



FRESH AIR REQUIREMENTS PER IMC TABLE 403.3

ROOM NAME	SQUARE FEET	O.A.	COMMENTS
ZONE 1:			
WOMEN'S RESTROOM	130	210	70 cfm PER 100
ROUNDED BOOTH	642	154	(1000/1000) x (150/100) + (1150/1000) x (100/100)
MEN'S RESTROOM	180	210	70 cfm PER 100
PRIVATE ROOM	85	56	(65/1000) x (120/100) + (85/1000) x (100/100)
TOTAL	637	633	
ZONE 2:			
SANCTUARY	1040	842	(1040/1000) x (100/7.5) + (110400/1000) x (100/6.25)
TOTAL	1040	842	
ZONE 3:			
SANCTUARY	1040	842	(1040/1000) x (100/7.5) + (110400/1000) x (100/6.25)
TOTAL	1040	842	
ZONE 4:			
SANCTUARY	500	205	(500/1000) x (100/7.5) + (180000/1000) x (100/6.25)
VESTIBULE	350	39	(350/1000) x (100/7.5) + (135000/1000) x (100/6.25)
CHANGING ROOM	90	56	(90/1000) x (100/7.5) + (15000/1000) x (100/6.25)
TOTAL	940	299	
ZONE 5:			
SANCTUARY	500	205	(500/1000) x (100/7.5) + (180000/1000) x (100/6.25)
VESTIBULE	350	39	(350/1000) x (100/7.5) + (135000/1000) x (100/6.25)
CHANGING ROOM	90	56	(90/1000) x (100/7.5) + (15000/1000) x (100/6.25)
TOTAL	940	299	
GRAND TOTAL	2870		

ALL DUCTWORK & HVAC COMPONENTS ARE DRAWN DIAGMATICALLY

DAMMON ENGINEERING, INC.
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NEW CHURCH

FIRST BAPTIST CHURCH
 64541 HWY 3081
 PEARL RIVER, LA 70452

MECHANICAL PLAN

REV: _____
 SCALE: AS NOTED
 JOB#: 2108
 DATE: 4-26-11
 SHEET 10

M-1

OF 14

A/C UNIT SCHEDULE

NO.	TOTAL TON	VOLTAGE	WATER	MANUFACTURER (OR EQUIV)	COMMENTS
1-5	7.5 TON	208V, 3Ø	50A	TRANE-TW6090300A	
6-7	7.5 TON	208V, 3Ø	50A	TRANE-TW6090300A	

AIR HANDLING UNIT SCHEDULE

NO.	SIZE	CFM	O.A.	FEAT. ELEC.	ELECTRICAL	MANUFACTURER (OR EQUIV)	COMMENTS
1	7.5 TON	3000	602	15 KW	200V, 3Ø	45A	TRANE-TW6090300A
2	7.5 TON	3000	642	15 KW	200V, 3Ø	45A	TRANE-TW6090300A
3	7.5 TON	3000	642	15 KW	200V, 3Ø	45A	TRANE-TW6090300A
4	7.5 TON	3000	252	15 KW	200V, 3Ø	45A	TRANE-TW6090300A
5	7.5 TON	3000	252	15 KW	200V, 3Ø	45A	TRANE-TW6090300A

NOTES:

- ALL AHU UNIT SHALL BE EQUIPPED WITH A PRE-HEATER COIL ON OUTSIDE AIR INTAKE DUCT.
- PROVIDE STAINLESS STEEL SAFETY PAN FOR ALL AIR HANDLING UNITS INSTALLED.
- AHU MANUFACTURER SHALL FURNISH A FACTORY INSTALLED PANEL INCLUDING ALL SENSORS, RELAYS, ETC REQUIRED FOR COMPLETE CONTROL OF THE UNIT.
- FOLLOW MANUFACTURER'S REQUIREMENTS FOR MAXIMUM FRESH AIR RATIO.