

Order Plans

FAN												
MARK	CFM	TYPE	SONES	S.P. IN. WG	MAX. RPM	MAX. MOTOR HP/WATT	DRIVE	ELECT. CHAR. V/Ø/Hz	SERVING AREA	INTERLOCK	DESIGN BASIS	REMARKS
KHEF-1	5800	SIDEWALL EXH	17.2	1.0	1725	2 HP	BELT	208/3/60	KITCHEN HOOD, KH-1	KITCHEN HOOD, KH-1	GREENHECK CWB-240	①②③⑧
KHEF-2	3800	SIDEWALL EXH	17.9	1.0	1725	1-1/2 HP	BELT	208/3/60	KITCHEN HOOD, KH-2	KITCHEN HOOD, KH-2	GREENHECK CWB-180	①②③⑧
DEF-1	325	SIDEWALL EXH	7.5	0.375	1725	1/8 HP	DIRECT	115/1/60	DISHWASHER HOOD	DISHWASHER	GREENHECK CW-080-VG	①③⑧
KMUF-1	5510	PROPELLER	22	0.375	1750	1-1/2 HP	DIRECT	115/1/60	KITCHEN HOOD, KH-1	KITCHEN HOOD, KH-1	GREENHECK SS1-20	③④⑧
KMUF-2	3610	PROPELLER	14.9	0.375	1750	3/4	DIRECT	115/1/60	KITCHEN HOOD, KH-2	KITCHEN HOOD, KH-2	GREENHECK SS1-18	③④⑧
TEF-1&2	490	INLINE CABINET	8.4	0.825	1725	1/4	BELT	115/1/60	RESTROOM	-	GREENHECK BCF-106-4	③⑥⑦⑧
TEF-3	350	CEIL. CABINET	7.5	0.5	1550	1/20	DIRECT	115/1/60	RESTROOM	-	GREENHECK G-085	③⑤⑧

REMARKS:

- SIDEWALL MOUNTED EXHAUST AIR FAN WITH SIDEWALL AIRFLOW DISCHARGE CONFIGURATION. PROVIDE DISCONNECT SWITCH BY FAN MANUFACTURER.
- FAN SHALL BE UL 782 LISTED FOR POWER VENTILATORS FOR RESTAURANT EXHAUST. PROVIDE CLEAN-OUT PORT AND NON-STICK COATED WHEEL BY FAN MANUFACTURER.
- COORDINATE WITH ELECTRICAL CONTRACTOR FOR ELECTRICAL CHARACTERISTICS AND INTERLOCKING BY ELECT. CONTRACTOR.
- SIDEWALL PROPELLER FAN WITH MOTORIZED DAMPER & ACTUATOR, LONG WALL HOUSING, AND WEATHERHOOD WITH BROSSCREEN PROVIDED BY FAN MANUFACTURER.
- PROVIDE DISCONNECT SWITCH, MOTORIZED DAMPER, AND ROOF CURB BY UNIT MANUFACTURER.
- UNIT SHALL BE PROVIDED WITH MOTORIZED DAMPER AND ACTUATOR.
- UNIT SHALL BE SUSPENDED FROM ROOF STRUCTURE W/SUPPORT BRACKETS AND VIBRATION ISOLATORS.
- DESIGN MODEL IS BASED ON GREENHECK. OTHER EQUIVALENT MANUFACTURER: LOREN COOK OR EQUAL.

DIFFUSER, GRILLE & REGISTER						
MARK	USE	INLET SIZE IN.	FACE SIZE IN. X IN.	AIRFLOW RANGE CFM	DESIGN BASIS	REMARKS
F1	SUPPLY	10" #	-	160-385	TITUS T8D1-8D	①⑤⑧⑨
S1	SUPPLY	6" #	24X24	80-160	TITUS TMSA-AA	②⑤⑧⑧⑨
S2	SUPPLY	8" #	24X24	140-280	TITUS TMSA-AA	②⑤⑧⑧⑨
S3	SUPPLY	10" #	24X24	280-380	TITUS TMSA-AA	②⑤⑧⑧⑨
S4	SUPPLY	12" #	24X24	320-550	TITUS TMSA-AA	②⑤⑧⑧⑨
G1	SUPPLY	6X6	8X8	60-135	TITUS 300FS	③⑤⑦⑧
G2	SUPPLY	10X6	12X8	100-200	TITUS 300FS	③⑤⑦⑧
G3	SUPPLY	12X10	14X12	215-430	TITUS 300FS	③⑤⑦⑧
R1	RETURN	22X22	24X24	675-1350	TITUS 45F	④⑦⑧⑨
R2	RETURN	18X16	20X18	185-1100	TITUS	④⑦⑧⑨
R3	RETURN	48X22	48X24	670-5760	TITUS 350F	④⑦⑧⑨
R4	RETURN	48X30	50X32	960-5760	TITUS 350FL	④⑦⑧⑨
E1	EXHAUST	6X6	8X8	60-135	TITUS	④⑦⑧⑨
E2	EXHAUST	10X6	12X8	105-24	TITUS	④⑦⑧⑨

REMARKS:

- FOUR FEET LONG LINEAR PLATE SLOT ADJUSTABLE REGISTER WITH 4 DISCHARGE SLOTS OF 1-1/2 INCH SLOT WIDTH EACH.
- ALUMINUM SQUARE LOWER FACE HANGING DIFFUSER WITH ADJUSTABLE DISCHARGE.
- ALUMINUM 3/4 INCH SPACING WITH 35 DEGREE DEFLECTION ADJUSTABLE BLADE SUPPLY AIR REGISTER. FRONT BLADE SHALL BE PARALLEL TO SHORT DIMENSION.
- SQUARE ROOF ALUMINUM EGGRATE RETURN AIR GRILLE WITH 45 DEGREE DEFLECTION 1/2x1/2x1/2 GRID.
- OPPOSED BLADE DAMPER.
- ROOF HOOK CONNECTION.
- RECTANGULAR NECK CONNECTION.
- COORDINATE WITH ARCH FOR DIFFUSER COLOR.
- PROVIDE 1/2" X 1/2" SLING GRID MOUNTING.
- ALUMINUM 3/4 INCH SPACING WITH 35 DEGREE DEFLECTION BLADE RETURN AIR GRILLE. BLADE SHALL BE PARALLEL TO SHORT DIMENSION.
- DESIGN BASIS IS BASED ON GREENHECK. OTHER EQUIVALENT MANUFACTURER: GAYLORD OR EQUAL.

GAS CONSUMPTION CAPACITY			
EQUIPMENT TYPE	QUANTITY	CONN.	BTUH IN/OUT
WATER HEATER	1	3/4"	120,000
FURNANCE, AC-B-6&7	2	1/2"	160,000
RYERS	2	1/2"	180,000
RANGES	2	3/4"	800,000
TAND. OVEN	2	3/4"	300,000
GRILL	1	1/2"	80,000
FURNANCE, AC-1&2	2	1/2"	160,000
FURNANCE, AC-2&3	2	1/2"	220,000
WATER HEATER, WH-2	1	3/4"	150,000
RTU-2-1 THRU 5	5	3/4"	750,000
RTU-2-6	1	1/2"	120,000
TOTAL			3119,000

4" PIPING MAIN
GAS PIPING BASED ON A DEVELOPED LENGTH OF 300'
GAS PRESSURE IS AT 8" WATER COLUMN
GAS PIPE TO BE SCHEDULE 40 METALLIC PIPE

ELECTRIC HEATER							
MARK	AREA SERVED	CFM	KW	ELECT. CHAR. V/Ø/Hz	AMP	DESIGN BASIS	NOTES
EWH-1	FIRE SPRINKER	100	1	208/1	8.3	MARKEL 3000	①②③④

REMARKS:

- HORIZONTAL WALL MOUNTED FAN DISCHARGE TYPE ELECTRIC HEATER.
- PROVIDED WITH INTEGRATED THERMOSTAT.
- MOUNT HEATER PER MANUFACTURER'S RECOMMENDATION.
- COORDINATE WITH ELECTRICAL CONTRACTOR FOR ELECTRICAL CHARACTERISTICS.

KITCHEN HOOD							
MARK	HOOD			EXHAUST		DESIGN BASIS	REMARKS
	LENGTH INCH.	WIDTH INCH.	CFM	OPNG. DIM.	NO OF OPNG.		
KH-1	188	42	5800	18X10	2	GREENHECK GHEW	①③④⑤⑥
KH-2	180	42	3800	18X10	2	GREENHECK GHEW	①③④⑤⑥
DH-1	36	36	325	10"	1	GREENHECK GD1	②③⑥

REMARKS:

- KITCHEN HOOD SHALL BE UL 710 LISTED, TYPE 1, BAFFLE FILTER SINGLE WALL EXHAUST ONLY WALL CANOPY WITH SUPPLY AIR PLENUM.
- DISHWASHER HOOD SHALL BE TYPE 2, HEAT AND CONDENSATE HOOD TYPE.
- COORDINATE WITH ELECTRICAL CONTRACTOR FOR ELECTRICAL CHARACTERISTICS AND INTERLOCKING BY ELECT. CONTRACTOR.
- PROVIDE HEAT SENSOR TO ACTIVATE BOTH EXHAUST FAN, MAKE-UP AIR FAN AND ASSOCIATED MOTORIZED DAMPER WHEN HEAT DETECTED.
- PROVIDE UTILITY CABINET FOR FIRE SUPPRESSION SYSTEM.
- DESIGN BASIS IS BASED ON GREENHECK. OTHER EQUIVALENT MANUFACTURER: GAYLORD OR EQUAL.

DESIGN BUILD
BLACKWATER CONSTRUCTION GROUP, LLC
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NOTES:

REVISION #	DATE	REMARKS

ISSUE DATE	ISSUED TO:	ISSUED FOR:
10-22-2014	COUNTY	PERMITS

PROJECT ADDRESS:
MASJID AL-MOMINEEN
837 NORTH INDIAN CREEK DRIVE
CLARKSTON, DEKALB COUNTY
GEORGIA, 30021

LAYOUT:
MECHANICAL SCHEDULES

PAPER SIZE: 24X36 (ARCH D)
SCALE: AS NOTED

SHEET NUMBER:
M003

