refrigerant	R-410a
Operation	Heating and Cooling
Installation Area	Outdoor
Stages	Single
Capacity	3 Ton
Cooling	BTU 36000
Cooling Capacity	36000 BTU
SEER Rating	-

Heat Pump Electrical Data

Voltage	208/230 Volts
Phase	1
Frequency	60 Hz
Minimum Circuitry Ampacity	37 Amps
Breaker Circuit Size (Recommended)	60 Amps

Heat Pump Dimensions

Suction Conn. Size	1 1/8 Inches
Liquid Conn. Size	3/8 Inches
Heat Pump Height	40 Inches
Heat Pump Width	35.5 Inches
Heat Pump Depth	35.5 Inches

Heat Pump Weight

Product Weight	306 Pounds
Shipping Weight	326 Pounds

MECHANICAL LOAD (UNIT B-3)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	162	200	0.5	6000
2	BR #2	AS PER SUPPLIER	132	200	0.5	6000
3	BR #3	AS PER SUPPLIER	112	200	0.5	6000
4	LIVING & KITCHEN	AS PER SUPPLIER	612	750	1.8	21600
5	BATH	AS PER SUPPLIER	48	50	0.125	1500
TOTAL			1066	1400	3.0	36,000

MECHANICAL LOAD (UNIT D-1)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	137	200	0.5	6000
2	LIVING & KITCHEN	AS PER SUPPLIER	427	700	1.7	16500
3	BATH	AS PER SUPPLIER	48	50	0.125	1500
TOTAL			700	950	2.0	24,000

MECHANICAL LOAD (UNIT L-2)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	187	200	0.5	6000
2	BR #1	AS PER SUPPLIER	134	200	0.5	6000
3	LIVING & KITCHEN	AS PER SUPPLIER	456	400	1	9000
4	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			877	900	2.0	24,000

MECHANICAL LOAD (UNIT H-1)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	137	200	0.5	6000
2	LIVING & KITCHEN	AS PER SUPPLIER	427	700	1.7	16500
3	BATH	AS PER SUPPLIER	48	50	0.125	1500
TOTAL			700	950	2.0	24,000

MECHANICAL LOAD (UNIT F-3)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	162	200	0.5	6000
2	BR #2	AS PER SUPPLIER	132	200	0.5	6000
3	BR #3	AS PER SUPPLIER	112	200	0.5	6000
4	LIVING & KITCHEN	AS PER SUPPLIER	612	750	1.8	21600
5	BATH	AS PER SUPPLIER	48	50	0.125	1500
TOTAL			1066	1400	3.0	36,000

MECHANICAL LOAD (UNIT A-3)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	146	200	0.5	6000
2	BR #2	AS PER SUPPLIER	146	200	0.5	6000
3	BR #3	AS PER SUPPLIER	140	200	0.5	6000
4	LIVING & KITCHEN	AS PER SUPPLIER	577	650	1.6	15000
5	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			1109	1350	3.0	36,000

MECHANICAL LOAD (UNIT C-2)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	183	200	0.5	6000
2	BR #1	AS PER SUPPLIER	112	200	0.5	6000
3	LIVING & KITCHEN	AS PER SUPPLIER	494	700	1.75	21000
4	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			889	1200	3.0	36,000

MECHANICAL LOAD (UNIT G-2)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	183	200	0.5	6000
2	BR #1	AS PER SUPPLIER	112	200	0.5	6000
3	LIVING & KITCHEN	AS PER SUPPLIER	494	700	1.75	21000
4	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			889	1200	3.0	36,000

MECHANICAL LOAD (UNIT E-3)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	146	200	0.5	6000
2	BR #2	AS PER SUPPLIER	146	200	0.5	6000
3	BR #3	AS PER SUPPLIER	140	200	0.5	6000
4	LIVING & KITCHEN	AS PER SUPPLIER	577	650	1.6	15000
5	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			1109	1350	3.0	36,000

MECHANICAL LOAD (UNIT B-3)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	162	200	0.5	6000
2	BR #2	AS PER SUPPLIER	132	200	0.5	6000
3	BR #3	AS PER SUPPLIER	112	200	0.5	6000
4	LIVING & KITCHEN	AS PER SUPPLIER	612	750	1.8	21600
5	BATH	AS PER SUPPLIER	48	50	0.125	1500
TOTAL			1066	1400	3.0	36,000

MECHANICAL LOAD (UNIT D-1)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	137	200	0.5	6000
2	LIVING & KITCHEN	AS PER SUPPLIER	427	700	1.7	16500
3	BATH	AS PER SUPPLIER	48	50	0.125	1500
TOTAL			700	950	2.0	24,000

MECHANICAL LOAD (UNIT L-2)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	187	200	0.5	6000
2	BR #1	AS PER SUPPLIER	134	200	0.5	6000
3	LIVING & KITCHEN	AS PER SUPPLIER	456	400	1	9000
4	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			877	900	2.0	24,000

MECHANICAL LOAD (UNIT H-1)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	137	200	0.5	6000
2	LIVING & KITCHEN	AS PER SUPPLIER	427	700	1.7	16500
3	BATH	AS PER SUPPLIER	48	50	0.125	1500
TOTAL			700	950	2.0	24,000

MECHANICAL LOAD (UNIT F-3)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	162	200	0.5	6000
2	BR #2	AS PER SUPPLIER	132	200	0.5	6000
3	BR #3	AS PER SUPPLIER	112	200	0.5	6000
4	LIVING & KITCHEN	AS PER SUPPLIER	612	750	1.8	21600
5	BATH	AS PER SUPPLIER	48	50	0.125	1500
TOTAL			1066	1400	3.0	36,000

MECHANICAL LOAD (UNIT A-3)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	146	200	0.5	6000
2	BR #2	AS PER SUPPLIER	146	200	0.5	6000
3	BR #3	AS PER SUPPLIER	140	200	0.5	6000
4	LIVING & KITCHEN	AS PER SUPPLIER	577	650	1.6	15000
5	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			1109	1350	3.0	36,000

MECHANICAL LOAD (UNIT C-2)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	183	200	0.5	6000
2	BR #1	AS PER SUPPLIER	112	200	0.5	6000
3	LIVING & KITCHEN	AS PER SUPPLIER	494	700	1.75	21000
4	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			889	1200	3.0	36,000

MECHANICAL LOAD (UNIT G-2)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	183	200	0.5	6000
2	BR #1	AS PER SUPPLIER	112	200	0.5	6000
3	LIVING & KITCHEN	AS PER SUPPLIER	494	700	1.75	21000
4	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			889	1200	3.0	36,000

MECHANICAL LOAD (UNIT E-3)

NO#	LOCATION	MANUFACTURER	AREA SQFT	CFM	TR	BTU
1	BR #1	AS PER SUPPLIER	146	200	0.5	6000
2	BR #2	AS PER SUPPLIER	146	200	0.5	6000
3	BR #3	AS PER SUPPLIER	140	200	0.5	6000
4	LIVING & KITCHEN	AS PER SUPPLIER	577	650	1.6	15000
5	BATH	AS PER SUPPLIER	100	100	0.25	3000
TOTAL			1109	1350	3.0	36,000

OWNER SIGNATURE

REVISION STATUS

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CLIENT/CONSULTANT APPROVAL STATUS

APPROVED	(A)
APPROVED WITH NOTES	(B)
RESUBMIT	(C)
DISAPPROVED	(D)

OWNER:

ADDRESS:
**62ND ST AND COFFMAN AVE,
INDIANAPOLIS, IN 46268**

DESIGN CONSULTANT:

DRAWING STATUS:
DESIGN DRAWING

DISCIPLINE:
MECHANICAL

PROJECT TITLE:
COFFMAN APTS

DRAWING TITLE:
SCHEDULE/CALCULATIONS

DRAWN BY:	CHECKED BY:	DATE:
JOB NO	SHT NO	SCALE:
632-002	ME-05	NTS @A3