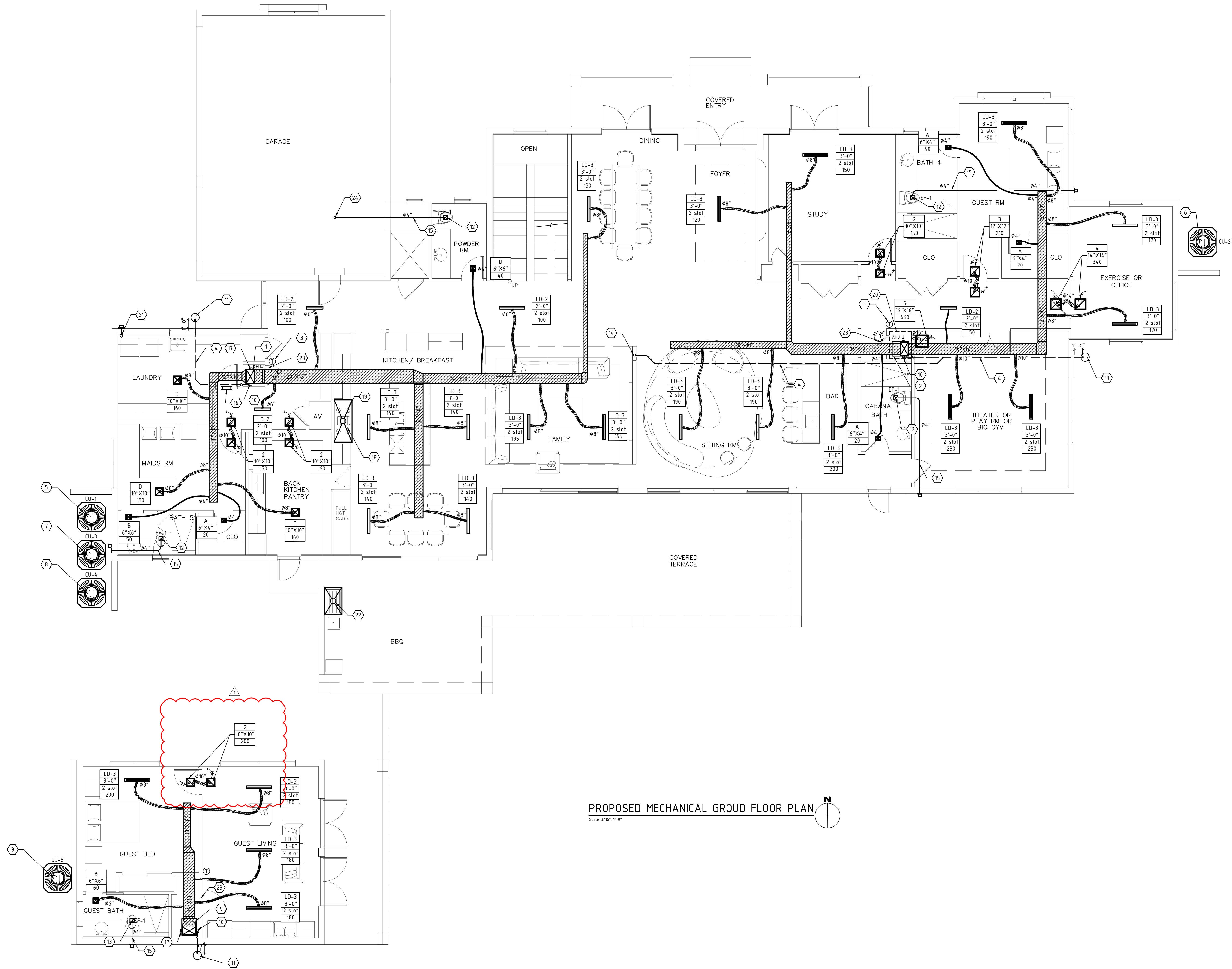




PROPOSED MECHANICAL GROUND FLOOR PLAN
Scale 3/16"=1'-0"

SUPPLY /RETURN AIR DIFFUSER SCHEDULE						
TAG	NECK SIZE	CFM	MANUF.	SERIES	DESCRIPTION	
A	6" X 4"	0 - 50	NAILOR	51C-DA	CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER	
B	6" X 6"	40 - 100	NAILOR	51C-DA		
C	8" X 8"	80 - 160	NAILOR	51C-DA		
D	10" X 10"	111 - 220	NAILOR	51C-DA		
E	12" X 10"	220 - 280	NAILOR	51C-DA		
F	16" X 8"	220 - 325	NAILOR	51C-DA	TRANSFER GRILLE WITHOUT VOLUME DAMPER	
1	6" X 6"	48-72	NAILOR	51ASH		
2	10" X 10"	160-200	NAILOR	51ASH		
3	12" X 12"	240-300	NAILOR	51ASH		
4	14" X 14"	288-392	NAILOR	51ASH		
5	16" X 16"	392-512	NAILOR	51ASH		
6	24" X 24"	968-1152	NAILOR	51ASH		

LINEAR DIFFUSER SCHEDULE							
DESIGNATION	TYPE	CFM	NO OF SLOTS	SLOTS SIZE	ACTIVE LENGTH	INLET SIZE	MFG. MODEL
SUPPLY							
LD-2	FLOW BAR	0-100	2	1"	2'	#6"	TITUS ML-39
LD-3	FLOW BAR	100-250	2	1"	3'	#8"	TITUS ML-39

NOTES:

- ALL SUPPLY DIFFUSERS, GRILLES AND REGISTERS MUST BE PROVIDED WITH A VOLUME BALANCING DAMPER. BALANCING DAMPER SHALL BE OF THE OPPOSED BLADE WHERE APPLICABLE.
- FINISH TO BE SELECTED BY ARCHITECT.
- MATERIAL SHALL BE ALUMINUM, NO EXCEPTIONS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF AIR DISTRIBUTION DEVICES.
- CONTRACTOR MUST VERIFY MOUNTING SYSTEM (FRAME STYLE), WITH ARCHITECT, FOR ALL DIFFUSERS, GRILLES AND REGISTERS BEFORE ORDERING.

SHEET METAL DUCT SCHEDULE

Ø	CFM
4	40
6	40-110
8	111-220
10	221-325

NOTES:

-NO FIRE PLACE, SAUNA NOR CENTRAL VACUUM SYSTEM IN THIS PROJECT.

REFERENCED NOTES:

- AHU-1, 5 TON AIR HANDLER UNIT. SEE M-10 FOR SPECS.
- AHU-2, 5 TON AIR HANDLER UNIT. SEE M-10 FOR SPECS.
- PROGRAMMABLE THERMOSTAT
- #1-1/2 UNDERGROUND CONDENSING LINE
- CU-1, 5 TON CONDENSING UNIT. SEE M-10 FOR SPECS.
- CU-2, 5 TON CONDENSING UNIT. SEE M-10 FOR SPECS.
- CU-3, 4 TON CONDENSING UNIT. SEE M-10 FOR SPECS.
- CU-4, 3 TON CONDENSING UNIT. SEE M-10 FOR SPECS.
- CU-5, 2 TON CONDENSING UNIT. SEE M-10 FOR SPECS.
- CONDENSING HUB
- DRYWELL
- CEILING MOUNTED EXHAUST FAN SET FAN AT 50 CFM

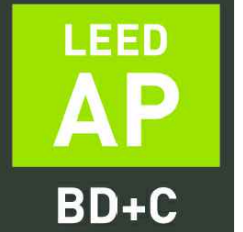
- CEILING MOUNTED EXHAUST FAN. SET FAN AT 80 CFM
- #2" CONDENSING LINE FROM ABOVE
- SHEET METAL DUCT OUT TO EXTERIOR. SEE M-10 FOR TERMINATION DETAIL WITH CORROSION RESISTANT BIRD SCREEN
- 12"X10" DRYER EXHAUST MAKE UP AIR GRILLE
- REFRIGERANT LINES TO SPLIT SYSTEM CONDENSING UNIT
- STAINLESS STEEL KITCHEN EXHAUST HOOD. HOOD SHALL DISCHARGE TO OUTDOORS THROUGH SHEET METAL DUCTS CONSTRUCTED OF GALVANIZED STEEL, STAINLESS STEEL, ALUMINUM OR COPPER. DUCTS SHALL BE AIR TIGHT AND EQUIPPED WITH A BACKDRAFT DAMPER. TO BE CHOSEN BY OWNER. EXHAUST FAN TO EXHAUST LESS THAN 600 CFM. NO MAKE UP AIR REQUIRED. FBC M5034 EXCEPTION (B)
- #10" GALVANIZED STEEL EXHAUST DUCT TO EXTERIOR. DUCT SHALL TERMINATE A MINIMUM OF 3' FEET FROM ANY OPERABLE OPENING, AND 10' FROM ANY INTAKE AIR

- DENOTES BOUNDARY OF R/A PLENUM. PLENUM AREA SHALL BE ENCLOSED AND SEALED WITH DRYWALL LIGHT FIXTURES IN RETURN AIR PLENUM AREA SHALL BE AIR TIGHT FIXTURES. NO PVC ALLOWED IN AIR RETURN PLENUM
- 4" Ø GALVANIZED SHEET METAL EXHAUST DUCT FROM DRYER TO EXTERIOR. PROVIDE WALL CAP AND BACKDRAFT DAMPER. EXHAUST DUCT FOR DOMESTIC DRYER SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF METAL A MIN. OF 28 GAG. NO SCREEN
- #8" 26 G.A. SMOOTH METAL BBQ EXHAUST DUCT TO ROOF CAP WITH B.O.D. DAMPER. PROVIDE CORROSION RESISTANT INSECT SCREEN W/1/4" MIN & 3" MAX OPENINGS. MAINTAIN MIN. 10" CLEARANCE FROM EXHAUST CAP AND ANY OPENINGS TO BLDG.
- LOUVER DOOR
- UP TO ROOF

REVISION BY
02/06/2026 COMMENTS



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AR 0017521
786-355-6910

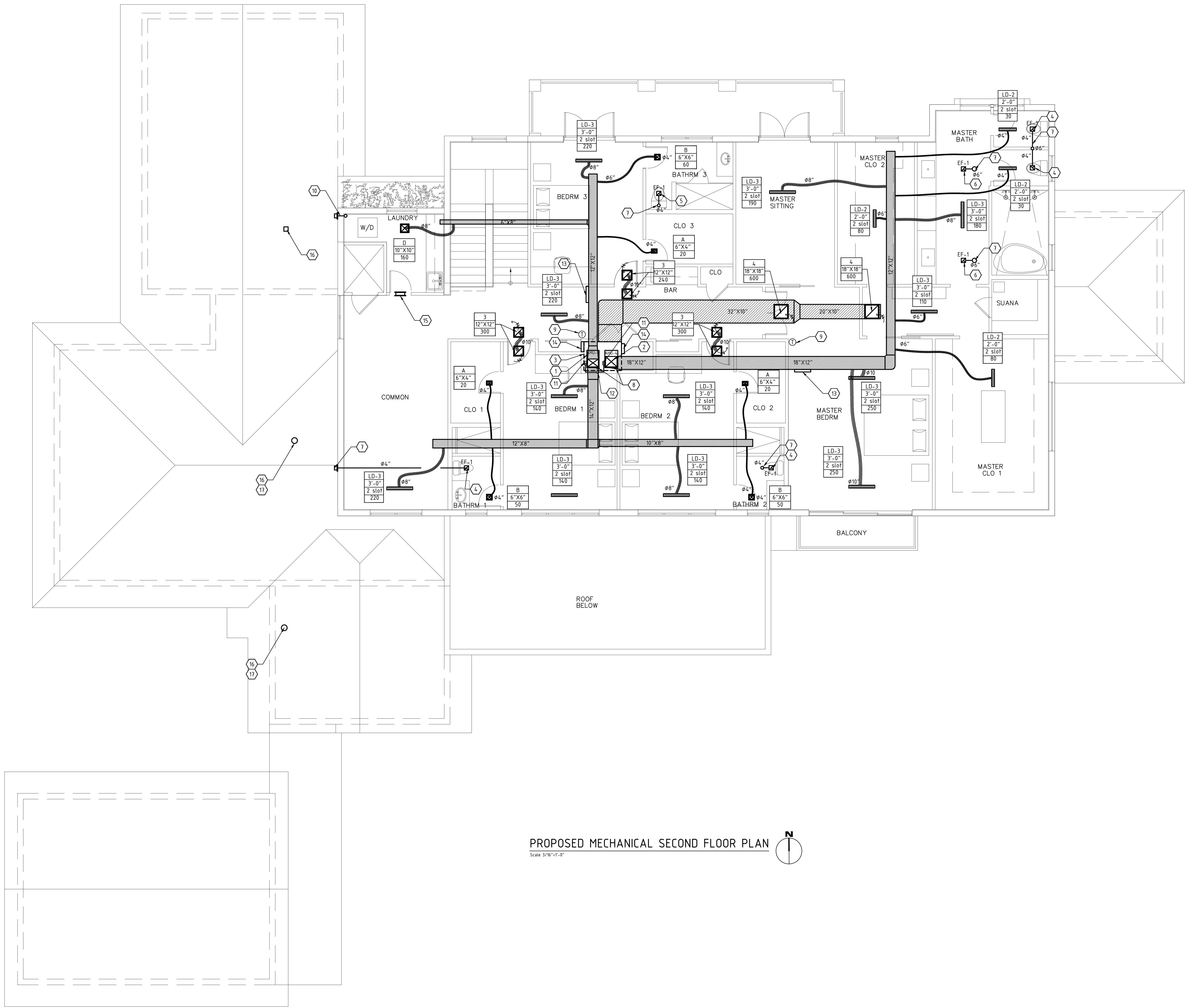


NOTE:
ALL DRAWINGS FOR THIS PROJECT ARE TO BE READ IN CONJUNCTION WITH EACH OTHER. THESE INCLUDE, BUT ARE NOT LIMITED TO: ARCHITECTURAL, SURVEYING, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, SPECIALTY DRAWINGS, & WRITTEN SPECIFICATIONS

THE G.C. IS TO VERIFY ALL EXISTING SITE CONDITIONS AND THOROUGHLY CHECK ELEVATIONS & DIMENSIONS BEFORE COMMENCING WORK. REPORT TO THE ARCHITECT OR ENGINEER ANY DISCREPANCIES, ERRORS OR CONDITIONS THAT WILL ALTER CONSTRUCTION AS INTENDED BY THESE DRAWINGS. ARCHITECT IS NOT RESPONSIBLE FOR ANY WORK AND/OR MATERIALS FURNISHED ON THE JOB.

NEW HOUSE FOR:
RKTA 6300 LLC
6300 SW 98 ST
PINECREST, FL

DRAWN BY:
MER
DATE: 12/15/25
SCALE: AS NOTED
SHEET NO.:
M-2.0



PROPOSED MECHANICAL SECOND FLOOR PLAN

Scale 3/16"=1'-0"

SUPPLY /RETURN AIR DIFFUSER SCHEDULE					
TAG	NECK SIZE	CFM	MANUF.	SERIES	DESCRIPTION
A	6" X 4"	0 - 50	NAILOR	51C-DA	CURVED BLADE CEILING SUPPLY REGISTER WITH VOLUME DAMPER
B	6" X 6"	40 - 100	NAILOR	51C-DA	
C	8" X 8"	80 - 140	NAILOR	51C-DA	
D	10" X 10"	111 - 220	NAILOR	51C-DA	
E	12" X 10"	220 - 280	NAILOR	51C-DA	
F	16" X 8"	220 - 325	NAILOR	51C-DA	TRANSFER GRILLE WITHOUT VOLUME DAMPER
1	6" X 6"	48-72	NAILOR	51ASH	
2	10" X 10"	160-200	NAILOR	51ASH	
3	12" X 12"	240-300	NAILOR	51ASH	
4	14" X 14"	288-392	NAILOR	51ASH	
5	16" X 16"	392-512	NAILOR	51ASH	
6	24" X 24"	968-1152	NAILOR	51ASH	

LINEAR DIFFUSER SCHEDULE								
DESIGNATION	TYPE	CFM	NO OF SLOTS	SLOTS SIZE	ACTIVE LENGTH	INLET SIZE	MFG	MODEL
SUPPLY								
LD-2	FLOW BAR	0-100	2	1"	2'	ø6"	TITUS	ML-39
LD-3	FLOW BAR	100-250	2	1"	3'	ø8"	TITUS	ML-39

NOTES:

- ALL SUPPLY DIFFUSERS, GRILLES AND REGISTERS MUST BE PROVIDED WITH A VOLUME BALANCING DAMPER. BALANCING DAMPER SHALL BE OF THE OPPOSED BLADE WHERE APPLICABLE.
- FINISH TO BE SELECTED BY ARCHITECT.
- MATERIAL SHALL BE ALUMINUM, NO EXCEPTIONS.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF AIR DISTRIBUTION DEVICES.
- CONTRACTOR MUST VERIFY MOUNTING SYSTEM (FRAME STYLE), WITH ARCHITECT, FOR ALL DIFFUSERS, GRILLES AND REGISTERS BEFORE ORDERING.

NOTES:

-NO FIRE PLACE, SAUNA NOR CENTRAL VACUUM SYSTEM IN THIS PROJECT.

SHEET METAL DUCT SCHEDULE	
ø	CFM
4	40
6	40-110
8	111-220
10	221-325

REFERENCED NOTES:

- AHU-3; 4 TON AIR HANDLER UNIT. SEE M-10 FOR SPECS.
- AHU-4; 3 TON AIR HANDLER UNIT. SEE M-10 FOR SPECS.
- DENOTES BOUNDARY OF R/A PLENUM. PLENUM AREA SHALL BE ENCLOSED AND SEALED WITH DRYWALL. LIGHT FIXTURES IN RETURN AIR PLENUM AREA SHALL BE AIR TIGHT FIXTURES. NO PVC ALLOWED IN AIR RETURN PLENUM.
- CEILING MOUNTED EXHAUST FAN. SET FAN AT 50 CFM
- CEILING MOUNTED EXHAUST FAN. SET FAN AT 80 CFM
- CEILING MOUNTED EXHAUST FAN. SET FAN AT 100 CFM
- SHEET METAL DUCT OUT TO EXTERIOR. SEE M-11 FOR TERMINATION DETAIL WITH CORROSION RESISTANT BIRD SCREEN
- REFRIGERANT LINES TO SPLIT SYSTEM CONDENSING UNIT
- PROGRAMMABLE THERMOSTAT
- 4" ø GALVANIZED SHEET METAL EXHAUST DUCT FROM DRYER TO EXTERIOR. PROVIDE WALL CAP AND BACKDRAFT DAMPER. EXHAUST DUCT FOR DOMESTIC DRYER SHALL HAVE A SMOOTH INTERIOR FINISH AND SHALL BE CONSTRUCTED OF METAL. A MIN. OF 28 GAG. NO SCREEN.

- CONDENSING HUB
- 2" CONDENSING LINE DN
- PROVIDE 6"X6" S/A GRILLE IN ENCAPSULATED ATTIC
- PROVIDE 8"X8" R/A GRILLE FROM ENCAPSULATED ATTIC
- 12"X10" DRYER EXHAUST MAKE UP AIR GRILLE
- FROM BELOW AND OUT THROUGH ROOF
- GALVANIZED STEEL EXHAUST DUCT TO EXTERIOR. DUCT SHALL TERMINATE A MINIMUM OF 3 FEET FROM ANY OPERABLE OPENING, AND 10' FROM ANY INTAKE AIR.

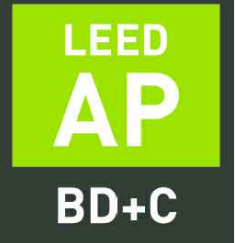
ENCAPSULATED ATTIC NOTE:

PROVIDE (1) 6"X6" S/A GRILLE WHERE SHOWN IN AHU-5 AND AHU-6 S/A TRUNK LINE AND PROVIDE (1) 8"X8" R/A GRILLE IN CEILING WHERE SHOWN

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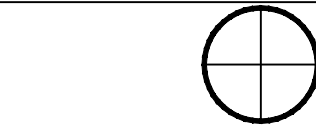


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NEW HOUSE FOR:

RKTA 6300 LLC
6300 SW 98 ST
PINECREST, FL



DRAWN BY:

MER

DATE:

12/15/25

SCALE:

AS NOTED

SHEET NO.:

M-3.0