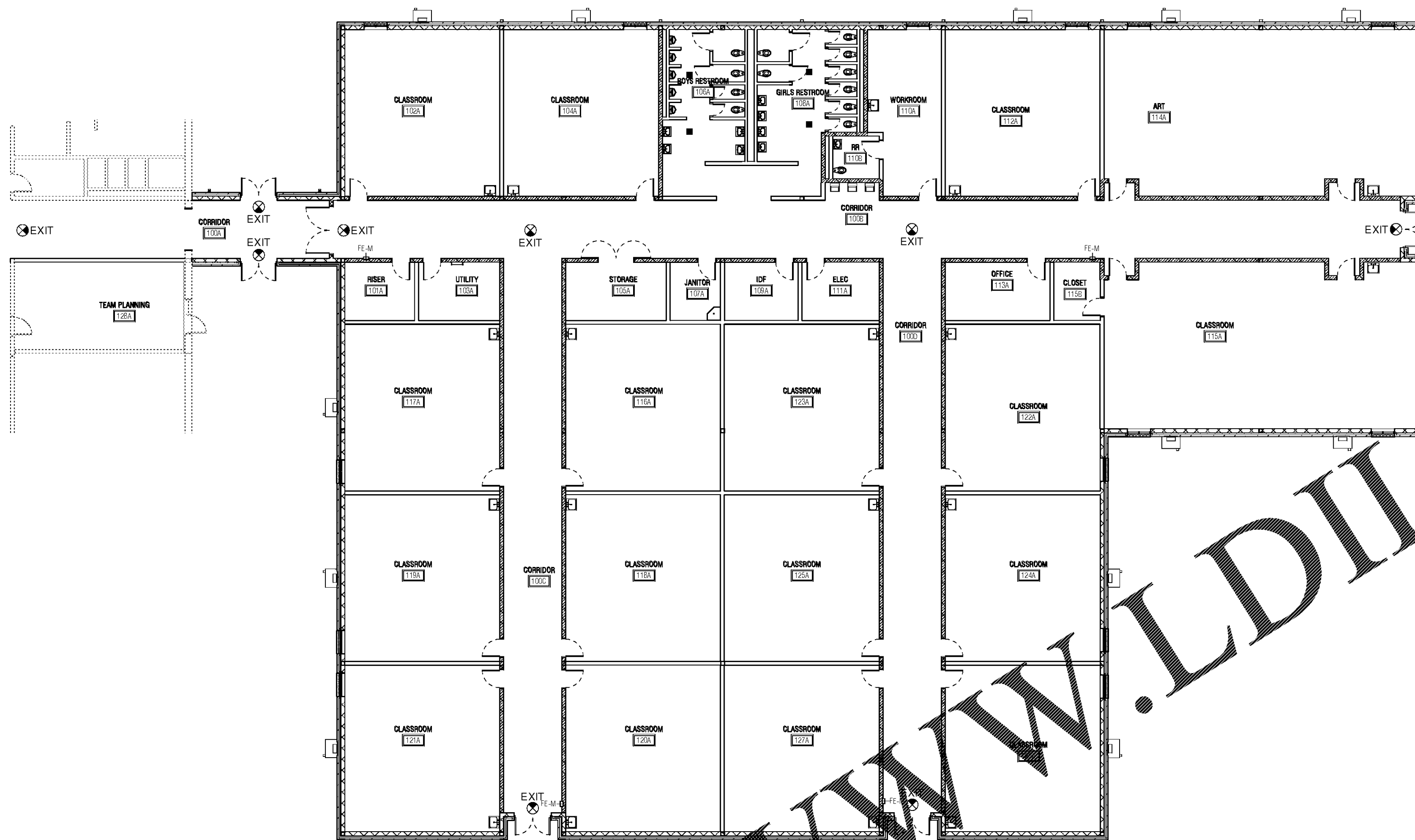


1 | EGRESS PLAN - LEVEL 1
G0.1 | SCALE: 3/32" = 1'-0"

OCCUPANCY LOAD SCHEDULE

CLASSIFICATION	NET AREA	AREA PER OCCUPANT	TOTAL OCCUPANCY LOAD
BUSINESS	514 SF	150 SF	3
CIRCULATION / NON-OCCUPIED	4946 SF	0 SF	0
CLASSROOM	14487 SF	20 SF	722
STORAGE	253 SF	500 SF	0
UTILITY	607 SF	0 SF	0
TOTALS	20806 SF		725

CODE SUMMARY

1) OCCUPANCY GROUP: EDUCATION (E)
ASSOCIATED USE:

2) CONSTRUCTION TYPE:
UNPROTECTED IIB (IBC SECTION 602.2 AND TABLE 601)

3) BUILDING HEIGHT AND AREA CALCULATIONS (IBC):
A. INITIAL ALLOWABLE AREA = 14,500 SF (PER FLOOR) FOR CONSTRUCTION TYPE.
B. MODIFIED ALLOWABLE AREA BASED ON SPRINKLER PROTECTION WITHOUT CONSIDERATION
C. FRONTAGE INCREASE = 14,500 SF + 2 X 14,500 SF = 43,500 (PER FLOOR).
ACTUAL GROSS BUILDING AREA (ADDITION:1ST LEVEL) = 22,878 SF
TOTAL GROSS BUILDING = 22,878 SF

BUILDING HEIGHT
A. INITIAL ALLOWABLE HEIGHT = 2 STORIES, 55 FT ABOVE GRADE PLANE
B. ALLOWABLE HEIGHT BASED ON (IBC SECTION 504.2) = 3 STORIES, 75 FT ABOVE GRADE PLANE
C. ACTUAL BUILDING HEIGHT = 1 STORY, 17'-4" FT ABOVE GRADE.

4) LIFE SAFETY AND EGRESS FEATURES:
A. EXIT DOORS WILL BE EQUIPPED WITH U.L. EXIT OR FIRE EXIT DEVICES.
B. PATHS OF EGRESS DO NOT PASS THROUGH ANY AREAS IDENTIFIED UNDER PROTECTION FROM HAZARDS.

5) TOTAL OCCUPANT LOAD: 725 PERSONS

6) EGRESS WIDTH CALCULATIONS:
ADDITION: EGRESS REQUIREMENTS:
OCCUPANT LOAD: 725 OCCUPANTS
EGRESS WIDTH REQUIRED: 725 x 0.2 = 145"
EGRESS WIDTH PROVIDED: 10 x 32" = 256"

7) A. TRAVEL DISTANCES (OCCUPANCIES PROTECTED THROUGHOUT BY AN APPROVED AUTOMATIC SPRINKLER SYSTEM): 200 FEET
B. DEAD END CORRIDORS: DO NOT EXCEED 20 FEET.
C. COMMON PATH OF TRAVEL: DO NOT EXCEED 100 FEET.

8) FIRE EXTINGUISHERS:
A. MULTI-PURPOSE FIRE EXTINGUISHERS WILL BE INSTALLED THROUGHOUT THE BUILDING IN ACCORDANCE WITH NFPA 10

9) HANDICAP ACCESSIBILITY:
A. THE BUILDING WILL BE ADA ACCESSIBLE FOR
1. ENTRANCES
2. RESTROOMS

10) EMERGENCY LIGHTING:
A. EMERGENCY LIGHTS WILL BE INSTALLED THROUGHOUT THE BUILDING IN ACCORDANCE WITH NFPA 101, SECTION 7.9
B. EXIT SIGNS WILL BE INSTALLED AT ALL EXITS AND EGRESS PATHS IN ACCORDANCE WITH NFPA 101, SECTION 7.10.

11) FIRE ALARM AND MASS NOTIFICATION:
A. A COMBINED FIRE ALARM AND MASS NOTIFICATION SYSTEM WILL BE INSTALLED IN COMPLIANCE WITH NFPA 72 AND ACCESSIBILITY STANDARDS.
B. AN ADDRESSABLE FIRE ALARM AND VOICE EVACUATION SYSTEM WILL BE PROVIDED THROUGHOUT THE FACILITY. THE SYSTEM WILL BE COMPATIBLE WITH THE MASS NOTIFICATION SYSTEM SO SPEAKERS CAN BE UTILIZED FOR BOTH FIRE ALARM AND MASS NOTIFICATION MESSAGES.
C. MASS NOTIFICATION SIGNALS WILL TAKE PRECEDENCE OVER FIRE ALARM SIGNALS.
D. THE FIRE ALARM SYSTEM WILL INCLUDE MANUAL PULL STATIONS AT EXIT DOORS.
E. FIRE SPRINKLER CONTROL ROOM SHALL BE CLEARLY AND PERMANENTLY MARKED WITH SIGN ON OR BESIDE THE DOOR THAT STATES "FIRE SPRINKLER CONTROL ROOM".
F. FIRE ALARM CONTROL ROOM SHALL BE CLEARLY AND PERMANENTLY MARKED WITH SIGN ON OR BESIDE THE DOOR THAT STATES "FIRE ALARM CONTROL ROOM".
G. KNOX BOX, 3200 OR 4400 SERIES SHALL BE PROVIDED IN MAIN ENTRY AREA. KNOX BOX LOCATION TO BE COORDINATED WITH THE LOCAL FIRE DEPARTMENT.

12) INTERIOR FINISHES:
A. INTERIOR FINISHES WILL BE SPECIFIED TO HAVE A, B OR C FLAME SPREAD INDEX IN ACCORDANCE WITH THE IBC AND LIFE SAFETY CODES
B. INTERIOR FINISHES WILL BE SPECIFIED TO HAVE A SMOKE DEVELOPED INDEX OF 150 (OR LESS) IN ACCORDANCE WITH ASTM E84 AND E119.
C. FINISH CLASS REQUIREMENTS (PER TABLE 803.9):
CLASS A = FLAME SPREAD 0-25 AND SMOKE-DEVELOPED INDEX 0-450
CLASS B = FLAME SPREAD 26-75 AND SMOKE-DEVELOPED INDEX 0-450
CLASS C = FLAME SPREAD 76-200 AND SMOKE-DEVELOPED INDEX 0-450
D.

OCCUPANCY:	EXIT ENC.:	CORRIDORS:	ROOMS/SPACES:
B, SPRINKLERED	B	C	C
E, SPRINKLERED	B	C	C

14) CORRIDORS AND BATTERY RESTROOMS
A. COORIDOR WALLS AND ENCLOSING BATTERY RESTROOM WALLS AND CEILINGS SHALL BE CONSTRUCTED TO LIMIT THE PASSAGE OF SMOKE.
B. CORRIDOR WALLS SHALL BE CONSTRUCTED AS SMOKE PARTITIONS.
C. CEILING SYSTEM SHALL FORM CONTINUOUS MEMBRANE.

EGRESS PLAN LEGEND

NOTES FOR PROTECTION OF STRUCTURE:

1. STRUCTURAL STEEL BEAMS OR BRACES IN FIRE SEPARATION FLOOR/CEILING ASSEMBLIES SHALL BE PROTECTED WITH U.L. CERTIFIED OR OTHERWISE TESTED AND APPROVED GYPSUM BOARD ASSEMBLY FIREPROOFING, UNLESS NOTED OR DETAILED OTHERWISE.
2. STRUCTURAL STEEL COLUMNS IN FIRE SEPARATION WALLS SHALL BE PROTECTED WITH U.L. CERTIFIED INTUMESCENT COATING ASSEMBLIES.
3. STRUCTURAL STEEL BEAMS OR BRACES IN FIRE SEPARATION WALLS SHALL BE PROTECTED WITH U.L. CERTIFIED OR OTHERWISE TESTED AND APPROVED GYPSUM BOARD ASSEMBLIES, UNLESS NOTED OR DETAILED OTHERWISE.
4. ALL STRUCTURAL STEEL EMBEDDED IN FIRE SEPARATION WALLS SHALL BE PROTECTED CONTINUOUSLY FROM FLOOR SLAB TO ROOF OR FLOOR DECK WITH SYSTEM EQUAL TO FIRE RESISTANCE RATING OF HOST WALL.
5. FIRE SEPARATION WALLS SHALL BE CONSTRUCTED BY REINFORCED CONCRETE UNIT MASONRY WITH UNITS CERTIFIED FOR THE FIRE RESISTANCE RATING OF THE SEPARATION WALL AND OF THICKNESS INDICATED ON PLANS, UNLESS NOTED OR DETAILED OTHERWISE
6. TOP OF FIRE SEPARATION WALLS SHALL BE TERMINATED AT STRUCTURAL DECK WITH U.L. CERTIFIED CONTINUOUS HEAD-OF-WALL SYSTEM RESPECTIVE OF WALL CONSTRUCTION.
7. WHERE FIRE SEPARATION WALLS ARE INTERUPTED BY INTERMEDIATE FLOOR OR ROOF STRUCTURAL FRAMING, THE STRUCTURE SHALL BE PROTECTED BY CONTINUOUS APPLICATION OF PROTECTION SYSTEMS IDENTIFIED ABOVE.
8. FIRESTOP ALL JOINTS AND PENETRATIONS THROUGH FIRE SEPARATION WALLS WITH U.L. CERTIFIED ASSEMBLIES.
9. FIRE SEPARATION WALLS AND PROTECTION OF STRUCTURE ASSEMBLIES SHALL BE FINISHED AS SCHEDULED WHERE EXPOSED TO VIEW BY BUILDING OCCUPANTS.
9. FIRE SEAL JOINTS AND GAPS BETWEEN DIFFERENT WALL AND PROTECTION ASSEMBLIES.

GENERAL NOTES:

A. ADDITIONAL FIRE, SMOKE RATING AND SPACE SEPERATION DEFINED ON ENLARGED PLANS AND SECTIONS.

FIRE/SMOKE SEPARATION AND PROTECTION LEGEND

1 HR RATED PARTITION
SMOKE PARTITION

NOTE: CONSTRUCTION DEFINITIONS OF KEY PARTITION TYPES DEFINED ON THIS SHEET ARE NOTED ON FLOOR PLAN SHEEETS.

SYMBOL LEGEND

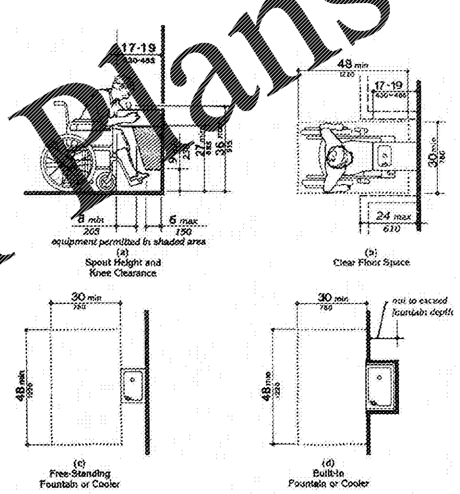
ADA COMPLIANT RECESSED CABINET FIRE EXTINGUISHER LOCATION
FE-M - TYPE M (MULTI-PURPOSE)

EXIT — EXIT LOCATION, MIN. REQ. REF TO ELECTRICAL FOR ADDITIONAL LOCATIONS AND EGRESS SIGNAGE

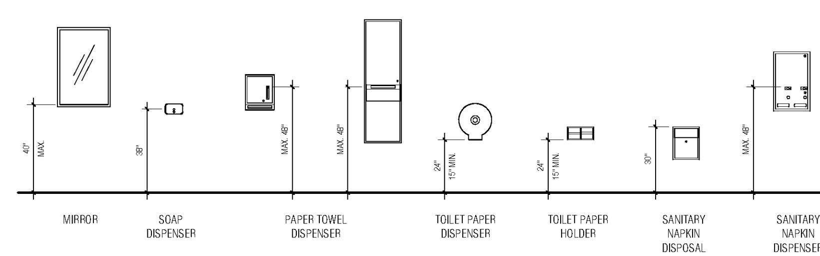
ADA SEATING NOTES:
1. PROVIDE AT LEAST 5 PERCENT OF SEATING AND STANDING SPACES DESIGNATED FOR THE CONSUMPTION OF FOOD AND DRINK WITH SURFACES COMPLYING WITH SECTION 902 OF THE 2010 STANDARDS FOR ACCESSIBLE DESIGN (SEATING AND ASSOCIATED FURNISHINGS ARE BY OWNER).
2. ASSEMBLY AREAS SHALL PROVIDE WHEELCHAIR SPACES, COMPANION SEATS, AND DESIGNATED AISLE SEATS COMPLYING WITH SECTIONS 221 AND 802 OF THE 2010 STANDARDS FOR ACCESIBLE DESIGN.

FLOOR LEVEL CHANGES:
1. THE ELEVATION OF THE FLOOR SURFACES ON BOTH SIDES OF A DOOR OPENING SHALL NOT VARY BY MORE THAN ... ELEVATION SHALL BE MAINTAINED ON BOTH SIDES OF THE DOOR OPENING FOR A DISTANCE NOT LESS THAN THE WIDTH OF THE WIDEST DOOR LEAF PER SECTION 7.2.1.3 OF 2012 NFPA 101 LIFE SAFETY CODE.

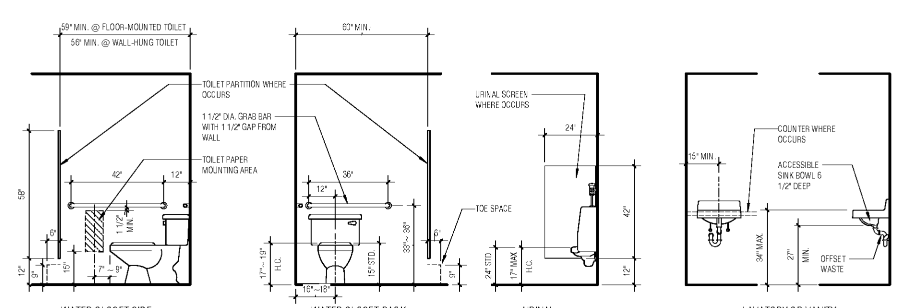
DOOR HARDWARE NOTES:
1. DOOR LOCKS SHAL NOT REQUIRE THE USE OF A KEY, A TOOL, OR SPECIAL KNOWLEDGE OR EFFORT FOR OPERATION FROM THE EGRESS SIDE PER SECTION 7.2.1.5.3 OF 2012 NFPA 101 LIFE SAFETY CODE.



DRINKING FOUNTAIN CLEARANCES AND HEIGHTS (N.T.S.)



TYPICAL TOILET ACCESSORIES MOUNTING HEIGHTS



TYPICAL PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS

2 | TYPICAL ACCESIBLE HEIGHTS
G0.1 | SCALE: 3/8" = 1'-0"

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Alpharetta, Georgia 30005 | (678) 585-4508

STATE OF GEORGIA
DOUGLAS P. BREAUX
CERTIFICATE NO. 013205
REGISTERED ARCHITECT
03/06/2020

NO	DESCRIPTION	DATE

RUSSOM ELEMENTARY SCHOOL ADDITION

44 RUSSOM ELEMENTARY SCHOOL LANE
DALLAS, GA 30132
(FACILITY CODE: 710-0204)

PAULDING COUNTY SCHOOLS

EGRESS PLAN & ADA AND LIFE SAFETY DETAILS

DATE 03/06/2020
PROJECT NO. 19117

G0.1

104372 SF (EXISTING AREA) + 22878 SF (NEW AREA) = 127250 SF (TOTAL AREA); 850 F.T.E. (EXISTING) + 275 F.T.E. (NEW) = 1125 F.T.E. (TOTAL); 54 I.U. (EXISTING) + 17 I.U. (NEW) = 71 I.U. (TOTAL)

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