KITCHEN HOOD SCHEDULE

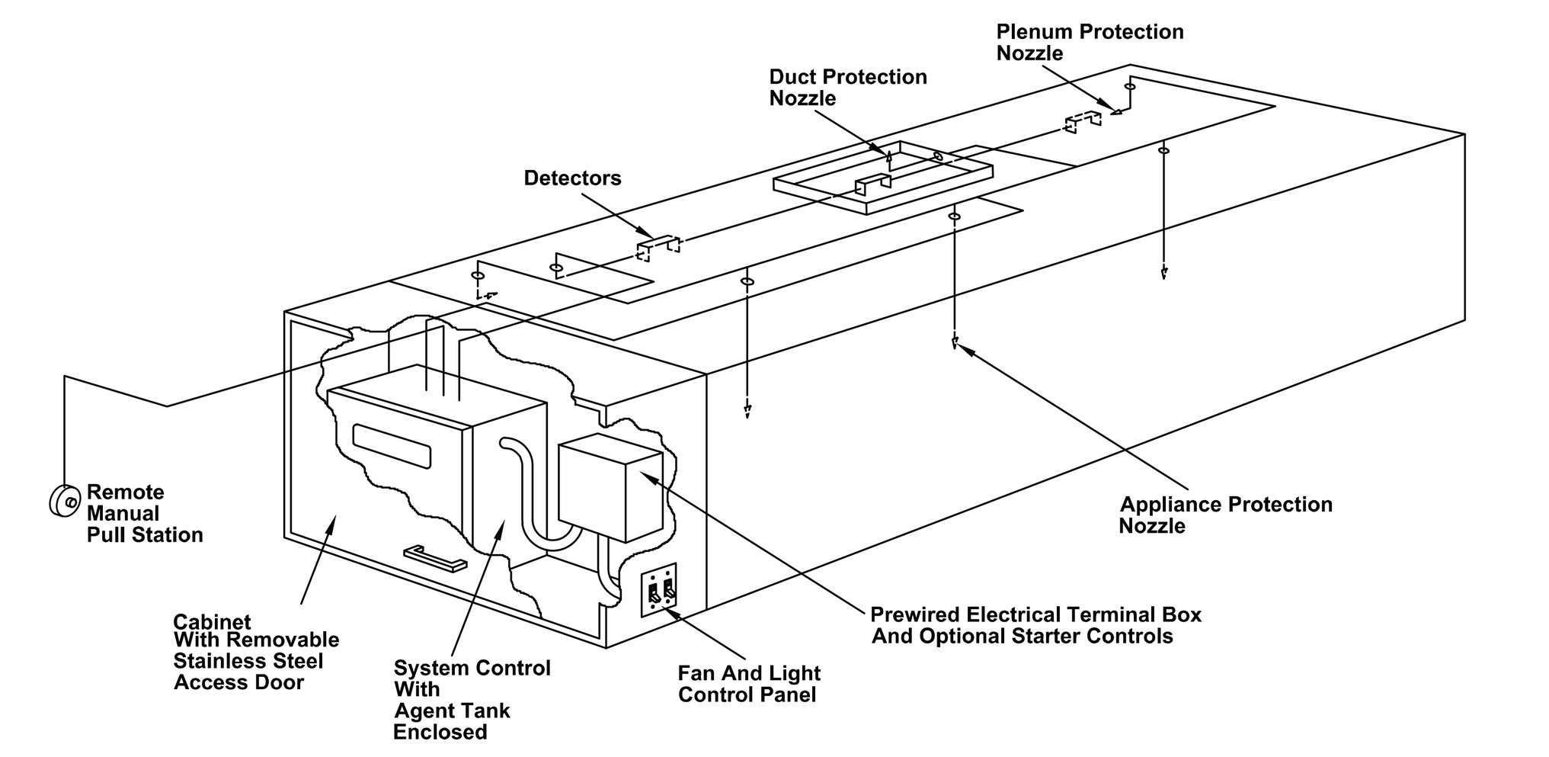
BUILDING	MANUFACTURER	MODEL	HOOD DIMENSIONS L	HOOD DIMENSIONS W	HOOD DIMENSIONS H	HOOD MATERIAL & FINISH	BOTTOM EDGE TYPE	LIGHTS TYPE	LIGHTS QTY	LIGHTS LENGTH	FACTORY CUT EXHAUST OPENING U	X	Y	Z	FILTERS TYPE	MATERIAL	16"x16"	16"x20"	16"x25"	SWITCHES LIGHTS QTY	SWITCHES FAN QTY	FAN VOLTAGE	HOOD OPTIONS
CHESTNUT RIDGE MIDDLE SCHOOL	KEES	KB	15'-0"	11'-0"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	6	36"	DEPENDENT ON FIELD CONDITIONS. MAINTAIN 1500-2300 FPM DUCT VELOCITY.				BAFFLE	ALUM	8	-	-	1	1	24VAC	1, 2, 3, 5
ELDORADO ELEMENTARY SCHOOL	KEES	KA	11'-6"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	24"					BAFFLE	ALUM	1	5	1	1	1	24VAC	1, 2, 3, 5
ELMWOOD ELEMENTARY SCHOOL	KEES	KA	11'-6"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	24"					BAFFLE	ALUM	1	5	1	1	1	24VAC	1, 2, 3, 5
FLEETWOOD ELEMENTARY SCHOOL	KEES	KA	8'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	2	24"					BAFFLE	ALUM	3	-	2	1	1	24VAC	1, 2, 4, 5
GRANDVIEW ELEMENTARY SCHOOL	KEES	KA	8'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	2	24"					BAFFLE	ALUM	3	-	2	1	1	24VAC	1, 2, 4, 5
HEMPSTEAD ELEMENTARY SCHOOL	KEES	KA	8'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	2	24"					BAFFLE	ALUM	3	-	2	1	1	24VAC	1, 2, 3, 5
KAKIAT ELEMENTARY SCHOOL	KEES	KB	10'-0"	10'-0"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	4	36"					BAFFLE	ALUM	4	4	4	1	1	24VAC	1, 2, 3, 5
LIME KILN ELEMENTARY SCHOOL	KEES	KA	11'-6"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	24"					BAFFLE	ALUM	1	5	1	1	1	24VAC	1, 2, 4, 5
MARGETTS ELEMENTARY SCHOOL	KEES	KA	12'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	24"					BAFFLE	ALUM	1	4	2	1	1	24VAC	1, 2, 3, 5
POMONA MIDDLE SCHOOL	KEES	KA	14'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	3	36"					BAFFLE	ALUM	-	6	2	1	1	24VAC	1, 2, 3, 5
SUMMIT PARK ELEMENTARY SCHOOL	KEES	KA	8'-0"	5'-2"	24"	304 STAINLESS - 18 GA #3 POLISH	X	LED	2	24"					BAFFLE	ALUM	3	-	2	1	1	24VAC	1, 2, 4, 5

1. 12" DEEP FIRE SUPPRESSION CABINET INSTALLED AT END OF HOOD; ADDS 12" TO THE 'L' DIMENSION SCHEDULED.
2. FACTORY PRE-PIPED AMEREX FIRE SUPPRESSION SYSTEM WITH FINAL HOOK-UP & CERTIFICATION COORDINATED BY VENDOR.
3. 304 STAINLESS STEEL CLOSURE PANELS
4. HOOD HEIGHT EXTENDS ABOVE CEILING; CONTRACTOR TO MAINTAIN CLEARANCE TO COMBUSTIBLE MATERIALS.
5. FACTORY MOUNTED FAN SWITCH CIRCUIT TO BE 24V FOR INTERLOCK WITH MOTOR STARTER BY OTHERS.

FAN SCHEDULE

EQUIPMENT TAG	BUILDING	SERVICE	MANUFACTURER	MODEL	TYPE	DRIVE	FAN C.F.M.	R.P.M.	EXTERNAL STATIC PRESSURE INCH H_2O	MOTOR POWER (HP)	FLA	VOLT.	PHASE	HZ.	SONES	WEIGHT (LBS)	REMARKS
EF-CRMS	CHESTNUT RIDGE MIDDLE SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-27	CENTRIFUGAL UPBLAST	BELT	8160	727	0.70	2	-	208	3	60	18.4	461	6, 10, 11, 12, 13, 14, 15
EF-EDES	ELDORADO ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-16	CENTRIFUGAL UPBLAST	BELT	3130	1359	0.75	3/4	-	208	3	60	15.5	165	2, 8, 11, 12, 13, 14, 15
EF-EWES	ELMWOOD ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-16	CENTRIFUGAL UPBLAST	BELT	3130	1359	0.75	3/4	-	208	3	60	15.5	165	2, 8, 11, 12, 13, 14, 15
EF-FES	FLEETWOOD ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-14	CENTRIFUGAL UPBLAST	BELT	2180	1406	0.72	3/4	-	208	3	60	12.4	141	1, 7, 11, 12, 13, 14, 15
EF-GES	GRANDVIEW ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-14	CENTRIFUGAL UPBLAST	BELT	2180	1406	0.72	3/4	-	208	3	60	12.4	141	1, 7, 11, 12, 13, 14, 15
EF-HES	HEMPSTEAD ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-14	CENTRIFUGAL UPBLAST	BELT	2180	1406	0.72	3/4	-	208	3	60	12.4	141	1, 7, 11, 12, 13, 14, 15
EF-KES	KAKIAT ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-22	CENTRIFUGAL UPBLAST	BELT	5440	903	0.72	2	-	208	3	60	13.3	225	5, 9, 11, 12, 13, 14, 15
EF-LKES	LIME KILN ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-16	CENTRIFUGAL UPBLAST	BELT	3130	1359	0.75	3/4	-	208	3	60	15.5	165	2, 8, 11, 12, 13, 14, 15
EF-MES	MARGETTS ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-18	CENTRIFUGAL UPBLAST	BELT	3265	1055	0.71	1	-	208	3	60	14.2	222	3, 9, 11, 12, 13, 14, 15
EF-PMS	POMONA MIDDLE SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-20	CENTRIFUGAL UPBLAST	BELT	3810	977	0.71	1	-	208	3	60	14.4	225	4, 9, 11, 12, 13, 14, 15
EF-SPES	SUMMIT PARK ELEMENTARY SCHOOL	KITCHEN HOOD	SOLER & PALAU	STXBRHUL-14	CENTRIFUGAL UPBLAST	BELT	2180	1406	0.72	3/4	-	208	3	60	12.4	141	1, 7, 11, 12, 13, 14, 15

1. DP STXB14 3/4 HP 1376-1575 RPM (5/8)
2. DP STXB16 3/4 HP 1201-1400 RPM (5/8)
3. DP STXB18 1 HP 1051-1200 RPM (7/8)
4. DP STXB20 1 HP 851-1000 RPM (7/8)
5. DP STXB22 2 HP 851-1000 RPM (7/8)
6. DP STXB27 2 HP 651-750 RPM (7/8)
7. GALV RESTAURANT CURB, TYPE SF (NON CANT) 18.5"x18.5", 24" HIGH, 4 VENTS, OMIT INSULATION AND RETAINER (GSF 18.5N24 4V OI)
8. GALV RESTAURANT CURB, TYPE SF (NON CANT) 22.5"x22.5", 24" HIGH, 4 VENTS, OMIT INSULATION AND RETAINER (GSF 22.5N24 4V OI)
9. GALV RESTAURANT CURB, TYPE SF (NON CANT) 28.5"x28.5", 24" HIGH, 4 VENTS, OMIT INSULATION AND RETAINER (GSF 28.5N24 4V OI)
10. GALV RESTAURANT CURB, TYPE SF (NON CANT) 34.5"x34.5", 24" HIGH, 4 VENTS, OMIT INSULATION AND RETAINER (GSF 34.5N24 4V OI)
11. GREASE GRABBER ASSEMBLY TXB/TXD
12. HINGE KIT STXB/STXD/SDB/SDBD
13. METAL FAN TAG
14. FACTORY MOUNTED & WIRED DISCONNECT SWITCH FOR DB/TXB
15. NEMA 3 3-PHASE 208V-480V SW/ASSY 'COVER & SWITCH ONLY'



System Components

- Regulated Release Mechanism - actuates system and shuts down cooking equipment fuel supply and supply fan.
- Agent Tank - R-102 Tank contains liquid fire suppression agent.
- Detection System - consists of fusible links selected for the application and hardware to connect them to the regulated release mechanism.
- Discharge Nozzles - chosen and placed in the hood according to the application, they direct the fire suppression agent to the plenum, exhaust duct and cooking equipment.
- Fuel & Equipment Shutoff Devices - mechanical or electrical solenoid gas valve and double pole, double throw micro switch.
- Remote Pull Station - allows for manual actuation of the system and is located at the exit point of the kitchen.
- Self-Contained System - cabinet constructed of the hood material is attached to either side of the hood as specified. It is depicted above with the included and the optional components shown inside.

1 MG002 Kitchen Hood Fire Suppression System Detail
N.T.S.

Kitchen Exhaust Hood Notes:

1. ALL GREASE DUCTS SHALL BE CONSTRUCTED OF BLACK STEEL NOT LESS THAN 0.055 INCH (NO. 16 GAGE) IN THICKNESS OR STAINLESS STEEL NOT LESS THAN 0.044 INCH (NO. 18 GAGE) IN THICKNESS.
2. JOINTS, SEAMS AND PENETRATIONS OF GREASE DUCTS SHALL BE MADE WITH A CONTINUOUS LIQUID-TIGHT WELD OR BRAZE MADE ON THE EXTERNAL SURFACE OF THE DUCT SYSTEM.
3. A VIBRATION ISOLATION CONNECTOR CONNECTING THE DUCT TO THE FAN SHALL CONSIST OF NONCOMBUSTIBLE PACKING IN A METAL SLEEVE JOINT OF APPROVED DESIGN OR SHALL BE A COATED-FABRIC FLEXIBLE DUCT CONNECTOR LISTED AND LABELED FOR THE APPLICATION. VIBRATION ISOLATION CONNECTORS SHALL BE INSTALLED ONLY AT THE CONNECTION OF A DUCT TO A FAN INLET OR OUTLET.
4. PRIOR TO THE USE OR CONCEALMENT OF ANY PORTION OF A GREASE DUCT SYSTEM, A LEAKAGE TEST SHALL BE PERFORMED IN THE PRESENCE OF THE CODE ENFORCEMENT OFFICIAL. DUCTS SHALL BE CONSIDERED TO BE CONCEALED WHERE INSTALLED IN SHAFTS OR COVERED BY COATINGS OR WRAPS THAT PREVENT THE DUCTWORK FROM BEING VISUALLY INSPECTED ON ALL SIDES. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE NECESSARY EQUIPMENT AND PERFORM THE GREASE DUCT LEAKAGE TEST. A LIGHT TEST OR AN APPROVED EQUIVALENT TEST METHOD SHALL BE PERFORMED TO DETERMINE THAT ALL WELDED AND BRAZED JOINTS ARE LIQUID TIGHT. A LIGHT TEST SHALL BE PERFORMED BY PASSING A LAMP HAVING A POWER RATING OF NOT LESS THAN 100 WATTS THROUGH THE ENTIRE SECTION OF DUCT WORK TO BE TESTED. THE LAMP SHALL BE OPEN SO AS TO EMIT LIGHT EQUALLY IN ALL DIRECTIONS PERPENDICULAR TO THE DUCT WALLS.
5. A TEST SHALL BE PERFORMED FOR THE ENTIRE DUCT SYSTEM, INCLUDING THE HOOD-TO-DUCT CONNECTION. THE DUCTWORK SHALL BE PERMITTED TO BE TESTED IN SECTIONS, PROVIDED THAT EVERY JOINT IS TESTED.
6. GREASE DUCT SYSTEMS AND EXHAUST EQUIPMENT SERVING A TYPE I HOOD SHALL HAVE A CLEARANCE TO COMBUSTIBLE CONSTRUCTION OF NOT LESS THAN 18", AND SHALL HAVE A CLEARANCE TO NONCOMBUSTIBLE CONSTRUCTION AND GYPSUM WALLBOARD ATTACHED TO NONCOMBUSTIBLE STRUCTURES OF NOT LESS THAN 3".
7. DUCT SYSTEMS SERVING A TYPE I HOOD SHALL BE CONSTRUCTED AND INSTALLED SO THAT GREASE CANNOT COLLECT IN ANY PORTION THEREOF, AND THE SYSTEM SHALL SLOPE NOT LESS THAN ONE-FOURTH UNIT VERTICAL IN 12 UNITS HORIZONTAL (2% SLOPE) TOWARD THE HOOD OR TOWARD AN APPROVED GREASE RESERVOIR.
8. TYPE I HOOD SYSTEMS SHALL BE DESIGNED AND INSTALLED TO AUTOMATICALLY ACTIVATE THE EXHAUST FAN WHENEVER COOKING OPERATIONS OCCUR. THE ACTIVATION OF THE EXHAUST FAN SHALL OCCUR THROUGH AN INTERLOCK WITH THE COOKING APPLIANCES, BY MEANS OF HEAT SENSORS OR BY MEANS OF OTHER APPROVED METHODS.
9. TYPE I HOODS SHALL BE CONSTRUCTED OF STAINLESS STEEL NOT LESS THAN 0.037 INCH (NO. 20 MSG) IN THICKNESS. EXTERNAL HOOD JOINTS, SEAMS AND PENETRATIONS FOR TYPE I HOODS SHALL BE MADE WITH A CONTINUOUS EXTERNAL LIQUID-TIGHT WELD OR BRAZE TO THE LOWEST OUTERMOST PERIMETER OF THE HOOD. INTERNAL HOOD JOINTS, SEAMS, PENETRATIONS, FILTER SUPPORT FRAMES, AND OTHER APPENDAGES ATTACHED INSIDE THE HOOD SHALL NOT BE REQUIRED TO BE WELDED OR BRAZED BUT SHALL BE OTHERWISE SEALED TO BE GREASE TIGHT.
10. A HOOD SHALL BE DESIGNED TO PROVIDE FOR THOROUGH CLEANING OF THE ENTIRE HOOD. GREASE GUTTERS SHALL DRAIN TO AN APPROVED COLLECTION RECEPTACLE THAT IS FABRICATED, DESIGNED AND INSTALLED TO ALLOW ACCESS FOR CLEANING.
11. MAKEUP AIR SHALL BE SUPPLIED DURING THE OPERATION OF COMMERCIAL KITCHEN EXHAUST SYSTEMS THAT ARE PROVIDED FOR COMMERCIAL COOKING APPLIANCES. THE MAKEUP AIR SHALL NOT REDUCE THE EFFECTIVENESS OF THE EXHAUST SYSTEM. FOR MECHANICAL MAKEUP AIR SYSTEMS, THE EXHAUST AND MAKEUP AIR SYSTEMS SHALL BE ELECTRICALLY INTERLOCKED TO INSURE THAT MAKEUP AIR IS PROVIDED WHENEVER THE EXHAUST SYSTEM IS IN OPERATION.
12. A PERFORMANCE TEST SHALL BE CONDUCTED UPON COMPLETION AND BEFORE FINAL APPROVAL OF THE INSTALLATION OF A VENTILATION SYSTEM SERVING COMMERCIAL COOKING APPLIANCES. THE TEST SHALL VERIFY THE RATE OF EXHAUST AIRFLOW REQUIRED, MAKEUP AIRFLOW REQUIRED , AND PROPER OPERATION. THE CONTRACTOR SHALL FURNISH THE NECESSARY TEST EQUIPMENT AND DEVICES REQUIRED TO PERFORM THE TESTS.
13. THE CONTRACTOR SHALL VERIFY CAPTURE AND CONTAINMENT PERFORMANCE OF THE EXHAUST SYSTEM. THIS FIELD TEST SHALL BE CONDUCTED WITH ALL APPLIANCES UNDER THE HOOD AT OPERATING TEMPERATURES, WITH ALL SOURCES OF OUTDOOR AIR PROVIDING MAKEUP AIR FOR THE HOOD OPERATING AND WITH ALL SOURCES OF RECIRCULATED AIR PROVIDING CONDITIONING FOR THE SPACE IN WHICH THE HOOD IS LOCATED OPERATING. CAPTURE AND CONTAINMENT SHALL BE VERIFIED VISUALLY BY OBSERVING SMOKE OR STEAM PRODUCED BY ACTUAL OR SIMULATED COOKING, SUCH AS WITH SMOKE CANDLES, SMOKE PUFFERS, ETC.
14. CONTRACTOR TO PROVIDE APPROPRIATE SUPPORT FOR HOODS TO EXISTING STRUCTURE. ATTACHMENT SYSTEM (BOLTS, RODS, ETC.) AS PER MANUFACTURER RECOMMENDATIONS FOR TYPE OF EXISTING STRUCTURE AND HOOD WEIGHT.

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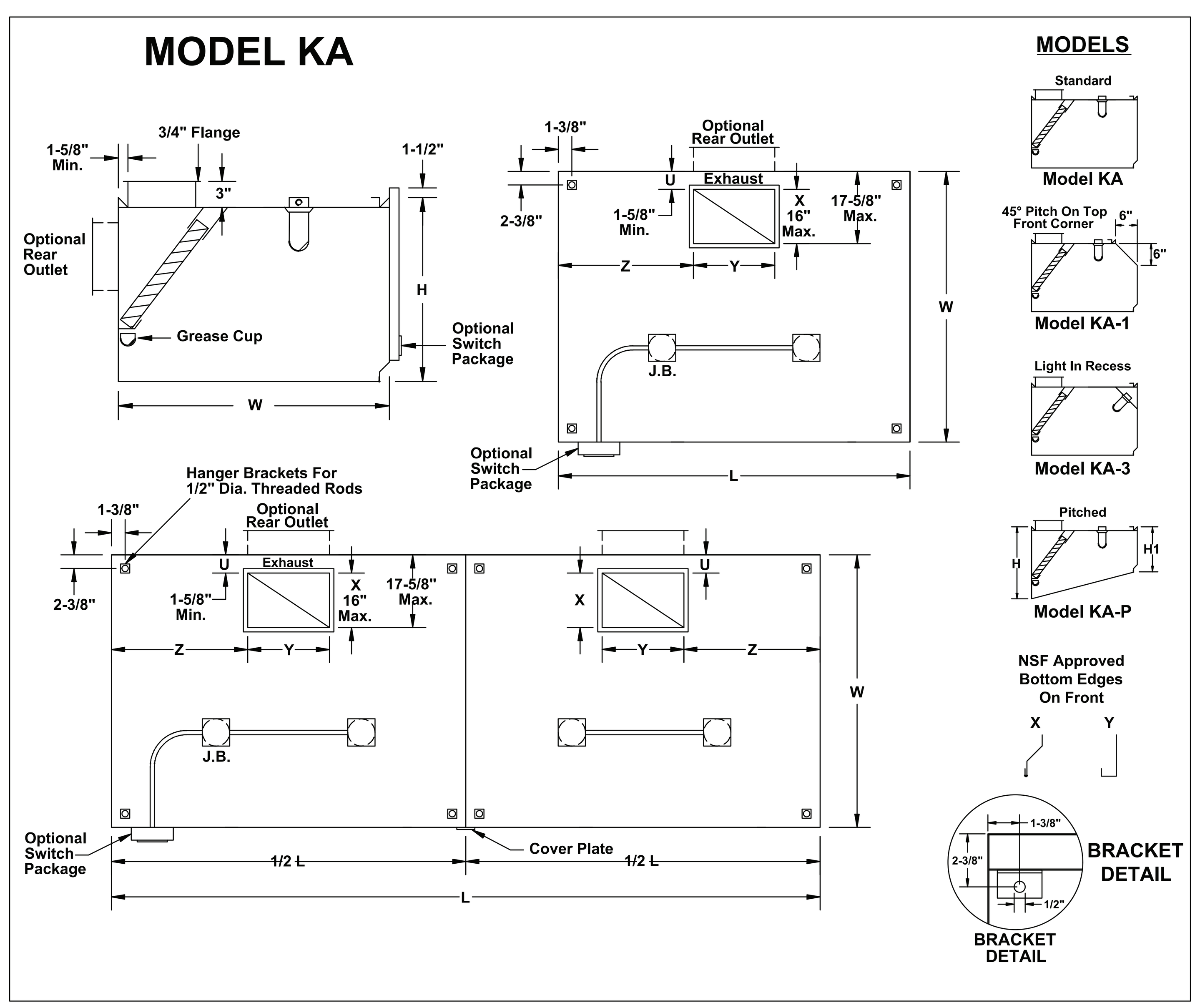
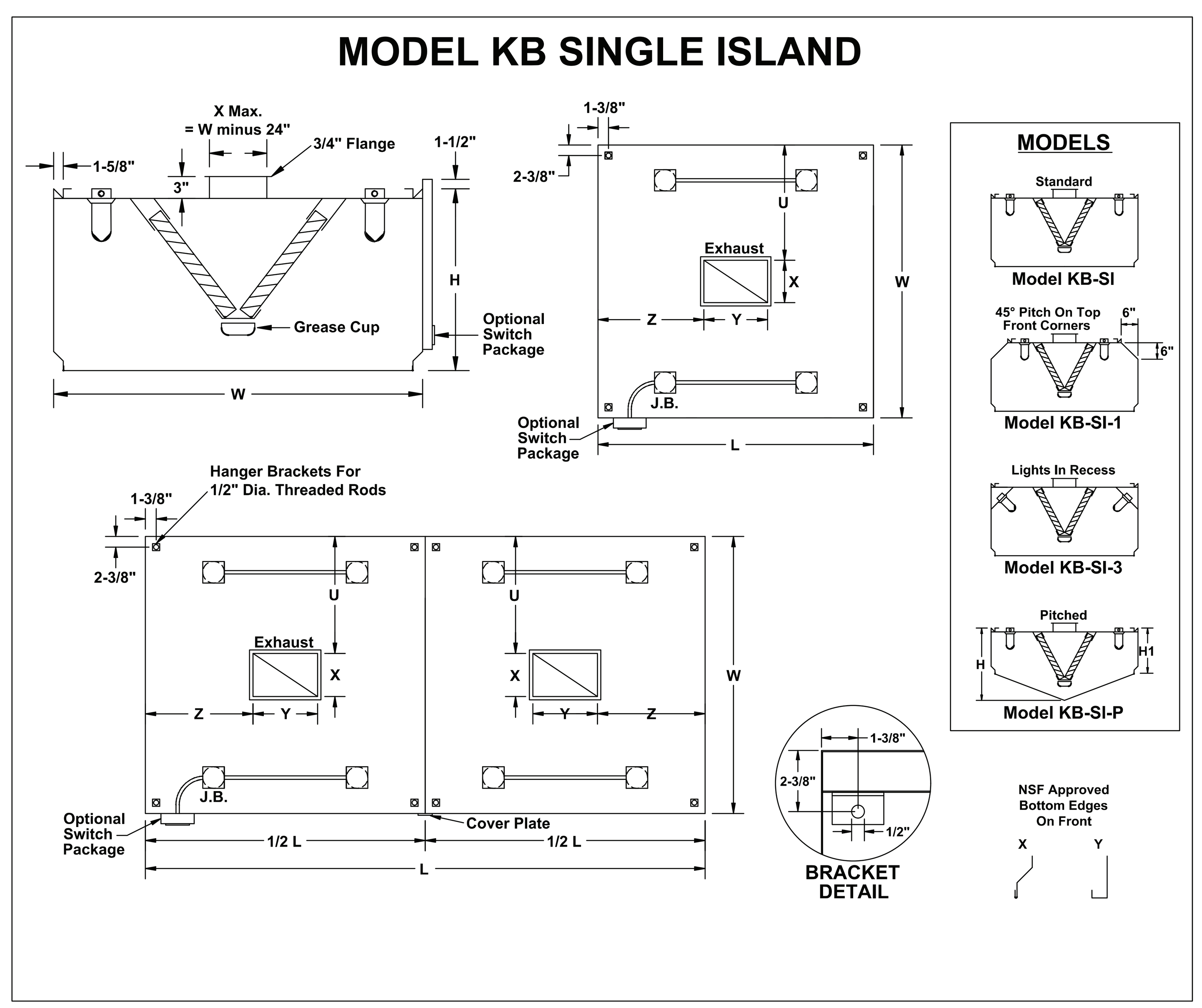
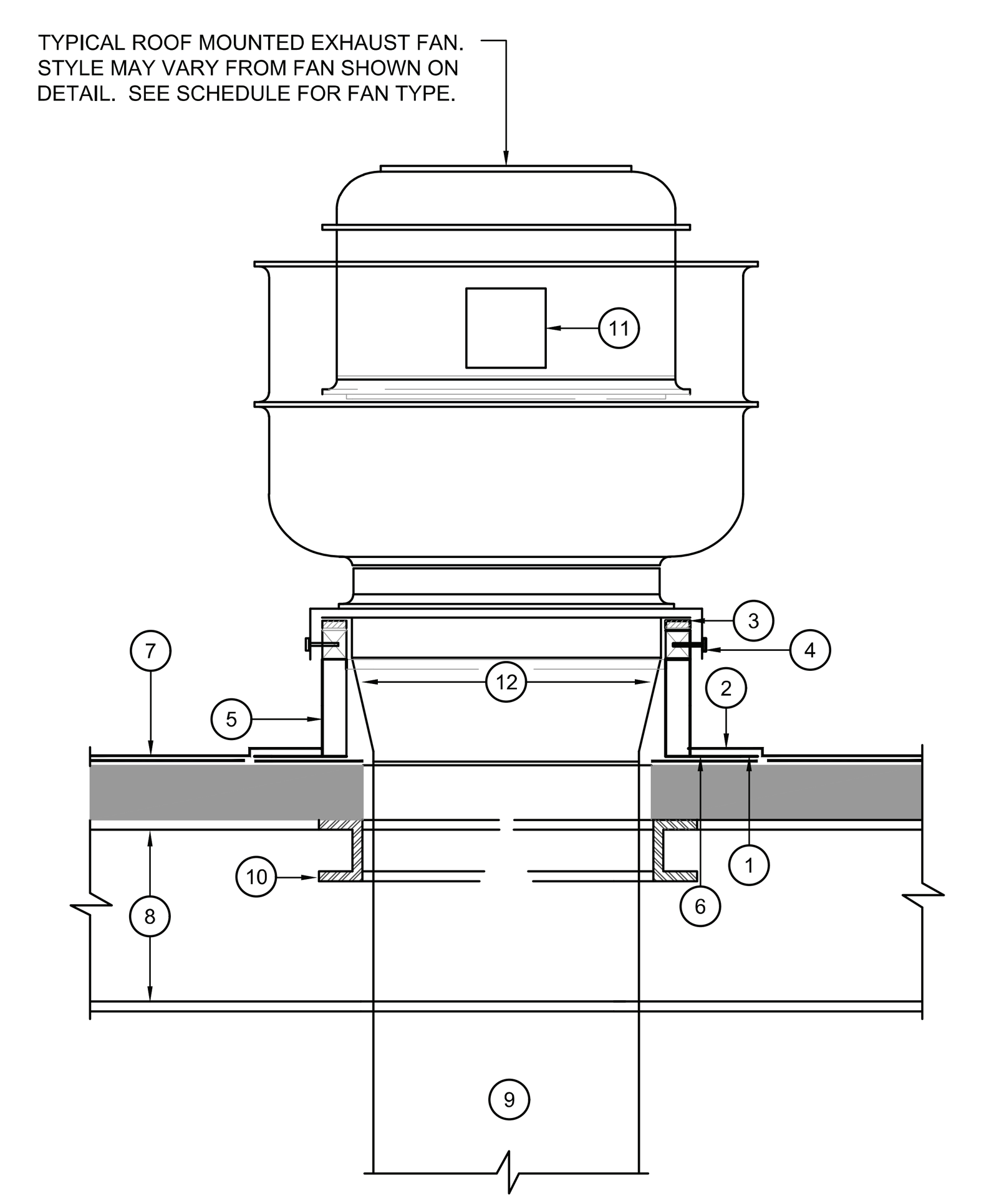


2 MG002 Canopy Type Kitchen Hood Detail
N.T.S.



3 MG002 Island Type Kitchen Hood Detail
N.T.S.



4 MG002 Roof Mounted Exhaust Fan Detail
N.T.S.

Keyed Notes:

1. SECURE FAN ROOF CURB TO ROOF WITH SHEET METAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION. SECURE FAN ROOF CURB TO ROOF USING FASTENERS AT 12" O.C. BEFORE APPLYING ROOFING MATERIAL & INSULATION. (IF REQUIRED) MINIMUM OF 2 FASTENERS PER SIDE.
2. ROOFING MATERIAL TO EXTEND UP AND OVER TOP OF FAN CURB.
3. NEOPRENE GASKET APPLIED TO TOP OF FAN CURB.
4. SECURE FAN TO ROOF CURB WITH SHEET METAL SCREWS AT 12" O.C. ALL AROUND.
5. VENTILATED ROOF CURB BY FAN MANUFACTURER.
6. SEAL ROOF AREA BELOW CURB WITH SILICONE CAULK.
7. ROOF MEMBRANE, REFER TO ARCHITECTURAL DRAWINGS.
8. ROOF STRUCTURE, REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS FOR DETAILS.
9. DUCTWORK
10. FRAMED ROOF OPENING - REFER TO ARCHITECTURAL & STRUCTURAL DRAWINGS.
11. UNIT MOUNTED DISCONNECT SWITCH
12. TRANSITION DUCT AS REQUIRED TO CONNECT TO FAN & DAMPER

General Notes:

1. ROOF CURB AND ROOF OPENING DIMENSIONS SHALL BE DETERMINED BY FAN MANUFACTURER.

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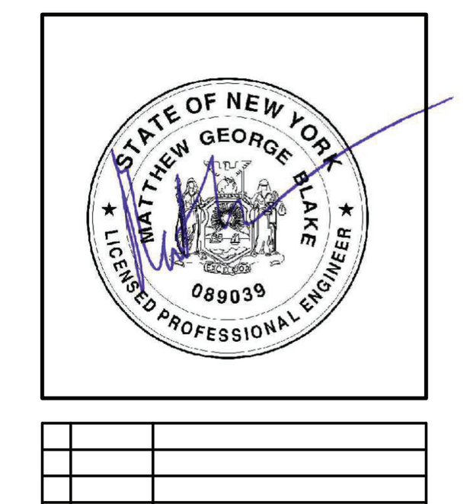
Project Title
EAST RAMAPO CENTRAL SCHOOL DISTRICT
DISTRICT WIDE KITCHEN HOOD REPLACEMENT
MULTIPLE SCHOOL BUILDINGS



#	DATE	DESCRIPTION
2	05-25-2022	BID ADDENDUM 2

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Sheet Title
MECHANICAL SCHEDULES & DETAILS

Sheet No.
ERCSD MG002

CONSTRUCTION DOCUMENTS