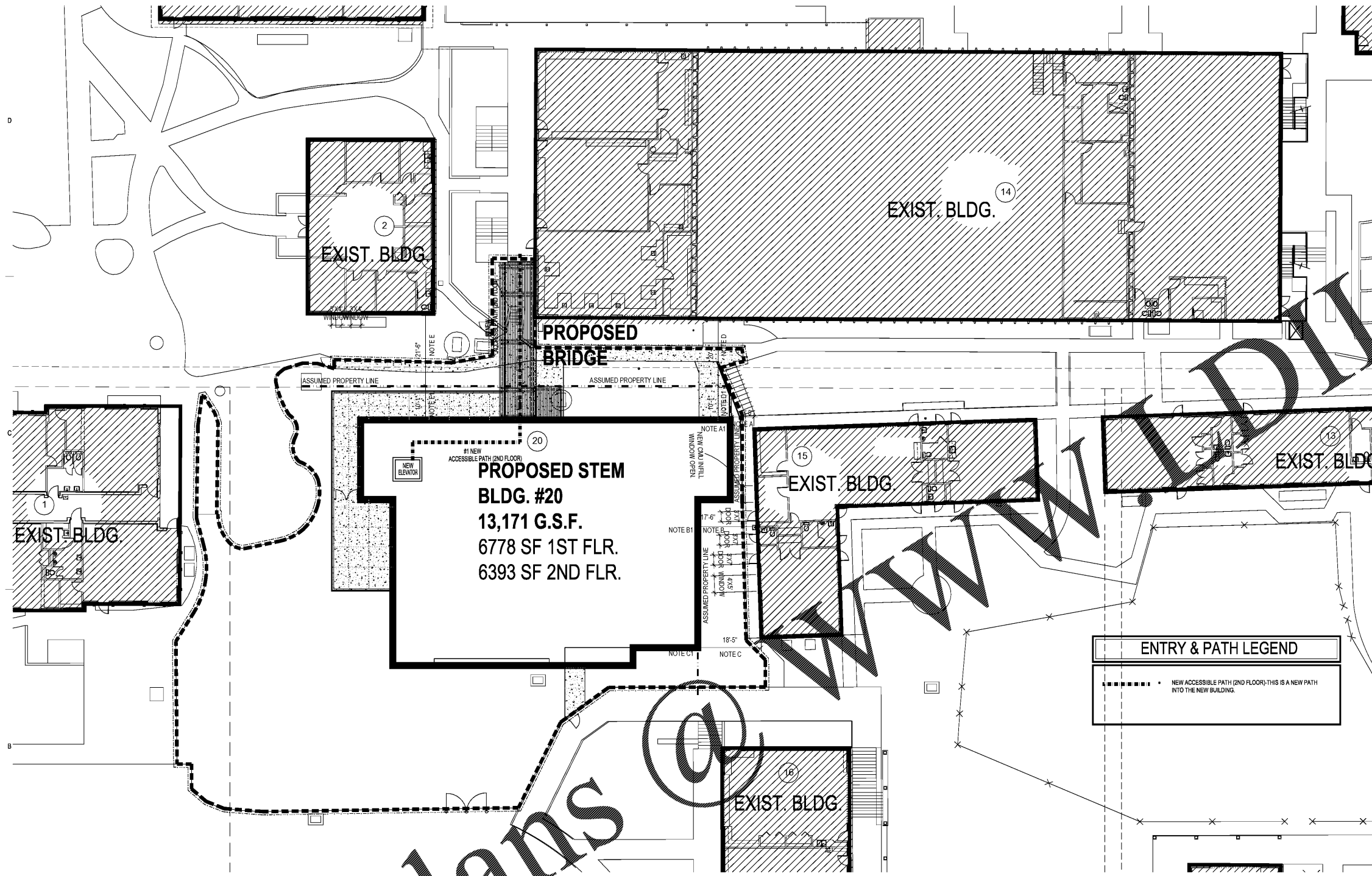


P:\1817_00_Benjamin Lower School New STEM Building\18 Project Development\14 Drawings\Sheet\LS1.DWG, 10/25/2017, 12:03:14 PM, DWG TO PDF, PLOT



NEW BUILDING # 20 INFORMATION

TWO STORY EDUCATION BUILDING		OCCUPANCY REQUIREMENTS:	
1st FLOOR = 6,778 S.F.	BRIDGE CONNECTOR = 437 S.F.	GROSS s.f. (TOTAL) = 13,608 S.F.	
DESIGN:		CONSTRUCTION REQUIREMENTS:	
TYPE IIB CONSTRUCTION		a. STRUCTURAL FRAME: CASTING REQUIRED	
SPRINKLERED		b. BEARING WALLS: CASTING REQUIRED	
OCCUPANCY: EDUCATION (E)		c. FLOOR FINISHING: CASTING REQUIRED	
PER 905.3 AUTOMATIC SPRINKLER SYSTEM INCREASE: 1 + 200% X 14,500 SF = 14,500 SF ALLOWABLE FROM TABLE 503 = 43,800 SF TOTAL ALLOWED PER FLR. FOR MULTIPLE OCCUPANCY PER CODE SECTION TABLE 503.		d. ROOF FINISHING: CASTING REQUIRED	
LIFE SAFETY SYSTEM:		e. FULLY SPRINKLERED: 2ND & 2ND FLR.	
Emergency Lighting and Exit Signs		Yes <input type="checkbox"/> No <input type="checkbox"/>	
Fire Alarm and Smoke Detection Systems		Yes <input type="checkbox"/> No <input type="checkbox"/>	
Panic Hardware		Yes <input type="checkbox"/> No <input type="checkbox"/>	
EXIT REQUIREMENTS:		20 Feet	
Minimum clear width		250 Feet	
Travel distance to exit, maximum condition			
Number of exits		2 (1)	
Occupancy		Total number of people on floor	
83 (1)		2 (2)	
76 (2)		2 (2)	
5 (1)			
2 (2)		, number of doors required	

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	

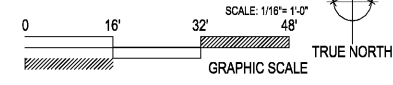
PLUMBING FIXTURE CALCULATIONS

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 39 (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 -2ND 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/961 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/961 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/9281 SF	12%	E/0	
NOTE E	20 TO LESS THAN 25	21'-6"	VB	UP, NS	45%	24 SF/939 SF	7.0%	E/0	
NOTE E1	10 TO LEASS THAN 15	10'-1"	IB	UP, S	45%	381 SF/9281 SF	12%	E/0	

Order Plans

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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:	ms	
Revisions		
No.	Date	Note

RENÉ TERCILLA AIA, REFP
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L.S. PLAN
LS1.02