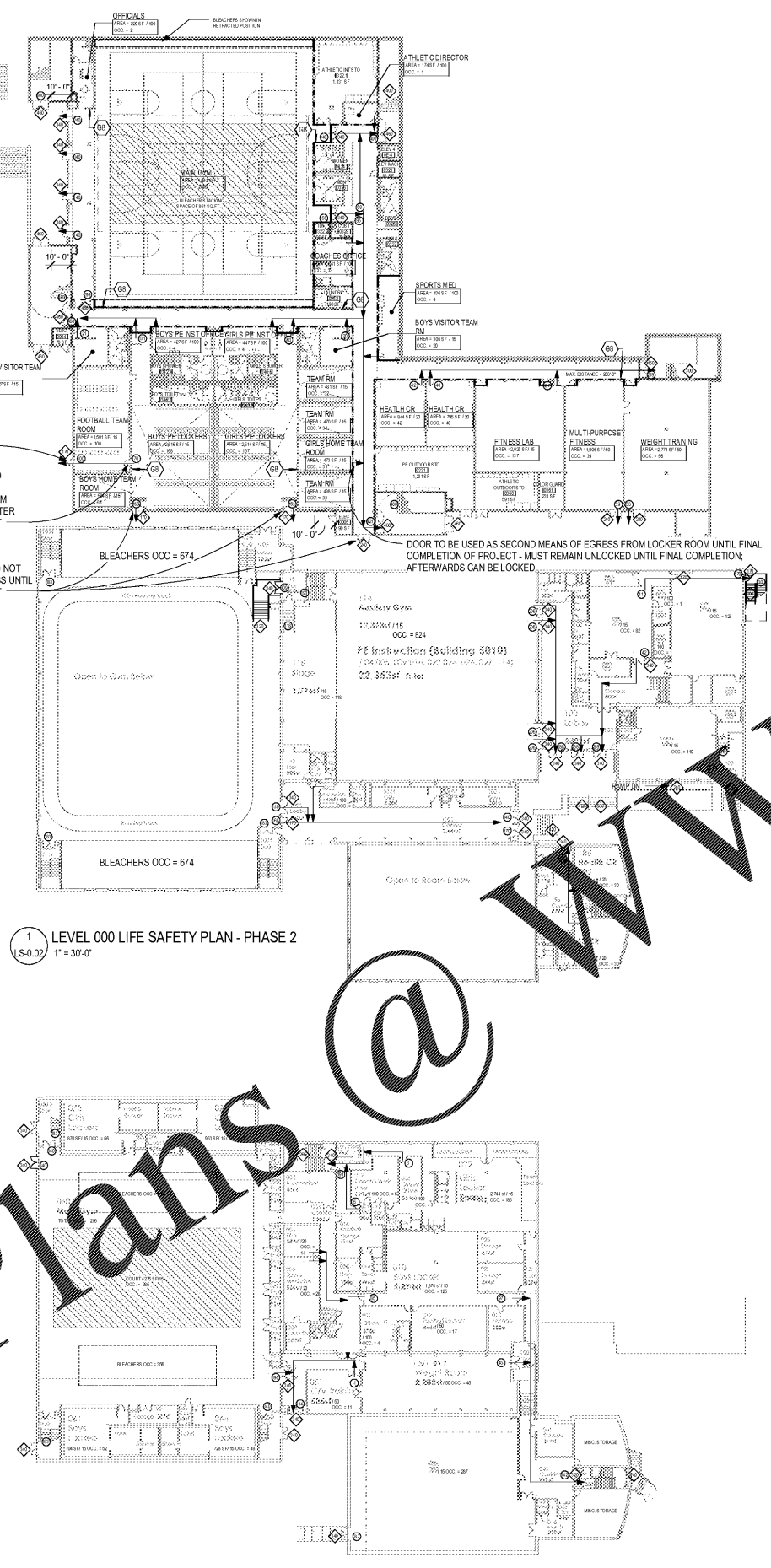


Order Plans @



1 LEVEL 000 LIFE SAFETY PLAN - PHASE 2  
1" = 30'-0"

EXISTING LOWER LEVEL LIFE SAFETY PLAN

PLUMBING FIXTURE DATA SCHEDULE

GDQE	
LEVEL 000 - 2 TOTAL INSTRUCTIONAL UNITS (IUS) X 25 OCC. PER IUS = 50 FTE	
25 GIRLS	= (1) 100 TOILET ROOM W/ (3) WC & (2) LAVS (1) 210 TOILET ROOM W/ (6) WC & (3) LAVS (1) STAFF - (3) WC & (2) LAVS (1) STAFF - (1) WC & (1) LAV (1) TOILET ROOM - (2) WC & (1) LAV
25 BOYS	= (1) 110 TOILET ROOM W/ (2) WC, (2) UR, (2) LAVS (1) 180 TOILET ROOM W/ (3) WC, (3) UR, (3) LAVS (1) STAFF - (1) WC, (2) UR & (2) LAVS (1) STAFF - (1) WC, (1) LAV (1) TOILET ROOM - (1) WC, (1) UR, (1) LAV
DRINKING FOUNTAINS = 1/125 = 1; PROV. = 6	
IBC	
LEVEL 000 - OCCUPANTS = 451 (CLASSROOM ONLY)	
225 GIRLS	= REQ'D WC 1/50 = 4 PROV. (7) WC REQ'D LAVS 1/50 = 4 PROV. (5) LAVS
225 BOYS	= REQ'D WC/UR 1/50 = 4 PROV. (8) WC/UR REQ'D LAVS = 1/50 = 4 PROV. (5) LAVS
DRINKING FOUNTAINS = REQ'D 1/100 = 4 PROV. (6) DF	
GYMNASIUM FLOOR (A-3) - AFTER HOURS = 2156	
1078 GIRLS	= REQ'D WC 1/65 = 16 PROV. (7) WC REQ'D LAVS 1/200 = 5 PROV. (5) LAVS
1078 BOYS	= REQ'D WC/UR 1/125 = 8 PROV. (8) WC/UR REQ'D LAVS = 1/200 = 5 PROV. (5) LAVS
DRINKING FOUNTAINS = REQ'D 1/500 = 2 PROV. (2) DF	
GYMNASIUM SEATING (A-3) - AFTER HOURS = 2000 BLEACHER SEATS + 678 FOLDING CHAIRS = 2678	
1339 GIRLS	= REQ'D WC 1/65 = 20 PROV. (6) WC LEVEL 000 REQ'D LAVS 1/200 = 6 PROV. (4) LAVS LEVEL 000
1339 BOYS	= REQ'D WC/UR 1/125 = 10 PROV. (11) WC/UR LEVEL 000 REQ'D LAVS = 1/200 = 5 PROV. (4) LAVS LEVEL 000
DRINKING FOUNTAINS = 1/500 = 5 PROV. (6) DF LEVEL 000 PROV. (6) DF LEVEL 100	

LIFE SAFETY PLAN LEGEND

SEPARATION PER IBC CHAPTER 5  
 - - - - - 2-HOUR RATED PARTITION  
 - - - - - 1-HOUR RATED PARTITION  
 - - - - - SMOKE PARTITION WALL  
 (SEE A-1.14-A-1.19 FOR U.L. ASSEMBLIES. NOTE ALL CORRIDOR WALLS SHALL HAVE MINIMUM PROTECTION AS UN-RATED SMOKE PARTITIONS)

FIRE EXTINGUISHERS - LOCATIONS PER NFPA 10  
 C8 - FIRE EXTINGUISHER IN RECESSED CABINET  
 C9 - BRACKET MOUNTED FIRE EXTINGUISHER

CAPACITY PER LSC 7.3.3.1  
 STAIR = 3"/PERSON  
 PASSAGEWAYS, RAMPS, CORR. = 2"/PERSON  
 36" W DOOR = 34" CLR. = 170 CAPACITY  
 42" W DOOR = 40" CLR. = 200 CAPACITY  
 48" W DOOR = 46" CLR. = 230 CAPACITY  
 72" W DOOR = 68" CLR. = 340 CAPACITY  
 84" W DOOR = 80" CLR. = 400 CAPACITY  
 96" W DOOR = 92" CLR. = 460 CAPACITY

NUMBER OF EXITS PER IBC 1015 & LSC 7.4.1.2  
 ACTUAL EGRESS COUNT  
 AFTER HOURS EGRESS COUNT  
 EGRESS CAPACITY OF EXITS

CALCULATED OCCUPANCY LOADS:  
 LEVEL 000  
 LEVEL 100  
 LEVEL 200  
 LEVEL 300  
 TOTAL BUILDING = 1562

EXIT CAPACITY  
 TOTAL BUILDING

TOTAL NUMBER OF EXITS:  
 STAIR ENCLOSURES = (4) EXISTING + (2) PROPOSED = 6  
 ENCLOSED STAIRS = 1 (LOBBY)  
 EXIT DOORS = 9

OCCUPANCY PER LSC 7.3.1.2 PER GEORGIA AMENDMENTS TO THE IBC

CLASSROOM	ROOM NAME
AREA=XXX SF / XX AREA & TOTAL OCCUPANCY EACH ROOM	OCC. = XX

ASSEMBLY (UNCONCENTRATED) = 15 NSF/PERSON  
 ASSEMBLY (CONCENTRATED) = 7 NSF/PERSON  
 ASSEMBLY (BENCH SEATING) = 1'-6" LF/PERSON  
 BUSINESS AREAS = 100 GSF/PERSON  
 EDUCATIONAL (CLASSROOM) = 20 NSF/PERSON  
 TEACHING LABS = 50 GSF/PERSON  
 KITCHEN = 100 GSF/PERSON  
 LIBRARY STACK AREA = 100 GSF/PERSON  
 LIBRARY READING AREA = 50 GSF/PERSON

EXIT SIGNS PER LSC 7.10  
 EXIT SIGNAGE (SHADING INDICATES FACE OF SIGN. ARROW SHOWN INDICATES DIRECTION)

DOORS PER IBC 7.15.4  
 ALLOWABLE DISTANCE PER LSC 12.2.6  
 TRAVEL PATH AND DISTANCE: MAX 200 FT. SPRINKLERED  
 PATH OF EGRESS WITHIN BUILDING

BUILDING AREAS:  
 LEVEL 100 = 43,643 SF  
 LEVEL 200 = 36,030 SF  
 LEVEL 300 = 32,894 SF  
 TOTAL = 112,567 SF

FIRE SEPARATION NOTES

1. ALL STAIR ENCLOSURES TO HAVE A TWO-HOUR FIRE RATING.
2. THE ELEVATOR SHAFT IS TO HAVE A TWO-HOUR FIRE RATING.
3. ALL MECHANICAL SHAFTS TO HAVE A TWO-HOUR FIRE RATING.
4. SMOKE ENCLOSURE ZONE BARRIERS TO BE ONE-HOUR FIRE RATED.

GENERAL NOTES

OCCUPANCY CLASSIFICATION  
 EDUCATIONAL - GROUP E (LSC CHAPTER 6)  
 DESCRIPTION:  
 PHASE 2B - NEW 3-STORY CAFETERIA AND 1-STORY MEDIA CENTER, METAL STUD & MASONRY ADDITION / REPLACEMENT WINGS

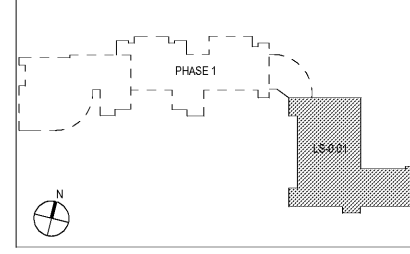
TYPE OF CONSTRUCTION: TYPE I-B, SPRINKLERED

SEISMIC DESIGN INFORMATION: SITE CLASS C  
 OCCUPANCY CATEGORY III  
 DESIGN CATEGORY B

HEIGHT AND AREA LIMITS:  
 (TYPE I-B) (IBC TABLE 506.3)  
 MAX. HEIGHT: 160' ACTUAL 62'-0" +/-  
 MAX. AREA: 112,567 SF  
 MAX. STORIES: 5 3

NOTES:  
 1. REFER TO COVER FOR APPLICABLE CODES FOR THIS PROJECT.

KEYPLAN



CHAPMAN GRIFFIN LANIER SUSENBACH ARCHITECTS

400 Galleria Pkwy., Suite 100 Atlanta, Ga 30339 Phone: 404.733.5493

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DATE	NO.	DESCRIPTION
01/27/18		SCHEMATIC DEVELOPMENT
01/19/18		SCHEMATIC DEVELOPMENT
01/17/18		SCHEMATIC DEVELOPMENT
01/10/18		SCHEMATIC DEVELOPMENT
01/01/18		SCHEMATIC DEVELOPMENT

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DOE FACILITY CODE: 660-3086

RIVERWOOD HIGH SCHOOL PHASE 3-B

AUDITORIUM/GYMNASIUM ADDITION

5900 RAIDER DRIVE NW SANDY SPRINGS, GA 30328

FULTON COUNTY SCHOOLS RFP NO. 411-19

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PROJECT NO.	16015.02
DATE	09/17/18
DRAWN BY	Author
CHECKED BY	Checker
DATE	

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**LS-0.02**