



PLAN NORTH
1 MECHANICAL PLAN
 1/4" = 1'-0"
 0 1' 2' 4'

EXISTING ROOFTOP UNIT SCHEDULE												
MARK	MFGR	MODEL NO.	TONS	CFM	O.A. CFM	ESP	HP	COOLING MBH	ELECTRIC HEATING (KW)	ELECTRICAL	REMARKS	
								TU/SEN	MCA/MOCP	V/PH		
XRTU-1	CARRIER	50HCA07	6	2400	450	-	-	72/57.6	-	17.1/25	460/3	EXISTING 1,2,3

- EXISTING RTU TO REMAIN. CLEAN EVAPORATOR AND CONDENSER COILS, CHECK REFRIGERANT CHARGE, ADD REFRIGERANT, AS REQUIRED, ADJUST AND/OR REPLACE BELTS, AS REQUIRED. REPLACE ALL FILTERS, EXISTING PIPING AND VALVES TO REMAIN. VERIFY VOLTAGE AND PROPER OPERATION IN FIELD. COORDINATE EXACT LOCATION IN FIELD.
- HVAC CONTRACTOR SHALL FIELD VERIFY EXISTING CONTROLS, VALVES, AND CONNECTIONS. PROVIDE ADDITIONAL CONTROLS AND ACCESSORIES, AS REQUIRED TO MEET DESIGN INTENT.
- FIELD VERIFY ALL ELECTRICAL REQUIREMENTS AND VOLTAGES WITH ELECTRICAL CONTRACTOR.

AIR DEVICE SCHEDULE										
PLAN MARK	MANUFACTURER	MODEL	MATL.	NECK SIZE	FRAME TYPE	PANEL SIZE	NOTES			
S1	TITUS	OMNI	ST	SCHED	FLANGED	24"X24"	1,2			
S2	TITUS	OMNI	ST	SCHED	FLANGED	12"X12"	1,2			
S3	TITUS	300RS	ST	SCHED	DUCT MOUNTED	12"X6"	1,2			
S4	TITUS	OMNI	ST	SCHED	LAY-IN	12"X12"	1,2			
R1	TITUS	350RL	ST	SCHED	FLANGED	24"X24"	1,2			
R2	TITUS	350RL	ST	SCHED	WALL MOUNTED	12"X10"	1,2			

- TO BE PAINTED AS NOTED ON ARCH SHEETS.
- BRANCH DUCT SAME DIAMETER AS GRILLE NECK SIZE.

DIFFUSER NECK SIZE SCHEDULE	
NECK SIZE	CFM
6"	0 - 100
8"	110 - 250
10"	260 - 400
12"	410 - 600
14"	610 - 1000
16"	1010 - 1400

FAN SCHEDULE										
MARK	MAKE	MODEL	CFM	MOTOR				WEIGHT	REMARKS	
				IN.W.G.	SONES	DRIVE	RPM			HP
XEF-1	EXISTING	EXISTING	75	-	-	-	-	-	-	1

- EXISTING EXHAUST FAN TO REMAIN. CLEAN TO LIKE NEW CONDITION. VERIFY PROPER OPERATION IN FIELD PRIOR TO BIDDING. IF INSUFFICIENT PROVIDE NEW.

MECHANICAL SYMBOLS LEGEND	
(T)	THERMOSTAT
(S)	TEMPERATURE SENSOR
(SD)	SMOKE DETECTOR
(M)	MOTORIZED DAMPER
-W-	FLEXIBLE DUCT
(V)	VOLUME DAMPER
FD	FIRE DAMPER
(S)	CEILING SUPPLY AIR DIFFUSER
(G)	CEILING RETURN AIR GRILLE
(S)	SIDEWALL AIR DIFFUSER OR GRILLE
(N)	NEW DUCTWORK
(E)	EXISTING DUCTWORK
-G-	CONDENSATE DRAIN
-G-	GAS PIPING
(D)	PIPE TURNING DOWN
(U)	PIPE TURNING UP
(V)	PIPE VALVE
(G)	GATE VALVE
(C)	CONNECTION OF NEW TO EXISTING
(C)	CHECK VALVE
(C)	GAS COCK
(U)	UNION
(G)	PRESSURE GAUGE
(S)	STRAINER
AFF	ABOVE FINISHED FLOOR
(S)	AIR DEVICE # S - SUPPLY
(R)	R - RETURN
(E)	E - EXHAUST
(V)	TURNING VANES

- KEYED NOTES
- EXISTING DUCTWORK IN THIS AREA TO BE REUSED. MECHANICAL CONTRACTOR SHALL VERIFY EXISTING DUCTWORK DIMENSIONS. NOTIFY ENGINEER OF DEFICIENCIES. PATCH AND SEAL ALL UNUSED OPENINGS IN DUCTWORK WITH INSULATED BLANKS.
 - EXISTING ROOF TOP UNIT (XRTU-1) WITH ELECTRIC REHEAT TO REMAIN. CONTRACTOR SHALL PROVIDE MAINTENANCE AND VERIFY PROPER OPERATION IN FIELD.
 - IF NOT EXISTING, FURNISH AND INSTALL RETURN AIR DUCT SMOKE DETECTOR. DUCT DETECTOR SHALL DEACTIVATE UNIT (XRTU-1) UPON DETECTION OF SMOKE. COORDINATE WIRING REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
 - EXISTING EXHAUST FAN (XEF-1) TO REMAIN. CONTRACTOR SHALL CLEAN TO LIKE NEW CONDITION AND VERIFY PROPER OPERATION IN FIELD.
 - PROVIDE NEW 7-DAY PROGRAMMABLE THERMOSTAT AND RELATED WIRING TO CONTROL ROOFTOP UNITS. CONNECT TO REMOTE TEMPERATURE SENSORS. MOUNT 48" A.F.F.
 - WALL MOUNTED REMOTE ZONE TEMPERATURE SENSOR SHALL BE MOUNTED AT 48" AFF, AND WIRED BACK TO RESPECTIVE PROGRAMMABLE THERMOSTAT. COORDINATE PLACEMENT WITH WALL DECOR AND EQUIPMENT. FIELD VERIFY WITH THE OWNER'S REPRESENTATIVE FOR THE FINAL LOCATION PRIOR TO INSTALLATION.
 - EXPOSED ROUND DUCT SHALL BE SPIRAL GALVANIZED SHEET METAL, DOUBLE WALL, SEPERATED WITH 1" THICK INSULATION, INNER WALL SHALL BE PERFORATED.
 - MAXIMUM FIVE (5) FEET OF FLEXIBLE DUCT. ONLY ONE 90° ELBOW ALLOWED IN FLEXIBLE DUCTWORK.

DATE:
 JOB NO:
 DRAWN:
 CHECKED:

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TRUE RELIGION
 SAN FRANCISCO PREMIUM OUTLETS
 2758 LIVERMORE OUTLETS DR
 LIVERMORE, CA 94551



REVISIONS		
TAG	DATE	DESCRIPTION
▲	9/18/23	PERMIT SET
▲		
▲		
▲		
▲		

MECHANICAL PLANS

SHEET NUMBER

M1.0