

LIFE-SAFETY INFORMATION

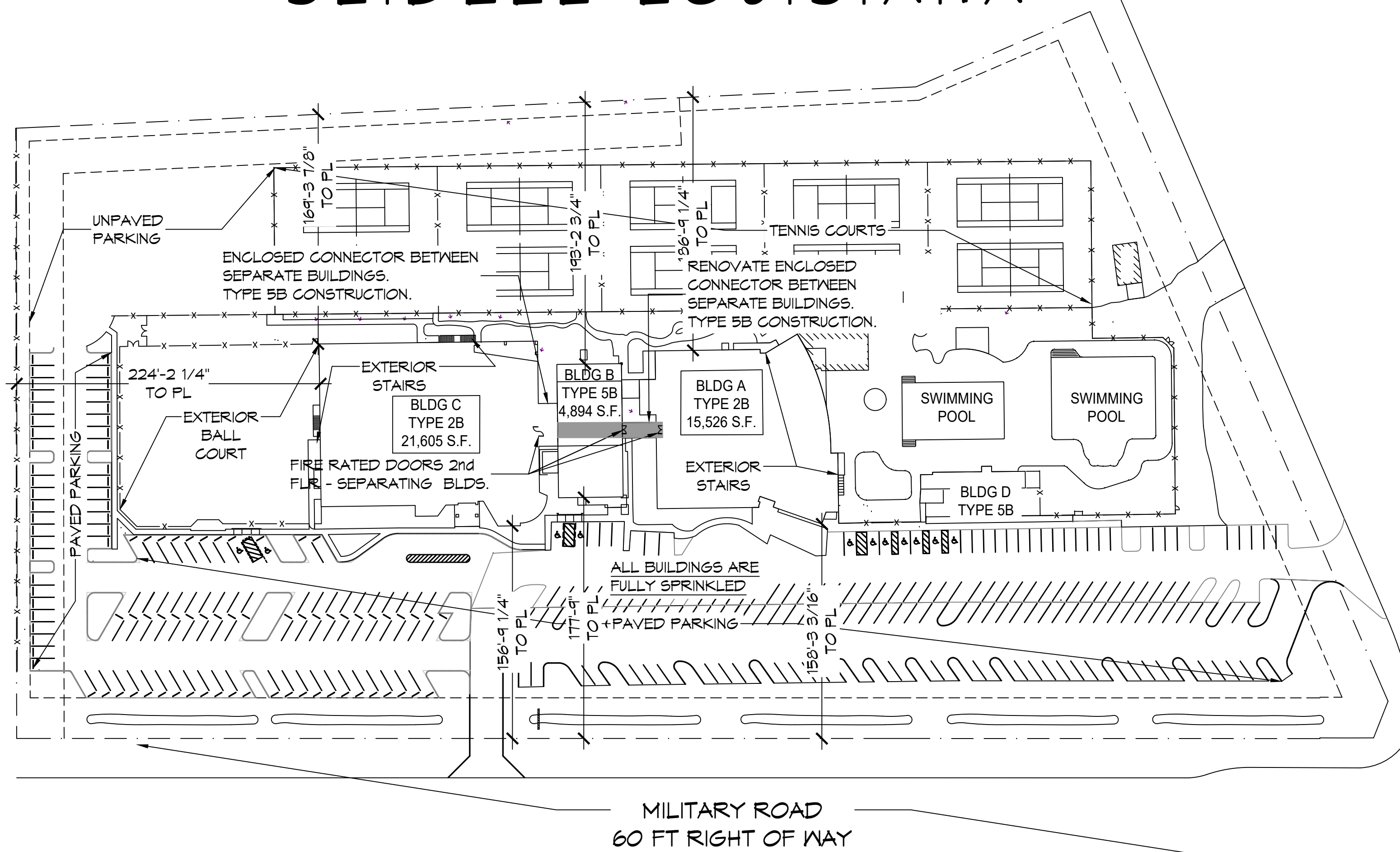
APPLICABLE CODES
 NFPA 101 LIFE-SAFETY CODE 2015 AND IBC 2021
 OCCUPANCY TYPE(S) AND CHAPTER(S)
 ASSEMBLY A-3 (CHAPTER 3)

| OCCUPANT LOAD FACTOR | | (REFERENCE TABLE 7.3.1.2) | |
|-------------------------|---------------------------|--|--|
| BLDG 'A' - ASSEMBLY A-3 | 50 GROSS - Exercise rooms | 1st Flr = 15,526 s.f. / 50 gross = 310 | 2nd Flr = 14,150 s.f. / 50 gross = 283 |
| BLDG 'B' - ASSEMBLY A-3 | 50 GROSS - Exercise rooms | 1st Flr = 4,894 s.f. / 50 gross = 98 | 2nd Flr = 2,651 s.f. / 50 gross = 53 |
| BLDG 'C' - ASSEMBLY A-3 | 50 GROSS - Exercise rooms | 1st Flr = 21,605 s.f. / 50 gross = 432 | 2nd Flr = 12,784 s.f. / 50 gross = 256 |

CLASSIFICATION OF HAZARD OF CONTENTS
 (REFERENCE: OCCUPANCY CHAPTER AND 6.2.2: SPECIFY LOW, ORDINARY, OR HIGH)
 CONSTRUCTION TYPE: VB (REFERENCE: CHAPTERS, TABLE A.8.2.1.2 AND COMMENTARY TABLE 6.1 IN HANDBOOK)
 MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS
 (REFERENCE: SECTION 7.5; SPECIFY 1/2 OR 1/3 DIAGONAL DISTANCE OF AREA SERVED)
 1/2 DIAGONAL = 47'-0"
 MAXIMUM DEAD-END CORRIDORS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
 20 FEET
 MAXIMUM COMMON PATH OF TRAVEL DISTANCE (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
 20 FEET/75 FEET
 MAXIMUM TRAVEL DISTANCE TO EXITS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
 200 FEET
 MAIN ENTRANCES MUST BE SIGNED TO ACCOMMODATE 1/2 OCCUPANT LOAD OF BUILDING

EXTINGUISHMENT REQUIREMENTS **SPRINKLERED**
DETECTION, ALARM, AND COMMUNICATION SYSTEMS YES
ALLOWABLE HEIGHT AND BUILDING AREA PER IBC EQUIVALENT CONSTRUCTION TYPE

CROSS GATES ATHLETIC CLUB SLIDELL LOUISIANA



SITE PLAN
SCALE: 1"=64' = 1"=0'

MILITARY ROAD
60 FT RIGHT OF WAY

BUILDING CODE INFORMATION

APPLICABLE CODES
 IBC 2021

ASSEMBLY GROUP AS (IBC 2015 CHAPTER 3)

| OCCUPANT LOAD CALCULATIONS | | (REFERENCE TABLE 1004.1.2) | |
|----------------------------|---------------------------|--|--|
| BLDG 'A' - ASSEMBLY A-3 | 50 GROSS - Exercise rooms | 1st Flr = 15,526 s.f. / 50 gross = 310 | 2nd Flr = 14,150 s.f. / 50 gross = 283 |
| BLDG 'B' - ASSEMBLY A-3 | 50 GROSS - Exercise rooms | 1st Flr = 4,894 s.f. / 50 gross = 98 | 2nd Flr = 2,651 s.f. / 50 gross = 53 |
| BLDG 'C' - ASSEMBLY A-3 | 50 GROSS - Exercise rooms | 1st Flr = 21,605 s.f. / 50 gross = 432 | 2nd Flr = 12,784 s.f. / 50 gross = 256 |

TOTAL OCCUPANTS: Bldg A = 948; Bldg B = 152; Bldg C = 688
 CONSTRUCTION TYPE(S): (TABLE 503)
 IIB & VB

| ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION | | | |
|--|----------------------------------|---|---|
| MAXIMUM HEIGHT (IBC TABLE 504.3) | MAXIMUM STORES (IBC TABLE 504.4) | ALLOWABLE AREA FACTOR MULTI-STORY SPRINKLERED | ALLOWABLE AREA FACTOR MULTI-STORY NON-SPRINKLERED |
| BLDG A, SPRINKLERED, TYP 2B = 75 FT | BLDG A, SPRINKLERED, TYP 2B = 3 | SM = 28,500 s.f. | NS = 9,500 s.f. |
| BLDG B, SPRINKLERED, TYP 5B = 60 FT | BLDG B, SPRINKLERED, TYP 5B = 2 | SM = 18,000 s.f. | NS = 6,000 s.f. |
| BLDG C, SPRINKLERED, TYP 2B = 75 FT | BLDG C, SPRINKLERED, TYP 2B = 3 | SM = 28,500 s.f. | NS = 9,500 s.f. |

WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC 1609 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

WIND DESIGN DATA: DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.3 (A), (B), OR (C) DEPENDING ON THE RISK CATEGORY

| ULTIMATE WIND SPEED | CATEGORY II | NOMINAL WIND SPEED | V90d = 104 MPH |
|-------------------------|-------------|--------------------|----------------|
| 141 MPH (IBC FIG 1609C) | | | |

RISK FACTOR: SURFACE ROUGHNESS = B
 TOPOGRAPHIC FACTOR = 1 EXPOSURE = B
 INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1): ± 0.18

FLOOD ZONE INFORMATION

BASED ON THE SURVEY OF THIS PROPERTY BY J.V. BURKES AND ASSOCIATES, INC. THIS PROPERTY IS IN A SPECIAL FLOOD HAZARD AREA. F.I.R.M. COMMUNITY MAP NO 220205 0420 E; REVISED 4/21/99

| FLOOD ZONE: | A | BASE FLOOD ELEVATION | 17.0 NGVD |
|-------------------------------------|---|----------------------|-----------|
| ELEVATIONS REFER TO NGVD 1929 DATUM | | | |

PROJECT STATISTICS

| EXISTING BUILDINGS | YEAR BUILT | CONSTRUCTION TYPE | 1st FLOOR GROSS S.F. | 2nd FLOOR GROSS S.F. |
|--------------------|------------|-------------------|----------------------|----------------------|
| BLDG A | 1991 | IIB | 21,605 | 10,203 |
| BLDG B | 1993 | VB | 4,894 | 2,536 |
| BLDG C | 2006 | IIB | 15,526 | 14,161 |

Project Synopsis:
 Cross Gates Athletic Club has three (3) existing main buildings A, B, & C. Building B is the original building; the newer buildings, A & C, were constructed at a higher elevations due to FEMA Flood maps at the time of their construction. Currently the buildings are connected on the first floor via enclosed connectors with stairs that serve the staff & customers to move from building to building without requiring them to exit one building to enter the next. The second floor of Building B is connected to the second floor of building C with stairs; however there is no path from the 2nd floor of building A to the second floor of building B.

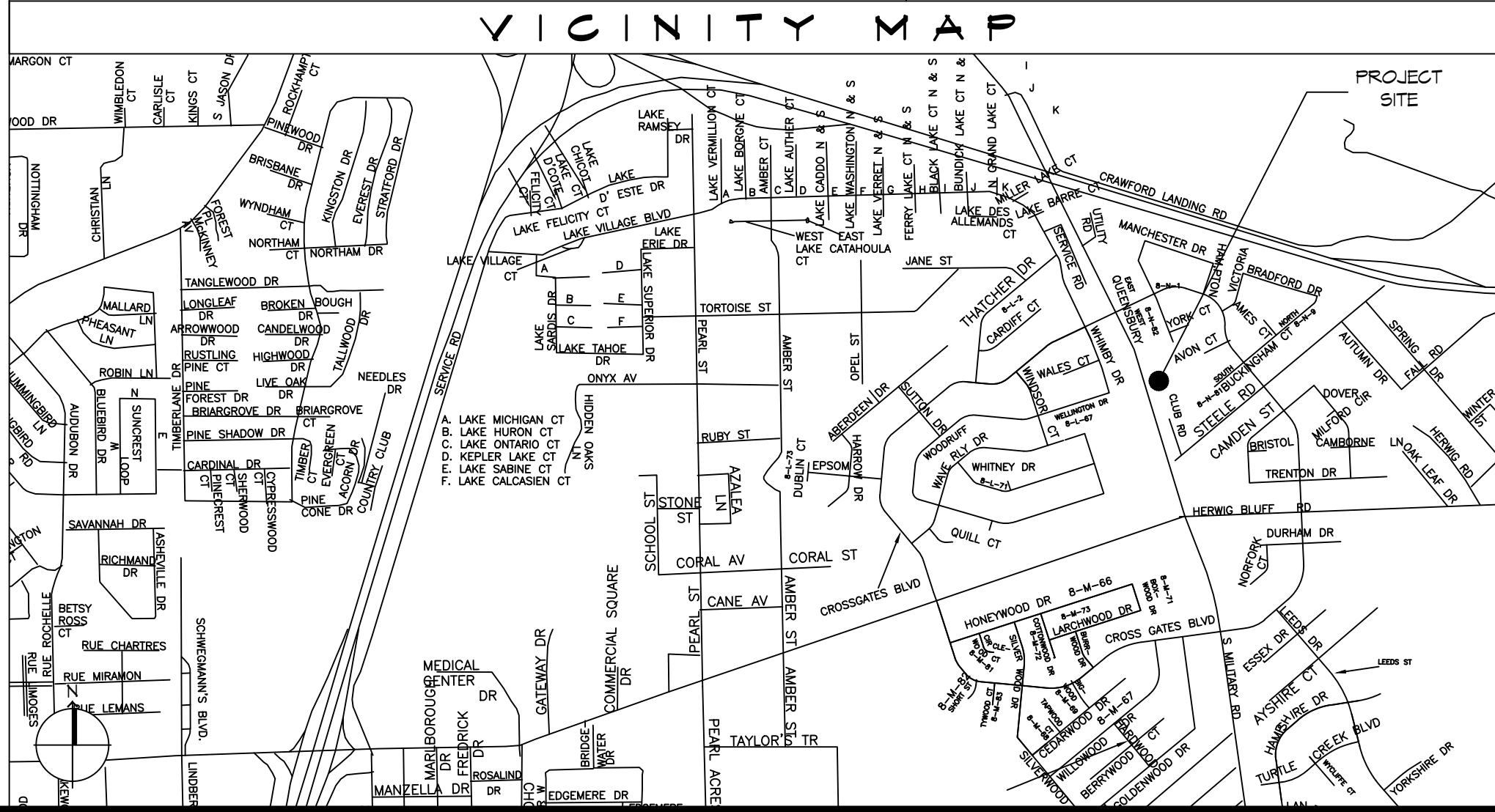
The owner wants to create an open floor such that a person could walk from the 2nd floor of building A thru the 2nd floor of B to the second floor of building C.

Building B is metal building with wood frame construction for interior walls and 2nd floor support. The connector between buildings A & B is constructed of wood frame construction. This project extends building B to the face of buildings A & C.

Each of the buildings at the connection between buildings, will be separated with 1 1/2 hour fire rated doors that area magnetically held open and connected to the fire alarm system. All 3 buildings, as well as connectors, are sprinkled and none of the existing Egress routes will be altered during this construction.

PROJECT LOCATION: 300 NORTH MILITARY ROAD, SLIDELL, LA 70460
OWNER: CROSS GATES ATHLETIC CLUB, LARRY WELCH

| ALLOWABLE BLDG AREA INCREASE BLDG A | ALLOWABLE BLDG AREA INCREASE BLDG B | ALLOWABLE BLDG AREA INCREASE BLDG C |
|---|--|--|
| BLDG FULLY SPRINKLERED, BLDG CONSTRUCTION 2B ASSEMBLY GROUP A-3, SM = 28,500 s.f.; NS = 9,500 s.f. W = 30 (SHALL NOT EXCEED 30, IBC SEC. 506.3.2) IF = (F/P - 0.25) X W/30 (IBC SEC. 506.3.3) F = 249.66ft; P = 549.58ft; IF = ((249.66/549.58) - 0.25) X (30/30) IF = 0.20 Aa = [At + (NS x IF)] x Sa Aa = [28,500 + (9,500 X 0.2)] X 2 Aa = 60,800 s.f. / 2 STORIES = 30,400 s.f. Each Floor | BLDG FULLY SPRINKLERED, BLDG CONSTRUCTION 5B ASSEMBLY GROUP A-3, SM = 18,000 s.f.; NS = 6,000 s.f. W = 30 (SHALL NOT EXCEED 30, IBC SEC. 506.3.2) IF = (F/P - 0.25) X W/30 F = 95.33 ft; P = 292.0 ft IF = ((95.33/292.0) - 0.25) X (30/30) IF = 0.076 Aa = [At + (At x IF) + (At x IS)] x Sa Aa = [18,000 + (6,000 X 0.076)] X 2 Aa = 36,912 s.f. / 2 STORIES = 18,456 s.f. Each Floor | BLDG FULLY SPRINKLERED, BLDG CONSTRUCTION 2B ASSEMBLY GROUP A-3, SM = 28,500 s.f.; NS = 9,500 s.f. W = 30 (SHALL NOT EXCEED 30, IBC SEC. 506.3.2) IF = (F/P - 0.25) X W/30 (IBC SEC. 506.3.3) F = 494.66 ft; P = 599.75 ft; IF = ((494.66/599.75) - 0.25) X (30/30) IF = 0.575 Aa = [At + (NS x IF)] x Sa Aa = [28,500 + (9,500 X 0.575)] X 2 Aa = 67,925 s.f. / 2 STORIES = 33,962 s.f. Each Floor |



SHEET INDEX

| SHEET # | SHEET TITLE |
|---------|---|
| 0001 | GENERAL PROJECT, LIFE-SAFETY, AND BUILDING CODE INFORMATION |
| G101 | OVERALL SITE PLAN |
| D101 | 1ST & 2ND FLOOR BLDG A & B - DEMO PLAN |
| A101 | 1st & 2nd FLOOR PLANS |
| A102 | BLDG A - B CONNECTOR SECTIONS AND ROOF PLAN |
| A103 | PARTIAL ELEVATION |
| A104 | TYPICAL CONNECTION DETAILS-SCHEDULES & NOTES |
| E101 | LIGHTING AND POWER PLAN |

GENERAL NOTES

- ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
- CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
- THE DRAWINGS, SPECIFICATIONS AND ANY SUBSEQUENTLY ISSUED ADDENDA, AMENDMENTS OR SUCH CHANGE ORDERS APPROVED BY THE OWNER AND THE CONTRACTOR ARE PART OF THESE CONTRACT DOCUMENTS.
- DO NOT SCALE DRAWINGS. CONSULT WITH THE ARCHITECT REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
- TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
- THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
- CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
- NAMING A CERTAIN BRAND, MAKE OR MANUFACTURER IS TO DESIGNATE THE GENERAL STYLE, TYPE, CHARACTER AND QUALITY STANDARD OF THE PRODUCT DESIRED. SUBSTITUTION REQUESTS MUST BE SUBMITTED PRIOR TO BIDDING.
- ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS WILL BE REJECTED BY OWNER/ARCHITECT.

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| DATE | REVISIONS | DESCRIPTION |
|------|-----------|-------------|
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| | | |



CROSS GATES ATHLETIC CLUB

STAIR ADDITION

SHEET TITLE: GENERAL PROJECT, LIFE-SAFETY, AND BUILDING CODE INFORMATION
 DRAWING NUMBER: **GOO1**

DATE: 05-09-2024
 2:27
 300 NORTH MILITARY ROAD, SLIDELL, LA.
 JOB NO.:
 DRAWN BY: JTL
 CHECKED BY: JMS

SHEET No: 1 of 6