



ISSUE/REVISION RECORD

DATE	DESCRIPTION
01/25/19	PERMIT SET
03/16/20	REFRESH TO 2020.0113



PROJECT NAME

HWY 316 @ 81

**BETHLEHEM
 GA 30620
 839 LOGANVILLE HWY**

RACETRAC STORE NUMBER

#1304

PROTOTYPE SERIES 5.5K 2.0
 2018 LH MO 0405

PLAN MODIFICATION NOTICE

SPB NO. 0405 DATE 12/18/18

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

PROJECT NUMBER
 2018157.19

SHEET TITLE
**MECHANICAL
 EQUIPMENT
 SCHEDULES**

SHEET NUMBER

M002

ROOFTOP A/C EQUIPMENT SCHEDULE

A/C UNIT TAG	MANUFACTURER	MODEL**	CFM	E.S.P. (in. W.C.)	BHP	COOLING(MBHQ)*				HEATING			ELECTRICAL			OPERATING WEIGHT LBS.	NOTES		
						TOTAL	SENSIBLE	IEER	EER	TYPE	KW	MBH	STAGES	OUTSIDE AIR CFM	VOLT/PH/ HZ			MCA	MOCP
RTU-1	CARRIER	50TC-E12C2M5-6W1K0	4000	1.0	2.64	124.3	89.3	13.0	11.3	ELECT	19	1	1	800	208/3/60	97	100	1,320	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
RTU-2	CARRIER	50TC-E14C3M5-6W1K0	4800	1.0	4.0	153	113.2	12.4	11.0	ELECT	24	1	1	800	208/3/60	104	110	1,535	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
RTU-3	CARRIER	50FC-N07M2M5-6W1F0	2100	1.0	1.25	69.1	43.2	15.2	11.2	ELECT	12	1	1	210	208/3/60	48	50	810	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14
RTU-4	CARRIER	50TC-E08C2M5-6W1M0	3000	1.0	2.55	84.8	60.7	13.0	11.2	NA	NA	NA	110	208/3/60	45	50	1,161	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14	

*DESIGN BASED ON 95°F OA, 80°F DB, AND 67°F WB
 **MODEL NUMBER PROVIDED THROUGH NATIONAL ACCOUNT AGREEMENT. IF ANY DISCREPANCIES BETWEEN MODEL NUMBER AND NOTES OCCUR, PROVIDE REQUIRED ACCESSORIES INDICATED IN NOTES.
 RACETRAC HAS AN EXCLUSIVE NATIONAL ACCOUNT WITH CARRIER. PLEASE CONTACT KEN REVILLA 954-218-0070 OR EMAIL ken.revilla@carrier.utc.com FOR PRICING QUESTIONS.

- NOTES:
- PROVIDE UNITS WITH INSULATED MATCHING ROOF CURB, MINIMUM 14" IN HEIGHT.
 - PROVIDE UNITS WITH ENTHALPY ECONOMIZER WITH BAROMETRIC RELIEF.
 - PROVIDE COMPRESSORS WITH SHORT CYCLING PROTECTION.
 - PROVIDE INTEGRAL DISCONNECT SWITCH AND SINGLE POINT POWER CONNECTION.
 - PROVIDE CONDENSATE DRAIN OVERFLOW SENSOR SWITCH.
 - PROVIDE SMOKE DETECTOR ON SUPPLY DUCT, TO SHUT DOWN UNIT IF DETECTING SMOKE.
 - PROVIDE DEHUMIDIFICATION PACKAGE WITH ADDITIONAL INTEGRAL HOT GAS REHEAT COIL AND REFRIGERATION PIPING.
 - UNITS ARE AHRI RATED.
 - PROVIDE WITH EPOXY COATED COILS WITHIN 5 MILES OF COAST LINE.
 - PROVIDE WITH HAIL GUARDS.
 - PROVIDE 5 YEAR COMPRESSOR AND 3 YEAR PARTS WARRANTY.
 - NON-FUSED DISCONNECT PROVIDED BY RACETRAC.
 - CONTRACTOR SHALL PROVIDE HONEYWELL T1331E210 THERMOSTAT AND HONEYWELL H7635B2018 DUCT MOUNTED HUMIDITY/TEMPERATURE SENSOR.
 - FAN SHALL BE SET TO RUN CONTINUOUSLY TO MAINTAIN MINIMUM OUTDOOR AIR REQUIREMENTS.

ECONOMIZER CONTROL NOTES
 AS THE MIXED AIR TEMPERATURE FLUCTUATES ABOVE 55°F OR BELOW 50°F DAMPERS WILL MODULATE (OPEN OR CLOSE) TO BRING IN MIXED-AIR TEMPERATURE BACK WITH CONTROL. IF MECHANICAL COOLING IS UTILIZED WITH FREE COOLING, THE OUTDOOR-AIR DAMPER WILL MAINTAIN ITS CURRENT POSITION AT THE TIME THE COMPRESSOR IS STARTED. IF THE INCREASE IN COOLING CAPACITY CAUSES THE MIXED-AIR TEMPERATURE TO DROP BELOW 45°F, THEN THE OUTDOOR-AIR DAMPER POSITION WILL BE DECREASED TO THE MINIMUM POSITION. CONTROL RETURNS TO NORMAL ONCE THE MIXED-AIR TEMPERATURE RISES ABOVE 48°F.

EXHAUST FAN SCHEDULE

TAG	SERVICE AREA	MANUFACTURER	MODEL NUMBER	CONFIG	CFM	E.S.P. (IN W.G.)	SONES	HP	RPM	DRIVE	VOLT/PH/HZ	WEIGHT (LBS)	DIMENSIONS LxWxH	OPENING L"xW"	CONTROL	NOTES
EF-1	RESTROOM MENS	GREENHECK	G-080-VG	ROOF	210	0.5	7.5	1/10	1725	DIRECT	120/1/60	47	17x17	12.5x12.5	RESTROOM LIGHTING	1, 2, 3
EF-2	RESTROOM WOMENS	GREENHECK	G-080-VG	ROOF	210	0.5	7.5	1/10	1725	DIRECT	120/1/60	47	17x17	12.5x12.5	RESTROOM LIGHTING	1, 2, 3
EF-3	KITCHEN PREP	GREENHECK	G-103-VG	ROOF	600	0.5	5.0	1/4	1725	DIRECT	120/1/60	61	19x19	14.5x14.5	WALL SWITCH	1, 2, 3
EF-4	DRY GOODS RECEIVING	GREENHECK	G-103-VG	ROOF	600	0.5	5.0	1/4	1725	DIRECT	120/1/60	61	19x19	14.5x14.5	THERMOSTAT	1, 2, 3

- NOTES:
- PROVIDE FANS WITH INSULATED MATCHING ROOF CURB, MINIMUM 12" IN HEIGHT.
 - PROVIDE FANS WITH AUTOMATIC BACKDRAFT DAMPERS.
 - PROVIDE FANS WITH DISCONNECT SWITCH.

AIR DISTRIBUTION SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	FACE SIZE	NECK SIZE	MATERIAL	FRAME	FINISH	DAMPER	THROW	NC	CFM RANGE	NOTES
A	TITUS	TMSA-AA	12x12	SEE PLAN	ALUM.	PLASTER	OFF WHITE	-	VERTHORIZ	MAX 30	10-150	1, 2, 3, 4, 5, 6
B	TITUS	TMSA-AA	24x24	SEE PLAN	ALUM.	LAY-IN	OFF WHITE	-	VERTHORIZ	MAX 30	250-425	1, 2, 3, 4, 5, 6
D	TITUS	ML39	(4)4x1"	SEE PLAN	ALUM.	LAY-IN	OFF WHITE	-	VERTHORIZ	MAX 30	350-425	1, 3, 4, 5, 6, 8
F	TITUS	ML39	(5)4x1"	SEE PLAN	ALUM.	LAY-IN	OFF WHITE	-	VERT	MAX 30	10-575	1, 3, 4, 5, 6, 8
G	TITUS	ML39	(2)4x1"	SEE PLAN	ALUM.	LAY-IN	OFF WHITE	-	VERT	MAX 30	10-250	1, 3, 4, 5, 6, 8
R	TITUS	350F	12x12	10x10	ALUM.	SEE PLANS	OFF WHITE	-	-	MAX 30	*	3, 4, 6, 7
S	TITUS	350FL	24x24	22x22	ALUM.	LAY-IN	OFF WHITE	-	-	MAX 30	*	3, 4, 6
T	TITUS	350FL	24x48	22x46	ALUM.	LAY-IN	OFF WHITE	-	-	MAX 30	*	3, 4, 6

- NOTES:
- PROVIDE SPIN-IN COLLAR WITH VOLUME DAMPER AT TRUNK TO FLEX DUCT CONNECTION (SEE DETAIL ON M430).
 - PROVIDE TYPICAL 4-WAY DIFFUSION, 2-WAY OR 3-WAY ONLY WHERE INDICATED ON PLANS.
 - REFER TO ARCHITECT PLANS FOR CEILING TYPE.
 - FINAL COLOR SELECTION SUBJECT TO ARCHITECT APPROVAL.
 - FLEX DUCT SIZE TO BE SAME AS DIFFUSER NECK SIZE.
 - PROVIDE INSULATION ON THE BACK OF DIFFUSER.
 - PROVIDE GRILLE MOUNTED OPPOSED BLADE VOLUME DAMPER WITH CONCEALED ACCESSIBLE OPERATOR.
 - PROVIDE MPI-39 PLENUM BOX AND BORDER TYPE 2A.

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