Achievement First

ILUMINAR SCHOOL ADDITION

ADDRESS: 85 GARFIELD AVE, CRANSTON, RI 02920 | **PROJECT NUMBER: 21012.02**

PROPOSED GYM ADDITION

PROPOSED NEW MAIN ENTRY/DROP OFF

VOLUME 1 OF 1

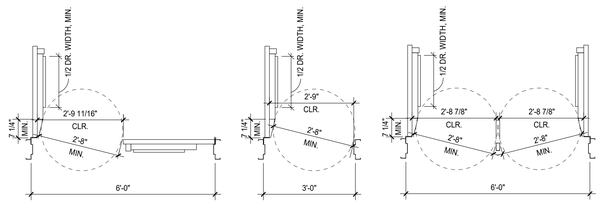
ABBRIDGED ARCHITECTURAL DRAWINGS (DPR REVIEW)

2/7/2023

KAESTLE BOOS ASSOCIATES, INC.	KAESTLE BOOS associates, inc	ARCHITECTURAL, INTERIORS & LANDSCAPE
PARISEAULT BUILDERS	PARISEAULT BUILDERS	CONSTRUCTION MANAGEMENT
B+AC, LLC		STRUCTURAL ENGINEER
AKAL ENGINEERING, INC.		MECHANICAL, PLUMBING & FIRE PROTECTION ENGINEER
ELECTRICAL SYSTEMS ENGINEERING, INC.		ELECTRICAL ENGINEER
GOOD HARBOR TECHMARK, LLC		SECURITY CONSULTANT
P.H.HAWLEY ASSOCIATES, LLC		HARDWARE CONSULTANT
GREEN INTERNATIONAL AFFILIATES, INC.		CIVIL ENGINEER

DRAWING LIST:

DOOR EGRESS WIDTH



KBA Egress Capacity Standard last modified: 03/2017

DOOR SIZE feet-inches	inches	CLEAR WIDTH inches *	USE GROUP: A, B, E, F, M, R, S, I1, I2, I3 — Inches required per person: 0.2	H — Inches required per person: 0.4	Sprinkler'd Buildings: NH State Building Code, MA (780 CMR 7th Ed.); RI State Building Code — Inches required per person: 0.15
			MAXIMUM OCCUPANT CAPACITY FOR EGRESS DOORS		
2'-10"	Single (existing only)	34	30.875	154	77	205
3'-0"	Single	36	32.875	164	82	219
3'-2"	Single	38	34.875	174	87	232
3'-4"	Single	40	36.875	184	92	245
3'-6"	Single	42	38.875	194	97	259
3'-8"	Single	44	40.875	204	102	272
3'-10"	Single	46	42.875	214	107	285
4'-0"	Single	48	44.875	224	112	299
			MAXIMUM OCCUPANT CAPACITY FOR EGRESS DOORS		
2'-10"	Pair (existing only)	68	63.000	315	157	420
3'-0"	Pair	72	67.000	335	167	446
3'-2"	Pair	76	71.000	355	177	473
3'-4"	Pair	80	75.000	375	187	500
3'-6"	Pair	84	79.000	395	197	526
3'-8"	Pair	88	83.000	415	207	553
3'-10"	Pair	92	87.000	435	217	580
4'-0"	Pair	96	91.000	455	227	606
			MAXIMUM OCCUPANT CAPACITY FOR EGRESS DOORS		
2'-10"	Pair with removable mullion (existing only)	68	61.500	307	153	410
3'-0"	Pair with removable mullion	72	65.500	327	163	436
3'-2"	Pair with removable mullion	76	69.500	347	173	463
3'-4"	Pair with removable mullion	80	73.500	367	183	490
3'-6"	Pair with removable mullion	84	77.500	387	193	516
3'-8"	Pair with removable mullion	88	81.500	407	203	543
3'-10"	Pair with removable mullion	92	85.500	427	213	570
4'-0"	Pair with removable mullion	96	89.500	447	223	596

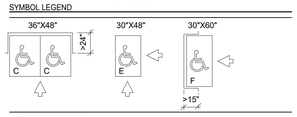
* Actual Net Unobstructed clear width of the door opening in inches (subtract .625 inches for stop and 2.5 inches for door thickness and hinge.) At 34 inches and above, projections up to 4 inches, i.e. panic devices, are permitted.

** Actual Net Unobstructed clear width of the door opening in inches (subtract 2 times 2.5 inches for door thickness and hinge.) At 34 inches and above, projections up to 4 inches, i.e. panic devices, are permitted.

*** Actual Net Unobstructed clear width of the door opening in inches (subtract 2 times 2.5 inches for door thickness and hinge and 1.5 inches for removable mullion from door opening size.) At 34 inches and above, projections up to 4 inches are permitted.

HANDICAP NOTES

SYMBOL LEGEND



AREAS OF REFUGE

PLUMBING FIXTURES (NON-SIMULTANEOUS USE)

DESIGN OCCUPANT LOAD BASED ON OCCUPANCY

BUSINESS (B)		ASSEMBLY (A) (ACCESSORY TO E)		EDUCATIONAL (E)		TOILET ROOMS INCLUDED IN PLUMBING COUNT:
MAIN OFFICE (MAIN LEVEL)	6P	CAFETORIUM	230P (A-2)	EDUCATIONAL	1,111P	MALE: X105, 113, X117, X228, X327
GUIDANCE	10P	LIBRARY (2ND)	12P (A-3)	TOTAL	1,111P	FEMALE: X104, 109, X116, 204, X326
TEACHER PLANNING (2ND)	12P	LIBRARY (3RD)	17P (A-3)	(TOTAL DOES NOT INCLUDE KINDERGARTEN CLASSROOMS: X128, X130, & X132.)		UNISEX: 112, X118A, 205, X223, X320, X328
TEACHER PLANNING (3RD)	7P	GYMNASIUM	947P (A-4)			
DEAN (3RD)	6P	TOTAL	1,206P			
MAIN OFFICE (THIRD LEVEL)	22P					
TOTAL	63P					

TOTAL DESIGN LOAD = 2,380 OCCUPANTS (1,190 GIRLS & 1,190 BOYS)

ACTUAL OCCUPANT LOAD

EDUCATIONAL PROJ. ENROLLMENT = xxx STUDENTS + xxx STAFF = xxx OCCUPANTS

TOTAL EXISTING FIXTURES

	MEN	WOMEN	UNISEX
WATER CLOSET	10	19	6
LAVATORY	11	11	6
URINAL	9	--	--

TOTAL FIXTURES AT COMPLETION OF PROJECT

	MEN	WOMEN	UNISEX
WATER CLOSET	13	19	6
LAVATORY	14	13	6
URINAL	9	--	--

PLUMBING FIXTURES- EDUCATIONAL USE

USE	OCCUPANCY		WATER CLOSETS MALE RATIO	WATER CLOSETS MALE	WATER CLOSETS FEMALE RATIO	WATER CLOSETS FEMALE	LAVATORIES MALE RATIO	LAVATORIES MALE	LAVATORIES FEMALE RATIO	LAVATORIES FEMALE	DRINKING FOUNTAINS RATIO	DRINKING FOUNTAINS DF	SERVICE SINK
	LOAD												
ASSEMBLY A-2	230	115 MALE 115 FEMALE	1 PER 75	1.53	1 PER 75	1.53	1 PER 200	0.57	1 PER 200	0.57	1 PER 500	0.46	
ASSEMBLY A-3	29	15 MALE 14 FEMALE	1 PER 125	0.12	1 PER 65	0.21	1 PER 200	0.07	1 PER 200	0.07	1 PER 500	0.05	
ASSEMBLY A-4	947	474 MALE 473 FEMALE	1 PER 75	6.32	1 PER 40	11.82	1 PER 200	2.37	1 PER 150	3.15	1 PER 1,000	0.94	1 REQ'D
BUSINESS B	63	32 MALE 31 FEMALE	1ST 50: 1 PER 25 >50: 1 PER 50	1.28	1ST 50: 1 PER 25 >50: 1 PER 50	1.24	1ST 80: 1 PER 40 >80: 1 PER 80	0.80	1ST 80: 1 PER 40 >80: 1 PER 80	0.77	1 PER 100	0.63	
EDUCATIONAL E	1,111	556 MALE 555 FEMALE	1 PER 50	11.12	1 PER 50	11.10	1 PER 50	11.12	1 PER 50	11.10	1 PER 100	11.11	
SUBTOTALS				20.37		25.90		14.93		15.66		13.19	
REQUIRED TOTALS				21		26		15		16		14	
PROVIDED				25		22		14		13		6	3

NOTE:
- IN PUBLIC MENS TOILETS AT LEAST 1 URINAL IS PROVIDED & URINALS ARE NOT SUBSTITUTED FOR MORE THAN 67% OF THE REQUIRED NUMBER OF WATER CLOSETS.
- REQUIRED H.C. TOILETS 1 PER TOILET ROOM. 1 + AN ADDITIONAL AMBULATORY-ACCESSIBLE COMPARTMENT IF 6 OR MORE.
- ALL DRINKING FOUNTAINS ARE ACCESSIBLE, MIN. OF 50% REQUIRED TO BE ACCESSIBLE, BUT NOT LESS THAN ONE ACCESSIBLE DRINKING FOUNTAIN IS PROVIDED ON EACH FLOOR

FACILITY INFORMATION

PROJECT NUMBER:	21000.00
BUILDING:	ACHIEVEMENT FIRST - ILUMINAR SCHOOL
LOCATION:	85 GARFIELD AVE.
DATE OF ORIGINAL CONSTRUCTION:	2003
DATES OF ADDITIONS:	-

CODE INFORMATION - BUILDING #X

DATE OF ORIGINAL CONSTRUCTION: 2003

DATES OF ADDITIONS: -

1. GROUP CLASSIFICATION (Chapter 3)
   (PRIMARY): E - EDUCATIONAL
   (INCIDENTAL): ACCESSORY ASSEMBLY & STORAGE
2. CONSTRUCTION TYPE (Chapter 6)
   MINIMUM TYPE REQUIRED: IIB
   ACTUAL TYPE PROVIDED: (EXISTING) IIB
   (NEW) IIB
3. BUILDING HEIGHT (Chapter 5)
   ALLOWABLE HEIGHT: 3 STORIES / 75 FEET
   ACTUAL HEIGHT: 3 STORIES / 45 FEET
   STORIES ABOVE GRADE: 3
4. BUILDING AREA (Chapter 5)

BUILDING AREA: (EACH FLOOR)	LOWER LEVEL	MAIN LEVEL	SECOND LEVEL	THIRD LEVEL
EXIST. CONSTRUCTION (S.F.)	2,036	19,975	19,975	19,975
NEW CONSTRUCTION (S.F.)	0	12,757	2,933	0
TOTAL FLOOR AREA (S.F.)	2,036	32,732	22,908	19,975
TOTAL BUILDING AREA (S.F.)				77,651

5. AREA MODIFICATIONS TO TABLE 503
   (for each separate building as defined by fire walls and/or exterior walls)

TOTAL PERIMETER =	146'-8" (NORTH)	404'-7" (EAST)	397'-8" (WEST)	133'-8" (SOUTH)
OPEN PERIMETER =	146'-8" (NORTH)	404'-7" (EAST)	397'-8" (WEST)	133'-8" (SOUTH)

TOTAL FRONTAGE (F) 1082'-7" (building perimeter which fronts on a public way or open space having 20 feet open min. width)
PERIMETER (P) 1082'-7" (total building perimeter)

WIDTH OF OPEN SPACE (W) = 30

$I_f = \frac{1}{100}\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$

% FRONTAGE INCREASE (I_f) = 75 (506.2)

Note: see code reference sheet for total and open perimeter dimensions

6. CASE 1 - SINGLE OCCUPANCY, SINGLE STORY (506.2.1)

$A_a = [A_1 + (NS \times I_f)] \times S_a$

a) MULTISTORY ALLOWABLE

A_a = [43,000 + (14,500 x .75)] x 3

A_a = 163,125

163,125 sf (ALLOWABLE) > 61,961 sf (ACTUAL) (PASS)

b) SINGLE STORY ALLOWABLE

A_a = [43,000 + (14,500 x .75)] x 1

A_a = 54,375

54,375 sf (ALLOWABLE) > 32,732 sf (ACTUAL) (PASS)

7. CASE 2 - MIXED OCCUPANCY SEPARATED USES (302.3.2) - NOT USED (Allowable Area 508.4)
8. FIRE-RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS (Table 601)
   1. STRUCTURAL FRAME: INCLUDING COLUMNS, GIRDERS, TRUSSES: 0 HR(S)
   2. BEARING WALLS: (Higher of Tables 601 and 602) EXTERIOR: 0 HR(S); INTERIOR: 0 HR(S)
   3. NONBEARING WALLS AND PARTITIONS (Table 602) EXTERIOR: 0 HR(S)
   4. NONBEARING WALLS AND PARTITIONS INTERIOR: 0 HR(S)
   5. FLOOR CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS): 0 HR(S)
   6. ROOF CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS): 0 HR(S)
9. OCCUPANCY LOAD (REFER TO CODE PLAN)
   DESIGN TOTAL FOR EACH FLOOR (list all floors)
   LOWER LEVEL 6
   MAIN LEVEL 1,441
   SECOND LEVEL 514
   THIRD LEVEL 518
   EXIT CAPACITY FOR EACH FLOOR (list all floors)
   LOWER LEVEL 164
   MAIN LEVEL 3,671
   SECOND LEVEL 803
   THIRD LEVEL 643
   DESIGN TOTAL FOR FACILITY 2,473
   TOTAL EXIT CAPACITY FOR FACILITY 5,117
10. MODIFICATIONS
    PROVIDE MODIFICATION NUMBER AND CODE SECTION NUMBER BEING MODIFIED.
    (a) APPROVED
    (b) PENDING
    (c) EXISTING
11. ACCESSIBLE BUILDING X DESIGNATED
    _____ NON-DESIGNATED
12. MINIMUM PLUMBING FIXTURE COUNT (I.P.C. Chapter 4) for each type of occupancy in each separate building or entire facility.
    (SEE PLUMBING FIXTURE TABLE THIS SHEET)
13. SPRINKLER PROTECTION X ENTIRE BUILDING
    _____ LIMITED AREA
14. CODES TO WHICH THIS PROJECT WAS DESIGNED:
    - SBC-1 RHODE ISLAND STATE BUILDING CODE INCLUDING: 2015 INTERNATIONAL BUILDING CODE (IBC)
    - SBC-3 RHODE ISLAND STATE PLUMBING CODE INCLUDING: 2015 INTERNATIONAL PLUMBING CODE
    - SBC-4 RHODE ISLAND STATE MECHANICAL CODE INCLUDING: 2015 INTERNATIONAL MECHANICAL CODE
    - SBC-5 RHODE ISLAND STATE ELECTRICAL CODE INCLUDING: 2015 INTERNATIONAL ELECTRICAL CODE
    - SBC-8 RHODE ISLAND STATE ENERGY CONSERVATION CODE INCLUDING: 2015 INTERNATIONAL ENERGY CONSERVATION CODE
    - RHODE ISLAND FIRE SAFETY CODE
    - RHODE ISLAND GENERAL STATUTES
    - CURRENT RHODE ISLAND PUBLIC HEALTH CODE
    - CURRENT OCCUPATIONAL SAFETY AND HEATH ADMINISTRATION (O.S.H.A.) - TITLE 29 LABOR
    - THE AMERICANS WITH DISABILITIES ACT, TITLE II, INCLUDING THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
    - 2009 ICC/ANSI A117.1 AMERICAN NATIONAL STANDARD, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ICC/ANSI) AS AMENDED BY RI
15. THRESHOLD BUILDING CONDITIONS (YES/NO)
16. BUILDING AREAS FOR GRANT CALCULATION (ENTIRE FACILITY) (to interior face of exterior wall)
    EXISTING CONSTRUCTION PRIOR TO THIS PROJECT 61,961 s.f.
    EXISTING BEING DEMOLISHED AND REMOVED (-0) s.f.
    TOTAL NEW CONSTRUCTION FOR THIS PROJECT 15,690 s.f.
    TOTAL BUILDING AREA 77,651 s.f.

CODE PLAN NOTES FOR INTERIOR FINISHES

INTERIOR FINISHES (FOR A FULLY SPRINKLERED BUILDING) SHALL BE PROVIDED AND CONFIRMED TO HAVE THE FOLLOWING CLASSIFICATION RATINGS :

WALLS AND CEILINGS (OTHER THAN TEXTILE)
BUSINESS AND EDUCATIONAL OCCUPANCIES:
- VERTICAL EXITS AND EXIT PASSAGEWAYS - CLASS B (CLASS C IF < 3 STORIES)
- EXIT ACCESS CORRIDORS AND OTHER EXIT WAYS - CLASS C
- ROOMS AND ENCLOSED SPACES - CLASS C

ASSEMBLY OCCUPANCIES:
- VERTICAL EXITS AND EXIT PASSAGEWAYS - CLASS B (CLASS C IF < 3 STORIES)
- EXIT ACCESS CORRIDORS AND OTHER EXIT WAYS - CLASS B
- ROOMS AND ENCLOSED SPACES - CLASS C

WALLS - TEXTILE
CLASS A OR IBC 803.6.1.1 OR 803.6.1.2

CEILINGS - TEXTILE
CLASS A

FLOOR FINISH
OCCUPANCIES A, B, E, H, I-4, M, R-1, R-2, S
- DOC FF-1 (CPSC 16 CFR, PART 1630)

OCCUPANCIES I-2, I-3
- VERTICAL EXITS, EXIT PASSAGEWAYS, AND EXIT ACCESS CORRIDORS - CLASS II
- OTHER AREAS - DOC FF-1 (CPSC 16 CFR, PART 1630)

CODE PLAN NOTES FOR INTERIOR FINISHES

INTERIOR FINISHES (FOR A NON-SPRINKLERED BUILDING) SHALL BE PROVIDED AND CONFIRMED TO HAVE THE FOLLOWING CLASSIFICATION RATINGS :

WALLS AND CEILINGS (OTHER THAN TEXTILE)
BUSINESS AND EDUCATIONAL OCCUPANCIES:
- VERTICAL EXITS AND EXIT PASSAGEWAYS - CLASS A
- EXIT ACCESS CORRIDORS AND OTHER EXIT WAYS - CLASS B
- ROOMS AND ENCLOSED SPACES - CLASS C

ASSEMBLY OCCUPANCIES A-1, A-2:
- VERTICAL EXITS AND EXIT PASSAGEWAYS - CLASS A
- EXIT ACCESS CORRIDORS AND OTHER EXIT WAYS - CLASS A (LOBBIES CLASS B)
- ROOMS AND ENCLOSED SPACES - CLASS B (CLASS C IF <300 PEOPLE)

ASSEMBLY OCCUPANCIES A-3, A-4, A-5:
- VERTICAL EXITS AND EXIT PASSAGEWAYS - CLASS A
- EXIT ACCESS CORRIDORS AND OTHER EXIT WAYS - CLASS A
- ROOMS AND ENCLOSED SPACES - CLASS C

WALLS - TEXTILE
IBC 803.6.1.1 OR 803.6.1.2

CEILINGS - TEXTILE
CLASS A

FLOOR FINISH
OCCUPANCIES A, B, E, H, I-4, M, R-1, R-2, S
- VERTICAL EXITS, EXIT PASSAGEWAYS, AND EXIT ACCESS CORRIDORS - CLASS II
- OTHER AREAS - DOC FF-1 (CPSC 16 CFR, PART 1630)

OCCUPANCIES I-2, I-3
- VERTICAL EXITS, EXIT PASSAGEWAYS, AND EXIT ACCESS CORRIDORS - CLASS I
- OTHER AREAS - DOC FF-1 (CPSC 16 CFR, PART 1630)

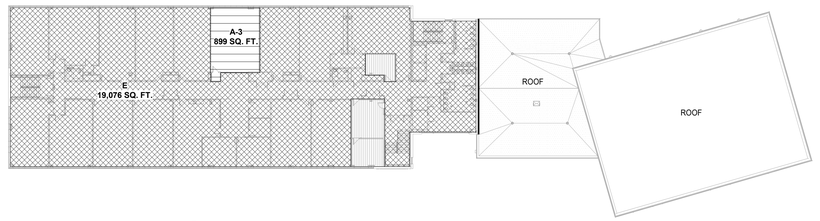
MEANS OF EGRESS

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT (TABLE 1004.1.2)

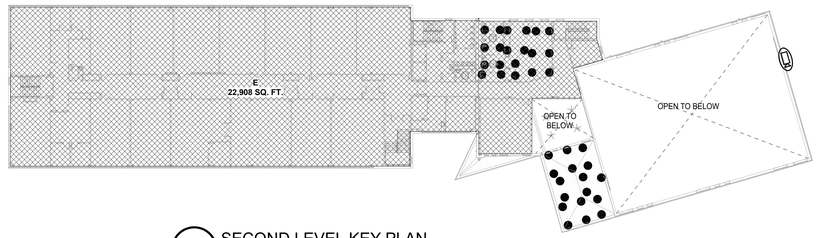
		FLOOR AREA IN S.F. PER OCCUPANT
1.	CLASSROOMS	20 S.F. NET
2.	SHOPS & VOCATIONAL	50 S.F. NET
3.	ASSEMBLY WITHOUT FIXED SEATING	7 S.F. NET
	TABLES AND CHAIRS	15 S.F. NET
4.	LIBRARY	50 S.F. @ READING 100 S.F. @ STACKS
5.	MECHANICAL AREAS	300 S.F. GROSS
6.	BUSINESS AREAS	100 S.F. GROSS

MAXIMUM LENGTH OF EXIT TRAVEL

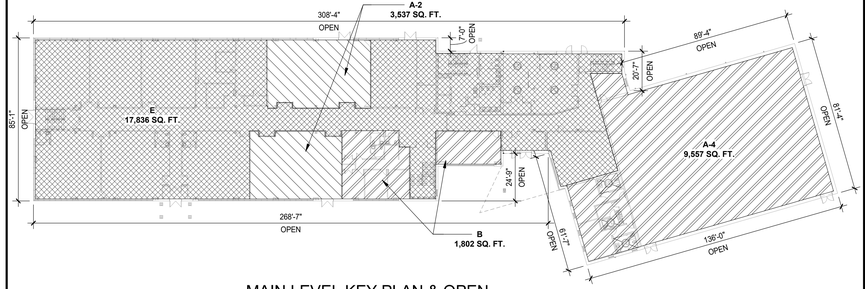
1.	I.B.C. & I.F.C. TABLE 1017.2	NON-SPRINKLERED	FEET 200' FEET
		SPRINKLERED	FEET 250' FEET



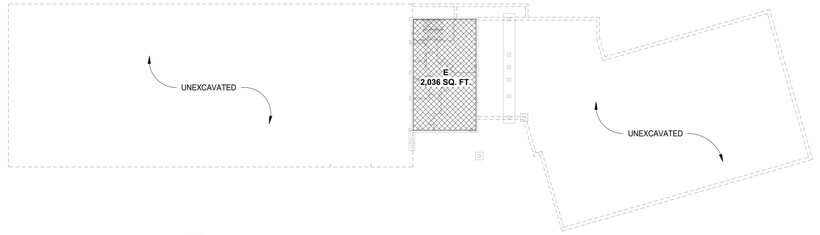
4 THIRD LEVEL KEY PLAN
1/32" = 1'-0"



3 SECOND LEVEL KEY PLAN
1/32" = 1'-0"



2 MAIN LEVEL KEY PLAN & OPEN PERIMETER PLAN
1/32" = 1'-0"



1 BASEMENT KEY PLAN
1/32" = 1'-0"

R-VALUE CALCULATIONS
ROOF: TAPERED INSULATION ASSEMBLY

1/2" MIN. TAPERED INSULATION	5.70
2.5" RIGID ISO INSULATION	14.40
2.5" RIGID ISO INSULATION	14.40
R-VALUE TOTAL:	34.50

R-VALUE BASE METHOD MIN. PER TABLE C402.1.3, ZONE 5A = R-30CI

R-VALUE CALCULATIONS
ROOF: SLOPED METAL DECK ASSEMBLY

2.5" RIGID ISO INSULATION	14.40
3" RIGID ISO INSULATION	17.25
R-VALUE TOTAL:	31.65

R-VALUE BASE METHOD MIN. PER TABLE C402.1.3, ZONE 5A = R-30CI

R-VALUE CALCULATIONS
MASONRY VENEER WITH METAL STUD BACK-UP

3" RIGID INSULATION	16.20
1-1/2" CLOSED CELL SPRAY FOAM INSULATION (R=6.6 PER INCH)	9.90
R-VALUE TOTAL:	26.10

R-VALUE BASE METHOD MIN. PER TABLE C402.1.3, ZONE 5A = R-13 + R-7.5 CI (ASSEMBLY TYPE: METAL FRAMED)

R-VALUE CALCULATIONS
MASONRY VENEER WITH C.M.U. BACK-UP

3" RIGID ISO INSULATION	16.20
R-VALUE TOTAL:	16.20

R-VALUE BASE METHOD MIN. PER TABLE C402.1.3, ZONE 5A = R-11.4CI (ASSEMBLY TYPE: MASS)

R-VALUE CALCULATIONS
METAL PANEL WITH METAL STUD BACK-UP

RIGID INSULATION (COMPOSITE NAIL BASE ASSEMBLY)	16.10
1-1/2" CLOSED CELL SPRAY FOAM INSULATION (R=6.6 PER INCH)	9.90
R-VALUE TOTAL:	26.00

R-VALUE BASE METHOD MIN. PER TABLE C402.1.3, ZONE 5A = R-13 + R-7.5 CI (ASSEMBLY TYPE: METAL FRAMED)

R-VALUE CALCULATIONS
METAL PANEL WITH C.M.U. BACK-UP

RIGID INSULATION (COMPOSITE NAIL BASE ASSEMBLY)	16.10
R-VALUE TOTAL:	16.10

R-VALUE BASE METHOD MIN. PER TABLE C402.1.3, ZONE 5A = R-11.4CI (ASSEMBLY TYPE: MASS)

BUILDING AREA LEGEND

- USE GROUP A-2 CAFETERIA
- USE GROUP A-3 LIBRARY
- USE GROUP A-4 GYMNASIUM
- USE GROUP B - BUSINESS
- USE GROUP E - EDUCATIONAL

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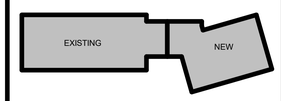
ISSUE DATE

DATE	DESCRIPTION
JUNE 13, 2022	ISSUED FOR BID

REVISIONS

DATE	DESCRIPTION

FOR ALL ABBREVIATIONS, SYMBOL LEGENDS, AND GENERAL NOTES SEE SHEET R0.01



KEY PLAN

PROJECT TRUE

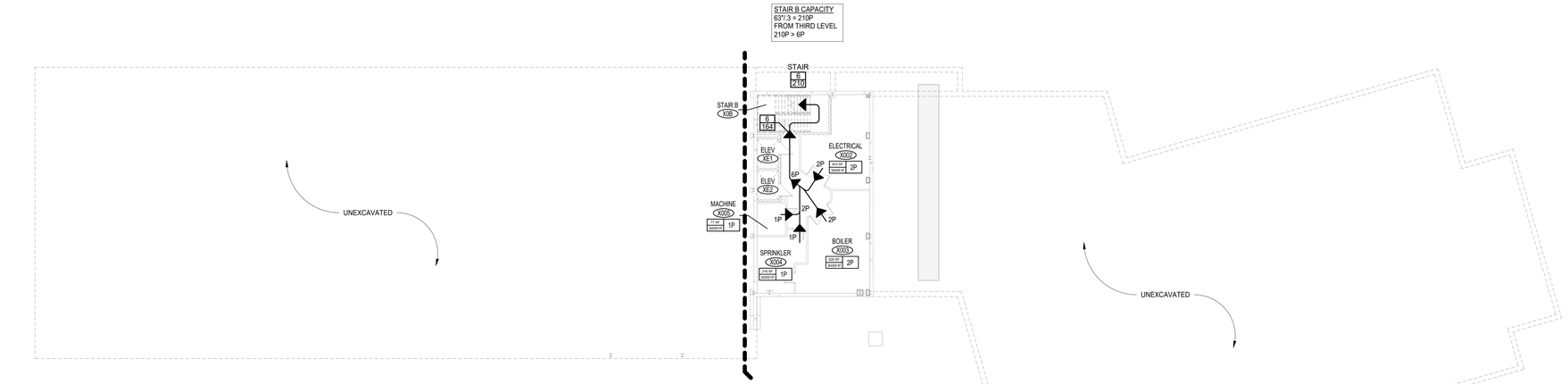
ACHIEVEMENT FIRST ILUMINAR SCHOOL ADDITION

85 GARFIELD AVE, CRANSTON, RI 02920

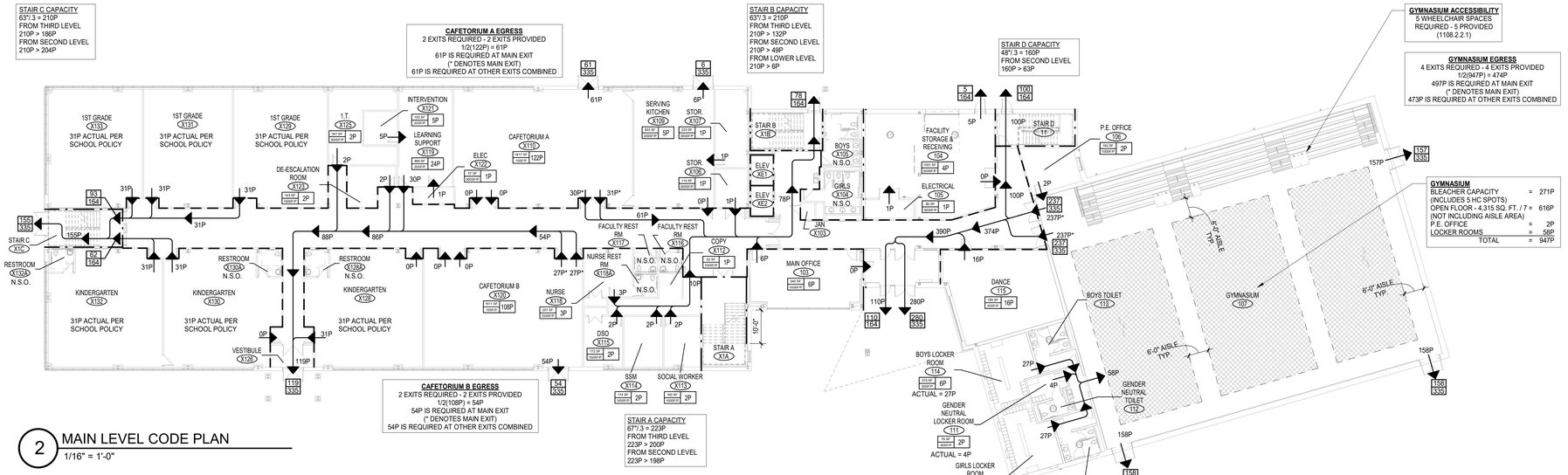
PROJECT NO.: 21012.02 DRAWN BY: AM, JPM

CODE REFERENCE SHEET

DRAWING NO.:
R1.00



1 BASEMENT CODE PLAN
1/16" = 1'-0"



2 MAIN LEVEL CODE PLAN
1/16" = 1'-0"

CODE PLAN LEGEND

EXIT CAPACITY
- ACTUAL EGRESS OF DOOR OR STAIR
- MAXIMUM ALLOWABLE EGRESS CAPACITY OF DOOR OR STAIR
- ROOM NAME / ROOM NUMBER
- MAXIMUM NUMBER OF ALLOWABLE OCCUPANTS
- AREA IN NET SQUARE FEET (GROSS SQUARE FEET)
- OCCUPANCY LOAD FACTOR
- 115' — PATH OF MAXIMUM TRAVEL DISTANCE TO EXIT
- 15 — DIRECTION OF TRAVEL TO EXIT
- HANDICAPPED ACCESSIBLE AREA OR EXIT

A = 33" x 48" B = 33" x 60" C = 36" x 48" D = 36" x 60" E = 30" x 48" F = 30" x 50"

- F.E. — FIRE EXTINGUISHER
- NSO — NON - SIMULTANEOUS OCCUPANCY

SEPARATIONS ARE DESIGNATED AS FOLLOWS:
- IMAGINARY LOT LINE
- 2 HOUR FIRE-RESISTANCE RATED FIRE BARRIER
- 1 HOUR FIRE-RESISTANCE RATED FIRE BARRIER
- SMOKE RESISTANT SEPARATION

GENERAL NOTES

1. FOR SPECIFIC WALL DESIGNATIONS AND RATED DESIGNS SEE R0.01 AND A1.00 SERIES.
2. OCCUPANT LOAD AS ASSEMBLY (7 S.F. NET) UNLESS OTHERWISE NOTED REFER TO CODE PLAN.

CODE PLAN NOTES NEW & EXISTING CONSTRUCTION

A. ALL SPACES, FACILITIES AND PROGRAMS REQUIRED BY CODE TO BE ACCESSIBLE TO PHYSICALLY DISABLED PERSONS SHALL BE ACCESSIBLE.
- WHERE A WORKSTATION IS PROVIDED, AN ACCESSIBLE WORKSTATION IS REQUIRED.
- WHERE A SINK IS PROVIDED, AN ACCESSIBLE SINK WITH PIPE PROTECTION IS REQUIRED.
- ALL LABS AND SHOPS SHALL HAVE AN ACCESSIBLE EYE AND BODY WASH.
- ALL ACCESSORIES SHALL MEET REACH RANGES FOR FRONT OR SIDE APPROACH.
- ALL ACCESSIBLE ROUTES THROUGH BUILDING SHALL PROVIDE A MINIMUM 32 INCHES CLEARANCE (DOORWAYS IN
- ALL ACCESSIBLE SPACES, FURNISHING FIXTURES AND EQUIPMENT, AND ALL OPERATIONAL AND ACCESSIBLE ROUTE CLEARANCES SHALL MEET REQUIREMENTS OF SECTION 504, REHABILITATION ACT 1973 INCLUDING UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) AND 504 REGULATIONS, ICC/ANSI A117.1 - 2003, AND THE AMERICANS WITH DISABILITIES ACT, TITLE II, INCLUDING THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) AND ADA REGULATIONS.
- REFER TO R0.02 FOR MOUNTING HEIGHTS FOR ACCESSIBLE FIXTURES.

B. NEW AND EXISTING SMOKE PARTITIONS, INCLUDING STORAGE ROOMS OVER 100 SQUARE FEET, SHALL HAVE PENETRATIONS AND VOIDS FIRESTOPPED IN ACCORDANCE WITH DIVISION 07 SPECIFICATION SECTION "PENETRATION FIRESTOPPING". ALL HEAD-OF-WALL JOINTS AND FLOOR-TO-WALL JOINTS AT NEW AND EXISTING SMOKE RESISTANT PARTITIONS SHALL BE SEALED IN ACCORDANCE WITH DIVISION 07 SPECIFICATION SECTION "FIRE-RESISTIVE JOINT SYSTEMS".

C. NEW AND EXISTING FIRE-RESISTANCE RATED WALLS SHALL HAVE PENETRATIONS AND VOIDS FIRESTOPPED IN ACCORDANCE WITH DIVISION 07 SPECIFICATION SECTION "PENETRATION FIRESTOPPING: ALL HEAD-OF-WALL JOINTS AND FLOOR-TO-WALL JOINTS AT NEW AND EXISTING FIRE-RATED WALLS SHALL BE SEALED IN ACCORDANCE WITH DIVISION 07 SPECIFICATION SECTION "FIRE-RESISTIVE JOINT SYSTEMS".

D. ALL PENETRATIONS THROUGH FLOORS, INCLUDING FLOOR OF DUCTWORK ENCLOSURES, SHALL BE FIRESTOPPED IN ACCORDANCE WITH DIVISION 07 SECTION "PENETRATION FIRESTOPPING". PENETRATIONS THROUGH FLOORS OF RATED ROOMS OR FLOOR SYSTEMS SHALL BE FIRESTOPPED TO MEET RATING OF ROOM OR FLOOR SYSTEM.

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ISSUE DATE

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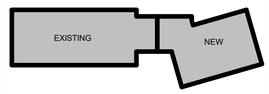
FOR ALL ABBREVIATIONS, SYMBOL LEGENDS, AND GENERAL NOTES SEE SHEET R0.01



KEY PLAN

SCALE: AS NOTED — PROJECT — TRUE

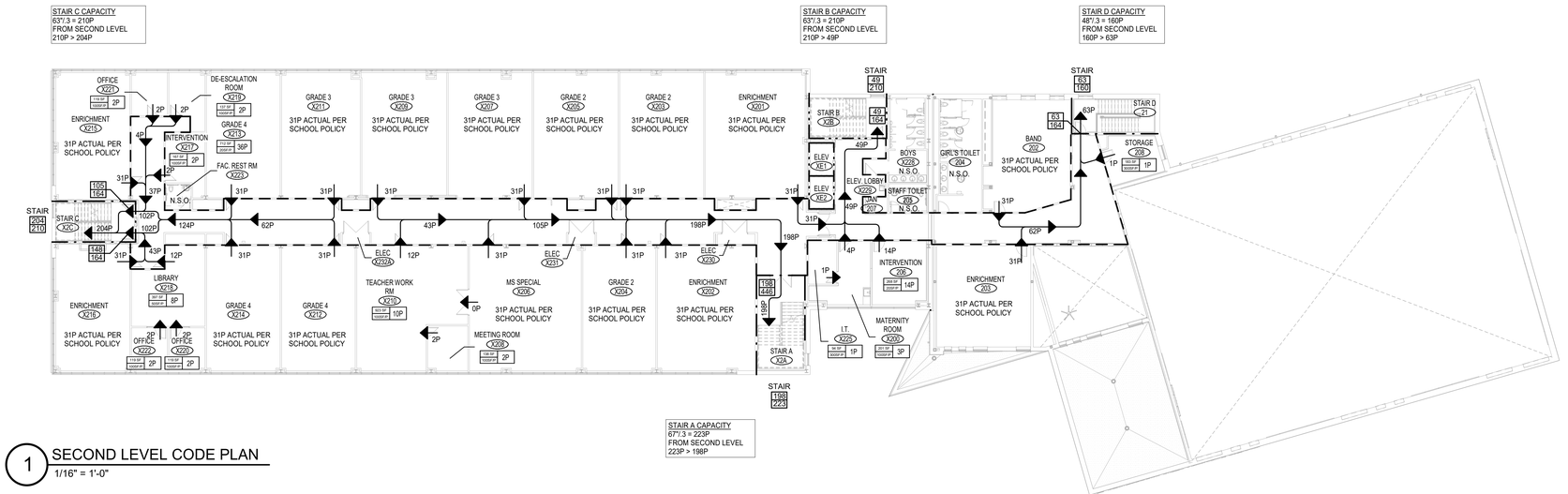
ACHIEVEMENT FIRST ILUMINAR SCHOOL ADDITION

85 GARFIELD AVE, CRANSTON, RI 02920

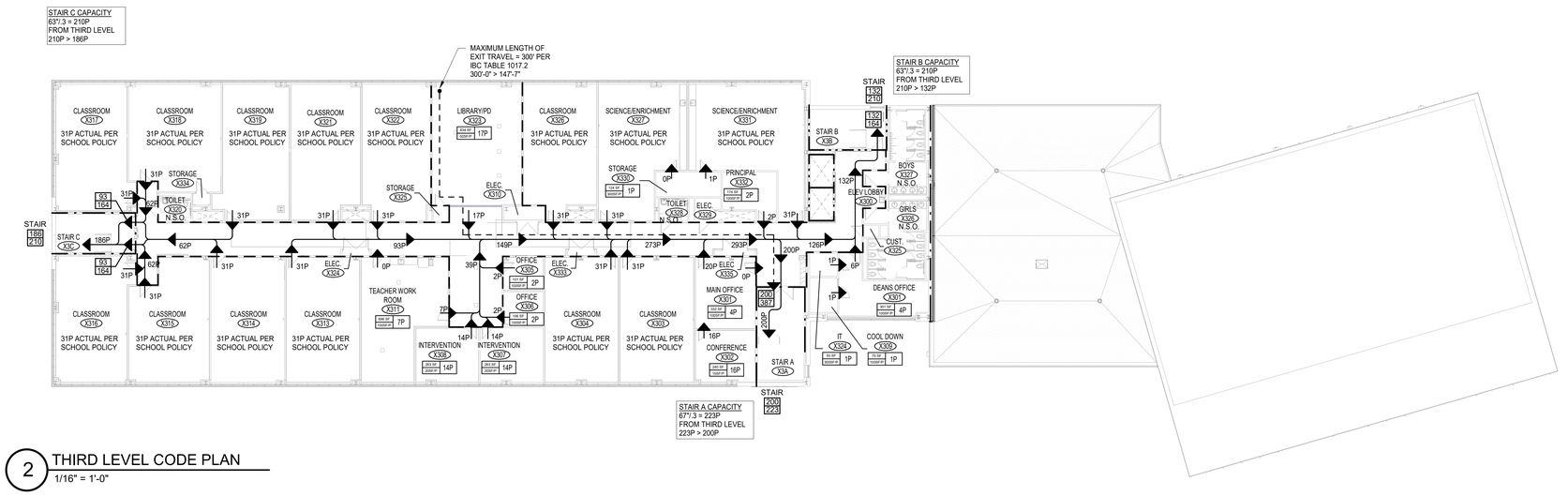
PROJECT NO.: 21012.02 DRAWN BY: YM

CODE PLAN - BASEMENT & FIRST LEVEL

DRAWING NO.:
R1.01



1 SECOND LEVEL CODE PLAN
1/16" = 1'-0"



2 THIRD LEVEL CODE PLAN
1/16" = 1'-0"

CODE PLAN LEGEND

EXIT CAPACITY

- ACTUAL EGRESS OF DOOR OR STAIR / MAXIMUM ALLOWABLE EGRESS CAPACITY OF DOOR OR STAIR
- ROOM NAME / ROOM NUMBER
- MAXIMUM NUMBER OF ALLOWABLE OCCUPANTS
- AREA IN NET SQUARE FEET (GROSS SQUARE FEET)
- OCCUPANCY LOAD FACTOR
- 115' — PATH OF MAXIMUM TRAVEL DISTANCE TO EXIT
- 15 — DIRECTION OF TRAVEL TO EXIT
- HANDICAPPED ACCESSIBLE AREA OR EXIT

A = 33" x 48" B = 33" x 60" C = 36" x 48" D = 36" x 60" E = 30" x 48" F = 30" x 50"

- F.E. — FIRE EXTINGUISHER
- NSO — NON - SIMULTANEOUS OCCUPANCY

SEPARATIONS ARE DESIGNATED AS FOLLOWS:

- IMAGINARY LOT LINE
- 2 HOUR FIRE-RESISTANCE RATED FIRE BARRIER
- 1 HOUR FIRE-RESISTANCE RATED FIRE BARRIER
- SMOKE RESISTANT SEPARATION

GENERAL NOTES

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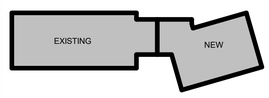


KEY PLAN

SCALE: AS NOTED

PROJECT TRUE

ACHIEVEMENT FIRST ILUMINAR SCHOOL ADDITION

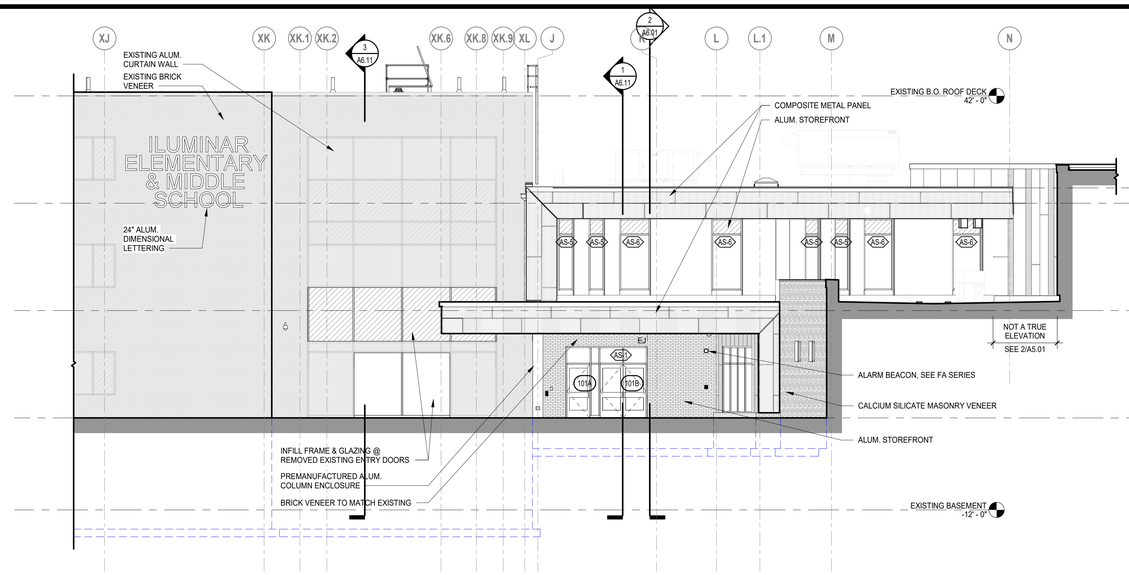
85 GARFIELD AVE, CRANSTON, RI 02920

PROJECT NO.: 21012.02 DRAWN BY: JPM

CODE PLAN - SECOND & THIRD LEVEL

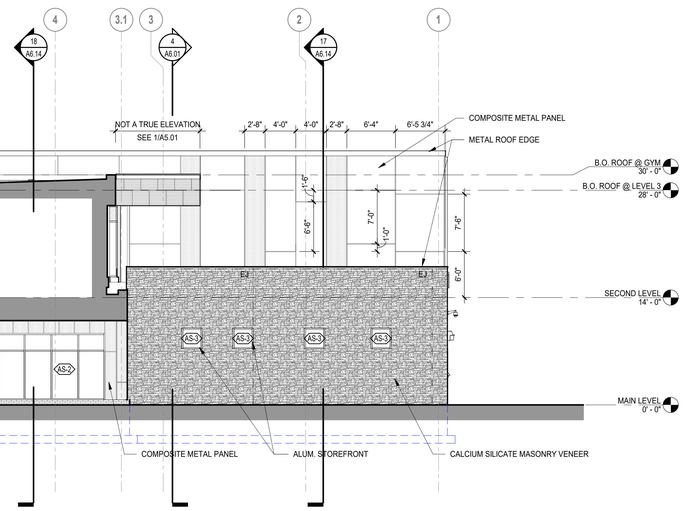
DRAWING NO.:

R1.02



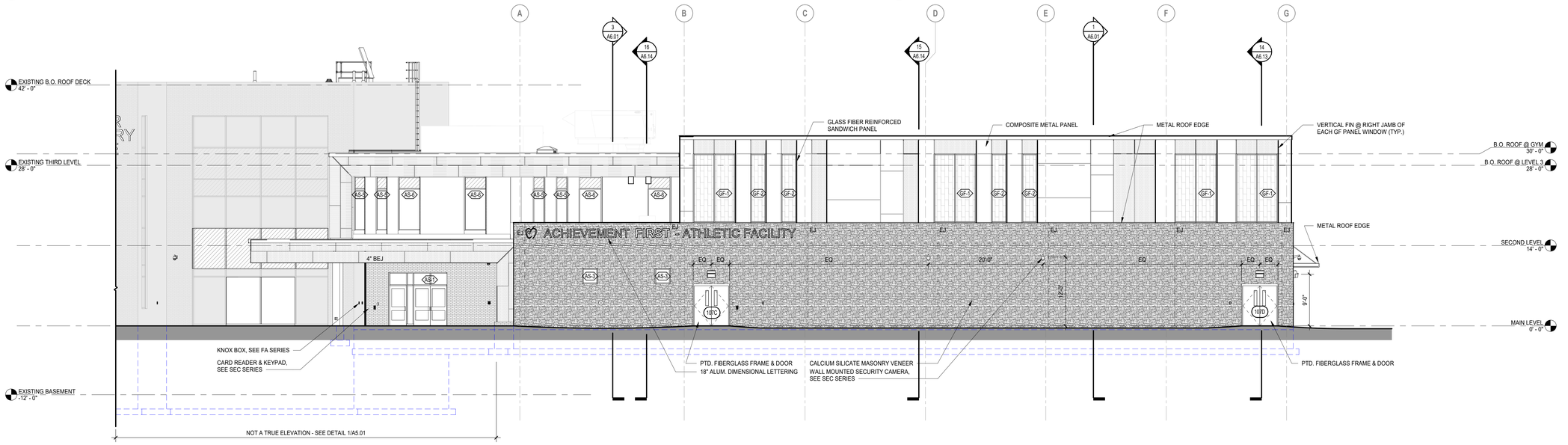
1 EAST ELEVATION - MAIN ENTRY

1/8" = 1'-0"



2 SOURTH ELEVATION - LOCKER ROOMS

1/8" = 1'-0"



3 EAST ELEVATION - GYMNASIUM

1/8" = 1'-0"

SYMBOLS LEGEND

- FIRE DEPARTMENT CONNECTION
- OVERFLOW ROOF DRAIN SPOUT
- WALL PACK LIGHT SEE ELECTRICAL DWG'S
- SECURITY CAMERA SEE SECURITY DWG'S
- WALL HYDRANT, SEE PLUMBING DWG'S
- PREFORMED BUILDING EXPANSION JOINT
- EJ MASONRY EXPANSION JOINT
- XX-1 FRAME TYPE TAG - SEE A8 SERIES
- GLAZING TYPE 1 - TEMPERED GLASS
- GLAZING TYPE 2 - SPANDREL GLASS
- GLAZING TYPE 3 - GF SANDWICH PANEL
- FACE BRICK
- CALCIUM SILICATE
- METAL PANEL - WHITE
- METAL PANEL - ORANGE

NOTES:

1. BRICK EXPANSION JOINTS TO OCCUR AT:
   - 25'-0" OC (MAX) AT WALLS WITH NO OPENINGS
   - 20'-0" OC (MAX) AT WALLS WITH MULTIPLE OPENINGS
   - 2'-0" FROM ALL OUTSIDE CORNERS (U.O.N.)
   - ALL INSIDE CORNERS

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KEY PLAN

0' 4' 8' 16'
SCALE: 1/8" = 1'-0"
PROJECT TRUE

ACHIEVEMENT FIRST ILUMINAR SCHOOL ADDITION

85 GARFIELD AVE, CRANSTON, RI 02920

PROJECT NO.: 21012.02 DRAWN BY: JPM

EXTERIOR ELEVATIONS - EAST & SOUTH

DRAWING NO.:
A5.01

SYMBOLS LEGEND

- FIRE DEPARTMENT CONNECTION
- OVERFLOW ROOF DRAIN SPOUT
- WALL PACK LIGHT SEE ELECTRICAL DWG'S
- SECURITY CAMERA SEE SECURITY DWG'S
- WALL HYDRANT, SEE PLUMBING DWG'S
- PREFORMED BUILDING EXPANSION JOINT
- EJ — MASONRY EXPANSION JOINT
- XX-1 — FRAME TYPE TAG - SEE A8 SERIES

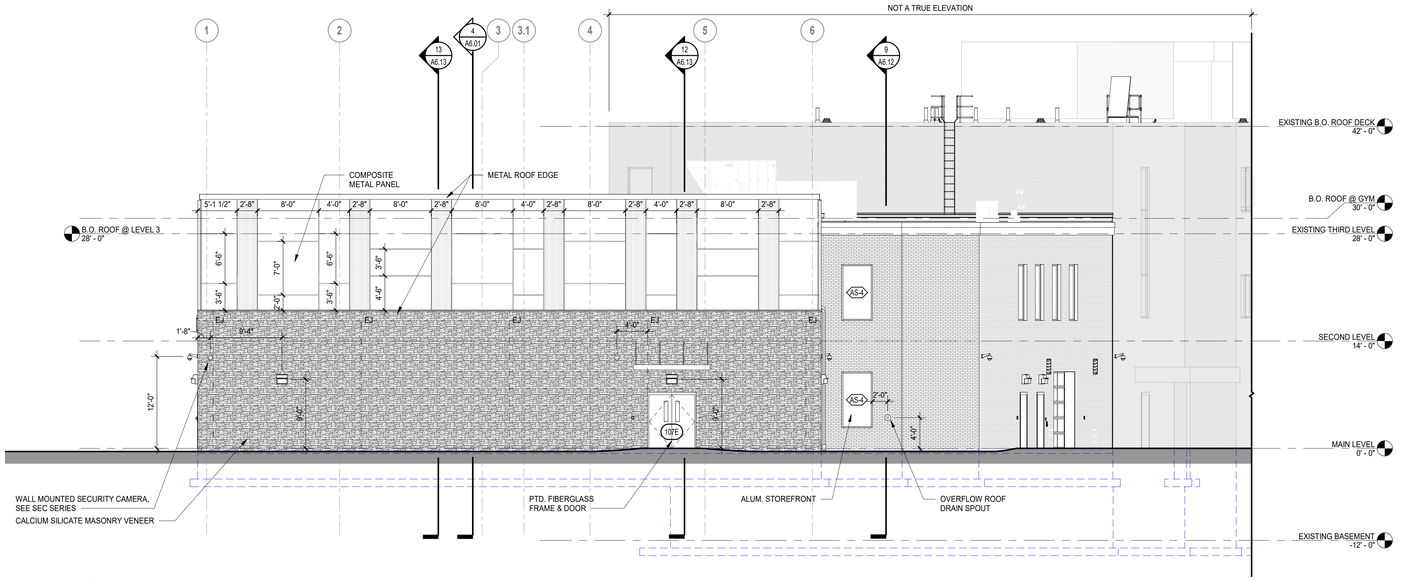
- GLAZING TYPE 1 - TEMPERED GLASS
- GLAZING TYPE 2 - SPANDREL GLASS
- GLAZING TYPE 3 - GF SANDWICH PANEL

- FACE BRICK
- CALCIUM SILICATE

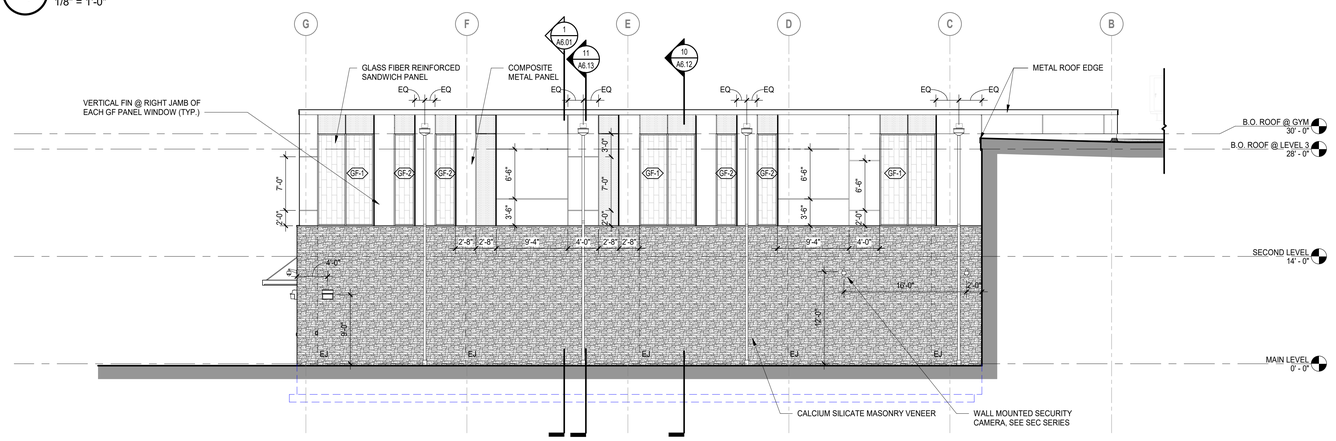
- METAL PANEL - WHITE
- METAL PANEL - ORANGE

NOTES:

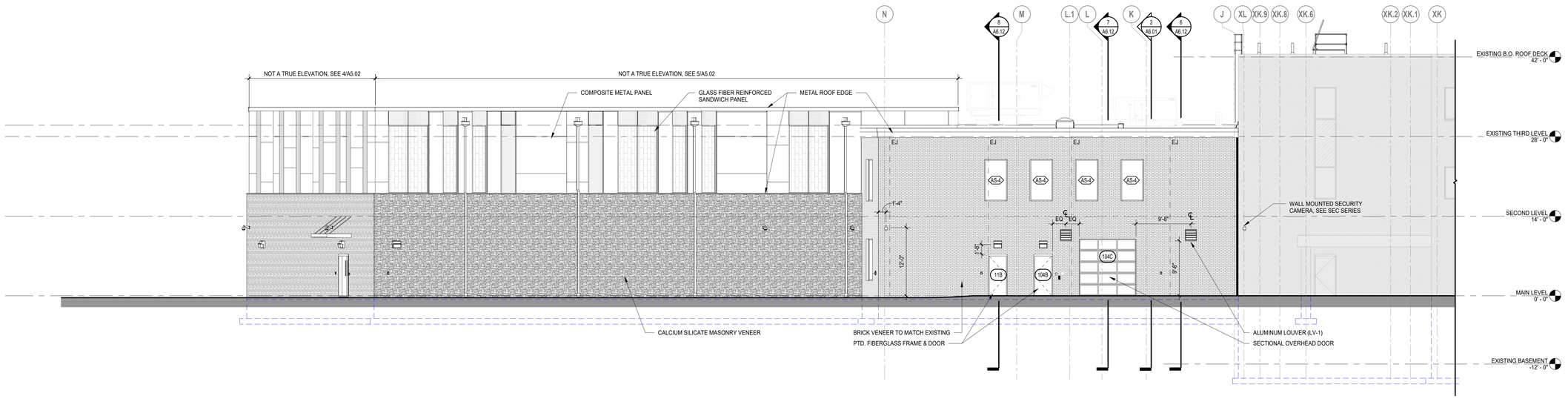
1. BRICK EXPANSION JOINTS TO OCCUR AT:
   - 25'-0" OC (MAX) AT WALLS WITH NO OPENINGS
   - 20'-0" OC (MAX) AT WALLS WITH MULTIPLE OPENINGS
   - 2'-0" FROM ALL OUTSIDE CORNERS (U.O.N.)
   - ALL INSIDE CORNERS



4 NORTH ELEVATION - GYMNASIUM
1/8" = 1'-0"



5 WEST ELEVATION - GYMNASIUM
1/8" = 1'-0"



6 WEST ELEVATION - LOADING DOCK
1/8" = 1'-0"

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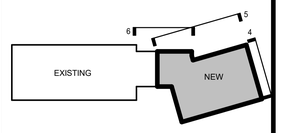


KEY PLAN

SCALE: 1/8" = 1'-0"

PROJECT TRUE

ACHIEVEMENT FIRST ILUMINAR SCHOOL ADDITION

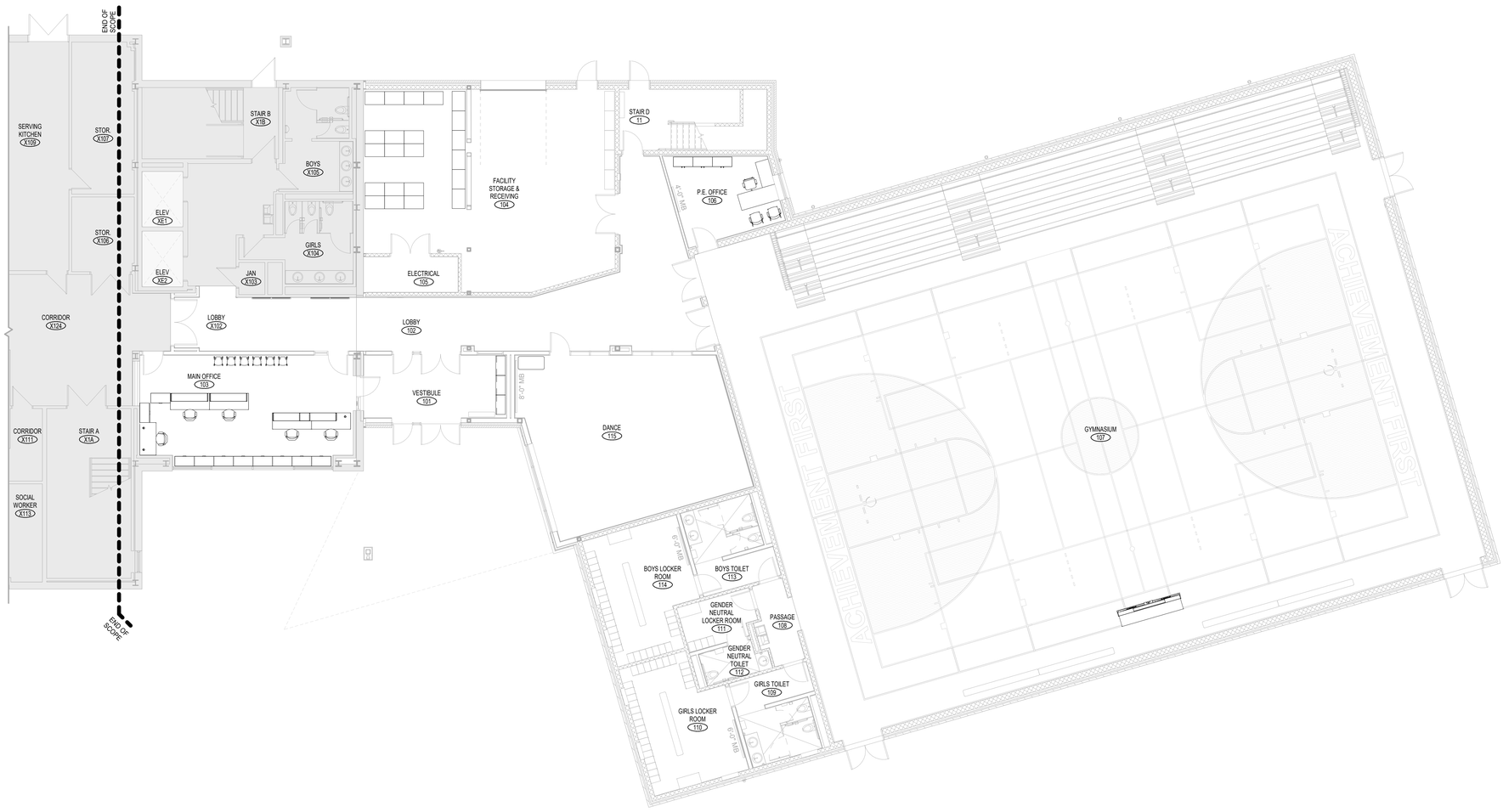
85 GARFIELD AVE, CRANSTON, RI 02920

PROJECT NO.: 21012.02 DRAWN BY: JPM

EXTERIOR ELEVATIONS - NORTH & WEST

DRAWING NO.:

A5.02



1 MAIN LEVEL - FURNITURE PLAN
1/8" = 1'-0"

NOTE: FURNITURE SHOWN FOR COORDINATION PURPOSES ONLY, NOT IN CONTRACT

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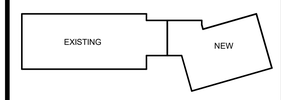


KEY PLAN

0' 4' 8' 16'
SCALE: 1/8" = 1'-0"
PROJECT TRUE

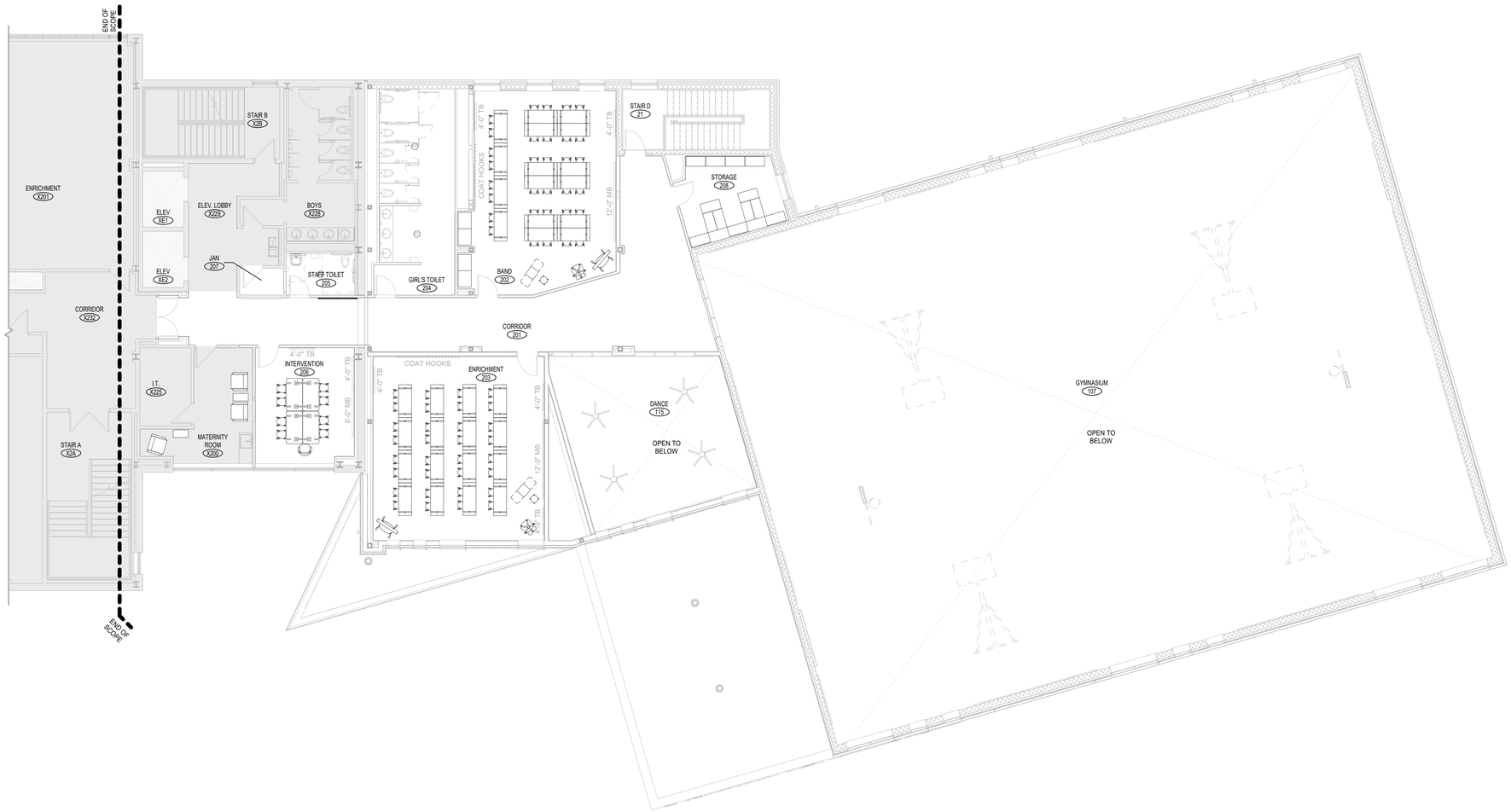
ACHIEVEMENT FIRST ILUMINAR SCHOOL ADDITION

85 GARFIELD AVE,
CRANSTON, RI 02920

PROJECT NO.: 21012.02 DRAWN BY: JLW, CB

MAIN LEVEL - FURNITURE PLAN

DRAWING NO.:
A13.01



1 SECOND LEVEL - FURNITURE PLAN
1/8" = 1'-0"

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EXISTING NEW

KEY PLAN

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SCALE: 1/8" = 1'-0"
PROJECT TRUE

ACHIEVEMENT FIRST ILUMINAR SCHOOL ADDITION

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PROJECT NO.: 21012.02 DRAWN BY: JLW, CB

SECOND LEVEL - FURNITURE PLAN

DRAWING NO.:
A13.02