	AIR BALANCE SCHEDULE										
MADIC		DINING (CFM)		KITCHEN (CFM)							
MARK	S/A	O/A	E/A	S/A	O/A	E/A					
RTU-1	-	-	-	2280	570	-					
RTU-2	2000	500	-	_	_	_					
AHU-1	600	_	-	_	_	_					
AC-1	705	705 –		_							
TEF-1	_			_	_						
TEF-2	_	ı	100	1	ı						
KEF-1	_	ı	-	1	ı	1100					
KEF-1	_	ı	_	1	ı	2725					
MAU-1	_	-	_	-	3060	_					
TOTAL	3305	500	200	2280	3630	3825					
	DINING PRESSURIZATION (O/A) - (E/A)= +300 CFM (O/A) - (E/A)= -195 CFM										
	NET BUILDING PRESSURIZATION (DINING + KITCHEN)= +105 CFM										

O/A VENTILATION SCHEDULE									
1051 050/50	VENT	ILATION (OCCUPA	NCY)	VENTILATION (AREA)					
AREA SERVED	# OF PEOPLE	CFM/PERSON	CFM	SQUARE FEET	CFM/SF	CFM			
DINING	55	7.5	413	1078	0.18	194			
RESTROOMS	_	_	_	245	_	_			
KITCHEN	_	_	_	630	_	_			
SUBTOTALS			413			194			
		TOTAL O/A REQUIRED	607 CFM						

1. CALCULATIONS ARE BASED ON ASHRAE 62.1

2. OUTDOOR AIR DEMAND IS: - 607 CFM OUTDOOR AIR PROVIDED IS: + 1070 CFM _____ OUTDOOR AIR DIFFERENCE IS: + 463 CFM

SPLIT SYSTE	M SCHEDULE	
AIR HANDLING UNIT		
UNIT TAG	AHU-1	_
CARRIER MODEL NO.	FX4DNF019	_
INSTALLED (LBS)	55	_
FAN SECTION		
MOTOR HP	1/3	_
RATED CFM	600	_
DRIVE	DIRECT	_
E.S.P. (IWG)	0.50	_
MIN. OUTDOOR AIR (CFM)	_	_
ELECTRIC HEAT COIL		
MANUFACTURER	_	_
AMBIENT DB (°F)	-3	_
INPUT (kW)	8	_
OUTPUT (kW)	6	_
M.A.T. DB (°F)	72.0	_
TEMPERATURÉ RISE (°F)	31	_
LEAVING AIR TEMP. (°F)	103	_
POWER SUPPLY	_	_
TOTAL UNIT ELECTRIC DATA		
VOLTS/PH/HZ	208/1/60	_
MIN. CIR. AMPS	44.7	_
MOCP	45	_
MIN. COOLING PERFORMANCE		
MODEL NO.	_	
NUMBER OF CIRCUITS	1	_
ENTERING DB/WB (°F)	80/67	_
AMBIENT DB (°F)	95	-
SENS. CAP. (MBH)	12.83	_
TOTAL CAP. (MBH)	18.05	_
CONDENSING UNIT		
UNIT TAG	CU-1	_
MODEL NO.	24ABB318	_
NOMINAL CAPACITY (TONS)	1.5	_
NUMBER OF CIRCUITS	1	_
INSTALLED (LBS)	107	_
SEER	14.5	-
ELECTRIC DATA		
VOLTS/PH/HZ	208/1/60	_
MIN. CKT AMPS	11.7	_
MOCP	20	_

- CONDENSING UNIT SHALL BE FACTORY EQUIPPED WITH THE FOLLOWING OPTIONS/ ACCESSORIES: DX COIL, THERMAL EXPANSION VALVE, DRAIN PAN, SIGHT GLASS, LIQUID LINE FILTER, LOW AMBIENT CONTROL KIT, COATED COILS AND ANTI-SHORT CYCLE TIMER.
- PROVIDE FIELD FABRICATED 20 GA. GALVANIZED STEEL AUXILIARY DRAIN PAN WITH WATERTIGHT SOLDERED CORNERS. PAN SHALL BE 2" DEEP AND EXTEND 2" BEYOND THE AIR HANDLING UNIT IN EACH DIRECTION.
- COORDINATE REFRIGERANT SUCTION AND LIQUID LINE SIZING WITH MANUFACTURER REQUIREMENTS, AGAINST THE MAXIMUM DEVELOPED HORIZONTAL AND VERTICAL LINE LENGTHS REQUIRED WITH SITE CONDITIONS.
- COOLING LOADS LISTED ARE AT A.R.I. STANDARD. CONTACT MR. JARMALE LEWIS (CARRIER ENTERPRISES) AT (972)281-6541 FOR PRICING AND VERIFY FINAL SELECTIONS FOR EQUIPMENT SELECTION INFORMATION
- AND ORDERING. 6. PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT

PACKAGED ROOFTOP UNIT SCHEDULE								
	MARK	<u>RTU-1</u>	<u>RTU-2</u>					
	SERVING	KITCHEN	DINING					
l .	MANUFACTURER	CARRIER	CARRIER					
 	MODEL NO.	48TCEA07	48TCEB06					
GENERAL	TYPE	GAS/ELEC	GAS/ELEC					
B B	OPERATING WEIGHT, LBS.	734	798					
	LENGTH, WIDTH, HEIGHT	74"x44"x41"	74"x44"x41"					
	MINIMUM EER/SEER	11.2/	10.75/					
 }	VOLTS/ PH/ HZ	208/3/60	208/3/60					
I III	MCA (AMPS)	34	28					
ELECTRICAL	MOCP (AMPS)	50	40					
	SUPPLY AIR CFM	2280	2000					
├ .	OUTSIDE AIR CFM	570	500					
SUPPLY FAN	ESP ("W.G.)	0.75	0.75					
SUL	FAN RPM	1459	1459					
	MOTOR BHP	1.91	1.91					
	NOMINAL SIZE TONS	6	5					
()	TOTAL CAPACITY (MBH)	74.60	61.90					
SOOLING	SENSIBLE CAPACITY (MBH)	56.63	47.70					
00	OUTSIDE AIR DB/WB, °F.	95	95					
Ö	ENTERING AIR DB/WB, °F.	80/67	80/67					
	TYPE OF HEAT	GAS	GAS					
	HEATING INPUT (MBH)	115	115					
.ING	HEATING OUTPUT (MBH)	93	93					
HEATIN	OUTSIDE AIR DB/WB, °F.	-3	-3					
	LEAVING AIR DB/WB, °F.	90.3	95.5					
NOTES		1-8,10	1-10					
NOTES: (N	OT ALL MAY APPLY)							

SERVICE

RESTROOM

COOKLINE HOOD-1

COOKLINE HOOD-2,3

COOKLINE HOODS

REQUIRED WORK WITH THE ELECTRICAL CONTRACTOR.

4. PROVIDE GRAVITY BACKDRAFT DAMPER.

- PROVIDE A FACTORY AVAILABLE UN-INSULATED 14" HIGH FLAT ROOF CURB THAT SHALL BE FIELD ASSEMBLED AND SHIMMED SUCH THAT THE TOP OF THE CURB SETS LEVEL. ROOF CURBS TO BE INSTALLED BY THE GENERAL CONTRACTOR, AND FIELD INSULATED BY THE MECHANICAL CONTRACTOR.
- PROVIDE WITH LOW AMBIENT CONTROLS, CONDENSER COIL HAIL GUARD, HINGED ACCESS PANELS, CRANK CASE HEATER, FROSTAT, AND EPOXY COATED CONDENSER COILS.
- SENSORS AND LOW VOLTAGE CONTROL WIRING SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR.
- PROVIDE WITH MANUFACTURER'S REMOTE TEMPERATURE SENSOR AND PROGRAMMABLE 24/7 THERMOSTAT CAPABLE OF AUTOMATIC COOLING/ HEATING CHANGEOVER.
- PER IECC, PROVIDE ENTHALPY ECONOMIZER SECTION WITH MOTORIZED OUTSIDE AIR DAMPER.
- PROVIDE FACTORY AVAILABLE RETURN AIR SMOKE DETECTOR(S), CAPABLE OF SHUTTING DOWN THE ROOFTOP UNIT UPON ACTIVATION.
- PROVIDE FACTORY INSTALLED NON-FUSED ELECTRICAL DISCONNECT AND CONVENIENCE RECEPTACLE. RECEPTACLE SHALL BE FIELD WIRED BY THE E.C. AND POWERED SEPARATELY FROM THE UNIT.
- PROVIDE BOTTOM ENTRY SINGLE POINT ELECTRICAL POWER CONNECTION. 9. UNIT SELECTION SPECIFIED WITH HOT GAS REHEAT.

CFM

1100

2725

PROVIDE INTERLOCK SWITCH BETWEEN KITCHEN HOOD EXHAUST FANS AND MAU-1. COORDINATE

. PROVIDE INDEPENDENT WEATHER PROOF DISCONNECT SWITCH IN SIGHT OF THE EQUIPMENT.

. WEATHER PROOF DISCONNECT SWITCH AND INTERNAL WIRING SHALL BE FACTORY INSTALLED.

COORDINATE THE REQUIRED WORK WITH THE ELECTRICAL CONTRACTOR.

10. CONTACT MR. JARMALE LEWIS (CARRIER ENTERPRISES) AT (972)281-6541 FOR PRICING AND VERIFY FINAL SELECTIONS FOR EQUIPMENT SELECTION INFORMATION AND ORDERING.

E.S.P. "WG

0.75

1.20

100 | 0.25

3060 | 0.75 |

RPM

1151

1069 l

ABBR. CD CD SAD CR CR RAD CE CE EAD (L) VD FC	DESCRIPTION CEILING DIFFUSER — SUPPLY CEILING DIFFUSER BELOW DUCT — SUPPLY RISER — SUPPLY AIR DUCT CEILING REGISTER — RETURN CEILING REGISTER BELOW DUCT — RETURN RISER — RETURN AIR DUCT CEILING REGISTER — EXHAUST CEILING REGISTER BELOW DUCT — EXHAUST RISER — EXHAUST AIR DUCT LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
CD SAD CR CR RAD CE EAD (L) VD	CEILING DIFFUSER BELOW DUCT — SUPPLY RISER — SUPPLY AIR DUCT CEILING REGISTER — RETURN CEILING REGISTER BELOW DUCT — RETURN RISER — RETURN AIR DUCT CEILING REGISTER — EXHAUST CEILING REGISTER BELOW DUCT — EXHAUST RISER — EXHAUST AIR DUCT LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
SAD CR CR RAD CE CE LAD (L) VD	RISER — SUPPLY AIR DUCT CEILING REGISTER — RETURN CEILING REGISTER BELOW DUCT — RETURN RISER — RETURN AIR DUCT CEILING REGISTER — EXHAUST CEILING REGISTER BELOW DUCT — EXHAUST RISER — EXHAUST AIR DUCT LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
CR CR RAD CE CE EAD (L) VD	CEILING REGISTER — RETURN CEILING REGISTER BELOW DUCT — RETURN RISER — RETURN AIR DUCT CEILING REGISTER — EXHAUST CEILING REGISTER BELOW DUCT — EXHAUST RISER — EXHAUST AIR DUCT LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
CR RAD CE CE EAD (L) VD	CEILING REGISTER BELOW DUCT — RETURN RISER — RETURN AIR DUCT CEILING REGISTER — EXHAUST CEILING REGISTER BELOW DUCT — EXHAUST RISER — EXHAUST AIR DUCT LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
RAD CE CE EAD (L) VD	RISER - RETURN AIR DUCT CEILING REGISTER - EXHAUST CEILING REGISTER BELOW DUCT - EXHAUST RISER - EXHAUST AIR DUCT LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
CE CE EAD (L) VD	CEILING REGISTER — EXHAUST CEILING REGISTER BELOW DUCT — EXHAUST RISER — EXHAUST AIR DUCT LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
CE EAD (L) VD	CEILING REGISTER BELOW DUCT — EXHAUST RISER — EXHAUST AIR DUCT LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
EAD (L) VD	RISER — EXHAUST AIR DUCT LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
(L) VD	LINED DUCTWORK MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
VD	MANUAL VOLUME DAMPER FLEXIBLE CONNECTION
	FLEXIBLE CONNECTION
FC	
	NEW DUCT
	AIR DEVICE DESIGNATION
TSTAT	PROGRAMMABLE THERMOSTAT
SENS	REMOTE TEMPERATURE SENSOR
SD	SMOKE DETECTOR
POC	POINT OF CONNECTION
CFM	CUBIC FEET PER MINUTE
S/A	SUPPLY AIR
0/A	OUTSIDE AIR
E/A	EXHAUST AIR
S.P.	STATIC PRESSURE
FOH	FRONT OF HOUSE
вон	BACK OF HOUSE
RTU	ROOF TOP UNIT
	AIR HANDLING UNIT
	CFM S/A O/A E/A S.P. FOH

	MECF	HANICAL LEGEND
SYMBOL	ABBR.	DESCRIPTION
\boxtimes	CD	CEILING DIFFUSER — SUPPLY
	CD	CEILING DIFFUSER BELOW DUCT - SUPPLY
\bowtie	SAD	RISER — SUPPLY AIR DUCT
	CR	CEILING REGISTER — RETURN
	CR	CEILING REGISTER BELOW DUCT — RETURN
	RAD	RISER — RETURN AIR DUCT
	CE	CEILING REGISTER — EXHAUST
	CE	CEILING REGISTER BELOW DUCT — EXHAUST
	EAD	RISER — EXHAUST AIR DUCT
	(L)	LINED DUCTWORK
	VD	MANUAL VOLUME DAMPER
E	FC	FLEXIBLE CONNECTION
===		NEW DUCT
TAG		AIR DEVICE DESIGNATION
Ū	TSTAT	PROGRAMMABLE THERMOSTAT
<u> </u>	SENS	REMOTE TEMPERATURE SENSOR
<u>(S)</u>	SD	SMOKE DETECTOR
\oplus	POC	POINT OF CONNECTION
	CFM	CUBIC FEET PER MINUTE
	S/A	SUPPLY AIR
	O/A	OUTSIDE AIR
	E/A	EXHAUST AIR
	S.P.	STATIC PRESSURE
	FOH	FRONT OF HOUSE
	ВОН	BACK OF HOUSE
	RTU	ROOF TOP UNIT
	AHU	AIR HANDLING UNIT

	MECHANICAL LEGEND							
SYMBOL	ABBR.	DESCRIPTION						
\boxtimes	CD	CEILING DIFFUSER - SUPPLY						
	CD	CEILING DIFFUSER BELOW DUCT — SUPPLY						
\boxtimes	SAD	RISER — SUPPLY AIR DUCT						
	CR	CEILING REGISTER — RETURN						
	CR	CEILING REGISTER BELOW DUCT — RETURN						
	RAD	RISER — RETURN AIR DUCT						
	CE	CEILING REGISTER — EXHAUST						
{	CE	CEILING REGISTER BELOW DUCT — EXHAUST						
	EAD	RISER — EXHAUST AIR DUCT						
£}	(L)	LINED DUCTWORK						
{ <u></u>	VD	MANUAL VOLUME DAMPER						
£	FC	FLEXIBLE CONNECTION						
		NEW DUCT						
TAG		AIR DEVICE DESIGNATION						
1	TSTAT	PROGRAMMABLE THERMOSTAT						
(S)	SENS	REMOTE TEMPERATURE SENSOR						
<u>(S)</u>	SD	SMOKE DETECTOR						
\oplus	POC	POINT OF CONNECTION						
	CFM	CUBIC FEET PER MINUTE						
	S/A	SUPPLY AIR						
	0/A	OUTSIDE AIR						
	E/A	EXHAUST AIR						
	S.P.	STATIC PRESSURE						
	FOH	FRONT OF HOUSE						
	ВОН	BACK OF HOUSE						
	RTU	ROOF TOP UNIT						
								

MECHANICAL LEGEND							
SYMBOL	ABBR.	DESCRIPTION					
\boxtimes	CD	CEILING DIFFUSER - SUPPLY					
	CD	CEILING DIFFUSER BELOW DUCT — SUPPLY					
\boxtimes	SAD	RISER - SUPPLY AIR DUCT					
	CR	CEILING REGISTER — RETURN					
	CR	CEILING REGISTER BELOW DUCT — RETURN					
	RAD	RISER — RETURN AIR DUCT					
	CE	CEILING REGISTER — EXHAUST					
	CE	CEILING REGISTER BELOW DUCT — EXHAUST					
	EAD	RISER — EXHAUST AIR DUCT					
<u> </u>	(L)	LINED DUCTWORK					
	VD	MANUAL VOLUME DAMPER					
£ 3	FC	FLEXIBLE CONNECTION					
		NEW DUCT					
TAG		AIR DEVICE DESIGNATION					
①	TSTAT	PROGRAMMABLE THERMOSTAT					
<u>\$</u>	SENS	REMOTE TEMPERATURE SENSOR					
(S)	SD	SMOKE DETECTOR					
\oplus	POC	POINT OF CONNECTION					
	CFM	CUBIC FEET PER MINUTE					
	S/A	SUPPLY AIR					
	0/A	OUTSIDE AIR					
	E/A	EXHAUST AIR					
	S.P.	STATIC PRESSURE					
	FOH	FRONT OF HOUSE					
	ВОН	BACK OF HOUSE					
	RTU	ROOF TOP UNIT					

MECH	HANICAL LEGEND		
ABBR.	DESCRIPTION	1.	NOTE: FOR THE P ARE ESSENTIALLY D
CD	CEILING DIFFUSER — SUPPLY		EQUIPMENT ARE DR SHALL MAKE USE O VERIFY THIS INFORM
CD	CEILING DIFFUSER BELOW DUCT — SUPPLY	2.	ANY MATERIALS. THE MECHANICAL C
SAD	RISER — SUPPLY AIR DUCT		COOPERATE WITH TI
CR	CEILING REGISTER — RETURN	3. 	THE MECHANICAL C
CR	CEILING REGISTER BELOW DUCT — RETURN	4.	PROVIDE WRITTEN W LABOR, AT NO COS ACCEPTANCE BY TH SUBSTANTIAL COMPI
RAD	RISER — RETURN AIR DUCT	5.	THE MECHANICAL CONTRACTOR AND
CE	CEILING REGISTER — EXHAUST		PENETRATIONS. ALI WALLS AND ROOF THE USE OF SLEE
CE	CEILING REGISTER BELOW DUCT — EXHAUST	6.	HELD TO A MINIMU ALL ITEMS PROJEC
EAD	RISER — EXHAUST AIR DUCT		CURBS OR PIPE S CURBS AND SEALS ENSURE THAT AMP ANY ELECTRICAL O
(L)	LINED DUCTWORK	7.	COORDINATE THE I
VD	MANUAL VOLUME DAMPER		AND BAR) SHALL SCHEDULE. ALL IN GRILLES SHALL BE
FC	FLEXIBLE CONNECTION	8.	ROOFTOP UNITS S DURING OCCUPIED
	NEW DUCT	9.	ROOFTOP UNITS SI
	AIR DEVICE DESIGNATION		OVER WHITE LAMIN DISCONNECT SWITC
TSTAT	PROGRAMMABLE THERMOSTAT	10.	LINE VOLTAGE WIRIN CONNECTION BY EL AND FINAL CONNEC
SENS	REMOTE TEMPERATURE SENSOR	11.	ALL HVAC SUPPLY INTERNALLY LINED WITH VAPOR BARR
SD	SMOKE DETECTOR		WITH CITY AMENDA 25 FLAME SPREAD DRAWINGS FOR DU
POC	POINT OF CONNECTION	12.	ALL HVAC SUPPLY EXTERNALLY WRAP
05.4			INSULATION WITH \

WEIGHT

108

155

15 | 2,4,7

790 | 1,3,4,6,8

NOTES

1,3,5,6

1,3,5,6

GENERAL NOTES

- PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATIONS OF RAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR E OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND RMATION PRIOR TO ORDERING, FABRICATING OR INSTALLING
- CONTRACTOR SHALL PROVIDE COMPLETE INFORMATION AND THE OTHER CONTRACTORS AND TRADES AS REQUIRED FOR
- AND COORDINATION OF THE COMPLETE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING
- ON EQUIPMENT WHICH THEY FURNISH AND INSTALL. WARRANTY TO REPLACE ALL FAULTY MATERIALS AND/OR OST TO OWNER, FOR A PERIOD OF ONE YEAR FROM DATE OF HE OWNER. WARRANTIES SHALL BEGIN ON THE DATE OF PLETION.
- CONTRACTOR SHALL COORDINATE WITH THE GENERAL OTHER TRADES ALL REQUIRED OPENINGS AND LL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, SHALL BE CONSTRUCTED INTO THE STRUCTURE WITH EEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE
- ECTING THROUGH THE ROOF SHALL BE FLASHED THROUGH SEALS A MINIMUM OF 12" ABOVE THE ROOF. THE PIPE LS SHALL BE INSTALLED BY THE ROOFING CONTRACTOR. MPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE CONDUIT PENETRATIONS REQUIRED FOR POWER.
- INSTALLATION AND FINISH OF ALL SUPPLY AND RETURN DEVICES LOCATED IN GUEST AREAS (INCLUDING DINING BE PAINTED PER THE ARCHITECTURAL DRAWINGS FINISH INTERIOR FACES OF DUCTWORK BEHIND RETURN AIR BE PAINTED FLAT BACK FOR LINE OF SIGHT.
- SHALL BE SET TO RUN IN "FAN CONTINUOUS" MODE ED HOURS. DURING NIGHT SET-BACK HOURS, THE SHALL RUN IN "FAN AUTO" MODE.
- ITRACTOR SHALL FURNISH AND INSTALL 4" HIGH BLACK INATE NAMEPLATE WITH 2" LETTERS VISIBLE ADJACENT TO TCH FOR ROOFTOP UNITS AND ROOF MOUNTED FANS. RING, ALL CONDUIT DISCONNECT SWITCHES AND FINAL ELECTRICAL CONTRACTOR. LOW VOLTAGE CONDUIT AND WIRING
- ECTION BY MECHANICAL CONTRACTOR. PLY AND RETURN EXPOSED DUCTWORK SHALL BE) AND PINNED WITH MINIMUM R-8.0, 1-1/2" INSULATION RRIER PER THE 2009 INTERNATIONAL MECHANICAL CODE DMENTS. INSULATION SHALL HAVE MAXIMUM RATINGS OF EAD, 50 SMOKE DEVELOPED. REFER TO ARCHITECTURAL
- DUCT PAINT OR COLOR SPECIFICATION PLY AND RETURN CONCEALED DUCTWORK TO BE APPED AND SECURED WITH MINIMUM R-8.0, 2" VAPOR BARRIER PER THE 2009 INTERNATIONAL MECHANICAL CODE WITH CITY AMENDMENTS. INSULATION SHALL HAVE
- MAXIMUM RATINGS OF 25 FLAME SPREAD, 50 SMOKE DEVELOPED. 13. ALL PENETRATIONS IN FIRE RATED WALL ASSEMBLIES SHALL BE SEALED
- WITH UL LISTED FIRE STOPPING MATERIAL. 14. ALL TYPE-1 GREASE EXHAUST DUCTS SHALL BE NFPA 96 APPROVED 16 GA. WELDED BLACK IRON, EXTERNALLY WELDED WITH LIQUID TIGHT JOINTS, SEAMS. AND SMOOTH RADIUS ELBOWS AND TRANSITIONS.
- 15. ALL TYPE-1 GREASE EXHAUST DUCTS SHALL BE DOUBLE WRAPPED WITH U.L. LISTED FIRE WRAP SIMILAR TO 3M FIRE BARRIER DUCT WRAP 20A IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. EACH GREASE DUCT RISER SHALL BE WRAPPED TO THE FULL EXTENT POSSIBLE FROM THE HOOD COLLAR CONNECTION UP TO THE TERMINATION AT THE EXHAUST FAN INLET. ALL GREASE EXHAUST FAN ROOF CURBS SHALL BE VENTED PER NFPA 96. PROVIDE REQUIRED ACCESS FOR SERVICING AND CLEANING, AND VERIFY THE HINGED CURB OPENING OPERATES PROPERLY.
- 16. ROOF CURBS FOR EXHAUST FANS AND THE MAKEUP AIR UNIT SHALL BE FACTORY FABRICATED OF FULL WELDED STEEL CONSTRUCTION WITH WOOD NAILER, AND FURNISHED WITH THE HOOD AND FAN PACKAGE. VERIFY REQUIREMENTS FOR THE ROOF CURBS WITH THE EQUIPMENT SUPPLIER. THE GENERAL CONTRACTOR SHALL FLASH ROOF CURBS AND SHIM DEAD LEVEL. COORDINATE EXACT SIZE AND LOCATION OF ROOF OPENINGS WITH THE STRUCTURAL FRAMING. CUTTING OF STRUCTURAL MEMBERS IS NOT PERMITTED.
- 17. ROOF CURBS FOR ROOFTOP UNITS SHALL BE FACTORY FABRICATED OF FULL WELDED STEEL CONSTRUCTION WITH WOOD NAILER, AND FURNISHED WITH THE HVAC EQUIPMENT PACKAGE. VERIFY REQUIREMENTS FOR THE ROOF CURBS WITH THE EQUIPMENT SUPPLIER. THE GENERAL CONTRACTOR SHALL FIELD ASSEMBLE THE ROOF CURBS, FLASH AND SHIM DEAD LEVEL. COORDINATE EXACT SIZE AND LOCATION OF ROOF OPENINGS WITH THE STRUCTURAL FRAMING. CUTTING OF STRUCTURAL MEMBERS IS NOT PERMITTED.
- 18. THE KITCHEN HOOD PACKAGE WILL BE PROVIDED WITH WALL MOUNTED CABINET HOUSING THE FIRE SUPPRESSION TANKS, HOOD EXHAUST FAN SWITCHES, AND LIGHT SWITCHES.
- 19. THE GREASE EXHAUST DUCT RISERS BETWEEN THE HOOD COLLARS AND EXHAUST FANS SHALL BE OF THE SAME SIZE AS THE RESPECTIVE HOOD COLLAR SIZE, UNO. REFER TO THE HOOD SHEETS FOR THE HOOD COLLAR SIZES AS PROVIDED BY THE HOOD MANUFACTURER.
- 20. PER THE 2009 INTERNATIONAL MECHANICAL CODE WHEN REQUIRED, EACH SINGLE SYSTEM PROVIDING HEATING OR COOLING AIR IN EXCESS OF 2000 CUBIC FEET PER MINUTE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF. AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE OF THE AIR MOVING EQUIPMENT DEVICES WHICH WILL DETECT PRODUCTS OF COMBUSTION OTHER THAN HEAT, AND WHICH COMPLY WITH THE BUILDING CODE, SHALL BE LABELED BY AN APPROVED AGENCY FOR AIR DUCT INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SUCH DEVICES SHALL BE COMPATIBLE WITH THE OPERATING VELOCITIES, PRESSURES, TEMPERATURES AND HUMIDITIES OF THE SYSTEM WHERE FIRE DETECTION OR ALARM SYSTEMS ARE PROVIDED FOR THE BUILDING, SMOKE DETECTORS SHALL BE SUPERVISED BY SUCH SYSTEMS.
- 1. MECHANICAL CONTRACTOR SHALL BE ON SITE AND PRESENT AT THE DATE OF PROJECT TURNOVER.

	AIR DEVICE SCHEDULE										
MARK	PICTURE	FACE SIZE	TYPE	MOUNTING TYPE	MAXIMUM N.C.	DIRECTION	MANUFACTURER	MODEL	NOTES		
GD		12x12	SUPPLY	SURFACE	30	4-WAY	TITUS	OMNI	1,3,4		
KD		24x24	SUPPLY	LAY-IN	30	1-WAY	TITUS	PAS	1,2,4,5		
SD		10x6	SUPPLY	SURFACE/DUCT	30	2-WAY	TITUS	301RS	1,2		
KR		24x24	RETURN	LAY-IN	30	1-WAY	TITUS	PAR	1,2		
SR		20X16	RETURN	DUCT	30	1-WAY	TITUS	350RL	1,2		

NOTES: (NOT ALL MAY APPLY)

PROVIDE NECESSARY MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED FOR INTENDED INSTALLATION.

OF SIGHT. REFER TO ARCHITECTURAL PLANS FOR PROPOSED COLOR/ FINISH.

- 2. AIR DEVICE(S) SHALL BE FACTORY FINISHED WHITE.
- 3. AIR DEVICE(S) SHALL BE FIELD PAINTED, BOTH EXTERIOR AND INTERIOR COMPONENTS VISIBLE FROM THE GUEST LINE
- 4. AIR DEVICE(S) SHALL BE INSTALLED WITH MANUFACTURER AVAILABLE MOLDED INSULATION BACKING, FIELD FABRICATED INSULATION BACKING IS NOT ALLOWED (UNLESS FIRST APPROVED BY THE OWNER'S CONSTRUCTION MANAGER).
- 5. AIR DEVICE SHALL BE INSTALLED WITHOUT PATTERN CONTROLLERS, FOR VERTICAL 'DUMP' ARRANGEMENT.

	DUCTLESS SPLIT SYSTEM SCHEDULE										
MARK	MAKE/ MODEL	RATED CAPACITY (BTU/H)	SEER	CFM	VOLTS/PH/HZ	MCA/MOCP	DIMENSIONS (W,D,H)	WEIGHT (LBS)	NOTES		
AC-1	MR. SLIM/ PKA-A24KA4	24,000	17	705	208/1/60	1.0/15	46x15x12	21	1,2,3,4		
MARK	MAKE/ MODEL	COMPRESSOR	REFRIGERANT TYPE	_	VOLTS/PH/HZ	MCA/MOCP	DIMENSIONS (W,D,H)	WEIGHT (LBS)	NOTES		
HP-1	MR. SLIM/ PUZ-A24NHA4	DC INVERTER/ TWIN ROTARY	R410A	-	208/1/60	18.0/30	37x13x37	165	1,2		

NOTES: (NOT ALL MAY APPLY)

MARK

TEF-2

KEF-1

NOTES: (NOT ALL MAY APPLY)

- . MAXIMUM REFRIGERANT PIPE LENGTH IS 100'-0".
- 3. THE INDOOR UNIT RECEIVES POWER FROM THE OUTDOOR UNIT THROUGH FIELD SUPPLIED INTERCONNECTED WIRING. COORDINATE THE
- PROVIDE INTERNAL CONDENSATE PUMP WHERE REQUIRED.

DUCTLESS SPLIT SYSTEM SCHEDULE										
MARK	MAKE/ MODEL	RATED CAPACITY (BTU/H)	SEER	CFM	VOLTS/PH/HZ	MCA/MOCP	DIMENSIONS (W,D,H)	WEIGHT (LBS)	NOTES	
AC-1	MR. SLIM/ PKA-A24KA4	24,000	17	705	208/1/60	1.0/15	46x15x12	21	1,2,3,4	
MARK	MAKE/ MODEL	COMPRESSOR	REFRIGERANT TYPE	-	VOLTS/PH/HZ	MCA/MOCP	DIMENSIONS (W,D,H)	WEIGHT (LBS)	NOTES	
HP-1	MR. SLIM/ PUZ-A24NHA4	DC INVERTER/ TWIN ROTARY	R410A	_	208/1/60	18.0/30	37x13x37	165	1,2	
TES (NOT ALL	TS: (NOT ALL MAY APPLY)									

FAN SCHEDULE

VOLTS/ PH MANUFACTURER

CAPTIVEAIRE

CAPTIVEAIRE

CAPTIVEAIRE A2-G15

115/1

208/3

208/3

208/3

MODEL

NCA10FA

NCA16FA

8. GAS INPUT: 251.5 MBH.

LOREN COOK GC 144 CEILING CABINET FAN

ROOF UPBLAST FAN

ROOF UPBLAST FAN

ROOF SUPPLY FAN

6. FURNISHED WITH KITCHEN HOOD PACKAGE, INSTALLED BY M.C.

7. FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.

5. PROVIDE FACTORY AVAILABLE GREASE BOX.

MOTOR

0.50

1.50

1100 | 98 W

879 2.00

- 1. PROVIDE NECESSARY MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED FOR THE INTENDED INSTALLATION.
- COMPLETE INSTALLATION WITH THE ELECTRICAL CONTRACTOR.

1/18/13 PERMIT ISSUE

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ELEVATION FRANCHISE VENTURES

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11/18/2013

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SHEET TITLE:

MECHANICAL SCHEDULES

SHEET NUMBER:

PROJECT NUMBER:

EVB130001