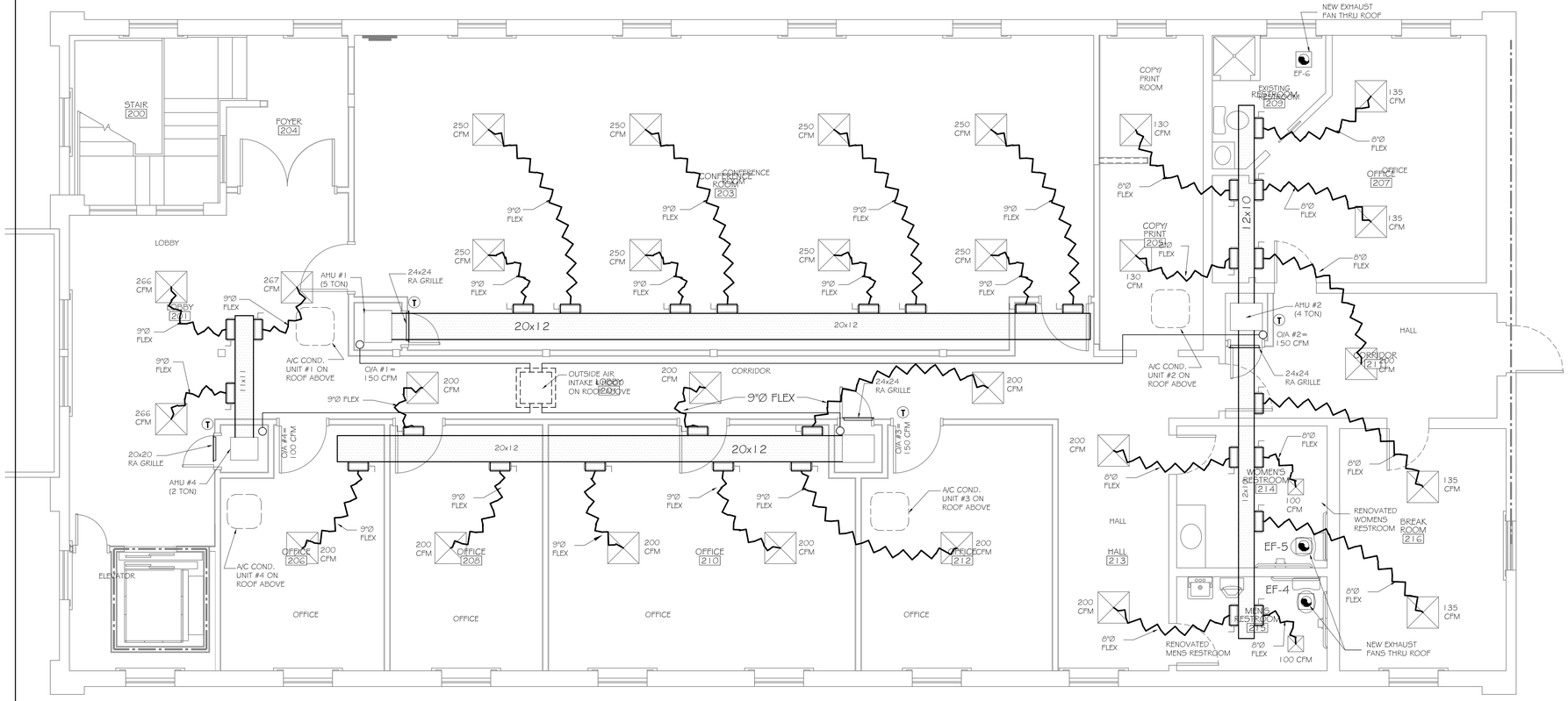


LEGEND

- SUPPLY AIR GRILLE
- RETURN AIR GRILLE BELOW DOOR
- EXHAUST FAN
- THERMOSTAT
- SUPPLY AIR DUCT
- DAMPER
- ROUND FLEX DUCT, MAX. LENGTH 12'-0", MIN. R-6. PROVIDE MAN. DAMPER AT DIFFUSER CONNECTIONS, SIZE AS INDICATED

NOTE: PROVIDE MOTORIZED DAMPER AT AIR SUPPLY FOR ALL AHU'S.

SECOND FLOOR MECHANICAL PLAN

SCALE: 1/4" = 1'-0"

A/C CONDENSING UNIT SCHEDULE

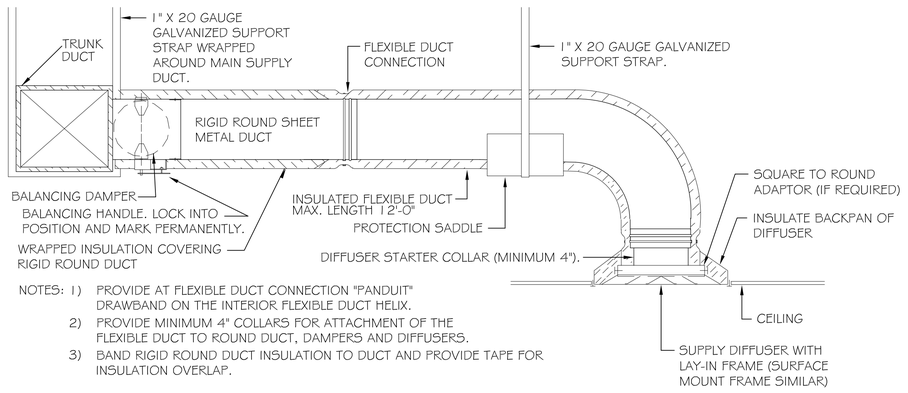
ZONE/ A/C #	TOTAL BTU	ELECTRICAL VOLTAGE	ELECTRICAL MCA	ELECTRICAL CKT BRKRS	COMMENTS
1	60,000 (5 TON) FOR SECOND FLOOR LOCATED ON ROOF (SEE ROOF PLAN)	208V,3Ø	37.4	---	NOTE: ALL A/C TO BE SPLIT-SYSTEM HVAC (YORK OR EQUAL) EXCEPT A/C #5. A/C #5 TO BE LENNOX T-CLASS (10 TON) SPLIT-SYSTEM
2	48,000 (4 TON) FOR SECOND FLOOR LOCATED ON ROOF (SEE ROOF PLAN)	208V,3Ø	28.5	---	
3	48,000 (4 TON) FOR SECOND FLOOR LOCATED ON ROOF (SEE ROOF PLAN)	208V,3Ø	28.5	---	
4	24,000 (2 TON) FOR SECOND FLOOR LOCATED ON ROOF (SEE ROOF PLAN)	208V,3Ø	14.1	---	
5	120,000 (10 TON) FOR FIRST FLOOR LOCATED ON EXTERIOR SLAB	208V,3Ø	55.0	---	

AHU UNIT SCHEDULE

ZONE/ A/C #	TOTAL BTU	CFM	O.A.	HEAT (KW)	ELECTRICAL VOLTAGE	ELECTRICAL MCA	ELECTRICAL CKT BRKRS	COMMENTS
1	60,000 5 TON AHU #1	2,000	150	11.3	208V,3Ø	45.0	---	NOTE: ALL A/C TO BE SPLIT-SYSTEM HVAC (YORK OR EQUAL)
2	48,000 4 TON AHU #2	1,600	150	11.3	208V,3Ø	43.7	---	
3	48,000 4 TON AHU #3	1,600	150	11.3	208V,3Ø	43.7	---	
4	24,000 2 TON AHU #4	800	100	7.5	208V,3Ø	41.2	---	

EXHAUST FAN SCHEDULE

NO.	LOCATION	CFM	VOLTAGE	TYPE	MANF.
EF-1	EXISTING WOMENS RESTROOM-FIRST FLOOR	75	120	VENT	BROAN
EF-2	RENOVATED WOMENS RESTROOM-FIRST FLOOR	75	120	VENT	BROAN
EF-3	NEW MENS RESTROOM-FIRST FLOOR	75	120	VENT	BROAN
EF-4	RENOVATED MENS RESTROOM-SECOND FLOOR	75	120	VENT	BROAN
EF-5	RENOVATED WOMENS RESTROOM-SECOND FLOOR	75	120	VENT	BROAN
EF-6	EXISTING RESTROOM-SECOND FLOOR	75	120	VENT	BROAN

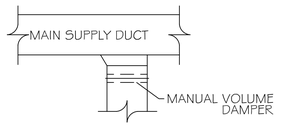


NOTES: 1) PROVIDE AT FLEXIBLE DUCT CONNECTION "PANDUIT" DRAWBAND ON THE INTERIOR FLEXIBLE DUCT HELIX.
2) PROVIDE MINIMUM 4" COLLARS FOR ATTACHMENT OF THE FLEXIBLE DUCT TO ROUND DUCT, DAMPERS AND DIFFUSERS.
3) BAND RIGID ROUND DUCT INSULATION TO DUCT AND PROVIDE TAPE FOR INSULATION OVERLAP.

DIFFUSER CONNECTION DETAIL-FLEX DUCT

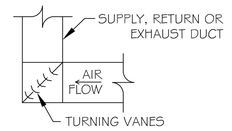
N.T.S.

NOTE: MECHANICAL PLANS ARE DRAWN DIAGRAMATC. DUCT LOCATIONS ARE FOR REFERENCE ONLY. FIELD LOCATE AS NEEDED BETWEEN JOISTS. INSTALL FIRE DAMPER AT ANY LOCATION WHERE DUCT PENETRATES A RATED WALL OR ROOF/DECK. ANY EXHAUST FAN FIXTURE INSTALLED IN A RATED CEILING WILL NEED TO BE RATED FOR THAT CEILING. COORDINATE LOCATIONS OF ALL SUPPLY AIR DIFFUSERS, RETURN AIR GRILLE, EXHAUST FANS, ETC...WITH THE LIGHTING PLAN.



SUPPLY DUCT TAKE-OFF DETAIL

N.T.S.



SQUARE ELBOW DETAIL

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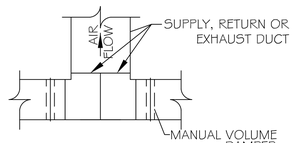

DUCT SPLITTER DETAIL

N.T.S.

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SLIDELL CHAMBER OF COMMERCE
1808 FRONT STREET
SLIDELL, LA

JOB No: 2164 DATE: 10-14-2013
DRAWN BY: JL CHECKED BY: CD

REVISIONS

#	DESCRIPTION	DATE

SECOND FLOOR MECHANICAL PLAN

SHEET No: 13 of 17

M2