

## HOOD INFORMATION

| HOOD NO. | TAG | MODEL             | LENGTH   | MAX. COOKING TEMP. | TOTAL EXH. CFM | EXHAUST PLENUM RISER(S) |       |        |      |      |         | MUA CFM | AC CFM | HOOD CONSTRUCTION    | HOOD CONFIG. |       |
|----------|-----|-------------------|----------|--------------------|----------------|-------------------------|-------|--------|------|------|---------|---------|--------|----------------------|--------------|-------|
|          |     |                   |          |                    |                | WIDTH                   | LENG. | HEIGHT | DIA. | CFM  | S.P.    |         |        |                      | END TO END   | ROW   |
| 1        |     | 5424 ND-2-ACPSP-F | 9' 6.00" | 450 Deg.           | 2250           |                         |       | 4"     | 16"  | 2250 | -0.785" | 1800    | 448    | 430 SS Where Exposed | ALONE        | ALONE |

## HOOD INFORMATION

| HOOD NO. | TAG | TYPE                 | FILTER(S) |        | EFFICIENCY @ 1 MICRONS | QTY.                 | LIGHT(S) |                | WIRE GUARD | LOCATION | SIZE        | UTILITY CABINET(S) |      | FIRE SYSTEM PIPING | HOOD SYSTEM WGT |
|----------|-----|----------------------|-----------|--------|------------------------|----------------------|----------|----------------|------------|----------|-------------|--------------------|------|--------------------|-----------------|
|          |     |                      | QTY.      | HEIGHT |                        |                      | TYPE     | SIZE           |            |          |             | TYPE               | SIZE |                    |                 |
| 1        |     | Captrate Solo Filter | 7         | 20"    | 16"                    | 93% See Filter Spec. | 3        | L55 Series E26 | NO         | Right    | 12"x54"x24" | TYPE               | SIZE | YES                | 762 LBS         |

## HOOD OPTIONS

| HOOD NO. | TAG | OPTION                                                                                                |
|----------|-----|-------------------------------------------------------------------------------------------------------|
| 1        |     | FIELD WRAPPER 18.00" High Front, Left, Right<br>BACKSPLASH 80.00" High X 126.00" Long 430 SS Vertical |

## FIRE SYSTEM INFORMATION

| FIRE SYSTEM NO. | Tag | TYPE       | SIZE | FLOW POINTS | INSTALLATION       |                  |
|-----------------|-----|------------|------|-------------|--------------------|------------------|
|                 |     |            |      |             | SYSTEM             | LOCATION ON HOOD |
| 1               |     | Ansul R102 | 3.0  | 2           | Fire Cabinet Right | Right            |

## EXHAUST FAN INFORMATION

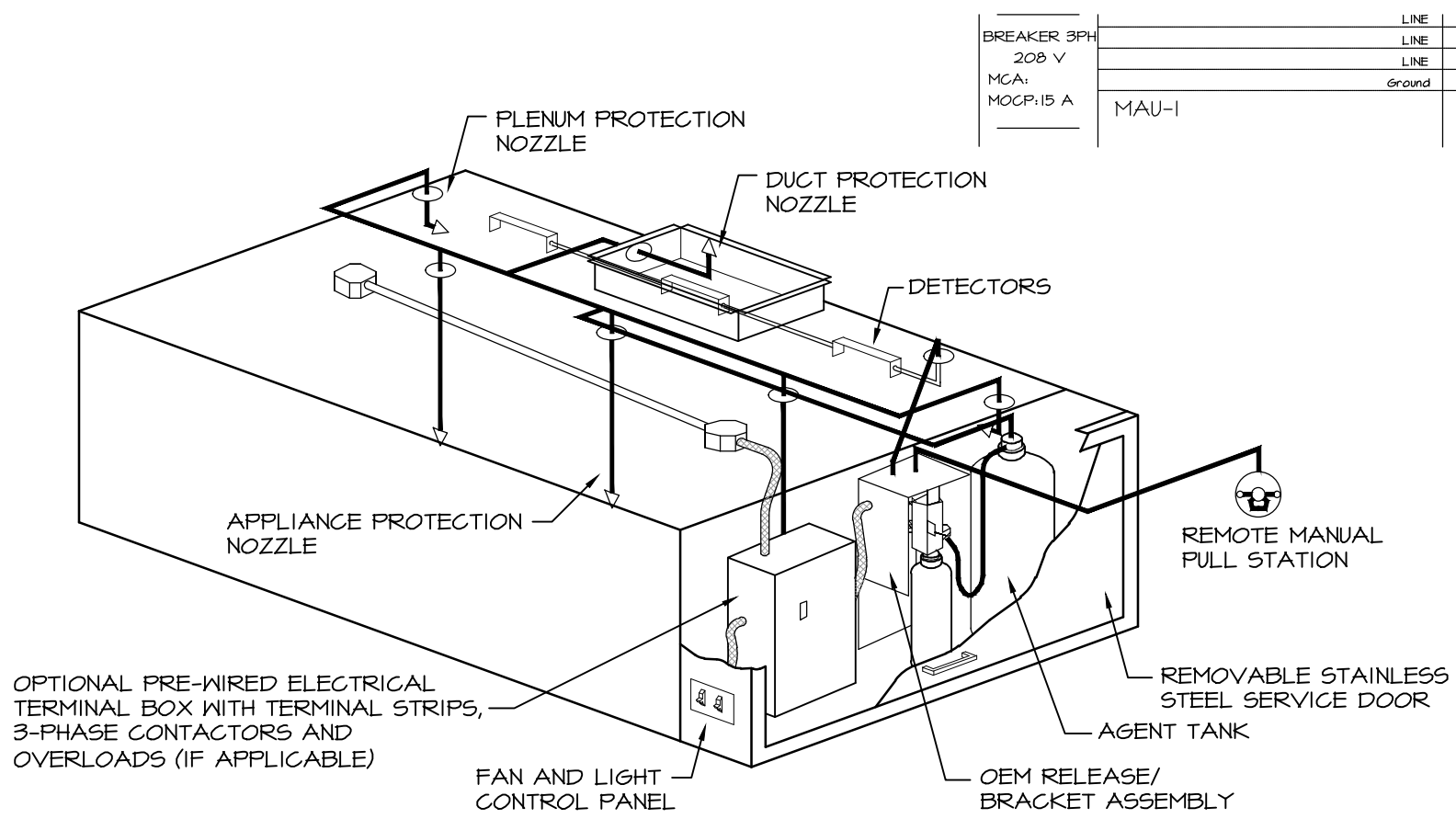
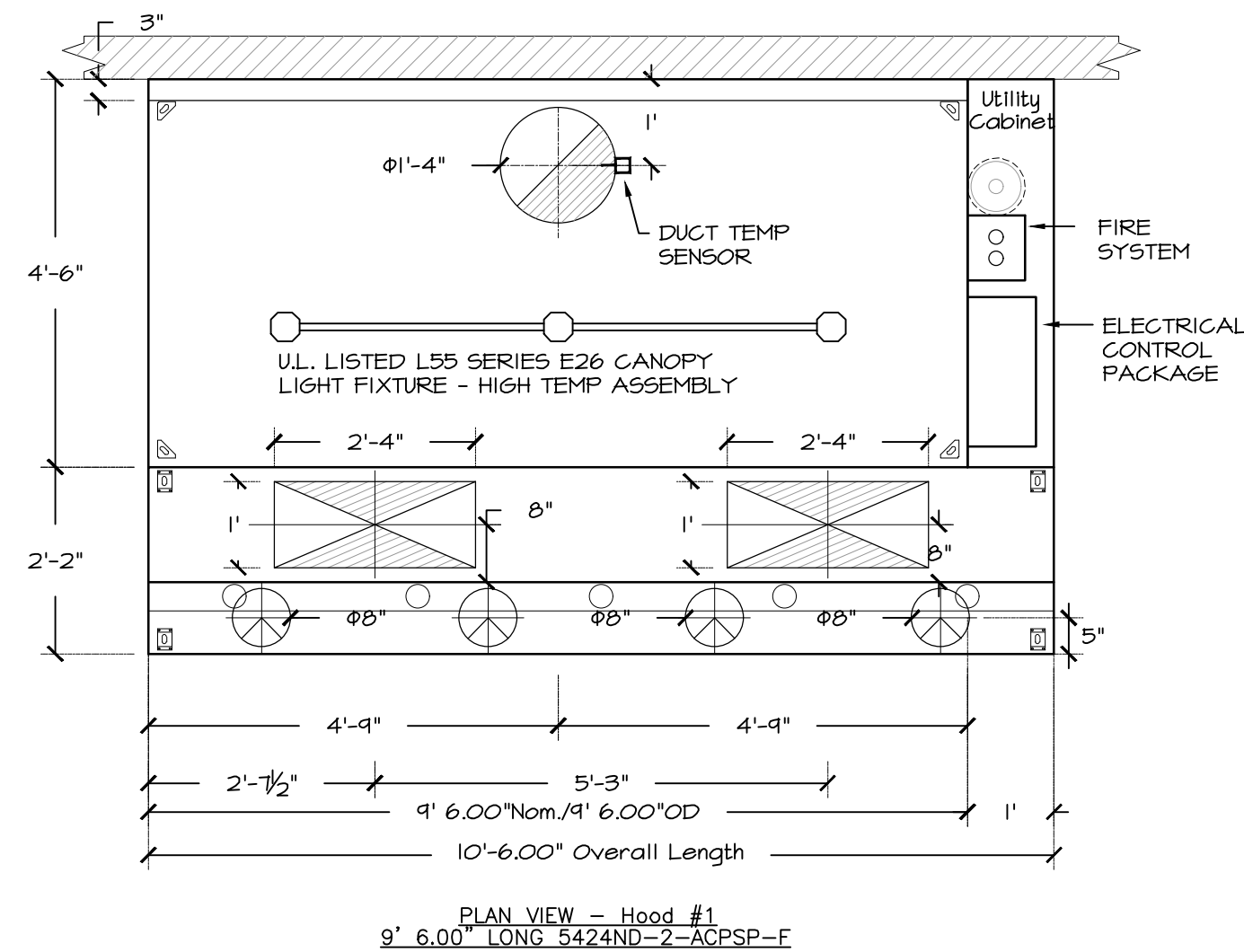
| FAN UNIT NO. | TAG | FAN UNIT MODEL # | CFM  | ESP.  | RPM  | H.P.  | B.H.P. | Ø | VOLT | FLA | WEIGHT (LBS.) | SONES |
|--------------|-----|------------------|------|-------|------|-------|--------|---|------|-----|---------------|-------|
| 1            |     | DUI80HFA         | 2250 | 1.150 | 1091 | 1.000 | 0.6660 | 3 | 208  | 3.8 | 112           | 12.9  |

## FAN OPTIONS

| FAN UNIT NO. | TAG | OPTION (Qty. - Descr.) |
|--------------|-----|------------------------|
| 1            |     | 1 - GREASE BOX         |

## CURB ASSEMBLIES

| NO. | ON #1 | WEIGHT | ITEM | SIZE                                                               |
|-----|-------|--------|------|--------------------------------------------------------------------|
| 1   |       | 41 LBS | Curb | 26.500" W x 26.500" L x 20.000" H 4.000"x2.000 Pitch Vented Hinged |



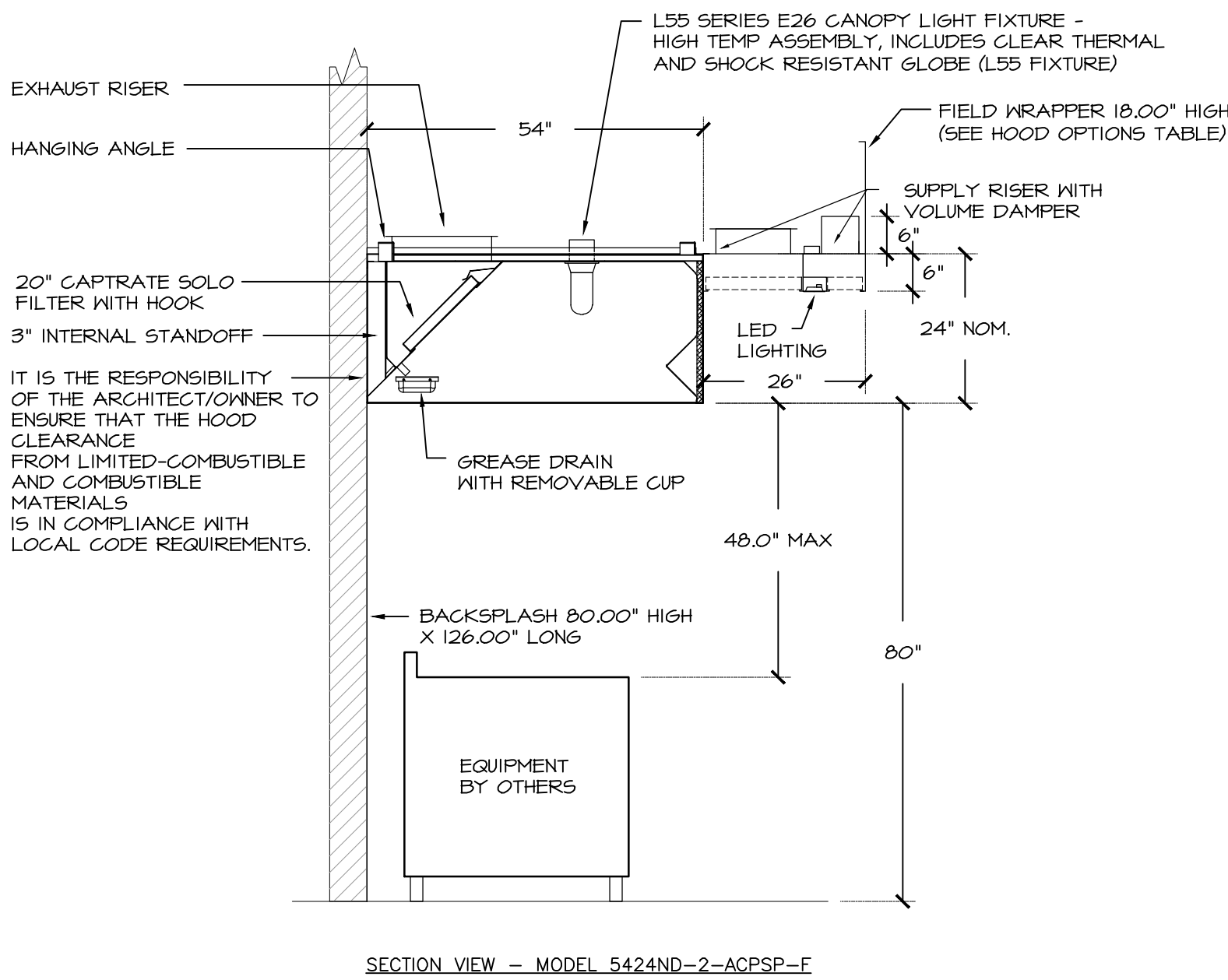
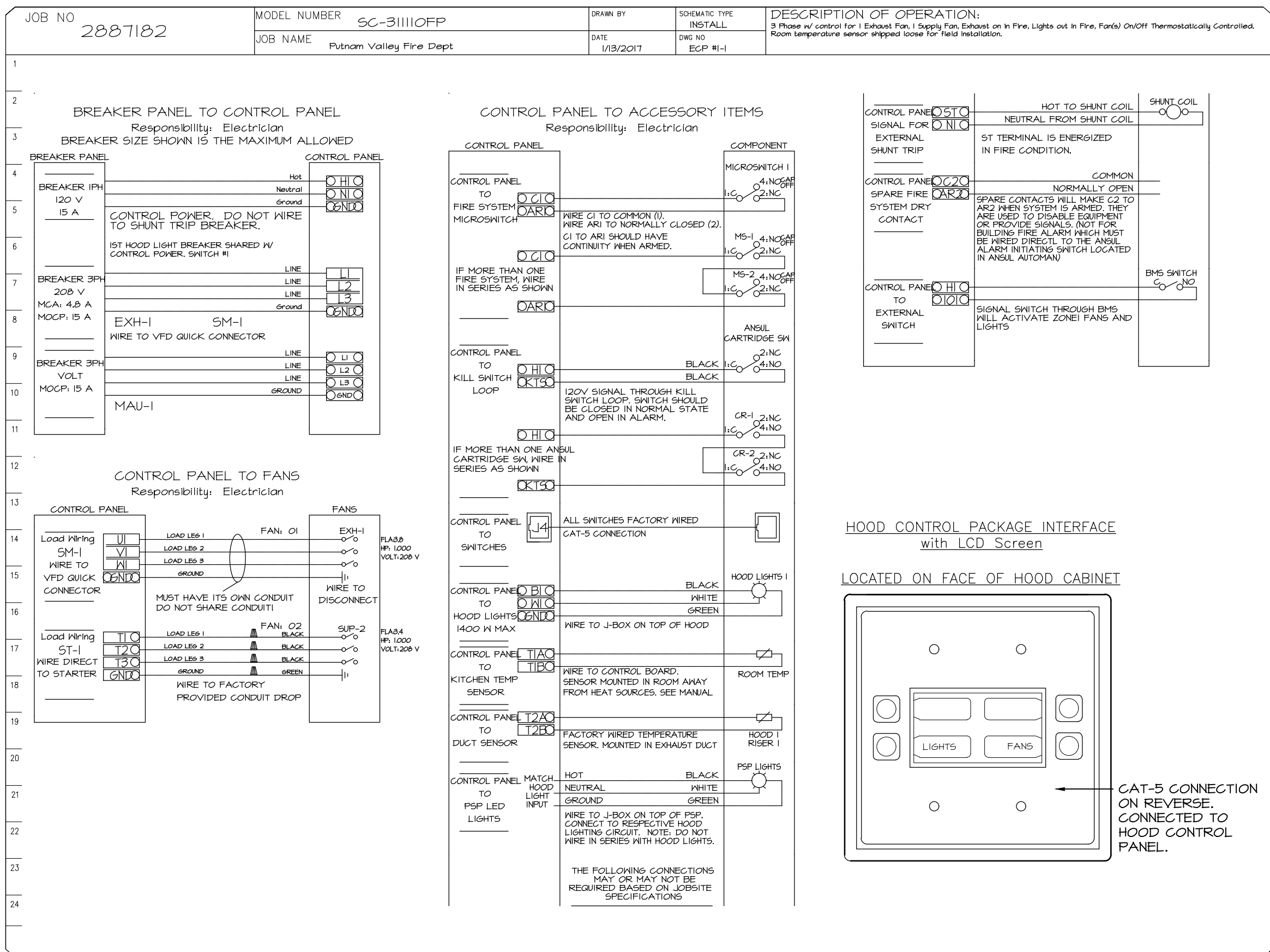
3 TYPICAL ANSUL R-102 SYSTEM LAYOUT  
M206 NOT TO SCALE

## PERFORATED SUPPLY PLENUM(S)

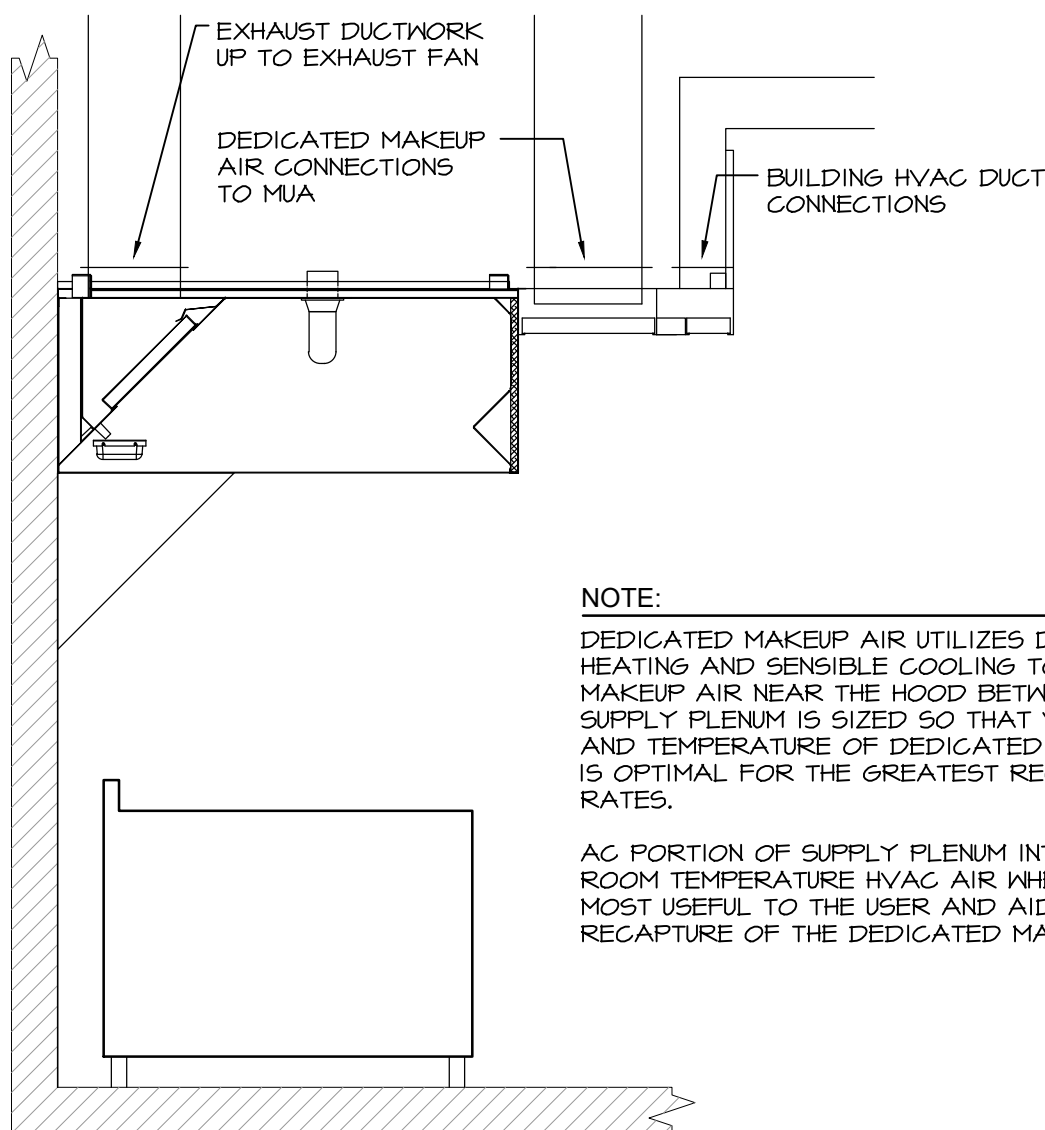
| HOOD NO. | TAG | POS.  | LENGTH | WIDTH | HEIGHT | TYPE | WIDTH | LENG. | DIA. | CFM | S.P.   |
|----------|-----|-------|--------|-------|--------|------|-------|-------|------|-----|--------|
| 1        |     | Front | 126"   | 26"   | 6"     | MUA  | 12"   | 28"   |      | 841 | 0.256" |
|          |     |       |        |       |        | MUA  | 12"   | 28"   |      | 841 | 0.256" |
|          |     |       |        |       |        | AC   |       |       | 8"   | 112 | 0.040" |
|          |     |       |        |       |        | AC   |       |       | 8"   | 112 | 0.040" |
|          |     |       |        |       |        | AC   |       |       | 8"   | 112 | 0.040" |
|          |     |       |        |       |        | AC   |       |       | 8"   | 112 | 0.040" |

## ELECTRICAL PACKAGES

| NO. | TAG | PACKAGE #  | LOCATION              | SWITCHES                              |                  | OPTION                              | FANS CONTROLLED |        |              |
|-----|-----|------------|-----------------------|---------------------------------------|------------------|-------------------------------------|-----------------|--------|--------------|
|     |     |            |                       | LOCATION                              | QUANTITY         |                                     | TYPE            | ? H.P. | VOLT FLA     |
| 1   |     | SC-31110FP | UTILITY CABINET RIGHT | 04 - UTILITY CABINET RIGHT<br>HOOD #1 | 1 LIGHT<br>1 FAN | SMART CONTROLS THERMOSTATIC CONTROL | Exhaust         | 3      | 1.00 208 3.8 |
|     |     |            |                       |                                       |                  |                                     | Supply          | 3      | 1.5 208 3.4  |

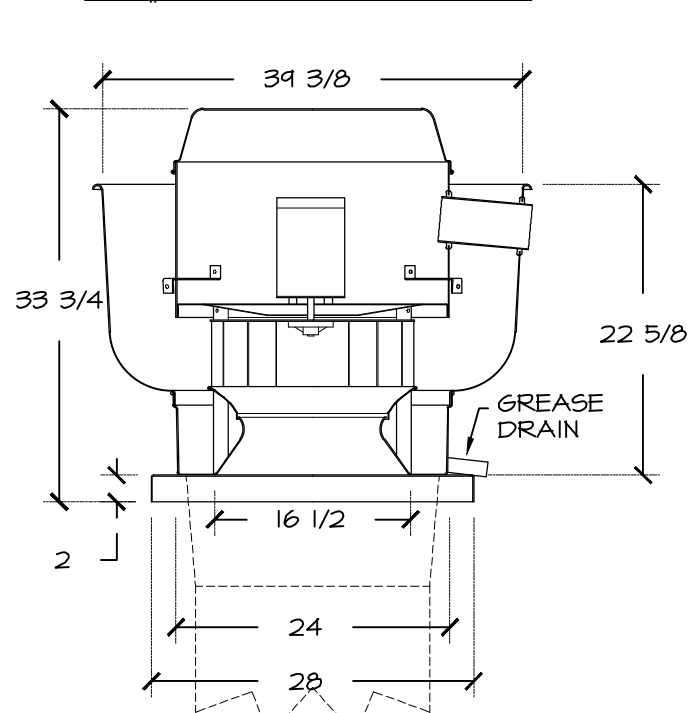


1 KITCHEN HOOD DETAIL  
M206 NOT TO SCALE



2 GENERAL DUCTWORK CONNECTION DETAIL  
M206 NOT TO SCALE

## FAN #1 DUI80HFA - EXHAUST FAN



4 EXHAUST FAN DETAIL  
M206 NOT TO SCALE

## FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- ULTOS AND ULT62
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

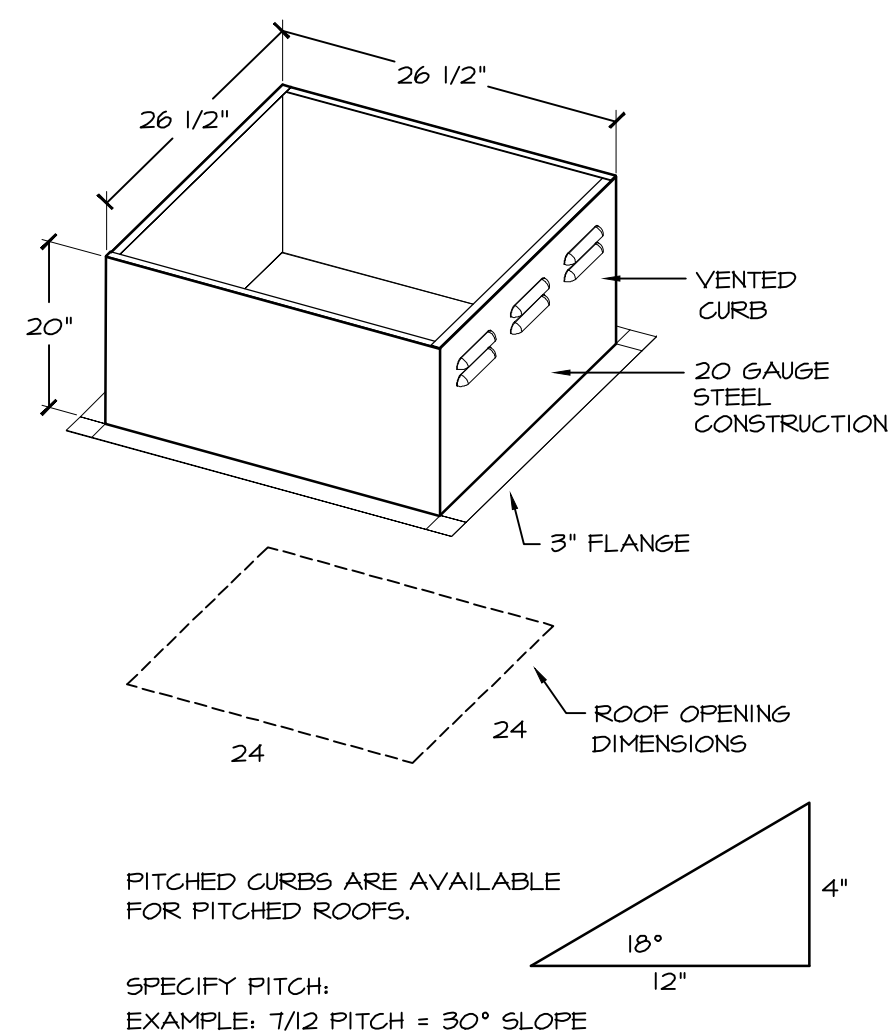
## NORMAL TEMPERATURE TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETEIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

## ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS  
GREASE BOX



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.  
SPECIFY PITCH.  
EXAMPLE: 7/12 PITCH = 30° SLOPE

MA

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## NEW STATION

FOR

PUTNAM VALLEY  
FIRE STATION #1

OSCAWANA LAKE ROAD  
PUTNAM VALLEY, NEW YORK

## REVISION HISTORY

| DATE | DESCRIPTION |
|------|-------------|
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |

MECHANICAL:  
DETAILS

SCALE: AS NOTED  
DWG. BY: KC  
DWG. DATE: 8/14/2020  
STATUS: BID DRAWINGS

M206