

### NEW BUILDING # 20 INFORMATION

TWO STORY EDUCATION BUILDING		OCCUPANCY REQUIREMENTS:	
1st FLOOR =	6,778 S.F.	a. EDUCATION:	20 SF PER PERSON
2nd FLOOR =	6,393 S.F.	b. BUSINESS:	100 SF PER PERSON
BRIDGE CONNECTOR =	437 S.F.	c. STORAGE:	300 SF PER PERSON
		d. ASSEMBLY:	7/15 SF PER PERSON
GROSS s.f. (TOTAL) =		13,608 S.F.	
DESIGN:		CONSTRUCTION REQUIREMENTS:	
TYPE IIB CONSTRUCTION		a. STRUCTURAL FRAME:	RATING REQUIRED
SPRINKLERED		b. BEARING WALLS:	RATING REQUIRED
OCCUPANCY: EDUCATION (E)		c. FLOORS:	RATING REQUIRED
PER 606.3 AUTOMATIC SPRINKLER SYSTEM INCREASE: 1 + 200% = 300 SF + 14,500 SF ALLOWABLE FROM TABLE 503 = 45,500 SF TOTAL ALLOWED PER FLR FOR OCCUPANCY PER CODE FROM TABLE 503.		d. FULLY SPRINKLERED:	RATING REQUIRED 1ST & 2ND FLR
LIFE SAFETY SYSTEM:			
Emergency Lighting and Exit Signs	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Fire Alarm and Smoke Detector Systems	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Panic Hardware	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
EXIT REQUIREMENTS:			
Maximum travel distance to exit	20 Feet		
Maximum travel distance to exit (maximum condition)	250 Feet		
Number of exits provided	83 (1)	Total number of people on floor	2 (1)
	76 (2)	number of doors required	2 (2)
	5 (1)		
	2 (2)		

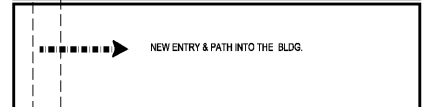
### EXISTING BUILDING #14 INFORMATION

EXISTING BUILDING	
1 - OCCUPANCY CLASSIFICATION - E	
2 - TYPE IIB CONSTRUCTION, SPRINKLERED	
3 - ALLOWABLE BUILDING HEIGHT	SBC = TWO STORIES
4 - ACTUAL BUILDING AREA	20,833 SF

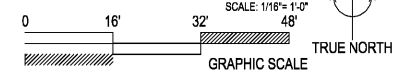
### PLUMBING FIXTURE CALCULATIONS

BUILDING #20 - 1ST FLOOR OCCUPANCY (5-12 YEAR OLDS): 83 OCCUPANTS	
PROVIDED:	MALE 42 FEMALE 41 (1:1)
WATER CLOSET:	1 (1/50) 1 (1/50)
LAVATORIES:	1 (1/50) 1 (1/50)
DRINKING FOUNTAINS (1/500):	2
SERVICE SINK (1):	0 (REQUIRED SERVICE SINK LOCATED ON 2ND FLOOR)
BUILDING #20 - 2ND FLOOR OCCUPANCY (5-12 YEAR OLDS): 77 OCCUPANTS	
PROVIDED:	MALE 38 FEMALE 38 (1:1)
WATER CLOSET:	1 (1/50) 1 (1/50)
LAVATORIES:	1 (1/50) 1 (1/50)
DRINKING FOUNTAINS (1/500):	2
SERVICE SINK (1):	1

### ENTRY & PATH LEGEND



01 LIFE SAFETY SITE PLAN-FIRST FLOOR



NOTED ITEM - SEE PLAN	FIRE SEPARATION DISTANCE (FEET)	FIRE SEPARATION DISTANCE (FEET) ACTUAL	TYPE OF CONSTRUCTION	DEGREE OF OPENING PROTECTION	ALLOWABLE AREA	AREA OF OPENING/ AREA OF WALL	ALLOWABLE AREA ACTUAL	OCCUPANCY/FIRE RESISTANCE RATING	COMMENTS
NOTE A	5 TO LESS THAN 10	6'-7 1/2"	VB	UP,NS	NP	0	0%	E/1	EXIST. 8" CMU WALL ASSUMED 2 HR. FIRE RATING
NOTE A1	0 TO LEASS THAN 3	0'	IB	UP,S	NP	0	0%	E/1	NEW 8" CMU WALL ASSUMED 2 HR. FIRE RATING
NOTE B	15 TO LESS THAN 20	16'-11 3/4"	VB	UP,NS	25%	83 SF/561 SF	14.7%	E/0	
NOTE B1	0 TO LEASS THAN 3	0'	IB	UP,S	NP	0	0%	E/1	NEW 8" CMU WALL ASSUMED 2 HR. FIRE RATING
NOTE C	15 TO LESS THAN 20	18'-5"	VB	UP,NS	25%	83 SF/561 SF	14.7%	E/0	
NOTE C1	0 TO LEASS THAN 3	0'	IB	UP,S	NP	0	0%	E/1	NEW 8" CMU WALL ASSUMED 2 HR. FIRE RATING
NOTE D	20 TO LESS THAN 25	20'-2 3/4"	IB	UP,S	NO LIMIT	NO LIMIT	NA	E/0	
NOTE D1	10 TO LEASS THAN 15	10'-1"	IB	UP,S	45%	381 SF/3291 SF	12%	E/0	
NOTE E	20 TO LESS THAN 25	21'-5"	VB	UP,NS	45%	24 SF/339 SF	7.0%	E/0	
NOTE E1	10 TO LEASS THAN 15	10'-1"	IB	UP,S	45%	361 SF/3291 SF	12%	E/0	

HARVARD JOLLY ARCHITECTURE  
2047 VISTA PARKWAY, SUITE 100 | WEST PALM BEACH, FL 33411 | www.harvardjolly.com | AAC000119

STEM BUILDING  
THE BENJAMIN SCHOOL - LOWER/MIDDLE SCHOOL  
11000 Ellison Wilson Road, North Palm Beach, FL 33408  
CONSTRUCTION DOCUMENTS

Comm. No.:	16117.00	
Date:	10-23-17	
Drawn:	me	
Revisions		
No.	Date	Note

RENÉ TERCILLA AIA, REFP  
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L.S. PLAN

LS1.01

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