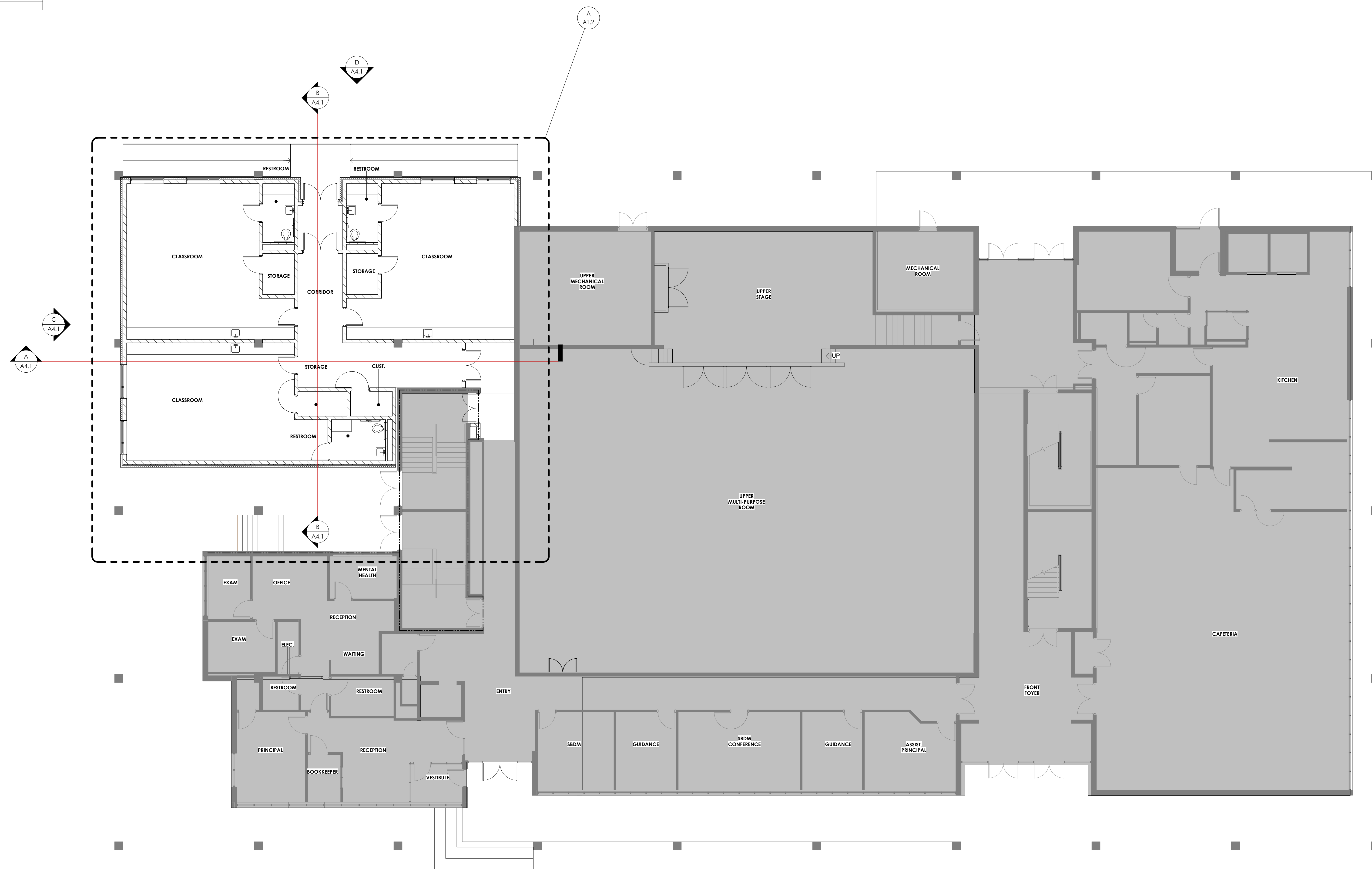
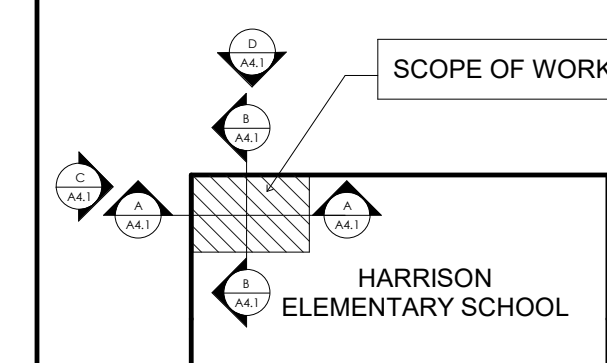




HARRISON ELEMENTARY PRESCHOOL ADDITION
Lexington, Kentucky

[illegible]

FIRST FLOOR- OVERALL PLAN
1/8" = 1'-0"



SCALE: NTS

2T rostarrant
architects
old layette avenue lexington, kentucky 40502 p.859.254.4018

NOT FOR
CONSTRUCTION

FLOOR PLAN(S)
HARRISON ELEMENTARY SCHOOL - PRESCHOOL ADDITION
FOR:
FAYETTE COUNTY BOARD OF EDUCATION
450 PARK PLACE, LEXINGTON , KY 40511

M.E.&P Engineer:
KFI Engineers,
3264 Lochness Dr.
Lexington, KY 40517
p 859.271.3246

Structural Engineer:
Structural Design Group, Inc.,
220 Great Circle Rd. Suite 106
Nashville, TN 37228
p 615.255.5537

BG#	23-124
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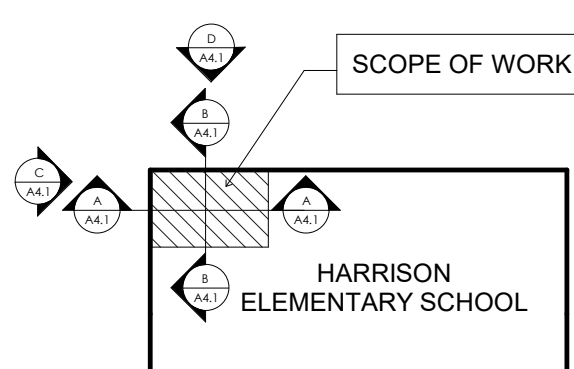
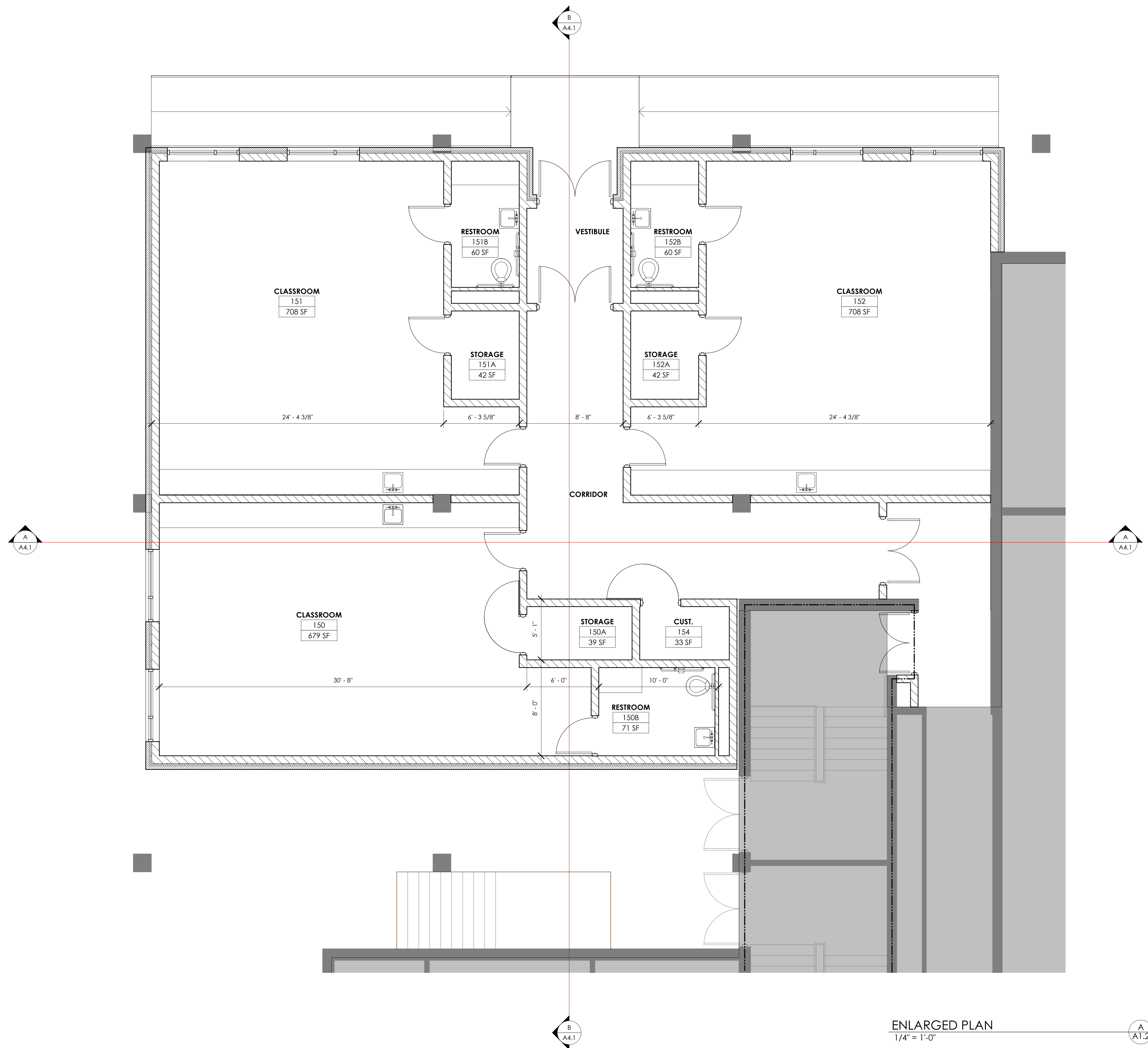
Project No:	2251
Drawn By:	FB
Rev'd By:	MH

SHEET RELEASE	
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A1.1

FLOOR PLAN(S)

DATE ISSUED:
03/14/2023

[illegible]

SCALE: NTS

2f rosARRANT
architects
101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

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CONSTRUCTION

ENLARGED FLOOR PLANS

HARRISON ELEMENTARY SCHOOL - PRESCHOOL ADDITION

FOR:

FAYETTE COUNTY BOARD OF EDUCATION
450 PARK PLACE, LEXINGTON, KY 40511

M,E & P Engineer:
KFI Engineers,
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Lexington, KY 40517
p 859.271.3246

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Structural Design Group, Inc.
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BG#	23-124
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Project No:	2251
Drawn By:	MH
Rev'd By:	FB

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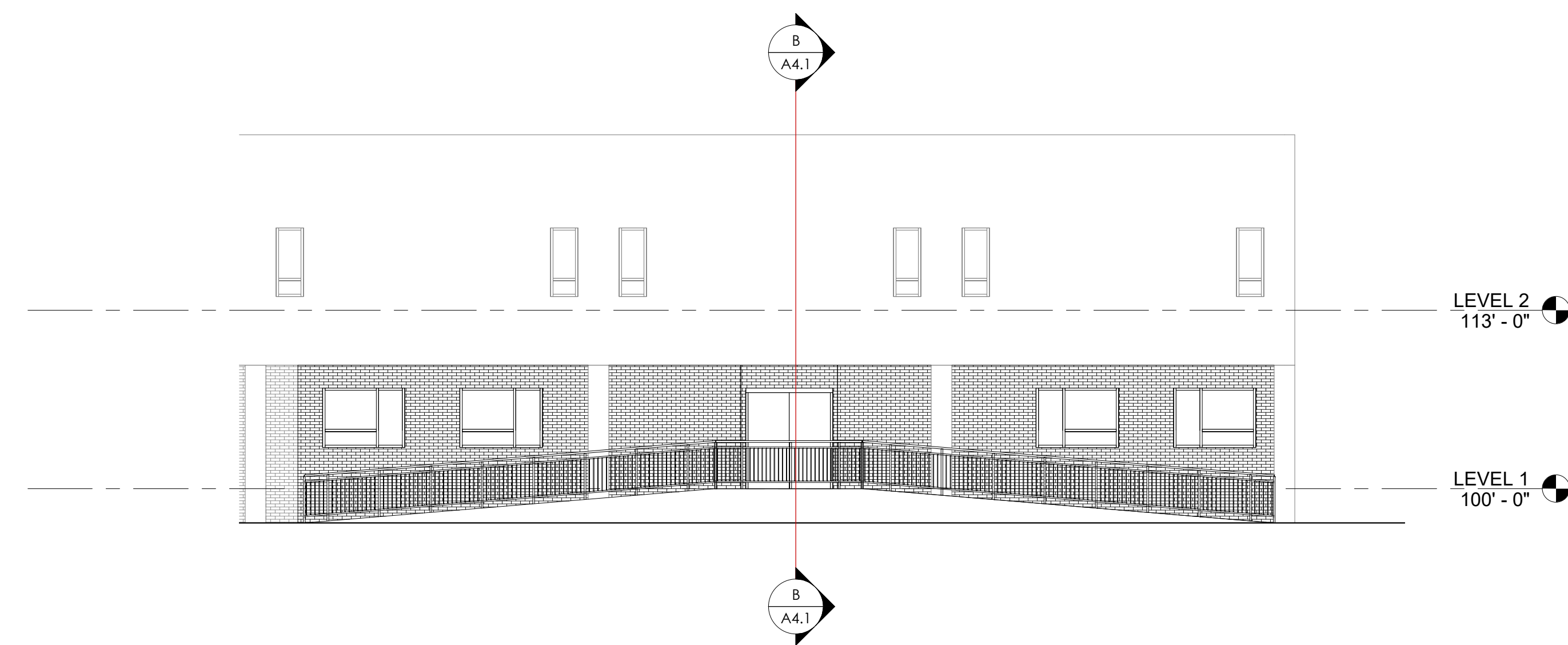
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SCHEMATIC DESIGN

SCHEMATIC DESIGN

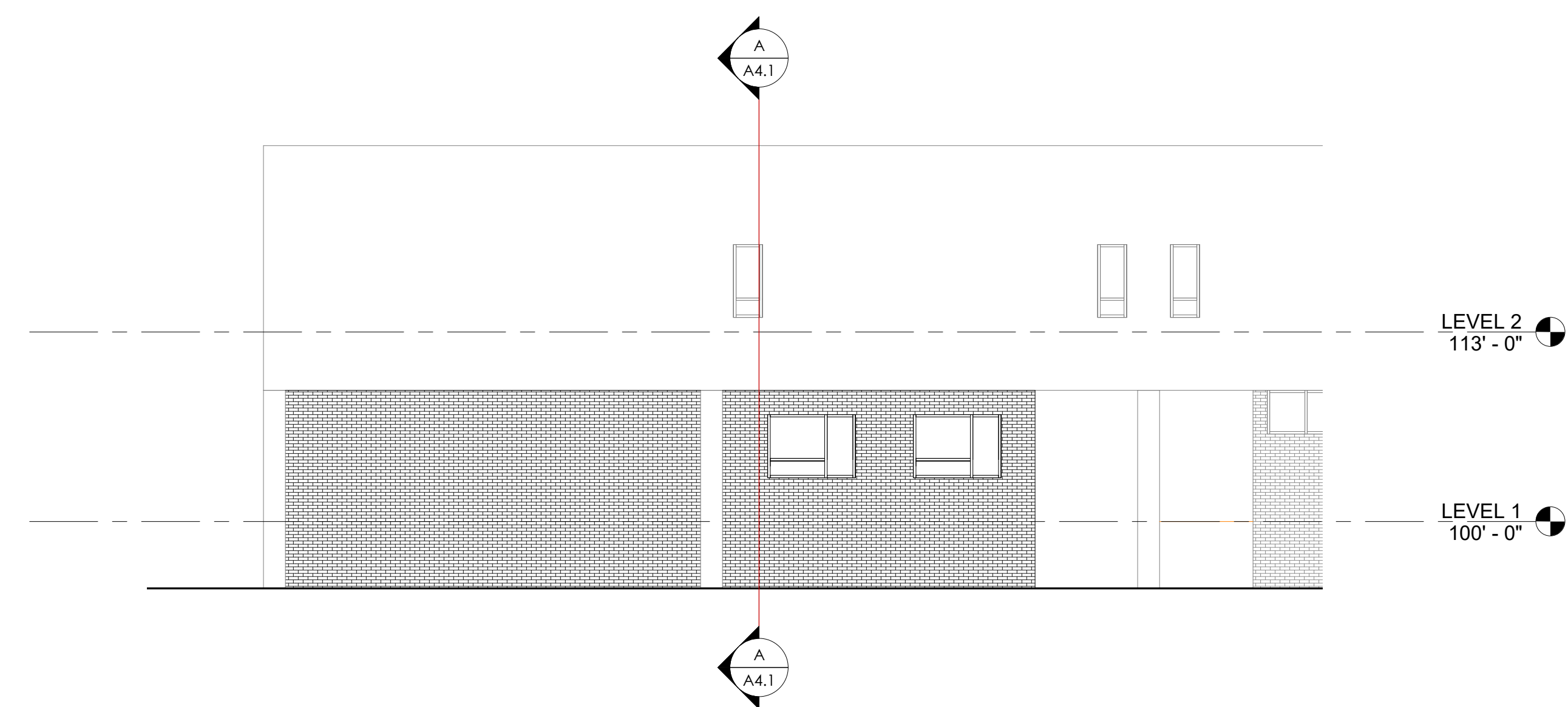
A1.2

ENLARGED FLOOR PLANS

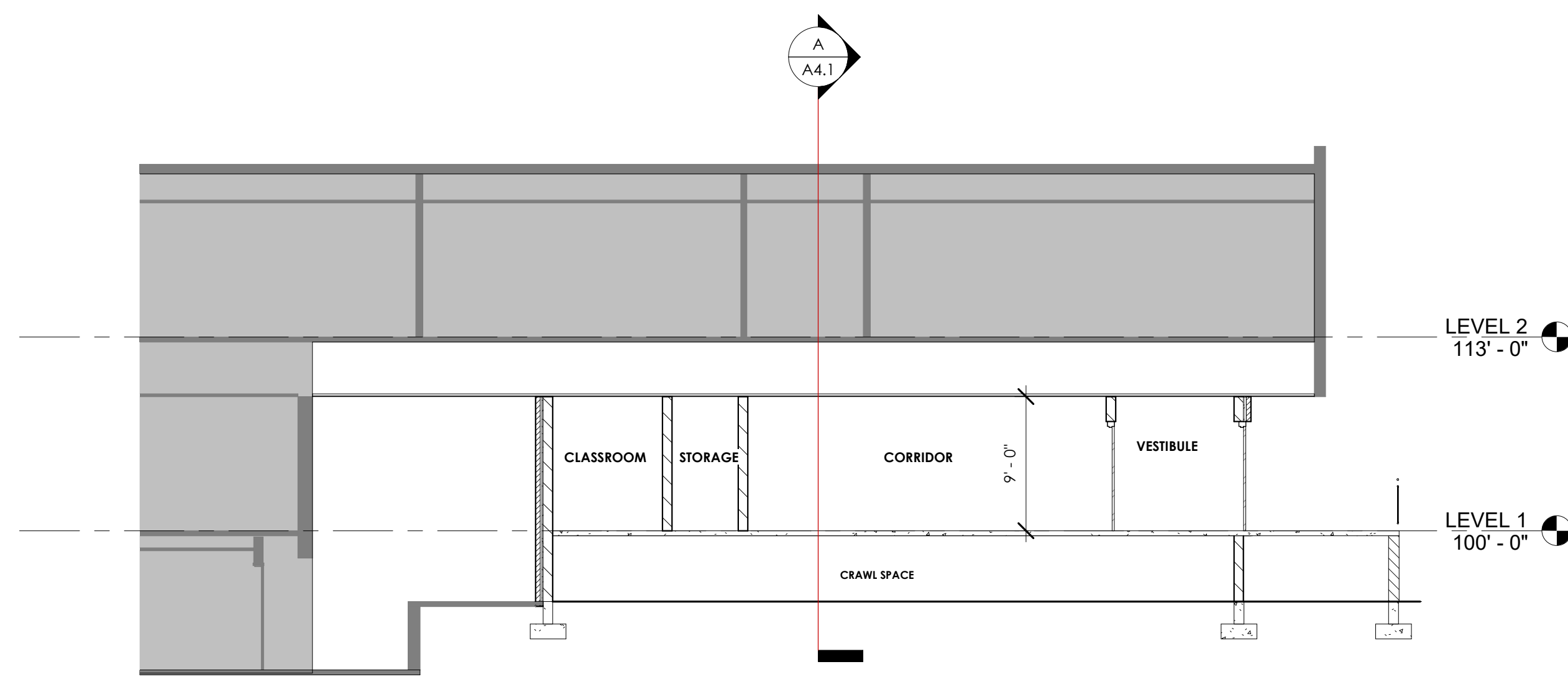
DATE ISSUED:
03/14/2023

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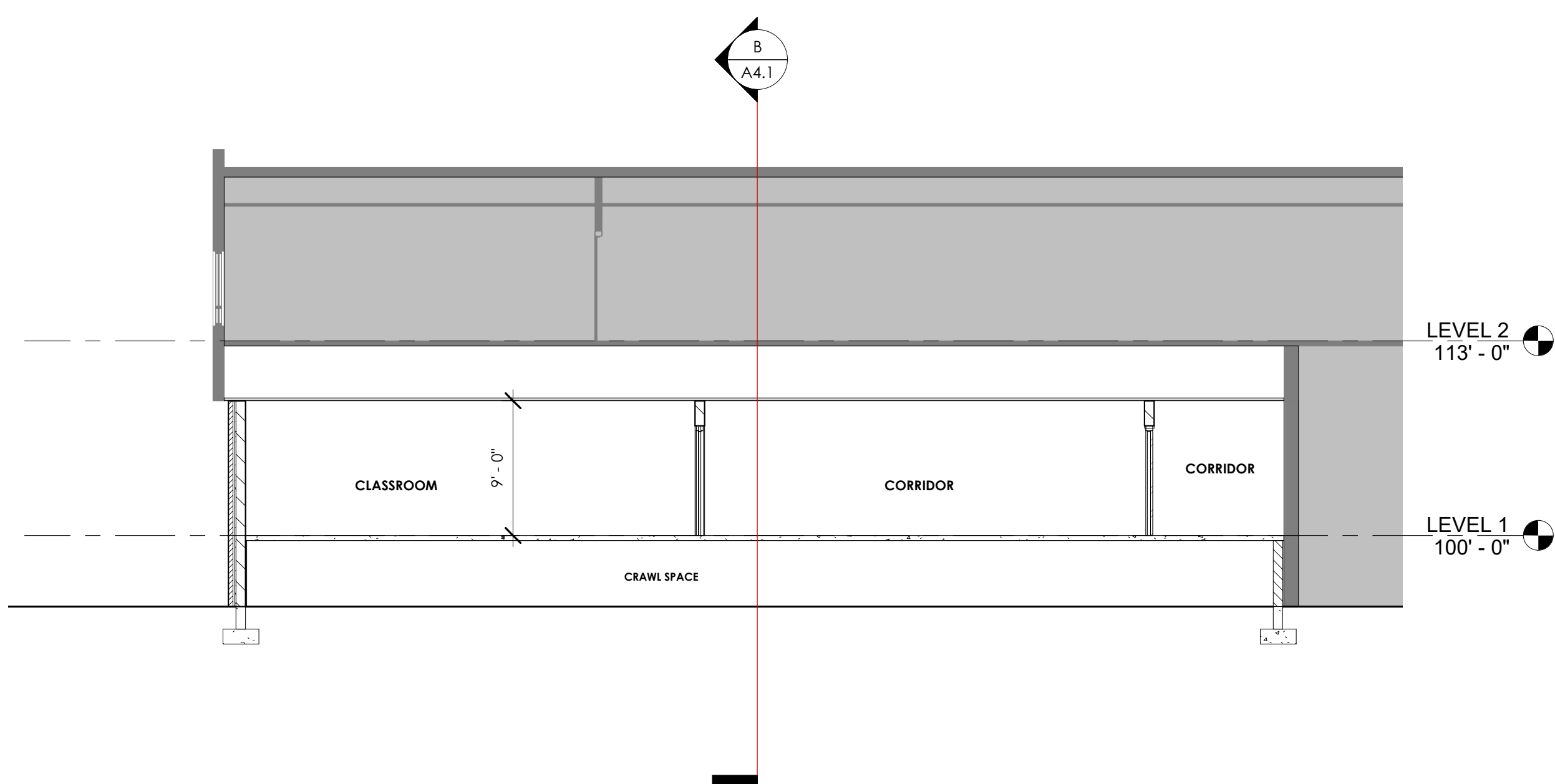
BUILDING ELEVATION
1/8" = 1'-0"



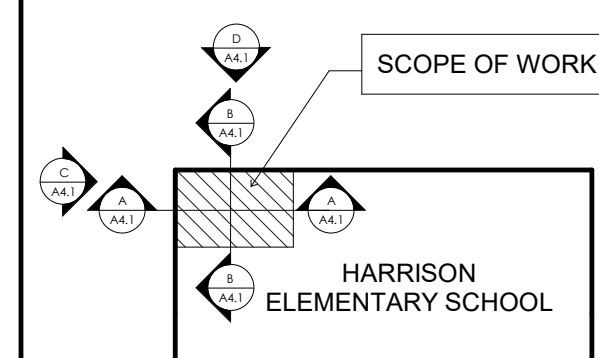
BUILDING ELEVATION
1/8" = 1'-0"



BUILDING SECTION
1/8" = 1'-0"



BUILDING SECTION
1/8" = 1'-0"



SCALE: NTS



Harrison Elementary School-Preschool Addition

Lexington, Kentucky

for the

Fayette County Board of Education
450 Park Place, Lexington , Kentucky 40511
p 859. 381.4100

BG # 23-124
RTA # 2251



101 old lafayette avenue
lexington, kentucky 40502
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STRUCTURAL ENGINEER: STRUCTURAL DESIGN GROUP, INC.
220 Great Circle Road, Suite 106 Nashville, Tennessee 37228
p 615.255.5537

M.E.P. ENGINEER: KFI ENGINEERS.
3264 Loch Ness Drive Lexington, Kentucky 40517
p 859.271.3246

HARDWARE CONSULTANT: CALVERT INDEPENDENT HARDWARE SPECIFICATIONS, LLC
307 Oakwood Circle Vine Grove, Kentucky 40175
p 502.930.2039

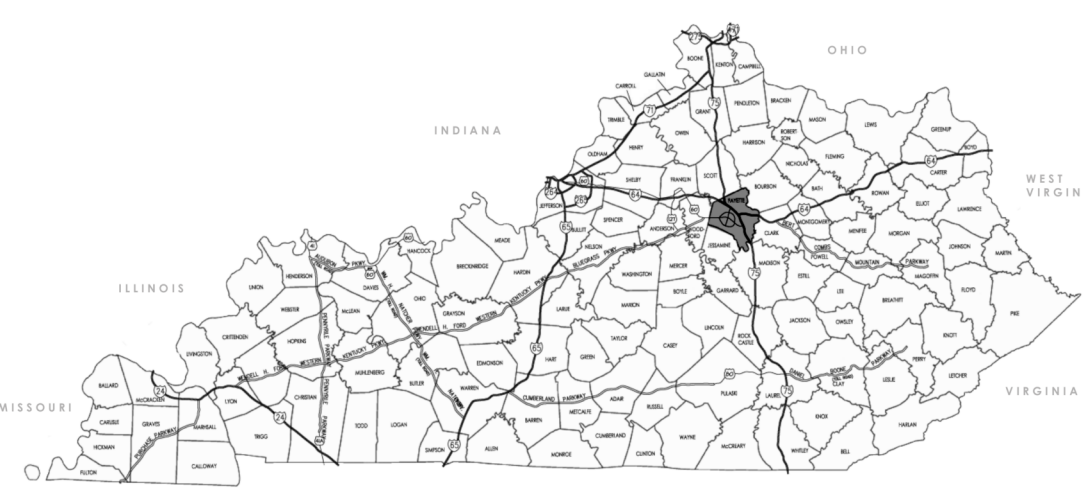
PROJECT SITE ADDRESS:

161, Bruce St, Lexington,
Kentucky
40507

VICINITY MAP



PROJECT VICINITY MAP



INDEX OF DRAWINGS

G0.0	COVER SHEET
A1.1	FLOOR PLANS
A1.2	ENLARGED FLOOR PLANS
A4.1	BUILDING SECTIONS & ELEVATIONS



NOT FOR
CONSTRUCTION

COVER SHEET
HARRISON ELEMENTARY SCHOOL - PRESCHOOL ADDITION
FOR:
FAYETTE COUNTY BOARD OF EDUCATION
450 PARK PLACE, LEXINGTON, KY 40511

M.E.&P. Engineer:
KFI Engineers
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p 615.255.5537

Client # 23-124

Project No: 2251
Drawn By: FB
Rev'd By: MH

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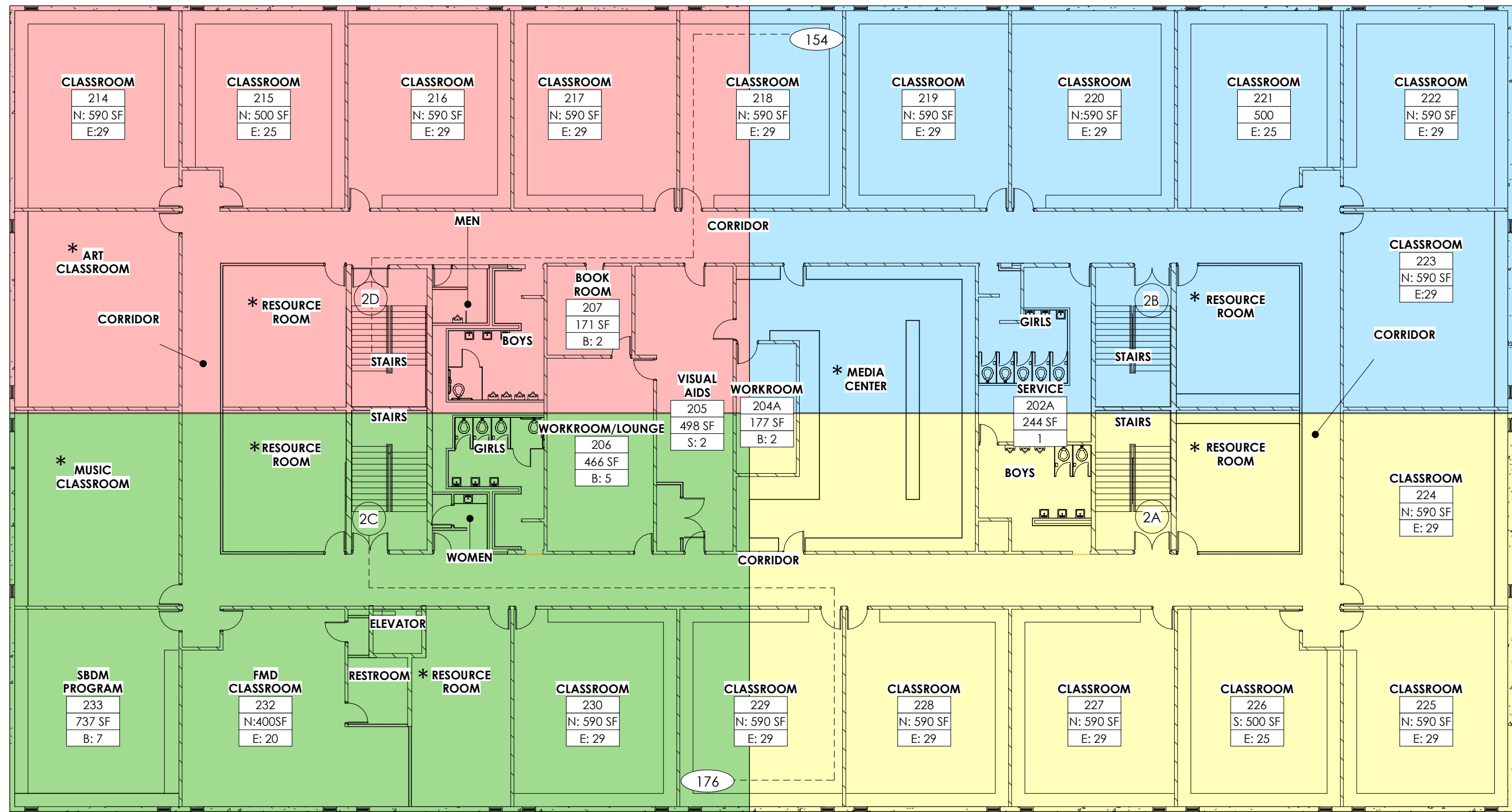
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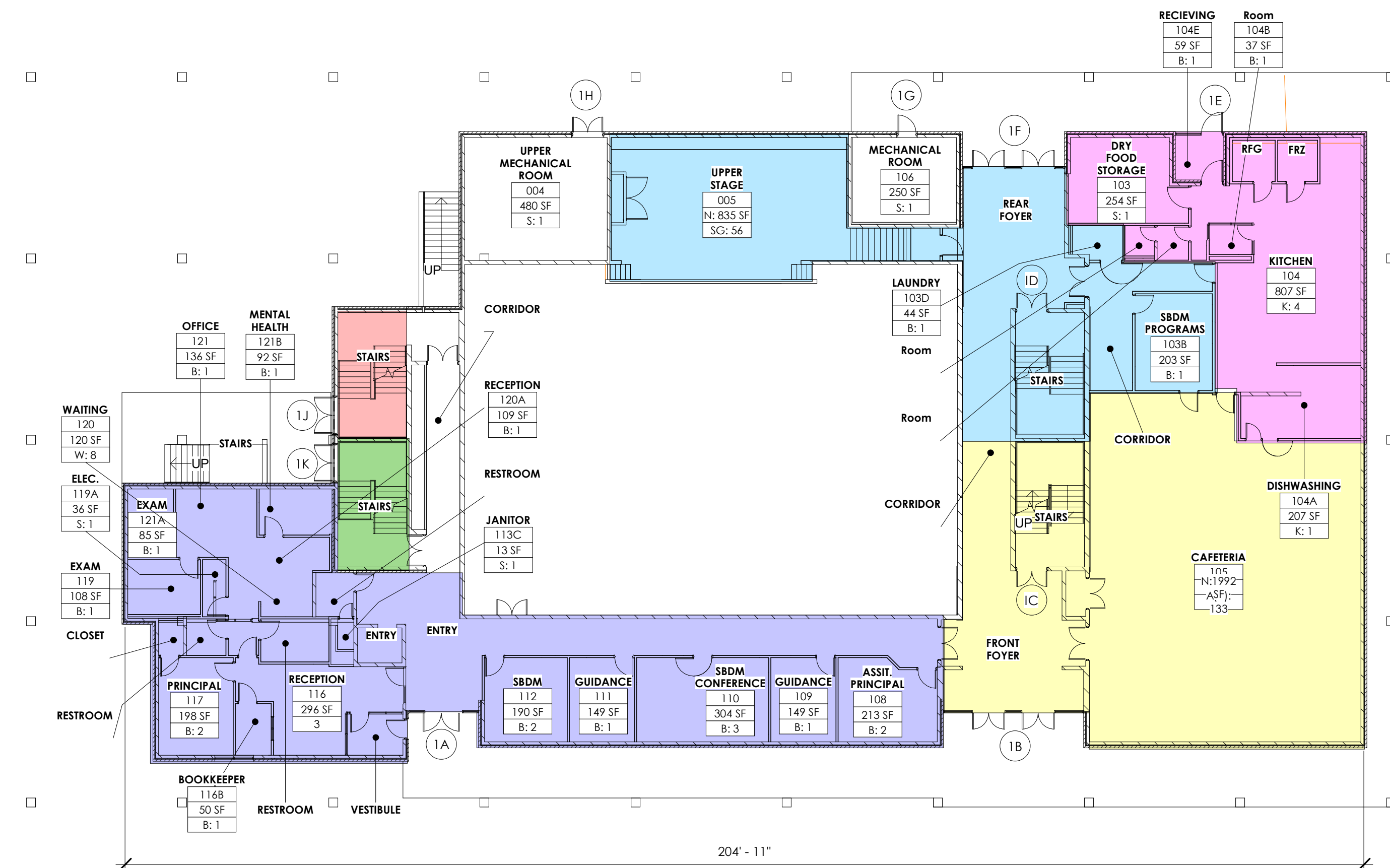
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COVER SHEET

DATE ISSUED:
03/14/2023

[illegible]

LIFE SAFETY - SECOND FLOOR
1/16" = 1'-0"



LIFE SAFETY - FIRST FLOOR
1/16" = 1'-0"

EGRESS COMPONENT TABLE						
BUILDING A-SECOND FLOOR:						
COMP. #	COMPONENT TYPE	REQUIRED WIDTH PER OCCUPANT	# OF OCCUPANTS	REQUIRED EGRESS WIDTH	MINIMUM PROPOSED EGRESS WIDTH	EXITS TO:
2A	STAIR	.3'	130	39"	60"	1C
2B	STAIR	.3'	130	39"	60"	1D
2C	STAIR	.3'	130	39"	60"	1K
2D	STAIR	.3'	130	39"	60"	1J
BUILDING A-BASEMENT: X TOTAL OCCUPANTS + X OCCUPANTS FROM FLOORS ABOVE = X OCCUPANTS REQUIRES X EXITS						
B1	DOOR	.2'	36	34"	64"	EXTERIOR
B2	STAIR	.3'	100	42"	60"	1K
B3	STAIR	.3'	87	26.1"	60"	1J
B4	STAIR	.3'	56	42"	36"	1F
B5	STAIR	.3'	87	42"	60"	1D
B6	STAIR	.3'	99	42"	60"	1C
BUILDING A-FIRST FLOOR: X TOTAL OCCUPANTS + X OCCUPANTS FROM FLOORS ABOVE = X OCCUPANTS REQUIRES X EXITS						
1A	DOOR	.2'	30	34"	64"	EXTERIOR
1B	DOOR	.2'	362	72.4"	136"	EXTERIOR
1C	DOOR	.2'	229	45.8"	68"	1B
1D	DOOR	.2'	217	43.4"	68"	1F
1E	DOOR	.2'	8	34"	34"	EXTERIOR
1F	DOOR	.2'	275	55"	136"	EXTERIOR
1G	DOOR	.2'	1	34"	34"	EXTERIOR
1H	DOOR	.2'	1	34"	34"	EXTERIOR
1J	DOOR	.2'	217	43.4"	68"	EXTERIOR
1K	DOOR	.2'	270	54"	68"	EXTERIOR

CODES AND APPLICABLE STANDARDS

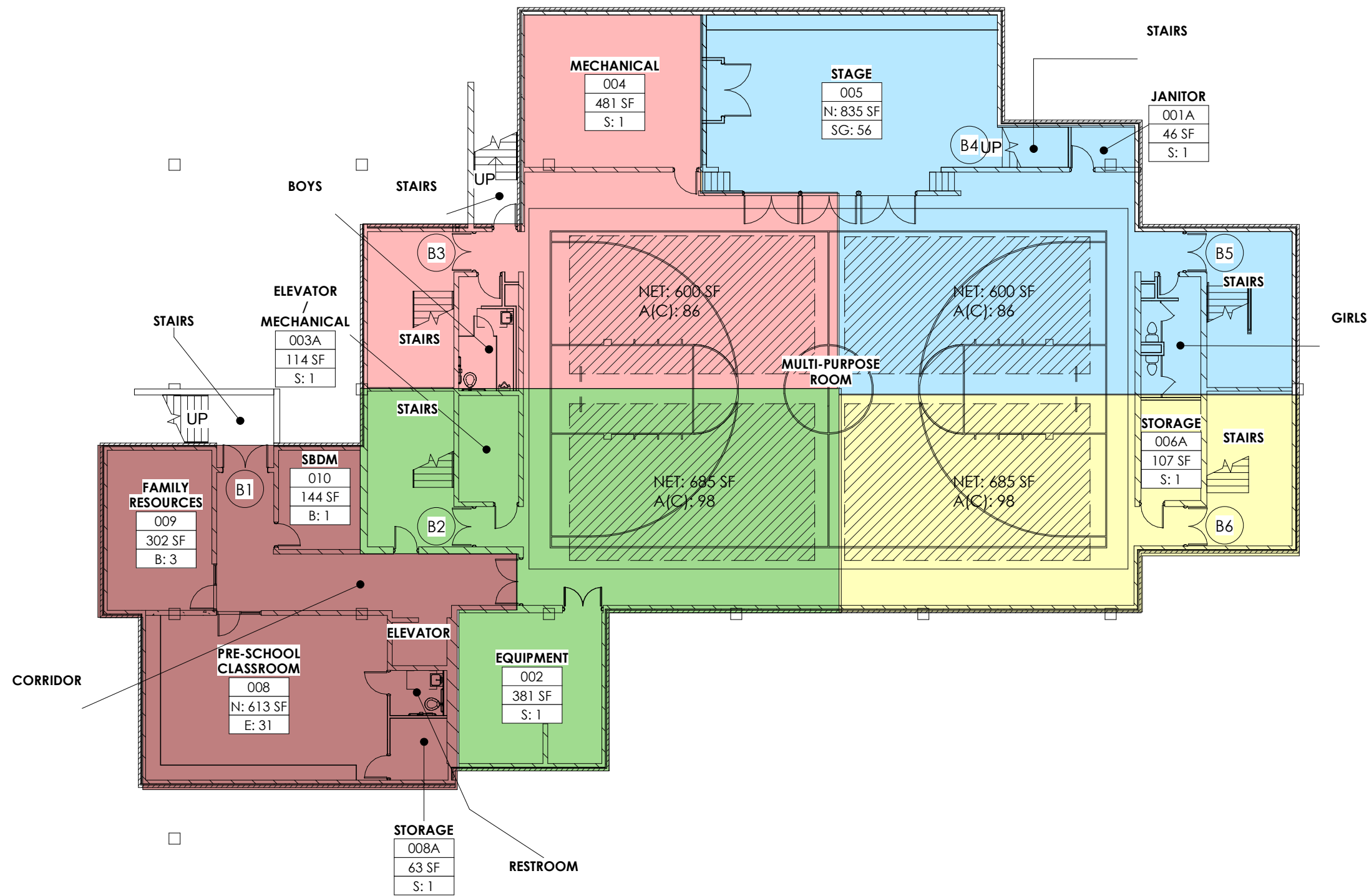
2018 KENTUCKY BUILDING CODE (BASED ON THE 2015 INTERNATIONAL BUILDING CODE)] 2009 ICC/ANSI A117.1--ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2012 INTERNATIONAL STANDARDS OF SAFETY, LATEST EDITION 2012 INTERNATIONAL FIRE CODE (IFC), FOR NEW CONSTRUCTION AS PER KBC REQUIREMENTS 2012 INTERNATIONAL FIRE CODE FOR PORTABLE EXTINGUISHERS, SECTION 906 2012 INTERNATIONAL ENERGY CONSERVATION CODE (FOR USE WITH INTERNATIONAL BUILDING CODE ONLY) 2015 INTERNATIONAL MECHANICAL CODE STATE BOILER CODE & REGULATIONS, LATEST EDITION ASME BOILER, PRESSURE VESSEL, AND PRESSURE PIPING CODES, LATEST EDITION KENTUCKY PLUMBING CODE, LATEST EDITION 2012 NFPA 01 - FIRE PREVENTION CODE 2010 NFPA 13 - SPRINKLER SYSTEMS 2010 NFPA 14 - STANDPIPE, HOSE SYSTEMS 2009 NFPA 54 - NATIONAL FUEL GAS 2017 NFPA 70 - NATIONAL ELECTRICAL CODE 2010 NFPA 72 - FIRE ALARM UNITED LABORATORIES [U] STANDARDS FOR FIRE RESISTANT CONSTRUCTION ASTM STANDARDS AND TESTING METHOD (ASTM) 702 KAR 410 FACILITY PROGRAMMING AND CONSTRUCTION CRITERIA PLANNING GUIDE, KENTUCKY DEPARTMENT OF EDUCATION [KDE]	
FIRE RESISTANCE REQUIREMENTS	
FIRE RESISTANCE PER CONSTRUCTION TYPE: 2B	
BUILDING ELEMENT: STRUCTURAL FRAME: BEARING WALLS, EXTERIOR: BEARING WALLS, INTERIOR: NONBEARING WALLS & PARTITIONS, EXTERIOR: NONBEARING WALLS & PARTITIONS, INTERIOR: ROOF CONSTRUCTION, INCL. SUPPORTING BEAMS & JOISTS: ROOF CONSTRUCTION, INCL. SUPPORTING BEAMS & JOISTS:	FIRE-RESISTANCE RATING ROGMT., HRS: 0 0 0 0 0 0 0
ADDITIONAL FIRE-RESISTANT CONSTRUCTION	
FIRE-RESISTANT ASSEMBLY TYPE: FIRE WALL FIRE BARRIERS VERTICAL EXIT ENCLOSURE VERTICAL SHAFT, INCL. ELEVATOR RECORDS ROOM IN ADMIN AREA (PER KDE) CORRIDORS	FIRE-RESISTANCE RATING ROGMT., HRS: 2 1 1 1 1 N/A DUE TO SPRINKLER
SMOKE-TIGHT CONSTRUCTION REQUIRED FOR INCIDENTAL USE AREAS AS FOLLOWS:	
INCIDENTAL USE AREA: FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU/HR INPUT ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HP REFRIGERANT MACHINERY ROOM LABORATORIES AND VOCATIONAL SHOPS	

HEIGHT AND AREA CALCULATIONS

BUILDING: EXISTING			
OCCUPANCY CLASSIFICATION: E		CONSTRUCTION TYPE: II-B	SPRINKLER: YES
BUILDING PERIMETER, P: 696'		OPEN PERIMETER, F: 399'	WIDTH, W: 20'
ALLOWABLE HEIGHT (FROM TABLE 504.3) 75'-0"	ACTUAL HEIGHT 26		
ALLOWABLE STORIES (FROM TABLE 504.4) 3	ACTUAL STORIES, S ₀ 2		
ALLOWABLE AREA (FROM TABLE 506.2) I=[F/P-0.25] x (IW/30) I=[399/696-0.25] x (20/30) I= 0.34 A ₁ =58,000 SF N ₅ =14,500 SF A ₀ =[A ₁ +{N ₅ xI}]/ x S ₀ A ₀ =[58,000+(14,500x 0.34)] x 1 A ₀ = 62,930 (each floor)	ALLOWABLE AREA EXISTING Second Floor: 27,519 First Floor: 18,125		
BUILDING: ADDITION			
OCCUPANCY CLASSIFICATION: E		CONSTRUCTION TYPE: II-B	SPRINKLER: YES
BUILDING PERIMETER, P: -		OPEN PERIMETER, F: -	WIDTH, W: 30'
ALLOWABLE HEIGHT (FROM TABLE 504.3) 75'-0"	ACTUAL HEIGHT ---		
ALLOWABLE STORIES (FROM TABLE 504.4) 3	ACTUAL STORIES, S ₀ ---		
ALLOWABLE AREA (FROM TABLE 506.2) A ₁ = 58,000 SF	ALLOWABLE AREA NEW ...		
NO CALCULATION REQD. ADDITION IS BELOW ALLOWABLE SF PER TABLE			

NOTE:

1. ADDITION DOES NOT CHANGE EXISTING OCCUPANCY TYPE, OCCUPANCY COUNT OR EGRESS COMPONENTS. ALL NEW OCCUPANTS IN THE ADDITION EGRESS THROUGH THE ADDITION WITHOUT ENTERING INTO THE EXISTING HIGH SCHOOL.
2. ALL ROOMS WITHIN THE ADDITION HAVE LESS THAN 50 PROPOSED OCCUPANTS. THEREFORE EACH ROOM MEETS THE REQUIREMENT FOR 1 EXIT AND MINIMUM CLEAR EGRESS SPACE OF 32'



LIFE SAFETY - BASEMENT
1/16" = 1'-0"

EGRESS PLAN - SYMBOL KEY

ROOM NUMBER GROSS/NET S.F. ## OCCUPANTS & OCCUPANCY TYPE	ROOM TAG W/ DESIGN OCCUPANCY NUMBER NOTE: AREAS OF FIXED FURNITURE HAVE BEEN SUBTRACTED FROM TOTAL ROOM SQUARE FOOTAGE TO ARRIVE AT TOTAL NUMBER OF OCCUPANTS. OCCUPANT TYPES E - EDUCATION (NSF) B - BUSINESS (GSF) S - STORAGE (GSF)	K - KITCHEN (GSF) L - LOCKER ROOM (GSF) M - MERCANTILE (GSF)
*	INDICATES NON-CONCURRENT USE OCCUPANCY	
COMPONENT SEE TABLE BELOW FLOOR		EGRESS COMPONENT TAG
-----  -----	EGRESS PATH	TOTAL UNPROTECTED EXIT ACCESS TRAVEL DISTANCE OPEN PERIMETER FRONTAGE
	-----  -----	DEMARCATION LINE BETWEEN EXISTING & NEW CONSTRUCTION FIRE PROTECTED AREA - I.E. ALL SURROUNDING WALLS ARE OF FIRE-RESISTANT ASSEMBLY - SEE FIRE RESISTANCE REQUIREMENTS ABOVE FOR ADDITIONAL INFORMATION
DURATION OF FIRE-RESISTANCE		

* SEE A0.1 SHEET FOR ADDITIONAL FIRE-RESISTANCE SYMBOLS THAT MAY APPEAR ON THIS SHEET.