SECTION 283100 - FIRE DETECTION AND ALARM PART I CINERAL 1.01 ADUNISTRATUE A. The everd "should" used in NPA 72 shall be considered a mondatory requirement. 1.02 PREPARATION A. Explainty, but not limited to Including, but not limited to. Including, but not limited to. Including, but not similar to. On discontinus sheer voice alone will be required. 2. Fire sprinkler plans, including fire sprinkler plans that are designed by others, to determine south most fill the sprinkler plans including fire sprinkler plans that are designed by others, to determine locations of 101 files sections. Such as the control of the sprinkler plans that are designed by others, to determine locations of 101 files actioned as significant to the sprinkler plans. cibers, to determine locations of all flow switches, targer switches, post indicator values, correction maintering probes, dry-type system compressors, and indicator values, correction maintering probes, dry-type system compressors. 3. Mechanical plans to determine locations of all individual HMVD units rated egapal to or greater than 2,000 bubic feet per minute (GMV), locations of HMVD units is egapl to or greater than 2,000 bubic feet per minute (GMV), locations of HMVD units is egapl to or greater than 2,000 bubic feet per minute (GMV), locations of HMVD units sharing a common return in planum where the total per minute (GMV), swoked dampers, smoke chause toquipment, and Type 1 grease hope the compression of the compression of the control of the compression of the compression of the fire adjustment of the compression of the fire detection and alorm Provides of fully angineered Gode-compliant design of the fire detection and alorm Provides of fully angineered off in protection engineer, employee of the fire alorm and other plans and the compression of the co

the purpose of satabilishing o minimum criteria to aid the Fire Afarm Davigner in the delays of the fully engineered (free afarm from the delays) of the fully engineered (free afarm from the firee afarm Davigner in responsible to provide a design that is fully compliant with aid applicable Codes (and the firee afarm from from the firee afarm from the firee afarm from the firee afarm f

Control Documents served code, Landlord, utility, or recognized standards for the Control Documents served code, Landlord, utility, or recognized standards for the Control Documents served code, Landlord, utility, or recognized standards for the Control Documents and set initiation devices added to existing systems, shall be of the some nourfacturer as the control unit and fully compatible with the system.

1. If the products specified in the Control Documents constitute the Basis of Design for the Construction Documents and set initian standards for quality. The productor's spotial products and set initian standards for quality, the Control's spotial products and set initian standards for quality. The Control's spotial products and set initian standards for quality of the Control's spotial products and set initian standards for quality of the Control's spotial products and set initian standards for quality. The Control's spotial products and set initian standards for quality of the Control's spotial spotial products and set initian standards for quality. The Control's spotial spotial products and set initian standards for quality of the Control's spotial spotial

central station.

Secondary Power: Surroge buttery and buttery charger copolise of operating copocity.

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Assistancy Secondary Commission of the secondary work of the secondary of the commission of the secondary of the secon

attery charger capable of operating led by NFPA 72 plus 25 percent spare required for the batteries installed within. quired for speakers served.

ATING DEVICES

Scoke Detectors: Addressable, low-profile photoelectric smake detector, unless indicated atherwise, with appropriate mounting base.

1. Provide relay base when smake detector is used for door releasing service. Duct Smake Detectors:

1. Devices.

General:

One Provide for each HWAC unit rated equal to an greater than 2,000 cubic feet per sinute.

Provide for all HWAC units serving the same room or area where the total aggregate capacity of the units is equal to an greater than 2,000 cubic feet per sinute.

c. Provide for all MMA units that shore a common return oir plenum where the total aggregate coposity of the units is equal to or greater than 2.00 cable left per instance, or each some deaper.

2. Detector: Addressable photoelectric andre detector suitable for duct privations and the suitable per control of the suitable suitable for a suitable for a suitable for the duct andre detector.

3. Housing: As required for the duct andre detector.

5. Sampling their As required for the duct andre detector.

6. Sampling their As required for the duct andre detector.

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D. Manual Full Stations: Accordance, quarrection Respect your section invested and surface mounted stitl appropriate backbox in unfinited areas of surface and surface mounted stitl appropriate backbox. In unfinited areas of the program of the pr

AMC.
gnaling Line Circuits (SLC):
Number of Conductors: As recommended by the manufacturer.
Conductor Size: As recommended by the manufacturer but not smaller than 18
AMC.

ARC.

D. Notification Appliance Circuits (NAC):

1. Number of Conductors: As recommended by the monufacturer.

2. Oxfactor Size. As recommended by the manufacturer but not smaller than 14.

PART 3 DECUTION
3.01 COMMITTON BITH OTHER TRANSS
AND THE STATE OF THE

probes, dy-viyes system compressors, and fire pumps with the fire Sprinkler Contractor.

2. Connection of all individual NNC mits rate agast to my secure them 2.000 contractor.

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3. Connection of the total aggregate capacity of the units is again to ergoster than 2.000 contractor than 2.000 contractor than 2.000 contractor than 2.000 contractor greater than 2.000 contractor mits against the secure of the secure of

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Fire Sprinker Systems:

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Close gas valve(s) serving appliances located under hood. Shat does all supply air (on)s. I closed yrunning. Transit of ann signal to central unit.

Transit of ann signal to central unit.

Exhaustine all supply air (on)s.

Transit of ann signal to central unit.

Transit of ann signal to central unit.

Referese upon activation of enable detectors on either side of door. Referese upon activation of enable detectors on on the same floor.

Transit of ann signal to central unit.

Referese upon activation of enable detectors on one of the same floor.

Transit of the same floor.

Transit on the same floor.

Transit on any alone signal to central unit.

Transit supervisory signal to control unit.

6. Create Longing and a control of the control of t

Wissel and audible alone at sected unit.
Visual and audible alone is reaste annotator.
Transatt alone signal to central station.
Activate visual notification appliances.
Activate audible notification appliances.
Transatt signal to building seclanical systems to initiate supply air fam Transact signal to butting measures years.

Transact to but filing measures are some discovered and the state of the state Transmit signor to different signor to different signor visionry.
Visual and audible alorn at control unit.
Visual and audible alorn at remote annunciator.
Transmit supervisory signal to central station.

SOUT Completion Statement of Completion common to enhanced until Impaction ord leating is successful. All superior of open critic however demonstrated to Owner, final acceptance of the fire older system has been given by the Authority Having Jurisdiction, the acceptancy permit has been issued, and the personnel Deconstration: Demonstrate proper operation of all functions to Owner. Demonstration: Demonstrate proper operation of all functions to Owner.

To communication and materials: following closecut documentation and material poturer's cut sheets, owner's manual, manufactions, and troubleshooting guides covering

f normal working hours in

Is ach control unit, listing the date and time of each pill-day visit, the condition of the system, nature of the ton performed, and parts replaced. Better 72-2013 "STSTEM RECORD OF INSPECTION AND TESTING" epresentative upon completion of site visit. Lost of contract. for a minimum of 30 days after date of Substantial

FIRE ALARM SYMBOL LEGEND (SOME MAY NOT BE USED) DESCRIPTION DESCRIPTION FACP FIRE ALARM CONTROL PANEL FIRE ALARM VOICE EVACUATION PANE FIRE ALARM HORN, WALL MOUNTED FIRE ALARM REMOTE ANNUNCIATOR FIRE ALARM SPEAKER, WALL MOUNTED FIRE ALARM NOTIFICATION APPLIANCE POWER SUPPLY FIRE ALARM STROBE, WALL MOUNTED FIRE ALARM COMBINATION HORN AND STROBE, WALL MOUNTED FIRE ALARM COMBINATION SPEAKER AND STROBE, WALL MOUNTED FATC FIRE ALARM TERMINAL CABINET FIRE ALARM TRANSPONDER FIRE ALARM HORN, CEILING MOUNTED FIRE ALARM DRILL KEY SWITCH FIRE ALARM SPEAKER, CEILING MOUNTE ¤. ¤√. ¤∢. FIRE ALARM MANUAL PULLSTATION FIRE ALARM STROBE, CEILING MOUNTED FIRE ALARM COMBINATION HORN AND STROBE, CEILING MOUNTED FIRE ALARM COMBINATION SPEAKER AND STROBE, CEILING MOUNTED FIRE ALARM MINIATURE HORN AND STROBE, WALL MOUNTED AUTOMATIC SMOKE DETECTOR, CEILING MOUNTED AUTOMATIC SMOKE DETECTOR, CEILING MOUNTED
AUTOMATIC SMOKE DETECTOR, DUCT MOUNTED, AND
FIRE ALARM RELAY (INTEGRAL OR FIELD-INSTALLED)
DUCT SMOKE DETECTOR REMOTE TEST SWITCH FIRE ALARM MINIATURE HORN AND STROBE, WALL MOUNTED

FIRE ALARM MINIATURE HORN

FIRE ALARM MONTOR TO AND STROBE, CELLING MOUNTED

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AUTOMATIC SMOKE DETECTOR, BEAM
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AUTOMATIC SMOKE DETECTOR,
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#ILE DEFECTOR, ULTRAMOLET TYPE

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FLAME DEFECTOR, NERAMED TYPE

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FLAME DEFECTOR, VISBLE RADIATION TYPE

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RR RELOCATED AND ROUSE FILE ON SYSTEM MADE PULLSHON

RR RELOCATED AND ROUSED FILE ON SYSTEM COMPONENT

AUSE DISCONNECT HVAC UNIT MOTOR SHUTDOWN

FIRE ALARM SYSTEM INPUT/OUTPUT MATR B C D F T G H I J K I M N D P G K S I U V W X Y Z NA AB AC AD AC AT AG AH AN AL I D AC AT AG AN A SYSTEM INPUTS HEAT DETECTOR

MANUAL PULL STATION

HOOD FIRE SUPPRESSION SYSTEM ACTIVATION 14 FIRE SPRINKER POST NOBCATOR VALVE SWITCH
15 FIRE SPRINKER CORREGION MONITORING SYSTEM
16 FIRE SPRINKER PRESSURE MONITORING SYSTEM
16 FIRE SPRINKER PRESSURE MONITORING SYSTEM
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CONSULTING ENGINEER



ARCHITECTURAL PROJECT NO.: MEP PROJECT NO.: STRUCTURAL PROJECT NO.: CIVIL PROJECT NO.:

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PROGRAM: RTSZ

CENTER NO.: SITE ID NO: 0531 LX779947

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STIPULATION FOR REUSE THIS DRAWING WAS PREPARED FOR USE DN.A. SPECIFIC SITE CONTEMPORANEOUSLY WITH ITS ISSUE DATE

USY, COTY, 2020

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PERMIT/ BID SET

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PERMIT SET ISSUE DATE: 08/07/20 BID SET ISSUE DATE: 08/07/2
CONSTRUCTION SET ISSUE DATE: --08/07/20

FIRE ALARM LEGEND, MATRIX, AND SPECIFICATIONS

DRAWING NUMBER EMPLATE (30X42) ISSUE: 10/28/19