PACKAGED GAS HEATING / ELECTRIC COOLING ROOFTOP UNIT SCHEDULE

ITEM			IINAL ARI	BLOWER SECTION				COOLING CAPACITY HEATING CAP.			ELECTRICAL DATA					AREA SERVING	UNIT WEIGHT	REMARKS					
TAG	MODEL NUMBER	TONS	SEER/EER	SUPPLY CFM	MIN. O.A. CFM	ESP	ВНР	REFRIG. TYPE	REFRIG. LBS	SENS. MBH	TOTAL MBH	INPUT MBH	OUTPUT MBH	VOLT-PH-HZ	COMP. R.L.A.	COND. F.L.A.	EVAP. F.L.A.	INT. C.O.	MCA	МОСР	AREA SERVING	(LBS)	REMARKS
RT-1	"CARRIER" #48TC-D14	12.5	10.8	5000	1250	0.50"	3.97 (HIGH)	R-410A	15.38	103.6	148.9	250 200	200	208-3-60	19.0 22.4	6.2	15.0	NO	68.2	80	SEE PLAN	1360	1 TO 16
RT-2	"CARRIER" #48TC-D14	12.5	10.8	5000	1250	0.50"	3.97 (HIGH)	R-410A	15.38	103.6	148.9	250 200	200	208-3-60	19.0 22.4	6.2	15.0	NO	68.2	80	SEE PLAN	1360	1 TO 16
RT-3	"CARRIER" #48TC-D08	7.5	11.0	3000	750	0.50"	1.64 (STD)	R-410A	8.75	68.0	90.9	224 180	184	208-3-60	13.6 13.6	(2) 1.5	5.2	NO	38.8	50	SEE PLAN	1110	1 TO 15

REMARKS:

- VERIFY EXACT VOLTAGE IN THE FIELD AND WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING. MAINTAIN MANUFACTURE'S RECOMMENDED SERVICE CLEARANCES.

 OUTSIDE AIR INTAKE SHALL BE A MINIMUM OF 10'-0" AWAY FROM ANY EXHAUST DISCHARGE.
- PROVIDE PREFABRICATED INSULATED FULL PERIMETER ROOF CURB LEVELED 14" HIGH.
 PROVIDE FLEXIBLE CANVAS CONNECTIONS AT SUPPLY AND RETURN DUCT CONNECTIONS.
 PROVIDE GAS PIPING, UNION, GAS COCK AND DIRT LEG CONNECTIONS TO UNIT.
 PROVIDE FILTER TRAY WITH 2" THICK THROW AWAY FILTERS.

- 7. PROVIDE FILTER TRAY WITH 2 THICK THROW AWAY FILTERS.
 8. PROVIDE BELT DRIVE EVAPORATOR FAN MOTOR. PROVIDE FIELD SUPPLIED DRIVE AS REQUIRED.
 9. PROVIDE 7-DAY FULLY PROGRAMMABLE WALL MOUNTED HEATING/COOLING/FAN THERMOSTAT WITH OCCUPIED/UNOCCUPIED MODES.
 10. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL FIELD MOUNTED DISCONNECT SWITCH. DISCONNECT SHALL NOT BE MOUNTED ON UNIT NAMEPLATE.
 11. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL CONVENIENCE OUTLETS. REFER TO ELECTRICAL PLANS FOR LOCATIONS OF OUTLETS.
 12. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A RETURN DUCT MOUNTED BY ENERGY AND DOWED EVALUATED INTERLOCK ECONOMIZED WITH THERMOST.
- 13. PROVIDE ULTRA LOW LEAK FULLY MODULATING MOTORIZED ECONOMIZER WITH ENTHALPY SENSORS AND POWER EXHAUSTER. INTERLOCK ECONOMIZER WITH THERMOSTAT OCCUPIED /UNOCCUPIED SETTING WITH FDD. ECONOMIZER DAMPER SHALL CLOSE WHEN THERMOSTAT IS IN UNOCCUPIED MODE. 14. PROVIDE FACTORY CO2 DETECTION SYSTEM WHICH AUTOMATICALLY MODULATES ECONOMIZER FROM MINIMUM OCCUPIED POSITION TO FULL CODE OUTSIDE AIR SETTING.
- 15. PROVIDE FULL PERIMETER VIBROCURB. 16. PROVIDE FIELD VERIFIED ADAPTIVE CURB.

	AIR DEVICE SCHEDULE									
ITEM TAG	MANUFACTURER AND MODEL NUMBER	TYPE	DESCRIPTION	REMARKS						
A	"TITUS" #OMNI	24"x24" LAYIN DIFFUSER	PLAQUE FACE SUPPLY CEILING DIFFUSER	1, 2, 3						
B	"TITUS" #PAR	24"x24" LAYIN RETURN	PERFORATED RETURN CEILING DIFFUSER FOR DUCTED RETURN	1, 2, 3						
©	"TITUS" #300RS	SUPPLY REGISTER	DOUBLE DEFLECTION ADJUSTABLE BLADE, STEEL	1, 2, 3						
(b)	"TITUS" #350RL	RETURN / EXHAUST GRILLE	SINGLE DEFLECTION ANGLED FIXED 35 DEG BLADE, STEEL	1, 2, 3						
E	"TITUS" #US300FS	SPIRAL DUCT MOUNTED GRILLE	DOUBLE DEFLECTION ADJUSTABLE BLADE WITH AIR SCOOP DAMPER/EXTRACTOR	-						

EXISTING ROOF TOP UNIT

EXISTING ROOFTOP UNIT TO REMAIN. MECHANICAL CONTRACTOR SHALL INSPECT AND RECONDITION UNITS TO "LIKE NEW" CONDITION; INCLUDING, BUT NOT LIMITED TO, REPLACE BELTS AND FILTERS, CHARGE DX SYSTEM, AND REBALANCE SYSTEM TO QUANTITIES SHOWN ON DRAWING. CONTRACTOR SHALL REPORT ANY DEFICIENCIES TO OWNER. CONTRACTOR SHALL INSPECT AND REPLACE EXISTING THERMOSTATS IF REQUIRED. REBALANCE OUTSIDE AIR INTAKE TO MINIMUM CFM SHOWN ON PLANS. FURNISH AND INSTALL MATCHING ECONOMIZER WITH POWER EXHAUST. "CARRIER" MODEL # 4 TONS, 1600 CFM

PROVIDE OPPOSED BLADE DAMPERS.
PROVIDE ADAPTER BOOTS AND INSULATED PLENUM BOXES AS REQUIRED. 3. PROVIDE MATTE WHITE FINISH IN LAY-IN AND DRYWALL AREAS. COORDINATE FINISH WITH ARCHITECT.

FYHALIST FAN SCHEDLILF

	EXHAUST FAIN SCHEDULE													
ITEM	MANUFACTURER AND MODEL NUMBER	QTY	CFM	ESD	SONES	ELEC.	TRICAL DATA	A	CONTROLLED VIA	DAMPER TYPE	AREA SERVING	UNIT WEIGHT	REMARKS	
TAG		QIT	СРМ	ESP		VOLT-PH-HZ	HP OR NOTED	RPM	CONTROLLED VIA	DAMPER TIPE	AREA SERVING	(LBS)		
TEF-1	"BROAN" #QTXE110	~	110	0.10"	0.7	120-1-60	0.40 AMPS		LIGHT SWITCH	BACKDRAFT		12	<u>-</u>	
EF-1	"BROAN" #QTXE110	1	110	0.10"	0.7	120-1-60	0.40 AMPS	1	LIGHT SWITCH	BACKDRAFT	KITCHEN	12	-	
REMARKS.	·									·				

VERIFY EXACT VOLTAGE PRIOR TO ORDERING EQUIPMENT.

SIZE

ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCH AND LINE WIRING.
PROVIDE HOODED WALL CAP, BRICK VENT, PITCHED ROOF CAP, OR FLAT ROOF CAP AS REQUIRED.
PROVIDE FULL PERIMETER INSULATED ROOF CURB WITH BIRDSCREEN.

PROVIDE VENTED HINGED ROOF CURB WITH BIRDSCREEN. FAN SHALL DISCHARGE 40" ABOVE ROOF.

-SUPPORT DUCTWORK PER SMACNA DUCT

-SPIN-IN FITTING WITH SCOOP AND

LOCKING BALANCING DAMPER.

MINIMUM RADIUS EQUAL TO /

STICK-PINS AT 18" O.C. AND

DETAIL - DUCTWORK TAKE-OFF
SCALE: NONE

FLEX DUCT DIAMETER

LINED WITH FIBER INSULATION WHERE SPECIFIED.

ADHESIVE ON BOTTOM FOR DUCTS 24" AND LARGER

SECURE INSULATION WITH

WRAP INSULATION WHERE SPECIFIED. OVERLAP

MIN. 4", STAPLE AND TAPE FOR VAPOR SEAL.

					VE	NTILATION SCH	IEDULE						
ROOM	ROOM NAME OCCUPANCY	ROOM AREA	NUMBER OF OCCUPANTS		BLE EMENTS	REQUIRED VENTILA		ACTUAL S	SPACE VE	NTILATION	SERV	ED BY	REMARKS
TAG	CLASSIFICATION	(SQFT)	OR FIXTURES	(CFM / OCC.)	(CFM / SQFT)	O.A. (CFM)	EXHAUST (CFM)	SUPPLY (CFM)	O.A. (CFM)	EXHAUST (CFM)	SUPPLY	EXHAUST	
101	Vestibule	120	0	5	0.06	9	NR	100	30		RT-2	RT-2	
113	School Age Room	885	25	10	0.18	512	NR	2000	600		RT-2	RT-2	
114	Pre-K Room	820	20	10	0.18	435	NR	2000	600		RT-2	RT-2	
	Toilet	50	1	75	0	0	75	NR	NR	110	NR	TEF-1	
102	Reception Corr	1140	2	5	0.06	98	NR	750	225				
103	Office	120	1	5	0.06	15	NR	150	45				
								5000					
110	Motorroom	1640~	~~~18~~~~	~~ 10 ~~	~0.18~	~~~5 94 ~~~	~~NR~~	~~2200~~	~660~		~~RI3~~	~RT3~	
104	Kitchen	350	3	7.5	0.18	107	NR	400	110		RT-3	RT-3,EF-1	
1102	Laundry	11501	- I	25	mou	water	NR	~~300~~	<u>9</u> 0		VRT3VV	LURTS.	
125	Dry Storage	90	0	5	0.06	7	NR	50	15		RT-3	RT-3	
	Dry Storage	90	0	5	0.06	7	NR	50	15		RT-3	RT-3	
	, ,							3000					
116	Sunset Scouts	675	16	10	0.18	352	NR	1400	420		RT-1	RT-1	
110	Toilet	50	1	75	0.10	0	75	NR	NR	110	NR	TEF-1	
120	Growing Group	816	15	10	0.18	371	NR	1600	480	110	RT-1	RT-1	
120	Toilet	50	1	75	0.10	0	75	NR	NR	110	NR	TEF-1	
118	Rocking Robins	750	20	10	0.18	419	NR	2000	600	110	RT-1	RT-1	
110	Trocking Probins	700	20	10	0.10	410	T NIX	5000	000		101	1011	
400	Duny Dahim	883	16	40	0.40	200	ND	1600	480		VDT 4	VDT 4	
122	Busy Behive Toilet	50	10	10 75	0.18	399	NR 75		NR	110	XRT-4 NR	XRT-4 TEF-1	
	Tollet	00	1	/5	0	0	/5	NR 1600	INK	110	INK	IEF-I	

LEXIBLE DUCT MAXIMUM

5'-0". SHALL NOT SAG

-SUPPORT TO PREVENT SAGS AND KINKS.

THREE SHEET METAL

CLAMP AND TAPE.

SCREWS THRU HELIX OF

FLEXIBLE DUCT, BAND

VERTICAL DUCT RUN INTO

MECHANICAL GENERAL NOTES

FRESH AIR INTAKES OF THE NEW MECHANICAL UNITS SHALL BE A MINIMUM OF 10 FEET FROM ANY BUILDING STACK OR EXHAUST TERMINAL. 2. THE TERMINATION POINT OF EXHAUST OUTLETS AND DUCTS DISCHARGING TO THE OUTDOORS SHALL BE LOCATED A MINIMUM 10 FEET FROM OPERABLE OPENINGS

ALL ROOFTOP EQUIPMENT LOCATIONS SHALL BE COORDINATED WITH ROOF

DRAINS. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR EXACT LOCATIONS OF EQUIPMENT.

INTO BUILDINGS. (SECTION 501.3.1(2))

2. THE INSTALLING CONTRACTOR SHALL PROVIDE ROOF CURBS AND LEVELING CURBS TO MATCH THE ROOF PITCH IF REQUIRED. THE ROOFING CONTRACTOR SHALL FLASH ALL CURBS INTO ROOF. ALL STRUCTURAL DUCT OPENINGS SHALL BE APPROVED BY THE STRUCTURAL

ENGINEER PRIOR TO CUTTING. INDICATE ON 1/4" SHOP DRAWINGS EXACT

MECHANICAL ROOF NOTES

- LOCATION OF OPENINGS COORDINATED WITH STRUCTURAL TRADES. PROVIDE DUCT ROOF CURBS AT ALL DUCT PENETRATIONS THRU ROOF. ALL VENTS AND EXHAUSTS SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKES PER LOCAL CODES. PLUMBING VENTS SHALL BE A
- MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKE. EXTEND TERMINATION HEIGHT TO PROVIDE A 12'-0" CROSS SECTION CLEARANCE FROM PLUMBING VENTS ALL ROOFTOP EQUIPMENT SHALL BE SET ON EQUIPMENT CURBS OR RAILS. ALL
- PIPE AND DUCT PENETRATIONS THROUGH THE ROOF SHALL HAVE A WEATHERPROOF CURB OR FLASHING. ALL ROOF FLASHING SHALL BE PERFORMED BY THE ROOFING CONTRACTOR.
- OVIDE A GAS SHUT-OFF VALVE, UNION, AND MIN. 6" DIRT LEG AT ALL ROOFTOP UNITS PROVIDE A CONDENSATE P-TRAP AT ALL ROOFTOP UNITS.
- THE MECHANICAL CONTRACTOR SHALL INSTALL ALL GAS PIPING SHOWN ON THIS PLAN. ALL GAS PIPING ROUTED ACROSS ROOF SHALL BE SUPPORTED BY ROOF SUPPORTS 10'-0" ON CENTER MAXIMUM. GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL, ASTM A53 MALLEABLE IRON OR FORGED STEEL WELDING TYPE. ALL GAS PIPING SHALL BE INSTALLED PER A.G.A. REQUIREMENTS ALL GAS PIPING SHOWN IS SIZED AT LOW PRESSURE.
- 8. ALL GAS PIPING EXPOSED TO THE OUTDOORS SHALL BE CLEANED AND PAINTED BLACK FOR CORROSION PROTECTION PER IMC 1303.21

MECHANICAL SPECIFICATIONS

- THE MECHANICAL CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL EXISTING CONDITIONS IN FIELD AND INCLUDE IN THEIR BID ALL REQUIRED CHANGES TO PROVIDE A COMPLETE OPERATING SYSTEM.
- THIS CONTRACTOR SHALL FURNISH AND INSTALL MATERIAL INDICATED ON DRAWINGS AND AS REQUIRED TO PROVIDE A COMPLETE AND SATISFACTORY OPERATING INSTALLATION.
- ALL MATERIALS SHALL BE NEW AND OF STANDARD QUALITY UNLESS OTHERWISE NOTED; NO REJECTS. ALL MATERIALS FOR WHICH AN UNDERWRITER'S LABORATORY STANDARD EXISTS SHALL BEAR A U.L. LABEL. PROTECT ALL EQUIPMENT AND WORK FROM DAMAGE DUE TO ANY CAUSE.
- ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE NATIONAL, STATE AND LOCAL CODES AND REGULATIONS GOVERNING THE INSTALLATION OF THE WORK INVOLVED. ALL PERMITS FOR THE INSTALLATION OF THE WORK AND ALL INSPECTIONS OF SAME SHALL BE ARRANGED FOR BY THIS CONTRACTOR. ALL FEES AND ASSESSMENTS IN CONNECTION THEREWITH SHALL BE PAID BY THIS CONTRACTOR, THE COST OF WHICH SHALL BE INCLUDED IN THEIR BID.
- THE GENERAL CONDITIONS AND SPECIAL CONDITIONS ISSUED BY THE OWNER AND/OR ARCHITECT SHALL GOVERN WHERE APPLICABLE. GENERAL CONDITIONS AND SPECIAL CONDITION REQUIREMENTS RELATED BUT NOT LIMITED TO THE FOLLOWING SHALL APPLY:
 - B. COMPLIANCE WITH THE OWNER'S REQUIREMENTS.
 - C. OBTAINING AND PAYING FOR REQUIRED LICENSES AND PERMITS. D. REPLACEMENT OF DAMAGED SYSTEM EQUIPMENT, AND/OR BUILDING DUE TO NEW INSTALLATIONS.
 - E. COMPLIANCE WITH ALL STATE AND LOCAL CODES AND ORDINANCES. F. WORKMAN'S COMPENSATION INSURANCE, PUBLIC LIABILITY INSURANCE.
 - THE ENTIRE INSTALLATION SHALL BE PERFORMED IN A FIRST-CLASS WORKMANLIKE MANNER. THE COMPLETE SYSTEM SHALL BE FULLY OPERATIONAL AND ACCEPTANCE BY THE OWNER SHALL BE A CONDITION OF THE CONTRACT.
- TO THE BUILDING CONSTRUCTION, AS HIGH AS POSSIBLE. 8. THIS CONTRACTOR SHALL INCLUDE ALL MISCELLANEOUS ITEMS REQUIRED TO COMPLETE THE WORK INCLUDING MOVING AND RIGGING OF MATERIAL AND EQUIPMENT, HANGERS, SUPPORTS,

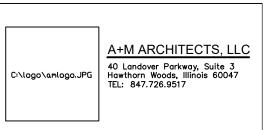
NEW DUCTWORK AND PIPING SHALL RUN IN STRAIGHT LINES PARALLEL AND/OR PERPENDICULAR

- STRUCTURAL FRAMING CHANGES, FITTINGS AND SLEEVES. ALL MATERIAL, WORKMANSHIP AND EQUIPMENT SHALL BE GUARANTEED FOR ONE YEAR AFTER SYSTEM ACCEPTANCE. PROVIDE TYPEWRITTEN OPERATING INSTRUCTIONS, AND EQUIPMENT
- ALL SHEET METAL DUCTS SHALL BE ERECTED IN FIRST CLASS AND WORKMANLIKE MANNER TRUE TO THE DIMENSIONS INDICATED ON THE DRAWINGS, UNLESS OTHERWISE APPROVED, STRAIGHT AND SMOOTH ON THE INSIDE WITH NEATLY FINISHED AIRTIGHT JOINTS. ALL SLOP JOINTS SHALL BE MADE IN THE DIRECTION OF FLOW, AND UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL ELBOWS SHALL HAVE A CENTERLINE RADIUS EQUAL TO 1.5 TIMES THE WIDTH OF THE DUCT. THE SHEET METAL USED SHALL BE GALVANIZED IRON, EXCEPT AS HEREINAFTER SPECIFIED. THE THICKNESS OF THE SHEET METAL AND SIZE AND SPACING OF THE STIFFENERS USED SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARDS — METAL AND FLEXIBLE BOOK. CONSTRUCT DUCTWORK IN ACCORDANCE WITH THE REQUIREMENTS OF SMACNA AND CURRENT LOCAL CODES. ASHRAE GUIDE AND DATA BOOK "SCHEDULE OF RECOMMENDED CONSTRUCTION FOR LOW PRESSURE RECTANGULAR SHEET METAL DUCTS." ALL DUCTWORK SHALL COMPLY WITH ASHRAE AND SMACNA STANDARDS.
- ALL DUCTWORK TO BE SUPPORTED FROM BUILDING CONSTRUCTION WITH ROD HANGERS AND PROPERLY SIZED ANGLE IRON BOTTOM SUPPORTS. THE DUCTS SHALL BE SECURELY ANCHORED TO THE BUILDING IN AN APPROVED MANNER AND SHALL BE SO INSTALLED AS TO BE COMPLETELY FREE FROM VIBRATION UNDER ALL CONDITIONS OF OPERATION. THE DUCTS SHALL BE PROPERLY BRACED AND REINFORCED WITH STEEL ANGLES OR OTHER STRUCTURAL MEMBERS SPACED NOT MORE THAN 60" ON CENTERS. ALL SAGGING DUCTWORK WILL BE REMOVED AND REHUNG AS DIRECTED BY ENGINEER.
- 12. FLEXIBLE DUCTS AND CONNECTORS SHALL BE TESTED IN ACCORDANCE WITH UL 181 AND BE FLEXIBLE DUCTS AND CONNECTORS SHALL BE LIMITED TO A MAXIMUM LENGTH OF
- ALL DUCTWORK SHALL BE INSULATED AS FOLLOWS UNLESS OTHERWISE SPECIFIED ON THE DRAWNGS. COVERINGS AND LININGS, INCLUDING ADHESIVES, SHALL HAVE A FLAME—SPREAD INDEX NO MORE THAN 25 AND A SMOKE—DEVELOPED INDEX NOT MORE THAN 50, WHEN TESTED IN ACCORDANCE WITH ASTM E 84. ALL DUCTWORK LOCATED WITHIN AND SPACE THAT DOES NOT DIRECTLY COMMUNICATE WITH THE OUTDOORS, AND IS WITHIN THE BUILDING ENVELOPE SHALL BE CONSIDERED TO BE WITHIN A CONDITIONED SPACE.
 - CONDITIONED SPACES GLASS FIBER LINING WITH R-4 INSTALLED VALUE FOIL FACED DUCT WRAP WITH R-4 INSTALLED VALUE
 - *OUTSIDE AIR INTAKE DUCTWORK IN CONDITIONED SPACES SHALL BE WRAPPED WITH R-5 FOIL FACED DUCT WRAP.
 *EXPOSED SPIRAL DUCTWORK IN CONDITIONED SPACES NOT INSULATED

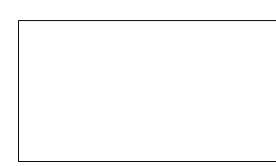
FOIL FACED DUCT WRAP WITH R-6 INSTALLED VALUE

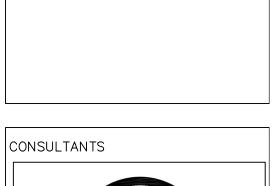
- UNCONDITIONED SPACE RECTANGULAR: GLASS FIBER LINING WITH R-6 INSTALLED VALUE OR FOIL FACED DUCT WRAP WITH R-6 INSTALLED VALUE.
- EXTERIOR DUCTWORK

 RIGID BOARD EXTERIOR INSULATION WITH R-8 INSTALLED VALUE
- SIMILAR TO "CERTAINTEED" COMMERCIAL BOARD WITH WEATHER PROOF ALUMINUM JACKET WRAP SIMILAR TO "VENTURE CLAD" #1577CW
- 14. ALL DUCTWORK DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS.
- 15. THE MECHANICAL CONTRACTOR SHALL SUBMIT (4) FOUR PRODUCT SHOP DRAWINGS FOR ALL NEW EQUIPMENT AND DUCT LAYOUT TO BE FURNISHED FOR ARCHITECT, OWNER, AND ENGINEER'S APPROVAL. CATALOG CUT SHEETS FOR ALL EQUIPMENT AND MATERIAL SHALL BE MADE AVAILABLE ON SITE. ALL EQUIPMENT AND APPLIANCES MUST BEAR LABEL INDICATING SUITABLE FOR USE. THE MECHANICAL CONTRACTOR SHALL SUBMIT THE MANUFACTURER'S INSTALLATION INSTRUCTIONS TO THE BUILDING OWNER, INCLUDING INSTALLATION FOR OUTSIDE INSTALLATION WHEN APPLICABLE.
- 16. THE EQUIPMENT SPECIFIED TO SET STANDARDS, INTENTION IS "OR EQUAL" IF APPROVED PRIOR TO BID DUE DATE.
- 17. THE MECHANICAL CONTRACTOR SHALL HIRE AN INDEPENDENT AND CERTIFIED TEST AND BALANCE CONTRACTOR TO BALANCE SYSTEM TO AIR QUANTITIES AS INDICATED ON PLANS, AND SHALL PROVIDE A TEST AND BALANCE REPORT TO BE SENT TO THE BUILDING DEPARTMENT NO LESS THAN THREE DAYS PRIOR TO FINAL INSPECTION. CONTRACTOR SHALL ALSO PROVIDE COPIES OF THE BALANCE REPORT TO THE OWNER, ARCHITECT, AND ENGINEER. REPORT SHALL ALSO INCLUDE FAN RPM AND PRESSURE INFORMATION.
- PROVIDE 7-DAY PROGRAMMABLE ELECTRONIC THERMOSTAT WITH 2 HOUR OVERRIDE, 10 HOUR BATTERY BACKUP, AUTOCHANGEOVER BETWEEN HEATING AND COOLING MODES, 5 DEGREE DEADBAND, DIGITAL READOUT, AND FAN AUTO/ON CONTROLS, THERMOSTAT SHALL BE MANUFACTURED BY HONEYWELL, WHITE-ROGERS OR APPROVED EQUAL. PROVIDE CLEAR PLASTIC LOCKING COVER WITH KEYS.
- MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL FIRE DAMPERS IN DUCTWORK AND FIRESTOP ALL PIPE PENETRATIONS THRU RATED FLOORS, CEILINGS AND WALLS. VERIFY LOCATIONS OF ALL RATED ASSEMBLIES WITH ARCHITECTURAL PLANS. FIRE DAMPERS SHALL BE IN ACCORDANCE WITH UL 555. ALL FIRE DAMPERS SHALL BE "TYPE B" OR "TYPE C" DAMPERS WITH STORED DAMPER OUT OF AIRSTREAM UNLESS OTHERWISE NOTED.
- ALL DUCT LAYOUTS, PIPING LAYOUTS, WRING LAYOUTS, ETC. ARE SCHEMATIC. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONSTRUCTION AND STRUCTURE OF THE BUILDING AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD. EACH TRADE CONTRACTOR SHALL CERTIFY IN WRITING TO THE OWNER AND ARCHITECT THAT HE HAS THOROUGHLY REVIEWED AND COORDINATED ALL LOCATIONS AND ROUTINGS WITH ALL OTHER TRADES PRIOR TO FABRICATION OF DUCTS, PIPING, CONDUITS, ETC. AND START OF INSTALLATION OF SAME. ANY INSTALLATION OF CONSTRUCTION CONFLICTS WHICH OCCUR IN THE FIELD SHALL BE RESOLVED BY THE TRADE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.



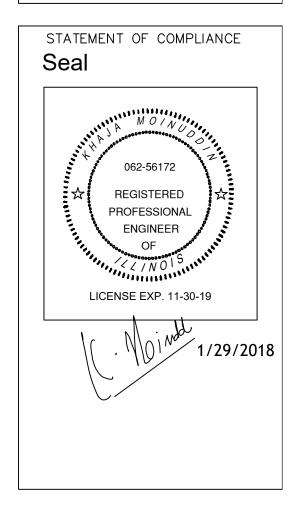








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ISSUE FOR	DATE
REVIEW	10/16/17
REVIEW	10/25/17
REVIEW	11/14/17
REVIEW	11/20/17
REVIEW	11/29/17
PERMIT REVIEW	1/29/18

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PROJECT NO.
DATE
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TENANT IMPROVEMENTS FOR:

18W375 E. ROOSEVELT RD. DUPAGE CTY., ILLINOIS

SHEET DESCRIPTION MECH SCHEDULES

