

MECHANICAL SHEET INDEX	
SHEET #	DESCRIPTION
W-1	MECHANICAL NOTES, LEGEND, INDEX & PLAN
W-2	MECHANICAL PLAN
W-3	MECHANICAL PLAN
W-4	MECHANICAL SCHEDULES & DETAILS

LEGEND	
	NEW S/A CEILING DIFFUSER
	NEW R/A CEILING GRILLE
	EXISTING S/A CEILING DIFFUSER
	EXISTING R/A CEILING GRILLE
	VOLUME CONTROL DAMPER
	REDUCER OR INCREASE
	NEW FLEX DUCT
	NEW DUCTWORK
	BELLMOUTH TAP
	CEILING EXHAUST FAN
	SUPPLY AIR DIFFUSER OR GRILLE DESIGNATION
	RETURN/EXHAUST AIR DIFFUSER OR GRILLE DESIGNATION
	EQUIPMENT TAG
	THERMOSTAT
	SUPPLY AIR
	RETURN AIR
	DOOR UNDER CUT

HVAC ABBREVIATION LEGEND	
AFI	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
CU	CONDENSING UNIT
EAG	EXHAUST AIR GRILLE
EF	EXHAUST FAN
EXH	EXHAUST
E/A	EXHAUST AIR
S/A	SUPPLY AIR
N	NEW
E	EXISTING
GR	GRILLE
R/A	RETURN AIR
RAG	RETURN AIR GRILLE
O/A	OUTSIDE AIR
M/A	MAKE-UP AIR
NMS	WIRE MESH SCREEN
CG	CEILING
BDD	BACK DRAFT DAMPER
RE	RELOCATED

44 VENTILATION OPEN AREA CALCULATIONS	
REFER TO ARCHITECTURAL PLANS FOR OPEN AIR CALCULATIONS COMPLYING WITH FMC SEC.402.	

EXHAUST AIR CALCULATIONS							
SPACE SERVED OR UNIT TAG	SPACE AREA (SQFT.)	SPACE HEIGHT (FT.)	SPACE VOLUME (CUFT.)	VENT. REQ'D. AC/HR OR CFM	TOTAL CFM REQUIRED	TOTAL CFM PROVIDED	EXHAUST FAN
GUEST ROOM/BATHROOM	32	-	-	50 CFM/N/C.	50	50	EF-1
NEW 2ND MASTER POWDER Rm.	32	-	-	50 CFM/N/C.	50	50	EF-1
NEW 2ND MASTER SHOWER Rm.	170	-	-	50 CFM/N/C.	50	50	EF-1
NEW POWDER Rm.	32	-	-	50 CFM/N/C.	50	50	EF-1
NEW MASTER POWDER Rm.	32	-	-	50 CFM/N/C.	50	50	EF-1
NEW MASTER SHOWER Rm.	135	-	-	50 CFM/N/C.	50	50	EF-1
NEW BATH #1 SHOWER Rm.	81	-	-	50 CFM/N/C.	50	50	EF-1
NEW BATH #1 POWDER Rm.	15	-	-	50 CFM/N/C.	50	50	EF-1
NEW BATHROOM #2	75	-	-	50 CFM/N/C.	50	50	EF-1
TOTAL	604.0				450.0	450.0	

NOTES:
1. CALCULATIONS ARE BASED ON LOCAL CODE REQUIREMENTS, FBC-2020 AND ICC.

[illegible]

RENOVATION AND ADDITION
FOR:
CHRISTOPHER AND LISA MONTERO
LOCATED AT:
6445 SW 107 STREET
VILLAGE OF PINELAKE, FLORIDA

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DRAWN
CHECKED
DATE 11/14/22
SCALE
JOB NO.
SHEET M-1
OF **SHEETS**

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