

DUCTLESS SPLIT SYSTEM (PROCESS LOAD ONLY)																				
SYM	MFR	SYSTEM										INDOOR UNIT (FC)				OUTDOOR UNIT (CU)			ACCESSORIES / REMARKS	
		SYSTEM MODEL	COOLING CAPACITY (BTU)	SEER / EER	ELECTRICAL						MODEL	CFM	CAPACITY (MBH)	QTY	WEIGHT (LBS.)	MODEL	QTY	WEIGHT (LBS.)		
					INDOOR UNIT			OUTDOOR UNIT												VOLTAGE
					QTY.	MCA	MAX. FUSE	QTY.	MCA	MAX. FUSE										
FC-1, & CU-1	DAIKIN	MSY-MUY	22500	19 / (-)	1	1.0	-	1	17.1	20	208V-1ø	MSY-GE24NA	661	22.5	1	40	MUY-GE24NA	1	125	SINGLE POINT CONNECTION. COOLING LOAD ONLY. PROVIDE INTEGRATED CONDENSATE PUMP & T-STAT. REFRIGERANT LINE SIZES PER MANUFACTURERS RECOMMENDATION. SEE PLANS FOR ROUTING.

MECHANICAL LEGEND

SYMBOL	ABBREV.	DESCRIPTION
	SA	SUPPLY AIR DUCT
	RA	RETURN AIR DUCT
	EA	EXHAUST AIR DUCT
	OA	OUTSIDE AIR DUCT
	OBD	OPPOSED BLADE DAMPER
		DUCT - WIDTH x DEPTH
	L	LINED DUCTWORK
	MD	MANUAL DAMPER
		FLEX DUCT
	T-STAT	THERMOSTAT
	VAV	VARIABLE AIR VOLUME BOX
	FC	FLEXIBLE CONNECTION
	f, CFM	CUBIC FEET PER MINUTE
	FOC	POINT OF CONNECTION
	DIA. / PH	DIAMETER / PHASE
	AB.C.	ABOVE CEILING
	EDB	ENTERING AIR DRY BULB TEMP.
	EWB	ENTERING AIR WET BULB TEMP.
	OADB	OUTSIDE AIR DRY BULB TEMP.
	SP	STATIC PRESSURE
	ESP	EXTERNAL STATIC PRESSURE
	CONT	CONTINUATION
	NIMC	NOT IN MECHANICAL CONTRACT
	W/	WITH
	(D), (R)	DROP, RISER
	(N)	NEW
	SAG	SUPPLY AIR GRILLE
	RAG	RETURN AIR GRILLE
	(E)	EXISTING
	-X-X-X-	DEMOLISH

(N) VAV SCHEDULE

SYM	UNIT SERVED	MFR	MODEL	COLD INLET SIZE	HOT INLET SIZE	Δ P'S	TOTAL CFM		MAX HEATING CFM	REMARKS
VAV-A	(E) AC-1	TITUS	FMDV-1	12"ø	10"ø	0.25	1200	150	150	DUAL DUCT W/ ATTENUATOR SECTION. PROVIDE TITUS II PNEUMATIC CONTROLLER.
VAV-B	(E) AC-4	TITUS	FMDV-1	12"ø	10"ø	0.18	1000	500	500	DUAL DUCT W/ ATTENUATOR SECTION. PROVIDE TITUS II PNEUMATIC CONTROLLER.

GRILLE/DIFFUSER SCHEDULE

SYM.	MFR	MODEL	DESCRIPTION
CD-1	KRUEGER	1240	SQUARE CEILING DIFFUSER, 24x24 CLG MODULE, T-BAR, OBD, WHITE FINISH
RG-1	KRUEGER	EGC5	EGG CRATE, 1½"x½"x½" GRID, RETURN 24x24 CLG MODULE, T-BAR, OBD, WHITE FINISH

RETURN GRILLE DETAIL

NO SCALE

MHVDU27A

VARIABLE VOLUME BOX DETAIL

NO SCALE

MHVDU25A

DUAL DUCT VAV CONTROL DIAGRAM

NO SCALE

MECHANICAL FLOOR PLAN

NO SCALE

13128M0

MECHANICAL NOTES

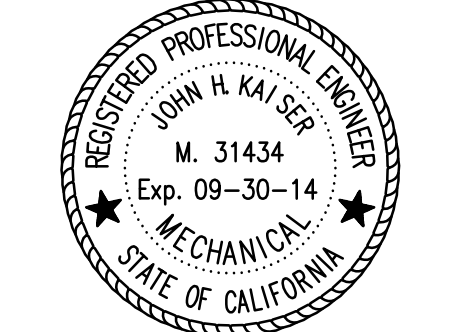
- ALL PIPING SHALL BE INSULATED PER THE SPECIFICATIONS WITH THE MINIMUM LEVEL TO COMPLY WITH SECTION 2-532, CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, NONRESIDENTIAL BUILDING STANDARDS.
- ROUTE NEW DUCTS AS REQUIRED TO MISS EXISTING PIPING, STRUCTURAL MEMBERS, ETC.
- EXISTING CEILING DIFFUSERS AND GRILLES TO BE RE-USED SHALL BE CLEANED AND OR RE-PAINTED. ANY EXISTING DIFFUSERS OR GRILLES CALLED OUT TO BE RELOCATED AND FOUND TO BE DAMAGED BEYOND USE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- ALL DUCT WORK PER SMACNA.
- BALANCE INLETS & OUTLETS TO OBTAIN CFM'S SHOWN.
- ALL WORK SHALL COMPLY WITH 2013 CMC, CBC, CPC & 2010 TITLE 24.
- DRAWINGS SHOWING LOCATION OF EQUIPMENT, PIPING, DUCTWORK, ETC., ARE DIAGNOSTIC AND JOB CONDITIONS WILL NOT ALWAYS PERMIT THEIR INSTALLATION IN THE LOCATION SHOWN. THE MECHANICAL DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING, DUCTWORK, EQUIPMENT, ETC., AND SHALL BE FOLLOWED AS CLOSELY AS EXISTING CONDITIONS AND ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHER TRADES WILL PERMIT. BECAUSE OF THE SMALL SCALE OF THE MECHANICAL DRAWING, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL ARRANGE HIS WORK ACCORDINGLY, PROVIDING SUCH FITTINGS, VALVES, AND ACCESSORIES AS MAY BE REQUIRED TO MEET CONDITIONS. WHEN JOB CONDITIONS DO NOT PERMIT INSTALLATION OF EQUIPMENT PIPING, DUCTWORK, ETC., IN THE LOCATION SHOWN, IT SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO FABRICATION OF MATERIALS.
- DUCT INSULATION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND SMOKE DENSITY NOT TO EXCEED 50.
- LINING MATERIALS WITHIN DUCTS TO HAVE MOLD, HUMIDITY AND EROSION RESISTANT SURFACES THAT MEETS THE REQUIREMENTS OF CMC 605.0.
- NO FACTORY AIR DUCT SHALL BE CLASS 2.
- CALGREEN MANDATORY MEASURE 5.410.2.4: PROVIDE FUNCTIONAL PERFORMANCE TESTING OF MECHANICAL SYSTEMS AS REQUIRED BY MANUFACTURER'S WRITTEN INSTRUCTIONS.
- CALGREEN MANDATORY MEASURE 5.201.1: PROVIDE TITLE-24 DOCUMENTATION TO BUILDING OFFICIALS AS EVIDENCE OF COMPLIANCE WITH ENERGY EFFICIENCY REQUIREMENTS.
- CALGREEN MANDATORY MEASURE 5.410.4.3: BALANCE MECHANICAL SYSTEMS IN ACCORDANCE WITH PROFESSIONAL AIR BALANCE ORGANIZATION STANDARDS AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
- CALGREEN MANDATORY MEASURE 5.410.4.4: PROVIDE A WRITTEN REPORT OF TESTS AND BALANCE RESULTS TO BUILDING OWNER.
- CALGREEN MANDATORY MEASURE 5.410.4.5: PROVIDE OPERATIONS AND MAINTENANCE MANUALS FOR EACH MECHANICAL SYSTEM.
- CALGREEN MANDATORY MEASURE 5.506.1: PROVIDE AIR BALANCE REPORT AS REQUIRED BY 5.401.4.4 AND TITLE-24 DOCUMENTATION TO BUILDING OFFICIALS AS EVIDENCE OF COMPLIANCE WITH OUTSIDE AIR DELIVERY REQUIREMENTS.
- CALGREEN MANDATORY MEASURE 5.506.1: PROVIDE BUILDING OFFICIALS WITH MANUFACTURER LITERATURE ON REFRIGERANT AS EVIDENCE OF COMPLIANCE WITH CFC LIMITATIONS.

REVISIONS	DATE

CONTRACTOR:

CONSULTANT:

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SEIU
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SACRAMENTO
CALIFORNIA

MECHANICAL FLOOR PLAN & NOTES

DATE:	2-13-14
SCALE:	AS NOTED
JOB:	13128
DRAWN BY:	DS
CHECKED BY:	IMH

MO

SHEET