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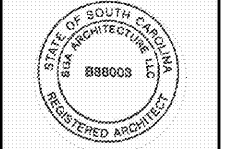
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Corporate Seal



Individual Seal

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Drawn by: PW, MR
Checked by: MR

Notes:
BIDDING DOCUMENTS
Not for Construction

Revisions:

Code Analysis Plan

G002

2 of 3

Bidding Documents

CODE ANALYSIS

| CODE ITEM (IBC 2015) | DESCRIPTION | 2015 IBC CODE REFERENCE |
|--|--|---|
| OCUPANCY CLASSIFICATION | A-3 -- ASSEMBLY OCCUPANCY | CHAPTER 5 -- SECTION 503 |
| TYPE OF CONSTRUCTION | TYPE III SPRINKLERED | CHAPTER 6 -- SECTION 602.2 |
| A GENERAL HEIGHT AND BUILDING AREA | | |
| ALLOWABLE AREA | 36,000 SF | ALLOWABLE HEIGHT (STORIES) 3 |
| ACTUAL AREA | 23,109 SF | ACTUAL HEIGHT (STORIES) 1 |
| AREA MODIFICATIONS N/A | | |
| $A_L = [A_1 + [A_2 \times 0.5]] + [A_3 \times 0.25]$ $A_L = [0.500 + [0.500 \times .36]] + [0.500 \times 3]$ $A_L = 41420 SF$ | ALLOWABLE AREA | 41400 SF |
| $A_L = [0.500 + [0.500 \times .36]] + [0.500 \times 3]$ $A_L = 41420 SF$ | ACTUAL AREA | 23,109 SF |
| HEIGHT MODIFICATIONS N/A | | |
| INCIDENTAL USE AREAS N/A | | |
| NON-SEPARATED OCCUPANCIES | | |
| ALL OCCUPANCIES MEET THE REQUIREMENTS OF THE MOST RESTRICTIVE OCCUPANCY CLASSIFICATION A-3 | | |
| B FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS | | |
| BUILDING ELEMENT | RATING (Hours) | BUILDING ELEMENT |
| STRUCTURAL FRAME | 0 | NONBEARING WALLS & PARTITIONS INTERIOR |
| BEARING WALLS INTERIOR | 0 | ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS |
| BEARING WALLS EXTERIOR | 0 | |
| NONBEARING WALLS & PARTITIONS EXTERIOR | SEE TABLE 602 | ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS |
| C OCCUPANT LOAD CALCULATIONS | | |
| CHAPTER 10 -- TABLE 1004.1.1 | | |
| FUNCTION OF SPACE | FLOOR AREA IN SQ. FT. PER OCCUPANT | NUMBER OF OCCUPANTS |
| ASSEMBLY (A-3) GYM | 15 SF NET | 8,812 SF |
| ASSEMBLY (A-3) CARDO (EXERCISE) | 30 SF NET | 2,000 SF |
| ASSEMBLY (A-3) MINDIBOS (EXERCISE) | 30 SF NET | 1,214 SF |
| ASSEMBLY (A-3) YOGING (EXERCISE) | 15 SF NET | 134 SF |
| ASSEMBLY (A-3) MEETING | 15 SF NET | 300 SF |
| ASSEMBLY (A-3) SEATING BY GYM | 1 PERSON PER 15' | 348'-6" LF |
| ASSEMBLY (A-3) LOCKER ROOM | 50 SF NET | 254 SF |
| ASSEMBLY (A-3) KITCHEN | 200 SF GROSS | 384 SF |
| BUSINESS (B) | 100 SF GROSS | 757 SF |
| EDUCATION (E) PROGRAM SPACE | 20 SF NET | 1,354 SF |
| STORAGE (S) | 300 SF GROSS | 501 SF |
| MERCANTILE (M) RETAIL | 30 SF GROSS | 74 SF |
| BUILDING TOTAL 1,016 OCCUPANTS | | |
| DRESS WIDTH CALCULATIONS | | |
| CHAPTER 10 -- TABLE 1005.1 | | |
| NUMBER OF OCCUPANTS | WITHOUT SPRINKLERS OTHER EGRESS COMPONENTS | WITH SPRINKLERS OTHER EGRESS COMPONENTS |
| 1,016 OCCUPANTS | 0.5' / OCCUPANT | 0.2' / OCCUPANT |
| CORRIDOR FIRE RESISTANCE RATING GROUP A WITH SPRINKLER SYSTEM 0 HOURS | | |
| CHAPTER 10 -- TABLE 1002.1 | | |
| MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD | | |
| MORE THAN 1000 4 EXITS REQUIRED | | |
| ASSEMBLY MAIN EXIT | | |
| CHAPTER 10 -- SECTION 1029.2 | | |
| GROUP A OCCUPANCIES WITH MORE THAN 300 OCCUPANTS SHALL HAVE A MAIN EXIT THE MAIN EXIT SHALL ACCOMMODATE NOT LESS THAN 1/2 OF THE OCCUPANT LOAD 509 OCCUPANTS | | |
| MAIN EXIT WIDTH REQUIRED 508+0.2=101.6 MAIN EXIT WIDTH PROVIDED 138" | | |
| EXIT ACCESS TRAVEL DISTANCE | | |
| CHAPTER 10 -- TABLE 1017.3 | | |
| B OCCUPANCY | WITHOUT SPRINKLERS | WITH SPRINKLING |
| | N/A | 300' |
| MAXIMUM TRAVEL DISTANCE TO AN EXIT 127'-6" | | |
| FLOORING FIXTURES REQUIRED | | |
| CHAPTER 28 -- TABLE 2802.1 | | |
| NUMBER OF OCCUPANTS | WC | LAV |
| ASSEMBLY (A-3) 803 | MALE (452) 1/125 = 3.62 | 1/200 = 2.26 |
| EDUCATION (E) 93 | MALE (47) 1/50 = 0.94 | 1/50 = 0.94 |
| BUSINESS (B) 3 | MALE (3) 1/25 = 0.20 | 1/40 = 0.125 |
| MERCANTILE (M) 3 | MALE (2) 1/500 = 0.004 | 1/750 = 0.003 |
| STORAGE (S) 8 | MALE (4) 1/100 = 0.04 | 1/100 = 0.04 |
| | FEMALE (452) 1/65 = 8.95 | 1/200 = 2.26 |
| | FEMALE (47) 1/50 = 0.94 | 1/50 = 0.94 |
| | FEMALE (3) 1/25 = 0.20 | 1/40 = 0.125 |
| | FEMALE (2) 1/500 = 0.004 | 1/750 = 0.003 |
| | FEMALE (4) 1/100 = 0.04 | 1/100 = 0.04 |
| | TOTAL REQUIRED 5.704 = 6 | 4.383 = 5 |
| | TOTAL PROVIDED 6 | 7 |
| | TOTAL REQUIRED 2.802 = 3 | TOTAL PROVIDED 3 |
| | TOTAL PROVIDED 3 | |
| E SERVICE SINKS | | |
| | TOTAL REQUIRED 3 | TOTAL PROVIDED 3 |

LEGEND

- (249) OCCUPANCY LOAD BY PERCENT
- (18) OCCUPANCY LOAD FOR EXPRESS
- (15) (18) EXPRESS EGRESS LOAD ALLOWABLE CAPACITY
- FEC FIRE EXTINGUISHER CABINET SEEN RECESSED
- FE PORTABLE FIRE EXTINGUISHER WALL MOUNTED
- 1-HR FIRE RATING
- 2-HR FIRE RATING
- 20 MINUTE FIRE RATED GLASS ASSEMBLY
- 45 MINUTE FIRE RATED GLASS ASSEMBLY
- 1 HOUR FIRE RATED GLASS ASSEMBLY
- SEALING GLASS PARTS TRANSPIRE REQUIRED
- 20% OF GLASS AREA TRANSPIRE AND SUBSTRATE
- 1 HR RATED CEILING
- 3 HR RATED CEILING

30 SQ FT S/SHOWERS

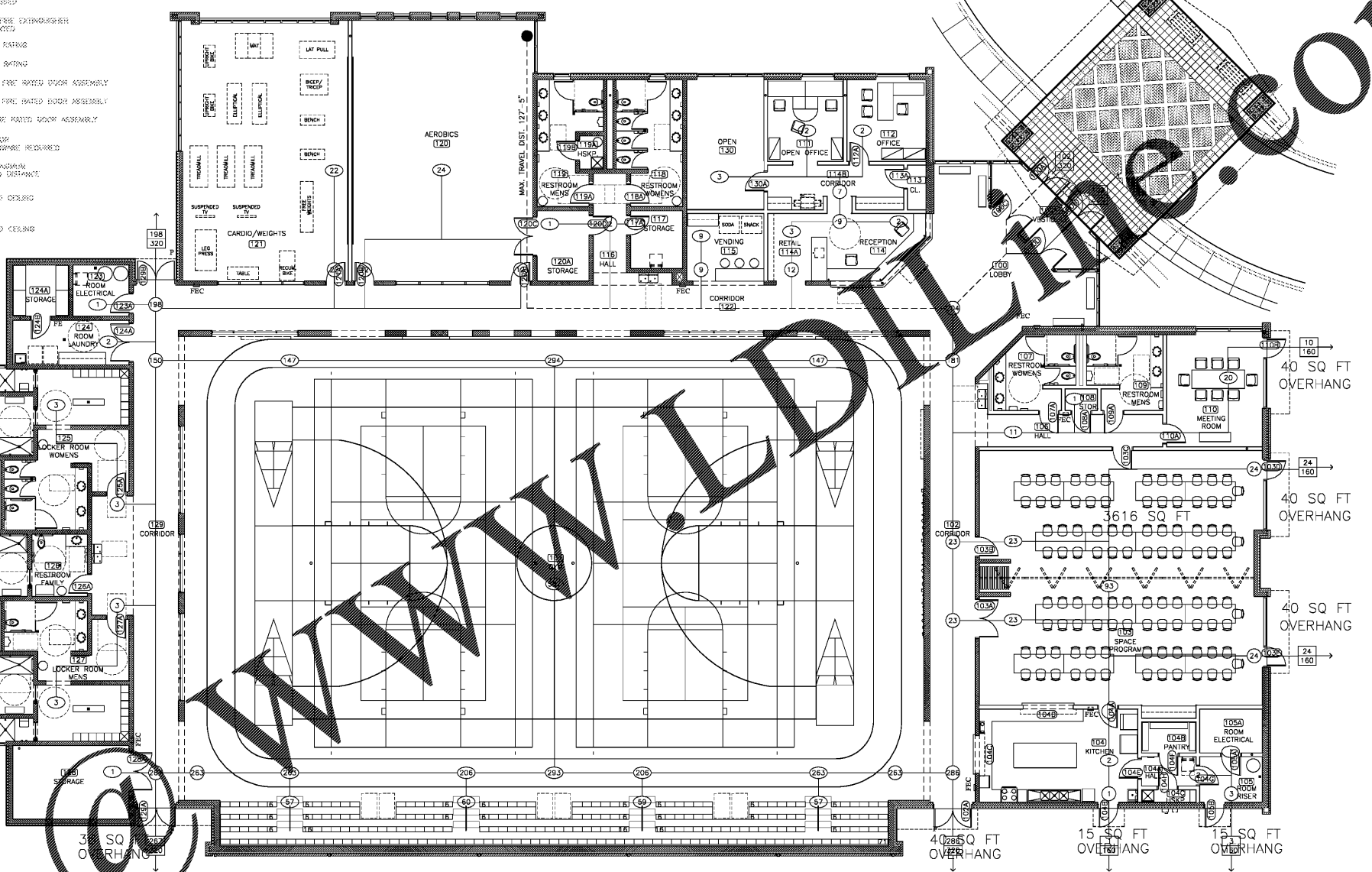
3 SQ FT OVERHANG

3 SQ FT OVERHANG

Order Plans

NOT TO SCALE

CODE ANALYSIS PLAN



CODE ANALYSIS PLAN
NOT TO SCALE

Order Plans