

AIR BALANCE SCHEDULE					
ZONE	KITCHEN				
	MARK	SUPPLY AIR-CFM	RETURN AIR-CFM	OUTSIDE AIR-CFM	EXHAUST AIR-CFM
	RTU 1	1750	1500	250	----
	RTU 2	2400	2190	210	----
	KEF 1	----	----	----	2880
	EF 1	----	----	----	75
	KSF 1	----	----	2500	----
BUILDING TOTAL		4150	3690	2960	2955
					5

- NOTES:
- A COMPLETE TEST AND AIR BALANCE SHALL BE PERFORMED ON ALL AIR DISTRIBUTION EQUIPMENT. THE TEST AND BALANCE SHALL BE PERFORMED BY AN INDEPENDENT, FULLY CERTIFIED TAB AGENCY THAT SPECIALIZES IN THE TESTING AND BALANCING OF AIR AND HYDRONIC SYSTEMS. THE TAB AGENCY SHALL SUBMIT TO THE OWNER (B) COPIES OF A WRITTEN REPORT WITHIN 10 DAYS AFTER THE INSPECTION IS COMPLETE. LIST ALL COMPLAINTS AND MALFUNCTIONS ENCOUNTERED AND INDICATE STEPS TAKEN OR NEEDED TO BE TAKEN TO CORRECT.
  - THE TAB AGENCY TO BE AABC CERTIFIED.
  - BALANCE REPORT BY OWNER'S AIR BALANCE CONTRACTOR AND COORDINATED BY GENERAL CONTRACTOR.

NOTE TO THE AIR BALANCE CONTRACTOR:  
THE ROOFTOP UNITS SHALL BE TESTED AND BALANCED DURING THE NORMAL OPERATING MODE, AND ALSO TESTED AND BALANCED IN THE ECONOMIZER MODE.

THERMOSTAT SET POINT SCHEDULE				
PERIOD	START TIME	HEATING	COOLING	FAN
OCCUPIED	7:00 AM	68°F	72°F	ON
UNOCCUPIED	2:00 AM	62°F	78°F	AUTO

MECHANICAL SYMBOL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
→	DIRECTION OF FLOW	—	UNED DUCTWORK
(T)	THERMOSTAT	—	RECTANGULAR ELBOW WITH TURNING VANES
(TS)	TEMPERATURE SENSOR	—	ROUND FLEXIBLE DUCT CONNECTION
(H)	HUMIDITY SENSOR	—	90 DEGREE ELBOW DOWN
—	BALL VALVE	—	90 DEGREE ELBOW UP
—	CHECK VALVE	—	FLEXIBLE DUCT CONNECTION
—	STRAINER	—	SUPPLY AIR DEVICE
—	UNION	—	DUCT SIZE TRANSITION
—	REGULATOR	CHWS	CHILLED WATER SUPPLY
—	PRESSURE GAUGE	CHWR	CHILLED WATER RETURN
—	THERMOMETER	CWS	CONDENSER WATER SUPPLY
E.A.	EXHAUST AIR	CWR	CONDENSER WATER RETURN
F.D.	FIRE DAMPER	HWS	HOT WATER SUPPLY
H.O.A.	HAND-OFF-AUTOMATIC	HWR	HOT WATER RETURN
N.C.	NORMALLY CLOSED	RS	REFRIGERANT SUCTION
N.O.	NORMALLY OPEN	RL	REFRIGERANT LIQUID
M.A.	MIXED AIR	FOT	FLAT ON TOP
O.A.	OUTSIDE AIR	D	CONDENSATE DRAIN (ITCHED)
REL.A.	RELIEF AIR	—	BACKDRAFT DAMPER
R.A.	RETURN AIR	—	POINT OF CONNECTION
—	DUCT OR UNIT MOUNTED SMOKE DETECTOR	(R)	SMOKE DETECTOR REMOTE RESET SWITCH
—	MANUAL BALANCING DAMPER	(C)	CO2 DETECTOR
—	MOTORIZED DAMPER		
—	CEILING RETURN AIR DEVICE		
—	SUPPLY DUCT RISER		
			NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT.

#### MECHANICAL FLOOR PLAN KEY NOTES

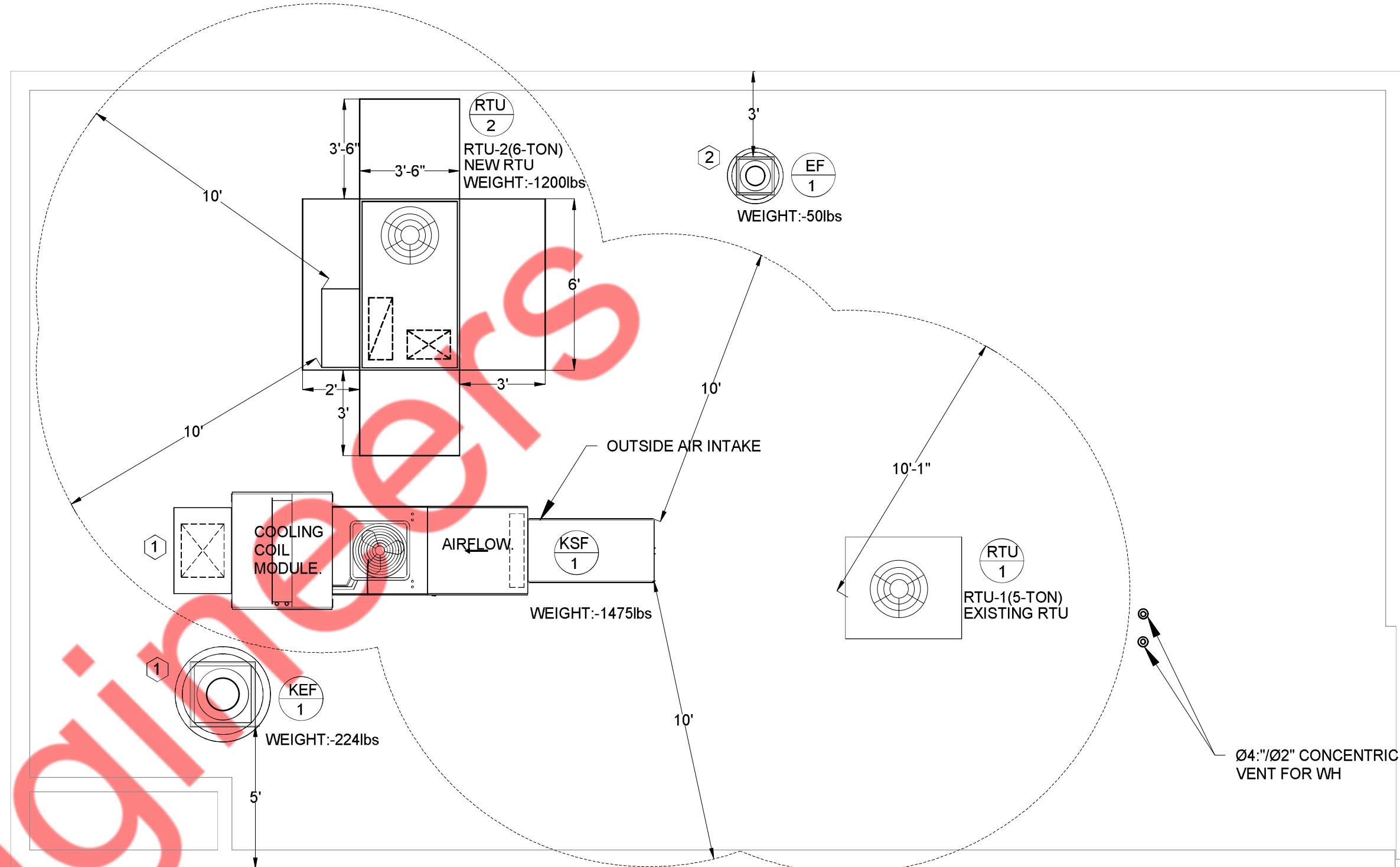
- 22"x18" SUPPLY DUCT UP TO KSF-1.
- 18"Ø GREASE EXHAUST DUCT UP TO ROOF TO KEF-1. DUCT TO BE 16GA. BLACK IRON WELDED LIQUID TIGHT. PROVIDE TRANSITION AT HOOD COLLAR.
- 8"Ø TOILET EXHAUST DUCT UP TO ROOF TO EF-1.
- 24"x12" SUPPLY AIR DUCT TO HOOD COLLAR.
- LOCATION OF REMOTE TEMPERATURE SENSOR 56" A.F.F.
- LOCATION OF ANSUL SYSTEM REMOTE MANUAL PULL STATION. VERIFY EXACT LOCATION WITH KITCHEN EQUIPMENT SUPPLIER.
- WATER HEATER CONCENTRIC VENT KIT TERMINATION OUT AT ROOF. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS.
- LOCATION OF THERMOSTATS. COORDINATE WITH ARCHITECTURAL. PROVIDE ENOUGH INSULATION AT THE BACK OF THERMOSTAT. COORDINATE WITH MANUFACTURER.

#### MECHANICAL ROOF PLAN KEY NOTES

- FAN ROOF CURB BY CAPTIVEAIRE. SEE HOOD DRAWING.
- TOILET EXHAUST FAN TO BE CONTROLLED BY LIGHT SWITCH.

ALL ROOFING PENETRATIONS AND REPAIRS SHALL BE COORDINATED THRU THE G.C. AND ROOFING CONTRACTOR. ROOFING WORK SHALL BE PERFORMED BY THE ROOFING CONTRACTOR. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST RELATED TO ROOFING REPAIRS.

EXTEND ALL SANITARY WASTE PLUMBING VENTS UP TO BE A MINIMUM OF 12" ABOVE FINISHED ROOF ELEVATION, OR EVEN WITH THE TOP OF PARAPET WALL. TERMINATE EVEN WITH TOP OF PARAPET WALL. DO NOT EXTEND ABOVE. BRACE AS REQUIRED.



2 MECHANICAL ROOF PLAN  
1/4" = 1'-0"

#### GENERAL NOTES

- CONTRACTOR SHALL VERIFY THAT ALL EQUIPMENT, AS SHOWN ON THESE DRAWINGS, WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLINGS, JOINTS, VENTS, PIPING OR EQUIPMENT.
- ALL ROOFTOP EQUIPMENT SHALL HAVE MANUFACTURER SUPPLIED ROOF CURBS AND PIPE SEALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADMINISTERING ALL WARRANTIES ON EQUIPMENT WHICH HE INSTALLS. THIS INCLUDES, BUT IS NOT LIMITED TO, REFRIGERANT LINES, ETC.
- ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM ANY EXHAUST FANS OR PLUMBING VENT.
- PROVIDE VIBRATION ISOLATION DEVICES AND FLEXIBLE CONNECTIONS TO ALL MOVING MACHINERY.
- ALL FLEXIBLE DUCTS SHALL BE SUPPORTED EVERY 3'-0" WITH 2" WIDE GALV. STEEL BANDS WITH A MINIMUM OF ONE PER EACH SECTION OF FLEXIBLE DUCT. THE MAXIMUM ALLOWABLE LENGTH OF THE FLEX DUCT SHALL BE 8'-0".
- NO FLEXIBLE DUCTWORK SHALL BE ALLOWED ABOVE INACCESSIBLE CEILINGS.
- ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS. NO ALLOWANCE MADE FOR LINER OR WRAP.
- CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES. ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOF SHALL BE CONSTRUCTED INTO THE STRUCTURE WITH THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
- ALL ITEMS PROJECTING THROUGH ROOFS SHALL BE FLASHED THROUGH CURBS OR PIPE SEALS A MINIMUM OF 12" ABOVE THE ROOF. THE PIPE CURBS AND SEALS SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ROOFING CONTRACTOR. INSURE THAT AMPLE BOOT OPENINGS ARE PROVIDED TO ACCOMMODATE ANY ELECTRICAL CONDUIT PENETRATIONS REQUIRED.
- ALL CEILING MOUNTED AIR DEVICES IN THE FRONT-OF-HOUSE SHALL BE PAINTED BLACK TO MATCH A.C.T. ALL CEILING MOUNTED AIR DEVICES IN BACK-OF-HOUSE SHALL BE PAINTED WHITE.
- ALL DUCTWORK IS TO BE INSTALLED AS HIGH AND AS TIGHT TO STRUCTURE AS POSSIBLE.
- ALL HORIZONTAL GREASE DUCT IS TO SLOPE 1/4" PER FOOT PER NFPA 96, CURRENT EDITION.
- ALL TURNS IN KITCHEN EXHAUST DUCT ARE TO BE ACCOMPLISHED BY THE USE OF 1.5 CENTERLINE RADIUS SMOOTH RADIUS ELBOWS.
- INSTALLING CONTRACTOR TO PROVIDE AND INSTALL ALL CODE REQUIRED FIRE RATED ACCESS DOORS IN GREASE DUCTS AT ALL LOCATIONS REQUIRED BY CODE AND LOCAL AUTHORITY HAVING JURISDICTION.
- COORDINATE BRANCH DUCT LOCATIONS WITH TRUSS WEBS, ROOF SCREEN POSTS AND LIGHTING.
- HOOD EXHAUST SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER NFPA 96 AND INTERNATIONAL MECHANICAL CODE.
- ALL EXPOSED DUCT AND FITTINGS SHALL BE PROVIDED WITH A MILL PHOSPHATIZED FINISH ("PAINT GRIP", "ZINC GRIP" OR SIMILAR ETC) TREATMENT) TO ALLOW THE DUCTWORK TO BE PAINTED.
- DUCT SMOKE DETECTORS REQUIRE A REMOTE LED INDICATOR THRU THE CEILING LEVEL. NFPA 72 5.8.4.2.2 AND 2-10.5.8.
- THE INSTALLING CONTRACTOR IS TO PROVIDE THE OWNER WITH A COMPLETE SET OF AS-BUILT DRAWINGS, SHOWING ALL FIELD MODIFICATIONS, AT THE CONCLUSION OF THE PROJECT.
- ALL EXPOSED DUCTWORK IS TO BE LINED 1" SUPPLY, 1" RETURN. ALL ROOF PENETRATIONS AND REPAIRS SHALL BE BY THE GENERAL CONTRACTOR. ROOFING WORK SHALL BE PERFORMED BY THE ROOFING CONTRACTOR.

#### BUILDING CODES

- 2019 CALIFORNIA BUILDING CODE
- 2019 CALIFORNIA ELECTRICAL CODE
- 2019 CALIFORNIA MECHANICAL CODE
- 2019 CALIFORNIA PLUMBING CODE
- 2019 CALIFORNIA ENERGY CONSERVATION CODE
- 2019 CALIFORNIA FIRE CODE
- 2019 CALIFORNIA GREEN BUILDING CODE

#### REFERENCE SYMBOLS

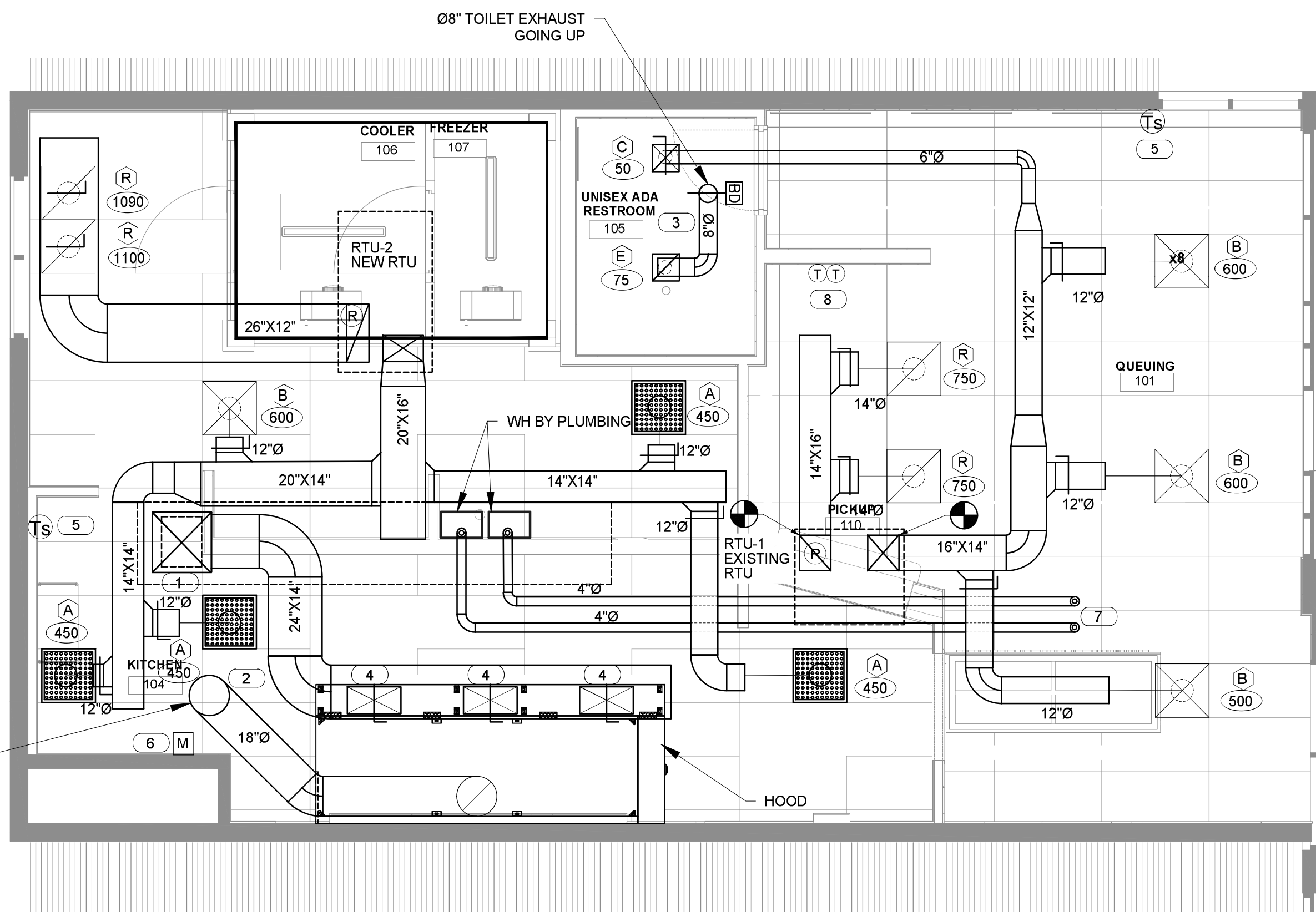
- EQUIPMENT IDENTITY (SEE EQUIPMENT ABBREVIATION LIST AND SCHEDULES)
- EQUIPMENT NUMBER
- GRILLE/DIFFUSER TAG
- CFM
- INDICATES REVISION & NUMBER
- LOCATION POINT FOR COORDINATION BETWEEN FLOOR PLANS & PIPING DIAGRAMS (NUMBER)
- SHEET NOTE NUMBER

#### ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	FLA	FULL LOAD AMPS	PDR	PLENUM DRAIN
ABV	ABOVE	FLEX	FLEXIBLE	PD	PRESSURE DROP (SEE SCHEDULE)
ADR	AREA DRAIN (SEE SYMBOLS)	FT	FEET	PERF	PERFORATED
AFF	ABOVE FINISHED FLOOR	FTB	FLOOR TO BOTTOM	PH	PHASE
ALUM	ALUMINUM	FTC	FLOOR TO CENTERLINE	PNEU	PNEUMATIC
AP	ACCESS PANEL	G	GAUGE	POS	POSITIVE
BDD	BACK DRAFT DAMPER	GAL	GALLON	PRESS	PRESSURE
BLDG	BUILDING	GALV	GALVANIZED	PS	PRESSURE SWITCH
BLW	BELOW	GC	GENERAL CONTRACTOR	PT	PRESSURE TRANSMITTER
BM	BELL MOUTH	GR	GRILLE	QUAN	QUANTITY
BOD	BOTTOM OF DUCT	GRS/LB	GRAINS PER POUND	R	REGISTER
BSMT	BASEMENT	HT	HEIGHT	RA	RETURN AIR
BTU	BRITISH THERMAL UNIT	HB	HOSE BIBB	RAC	RUN ABOVE CEILING
CA	COMBUSTION AIR OR CALIFORNIA	HD	HEAD (SEE SCHEDULES)	RAD	RETURN AIR DUCT
CFH	CUBIC FEET PER HOUR	HP	HORSEPOWER	RAF	RUN ABOVE FLOOR
CFM	CUBIC FEET PER MINUTE	HR	HOUR	RATC	RUN AT CEILING
CIP	CLEAN IN PLACE	HTR	HEATER	RBC	RUN BELOW CEILING
C	CENTER LINE	ID	INTERNAL DIAMETER	RBF	RUN BELOW FLOOR
CLG	CEILING	IN	INCHES	RBG	RUN BELOW GRADE
CMU	CONCRETE MASONRY UNIT	KW	KILOWATT	RBJ	RUN BETWEEN JOIST
CO	CLEAN OUT	LAT	LEAVING AIR TEMPERATURE	RCP	REINFORCED CONCRETE PIPE
CON	CONCENTRIC	LB	POUND	RD	ROOF DRAIN
CONC	CONCRETE	LBS/HR	POUNDS PER HOUR (#/HR)	RE	ROUNDED ENTRANCE/EXIT
COND	CONDENSATE	LVR	LOUVER	REF	REFRIGERANT
CONN	CONNECTION	MC	MECHANICAL CONTRACTOR	REL	RELIEF
CONTN	CONTINUATION	MED	MEDIUM	REQD	REQUIRED
CONTR	CONTRACTOR	MFR	MANUFACTURER	RET	RETURN
CVS	CONTROL VALVE STATION	MH	MANHOLE	RH	RELATIVE HUMIDITY
DA	DIRECT ACTING	MIN	MINIMUM	RICW	RUN IN CASEWORK
DAMP	DAMPER	MISC	MISCELLANEOUS	RIE	RUN IN ENCLOSURE
DB	DRY BULB	NOM	NOMINAL	RIW	RISE IN WALL
DEPT	DEPARTMENT	NTS	NOT TO SCALE	RLA	RATED LOAD AMPS
DIA	DIAMETER	OA	OUTSIDE AIR	RM	ROOM
DIAG	DIAGRAM	OAD	OUTSIDE AIR DUCT	RPM	REVOLUTIONS PER MINUTE
DIFF	DIFFERENTIAL	MBH	THOUSANDS OF BTU PER HOUR	SA	SUPPLY AIR
SAE	SAME AS EXISTING				

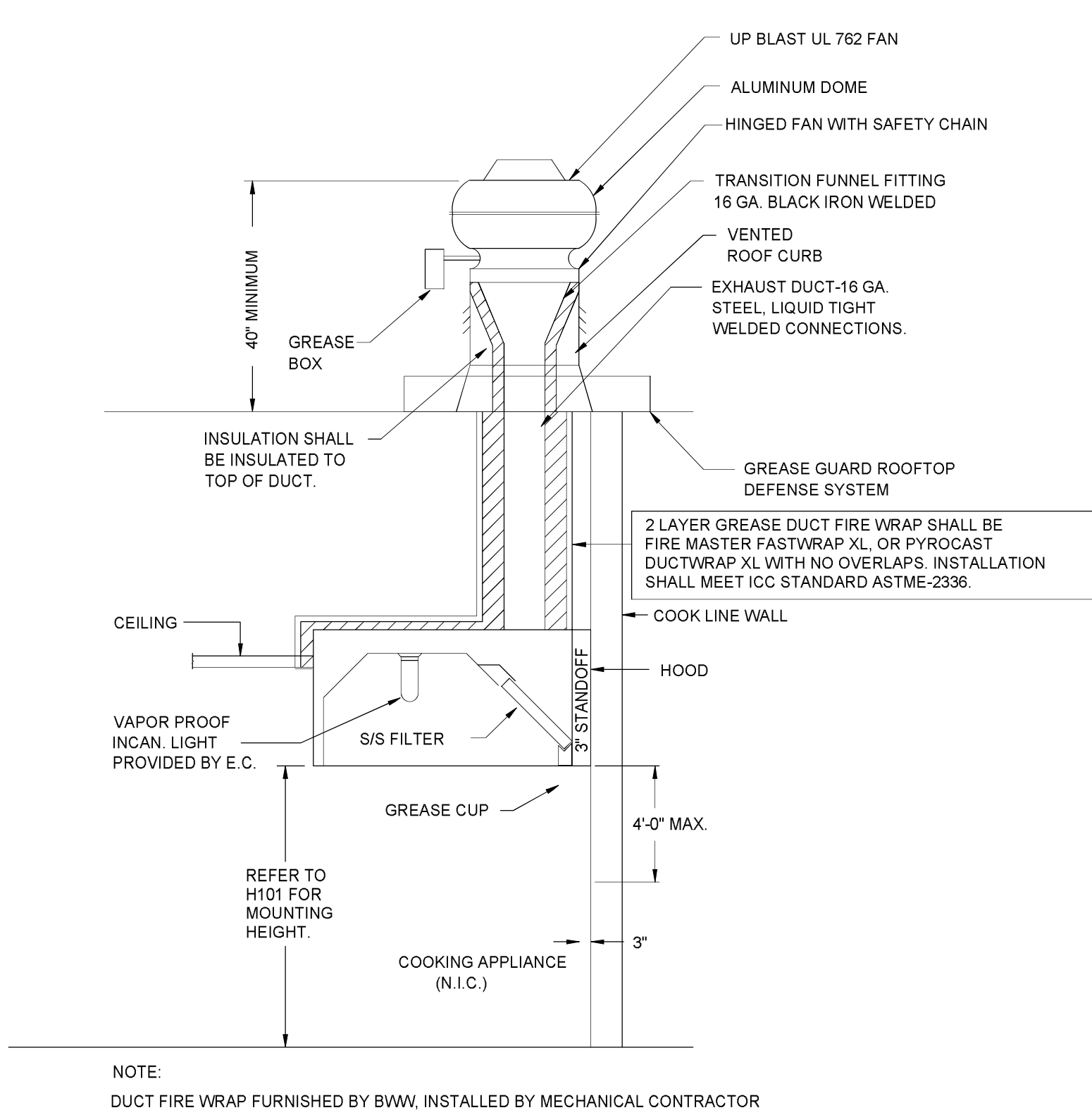
#### PIPING SYMBOLS

—	GATE VALVE
—	GLOBE VALVE
—	PLUG VALVE
—	BUTTERFLY VALVE
—	BALL VALVE
—	SOLENOID VALVE
—	PRESSURE REDUCING VALVE (PRV)
—	TEMPERATURE/PRESSURE RELIEF VALVE
—	RELIEF/SAFETY VALVE
—	GAS COCK
—	MANUAL AIR VENT
—	AUTOMATIC AIR VENT (EXTEND DISCHARGE TO DRAIN)
—	FLOW METER-VENTURI
—	FLOW METER-ORIFICE
—	DIRECTION OF FLOW
—	PIPE RISING UP
—	PIPE DROPPING DOWN
—	CONCENTRIC REDUCER
—	ECCENTRIC REDUCER
—	UNION - SCREWED OR FLANGED
—	ANCHOR
—	GUIDE

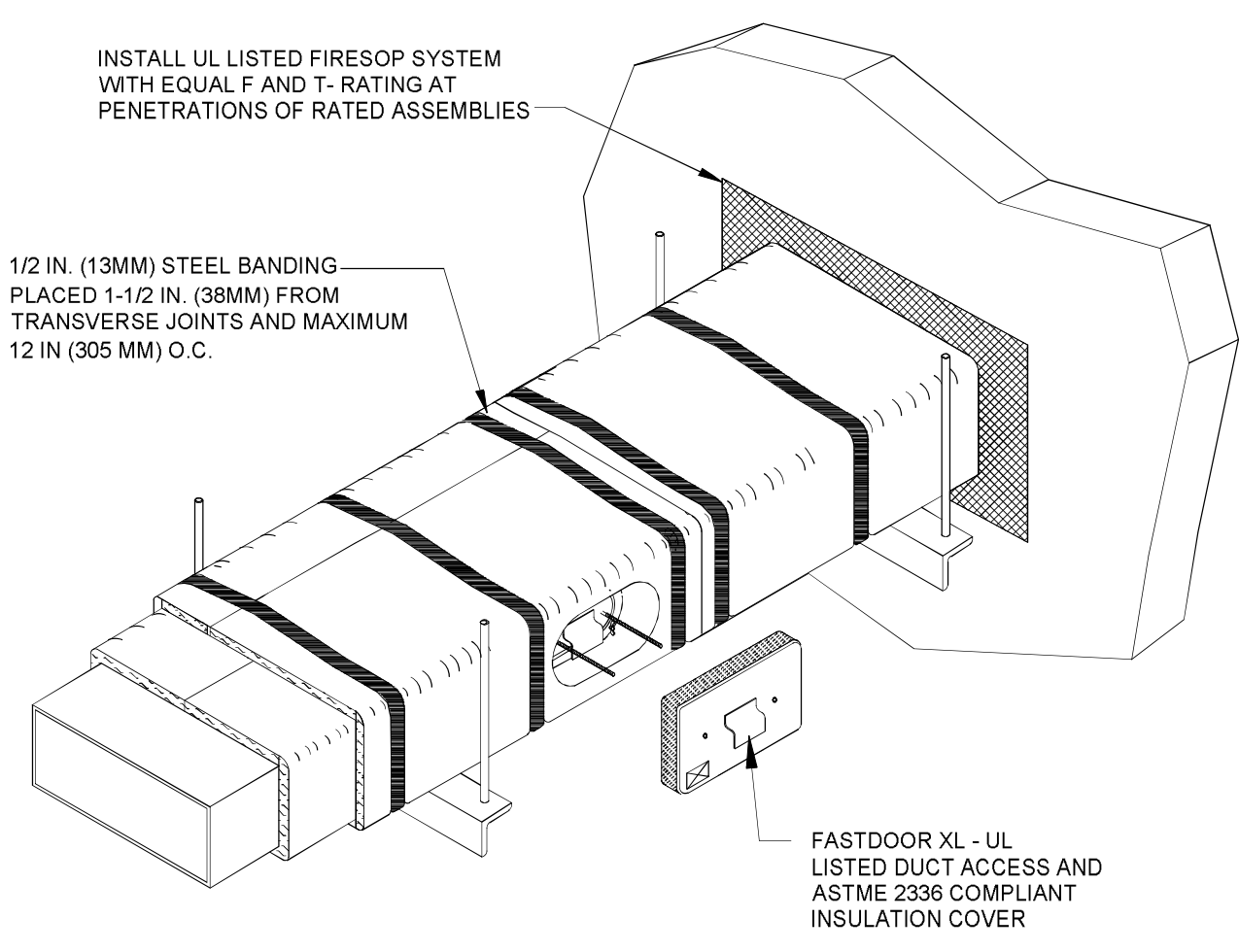


1 MECHANICAL FIRST FLOOR PLAN  
1/4" = 1'-0"

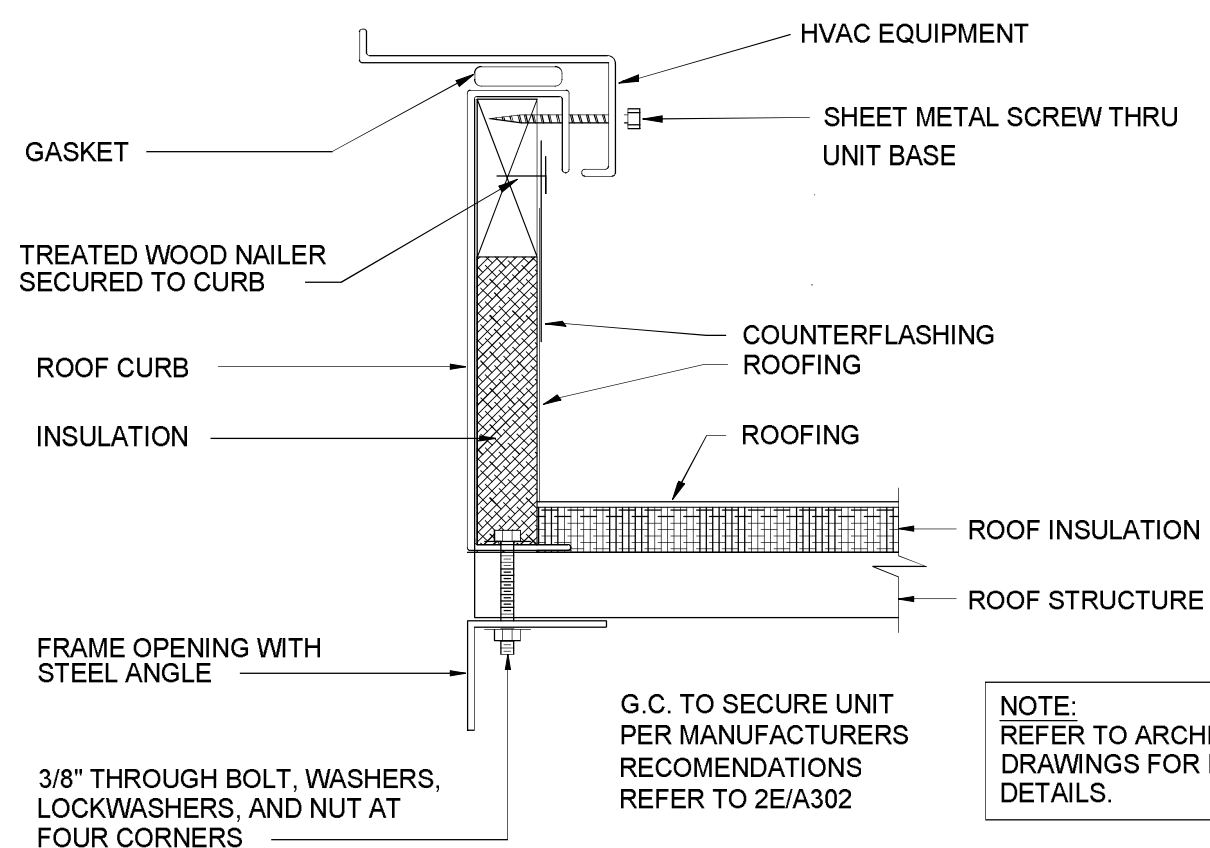




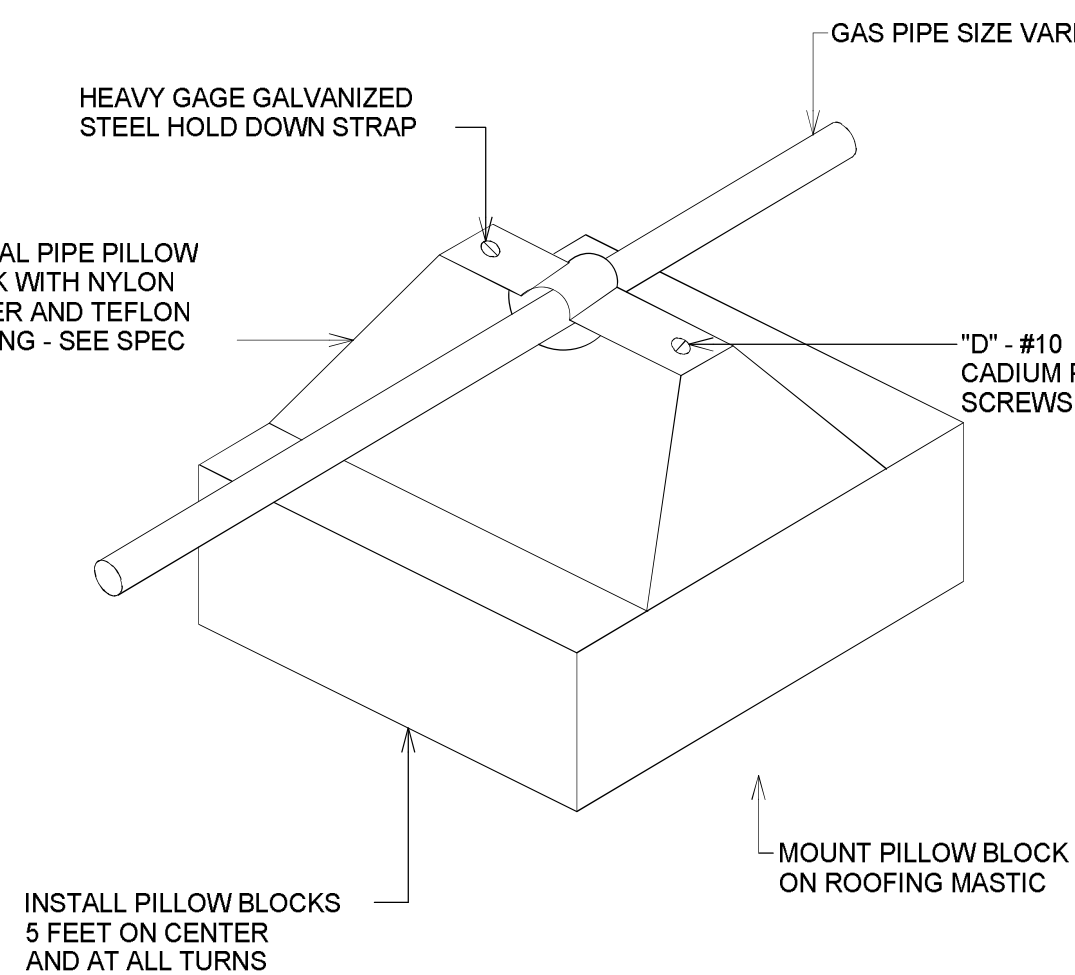
1 FIRE RATED CHASE DETAIL  
N.T.S.



3 GREASE DUCT WRAP DETAIL  
N.T.S.

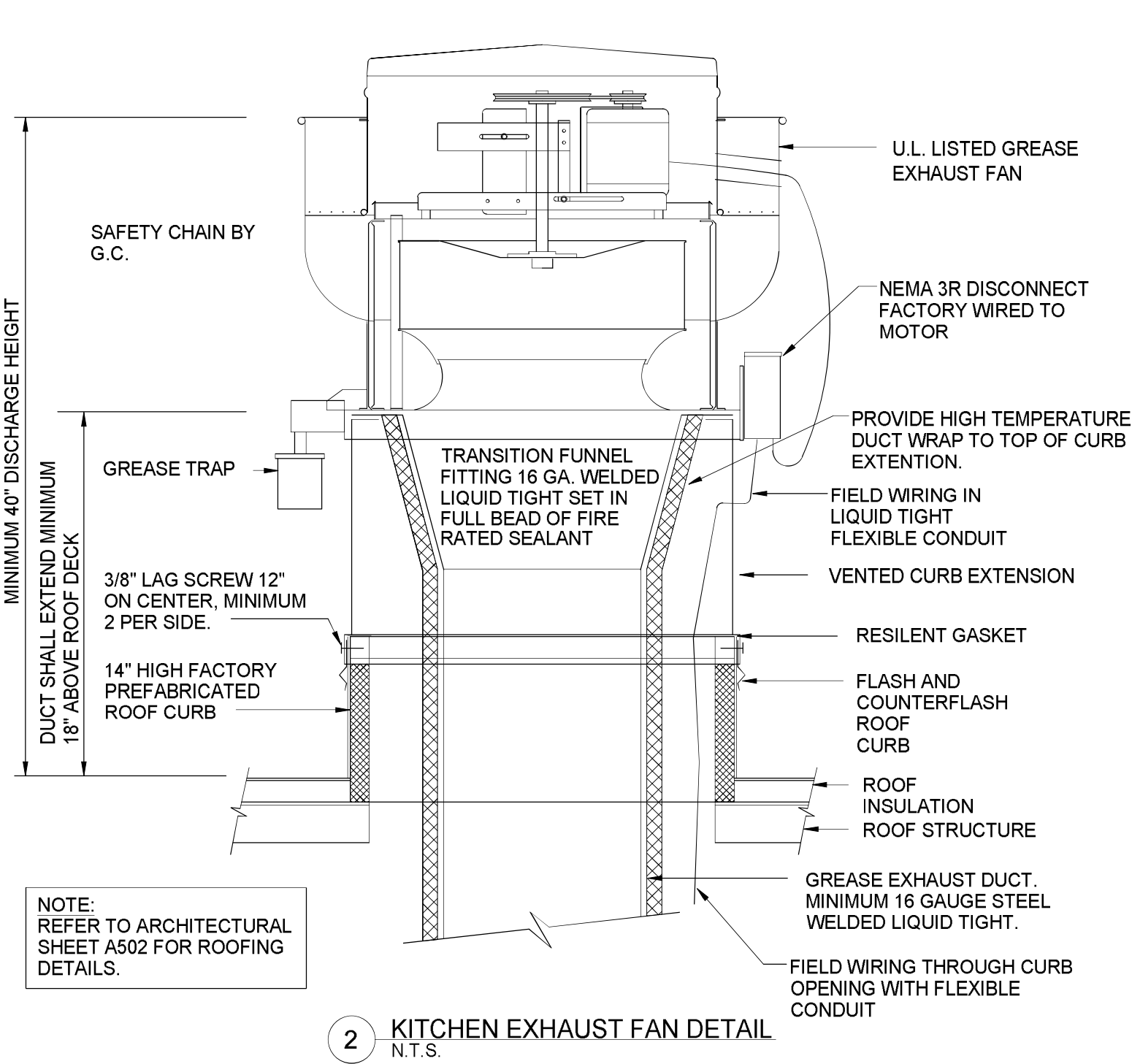


5 ROOFTOP CURB DETAIL  
N.T.S.

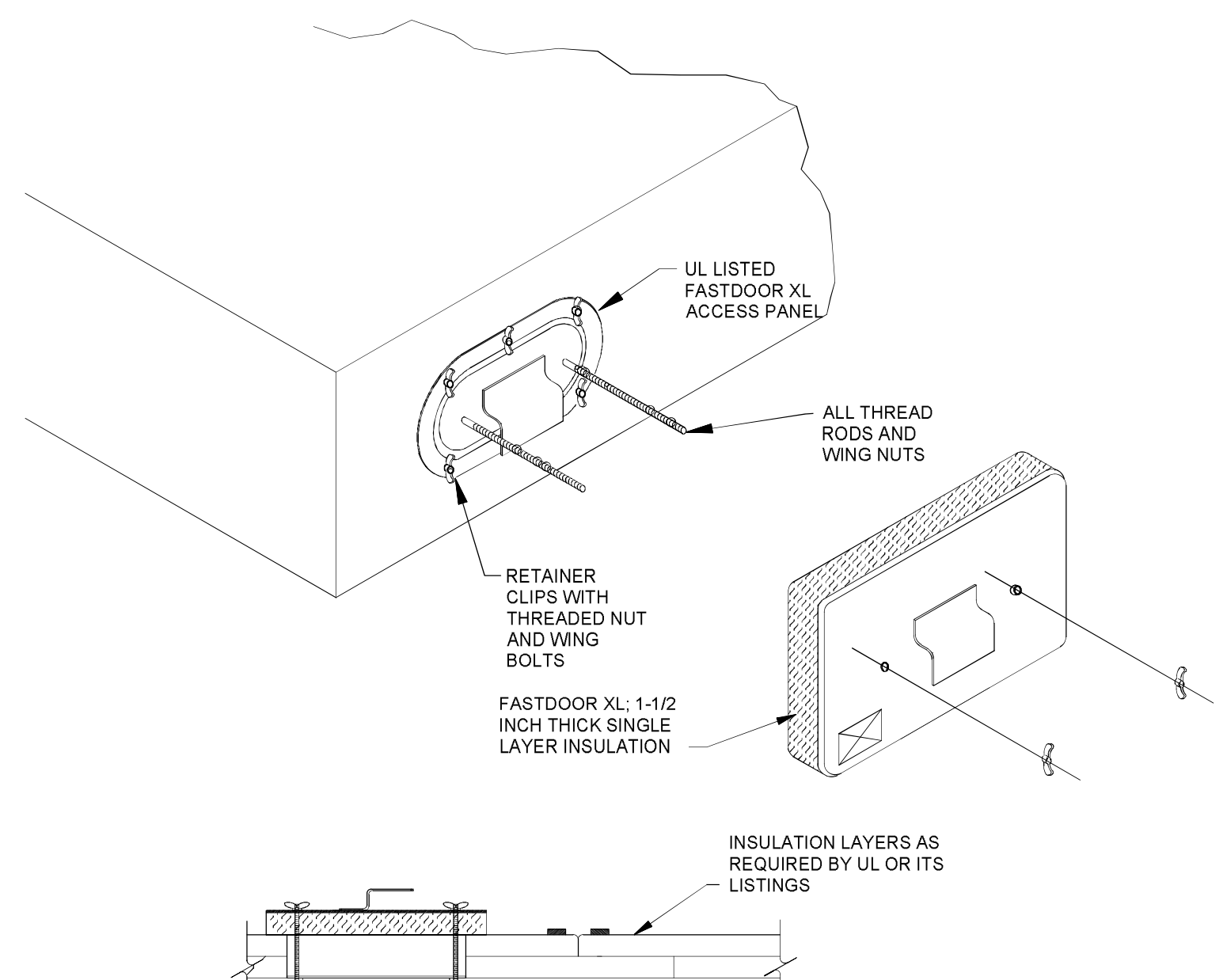


6 GAS PIPE ROOF SUPPORT DETAIL  
N.T.S.

7 THERMOSTAT SETTING DETAIL  
N.T.S.



2 KITCHEN EXHAUST FAN DETAIL  
N.T.S.



- NOTES:
1. ACCESS DOOR IS TO BE FASTDOOR XL OR EQUAL.
  2. ACCESS DOOR IS TO BE U.L. LISTED, INSTALLED LIQUID TIGHT AND SHALL BE NOT LESS 12 INCHES ON ONE (1) SIDE.
  3. ACCESS DOOR IS TO MEET OR EXCEED THE REQUIREMENTS OF NFPA 96, 2008 EDITION
  4. PROVIDE AND INSTALL ACCESS DOOR AT 20 FT. ON CENTER, EACH CHANGE OF DIRECTION OF DUCT AND AT ALL LOCATIONS REQUIRED BY LOCAL CODE.

NOTE:  
DUCT FIRE WRAP FURNISHED BY BWW, INSTALLED BY MECHANICAL CONTRACTOR

4 GREASE DUCT ACCESS DOOR DETAIL  
N.T.S.

#### NOTES:

1. ACCESS DOORS (AD) IN GREASE DUCT SHALL BE PLACED 20 FT. ON CENTER AT EVERY CHANGE IN DIRECTION AND SHALL BE FASTDOOR XL - UL LISTED WITH 2-HOUR RATED INSULATION COVER. (FOR GREASE DUCT) OR EQUAL AND MEET NFPA-96 STANDARDS.
2. ALL RADIUSSED ELBOWS ARE TO BE 1.5 CENTERLINE RADIUS. NO MITERED ELBOWS WILL BE ALLOWED.
3. ALL DUCT IS TO BE 16 GA. BLACK IRON WELDED LIQUID TIGHT. ALL WELDS ARE TO BE TREATED AND MADE CORROSION RESISTANT.
4. DUCT IS TO SLOPE TOWARDS HOOD AT 1/4" PER FOOT.
5. ALL DUCTS ARE TO BE SIZED FOR THE CODE REQUIRED VELOCITY OF 1500 FPM MIN. TO 2500 FPM MAX.

8 TYPICAL GREASE DUCT DETAIL  
N.T.S.

AIR DISTRIBUTION SCHEDULE							
MARK	MFGR	MODEL	SERVICE	CORE VEL. FPM	N.C. LEVEL	MODULE SIZE	DESCRIPTION
(A) CFM	TITUS	PSS-AA	SUPPLY	500 MAX.	30 MAX.	24x24	PERFORATED PLAQUE FACE DIFFUSER
(B) CFM	TITUS	OMNI	SUPPLY	500 MAX.	30 MAX.	24x24	PLAQUE FACE DIFFUSER
(C) CFM	TITUS	OMNI	SUPPLY	500 MAX.	30 MAX.	12x12	PLAQUE FACE DIFFUSER
(E) CFM	TITUS	OMNI	EXHAUST	500 MAX.	30 MAX.	12x12	PLAQUE FACE DIFFUSER
(R) CFM	TITUS	OMNI	RETURN	500 MAX.	30 MAX.	24x24	PLAQUE FACE DIFFUSER

1. PROVIDE ALL AIR DEVICES WITH MANUAL BALANCING DAMPERS.

2. PROVIDE ALL AIR DEVICES WITH FACTORY FINISH. COLOR PER ARCHITECT.

3. PROVIDE MOUNTING FRAMES FOR ALL AIR DEVICES MOUNTED IN GYPSOBOARD CEILINGS.

DUCT RUNOUT SIZES U.O.N.:

0-50 CFM	5/8"
51-100 CFM	6/8"
101-200 CFM	8/8"
201-400 CFM	10/8"
401-600 CFM	12/8"

OUTSIDE AIR REQUIRED					
ROOM USE	SQ. FT.	No. PEOPLE	CFM/PERSON	CFM/SQ. FT.	CFM REQ'D
QUEUING AND PICKUP	344	8	7.5	0.06	81
KITCHEN	560	12	7.5	0.12	157
ORDER	118	3	7.5	0.06	30
TOTAL					268

OUTSIDE AIR PROVIDED				
UNIT No.	SUPPLY AIR	RETURN AIR	OUTSIDE AIR	
RTU-1(EXISTING)	1750	1500	250	
RTU-2(NEW)	2400	2190	210	
TOTAL			460	

OUTSIDE AIR QUANTITIES HAVE BEEN DETERMINED IN ACCORDANCE WITH THE CALIFORNIA MECHANICAL CODE 2019

ALL EQUIPMENT USED ON THIS PROJECT IS TO BE UL LISTED AND BEAR THE UL 710 LISTED LABEL

DUCT SMOKE DETECTORS TO PROVIDE SHUT DOWN IN 30 SECONDS OR LESS

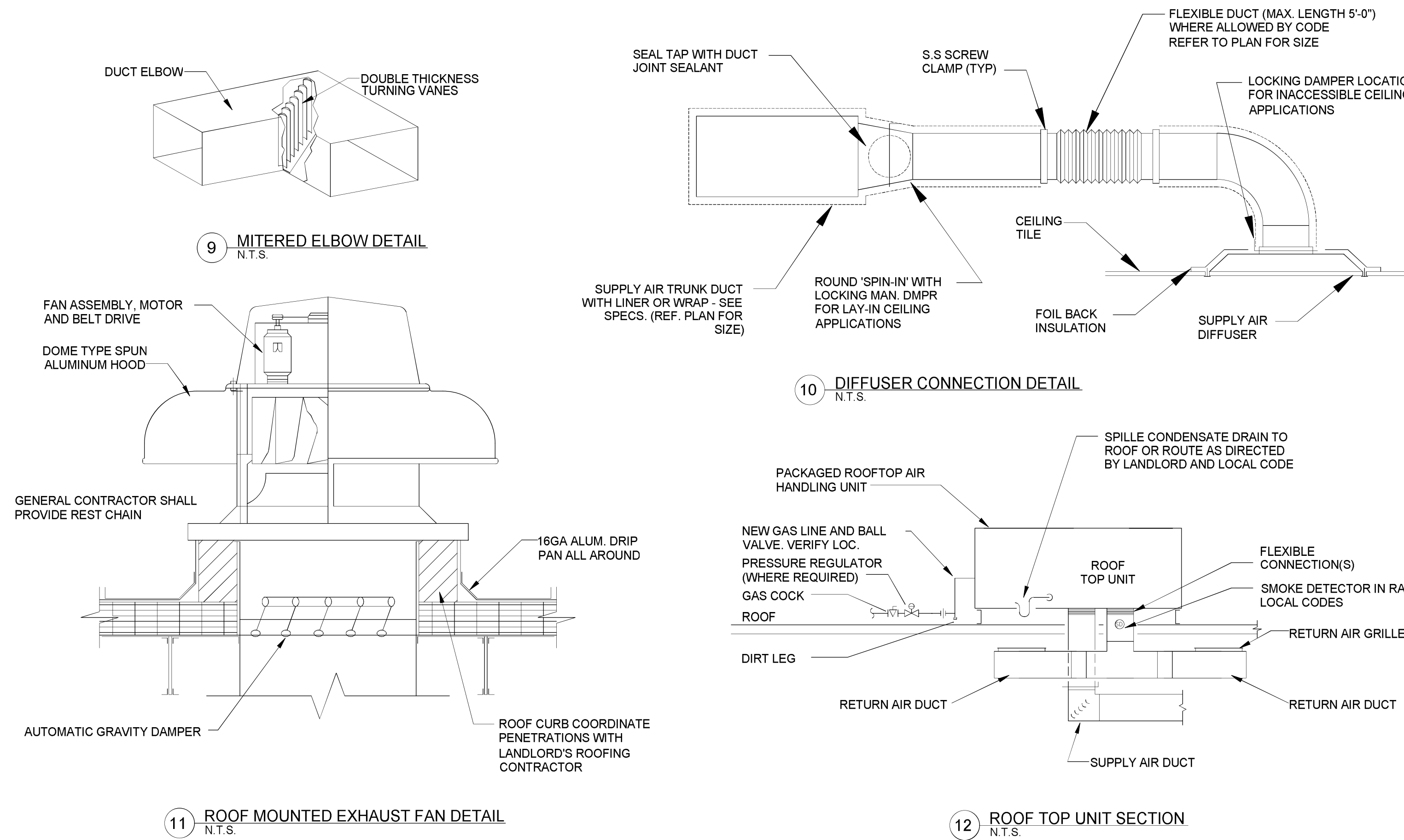
FAN SCHEDULE												
MARK	MFGR	MODEL	CFM	EXTERNAL STATIC PRESSURE INCHES W.G.	FAN SPEED (RPM)	TYPE	SERVING	ELECTRICAL			OPER. WEIGHT LBS	NOTES
								H.P.	VOLT	Ø		
KEF-1	CAPTIVEAIRE	DU180HFA	2880	1.25	1231	CENT.	HOOD 1	3.0	208	3	224	1, 2, 4
EF-1	COOK	70C150H	75	0.2	1316	CENT.	TOILET	--	115	1	50	3, 5

NOTES:

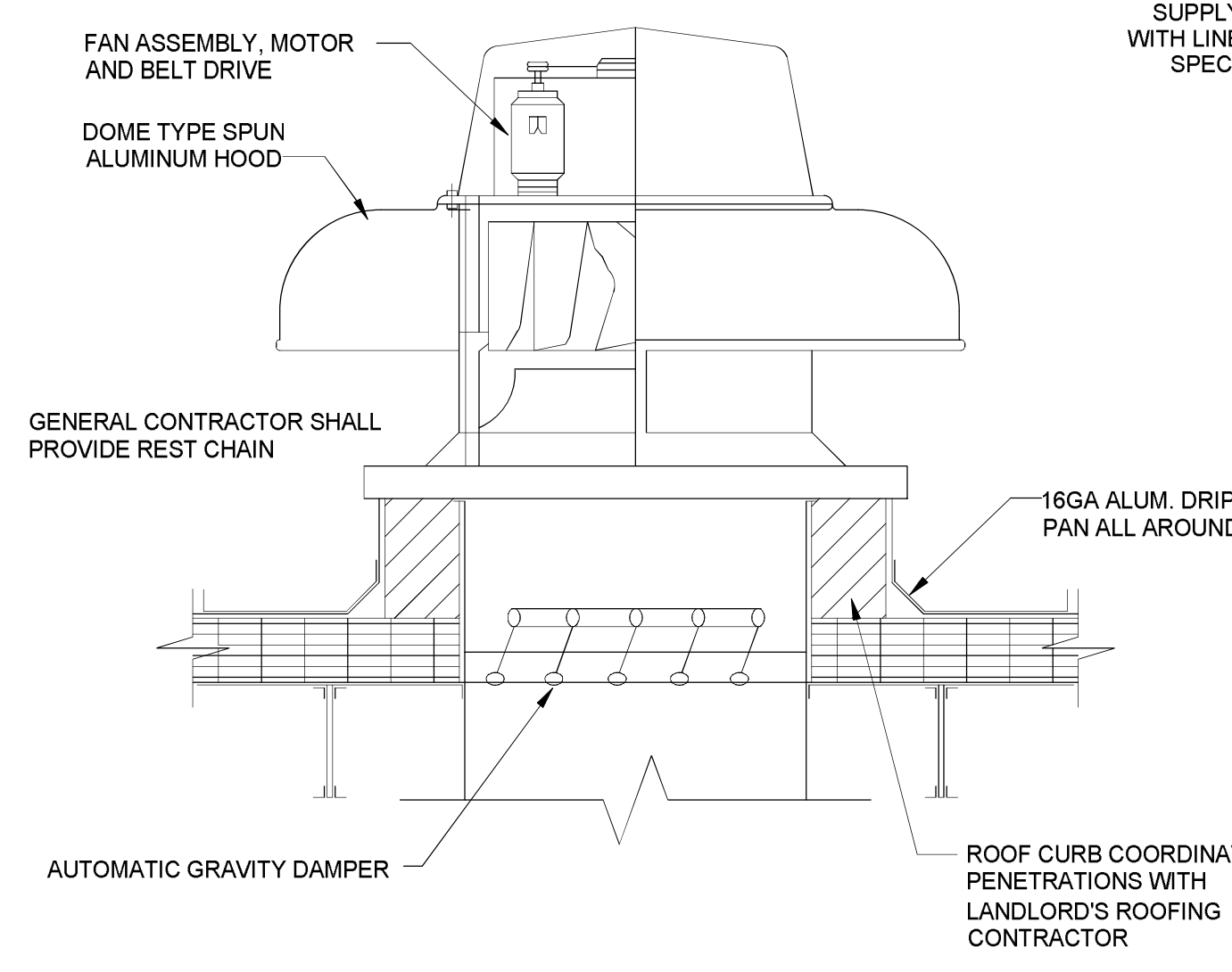
1. CONTRACTOR TO INSTALL VENDOR PROVIDED EQUIPMENT (KEF-1). REFER TO CAPTIVEAIRE DRAWINGS.
2. KITCHEN EXHAUST FAN SHALL BE EQUIPPED WITH A HINGE KIT, GREASE BOX, FACTORY CURB W/ VENTED EXTENSION, DISCONNECT.
3. EXHAUST FAN SHALL BE EQUIPPED WITH A BACKDRAFT DAMPER, DISCONNECT, UL 705 FAN.
4. KEF-1 TO BE ELECTRICALLY INTERLOCKED WITH RTUS AND KSF-1.
5. REFER TO ELECTRICAL DRAWINGS FOR CONTROL OF EF-1.
6. FAN SHALL BE ENERGY STAR COMPLIANT.

MAKE-UP AIR UNIT SCHEDULE																		
MARK	MFGR	MODEL	CFM	EXTERNAL STATIC PRESSURE INCHES W.G.	FAN SPEED (RPM)	TYPE	SERVING	ELECTRICAL		Ø	OPER WEIGHT LBS	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	GAS HEAT INPUT (MBH)	GAS HEAT OUTPUT (MBH)	SEER	GAS EFFICIENCY(%)	NOTES
								FAN H.P.	VOLT									
KSF-1	CAPTIVEAIRE	A2-D-250-20D-MPU	2500	0.5	1172	ROOF	HOOD-1	2.0	208	3	1475	37.6	25.4	97.6	89.8	14	92	1, 2
NOTES:																		
1. CONTRACTOR TO INSTALL VENDOR PROVIDED EQUIPMENT (KSF-1). REFER TO CAPTIVEAIRE DRAWINGS.																		
2. ROUTE 3/4" CONDENSATE TO ROOF DRAIN. VERIFY WITH LOCAL A.H.J.																		

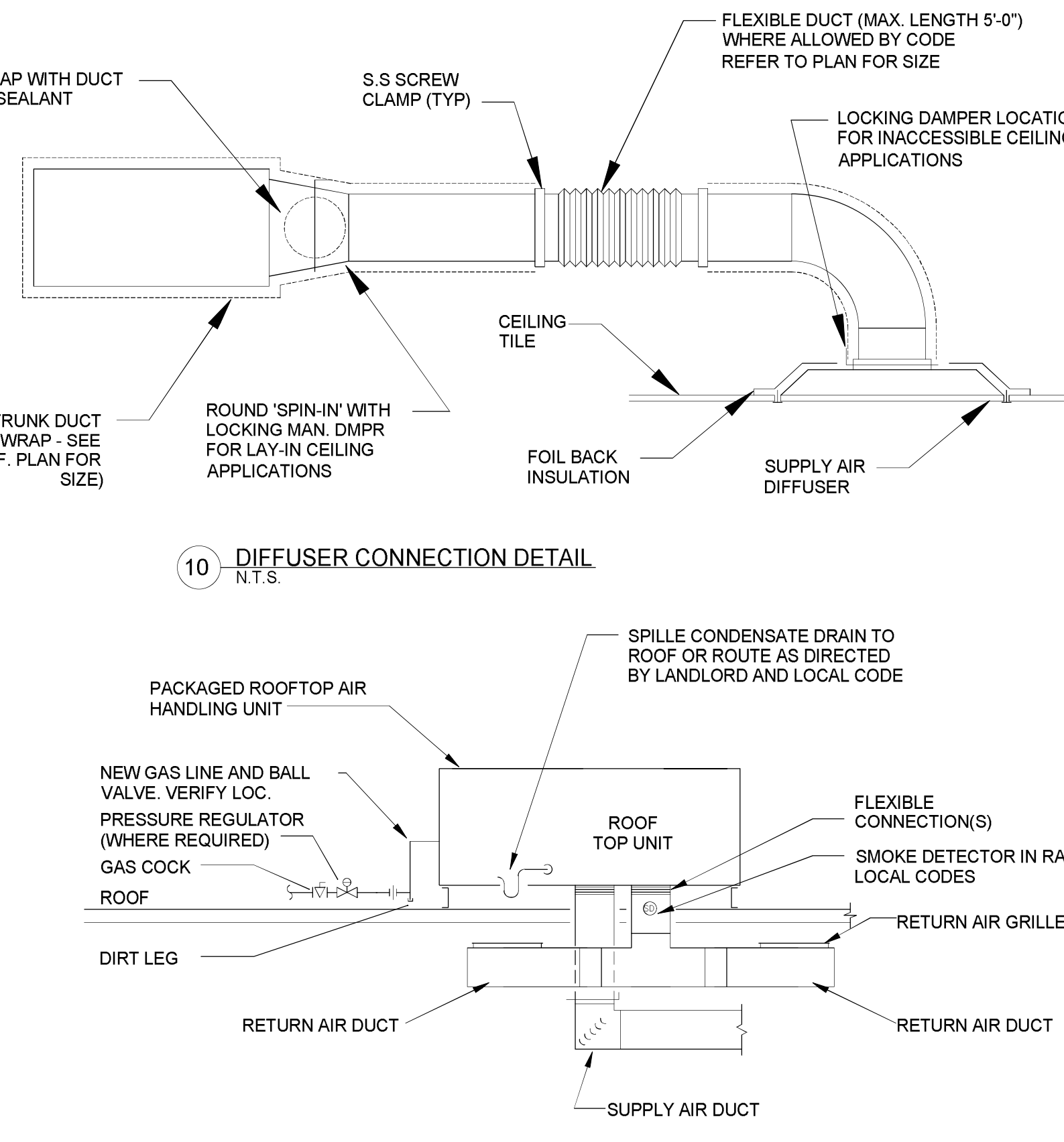
ROOF TOP UNIT SCHEDULE																		
MARK	MFGR	MODEL	SUPPLY CFM	SUPPLY FAN BHP	EXT S.P.	O/A CFM	COOLING MBH		HEATING MBH	COP	ELECTRICAL				E.E.R.	WEIGHT LBS	ZONE SERVED	REMARKS
							COOLING TOTAL	COOLING SENSIBLE			VOLT	Ø	MCA	MOP				
RTU 1	INTERNATIONAL COMFORT	PHD460000H00F1	1750	SAE	SAE	250	SAE	SAE	SAE	SAE	SAE	SAE	SAE	SAE	SAE	SAE	QUEING & OERING	EXISTING UNIT
RTU 2	CARRIER	50FCQM07	2400	1.6	1.0	210	75	59.6	64.5	3.6	208	3	36	50	11.2	1200	KITCHEN	NEW UNIT
NOTES:																		
1. UNITS SELECTED AT 80°F DB, 67°F WB, 95°F OUTDOOR AMBIENT. SPACE HEATING 68°F, SPACE COOLING 72°F, HUMIDITY 50%.							ACCESSORIES KEY:											
2. NO UNIT LOSSES INCLUDED. ALLOW FOR WET COIL AND DIRTY FILTER.							A. SINGLE POINT POWER CONNECTION											
3. ROOFTOP UNITS SHALL BE ELECTRICALLY INTERLOCKED WITH KITCHEN HOOD EXHAUST FANS.							B. 14" FACTORY ROOF CURB											
4. ROUTE 3/4" CONDENSATE TO ROOF DRAIN. VERIFY WITH LOCAL AHJ.							C. FACTORY WIRE DISCONNECT											
							D. UNIT MOUNTED 115V RECP - FIELD WIRE											
							E. HINGED ACCESS PANELS											
							F. NON-ADJUSTABLE SPACE TEMP SENSOR											
							G. TOUCHSCREEN THERMOSTAT (HONEYWELL MODEL #TH8321)											
							H. SMOKE DETECTOR TEST AND RESET STATION (BE RTS2-AOS)											
							I. STAINLESS STEEL HEAT EXCHANGER											
							J. 2" PLEATED AIR FILTERS											
							K. ADDITIONAL SET AIR FILTERS											
							L. SUPPLY AIR SMOKE DETECTOR											
							M. RETURN AIR SMOKE DETECTOR											
							N. CONDENSER COIL HALL GUARDS											
							O. R-410A REFRIGERANT SYSTEM											
							P. BAROMETRIC RELIEF DAMPER											
							Q. ENTHALPY CONTROLLED ECONOMIZER											
							R. FOR RTU-2(N) MOTORIZED 100% OUTDOOR AIR DAMPER.											



9 MITERED ELBOW DETAIL  
N.T.S.



11 ROOF MOUNTED EXHAUST FAN DETAIL  
N.T.S.



10 DIFFUSER CONNECTION DETAIL  
N.T.S.

12 ROOF TOP UNIT SECTION  
N.T.S.