

| HOOD NO. | TAG | MODEL | LENGTH | MAX. COOKING TEMP. | TOTAL EXH. CFM | EXHAUST PLENUM | | | | | | HOOD CONSTRUCTION | HOOD CONFIG. | |
|----------|-----|-----------|----------|--------------------|----------------|----------------|-------|--------|------|-----|---------|----------------------|--------------|-------|
| | | | | | | RISER(S) | | | | | | | END TO END | ROW |
| | | | | | | WIDTH | LENG. | HEIGHT | DIA. | CFM | S.P. | | | |
| 1 | | 3650 BD-2 | 6' 0.00" | 450 Deg. | 900 | | | 4" | 10" | 900 | -0.638" | 430 SS Where Exposed | ALONE | ALONE |

| HOOD NO. | TAG | FILTER(S) | | | | LIGHT(S) | | | UTILITY CABINET(S) | | | | FIRE SYSTEM PIPING | HOOD HANGING WGHT | | |
|----------|-----|----------------------|------|--------|--------|------------------------|------|------------------|--------------------|----------|------|-------------|--------------------|-------------------|------------|----------|
| | | TYPE | QTY. | HEIGHT | LENGTH | EFFICIENCY @ 9 MICRONS | QTY. | TYPE | WIRE GUARD | LOCATION | SIZE | FIRE SYSTEM | | | ELECTRICAL | SWITCHES |
| | | | | | | | | | | | | TYPE | | | SIZE | MODEL # |
| 1 | | Captrate Solo Filter | 4 | 16" | 16" | 93% See Filter Spec. | 3 | Screw In Compact | NO | | | | | | YES | 239 LBS |

| HOOD NO. | TAG | OPTION |
|----------|-----|---|
| 1 | | FIELD WRAPPER 18.00" High Front, Right |
| | | BACKSPLASH 61.00" High X 72.00" Long 430 SS Vertical |
| | | RIGHT QUARTER END PANEL 26" Top Width, 0" Bottom Width, 26" High 430 SS |
| | | LEFT QUARTER END PANEL 26" Top Width, 0" Bottom Width, 26" High 430 SS |

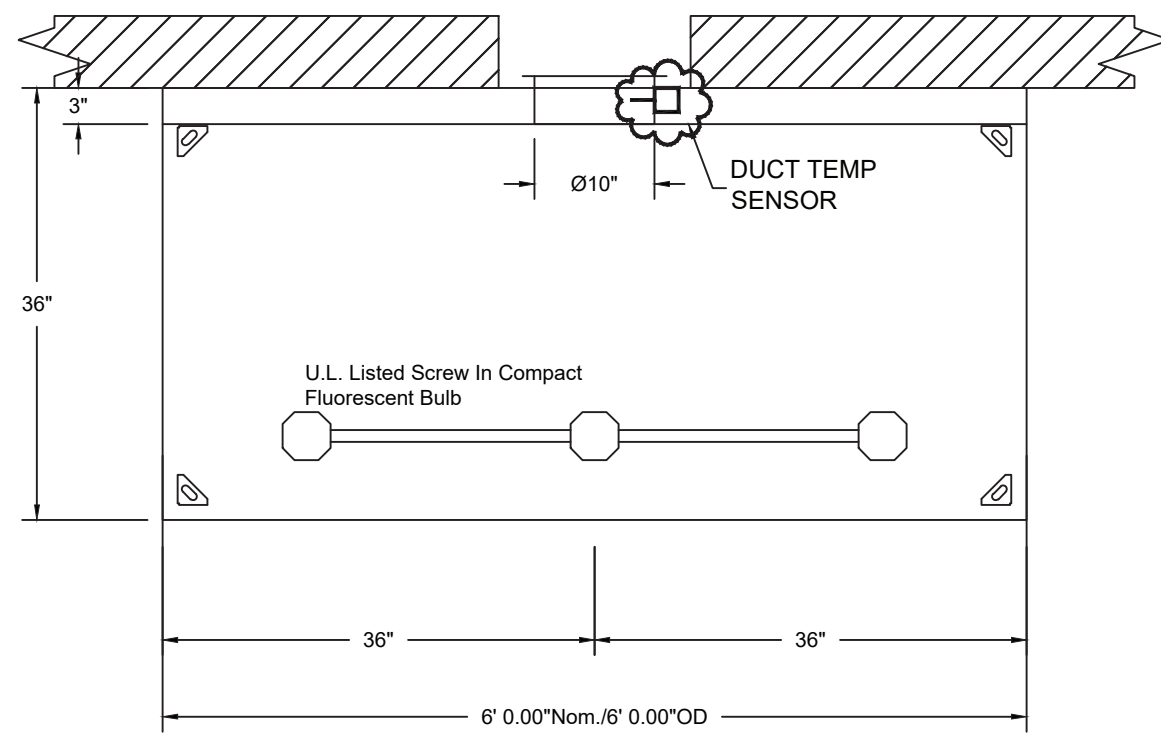
| FIRE SYSTEM NO. | Tag | TYPE | SIZE | FLOW POINTS | INSTALLATION | |
|-----------------|-----|------------|------|-------------|-----------------|------------------|
| | | | | | SYSTEM | LOCATION ON HOOD |
| 1 | | Ansul R102 | 3.0 | 7 | Wall Mount Left | N/A |

| FAN UNIT NO. | TAG | FAN UNIT MODEL # | CFM | ESP. | RPM | H.P. | B.H.P. | Ø | VOLT | FLA | WEIGHT (LBS.) | SONES |
|--------------|-----|------------------|-----|-------|------|-------|--------|---|------|-----|---------------|-------|
| 1 | | DU50HFA | 900 | 1.100 | 1483 | 0.500 | 0.3650 | 1 | 115 | 8.4 | 65 | 15.6 |

| FAN UNIT NO. | TAG | OPTION (Qty. - Descr.) |
|--------------------|-----|------------------------|
| 1 | | 1 - Grease Box |

| NO. | ON FAN | WEIGHT | ITEM | SIZE |
|-----|--------|--------|------|--|
| 1 | # 1 | 31 LBS | Curb | 19.500"W x 19.500"L x 20.000"H Vented Hinged |

_____ ' _____"
Height required to verify hood will fit
and to size the enclosure panels (wrappers)



PLAN VIEW - Hood #1
6' 0.00" LONG 3650BD-2

Technical drawing of a hood and fan assembly showing dimensions and ductwork layout. The drawing includes the following dimensions and labels:

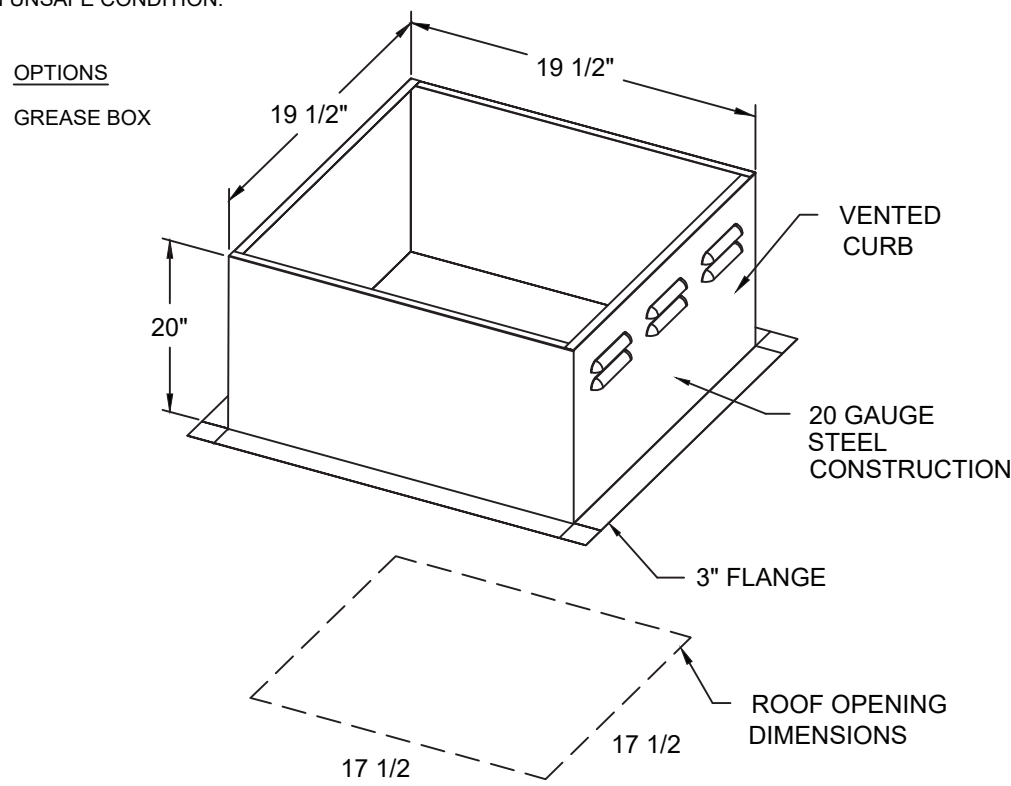
- Overall width: 28 7/8
- Overall height: 27 1/4
- Height from base to top of hood: 21 1/4
- Height from base to bottom of hood: 2
- Width of base: 13 1/4
- Width of ductwork: 17 1/2
- Width of ductwork at base: 21
- Label: GREASE DRAIN
- Label: DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS)

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS)
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL705 AND UL762
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

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

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.

GREASE



FIELD PIPING

| | |
|-----|-------------------------------|
| 1B | 3 GALLON TANK |
| 3 | OEM REGULATED RELEASE |
| 5 | ANSULEX LIQUID AGENT (3 GAL.) |
| 7 | CARTRIDGE (101-20) |
| 10 | TEST LINK |
| 11 | DOUBLE MICROSWITCH |
| 1W | NOZZLE ASSEMBLY (419336) |
| 1F | NOZZLE ASSEMBLY (419333) |
| 1N | NOZZLE ASSEMBLY (419335) |
| 28 | DETECTOR BRACKET |
| 29 | LOW TEMP FUSIBLE LINK |
| MGV | MECHANICAL GAS VALVE |
| 34 | REMOTE MANUAL PULL STATION |
| S | SWIVEL ADAPTOR |

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL)

THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/ LINKAGE ASSEMBLY.

- FIELD PIPE DROPS AS SHOWN
- SLEEVING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- MAXIMUM 9 ELBOWS IN SUPPLY LINE.
- MINIMUM 72 INCHES OF AGENT LINE FROM TANK TO FIRST NOZZLE.
- IF APPLICABLE, PRE-PIPE CHARBROILER DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS

FIRE SUPPRESSION SYSTEM DETAIL

| NO. | TAG | PACKAGE # | LOCATION | SWITCHES | | OPTION | FANS CONTROLLED | | | | |
|-----|-----|-------------|----------------------|-------------------|------------------|-------------------------------------|-----------------|---|-------|------|-----|
| | | | | LOCATION | QUANTITY | | TYPE | # | H.P. | VOLT | FLA |
| 1 | | SC-110110FP | Wall Mount In SS Box | SS Wall Mount Box | 1 Light 1 Fan | Smart Controls Thermostatic Control | Exhaust | 1 | 0.500 | 115 | 8.4 |

[illegible]

HOOD CONTROL PACKAGE INTERFACE with LCD Screen

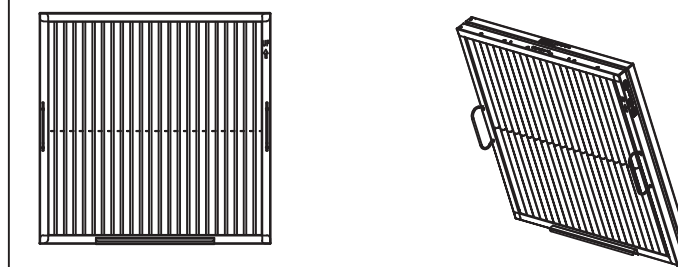
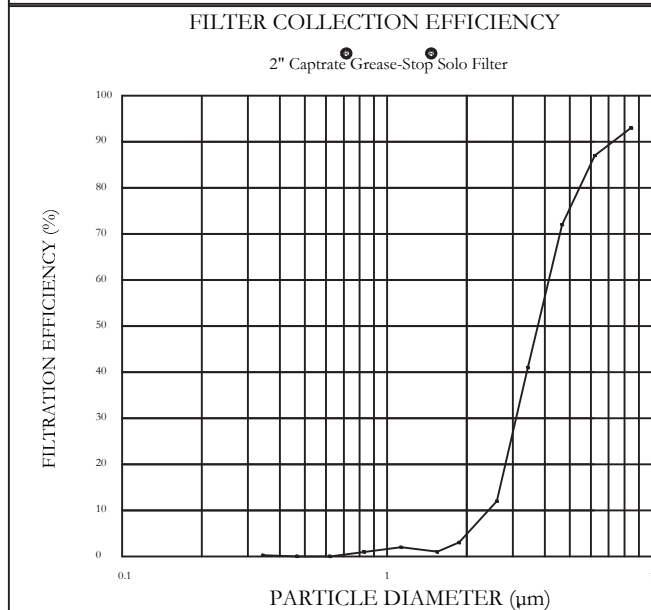
LOCATED ON FACE OF HOOD CABINET

1. ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
2. ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS.
3. HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON DRAWINGS. OTHER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
4. ALL CONNECTIONS FROM CAPTIVE-ARE DUCT PER MECHANICAL CONTRACTORS.
5. COOKING EQUIPMENT TO SHUTOFF IN EVENT OF FIRE.
6. EXHAUST FANS TO TURN ON IN EVENT OF FIRE.
7. ALL LIGHTS FIXTURE SHOWN INSTALLED BY CAPTIVE-ARE AREA FIGHTING PREVIEWED. INTERCONNECTIONS BETWEEN EQUIPMENT TO SWITCHING CONTRACTORS.
8. LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
9. SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
10. INSTALLING CONTRACTORS ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL ACCURACY, INTEGRATION, AND ADMINISTRATION OF JOB REQUIREMENTS. CONTRACTORS TO BE RESPONSIBLE FOR RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.

11. KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.
12. KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DINING AREA.
13. RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.


14. WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.
15. SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

| FILTER COLLECTION EFFICIENCY | |
|------------------------------|---------------|
| Filter | Efficiency, % |
| 1 | 99.99 |
| 2 | 99.99 |
| 3 | 99.99 |
| 4 | 99.99 |
| 5 | 99.99 |
| 6 | 99.99 |
| 7 | 99.99 |
| 8 | 99.99 |
| 9 | 99.99 |
| 10 | 99.99 |
| 11 | 99.99 |
| 12 | 99.99 |
| 13 | 99.99 |
| 14 | 99.99 |
| 15 | 99.99 |
| 16 | 99.99 |
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| 22 | 99.99 |
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| 30 | 99.99 |
| 31 | 99.99 |
| 32 | 99.99 |
| 33 | 99.99 |
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| 39 | 99.99 |
| 40 | 99.99 |
| 41 | 99.99 |
| 42 | 99.99 |
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| 72 | 99.99 |
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| 85 | 99.99 |
| 86 | 99.99 |
| 87 | 99.99 |
| 88 | 99.99 |
| 89 | 99.99 |
| 90 | 99.99 |
| 91 | 99.99 |
| 92 | 99.99 |
| 93 | 99.99 |
| 94 | 99.99 |
| 95 | 99.99 |
| 96 | 99.99 |
| 97 | 99.99 |
| 98 | 99.99 |
| 99 | 99.99 |
| 100 | 99.99 |



Captrate Solo UL Listed
Grease Extracting Filters
Made From 430 Stainless Steel

FILTER DETAIL

| | | |
|---|--|--|
|  | <p>LA ROCCA GREENE ARCHITECTS, LLC 22 PURCHASE STREET RYE, NEW YORK 10580</p> | <p>OLA CONSULTING ENGINEERS 50 BROADWAY 2ND FLOOR HAWTHORNE, NY 10532</p> |
| | <p>ENVIRONMENTAL MAINTENANCE CONTRACTORS 5 ANDERSON LANE GOLDEN BRIDGE, NY 10526</p> | <p>WATSKY ASSOCIATES ROOF CONSULTANTS 20 MADISON AVENUE VALHALLA, NY 10595</p> |

| | | | | |
|--------------------|---------|------------|-------------|-----------------|
| | 11/6/20 | | | 100% SUBMISSION |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| REVISION NUMBER | DATE | MADE BY | APP'D BY | REVISION |

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

| | | | |
|---|--|-------------------------------|--------------|
| CONTRACTOR | | PROJECT COORDINATOR | |
| NAME _____ | | NAME _____ | |
| SIGNATURE _____ | | SIGNATURE _____ | |
| TITLE _____ DATE _____ | | TITLE _____ DATE _____ | |
| WESTCHESTER COUNTY, NEW YORK | | CONTRACT NUMBER | SHEET NUMBER |
| DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION | | 16-529 | K1 |
| DIVISION OF ENGINEERING | | SHEET NO. 72 OF 72 | |
| LASDON PARK MAIN HOUSE RENOVATIONS | | SCALE: DATE: 11/06/20 | |
| CAPTIVEAIRE HOOD & FIRE SUPPRESSION | | DPW FILE NO. 91-05-E-146-0 | REV. NO. |