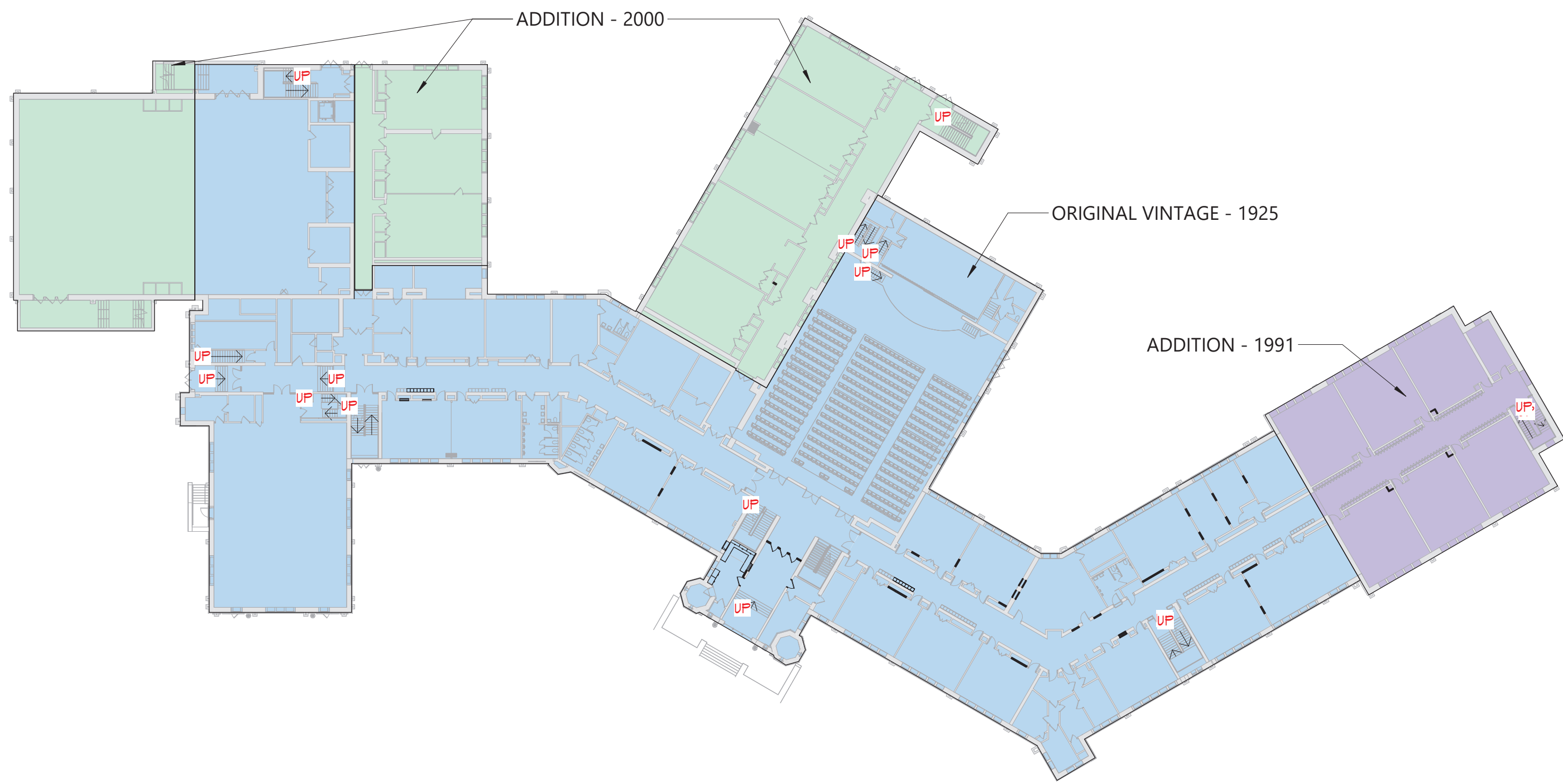


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1 OVERALL GROUND FLOOR LIFE SAFETY PLAN
LS100 1/16" = 1'-0"



2 IEYMS VINTAGE PLAN
LS100 1" = 40'-0"

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ISAAC E YOUNG MIDDLE SCHOOL
2023 CAPITAL PROJECT - PHASE 2B

Project Title


REGISTRATION EXPIRATION DATE: 03/03/25

DATE	DESCRIPTION

Drawn By: RC

Checked By: MZ

Proj. #: 66-11-00-81-0-003-018

CSArch Proj. #: 188-2301-02

Issued for Bid: 06/13/2025

Sheet Title

OVERALL
GROUND
FLOOR LIFE
SAFETY PLAN

Sheet No.

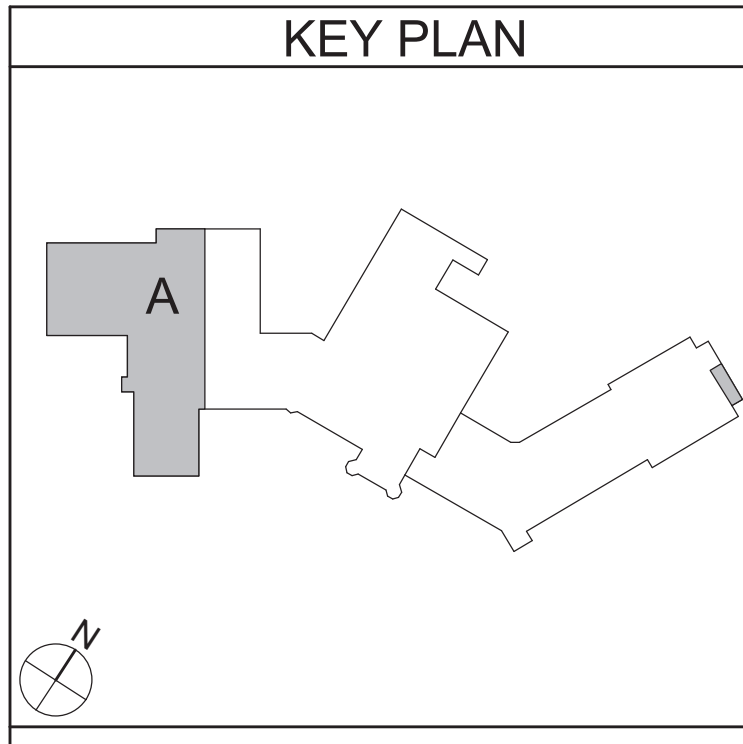
IEYMS
LS100

CONSTRUCTION DOCUMENTS

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1 GROUND FLOOR PLAN - AREA A
LS101 3/32" = 1'-0"



LIFE SAFETY PLAN LEGEND

- PRIMARY EXIT
- SECONDARY EXIT
- RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
- EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
- EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

SMOKE SEPARATION NOTES

- SMOKE BARRIER
- CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE WALL

CODE NARRATIVE:
ORIGINAL CONSTRUCTION: 1925
CONSTRUCTION TYPE: IIB
GROUND FLOOR AREA: 45,042 SF
GROSS FIRST FLOOR AREA: 45,042 SF
ADDITION CONSTRUCTION: 1991
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 6,909 SF
GROSS FIRST FLOOR AREA: 6,909 SF
ADDITION CONSTRUCTION: 2000
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 1,311 SF
GROSS FIRST FLOOR AREA: 1,311 SF
CLASSIFICATION OF

- LEVEL 1 ALTERATION
xxx SF
- LEVEL 2 ALTERATION
xxx SF

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH.	300
ASSEMBLY W/ FIXED SECT.	
ASSEMBLY W/OUT FIXED	
CONCENTRAT	7
UNCONCENTRAT	15
BUSINESS	150
CLASSROOM	20
VOCATIONAL ROOM	50
LOCKER	50
EXERCISE	50
KITCHENS	200
READING	50
STAGES AND	15

STRUCTURAL LOAD

RISK.	
DEAD.	
CONCRETE	xxx
LIVE	
SLA	xxx
RAIN.	
15-MINUTE RAINFALL	xxx
60-MINUTE RAINFALL	xxx
SNOW.	
GROUND SNOW	xx
FLAT ROOF SNOW	xxx
SLOPED ROOF SNOW	xx
WIND.	
ULTIMATE WIND	xxx
EXPOSURE	x
SEISMIC DESIGN.	
SITE	x
SEISMIC DESIGN	x

FIRE AREA MODIFICATIONS (NYS SECTION 506)	
A _a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)
A _t	TABULAR ALLOWABLE AREA FACTOR (NYS 513JR OR 513D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)
I _f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING
S _a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2
L _n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL
W _n	WIDTH (≥ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL
F	BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE
P	PERIMETER OF ENTIRE BUILDING (FEET)
I ₁ = [F/P - 0.25]W/30	A ₁ = A _a + (NS x I ₁)
I ₂ = [100/XX - 0.25] XX/30	A ₂ = XXX + (XXX x 0.XX)
I ₃ = [0.XX] 1.00	A ₃ = XXX + (XXX)
I ₄ = XX%	A ₄ = XXX sq ft

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CITY SCHOOL DISTRICT OF NEW ROCHELLE ISAAC E YOUNG MIDDLE SCHOOL 2023 CAPITAL PROJECT - PHASE 2B

Project Title



DATE	DESCRIPTION

Drawn By:	RC
Checked By:	MZ
Proj. #:	66-11-00-81-0-03-018
CSArch Proj. #:	188-2301.02
Issued for Bid:	06/13/2025

Sheet Title
AREA 'A' -
PARTIAL
GROUND
FLOOR LIFE
SAFETY PLAN

Sheet No.
IEYMS
LS101

CONSTRUCTION DOCUMENTS

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LIFE SAFETY PLAN LEGEND

- PRIMARY EXIT
- SECONDARY EXIT
- RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- # OF OCCS: NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)

- EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
- EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS

- AED AUTOMATED EXTERNAL DEFIBRILLATOR
- DF DRINKING FOUNTAIN
- ESB EMERGENCY EYEWASH STATION
- FE FIRE EXTINGUISHER, WALL MOUNT
- FE2 FIRE EXTINGUISHER CABINET

SMOKE SEPARATION NOTES

- SMOKE BARRIER
- CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE WALL

CODE NARRATIVE:

ORIGINAL CONSTRUCTION: 1925
CONSTRUCTION TYPE: IIB
GROUND FLOOR AREA: 45,042 SF
GROSS FIRST FLOOR AREA: 45,042 SF
ADDITION CONSTRUCTION: 1991
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 6,909 SF
GROSS FIRST FLOOR AREA: 6,909 SF
ADDITION CONSTRUCTION: 2000
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 17,311 SF
GROSS FIRST FLOOR AREA: 17,311 SF
CLASSIFICATION OF

- LEVEL 1 ALTERATION
xxx sf
- LEVEL 2 ALTERATION
xxx sf

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH.	300	SECT.
ASSEMBLY W/OUT FIXED		
CONCENTRAT	7	
UNCONCENTRAT	15	
BUSINESS	150	
CLASSROOM	20	
VOCATIONAL ROOM	50	
LOCKER	50	
EXERCISE	50	
KITCHENS	200	
READING	50	
STAGES AND	15	

STRUCTURAL LOAD

RISK	II
DEAD	
CONCRETE	xxx
LIVE	
SLA	xxx
RAIN	
15-MINUTE RAINFALL	xxx
60-MINUTE RAINFALL	xxx
SNOW	
GROUND SNOW	xx
FLAT ROOF SNOW	xxx
SLOPED ROOF SNOW	xx
WIND	
ULTIMATE WIND	xxx
EXPOSURE	x
SEISMIC DESIGN	
SITE	x
SEISMIC DESIGN	x

FIRE AREA MODIFICATIONS (NYS SECTION 506)
A_a ALLOWABLE AREA PER FLOOR (SQUARE FEET)
A_t TABULAR ALLOWABLE AREA FACTOR (NYS 513JR OR 513D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)

I_f AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)

NS TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING

S_a ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE

W CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2

L_n LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL

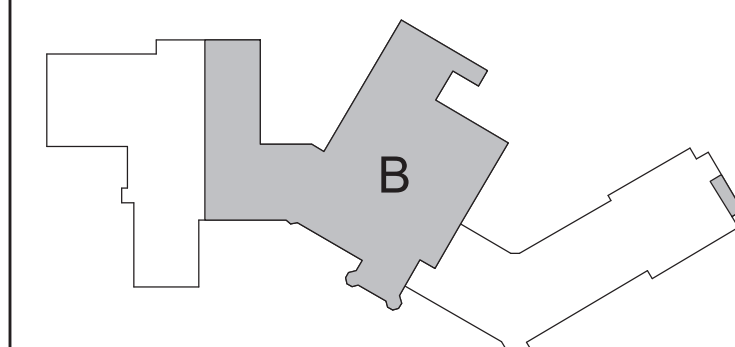
W_n WIDTH (≥ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL

F BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE

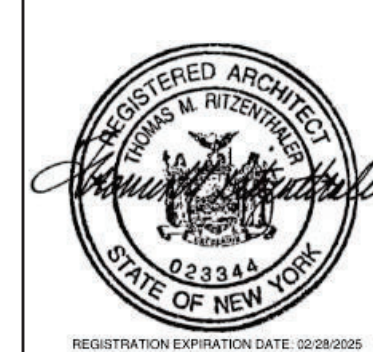
P PERIMETER OF ENTIRE BUILDING (FEET)

$$I_t = [F/P - 0.25]W/30$$
$$I_t = [100/XX - 0.25]XX/30$$
$$I_t = [0.0X] 1.00$$
$$I_t = XX\%$$
$$A_u = A_t + (NS \times I_t)$$
$$A_u = XXX + (XXX \times 0.0X)$$
$$A_u = XXX + (XXX)$$
$$A_u = XXX \text{ sq ft}$$

KEY PLAN



1 GROUND FLOOR PLAN - AREA B
LS102 3/32" = 1'-0"



DATE	DESCRIPTION

Drawn By: RC
Checked By: MZ
Proj. #: 66-11-00-81-0-003-018
CSArch Proj. #: 188-2301-02
Issued for Bid: 06/13/2025

Sheet Title
AREA 'B' -
PARTIAL
GROUND
FLOOR LIFE
SAFETY PLAN

Sheet No.
IEYMS
LS102
CONSTRUCTION DOCUMENTS

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1 GROUND FLOOR PLAN - AREA C
LS103 3/32" = 1'-0"

LIFE SAFETY PLAN LEGEND

PRIMARY EXIT
SECONDARY EXIT
RESCUE WINDOW (SECONDARY EXIT)
ACCESSIBLE EXIT
RESCUE ASSISTANCE STATION/AREA OF REFUGE
NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
EXIT PATH OF TRAVEL (START - END)
EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS
AED AUTOMATED EXTERNAL DEFIBRILLATOR
DF DRINKING FOUNTAIN
EES EMERGENCY EYE WASH STATION
FE FIRE EXTINGUISHER, WALL MOUNT
FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION NOTES

SMOKE BARRIER
CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND

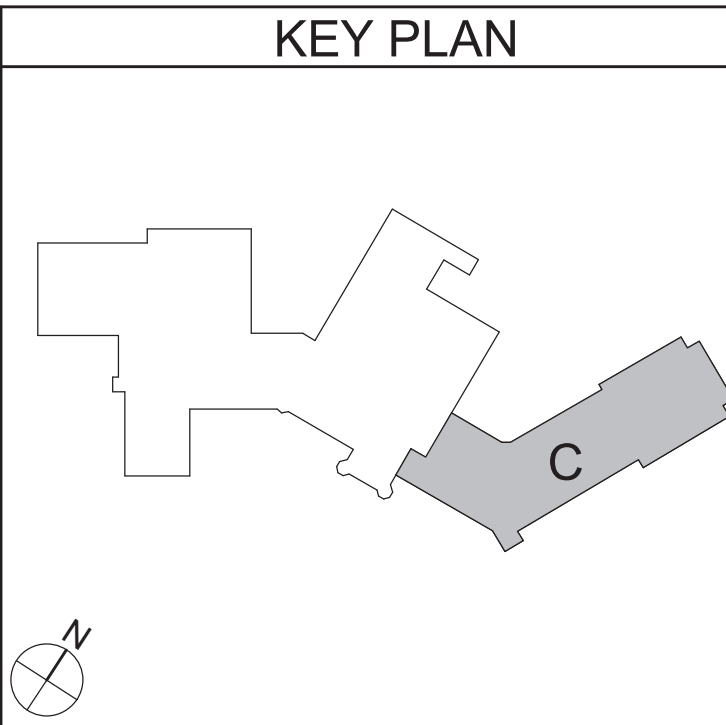
1 HOUR RATED FIRE PARTITION
1 HOUR RATED FIRE BARRIER
2 HOUR RATED FIRE BARRIER
2 HOUR RATED FIRE WALL

CODE NARRATIVE:
ORIGINAL CONSTRUCTION: 1925
CONSTRUCTION TYPE: IIB
GROUND FLOOR AREA: 45,042 SF
GROSS FIRST FLOOR AREA: 45,042 SF
ADDITION CONSTRUCTION: 1991
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 6,909 SF
GROSS FIRST FLOOR AREA: 6,909 SF
ADDITION CONSTRUCTION: 2000
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 17,311 SF
GROSS FIRST FLOOR AREA: 17,311 SF
CLASSIFICATION OF:
LEVEL 1 ALTERATION
xxx SF
LEVEL 2 ALTERATION
xxx SF

OCCUPANT LOAD	
ACCESSORY STORAGE AREA, MECH.	300
ASSEMBLY W/ FIXED	SECT.
ASSEMBLY W/OUT FIXED	
CONCENTRAT	7
UNCONCENTRAT	15
BUSINESS	150
CLASSROOM	20
VOCATIONAL ROOM	50
LOCKER	50
EXERCISE	50
KITCHENS	200
READING	50
STAGES AND	15

STRUCTURAL LOAD	
RIGID	II
DEAD	
CONCRETE	xxx
LIVE	
SLA	xxx
RAIN	
15-MINUTE RAINFALL	xxx
60-MINUTE RAINFALL	xxx
SNOW	
GROUND SNOW	xx
FLAT ROOF SNOW	xxx
SLOPED ROOF SNOW	xx
WIND	
ULTIMATE WIND	xxx
EXPOSURE	x
SEISMIC DESIGN	
SITE	x
SEISMIC DESIGN	x

FIRE AREA MODIFICATIONS (NYS SECTION 506)			
A _a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)		
A _t	TABULAR ALLOWABLE AREA FACTOR (NS1, S13R OR S13D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)		
I _f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)		
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING		
S _a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE		
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2		
L _n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL		
W _n	WIDTH (≥ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL		
F	BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE		
P	PERIMETER OF ENTIRE BUILDING (FEET)		
I ₁	$I_1 = [F/P - 0.25]W/30$	A ₁	$A_1 = A_a + (NS \times I_1)$
I ₂	$I_2 = [100/XX - 0.25]XX/30$	A ₂	$A_2 = XXX + (XXX \times 0.XX)$
I ₃	$I_3 = [0.XX] 1.00$	A ₃	$A_3 = XXX + (XXX)$
I ₄	$I_4 = XX\%$	A ₄	$A_4 = XXX \text{ sq ft}$



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ISAAC E YOUNG MIDDLE SCHOOL
2023 CAPITAL PROJECT - PHASE 2B

Project Title



DATE	DESCRIPTION

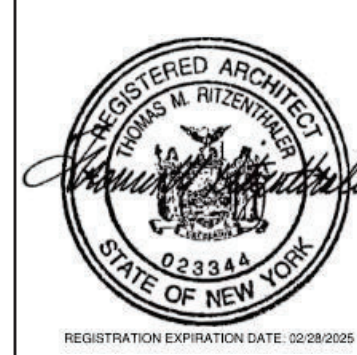
Drawn By:	RC
Checked By:	MZ
Proj. #:	66-11-00-81-03-003-018
CSArch Proj. #:	188-2301-02
Issued for Bid:	06/13/2025

Sheet Title
AREA C -
PARTIAL
GROUND
FLOOR LIFE
SAFETY PLAN

Sheet No.
IEYMS
LS103
CONSTRUCTION DOCUMENTS

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Project Title



	DATE	DESCRIPTION

Drawn By:	
Checked By:	
Proj. #:	66-11-00-01-0-003
CSArch Proj. #:	188-230
Issued for Bid:	06/13/20

Sheet Title

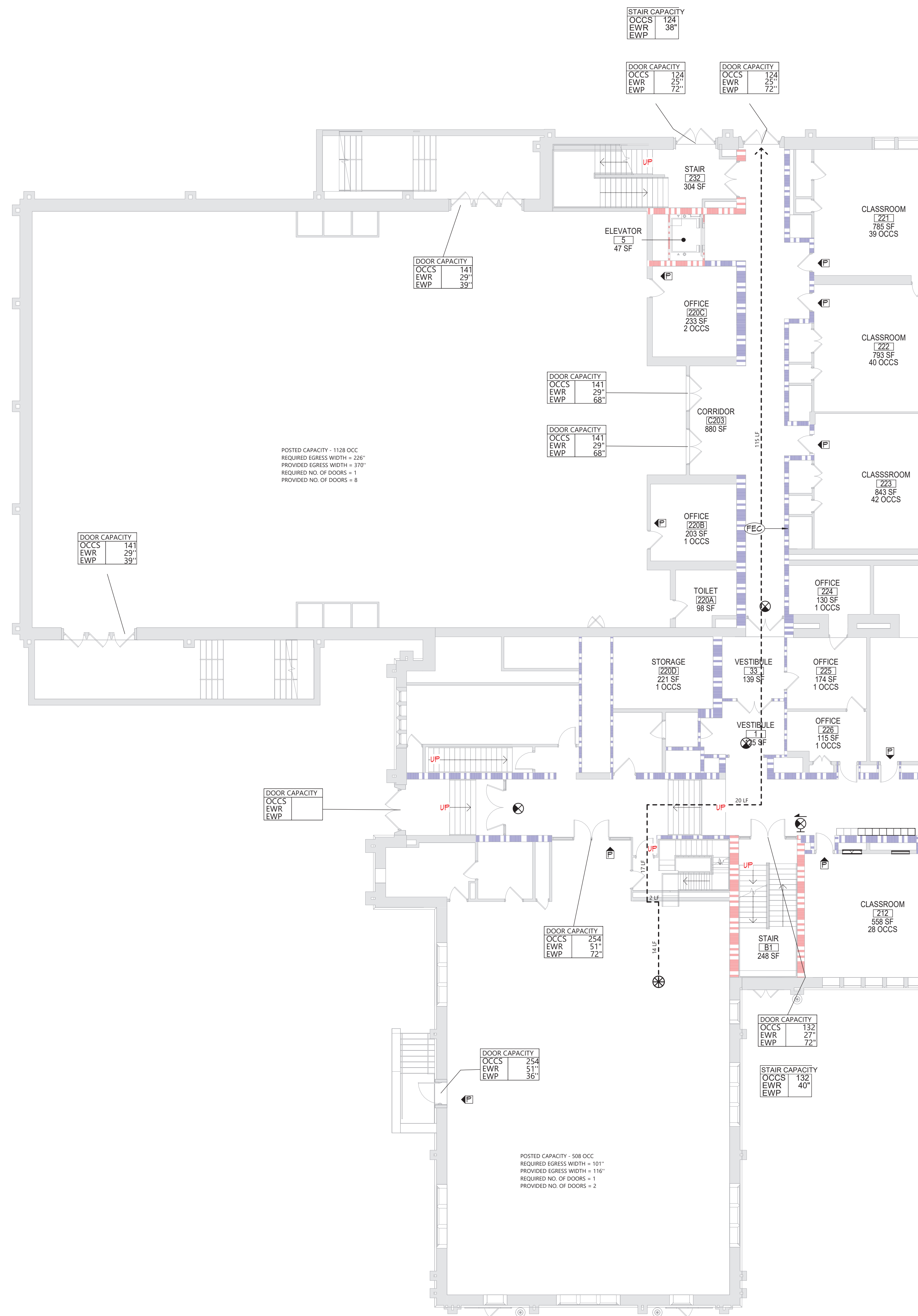
OVERALL FIRST FLOOR LIFE SAFETY PLAN

Sheet No. IEYMS
LS110

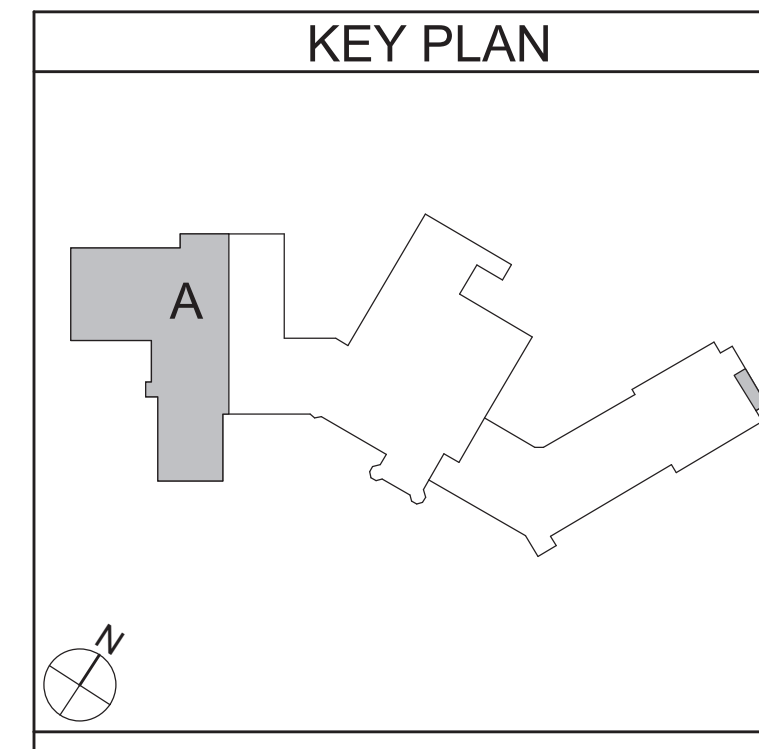
CONSTRUCTION DOCUMENTS



1 OVERALL FIRST FLOOR LIFE SAFETY PLAN



1 FIRST FLOOR PLAN - AREA A
LS111 3/32" = 1'-0"



LIFE SAFETY PLAN LEGEND

- | | |
|---|--|
|  | PRIMARY EXIT |
|  | SECONDARY EXIT |
|  | RESCUE WINDOW (SECONDARY EXIT) |
|  | ACCESSIBLE EXIT |
|  | RESCUE ASSISTANCE STATION/AREA OF REFUGE |
|  | NUMBER OF OCCUPANTS PER TABLE 1004.1.2
(ACTUAL NUMBER OF OCCUPANTS) |
|  | REQUIRED EXIT WIDTH FOR DOOR BASED
ON (OCCUPANT * 0.2) |
|  | REQUIRED EXIT WIDTH FOR STAIRS BASED
ON (OCCUPANT * 0.3) |
|  | EXIT PATH OF TRAVEL (START - END) |

ABBREVIATIONS

AED AUTOMATED EXTERNAL DEFIBRILLATOR
 DPF DRINKING FOUNTAIN
 EESD EMERGENCY EYEWASH STATION
 FE FIRE EXTINGUISHER, WALL MOUNT
 FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION NOTES

SMOKE BARRIER

 CORRIDOR, ENCLOSED WITH SMOKE
PARTITIONS - NO COMMUNICATING
MECHANICAL AIR BETWEEN CORRIDOR AND
ADJACENT SPACES.

FIRE SEPARATION LEGEND

-  1 HOUR RATED FIRE PARTITION
 1 HOUR RATED FIRE BARRIER
 2 HOUR RATED FIRE BARRIER
 2 HOUR RATED FIRE WALL

QDF NARRATIVE.

ORIGINAL CONSTRUCTION: 1925
CONSTRUCTION TYPE: IIB
GROUND FLOOR AREA: 45,092 SF
ROSS
FIRST FLOOR AREA: 45,092 SF
ADDITION CONSTRUCTION: 1991
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 6,909 SF
ROSS
FIRST FLOOR AREA: 6,909 SF

ADDITION CONSTRUCTION:	2000
CONSTRUCTION TYPE:	IIB
BASEMENT AREA:	17,311 SF
CROSS	
FIRST FLOOR AREA:	17,311 SF
CLASSIFICATION OF	

[illegible]

LEVEL 1 ALTERATION
XXX SF

LEVEL 2 ALTERATION
XXX SF

OCCUPANT LOAD

CESSORY STORAGE AREA, MECH.	300
SEMBLY N/ FIXED	SECT.
SEMBLY N/OUT FIXED	
CONCENTRAT	7
NG CONCENTRAT	15
BUSINESS	150
CLASSROOM	20
OGATIONAL ROOM	50
OCKER	50
EXERCISE	50
KITCHENS,	200
EADING	50
AGES AND	15

STRUCTURAL LOAD

ISK	
LEAD	
CONCRETE	xxx
VE	
LA	xxx
AIN	
5-MINUTE RAINFALL	xxx
10-MINUTE RAINFALL	xxx
NOVA	
GROUND SNOW	xx
LAT ROOF SNOW	xxx
LOPED ROOF SNOW	xx
IND	
ULTIMATE WIND	xxx
EXPOSURE	x
SEISMIC DESIGN	
TE	x
SEISMIC DESIGN	x

FIRE AREA MODIFICATIONS (NYS SECTION 506)	
A _a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)
A _t	TABULAR ALLOWABLE AREA FACTOR (N _S , S ₁ , S _{13R} OR S _{13D} VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)

f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING
3	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2

LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL
WIDTH ($\geq$ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED
WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL
BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY
OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE
PERIMETER OF ENTIRE BUILDING (FEET)

$r = [F/P - 0.25]W/30$ $= [100/XX - 0.25] XX/30$ $= [0.XX] 1.00$ $= XX\%$	$A_d = A_t + (NS \times I_i)$ $A_s = XXXX + (XXX \times 0.XX)$ $A_o = XXXX + (XXX)$ $A_u = XXX \text{ sq ft}$
--	--

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Consultant

CITY SCHOOL DISTRICT OF NEW ROCHELLE
ISAAC E YOUNG MIDDLE SCHOOL
2023 CAPITAL PROJECT - PHASE 2B

Project Title

[illegible]

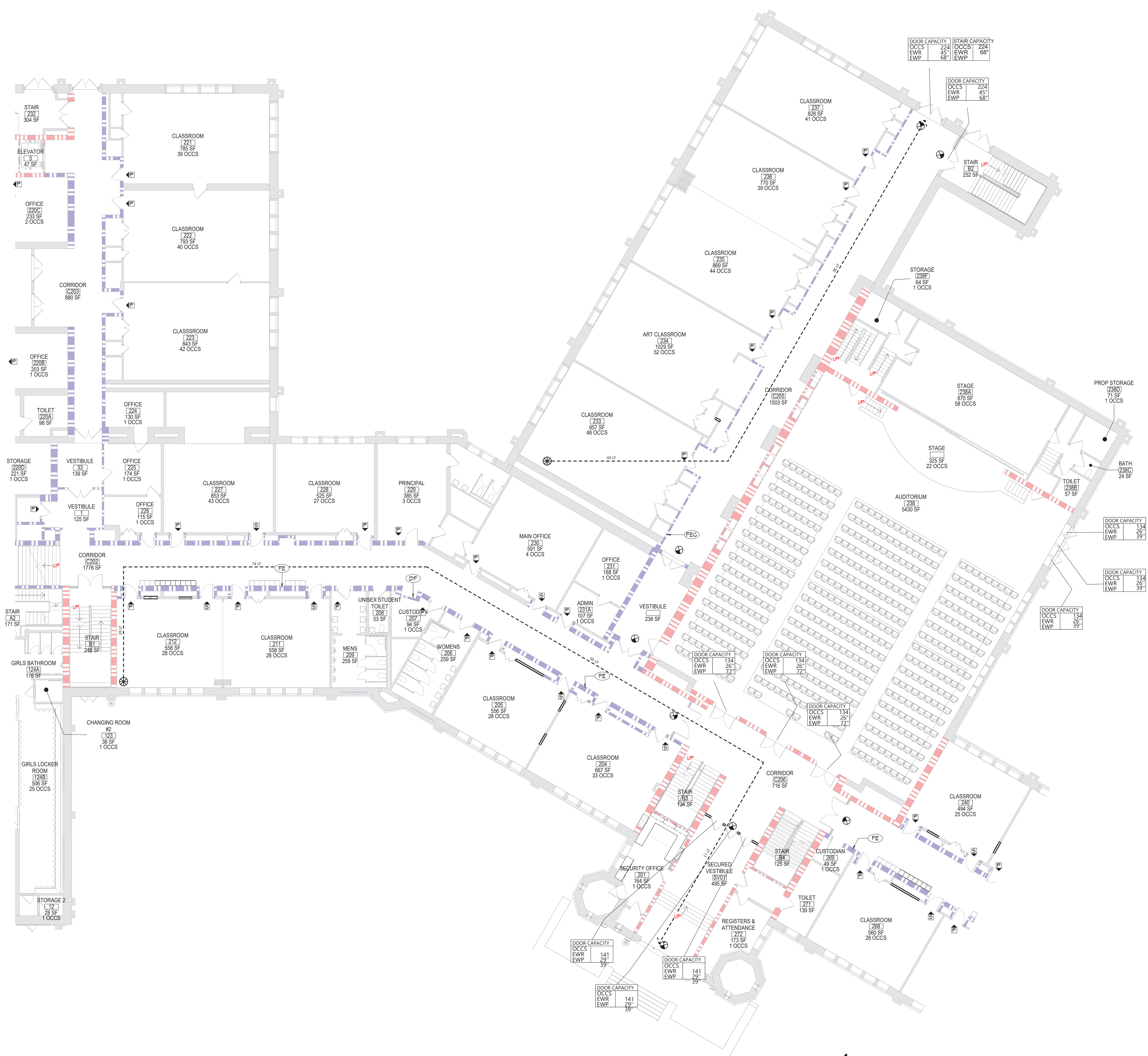
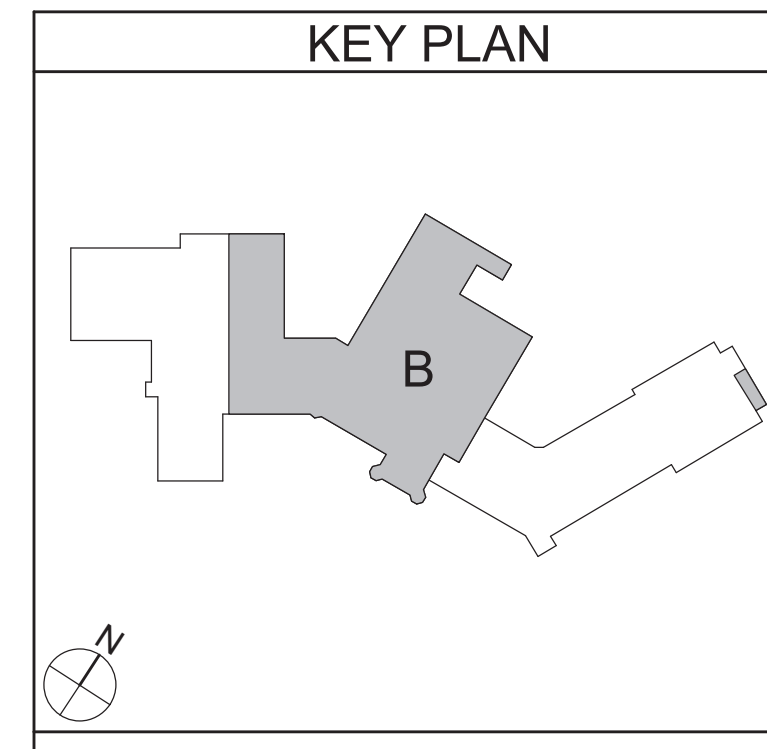
Drawn By:	R
Checked By:	M
Proj. #:	66-11-00-01-0-003-01
CSArch Proj. #:	188-2301.0
Issued for Bid:	06/13/202

Sheet Title

AREA 'A' -
PARTIAL FIRST
FLOOR LIFE
SAFETY PLAN

Sheet No. IEYMS
LS111

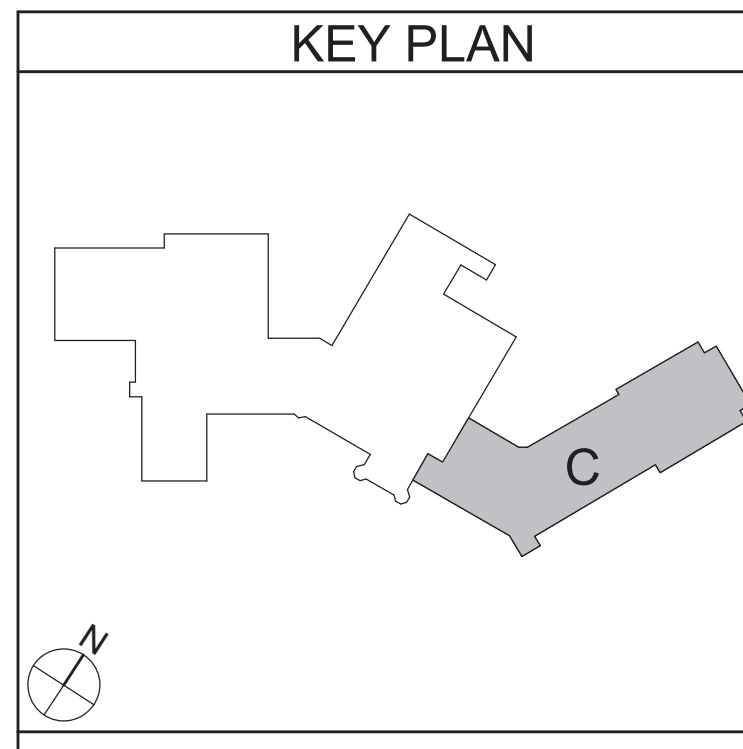
CONSTRUCTION DOCUMENTS



1 FIRST FLOOR PLAN - AREA B
LS112 3/32" = 1'-0"



1 FIRST FLOOR PLAN - AREA C
LS113 3/32" = 1'-0"



LIFE SAFETY PLAN LEGEND	
	PRIMARY EXIT
	SECONDARY EXIT
	RESCUE WINDOW (SECONDARY EXIT)
	ACCESSIBLE EXIT
	RESCUE ASSISTANCE STATION/AREA OF REFUGE
	# OCCS NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
	REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
	REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
	EXIT PATH OF TRAVEL (START - END)
	EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
	EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
ABBREVIATIONS	
	AED AUTOMATED EXTERNAL DEFIBRILLATOR
	DF DRINKING FOUNTAIN
	EES EMERGENCY EYE WASH STATION
	FE FIRE EXTINGUISHER, WALL MOUNT
	FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION NOTES	
	SMOKE BARRIER
	CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND	
	1 HOUR RATED FIRE PARTITION
	1 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE WALL

CODE NARRATIVE:	
ORIGINAL CONSTRUCTION:	1925
CONSTRUCTION TYPE:	IIB
GROUND FLOOR AREA:	45,042 SF
GROSS FIRST FLOOR AREA:	45,042 SF
ADDITION CONSTRUCTION:	1991
CONSTRUCTION TYPE:	IIB
BASEMENT AREA:	6,909 SF
GROSS FIRST FLOOR AREA:	6,909 SF
ADDITION CONSTRUCTION:	2000
CONSTRUCTION TYPE:	IIB
BASEMENT AREA:	11,311 SF
GROSS FIRST FLOOR AREA:	11,311 SF
CLASSIFICATION OF	
	LEVEL 1 ALTERATION xxx SF
	LEVEL 2 ALTERATION xxx SF

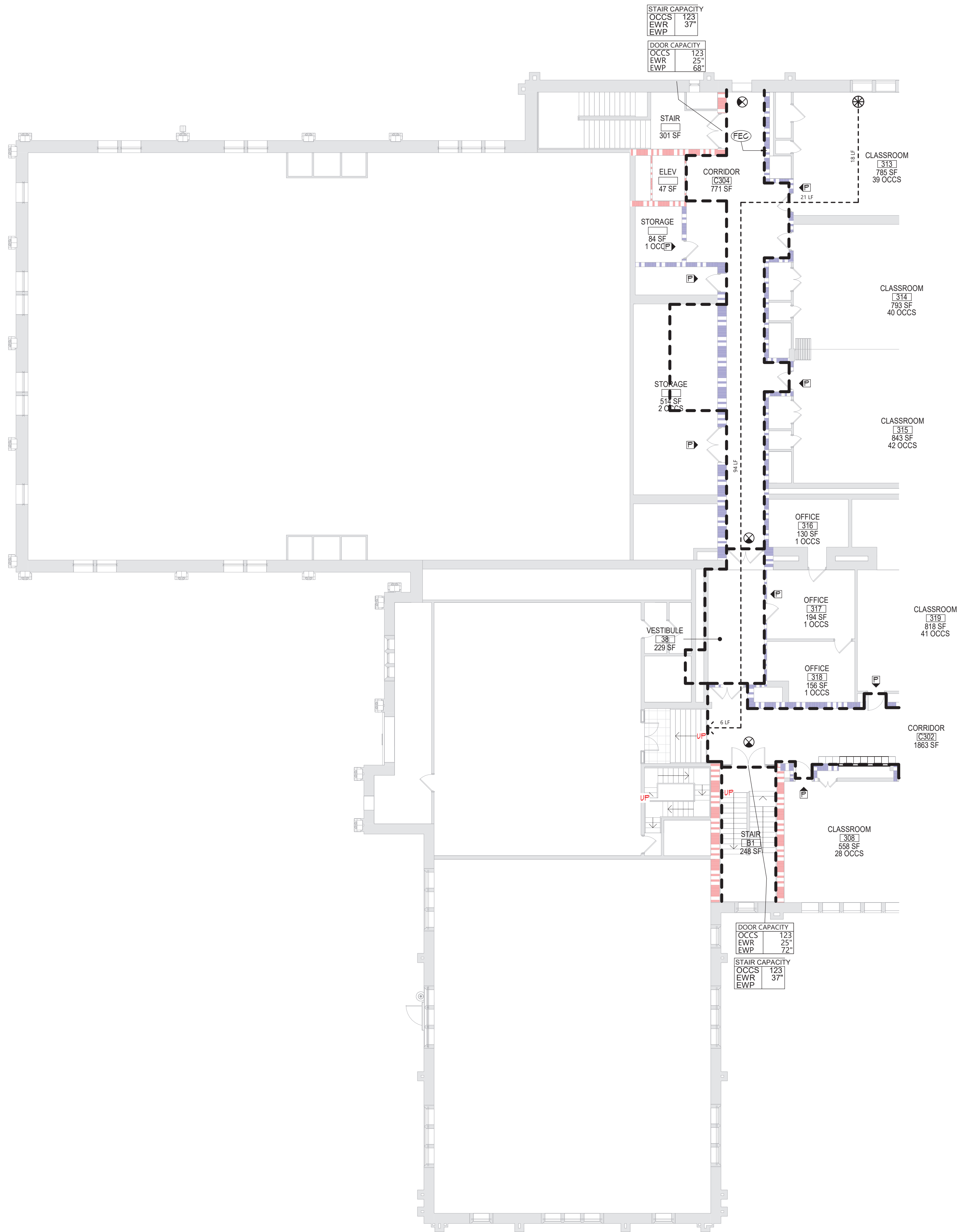
OCCUPANT LOAD	
ACCESSORY STORAGE AREA, MECH.	300
ASSEMBLY W/ FIXED SECT.	
ASSEMBLY W/OUT FIXED	
CONCENTRAT	7
UNCONCENTRAT	15
BUSINESS	150
CLASSROOM	20
VOCATIONAL ROOM	50
LOCKER	50
EXERCISE	50
KITCHENS	200
READING	50
STAGES AND	15

STRUCTURAL LOAD	
RIGID.	II
DEAD.	
CONCRETE	xxx
LIVE	
SLA	xxx
RAIN.	
15-MINUTE RAINFALL	xxx
60-MINUTE RAINFALL	xxx
SNOW.	
GROUND SNOW	xx
FLAT ROOF SNOW	xxx
SLOPED ROOF SNOW	xx
WIND.	
ULTIMATE WIND	xxx
EXPOSURE	x
SEISMIC DESIGN.	
SITE	x
SEISMIC DESIGN	x

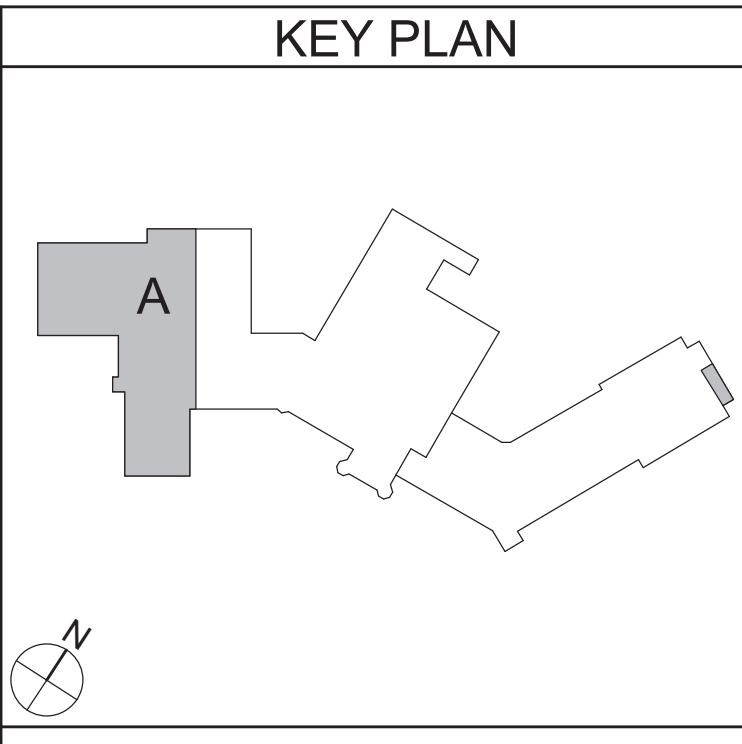
FIRE AREA MODIFICATIONS (NYS SECTION 506)		
A _a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)	
A _t	TABULAR ALLOWABLE AREA FACTOR (NYS 513JR OR 513D VALUE)	
I _f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)	
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING	
S _a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE	
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2	
L _n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL	
W _n	WIDTH (≥ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL	
F	BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE	
P	PERIMETER OF ENTIRE BUILDING (FEET)	
I ₁	$I_1 = [F/P - 0.25]W/30$	$A_u = A_n + (NS \times I_1)$
I ₂	$I_2 = [100/XX - 0.25]XX/30$	$A_v = XXX + (XXX \times 0.XX)$
I ₃	$I_3 = [0.XX] 1.00$	$A_u = XXX + (XXX)$
I ₄	$I_4 = XX\%$	$A_u = XXX \text{ sq ft}$



C:\Users\collura\Documents\189-2301_ISAAC_E_YOUNG_MS_rollup\XARE.rvt



1 SECOND FLOOR PLAN - AREA A
LS121 3/32" = 1'-0"



LIFE SAFETY PLAN LEGEND	
	PRIMARY EXIT
	SECONDARY EXIT
	RESCUE WINDOW (SECONDARY EXIT)
	ACCESSIBLE EXIT
	RESCUE ASSISTANCE STATION/AREA OF REFUGE
	# OCCS NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
	REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
	REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
	EXIT PATH OF TRAVEL (START - END)
	EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
	EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

SMOKE SEPARATION NOTES	
	SMOKE BARRIER
	CORRIDOR ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND	
	1 HOUR RATED FIRE PARTITION
	1 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE WALL

CODE NARRATIVE:	
ORIGINAL CONSTRUCTION:	1925
CONSTRUCTION TYPE:	IIB
GROUND FLOOR AREA:	45,042 SF
GROSS FIRST FLOOR AREA:	45,042 SF
ADDITION CONSTRUCTION:	1991
CONSTRUCTION TYPE:	IIB
BASEMENT AREA:	6,909 SF
GROSS FIRST FLOOR AREA:	6,909 SF
ADDITION CONSTRUCTION:	2000
CONSTRUCTION TYPE:	IIB
BASEMENT AREA:	17,311 SF
GROSS FIRST FLOOR AREA:	17,311 SF
CLASSIFICATION OF	
	LEVEL 1 ALTERATION xxx SF
	LEVEL 2 ALTERATION xxx SF

OCCUPANT LOAD	
ACCESSORY STORAGE AREA, MECH.	300
ASSEMBLY W/ FIXED SECT.	
ASSEMBLY W/ OUT FIXED	
CONCENTRAT	7
UNCONCENTRAT	15
BUSINESS	150
CLASSROOM	20
VOCATIONAL ROOM	50
LOCKER	50
EXERCISE	50
KITCHENS	200
READING	50
STAGES AND	15

STRUCTURAL LOAD	
RIGID.	II
DEAD.	
LIVE.	
SLA	xxx
RAIN.	
15-MINUTE RAINFALL	xxx
60-MINUTE RAINFALL	xxx
SNOW.	
GROUND SNOW	xx
FLAT ROOF SNOW	xxx
SLOPED ROOF SNOW	xx
WIND.	
ULTIMATE WIND	xxx
EXPOSURE	x
SEISMIC DESIGN.	
SITE	x
SEISMIC DESIGN	x

FIRE AREA MODIFICATIONS (NYS SECTION 506)	
A _a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)
A _t	TABULAR ALLOWABLE AREA FACTOR (NYS 51.513R OR 513D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)
I _f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING
S _a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2
L _n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL WITH THAT PORTION OF THE EXTERIOR PERIMETER ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL
W _n	WIDTH (≥ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL
F	BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE
P	PERIMETER OF ENTIRE BUILDING (FEET)
$I_f = [F/P - 0.25]W/30$ $I_f = [100/XX - 0.25]XX/30$ $I_f = [0.0X] 1.00$ $I_f = XX\%$	
$A_a = A_t + (NS \times I_f)$ $A_a = XXX + (XXX \times 0.0X)$ $A_a = XXX + (XXX)$ $A_a = XXX \text{ sq ft}$	

19 Front St., Newburgh, New York 12550-7601
845.561.1317 www.csarch.com

Consultant

CITY SCHOOL DISTRICT OF NEW ROCHELLE
ISAAC E YOUNG MIDDLE SCHOOL
2023 CAPITAL PROJECT - PHASE 2B

Project Title



DATE	DESCRIPTION

Drawn By:	RC
Checked By:	MZ
Proj. #:	66-11-00-81-0-003-018
CSArch Proj. #:	188-2301.02
Issued for Bid:	06/13/2025

Sheet Title
AREA 'A' -
PARTIAL
SECOND
FLOOR LIFE
SAFETY PLAN

Sheet No.
IEYMS
LS121

CONSTRUCTION DOCUMENTS

CSARCH

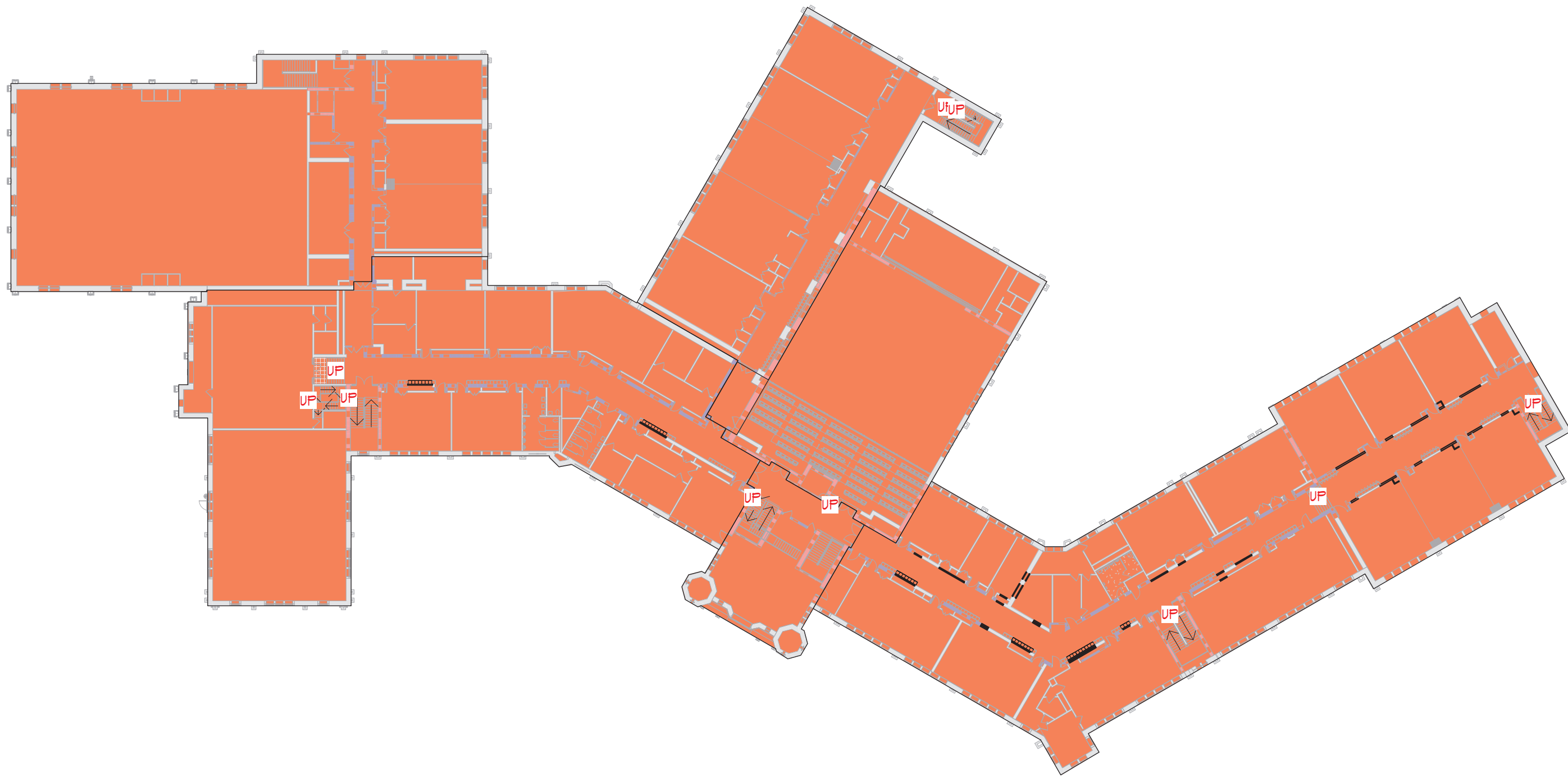
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KEY PLAN

A key plan map showing the location of the study area (shaded gray) within the larger context of the site. The study area is labeled 'C'. A north arrow is present in the bottom left corner.

FIRE AREA MODIFICATIONS (NYS SECTION 506)		
A	a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)
A	t	TABULAR ALLOWABLE AREA FACTOR (N.S.I.1513R OR S.I.31D VALUE) IN ACCORDANCE WITH TABLE 506.2
I	f	PERCENT INCREASE DUE TO PROTECTIVE CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)
N	s	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING
S	a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE, NOT TO EXCEED 10
W		CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.2
W	n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL
W	n	WIDTH IS 20 FEET OF PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH A PORTION OF THE EXTERIOR PERIMETER WALL
F		BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE
P		PERIMETER OF ENTIRE BUILDING (FEET)
p	p	$p = P/P - 0.251/X30$
p	p	$A_n = A_n \times (NS \times I)$
p	p	$1.00(X30 - 0.251)/X30(S30 + 0.251)$
p	p	$A_n = XXXX \times 0.0000$
p	p	$A_n = XXXX \times sq$

CS ARCH



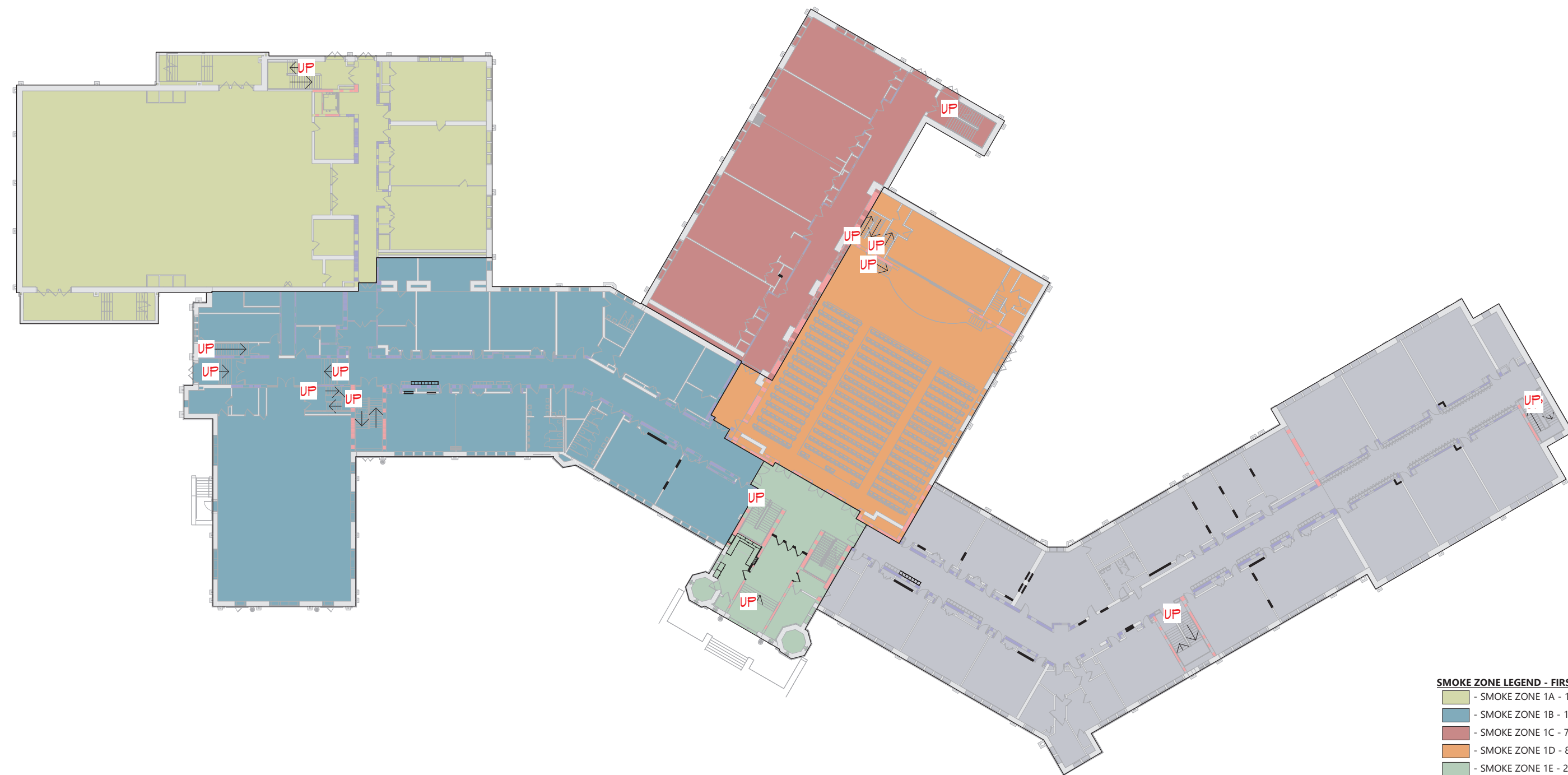
6 SECOND FLOOR LIFE FIRE AREA PLAN
LS124 1" = 40'-0"



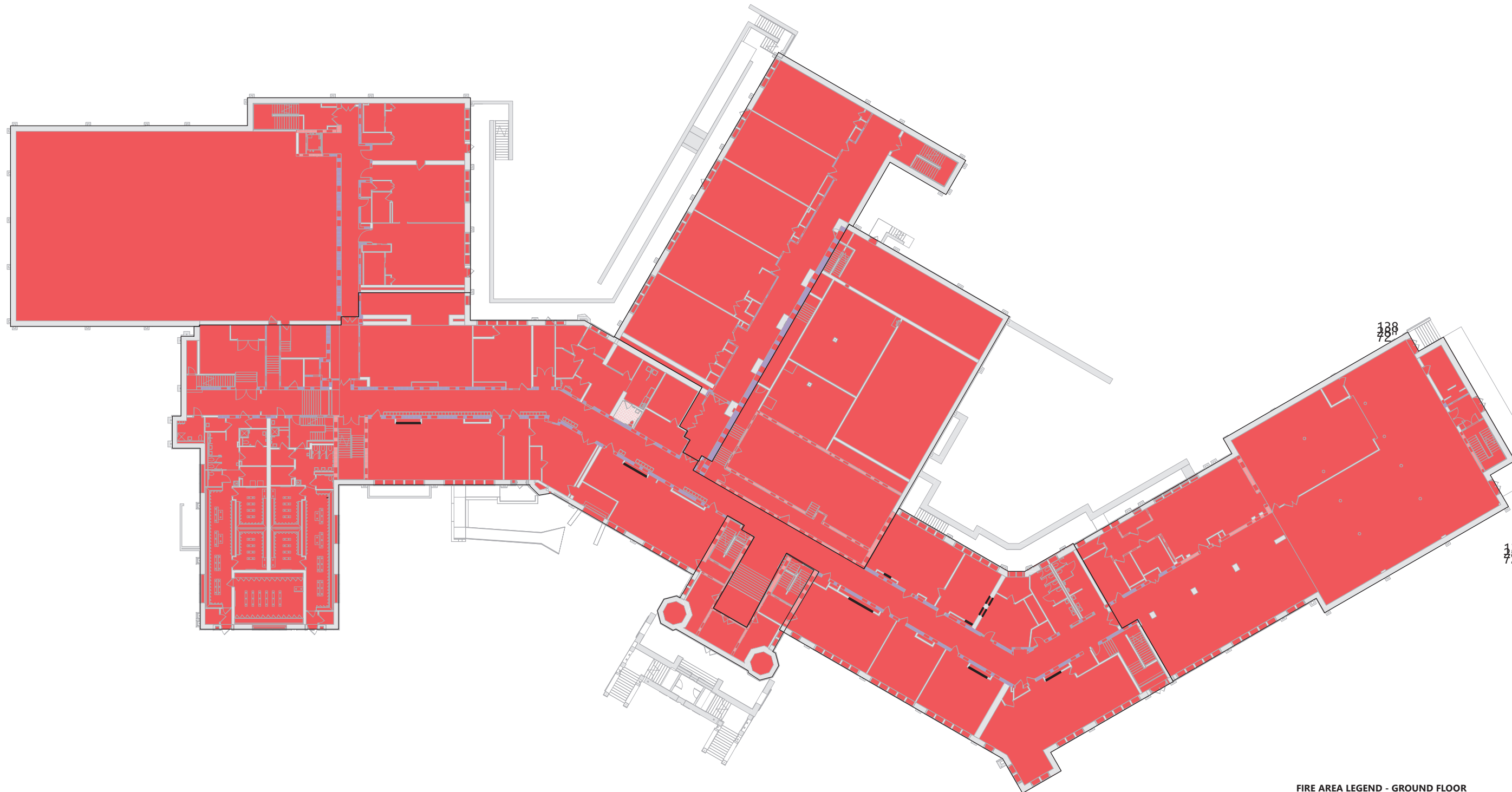
3 SECOND FLOOR SMOKE ZONE PLAN
LS124 1" = 40'-0"



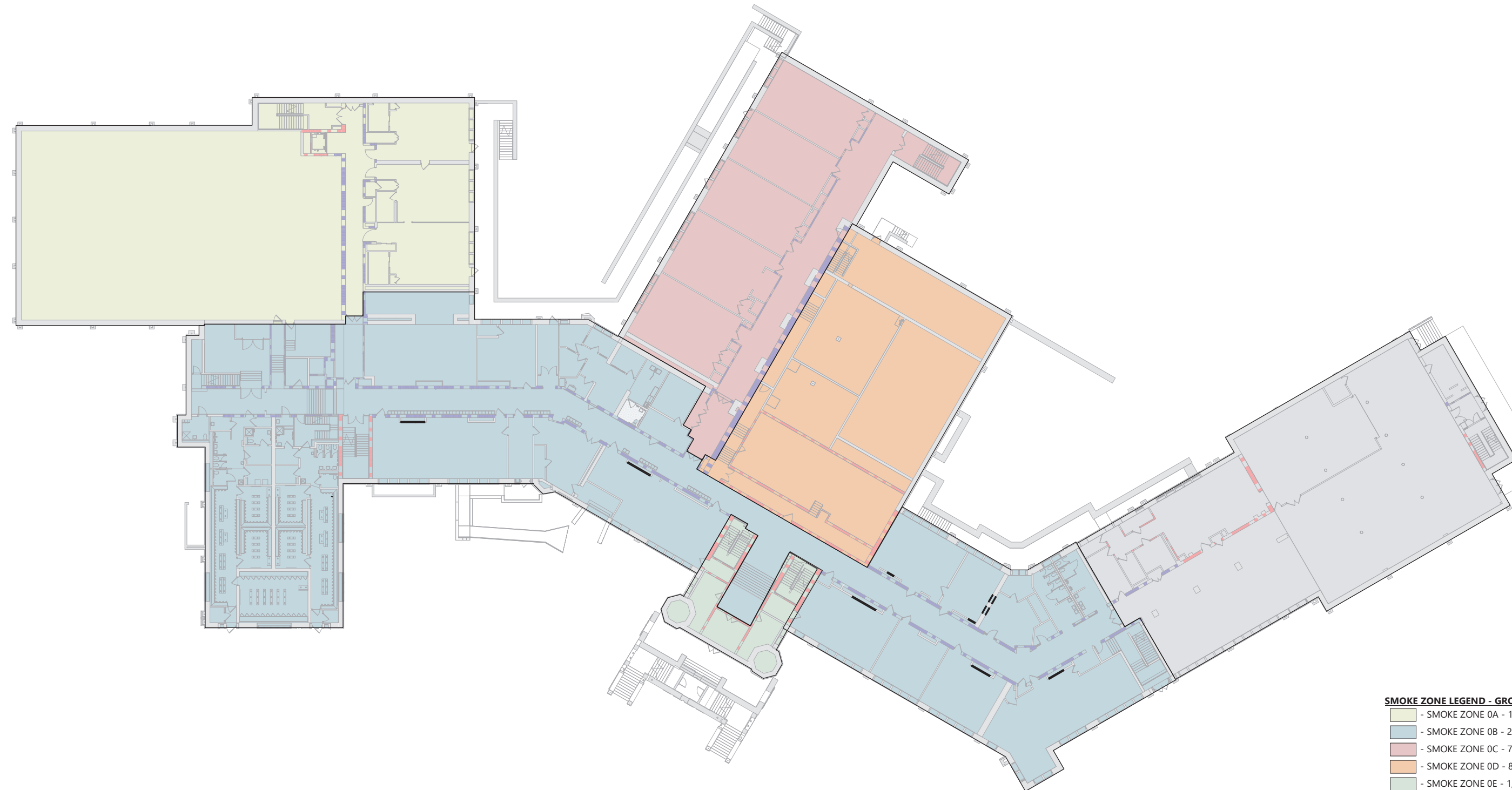
5 OVERALL FIRST FLOOR FIRE AREA PLAN
LS124 1" = 40'-0"



2 FIRST FLOOR SMOKE ZONE PLAN
LS124 1" = 40'-0"



4 OVERALL GROUND FLOOR FIRE AREA PLAN
LS124 1" = 40'-0"



1 GROUND FLOOR SMOKE ZONE PLAN
LS124 1" = 40'-0"

LIFE SAFETY PLAN LEGEND

- PRIMARY EXIT
- SECONDARY EXIT
- RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
- EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
- EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS

- AED AUTOMATED EXTERNAL DEFIBRILLATOR
- DF DRINKING FOUNTAIN
- ESP EMERGENCY EYEWASH STATION
- FE FIRE EXTINGUISHER, WALL MOUNT
- FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION NOTES

- SMOKE BARRIER
- CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMINGLING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE WALL

CODE NARRATIVE:

ORIGINAL CONSTRUCTION: 1425
CONSTRUCTION TYPE: IIB
GROUND FLOOR AREA: 45,042 SF
GROSS FIRST FLOOR AREA: 45,042 SF
ADDITION CONSTRUCTION: 1441
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 6,904 SF
GROSS FIRST FLOOR AREA: 6,904 SF
ADDITION CONSTRUCTION: 2000
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 17,911 SF
GROSS FIRST FLOOR AREA: 17,911 SF
CLASSIFICATION OF:

- LEVEL 1 ALTERATION
xxx SF
- LEVEL 2 ALTERATION
xxx SF

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH.	300
ASSEMBLY W/ FIXED	SECT.
ASSEMBLY W/OUT FIXED	
CONCENTRAT	7
UNCONCENTRAT	15
BUSINESS	150
CLASSROOM	20
VOCATIONAL ROOM	50
LOCKER	50
EXERCISE	50
KITCHENS	200
READING	50
STAGES AND	15

STRUCTURAL LOAD

RISK	II
DEAD	
CONCRETE	XXX
LIVE	
SLA	XXX
RAIN	
15-MINUTE RAINFALL	XXX
60-MINUTE RAINFALL	XXX
SNOW	
GROUND SNOW	XX
FLAT ROOF SNOW	XXX
SLOPED ROOF SNOW	XX
WIND	
ULTIMATE WIND	XXX
EXPOSURE	X
SEISMIC DESIGN	
SITE	X
SEISMIC DESIGN	X

FIRE AREA MODIFICATIONS (NYS SECTION 506)		
A _a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)	
A _t	TABULAR ALLOWABLE AREA FACTOR (NS.S131R OR S13D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)	
I _f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)	
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING	
S _a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE	
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2	
L _n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE	
P	PERIMETER OF ENTIRE BUILDING (FEET)	
I ₁	$I_1 = [P/P - 0.25]W/30$	$A_1 = A_a + (NS \times I_1)$
I ₂	$I_2 = [100/XX - 0.25] XX/30$	$A_2 = XXX + (XXX \times 0.3XX)$
I ₃	$I_3 = [0.3XX] 1.00$	$A_3 = XXX + (XXX)$
I ₄	$I_4 = XXX\%$	$A_4 = XXX \text{ sq ft}$

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Consultant

CITY SCHOOL DISTRICT OF NEW ROCHELLE
ISAAC E YOUNG MIDDLE SCHOOL
2023 CAPITAL PROJECT - PHASE 2B

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CSArch Proj. #:	188-2301-02
Issued for Bid:	06/13/2025

Sheet Title

LIFE SAFETY
DIAGRAM

Sheet No.
IEYMS
LS124

CONSTRUCTION DOCUMENTS