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Consulting Engineers
ISO 9001 CERTIFIED

RANGE HOOD SCHEDULE								
UNIT NO.	LOCATION	TYPE	ARE/FLOW (CFM)	WIDTH	SONES	BACK SPREAD DAMPER	ELECTRICAL MOTOR SERVICE	REMARKS
RR-1	KITCHEN	UNDER CABINET DUCTED	210	30 IN.	7.1	Y	Y	120/180
								COLOR BY ARCHITECT. CW LIGHT, MULTIPLE SPEED FAN WITH REAR OUTLET DUCT CONNECTION. WASHABLE GREASE FILTER.

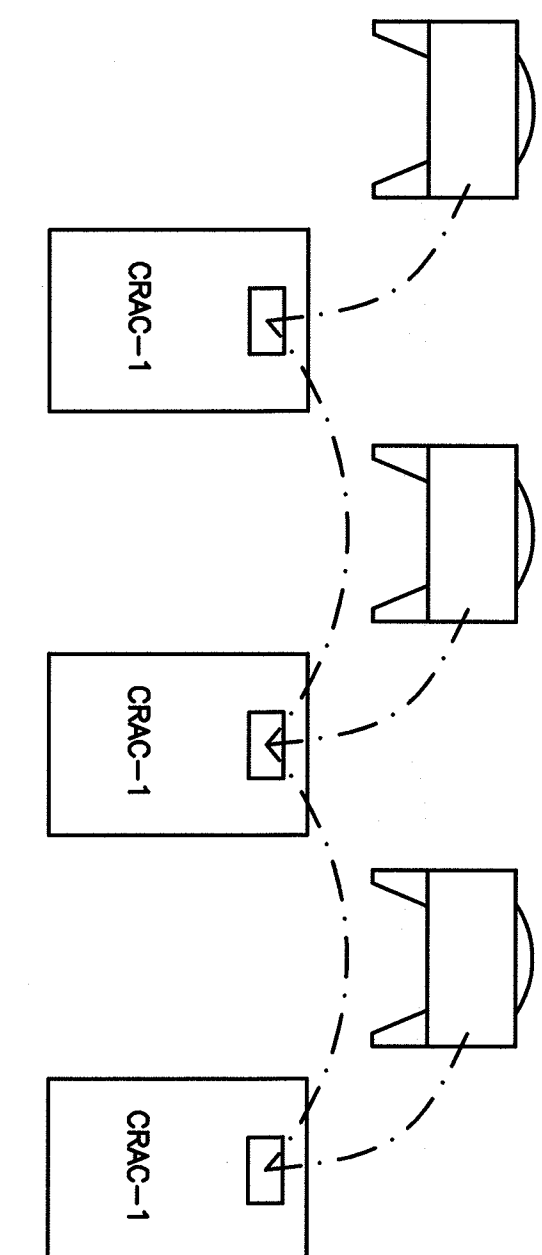
GRILLE, REGISTER, AND DIFFUSER SCHEDULE				
SYMBOL	TYPE	SIZE (MM)	CAPACITY (L/S)	REMARKS
S-1	DOUBLE DEFLECTION	300 X 150	AS SHOWN	ALUMINUM DOUBLE DEFLECTION WITH TWO SETS OF FULLY ADJUSTABLE DEFLECTION BLADES OPERABLE FROM FACE OF GRILLE. 3/4" BLADE SPACING. FRONT BLADES TO RUN PARALLEL TO THE LONG DIMENSION. MOUNTING TO SUIT INSTALLATION. COLOR BY ARCHITECT.
S-2	DOUBLE DEFLECTION	150 X 150	AS SHOWN	ALUMINUM DOUBLE DEFLECTION WITH TWO SETS OF FULLY ADJUSTABLE DEFLECTION BLADES OPERABLE FROM FACE OF GRILLE. 3/4" BLADE SPACING. FRONT BLADES TO RUN PARALLEL TO THE LONG DIMENSION. MOUNTING TO SUIT INSTALLATION. COLOR BY ARCHITECT.
S-3	DOUBLE DEFLECTION	1050 X 150	AS SHOWN	ALUMINUM DOUBLE DEFLECTION WITH TWO SETS OF FULLY ADJUSTABLE DEFLECTION BLADES OPERABLE FROM FACE OF GRILLE. 3/4" BLADE SPACING. FRONT BLADES TO RUN PARALLEL TO THE LONG DIMENSION. MOUNTING TO SUIT INSTALLATION. COLOR BY ARCHITECT.
R-1	LOUVERED RETURN	300 X 150	AS SHOWN	ALUMINUM WITH 45 DEGREE FIXED BLADES. 3/4" BLADE SPACING. MOUNTING TO SUIT INSTALLATION. COLOR BY ARCHITECT.
R-2	LOUVERED RETURN	150 X 150	AS SHOWN	ALUMINUM WITH 45 DEGREE FIXED BLADES. 3/4" BLADE SPACING. MOUNTING TO SUIT INSTALLATION. COLOR BY ARCHITECT.
R-3	LOUVERED RETURN	1050 X 150	AS SHOWN	ALUMINUM WITH 45 DEGREE FIXED BLADES. 3/4" BLADE SPACING. MOUNTING TO SUIT INSTALLATION. COLOR BY ARCHITECT.
D-6	DOOR GRILLE	300 X 200	AS SHOWN	STEEL DOOR GRILLE. 1" INSTALLATION. COLOR BY ARCHITECT. 1/2" HINGE ORDER. MOUNTING TO SUIT INSTALLATION. COLOR BY ARCHITECT.

AIR CONDITIONING SCHEDULE - INDOOR UNITS									
TAG	AREA SERVED	TYPE	MAKE	MODEL	COOLING CAPACITY (Tons)	HEATING CAPACITY (Tons)	MAX. AIRFLOW (ft ³ /min)	POWER SUPPLY (V/PHASE)	ZONE CONTROLLER
AC-1	ELEV. RM.	DUCTED	Mitsubishi	FEU-35A3	35.0	-	500	208-230/60/1	WALL MOUNTED CONTROL (R) OUTSIDE REFRIG. UNIT (R) TEM. SENS. IN SPACE
AC-2	CG-08	WALL MOUNTED	IG	AAH1035S12	7.0	-	-	208-230/60/1	PERFECTFLOW
AC-3	CG-09	WALL MOUNTED	IG	AAH1035S12	9.0	-	-	208-230/60/1	PERFECTFLOW
AC-4	CG-09	WALL MOUNTED	IG	AAH1035S12	9.0	-	-	208-230/60/1	PERFECTFLOW
AC-5	CG-01	WALL MOUNTED	IG	AAH1035S12	9.0	-	-	208-230/60/1	PERFECTFLOW
AC-6	CG-02	WALL MOUNTED	IG	AAH1035S12	9.0	-	-	208-230/60/1	PERFECTFLOW
AC-7	CG-02	WALL MOUNTED	IG	AAH1035S12	9.0	-	-	208-230/60/1	PERFECTFLOW
AC-8	CG-02	WALL MOUNTED	IG	AAH1035S12	9.0	-	-	208-230/60/1	PERFECTFLOW
AC-9	CG-02	WALL MOUNTED	IG	AAH1035S12	9.0	-	-	208-230/60/1	PERFECTFLOW
AC-10	CG-02	WALL MOUNTED	IG	AAH1035S12	9.0	-	-	208-230/60/1	PERFECTFLOW

NOTES:
 1. COMPARE WITH CONDENSATE LIFT PUMPS, AVAILABLE IN LTR for DRINKING. CENTRAL CONTROLLER FOR AC-1 THROUGH AC-8, IG "MC-SMART" WITH DIGITAL OUTPUT R15 AND OPERATING MODES IS REQUIRED.
 2. AIR FLOW RATES ARE SHOWN ON DRAWINGS.

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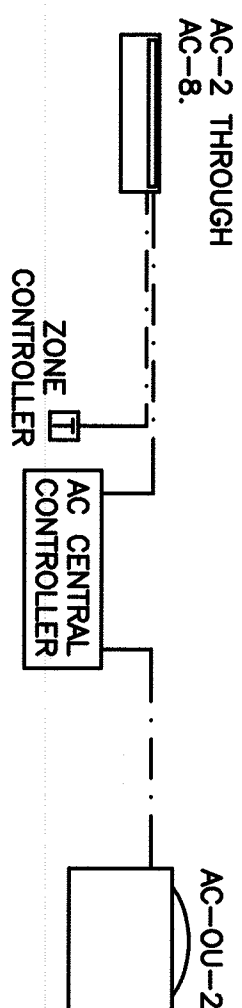
COMPUTER ROOM AC UNIT SCHEDULE											
INDOOR UNITS											
TAG	AREA	TYPE	COOLING CAPACITY (MBH)	AIRFLOW (L/S)	EAT (T)	ELECTRIC HEAT (KW)	HUMIDIFIER (G/Hr)	POWER SUPPLY (V/HZ/PH)	TYPE	COOLING CAPACITY (MBH)	POWER SUPPLY (V/HZ/PH)
00A C-1	CC108	DX, UPFLOW, SCROLL COMPRESSIONS	60.5	1321	75	61	15	INRATED 5.75/60/3	DX MICROCHANNEL AND FPOV COATED COIL	95.0	208-230/60/3
											OUTDOOR UNITS TO COME WITH 36" LEES.
00A C-2	CC108	DX, UPFLOW, SCROLL COMPRESSIONS	60.5	1321	75	61	15	INRATED 5.75/60/3	DX MICROCHANNEL AND FPOV COATED COIL	95.0	208-230/60/3
											OUTDOOR UNITS TO COME WITH 36" LEES.
00A C-3	CC108	DX, UPFLOW, SCROLL COMPRESSIONS	60.5	1321	75	61	15	INRATED 5.75/60/3	DX MICROCHANNEL WITH FLEEM MOTORS AND FPOV COATED COIL	95.0	208-230/60/3
											OUTDOOR UNITS TO COME WITH 36" LEES.



- NOTES:
1. PROVIDE FIELD WIRING AND CONTROLS ACCESSORIES AS REQUIRED.
 2. UNITS TO WORK IN A LEAD/LAG OPERATION TO SATISFY ROOM TEMPERATURE/HUMIDITY SET POINT.
 3. LEAD OPERATION TO SWITCH DUAL TO ONE EVEN WEAR BETWEEN UNITS.
 4. SEE SPECIFICATIONS FOR COMPLETE SEQUENCES.
 5. COORDINATION WITH OWNER FOR SCHEDULES, ALARMS, ETC.

DETAIL – CRAC-1, 2 & 3 CONTROLS

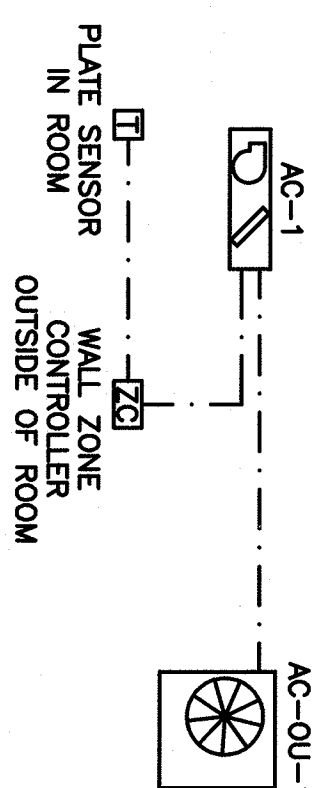
SALE : N.T.S.



1. PROVIDE FIELD WIRING AS REQUIRED.
2. SYSTEM TO BE OPERATED IN COOLING MODE ONLY.
3. ZONE CONTROLLER TO PROVIDE OCCUPANT TEMPERATURE CONTROL WITH IN LIMITS SET BY CENTRAL CONTROLLER.
4. CENTRAL CONTROLLER TO LIMIT ALLOWABLE TEMPERATURE SET POINTS AND TO PROVIDE SCHEDULING CAPABILITIES AS REQUESTED BY OWNERS

DETAIL – AC-OU-2 CONTROLS

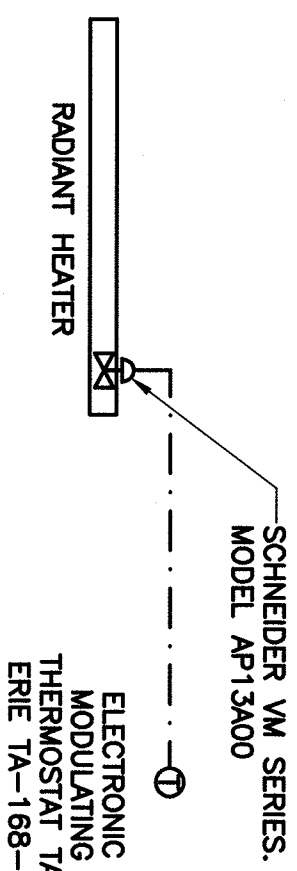
ALE : N.T.S.



- NOTES:
1. PROVIDE FIELD WIRING AS REQUIRED.
 2. SYSTEM TO BE OPERATED IN COOLING MODE ONLY TO SATISFY SPACE TEMPERATURE SET POINT.

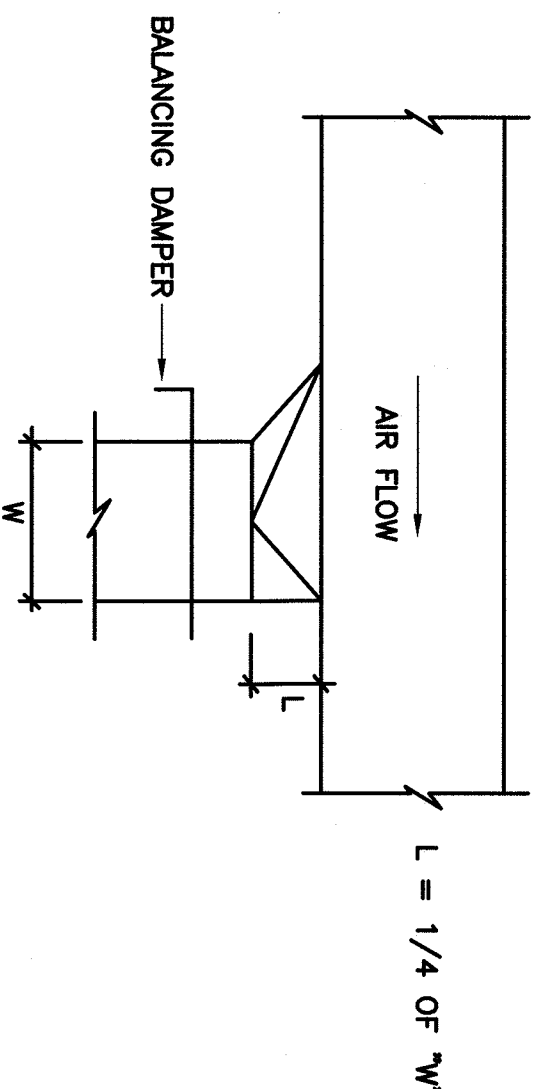
DETAIL – AC-OU-1 CONTROLS

ALE : N.T.S.



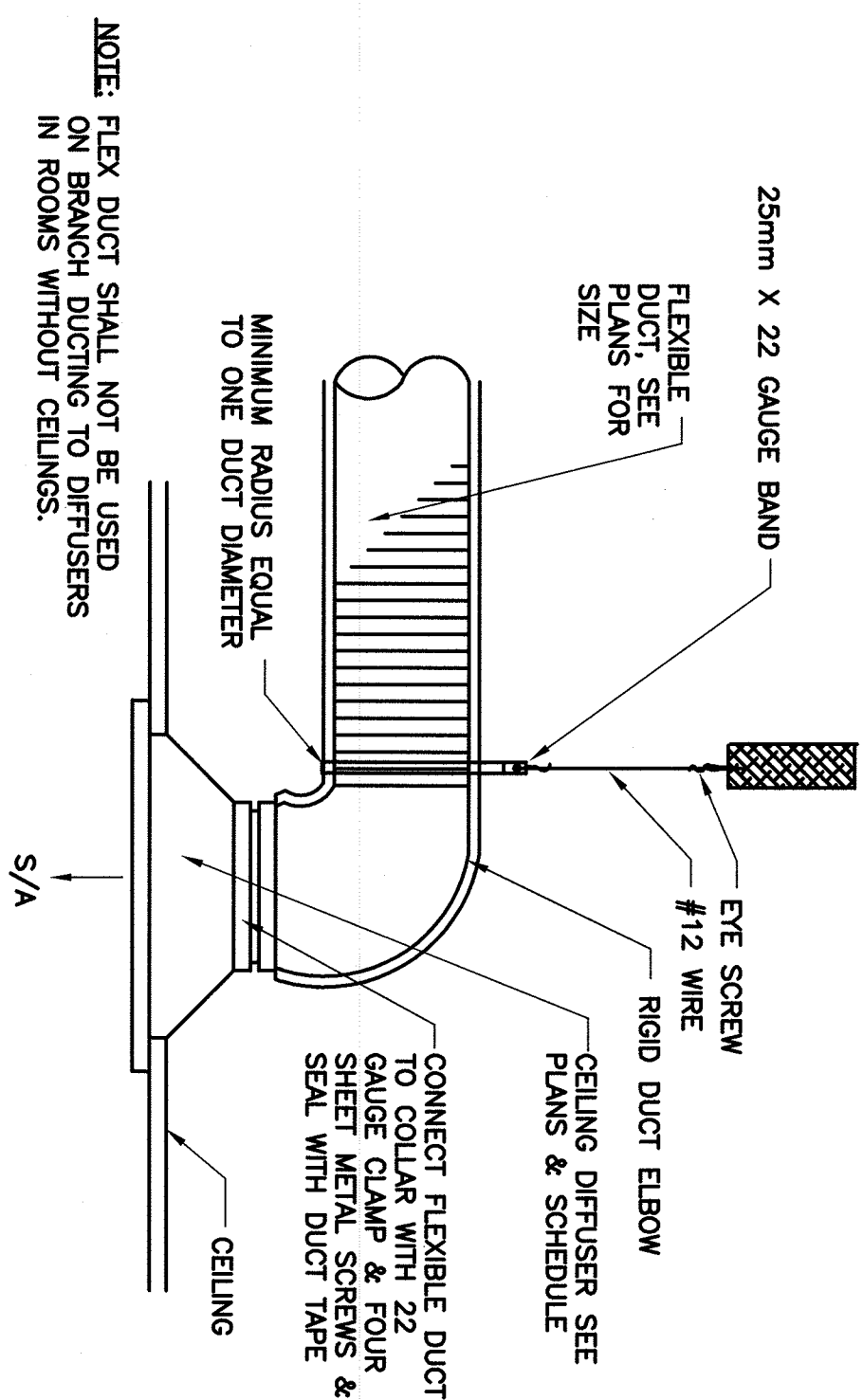
- 7 DETAIL - RADIANT HEATER CONTROLS
— SCALE : N.T.S.

ALL : N.T.S.



- 1 TYP. TAKE-OFF BOOT ON
DETAIL - SUPPLY TO DIFFUSER

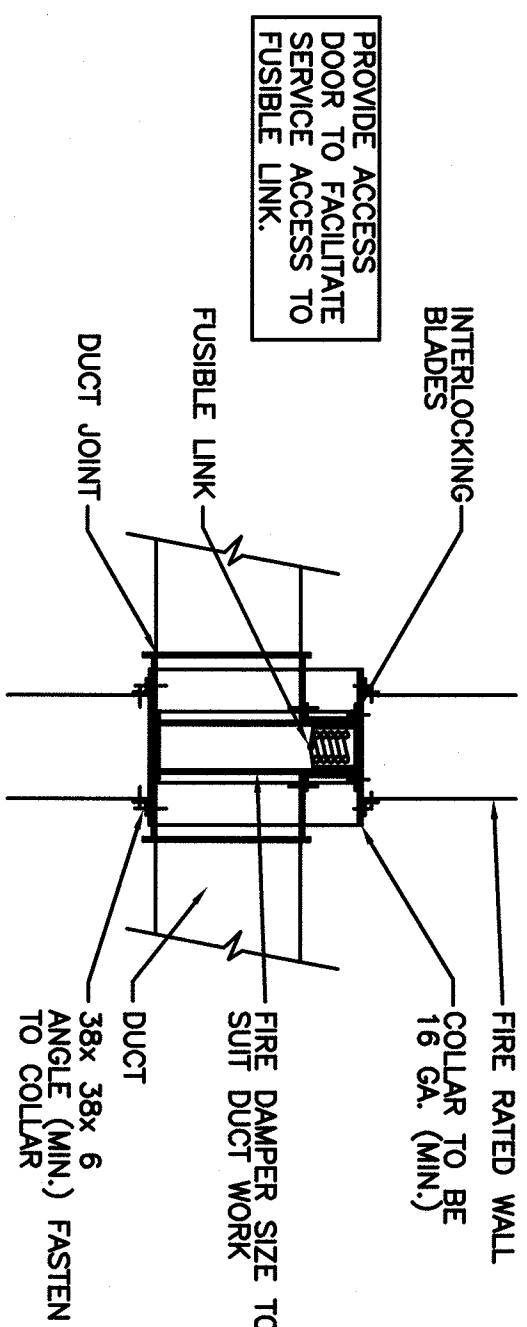
T.S



- NOTE:** FLEX DUCT SHALL NOT BE USED ON BRANCH DUCTING TO DIFFUSERS IN ROOMS WITHOUT CEILINGS.

DETAIL - TYPICAL DIFFUSER

SCALE : N.T.S.



- NOTE: ALL PIPE PENETRATIONS THRU A FIRE RATED BARRIER SHALL CONFORM TO A UIC LISTED ASSEMBLY. ALL DUCT PENETRATIONS THRU A FIRE RATED BARRIER SHALL HAVE A FIRE DAMPER INSTALLED IN ACCORDANCE WITH THE UIC LISTING.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE BARRIERS.

3) DETAIL — FIRE DAMPER INSTALLATION (TYP.)

SCALE : N.T.S.

SIMILAR

7 DETAIL - RADIANT HEATER CONTROLS

ALL : N.T.S.