

### SYMBOL LEGEND

SYMBOL	DESCRIPTION (DISREGARD ITEMS NOT SHOWN ON PLANS)
<b>GENERAL</b>	
Ⓚ	KEY NOTE TAG
Ⓛ	NOTE SPECIFIC TO DETAIL TAG
Ⓜ	REVISION TAG
Ⓝ	NEW EQUIPMENT
<b>DUCTWORK</b>	
▭	SUPPLY AIR DUCTWORK
▭	RETURN AIR AND OUTSIDE AIR DUCTWORK
▭	EXHAUST AIR DUCTWORK
▭	FLEXIBLE DUCTWORK
▭	SUPPLY AIR DUCTWORK THROUGH HORIZONTAL PARTITION
▭	RETURN AIR AND OUTSIDE AIR DUCTWORK THROUGH HORIZONTAL PARTITION
▭	EXHAUST AIR DUCTWORK THROUGH HORIZONTAL PARTITION
▭	FIRE DAMPER (VERTICAL)
▭	SMOKE DAMPER (VERTICAL)
▭	MANUAL BALANCING DAMPER (SEE DAMPER SCHEDULE)
▭	MOTORIZED DAMPER (SEE DAMPER SCHEDULE)
<b>SENSORS</b>	
Ⓛ	THERMOSTAT AND TEMPERATURE SENSOR
Ⓛ	SMOKE DETECTOR
<b>AIR DEVICES</b>	
Ⓛ	GRILLE SIZE TAG (REFER TO GRILLE SIZE LEGEND)
Ⓛ	SUPPLY AIR GRILLE WITH FOUR-WAY THROW
Ⓛ	SUPPLY AIR GRILLE WITH THREE-WAY THROW
Ⓛ	SUPPLY AIR GRILLE WITH TWO-WAY THROW
Ⓛ	SUPPLY AIR GRILLE WITH TWO-WAY CORNER THROW
Ⓛ	SUPPLY AIR GRILLE WITH ONE-WAY THROW
Ⓛ	RETURN AIR GRILLE
Ⓛ	RETURN AIR GRILLE WITH SOUND BOOT
Ⓛ	EXHAUST AIR GRILLE
Ⓛ	SUPPLY AIR SIDEWALL GRILLE
Ⓛ	RETURN AIR SIDEWALL GRILLE
Ⓛ	RETURN AIR OPENING ABOVE CEILING
<b>PIPING</b>	
—B	CONDENSATE DRAIN LINE
—AD	AUXILIARY CONDENSATE DRAIN LINE
—EO	ELBOW UP
—ED	ELBOW DOWN
—E	90° ELBOW
—45	45° ELBOW
—T	TEE
—TD	TEE DOWN
—TU	TEE UP
—TC	TOP BRANCH CONNECTION
—BC	BOTTOM BRANCH CONNECTION
—F	FLANGE
—C	CAP
—S	CONTINUATION
—FD	FLOOR DRAIN (REFER TO PLUMBING DRAWINGS)
<b>SUBSCRIPTS AND ABBREVIATIONS</b>	
AF	ABOVE FINISHED FLOOR
BBS	BELOW BOTTOM OF STRUCTURE
BOB	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
CA	COMBUSTION AIR
CFM	CUBIC FEET PER MINUTE
EA	EXHAUST AIR
FPW	FEET PER MINUTE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR

### PACKAGED ROOFTOP UNIT - ELECTRIC HEAT

MARK	INDOOR AIR FAN				COOLING				ELECTRIC HEATING				REMARKS							
	SUPPLY AIR CFM	OUTSIDE AIR CFM	STATIC PRESSURE (N. W.C.)	HORSE POWER (BHP)	ENTERING DRY BULB (°F)	ENTERING WET BULB (°F)	OUTDOOR AMBIENT (°F)	MIN. TOTAL CAPACITY (MBH)	MIN. SENSIBLE CAPACITY (MBH)	MINIMUM SEER	NUMBER OF STAGES	ENTERING AIR TEMP. (°F)		MINIMUM CAPACITY (MBH)	NUMBER OF STAGES					
RTU-1	7,000	500	.80	5.0	80.0	67.0	98.0	203,000	160,000	11.0	2	70	184,000	54	2	460/3/60	91.0	100	TFD210	1,2,3,4,5,6,7
RTU-2	7,000	500	.80	5.0	80.0	67.0	98.0	203,000	160,000	11.0	2	70	184,000	54	2	460/3/60	91.0	100	TFD210	1,2,3,4,5,6,7
RTU-3	2,000	200	.80	1.0	80.0	67.0	98.0	55,000	40,000	13.0	1	70	61,434	18	2	460/3/60	29.3	30.0	TSC060	1,2,3,4,5,6,7

**REMARKS:**

- PROVIDE UNIT WITH DISCONNECT SWITCH & ROOF CURB.
- PROVIDE UNIT WITH FACTORY MOUNTED GFCI RECEPTACLE FOR ELECTRICIAN TO WIRE TO SEPARATE CIRCUIT.
- PROVIDE UNIT WITH LOW AMBIENT CONTROL.
- PROVIDE 7 DAY PROGRAMMABLE THERMOSTAT.
- PROVIDE UNIT WITH ECONOMIZER.
- PROVIDE A WATER LEVEL SENSING DEVICE IN THE PRIMARY DRAIN PAN. THIS DEVICE SHALL SHUT OFF THE APPLIANCE IN THE EVENT THE PRIMARY DRAIN LINE BECOMES RESTRICTED.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRICAL COSTS IF ALTERNATE UNIT IS PROVIDED WITH GREATER ELECTRICAL CHARACTERISTICS THEN SHOWN.

### FAN SCHEDULE

MARK	LOCATION	CFM	MAXIMUM RPM	EXT. STATIC PRESSURE (N. W.C.)	HORSE POWER	CURRENT CHARAC.	LOCALLY SWITCHED BY	INTERLOCKED WITH	FAN TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
EF-1	MENS/WOMENS RESTROOMS	110	980	0.25	0.9 AMPS	120/1/60	SWITCH	—	CEILING MOUNTED	BROAN	ZB110L	1
EF-2	MENS/WOMENS RESTROOMS	110	980	0.25	0.9 AMPS	120/1/60	SWITCH	—	CEILING MOUNTED	BROAN	ZB110L	1

**REMARKS:**

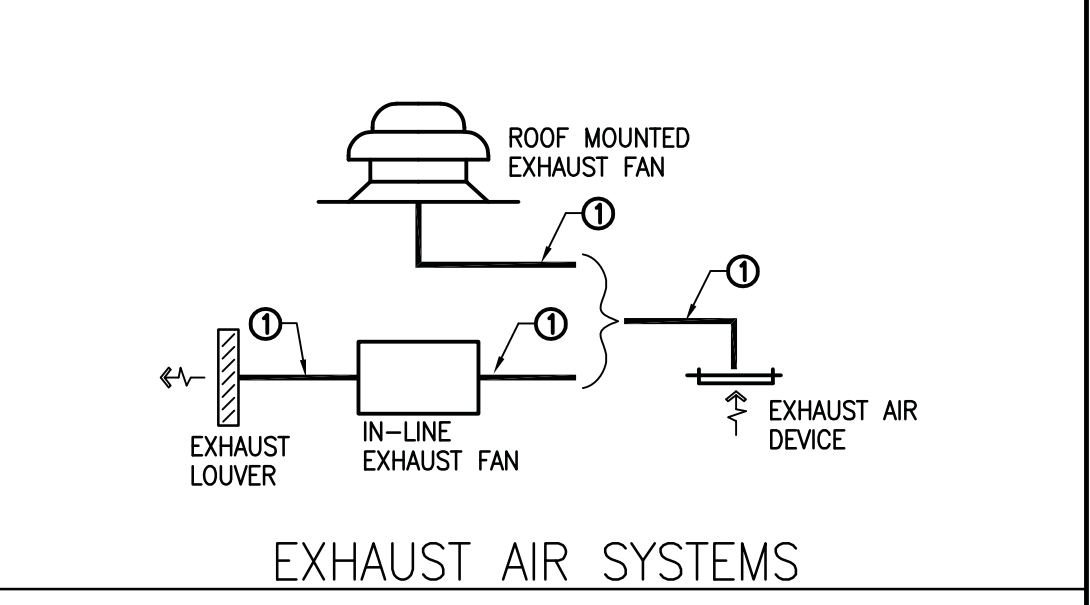
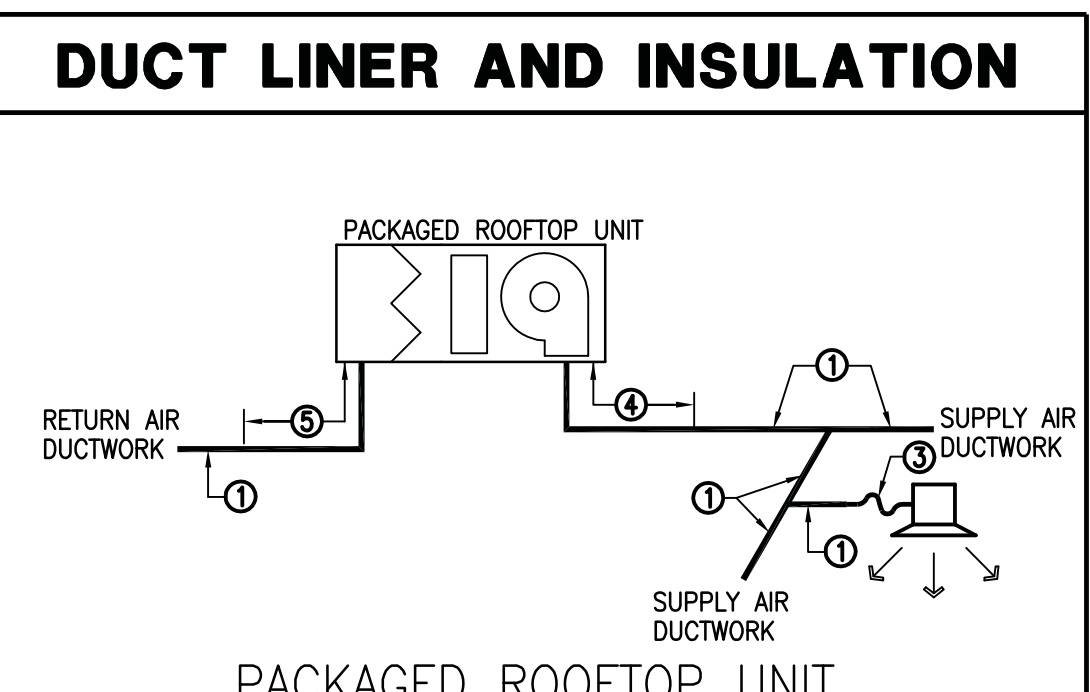
- PROVIDE WITH WHITE DESIGNER GRILLE

### GRILLE SCHEDULE

MARK	SERVICE	TYPE	DAMPER	CONSTRUCTION MATERIAL	FINISH COLOR	MANUFACTURER	MODEL NUMBER	REMARKS
A	SUPPLY AIR	DIFFUSER	OBD	STEEL	BLACK	TITUS	DL	SURFACE MOUNTED ON SPIRAL DUCT DOUBLE DEFLECTION. SIZE AS SHOWN ON DRAWINGS
B	RETURN AIR	GRILLE	—	STEEL	BLACK	TITUS	TMS	FRAME STYLE FOR EXPOSED T-BAR CEILING OR PLASTER FRAME. 12"X12" OR 24"X24" LOUVERED FACE.

**REMARKS:**

- N/A



- NOTES**
- SHEETMETAL DUCTWORK WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED.
  - SHEETMETAL DUCTWORK RETURN AIR PLENUM WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED.
  - FLEXIBLE DUCTWORK WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED.
  - SHEETMETAL DUCTWORK WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED AND 1" THICK 1-1/2 LB LINER AS SPECIFIED FROM AIR HANDLING UNIT DISCHARGE TO 10'-0" DOWNSTREAM.
  - SHEETMETAL DUCTWORK WITH EXTERNAL DUCTWORK INSULATION AS SPECIFIED AND 1" THICK 1-1/2 LB LINER AS SPECIFIED FROM AIR HANDLING UNIT INLET TO 10'-0" UPSTREAM.
  - EXHAUST DUCTWORK AS SPECIFIED WITH FIREBOARD INSULATION AS SPECIFIED.
  - SHEETMETAL DUCTWORK ONLY. NO INSULATION REQUIRED.

### GRILLE SIZING SCHEDULE

**STANDARD GRILLE**

DESIGNATES GRILLE TYPE (REFERENCE GRILLE SCHEDULE)

DESIGNATES GRILLE NECK SIZE (REFERENCE TABLE BELOW)

A1 100

SIZE OF FLEX OR RIGID DUCT CONNECTING GRILLE TO DUCTWORK—6"ø

AIR QUANTITY IN CFM TO TRAVERSE GRILLE

ALL GRILLES SHOWN SHALL BE FOUR-WAY THROW UNLESS OTHERWISE SHOWN.

**REGISTER OR NONSTANDARD GRILLE**

DESIGNATES GRILLE TYPE (REFERENCE GRILLE SCHEDULE)

DESIGNATES GRILLE NECK SIZE (REFERENCE TABLE BELOW)

A 300

12" x 10" 12" x 10"

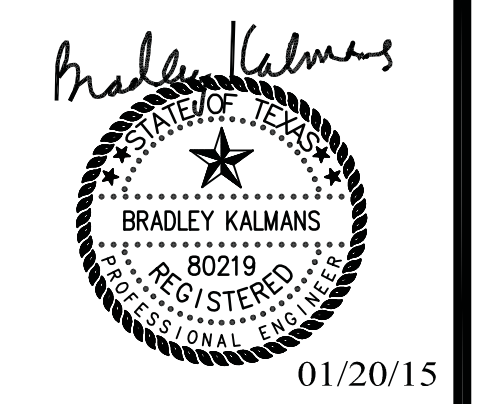
SIZE OF FLEX OR RIGID DUCT CONNECTING GRILLE TO DUCTWORK—12" x 10"

AIR QUANTITY IN CFM TO TRAVERSE GRILLE

ALL GRILLES SHOWN SHALL BE FOUR-WAY THROW UNLESS OTHERWISE SHOWN. ALL REGISTERS SHALL HAVE A 45° HORIZONTAL DEFLECTION UNLESS OTHERWISE SHOWN.

GRILLE SIZE DESIGNATION	GRILLE NECK SIZE	GRILLE SIZE DESIGNATION	GRILLE NECK SIZE
1	6" x 6"	7	15" x 15"
2	8" x 8"	8	16" x 16"
3	9" x 9"	9	18" x 18"
4	10" x 10"	10	20" x 20"
5	12" x 12"	11	22" x 22"
6	14" x 14"	12	24" x 24"

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MECHANICAL SCHEDULES

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