REVIEWED FOR CODE COMPLIANCE

DATE 04/04/18 by: Building Official

PERMIT NO. BLD2017-08812

ADDRESS 7012 MUNICIPAL DR

CONTRACTOR HARBCO GENERAL CONTRACTORS INC

NOTE: Permit issuance based on information to violate applicable codes
Keep this plan on site at all times

CITY OF ORLANDO
PERMITTING SERVICES DIVISION

FIRE RISER DIAGRAM

NTS

FIRE ALARM DEVICE LEGEND

	DESCRIPTION	COMMENT/PRODUCT ID	BACKBOX REQUIREMENT	MOUNTING HEIGHT
FACP	FIRE ALARM CONTROL PANEL	NOTIFIER FIREWARDEN 50	PROVIDED	72" TO TOP OF ENCLOSURE
P	FIRE ALARM PULL STATION	NOTIFIER NOTBG-12LX	C	48" TO CENTER OF BOX
S	SMOKE DETECTOR	NOTIFIER NP-100	B	WHERE SHOWN ON DRAWINGS
	WALL MOUNTED HORN STROBE	SYSTEM SENSOR P2RL	C	80" ABOVE FINISHED FLOOR OR 6" BELOW CEILING TO TOP OF BOX WHICHEVER IS LOWER
	WALL MOUNTED STROBE	SYSTEM SENSOR SRL	C	80" ABOVE FINISHED FLOOR OR 6" BELOW CEILING TO TOP OF BOX WHICHEVER IS LOWER
	CEILING MOUNTED HORN STROBE	SYSTEM SENSOR PC2RL	C	BELOW 22' ATTACHED TO BOTTOM OF BEAMS
FPS	FIRE ALARM POWER SUPPLY	NOTIFIER FCPS-24S8	PROVIDED	80" ABOVE FINISHED FLOOR OR 6" BELOW CEILING TO TOP OF BOX WHICHEVER IS LOWER
ANN	FIRE ALARM REMOTE ANNUCIATOR PANEL	NOTIFIER N-ANN-80	C	60" ABOVE FINISHED FLOOR TO CENTER
S	DUCT MOUNTED SMOKE DETECTOR	NOTIFIER DNR	PROVIDED	TO DUCT WORK
R	CONTROL RELAY	NOTIFIER NP-100R	C	WITHIN 3' OF DEVICE TO BE CONTROLLED

BACKBOX LEGEND

A – 4" BOX 2-1/8" DEEP
B – 4" BOX WITH ROUND RING OR OCTAGON BOX
C – 4" BOX 2-1/8" DEEP WITH SINGLE GANG RING
D – 4" BOX ADJACENT FLEX TO DEVICE
E – 4" BOX 2 1/8" DEEP WITH BLANK PLATE

FIRE ALARM SYSTEM SEQUENCE OF EVENTS

SYSTEM OUTPUTS — FACP ANNUNCIATION / NOTIFICATION / REQUIRED FIRE SAFETY CONTROL

SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
1 FIRE ALARM SYSTEM AC POWER FAILURE			X	X							X												1
2 FIRE ALARM SYSTEM LOW BATTERY						X	X					X											2
3 OPEN CIRCUIT						X	X					X											3
4 GROUND FAULT						X	X					X											4
5 MANUAL PULL STATION		X						X	X	X	X												5
6 SMOKE DETECTOR		X						X	X	X	X												6
7 SMOKE DETECTOR			X					X		X		X				X					X		7

SITE PLAN

N

GENERAL NOTES

1. ALL DETECTION, CONTROL AND NOTIFICATION COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 70 (2011 EDITION), FLORIDA BUILDING CODE, (2010 Edition), FLORIDA FIRE PREVENTION CODE, (5TH EDITION), NFPA 101 LIFE SAFETY (2012 EDITION) AND 72 (2010 EDITION)
2. PULL STATIONS SHALL BE MOUNTED SECURELY, WITH THE OPERABLE PART OF EACH DEVICE NOT LESS THAN 42" NOR MORE THAN 54" AFF, AS REQUIRED BY NFPA 72 5.12.4. NORMAL MOUNTING HEIGHT IS 48" AFF.
3. WALL-MOUNTED AUDIO AND VISUAL DEVICES SHALL BE INSTALLED WITH THEIR BOTTOMS NOT LESS THAN 80" NOR MORE THAN 96" AFF, AS REQUIRED BY NFPA 72 7.5.4. PER ADA, WALL MOUNTED AUDIO AND VISUAL DEVICES SHALL BE INSTALLED AT 80" AFF OR 6" BELOW THE FINISHED CEILING, WHICHEVER IS LOWER. NORMAL MOUNTING HEIGHT IS 80" AFF.
4. POWER TO THE FIRE ALARM CONTROL PANEL SHALL BE ON A DEDICATED CIRCUIT WITH A LOCKING BREAKER. BREAKER TO BE RED OR MARKED RED; CONNECTION BY OTHERS..
5. THE NOTIFIER NFW-50 AND FCPS-24S8 IS POWER LIMITED ON ALL CIRCUITS EXCEPT BATTERY CONNECTIONS & 120VAC POWER CONNECTIONS.
6. WIRING TO BE OF THE TYPE AND SIZE AS RECOMMENDED BY THE MANUFACTURE (NOTIFIER) WIRING RECOMMENDATIONS IN THE INSTALLATION AND DESIGN MANUAL AS WELL AS FOLLOWING THE NATIONAL ELECTRICAL CODE 2011 EDITION.
7. NOTIFICATION APPLIANCE CIRCUITS TO BE STYLE (Y)CLASS B.
8. STANDBY POWER CALCULATIONS FOR THE DETECTION SYSTEM REFLECT 24 HOURS.
9. ALL SPRINKLER DEVICES SUPPLIED BY OTHERS
10. DITEK SURGE PROTECTION SHALL BE INSTALL ON ALL WIRING THAT GOES UNDERGROUND, ATTACHES TO THE SPRINKLER SYSTEM, ALL HIGH VOLTAGE CONNECTIONS AND ALL NOTIFICATION CIRCUITS.
11. ALL STROBE DEVICE CANDELAS ARE INDICATED AT EACH INDICATING DEVICE.

SCOPE OF WORK:

INSTALLATION OF A COMPLETE FIRE ALARM SYSTEM. THE SYSTEM SHALL MONITOR THE FIRE SPRINKLER SYSTEM FOR VALVE CLOSURES AND WATER FLOW ACTIVITY. MANUAL PULL STATIONS SHALL BE INSTALLED AT ALL EXITS. DUCT DETECTORS SHALL BE INSTALLED IN THE HVAC UNITS PER NFPA 90A AND RELAYS SHALL BE INSTALLED AT EACH HVAC UNIT TO PROVIDE GLOBAL SHUTDOWN OF SMOKE PRESENCE INSIDE ANY SYSTEM. THE SYSTEM SHALL INCLUDE HORNS AND STROBES THROUGHOUT ALL COMMON AREAS, CONFERENCE ROOMS, WAREHOUSE, REST AND BREAK ROOMS AS WELL AS CORRIDORS. THE SYSTEM SHALL INCLUDE A REMOTE ANNUNCIATOR AT THE MAIN ENTRANCE. THE SYSTEM BE MONITORED BY MEANS OF BUILT IN DACT UTILIZING PROVIDED POTS PHONE LINES.

REV 1:

COMMENT 1- PLEASE REVISE PLANS TO INDICATE VISIBLE NOTIFICATION FOR AREA NORTH OF EAST SIDE PALLET STORAGE.

RESPONCE - ADDED DEVICES 2.11 AND 2.12 ON SHEET FA-1 IN EAST SIDE PALLET STORAGE AREA.

COMMENT 2- PLEASE REVISE PLANS TO INDICATE VISIBLE NOTIFICATION FOR PRAYER ROOM 124 AND WAREHOUSE STAFF OFFICE 125.

RESPONCE - ADDED DEVICES 4.1 TO PRAYER ROOM AND 4.2 TO WAREHOUSE STAFF OFFICE ON SHEET FA-2.

JORGE J. SALGADO LICENSE No 53600 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jorge J Salgado
This item has been electronically signed and sealed by Jorge J. Salgado, P.E. using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
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JJ CONSULTING GROUP, INC.
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2001 TIZEWELL CIRCLE
#1509
ORLANDO, FL 32837

ait life safety
SINGLE SOURCE SOLUTION
FIRE ALARM•SPRINKLER•SECURITY

NO.	DATE	REVISION DESCRIPTION	BY
	12/11/17	G.C./A.H.J. SUBMITTAL	AW
1	3/6/2018	AHJ COMMENTS	AW

LOCATION/PROJECT

OCEAN AIR ENTERPRISE
NEW WAREHOUSE AND OFFICE
7012 MUNICIPAL DRIVE, ORLAND, FL 32819

FIRE ALARM RISER PLAN

REVISION	SYSTEM NUMBER	JOB NUMBER	DRAWING NUMBER
0	SYSTEM #1		FA-3 OF 3