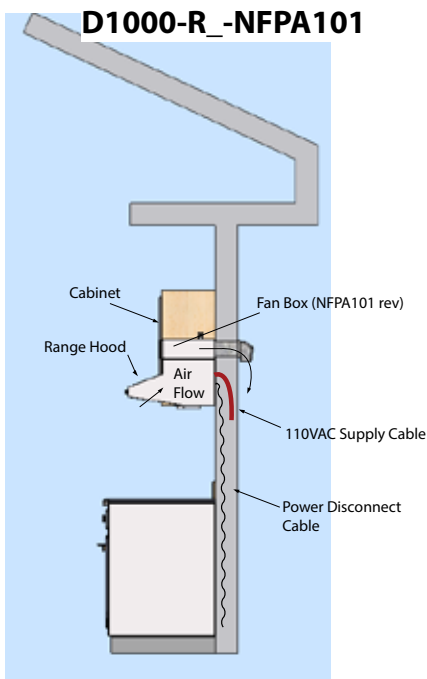
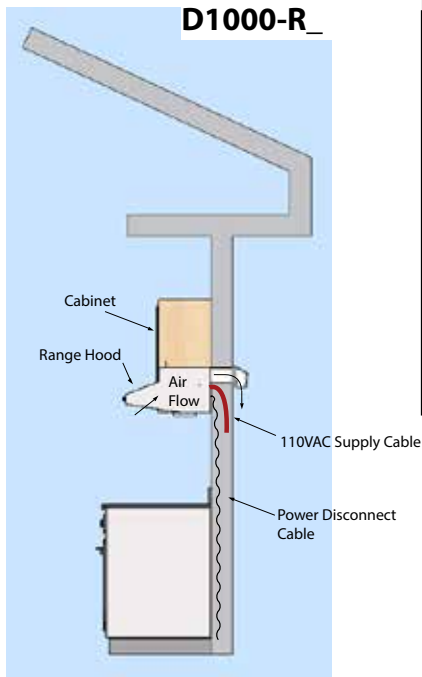


The D1000

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| | Width | Fan Type | Venting | CFM (at hood) | DUCT LENGTH (max) |
|-----------------------|-------|-------------------|----------------|----------------|-------------------|
| D1030-F_ | 30" | INTERNAL | FRONT (recirc) | 140 CFM | N/A |
| D1030-F_ (NFPA101) | 30" | INTERNAL | FRONT (recirc) | 500 CFM | N/A |
| D1030-R_ | 30" | INTERNAL | REAR EXPELLING | 250 CFM | N/A |
| D1030-R_ (NFPA101) | 30" | INTERNAL | REAR EXPELLING | 500 CFM | N/A |
| D1030-I_-DF | 30" | In-Line Duct Fan | Vertical Duct | 470 CFM | 35 FEET |
| D1030-I_-DF (NFPA101) | 30" | In-Line Duct Fan | Vertical Duct | 510 CFM | 35 FEET |
| D1030-I_-WF | 30" | Exterior Wall Fan | Vertical Duct | 150 CFM | 20 FEET |
| D1030-I_-WF (NFPA101) | 30" | Exterior Wall Fan | Vertical Duct | 550 CFM | 20 FEET |
| D1036-F_ | 36" | INTERNAL | FRONT (recirc) | 140 CFM | N/A |
| D1036-F_ (NFPA101) | 36" | INTERNAL | FRONT (recirc) | 500 CFM | N/A |
| D1036-R_ | 36" | INTERNAL | REAR EXPELLING | 250 CFM | N/A |
| D1036-R_ (NFPA101) | 36" | INTERNAL | REAR EXPELLING | 500 CFM | N/A |
| D1036-I_-DF | 36" | In-Line Duct Fan | Vertical Duct | 470 CFM | 35 FEET |
| D1036-I_-DF (NFPA101) | 36" | In-Line Duct Fan | Vertical Duct | 510 CFM | 35 FEET |
| D1036-I_-WF | 36" | Exterior Wall Fan | Vertical Duct | 150 CFM | 20 FEET |
| D1036-I_-WF (NFPA101) | 36" | Exterior Wall Fan | Vertical Duct | 550 CFM | 20 FEET |

Volts = 115 :: Hz = 60 Amps :: Light Bulb = 60A15/TF :: Elec. Cutoff = 50A-208VAC Relay :: Gas Cutoff = 110VAC Solenoid

Typical Specifications:

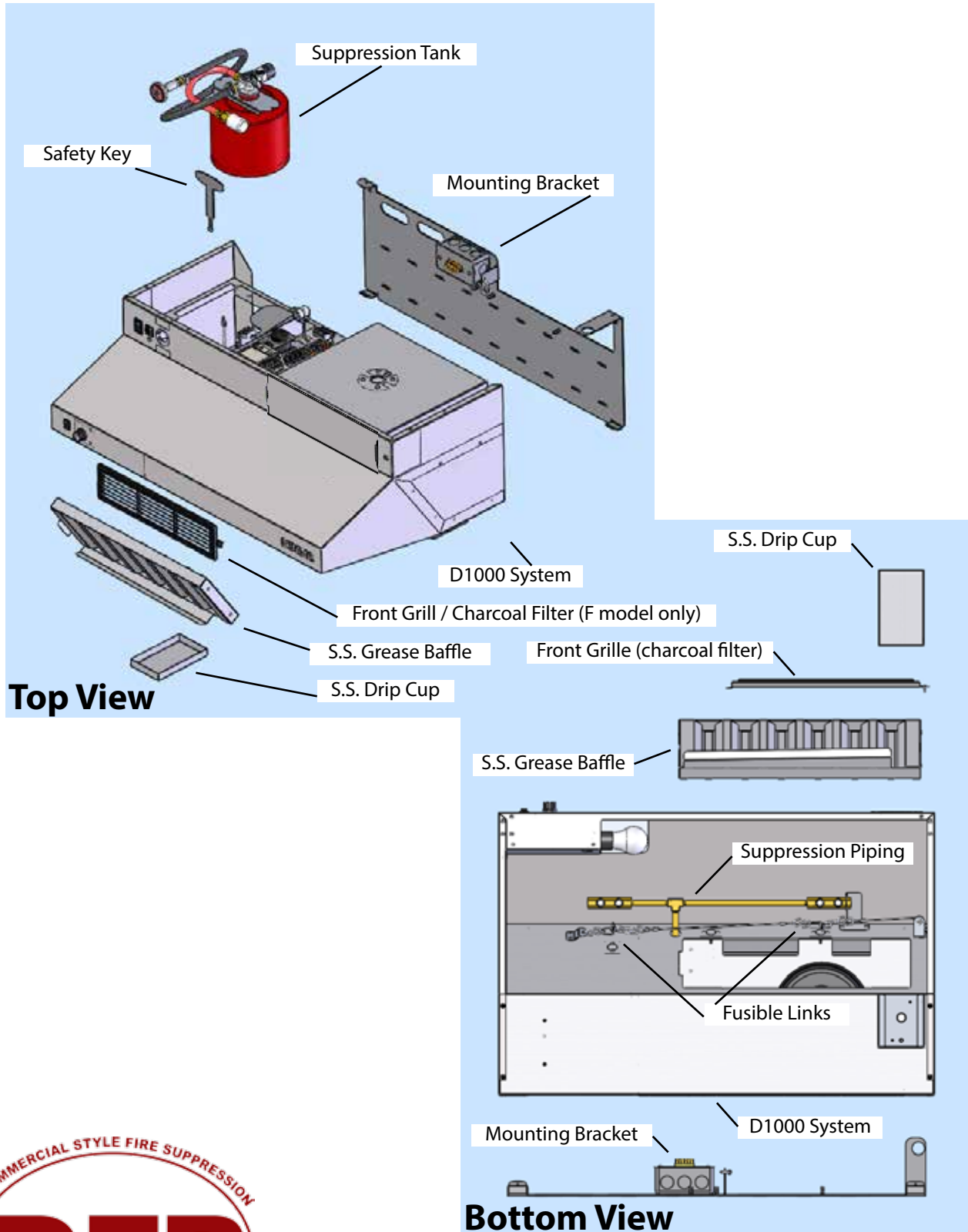
- Hood shall be D1000 Series by DENLAR Fire Protection
- Unit shall be wall mounted so that the bottom of the mounting bracket sits 18" to 26" above the cooktop
- Unit shall be of stainless steel construction (#18 & #20 GA, polished 304) w/ no sharp edges and brushed finish
- Unit shall have fire suppression system factory installed
- Activation of the mechanical fire suppression system shall be by 212 or 280 degree fusible link (30" vs 36")
- Wet chemical extinguishing agent: Low PH Amerex 660 (pressurized potassium citrate / potassium acetate mix)
- Unit shall have centrifugal fan with air delivery of 380 to 610 cfm, fan speed controller will be infinitely variable
- Unit shall be ETL listed, tested to UL300A standards, fan motor shall be permanently lubricated and meet UL507
- Unit shall include a fuel shut-off device for gas & electric appliances, activated at suppression system discharge
- Unit shall also automatically disconnect range element once a certain pre-set temperature is reached
- Unit shall have multiple alarm contacts pre-installed (local, remote & trouble alarms) and an audible buzzer
- Lighting shall be by 60w shatter-proof bulb

Standard Options*:

- MPK - Manual Pull Station Kit
- NSF - Upgrade to Natl. Sanitation Foundation Compliance
- ADA - Handicapped Accessible Control Box
- CLBX - THE CLOCKBOX (Key-lock, Range Element Timer)
- NFPA101 - Upgrade to NFPA Life Safety Code Compliance
- *Custom Powdercoat Finishes Are Available



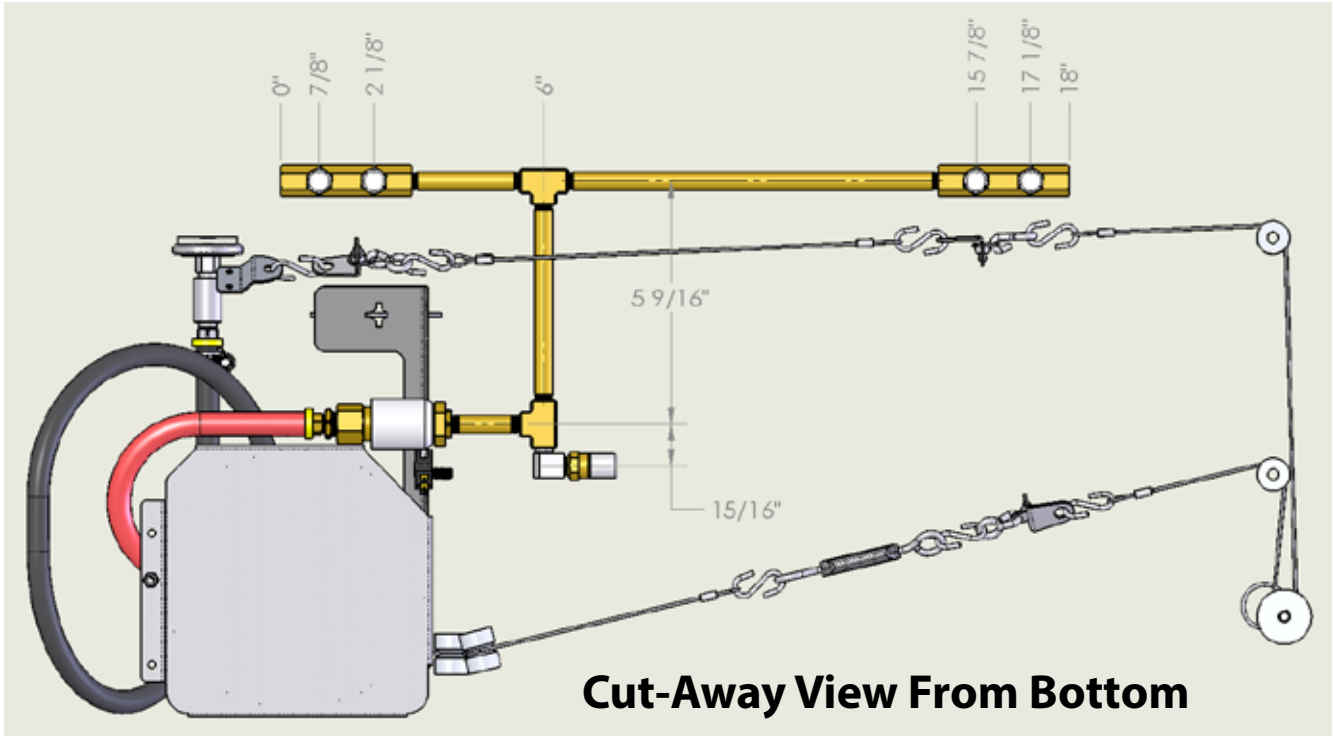
System Anatomy :: D1030-R



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Integrated Fire Suppression System

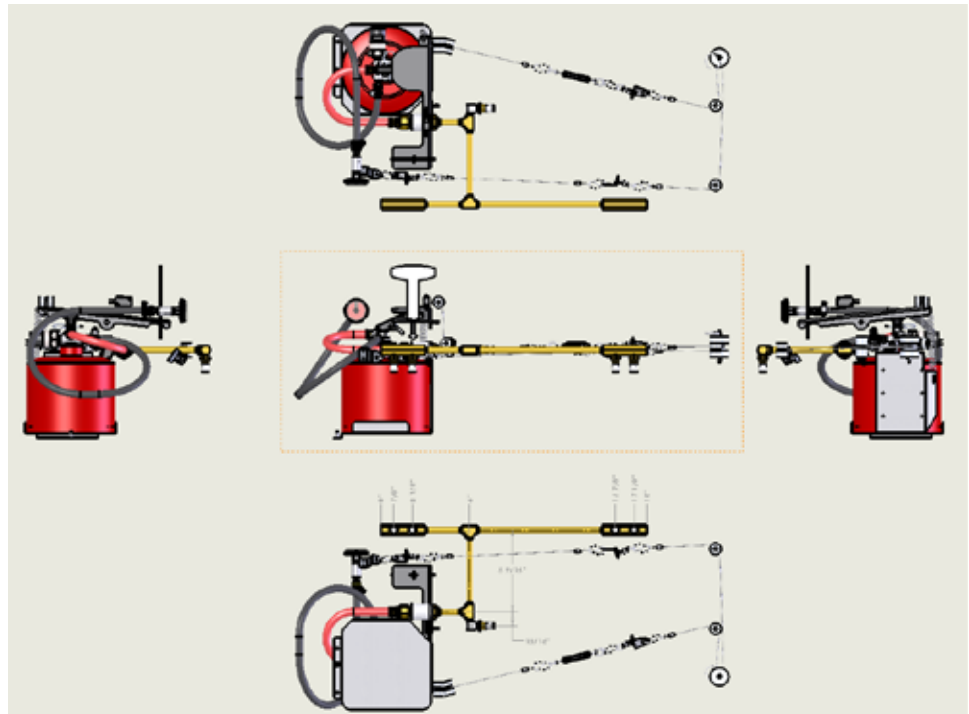


Nozzle Type:
40 degree Conical Spray

Number of Nozzles:
4 protecting the appliance
1 located in the plenum

Chemical Agent:
AMEREX 660
-low PH wet chemical

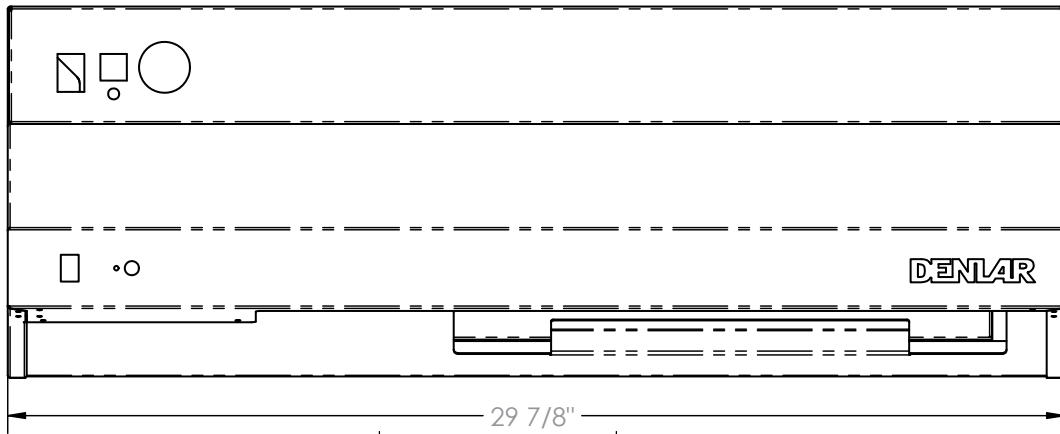
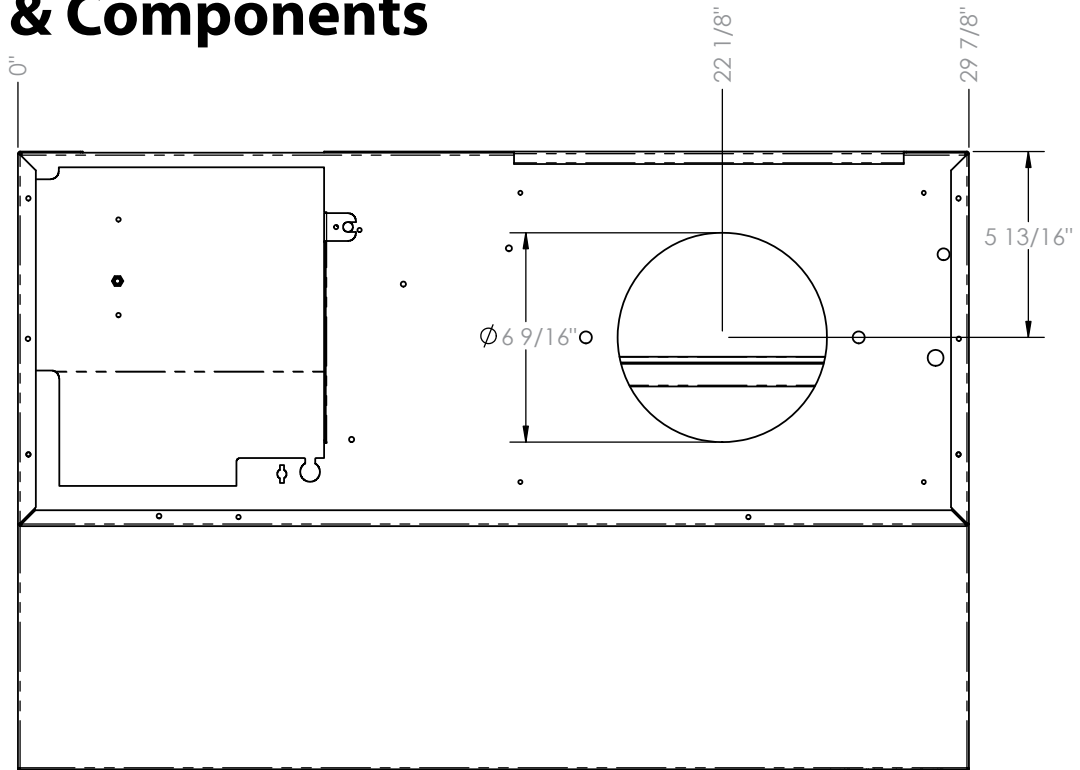
Bottle Volume:
approx. 1.5 liters



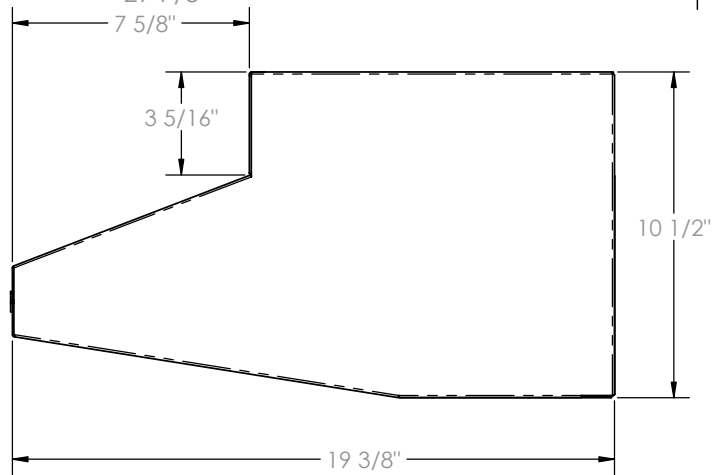
The D1000

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System & Components

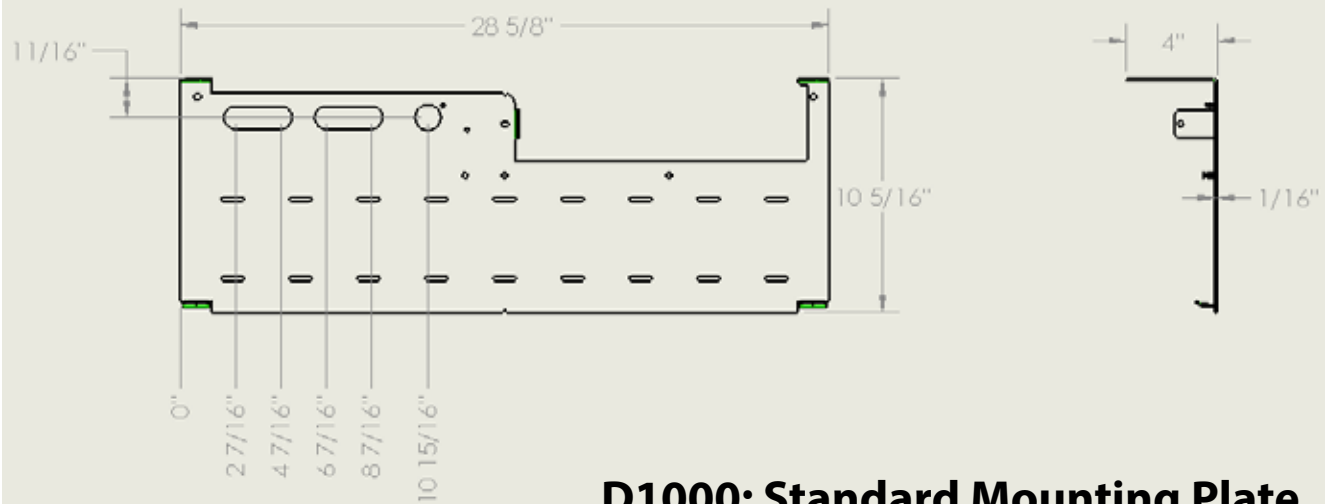


D1030: Outer Shell

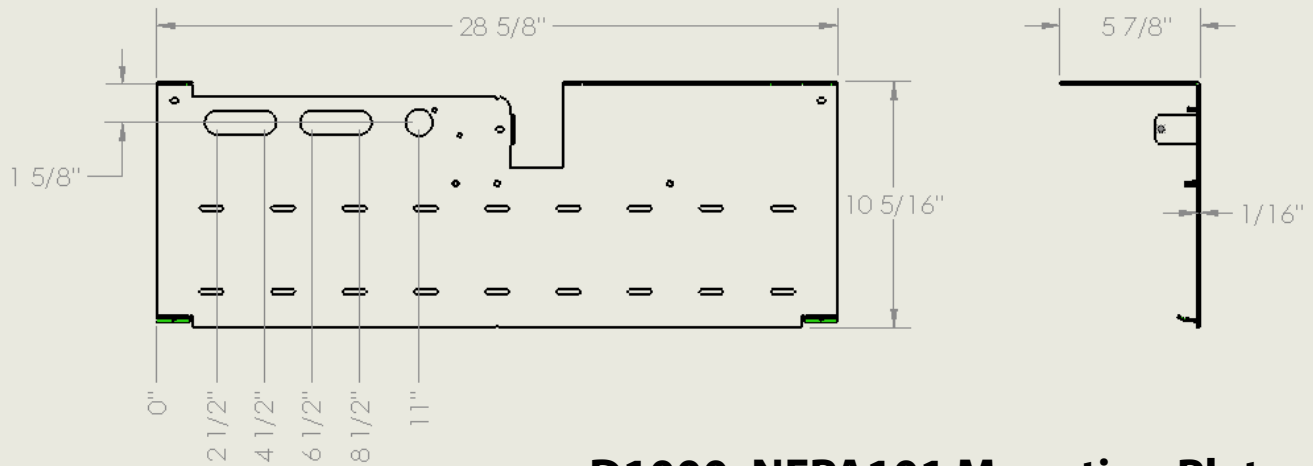


The D1000

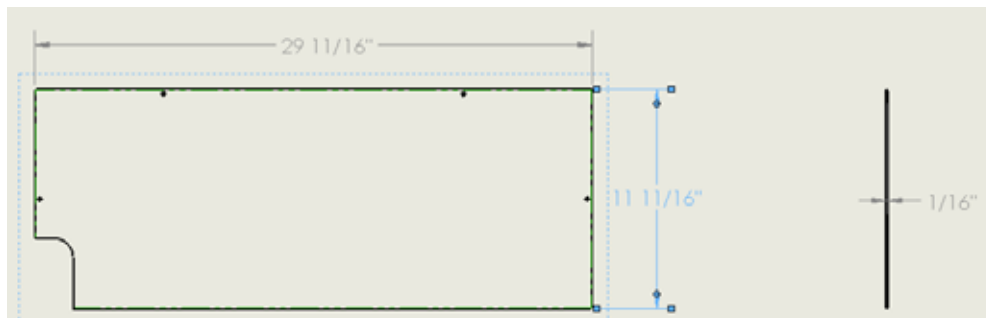
**Model: D1030-R
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D1000: Standard Mounting Plate



D1000: NFPA101 Mounting Plate



***D1030FC: 30" Top Cover for R unit**



* Indicates OPTIONAL component

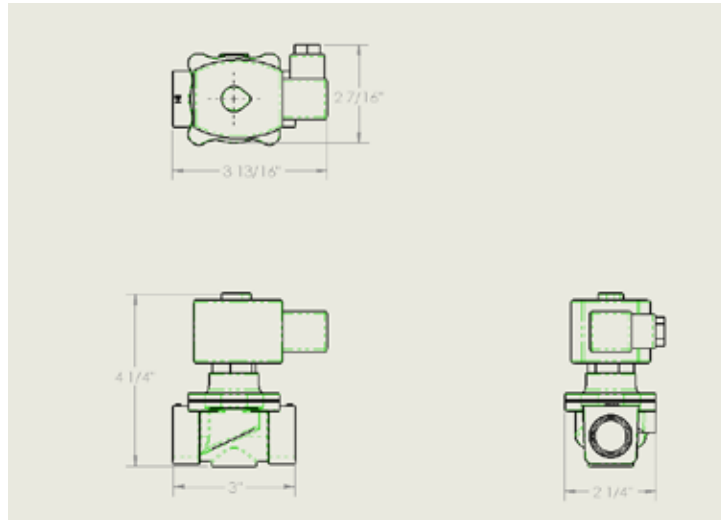
The D1000

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D1000-G: Controlled GAS Solenoid Valve

Included:

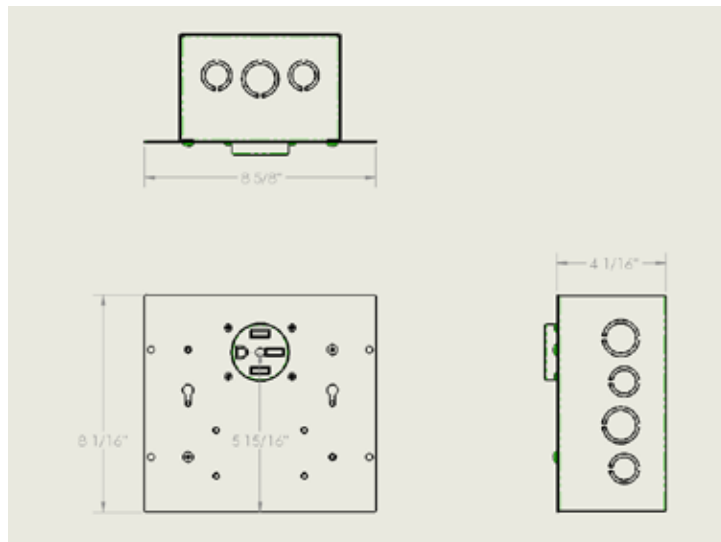
- 6 ft shielded control wire
- plug & play connection



D1000-E: Electric Range Element Disconnect

Included:

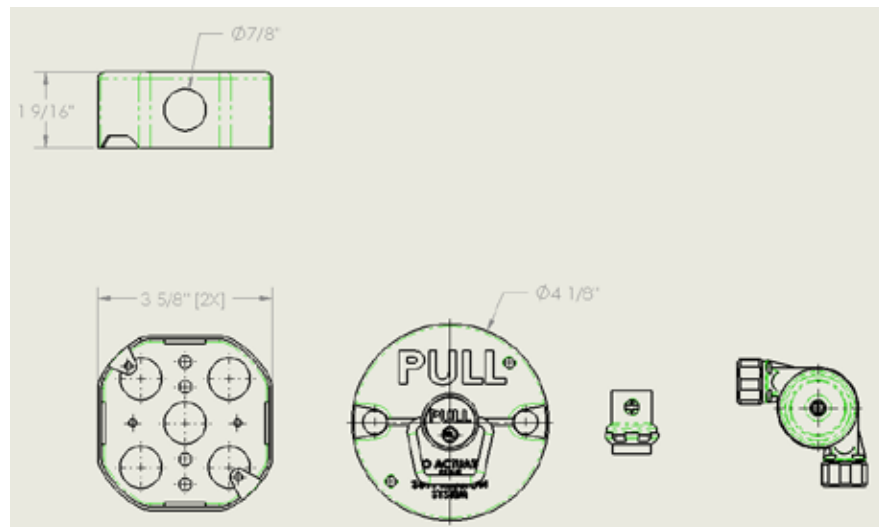
- 6 ft shielded control wire
- plug & play connection



*D1000-MPK: Manual Pull Station Kit

Included:

- 18 ft braided metal rope
- 3 corner pulley's



* Indicates OPTIONAL component



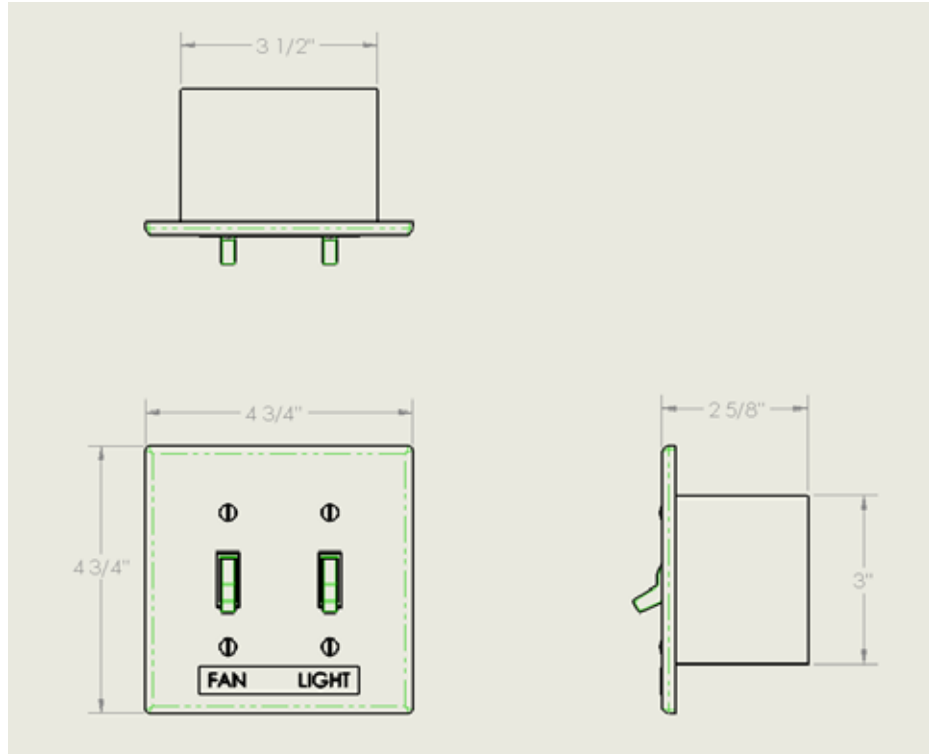
The D1000

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*** D1000-ADA:
Handicapped
Accessible
Control Box**

Included:

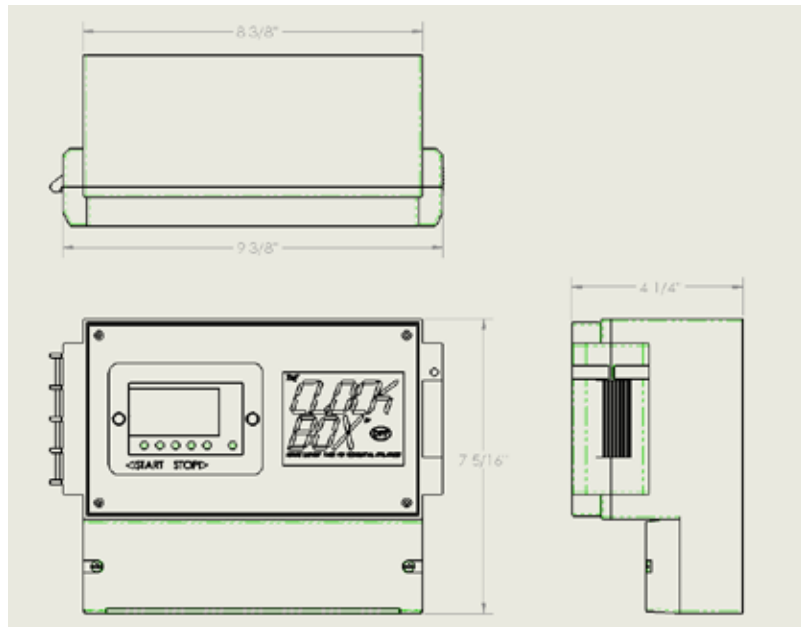
8ft shielded control wire
-plug & play connection



*** D1000-CLBX:
CLOCKBOX Range
Element Timer /
Lock-Out System**

Included:

20ft shielded control wire
-plug & play connection



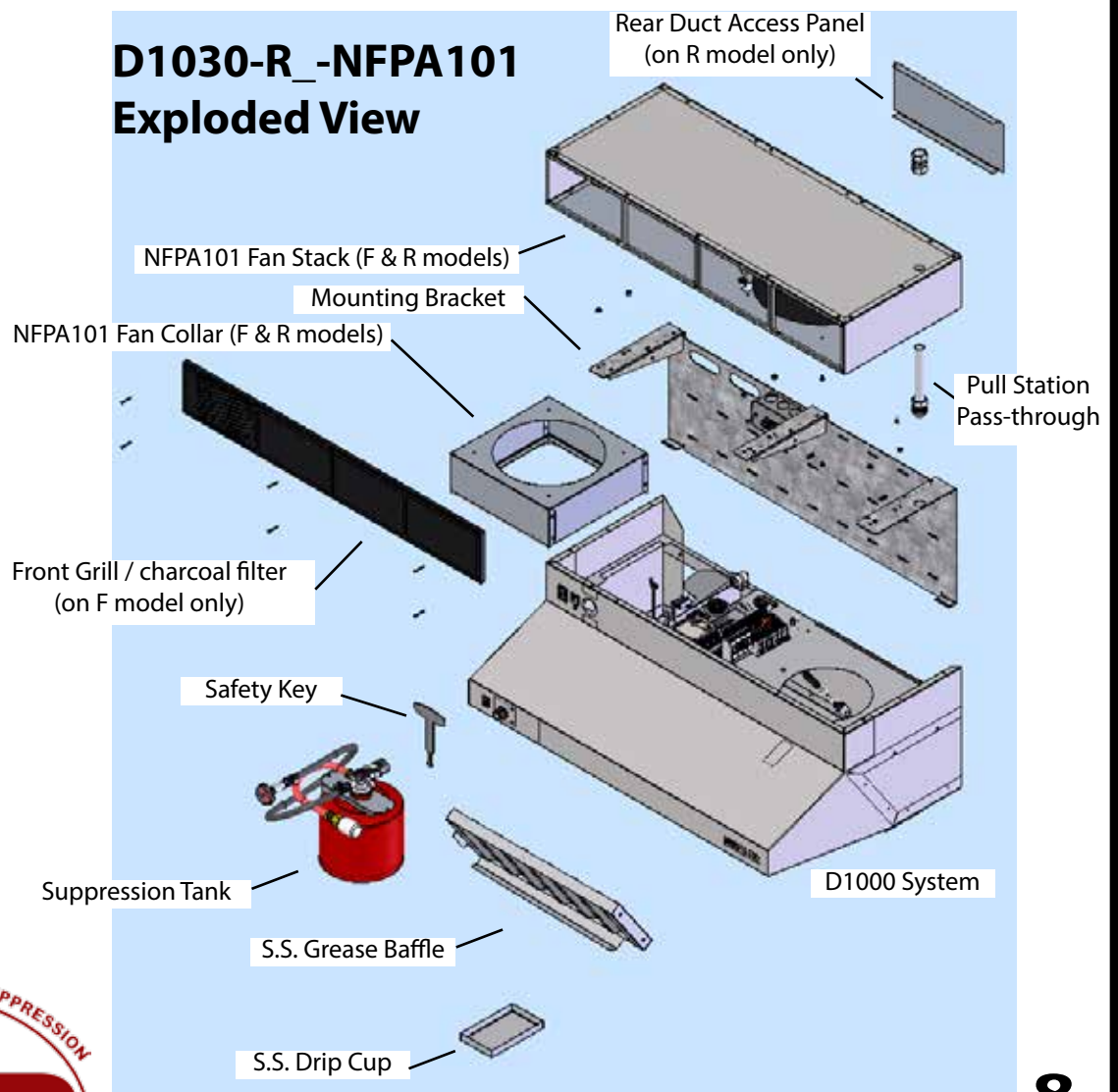
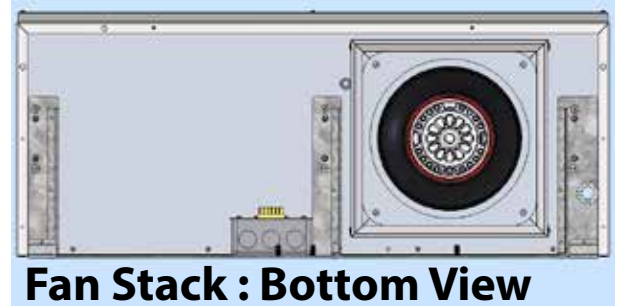
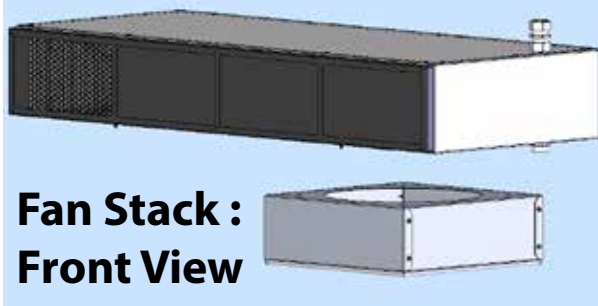
* Indicates OPTIONAL component

The D1000

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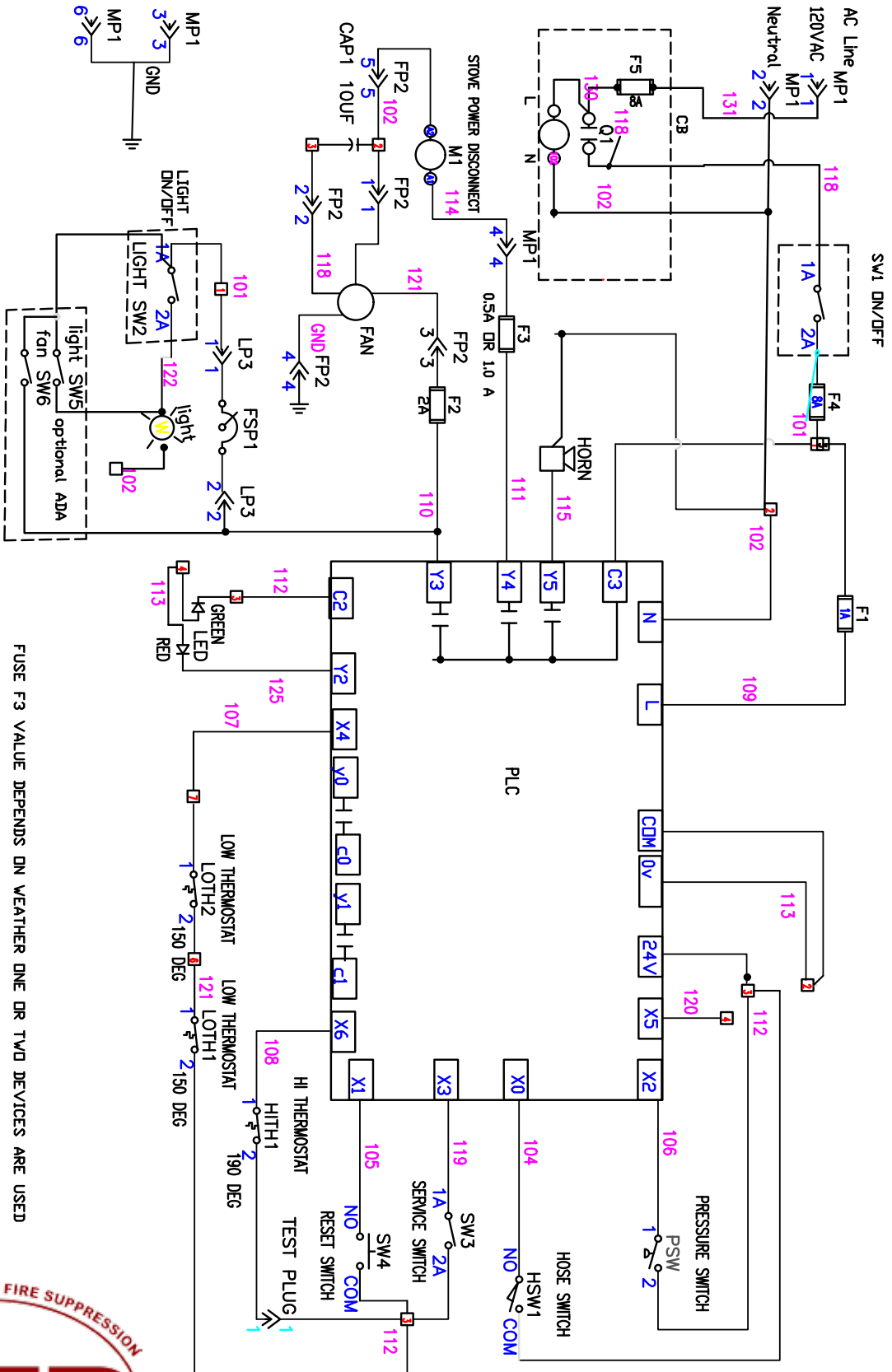
NFPA101 Calibration :: D1030-R_-NFPA101

The NFPA101 Upgrade to the DENLAR D1000 is intended to offer total compliance to a 2012 Amendment to The NFPA Life Safety Code section 18.3.2.5.3. The "NFPA101" calibration packages the following options into one simple upgrade: +500cfm of Air Delivery, a Manual Pull Station Kit and The CLOCKBOX.



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FUSE F3 VALUE DEPENDS ON WEATHER ONE OR TWO DEVICES ARE USED

D1000 Electrical Diagram - Complete Schematic



The D1000

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