

1/2" DIA. ALL THREAD ROD CONNECTED TO ROOF JOIST THROUGH ANOTHER HANGING ANGLE



1/2" DIA. HEAVY DUTY NUT ONE ABOVE AND ONE BELOW HANGING ANGLE

*HOOD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-FINISHED AT FACTORY

ND-2 HANGING ANGLE DETAIL

| HOOD STYLE | DIM FROM REAR | DIM FROM FRONT (24"H) | DIM FROM FRONT (30"H) |
|-------------------------|---------------|-----------------------|-----------------------|
| CANOPY ND2 | 4.166" | 2.246" | 2.246" |
| ND2-PSP-F | 4.166" | 2.246" | 2.246" |
| BACKSHELF 2847BD | 2.00" | 14.25" | - |
| VHB/VHB-G | 36"x36" | 42"x42" | 48"x48" |
| FRONT/BACK DIMS BY SIZE | 2.246" | 2.246" | 2.246" |

HANGING ANGLE LOCATIONS

EXHAUST CFM=LENGTH OF HOOD X CFM/INLET (LOAD)
 SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED
 TOTAL DUCT AREA=144 X CFM
 DUCT LENGTH= TOTAL DUCT AREA / DUCT DEPTH

*CAPTIVE-AIR VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1500-1800 FPM AND A SUPPLY VELOCITY OF 1000 FPM.

CALCULATIONS UTILIZED

CAPTIVE-AIR HOODS ARE BUILT IN COMPLIANCE WITH:



Listed under ETL File number 3054804-001/002

BUILDING CODES

CAPTIVE-AIR HOODS HAVE OPTIONAL CLEARANCE REDUCTION SYSTEMS AVAILABLE AS FOLLOWS:

| MATERIAL | CLEARANCE REDUCTION SYSTEM |
|---------------------|----------------------------|
| NON-COMBUSTIBLE | NONE REQUIRED |
| LIMITED-COMBUSTIBLE | 3" UNINSULATED STANDOFF |
| COMBUSTIBLE | 1" INSULATED STANDOFF |

CLEARANCE TO COMBUSTIBLES

INSTALLATION

- ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
- ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS.
- HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON PLANS. ALL OTHER HANGER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
- ALL CONNECTIONS FROM CAPTIVE-AIR DUCT PER MECHANICAL CONTRACTORS'S PLANS.
- COOKING EQUIPMENT TO SHUTOFF IN EVENT OF FIRE.
- EXHAUST FANS TO TURN ON IN EVENT OF FIRE.
- ALL LIGHTS FIXTURES SHOWN INSTALLED BY CAPTIVE-AIR ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTORS.
- LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
- SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
- INSTALLING CONTRACTORS ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.

BALANCE

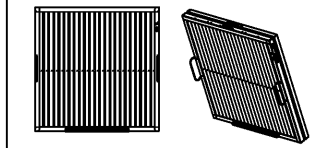
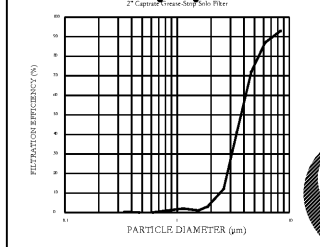
- KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.
- KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DRINK AREA.
- RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.

ADDITIONAL

- WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.
- SCHEMATIC AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE REVIEWED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

GENERAL NOTES

17" CaptiveAir Solo Filter



CaptiveAir Captrate Solo Filter
 ETL Listed Grease Extracting Filters
 Made From 430 Stainless Steel

FILTER DETAIL

HOOD INFORMATION - Job#3803505

| HOOD NO. | TAG | MODEL | LENGTH | MAX. COOKING TEMP. Deg. | EXHAUST PLENUM RISER(S) | | | | TOTAL EXH. CFM | HOOD CONSTRUCTION | HOOD CONFIG. | | SWITCHES | | | | |
|----------|------|-----------------|--------|-------------------------|-------------------------|-------|--------|------|----------------|-------------------|--------------|------|----------------------|------------|-------|----------|------------------|
| | | | | | WIDTH | LENG. | HEIGHT | DIA. | | | CFM | VEL. | S.P. | END TO END | ROW | QUANTITY | LOCATION |
| 1 | Main | 3642 BD-2-6-PLT | 6' 4" | 450 | 950 | | 4" | 10" | 950 | 1742 | -0.710" | 0 | 430 SS Where Exposed | LEFT | ALONE | | |
| 2 | Main | 3642 BD-2-6-PLT | 10' 2" | 450 | 1525 | | 4" | 14" | 1525 | 1427 | -0.714" | 0 | 430 SS Where Exposed | RIGHT | ALONE | | |
| 3 | Dish | 4224 VHB-G-ND | 4' 0" | 700 | 600 | | 4" | 10" | 600 | 1100 | -0.090" | 0 | 304 SS 100% | ALONE | ALONE | 1 FAN | FRONT RIGHT FACE |
| 4 | | 96 MISC-PSP | 6' 4" | 300 | 0 | | | | 760 | | | | 430 SS Where Exposed | ALONE | ALONE | | |
| 5 | | 96 MISC-PSP | 10' 2" | 300 | 0 | | | | 1220 | | | | 430 SS Where Exposed | ALONE | ALONE | | |

HOOD INFORMATION

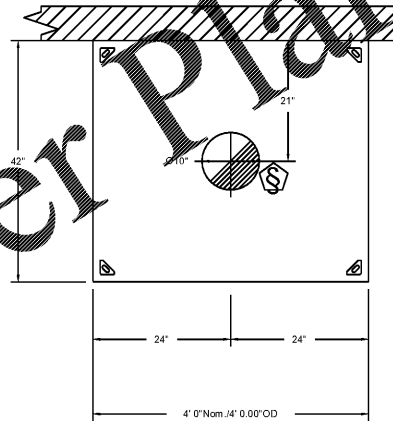
| HOOD NO. | TAG | FILTER(S) | | | | LIGHT(S) | | | | UTILITY CABINET(S) | | | | FIRE SYSTEM PIPING | HOOD HANGING WGT | |
|----------|------|----------------------|-----|--------|--------|------------------------|-----|------|------------|--------------------|------|-------------|------|--------------------|------------------|---------|
| | | TYPE | QTY | HEIGHT | LENGTH | EFFICIENCY @ 7 MICRONS | QTY | TYPE | WIRE GUARD | LOCATION | SIZE | FIRE SYSTEM | SIZE | | | MODEL # |
| 1 | Main | Captrate Solo Filter | 4 | 16" | 16" | 85% See Filter Spec. | 0 | | | | | | | | YES | 200 LBS |
| 2 | Main | Captrate Solo Filter | 7 | 16" | 16" | 85% See Filter Spec. | 0 | | | | | | | | YES | 291 LBS |
| 3 | Dish | | | | | | 0 | | | | | | | | NO | 187 LBS |
| 4 | | | | | | | 0 | | | | | | | | NO | 57 LBS |
| 5 | | | | | | | 0 | | | | | | | | NO | 77 LBS |

HOOD OPTIONS

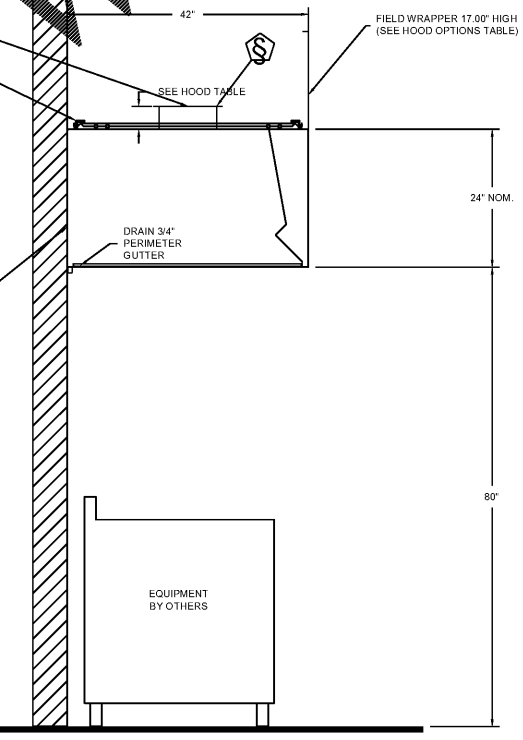
| HOOD NO. | TAG | OPTION |
|----------|------|--|
| 1 | Main | BACKSPLASH 62.00" High X 214.00" Long 430 SS Vertical |
| | | RIGHT QUARTER END PANEL 18" Top Width, 0" Bottom Width, 18" High 430 SS |
| | | LEFT QUARTER END PANEL 18" Top Width, 0" Bottom Width, 18" High 430 SS |
| 2 | Main | RISER SENSOR INSTALL 6IN PLEN |
| | | GFCI DUPEX OUTLET, 20A 125V - Hood Front Left - Vertical - Dist from End: 3.50 Dist from Bottom: 3.00 |
| | | RIGHT QUARTER END PANEL 18" Top Width, 0" Bottom Width, 18" High 430 SS |
| 3 | Dish | LEFT QUARTER END PANEL 18" Top Width, 0" Bottom Width, 18" High 430 SS |
| | | RISER SENSOR INSTALL 6IN PLEN |
| | | GFCI DUPEX OUTLET, 20A 125V - Hood Front Right - Vertical - Dist from End: 3.50 Dist from Bottom: 3.00 |
| | | FIELD WRAPPER 17.00" High Front, Left, Right |

PERFORATED SUPPLY PLENUM(S)

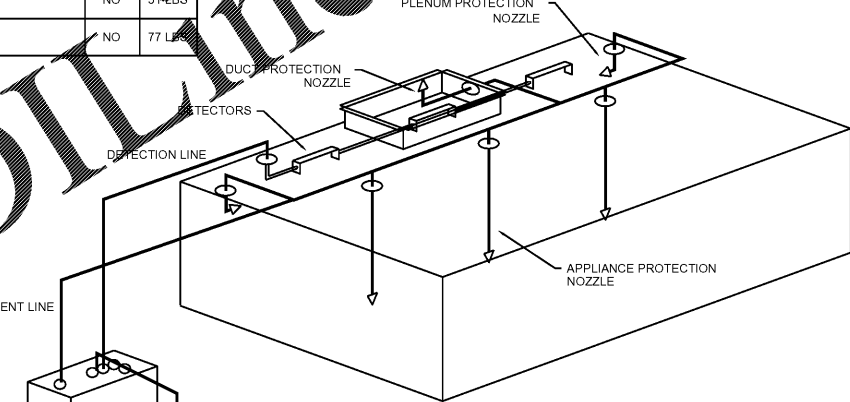
| HOOD NO. | TAG | POS. | LENGTH | WIDTH | HEIGHT | TYPE | RISER(S) | | | | |
|----------|-----|-------|--------|-------|--------|------|----------|-------|------|-----|--------|
| | | | | | | | WIDTH | LENG. | DIA. | CFM | S.P. |
| 4 | | Front | 76" | 9" | 6" | MUA | 6" | 28" | | 380 | 0.118" |
| | | | | | | | 6" | 28" | | 380 | 0.118" |
| | | | | | | | 6" | 28" | | 406 | 0.133" |
| 5 | | Front | 122" | 9" | 6" | MUA | 6" | 28" | | 406 | 0.133" |
| | | | | | | | 6" | 28" | | 406 | 0.133" |



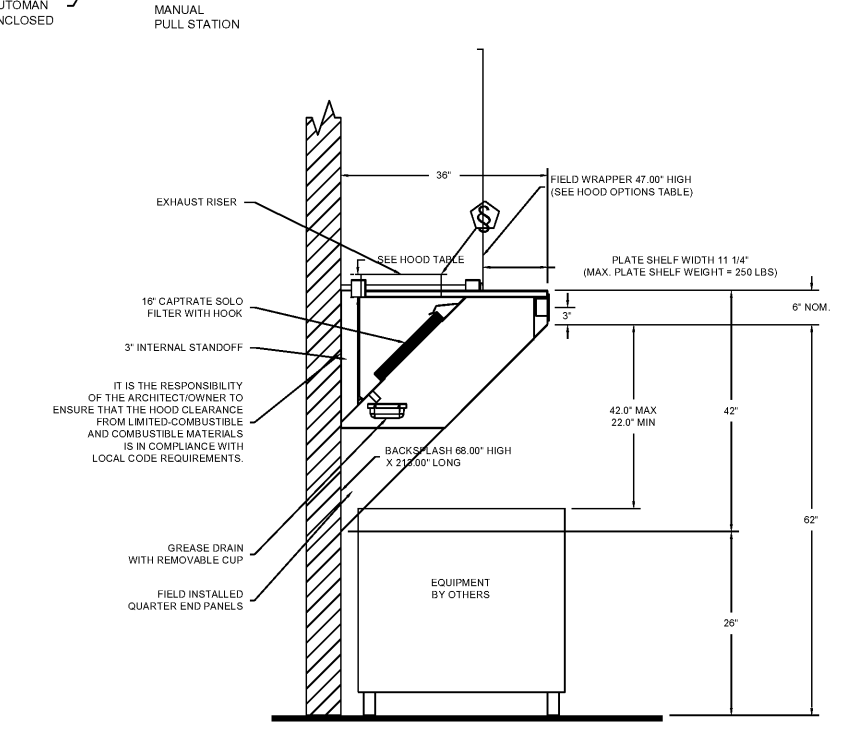
PLAN VIEW - Hood #3 (Dish)
 4' 0.00" LONG 4224VHB-G-ND



SECTION VIEW - MODEL 4224VHB-G-ND
 HOOD - #3 (Dish)



TYPICAL ANSUL R102 SYSTEM LAYOUT WITH REMOTE MOUNTED AUTOMAN



SECTION VIEW - MODEL 3642BD-2-6-PLT
 HOOD - #1 (Main)

HOOD PLANS, ELEVATIONS AND SCHEDULE



JOB NO. LI907

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| NO. | ISSUE DATE |
|-----|-------------------|
| | PERMIT SET / 2019 |

DRAWING NUMBER

MH100