HVAC NOTES:

1. ALL WORK SIMIL BE PERFORMED PER THE LATEST EDITIONS OF NFPA 90A & 91, THE INITIONAL ELECTRICAL CODE, THE INTERNATIONAL MECHANICAL CODE AND ALL APPLICABLE STATE & LOCAL CODES & LATEST STATE AMENDMENTS. ALL PERMITS & FEES SIMIL BE PAID BY THE HAVIC CONTRACTOR.

2. PLANS ARE DIAGRAMMATIC & SHOW THE GENERAL LOCATION OF THE EQUIPMENT & DUCTWORK, REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS & DETAILS REGARDING BUILDING CONSTRUCTION, DRAWINGS ARE NOT TO BE SOLUED & ALL DIMENSIONS & LOCATIONS SHALL BE VERRIED AT THE BUILDING SITE BEFORE FARRICATION & EQUIPMENT UPTO FUNCTION FOR THE PROPERTY HAY PRINGE FOUND WITH THESE PLANS TO NOTIFY ACCHITECT IMMEDIATELY PROPE TO BUT FOR MOUNTING HEROFACTION, COORDINATE EAVER LOCATION OF HAVE COUPMENT WITH GENERAL CONTROL OF SOLUTION & ACCHITECT. LOSELY COORDINATE ALL WORK WITH OTHER TRADES, RELEVE LIGHTS, OF HIGH CELLULAR WORK OF THE CONTROL OF SINGLE LIST SOLUTION & ECONOMINITIES HEROES AND LOTTED FOR THE CONTROL OF SINGLE LIST SOLUTION & ECONOMINITIES HEROES AND LOTTED FOR THE COLUMN WITH CONTROL OF SINGLE LIST SOLUTION & FOR THE COLUMN WITH CONTROL OF SINGLE LIST SOLUTION & FOR THE COLUMN WITH CONTROL OF SINGLE LIST SOLUTION & FOR THE COLUMN WITH CONTROL OF SINGLE LIST SOLUTION & FOR THE COLUMN WITH CONTROL OF SINGLE LIST SOLUTION WITH CONTROL OF SINGLE L OFFSETS, DUCT ELEVATION CHANGES & DUCT REPOUTING AS NEEDED TO AVOID CONFLICTS & INTERFERENCES, GENERAL CONTRACTOR TO PROVIDE FRAMED OPENINGS REQUIRED FOR DUCT/GRILLE/DIFFUSER/EQUIPMENT INSTALLATION THRU FLOOR & CEILING JOSIS, NOTIFY ARCHITECT/ENGINEER OF MAJOR CONFLICIS, THE HAJOC CONTROCTOR IS RESPONSIBLE FOR REVIEWING THE DRAWINGS TO DETERMINE THE QUANTITY OF ALL MECHANICAL ITEMS REQUIRED, THE SYMBOLS SHOWN ON SCHEDULES DEFINE THE TYPE OF EQUIPMENT & NOT THE QUANTITY.

3. ALL DUCINORK & ACCESSORIES SHALL BE FIGRICATED, SUPPORTED & INSTALLED PER ALL APPLICABLE TIENS & REQUIREMENTS IN THE SMACKA HAVC DUCI CONSTRUCTION STANDARDS, 2005 EDITION, FOR 1" W.G., & STAL CLOSS A. SUPPORT MAY EXTERIOR DUCI PER THE LATEST SMACHA INDUSTRAL ROUND & RECTANDUAR DUCI STANDARDS, STAL ALL LONGTONNAL, DECOMPTENTIAL & TITING CORES WITH DUCI STANDARD IN CONTROL OF THE TIEN OF THE CONTROL OF THE REGION O ALL SUPPLY AIR DEVICES, OUTSIDE AIR DUCTS & RETURN AIR DEVICES WHERE INDICATED.

4. INSULATE ALL DUCTWORK (EXCLUDING INSULATED FLEX & DUCT WITHIN CONDITIONED SPACE) WITH 2 INCH THICK (R5 MIN.) FIBERGLASS BLANKET WITH FRK VAPOR BARRIER FACING, MIN. K @ 75 DEG. F SHALL BE 0.3 PER ASTM C158 & MIN. DENSITY SHALL BE 0.75 LB/CU. FT. SEAL ALL JOINTS WITH 3 INCH WIDE FSK TAPE TO MATCH VAPOR BARRIER. WHERE INSULATION IS REQUIRED ON EXTERIOR DUCT, PROVIDE/INSTALL WATERPROOF INSULATION SYSTEM W/ VAPOR BARRIER, R8 MIN.

5. DUCT SIZES MAY BE ALTERED AS LONG AS THE SAME CROSS SECTIONAL AREA IS MANITANED IN ORDER TO AVOID INTERFERENCES & CONFLICTS. COORDINATE FINAL DUCT LAYOUT WITH ALL OTHER TRADES & STRUCTURAL DRIWINGS & STRUCTURAL SHOP DRAWINGS PRIOR TO HAVE PROCUREMENT TO AVOID REWORK, INTERFERENCES & CONFLICTS.

6. INSTALL ALL MECHANICAL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, PROVIDE/INSTALL ALL COMPONENTS WHETHER SPECIFICALLY INDICATED ON DRAWINGS OR NOT THAT ARE NEEDED TO

7. REARDING HAVE EQUIPMENT, DIFFERENT MANUFACTURERS WITH EQUAL OR BETTER PERFORMANCE OR CONSTRUCTION CHARACTERISTICS WILL BE CONSIDERED BY THE HAVE ENGINEER FOR ALL HAVE EQUIPMENT EXCEPT HEATING AND COCUME FOLLIPMENT, HEATING & COOLING FOLLIPMENT ON HAVE DRAWINGS, ALL TOLLIPMENT SHALL BE BY CARRIER, TRAME, ACT (YORK) MISSURSHI OR SO-HOULD FOLLIPMENT ON HAVE DRAWINGS. ALL TOLLIPMENT ALTERNATS DESIRED BY THE HAVE CONTRACTOR TO VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS W/ ELECTRICAL CONTRACTOR PROOF TO FOLLIPMENT PROCUREMENT.

8. ALL 90 DEGREE RECTANGULAR ELBOWS SHALL HAVE TURNING VANES.

10. ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS.

11. ALL SYSIEMS & MIRTLOWS SHALL BE ADJUSTED & BALANCED AFTER COMPLETE INSTALLATION & WITH ALL EXHAUST FANS ENERGIZED. AN INDEPENDENT TESTING AND BALANCING AGENCY CERTIFIED BY THE MABC OR THE STATES AND BELLANCED TO TEST AND BRANCE THE PASS STREAS STREAMS SHALL BE RANCED TO PLESS FOR BELL BRANCED TO PLESS AND BRANCED TO P

12. FILTERS SHALL BE LOCATED INSIDE AIR HANDLERS & SHALL BE DISPOSABLE TYPE. INSTALL CLEAN FILTERS AT COMPLETION OF ALL CONSTRUCTION.

13. PROVIDE FLEXIBLE CONNECTIONS TO ALL AIR HANDLING EQUIPMENT.

14. PROVIDE SPACING BETWEEN/AROUND ALL HVAC EQUIPMENT TO ALLOW MAINTENANCE CLEARANCES AND FREE AIR FLOW.

15. REFER TO ARCHITECTURAL DRAWINGS, ELECTRICAL LIGHTING PLANS & REFLECTED CEILING PLANS FOR FINAL LOCATIONS OF CEILING MOUNTED AIR DEVICES & EQUIPMENT.

16. ALL ALTERNATES DESIRED BY THE HVAC CONTRACTOR SHALL BE DOCUMENTED AND SENT TO THE ARCHITECT 10 BUSINESS DAYS PRIOR TO BID DATE.

17. REFRIGERANT PIPING (IF NEEDED) SHALL BE "ACR" WITH 15% SILVER SOLDER JOINTS. INSULATE SUCTION LINE WITH 0.75 INCH THICK ARMAFLEX INSULATION. IF HAVE EQUIPMENT VENDOR REQUIRES DIFFERENT INSULATION THICKNESS/AND OR REQUIREMENTS COMPLY WITH THE VENDOR REQUIREMENTS, PURGE TUBING WITH DRY NITROGEN WHILE BRAZING, INSULATION JOINTS SHALL BE BUTTED & GLIED IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS. THE ZOOM LOCK BRIZE-FREE FITTINGS BY PARKER HANNIFIN CORPORATION ARE AN ACCEPTABLE ALTERNATIVE IF APPROVED BY THE HAVE EQUIPMENT MANUFACTURER. INSULATE & INSTALL TUBING & INSULATION PER MANUFACTURE'S INSTALLATION INSTRUCTIONS, IF THESE SPECIFICATIONS CONFLICT WITH VENDOR REQUIREMENTS INSTALL IN ACCORDANCE WITH VENDOR REQUIREMENTS.

18. IF HAVC CONTRACTOR DESIRES TO VALUE ENGINER THE DUCT SYSTEM(S) DESIGN, THE HAVC CONTRACTOR SHALL BEAR ALL COSTS REQUIRED TO REVISE ALL AFFECTED CONSTRUCTION DOCUMENTS FOR RESUBMITTAL TO ALL PAPPORNING PARTIES. ANY DESIRE TO VALUE ENGINEER SHALL BE DOCUMENTED VIA A FORMAL RIP DOCUMENT. HAVC CONTRACTOR TO COORDINATE PROPOSED CHANGES WITH ALL OTHER AFFECTED TRACES.

19. THE MECHANICAL/HAVIC CONTRACTOR SHALL COORDINATE & CONFIRM ALL ELECTRICAL REQUIREMENTS & SPECIFICATIONS WITH THE ELECTRICAL CONTRACTOR IN WRITING ONCE THE PROJECT HAS BEEN AWARDED. ANY DIFFERENCES IN ELECTRICAL CLANS

20. PAINT VISIBLE PORTION OF DUCTWORK BEHIND AIR OUTLETS AND INLETS MATTE BLACK.

CARRIER GAS ROOFTOP UNIT SCHEDULE	RTU5TON-GAS
Unit Configuration Data	
Tag Name	RTU5TON-GAS
Unit Model	48TCDA06A2A5-0A0A0
Unit Size	06 (5 Tons)
Volts-Phase-Hertz	208-3-60
Duct Configuration	Vertical Supply / Vertical Return
Total Oper. Weight (lb)	728.0
Unit Ratings	
ARI SEER	13.00
Cooling Performance	
Actual Airflow (CFM)	1750
Gross Cooling Capacity (MBH)	60.59
Gross Sensible Cooling Capacity (MBH)	42.97
Net Cooling Capacity (MBH)	57.32
Net Sensible Cooling Capacity (MBH)	39.70
Supply Fan	
External Static Pressure (in wg)	1.00
Total Static Pressure (in wg)	0.89
Supply Fan Power (BHP)	1.12
Maximum Continuous bHP	2.9
Heating Performance	
Gas Heating Capacity (MBH)	59.00 (72.0 INPUT)
Electrical Data	
Rooftop MCA	28.0
Rooftop MOCP	40
REQUIRED OPTIONS	
PROGRAMMABLE THERMOSTAT	
MED STATIC DRIVE	
LOW AMBIENT OPERATION	
WINTER START KIT	
ROOF CURB	
LOUVERED HAIL GUARD	
OUTDOOR AIR DAMPER PACKAGE	

DIFFU SCHE		RILLE,	AND REGISTER
CALLOUT	AIRFLOW RANGE (CFM)	FACE SIZE (IN)	MODEL
ASQ	0 - 130	8×8	TITUS 300RL 6X6
D	301 — 400	24x24	TITUS TMS 24X24
E	401 — 500	24x24	TITUS TMS 24X24
R	0 - 2200	24x24	TITUS 50F 24X24

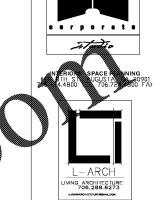
NECK	SIZE	SAME	AS	RUN	TUO	SIZE.	
PROVI	DE PL	ASTER	RIN	NGS	FOR	DRYWALL	CEILII

	SER, G DULE	RILLE,	AND REGISTER
LOUT	AIRFLOW RANGE (CFM)	FACE SIZE (IN)	MODEL
	0 - 130	8x8	TITUS 300RL 6X6
	301 — 400	24x24	TITUS TMS 24X24
	401 — 500	24x24	TITUS TMS 24X24

NECK SIZE	SAME AS	RUNOUT	SIZE.	



D	THERM	OSTAT			<i>.</i>
A Qan	DIFFUS	ER)	W.
			"	W .	



	COFFEE HOUSE
	3116 WILLIAM FEW PARKWAY
	EVANS, GEORGIA
weD by:	Date: 7/19/16
2003. Corporate StuDio Inc., Thes thereof may not be useD for any p	2003. Corporate StuDio Inc., These Drawings are protecteD by the copyright laws of the UniteD States. These Drawings or any part thereof may not be useD for any purpose or reproDuceD in any form or by any means without the written consent of Corporate StuDio.

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Revisions	

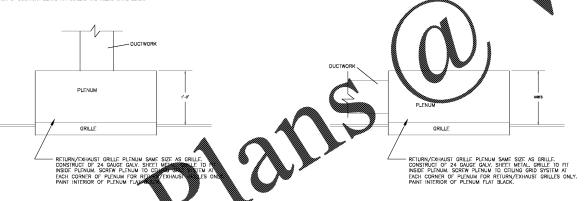
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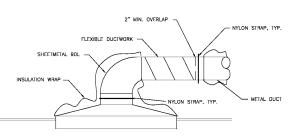
1/4"=1'-0"

MARK	MFG./MODEL NO.	CFM_NOM.	N. S.P.	AMPS	ELEC.	WATTS	OPTIONS/ACCESSORIES
EF	GREENHECK SP-A50	5900	.125	.31	115/60/1	16	WALL CAP & BACKDRAFT DAMPER
EF1	GREENHECKA250	250	.20	.77	115/60/1	83	WALL CAP, SPEED CONTROLLER & BACKDRAF DAMPER



RETURN/EXHAUST GRILLE PLAND DETAIL

RETURN/EXHAUST GRILLE PLENUM DETAIL 2 NO SCALE



FLEXIBLE DUCTWORK CONNECTION DETAIL NO SCALE

