Programme and Commence Commenc

O CENTRAL LOUNGE O CLOSET UNDER STAIRS O HALL TO MEDIA ROOM

SECOND FLOOR O HALL BETWEEN SMOKE DOORS AT ELEVATOR AND AT MULTIPURPOSE

O MULTIPURPOSE ROOM

O READING ROOM

O TV ROOM O PC ROOM

THIRD FLOOR O CORRIDOR AROUND ATRIUM BETWEEN

SMOKE DOORS FOURTH FLOOR

O CORRIDOR AROUND ATRIUM BETWEEN SMOKE DOORS

WHEN ANY SINGLE SMOKE DETECTOR IN THE ATRIUM AREAS IS TRIPPED THE SMOKE EVACUATION SYSTEMS IS ACTIVATED AS FOLLOWS.

 A GENERAL FIRE ALARM IS ACTIVATED. THE TWO SETS OF SLIDING DOORS AT THE FRONT FOYER 150 OPEN TO PROVIDE MAKEUP AIR.

 TWO SETS OF DOUBLE SWINGING EXTERIOR DOORS AT REAR FOYER 156 OPEN TO PROVIDE MAKEUP AIR.

 DOUBLE SWINGING EXTERIOR DOORS NEAR THE PRIVATE DINING 170 OPEN PROVIDING MAKEUP AIR. • SSF-1 LOCATED AT THE KITCHEN MECHANICAL WELL STARTS.

A MOTORIZED DAMPER IN THE DUCTWORK FOR SSF-1 OPENS. SSF-1 PROVIDES 5,000 CFM OF MAKEUP AIR TO THE MULTIPURPOSE ROOM.

TWO SEF-1 FANS LOCATED AT THE CUPOLA START.

ATRIUM SMOKE CONTROL OPERATING SEQUENCE

MECHANICAL CONTRACTOR:

SEE MECHANICAL EQUIPMENT SCHEDULE.

ELECTRICAL CONTRACTOR:

ITEMS LISTED UNDER EACH SUBCONTRACTOR TO BE PROVIDED & INSTALLED BY THAT CONTRACTOR. ALL LINE VOLTAGE WIRING & CIRCUITING SHOWN ON ATRIUM SMOKE CONTROL SCHEMATIC IS BY ELECTRICAL CONTRACTOR.

<u>AUTOMATIC DOOR OPENER</u> - AUTOMATIC OPENING DEVICE FOR DOORS AS INDICATED ON DRAWINGS. PROVIDE CONTACT AS REQUIRED FOR TIE-IN TO ATRIUM SMOKE REMOVAL SYSTEM. PROVIDE LATCHING DEVICES WHERE REQUIRED. ACTIVATE BOTH DOORS ON ALARM

RELAYS - R-1 THRU R-8 SPST, NO. 24V COIL. 10 AMP 110V CONTACTS. HONEYWELL R4222. R-2/R3 SPST, NC. 24V COIL. 10 AMP, 110V CONTACTS. HONEYWELL R4222B1082.

WHEN A SMOKE DETECTOR IN THE ATRIUM AREA ACTIVATES A SIGNAL IS SENT TO THE FIRE ALARM CONTROL PANEL (FACP).

THE (FACP) SENDS A 24v DC SIGNAL TO RELAYS, R-1 THRU R-8.

RELAYS R-1 THRU R-5 ACTIVATE THE DOOR OPENERS FOR FIVE SETS OF DOUBLE DOORS -TWO AT THE ENTRANCE FOYER, TWO AT THE REAR FOYER, AND ONE NEAR THE PRIVATE

RELAY R-6 OPENS SSF-1 OUTSIDE AIR DAMPER.

RELAY R-7 ACTIVATES THE ATRIUM SMOKE FANS (SSF-1). R-7 IS JUST BELOW THE SSF-1 MAGNETIC STARTER.

RELAY R-8 ACTIVATES THE TWO ATRIUM SMOKE FANS (SEF-1). R-8 IS JUST BELOW THE SEF-1 MAGNETIC STARTER.

FIRE SPRINKLER CONTRACTOR:

SPRINKLERS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 AND 13R AS SPECIFIED ON COVER SHEET AND ALL JURISDICTIONS HAVING AUTHORITY.

FIRE ALARM CONTRACTOR:

FIRE ALARM PANEL AND DETECTORS - SEPARATE ATRIUM ZONE. PROVIDE SIGNAL TO CLOSE RELAY R-1-R-8 ON ACTUATION OF ANY ATRIUM DETECTORS. ALL DETAILS PER NFPA 72.

MAKE-UP AIR

FOYER 150

4

FROPENT DOOR

TV ROOM MAKE-UP AIR CNTL DAMPERS

SSF-1

CNTL DAMPER

4

4

ATRIUM

EXHAUST FAN

SEF-1-3

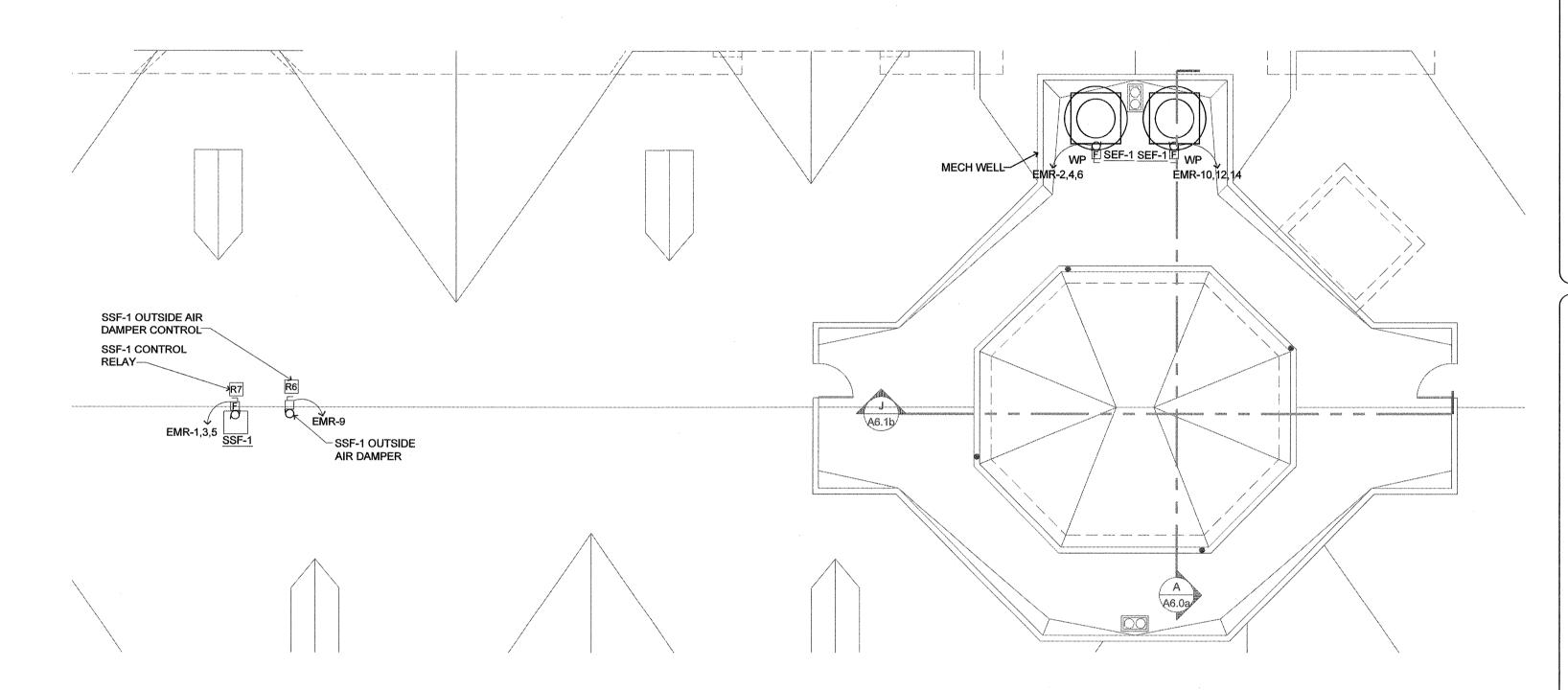
(FUTURE)

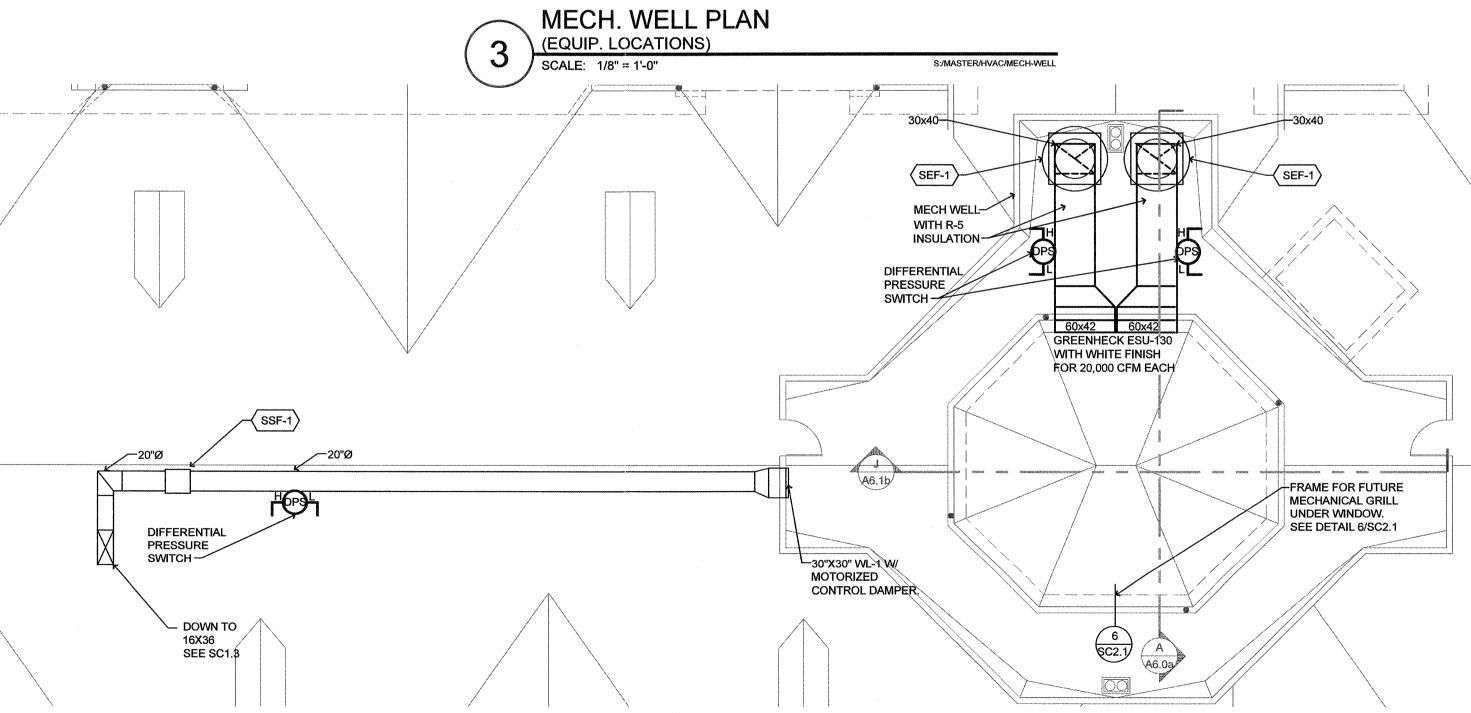
NOTE:

PENETRATIONS OF AREA SEPARATION WALLS SHALL BE PROTECTED WITH THROUGH PENETRATION FIRE STOPS AND MEMBRANE PENETRATION FIRE STOPS.

ALL WIRING REGARDLESS OF VOLTAGE SHALL BE FULLY ENCLOSED WITHIN CONTINUOUS RACEWAY.

EQUIPMENT SCHEDULE		
DESIG.	DESCRIPTION 5	ELECTRICAL
SEF-1	WEATHERPROOF UTILITY FAN (SMOKE RATED) ON ROOF CURB 25,000 CFM @ 0.75" S.P. GREENHECK TAUB-48 CUBE BELT DRIVE UPBLAST CENTRIFUGAL FAN. PROVIDE WITH 14" HIGH FACTORY CURB. UL SMOKE RATED WITH BACKDRAFT DAMPER.	208V/3Ø 7-1/2 HP
SSF-1	BELT DRIVE IN-LINE SUPPLY FAN: 5,000 CFM @ 1.5" ESP WITH WEATHER HOUSING. GREENHECK BSQ-180.	208V/3Ø 3 HP

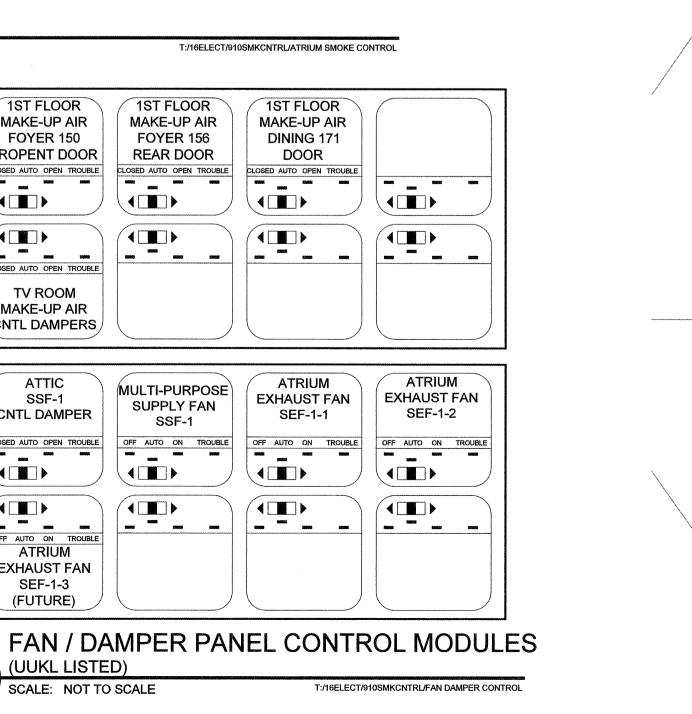


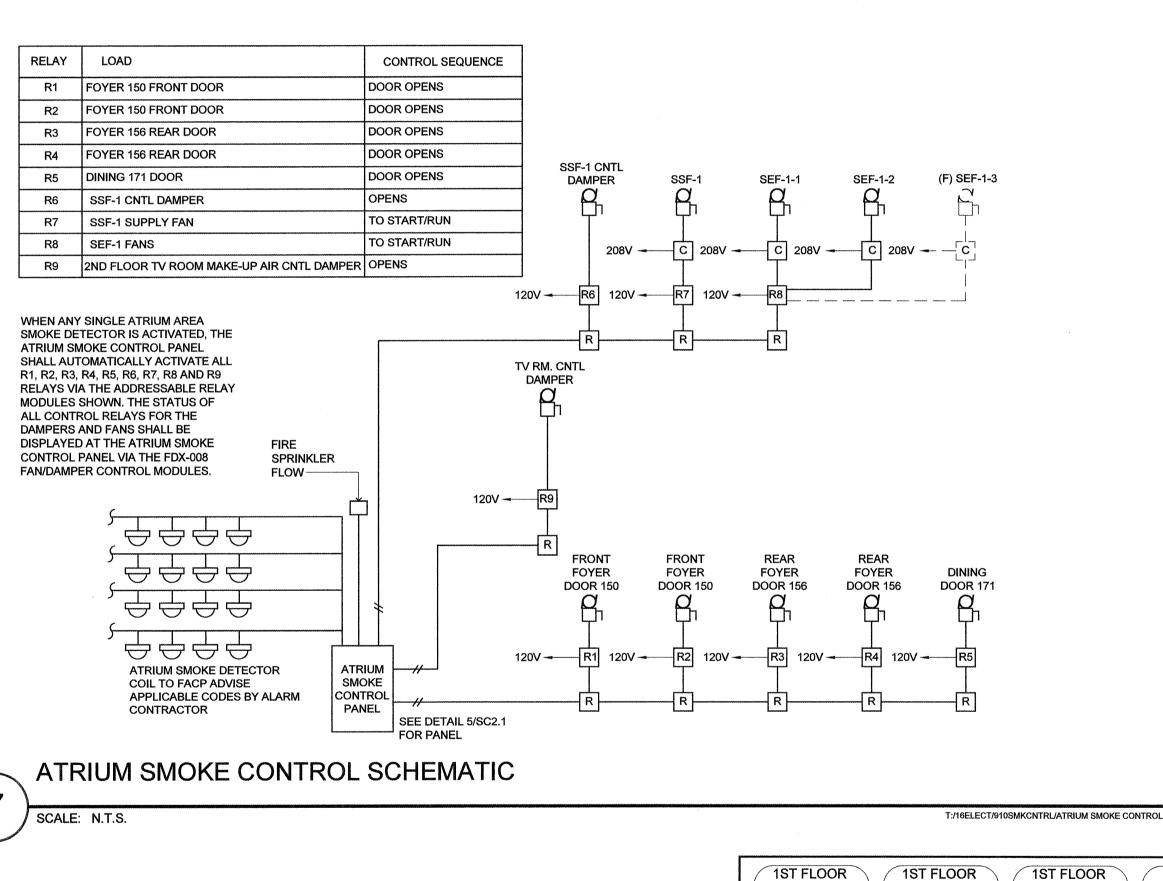


MECH. WELL PLAN

(EQUIP. LOCATIONS)

SCALE: 1/8" = 1'-0"





WINDOW HEADER-STUD-WINDOW -**FUTURE** MECHANICAL **GRILL UNDER** - AT LOCATION OF FUTURE WINDOW PER MECHANICAL GRILL, PROVIDE 2x MECHANICAL FRAMING AT 16" O.C. AND COVER PLANS-WITH SHT'G AT EXTERIOR AND GYP AT INTERIOR -PROVIDE SUPPORT FRAMING UNDER FUTURE MECHANICAL

CUPOLA MECHANICAL WELL (WINDOW FRAMING AT FUTURE EQUIPMENT)

SCALE: NOT TO SCALE

T:/16ELECT/910SMKCNTRL/FAN DAMPER CONTROL

(4 **1**)

▲ ■ ▶

ATRIUM

SEF-1-2

4 • •

4 1 1

1ST FLOOR

MAKE-UP AIR

DINING 171

DOOR

EXHAUST FAN

4

4

MAKE-UP AIR

FOYER 156

REAR DOOR

MULTI-PURPOSE

SUPPLY FAN

4

4

4

PORT
RETIREMENT
802 OCEAN AVE. POF

8/28/2015

REVISED DATE

1 9/22/2015

2 2/2/2016

<u>/5\7/18/2016</u>

SHEET