

LIFE-SAFETY INFORMATION

APPLICABLE CODES
 NFPA 101 LIFE-SAFETY CODE 2015
 OCCUPANCY TYPE(S) AND CHAPTER(S)
 ASSEMBLY EDUCATIONAL
 MIXED OCCUPANCY (REFERENCE CHAPTER 6)
OCCUPANT LOAD FACTOR (REFERENCE TABLE 7.3.1.2)
 EDUCATIONAL CLASSROOM AREA = 610.6 s.f. NET X & B CLASS 20 NET 30 OCCUPANTS X B = 240 OCCUPANTS
 OFFICE AREA = 729 s.f. GROSS 100 GROSS 7 OCCUPANTS
 LUNCH ROOM = 662 s.f. NET 15 NET, LESS CONCENTRATED 44 OCCUPANTS
 ACCESSORY STORAGE = 644 s.f. GROSS 500 GROSS 1 OCCUPANTS
TOTAL OCCUPANTS 292 OCCUPANTS
CLASSIFICATION OF HAZARD OF CONTENTS
 (REFERENCE: OCCUPANCY CHAPTER AND 6.2.2; SPECIFY LOW, ORDINARY, OR HIGH)
CONSTRUCTION TYPE= VB (REFERENCE: CHAPTER 8, TABLE A.8.2.1.2 AND COMMENTARY TABLE 8.1 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 = 113.5' / 2 56.75'
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)
 75 FEET
MAXIMUM TRAVEL DISTANCE TO EXITS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
 150 FEET
 *MAIN ENTRANCE MUST BE SIGNED TO ACCOMMODATE 1/2 OCCUPANT LOAD OF BUILDING
EXTINGUISHMENT REQUIREMENTS NOT SPRINKLERED (NOT REQUIRED)
DETECTION, ALARM, AND COMMUNICATION SYSTEMS YES
ALLOWABLE HEIGHT AND BUILDING AREA PER IBC EQUIVALENT CONSTRUCTION TYPE

BUILDING CODE INFORMATION

APPLICABLE CODES
 IBC 2015
EDUCATIONAL GROUP E (IBC 2012 CHAPTER 3)
OCCUPANT LOAD CALCULATIONS (TABLE 1004.1.2)
 EDUCATIONAL CLASSROOM AREA = 610.6 s.f. NET X & B CLASSROOMS 20 NET 30 OCCUPANTS X B = 240 OCCUPANTS
 OFFICE AREA = 729 s.f. GROSS 100 GROSS 7 OCCUPANTS
 LUNCH ROOM = 662 s.f. NET 15 NET, LESS CONCENTRATED 44 OCCUPANTS
 ACCESSORY STORAGE = 644 s.f. GROSS 500 GROSS 2 OCCUPANTS
TOTAL OCCUPANTS 293 OCCUPANTS
CONSTRUCTION TYPE(S) VB (SECTION 602)
ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION
 MAXIMUM HEIGHT IN STORIES (SECTION 503 & 504, TABLE 504.4) 1
 MAXIMUM AREA IN SQUARE FEET (SECTION 503, 506 & 507, TABLE 506.2) WITH AREA INCREASE: NS-A2 & NS-A3 15,580 SF
 BUILDING AREA IN SQUARE FEET 10,368 SF

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 = 142 MPH (IBC FIG 1609C)	NOMINAL WIND SPEED = V _{asd} = 110 MPH
RISK FACTOR: CATEGORY II	SURFACE ROUGHNESS = B
TOPOGRAPHIC FACTOR = 1	EXPOSURE = B
INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1):	± 0.18

LIVE LOADS (IBC SEC 1607)

ASSEMBLY FIXED SEATING (IBC TABLE 1607.1):	60 PSF
STAIRS & EXITS (IBC TABLE 1607.1):	100 PSF, 300 CONCENTRATED
LOBBIES (IBC TABLE 1607.1):	100 PSF
CLASSROOMS (IBC TABLE 1607.1):	40 PSF UNIFORM, 1,000 LB CONCENTRATED
CORRIDORS 1ST FLOOR (IBC TABLE 1607.1):	100 PSF
DINING ROOMS (IBC TABLE 1607.1):	100 PSF
ROOF LIVE LOADS (IBC TABLE 1607.1):	20 PSF UNIFORM, 300 LB CONCENTRATED
SNOW LOADS (IBC TABLE 1608):	
GROUND SNOW LOAD (IBC FIG 1608.2):	5 PSF

FLOOD ZONE INFORMATION

BASED ON THE SURVEY OF THIS PROPERTY BY LESTER MARTIN JR. & ASSOCIATES, LLC THIS PROPERTY IS NOT IN A SPECIAL FLOOD HAZARD AREA. F.I.R.M. COMMUNITY MAP NO 220203 0001 B; REVISED 5/4/08

FLOOD ZONE:	AE	BASE FLOOD ELEVATION	9+2
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ELEVATIONS REFER TO 220204 001C FIRM DATE:04-21-1999

RELOCATION OF INDUSTRIALIZED BUILDING FOR LAKESIDE CHRISTIAN ACADEMY SLIDELL LOUISIANA

THESE ARE EXISTING INDUSTRIALIZED BUILDINGS PREVIOUSLY USED FOR EDUCATIONAL PURPOSES AND NOW WILL BE RELOCATED AND USED FOR SAME. ALL THE INTERIOR WALLS AND ASSOCIATED COMPONENTS SHALL REMAIN THE SAME. SEE MANUFACTURE DRAWINGS.

ALLOWABLE BLDG AREA INCREASE

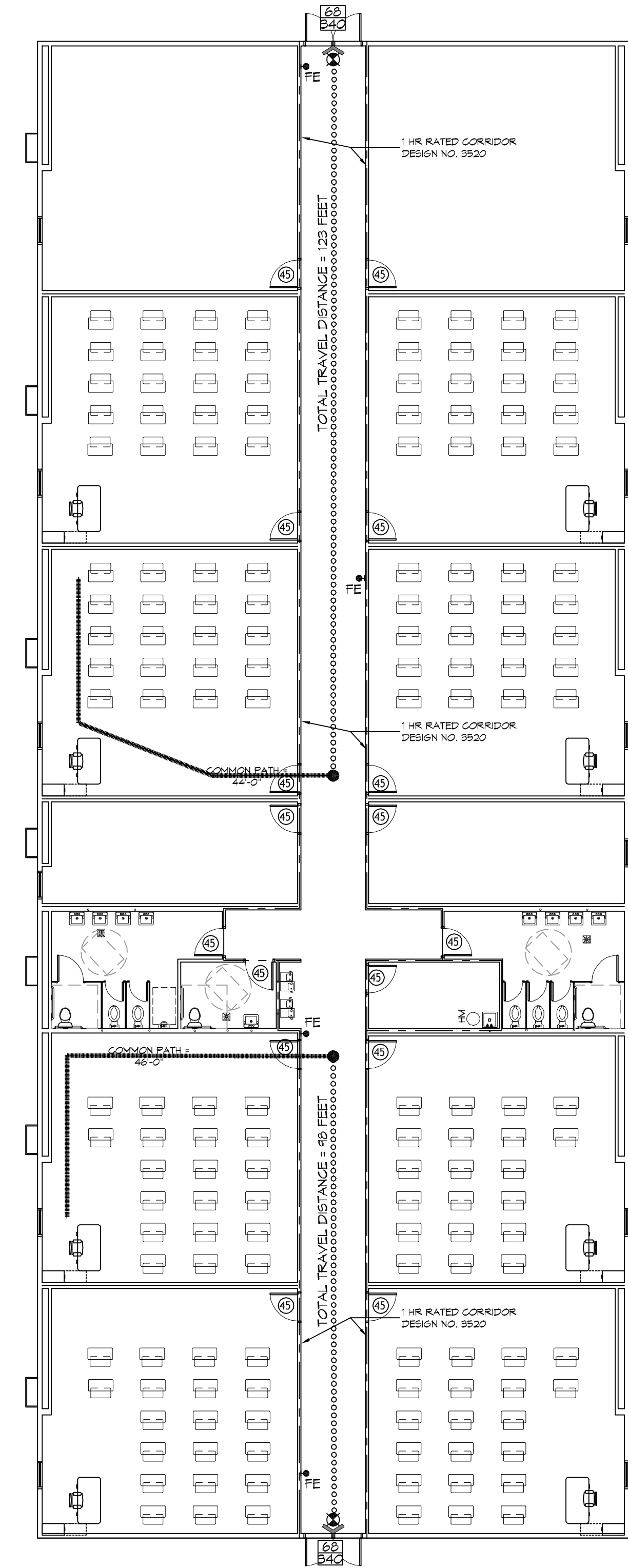
TABLE 506.2 ALLOWABLE AREA = 9,500 SQ. FT.

SECTION 506.2 FRONTAGE INCREASE FOR 30 FT. OPEN SPACE AROUND THE BUILDING IS 64%(3 SIDES) 9,500X.64=6,080

ALLOWABLE BUILDING AREA: 9,500+6,080=15,580 > 10,372

LIFE-SAFETY LEGEND

SYMBOL	DESCRIPTION
>	EXITS
45	DOOR FIRE RATING (MINUTES)
36	DOOR WIDTH/EGRESS CAPACITY
EL	EXIT LIGHT
FE	FIRE EXTINGUISHER AND CABINET
FE	FIRE EXTINGUISHER IN WALL MTD BRACKET
-----	COMMON PATH OF TRAVEL
.....	TRAVEL DISTANCE
●	DECISION POINT
---	SMOKE PARTITION
---	ONE-HOUR FIRE RATED PARTITION
---	TWO-HOUR FIRE RATED PARTITION
---	TWO-HOUR FIRE/SMOKE PARTITION
---	FOUR-HOUR RATED PARTITION



1 LIFE-SAFETY PLAN
 SCALE: 3/32" = 1'-0"

SHEET INDEX

SHEET #	SHEET TITLE
0001	GENERAL PROJECT, LIFE-SAFETY, AND BUILDING CODE INFORMATION
0002	ACCESSIBILITY INFORMATION
C101	SITE PLAN
C102	SITE UTILITY PLAN
S101	FOUNDATION PLAN
A101	FLOOR PLAN
A102	HANDICAP RAMP AND DETAILS
A103	PORCHES AND STAIRS PLANE AND DETAILS
E101	POWER PLAN
E102	LIGHTING PLAN
E103	CIRCUIT PANELS AND ONE-LINE DIAGRAM

PROJECT STATISTICS

EXISTING INDUSTRIALIZED BUILDINGS FOR EDUCATIONAL USE
 EACH BLDG = 10,370 X 2 = 20,740 SF

PROJECT LOCATION:
 1000 CANULETTE RD,
 SLIDELL, LA 70458

OWNER:
 Pastor JOHN RAYMOND

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 APPENDIX, 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.

DAMMON ENGINEERING, INC.
 LOUISIANA & MISSISSIPPI
 Chief Engineer: Brian Metch, PE
 554 Old Spanish Trail
 Slidell, LA 70488
 www.dammonengineering.com
 info@dammonengineering.com
 PH: 985.649.5832 F: 985.641.9590

REVISIONS

#	DESCRIPTION	DATE

DATE

06-10-2021

DESCRIPTION

1000 CANULETTE RD, SLIDELL, LA 70458

ESTIMATED DAY

1000 CANULETTE RD,
 SLIDELL, LA 70458

JOB No: 2440 DATE: 06-10-2021
 RLD/ CHECKED BY: JWS
 DRAWN BY:

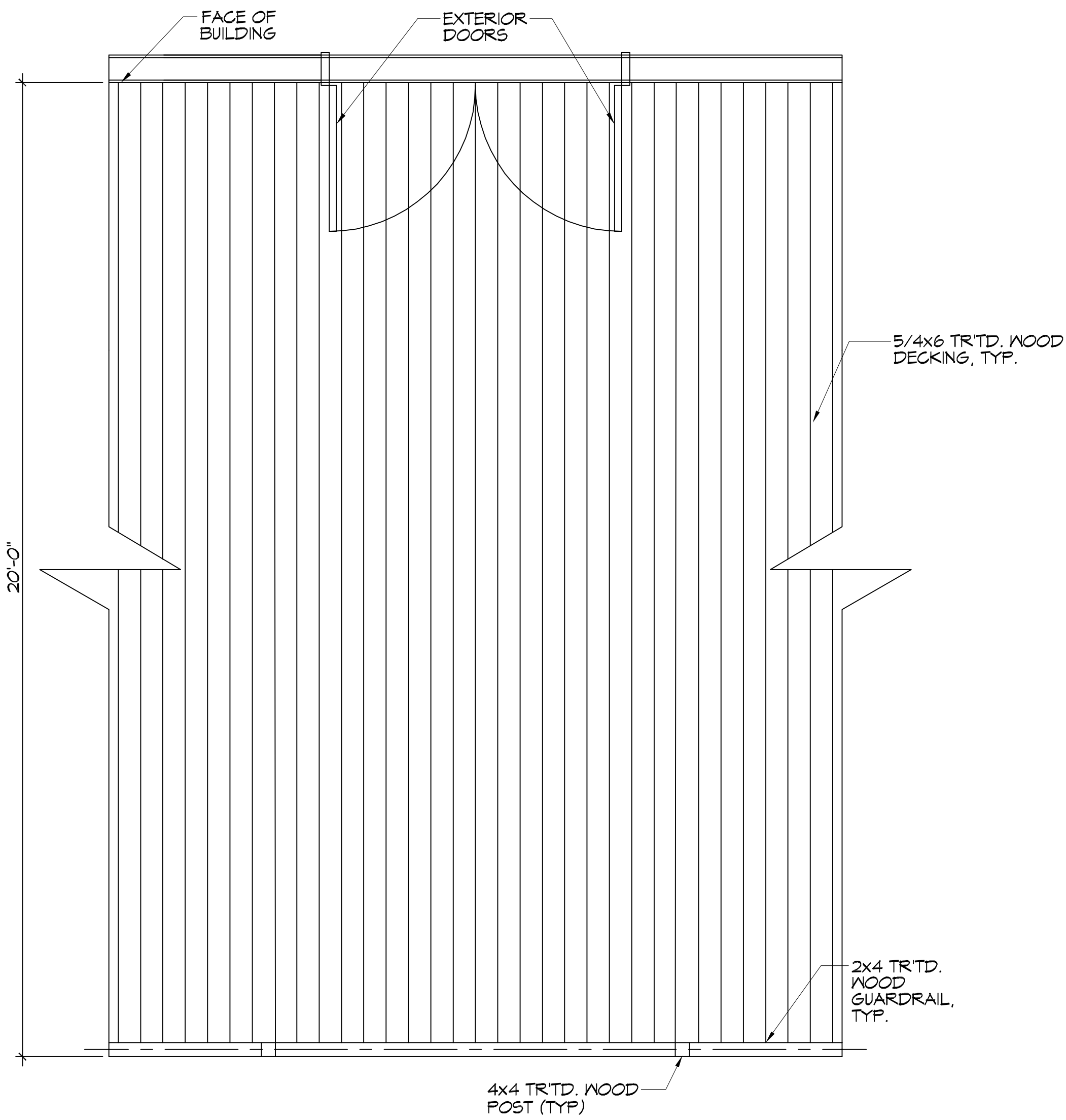
GENERAL PROJECT, LIFE-SAFETY, AND BUILDING CODE INFORMATION

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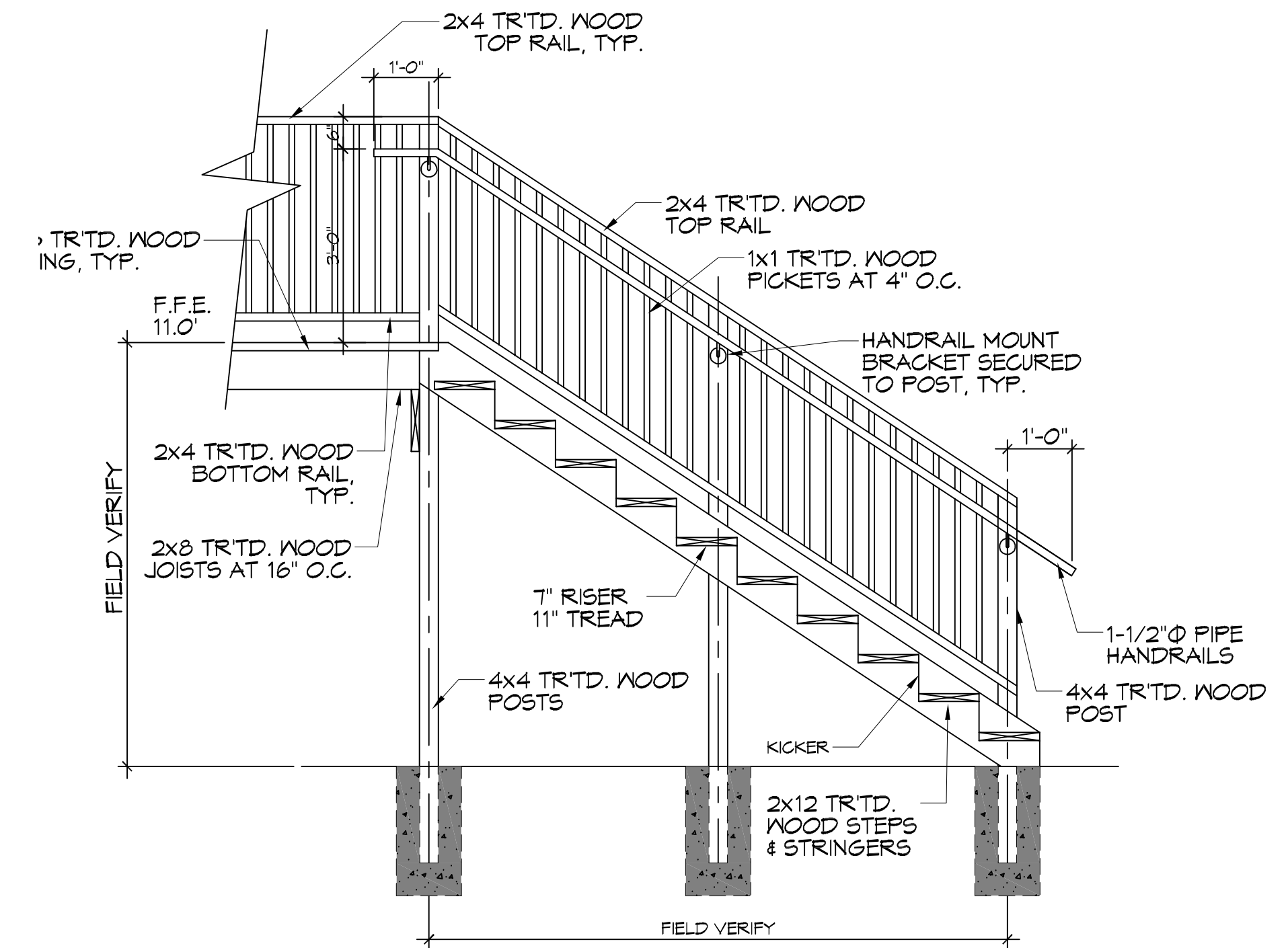
SHEET No: 1 of 11

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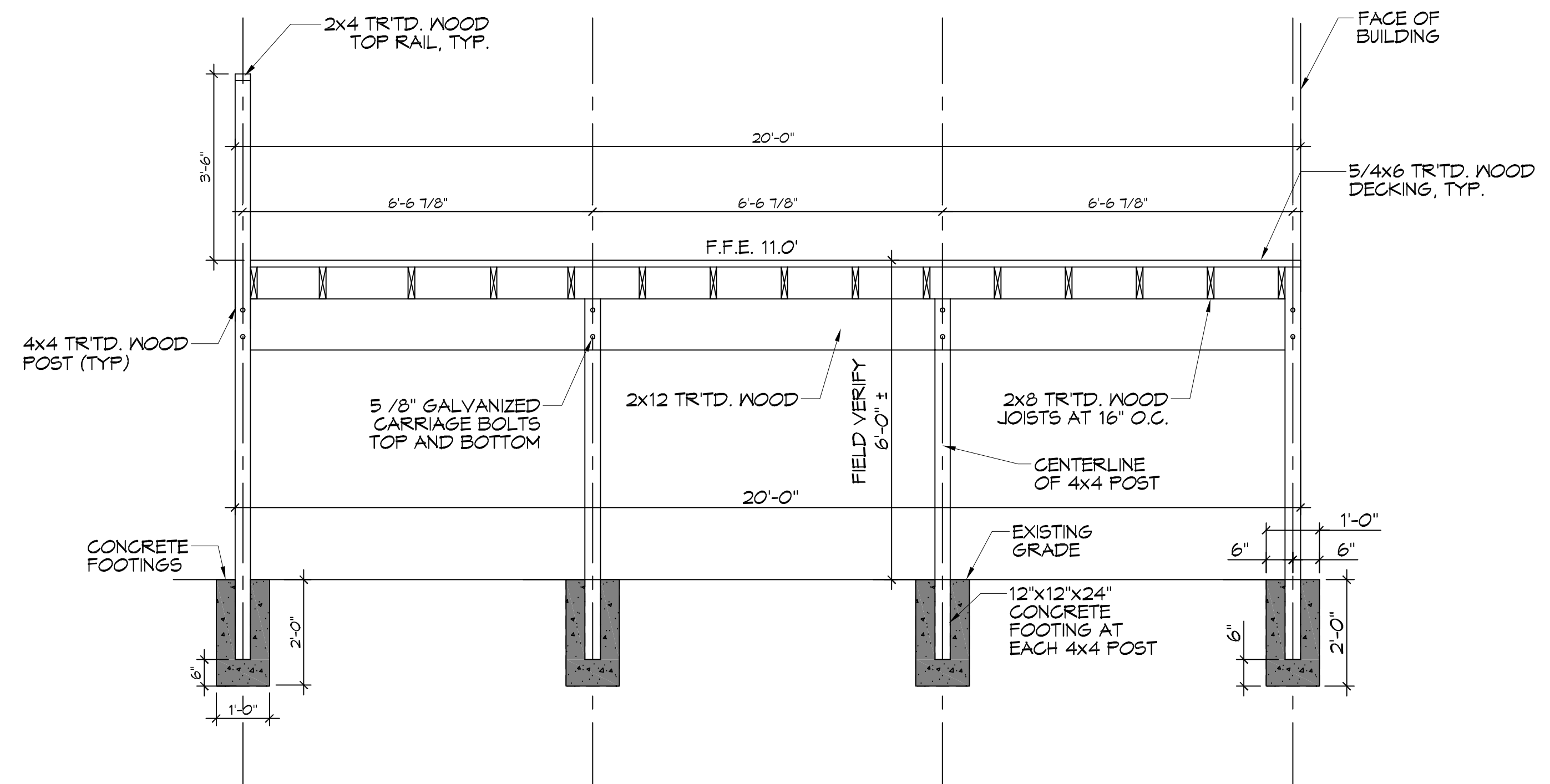


23 PORCH PLAN
SCALE: 1/2" = 1'-0"

PARTIAL PORCH PLAN



D TYP. STAIR SECTION
SCALE: 1/2" = 1'-0"



E PORCH SECTION
SCALE: 1/2" = 1'-0"

PORCH FRAMING

DAMMON
ENGINEERING, INC.
 LOUISIANA & MISSISSIPPI

Chief Engineer: Brian Mitchell, PE
 594 Old Spanish Trail
 Slidell, LA 70688
 www.dammonengineering.com
 info@dammonengineering.com
 PH: 985.649.2882 FX: 985.641.1980

#	DESCRIPTION	DATE

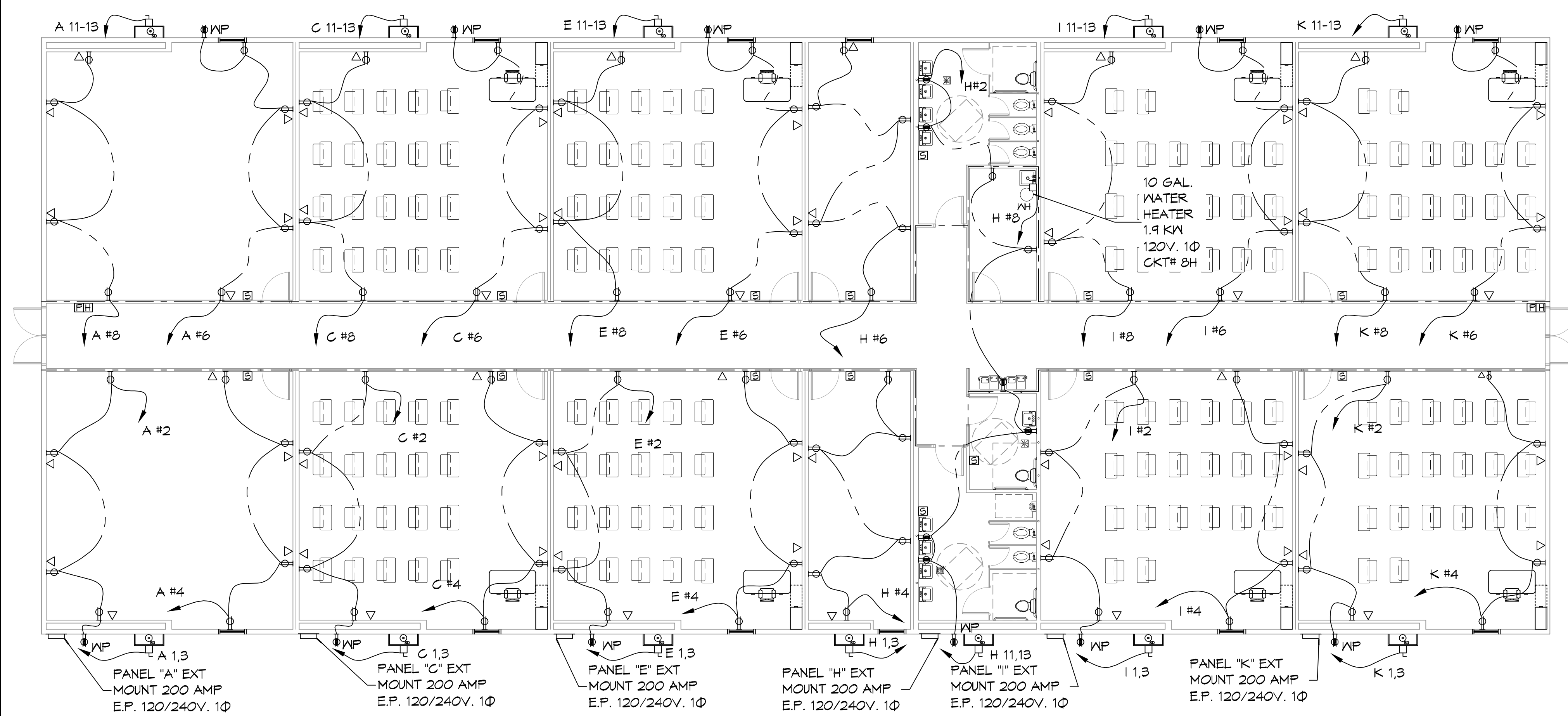
LAKESIDE
ACADEMY
 1000 CANILLETTE RD.
 SLIDELL, LA 70458
 JOB No: 2440 DATE: 06-10-2021
 DRAWN BY: JAS
 CHECKED BY: JAS

SHEET TITLE:
 PORCHES & STAIRS -
 PLANS & DETAILS

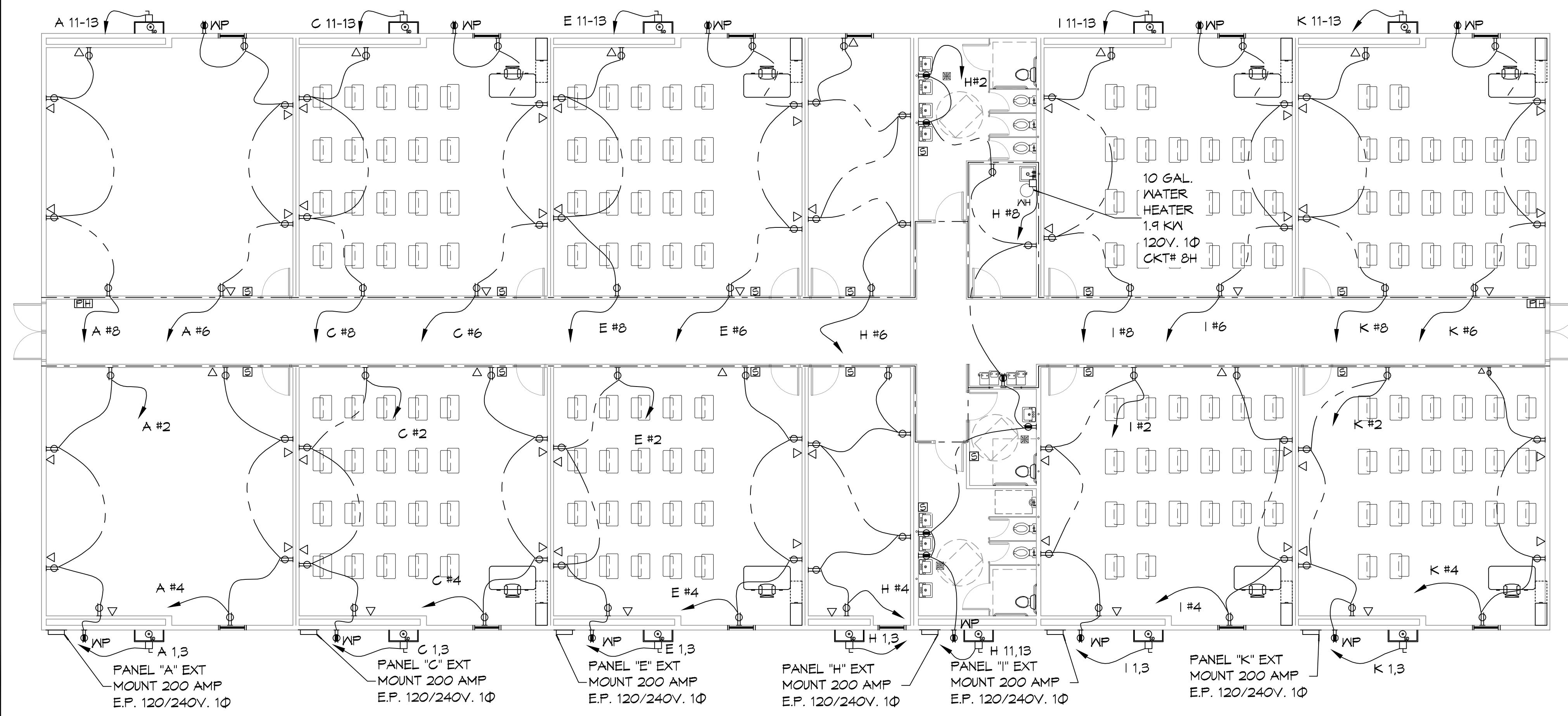
DRAWING NUMBER:

A103

DATE PLOTTED: 04/11/2021 10:00:00 AM



24 BUILDING 2 EXISTING POWER PLAN
SCALE: 1/8"=1'-0"



25 BUILDING 1 EXISTING POWER PLAN
SCALE: 1/8"=1'-0"

LEGEND

SYMB DESCRIPTION

- STANDARD 120V DUPLEX RECEPTACLE, NEMA 5-2 OR 1Ø AFF (UNLESS OTHERWISE NOTED)
- GFCI DUPLEX RECEPTACLE
- WEATHER-PROOF GFCI DUPLEX RECEPTACLE MOUNTED AT 90° AFF (UNLESS OTHERWISE NOTED)
- SMOKE DETECTOR
- WALL MOUNTED DATA OUTLET
- POWER DISCONNECT
- FIRE ALARM PULL
- FIRE ALARM HORN
- FIRE ALARM STROBE

NOTES:

1. CONNECT ALL EMERGENCY/EXIT LIGHT FIXTURES TO NEAREST CONSTANT POWER SOURCE.

CONTRACTOR NOTE:

ALL TRAILERS HAVE BEEN PRE-WIRED. ELECTRICIAN IS TO VERIFY AND NOTE ANY EXCEPTIONS.

GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED FLOORS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
11. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE NON-METALLIC CABLE (NMC) CABLE COPPER, FOR LIGHTS AND RECEPTACLE CIRCUITS IN WOOD FRAME CONSTRUCTION AREAS ONLY; IN STEEL FRAMING AREAS THE USE OF EMT (MINIMUM) IS REQUIRED; EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE STAMPED BOXES.
12. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:250-63, NFPA 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-230.
16. FUSES SHALL BE ITC CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ADJUTING PROPERTY LINE.
19. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.

Electrical Load Summary

Project Name: Lakeside Christian Academy
 Project Address: 1000 Canulette Dr.
 City / Town: Slidell, LA

Intended Use: School
 Requested Service: 208 Volts 3 Phase 4 Wires
 Service Entrance Size: 1,000 Amps
 HVAC Tonnage: 72 Tons
 Largest Motor: 2.0 HP (Note: Motors above 20 hp may require reduced voltage starting and are never recommended for use with 120/240V, 3 Ø, 4W services.)

Total Building Square Footage: 20,744 Square Feet
 Individual Unit Square Footage: _____ Square Feet (Multiple Occupancy)
 Individual Unit Designation: _____ (Multiple Occupancy)

LOAD SOURCE	277V / 480V		120V / 240V	
	1Ø - kVA	3Ø - kVA	1Ø - kVA	3Ø - kVA
Building Lighting			60.0	
Electric Water Heating			9.0	
Heat Pump				
Supplemental Heat System				
PACKAGE UNIT Heat/Air Conditioning			252.0	
Electrical Heating (Circle - Primary / Secondary)				
Cooking				
Refrigeration				
Receptacles (Standard)			40.3	
Receptacles (Computer)				
Laundry Cleaning Equipment				
Parking Lot / Exterior Lighting				
Miscellaneous			2.3	
Other (Specify)				

DAMMON

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LOUISIANA & MISSISSIPPI

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 504 Old Spanish Trail
 Slidell, LA 70468
 www.dammonengineering.com
 info@dammonengineering.com
 PH: 985.949.2582, FX: 985.949.1250

#	DESCRIPTION	DATE



LAKESIDE LCHRACADEMY

1000 CANULETTE RD., SLIDELL, LA 70468
 JOB NO: 2440 DATE: 06-10-2021
 DRAWN BY: BDM
 CHECKED BY: RLD

SHEET TITLE: EXISTING POWER PLAN

DRAWING NUMBER: **E101**

SHEET No: 9 of 11

