

### LIFE-SAFETY INFORMATION

|  |   |
|--|---|
| <b>APPLICABLE CODES</b>  |   |
| NFPA 101 LIFE-SAFETY CODE 2015   |   |
| OCCUPANCY TYPE(S) AND CHAPTER(S)   |   |
| ASSEMBLY (CHAPTER 12)  |   |
| <b>OCCUPANT LOAD FACTOR</b>  | (REFERENCE TABLE 7.3.1.2)                                     |
| ASSEMBLY (Concentrated use, without fixed seating)   | 7 NET / PERSON<br>2074 S.F. / 7 S.F. / PERSON = 241 OCCUPANTS |
| <b>CLASSIFICATION OF HAZARD OF CONTENTS</b>  |   |
| (REFERENCE: OCCUPANCY CHAPTER AND 6.2.2: SPECIFY LOW, ORDINARY, OR HIGH)                         |   |
| CONST. TYPE = B(200) (REFERENCE: CHAPTERS, 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)                    |   |
| 1/3 DIAGONAL =   | 107 FT / 3 = 35.6 FT  |
| 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  |   |
| MAXIMUM TRAVEL DISTANCE TO EXITS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)                  |   |
| 250 FEET   |   |
| *MAIN ENTRANCE MUST BE SIGNED TO ACCOMMODATE 1/2 OCCUPANT LOAD OF BUILDING                       |   |
| <b>EXTINGUISHMENT REQUIREMENTS</b> THIS BUILDING IS FULLY SPRINKLERED                            |   |
| <b>DETECTION, ALARM, AND COMMUNICATION SYSTEMS</b> MONITORED FIRE ALARM SYSTEM                   |   |
| <b>ALLOWABLE HEIGHT AND BUILDING AREA</b> PER IBC EQUIVALENT CONSTRUCTION TYPE                   |   |

### BUILDING CODE INFORMATION

|   |                       |
|---|-----------------------|
| <b>APPLICABLE CODES</b>   |                       |
| IBC 2015  |                       |
| <b>ASSEMBLY GROUP A2 &amp; A5</b>   | (IBC 2015 CHAPTER 10) |
| <b>OCCUPANT LOAD CALCULATIONS</b>   | (TABLE 1004.1.2)      |
| ASSEMBLY A-3 (CONSECRATED NON-FIXED SEATING) =                            | 1 S.F. NET / PERSON   |
| 2074 S.F. / 7 S.F. / PERSON =   | 241 OCCUPANTS         |
| <b>TOTAL OCCUPANTS</b>  | 241 OCCUPANTS         |
| <b>CONSTRUCTION TYPE(S)</b>   | 3 B (SECTION 602)     |
| <b>ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION</b> |                       |
| MAXIMUM HEIGHT IN STORIES (SECTION 503 & 504, TABLE 504.4)                | 2                     |
| MAXIMUM AREA IN SQUARE FEET (SECTION 503, 506 & 507, TABLE 506.2)         | 39,000 SF             |
| ACTUAL BUILDING FIRE AREA IN SQUARE FEET                                  | 18,000 SF             |

### WIND SPEED DESIGN REQUIREMENTS

IMPROVEMENTS TO 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 <sub>ref</sub> = 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  |                                       |                      |                            |
| <b>LIVE LOADS (IBC SEC 1607)</b>   |                                       |                      |                            |
| ASSEMBLY MOVEABLE SEATING (IBC TABLE 1607.1):  | 100 PSF                               |                      |                            |
| PLATFORMS (ASSEMBLY) (IBC TABLE 1607.1):   | 100 PSF                               |                      |                            |
| LOBBIES (IBC TABLE 1607.1):  | 100 PSF                               |                      |                            |
| CLASSROOMS (IBC TABLE 1607.1):   | 40 PSF UNIFORM, 1,000 LB CONCENTRATED |                      |                            |
| ROOF LIVE LOADS (IBC TABLE 1607.1):  | 20 PSF UNIFORM, 300 LB CONCENTRATED   |                      |                            |
| <b>SNOW LOADS (IBC TABLE 1608):</b>  |                                       |                      |                            |
| GROUND SNOW LOAD (IBC FIG 1608.2):   | 5 PSF                                 |                      |                            |

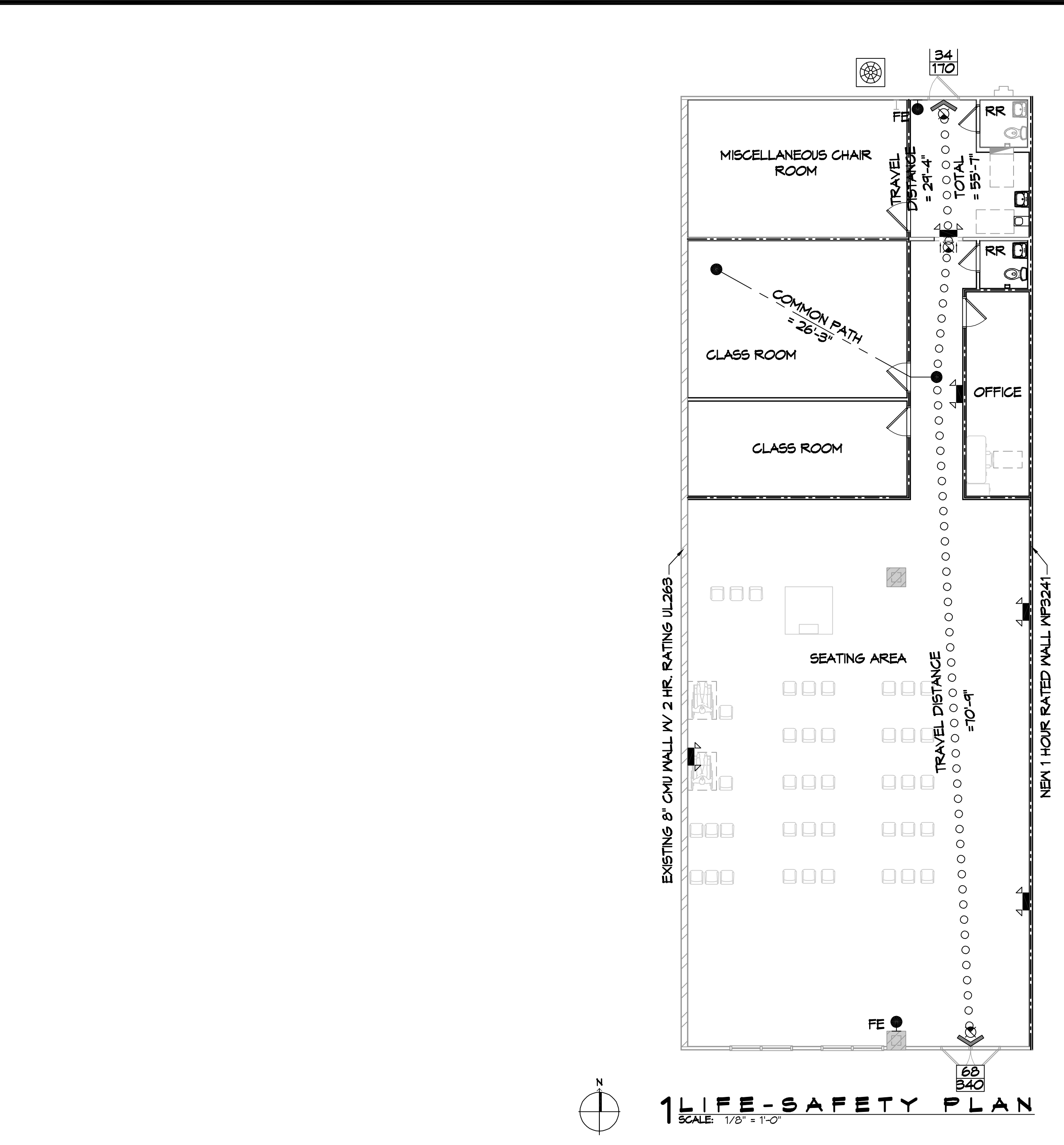
### FLOOD ZONE INFORMATION

BASED ON THE LSU FLOOD MAP PROPERTY IS IN ZONE AE, EL. 19 BASE FLOOD.

|  |    |                       |       |
|--|----|-----------------------|-------|
| FLOOD ZONE:  | AE | BASE FLOOD ELEVATION: | 19.0' |
| FIRM, COMMUNITY NUMBER 2201C0695F DATE: 04/30/2008 |    |                       |       |

### LIFE-SAFETY LEGEND

| SYMBOL | DESCRIPTION                           |
|--------|---------------------------------------|
|        | EXITS                                 |
|        | DOOR FIRE RATINGS (MINUTES)           |
|        | DOOR WIDTH/EGRESS CAPACITY            |
|        | EXIT LIGHT                            |
|        | FIRE EXTINGUISHER VV WALL MTD BRACKET |
|        | COMMON PATH OF TRAVEL                 |
|        | TRAVEL DISTANCE                       |
|        | DECISION POINT                        |

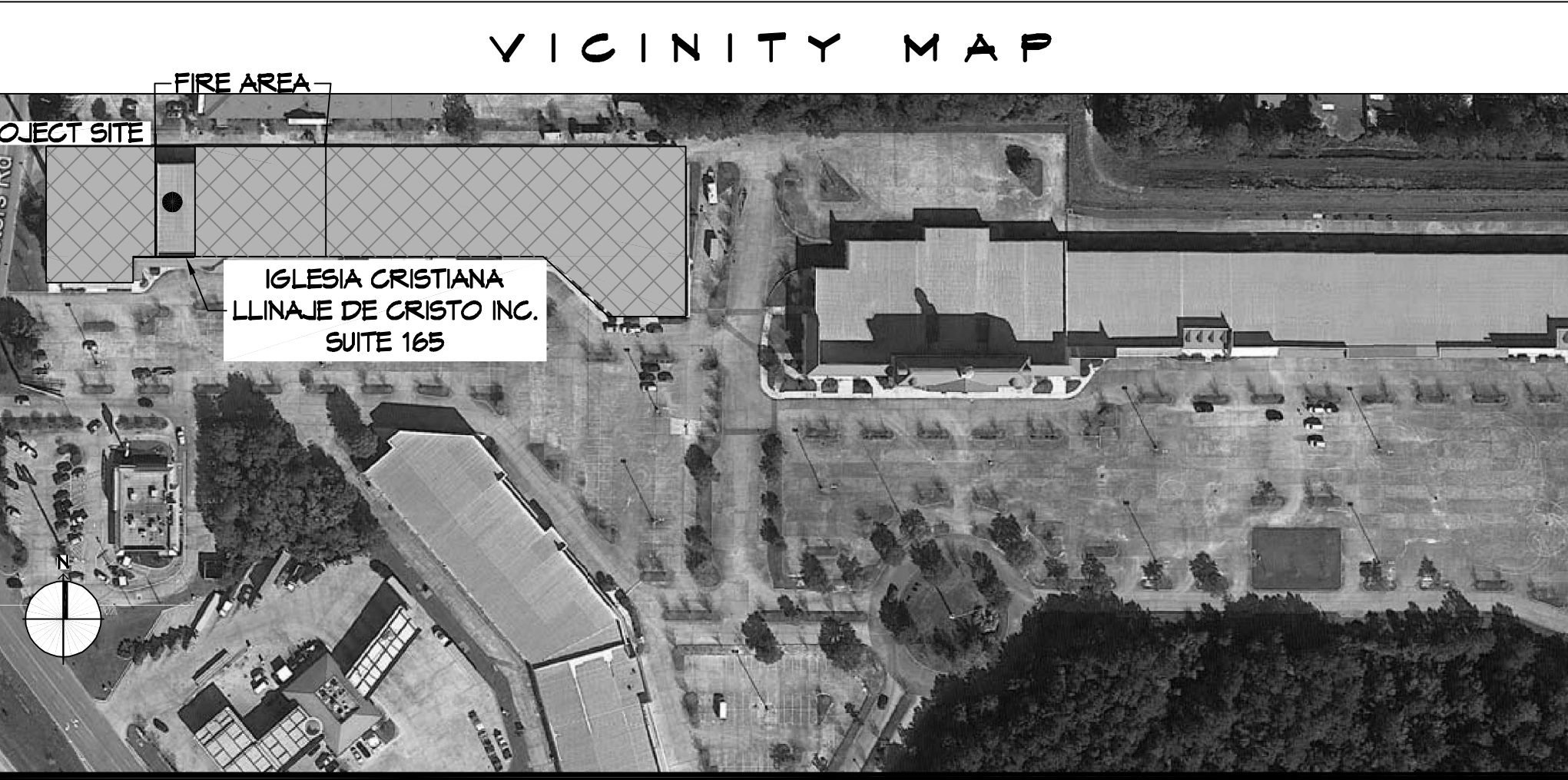


**1 LIFE-SAFETY PLAN**  
SCALE: 1/8" = 1'-0"

**BUILDING INFORMATION:**  
TOTAL S.F. = 87,583 S.F.  
SPRINKLED = YES  
ALARMED = YES

**FIRE AREA INFORMATION:**  
2 HR CMU FIREWALL AREA = 18,000 S.F.

**SUITE INFORMATION:**  
TOTAL SUITE = 3,600 S.F.  
WORSHIP AREA = 2,079 S.F.  
NEITHER CLASSROOMS NOR MISCELLANEOUS ROOM WILL BE OCCUPIED WHILE WORSHIP SERVICE IS BEING HELD.



### SHEET INDEX

| SHEET # | SHEET TITLE                      |
|---------|----------------------------------|
| G101    | GENERAL INFORMATION SHEET        |
| C101    | SITE PLAN                        |
| A101    | FLOOR AND REFLECTED CEILING PLAN |
| PM101   | PLUMBING AND MECHANICAL PLAN     |
| E101    | POWER AND LIGHTING 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.

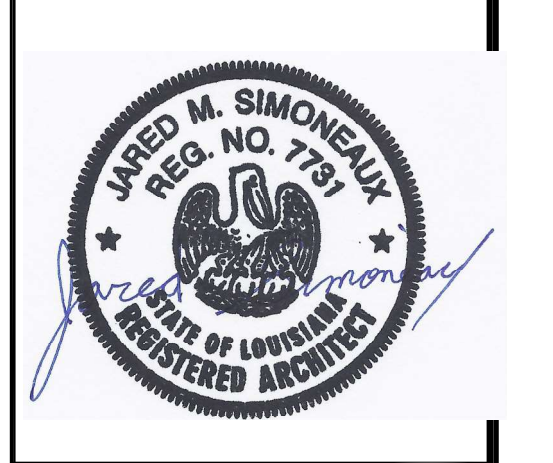
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Chief Engineer: Brian Mitchell, PE  
554 Old Spanish Trail  
Slidell, LA 70458

| # | DESCRIPTION | DATE |
|---|-------------|------|
|   |             |      |
|   |             |      |
|   |             |      |



## LESIA CRISTIANO DE CRISTO

1000 CARISO BLVD.  
BUILDING 1 UNIT 165  
SLIDELL, LA 70461

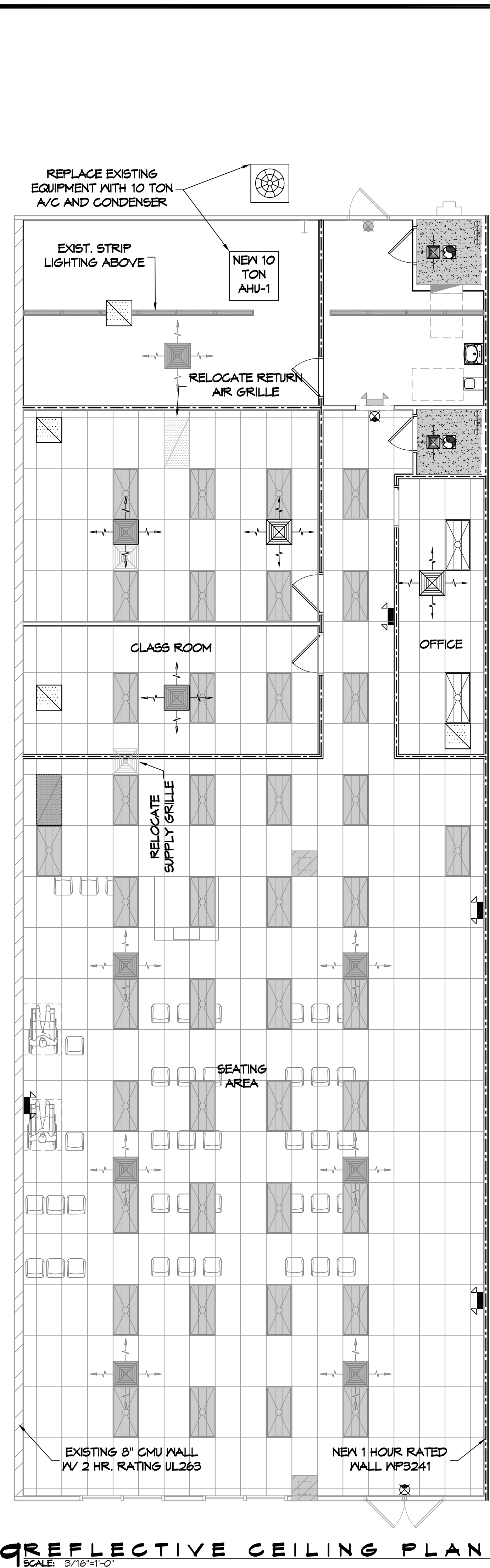
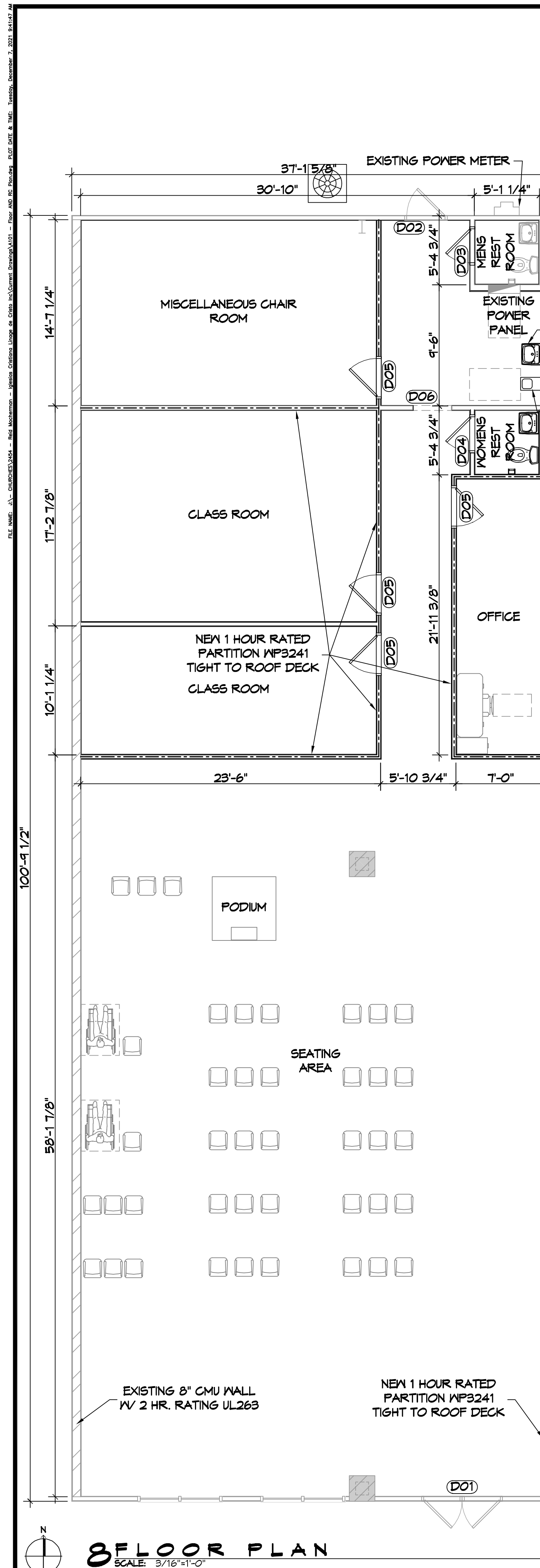
JOB No: 2454 DATE: 12/07/2021  
RJD CHECKED BY: JMS  
DRAWN BY: JMS

SHEET TITLE:  
GENERAL PROJECT,  
LIFE-SAFETY, AND  
BUILDING CODE  
INFORMATION

DRAWING NUMBER:  
**GOO1**

SHEET No: 1 of 5





**DOOR SCHEDULE**

| MK  | WIDTH    | HEIGHT | THK    | DOOR MAT | FRAME MAT | FR     | REMARKS                             |
|-----|----------|--------|--------|----------|-----------|--------|-------------------------------------|
| DO1 | (2)3'-0" | 7'-0"  | 1-3/4" | GLASS    | STEEL     | NR     | EXISTING DOUBLE DOOR WITH CLOSURE   |
| DO2 | 3'-0"    | 6'-8"  | 1-3/4" | STEEL    | STEEL     | NR     | EXISTING BACK DOOR                  |
| DO3 | 2'-8"    | 6'-8"  | 1-3/4" | WOOD     | STEEL     | NR     | EXISTING RESTROOM DOOR WITH CLOSURE |
| DO4 | 2'-8"    | 6'-8"  | 1-3/4" | WOOD     | STEEL     | NR     | NEW RESTROOM DOOR WITH CLOSURE      |
| DO5 | 3'-0"    | 6'-8"  | 1-3/4" | WOOD     | STEEL     | 20 MIN | NEW DOORS WITH CLOSURE              |
| DO6 | 3'-0"    | 6'-8"  | -      | -        | STEEL     | NR     | EXISTING CASSED OPENING             |

NOTE: DOORS IN A REQUIRED MEANS OF EGRESS SERVING ANY ASSEMBLY AREA HAVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS SHALL NOT BE EQUIPPED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.

**GENERAL PLAN NOTES**

- INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IBC 2015 SECTION 120.
  - CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND SMOKE DEVELOPED INDEX OF 0-450, EXCEPT THAT IN COMBUSTIBLE (WOOD FRAME) CONSTRUCTION.
  - FACING SHALL COMPLY WITH IBC 2015.
- ALL MATERIALS SHALL BE NEW AND UL LISTED.
- NO WORK SHALL BE CONCEALED UNTIL APPROVED BY LOCAL INSPECTORS.
- CONSTRUCTION SHALL COMPLY WITH ALL PARISH, STATE, AND LOCAL CODES.
- CONTRACTOR TO GUARANTEE WORK FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
- CONTRACTOR SHALL FURNISH WATER AND POWER FROM EXISTING SOURCES.
- EXTERIOR CAULKING SHALL BE THICKAL CAULK.
- PAINT SHALL BE SHERWIN WILLIAMS OR EQUIVALENT AND APPROPRIATE FOR THE SUBSTRATE TO WHICH IT IS APPLIED AS RECOMMENDED BY PAINT MANUFACTURER. ALL WORK TO RECEIVE THREE COATS (ONE PRIMER COAT, TWO FINISH COATS) UNLESS OTHERWISE RECOMMENDED BY PAINT MANUFACTURER. COLORS TO BE SELECTED BY OWNER.
- PROVIDE CLEANUP ON A REGULAR BASIS. NO TRASH SHALL BE STORED INSIDE BUILDING PREMISES.
- ALL BATT INSULATION SHALL HAVE A CLASS "A" (0-25) FLAME SPREAD IN COMPLIANCE WITH IBC 2015.
- USE 2x6 WOOD STUDS, OR TWO 2x4 WOOD STAGGERED STUDS WITH 2x6 SILL PLATE AT ALL WALLS WHERE 4" PIPE IS INDICATED. SEE PLUMBING RISER DIAGRAM FOR PIPE SIZE.
- PROVIDE GALVANIZED METAL PAN WITH DRAIN AT ALL WATER HEATERS.
- ALL FLOORING SHALL MEET OR EXCEED ADA GUIDELINES REQUIREMENTS FOR SLIP RESISTANCE.
- INTERIOR LOCKS ON DOORS IN MEANS OF EGRESS SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL KNOWLEDGE, OR SPECIAL DEVICE TO OPEN IN THE DIRECTION OF EGRESS. ALL DOORS SHALL HAVE LEVER TYPE HANDLES.
- INTERIOR WALLS AND CEILING SHALL HAVE A FLAME SPREAD OF 0-200 AND A SMOKE DEVELOPMENT RATINGS OF 0-450.
- ALL NEW WORK SHALL COMPLY WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES COVERING THE TYPE OF WORK BEING PERFORMED.
- PROVIDE PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 101, SEE APPENDIX 'E' OF NFPA 101 FOR DISTRIBUTION OF EXTINGUISHERS.
- ALL FIRE WALLS SHALL EXTEND TIGHT TO ROOF DECK AND BE SEALED WITH AN APPROVED FIRE CAULK.
- ALL ELECTRICAL, MECHANICAL, AND PLUMBING MATERIALS PENETRATING FIRE WALLS 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.)
- SERVICE COUNTERS SHALL HAVE AN ACCESSIBLE WRITING SURFACE IN COMPLIANCE WITH ADAAG ACCESSIBILITY GUIDELINES 2010, SECTION 902.3.

**LIGHTING LEGEND**

- EXISTING CEILING MOUNTED EXIT LIGHT
- NEW CEILING MOUNTED EXIT LIGHT
- EXISTING EMERGENCY LIGHT
- NEW EMERGENCY LIGHT
- EXISTING 2X4 LIGHT FIXTURE
- NEW 2X4 LIGHT FIXTURE
- NEW 6" RECESSED LIGHT FIXTURE
- EXISTING 6" FLUORESCENT LIGHT FIXTURE

NOTE: REUSE EXISTING LIGHTS. REPLACE MISSING OR DAMAGED LIGHTS

**MECHANICAL LEGEND**

- EXISTING SUPPLY AIR GRILLE
- NEW SUPPLY AIR GRILLE
- EXISTING RETURN AIR GRILLE
- NEW RETURN AIR GRILLE
- NEW EXHAUST FAN

NOTE: REUSE EXISTING DUCTS. REPLACE MISSING OR DAMAGED EQUIPMENT

**CEILING LEGEND**

- EXISTING 2X4 SUSPENDED CEILING GRID
- NEW SHEET ROCK

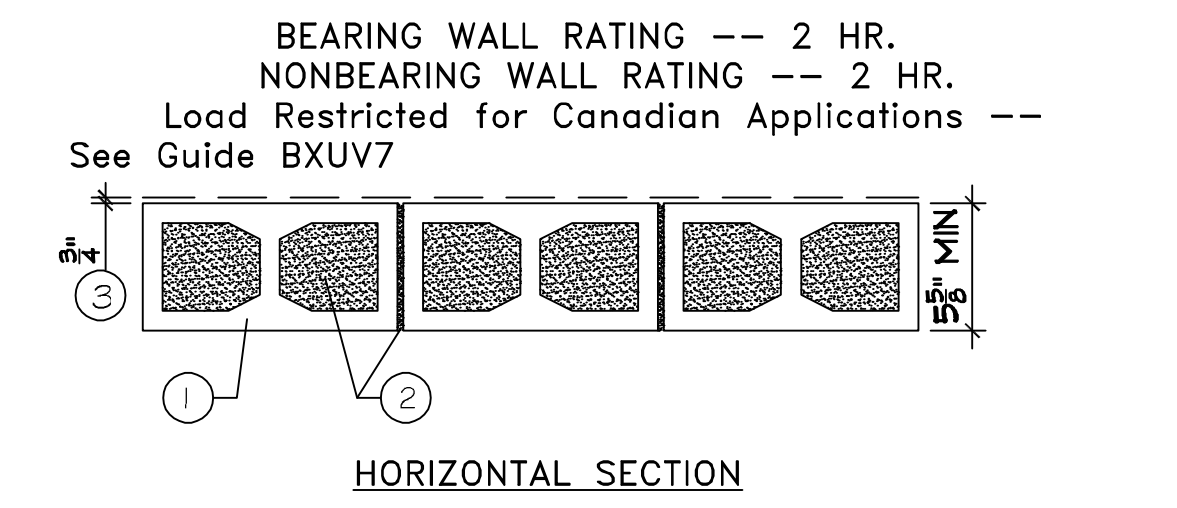
NOTE: REUSE EXISTING CEILING GRID. REPLACE MISSING OR DAMAGED TILES

**WALLS AND INTERIOR PARTITIONS, WOOD FRAMED**

| GA FILE NO. WP 3241  | PROPRIETARY* | 1 HOUR FIRE   | 50 to 54 STC SOUND |
|--|--------------|---|--------------------|
| GYPSUM WALLBOARD, RESILIENT CHANNELS, MINERAL FIBER INSULATION, WOOD STUDS<br>Resilient channels 24" o.c. attached at right angles to ONE SIDE of 2 x 4 wood studs 16" or 24" o.c. with 1 1/4" Type S drywall screws. One layer 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied parallel to channels with 1" Type S drywall screws 12" o.c. End joints backblocked with resilient channels. 3" mineral fiber insulation, 2.0 or 2.3 pcf, in stud space.<br>OPPOSITE SIDE: One layer 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to studs with 1 1/4" Type W drywall screws 12" o.c. Vertical joints staggered 48" on opposite sides. Sound tested with studs 16" o.c. and open face of mineral fiber insulation blankets toward resilient channel-side of stud space. (LOAD-BEARING) |              |   |                    |
| PROPRIETARY GYPSUM BOARD<br>American Gypsum Company LLC - 5/8" FireBloc® Type C<br>CertainTeed Gypsum Inc. - 5/8" ProRoc® Type C Gypsum Panels<br>CertainTeed Gypsum Canada Inc. - 5/8" ProRoc® Type C Gypsum Panels<br>Georgia-Pacific Gypsum LLC - 5/8" ToughRock® Fireguard C™<br>Lafarge North America Inc. - 5/8" Firecheck® Type C<br>National Gypsum Company - 5/8" Gold Bond® Brand FIRE-SHIELD C™<br>Gypsum Board   |              | Thickness: 5/8"<br>Approx. Weight: 7 psf<br>Fire Test: Based on UL R3680-7, 11-12-87; UL R2717-61, 8-18-87; UL Design U311<br>Sound Test: Estimated |                    |
| PABCO Gypsum - 5/8" FLAME CURB® Super C™<br>Temple-Inland - 5/8" TG-C  |              |   |                    |

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

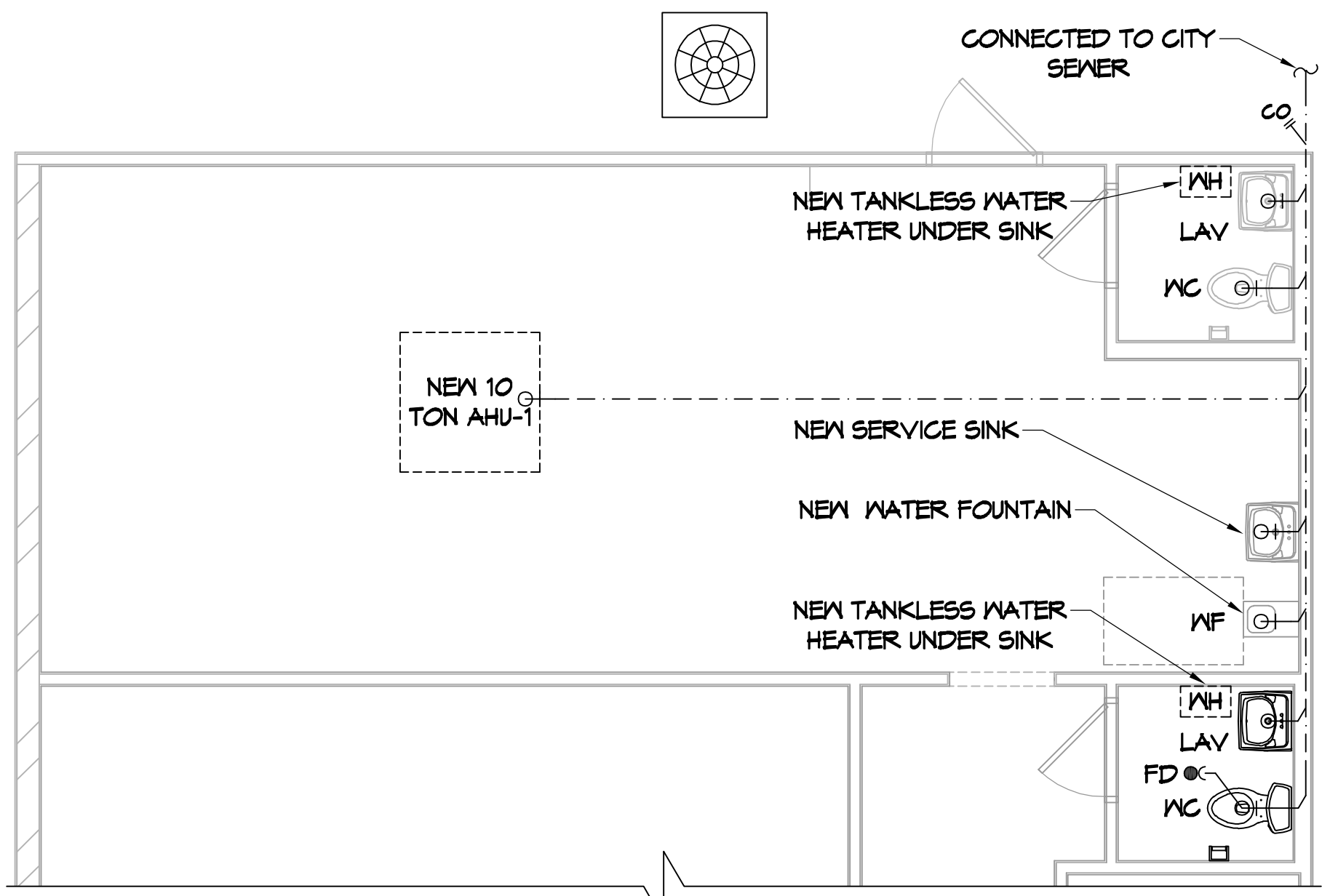


- Concrete Blocks -- Nominal 6 by 8 by 16 in. hollow or solid. Classification D-2 (2 hr). ANCHOR CONCRETE PRODUCTS INC GAGNE & SON CONCRETE BLOCK INC  
 Allowable compressive stress of 57% of max allowable compressive stress in accordance with the empirical design method.  
 OLDCASTLE APG NE DBA ARTHUR WHITCOMB WESTBROOK CONCRETE BLOCK CO INC  
 Allowable compressive stress of 75.6% of max allowable compressive stress in accordance with the empirical design method.
  - Mortar -- Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
  - Portland Cement Stucco or Gypsum Plaster -- Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).
  - Foamed Plastic -- (Optional-Not Shown) -- 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1). THE DOW CHEMICAL CO -- Type Thermax
- \*Bearing the UL Classification Mark  
 Last Updated on 2004-03-17

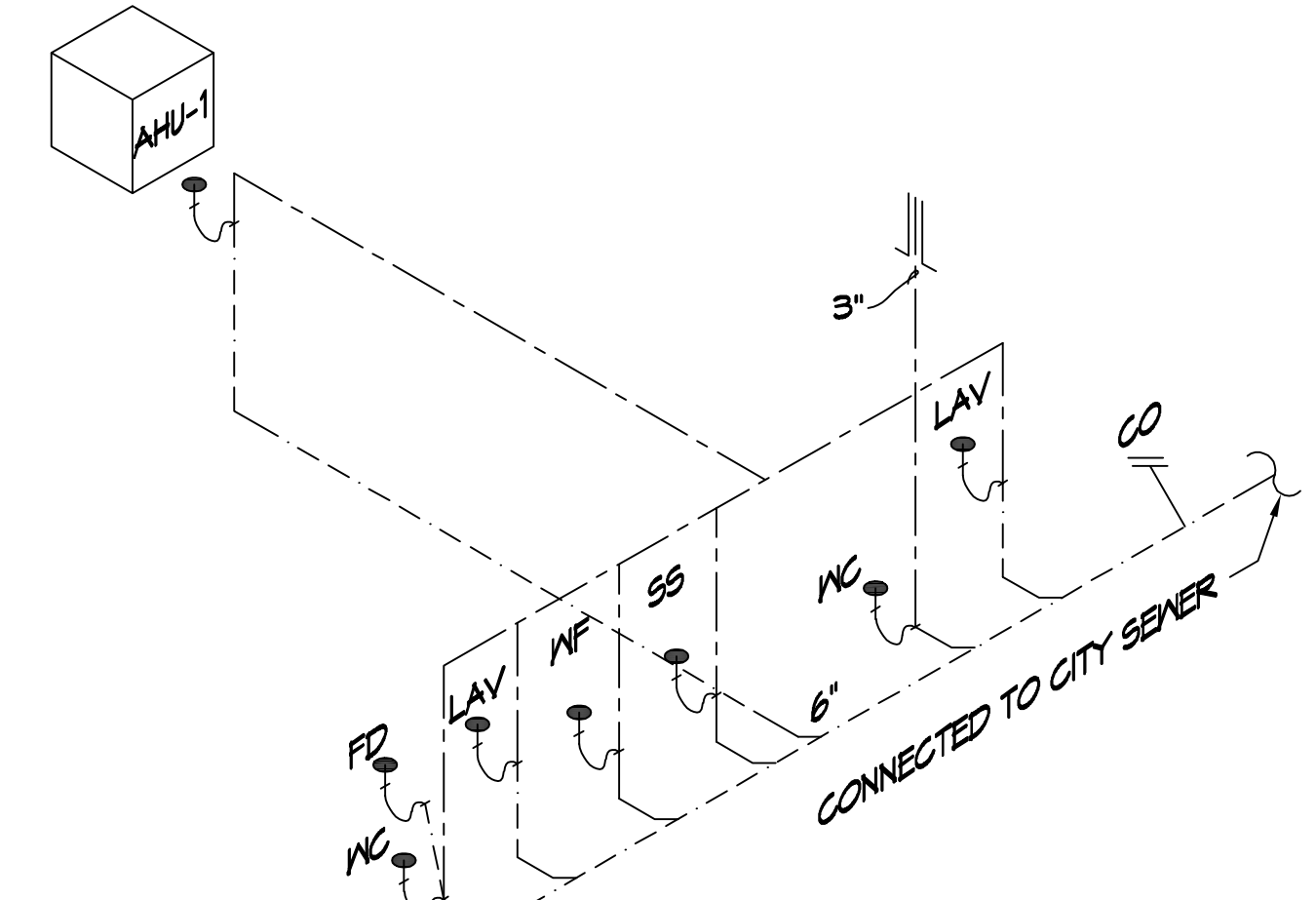
LESIA CRISTIANA  
 S L N C .  
 1000 CARIBOU BLVD.,  
 BUILDING 1 UNIT 169  
 SLIDELL, LA 70461  
 JOB NO: 2454 DATE: 12/07/2021  
 DRAWN BY: reid rocheman  
 CHECKED BY: JAG  
 SHEET TITLE: FLOOR AND REFLECTED CEILING PLAN  
 DRAWING NUMBER: A101  
 SHEET No: 3 of 5

### PLUMBING LEGEND

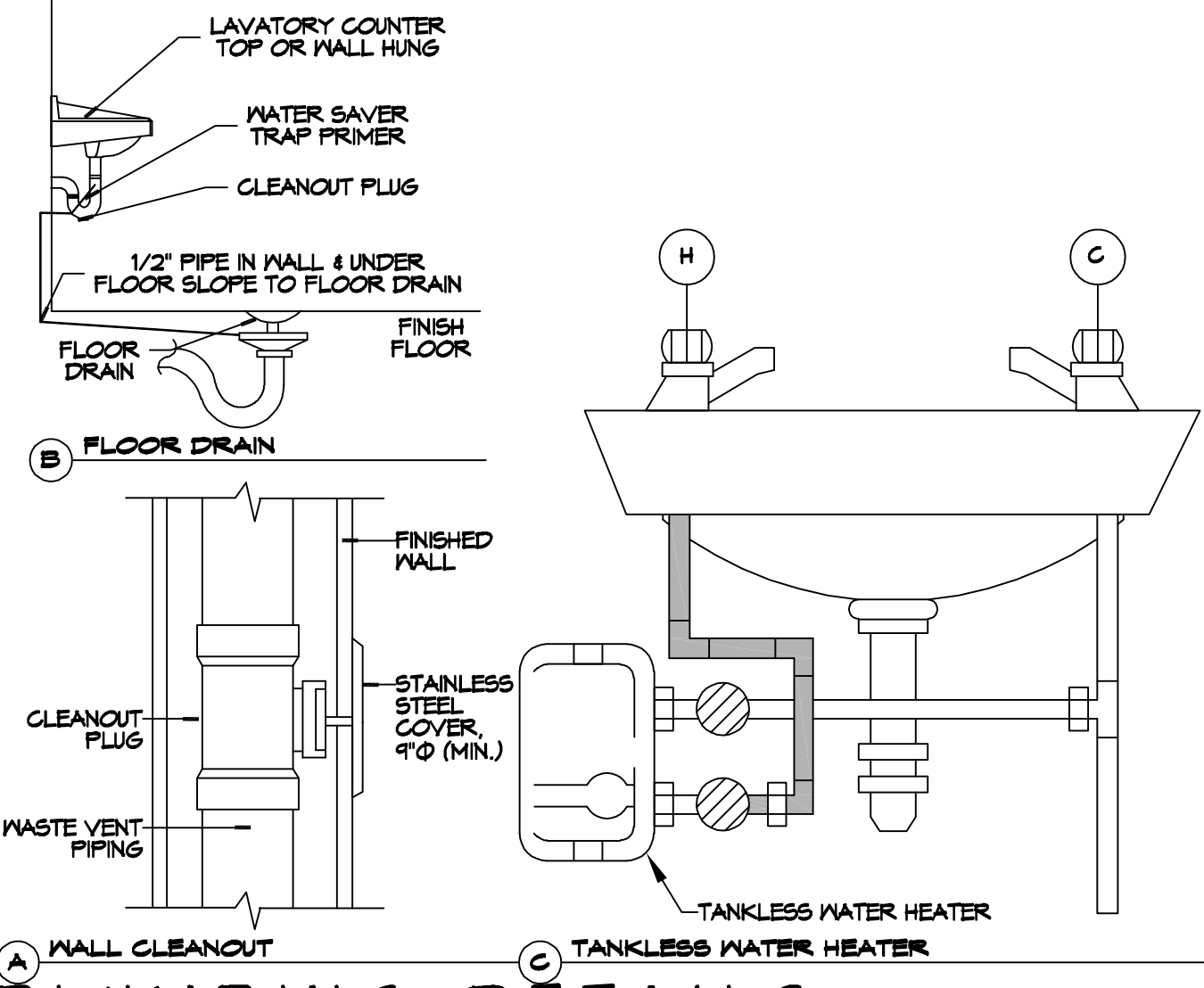
- LAV LAVATORY
- MC WATER CLOSET
- VENT PIPE
- ⊕ P-TRAP
- FD FLOOR DRAIN
- MH WATER HEATER
- MF WATER FOUNTAIN
- SANITARY SEWER
- CO WALL CLEAN OUT



**10 PARTIAL PLUMBING PLAN**  
SCALE: 1/4"=1'-0"



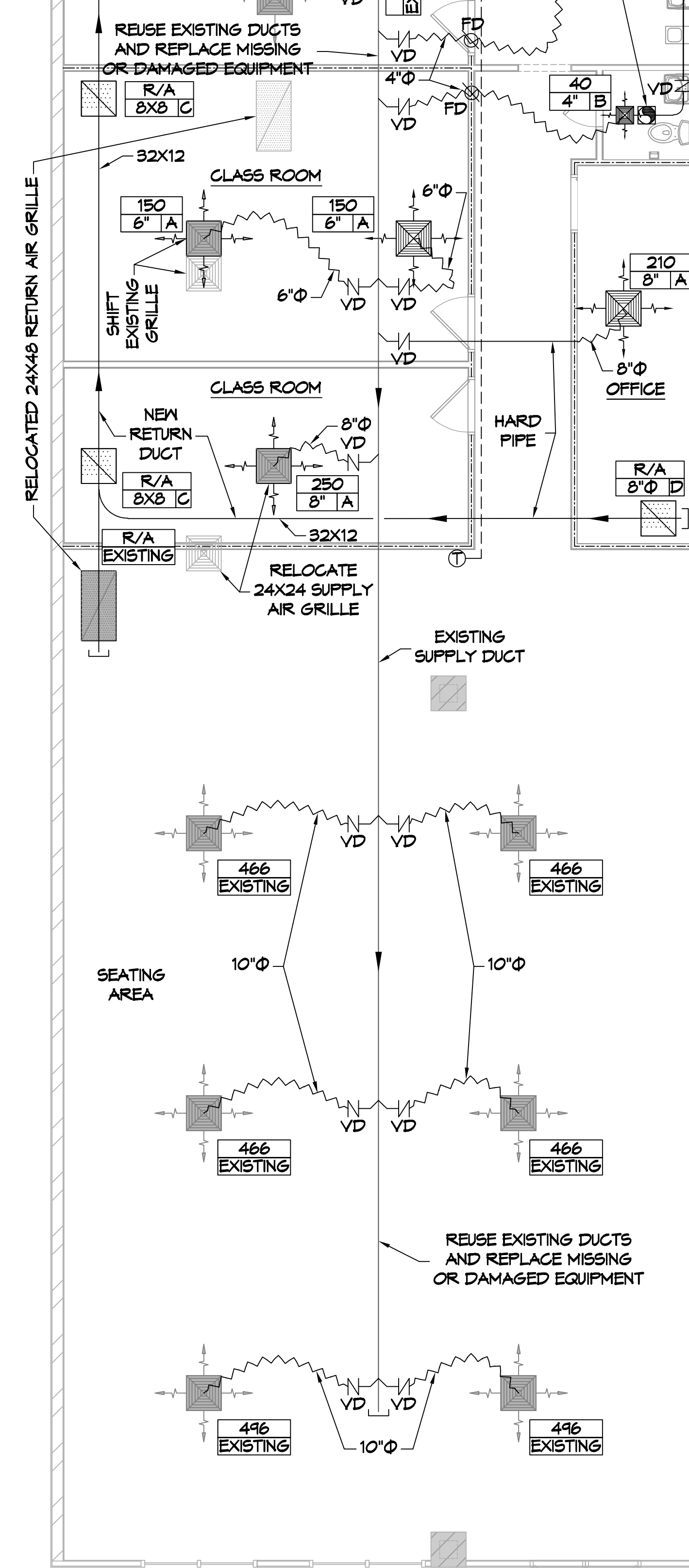
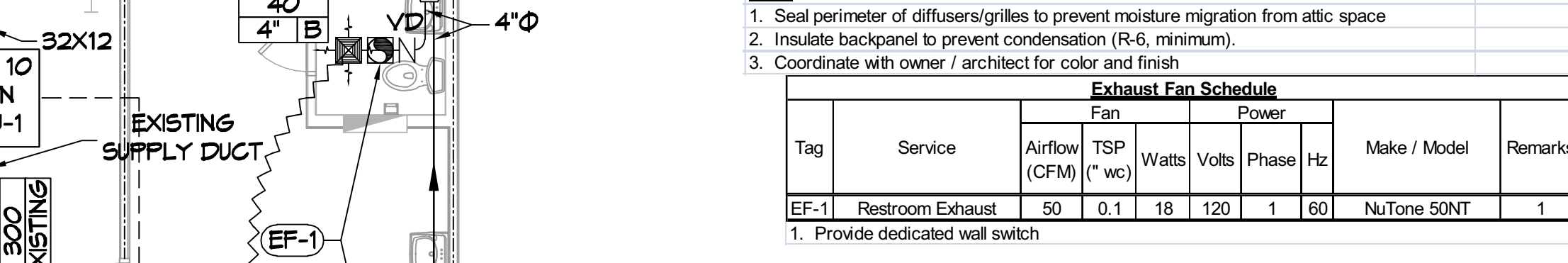
**11 PLUMBING RISER DIAGRAM**  
SCALE: N.T.S.



**12 PLUMBING DETAILS**  
SCALE: N.T.S.

| A/C SCHEDULE |                 |              |           |        |             |       |       |         |            |
|--------------|-----------------|--------------|-----------|--------|-------------|-------|-------|---------|------------|
| AIR HANDLER  |                 |              |           |        | HEAT PUMP   |       |       |         |            |
| TAG          | TRANE MODEL NO. | NOMINAL TONS | TOTAL CFM | OA CFM | COOLING     | Motor | ESP   | POWER   | REMARKS    |
|              |                 |              |           |        | TMBH   SMBH | HP    | (\"/> |         |            |
| AHU-1        | TWE12043A       | 10           | 4000      | 830    | 127   99    | 2     | 0.4   | 230   3 | 1, 2, 3, 4 |

| DIFFUSER SCHEDULE |            |           |   |
|-------------------|------------|-----------|---|
| TAG               | SERVICE    | NECK SIZE | DESCRIPTION   |
| A                 | Supply Air | Ref. Plan | 24" x 24" Perforated Ceiling Diffuser, Metalaire 7500 |
| B                 | Supply Air | Tef. Plan | 12" x 12" Perforated Ceiling Diffuser, Metalaire 7500 |
| C                 | Return Air | Ref. Plan | 24" x 24" Perforated Return, Metalaire 7500R          |

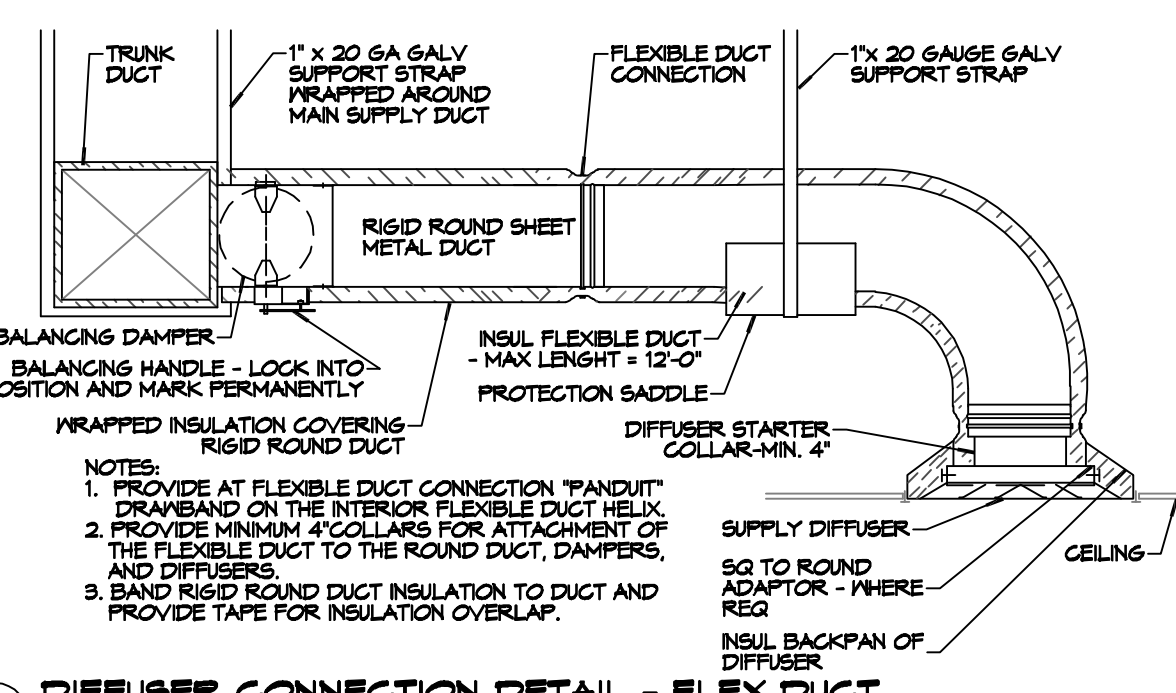
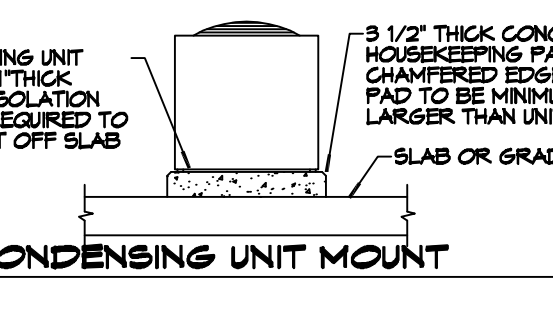
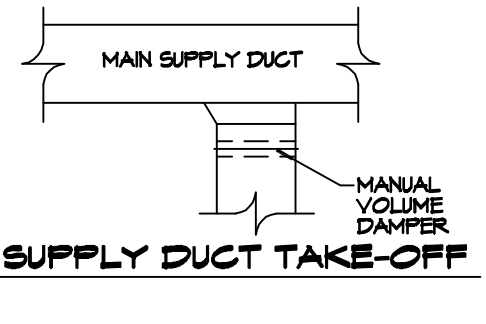
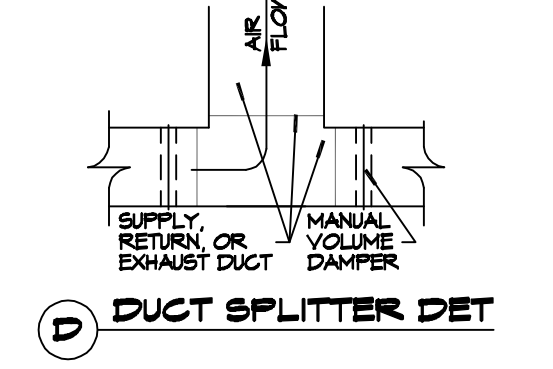
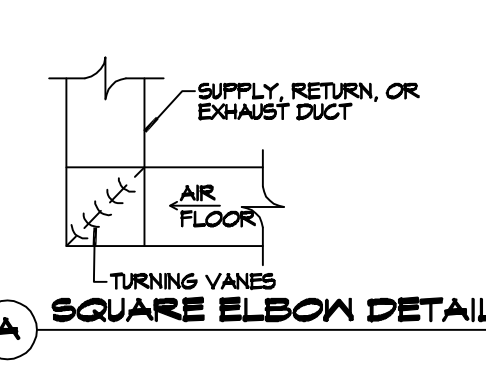
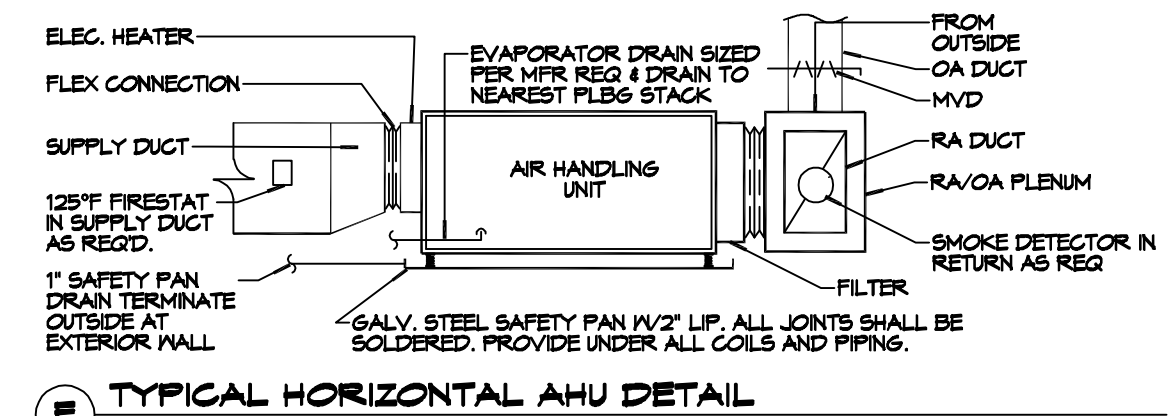


**12 MECHANICAL PLAN**  
SCALE: 3/16"=1'-0"

| Exhaust Fan Schedule |                  |               |           |    |     |   |
|----------------------|------------------|---------------|-----------|----|-----|---|
| Tag                  | Service          | Airflow (CFM) | TSP (\"/> |    |     |   |
| EF-1                 | Restroom Exhaust | 50            | 0.1       | 18 | 120 | 1 |

### MECHANICAL LEGEND

- NEW SUPPLY AIR GRILLE
- NEW RETURN AIR GRILLE
- DAMPER CONTROL (V.D)
- NEW EXHAUST FAN
- CFM MARK SIZE
- FIRE DAMPER
- EXISTING SUPPLY AIR GRILLE
- EXISTING RETURN AIR GRILLE
- NEW THERMOSTAT
- ROUND FLEX DUCT, MAX. LENGTH 12'-0", MIN. R-6. DUCT SIZE AS FOLLOWS:  
250 CFM TO 350 CFM = 9"  
200 CFM TO 250 CFM = 8"  
150 CFM TO 200 CFM = 7"  
100 CFM TO 150 CFM = 6"



**F DIFFUSER CONNECTION DETAIL - FLEX DUCT**  
SCALE: N.T.S.

### GENERAL PLUMBING NOTES

- PLUMBING LINES SHOWN ARE DRAWN DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS.
- PROVIDE ALL LABOR, MATERIAL, TRANSPORTATION, SUPERVISION, CLEAN-UP, SERVICES, AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME, CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
- ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL CITY, PARISH, STATE AND NATIONAL GOVERNING CODES, MUST MEET LA STATE PLUMBING CODE 2013 REQUIREMENTS.
- CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
- CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
- SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4\"/>

### GENERAL HVAC NOTES

- CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL WRAPPED WITH FIBROUS GLASS DUCT WRAP WITH FIBER GLASS VAPOR BARRIER, MIN R-6. INSTALLED PER SMACNA STANDARDS. DUCT WORK IMMEDIATELY DOWNSTREAM FROM RTU SHALL BE LINED FOR SOUND ATTENUATION.
- EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
- ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
- DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
- IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
- PROVIDE UL LISTED 125 F\"/>

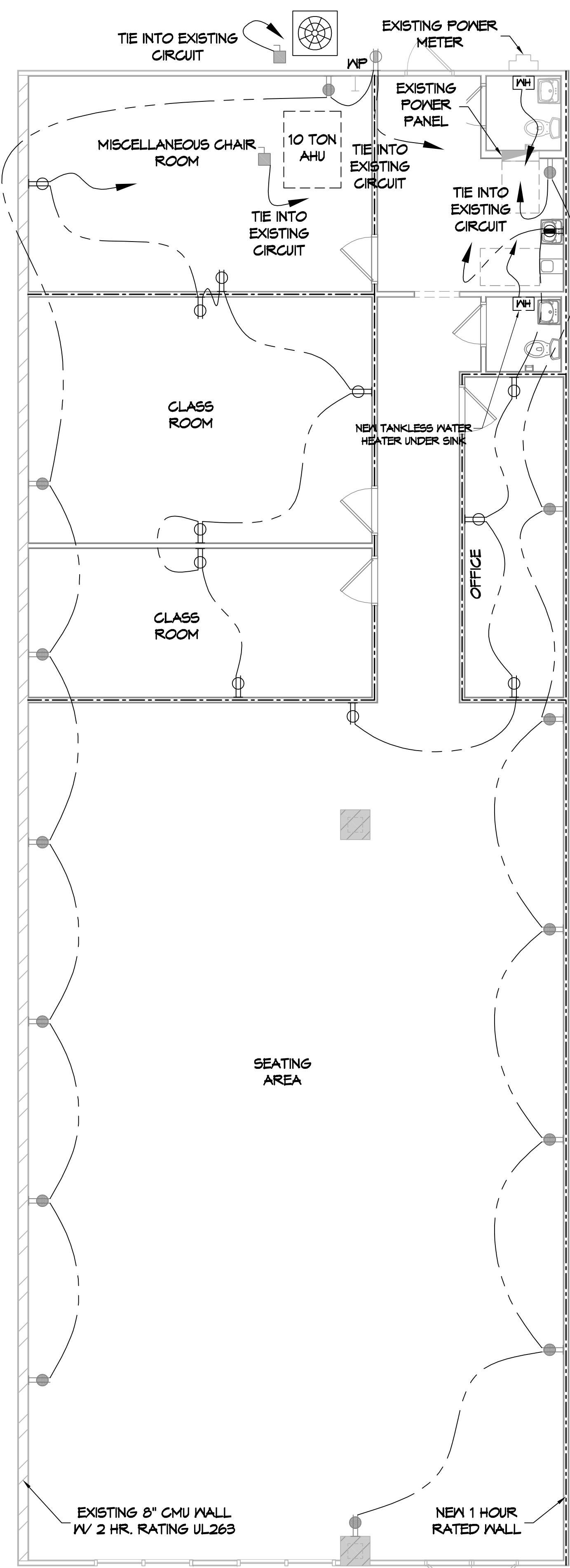
NOTE: REUSE EXISTING DUCTS. REPLACE MISSING OR DAMAGED EQUIPMENT. VERIFY ALL EXISTING COMPONENTS

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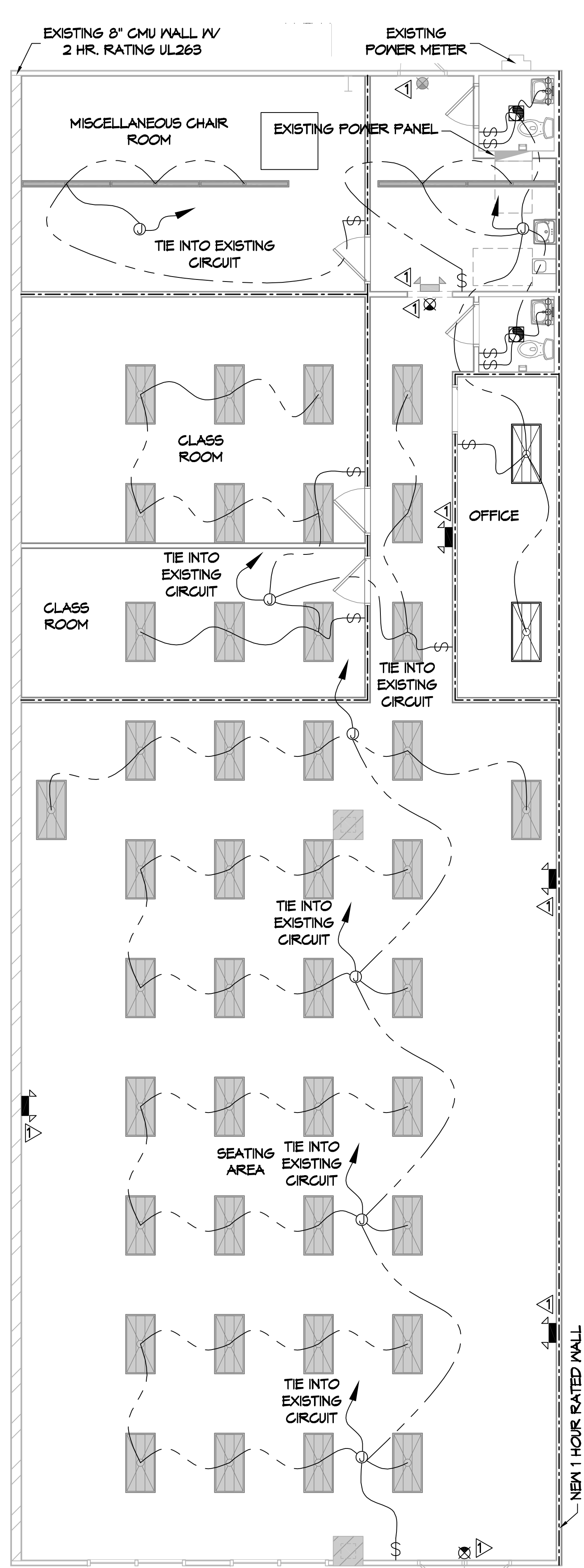
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**LESIA CRISTIANO LESIA DE CRISTIANO**  
1000 CARLOS BLVD., SUITE 100  
SLIDELL, LA 70681  
JOB No: 2454  
DATE: 12/07/2021  
DRAWN BY: TMT  
CHECKED BY: TMT  
SHEET TITLE: PLUMBING AND MECHANICAL PLAN  
DRAWING NUMBER: PM101  
SHEET No: 4 of 5



**13 POWER PLAN**  
SCALE: 3/16"=1'-0"



**14 LIGHTING PLAN**  
SCALE: 3/16"=1'-0"



**KEY PLAN**  
SCALE: 1/128"=1'-0"

**LIGHTING LEGEND**

- EXISTING CEILING MOUNTED EXIT LIGHT
- NEW CEILING MOUNTED EXIT LIGHT
- EXISTING EMERGENCY LIGHT
- NEW EMERGENCY LIGHT
- EXISTING 2X4 LIGHT FIXTURE
- RELOCATED 2X4 LIGHT FIXTURE
- EXISTING 6' FLUORESCENT LIGHT FIXTURE
- TYPICAL 120V LIGHT SWITCH
- EXHAUST VENT (SEE MECHANICAL)
- WALL-MOUNTED VANITY LIGHT FIXTURE (100W)
- JUNCTION BOX

NOTE: REUSE EXISTING LIGHTS. REPLACE MISSING OR DAMAGED LIGHTS

**POWER LEGEND**

- NEW 120V DUPLEX RECEPTACLE
- EXISTING DUPLEX RECEPTACLE
- NEW GFCI DUPLEX RECEPTACLE
- EXISTING WEATHER PROOF GFCI DUPLEX RECEPTACLE
- EXISTING DISCONNECT
- HOME RUN

NOTE: REUSE EXISTING OUTLETS. REPLACE MISSING OR DAMAGED COMPONENTS

**KEY NOTES**

- PROVIDE CONNECTION TO UN-SWITCHED HOT OF LIGHTING CIRCUIT AND SHALL HAVE 90 MINUTE EMERGENCY BATTERY BACKUP.

**GENERAL LIGHTING NOTES**

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES, RULES, REGULATIONS, AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND/OR FIXTURES.
3. WHEN SPECIFIC LIGHT FIXTURE HAS BEEN SPECIFIED IN THE FIXTURE SCHEDULE, ELECTRICAL SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE ALL PARTS AND HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
4. ALL CONDUCTORS SHALL BE #12 AWG UNLESS NOTED OTHERWISE.
5. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
6. ALL CONDUCTORS SHALL BE COPPER.
7. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
8. MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
9. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANGED BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANGED BOXES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
10. EACH DIMMER SWITCH SHALL HAVE A WATTING RATING 25% HIGHER THAN THE TOTAL WATTAGE OF ALL LIGHTS TO BE CONTROLLED BY THE DIMMER. DIMMER SIZES 600, 1000, 1500, AND 2000 WATTS. LUTRON NOVA T-STAR. WHERE SWITCHES ARE GANGED WITH DIMMERS, THE SWITCHES SHALL ALSO BE LUTRON NOVA T-STAR. FLUORESCENT AND LOW VOLTAGE DIMMERS HAL LBE LUTRON NOVA T-STAR.
11. WHERE FLUORESCENT FIXTURES ARE SHOWN TO BE DIMMED, THE FIXTURES SHALL HAVE DIMMING TYPE BALLASTS WHICH ARE COMPATIBLE WITH THE SPECIFIED DIMMERS.
12. WHERE LED FIXTURES/LAMPS ARE SHOWN TO BE DIMMED, THE DIMMER SHALL BE COMPATIBLE WITH THE FIXTURE/LAMP SPECIFIED OR PROVIDED.
13. ALL EMERGENCY LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON AND SHALL BURN CONTINUOUSLY.
14. ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.136.

**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. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, 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.
9. 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.
10. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 3/4" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, 3/4" RIGID ALUMINUM FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC, BURIED A MINIMUM OF 18" FOR NON-VEHICULAR TRAFFIC AREAS. FOR CONDUITS BELOW GRADE, EMT SHALL BE USED WITH METAL STUD CONSTRUCTION AND ALL ASSEMBLY OCCUPANCIES. 6 FT LENGTH MC CABLE IS ALLOWED ABOVE CEILING. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
11. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
12. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF. ALL RECEPTACLES IN A KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:200-63, NFPA 70:20-23, 250-11 & 250-12.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-230.
16. FUSES SHALL BE ITT 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 MANUFACTURERS RECOMMENDATIONS.

NOTE: VERIFY ALL EXISTING OUTLETS AND FIXTURES

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**LESIA CRISTIANA LINAJE DE CRISTO INC.**  
1000 CARIBOU BLVD., BUILDING 1 UNIT 165, SLIDELL, LA 70461  
JOB NO: 2454 DATE: 12/07/2021  
DRAWN BY: RLD CHECKED BY: CKD

SHEET TITLE: LIGHTING AND POWER PLAN  
DRAWING NUMBER: **E101**  
SHEET No: 5 of 5