



1 MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"



- MECHANICAL FLOOR PLAN NOTES**
- 12" EA CONNECTION DN RHL-1 **BALANCE EA AIRFLOW OF RHL-1 TO 1720 CFM**
 - CO2/4" H2A CONNECTION DN RHL-1 **BALANCE H2A AIRFLOW OF RHL-1 TO 1360 CFM**. RUN 1/4" SA DUCT FROM MAU-1 TO EACH OPENING.
 - 10" EA RISER TO REF-1 ON ROOF.
 - 14x12 MUA-1 SA DROP. INSTALL 16x16 PLENUM UNDER ROOF PER DETAIL 12/MS. INSTALL DSD DN UNIT AND CONNECT TO HOOD FACP. SET AIRFLOW T 1320 CFM.
 - ANALOX AX60+ CO2 MONITOR MOUNTED 48" AFF DN WALL. CONNECT TO MD-1 AND REF-2. MD 120V WITH SPRING RETURN OPEN MOTOR, BELIND DR EQUAL.
 - PAINT ALL EXPOSED DUCTWORK SAME COLOR AS BOTTOM OF ROOF DECK - REFER TO ARCHITECTURAL FINISH SCHEDULE FOR PAINT COLORS.
 - REFRIGERANT LINES SIZED PER MANUFACTURERS RECOMMENDATIONS AND 3/4" CONDUIT FROM RCU-2.3 THRU ROOF PER DETAIL 8/MS TO REC-1.2.3A,B.
 - OFFSET SA AND RA PLENUMS IN CURB TO FIT BETWEEN TRUSSES.
 - 4" COMB AIR INTAKE AND 4" FLUE FROM IVH-1 BELOW - SEE PLUMBING DRAWINGS FOR FLUE AND COMBUSTION AIR MATERIALS, FLUE AND COMBUSTION AIR INSTALLED BY PLUMBER.
 - EXTEND RA PLENUM FULL WIDTH BY 20" DEEP AS SHOWN. LINE PLENUM W/1" SOUND LINER. CUT 30x24 RA OPENING ON TOP OF RA PLENUM AND LINE OPENING W/1/4" HARDWARE CLOTH.
 - FURNISH AND INSTALL INDIVIDUAL T-STATS WITH REMOTE TEMP AND CO2 SENSORS AND DSD RESET PER DETAIL 1/MS RTU-1,2.
 - REFER TO DETAILS FOR HOOD MOUNTING DETAILS - INSTALL ANGLES DN WALL PER THE DETAILS TO MATCH HOOD HANGER LOCATIONS.
 - FIRE EXTINGUISHER AND ANSUL PULL STATION - REFER TO ARCH DWGS FOR MOUNTING HEIGHTS.
 - ALL EXPOSED DUCT SHALL BE FABRIC DUCTSDX.
 - 8x12 EA DUCT TO 12" AFF. **LEAVE EA DUCT END OPEN W/1/4" HARDWARE CLOTH LINES**

AIR BALANCE SCHEDULE	
EXHAUST AIR	
REF-1	550
REF-2	500
KHF-1	1700
TOTAL EXHAUST AIR	2750
MAKE UP AIR	
RTU-1	695
RTU-2	695
MAU-1	1360
TOTAL MAKEUP AIR	2750

REVISIONS
 △ BUILDING DEPT. - 04/28/22
 △ FIRE DEPT. - 04/14/22
 △ HEALTH DEPT. - 05/16/22
 △ BUILDING DEPT. - 07/18/22

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MECHANICAL FLOOR PLAN
 Reviewed by Code Compliance
 08/23/2022
 CSO CONSULTANTS, INC.



DATE: JULY 2022
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