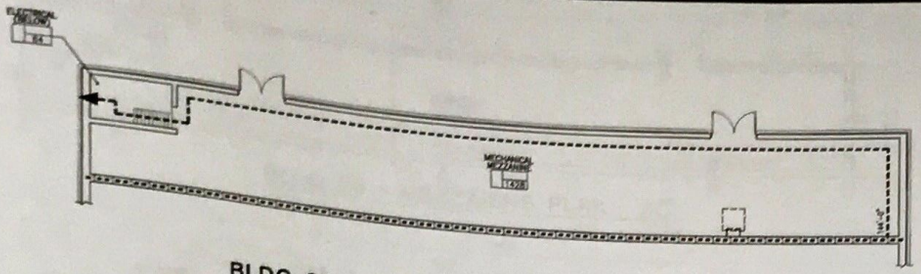
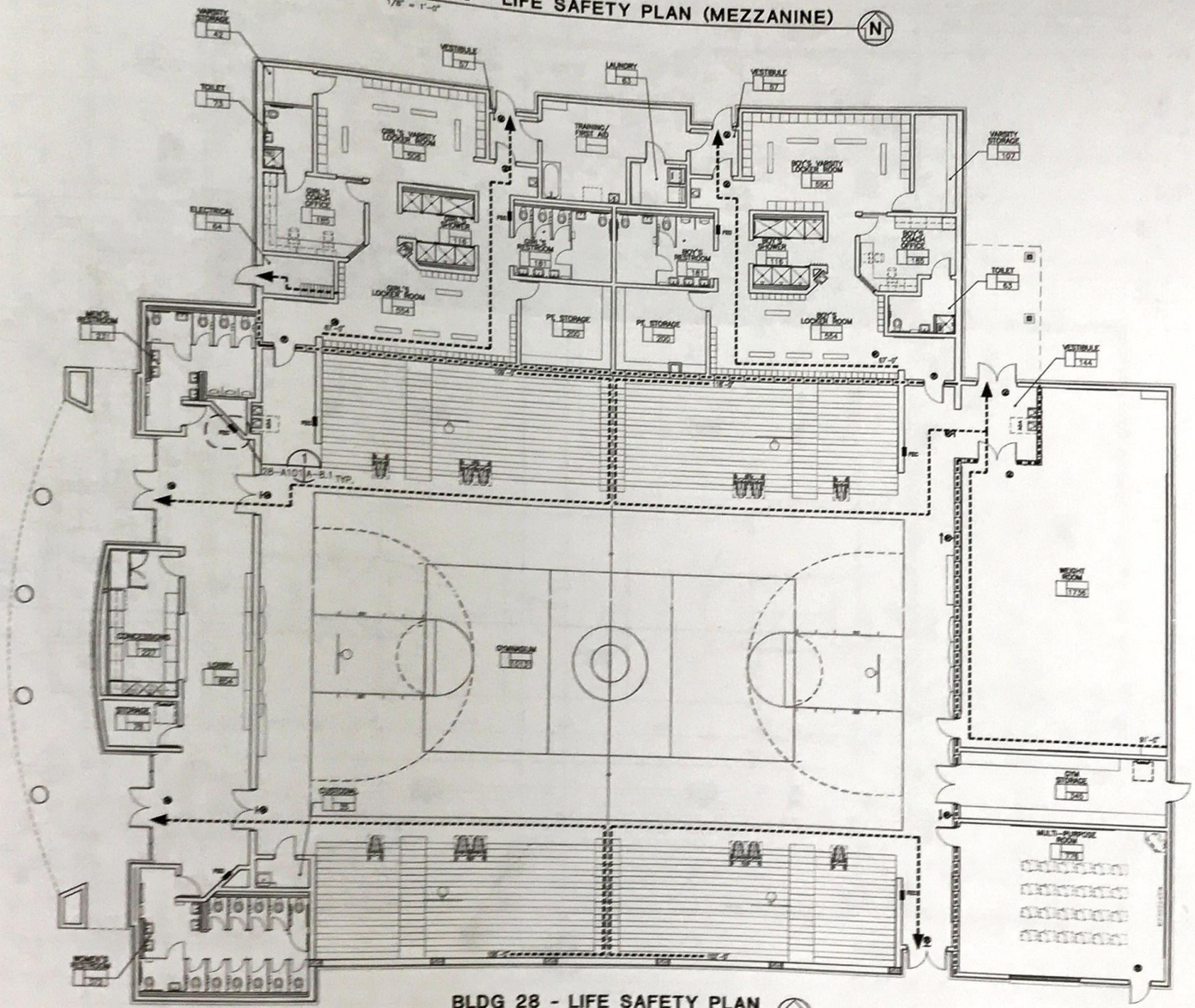


BLDG 28 - LIFE SAFETY PLAN (MEZZANINE)

1/8" = 1'-0"



BLDG 28 - LIFE SAFETY PLAN

1/8" = 1'-0"

LIFE SAFETY KEY

ROOM NAME — CLASSROOM — REQUIRED AREA
DESIGN CAPACITY — 100 — ACTUAL AREA

INDICATES MAIN EGRESS AND TRAVEL DISTANCE TO EXIT

1 HOUR RATED WALL

- HORN AND STROBE
- HEAT DETECTORS
- FIRE ALARM PULL STATION
- EXIT LIGHT
- FE — FIRE EXTINGUISHER BRACKET MOUNT
- STROBE
- FIRE ALARM SMOKE DETECTOR
- FEC — FIRE EXTINGUISHER CABINET

CODE DATA BUILDING 28

CODE DATA BUILDING 28 – GYMNASIUM

Allowable Building Height and Area: (FBC Table 506)

Building Number	Occupancy Classification	Type of Construction	Calculation Information	Actual Stories	Allowable Stories	Allowable Area per Floor	Area Increase Factor	Total Allowable Area per Floor	Total Area (Actual Area per Floor)
28	Gymnasium	Type IV	Unprotected, sprinkled	1	3+ Mezzanine	34,000	59%	39,060	21,000

Type IV is construction in which the structural members including exterior walls, interior bearing walls, columns, beams, girders, trusses, arches, floors, and roofs are of non-combustible materials. Type IV construction may be protected or unprotected. Fire resistance requirements for structural elements of Type IV construction shall be as specified in Table 602.

Sprinkler system is not provided.

Building Occupancy Calculations: FBC Table 1003.1

Room	Function	Net Area Provided	Area per Occupant	Occupancy Load	Occupancy Load per Floor	Total Occupancy
1	Gymnasium (Weather exits) Locker Room	2366	15	960 150	1119	1119

Building Egress Calculations:

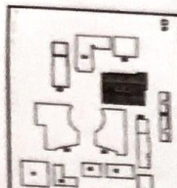
Room	Function	Occupancy Load	Net Area Provided	Actual Egress Width Provided	Width Factor Required	Width Factor Provided	Total Occupancy
1	Gymnasium Locker Rooms	960 159	960 x 15.0 = 1967 159 x 15.0 = 2385	4 x 66 = 272 4 x 54 = 216			1081 159

Maximum travel distance to exit: 200 ft. per FBC-Table 1004 for sprinkled assembly occupancy
Min. Corridor Width: 44"
Width of exit corridor provided: N/A

Toilet Fixture Calculations: (FPC-2001 Table 405.1)

Fixture counts assume that there are ½ male and ½ female students and faculty. Fixture count is based on Assembly occupancy

Occupancy	Fixture Count								Drinking	
	From Table 1003.1	Male: 1 per 75 Female: 1 per 40		1 per 150		1 per 1000				
		Required		Required		Required		No. Provided	No. Provided	
		M	F	M	F	M	F			
960		7	12	7	12	4	4	6	4	1	4	1 Service Sink



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UMATILLA HIGH SCHOOL
UMATILLA, FLORIDA
LAKE COUNTY SCHOOLS

BLDG 28 - LIFE SAFETY PLAN

NO.	DATE	REVISION	BY	CHK
1				