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ARCHITECTURE
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STUDIES
PLANNING
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EXPERT WITNESS

LIVING THE WORD INTERNATIONAL

2528 OLD SPANISH TRAIL
SLIDELL, LA 70461

MECHANICAL PLAN

REV: *Robert Wiltse*

SCALE: AS NOTED

JOB#: 2128

DATE: 01-27-12

SHEET 9

M-1

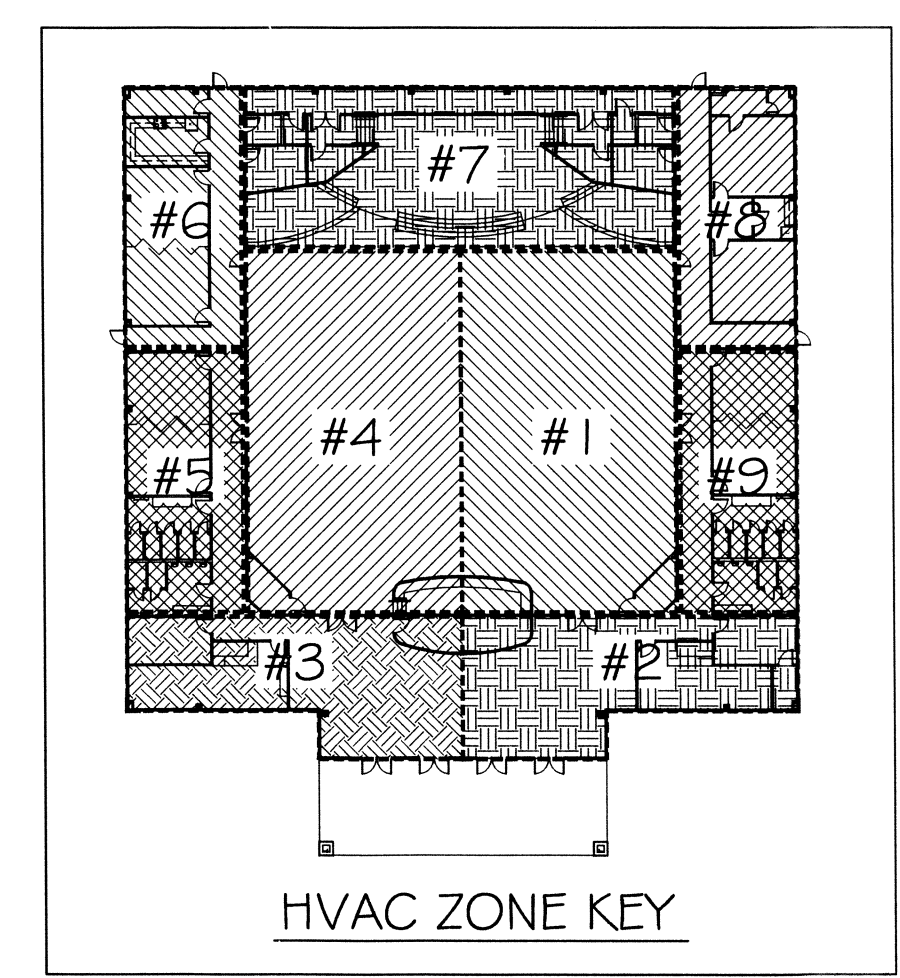
OF 15

A/C UNIT SCHEDULE TOTAL HVAC TONS = 71.5

NO.	TOTAL BTU	CFM	O.A.	HEAT ELEC.	ELECTRICAL			COMMENTS
					VOLTAGE	MCA	CKT BRKR	
1	180,000 15 TON	6,000	1170	23 KW	208V, 3Ø	-	PNL 1	
2	90,000 7.5 TON	3,000	153	18 KW	208V, 3Ø	-		
3	90,000 7.5 TON	3,000	153	18 KW	208V, 3Ø	-		
4	180,000 15 TON	6,000	1170	23 KW	208V, 3Ø	-		
5	60,000 5 TON	2,000	196	15 KW	208V, 3Ø	-		
6	60,000 5 TON	2,000	203	15 KW	208V, 3Ø	-		
7	90,000 7.5 TON	3,000	687	18 KW	208V, 3Ø	-		
8	48,000 4 TON	1,600	91	10 KW	208V, 3Ø	-		
9	60,000 5 TON	2,000	210	15 KW	208V, 3Ø	-		

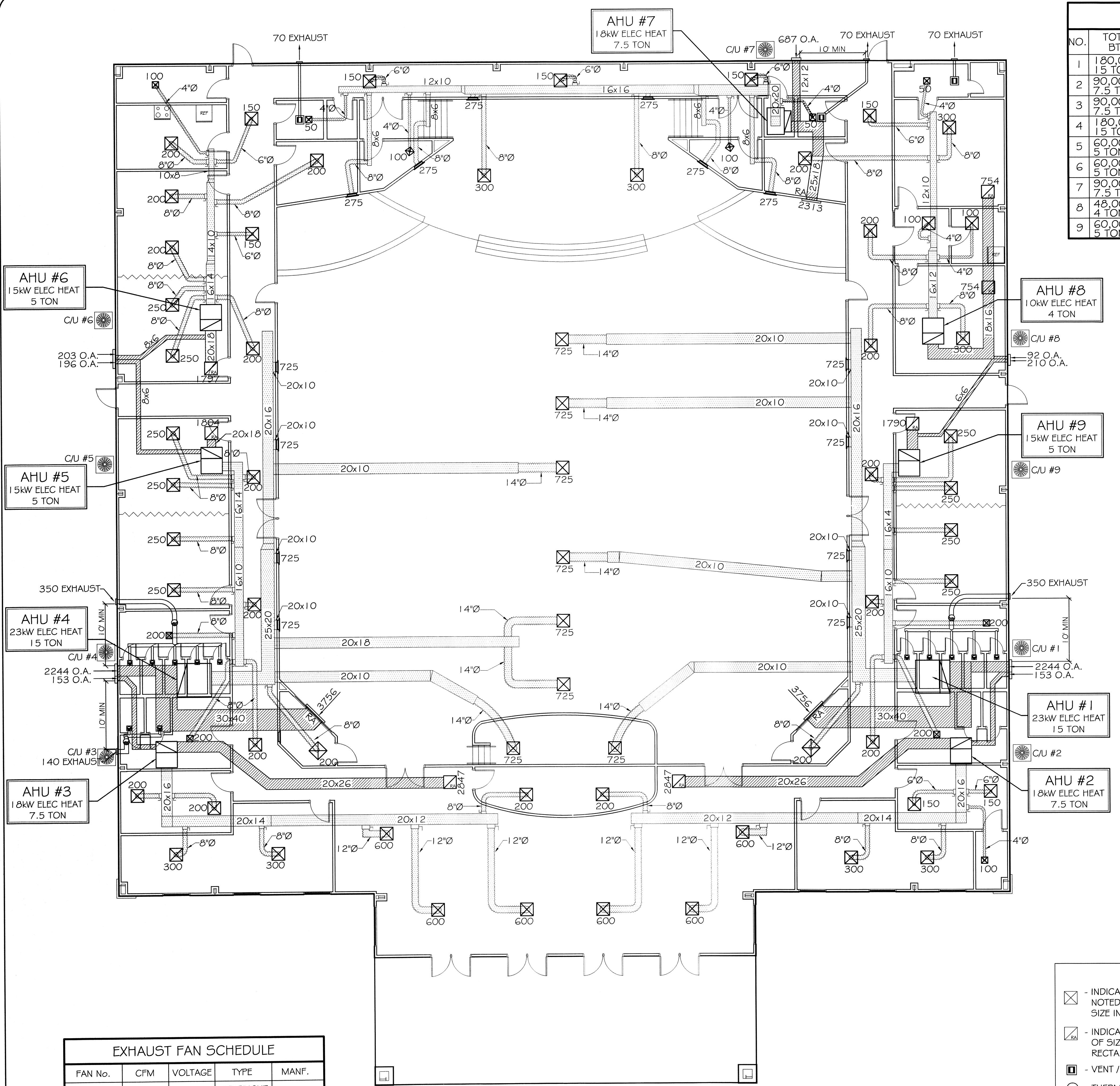
FRESH AIR REQUIREMENTS
PER IMC 2009 TABLE 403.3

ROOM NAME	SF	OCC/1000 SF	CFM/OCC	CFM/SF	TOTAL OA
AHU #1					1170
SANCTUARY	1772	120	5	0.06	1170
AHU #2					153
OFFICES	500	5	5	0.06	43
MAIN ENTRY	1000	10	5	0.06	110
AHU #3					153
OFFICES	500	5	5	0.06	43
MAIN ENTRY	1000	10	5	0.06	110
AHU #4					1170
SANCTUARY	1772	120	5	0.06	1170
AHU #5					196
CONFERENCE RM	510	50	5	0.06	160
CORRIDOR	600	-	-	0.06	36
AHU #6					203
CONFERENCE RM	560	50	5	0.06	174
CORRIDOR	340	-	-	0.06	20
OFFICES	110	5	5	0.06	9
AHU #7					687
STAGE	1000	120	5	0.06	660
CORRIDOR	450	-	-	0.06	27
AHU #8					91
CORRIDOR	340	-	-	0.06	21
OFFICES	825	5	5	0.06	70
AHU #9					210
CONFERENCE RM	520	50	5	0.06	174
CORRIDOR	600	-	-	0.06	36



LEGEND

- ⊠ - INDICATES NEW CEILING DIFFUSER - CFM AS NOTED - 24x24 UNLESS OTHERWISE NOTED. SIZE INDICATES NECK SIZE
- ⊠ - INDICATES NEW RETURN AIR CEILING GRILLE OF SIZE INDICATED. TRANSFER DUCT TO BE RECTANGULAR AS INDICATED.
- ⊠ - VENT / LIGHT COMBINATION
- ⊠ - THERMOSTAT
- - INDICATES NEW SHEET METAL DUCTWORK FOR SUPPLY AIR, SIZES INDICATED ARE SHEET METAL DIMENSIONS
- - INDICATES NEW SHEET METAL DUCTWORK FOR RETURN AIR, SIZES INDICATED ARE SHEET METAL DIMENSIONS
- - ROUND FLEX DUCT, MAX. LENGTH 12'-0". MIN. R-6 PROVIDE MAN. DAMPER AT DIFFUSER CONNECTIONS, SIZE AS INDICATED
- ⊠ - A/C UNIT



EXHAUST FAN SCHEDULE

FAN No.	CFM	VOLTAGE	TYPE	MANF.
EF-1	70	120	VENT/LIGHT	

MECHANICAL PLAN
SCALE: 1/8"=1'-0"

EXHAUST FAN SCHEDULE

FAN No.	CFM	VOLTAGE	TYPE	MANF.
EF-1	70	120	VENT/LIGHT	