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PROJECT NUMBER:  
**MTF18144**

# DME SPORTS HOUSING COMPLEX

OWNER/DEVELOPER: JMK-PANAGGIO DIRECT MAIL EXPRESS, 241 BELLEUE AVENUE, DAYTONA BEACH, FL 32114 (386) 271-3924  
PROJECT LOCATION: 250 BELLEUE AVENUE, DAYTONA BEACH, FL 32114  
GENERAL CONTRACTOR: BRIAN COLLIER, 375 FENTRESS BOULEVARD, DAYTONA BEACH, FL 32114, PH: (386) 576-7177

## BPF DESIGN INCORPORATED

ARCHITECTURE, DESIGN & DRAWING SERVICES  
# AA 2801108  
BRIAN P. FREDLEY, ASSOC. AIA, PROJECT MANAGER  
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### MECHANICAL FLOOR PLAN- EXHAUST

DATE: 05/29/19  
SCALE: AS SHOWN

**SHT NO. M-2**

ARCHITECT'S / ENGINEER'S SEAL

**GENERAL NOTE: M-2**

- A. COORDINATE LOCATIONS OF ALL THERMOSTATS WITH FURNITURE, PARTITIONS AND ANY OBSTRUCTIONS.
- B. SECTION OF DUCT PENETRATING FIRE WALL SHALL BE CONSTRUCTED OF STEEL NOT LESS THAN 0.0217 in IN THICKNESS PER SECTION 607.5.3 FBCM 8th EDITION.

**BRANCH DUCT SIZE CHART**

CFM	SUPPLY	RETURN
	BRANCH DUCT SIZE(Ø")	BRANCH DUCT SIZE(Ø")
0-100	6	8
101-150	8	10
151-250	8	10
251-380	10	12
381-550	12	14
551-750	14	16
751-950	14	16

INTERIOR HELIX SHALL BE ALUMINUM TYPE FLEXMASTER M-35

**AIR BALANCE CALCULATION**

MARK	EXHAUST (CFM)	SUPPLY (CFM)	BALANCE (CFM)
EF-1	-70 CFM	-	
EF-2	-450 CFM	-	
EF-3	-450 CFM	-	
EF-4	-150 CFM	-	
EF-5	-150 CFM	-	
EF-6	-70 CFM	-	
AHU-1	-	+340 CFM	
AHU-2	-	+340 CFM	
AHU-3	-	+340 CFM	
AHU-4	-	+340 CFM	
<b>TOTAL</b>	<b>-1340 CFM</b>	<b>+1360 CFM</b>	<b>+20 CFM</b>



1 Mechanical Floor Plan - Exhaust  
M-2 1/8" = 1'-0"