



Chick-fil-A

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CHICK-FIL-A
PRINCETON

11250 SW 248TH Street
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FRS#05224

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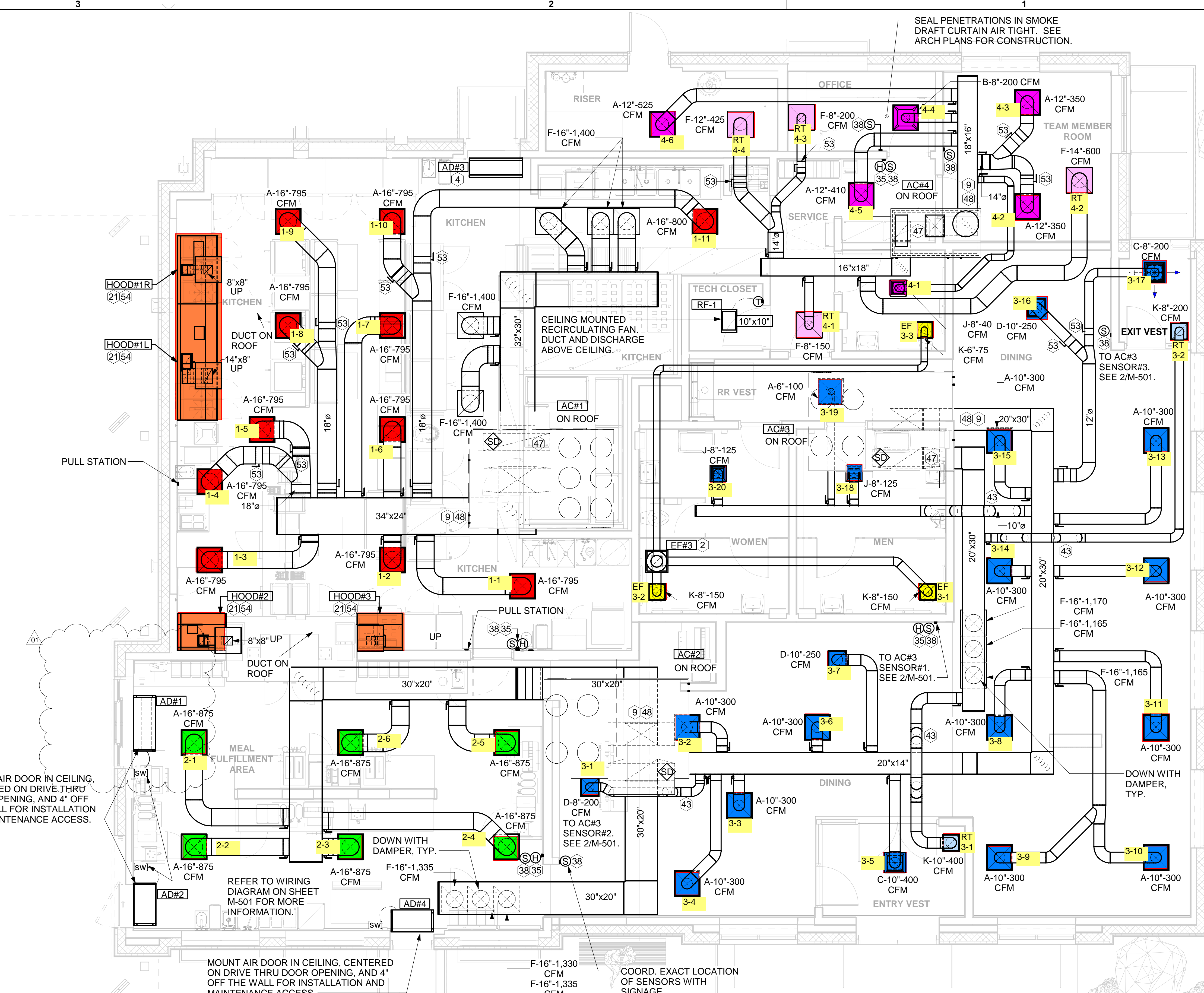
CONSULTANT PROJECT # 22-TX181-01
DATE 12/09/2022

DRAWN BY GP
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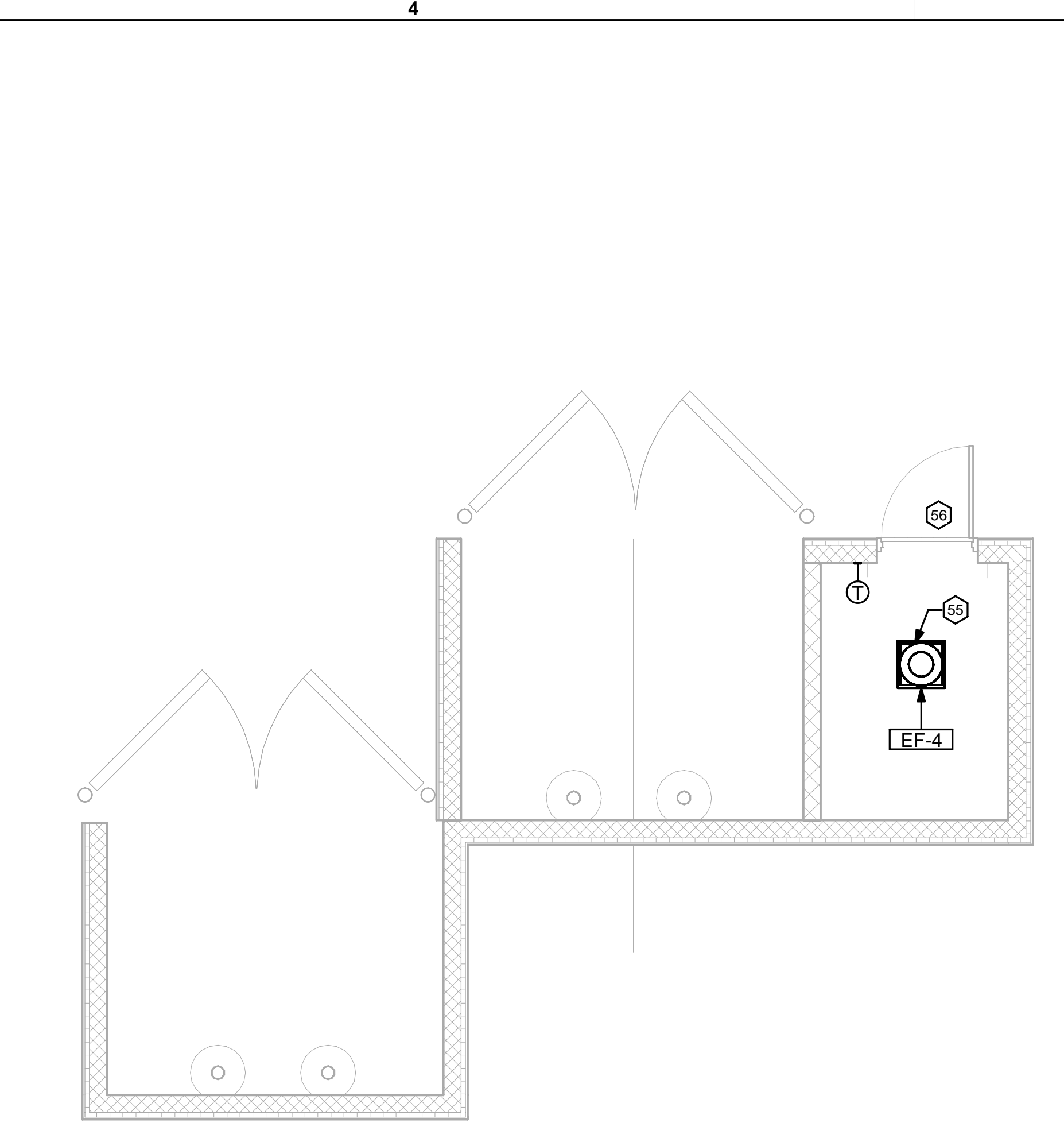
MECHANICAL FLOOR PLAN

SHEET NUMBER

M-201



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



2 REFUSE FLOOR PLAN
1/4" = 1'-0"

SHEET NOTES

- 1. DUCT SIZES SERVING DIFFUSERS AND GRILLES ARE SAME SIZE AS DIFFUSER OR GRILLE NECK UNLESS NOTED OTHERWISE.
- 2. FLEXIBLE DUCT NOT SHOWN FOR CLARITY. ALL TAKE-OFFS SHALL INCLUDE FLEXIBLE DUCT. SEE DETAIL 1/M-401 FOR FLEXIBLE DUCT INSTALLATION REQUIREMENTS.
- 3. FOR SUPPLY AND RETURN OPENINGS, CUT OPENING AROUND DUCT DROPS 4" TO 8" MINIMUM (EXCEPT WHERE STRUCTURE PREVENTS THIS). SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 4. AT EACH PIECE OF ROOF EQUIPMENT, PROVIDE A PLASTIC ENGRAVED LABEL WITH 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND. THE LABEL IS TO HAVE A SELF ADHESIVE BACKING.
- 5. UNLESS NOTED OTHERWISE, MC TO ADJUST ALL DIFFUSER AIR PATTERN DEFLECTORS TO THROW HORIZONTALLY ALONG THE CEILING.
- 6. SUPPORT ALL DUCT DROPS AT BASE OF DROP FROM STRUCTURE.

KEY NOTES

- 2 10X10 UP THRU ROOF.
- 4 AIR CURTAIN MOUNTED OVER DOOR HEADER AT 7'-2" AFF TO BOTTOM OF UNIT. PROVIDE BLOCKING IN WALL BEHIND AIR CURTAIN. USE FACTORY PRE-PUNCHED MOUNTING HOLES ON BACK SIDE OF AIR CURTAIN ONLY. ATTACH AIR CURTAIN TO WALL USING 3/8" LAG BOLTS. LENGTH AS REQUIRED TO FULLY PENETRATE BLOCKING. LOCATE MAGNETIC CONTACT TYPE MICROSWITCH IN DOOR FRAME ON STRIKE SIDE.
- 9 BRANCH TAKE-OFFS ARE NOT TO BE LOCATED CLOSER THAN 3'-0" FROM ANY OFFSET OR ELBOW INCLUDING THE SUPPLY AIR DROP FROM CURB.
- 21 HALTON KBD DAMPER AT HOOD COLLAR BY MECHANICAL CONTRACTOR. SEE HOOD ELEVATIONS ON M-301 FOR LOCATION.
- 35 MOUNT LENNOX HUMIDITY SENSOR ON WALL ABOVE SPACE TEMP SENSOR AND ROUTE WIRING TO UNIT ON ROOF.
- 38 MOUNT REMOTE SENSOR ON WALL AT 5'-0" AFF U.O. AND ROUTE WIRING BACK TO SUNCOAST TEMP CONTROL PANEL. FOR SENSOR SERVING AC#1, COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT.
- 43 ROUTE DUCT WITHIN STRUCTURE.
- 47 TRANSITION IN VERTICAL DROP FROM FULL SIZE OF CURB OPENING TO SIZE SHOWN. SEE DETAIL 6/M-401 FOR REQUIRED TRANSITION GEOMETRY. TRANSITION WITHIN CURB WHERE REQUIRED TO AVOID STRUCTURE. WHERE THE DUCT IS SHOWN OFFSET HORIZONTALLY, PROVIDE ELBOW WITHOUT TURNING VANES. FOR DROPS WITH NO HORIZONTAL OFFSET, EXTEND DROP BELOW STRUCTURE TO ACCOMMODATE START COLLARS. TERMINATE DROP A MINIMUM 0'-10" ABOVE CEILING (0'-4" ABOVE CEILING IF REQUIRED TO ACCOMMODATE TAKE-OFF AND DROP IS NOT LOCATED DIRECTLY ABOVE A LIGHT).
- 48 TRANSITION IN VERTICAL DROP FROM FULL SIZE OF CURB OPENING TO SIZE SHOWN. TRANSITION WITHIN CURB WHERE REQUIRED TO AVOID STRUCTURE. WHERE THE DUCT IS SHOWN OFFSET HORIZONTALLY, PROVIDE ELBOW WITH TURNING VANES. FOR DROPS WITH NO HORIZONTAL OFFSET, EXTEND DROP BELOW STRUCTURE TO ACCOMMODATE START COLLARS. TERMINATE DROP A MINIMUM 0'-10" ABOVE CEILING (0'-4" ABOVE CEILING IF REQUIRED TO ACCOMMODATE TAKE-OFF AND DROP IS NOT LOCATED DIRECTLY ABOVE A LIGHT).
- 53 RUSKIN MDRS25 MVD W/LOCKING QUADRANT HANDLE.
- 54 SEE ELEVATIONS ON M-301 FOR CJ FAN DUCTING REQUIREMENT.
- 55 MOUNT EXHAUST FAN ON ROOF. DROP EXHAUST DUCT BELOW ROOF STRUCTURE AND COVER OPENING WITH 3/4" HARDWARE CLOTH. FAN TO BE CONTROLLED BY TEMPERATURE SENSOR. MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTAL TEMPERATURE SENSOR.
- 56 PROVIDE 24"x24" DOOR LOUVER.

LEGEND table with columns for symbol, description, and notes.

AIR BALANCE SCHEDULE - LARGE... table with columns for Mark, Supply Air, Return Air, Outside Air, Exhaust Air, and Building Positive Pressure.

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SHEET NOTES

- ALL DUCTWORK AND UNFINISHED METAL ON ROOF EXCEPT STAINLESS SHALL BE PREPARED WITH TWO COATS OF SHERWIN WILLIAMS PRO INDUSTRIAL DTM ACRYLIC COATING, SEMI-GLOSS, WHITE. DEGREASE AND RPIME BARE METAL SURFACE WITH ONE COAT OF SHERWIN WILLIAMS PRO INDUSTRIAL PRO-CRYL ACRYLIC UNIVERSAL PRIMER, WHITE, PRIOR TO PAINTING.
- AT EACH PIECE OF ROOF EQUIPMENT, PROVIDE A PLASTIC ENGRAVED LABEL WITH 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND. THE LABEL IS TO HAVE A SELF ADHESIVE BACKING.
- MAINTAIN 18" CLEARANCE FROM GREASE EXHAUST DUCTWORK ABOVE ROOF TO ANY COMBUSTIBLE CONSTRUCTION INCLUDING PARAPET WALLS.

- FABRICATE DISCHARGE AIR NOZZLE. VERIFY EXHAUST TERMINATION IS A MINIMUM 10'-0" FROM PARAPETS AND OUTSIDE AIR INTAKES. SEE DETAIL 3/M-401.
- GREASE EXHAUST DUCT LOCATED ON ROOF SHALL SLOPE 1/4" PER FOOT TOWARDS THE HOOD, THE FAN, OR A COMBINATION OF THE TWO SUCH THAT NO PORTION OF THE RADIUS ELBOW AT THE CURB IS BELOW THE CURB CAP AND SUCH THAT THE FAN BASE SETS DIRECTLY ON THE CURB RAILS. THE BOTTOM OF THE RADIUS ELBOW MAY BE EVEN OR FLUSH WITH THE CURB CAP, BUT NOT BELOW THE CAP. THE DUCT AT THE FAN MUST BE CENTERED ON THE FAN INLET. THE MC MAY ADD A VERTICAL RISER AT THE RADIUS ELBOW LOCATED AT THE DUCT CURB AS NEEDED IN ORDER TO CENTER THE DUCT ON THE FAN INLET.
- MECHANICAL CONTRACTOR TO SEE ARCHITECTURAL ROOF PLAN FOR NOTES REGARDING LEVELING FRAMES FOR RTUS. COORDINATE WITH GENERAL CONTRACTOR EXACT LOCATIONS AND SIZE NEEDED.
- GC SHALL PROVIDE EQUIPMENT STANDS AS MANUFACTURED BY AVCOA OR EQUAL. STANDS SHALL BE INSTALLED PRIOR TO ROOF INSULATION SO THAT THE INSULATION IS CONTINUOUS UP TO THE PIPE POSTS. POSTS SHALL BE FLASHED IN ACCORDANCE WITH ROOFING MANUFACTURER'S INSTALLATION INSTRUCTIONS. COORDINATE BLOCKING BELOW THE ROOF DECK AS REQUIRED.

GREASE ACCESS DOOR SCHEDULE

MARK	OPENING SIZE	DOOR SIZE	REMARKS
A	9H X 14W	11H X 16W	1
B	5.5H X 14W	7.5H X 16W	1
C	12H X 12W	14H X 14W	1
D	10H X 14W	12H X 16W	1
E	6H X 14W	8H X 16W	1

1. ACCESS DOORS SHALL BE U.L. 1978 LISTED OR FIELD FABRICATED. REQUIRE NO TOOLS FOR REMOVAL AND MEET THE REQUIREMENTS OF THE CURRENT EDITION OF THE IMC. ACCESS DOOR ASSEMBLY SHALL BE WELDED IN PLACE TO THE GREASE EXHAUST DUCT AND THE ACCESS DOOR SHALL BE SECURED WITH THUMB SCREWS. ACCESS DOORS SHALL BE SEALED WITH A MINIMUM 1500 DEGREE GASKET MATERIAL EQUIVALENT TO THAT MANUFACTURED BY BRENTON INDUSTRIES, INC (800) 382-2491.

SEE FVREWRAP INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION ON CONFIGURING INSULATION OVER AN ACCESS DOOR.

WELDED THREADED ROD, LENGTH AS NEEDED.

MIN. 1500 DEGREE GASKET

ACCESS DOOR

OUTER PLATE TO COMPLETELY COVER THE FINAL LAYER OF INSULATION.

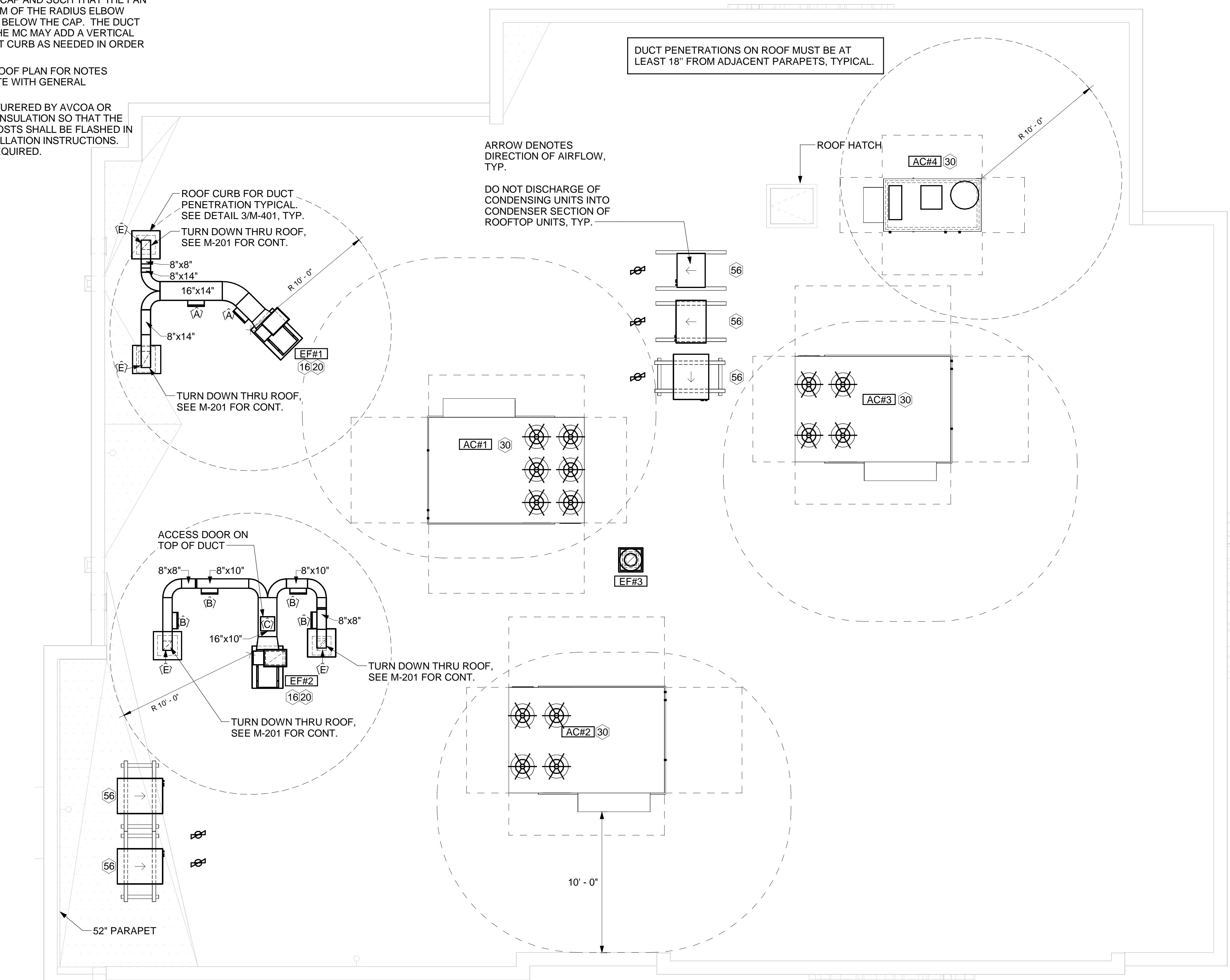
WING NUTS

LABEL DOOR AS REQUIRED BY CODE.

1-1/4" MAX STAND-OFF FLANGE

TUBE SPACERS FOR WRAP TO BE EITHER 3" OR 4-1/2" LONG DEPENDING ON WHETHER A ONE LAYER OR TWO LAYER SYSTEM IS USED.

TUBE SPACERS AND OUTER PLATE NOT REQUIRED ON UNINSULATED DUCT.



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

ELECTRIC ROOFTOP HVAC UNIT SCHEDULE

MARK	TOTAL COOLING MBH	SENSIBLE COOLING MBH	SUPPLY AIRFLOW	OA CFM	SUPPLY HP	EXT S.P. IN-WG	NOMINAL TONS	COOLING STAGES	ELECTRIC HEAT KW	HEATING STAGES	VOLTAGE	PHASE	MCA	MOCP	EFF. EER	AREA SERVED	MANUFACTURER AND MODEL	NOTES
AC#1	205.3	127.2	8,750 CFM	1,750 CFM	7.5	1.00	25	2	45	2	208	3	145	150	10.6	KITCHEN	LENNOX LCT300S4M	1,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17
AC#2	143.5	127.2	5,250 CFM	1,250 CFM	5.0	1.00	15	2	30	2	208	3	98	100	12.0	DRIVE-THRU	LENNOX LCT180H4M	1,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17
AC#3	143.5	127.2	5,250 CFM	1,170 CFM	5.0	1.00	15	2	30	2	208	3	98	100	12.0	DINING	LENNOX LCT180H4M	2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17
AC#4	61.3	50.8	1,875 CFM	500 CFM	1.0	1.00	5	2	15	2	208	3	80	80	12.8	OFFICE, TEAM MEMBER, SERVICE	LENNOX LCT060H4E	2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17

NOTES

- CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT FOR EQUIPMENT WITH LENNOX CORPORATION. CONTACT LENNOX NATIONAL ACCOUNTS AT 800-367-6285 (OR BY FAX AT 972-497-5112) FOR PRICING, ORDERING AND AVAILABILITY.
- MECHANICAL CONTRACTOR TO VERIFY LENNOX SUBMITTAL WITH CONSTRUCTION DOCUMENTS.

REMARKS

- PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST.
- PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH BAROMETRIC EXHAUST.
- PROVIDE 14" HIGH ROOF CURB.
- SEE DETAIL 2/M-501 FOR SETTING OF CONTROL PARAMETERS BY MC.
- PROVIDE FACTORY INSTALLED 115V GFI SERVICE OUTLET. SEPERATE 115V CIRCUIT PROVIDED BY ELECTRICAL CONTRACTOR.
- PROVIDE FACTORY INSTALLED RETURN AIR SMOKE DETECTOR.
- PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT.
- PROVIDE 2" MERV 8 THROW AWAY FILTERS.
- PROVIDE HINGED PANELS FOR ACCESS TO FILTER(S), FAN BLOWER & MOTOR, COMPRESSOR(S) ACCESS AND CONTROLS.
- PROVIDE FACTORY COIL HAIL GUARD, FIELD INSTALLED.
- PROVIDE FRESH AIR TEMPERING KIT.
- PROVIDE HOT GAS DEHUMIDIFICATION OPTION WITH WALL MOUNTED HUMIDITY SENSOR.
- PROVIDE FACTORY INSTALLED BELT TENSIONER.
- PROVIDE FACTORY CONFIGURED PHASE LOSS PROTECTION.
- PROVIDE FACTORY INSTALLED CONDENSATE DRAIN PAN OVERFLOW SWITCH.
- PROVIDE FACTORY STAINLESS STEEL HEAT EXCHANGER.
- PROVIDE WITH 100K SCCR RATING.



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SHEET MECHANICAL ROOF PLAN
SHEET NUMBER

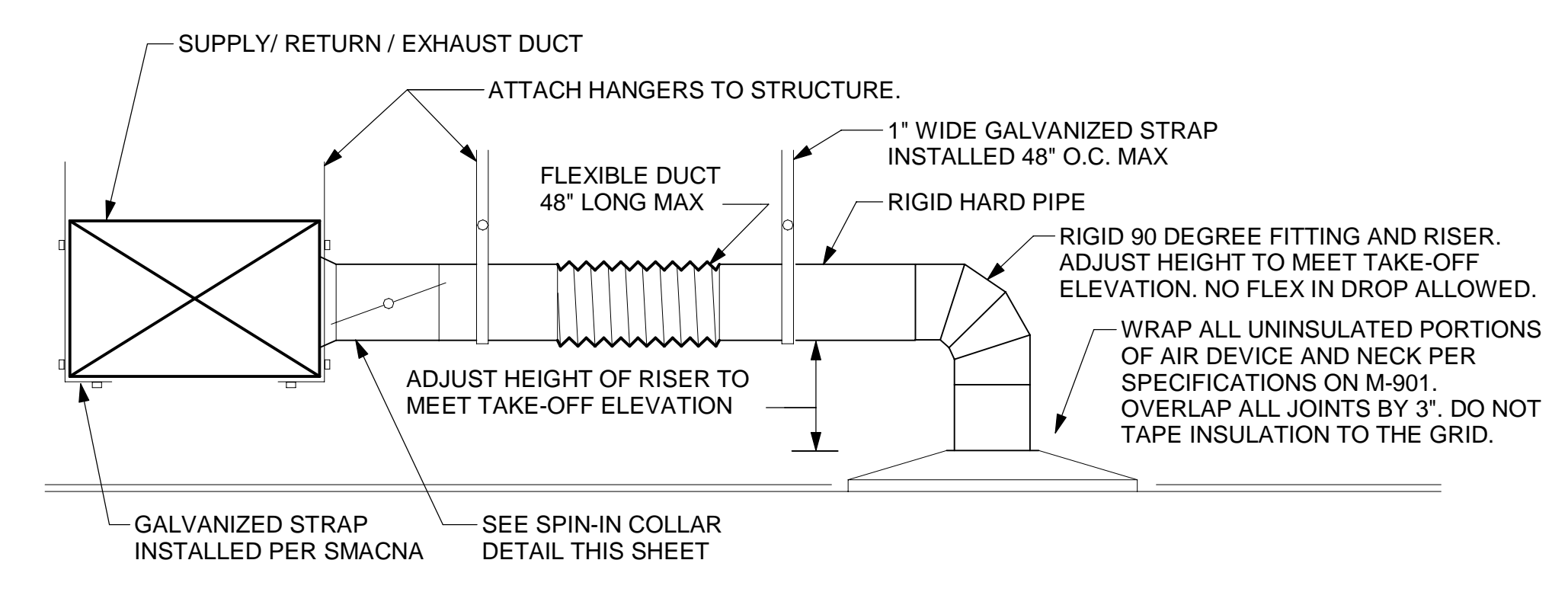
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8/4/2023 4:02:49 PM Autodesk Docs://FL_05224_Princeton (FL) FSU_MECH.rvt 30-SE-05224-M-250-MECHANICAL ROOF PLAN

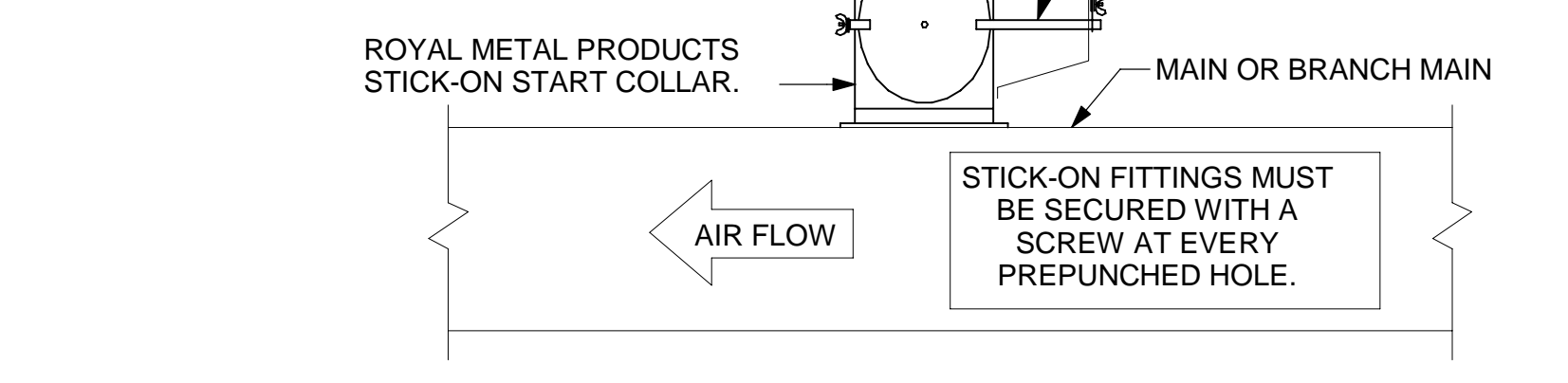
CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRROW COMPANY FOR THE ROYAL METAL PRODUCTS START COLLARS FOR BOTH WITH AND WITHOUT A MANUAL BALANCING DAMPER. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE ROYAL METAL PRODUCTS START COLLARS DIRECTLY FROM TOM BARRROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. ROYAL METAL PRODUCTS START COLLARS NOT PURCHASED THRU TOM BARRROW COMPANY WILL NOT BE ACCEPTED.

DAMPER CONTROL HANDLE MUST BE EXPOSED, AND DAMPER SHAFT MUST ALWAYS BE PARALLEL TO AIRFLOW IN DUCT MAIN. AS AN EXAMPLE, FOR HORIZONTAL TRUNK DUCT, HANDLE MUST BE LOCATED ON THE LEFT OR RIGHT (9 OR 3 O'CLOCK) OF COLLAR, AND FOR VERTICAL TRUNK DUCT, LOCATED ON THE BOTTOM (6 O'CLOCK) OF COLLAR. DAMPER CONTROL HANDLES NOT INSTALLED IN THE CORRECT ORIENTATION, AS SPECIFIED ABOVE, WILL NOT BE ACCEPTED. ATTACH YELLOW FLUORESCENT CONSTRUCTION RIBBON TO THE HANDLE. RIBBON MUST BE 12" LONG AND BE EASILY IDENTIFIABLE FOR TEST AND BALANCE CONTRACTOR.

DO NOT APPLY START COLLAR OVER DUCT WRAP



1 SAG/RAG/GRILLE TAKE-OFF
NOT TO SCALE



2 START COLLAR
NOT TO SCALE

EXHAUST FAN SCHEDULE - LARGE BLDG

MARK	FAN CFM	ESP	RPM	TIP SPEED	HP	AREA SERVED	VOLTAGE	PHASE	MOCAP	MODEL	MANUFACTURER	REMARKS
EF#1	1,913 CFM	0.75 in-wg	1,331 RPM	5,226 FPM	0.75 hp	HOOD#1	120 V	1	25 A	150 CPS	LOREN COOK	1,2,3,4,5,6,7,8,9,10,11,17
EF#2	1,402 CFM	0.95 in-wg	1,199 RPM	4,708 FPM	0.75 hp	HOOD#2 & HOOD#3	120 V	1	25 A	150 CPS	LOREN COOK	1,2,3,4,5,6,7,8,9,10,11,17
EF#3	375 CFM	0.38 in-wg	1,550 RPM	3,091 FPM	0.125 hp	RESTROOMS	120 V	1	20 A	ACED-90C15DH	LOREN COOK	3,11,12,13,14,15,16
EF-4	300 CFM	0.38 in-wg	1,550 RPM	3,658 FPM	0.125 hp	REFUSE	120 V	1	20 A	ACED-90C15DH	LOREN COOK	3,11,12,13,14,15,16

NOTES

- GREASE EXHAUST FAN RPM BASED ON 80 DEGREE F AIR AT 1000 FEET ABOVE SEA LEVEL.
- GREASE EXHAUST FANS TO BE U.L. 762 LISTED.
- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRROW COMPANY FOR THE FAN/CURB PACKAGE. THE MECHANICAL CONTRACTOR IS REQUIRED TO PURCHASE THE FAN/CURB PACKAGE DIRECTLY FROM TOM BARRROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010 FOR PRICING AND AVAILABILITY. FANS AND CURBS NOT PURCHASED THRU TOM BARRROW COMPANY WILL NOT BE ACCEPTED.

REMARKS

- UPBLAST, ARRANGEMENT 10, CCW ROTATION. SEE PLANS TO CONFIRM CONFIGURATION.
- PROVIDE FACTORY ALUMINUM FAN WHEEL.
- PROVIDE FACTORY INSTALLED PREWIRED NON-FUSED DISCONNECT.
- PROVIDE FACTORY STEEL INLET FLANGE AND INLET COMPANION FLANGE.
- PROVIDE AND INSTALL ROOFTOP SOLUTIONS G2 DRIP GUARD. MECHANICAL CONTRACTOR TO CONTACT ROOFTOP SOLUTIONS AT 800-913-7034.
- PROVIDE FACTORY WEATHER HOUSING W/ HINGED ACCESS DOOR.
- PROVIDE FACTORY DRAIN CONNECTION.
- PROVIDE FACTORY BOLTED ACCESS DOOR ON SCROLL.
- PROVIDE FACTORY INSTALLED BELT DRIVE WITH ADJUSTABLE MOTOR SHEAVE AND SPARE BELT.
- PROVIDE FACTORY STEEL OUTLET COMPANION FLANGE.
- INTEGRAL THERMAL OVERLOAD WITH AUTOMATIC RESET.
- PROVIDE BIRDSCREEN.
- BACKDRAFT DAMPER IN DUCT BY MECHANICAL CONTRACTOR AS SHOWN ON 4/M401.
- STARTER BY ELECTRICAL CONTRACTOR. INTERLOCK WITH LIGHTS BY ELECTRICAL CONTRACTOR.
- PROVIDE 12" HIGH CURB.
- PROVIDE FACTORY INSTALLED AND WIRED SPEED CONTROLLER.
- UTILITY SET FAN CURB AND ASSOCIATED EXHAUST DUCT CURB PROVIDED BY TOM BARRROW COMPANY.

AIR DOOR SCHEDULE - LARGE BLDG

MARK	CFM	VELOCITY	HEATING CAP	HP	AREA SERVED	MODEL	MANUFACTURER	REMARKS
AD#1	1,785 CFM	2,670 FPM	10 kW	3/4 HP	DRIVE THRU	CHA-1-48E	Powered Aire	1,2,3,5
AD#2	1,197 CFM	2,443 FPM	10kW	3/4 HP	DRIVE-THRU	CHA-1-36E	Powered Aire	1,2,3
AD#3	3,867 CFM	4,218 FPM	N/A	3/4 HP	REAR DOOR	RBT-1-48	Powered Aire	4
AD#4	1,197 CFM	2,443 FPM	10kW	3/4 HP	DRIVE-THRU	CHA-1-36E	Powered Aire	1,2,3

NOTES

- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRROW COMPANY FOR THE AIR DOORS. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE AIR DOORS DIRECTLY FROM TOM BARRROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010. FOR PRICING AND AVAILABILITY. AIR DOORS NOT PURCHASED THRU TOM BARRROW COMPANY WILL NOT BE ACCEPTED.

REMARKS

- FACTORY PROVIDED, WIRED, AND UNIT MOUNTED SPEED CONTROLLER ABOVE CEILING.
- FACTORY WIRED DISCONNECT.
- FACTORY PROVIDED, FIELD INSTALLED BY MC, REMOTE WALL SWITCHES FOR HEATING ON/OFF AND FAN ON/AUTO SWITCH. SEE DETAIL, AIR CURTAIN WIRING DIAGRAM.
- FACTORY PROVIDED MAGNETIC DOOR CONTACT WITH FACTORY INSTALLED LOW VOLTAGE CONTROLS LOCATED IN AIR DOOR CABINET.
- PROVIDE WITH A DIVERTE BOX. PROVIDE WITH MOUNTING BRACKETS PER MANUFACTURER'S RECOMMENDATIONS. INSTALL 4" FROM THE WALL.

AIR DEVICE SCHEDULE - LARGE BLDG

MARK	DESCRIPTION	LOCATION	NECK SIZE	FACE SIZE	FRAME TYPE	REMARKS
A	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	DINING/ KITCHEN	VARIES	24"x24"	LAY-IN	1,7
B	VARITHERM PLAQUE DIFFUSER	OFFICE	8"	24"x24"	LAY-IN	1,7,8
C	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	ENTRY	14"x14"	16"x16"	BEVELLED	1,3,5,6
D	PRICE MODEL APDC ALUMINUM SUPPLY AIR DIFFUSER WITH INDIVIDUALLY ADJUSTABLE CURVED AIR PATTERN CONTROLLERS.	DINING	VARIES	16"x16"	SURFACE	1,3,5,6
F	PRICE MODEL 80 EGGCRATE RETURN AIR GRILLE WITH REMOVABLE WHITE CORE, FACTORY FLAT BLACK BACKPAN AND ROUND NECK.	DINING/ KITCHEN	VARIES	24"x24"	LAY-IN	1,7
J	PRICE MODEL SMCD STEEL SUPPLY AIR DIFFUSER FIELD ADJUSTABLE AIR PATTERN CONTROLLERS.	RESTROOMS	10"x10"	15"x15"	BEVELLED	1,2,3,5,6
K	PRICE MODEL APDDR ALUMINUM PERFORATED FACE RETURN AIR GRILLE.	RESTROOMS/ ENTRY	14"x14"	16"x16"	SURFACE	1,4,5,6

NOTES

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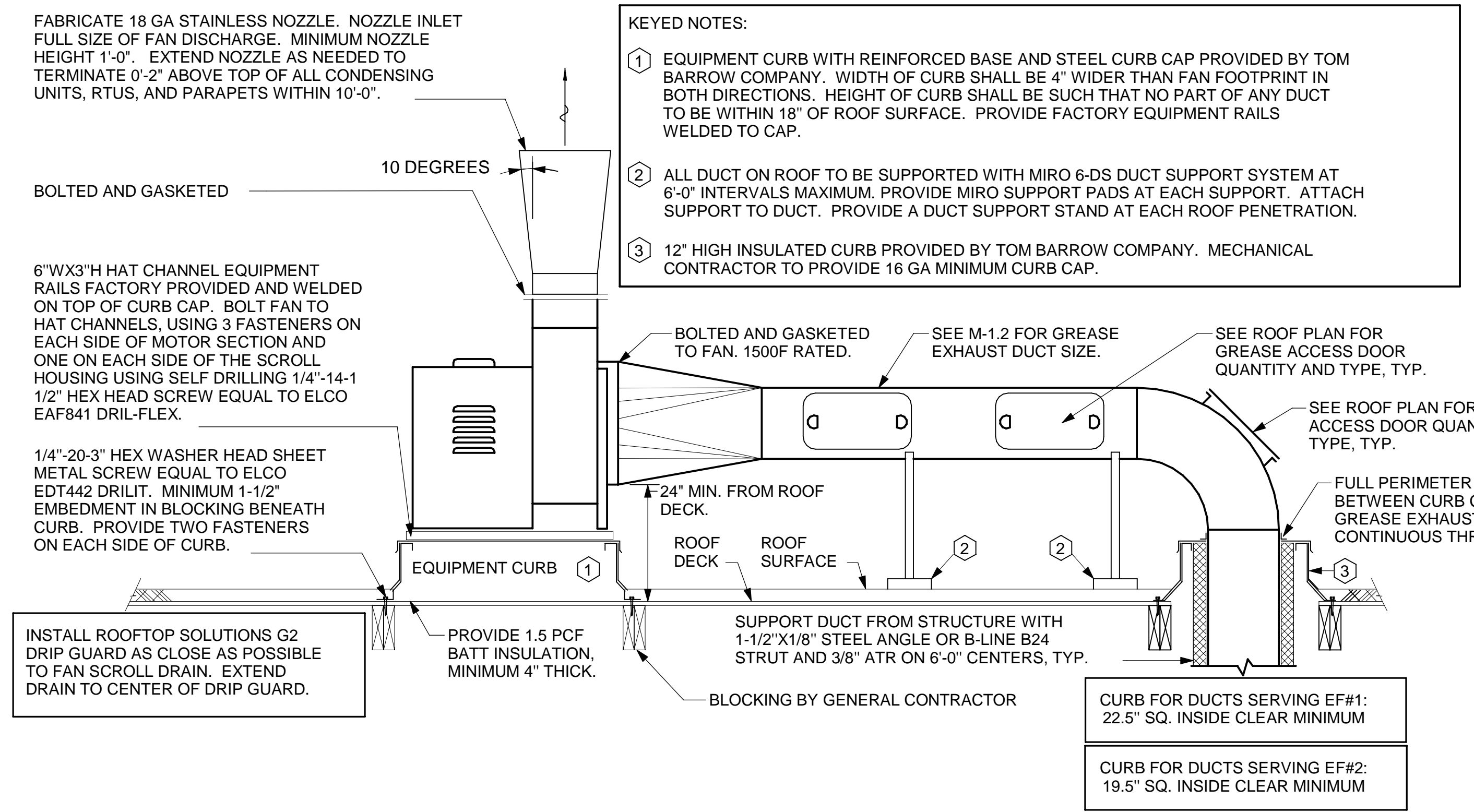
REMARKS

- STANDARD OFF WHITE FINISH.
- PROVIDE MODEL VCS3 NECK DAMPER.
- SEE DRAWING M-201 FOR THROW.
- PROVIDE MODEL VCR7 NECK DAMPER ON GRILLES IN RESTROOMS SERVING EXHAUST FAN.
- PROVIDE BACKPAN, MC TO SEAL JOINTS WITH MASTIC AND INSULATE EXTERNALLY.
- FIELD INSULATE BACKPAN AS SHOWN ON DETAIL 1/M-401.
- FACTORY INSULATED R-6 BACKPAN.
- PROVIDE RELIEF COLLAR ACCESSORY FOR VAV DIFFUSER.

ALL DUCTWORK AND UNFINISHED METAL ON ROOF EXCEPT STAINLESS SHALL BE PREPARED WITH TWO COATS OF SHERWIN WILLIAMS 668-200 SERIES DTM WHITE ACRYLIC SEMI-GLOSS INDUSTRIAL MAINTENANCE COATING. DEGREASE AND PRIME BARE METAL SURFACE WITH ONE COAT OF SHERWIN WILLIAMS DTM ACRYLIC PRIMER PRIOR TO PAINTING.

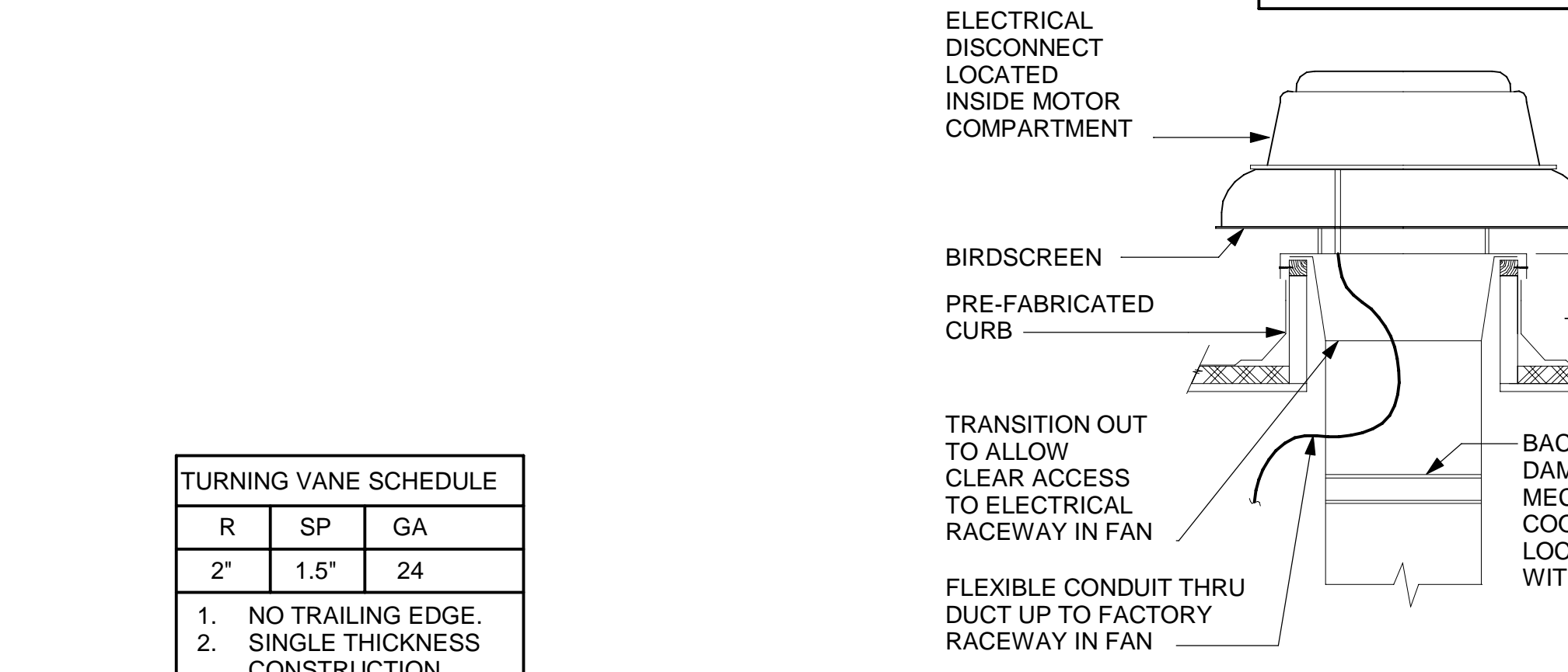
KEYED NOTES:

- EQUIPMENT CURB WITH REINFORCED BASE AND STEEL CURB CAP PROVIDED BY TOM BARRROW COMPANY. WIDTH OF CURB SHALL BE 4" WIDER THAN FAN FOOTPRINT IN BOTH DIRECTIONS. HEIGHT OF CURB SHALL BE SUCH THAT NO PART OF ANY DUCT TO BE WITHIN 18" OF ROOF SURFACE. PROVIDE FACTORY EQUIPMENT RAILS WELDED TO CAP.
- ALL DUCT ON ROOF TO BE SUPPORTED WITH MIRO 6-DS DUCT SUPPORT SYSTEM AT 6'-0" INTERVALS MAXIMUM. PROVIDE MIRO SUPPORT PADS AT EACH SUPPORT. ATTACH SUPPORT TO DUCT. PROVIDE A DUCT SUPPORT STAND AT EACH ROOF PENETRATION.
- 12" HIGH INSULATED CURB PROVIDED BY TOM BARRROW COMPANY. MECHANICAL CONTRACTOR TO PROVIDE 16 GA MINIMUM CURB CAP.



3 KITCHEN HOOD EXHAUST FAN - UTILITY SET - WOOD FRAMING
NOT TO SCALE

INSTALL ROOFTOP SOLUTIONS G2 DRIP GUARD AS CLOSE AS POSSIBLE TO FAN SCROLL DRAIN. EXTEND DRAIN TO CENTER OF DRIP GUARD.



4 RESTROOM EXHAUST FAN
NOT TO SCALE

HVAC DESIGN REQUIREMENTS

Mark	YES	NO
SMOKE DAMPER(S) (YES OR NO)	No	Yes
FIRE RATED ENCLOSURES (YES OR NO)	No	Yes
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY (YES OR NO)	No	Yes
FIRE STOPPING (YES OR NO)	No	Yes
SMOKE CONTROL (YES OR NO)	Yes	No
FIRE DAMPER(S) (YES OR NO)	No	Yes
DUCT SMOKE DETECTOR (YES OR NO)	Yes	No

ELECTRIC HEATER SCHEDULE

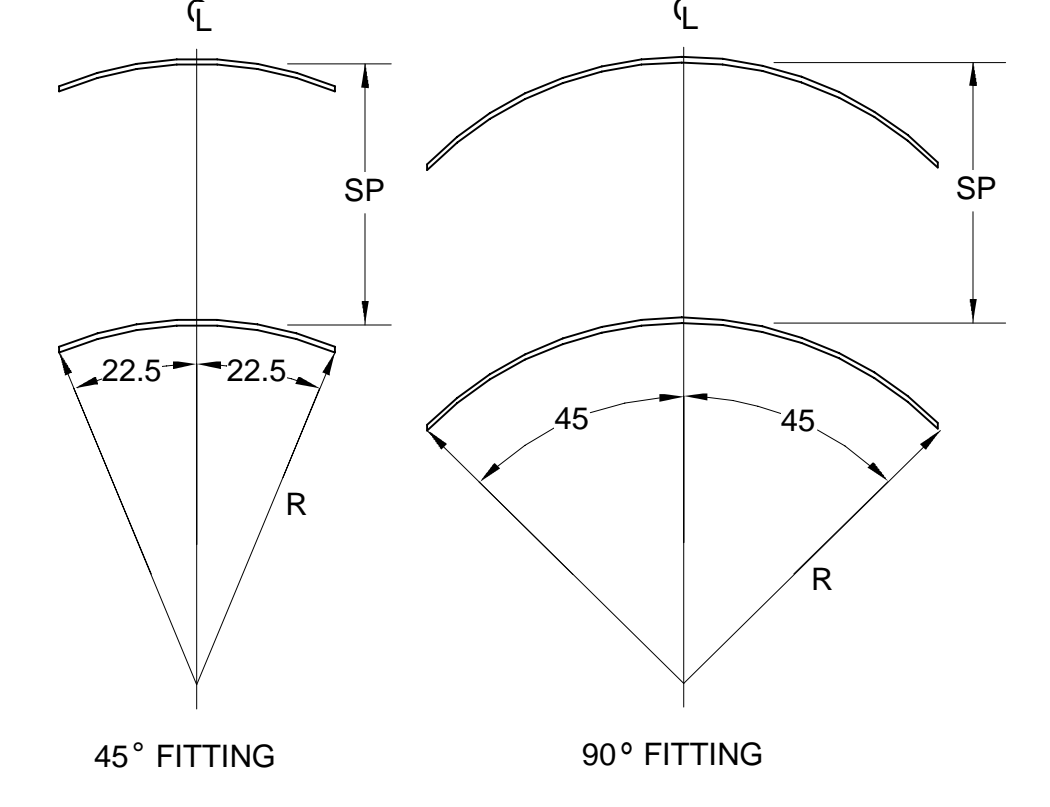
MARK	HEATING INPUT	FRAME LENGTH	FRAME WIDTH	FRAME DEPTH	MOUNTING TYPE	VOLTAGE	PHASE	MOCAP	MODEL	PART NUMBER	MANUFACTURER
EIH#1	6 KW	56"	8.5"	3.5"	WALL BRACKET	240 V	1	40 A	6000W	BH0420035	BROMIC

NOTES

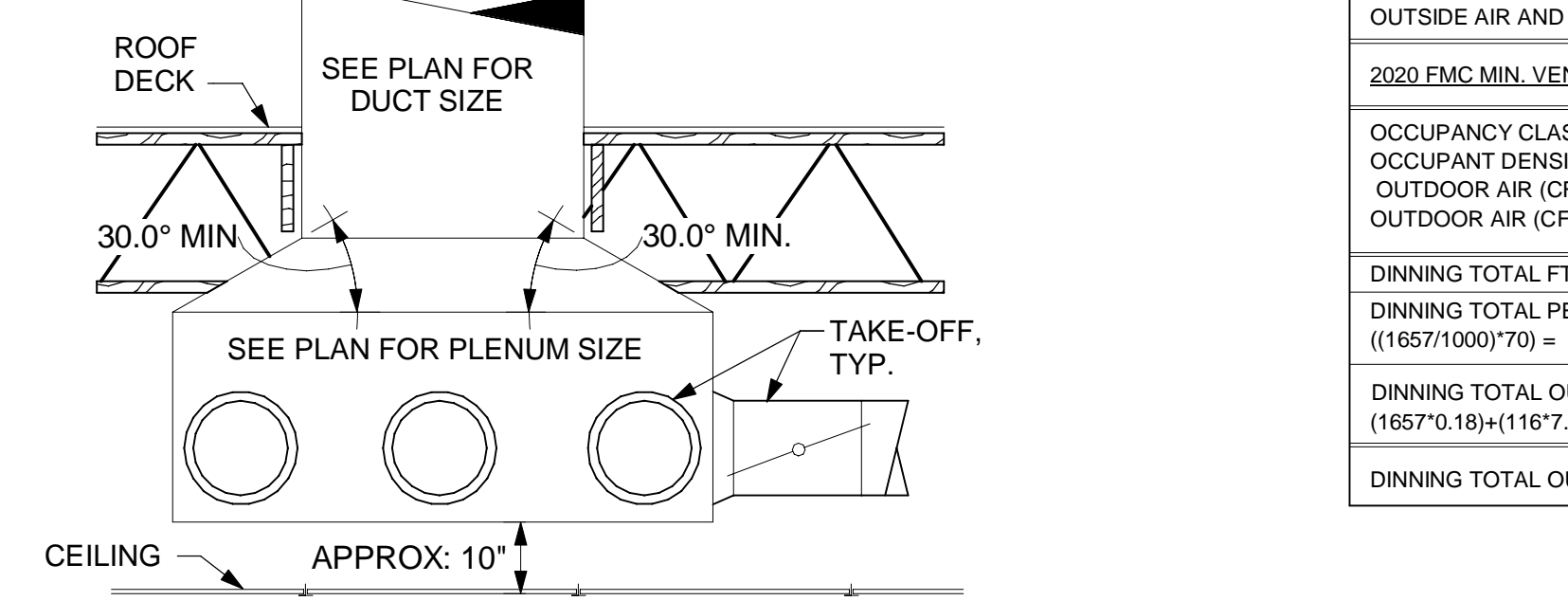
- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH BROMIC HEATING USA FOR THE BROMIC ELECTRIC HEATER. THE MECHANICAL CONTRACTOR SHALL PURCHASE HEATERS DIRECTLY FROM BROMIC HEATING USA. CONTACT MR. BLAKE RUSSIE AT 888-381-4850. FOR PRICING AND AVAILABILITY. BROMIC HEATERS NOT PURCHASED THRU BROMIC HEATING USA WILL NOT BE ACCEPTED.

REMARKS

- STAINLESS STEEL LENS WITH BLACK EMISSIVE COATING.
- PROVIDE ENGRAVED PLASTIC LABEL AT EACH UNIT WITH UNIT DESIGNATION IN 1" HIGH WHITE LETTERS ON A BLACK BACKGROUND.
- PROVIDE BLACK HEATER WITH HIGH TEMPERATURE COATING, AND MANUFACTURER MOUNTING BRACKETS.



5 TURNING VANES
1/4" = 1'-0"



6 RETURN DROP GEOMETRY
NOT TO SCALE

OUTSIDE AIR AND GENERAL EXHAUST CALCULATIONS FOR AC #2

2020 FMC MIN. VENTILATION RATES	
OCCUPANCY CLASSIFICATION - CAFETERIA, FAST FOOD	
OCCUPANT DENSITY #/1000 FT ²	70 PPL/FT ²
OUTDOOR AIR (CFM)/PERSON -	7.5 CFM
OUTDOOR AIR (CFM)/FT ² -	0.18 CFM
DINNING TOTAL FT. ² =	1657 FT ²
OFFICE/CONFERENCE TOTAL PEOPLE ((239/1000)/70) =	116 PEOPLE
DINNING TOTAL OUTSIDE AIR REQ. ((1657*0.18)+(116*7.5))=	1,168 CFM
DINNING TOTAL OUTSIDE PROVIDED=	1,170 CFM

OUTSIDE AIR AND GENERAL EXHAUST CALCULATIONS FOR AC #4

2020 FMC MIN. VENTILATION RATES	
OCCUPANCY CLASSIFICATION - OFFICE/CONFERENCE	
OCCUPANT DENSITY #/1000 FT ²	50 PPL/FT ²
OUTDOOR AIR (CFM)/PERSON -	5.00 CFM
OUTDOOR AIR (CFM)/FT ² -	0.06 CFM
OFFICE/CONFERENCE TOTAL FT. ² =	239 FT ²
OFFICE/CONFERENCE TOTAL PEOPLE ((239/1000)/50) =	12 PEOPLE
OFFICE/CONFERENCE OUTSIDE AIR REQ. ((239*0.06)+(12*5.00))=	75 CFM
DINNING TOTAL OUTSIDE PROVIDED=	500 CFM

RECIRCULATING FAN SCHEDULE

MARK	CFM	ESP	RPM	HP	Area Served	MODEL	MANUFACTURER	REMARKS
RF-1	450 CFM	0.3	1144	58 W	TECH CLOSET	GCVF-700	LOREN COOK	1,2,3

NOTES

- CHICK-FIL-A HAS A NATIONAL ACCOUNT WITH TOM BARRROW COMPANY FOR THE FANS PACKAGE. THE MECHANICAL CONTRACTOR SHALL PURCHASE THE FANS DIRECTLY FROM TOM BARRROW COMPANY. CONTACT MR. SCOTT GEORGE AT 404-351-1010. FOR PRICING AND AVAILABILITY. FANS NOT PURCHASED THRU TOM BARRROW COMPANY WILL NOT BE ACCEPTED.

REMARKS

- PROVIDE NEMA 1 PREWIRED DISCONNECT.
- INTEGRAL POTENTIOMETER ON FAN MOTOR. SET TO FULL SPEED.
- PROVIDE THERMOSTAT / TEMPERATURE CONTROLLER. SET TO 76°F.



Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

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San Antonio, TX 78216
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+1 (210) 510-2319 fax
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FLORIDA COA #32861

CHICK-FIL-A
PRINCETON
11250 SW 248TH Street
Princeton, FL 33032

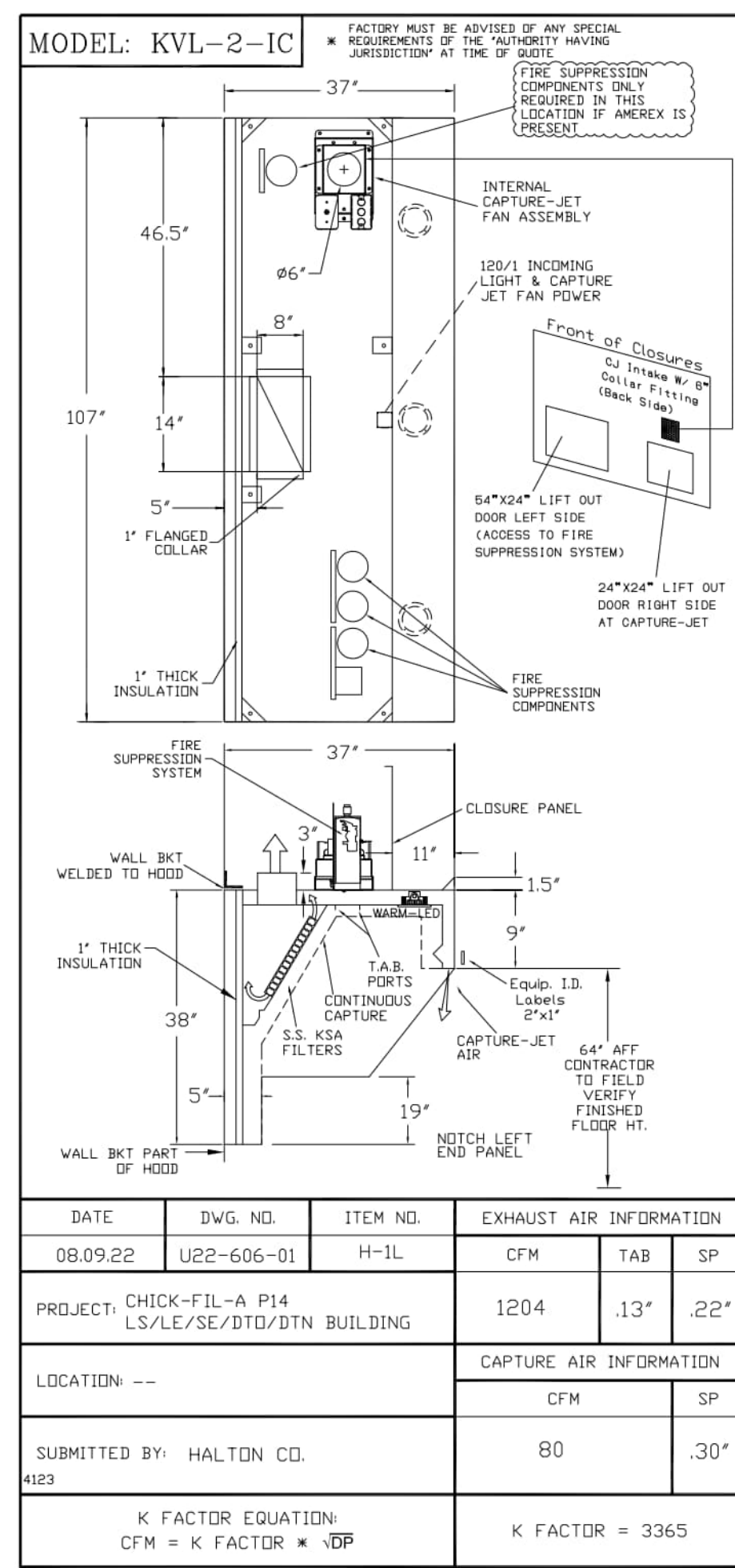
FRS #05224
BUILDING TYPE / SIZE: P14 SE LRG
RELEASE: 22-08

DESIGN DEVELOPMENT
REVISION SCHEDULE
NO. DATE DESCRIPTION
08.11.2023 IFC SET

CONSULTANT PROJECT # 22-TX161-01
DATE 12/08/2022

DESIGNED BY AUTHOR
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HVAC DETAILS AND SCHEDULES
SHEET NUMBER
M-401



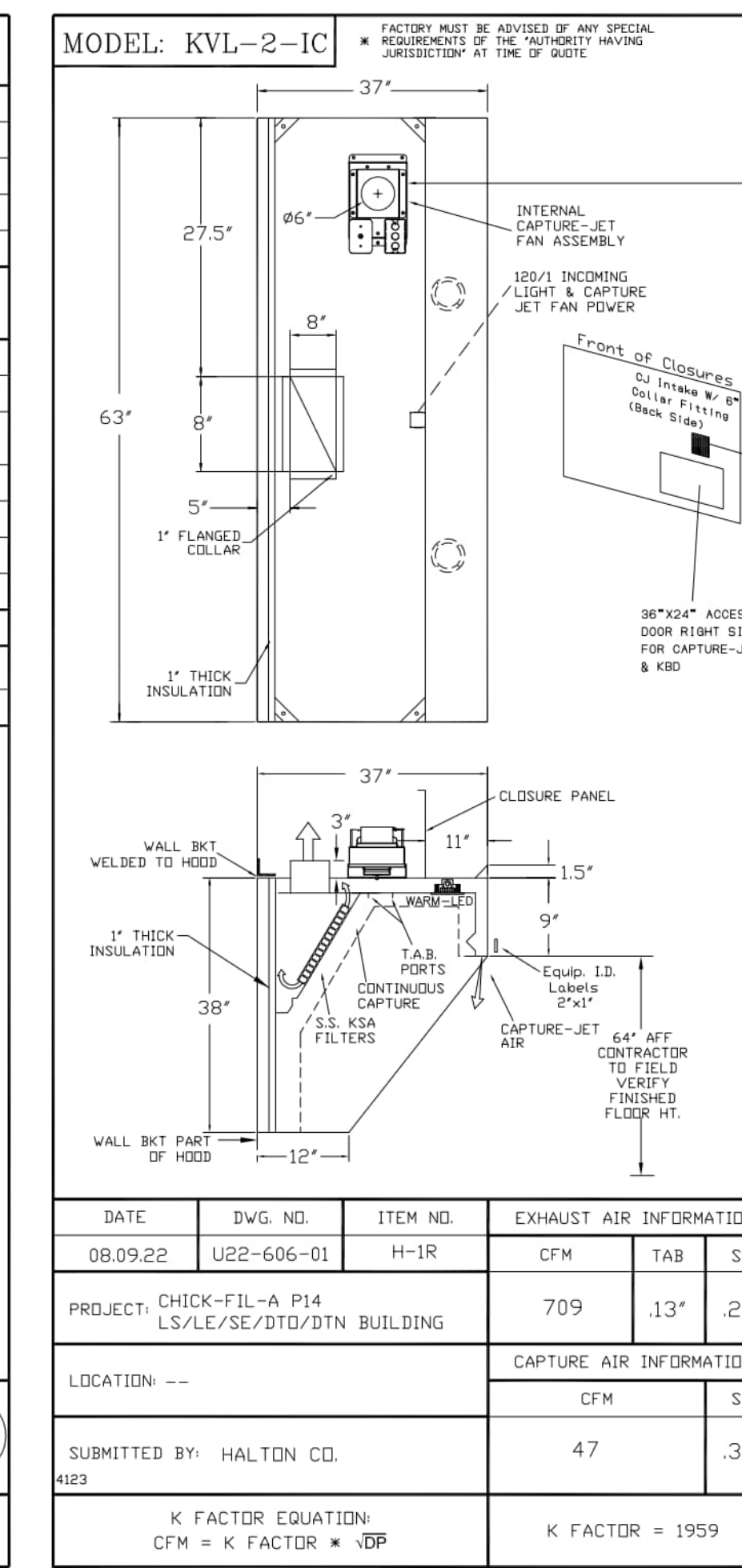
STANDARD FEATURES	
S.S. FILTERS (KSA)	5
1/2 S.S. FILTERS (KSA)	1
CAPTURE-JET	*
STAND-OFF	*
L.E.D. LIGHTS	3

OPTIONS	
REMOTE SWITCH PANEL	*
FIRE PROTECTION	*
ETL LISTED W/D EXHAUST DAMPER	*
CEILING CLOSURE	2
STD. BACKSPASH	*
INSULATED BACKSPASH	*
KBD DAMPER	*

MATERIAL	
EXPOSED SURFACES	18 GA. S.S.
ALL 18 GA. S.S.	*

EQUIPMENT COVERED (2) FRYERS	
DATE	08.09.22
DWG. NO.	U22-606-01
ITEM NO.	H-1L
EXHAUST AIR INFORMATION	CFM T.A.B. SP
CFM	1204
T.A.B.	.13
SP	.22

EQUIPMENT COVERED (2) FRYERS	
DATE	08.09.22
DWG. NO.	U22-606-01
ITEM NO.	H-1R
EXHAUST AIR INFORMATION	CFM T.A.B. SP
CFM	709
T.A.B.	.13
SP	.23

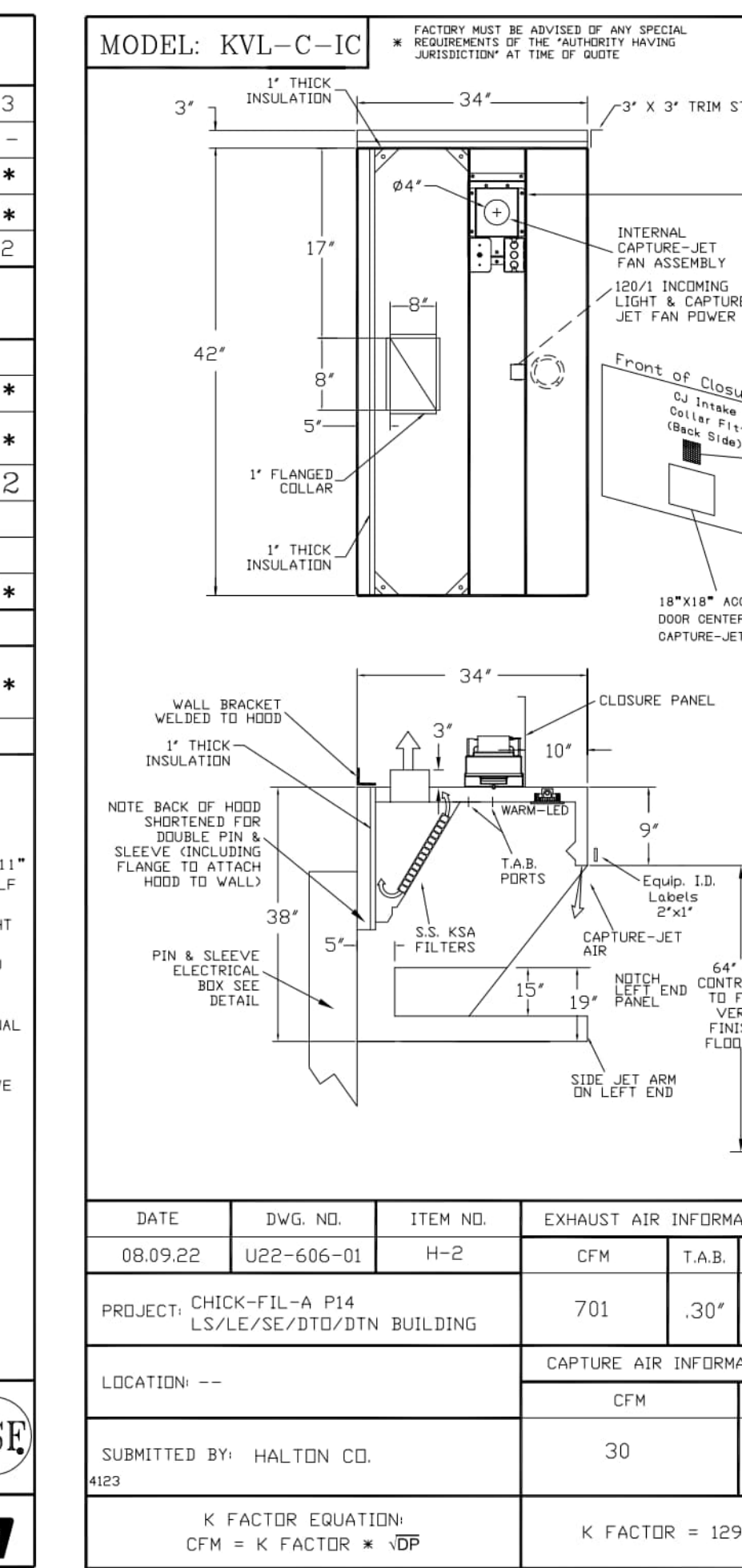


STANDARD FEATURES	
S.S. FILTERS (KSA)	3
1/2 S.S. FILTERS (KSA)	1
CAPTURE-JET	*
STAND-OFF	*
L.E.D. LIGHTS	2

OPTIONS	
REMOTE SWITCH PANEL	*
FIRE PROTECTION	*
ETL LISTED W/D EXHAUST DAMPER	*
CEILING CLOSURE	2
STD. BACKSPASH	*
INSULATED BACKSPASH	*
KBD DAMPER	*

MATERIAL	
EXPOSED SURFACES	18 GA. S.S.
ALL 18 GA. S.S.	*

EQUIPMENT COVERED (2) FRYERS	
DATE	08.09.22
DWG. NO.	U22-606-01
ITEM NO.	H-2
EXHAUST AIR INFORMATION	CFM T.A.B. SP
CFM	701
T.A.B.	.30
SP	.39

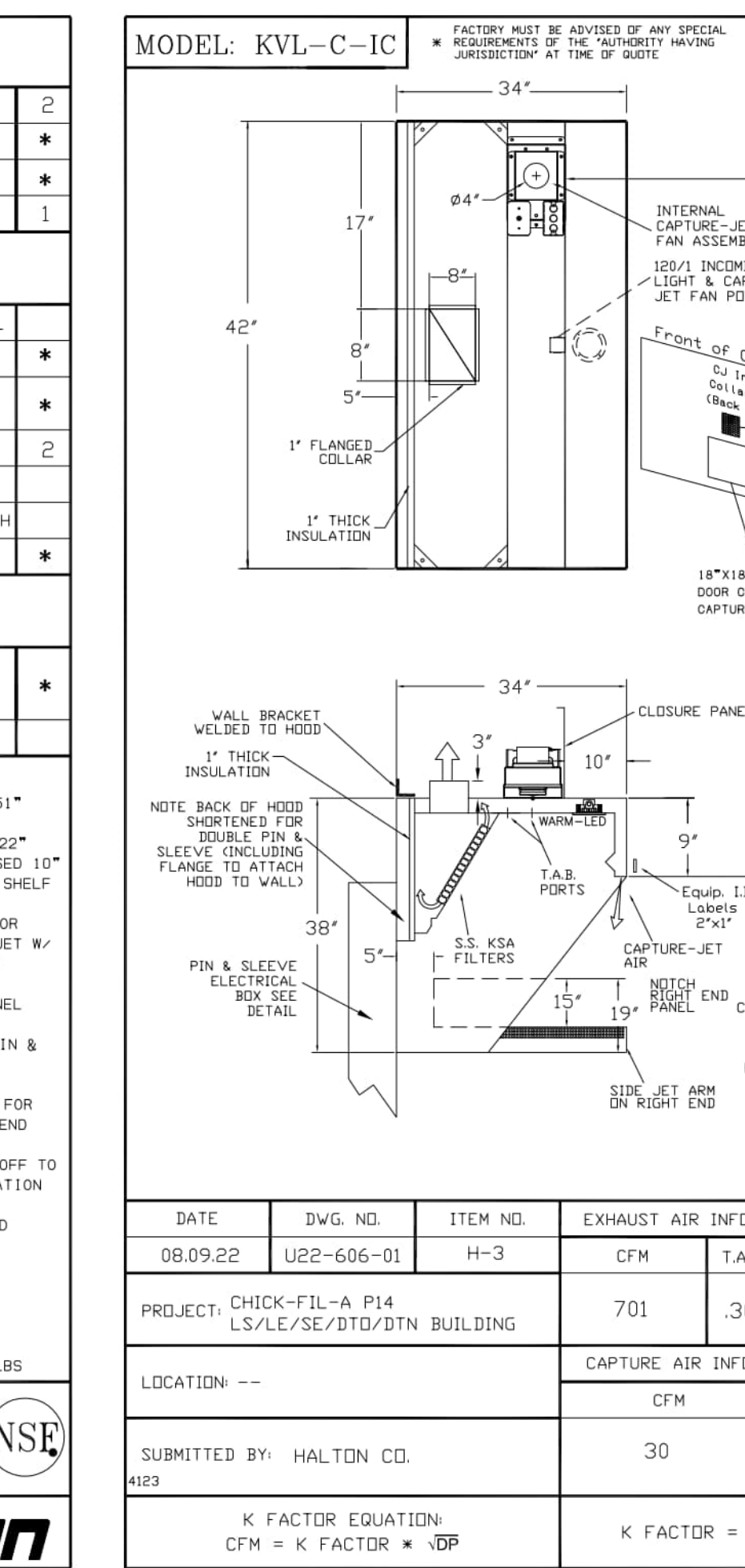


STANDARD FEATURES	
S.S. FILTERS (KSA)	2
CAPTURE-JET	*
STAND-OFF	*
L.E.D. LIGHTS	1

OPTIONS	
REMOTE SWITCH PANEL	*
FIRE PROTECTION	*
ETL LISTED W/D EXHAUST DAMPER	*
CEILING CLOSURE	2
STD. BACKSPASH	*
INSULATED BACKSPASH	*
KBD DAMPER	*

MATERIAL	
EXPOSED SURFACES	18 GA. S.S.
ALL 18 GA. S.S.	*

EQUIPMENT COVERED (2) FRYERS	
DATE	08.09.22
DWG. NO.	U22-606-01
ITEM NO.	H-3
EXHAUST AIR INFORMATION	CFM T.A.B. SP
CFM	701
T.A.B.	.30
SP	.39

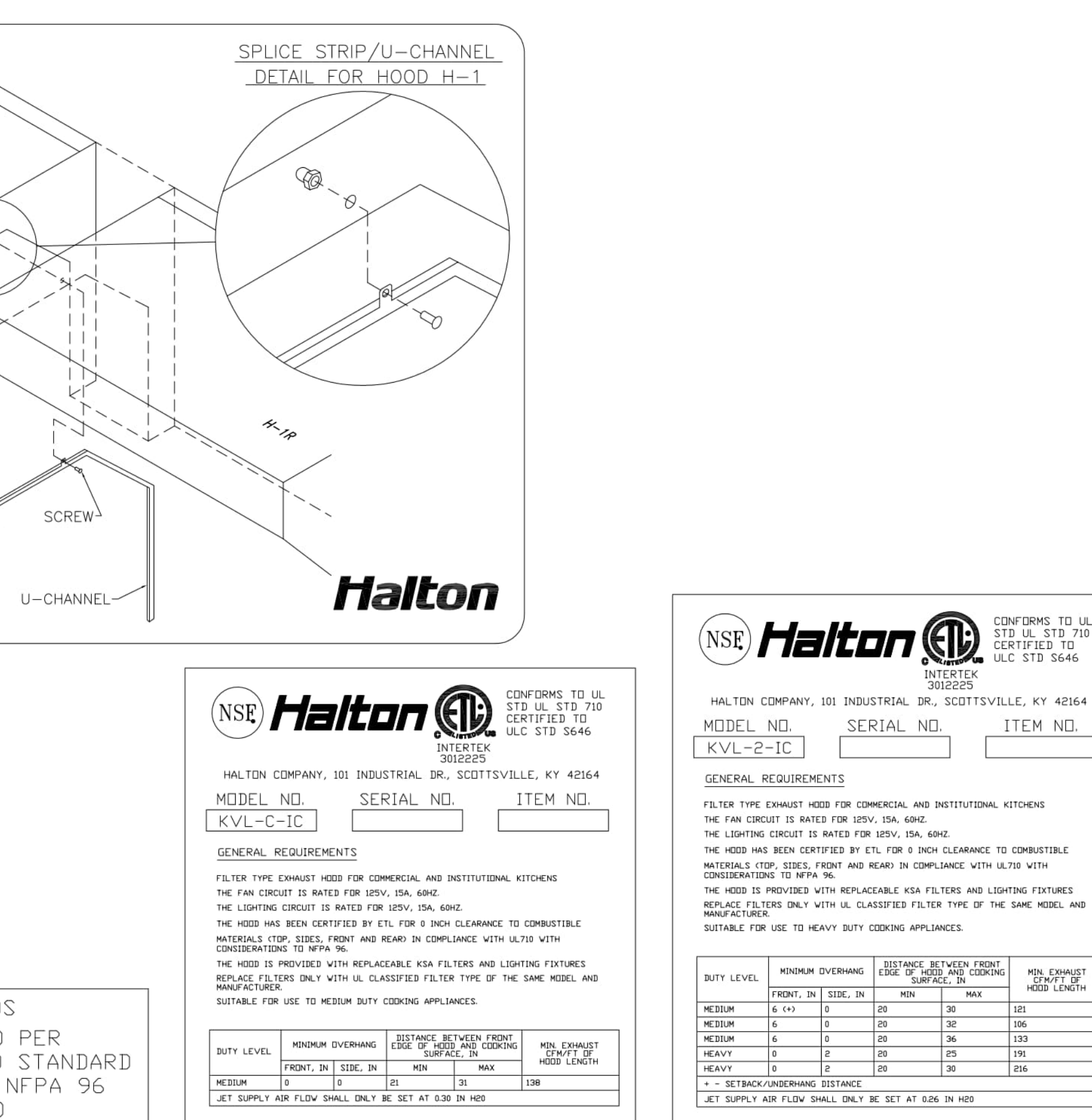
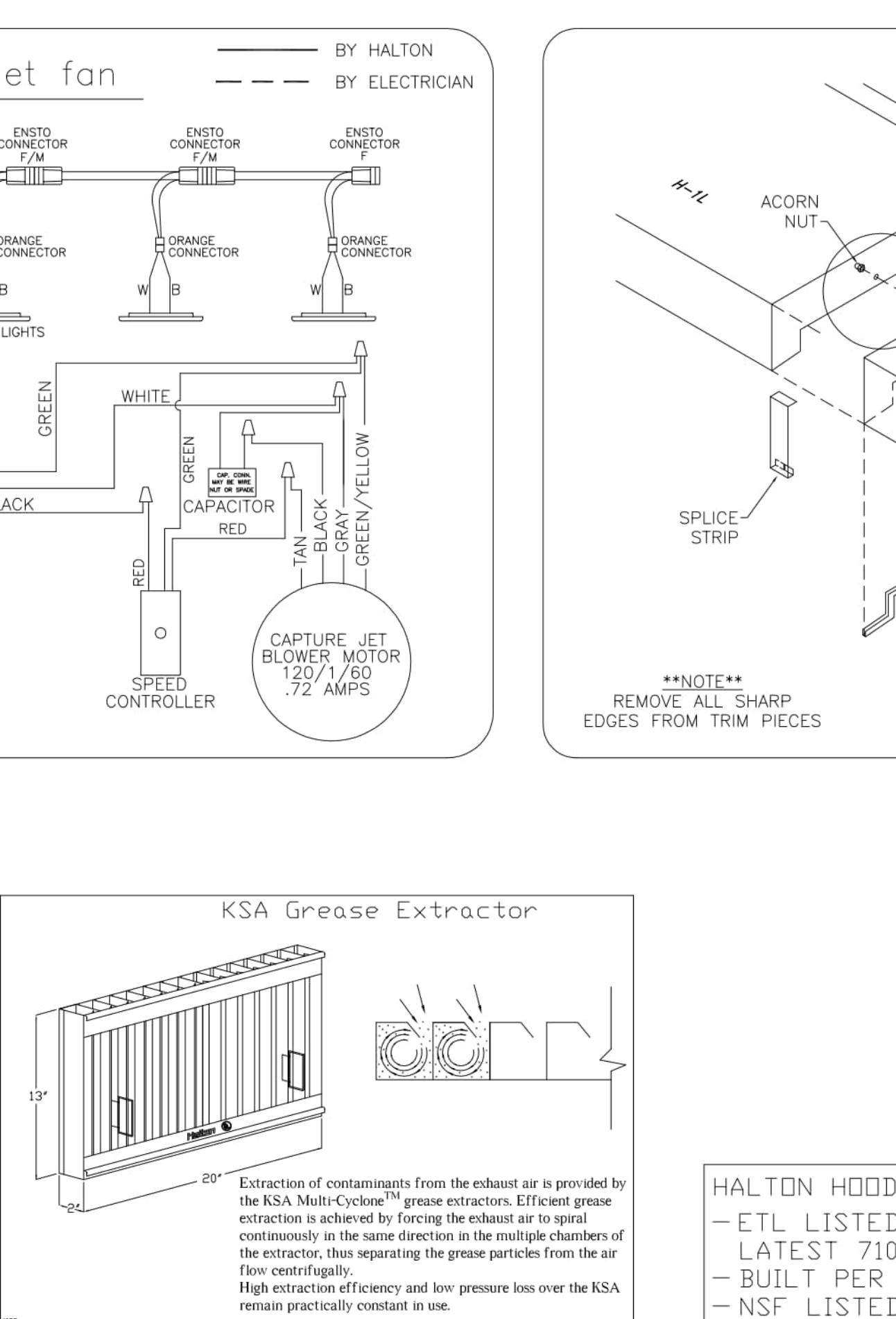
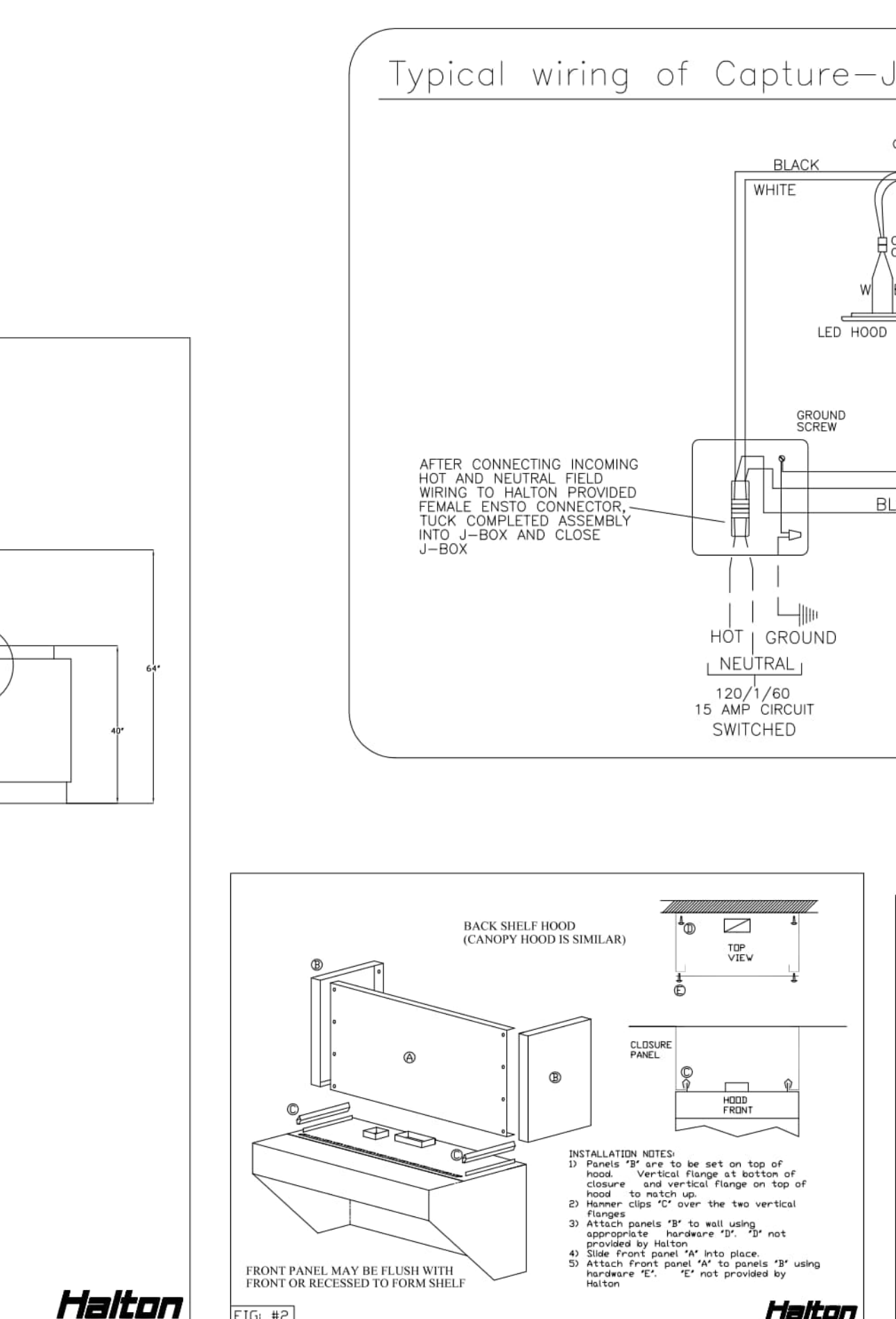
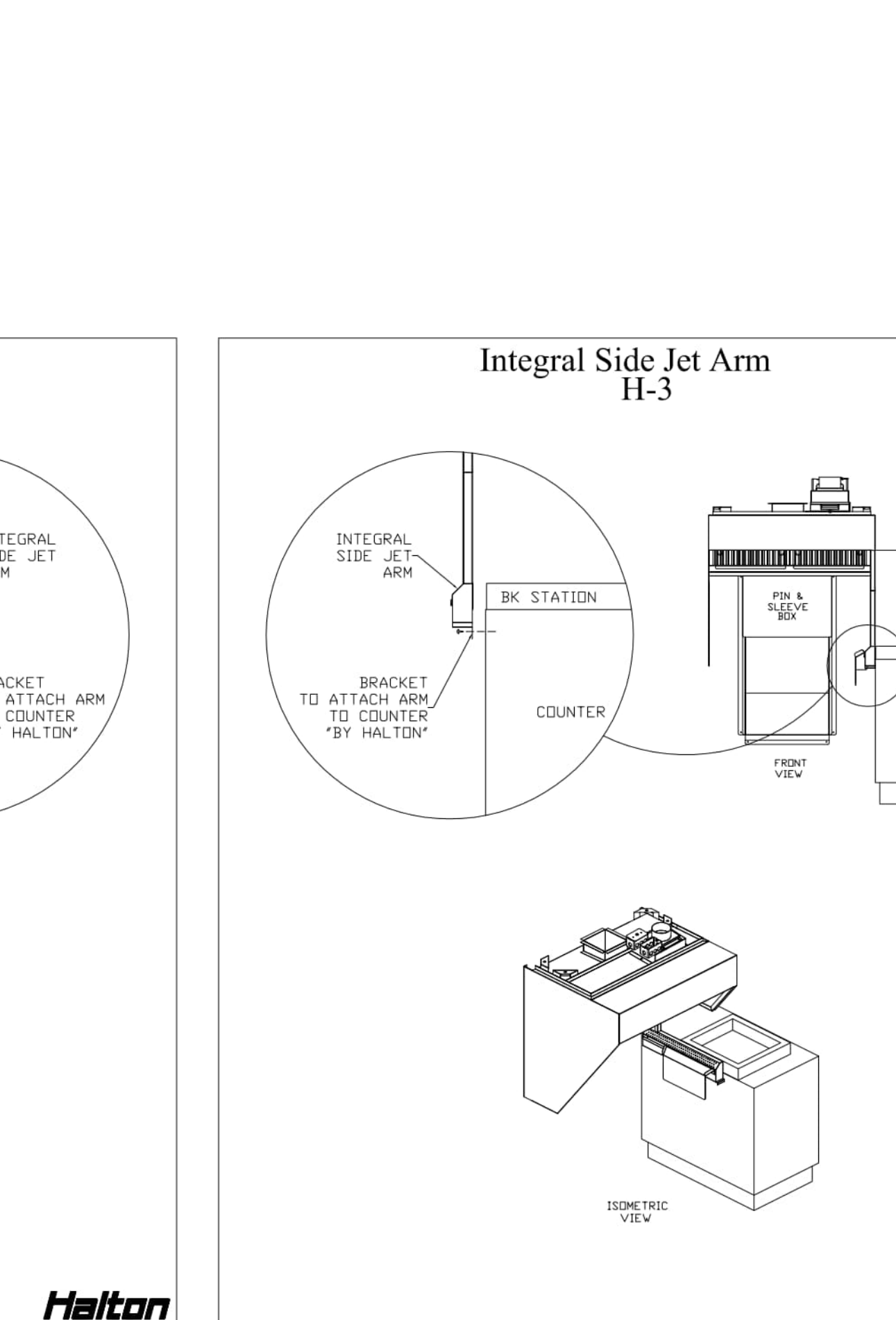
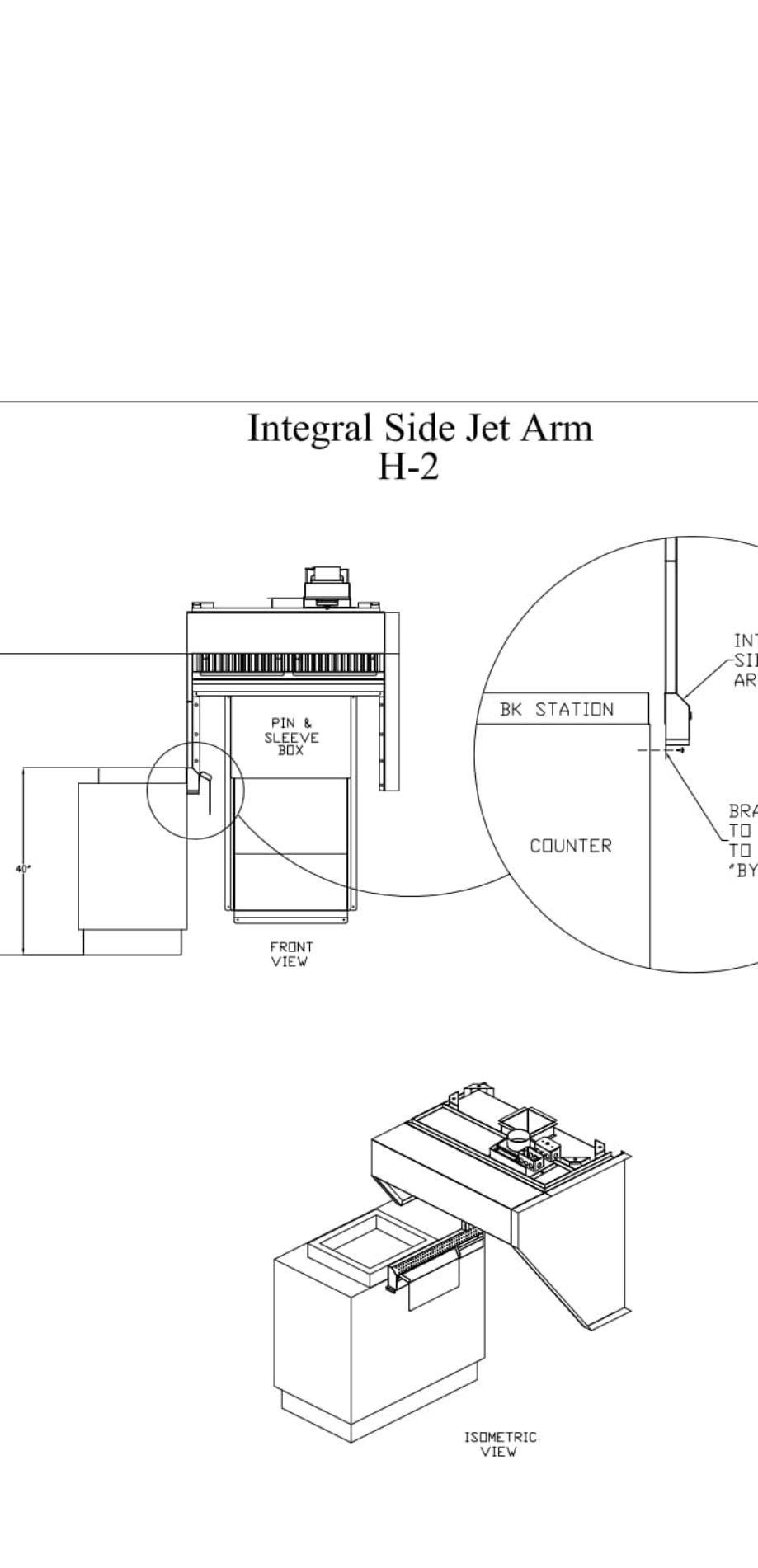
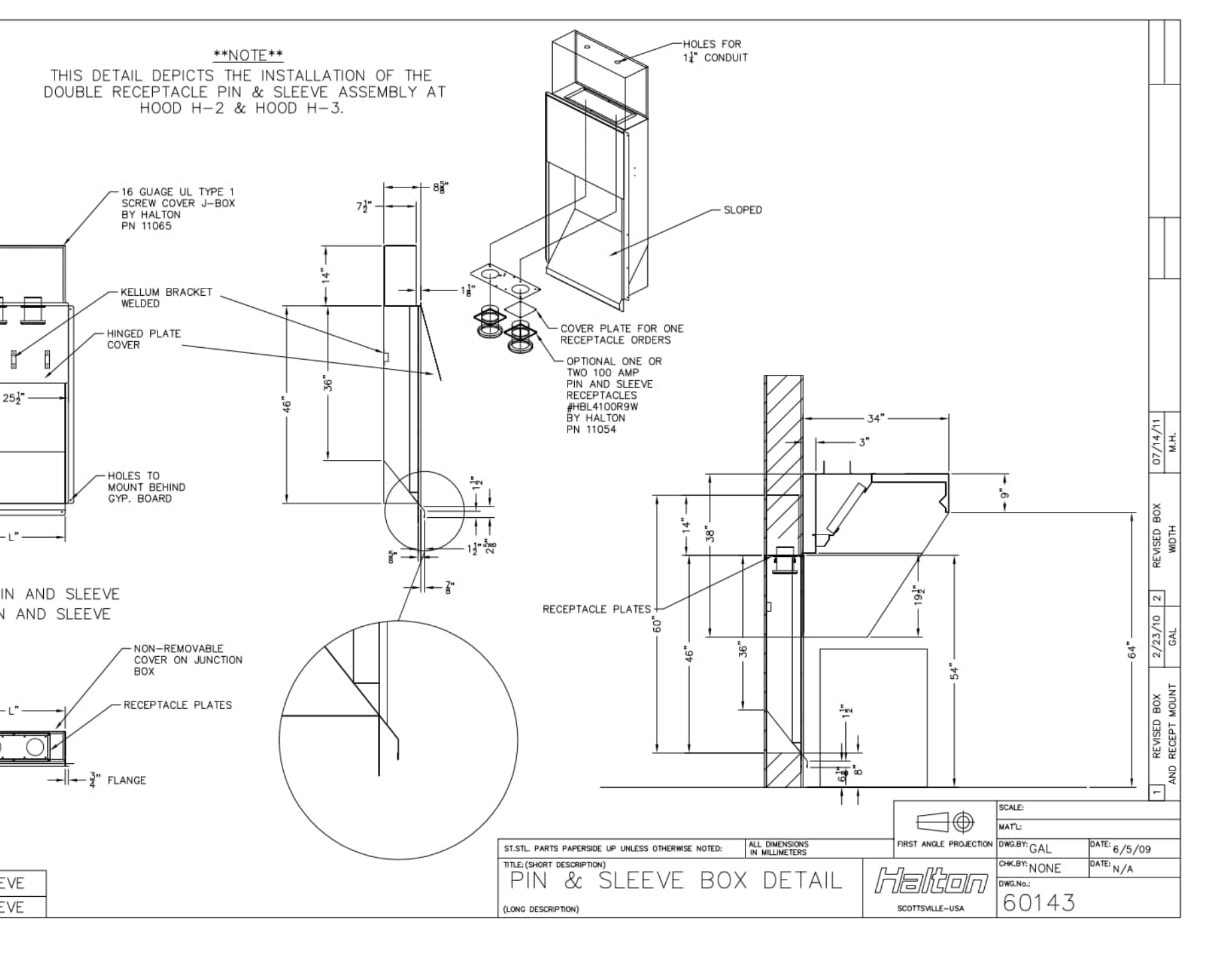
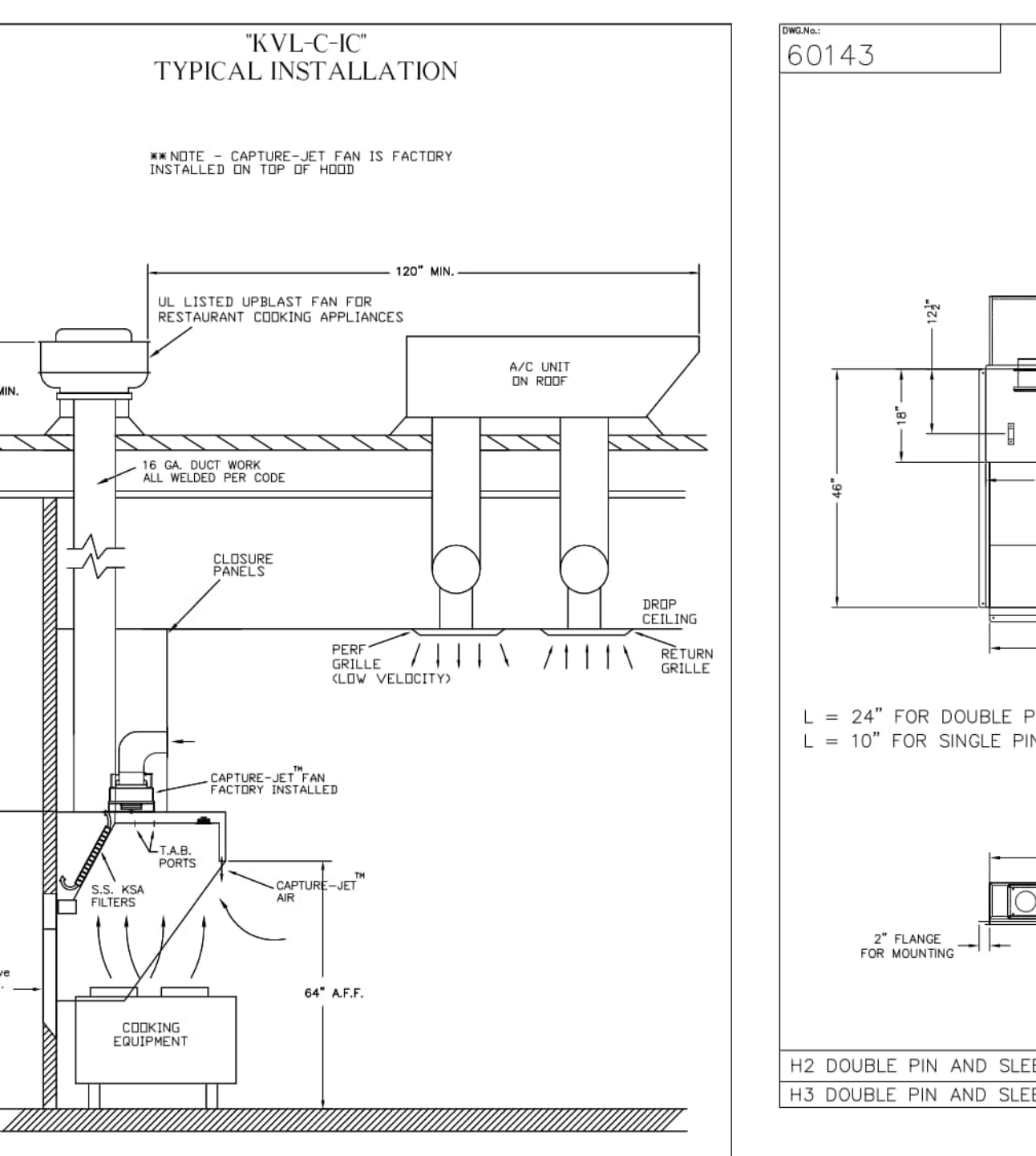
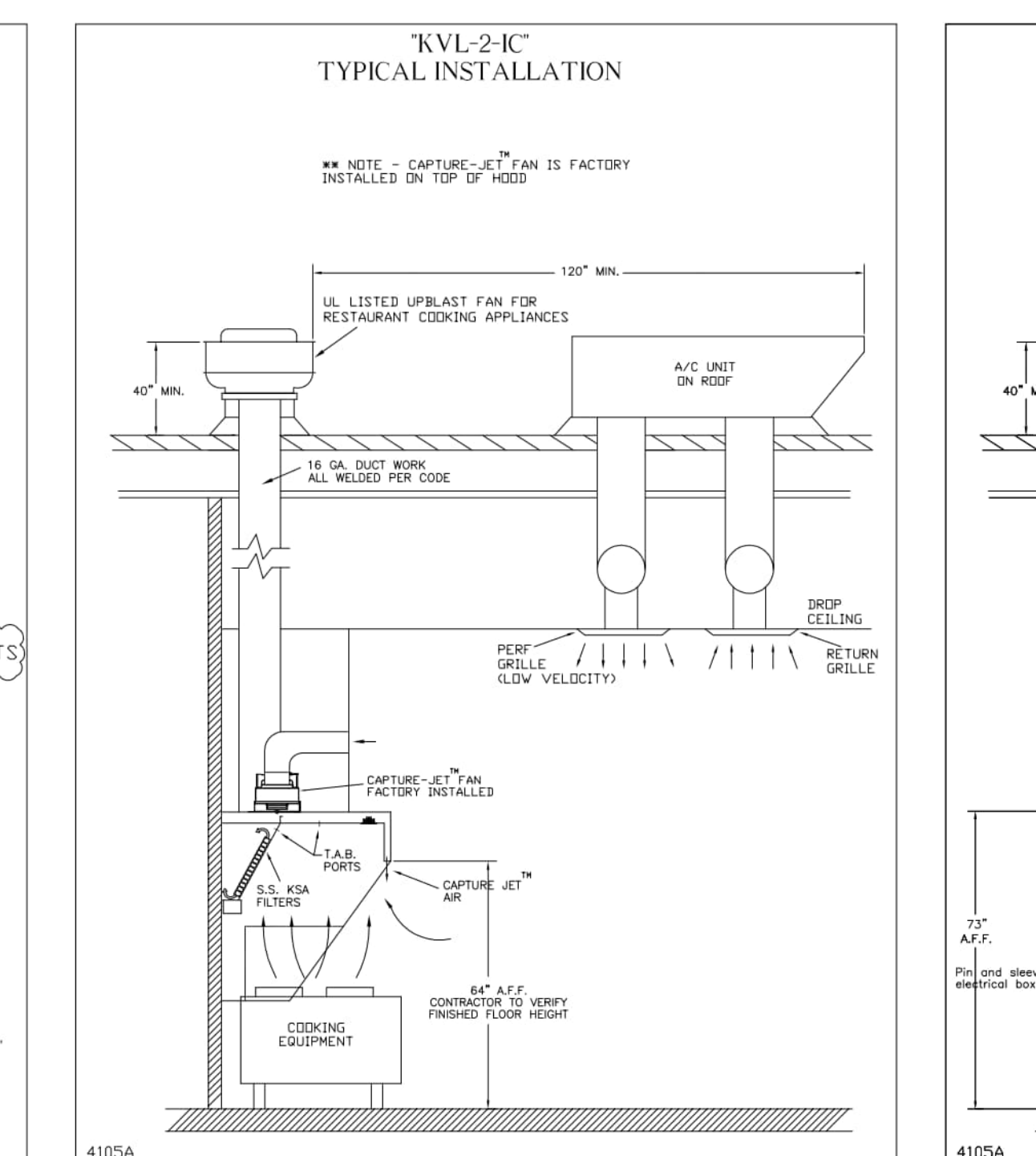
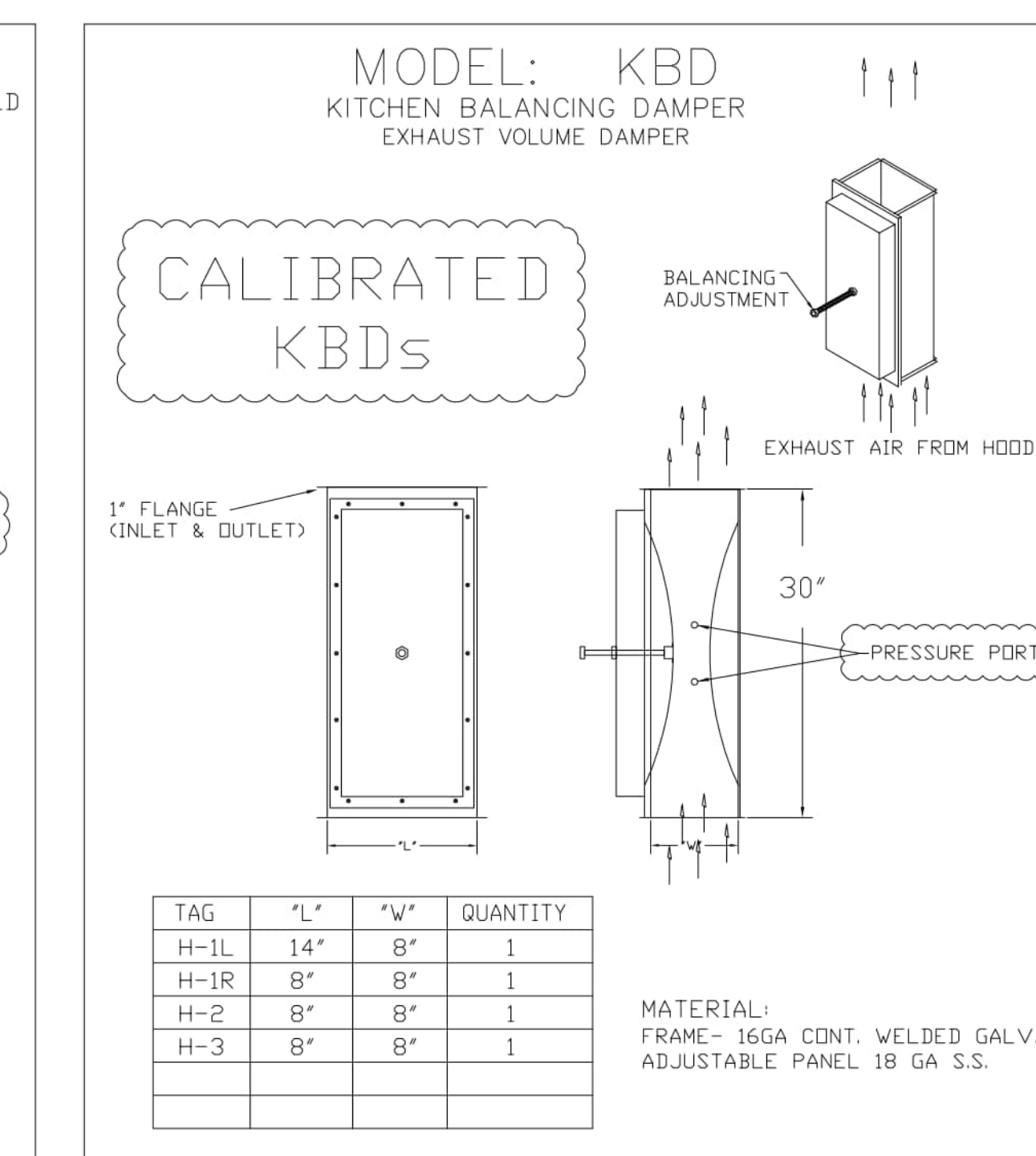
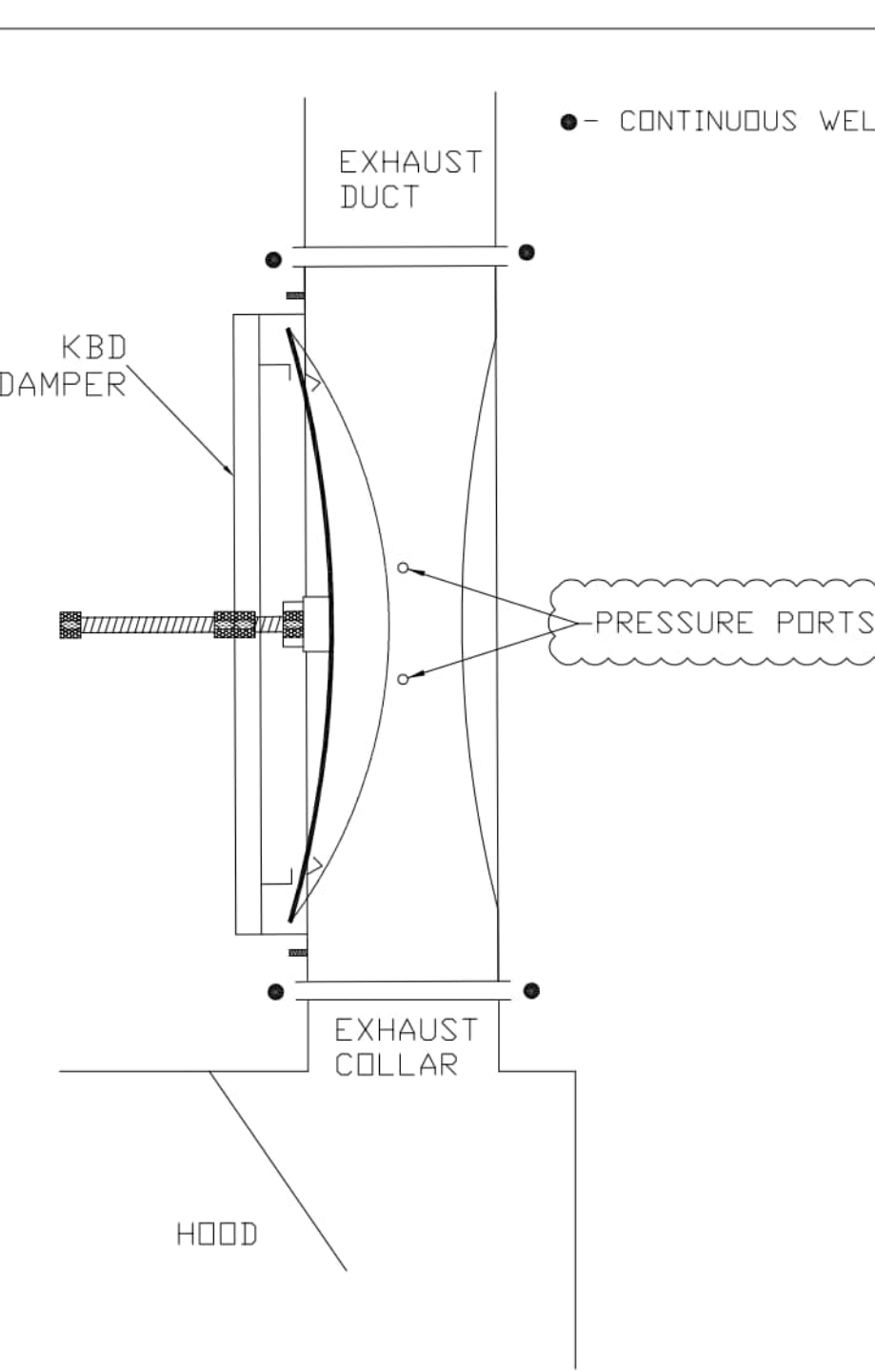
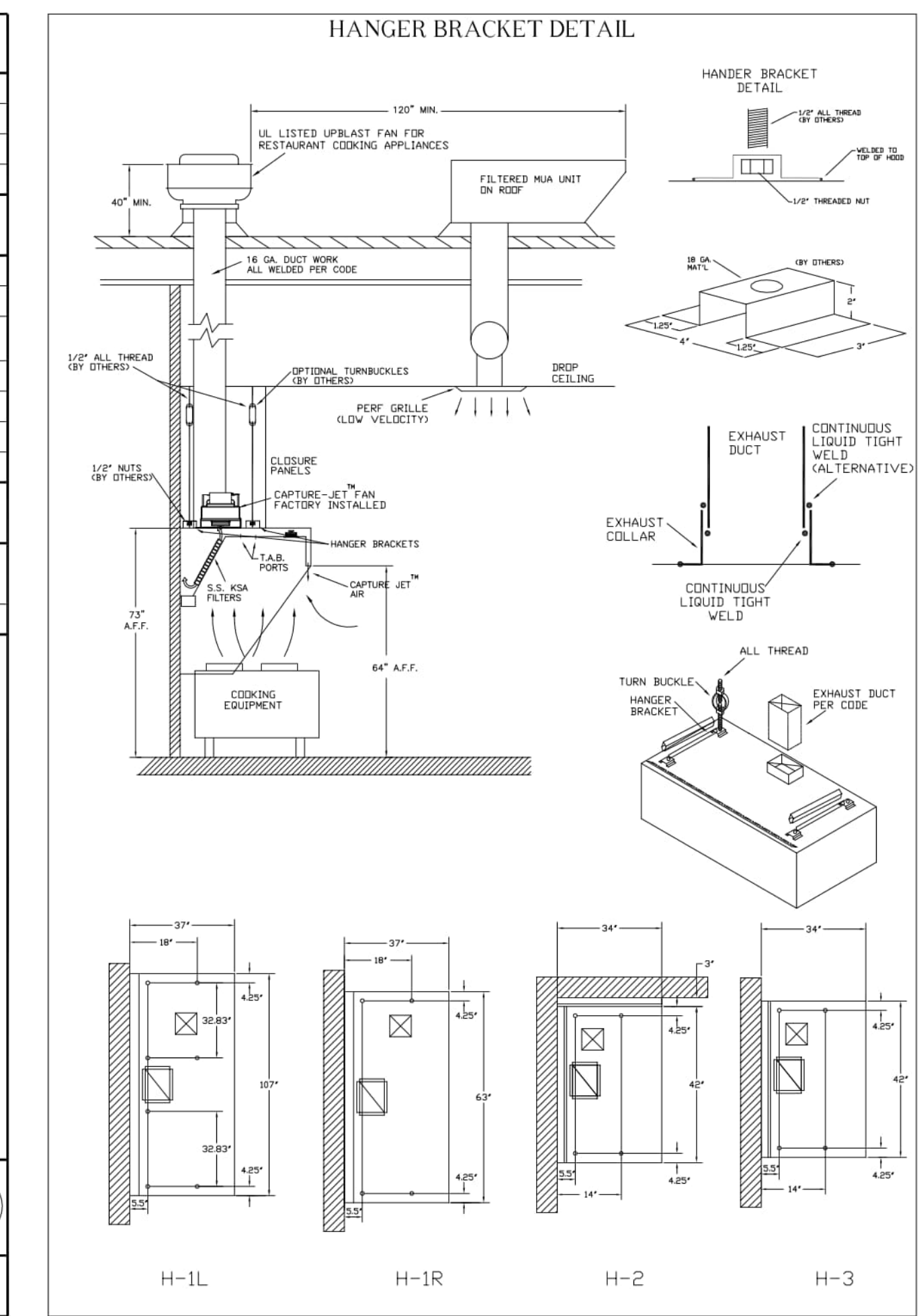


STANDARD FEATURES	
S.S. FILTERS (KSA)	2
CAPTURE-JET	*
STAND-OFF	*
L.E.D. LIGHTS	1

OPTIONS	
REMOTE SWITCH PANEL	*
FIRE PROTECTION	*
ETL LISTED W/D EXHAUST DAMPER	*
CEILING CLOSURE	2
STD. BACKSPASH	*
INSULATED BACKSPASH	*
KBD DAMPER	*

MATERIAL	
EXPOSED SURFACES	18 GA. S.S.
ALL 18 GA. S.S.	*

EQUIPMENT COVERED (2) FRYERS	
DATE	08.09.22
DWG. NO.	U22-606-01
ITEM NO.	H-3
EXHAUST AIR INFORMATION	CFM T.A.B. SP
CFM	30
T.A.B.	.29
SP	.29



THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFYING THE FOLLOWING:

- ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS
- THE LOCATION AND TYPE OF COOKING EQUIPMENT
- NOTE TO APPROVER: ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR. A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

APPROVED FOR FABRICATION: WITH NO CHANGES WITH CHANGES AS NOTED

DATE: _____

WEBSITE: WWW.HALTON.COM

HALTON CO. (USA)
101 INDUSTRIAL DRIVE
SCOTTSDALE, KY 42164
1-270-237-9600

HALTON CO. (CANADA)
1021 BREVKV PLACE 3R7
MISSISSAUGA, ON L4W 1W4
1-905-624-0301

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

REV.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

PROJECT: CHICK-FIL-A P14
LS/LE/SE/DTO/DTN BUILDING

DATE: 08.09.22

SCALE: NTS

Halton Dwg: U22-606-01

Sheet MH-1.1

CONFORMS TO UL LISTED TO IBC 2018 CERTIFIED TO IBC 2018 IBC STD 5646

INTERTEK 3012025

HALTON COMPANY, 101 INDUSTRIAL DR., SCOTTSDALE, KY 42164

MODEL NO. SERIAL NO. ITEM NO.

KVL-2-1C

GENERAL REQUIREMENTS

EXTRACTOR TYPE EXHAUST HOOD FOR COMMERCIAL AND INSTITUTIONAL KITCHENS

THE FAN CURTAIN IS RATED FOR 30V, 15A, 60HZ

THE LIGHTING CIRCUIT IS RATED FOR 30V, 15A, 60HZ

THE HOOD HAS BEEN CERTIFIED BY ETL FOR 3" HOOD CLEARANCE TO COMBUSTIBLE MATERIALS (SEE LABEL FRONT AND REAR) IN COMPLIANCE WITH UL709 WITH CONSIDERATIONS TO NFPA 96.

THE HOOD IS PROVIDED WITH REMOVABLE KSA FILTERS AND LIGHTING FEATURES. REDUCE CLEARANCE ONLY WITH UL CLASSIFIED FILTER TYPE OF THE SAME MODEL AND SUITABLE FOR USE TO HEAVY DUTY COOKING APPLIANCES.

DUTY LEVEL	MINIMUM OVERHANG (FRONT, IN)	MINIMUM OVERHANG (REAR, IN)	MINIMUM OVERHANG (SIDE, IN)	MINIMUM OVERHANG (TOP, IN)	MINIMUM OVERHANG (BOTTOM, IN)
LOW	6"	6"	6"	6"	6"
MEDIUM	6"	6"	6"	6"	6"
HIGH	6"	6"	6"	6"	6"

1" SETBACK/UNDERHUNG DISTANCE

JET SUPPLY AIR FLOW SHALL ONLY BE SET AT 50% IN HOOD

8/4/2023 4:02:59 PM Autodesk Docs://FL_05224_Princeton (FL) FSU_2022.6_FSR/05224_Princeton (FL) FSU_MEC.rvt 30-SE-05224-M-301-HOOD DETAILS AND SCHEDULES

GREASE EXHAUST DUCT CLEARANCE NOTE:
 CLEARANCES ABOVE CEILING ARE TIGHT. MECHANICAL CONTRACTOR TO FIELD VERIFY EXACT ROUTING AND CLEARANCES PRIOR TO FABRICATING GREASE EXHAUST DUCT.

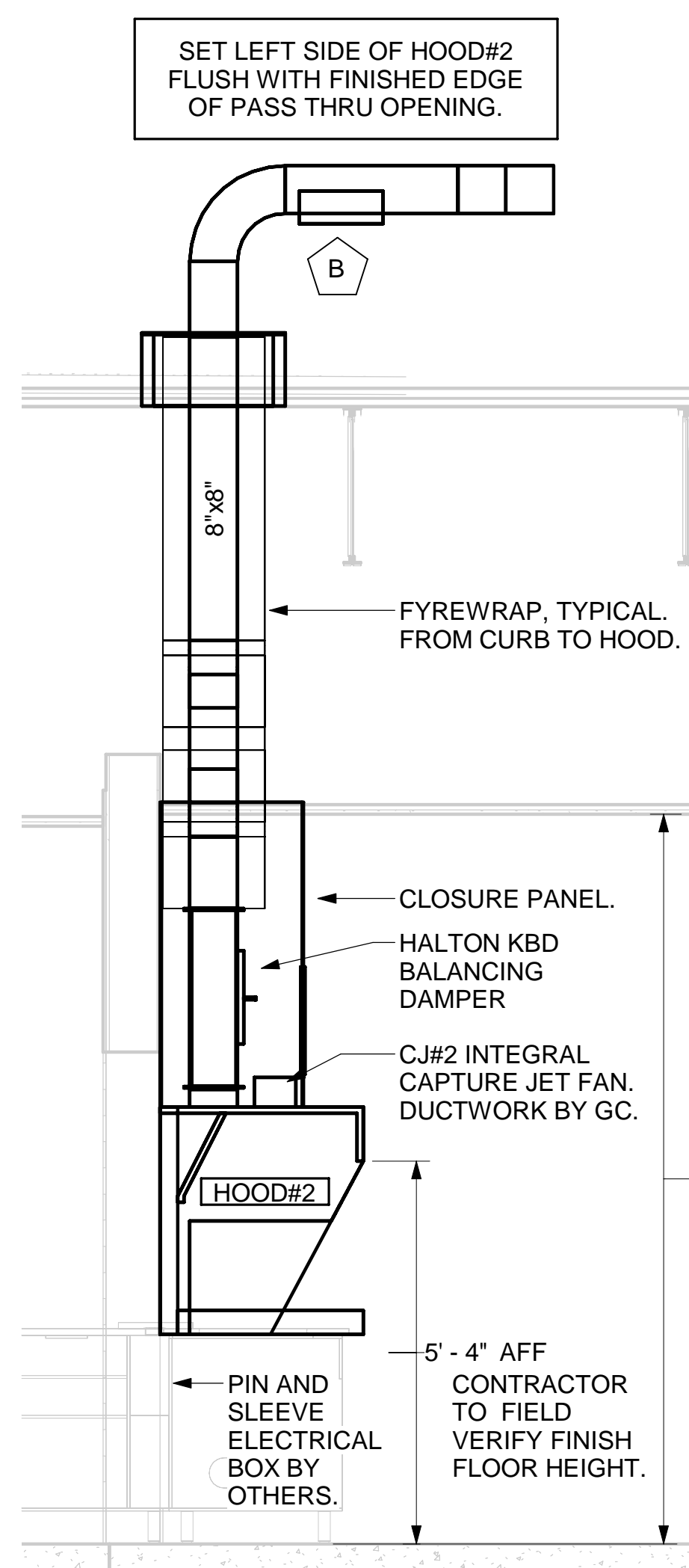
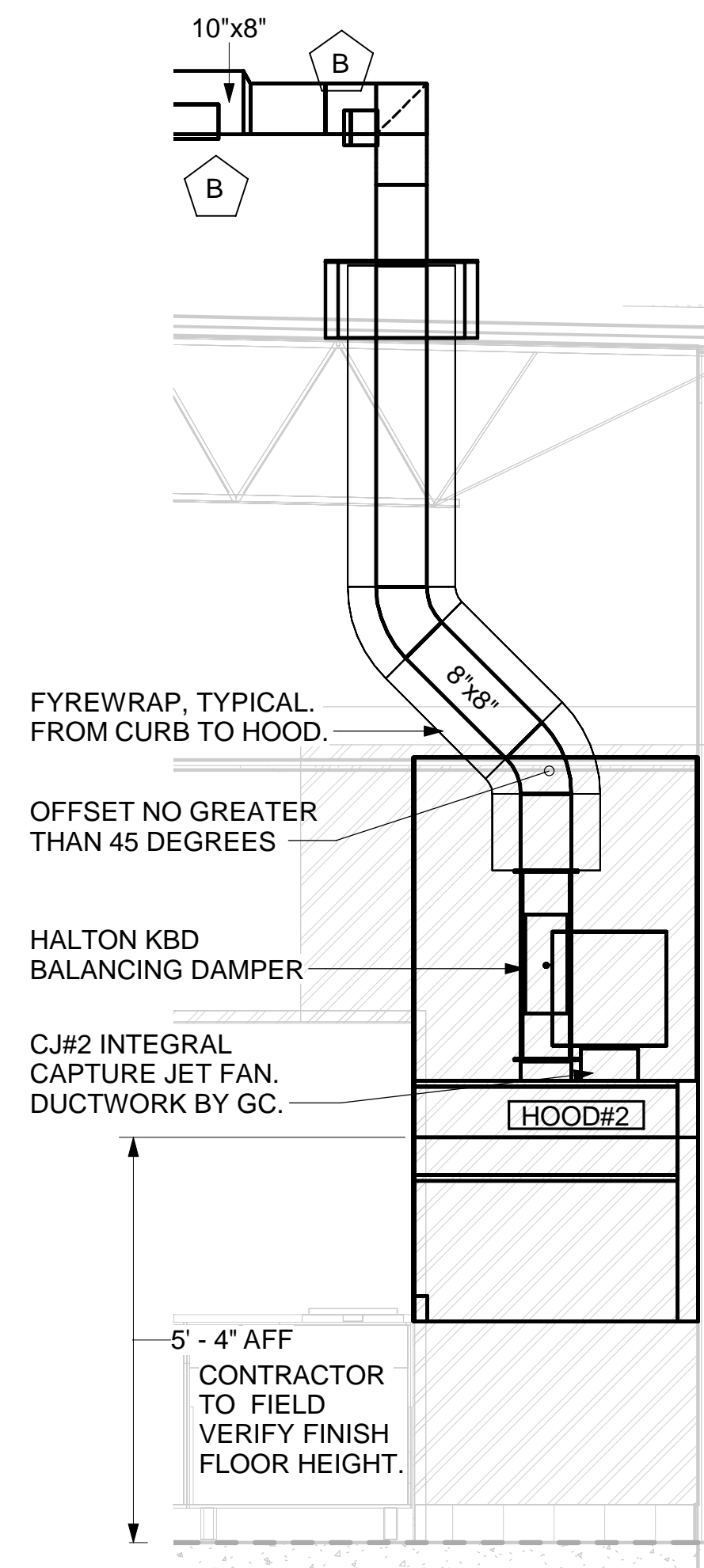
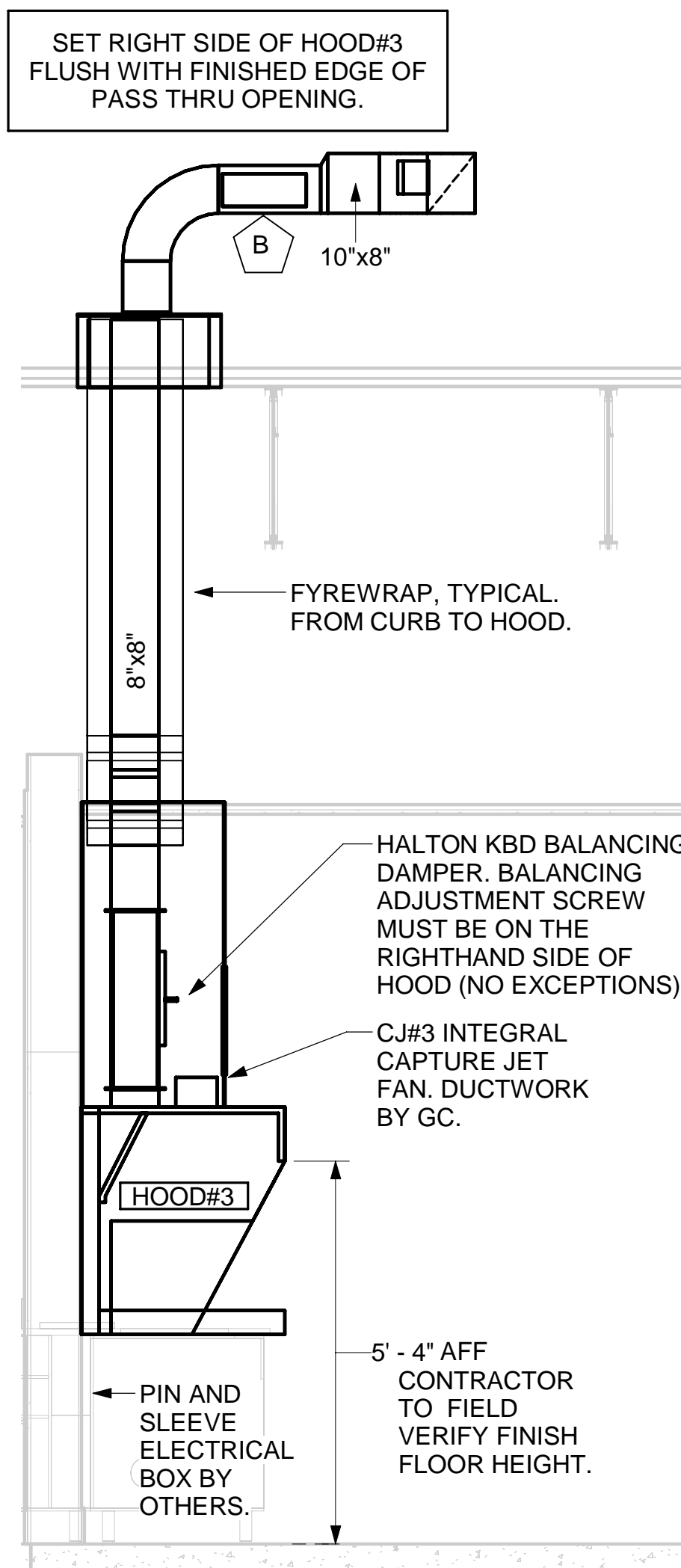
CLEANOUT DOOR NOTE:
 DUCT WRAP SHALL BE APPLIED TO THE CLEANOUT DOOR PER THE WRAP MFR'S INSTALLATION INSTRUCTIONS. NO EXCEPTIONS. ALSO, THE CLEANOUT DOOR MUST BE REMOVABLE WITHOUT TOOLS AND MUST BE CLEARLY AND PERMANENTLY LABELED.

FIRE SUPPRESSION SYSTEM NOTES:
 1. FIRE MODE REQUIRES THE EXHAUST FAN TO CONTINUE TO OPERATE. SUPPLY FAN (RTU SUPPLY FAN) STOPS AND ACTIVATES BUILDING ALARM SYSTEM.
 2. HOOD EXHAUST FAN SHALL OPERATE WHENEVER THE EXTINGUISHING SYSTEM IS ACTIVATED.

HOOD SCHEDULE - LARGE BLDG											
MARK	EXHAUST CFM	SP @ TAB PORT	CAPTURE JET CFM & S.P.	TYPE	COLLAR SIZE	WIDTH	DEPTH	HEIGHT	MANUFACTURER	MODEL	REMARKS
HOOD#1L	1,204 CFM	0.13"	80 @ 0.30"	BACKSHELF	14"x8"	107"	37"	38"	HALTON	KVL-2 IC	1, 2, 3, 4, 5, 7, 8, 9, 12, 16, 21, 23
HOOD#1R	709 CFM	0.13"	47 @ 0.30"	BACKSHELF	8"x8"	63"	37"	38"	HALTON	KVL-2 IC	1, 2, 3, 5, 7, 8, 9, 12, 20, 21, 22
HOOD#2	701 CFM	.30"	30 @ 0.29"	BACKSHELF	8"x8"	42"	34"	38"	HALTON	KVL-C	1, 2, 3, 6, 7, 8, 9, 12, 13, 15, 16, 18, 21
HOOD#3	701 CFM	.30"	30 @ 0.29"	BACKSHELF	8"x8"	42"	34"	38"	HALTON	KVL-C	1, 2, 3, 4, 6, 7, 8, 10, 12, 14, 17, 21
NOTES	DIMENSIONS OF HOODS INCLUDE BACK AND SIDE SPACERS (HEIGHT DOES NOT INCLUDE CLOSURE PANELS).										
REMARKS	1. STAINLESS STEEL CONSTRUCTION. 2. PROVIDE FULL HEIGHT SS CLOSURE PANEL WITH ACCESS PANEL IN FRONT LARGE ENOUGH TO REMOVE CAPTURE JET FAN, FIRE SUPPRESSION COMPONENTS, AND/OR TO ACCESS KBD EQUALIZER JACK SCREW. 3. PROVIDE PRE-PIPED FIRE SUPPRESSION SYSTEM. 4. FIRE SUPPRESSION CABINET AND COMPONENTS ABOVE HOOD ON LEFT SIDE. 5. PROVIDE 3" ZERO CLEARANCE TO COMBUSTIBLE BACK SPACER. 6. PROVIDE 3" ZERO CLEARANCE TO COMBUSTIBLE CUSTOM BACK SPACER TO ACCOMMODATE PIN AND SLEEVE ELECTRICAL BOX. 7. PROVIDE EQUIPMENT I.D. LABELS LOCATED ON FRONT LEADING EDGE OF HOOD. 8. PROVIDE 3" ZERO CLEARANCE TO COMBUSTIBLE RIGHT SIDE SPACER. 9. PROVIDE TOP PLENUM CAPTURE JET FAN, SPEED CONTROLLER AND COLLAR. 10. PROVIDE COUNTER MOUNTED SIDE CAPTURE JET PLENUM ASSEMBLY AND FAN ON RIGHT SIDE OF HOOD. 11. PROVIDE FACTORY INSTALLED CAPTURE JET FAN IN PLENUM. 12. PROVIDE CAPTURE JET AIR INLET AND COLLAR AT FRONT OF CLOSURE PANEL. 13. PROVIDE PIN AND SLEEVE ELECTRICAL BOX (DOUBLE CONNECTION). SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. 14. PROVIDE PIN AND SLEEVE ELECTRICAL BOX (SINGLE CONNECTION). SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. 15. PROVIDE 3" ZERO CLEARANCE TO COMBUSTIBLE RIGHT SIDE SPACER. 16. PROVIDE NOTCHED LEFT END SIDE PANEL. 17. PROVIDE NOTCHED RIGHT END SIDE PANEL. 18. PROVIDE 3"x3" HORIZONTAL AND VERTICAL TRIM ANGLE FOR RIGHT SIDE OF HOOD TO FINISH OFF GAP AT WALL. 19. PROVIDE FULL LEFT END SIDE PANEL. 20. PROVIDE FULL RIGHT END SIDE PANEL. 21. PROVIDE HALTON KBD EQUALIZER. 22. CONTINUOUS CAPTURE INTERNAL LEFT END CUTOUT. 23. CONTINUOUS CAPTURE INTERNAL RIGHT END CUTOUT.										

KITCHEN HOOD SYSTEMS NOTES

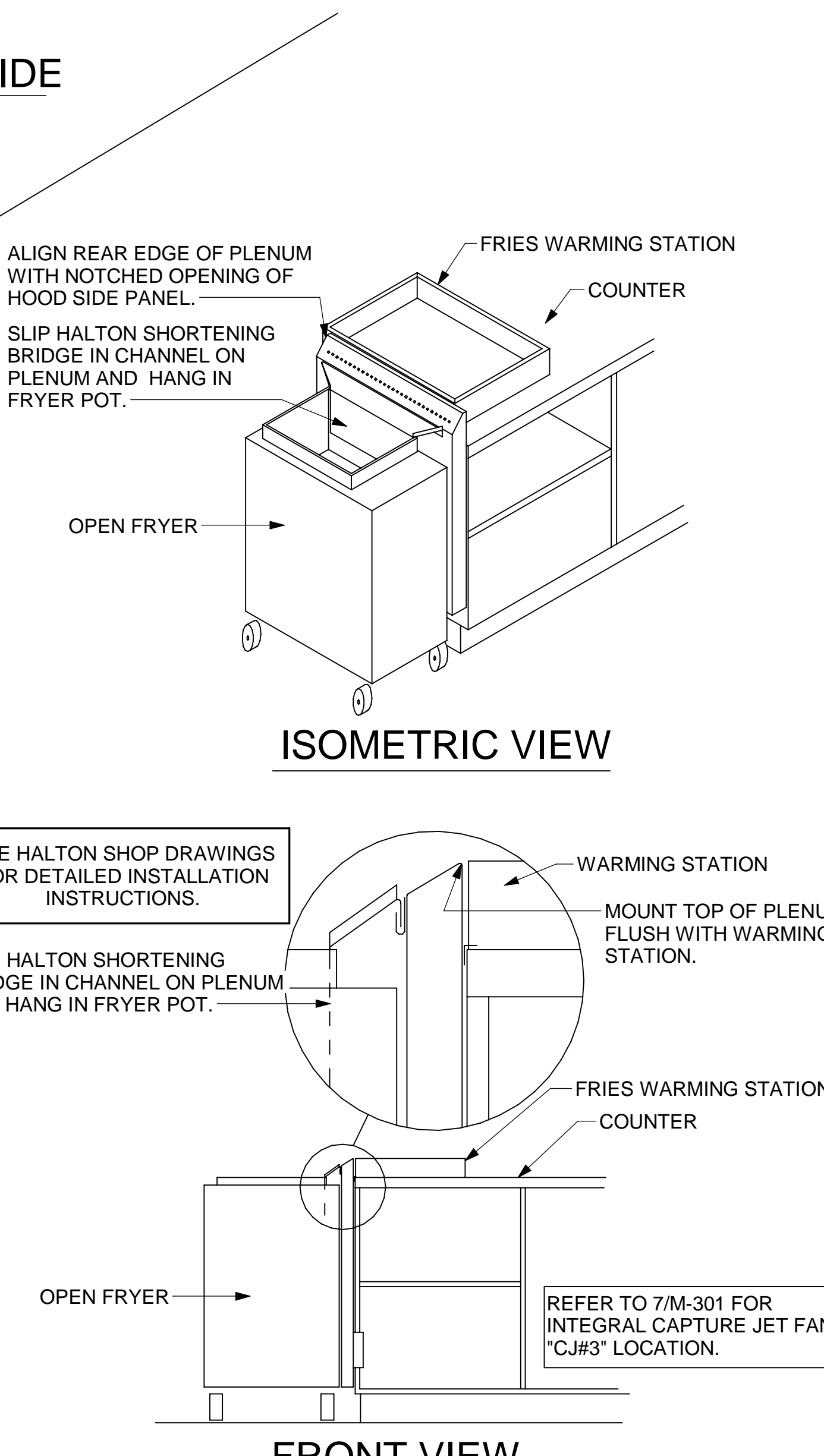
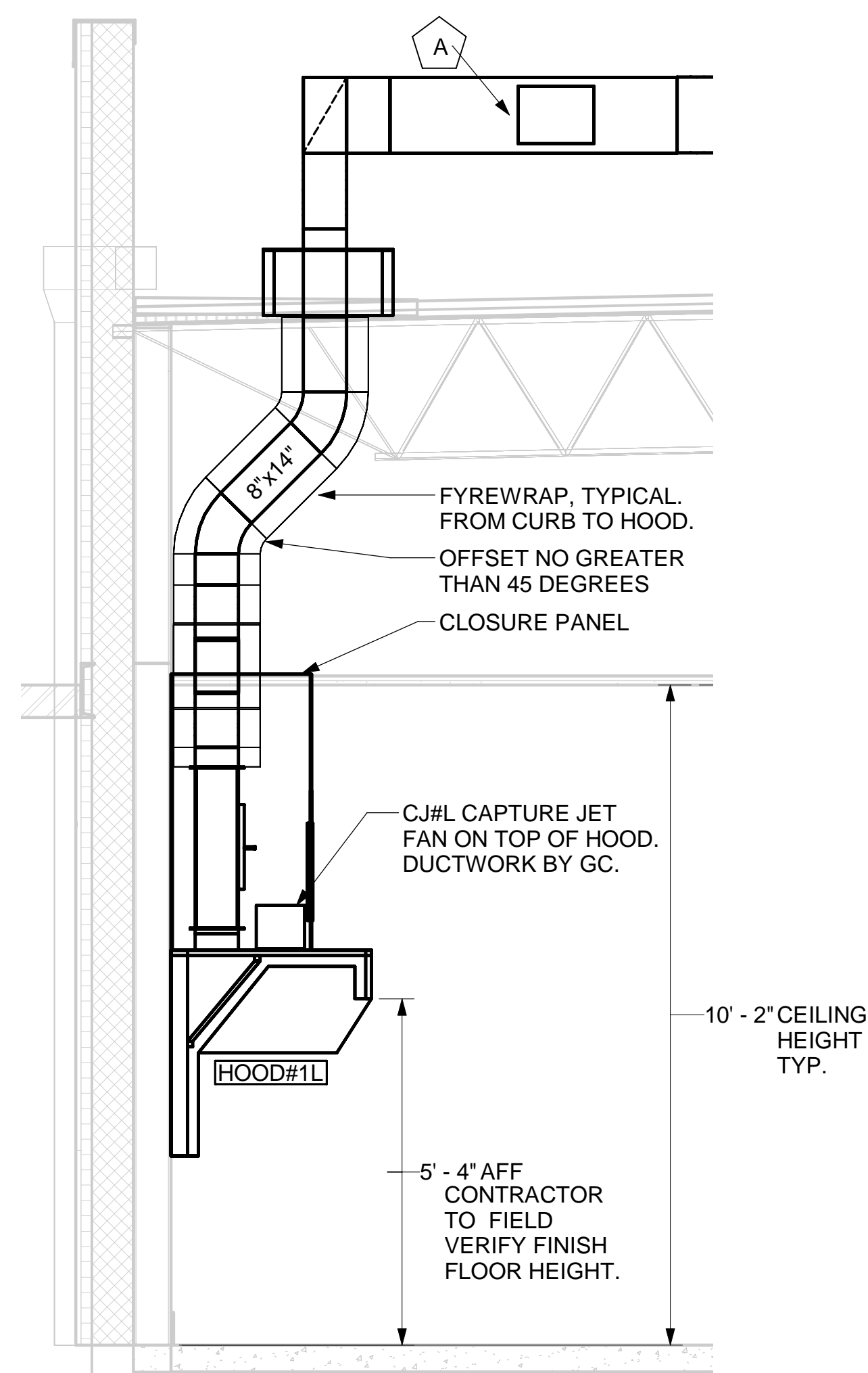
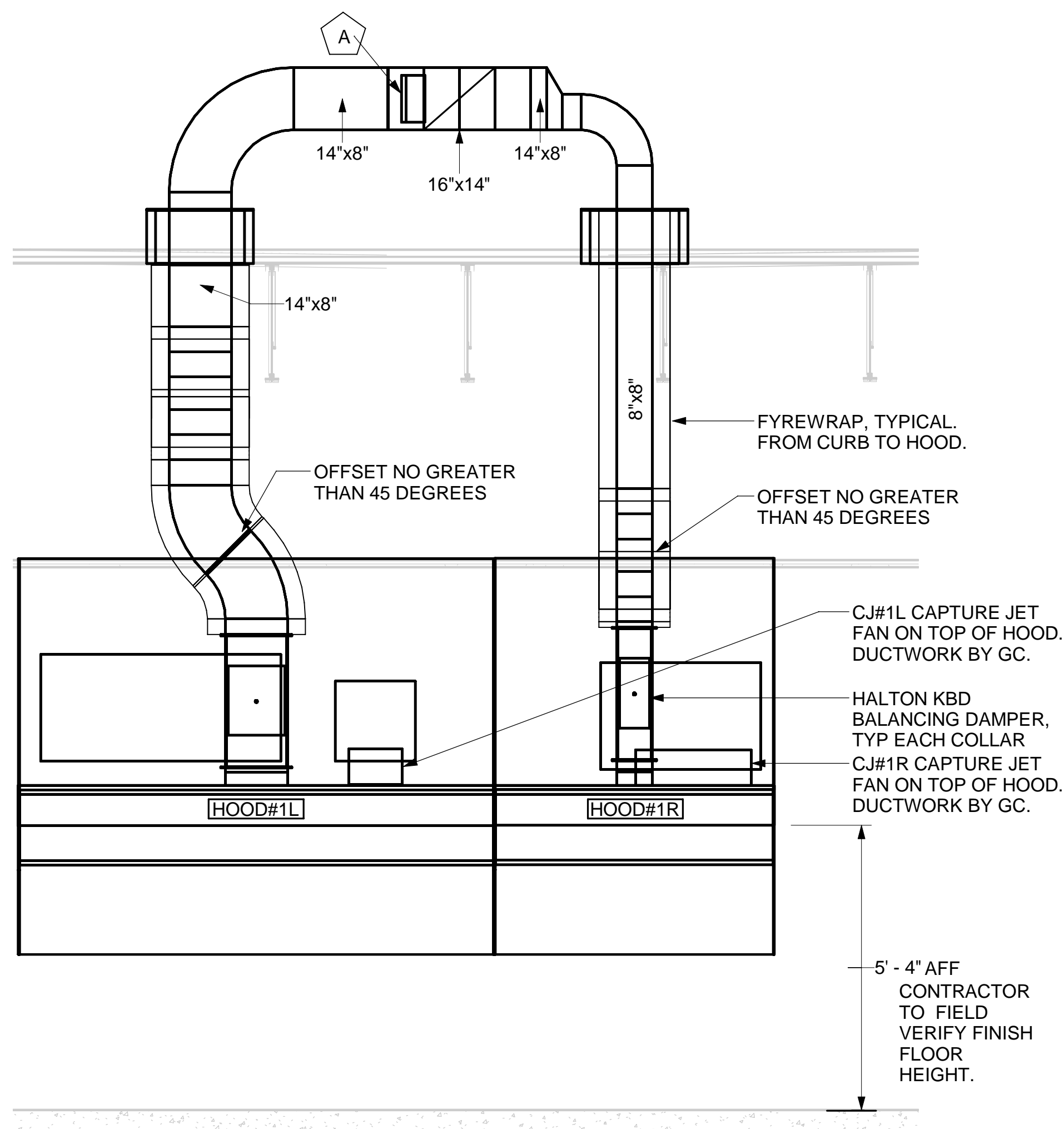
- CHICK-FIL-A MAINTAINS A NATIONAL ACCOUNT WITH HALTON CO. FOR THE HOODS. CHICK-FIL-A WILL PURCHASE AND PROVIDE THE HOODS FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING THE HOODS. CONTACT HALTON CO. AT 270-237-5600 FOR MORE INFO.
- THE FIRE SUPPRESSION SYSTEM SHALL CONSIST OF A COMPLETE WET CHEMICAL SYSTEM FURNISHED BY HALTON. THE HOOD SHALL BE FURNISHED PRE-PIPED BY HALTON.
- THE FIRE SUPPRESSION SYSTEM EXTERNAL TO THE HOODS SHALL BE INSTALLED IN ACCORDANCE WITH HOOD MANUFACTURER'S SHOP DRAWINGS BY AN AUTHORIZED INSTALLER SELECTED AND HIRED BY HALTON. COST FOR INSTALLATION INCLUDED IN PRICE OF HOODS TO CFA.
- HOOD EXHAUST DUCTWORK SHALL BE 16 GA. BLACK STEEL WITH CONTINUOUS LIQUID TIGHT WELD OF JOINTS & SEAMS.
- URNS IN GREASE EXHAUST DUCTWORK SHALL BE LONG RADIUS TYPE, WITH A CENTERLINE RADIUS R=3W/2, UNLESS OTHERWISE NOTED. NO MITERED FITTINGS ALLOWED.
- ALL STAINLESS STEEL CLOSURE PANELS SHALL BE SUPPLIED BY HOOD MANUFACTURER AND INSTALLED BY THE MECHANICAL CONTRACTOR ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- SLOPE ALL GREASE EXHAUST DUCT BACK TO HOOD AT 1/4" PER FOOT OF RUN.
- WRAP NEW GREASE DUCT WITH UNIFRAX FyreWRAP. INSULATION ON ACCESS DOORS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS. UNIFRAX FyreWRAP PRODUCT USED SHALL MEET LOCAL CODE REQUIREMENTS.
- SUPPORT ALL HOODS WITH THREADED ROD AT EACH FACTORY SUPPORT POINT. EACH SUPPORT POINT MUST SUPPORT THE HOOD WEIGHT EQUALLY. ATTACH TO STRUCTURE AS DETAILED ON STRUCTURAL DRAWINGS. ATTACH HOOD TO WALL AT 16" INTERVALS ALONG FULL LENGTH OF HOOD ON TOP AND BOTTOM. ATTACHMENT TO WALL REQUIRES FIELD DRILLING OF SUPPORT ANGLE AT BACK OF HOODS. EACH WALL ATTACHMENT POINT MUST OCCUR AT A WALL STUD. ATTACHMENT HARDWARE TO BE #12-24 HEX HEAD SHEET METAL SCREW EQUAL TO TEXTRON SDS EDT265, LENGTH AS REQUIRED TO FULLY PENETRATE THE STUD.



7 HOOD ELEVATION - HOOD#3 NOT TO SCALE

6 HOOD ELEVATION - HOOD#2 - FRONT NOT TO SCALE

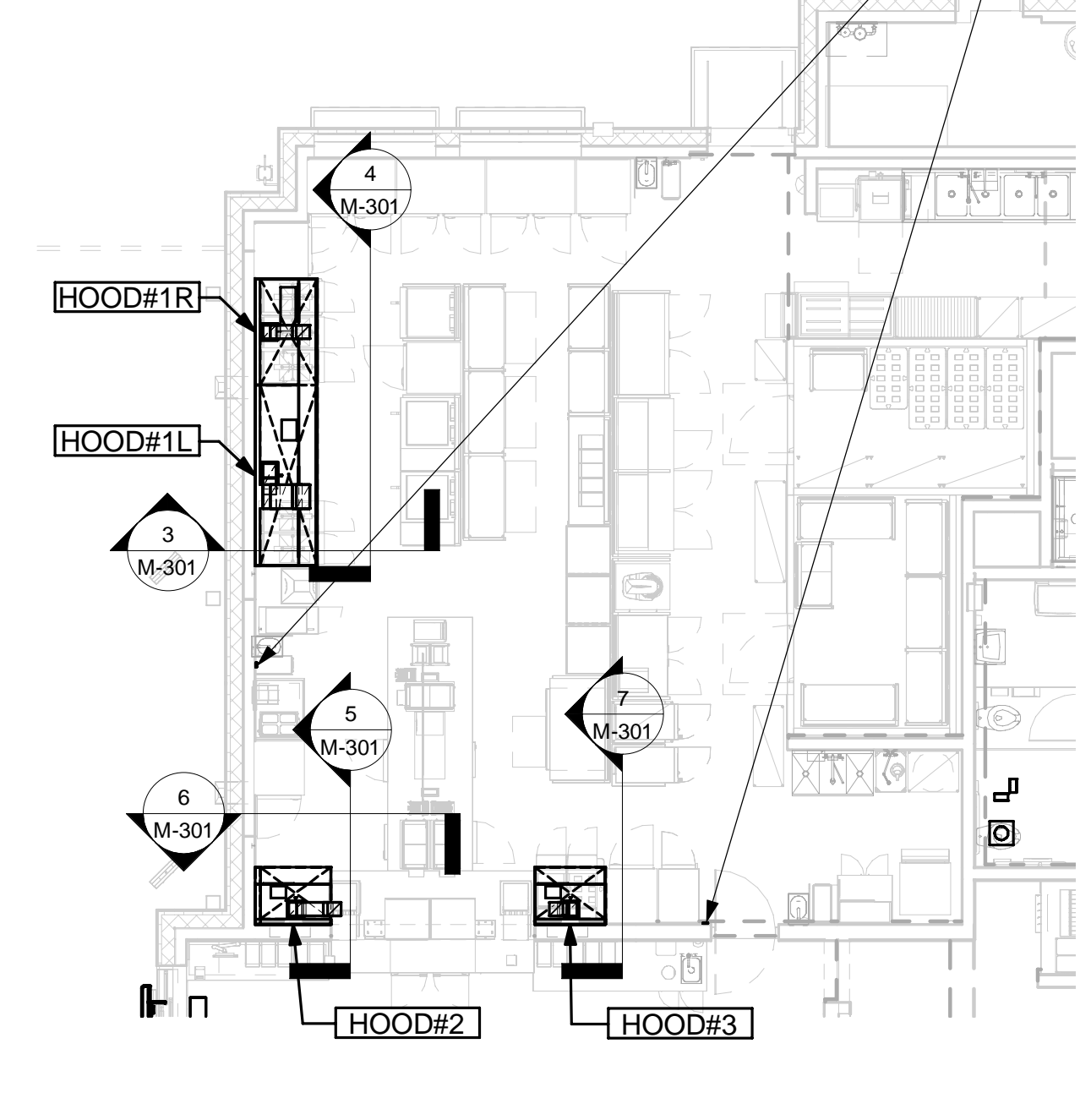
5 HOOD ELEVATION - HOOD#2 - SIDE NOT TO SCALE



NOTE: SEE ARCHITECTURAL PLANS FOR HOOD LOCATIONS.

PULL STATION SERVING BOTH HOOD#2 AND HOOD#3 ADJACENT TO KITCHEN ENTRY DOOR. LOCATE PULL STATION BETWEEN 42" AND 48" AFF. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT ELEVATIONS. J-BOX AND CONDUIT ARE BY ELECTRICAL. PROVIDE RED BAKELITE LABEL WITH 1/4" HIGH WHITE LETTERS INDICATING THE HOODS SERVED, I.E.: "PASS THRU HOODS".

PULL STATION SERVING HOOD#1 ADJACENT TO HANDSINK. LOCATE PULL STATION BETWEEN 42" AND 48" AFF. COORDINATE EXACT LOCATION WITH KITCHEN EQUIPMENT ELEVATIONS. J-BOX AND CONDUIT ARE BY ELECTRICAL. PROVIDE RED BAKELITE LABEL WITH 1/4" HIGH WHITE LETTERS INDICATING THE HOODS SERVED, I.E.: "MAIN COOKLINE HOOD".



4 HOOD ELEVATION - HOOD#1 - FRONT NONE

3 HOOD ELEVATION - HOOD#1 - SIDE NOT TO SCALE

2 HALTON SIDE CAPTURE JET PLENUM - STANDARD NOT TO SCALE

1 HOOD LAYOUT 1/8" = 1'-0"



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 5200 Buffington Road
 Atlanta, Georgia
 30349-2998

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 FLORIDA COA #32861

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PRINCETON
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 Princeton, FL 33032

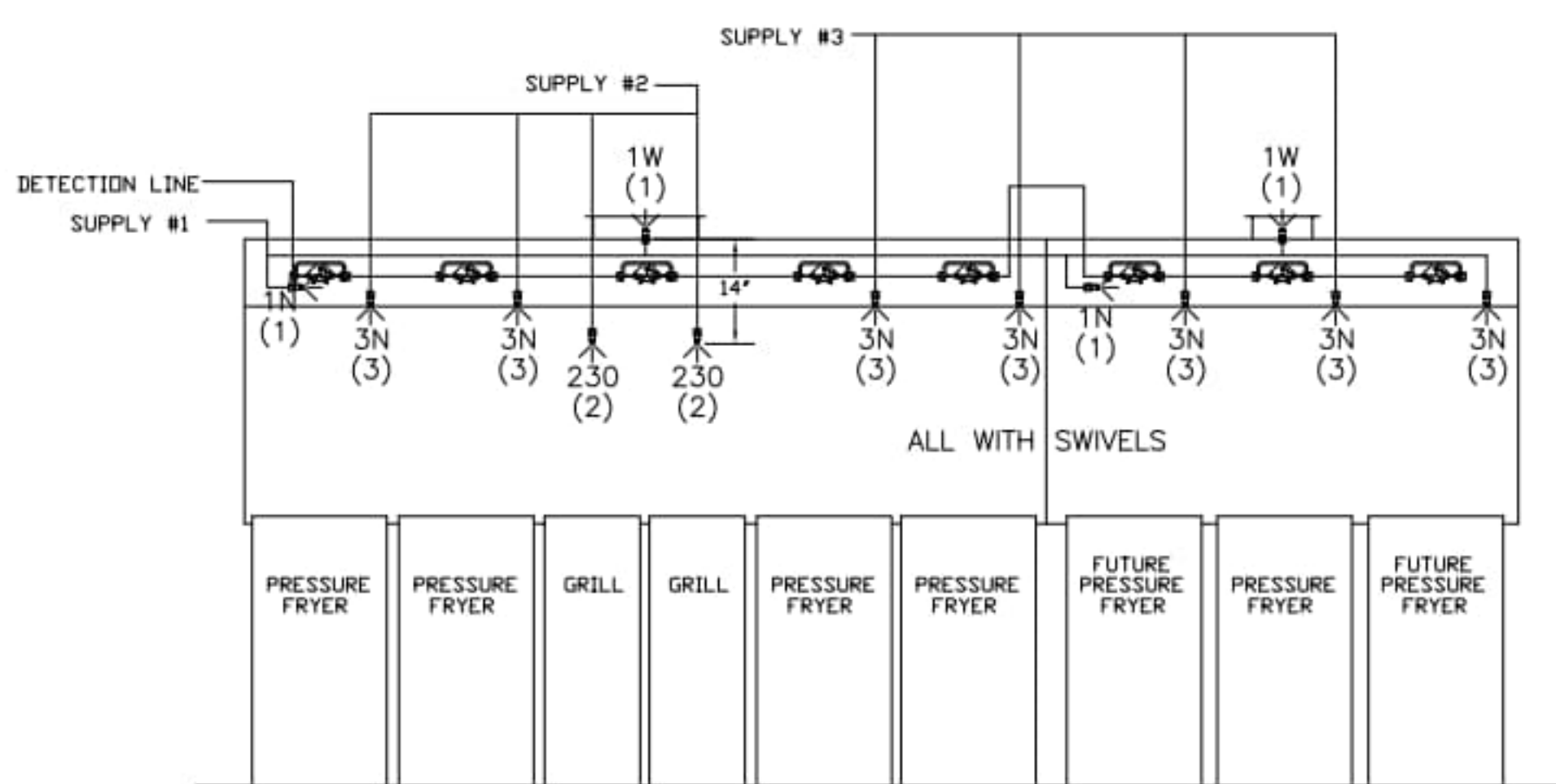
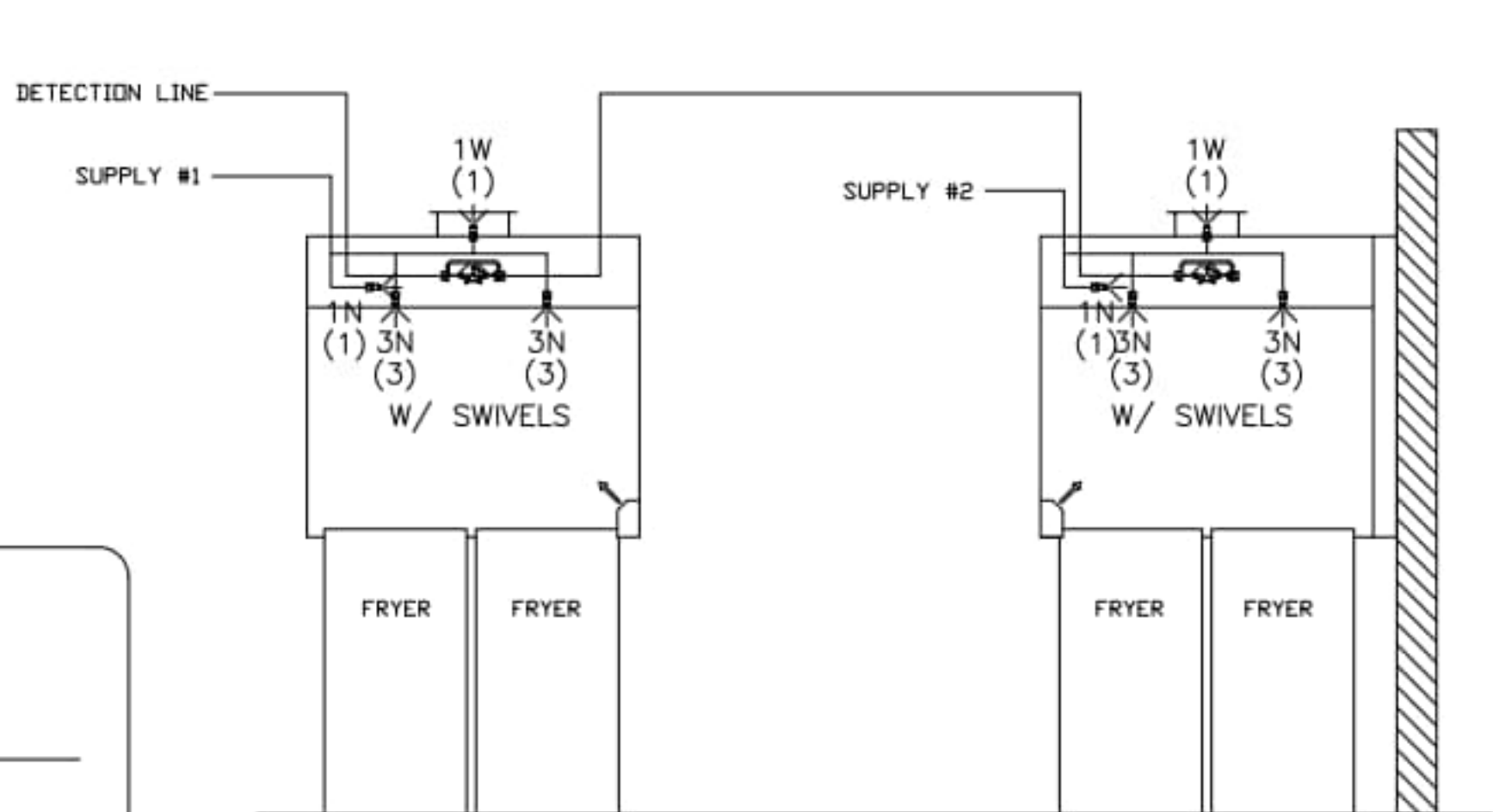
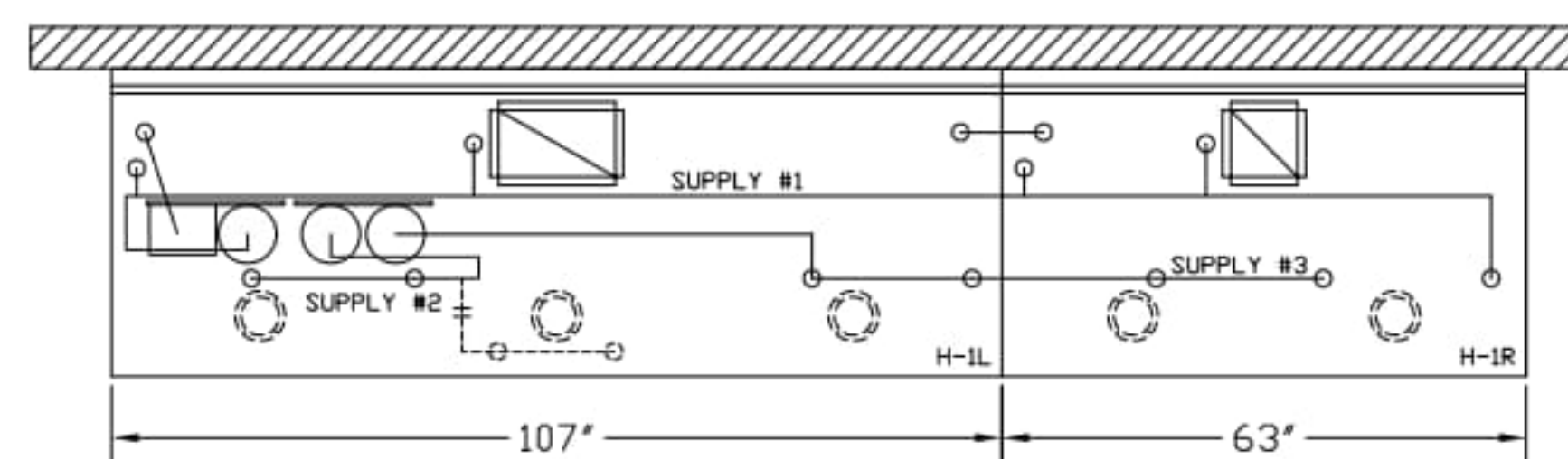
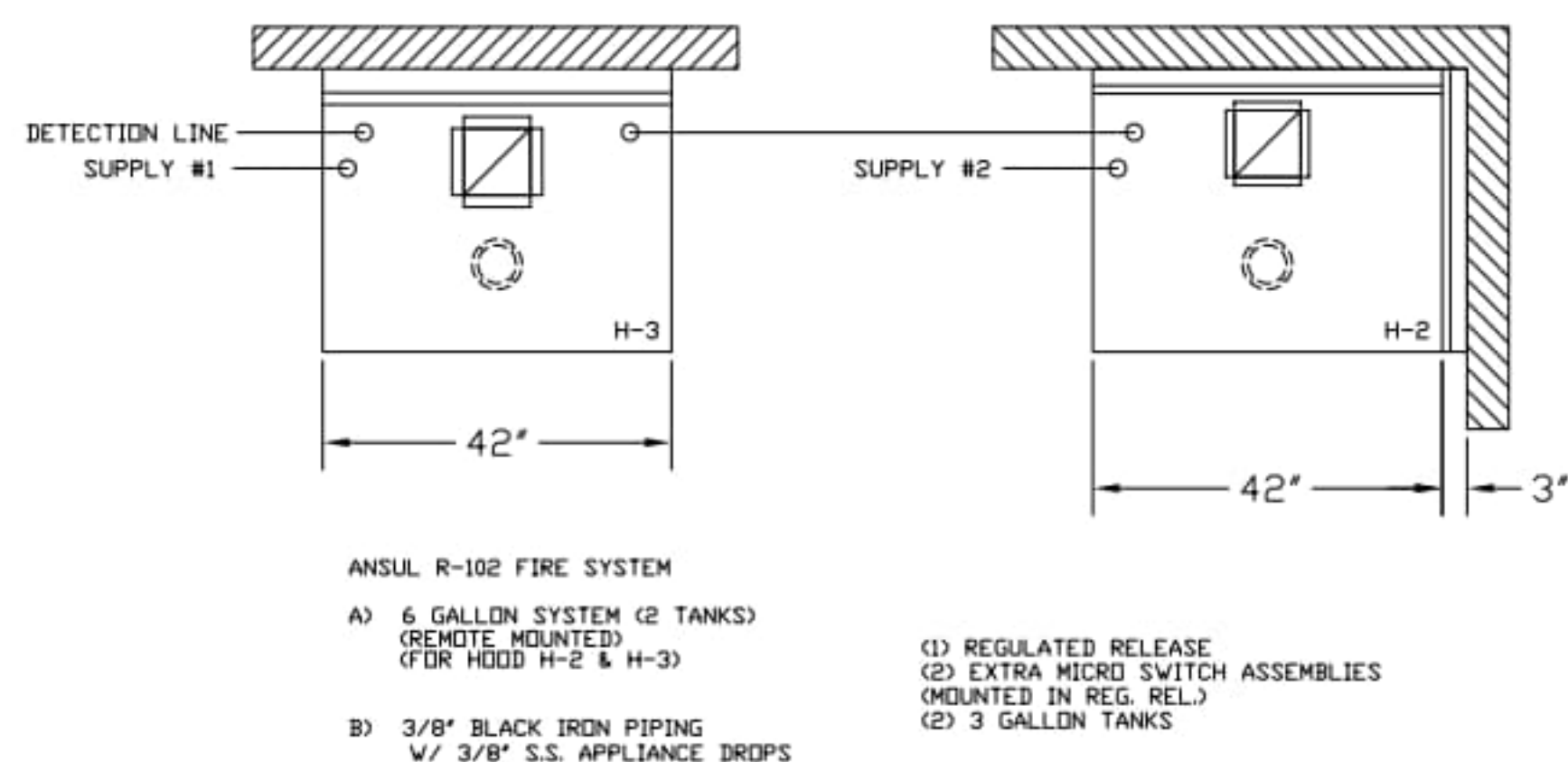
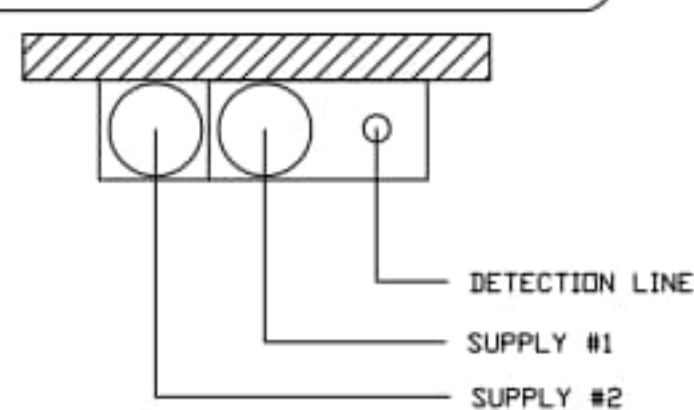
FSR#05224
 BUILDING TYPE / SIZE: P14 SE LRG
 RELEASE: 22-08
 PRINTED FOR IFC SET
 REVISION SCHEDULE
 NO. DATE DESCRIPTION
 08.07.2023 IFC SET

CONSULTANT PROJECT # 22-TX181-01
 DATE 12/09/2022
 DRAWN BY GP
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HOOD DETAILS AND SCHEDULES
 SHEET NUMBER
M-301

NOTE:

FIRE SYSTEM TYPE TO BE DETERMINED AT TIME OF ORDER RELEASE.

****PROTECTS HOODS H-2 & H-3****
 REMOTE MOUNTED:
 (1) REGULATED RELEASE (WITH ONE TANK)
 (1) SINGLE TANK ENCLOSURE (WITH ONE TANK)



FUSIBLE LINK RATINGS

ITEM	TEMP
OPEN FRYERS	450°
2 BURNER / FLAT TOP	450°
PRESSURE FRYERS	450°
GRILL	450°
EXHAUST COLLARS	450°

ANSUL R-102 FIRE SYSTEM NOTES
 THREE TANK SYSTEM MOUNTED ON TOP OF (H-1L)
 MAXIMUM FLOW POINTS = 33

ANSUL R-102 FIRE SYSTEM NOTES
 TWO TANK SYSTEM REMOTE MOUNTED
 MAXIMUM FLOW POINTS = 22

ITEM #	QTY	DESCRIPTION	FLOW PTS (TOTAL)
1W	4	DUCT NOZZLES	4
1N	4	PLENUM NOZZLES	4
230	2	APPLIANCE NOZZLES	4
3N	11	APPLIANCE NOZZLES	33
TOTAL FLOW POINTS - 45			

ITEM #	QTY	DESCRIPTION
#200	8	SERIES DETECTORS W/ FUSIBLE LINKS
#201	2	TERMINAL DETECTOR W/ FUSIBLE LINKS
#202	1	DEM REGULATED RELEASE W/ DOUBLE POLE MICRO SWITCH
#202	1	REGULATED RELEASE W/ DOUBLE POLE MICRO SWITCH
#203	5	3 GALLON TANKS
#204	1	SINGLE TANK ENCLOSURE
#205	2	REMOTE PULL STATION

ANSUL R-102 FIRE SYSTEM
 UL LISTED PER STD LATEST STD 300

- FINAL INSTALLATION IS TO BE MADE IN ACCORDANCE WITH ALL APPLICABLE CODES
- ALL ELECTRICAL COMPONENTS FOR EQUIPMENT SHUT DOWN TO BE PROVIDED BY THE ELECTRICIAN. MICRO-SWITCH INSTALLED IN REGULATED RELEASE BY ANSUL INSTALLER
- REMOTE PULL STATION LOCATED PER MECHANICAL DRAWINGS

FIRE EXTINGUISHER

ISO VIEW W/BACKET

5 LBS. ABC MODEL B402 QTY: _____

10 LBS. ABC MODEL B456 QTY: _____

6 LTR CLASS K MODEL C-260 QTY: _____

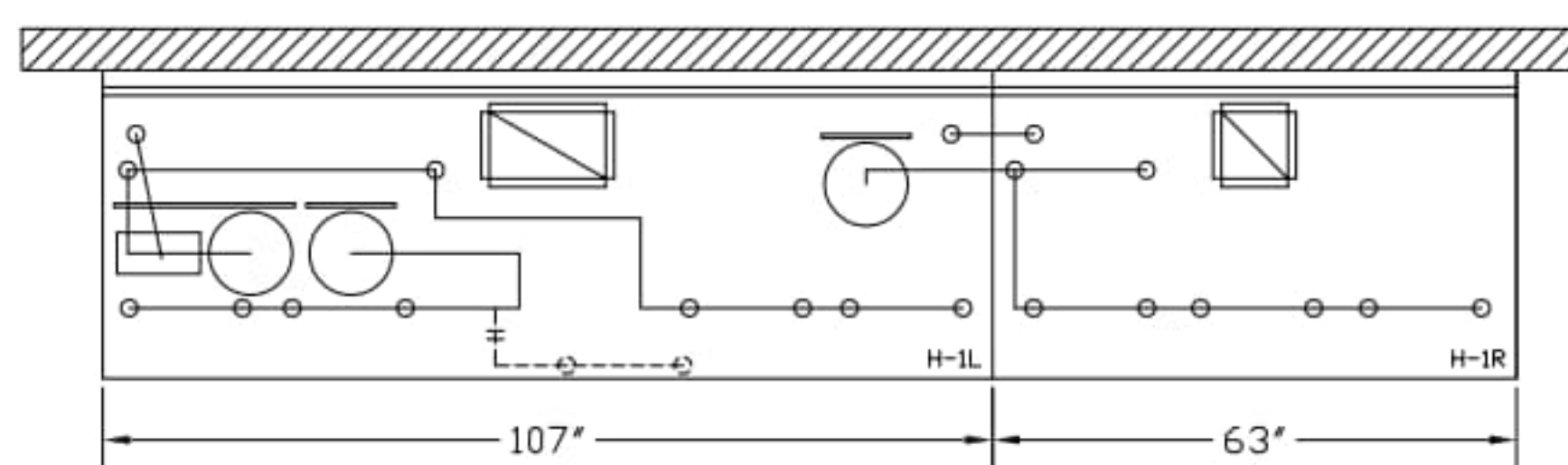
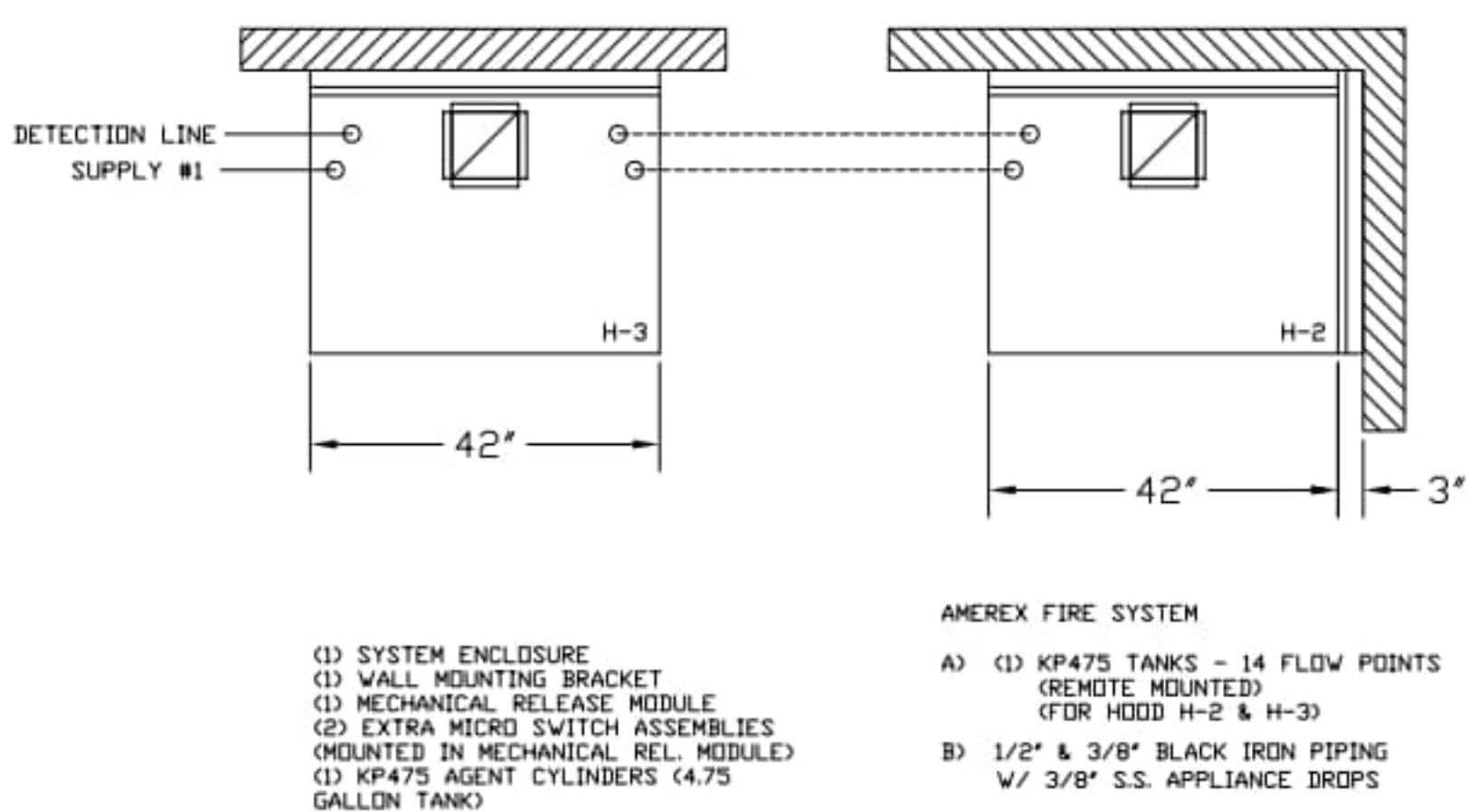
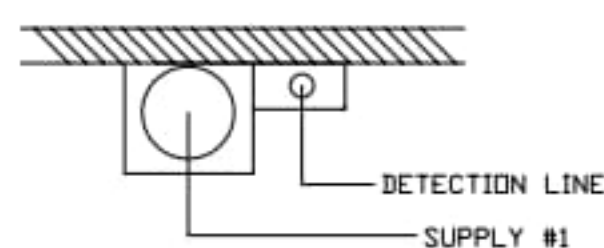
SUPPLIED BY HALTON

ANSUL R-102 FIRE SYSTEM LAYOUT

ANSUL R-102 FIRE SYSTEM LAYOUT

1/2" BLACK IRON SUPPLY LINE REQ'D FROM TANK TO FIRST BRANCH LINE FOR 475 TANKS ONLY!

****PROTECTS HOODS H-2 & H-3****
 REMOTE MOUNTED:
 (1) SYSTEM ENCLOSURE
 (1) WALL MOUNTING BRACKET
 (1) MECHANICAL RELEASE MODULE
 (1) KP475 AGENT CYLINDER (4.75 GALLON TANK)



FUSIBLE LINK RATINGS

ITEM	TEMP
OPEN FRYERS	450°
2 BURNER / FLAT TOP	450°
PRESSURE FRYERS	450°
GRILL	450°
EXHAUST COLLARS	450°

AMEREX FIRE SYSTEM NOTES
 (1) KP375 & (2) KP475 TANK SYSTEM MOUNTED ON TOP OF (H-1L)
 MAXIMUM FLOW POINTS = 39

AMEREX FIRE SYSTEM NOTES
 KP475 TANK SYSTEM REMOTE MOUNTED
 (1) TANK
 MAXIMUM FLOW POINTS = 14

ITEM #	QTY	DESCRIPTION	FLOW PTS (TOTAL)
16416	4	DUCT NOZZLES	4
11982	4	PLENUM NOZZLES	4
11982	8	APPLIANCE NOZZLES	8
14178	2	APPLIANCE NOZZLES	4
13729	14	APPLIANCE NOZZLES	28
TOTAL FLOW POINTS - 48			

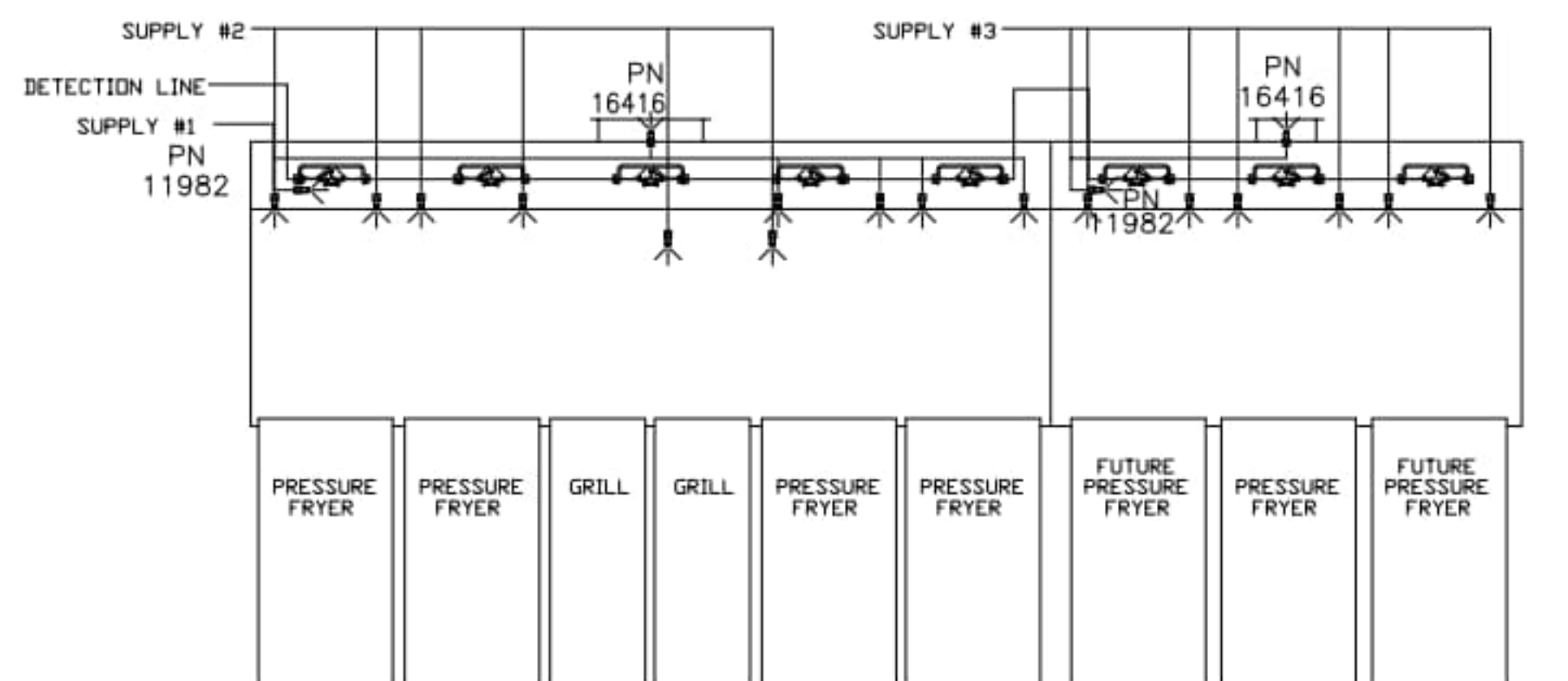
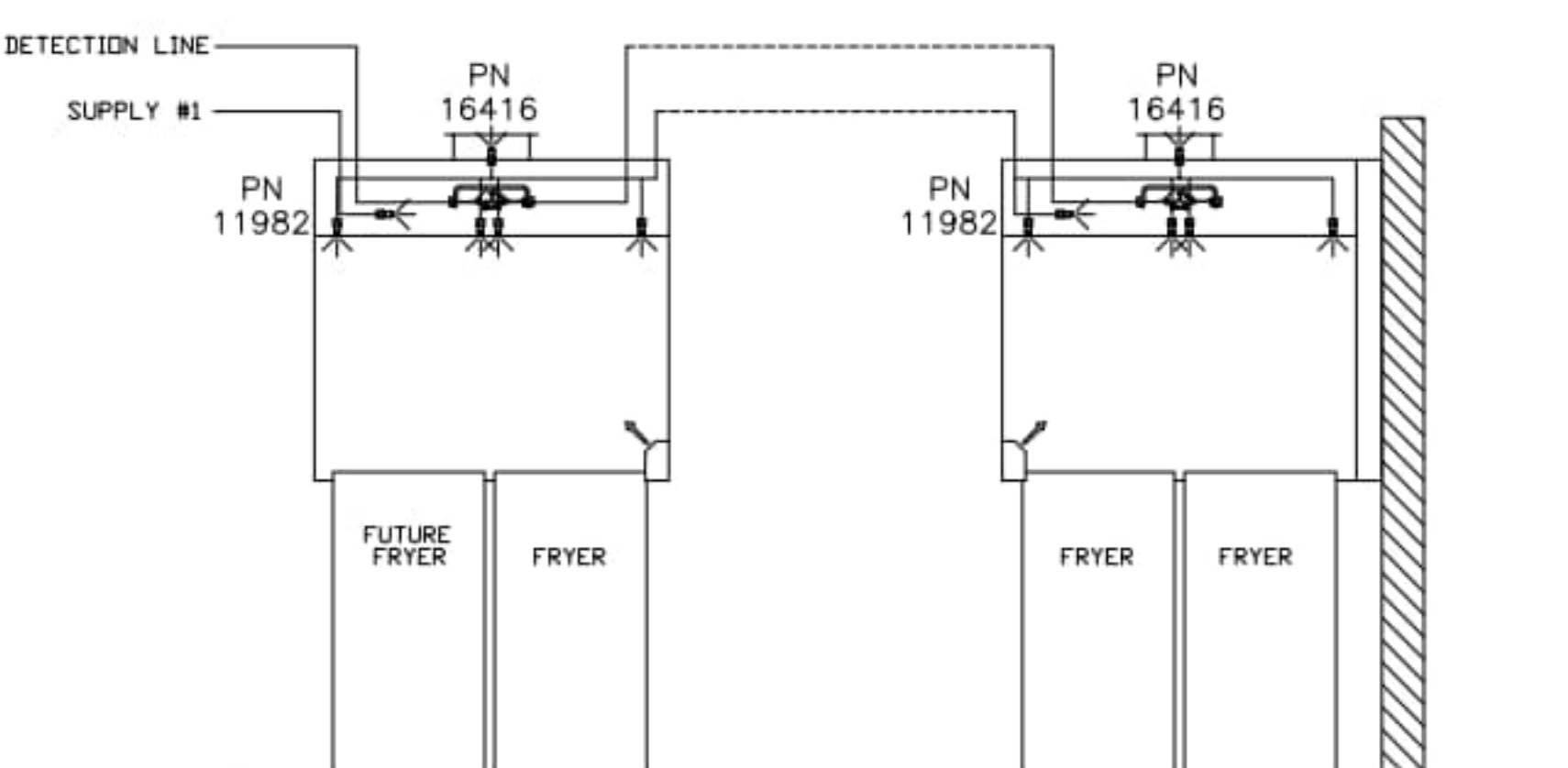
ITEM #	QTY	DESCRIPTION
12508-P001	10	DETECTOR BRACKET ASSEMBLY
13334	1	KP375 AGENT CYLINDER
17379	3	KP475 AGENT CYLINDER
18001	1	MECHANICAL RELEASE MODULE W/ DOUBLE POLE MICRO SWITCH
25851	1	SYSTEM ENCLOSURE W/ DOUBLE POLE MICRO SWITCH
16920	1	WALL MOUNTING BRACKET
21481	3	REMOTE MANUAL PULL STATION

AMEREX FIRE SYSTEM
 TESTED & LISTED BY UNDERWRITERS LABORATORIES, INC. TO UL STANDARD 300.

- FINAL INSTALLATION IS TO BE MADE IN ACCORDANCE WITH ALL APPLICABLE CODES
- ALL ELECTRICAL COMPONENTS FOR EQUIPMENT SHUT DOWN TO BE PROVIDED BY THE ELECTRICIAN. MICRO-SWITCH INSTALLED IN REGULATED RELEASE BY AMEREX INSTALLER
- REMOTE PULL STATION LOCATED PER MECHANICAL DRAWINGS

ALL APPLIANCE NOZZLES FOR H-2 & H-3 ARE PN 11982 NOZZLES W/ SWIVELS.

ALL APPLIANCE NOZZLES FOR PRESSURE FRYERS ARE PN 13729 NOZZLES W/ SWIVELS. ALL GRILL NOZZLES ARE 14178 NOZZLES W/ SWIVELS.



AMEREX

ANSUL

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:

- ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS
- THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE TO APPROVER:
 ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR. A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

APPROVED FOR FABRICATION: WITH NO CHANGES WITH CHANGES AS NOTED

DATE: _____

UL LISTED

UL LISTED

UL LISTED

UL LISTED

REV.	DATE	DESCRIPTION
1		
2		
3		
4		
5		
6		
7		

WEBSITE: WWW.HALTON.COM

HALTON CO. (USA)
 101 INDUSTRIAL DRIVE
 SCOTTSDALE, KY 42164
 1-270-237-9600

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:

HALTON CO. (CANADA)
 1021 BREVIK PLACE 3R7
 MISSISSAUGA, ON L4W 1-905-624-0301

PROJECT: CHICK-FIL-A P14
 LS/LE/SE/DTO/DTN BUILDING

LOCATION: ---

DRAWN BY: CG DATE: 08.09.22

SCALE: NTS

Halton Dwg: U22-606-02FS

Halton
 CARE FOR INDOOR AIR

Sheet MH-1.2