	FAN SCHEDULE													
MARK	MARK MANUFACTURED MODEL OFM ESP TYPE FAN DRIVE ACCESSORIES ELECTRICAL													
NO.	MANUFACTURER	NO.	CFM	IN W.G.	TYPE	SIZE	RPM	DRIVE	ACCESSORIES	VOLT	ø	HZ	HP/W	REMARKS
EF-1	BY KEC	-	600	.25	ROOF	_	1148	-	-	208	1	60	1/3	NOTE 2,3
EF-2	BY KEC	-	700	.85	ROOF	-	1336	-	-	208	1	60	1/2	NOTE 2,3
3	соок	GC-182	200	.25	CEILING	-	1400	D	-	120	1	60	185 W	NOTE 1

- PROVIDE CEILING FANS WITH CEILING GRILLE, DISCONNECT SWITCH, HANGER HARDWARE, BACKDRAFT DAMPER, UNIT MOUNTED VARIABLE SPEED SWITCH, WALL OR ROOF CAP, FLEX CONNECTOR, SWITCH WITH LIGHTS.
- 2. MAKE-UP AIR UNIT, KITCHEN HOOD AND HOOD EF PROVIDED BY THE KEC AS A PACKAGED SYSTEM. SEE CAPTIVEAIR DRAWINGS. MC SHALL INSTALL SYSTEMS PER MANUFACTURES INSTRUCTIONS.
- 3. INTERLOCK TO OPERATE WHENEVER KITCHEN APPLIANCES ARE IN OPERATION. SEE CAPTIVEAIR DRAWINGS FOR CONTROL DIAGRAMS.

,	WATER HA	MMER	ARRE	STOR SCHE	EDULE
MARK NO.	MANUFACTURER	MODEL NO.	PDI UNIT RATING	FIXTURE UNIT CAPACITY	REMARKS
AA	SIOUX CHIEF	660 SERIES	AA	4 (SINGLE FIXT)	Х
Ą	SIOUX CHIEF	652	А	1 - 11	X
P	SIOUX CHIEF	653	В	12 - 32	Х
Ç	SIOUX CHIEF	654	С	33 - 60	Х
P	SIOUX CHIEF	655	D	61 - 113	X
X	X	Х	×	×	X
NOTES:					

INSTALL IN AN ACCESSIBLE LOCATION IN ACCORDANCE WITH THE PLUMBING CODE.

		DET E	XPANSIOI	N TAN	< sc	HEDULE		
MARK NO.	MANUFACTURER	MODEL NO.	TYPE ARRANGEMENT	CAPACITY (GAL)	ASME	MAX WORKING PRESSURE (PSIG)	MAX OPERATING TEMP (°F)	REMARKS
1	ELBI	DTS-45	-	2.1	Z	150	210	1
NOTES								

1. PROVIDE POLYPROPYLENE LINED BLADDER TYPE EXPANSION TANK WITH BUTYL RUBBER DIAPHRAGM, AIR CHARGE & SYSTEM CONNECTION FITTING, MOUNING HARDWARE.

								<u> </u>	RTU RC	OFT	OP UN	NIT S	CHED	ULE	(GA	S-F	IRED)	•														
MAR	NK								SUPPLY								COOLIN	1G						HEATIN	G		ELE	CTRIC	SAL			
NO		MANUFACTURER	MODEL NO.	ARRANGEMENT	DISCHARGE	CFM	MIN. O.A.	EXT. S.P. IN. W.G.	FAN TYPE	FAN SIZE	RPM	EVAP. HP	AMBIENT ° F	EDB °F	EWB °F	LDB °F	LWB TO	OTAL S	SENS. MBH	MAX FPM	STAGES	UNIT EER	INPUT MBH	OUTPUT MBH	STAGES	VOLT	ø	HZ	MCA	MOCP	WEIGHT	REMARKS
1	ROOF	LENNOX	KGB06054D	HORIZ.	DOWN	1700	235	0.6	-	-	-	0.75	95	80	67	56.8	55.1 5	59.1	39.6	-	1	11.8	108	86	1	208	3	60	24	35	821	1-4
2	ROOF	LENNOX	KGB10254M	HORIZ.	DOWN	3400	635	1.0	-	-	958	2.0	95	80	67	61.2	57.9 9	93.3	64.4	-	2	11.0	108	86	2	208	3	60	40	50	1072	1-4

1. SEE "OUTSIDE AIR SUMMARY" FOR OUTSIDE AIR CALCULATION (2018 IMC).

2. EXTERNAL STATIC PRESSURE INCLUDES ALL LOSSES EXTERNAL TO UNIT CASING.

3. PROVIDE WITH ADJUSTABLE OUTSIDE AIR INTAKE, PROGRAMMABLE NIGHT SET BACK THERMOSTAT/SENSOR, 5 YR. COMPRESSOR WARRANTY, 10 YR. HEAT EXCHANGER WARRANTY, COIL HAIL GUARDS, HINGED ACCESS DOORS OR REMOVABLE PANELS, 2" THROWAWAY FILTERS, FACTORY DISCONNECT, RETURN AIR SMOKE DETECTORS.

4. POWER WIRING & SMOKE DETECTOR INTERFACE WITH FIRE ALARM BY ELECTRICAL CONTRACTOR.

CAP	CAPTIVEAIRE MAKE-UP AIR UNIT SCHEDULE (DX COOLING/NG HEATING)																				
		"MFR"	0514	ESP	SENS. COOLING	TOTAL COOLING	EV	AP.	GAS H	EATING				ELECTRIC	CAL DAT	ΓΑ				OPER	
UNIT	LOCATION	MODEL NO.	CFM	(IN. W.G.)	CAP (MBH)	CAP. (MBH)	EDB (°F)	EWB (°F)	INPUT (MBH)	OUTPUT (MBH)	GAS PRESSURE (PSI)	EAT	°F RISE	VOLT/PHASE	SUPPL HP	Y FAN	NO	. 1	NG UNIT NO. 2 MCA MO		REMARKS
MAU-1	ROOF	BY KEC	1040	.25	-	-	-	-	75.6	69.6	7''WC	0°	65	208/1	1.0	6.9	-	-		482	1,2

NOTES:

1. MAKE-UP AIR UNIT, KITCHEN HOOD AND HOOD EF PROVIDED BY THE KEC AS A PACKAGED SYSTEM. SEE CAPTIVEAIR DRAWINGS. MC SHALL INSTALL SYSTEMS PER MANUFACTURES INSTRUCTIONS.

2. INTERLOCK TO OPERATE WHENEVER KITCHEN APPLIANCES ARE IN OPERATION. SEE CAPTIVEAIR DRAWINGS FOR CONTROL DIAGRAMS.

	HIGH EFFICIENCY WATER HEATER SCHEDULE (GAS-FIRED)																			
MADIZ		MODEL				STORAGE	DECOVEDA	MINI ELOW	TEMP RISE	INII ET	DISCH			GAS		EL	ECTR	ICAL		
MARK NO.	MANUFACTURER	NO.	TYPE	TANK	ASME	(GALLONS)		GPM	°F	°F	°F	MBH INPUT	MBH OUTPUT	EFFICIENCY	TURNDOWN	VOLT	Ø	HZ	HP	REMARKS
1	LOCHNIVAR	SNR126-065	-	Υ	N	65	145	-	100	50	120	125	-	95	-	120	1	60	-	1

NOTES:

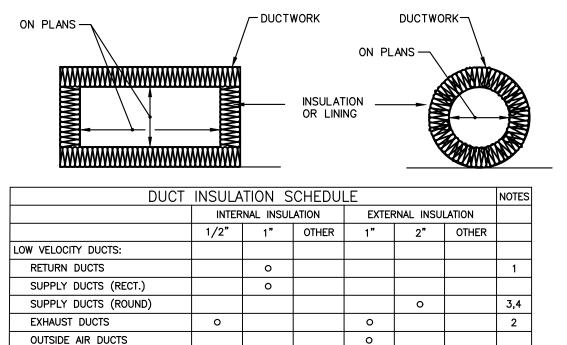
WATER HEATER PROVIDED BY KEC, INSTALLED BY PC. UNITS SHALL BE PROVIDED WITH GLASS LINED STEEL TANK, MAGNESIUM ANNODE RODS, ASME P&T VALVES, ASME CONSTRUCTION, CPVC VENT WITH CONCENTRIC SIDEWALL VENTING KIT, MODULATING BURNER (120V POWER REQUIRED), DIRECT SPARK IGNITION AND 3-YEAR LIMITED WARRANTY. PROVIDE CONDENSATE DRAIN WITH CONDENSATE NEUTRALIZATION KIT.

	AIR BALANCE SCHEDULE													
PLAN MARK	AREA SERVED	OUTSIDE AIR CFM	EXHAUST AIR CFM	NOTES										
RTU-1	C-STORE	330												
RTU-2	C-STORE	330												
MAU-1		1040												
EF-1	HOOD #1		600											
EF-2	HOOD #2		700											
EF-1	RESTROOM (2)		400											
	SUBTOTAL	1700	1700											

1. OUTSIDE AIR CFM INDICATED FOR OPERATION IN CONJUNCTION WITH TYPE 1 HOOD EXHAUST AND MAKE-UP AIR SYSTEM. CFM MAY REVERT TO MINIMUM OA AS CALCULATED IN "OA CALCULATION" WHEN THESE SYSTEMS ARE OFF.

FIXTURE BI	RANC	CH SC	CHED	ULE
FIXTURE	WASTE	VENT	COLD	нот
Water Closet (ft)	4"	2"	?"	
Water Closet (fv)	4"	2"	1"	
Urinal	2"	1 ?"	3/4"	
Lavatory	1 ?"	1 ?"	?"	?"
Sink	2"	1 ?"	?"	?"
Triple Sink	2"	1 ?"	(2) ?"	(2) ?"
Shower, Tub	2"	1 ?"	?"	?"
Water Fountain	1 ?"	1 ?"	?"	
Janitor Sink (flr)	3"	2"	3/4"	3/4"
Janitor Sink (wall)	2"	1 ?"	?"	?
Floor Drain	2"	1 ?"		
Floor Sink	3"	2"		
Eqpt Floor Drain	3"	2"		
Hub Drain	2"	1 ?"		
Dishwasher	2"	1 ?"		?"
Washer Box	2"	1 ?"	?"	?"
lce Maker			?"	
FPWH, HB			3/4"	

- 1. Minimum waste or vent size below slab on
- grade shall be 2". 2. Size as shown on drawings and diagrams, but not less than listed.
- DIFFUSER SCHEDULE MODEL | FACE SIZE MANUFACTURER MOUNTING REMARKS NO. NO. (INCHES) TITUS 1,2,3 TMS 24x24 LAY-IN TITUS TMS 12×12 SURFACE 1,2,3 TITUS PAR 12x24 LAY-IN 1,2 TITUS PAR 24x24 LAY-IN 1,2 TITUS S300FL DUCT 1,2,4 TITUS TMRA SURFACE 1,2,4
- 1. SEE THE PLANS FOR NECK SIZE.
- 2. COLOR PER ARCHITECT.
- 3. PROVIDE DAMPER AT DUCT TAKE-OFF EXCEPT PROVIDE GRILLE MOUNTED DAMPER ABOVE INACCESSIBLE CEILINGS.
- 4. PROVIDE WITH DAMPER OR EXTRACTOR IF REQUIRED FOR BALANCING.



FLAT OVAL SUPPLY 0 NOTES: INSULATION SHALL BE INSTALLED WHEN INDICATED OTHERWISE IN THE CONSTRUCTION DOCUMENTS. OTHERWISE, NO INSULATION IS REQUIRED.

RELIEF DUCTS

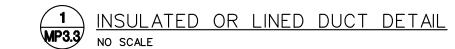
ROUND SUPPLY

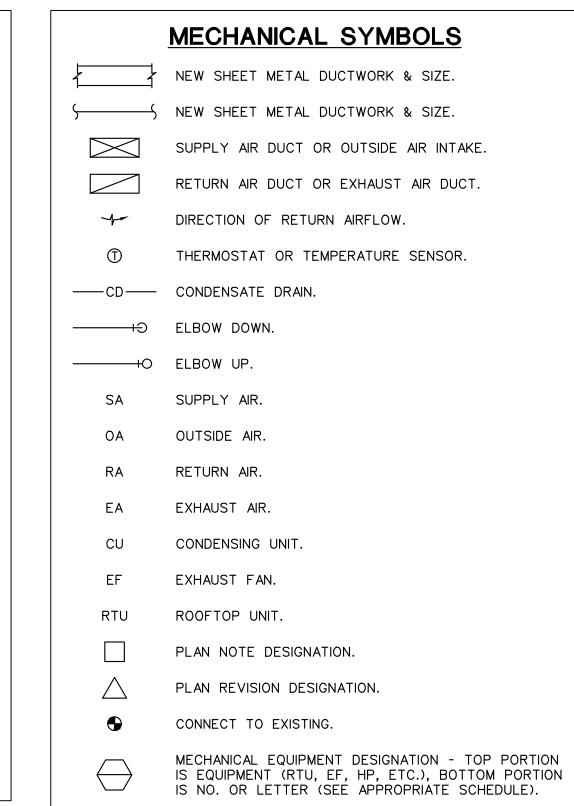
MEDIUM/HIGH VELOCITY DUCTS:

- 2. INSULATION IS REQUIRED WITHIN 6'-0" OF TERMINATION POINT OF EXHAUST AIR. RECTANGULAR DUCTS SHALL BE LINED, ROUND DUCTS SHALL BE WRAPPED.
- 3. CONCEALED ROUND SUPPLY AIR DUCTS AND ROUND SUPPLY AIR DUCTS IN UNCONDITIONED SPACES SHALL BE INSULATED AS INDICATED AND SHALL INCLUDE A VAPOR BARRIER TO PREVENT CONDENSATION FROM FORMING ON COLD METAL SURFACES. NO INSULATION IS REQUIRED FOR ROUND SUPPLY AIR DUCT EXPOSED IN CONDITIONED SPACES UNLESS INDICATED OTHERWISE.
- USED WHERE ROUND SUPPLY AIR DUCTS ARE REQUIRED TO BE INSULATED. DOUBLE WALL DUCT SHALL BE LINX LINDLAB SPIRO-SAFE SPIRAL LOCKSEAM DUCTWORK. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

4. AT CONTRACTORS OPTION, GALVANIZED STEEL ROUND DOUBLE WALL DUCT MAY BE

5. AT CONTRACTOR'S OPTION, ROUND DUCT LINER MAY BE USED WHERE ROUND SUPPLY AIR DUCTS ARE REQUIRED TO BE INSULATED. DUCT LINER SHALL BE JOHNS MANVILLE SPIRACOUSTIC PLUS, OR APPROVED EQUAL, 1.5" THICK (R6.4). SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.







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JOB NO.: **20001G** DATE: **01/16/2020 REVISIONS:** OWNER REVISIONS 4 07/28/2020

573-365-2100

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DESIGNED BY: GEG DRAWN BY: CHECKED BY: GEG

SHEET NO.