

LOUVER/DAMPER SCHEDULE

PLAN MARK	MANUFACTURER	MODEL	LOCATION	TYPE	LOUVER SIZE WxH (IN)	MAX CFM	PD (IN WC)	FREE AREA (SQ FT)	FREE AREA (%)	FREE AREA VEL (FPM)	NUMBER OF SECTIONS	VOLTS/PH	WALL OPENING WxH (IN)	BOTTOM OF OPENING AFF	ACCESSORIES
L-1	GREENHECK	EAC-601	HOSE STORAGE #117	INTAKE	46x46	4,400	0.05	7.08	48.20	621	1	120/1	46 1/4"x47 1/4"	12" - 0"	1,2,3,4
L-2	GREENHECK	EAC-601	DRYER AREA #113	INTAKE	28x28	950	0.05	2.03	37.30	468	1	120/1	28 1/4"x28 1/4"	12" - 0"	1,2,3,4
L-3	GREENHECK	ESD-635	BAY	INTAKE	14x14	150	0.05	0.35	25.70	428	1	NA	14 1/4"x14 1/4"	12" - 0"	1,2,4

NOTES:
 1. PROVIDE LOUVER WITH ACTUATORS
 2. EXTERIOR LOUVER COLOR - TO MATCH EXTERIOR WALL

ACCESSORIES:
 1. FACTORY PAINTED (COLOR TO BE SELECTED AND VERIFIED BY ARCHITECT/OWNER)
 2. DRANABLE
 3. COMBINATION LOUVER/DAMPER
 4. BRD SCREEN

ELECTRIC WALL/UNIT HEATERS

TAG	BASIS OF DESIGN		LOCATION	AREA OF SERVICE	HEATING				MAXIMUM BLOWER MOTOR HP/AMP	MOUNTING HEIGHT ABOVE FINISH FLOOR (FT)	UNIT SIZE (L'xW'xH')	COMMENTS
	MAKE	MODEL			MAXIMUM SUPPLY AIR CFM	TOTAL HEATING KW	DELTA TEMP (DEG F)	VOLTAGE & PHASE				
EVH-1	QMARK	AWH408F	WALL MOUNT	STAIR	100	2.0	63.0	208/1	9	1	20'x16'W	1,2,3,4,5,6
EVH-2	QMARK	AWH408F	WALL MOUNT	STAIR	100	2.0	63.0	208/1	9	1	20'x16'W	1,2,3,4,5,6
EUH-3	QMARK	F3FUHC03	WALL MOUNT	MECHANICAL ROOM	400	5.0	100	208/3	14.0	9	18'x14'W	1,3,4,5,6

NOTES:
 1. AUTOMATIC LINEAR OVERHEAT CUTOUT.
 2. 2" DEEP SURFACE MOUNTING FRAME FOR SEMI-RECESSED INSTALLTION.
 3. TAMPER-PROOF INTEGRAL THERMOSTAT TO DISCONNECT ALL UNGROUNDED FACTORS IN "OFF" POSITION.
 4. SET AT 60°F (ADJ.)
 5. HEAVY DUTY STEEL GRILLE.
 6. PROVIDE UNIT WITH POWER ON/OFF SWITCH

FIRE DAMPER SCHEDULE

TAG	RATINGS		MOUNTING	SYSTEM TYPE	SIZE	LOCATION	NOTES
	HOURLY	CLASS					
FD-1	1.5	II	VERTICAL	SUPPLY	16"	MECH 108 - SUPPLY 16"	1,2
FD-2	1.5	II	VERTICAL	SUPPLY	12"	MECH 108 - SUPPLY 12"	1,2
FD-3	1.5	II	VERTICAL	SUPPLY	12"	MECH 108 - SUPPLY 10"	1,2
FD-4	1.5	II	VERTICAL	RETURN	16"	MECH 108 - RETURN 16"	1,2
FD-5	1.5	II	VERTICAL	SUPPLY	16"	MECH/STOR 209 - SUPPLY 16"	1,2
FD-6	1.5	II	VERTICAL	SUPPLY	12"	MECH/STOR 209 - SUPPLY 12"	1,2
FD-7	1.5	II	VERTICAL	SUPPLY	12"	MECH/STOR 209 - SUPPLY 12"	1,2
FD-8	1.5	II	VERTICAL	RETURN	16"	MECH/STOR 209 - RETURN 16"	1,2
FD-9	1.5	II	VERTICAL	EXHAUST	8"	CORRIDOR 106 - EXHAUST 8"	1,2

NOTES:
 1. PROVIDE SLEEVE AND RETAINING ANGLES.
 2. DAMPERS SHALL BE UL555, APPROVED MANUFACTURERS - GREENHECK & RUSKIN

FAN POWERED TERMINAL SCHEDULE

MARK	LOCATION	MANUFACTURER/ MODEL	UNIT SIZE	INLET SIZE	OUTLET SIZE	INLET PRESSURE	MAX COOLING	MIN COOLING	HEAT CAPACITY	DELTA T	COIL		MCA	MOCP	MOTOR HP	SCR CONTROL	UNIT SIZE (L'xW'xH')	NOTES
											KW INPUT	VOLT/PH						
FPT-1	1ST FL, CORRIDOR	TITUS/DTQP	2	10"Ø	14x11	0.5	800	240	80	42	7.50	208/3	27.9	30	0.17	YES	40 9X36 2X17.2	1,2,3,4,5
FPT-2	1ST FL, EXERCISE RM	TITUS/DTQP	2	8"Ø	14x11	0.5	400	120	320	40	4.00	208/3	15.8	20	0.17	YES	40 9X36 2X17.2	1,2,3,4,5
FPT-3	2ND FL, LOUNGE	TITUS/DTQP	2	10"Ø	14x11	0.5	950	240	665	40	8.50	208/3	31.4	35	0.17	YES	40 9X36 2X17.2	1,2,3,4,5
FPT-4	2ND FL, ABOVE ROOM 8	TITUS/DTQP	2	8"Ø	14x11	0.75	500	150	350	40	4.50	208/3	17.5	20	0.17	YES	40 9X36 2X17.2	1,2,3,4,5
FPT-5	2ND FL, ABOVE ROOM 8	TITUS/DTQP	2	8"Ø	14x11	0.75	750	225	525	40	7.00	208/3	26.2	30	0.17	YES	40 9X36 2X17.2	1,2,3,4,5
								3400	1020									

NOTES:
 1. FURNISHED WITH SCR CONTROLLED AND DISCONNECT SWITCH.
 2. FACTORY MOUNTED CONTROLS WITH INLET TEMPERATURE SENSOR.
 3. UNIT SHALL BE LINED WITH 1" FIBER GLASS INSULATION.
 4. AN INTERNALLY LINED ELBOW ON THE PLENUM INLET SHALL BE INSTALLED.
 5. MECHANICAL CONTRACTOR TO PROVIDE "FALL OFF" ACTUATORS AND WIRE THEM TO TITUS FOR FACTORY MOUNTING.

AIR BALANCE - BAY AREA

MARK	UNIT NO.	LOCATION	OUTSIDE AIR CFM		GENERAL EXHAUST CFM	
			MIN	MAX	MIN	MAX
L	1	HOSE STORAGE 117	150	4400		
L	3	BAY	150	150		
EF	1	BAY			300	4400
EF	4	VEHICLE STORAGE 112			150	150
EF	5	UTILITY/COMM. RM 116			150	150
		AIR BALANCE:				
		TOTAL OUTSIDE AIR	300	4550		
		TOTAL EXHAUST AIR			600	4700
		NET NEGATIVE BUILDING PRESSURE			-300	-150

GAS FIRED UNIT HEATER SCHEDULE

PLAN MARK	LOCATION	SERVICE	MANUFACTURER	MODEL NUMBER	CAPACITY INPUT (MBH)	CAPACITY OUTPUT (MBH)	EFFICIENCY	CFM	MOTOR (HP)	VOLTS/PH	WEIGHT (LBS)	NOTES
GUH-1	BAYS	BAYS	MODINE	HD 75AS0111FBAN	75	61.5	82%	1160	1/12	115/1	85	1 THRU 6
GUH-2	BAYS	BAYS	MODINE	HD 75AS0111FBAN	75	61.5	82%	1160	1/12	115/1	85	1 THRU 6
GUH-3	BAYS	BAYS	MODINE	HD 75AS0111FBAN	75	61.5	82%	1160	1/12	115/1	85	1 THRU 6
GUH-4	BAYS	BAYS	MODINE	HD 75AS0111FBAN	75	61.5	82%	1160	1/12	115/1	85	1 THRU 6

NOTES:
 1. SINGLE STAGE, DIRECT SPARK IGNITION AND 100% SHUT-OFF WITH CONTINUOUS RETRY.
 2. PROVIDE UNIT WITH ALUMINIZED STEEL HEAT EXCHANGER/BURNER.
 3. PROVIDE UNIT WITH MOUNTING BRACKET TO ALLOW FOR THREADED ROD SUSPENSION OR BOLTED DIRECTLY TO SUPPORT STRUCTURE.
 4. PROVIDE UNIT WITH REQUIRED VENT PIPING.
 5. MOUNT BOTTOM OF UNIT AT 13 FT AFF AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.
 6. DISCONNECT SWITCH TO BE PROVIDED AND WIRED BY AN ELECTRICAL CONTRACTOR.

AIR BALANCE - LIVING AREA

MARK	UNIT NO.	LOCATIONS SERVED	A/C SYSTEM		KITCHEN HOOD		GENERAL EXHAUST CFM
			RETURN CFM	OUTSIDE AIR CFM	EXHAUST CFM	MAKE-UP CFM	
RTU	1	LIVING AREAS	3	2825			
RTU	2	KITCHEN	12	500			
MAU	1	KITCHEN				800	
KEF	1	KITCHEN			900		
EF	2	1ST FLOOR - TOILET 109					75
EF	3	1ST FLOOR - TOILET 102					100
EF	6	2ND FLOOR - MEN 207					380
EF	7	2ND FLOOR - WOMEN 206					190
		AIR BALANCE:					
		OUTSIDE AIR					1075
		MAKE-UP AIR					800
		TOTAL					1875
		GENERAL EXHAUST					745
		KITCHEN EXHAUST					900
		TOTAL EXHAUST					1645
		TOTAL OUTSIDE AIR					1875
		TOTAL EXHAUST AIR					1645
		NET POSITIVE BUILDING PRESSURE (ALL SYSTEMS RUNNING)					230
		NET NEGATIVE KITCHEN PRESSURE (800 (MAKE-UP) - 900 (EXH)) (ONLY SYSTEMS IN KITCHEN)					-100

GRILLES, REGISTERS & DIFFUSERS

TAG	BASIS OF DESIGN		SERVICE	AIR PATTERN	FACE SIZE	NECK SIZE	BALANCING DAMPER	MAX NC LEVEL	FRAME TYPE	FINISH/COLOR	MATERIAL	NOTES
	MAKE	MODEL										
SD-1	TITUS	TMSA	SUPPLY	4 WAY	12x12	8"x8"	NO	30	LAY-IN	WHITE	STEEL	1,2,3
SD-2	TITUS	TMSA	SUPPLY	4 WAY	24x24	8"x8"	NO	30	LAY-IN	WHITE	STEEL	1,2,3
SD-3	TITUS	TMSA	SUPPLY	4 WAY	24x24	8"x8"	NO	30	LAY-IN	WHITE	STEEL	1,2,3
SG-1	TITUS	300RS	SUPPLY	NA	10"x8"	8"x8"	NO	30	SURFACE	WHITE	STEEL	3
SG-2	TITUS	300RS	SUPPLY	NA	12"x8"	10"x8"	NO	30	SURFACE	WHITE	STEEL	3
SG-3	TITUS	300RS	SUPPLY	NA	10"x8"	8"x8"	NO	30	DUCT MOUNTED	WHITE	STEEL	4
SG-4	TITUS	300RS	SUPPLY	NA	12"x8"	10"x8"	NO	30	DUCT MOUNTED	WHITE	STEEL	4
SG-5	TITUS	300RS	SUPPLY	NA	20"x8"	18"x8"	NO	30	DUCT MOUNTED	WHITE	STEEL	4
RR-1	TITUS	PAR	RETURN	4 WAY	24x24	12"x12"	NO	30	LAY-IN	WHITE	STEEL	1,2,3
RG-1	TITUS	350RL	RETURN	NA	14"x12"	12"x10"	NO	30	SURFACE	WHITE	STEEL	3
ER-1	TITUS	350FL	EXHAUST	4 WAY	12"x12"	8"x8"	NO	30	SURFACE	WHITE	ALUMINUM	1,2,3
ER-2	TITUS	350FL	EXHAUST	4 WAY	12"x12"	8"x8"	NO	30	SURFACE	WHITE	ALUMINUM	1,2,3

NOTES:
 1. NECK DIA = DIA OF RUNOUT
 2. 4-WAY BLOW, EXCEPT WHEN LESS THAN 4 FT FROM WALL 3-WAY BLOW; WHEN IN CORNER 2 OR 1-WAY BLOW.
 3. PROVIDE BORDER FOR LAY-IN OR HAR SURFACE/GYPSPUM CEILING/WALL AS REQUIRED.
 4. 3/4" BLADE SPACING

Rev	Date	Description

**CLAYTON COUNTY
 NEW FIRE STATION #9**
 4176 OLD DIXIE
 HIGHWAY
 ATLANTA, GEORGIA
 30354

**CLAYTON COUNTY
 FIRE DEPARTMENT**



SLKING
 & Associates, Inc.
 ENGINEERS • PLANNERS • MANAGERS

270 Peachtree Street, N.W.
 Suite 1600
 Atlanta, GA 30303
 (M) 404.524.5800
 (F) 404.584.1799
 www.slking.com



BOYE ARCHITECTURE

ARCHITECTURE
 INTERIOR DESIGN
 LAND PLANNING

160 CLAREMONT AVE., STE 120
 DECATUR, GEORGIA
 TEL: 470.355.8514

WWW.BOYERARCHITECTURE.COM



RELEASED FOR CONSTRUCTION
 100% CD

DATE: 07/26/2018
 PROJECT NO.: 2017017
 DRAWN BY: JS
 CHECKED BY: AG

**MECHANICAL -
 SCHEDULES**

M601