

ADDENDUM #5

New bid Opening Date: August 31, 2023 at 11:00am

Drawing attached



Addendum

Addendum Date: August 21, 2023
Written To: Max Kasper
Project Name: Swampscott Community Center Range
CES Project Number: 2021535.00
Written By: David Hillburn

The work shall be carried out in accordance with the following supplemental instructions and in accordance with the Contract Documents.

Description: Revisions to add Alternate #1 for 5'-6" range

hood. **M0.00: ADD** Alternate #1 description.

M5.00: ADD Alternate #1 Fan Schedule

M5.01: ADD Alternate #1 Range Hood Schedule

Attachments:

M0.00

M5.00

M5.01

GENERAL NOTES	
GENERAL	
1.	GENERAL NOTES, SYMBOLS AND DETAILS ARE APPLICABLE TO ALL DRAWINGS WITHIN DIVISION 23.
2.	DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO INDICATE CAPACITY, SIZE, APPROXIMATE LOCATION AND GENERAL ARRANGEMENT. DETERMINE EXACT LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
3.	COORDINATE ROOF AND WALL PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS. COORDINATE SLAB PENETRATIONS WITH WORK OF OTHER SECTIONS.
4.	RUN DUCTS AND PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE OR AS APPROVED BY THE ARCHITECT.
5.	INSTALL SENSORS (TEMPERATURE, HUMIDITY, CO ₂ , THERMOSTATS) AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY ARCHITECT. MOUNTING HEIGHT AFF SHALL COMPLY WITH ADA AND SHALL BE MOUNTED LEVEL WITH ADJACENT SWITCHES (IE LIGHT SWITCHES).
6.	COORDINATE WORK OF THIS SECTION WITH THAT OF OTHER SECTIONS AND WITH ALL TRADES INVOLVED. PROVIDE OFFSETS IN PIPING AND DUCTS (INCLUDING DIVIDED DUCTS) AND TRANSITIONS AROUND OBSTRUCTIONS.
7.	NOT ALL ACCESS DOORS HAVE BEEN SHOWN ON THE PLANS FOR CLARITY. PROVIDE ACCESS PANELS THROUGH BUILDING ASSEMBLIES TO SERVICE AND MAINTAIN EQUIPMENT UNLESS SUCH EQUIPMENT IS INSTALLED IN EXPOSED LOCATIONS OR ABOVE LAY-IN CEILINGS. COORDINATE THE LOCATION OF ACCESS DOORS AND PANELS AND VERIFY THE EXACT QUANTITY, SIZE, AND LOCATIONS AFTER THE SYSTEMS AND EQUIPMENT REQUIRING ACCESS HAVE BEEN INSTALLED AND PRIOR TO THE CLOSURE OF THE AFFECTED CEILINGS AND BUILDING ASSEMBLIES. OBTAIN APPROVAL FOR ALL PANEL LOCATIONS FROM ARCHITECT.
8.	AT SUBSTANTIAL COMPLETION, THE FOLLOWING ITEMS, NEW OR EXISTING, SHALL BE FULLY AND REASONABLY ACCESSIBLE: HVAC CONTROL BOXES, JUNCTION BOXES, VALVES, DDC CONTROL BOXES, ELECTRICAL PANELS, FILTERS, BELTS, WATER COILS, DISCONNECT SWITCHES AND ELEMENTS OF EQUIPMENT REQUIRING MAINTENANCE. "FULLY AND REASONABLY ACCESSIBLE" SHALL BE DEFINED AS NATIONAL ELECTRIC CODE REQUIRED CLEARANCE FOR POWERED EQUIPMENT AND CAPABLE OF BEING ACCESSED OR SERVICED WITHOUT REMOVING, MODIFYING OR DISTORTING OTHER COMPONENTS OF THE WORK. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCE FOR ALL EQUIPMENT.
9.	SUPPORT EQUIPMENT, PIPING AND DUCTWORK FROM BUILDING STRUCTURE OR WITH STEEL SUPPORTS AND PLATFORMS AS REQUIRED. PROVIDE VIBRATION ISOLATION FOR ROTATING EQUIPMENT, DUCTWORK AND PIPING IN ACCORDANCE WITH THE SPECIFICATIONS.
10.	ROOF CURB AND RAIL HEIGHTS INDICATED ARE THE DIMENSIONS BETWEEN THE ROOF SURFACE AND THE TOPS OF THE CURBS AND RAILS, WHERE THE ROOF IS PITCHED. CONSTRUCT CURBS AND RAILS SUCH THAT THE BOTTOM PITCHES WITH THE ROOF AND THE TOP IS LEVEL.
11.	CONTROL WIRING METHODS SHALL COMPLY WITH NEC, AND DIVISION 26 SPECIFICATIONS.
12.	VERIFY ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S DRAWINGS. VERIFY AND PROVIDE FITTINGS TO TRANSMISSION TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DIMENSIONS BEFORE FABRICATION.
13.	PERFORM PRESSURE AND LEAKAGE TESTS BEFORE INSULATING DUCTWORK AND PIPING.
AIR SYSTEM SPECIFIC NOTES:	
1.	REFER TO SPECIFICATIONS FOR DUCTWORK CONSTRUCTION CLASSES, SEAL, AND LEAKAGE CLASSES.
2.	INTERNAL AIR FLOW DIMENSIONS ARE SHOWN FOR DUCTS. CONTRACTOR SHALL INCREASE SHEETMETAL SIZE FOR LINER IF APPLICABLE.
3.	ELBOWS IN DUCT SYSTEMS SHALL BE FULL RADIUS (CENTERLINE RADIUS = 1.5 DUCT WIDTH WHERE SPACE PERMITS; WHERE LIMITED CLEARANCE OCCURS, PROVIDE SHORT RADIUS ELBOW WITH FULL LENGTH SPLITTER VANES PER SMACNA, OR MITERED ELBOW WITH TURNING VANES PER SMACNA.
4.	PROVIDE CLEANOUTS IN KITCHEN EXHAUST DUCTS AT CHANGES IN DIRECTION AND BASES OF RISERS, AND EVERY 10 FEET IN STRAIGHT RUNS.
5.	WHERE DUCTS PENETRATE WALLS WITH SOUND ISOLATION PERFORMANCE RATINGS, PROVIDE DUCT SLEEVE SIZED TO PROVIDE 1/4" GAP BETWEEN THE SLEEVE AND DUCT. FILL THE GAP WITH FIBEROUS MATERIAL AND SEAL AIRTIGHT WITH NON-HARDENING ACOUSTIC SEALANT.
6.	KITCHEN: COORDINATE REQUIREMENTS WITH KITCHEN EQUIPMENT. PROVIDE DUCTWORK AND ACCESSORIES FOR GREASE HOOD. GREASE DUCT EXHAUST SHALL PITCH BACK TO HOOD.
FIRESTOPPING NOTES:	
1.	PROVIDE FIRE STOPPING AND SMOKE BARRIER SEALING OF ALL PENETRATIONS THROUGH FIRE OR SMOKE WALLS, BARRIERS AND PARTITIONS AS REQUIRED TO MAINTAIN RATING. REFER TO ARCHITECTURAL FLOOR PLANS AND CODE SHEETS FOR WALL RATINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

ALTERNATE #1 - 5'-6" RANGE HOOD

PROVIDE PRICING FOR 5'-6" LENGTH RANGE HOOD KH-1 IN LIEU OF 4'-6" HOOD KH-1. PROVIDE PRICING FOR CORRESPONDING 960 CFM EXHAUST FAN. SEE ALTERNATE HOOD SCHEDULE M5.01 AND ALTERNATE FAN SCHEDULE M5.00 FOR DETAILS. ALL OPTIONS AND ACCESSORIES NOTED FOR BASE RANGE HOOD TO BE INCLUDED IN ALTERNATE.

DEMOLITION NOTES	
1.	SITE VISIT: THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. BEFORE SUBMITTING BID, VISIT AND CAREFULLY EXAMINE SITE TO IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT WORK OF THIS SECTION. NO EXTRA PAYMENT WILL BE ALLOWED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVER.
2.	PREPARATORY WORK: BEFORE STARTING WORK IN A PARTICULAR AREA OF THE PROJECT, VISIT SITE AND EXAMINE CONDITIONS UNDER WHICH WORK MUST BE PERFORMED INCLUDING PREPARATORY WORK DONE UNDER OTHER SECTIONS OR CONTRACTS BY OWNER. REPORT CONDITIONS THAT MIGHT AFFECT WORK ADVERSELY IN WRITING TO ARCHITECT AND OWNER. DO NOT PROCEED WITH WORK UNTIL DEFECTS HAVE BEEN CORRECTED AND CONDITIONS ARE SATISFACTORY. COMMENCEMENT OF WORK SHALL BE CONSTRUED AS COMPLETE ACCEPTANCE OF EXISTING CONDITIONS AND PREPARATORY WORK.
3.	PHASING: DEMOLITION WORK SHALL COMPLY WITH THE PHASING REQUIREMENTS OF THE PROJECT AND BE COORDINATED WITH THE OWNER, ARCHITECT, CM AND ENGINEER. NO REMOVALS SHALL BE IMPLEMENTED WITHOUT A THOROUGH UNDERSTANDING OF THE PHASING REQUIREMENTS.
4.	ABANDONING OF DUCTWORK, PIPING OR EQUIPMENT IN PLACE WITHIN SCOPE AREA IS PROHIBITED.
5.	PROVIDE 2 WEEKS NOTICE TO OWNER FOR SHUT DOWN OF ANY SERVICES AND/OR SYSTEMS.
6.	COORDINATE EXISTING EQUIPMENT AND MATERIALS THAT SHALL REMAIN THE PROPERTY OF THE OWNER. ITEMS OF VALUE WHICH ARE NOT DIRECTED TO BE RETURNED TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF, STORAGE OR SALE OF ITEMS ON THE PROJECT SITE IS PROHIBITED.
7.	PROTECTION: ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND THE BUILDING DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO PROPERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE. IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING DAMAGED. TAKE EFFECTIVE MEASURES TO PREVENT WINDBLOWN DUST.
8.	UTILITIES: MAINTAIN ALL UTILITIES EXCEPT THOSE REQUIRING REMOVAL OR RELOCATION. KEEP UTILITIES IN SERVICE AND PROTECT FROM DAMAGE. DO NOT INTERRUPT UTILITIES SERVING OCCUPIED AREAS WITHOUT FIRST OBTAINING PERMISSION FROM THE OWNER IN WRITING. PROVIDE TEMPORARY SERVICES AS REQUIRED.
9.	INFORMATION CONTAINED ON THESE DRAWINGS WAS OBTAINED FROM ARCHIVED DRAWINGS AND SITE VISITS. DRAWINGS ARE DIAGRAMMATIC ONLY AND REFLECT OVERALL SYSTEM REMOVAL, NOT EVERY ITEM OR COMPONENT OF A SYSTEM IS SHOWN. PROVIDE COMPLETE REMOVAL OF ASSOCIATED ANGLIARY PIPES, HANGERS, VALVES AND ACCESSORIES SERVING SYSTEM SHOWN.
10.	DEMOLITION WORK SHALL COMPLY WITH OSHA, EPA AND APPLICABLE STATE AND LOCAL CODES. COMPLY WITH HAULING AND DISPOSAL REGULATIONS.
11.	REFER TO SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS AND PROCEDURES.

CONTROLS LEGEND		
PLAN SYMBOL	DIAGRAM SYMBOL	DESCRIPTION
AI		ANALOG INPUT
AO		ANALOG OUTPUT
DI		DIGITAL INPUT
DO		DIGITAL OUTPUT
AFMS		AIR FLOW MEASURING STATION
C		CARBON DIOXIDE SENSOR
CO		CARBON MONOXIDE SENSOR
IT		CURRENT SENSING RELAY AND TRANSMITTER
DPS		DIFFERENTIAL PRESSURE SWITCH
DPT		DIFFERENTIAL PRESSURE SENSOR AND TRANSMITTER
FSD		FIRE / SMOKE DAMPER
FS		FLOW SWITCH
HE		HUMIDITY SENSOR
HS		HUMIDITY SWITCH - HIGH LIMIT
ZS		POSITION SWITCH ASSOCIATED WITH VALVE OR DAMPER
PE		PRESSURE SENSOR
PSH		PRESSURE SWITCH - HIGH LIMIT
PSL		PRESSURE SWITCH - LOW LIMIT
SMD		SMOKE DAMPER
SD		SMOKE DETECTOR
TE		THERMOSTAT - STAND ALONE
TE		THERMOSTAT - DDC/BAS
TSH		TEMPERATURE SWITCH - HIGH LIMIT
TSL		TEMPERATURE SWITCH - LOW LIMIT
BMS		DDC CONTROL PANEL NETWORKED TO BMS
VFD		VARIABLE FREQUENCY DRIVE
BYP		VFD BYPASS
VRF		VRF CONTROL PANEL

ACTUATOR LEGEND	
SYMBOL	DESCRIPTION
	DAMPER OR VALVE WITH TWO POSITION ACTUATOR
	DAMPER OR VALVE WITH MODULATING ACTUATOR

GENERAL ABBREVIATIONS	
AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
AHJ	AUTHORITY HAVING JURISDICTION
AP	ACCESS PANEL
CNV	CONVECTOR
APD	AIR PRESSURE DROP
AWT	AVERAGE WATER TEMPERATURE
BAS	BUILDING AUTOMATION SYSTEM
BF	BYPASS FEEDER
BHP	BREAK HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BTU	BRITISH THERMAL UNIT
BTUH	BTU / HOUR
BOB	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
CRD	CEILING RADIATION DAMPER
CAP	CAPACITY
CO	CLEAN OUT
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CFM	CUBIC FEET PER MINUTE
CFM2	CUBIC FEET PER MINUTE
IB	INCHES
DB	DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DN	DOWN
DX	DIRECT EXPANSION
EAT	EXHAUST AIR
EA	ENTERING AIR TEMPERATURE (DRY BULB)
EDB	ENTERING DRY BULB
EER	ENERGY EFFICIENCY RATIO
ELEC	ELECTRICAL
ESP	EXISTING TO BE RELOCATED
EWT	EXTERNAL STATIC PRESSURE
EWRT	EXISTING TO REMAIN
EWRT	ENTERING WET BULB
EWRT	ENTERING WATER TEMPERATURE
F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FEET	FEET
FT	FEET WATER GAUGE
FLA	FULL LOAD AMPS
FLM	FEET PER MINUTE
FSD	COMBINATION FIRE SMOKE DAMPER
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GRD	GRILLE, REGISTER, DIFFUSER
HD	HEAD
HP	HORSEPOWER
HSPF	HEATING SEASON PERFORMANCE FACTOR
HZ	HERTZ
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IN	INCHES
IN WG	INCHES WATER GAUGE
PLV	INTEGRATED PART LOAD VALUE
KW	KILOWATTS
L	LEAVE
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MECH	MECHANICAL
MBH	THOUSANDS OF BTU / HOUR
MCB	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
NC	NOT IN CONTRACT
NTS	NOT TO SCALE
OAT	OUTSIDE AIR TEMPERATURE
OD	OUTER DIAMETER
OED	OPEN ENDED DUCT
P	PUMP
PH	PHASE
PLUMB	PLUMBING
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAUGE
QTY	QUANTITY
RA	RETURN AIR
RPM	REDUCTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
RV	RADON VENT
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SG	SIGHT GLASS
SP	STATIC PRESSURE
SFD	STATIC PRESSURE DROP
SS	STAINLESS STEEL
SST	SATURATED SUCTION PRESSURE
SQFT / SF	SQUARE FEET
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL
UOI	UNLESS OTHERWISE INDICED
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THRU ROOF
W	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
WPD	WATER PRESSURE DROP
X	DEMOLISH

DUCTWORK LEGEND	
SYMBOL	DESCRIPTION
	RECTANGULAR DUCTWORK
	ROUND DUCTWORK
	OVAL DUCTWORK
	DUCTWORK SHOWN SINGLE LINE
	ACOUSTICALLY LINED DUCTWORK
	ACOUSTICALLY LINED DUCTWORK (SINGLE LINE)
	RECTANGULAR SUPPLY DUCTWORK TOWARDS (UP IN PLAN)
	RECTANGULAR SUPPLY DUCTWORK AWAY (DOWN IN PLAN)
	ROUND SUPPLY DUCTWORK AWAY (DOWN IN PLAN)
	RECTANGULAR RETURN DUCTWORK TOWARDS (UP IN PLAN)
	ROUND RETURN DUCTWORK TOWARDS (UP IN PLAN)
	RECTANGULAR RETURN DUCTWORK AWAY (DOWN IN PLAN)
	ROUND RETURN DUCTWORK AWAY (DOWN IN PLAN)
	RECTANGULAR EXHAUST DUCTWORK TOWARDS (UP IN PLAN)
	ROUND EXHAUST DUCTWORK TOWARDS (UP IN PLAN)
	RECTANGULAR EXHAUST DUCTWORK AWAY (DOWN IN PLAN)
	ROUND EXHAUST DUCTWORK AWAY (DOWN IN PLAN)
	FLEXIBLE DUCT
	OPEN ENDED DUCT WITH WIRE MESH SCREEN
	CAPPED DUCT
	DUCT TRANSITION

AIR DEVICE LEGEND	
SYMBOL	DESCRIPTION
	SUPPLY DIFFUSER
	RETURN GRILLE OR REGISTER
	EXHAUST GRILLE OR REGISTER
	SIDEWALL SUPPLY GRILLE
	SIDEWALL RETURN OR EXHAUST GRILLE OR REGISTER
	SUPPLY DIFFUSER (BLOW INDICATED)
	AIR DEVICE TAG (TAG NO. (AIRFLOW))

DRAWING SYMBOLS	
SYMBOL	DESCRIPTION
	CALLOUT
	CENTERLINE
	CONNECT TO EXISTING
	DISCONNECT FROM EXISTING
	KEYNOTE TAG
	REVISION NUMBER
	EQUIPMENT TAG
	ELEVATION MARK
	LINE BREAK
	EXISTING LINETYPE
	NEW WORK LINETYPE
	FUTURE WORK LINETYPE
	DEMO WORK LINETYPE

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CES #2021535.00

TOWN OF SWAMPSCOTT

22 Monument Avenue
Swampscott MA 01907

REVISIONS		
NO.	DATE	DESCRIPTION
1	8/21/23	ADDENDUM

SWAMPSCOTT SENIOR CENTER - RANGE HOOD

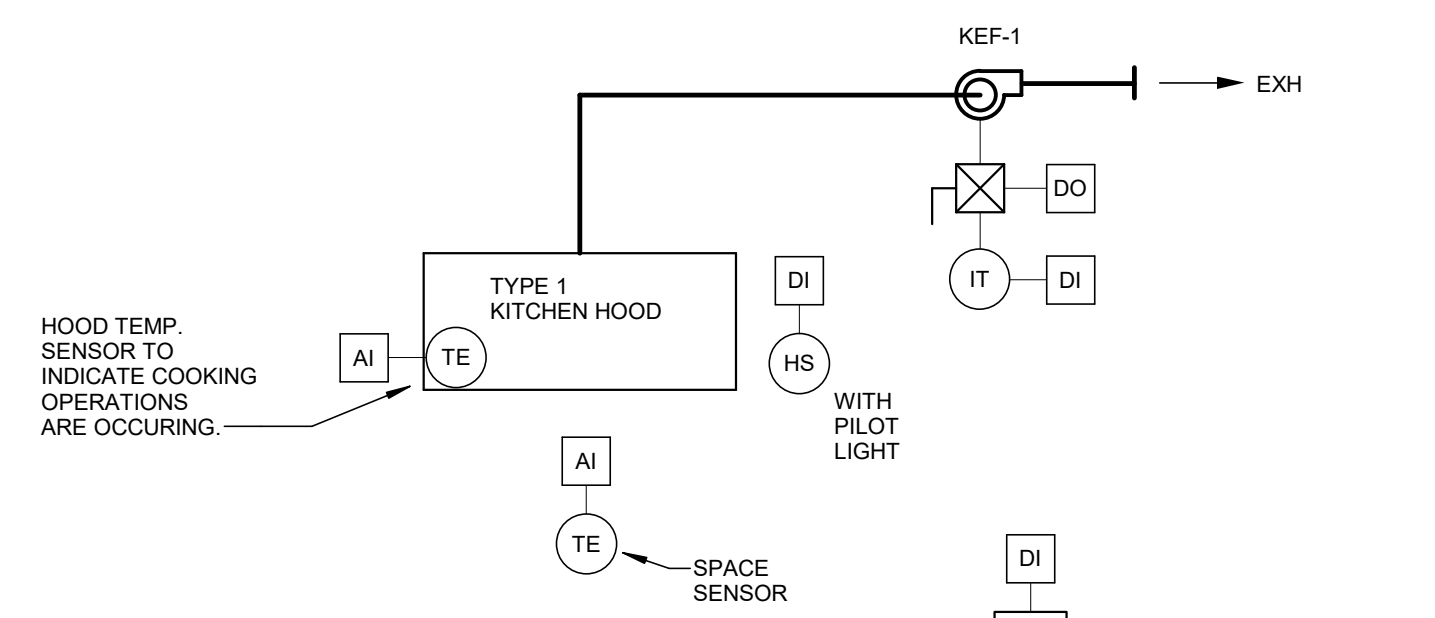
200R Essex St,
Swampscott, MA
01907

MECHANICAL ABBREVIATIONS, NOTES AND SYMBOLS

DATE:	6/16/2023
PROJECT NO:	2021535.00
DRAWN:	DJH
CHECKED:	EJR
ISSUED FOR:	BID DOCUMENTS
REVISIONS:	

SHEET NO.

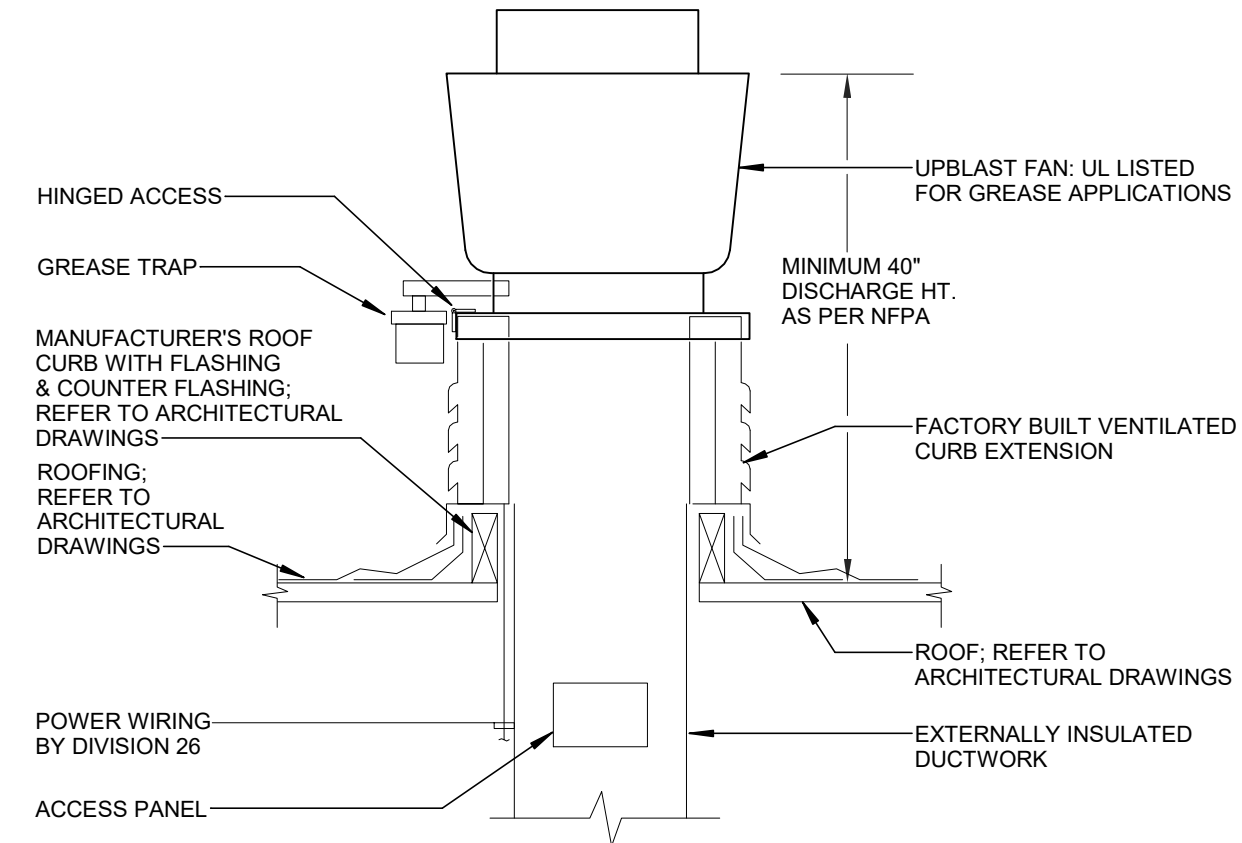
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SEQUENCE OF OPERATION

- GENERAL**
1. PROVIDE ALL WIRING AND CONTROLS FOR A COMPLETE AND OPERABLE SYSTEM.
- SAFETIES AND ALARMS**
1. IF THE FAN IS COMMANDED ON AND IT DOES NOT ACTIVATE, AN ALARM SHALL BE GENERATED THROUGH THE BAS.
- OPERATION**
1. FAN SHALL START WHEN SWITCH IS ON.
 2. FAN SHALL START IF TEMPERATURE IN HOOD IS HIGHER THAN SETPOINT.

2 KITCHEN EXHAUST FAN CONTROLS
NTS



1 UPBLAST FAN DETAIL FOR KITCHEN EXHAUST
NTS

FAN SCHEDULE																		
GENERAL					PHYS.	PERFORMANCE					ELECTRICAL			REMARKS				
SYMBOL	MANUFACTURER	MODEL	LOCATION	SERVICE	WEIGHT (LBS)	CFM	SP (IN.WG)	BHP	SONES	PLUME HEIGHT (FT)	MOTOR RPM	HP	VOLTS	PHASE	TYPE	RATINGS	FEATURES	INSTALL
KEF-1	CAPTIVEAIRE	EADUBSH	DINING ROOM ROOF	HOOD EXHAUST	145	875	1.75	0.5160	15.3	N/A	1418	0.75	120	1	1	ALL	ALL	ALL
REMARKS - TYPE: 1. ROOF MOUNTED UPBLAST KITCHEN EXHAUSTER W/GREASE TRAP					REMARKS - RATINGS: 1. AMCA AIR & SOUND CERTIFIED 2. UL LISTED					REMARKS - FEATURES: 1. THREE YEAR WARRANTY			REMARKS - INSTALL: 1. PROVIDE ROOF CURB, BYPASS DAMPER, BYPASS AIR PLENUM, DISCONNECT SWITCH 2. PROVIDE WITH 42" HINGED ROOF CURB 3. FAN SHALL BE INTERLOCKED WITH KITCHEN HOOD.					

FAN SCHEDULE - ALTERNATE #1																		
GENERAL					PHYS.	PERFORMANCE					ELECTRICAL			REMARKS				
SYMBOL	MANUFACTURER	MODEL	LOCATION	SERVICE	WEIGHT (LBS)	CFM	SP (IN.WG)	BHP	SONES	PLUME HEIGHT (FT)	MOTOR RPM	HP	VOLTS	PHASE	TYPE	RATINGS	FEATURES	INSTALL
KEF-1	CAPTIVEAIRE	EADUBSH	DINING ROOM ROOF	HOOD EXHAUST	145	965	1.75	0.5690	15.3	N/A	1560	0.75	120	1	1	ALL	ALL	ALL
REMARKS - TYPE: 1. ROOF MOUNTED UPBLAST KITCHEN EXHAUSTER W/GREASE TRAP					REMARKS - RATINGS: 1. AMCA AIR & SOUND CERTIFIED 2. UL LISTED					REMARKS - FEATURES: 1. THREE YEAR WARRANTY			REMARKS - INSTALL: 1. PROVIDE ROOF CURB, BYPASS DAMPER, BYPASS AIR PLENUM, DISCONNECT SWITCH 2. PROVIDE WITH 42" HINGED ROOF CURB 3. FAN SHALL BE INTERLOCKED WITH KITCHEN HOOD.					

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SWAMPSCOTT SENIOR CENTER - RANGE HOOD

200R Essex St,
Swampscott, MA
01907

MECHANICAL SCHEDULES, DETAILS, AND ATC

DATE: 6/16/2023
PROJECT NO: 2021535.00
DRAWN: Author
CHECKED: Checker
ISSUED FOR: BID DOCUMENTS
REVISIONS: 1

SHEET NO.

M5.00

HOOD INFORMATION - JOB#5741348

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL		SP	END TO END	ROW
1	KH-1	5424 EX-2	ECON-AIR	5' 6"	600 DEG	I	HEAVY	175	875	-	-	4"	10"	875	1604	-0.278"	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION - ALTERNATE #1

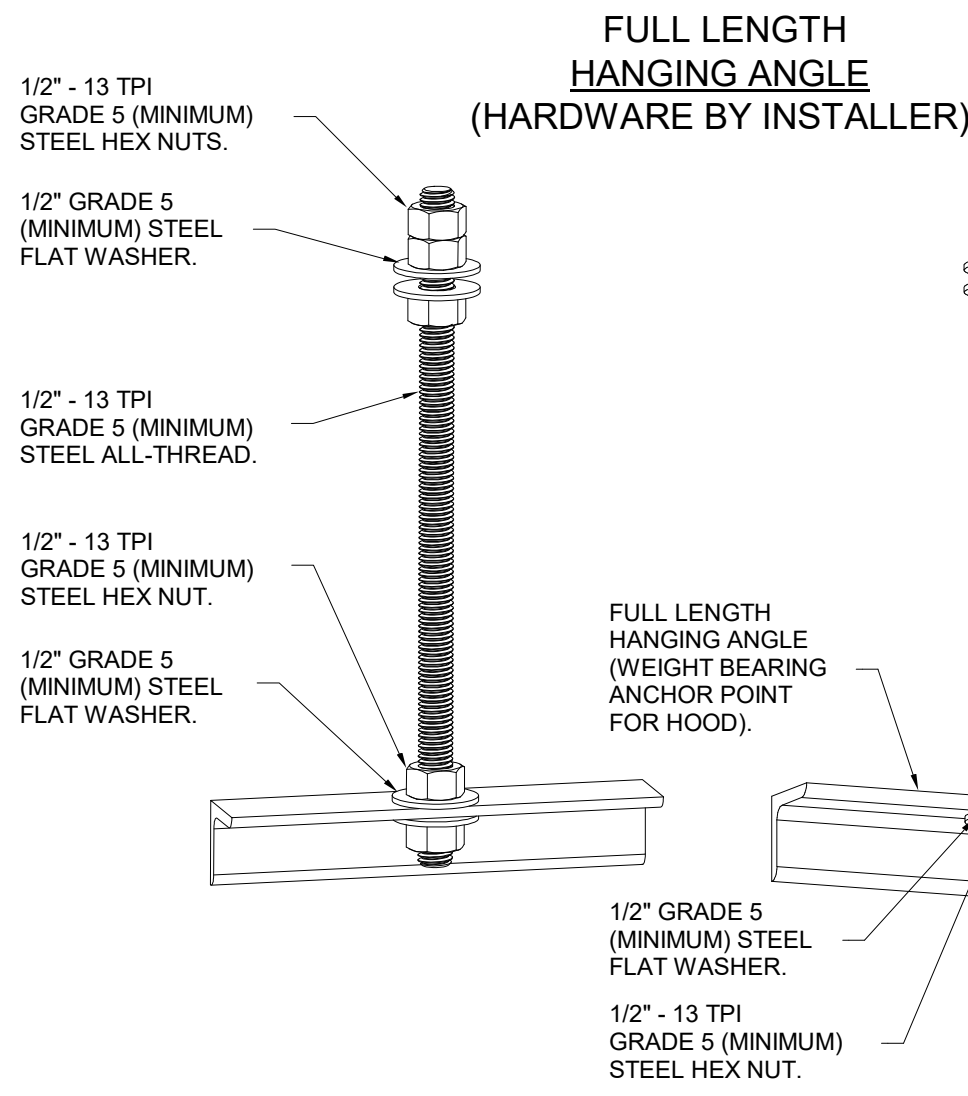
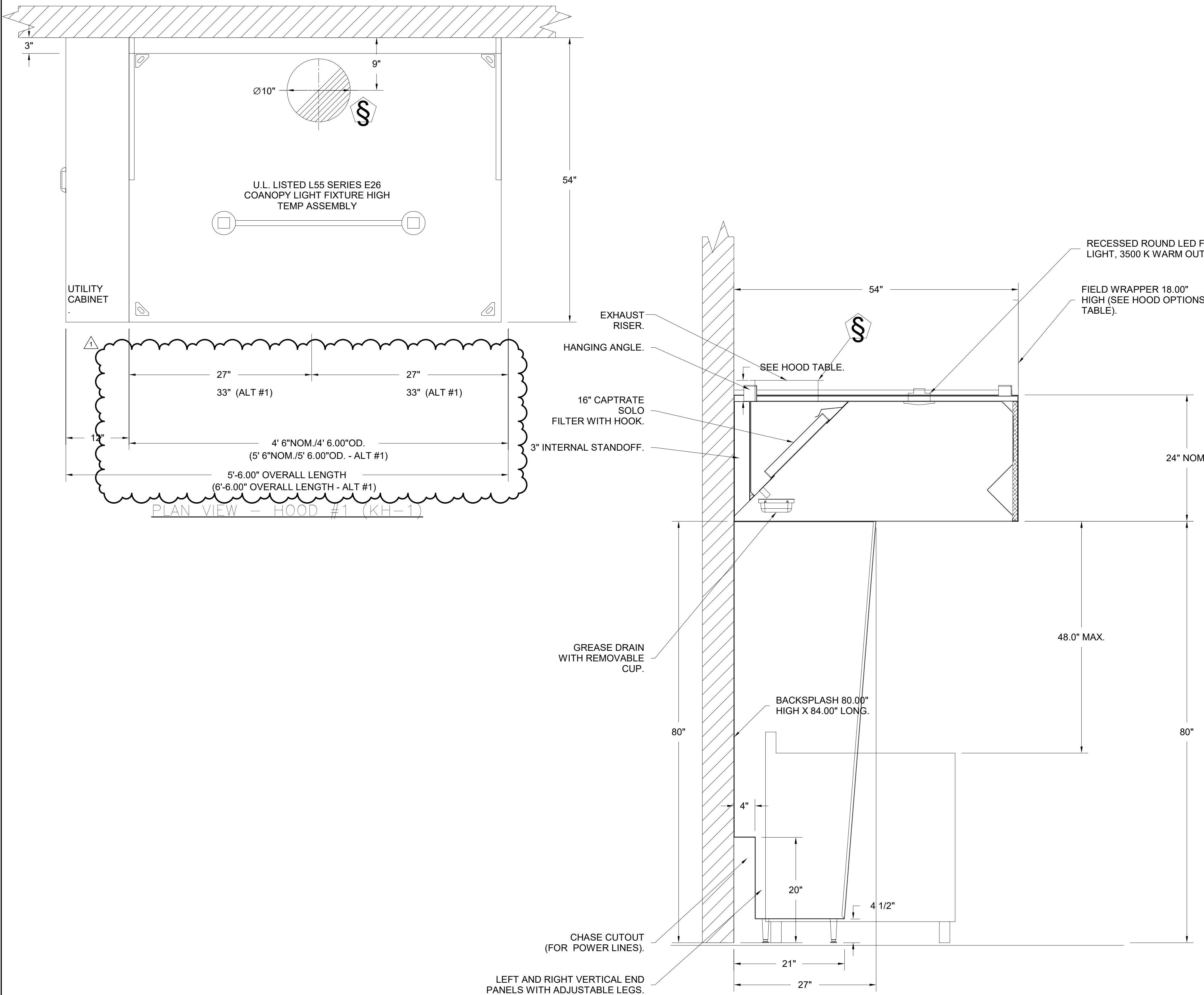
HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						HOOD CONSTRUCTION	HOOD CONFIG		
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL		SP	END TO END	ROW
1	KH-1	5424 EX-2	ECON-AIR	6' 6"	600 DEG	I	HEAVY	175	965	-	-	4"	10"	965	1604	-0.278"	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	TYPE	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT	
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE	SIZE	ELECTRICAL MODEL #			SWITCHES QUANTITY
1	KH-1	SS BAFFLE WITH HANDLES	3	16"	16"	30%	2	L55 SERIES E26	NO	LEFT	12"x54"x24"	TANK FS	4.0	SC-110110MA	1 LIGHT 1 FAN	YES	594 LBS

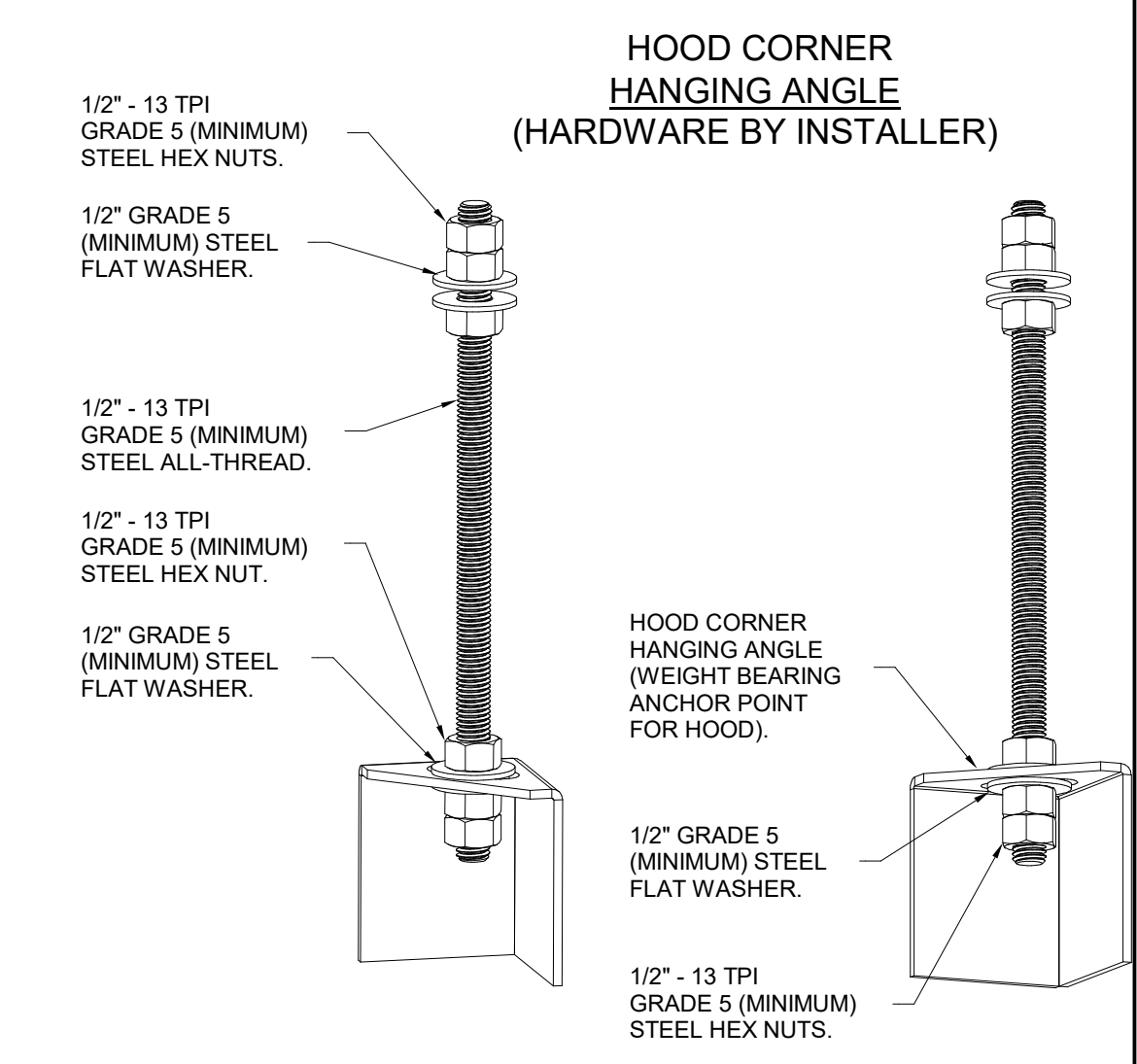
HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KH-1	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT. BACKSPLASH 80.00" HIGH X 84.00" LONG 430 SS VERTICAL. RISER SENSOR INSTALL 6IN PLEN. RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS. LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

HOOD - #1(KH-1)
SECTION VIEW - MODEL
5424EX-2

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Swampscott MA 01907

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1	8/21/23	ADDENDUM

SWAMPSCOTT SENIOR CENTER - RANGE HOOD

200R Essex St,
Swampscott, MA
01907

MECHANICAL SCHEDULES, AND DETAILS - RANGE HOOD

DATE:	6/16/2023
PROJECT NO:	2021535.00
DRAWN:	Author
CHECKED:	Checker
ISSUED FOR:	BID DOCUMENTS
REVISIONS:	1

SHEET NO.

M5.01