FIRE ALARM SYSTEM NOTES

THE LICENSED FIRE ALARM CONTRACTOR SHALL DO ALL FIRE ALARM WIRING AND DEVICE INSTALLATION. E.C. IS TO RUN CONDUIT FOR DEVICES AND INSTALL JUNCTION BOXES. SEE FIRE ALARM LEGEND THIS SHEET FOR DEVICES. COORDINATE W/ LANDLORD F.A. CONTRACTOR (IF APPLICABLE). THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTALS, DRAWINGS, FEES, LOCAL CODE AND LANDLORD REQUIREMENTS, DEVICES, WIRING, PANEL REPROGRAMMING, ANY ADDITIONAL SYSTEM REQUIREMENTS, TESTING, ETC. FOR A COMPLETE AND OPERABLE SYSTEM. VERIFY EXISTING CONDITIONS AND TYPE OF SYSTEM IN FIELD. MOUNT ANY REMOTE TEST STATIONS IN BACK OF HOUSE AREAS.

THE CONTRACTOR SHALL PREPARE AND SUBMIT ALL DRAWINGS AND SUPPORT MATERIAL REQUIRED BY THE FIRE MARSHAL FOR HIS APPROVAL.

THE CONTRACTOR SHALL DO ALL COORDINATION WORK WITH THE FIRE MARSHAL TO GET HIS FINAL APPROVAL.

THE CONTRACTOR SHALL MAKE ALL REVISIONS REQUIRED BY THE FIRE MARSHAL FOR THE ANNUNCIATOR AT NO ADDITIONAL COST TO THE OWNER.

THE CONTRACTOR SHALL PROVIDE UNIT PRICES FOR PROVIDING, INSTALLING, AND CONNECTING ANY ADDITIONAL DEVICES REQUIRED BY THE FIRE MARSHALL IN HIS BID PROPOSAL. IF NO UNIT PRICES ARE PROVIDED, ANY ADDITIONAL DEVICES REQUIRED BY THE FIRE MARSHALL SHALL BE PROVIDED, INSTALLED, AND CONNECTED AT NO ADDITIONAL COST TO THE OWNER.

CONTRACTOR SHALL COORDINATE EXACT NUMBER AND LOCATION OF DEVICES WITH FLOOR PLANS.

THE CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR FOR DUCT DETECTOR REQUIREMENTS.

AUDIBLE/VISUAL DEVICES LOCATED TO ACCOMPLISH AUDIO/VISUAL COVERAGE AS NFPA 72.

FIRE ALARM SHALL BE SOLID COPPER CONDUCTORS. STRANDED WIRE SHALL NOT BE ALLOWED. WIRE INSTALLATION SHALL BE IN STRICT ACCORDANCE TO MANUFACTURER'S PUBLISHED INSTALLATION RECOMMENDATIONS AND ARTICLE 760 OF THE N.E.C.

MINIMUM WRING SIZE TO BE AWG#16 OR LARGER, AND FOR INDICATING CIRCUITS SHALL BE AWG#14 OR LARGER
POSITIVE WIRES SHALL BE COLORED – RED
NEGATIVE WIRES SHALL BE COLORED – BLACK

10. INITIATING CIRCUIT IS SHIELDED. NO WRING OTHER THAN THAT INITIATING AND INDICATING CIRCUITS SHALL UTILIZE THE SAME RACEWAY UNLESS THE IT IS DIRECTLY ASSOCIATED WITH THE FIRE ALARM SYSTEM, SHALL BE PERMITTED IN FIRE ALARM RACEWAYS.

11. FIRE ALARM CONDUITS SHALL BE IDENTIFIED WITH RED MARKING EVERY TWENTY FEET.

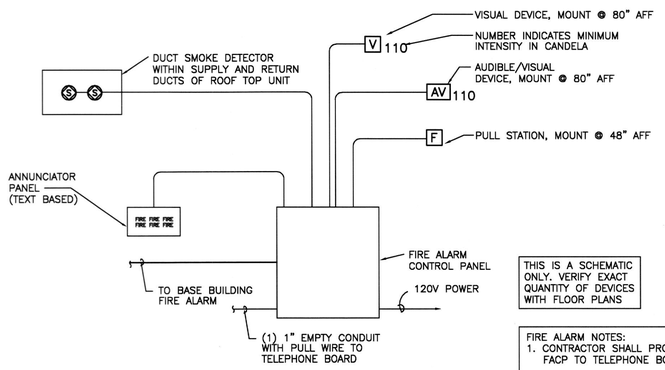
12. SYSTEM REACCEPTANCE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 72 AND THE FIRE MARSHAL'S REQUIREMENTS.

13. COMPLIANCE WITH ADA SECTION 4.28 FOR AUDIBLE AND VISUAL ALARM SHALL BE ENFORCED.

14. MINIMUM WRING SIZE FOR INITIAL CIRCUITS SHALL BE AWG #16 OR LARGER.

15. JUNCTION AND PULL BOXES FOR FIRE ALARM SHALL BE PAINTED RED. JUNCTION AND PULL BOXES SHALL BE SIZED ACCORDING TO THE N.E.C.

16. SUSPEND/ MOUNT FIRE ALARM DEVICES FROM STRUCTURE IN CLEARLY VISIBLE LOCATION, FIELD VERIFY EXACT LOCATION AND REQUIREMENTS



THIS IS A SCHEMATIC ONLY. VERIFY EXACT QUANTITY OF DEVICES WITH FLOOR PLANS

FIRE ALARM NOTES:
1. CONTRACTOR SHALL PROVIDE WIRING FROM FACP TO TELEPHONE BOARD AS REQUIRED.
2. FIRE ALARM SHALL BE AN ADDRESSABLE SYSTEM.
3. CONNECT NEW SYSTEM TO EXISTING BASE BUILDING FIRE ALARM SYSTEM AS REQUIRED.

FIRE ALARM PLANS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL TO THE LOCAL FIRE DEPARTMENT & OFFICE OF BUILDING INSPECTION. THE PLANS SHALL INDICATE THE LOCATION AND NUMBER OF ALL ALARM DEVICES, AND SHALL PROVIDE A DESCRIPTION OF ALL EQUIPMENT TO BE USED, PROPOSED ZONING, A LIST OF AUXILIARY CONTROL FUNCTIONS, LOCATION OF THE CONTROL PANEL(S) AND ANNUNCIATOR(S) AND A COMPLETE SEQUENCE OF OPERATION FOR THE SYSTEM. UPON COMPLETION, BUILDING AND FIRE DEPARTMENT PERSONNEL SHALL WITNESS A TEST OF THE NEW DEVICES.

LANDLORD FIRE ALARM NOTES:

PRIOR TO BID THIS TENANT IS TO CONTACT MALL OPERATIONS AND THE LOCAL AUTHORITIES TO VERIFY ALL FIRE ALARM REQUIREMENTS.

UTILIZE LANDLORD APPROVED CONTRACTOR TO TIE IN TO MALLS FIRE ALARM AT TENANTS EXPENSE. TENANTS FIRE ALARM PANEL AND SMOKE DETECTORS MUST COMPLY WITH COMPLY WITH MALL AND AHJ CRITERIA.

City of Houston Texas

18076069

REVIEWED FOR COMPLIANCE

Performance of this review does not relieve the applicant from full responsibility to comply with all applicable codes, ordinances and regulations. 10/29/18

FIRE ALARM SYMBOLS

DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
FACP	FIRE ALARM DETECTION CONTROL PANEL
FAAP	FIRE ALARM DETECTION ANNUNCIATOR PANEL
F	FIRE ALARM MANUAL STATION. MOUNTING HEIGHT TO CENTERLINE ABOVE FINISHED FLOOR 4'-0"
S	SMOKE DETECTOR – FURNISHED UNDER ELECTRICAL – INSTALLED AND CIRCUITRY BY ELECTRICAL CONTRACTOR
DD	DUCT SMOKE DETECTOR – FURNISHED AND INSTALLED UNDER MECHANICAL – CIRCUITRY BY ELECTRICAL CONTRACTOR
CD	DENOTES STROBE CANDELA INTENSITY
	HOOD FIRE SUPPRESSION SYSTEM STRIKE STATION

FIRE SEAL NOTES

A. COMBUSTIBLE PENETRATIONS SHALL BE PROTECTED WITH SPEC SEAL INTUMESCENT COLLAR OR APPROVED EQUAL.

B. NON-COMBUSTIBLE PENETRATIONS SHALL BE PROTECTED WITH SPEC SEAL SERIES 100 SEALANT OR APPROVED EQUAL.

C. ALL SEALS SHALL BE IN COMPLIANCE WITH SECTION 300-21 OF THE NATIONAL ELECTRICAL CODE

FIRE MARSHALL NOTE

WHEN A FIRE ALARM SYSTEM IS REQUIRED BY THE NEC 2006IBC, FIRE ALARM DESIGN PLANS SHALL BE SUBMITTED TO THE CITY OF HOUSTON FOR APPROVAL PRIOR TO INSTALLATION AND THE INSTALLATION MUST BE APPROVED BEFORE THE CERTIFICATE OF OCCUPANCY MAY BE ISSUED.

HOOD FIRE PROTECTION NOTES:

ELECTRICAL CONTRACTOR SHALL PROVIDE HOOD FIRE PROTECTION RELAYS FOR EACH HOOD CONTAINING FIRE PROTECTION. RELAYS SHALL PROVIDE THE FOLLOWING FUNCTIONS:

1. START HOOD EXHAUST FAN
2. STOP HOOD SUPPLY FAN (MAKE-UP)
3. OPERATE SHUNT TRIP C/B'S AS DESIGNATED
4. OPERATE GAS SOLENOID VALVE

RELAYS SHALL BE CONTROLLED BY THE HOOD FIRE PROTECTION ACTUATING SYSTEM. CONTRACTOR SHALL INTERLOCK HOOD EXHAUST FANS WITH MAKE- UP FAN. SEE HOOD DRAWINGS FOR FIRE PROTECTION REQUIREMENTS.

STATE OF TEXAS
JAMES B. WYBLE
129510
LICENSED PROFESSIONAL ENGINEER
8-30-18

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OUZO BAY/ LOCH BAR HOUSTON

4444 WESTHEIMER RD, HOUSTON, TX 77027

PROJECT NO. JBW17108

I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF TEXAS.
PE. LICENSE #: 129510, EXPIRATION DATE: DECEMBER 31, 2018
FIRM LICENSE #: F19615, EXPIRATION DATE: MARCH 31, 2019

REV	DATE	ISSUED FOR
	05/16/2018	PROGRESS SET
	06/11/2018	PERMIT SET
1	08/30/2018	PERMIT COMMENTS

REV	DATE	ISSUED FOR

OUZO BAY/ LOCH BAR
FIRE ALARM NOTES AND SYMBOLS

F.01

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