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## NFPA LIFE SAFETY DATA

FLORIDA FIRE PREVENTION CODE, SEVENTH EDITION INCLUDING NFPA, 1 FIRE CODE AND NFPA 101, LIFE SAFTEY CODE, 2018 EDITION

NEW AIRCRAFT HANGAR STORAGE OCCUPANCY CHAPTER 42 ORDINARY HAZARD BUILDING IS NOT FULLY SPRINKLERED

NFPA 42.6 SPECIAL PROVISIONS FOR AIRCRAFT HANGARS

2 MEANS OF EGRESS REQUIRED FROM ALL AIRCRAFT HNAGAR AREAS.

EXITS FROM AIRCRAFT STORAGE AREASSHALL BE AT INTERVALS NOT EXCEEDING 150 FT.

HORIZAONTAL EXITS AT FIRE BARRIERS SHALL NOT EXCEED 100 FT. SPACING.

"SMASH DOORS" NOT APPLICABLE

MEZZANINES NOT APPLICABLE.

DEAD ENDS SHALL NOT EXCEED 50 FT. FOR NON HIGH HAZARD AREAS.

MAXMUM COMMON PATH OF TRAVEL- ORDINARY HAZARD, UN-SPRINKLERED = 50 FT

DEAD END 50 FT. MAX.

MAXIMUM TRAVEL DISTANCE TO EXITS ORDINARY HAZARD, UNSPRINKLERED=200 FT MAX

UNPROTECTED VERTICAL OPENINGS NOT APPLICABLE

INTERIOR WALL AND CEILING FINISHES-PER REQUIREMENTS

DETECTION ALARM & COMMUNICATION NOT REQUIRED

NFPA 409 STANDARD ON AIRCRAFT HANGERS

GROUP III HANGAR TYPE III(200) CONSTRUCTION TYPE PER NFPA 220

HANGAR DOORS LESS THAN 28 FT. HIGH

MAXIMUM FIRE AREA LESS THAN 12,000 S.F.

BUILDING UNSPRINKLERED AS ALLOWED AS ORDINARY HAZARD PER FBC 412.4.6.1

## FLORIDA BUILDING CODE DATA

FLORIDA BUILDING CODE 2020- SEVENTH EDITION

USE AND OCCUPANCY S-1 AIRCRAFT STORAGE HANGAR
CHAPTER 3

SPECIAL DETAILED REQUIREMENTS BASED ON USE & OCCUPANCY
CHAPTER 4- 412- AIRCRAFT RELATED SPECIAL REQUIREMENTS

[F] 412.4.6.1 HAZARDOUS OPERATIONS. ANY GROUP III

AIRCRAFT HANGAR ACCORDING TO TABLE 412.4.6 THAT CONTAINS HAZARDOUS OPERATIONS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING SHALL BE PROVIDED WITH A GROUP I OR II FIRE SUPPRESSION SYSTEM IN ACCORDANCE WITH NFPA 409 AS APPLICABLE.

1. DOPING.
2. HOT WORK INCLUDING, BUT NOT LIMITED TO, WELDING, TORCH CUTTING AND TORCH SOLDERING
3. FUEL TRANSFER.
4. FUEL TANK REPAIR OR MAINTENANCE NOT INCLUDING DEFUELED TANKS IN ACCORDANCE WITH NFPA 409, INERTED TANKS OR TANKS THAT HAVE NEVER BEEN FUELED.
5. SPRAY FINISHING OPERATIONS.
6. TOTALRUEL CAPACITY OF ALL AIRCRAFT WITHIN THE UNSPRINKLERED SINGLE AREA IN EXCESS OF 1,600 GALLONS (6057 L).
7. TOTAL FUEL CAPACITY OF ALL AIRCRAFT WITHIN THE MAXIMUM SINGLE FIRE AREA IN EXCESS OF 7,500 GALLONS (28 390 L) FOR A HANGAR WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

GENERAL BUILDING HEIGHTS AND AREAS
CHAPTER 5- ALLOWABLE HEIGHT TYPE IIIB N.S. 55 FT.

STORIES ABOVE GRADE PLANE S-1, N.S. = 3 MAX

BUILDING AREA, S-1, N.S. = 17,500 SF

AREA MOD. FOR BUILDING D,E,F NOT REQUIRED

TYPE CONSTRUCTION: IIIB

CH 6 FIRE RATED EXTERIOR WALLS S-1 OCC , X IS GREATER THAN

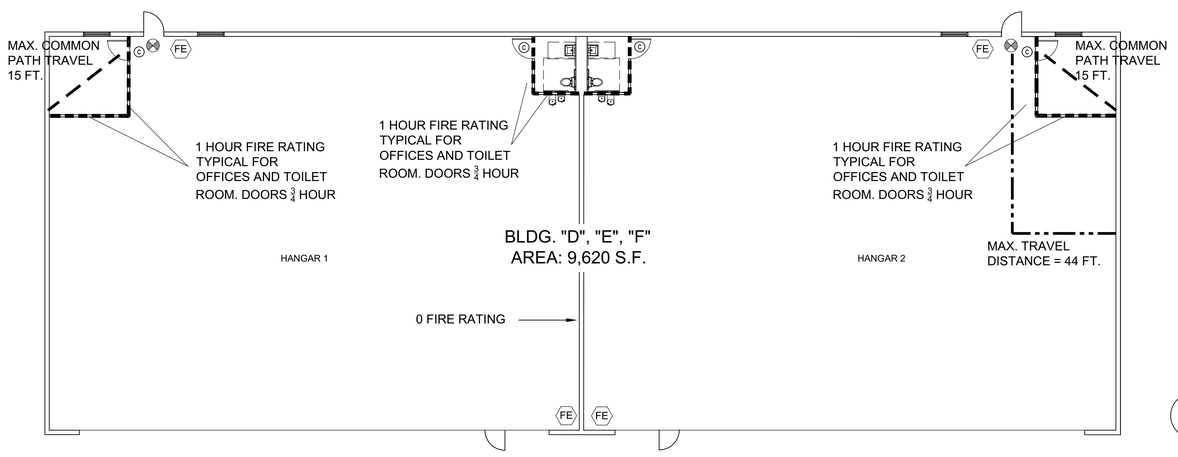
OR EQUAL TO 30 FT ALLOW ZERO HOUR RATED EXT WALLS.

## EMERGENCY RADIO SIGNAL / BI-DIRECTIONAL AMPLIFICATION

ALL BUILDINGS SHALL BE TESTED FOR EMERGENY RADIO SIGNAL STREGTH
AFTER THE SHELL IS CONSTRUCTED. VERIFY WITH MUNICIPALITY FIRE DEPARTMENT FOR TESTING REQUIREMENTS PRIOR TO TESTING. IF THE BUILDING IS FOUND TO REQUIRE A B.D.A. (BI-DIRECTIONAL AMPLIFICATION SYSTEM) OWNER WILL ENGAGE A SPECIALTY ENGINEER TO DESIGN A BOOSTER SYTEM IN FULL ACCORDANCE WITH NFPA 72 AND LOCAL AUTHORITIES HAVING JURISDICTION.

DETAILS OF CONSTRUCTION SUCH AS LOCATION OF HEAD END EQUIPMENT AND CABLE
PATHWAYS VERTICALLY AND HORIZONTALLY SHALL BE SPECIFIED.

THE CONSTRUCTION DRAWINGS WILL INCLUDE PLANNING FOR POSSIBLE BDA EQUIPMENT LOCATION AND CONDUITS. BDA WILL BE IN A TWO HOUR FIRE RATED ROOM NOT LESS
THAN 3'WIDE BY 5' LONG. VERTICAL CABLE CHASES IF NECESSARY WILL NEED TO PROVIDE 2 HOUR FIRE RATING. HORIZONTAL CABLE NEED NOT BE FIRE RATED. CABLE AND EQUIPMENT SHALL NOT BE LOCATED IN STAIRS




B4 BUILDING D,E,F, LIFE SAFETY PLAN
3/32" = 1'-0"

| GENERAL NOTES: |
|---|
| UN-SPRINKLERED |

FIRE RESISTANCE RATING LEGEND

| PARTITION LABEL | DOOR LABEL |
|---|---|
| ZERO HOUR FIRE RATED PARTITION | A NOT USED |
| ONE HOUR FIRE RATED PARTITION | B 90 MIN FIRE LABEL DOOR |
| TWO HOUR FIRE RATED PARTITION | C 45 MIN FIRE LABEL DOOR |
| THREE HOUR FIRE RATED PARTITION | 20 20 MIN FIRE LABEL DOOR |

LEGEND

- TRAVEL DISTANCE PATH
- COMMON PATH
- DEAD-END CORRIDOR
- CLG. MT'D. DIRECTIONAL EXIT SIGN
- WALL MT'D. EXIT SIGN
- FEC FIRE EXTINGUISHER - SEMI-RECESSED CABINET W/ 3A 4BC RATING
- FIRE EXTINGUISHER - WALL MOUNTED W/BRACKET W/ 3A 4BC RATING
- F.D. KEY F.D. KEY BOX LOCATION (VERIFY W/ F.D. MANUF. TYPE KNOX OR SUPRA)
- EMERGENCY LIGHT

EGRESS DATA FBC S-1 OCC

| OCCUPANCY LOAD | S-1 | |
|---|---|---|
| MAX. TRAVEL DISTANCE TO EXIT (FT) | 200' | |
| MAX. DEAD END CORRIDOR | 20' | |
| MIN. CORRIDOR WIDTH | 44" | |
| MIN. CLEAR OPENING | 32" | |
| MAX. COMMON PATH (FT) | 50' | |

OCCUPANCY LOAD SUMMARY FBC CH 10

OCCUPANCY CLASSIFICATION: GROUP S-1

CAPACITY PER F.B.C 1004.5 AIRCRAFT HANGARS 1 PER 500 GROSS

EAXH HANGAR IS 5600 SF THEREFORE OCCUPANT LOAD IS
5600 / 500= 11.2 THERFORE 13 PEOPLE EACH BAY.

INTERIOR FINISH CLASSIFICATION LIMITATIONS

OCCUPANCY S-1 UN-SPRINKLERED

| WALL AND CEILING | EXITS | CORRIDORS | OTHER SPACES |
|---|---|---|---|
| | B | B | C |

CLASS A- FLAME SPREAD 0-25
CLASS B- FLAME SPREAD 26-75
CLASS C- FLAME SPREAD 76-200

| FLOORS | CLASS I OR II ARE PERMITTED |
|---|---|

CLASS I - CRITICAL RADIANT FLUX, NOT LESS THAN 0.45 W/cm2
CLASS II- CRITICAL RADIANT FLUX, NOT LESS THAN 0.22 W/cm2 BUT NOT LESS THAN 0.45

LIFE SAFETY SYMBOLS

- COMMON PATH OF TRAVEL
- DEAD END
- MAXIMUM TRAVEL DISTANCE
- EXIT SIGNS, WITH OR WITHOUT DIRECTION ARROWS
- EMERGENCY LIGHTS
- FIRE EXTINGUISHERS DISTRIBUTED PER REQUIREMENTS ON ALL LEVELS. — FE FIRE EXTINGUISHER 2A-10B:C 5 LB.

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WILLIAM J. GALLO FL AR0008440
Brian Herbert
Digitally signed by Brian Herbert
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BRIAN P. HERBERT FL AR0015474

PROJECT
POMPANO BEACH AIR PARK PARCEL Y

601 NE 10TH ST.
POMPANO BEACH
FL 33060
OWNER

POMPANO BEACH

COMPANY NAME
REVISIONS

| No. | Description | Date |
|---|---|---|
| | D.R.C. SUBMITTAL | 2022-06-28 |

PROJECT STATUS
D.R.C.
DATE
2021-03-24
PROJECT NUMBER
83-2020
SCALE
AS SHOWN
DRAWN BY JET
CHECKED BY JET
DRAWING TITLE
BLDG. "D"E"F" LIFE SAFETY PLAN
DRAWING NUMBER
DEF-A102

P&Z
PZ22-12000020
11/16/2022