

### Plumbing Fixture Counts

TOTAL FIXTURES PROVIDED				
CLASSIFICATION	WATER CLOSETS	URINALS	LAVATORIES	DRINKING FOUNTAINS
GIRLS	15 FIXTURES		11 FIXTURES	5 FIXTURES
BOYS	11 FIXTURES	9 FIXTURES	11 FIXTURES	

### Symbol Legend

*ERW	EXISTING RESCUE WINDOW
*NRW	NEW RESCUE WINDOW
	DENOTES ADA ACCESSIBLE ENTRANCE
	DENOTES EXISTING FIRE EXTINGUISHER CABINET
	DENOTES EXISTING FIRE HOSE REEL
	DENOTES NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET
	AREA OF TEMPORARY OCCUPANCY

### Egress Legend

SYMBOL	DESCRIPTION
	TOTAL TRAVEL DISTANCE (T.D.), # OF OCCUPANTS # OCCUPANT CAPACITY OF OPENING
	COMMON PATH OF TRAVEL (C.P.), # OF OCCUPANTS
	TRAVEL DISTANCE FROM CORRIDOR GROUND FLOOR TO EXTERIOR EXIT: 150' MAX. ALL OTHER FLOORS TO STAIR EXIT: 120' MAX.
	BOUNDARY OF PROPOSED FIRE AREAS. REFER TO CODE ANALYSIS DRAWINGS CA0.03-CA0.05
	RESCUE WINDOW

DOOR EGRESS NOTES	HALL EGRESS NOTES	STAIR EGRESS NOTES
DOOR NOTE '34' 3'-0" SINGLE LEAF DOOR: EGRESS CAPACITY 2'-10" CLEAR OPENING 34'/20" = 170 PEOPLE DOOR NOTE '42' 3'-8" SINGLE LEAF DOOR: EGRESS CAPACITY 3'-6" CLEAR OPENING 42'/20" = 210 PEOPLE DOOR NOTE '56' 5'-0" DOUBLE LEAF DOOR: EGRESS CAPACITY 4'-8" CLEAR OPENING 56'/20" = 280 PEOPLE DOOR NOTE '82' 5'-8" DOUBLE LEAF DOOR: EGRESS CAPACITY 64'/20" = 320 PEOPLE DOOR NOTE '86' 5'-10" DOUBLE LEAF DOOR: EGRESS CAPACITY 66'/20" = 330 PEOPLE DOOR NOTE '88' 6'-0" DOUBLE LEAF DOOR: EGRESS CAPACITY 68'/20" = 340 PEOPLE DOOR NOTE '80' 7'-0" DOUBLE LEAF DOOR: EGRESS CAPACITY 6'-8" CLEAR OPENING 80'/20" = 400 PEOPLE	HALL NOTE '57' 4'-9" CLEAR OPENING EGRESS CAPACITY 57'/20" = 285 PEOPLE HALL NOTE '86' 7'-2" CLEAR OPENING EGRESS CAPACITY 86'/20" = 430 PEOPLE HALL NOTE '96' 8'-3" CLEAR OPENING EGRESS CAPACITY 96'/20" = 475 PEOPLE HALL NOTE '100' 8'-4" CLEAR OPENING EGRESS CAPACITY 100'/20" = 500 PEOPLE HALL NOTE '104' 8'-3" CLEAR OPENING EGRESS CAPACITY 104'/20" = 520 PEOPLE HALL NOTE '108' 9'-0" CLEAR OPENING EGRESS CAPACITY 108'/20" = 540 PEOPLE HALL NOTE '114' 9'-8" CLEAR OPENING EGRESS CAPACITY 114'/20" = 570 PEOPLE HALL NOTE '117' 9'-9" CLEAR OPENING EGRESS CAPACITY 117'/20" = 585 PEOPLE HALL NOTE '120' 10'-0" CLEAR OPENING EGRESS CAPACITY 120'/20" = 600 PEOPLE HALL NOTE '121' 10'-1" CLEAR OPENING EGRESS CAPACITY 121'/20" = 605 PEOPLE HALL NOTE '123' 10'-3" CLEAR OPENING EGRESS CAPACITY 123'/20" = 615 PEOPLE HALL NOTE '133' 11'-1" CLEAR OPENING EGRESS CAPACITY 133'/20" = 665 PEOPLE HALL NOTE '138' 11'-8" CLEAR OPENING EGRESS CAPACITY 138'/20" = 690 PEOPLE HALL NOTE '139' 11'-7" CLEAR OPENING EGRESS CAPACITY 139'/20" = 695 PEOPLE HALL NOTE '142' 11'-10" CLEAR OPENING EGRESS CAPACITY 142'/20" = 710 PEOPLE HALL NOTE '143' 11'-11" CLEAR OPENING EGRESS CAPACITY 143'/20" = 715 PEOPLE	STAIR NOTE '40' 3'-4" CLEAR OPENING EGRESS CAPACITY 40'/30" = 133 PEOPLE STAIR NOTE '41' 3'-5" CLEAR OPENING EGRESS CAPACITY 41'/30" = 136 PEOPLE STAIR NOTE '46' 3'-10" CLEAR OPENING EGRESS CAPACITY 46'/30" = 153 PEOPLE STAIR NOTE '48' 4'-0" CLEAR OPENING EGRESS CAPACITY 48'/30" = 160 PEOPLE STAIR NOTE '50' 4'-2" CLEAR OPENING EGRESS CAPACITY 50'/30" = 166 PEOPLE STAIR NOTE '51' 4'-8" CLEAR OPENING EGRESS CAPACITY 51'/30" = 170 PEOPLE STAIR NOTE '56' 4'-8" CLEAR OPENING EGRESS CAPACITY 56'/30" = 186 PEOPLE STAIR NOTE '57' ASTAIR NOTE '57' 5'-0" CLEAR OPENING EGRESS CAPACITY 60'/30" = 200 PEOPLE STAIR NOTE '72' 6'-0" CLEAR OPENING EGRESS CAPACITY 72'/30" = 240 PEOPLE STAIR NOTE '90' 7'-6" CLEAR OPENING EGRESS CAPACITY 90'/30" = 300 PEOPLE STAIR NOTE '98' 8'-2" CLEAR OPENING EGRESS CAPACITY 98'/30" = 326 PEOPLE

### Code Analysis

PER THE 2015 INTERNATIONAL BUILDING CODE (IBC) U.N.O.

USE GROUP CLASSIFICATION "E": EDUCATIONAL

**OCCUPANT LOAD**  
SECTION 1004.1.2 - AREAS WITHOUT FIXED SEATING  
OCCUPANCY LOADS WERE CALCULATED USING THE MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT AS INDICATED IN TABLE 1004.1.2.

**MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT**

STORAGE & MECHANICAL ROOMS	300 GROSS
ASSEMBLY:	
ASSEMBLY WITH FIXED SEATS	SECTION 1004.4
CONCENTRATED (CHAIRS ONLY)	7 NET
STANDING SPACE	5 NET
UNCONCENTRATED (TABLES & CHAIRS)	15 NET
BUSINESS AREAS (OFFICES)	100 GROSS
EDUCATIONAL:	
CLASSROOMS	20 NET
SHOPS OR VOCATIONAL ROOMS	50 NET
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
LIBRARY	
READING ROOM	50 NET
STACKS	100 GROSS
LOCKER ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

SECTION 1004.4 - FIXED SEATING  
FOR AREAS HAVING FIXED SEATS AND AISLES, THE OCCUPANT LOAD SHALL BE DETERMINED BY THE NUMBER OF FIXED SEATS INSTALLED THEREIN.

**MEANS OF EGRESS SIZING**

SECTION 1005  
1005.3 REQUIRED CAPACITY BASED ON OCCUPANT LOAD  
1005.3.1 STAIRWAYS  
CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH STAIRWAYS BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.3 INCH PER OCCUPANT.

1005.3.2 OTHER EGRESS COMPONENTS  
MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY EACH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF 0.2 INCH PER OCCUPANT.

**NUMBER OF EXITS AND EXIT ACCESS DOORWAYS**

SECTION 1006  
1006.2.1 EGRESS BASED ON OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE  
TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1

"E" OCCUPANCY:  
49 MAX OCCUPANT LOAD  
75' MAX COMMON PATH OF EGRESS TRAVEL DISTANCE

**EXIT ACCESS**

SECTION 1016  
1016.2 EGRESS THROUGH INTERVENING SPACE  
EGRESS FROM A ROOM OR SPACE SHALL NOT PASS THROUGH ADJOINING OR INTERVENING ROOMS OR AREAS, EXCEPT WHERE SUCH ADJOINING ROOMS OR AREAS AND THE AREA SERVED ARE ACCESSORY TO ONE OR THE OTHER.

EGRESS SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, CLOSETS OR SPACES USED FOR SIMILAR PURPOSES.

**EXIT ACCESS TRAVEL DISTANCE**

SECTION 1017  
"E" OCCUPANCY:  
NOT TO EXCEED 200 FEET WITHOUT SPRINKLER SYSTEM

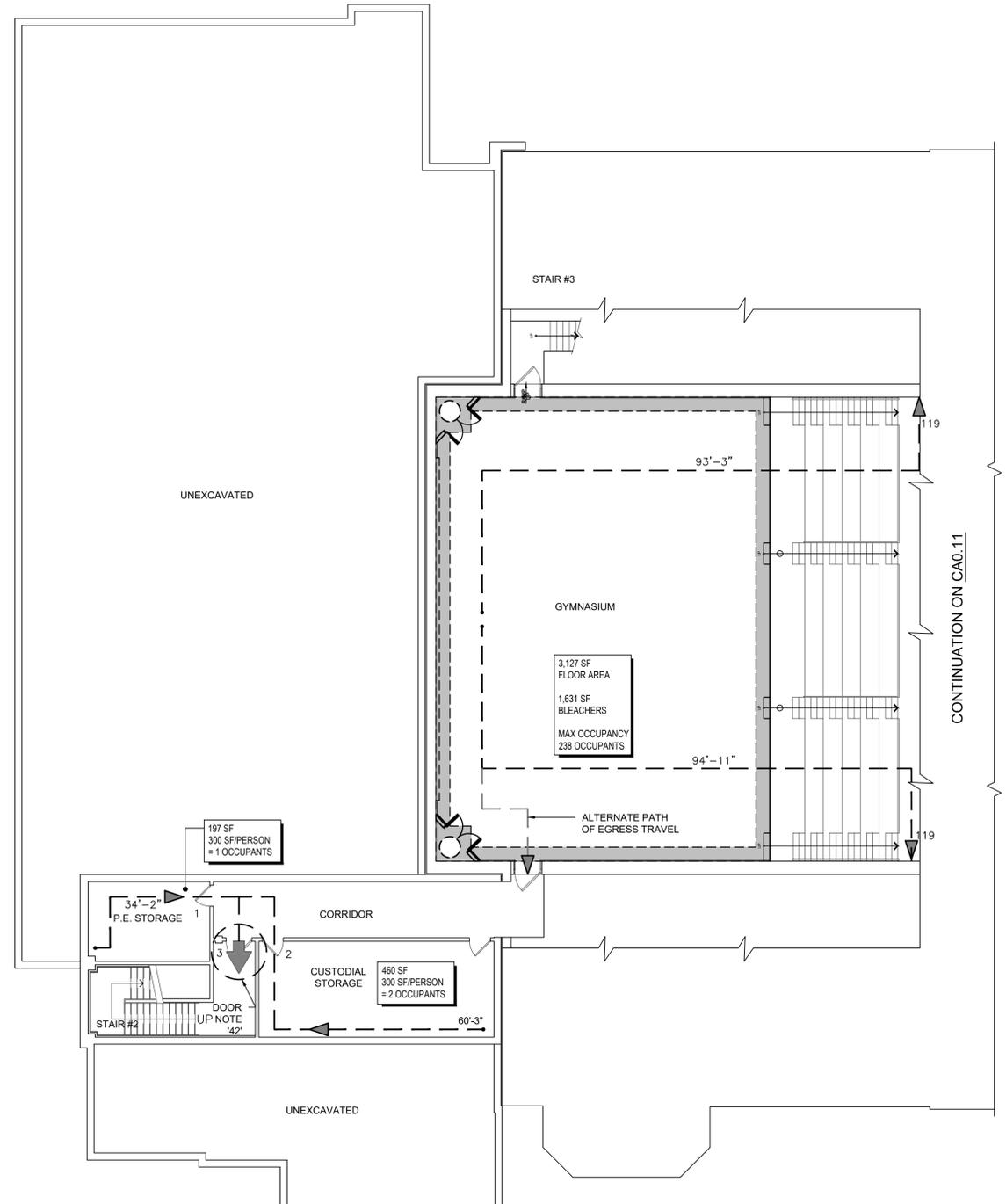
**CORRIDORS**

SECTION 1020  
1020.1 CORRIDOR FIRE-RESISTANCE RATING:  
"E" OCCUPANCY  
1 HOUR WITHOUT A SPRINKLER SYSTEM

1020.2 MINIMUM CORRIDOR WIDTH  
MINIMUM CORRIDOR WIDTH UNLESS OTHERWISE NOTED: 44"  
WITH AN OCCUPANT LOAD OF LESS THAN 50: 36"  
GROUP "E" WITH A CORRIDOR SERVING MORE THAN 100: 72"

1020.4 DEAD END CORRIDORS  
MAX DEAD END CORRIDOR LENGTH = 20'

PER THE 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)  
805.6 DEAD END CORRIDORS (ALTERATIONS - LEVEL 2)  
MAX DEAD END CORRIDOR LENGTH = 35'



Date: 1/10/20  
Checked: DLF  
Drawn: TH

**Revisions:**  
ISSUE TO BO 11/23/20

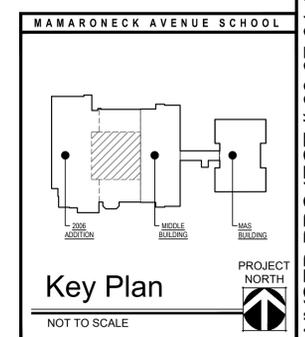
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**PROPOSED BASEMENT EGRESS PLAN**  
2019 BOND REFERENDUM  
MAMARONECK AVENUE ELEMENTARY SCHOOL  
MAMARONECK UNION FREE SCHOOL DISTRICT  
850 MAMARONECK AVENUE, MAMARONECK, NY 10543

Job No. 4.1092.72.2  
File No. 10927202CA010

**CA0.10**



Partial Basement Egress Plan  
CA0.10 3/32 = 1'-0"



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