

ALL BUILDINGS SHALL BE COMPLETELY SPRINKLED UTILIZING AN AUTOMATIC WET PIPE SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF N.F.P.A. 13. Refer to Project Manual Section 15200.

I.B.C. SECTION 302 - OCCUPANCY CLASSIFICATION & TYPE OF CONSTRUCTION  
GYMNASIUM & AUDITORIUM - NEW ASSEMBLY OCCUPANCY CONSTRUCTION TYPE IIB (I.B.C.), NON-COMBUSTIBLE, PROTECTED

I.B.C. SECTION 504 - BUILDING HEIGHT MODIFICATIONS (TYPE IIB)  
504.2 - AUTOMATIC SPRINKLER SYSTEM INCREASE:  
MAX. NUMBER OF STORIES: 2 + 1 = 3  
MAX. HEIGHT: 55' + 20' = 75'

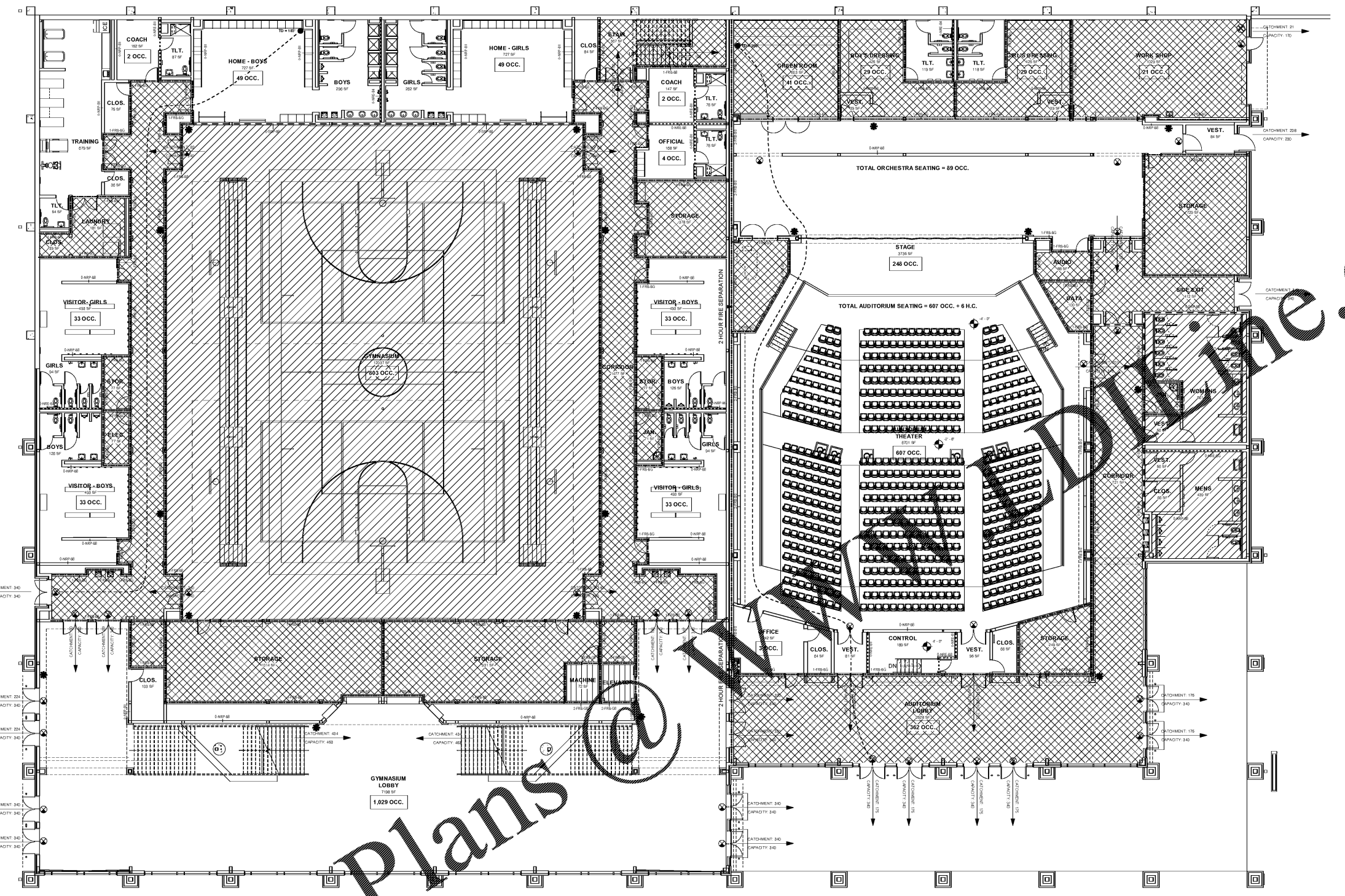
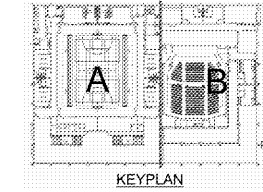
I.B.C. SECTION 506 - AREA MODIFICATIONS - NEW ASSEMBLY OCCUPANCY (TYPE IIB)  
506.3 AUTOMATIC SPRINKLER SYSTEM INCREASE = 200% INCREASE  
9,500 S.F. + 19,000 S.F. = 28,500 S.F.  
506.1 FRONTAGE INCREASE = 75% INCREASE  
9,500 S.F. X .75 = 7,125 S.F. INCREASE  
TOTAL AREA INCREASE:  
28,500 S.F. + 7,125 S.F. = 35,625 S.F. MAX. ALLOWABLE AREA PER FLOOR.

I.B.C. SECTION 506 - AREA MODIFICATIONS - NEW ASSEMBLY OCCUPANCY (TYPE IIB)  
506.3 AUTOMATIC SPRINKLER SYSTEM INCREASE = 200% INCREASE  
15,500 S.F. + 31,000 S.F. = 46,500 S.F.  
506.1 FRONTAGE INCREASE = 75% INCREASE  
15,500 S.F. X .75 = 11,625 S.F. INCREASE  
TOTAL AREA INCREASE:  
46,500 S.F. + 11,625 S.F. = 58,125 S.F. MAX. ALLOWABLE AREA PER FLOOR.

LEGEND TO LIFE SAFETY PLAN  
1. Refer to Reflected Ceiling Plan for more detailed wall ratings and additional information on walls.  
Area Or Group of Areas Separated From The Remainder of Building By Partitions And/Or Ceilings Which Resist The Passage of Smoke  
Area Or Group of Areas Separated From The Remainder of Building By 1 Hour Fire Rated Partitions & Openings  
Area Separated By 2 Hour Fire Rated Partitions and Openings

LEGEND TO SYMBOLS:  
SEMI-RECESSED FIRE EXTINGUISHER  
SURFACE MOUNTED FIRE EXTINGUISHER  
EXIT LIGHT FIXTURE

MINIMUM OCCUPANT LOAD (M.O.L.) CALCULATED PER LIFE SAFETY CODE AS FOLLOWS:  
LOBBY AREA - 7 S.F. PER PERSON  
COMMONS AREA - 15 S.F. PER PERSON  
OFFICE AREAS - 100 S.F. PER PERSON  
SHOPS/LABS/OCCASIONAL - 50 S.F. PER PERSON  
KITCHEN AREA - 100 S.F. PER PERSON  
PLAYING COURT - 15 S.F. PER PERSON  
LOCKER ROOMS - 15 S.F. PER PERSON  
MULTIPURPOSE - 20 S.F. PER PERSON  
STAGE & DRESSING ROOMS - 15 S.F. PER PERSON  
STORAGE/MECHANICAL/ELECTRICAL - NONE



1 LIFE SAFETY PLAN - LEVEL 01  
3/32" = 1'-0"

TOTAL OCCUPANT LOAD & EXIT CAPACITY GYMNASIUM  
TOTAL OCCUPANT LOAD = 3,939 OCC.  
TOTAL EXIT CAPACITY = 4,760 OCC.

TOTAL OCCUPANT LOAD & EXIT CAPACITY AUDITORIUM  
TOTAL OCCUPANT LOAD = 1,092 OCC.  
TOTAL EXIT CAPACITY = 2,780 OCC.

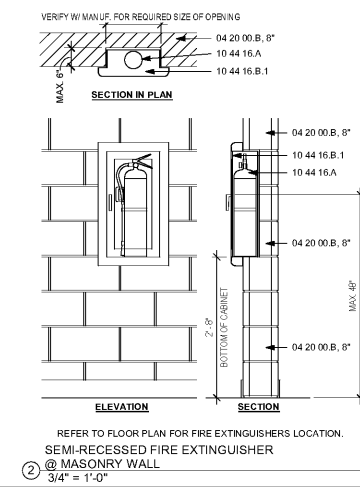
**LEGEND TO WALLS**

- LEGEND TO WALLS PROVIDES INFORMATION ON INTERIOR WALLS AND WALL RATINGS. REFER ALSO TO FLOOR PLANS, BUILDING SECTIONS, WALL SECTIONS AND WALL DETAILS FOR ADDITIONAL INFORMATION ON INTERIOR WALLS. REFER TO ELEVATIONS, BUILDING SECTIONS, WALL SECTIONS AND WALL DETAILS FOR INFORMATION ON EXTERIOR WALLS.
- REFER TO DRAWING A701 FOR FIRESTOPPING DETAILS.
- REFER TO DRAWING A702 & A703 FOR TYPICAL U.L. DESIGN DETAILS.
- CONTRACTOR SHALL CONSTRUCT ALL WALLS AS INDICATED ON DRAWINGS. CHANGES TO WALL DESIGN IS NOT ALLOWED WITHOUT APPROVAL OF ARCHITECT.

ENVIRONMENTAL WALLS	----
SMOKE RATED WALLS	-----
ONE HOUR RATED WALLS	=====
TWO HOUR RATED WALLS	=====

0-NRE-B8	"NON-RATED ENVIRONMENTAL PARTITION - CMU" NON-RATED CONCRETE BLOCK WALL UP TO FLOOR OR ROOF DECK. BLOCK THICKNESS AS INDICATED ON DRAWINGS.	0-SRP-BG	"SMOKE RESISTIVE PARTITION - CMU + GWB" NON-RATED CONCRETE BLOCK WALL UP TO FIRST COURSE (MIN. 4") ABOVE CEILING. BLOCK THICKNESS AS INDICATED ON DRAWINGS. EXTEND WALL TO FLOOR OR ROOF DECK WITH NON-RATED DRYWALL PARTITION (ONE LAYER OF 1/2" GYPSUM WALL BOARD ON ONE SIDE OF 3/8" METAL STUDS @ 16" O.C.). SEE SPECIFICATIONS FOR METAL STUDS REQUIREMENTS.
0-NRE-BG	"NON-RATED ENVIRONMENTAL PARTITION - CMU + GWB" NON-RATED CONCRETE BLOCK WALL UP TO FIRST COURSE (MIN. 4") ABOVE CEILING. BLOCK THICKNESS AS INDICATED ON DRAWINGS. EXTEND WALL TO FLOOR OR ROOF DECK WITH NON-RATED DRYWALL PARTITION (ONE LAYER OF 1/2" GYPSUM WALL BOARD ON ONE SIDE OF 3/8" METAL STUDS @ 16" O.C.). SEE SPECIFICATIONS FOR METAL STUDS REQUIREMENTS.	1-FRB-B	"1 HOUR - FIRE RATED BARRIER - CMU" 1 HOUR FIRE-RATED CONCRETE BLOCK WALL UP TO FLOOR OR ROOF DECK. BLOCK THICKNESS AS INDICATED ON DRAWINGS. FIRESTOP WALL AT UNDERSIDE OF DECK. U.L. DESIGN NO. U419 AND U906.
0-NRP-B	"NON-RATED PARTITION - CMU" NON-RATED CONCRETE BLOCK WALL UP TO FIRST COURSE (MIN. 4") ABOVE CEILING. BLOCK THICKNESS AS INDICATED ON DRAWINGS. BLOCK THICKNESS AS INDICATED ON DRAWINGS.	1-FRB-BG	"1 HOUR - FIRE RATED BARRIER - CMU + GWB" 1 HOUR FIRE-RATED CONCRETE BLOCK WALL UP TO FIRST COURSE (MIN. 4") ABOVE CEILING. BLOCK THICKNESS AS INDICATED ON DRAWINGS. EXTEND WALL UP TO FLOOR OR ROOF DECK WITH 1 HOUR FIRE-RATED DRYWALL PARTITION (ONE LAYER OF FIRE-RATED 5/8" GYPSUM WALL BOARD ON EACH SIDE OF 3/8" METAL STUDS @ 16" O.C.). SEE SPECIFICATIONS FOR METAL STUDS REQUIREMENTS. FIRESTOP WALL AT UNDERSIDE OF DECK. U.L. DESIGN NO. U419 AND U906.
0-SRP-B	"SMOKE RESISTIVE PARTITION - CMU" NON-RATED CONCRETE BLOCK WALL UP TO FLOOR OR ROOF DECK. BLOCK THICKNESS AS INDICATED ON DRAWINGS. SEAL WALL AT UNDERSIDE OF DECK.		

2-FRB-B	"2 HOUR - FIRE RATED BARRIER - CMU" 2 HOUR FIRE-RATED CONCRETE BLOCK WALL UP TO FLOOR OR ROOF DECK. BLOCK THICKNESS AS INDICATED ON DRAWINGS. FIRESTOP WALL AT UNDERSIDE OF DECK. U.L. DESIGN NO. U419 AND U906.
2-FRB-BG	"2 HOUR - FIRE RATED BARRIER - CMU + GWB" 2 HOUR FIRE-RATED CONCRETE BLOCK WALL UP TO FIRST COURSE (MIN. 4") ABOVE CEILING. BLOCK THICKNESS AS INDICATED ON DRAWINGS. EXTEND WALL UP TO FLOOR OR ROOF DECK WITH 2 HOUR FIRE-RATED DRYWALL PARTITION (TWO LAYERS OF FIRE-RATED 5/8" GYPSUM WALL BOARD ON EACH SIDE OF 3/8" METAL STUDS @ 16" O.C.). SEE SPECIFICATIONS FOR METAL STUDS REQUIREMENTS. FIRESTOP WALL AT UNDERSIDE OF DECK. U.L. DESIGN NO. U419 AND U906.



SA&E PROJECT NUMBER	01-615-056
BID PACKAGE	BP-1
ISSUED FOR CONSTRUCTION	10/15/2019
REVISIONS	
R #	Doc #
Date	

**Southern AE**  
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(770) 519-7777  
architects & engineers

FACILITY CODE NUMBER: 674-0110  
**GYMNASIUM/AUDITORIUM FOR:**  
**HEARD COUNTY SCHOOLS**  
545 MAIN STREET, FRANKLIN, GA 30217  
**HEARD COUNTY SCHOOL SYSTEM**  
FRANKLIN, GEORGIA

LIFE SAFETY PLAN - LEVEL 01

DRAWING NUMBER  
**A102**