

| LIFE-SAFETY INFORMATION | |
|--|-------------------------------------|
| APPLICABLE CODES | |
| NFPA 101 LIFE-SAFETY CODE 2015 | |
| OCCUPANCY TYPE(S) AND CHAPTER(S) | |
| ASSEMBLY A-2 & A-3 (CHAPTER 12) | |
| MIXED OCCUPANCY (REFERENCE CHAPTER 6) | |
| OCCUPANT LOAD FACTOR (REFERENCE TABLE 7.3.1.2) | |
| ASSEMBLY A-3 (WITHOUT FIXED SEATS) | 195 + 2 WHEEL CHAIR = 197 OCCUPANTS |
| ASSEMBLY A-2 100 SF PER PERSON | 7 OCCUPANTS |
| 144 OCCUPANTS | |
| 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'-8" |
| 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 ENTRANCE MUST BE SIGNED TO ACCOMMODATE 1/2 OCCUPANT LOAD OF BUILDING | |
| EXTINGUISHMENT REQUIREMENTS NOT SPRINKLERED (NOT REQUIRED) | |
| DETECTION, ALARM, AND COMMUNICATION SYSTEMS NO | |
| ALLOWABLE HEIGHT AND BUILDING AREA PER IBC EQUIVALENT CONSTRUCTION TYPE | |

| BUILDING CODE INFORMATION | |
|---|--|
| APPLICABLE CODES | |
| IBC 2021 | |
| ASSEMBLY GROUP A2 & A3 (IBC 2021 CHAPTER 9) | |
| OCCUPANT LOAD CALCULATIONS (TABLE 1004.1.2) | |
| ASSEMBLY 3 (WITHOUT FIXED SEATS) + 1 PERSON / 1 FT ² + 2 WHEELCHAIR | 1 PERSON / 1 FT ² = 195 + 2 = 197 OCCUPANTS |
| ASSEMBLY 2 | 100 SF PER PERSON = 7 OCCUPANTS |
| TOTAL OCCUPANTS | 144 OCCUPANTS |
| CONSTRUCTION TYPE(S) VB (SECTION 602) | |
| ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION | |
| MAXIMUM HEIGHT IN STOREYS (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 | 10,500 SF |
| BUILDING AREA IN SQUARE FEET | 7,840 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 ₅₀ = 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 |
| 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 |
| SNOW LOADS (IBC TABLE 1608): | |
| GROUND SNOW LOAD (IBC FIG 1608.2): | 5 PSF |

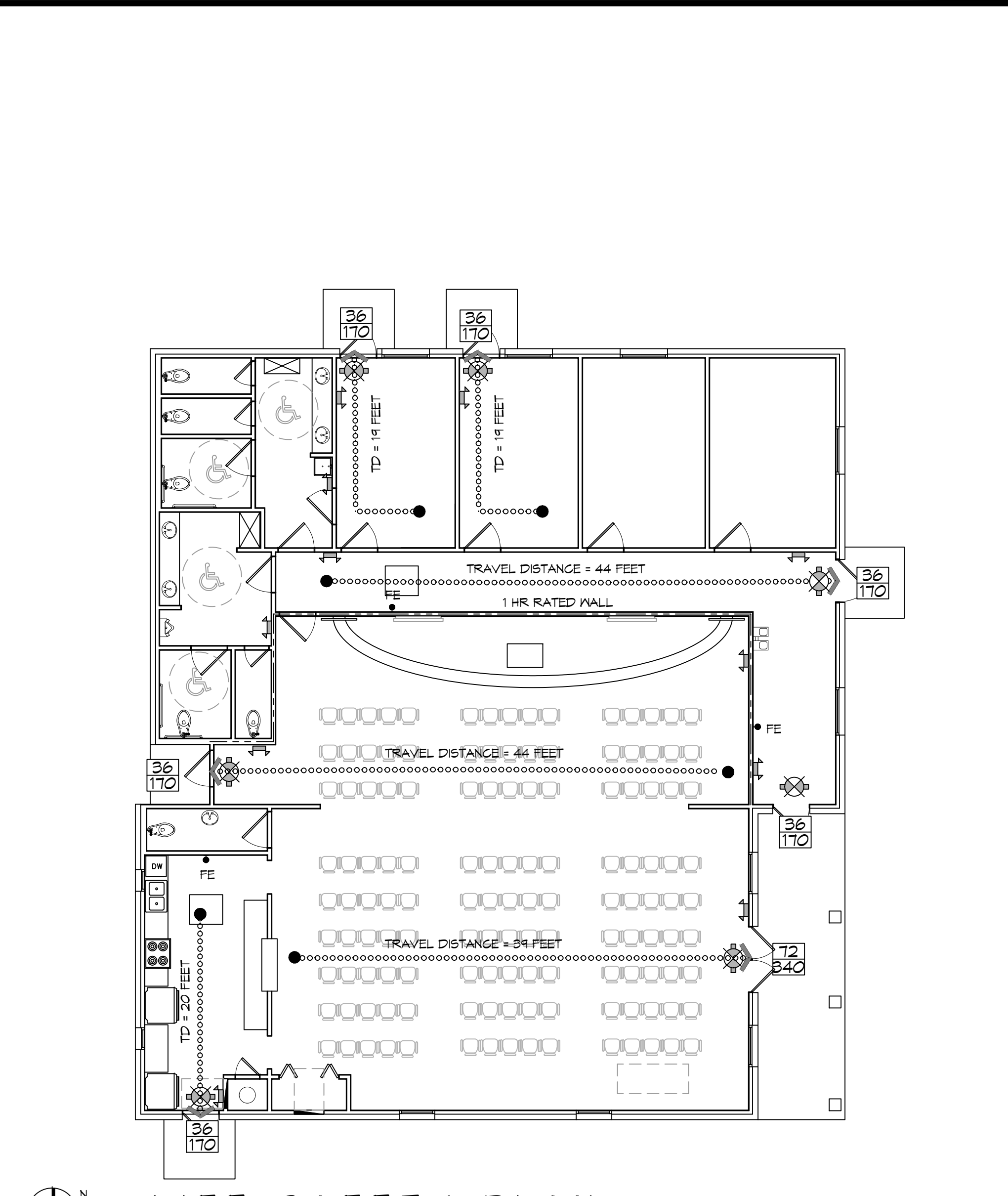
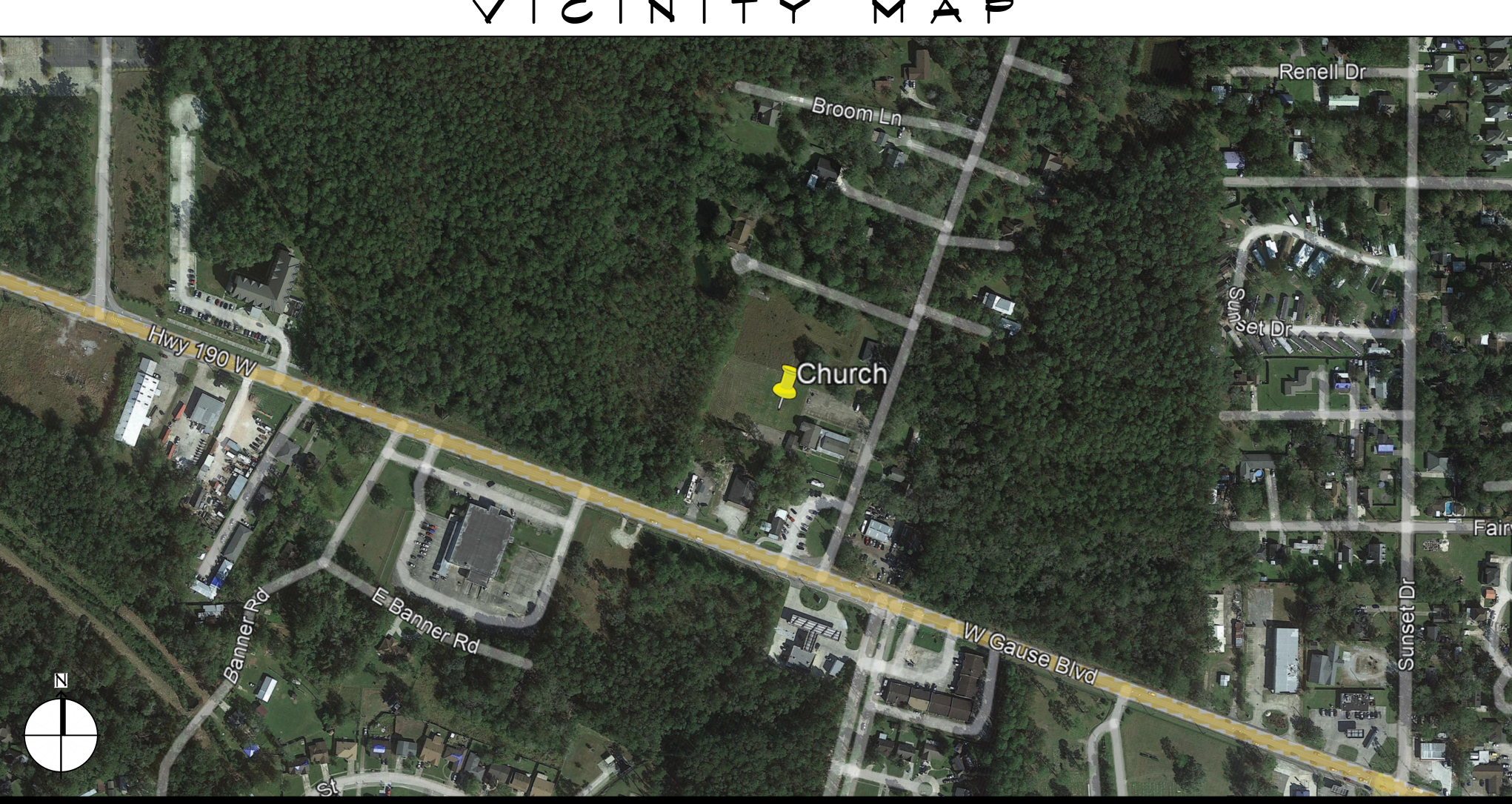
| FLOOD ZONE INFORMATION | |
|--|----------|
| BASED ON THE SURVEY OF THIS PROPERTY BY J.V. BURKES AND ASSOCIATES, INC. THIS PROPERTY IS NOT IN A SPECIAL FLOOD HAZARD AREA. F.I.R.M. COMMUNITY MAP NO 225205142 E; REVISED 4/21/1999 | |
| FLOOD ZONE: | B |
| BASE FLOOD ELEVATION | N/A NGVD |
| ELEVATIONS REFER TO NGVD 1929 DATUM | |

| PROJECT STATISTICS | |
|---|---------|
| SQUARE FOOTAGE | |
| EXIST. BUILDING | 1416 SF |
| ADDITION | 2209 SF |
| TOTAL ENCLOSED SPACE | 3621 SF |
| PROJECT LOCATION: 59143 BADON ROAD PEARL RIVER, LA 70460 | |
| OWNER: PASTOR DAN CARR | |

DESIGN CRITERIA
THE CONSTRUCTION FOR SAID RESIDENCE, WHERE BASIC WIND SPEED IS 140 MILES PER HOUR, WIND EXPOSURE ZONE B, IS DESIGNED IN ACCORDANCE WITH: AMERICAN FOREST AND PAPER ASSOCIATION (AF&PA) WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (WFCM) 2001 EDITION AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2021 EDITION

C O M M U N I T Y
C H U R C H
M U L T I P U R P O S E
B U I L D I N G
S L I D E L L
L O U I S I A N A

| LIFE-SAFETY LEGEND | |
|--------------------|---------------------------------------|
| SYMBOL | DESCRIPTION |
| | EXITS |
| | DOOR FIRE RATING (MINUTES) |
| | DOOR WIDTH/EGRESS CAPACITY |
| | EXIT LIGHT |
| | FIRE EXTINGUISHER AND CABINET |
| | FIRE EXTINGUISHER W/ 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 |



| SHEET INDEX | |
|-------------|---|
| SHEET # | SHEET TITLE |
| 6001 | GENERAL PROJECT, LIFE-SAFETY AND CODE INFORMATION |
| 6002 | ACCESSIBILITY INFORMATION |
| C101 | SITE PLAN |
| C102 | EXISTING SITE DRAINAGE PLAN |
| C103 | SITE UTILITY PLAN/EROSION CONTROL |
| S101 | FOUNDATION PLAN |
| S102 | BLDG SECTION, CEILING JOIST AND ROOF PLAN |
| S103 | TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES |
| A101 | FLOOR PLAN |
| A102 | EXTERIOR ELEVATIONS |
| P101 | PLUMBING FLOOR PLAN |
| M101 | MECHANICAL FLOOR PLAN, DETAILS AND SCHEDULES |
| E101 | POWER PLAN |
| E102 | ELECTRICAL PANEL AND ONE LINE DIAGRAM |
| E103 | PANEL SCHEDULES AND ONE LINE DIAGRAM |

| GENERAL NOTES | |
|---------------|--|
| 1. | ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY. |
| 2. | CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW. |
| 3. | 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. |
| 4. | DO NOT SCALE DRAWINGS. CONSULT WITH THE ARCHITECT REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION. |
| 5. | TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES. |
| 6. | TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY. |
| 7. | THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT. |
| 8. | CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION. |
| 9. | 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. |
| 10. | 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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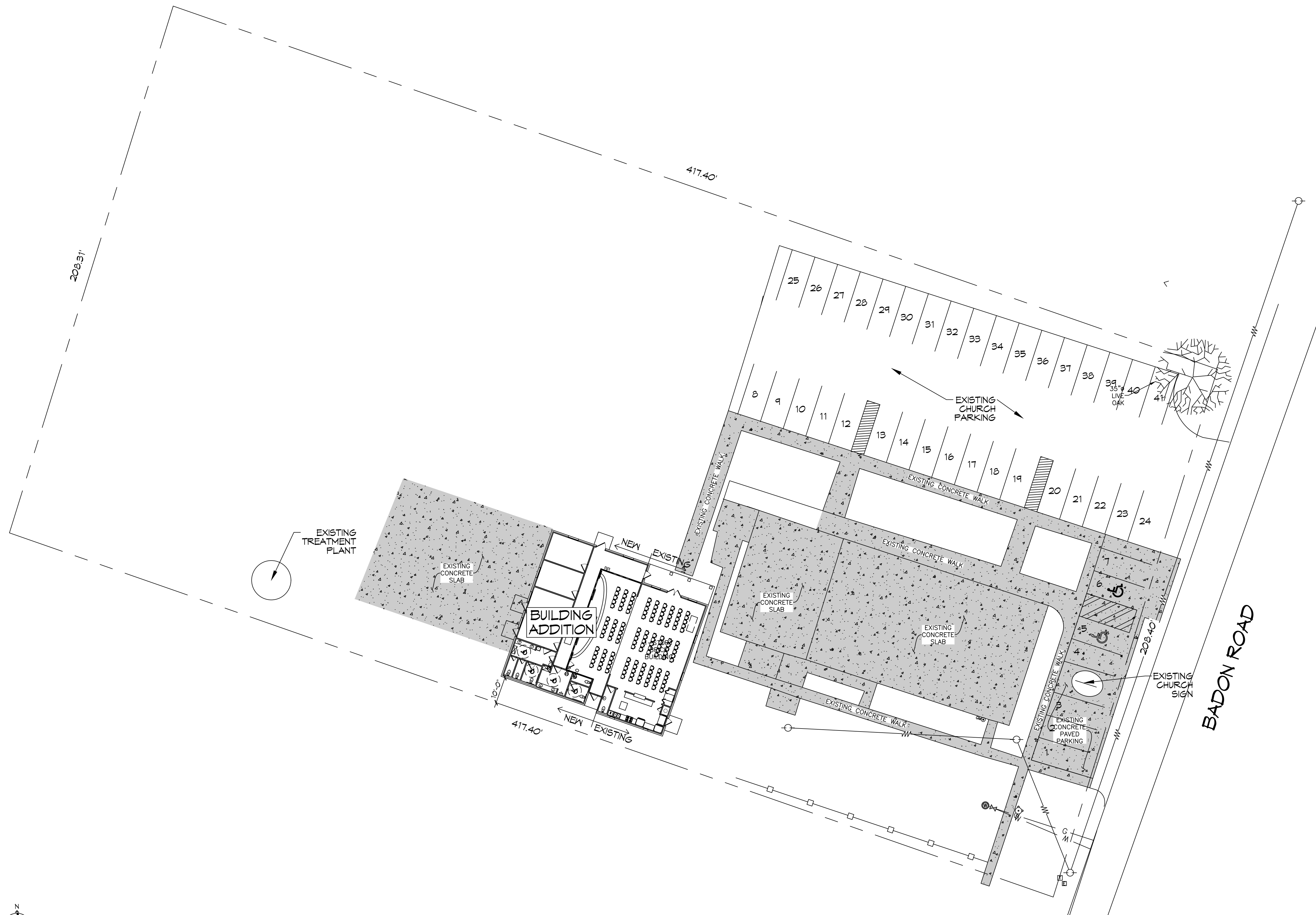
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| 59143 BADON RD SLIDELL, LA 70460 | JOB No: 2493 | DATE: 10/10/2023 | DRAWN BY: CKD | CHECKED BY: CKD |
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SHEET TITLE: GENERAL PROJECT, LIFE SAFETY AND CODE INFORMATION

DRAWING NUMBER: **GOO1**

SHEET No: 1 of 15

FILE NAME: A:_CHECKED\3443 - Community - Baptist Church - Slab\Drawings\Community\3443 - Site Plan.dwg PLOT DATE: 8/26/2025 10:03:31 AM



EXISTING SITE PLAN
SCALE: 1" = 20'-0"

| |
|---|
| PLANNING |
| LOT 4A ZONED HG-2 |
| FLOOD ZONE |
| ZONE "B" |
| BUILDING SQUARE FOOTAGE |
| EXISTING BUILDING 1418 SQ.FT. BUILDING ADDITION 2,209 SQ. F.T TOTAL BUILDING 3627 SQ. F.T |
| BUILDING ELEVATION |
| BASE FLOOD ELEVATION = N/A NEW FINISHED FLOOR ELEVATION = MATCH EXISTING HEIGHT |
| PARKING REQUIREMENTS |
| CHURCH = 3,627 SQ. FT. RELIGIOUS INSTITUTIONS, CHURCHES, TEMPLES, CHAPELS, ETC. 1 SPACE PER 4 OCCUPANTS @ MAX LOAD 135 SEATS / 4 = 34 PARKING SPACES REQUIRED 39 REGULAR PARKING SPACES PROVIDED 2 HANDICAP PARKING SPACES PROVIDED TOTAL PARKING SPACES PROVIDED 41 |
| FUTURE PLANNING |
| ANY ADDITION OR NEW BUILDING BEYOND THE INITIAL PHASE SHOWN ON THESE PLANS WILL REQUIRE FULL CONSTRUCTION DOCUMENTS FOR THE SITE TO BECOME COMPLIANT WITH CURRENT PLANNING AND LANDSCAPE REGULATIONS FOR STP. |
| DESIGN CRITERIA |
| THE CONSTRUCTION FOR SAID RESIDENCE, WHERE BASIC WIND SPEED IS 140 MILES PER HOUR, WIND EXPOSURE ZONE C, IS DESIGNED IN ACCORDANCE WITH: AMERICAN FOREST AND PAPER ASSOCIATION (AF&PA) WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (MFCM) 2001 EDITION AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2021 EDITION |

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| REVISIONS | DATE | DESCRIPTION |
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COMMUNITY CHURCH

54419 BADON RD
SLIDELL, LA 70460

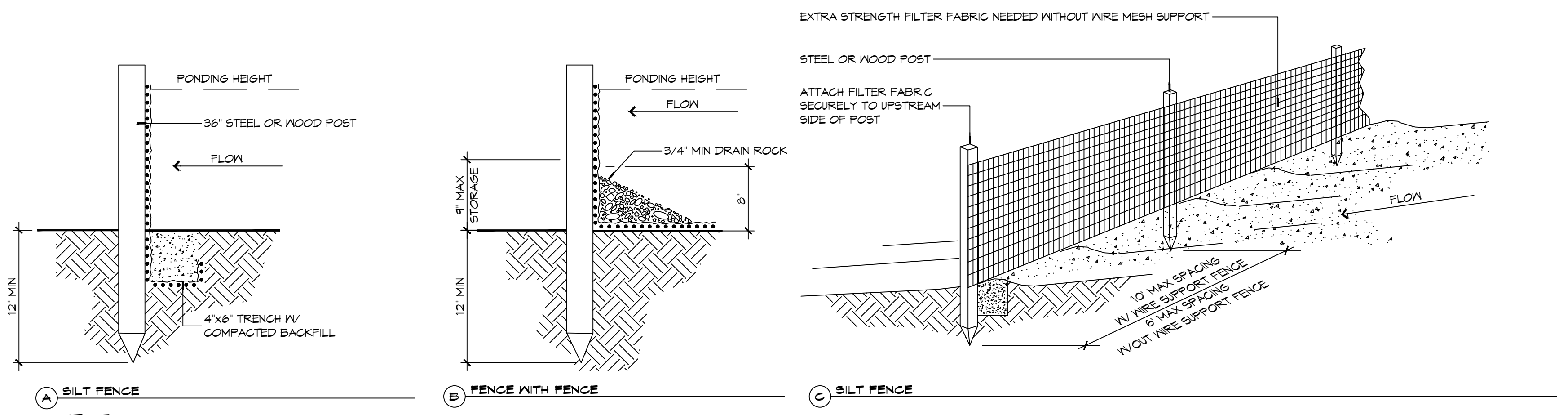
JOB No: 2483 DATE: 10/10/2025
DRAWN BY: BAK
CHECKED BY: CKD

SHEET TITLE:
SITE PLAN

DRAWING NUMBER:
C101

SHEET No: 3 of 15

FILE NAME: J:_CAD\PROJECTS\1431 - Community Center\Site\Drawings\103 - SUT.dwg, PLOT DATE: 26, 2023, 3:04:10 PM
 USER: brian.mistich, CADD: brian.mistich, CHECKED: brian.mistich, DATE: 10/10/2023



DETAILS
SCALE: NTS

SILT FENCE INSTALLATION

1. THE BASE OF BOTH END POSTS MUST BE AT LEAST 2'-4" ABOVE THE TOP OF THE SILT FENCE FABRIC ON THE MIDDLE POSTS FOR DITCH CHECKS TO DRAIN PROPERLY. USE A HAND LEVEL OR STRING LEVEL, IF NECESSARY, TO MARK BASE POINTS BEFORE INSTALLATION.
2. INSTALL POSTS 3 - 4 FEET APART IN CRITICAL WATER RETENTION AREAS AND 6 - 7 FEET APART ON STANDARD APPLICATIONS.
3. INSTALL POSTS 24" DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
4. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FENCE FABRIC.
5. ATTACH THE FABRIC TO EACH POST WITH THREE TIES. ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45° THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. ADDITIONALLY, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
6. WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
7. NO MORE THAN 24" OF A 36" FABRIC IS ALLOWED ABOVE GROUND LEVEL.
8. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION. USE A FLAT-BLADED SHOVEL TO TUCK FABRIC DEEPER INTO THE SILT IF NECESSARY.
9. COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 PSI OF PRESSURE. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
10. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
11. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. NINE INCH MAXIMUM RECOMMENDED STORAGE HEIGHT.
12. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

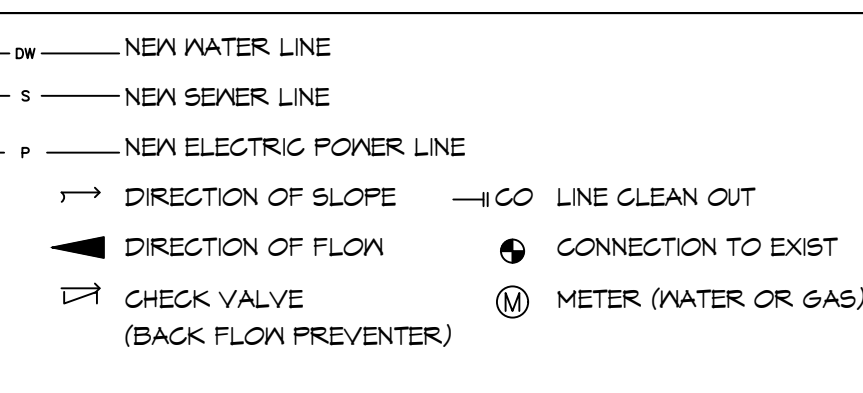
EROSION CONTROL LEGEND



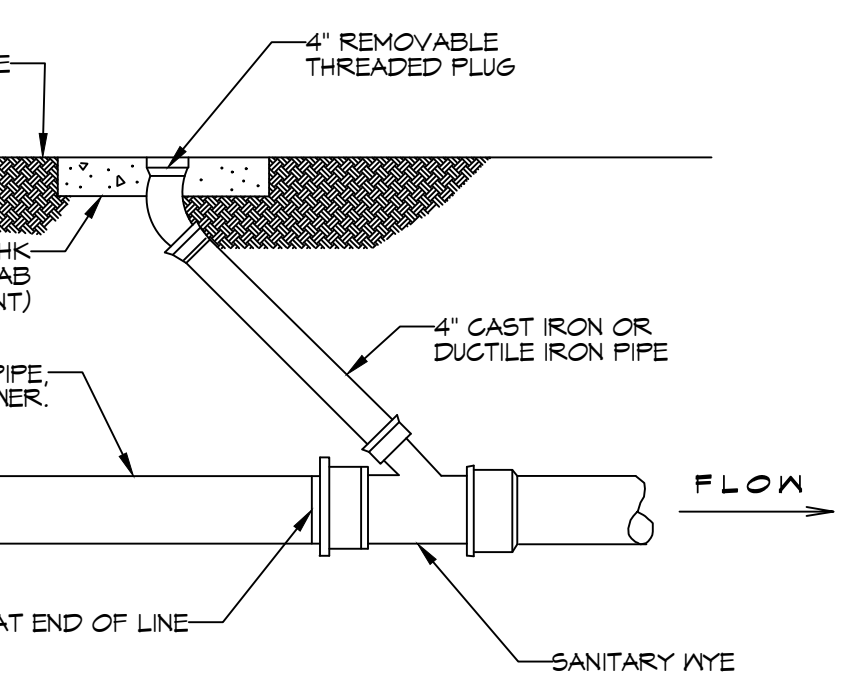
GENERAL SITE UTILITIES NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH CONTRACT SPECIFICATIONS AND APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS AND REGULATIONS.
2. CONSTRUCTION SHALL NOT INTERRUPT EXISTING UTILITIES.
3. ALL DISTURBED GROUND SHALL BE RESTORED IN KIND TO A CONDITION EQUAL TO OR BETTER THAN ORIGINALLY FOUND.
4. SOIL EROSION CONTROL SHALL BE IN ACCORDANCE WITH THESE DOCUMENTS.
5. PROTECT EXISTING UTILITY LINES FROM DAMAGE. FOLLOW INDIVIDUAL UTILITY'S RECOMMENDATIONS FOR UTILITY LINE PROTECTION.
6. CONTRACTOR SHALL IMMEDIATELY REPORT ALL DAMAGE TO UTILITY LINES TO BOTH UTILITY COMPANY AND ENGINEER.
7. ALL DAMAGE CAUSED TO EXISTING UTILITY LINES BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR TO COMPLETE SATISFACTION OF THE UTILITY COMPANY AND ENGINEER.
8. LOCATION OF EXISTING UTILITIES IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS.
9. CONTRACTOR IS RESPONSIBLE FOR CUT AND GAP OF EXISTING UTILITIES PRIOR TO ANY DEMOLITION.
10. CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL PRIOR TO COMMENCEMENT OF SITE EXCAVATION.
11. THE CONTRACTOR SHALL CONTACT RESOLVE SYSTEMS, INC FOR EXACT LOCATION OF TIE-IN FOR UTILITIES.
12. THE CONTRACTOR SHALL CONTACT GLECO FOR POWER CONNECTION.

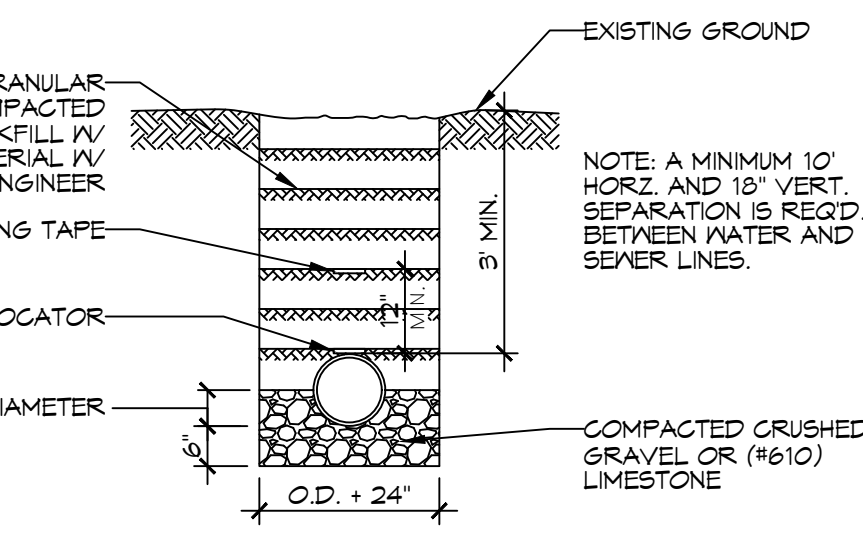
SITE UTILITIES LEGEND



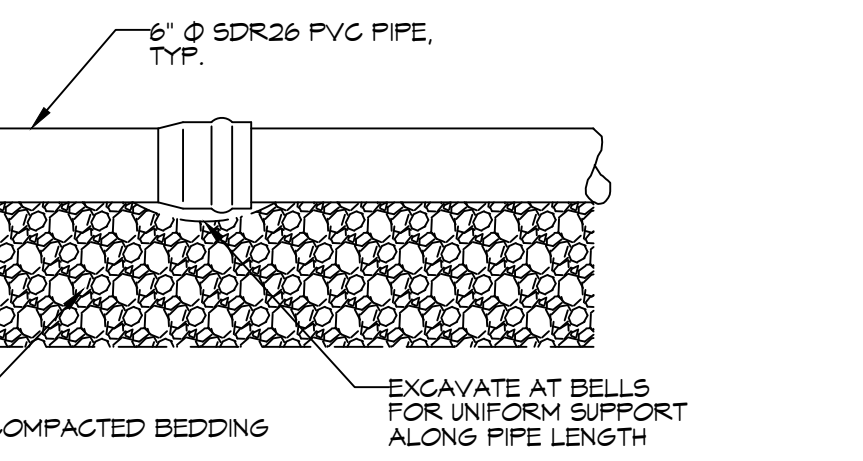
8 SITE UTILITIES PLAN
SCALE: 1"=20'-0"



A DETAIL
SCALE: NTS



B DETAIL
SCALE: NTS



C DETAIL
SCALE: NTS

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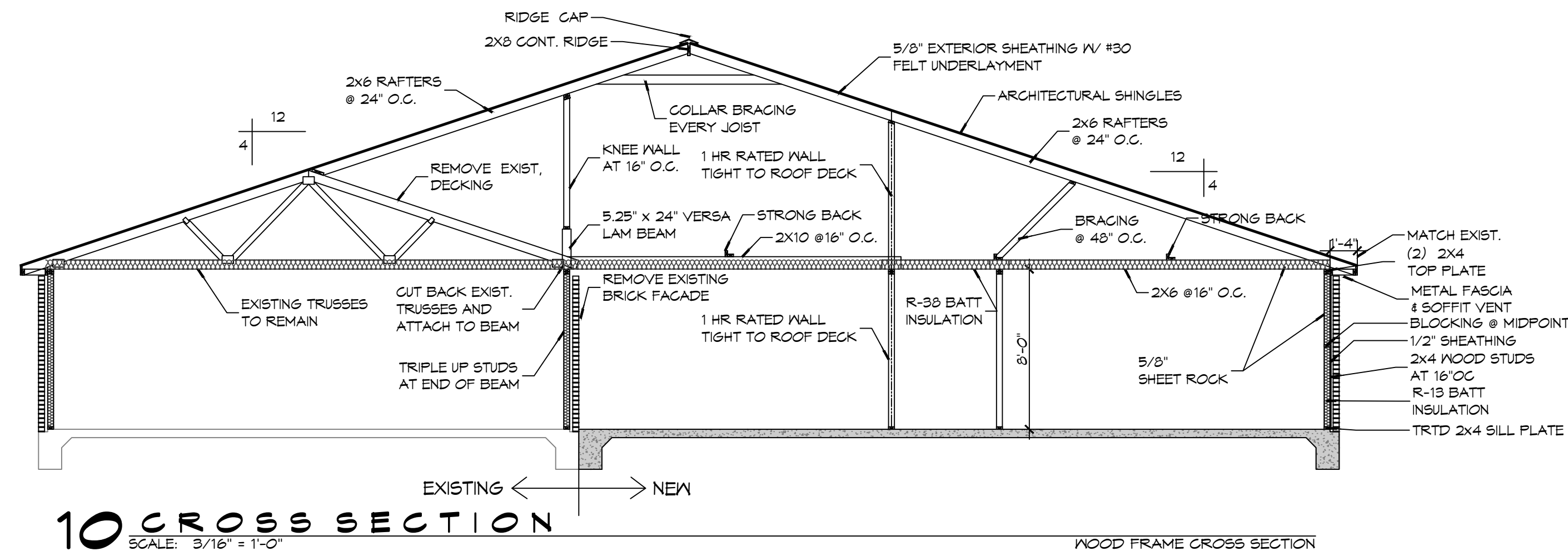
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54415 BADON RD
 SLIDELL, LA 70460
 JOB No: 2483 DATE: 10/10/2023
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SHEET TITLE:
 SITE UTILITIES PLAN

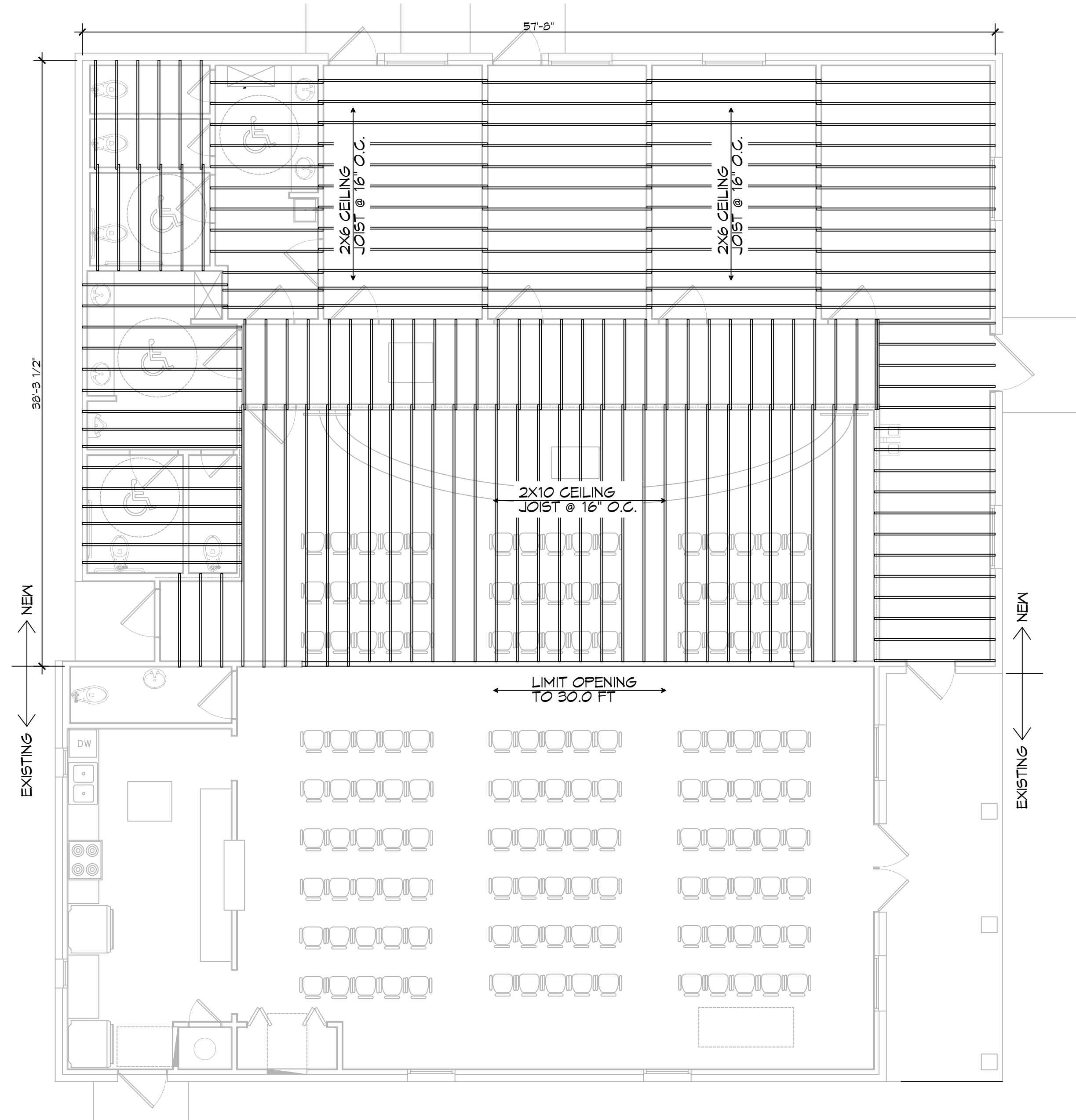
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C103

SHEET No: 5 of 15



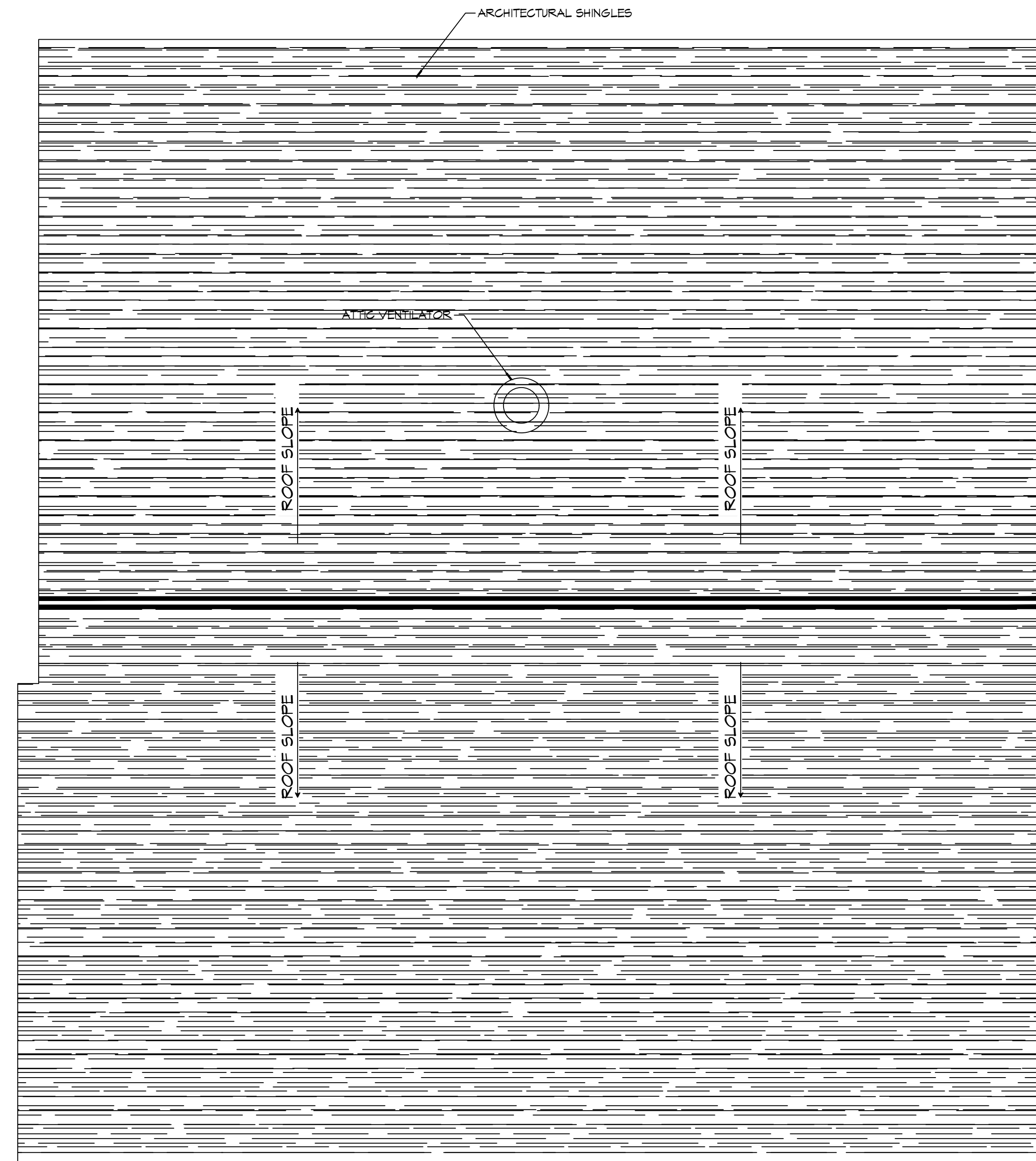
10 CROSS SECTION
SCALE: 3/16" = 1'-0"

WOOD FRAME CROSS SECTION



11 CEILING JOIST PLAN
SCALE: 3/16" = 1'-0"

CEILING JOIST



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

ROOF PLAN

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COMMUNITY CHURCH
59413 BADON RD
SLIDELL, LA 70460
JOB No: 2483 DATE: 10/10/2023
DRAWN BY: CSD CHECKED BY: BANI

SHEET TITLE:
BLDG SECTION, CEILING
JOIST AND ROOF PLAN

DRAWING NUMBER:

S102

TABLE S102.7 - HEADER SPANS FOR INTERIOR LOAD-BEARING WALLS

| HEADERS SUPPORTING | SIZE | DROPPED HEADER | | | RAISED HEADER | | |
|---|----------|----------------------|--------------|--------|----------------------|--------|-------|
| | | BUILDING WIDTH (FT.) | | | BUILDING WIDTH (FT.) | | |
| | | 12 | 24 | 36 | 12 | 24 | 36 |
| ONE FLOOR ONLY (SINGLE CENTER BEARING WALL) | (2) 2x4 | 4'-0" | 2'-10" | 2'-4" | 4'-1" | 2'-10" | 2'-4" |
| | (2) 2x6 | 5'-11" | 4'-3" | 3'-5" | 6'-1" | 4'-4" | 3'-6" |
| | (2) 2x8 | 7'-1" | 5'-2" | 4'-4" | 7'-4" | 5'-5" | 4'-5" |
| | (2) 2x10 | 7'-11" | 6'-0" | 5'-0" | 9'-2" | 6'-6" | 5'-3" |
| | (2) 2x12 | 8'-6" | 6'-7" | 5'-7" | 10'-4" | 7'-7" | 6'-3" |
| | (3) 2x8 | 8'-5" | 6'-4" | 5'-3" | 9'-8" | 6'-10" | 5'-7" |
| | (3) 2x10 | 9'-3" | 7'-1"-9'-10" | 6'-0" | 11'-5" | 8'-11" | 6'-7" |
| | (3) 2x12 | 9'-11" | 7'-8" | 6'-7" | 13'-6" | 9'-6" | 7'-4" |
| | (4) 2x8 | 9'-5" | 7'-2" | 6'-0" | 11'-2" | 7'-11" | 6'-5" |
| | (4) 2x10 | 10'-3" | 7'-11" | 6'-4" | 13'-3" | 9'-4" | 7'-8" |
| (4) 2x12 | 11'-0" | 8'-7" | 7'-4" | 15'-7" | 11'-0" | 9'-0" | |

TABLE S102.8 - HEADER SPANS FOR EXTERIOR LOAD-BEARING WALLS RESISTING WIND LOADS EXP "B"

| SIZE | 120 MPH | 130 MPH | 140 MPH | 150 MPH | 160 MPH | 170 MPH | 180 MPH | 195 MPH |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| (2) 2x4 | 5'-1" | 4'-8" | 4'-4" | 4'-1" | 3'-10" | 3'-7" | 3'-5" | 3'-2" |
| (2) 2x6 | 6'-3" | 5'-9" | 5'-4" | 5'-0" | 4'-8" | 4'-5" | 4'-2" | 3'-10" |
| (2) 2x8 | 6'-10" | 6'-4" | 5'-11" | 5'-6" | 5'-2" | 4'-10" | 4'-7" | 4'-3" |
| (2) 2x10 | 7'-4" | 6'-10" | 6'-4" | 5'-11" | 5'-6" | 5'-2" | 4'-11" | 4'-6" |
| (2) 2x12 | 7'-10" | 7'-3" | 6'-4" | 6'-3" | 5'-11" | 5'-7" | 5'-3" | 4'-10" |
| (3) 2x8 | 8'-5" | 7'-4" | 7'-2" | 6'-4" | 6'-4" | 5'-11" | 5'-7" | 5'-2" |
| (3) 2x10 | 9'-0" | 8'-4" | 7'-4" | 7'-3" | 6'-4" | 6'-4" | 6'-0" | 5'-7" |
| (3) 2x12 | 9'-7" | 8'-11" | 8'-3" | 7'-8" | 7'-3" | 6'-10" | 6'-5" | 5'-11" |
| (4) 2x8 | 9'-8" | 9'-0" | 8'-4" | 7'-4" | 7'-3" | 6'-10" | 6'-6" | 6'-0" |
| (4) 2x10 | 10'-5" | 9'-7" | 8'-11" | 8'-4" | 7'-10" | 7'-4" | 6'-11" | 6'-5" |
| (4) 2x12 | 11'-7" | 11'-1" | 10'-3" | 9'-6" | 8'-11" | 8'-4" | 7'-10" | 6'-10" |

TABLE S102.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 140 MPH WIND EXP "B"

| BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING | FOUNDATION SUPPORTING | MAXIMUM ANCHOR BOLT SPACING (INCHES) | | |
|---|-----------------------|--------------------------------------|---------------------|--|
| | | 8' END ZONES | INTERIOR ZONES | |
| UPLIFT LOADS | 1 - 3 STORIES | 50 INCHES ON CENTER | 58 INCHES ON CENTER | |

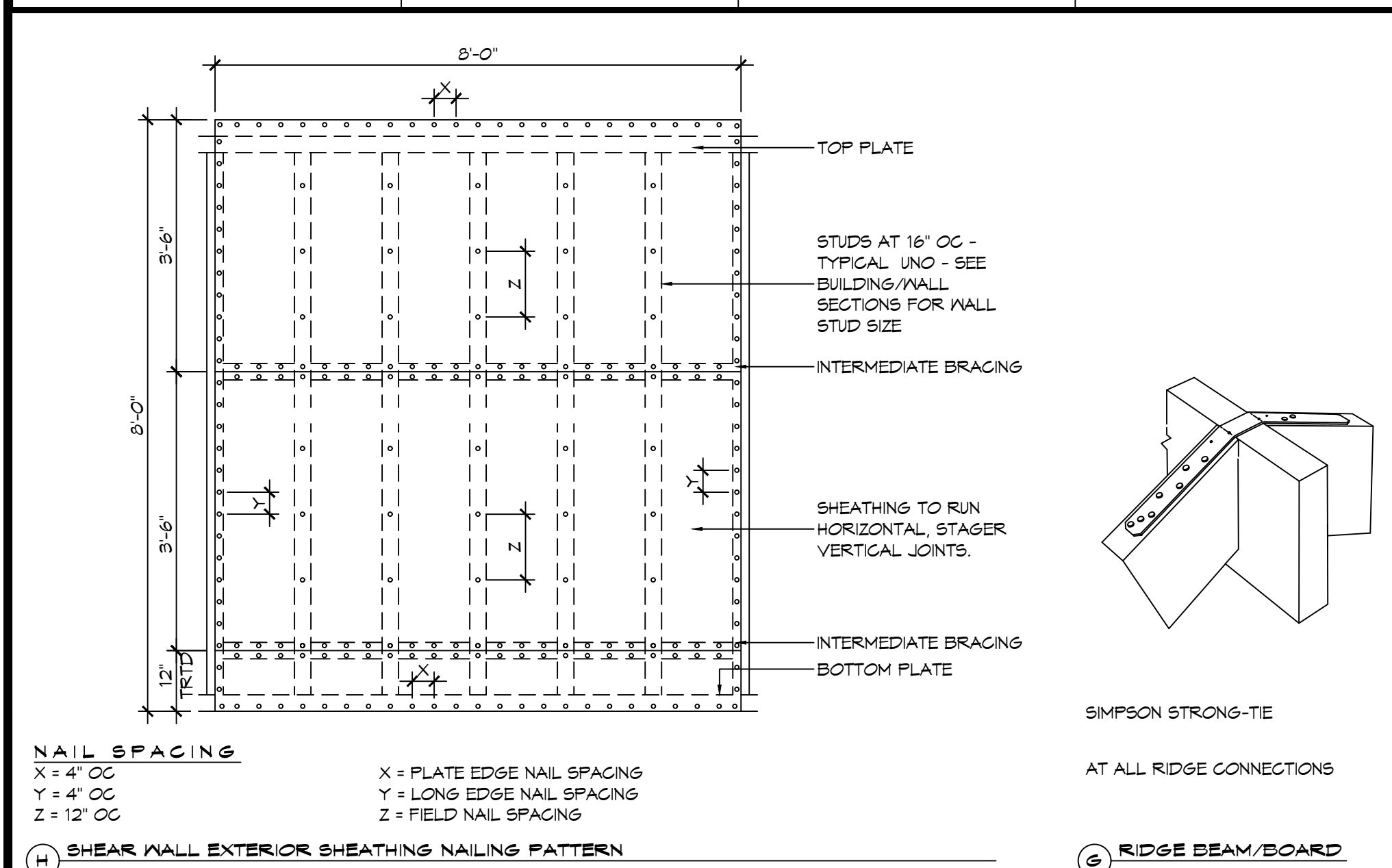
NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE.

TABLE S102.10 - BOTTOM PLATE TO FOUNDATION CONNECTIONS (ANCHOR BOLTS) RESISTING LATERAL & SHEAR LOADS - EXP "B"

| BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING | FOUNDATION SUPPORTING | MAXIMUM ANCHOR BOLT SPACING (INCHES) | |
|---|-----------------------|--------------------------------------|---------------------|
| | | 1/2" Ø ANCHOR BOLTS | 5/8" Ø ANCHOR BOLTS |
| UPLIFT LOADS | 1 STORY | 31 INCHES ON CENTER | 48 INCHES ON CENTER |

TABLE S102.11 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXP "B"

| HEADER SPAN (FEET) | WALL STUD SPACING (INCHES) | | |
|--------------------|----------------------------|----------|----------|
| | 12" O.C. | 16" O.C. | 24" O.C. |
| 2 | 1 | 1 | 1 |
| 4 | 2 | 2 | 1 |
| 6 | 3 | 3 | 2 |
| 8 | 4 | 3 | 2 |
| 10 | 5 | 4 | 3 |
| 12 | 6 | 5 | 3 |
| 14 | 7 | 6 | 4 |
| 16 | 8 | 6 | 4 |



TYPICAL CONNECTION DETAILS
SCALE: NTS

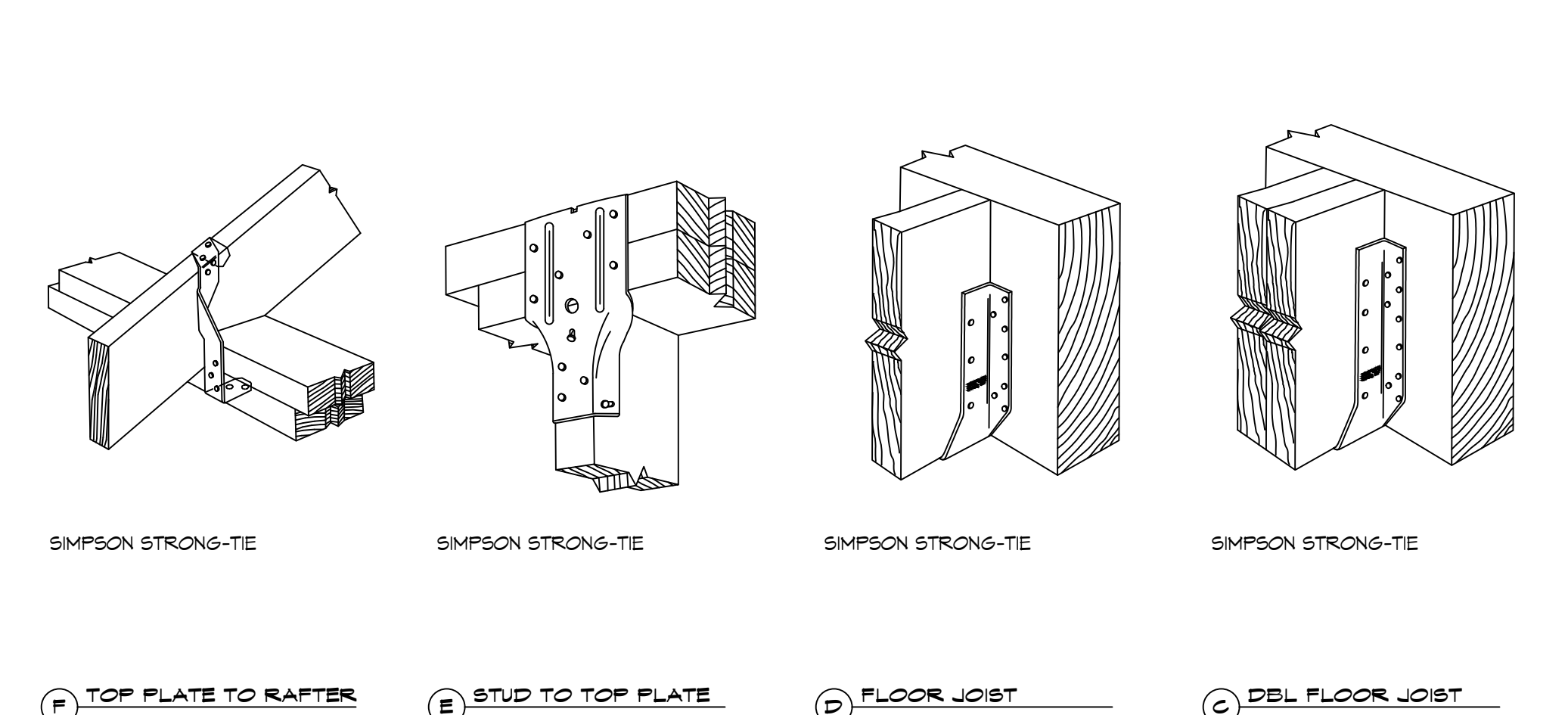
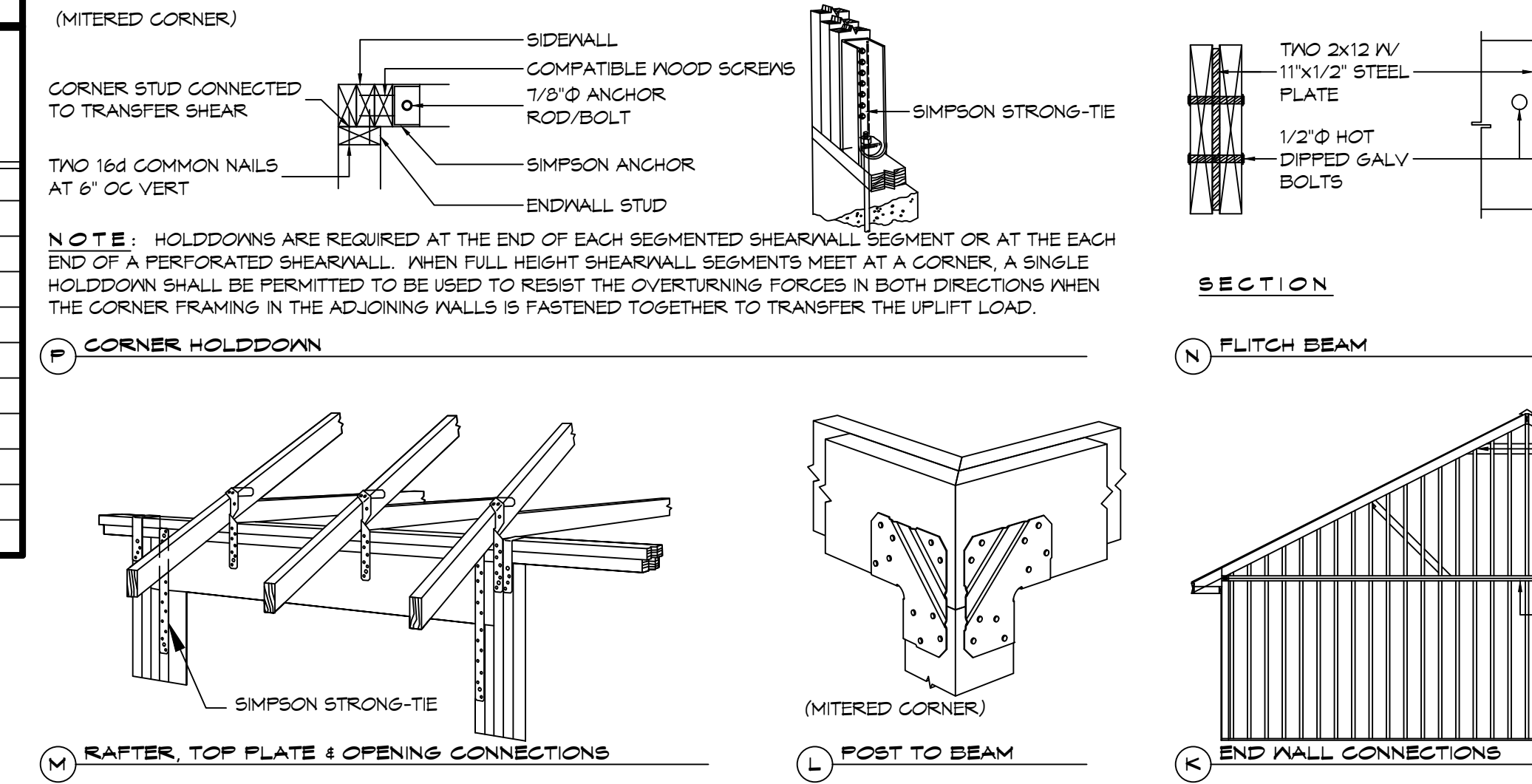
TABLE S102.5 - JACK STUD REQ - INT LOADBEARING WALLS

| HEADER SUPPORTING | HEADER SPAN (FT) | ROOF SPAN (FEET) | | | | | | | | | | | | |
|---------------------------------|-----------------------------|---|---|---|---|---------|---|---|---|---------|---|---|---|---|
| | | 12 FEET | | | | 24 FEET | | | | 36 FEET | | | | |
| | | NUMBER OF JACK STUDS REQUIRED AT EACH END OF THE HEADER | | | | | | | | | | | | |
| ONE FLOOR ONLY (CENTER BEARING) | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | |
| | 8 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | |
| | 10 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 3 | 2 | 2 | 2 | |
| | 12 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | |
| | 14 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 4 | 3 | 3 | 2 | |
| | 16 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 4 | 3 | 3 | 2 | |
| | TWO FLOORS (CENTER BEARING) | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| | | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 2 |
| 6 | | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 4 | 3 | 2 | 2 | |
| 8 | | 2 | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 5 | 3 | 3 | 3 | |
| 10 | | 2 | 2 | 2 | 1 | 4 | 3 | 3 | 2 | 6 | 4 | 4 | 3 | |
| 12 | | 3 | 2 | 2 | 2 | 5 | 3 | 3 | 3 | 7 | 5 | 4 | 4 | |
| 14 | | 3 | 2 | 2 | 2 | 6 | 4 | 4 | 3 | 8 | 5 | 5 | 4 | |
| 16 | | 4 | 3 | 2 | 2 | 6 | 4 | 4 | 3 | 9 | 6 | 6 | 5 | |

TABLE S102.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS

| HEADER SUPPORTING | HEADER SPAN (FT) | ROOF LIVE LOAD 20 PSF | | | | GROUND SNOW LOAD 30 PSF | | | | | | |
|-------------------|---|-------------------------------|------|----|----|-------------------------|------|----|----|---|---|---|
| | | NUMBER OF JACK STUDS REQUIRED | | | | | | | | | | |
| | | 3" | 4.5" | 5" | 6" | 3" | 4.5" | 5" | 6" | | | |
| ROOF AND CEILING | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 6 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | |
| | 8 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | |
| | 10 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | |
| | 12 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | |
| | 14 | 4 | 3 | 2 | 2 | 4 | 3 | 2 | 2 | 2 | 2 | |
| | 16 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 2 | 2 | 2 | |
| | ROOF, CEILING, AND ONE CENTER BEARING FLOOR | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 4 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 |
| 6 | | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | |
| 8 | | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | |
| 10 | | 4 | 3 | 2 | 2 | 4 | 3 | 3 | 2 | 2 | 2 | |
| 12 | | 4 | 3 | 3 | 2 | 5 | 3 | 3 | 3 | 3 | 3 | |
| 14 | | 5 | 4 | 3 | 3 | 5 | 4 | 3 | 3 | 3 | 3 | |
| 16 | | 6 | 4 | 4 | 3 | 6 | 4 | 4 | 3 | 3 | 3 | |

HEADER WIDTH - 3" (2-2X), 4.5" (3-2X), 5", 6.5" (4-2X) EACH 1/2" PLYWOOD SPACER BETWEEN



TYPICAL CONNECTION DETAILS
SCALE: NTS

TABLE S102.3 - NAILING SCHEDULE

| DESCRIPTION | NUMBER OF COMMON NAILS | NUMBER OF BOX NAILS | SPACING |
|---|------------------------|---------------------|--------------------|
| WALL FRAMING | | | |
| TOP PLATE TO TOP PLATE (FACE NAILED) | 2-16d | 2-16d | PER FOOT |
| TOP PLATE AT INTERSECTION (FACE) | 4-16d | 5-16d | JOINTS - EACH SIDE |
| STUD TO STUD (FACE-NAILED) | 2-16d | 2-16d | 24" O.C. |
| HEADER TO HEADER (FACE NAILED) | 16d | 16d | 16" O.C. EDGES |
| TOP OR BOTTOM PLATE TO STUD (END) | SEE TABLE | SEE TABLE | PER STUD |
| BOTTOM PLATE TO FLOOR JOIST, BANDJOIST, END JOIST OR BLOCKING | 2-16d | 2-16d | PER FOOT |
| ROOF SHEATHING | | | |
| WOOD STRUCTURAL PANELS | 8d | 10d | SEE TABLE S102.1 |
| DIAGONAL BOARD SHEATHING | 1x6" OR 1x8" | 2-8d | 2-10d PER SUPPORT |
| 1X10" OR WIDER | 3-8d | 3-10d | PER SUPPORT |

TABLE S102.4 - BUILDING ENVELOPE REQUIREMENTS

| DESCRIPTION | ASSEMBLY MAXIMUM | INSULATION MIN. R-VALUE |
|--------------------------------|------------------|-------------------------|
| ROOFS | | |
| OPAQUE ELEMENTS | | |
| INSULATION ENTIRELY ABOVE DECK | U-0.048 | R-20.0 c.i. |
| METAL BUILDING | U-0.065 | R-19 |
| ATTIC AND OTHER | U-0.027 | R-30 |
| MASS | U-0.151 @ | R-5.7 c.i. @ |
| WALLS, ABOVE GRADE | | |
| METAL BUILDING | U-0.113 | R-13.0 |
| STEEL-FRAMED | U-0.124 | R-13.0 |
| WOOD-FRAMED AND OTHER | U-0.089 | R-13.0 |
| FLOORS | | |
| MASS | U-0.107 | R6-3 c.i. |
| STEEL JOIST | U-0.052 | R-19.0 |
| WOOD FRAMED AND OTHER | U-0.051 | R-19.0 |
| SLAB-ON-GRADE | | |
| UN-HEATED | F-0.130 | NR |
| OPAQUE DOORS | | |
| SPRINGING | U-0.700 | NR |
| NON-SPRINGING | U-1.450 | NR |

c.i. = CONTINUOUS INSULATION; NR = NO INSULATION REQUIREMENT
@ = EXCEPTION APPLIES

HEADER WIDTH - 3" (2-2X), 4.5" (3-2X), 5", 6.5" (4-2X) EACH 1/2" PLYWOOD SPACER BETWEEN

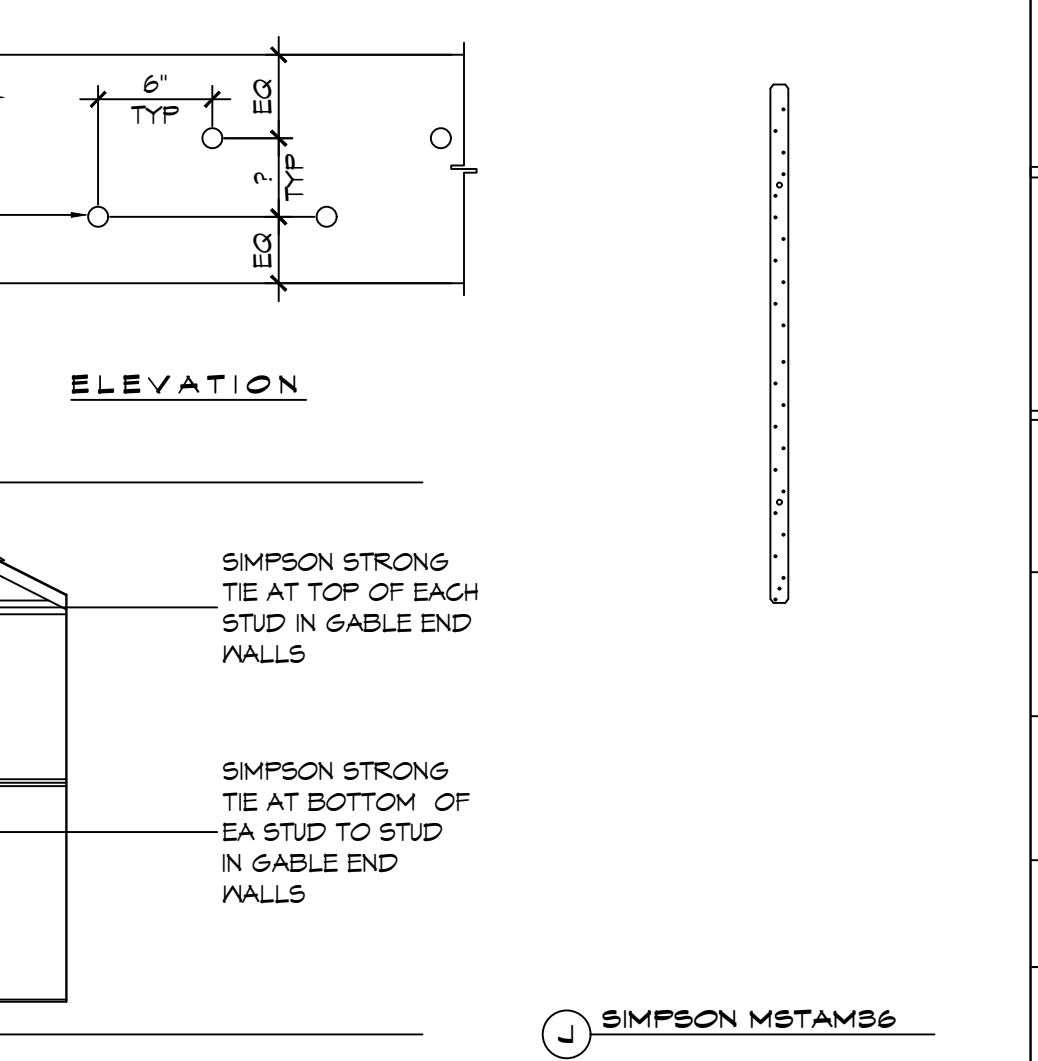


TABLE S102.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - 140 MPH WIND LOAD EXP "B"

| SHEATHING LOCATION | RAFTER / TRUSS SPACING | MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES O.C.) | |
|---------------------|------------------------|---|----|
| | | E | F |
| INTERIOR ZONE | 12" OC | 6 | 12 |
| | 16" OC | 6 | 12 |
| | 24" OC | 6 | 12 |
| PERIMETER EDGE ZONE | 12" OC | 6 | 12 |
| | 16" OC | 6 | 12 |
| | 24" OC | 6 | 6 |

130 MPH WIND - EXPOSURE 'C' TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES.
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

TYPICAL CONNECTION DETAILS
SCALE: NTS

ROOF UNDERLAYMENT NOTES

- FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE), UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
 - APPLY A 19 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 14 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
- FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
 - UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND AFFIXED 2 INCHES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.

SHINGLE APPLICATION & FASTENING NOTES

- ASPHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES:
 - THE BASIC WIND SPEED IS 110 MPH OR GREATER AND THE EAVE IS 20 FEET OR HIGHER ABOVE GRADE.
 - THE BASIC WIND SPEED IS 120 MPH OR GREATER.
 - SPECIAL WIND ZONES.

GENERAL UPLIFT CONNECTION NOTES

ROOF ASSEMBLY TO WALL ASSEMBLY:
UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD. WHEN RAFTERS OR TRUSSES ARE NOT LOCATED DIRECTLY ABOVE STUDS, RAFTERS SHALL BE ATTACHED TO THE WALL PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.10.

WALL ASSEMBLY TO WALL ASSEMBLY:
STORY TO STORY UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD. WHEN UPPER STORY WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE LOWER WALL STUDS, THE STUDS SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.11.

WALL ASSEMBLY TO FOUNDATION:
FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION, SILL, PLATE, OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" x 20 GA. ASTM A653 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 1 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED UNDER THE BOTTOM PLATE, 3 INCH SQUARE WASHERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRAPS EMBEDDED IN OR IN CONTACT WITH SLAB-ON-GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION, OR MANUF. FROM #10S OR #450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.12.

TABLE S102.2 - WALL SHEATHING OR CLADDING REQUIREMENT - 140 MPH WIND LOAD EXP "B"

| SHEATHING LOCATION | STUD SPACING | MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES O.C.) | |
|---------------------|--------------|---|----|
| | | E | F |
| INTERIOR ZONE | 12" OC | 6 | 12 |
| | 16" OC | 6 | 12 |
| | 24" OC | 6 | 12 |
| PERIMETER EDGE ZONE | 12" OC | 6 | 12 |
| | 16" OC | 6 | 12 |
| | 24" OC | 6 | 12 |

140 MPH WIND - EXPOSURE 'B' TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES.
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

DESIGN CRITERIA
THE CONSTRUCTION FOR SAID RESIDENCE, WHERE BASIC WIND SPEED IS 140 MILES PER HOUR, WIND EXPOSURE ZONE B, IS DESIGNED IN ACCORDANCE WITH AMERICAN FOREST AND PAPER ASSOCIATION (AF&PA) WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (WFCM) 2001 EDITION AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2021 EDITION.

DAMMON ENGINEERING, INC.

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

STATE OF LOUISIANA
BRIAN A. MISCH
LICENSE NO. 31817
PROFESSIONAL ENGINEER

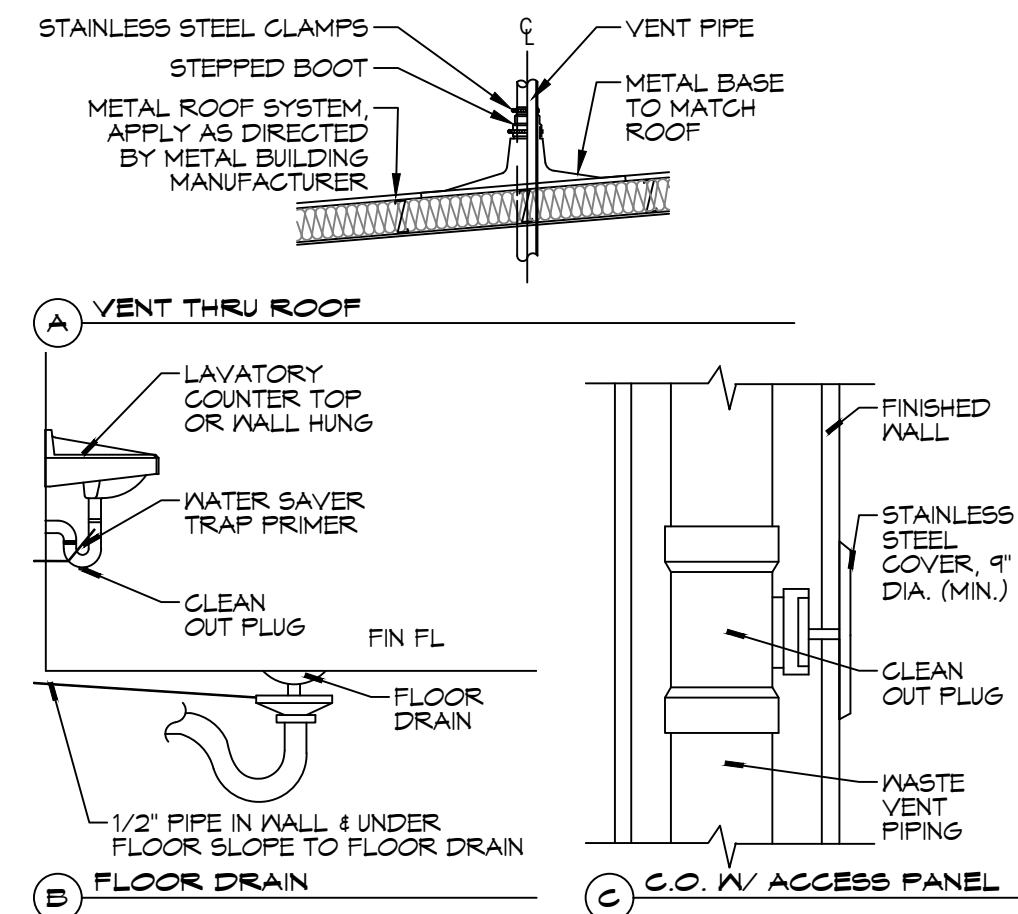
5449 BALCON RD.
SLIDELL, LA 70460
JOB NO: 2493 DATE: 10/10/2023
DRAWN BY: D/D/K/LK CHECKED BY: BAW

SHEET TITLE:
TYPICAL CONNECTION
DETAILS, SCHEDULES, AND
NOTES

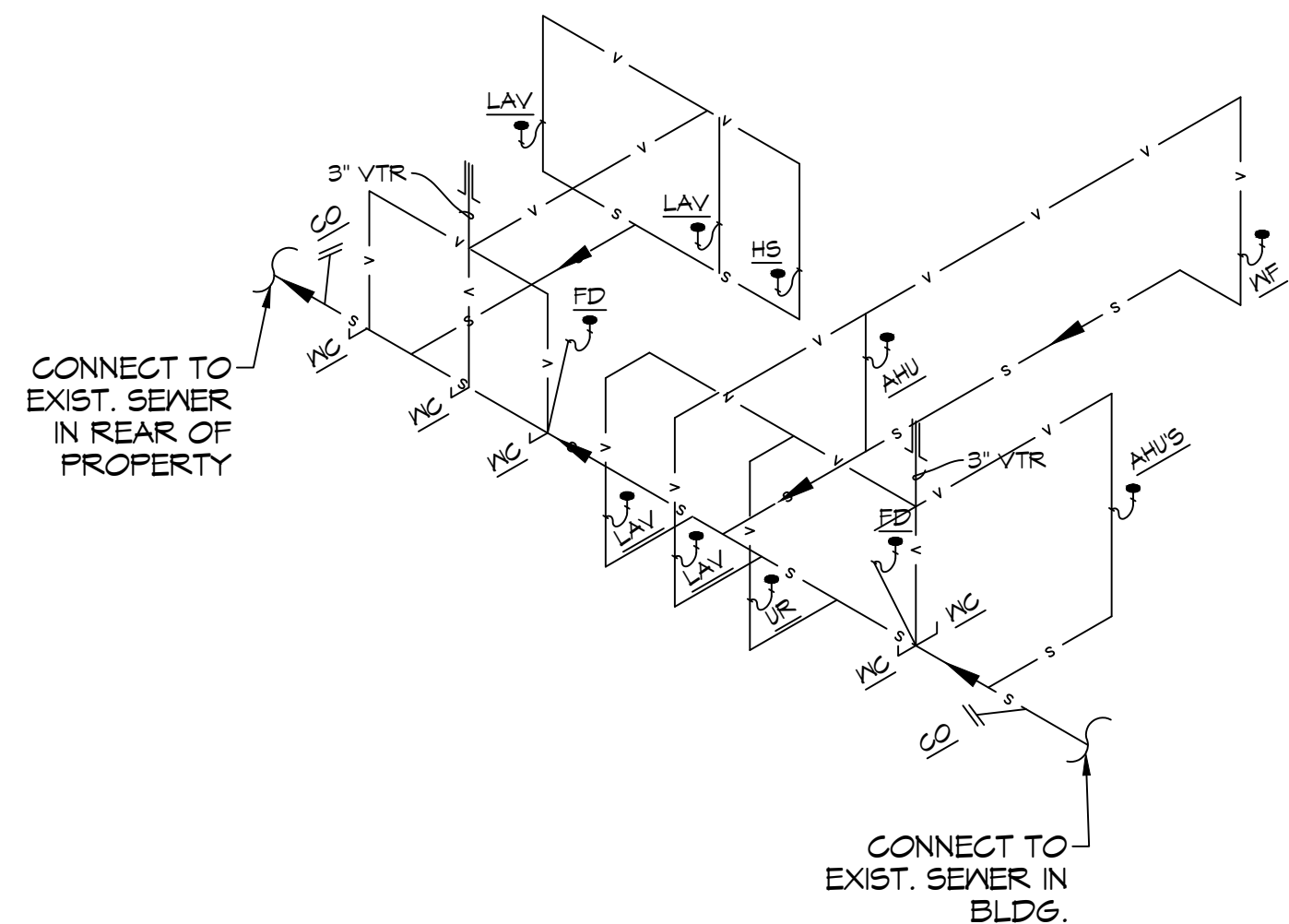
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S103

SHEET No: 8 of 15

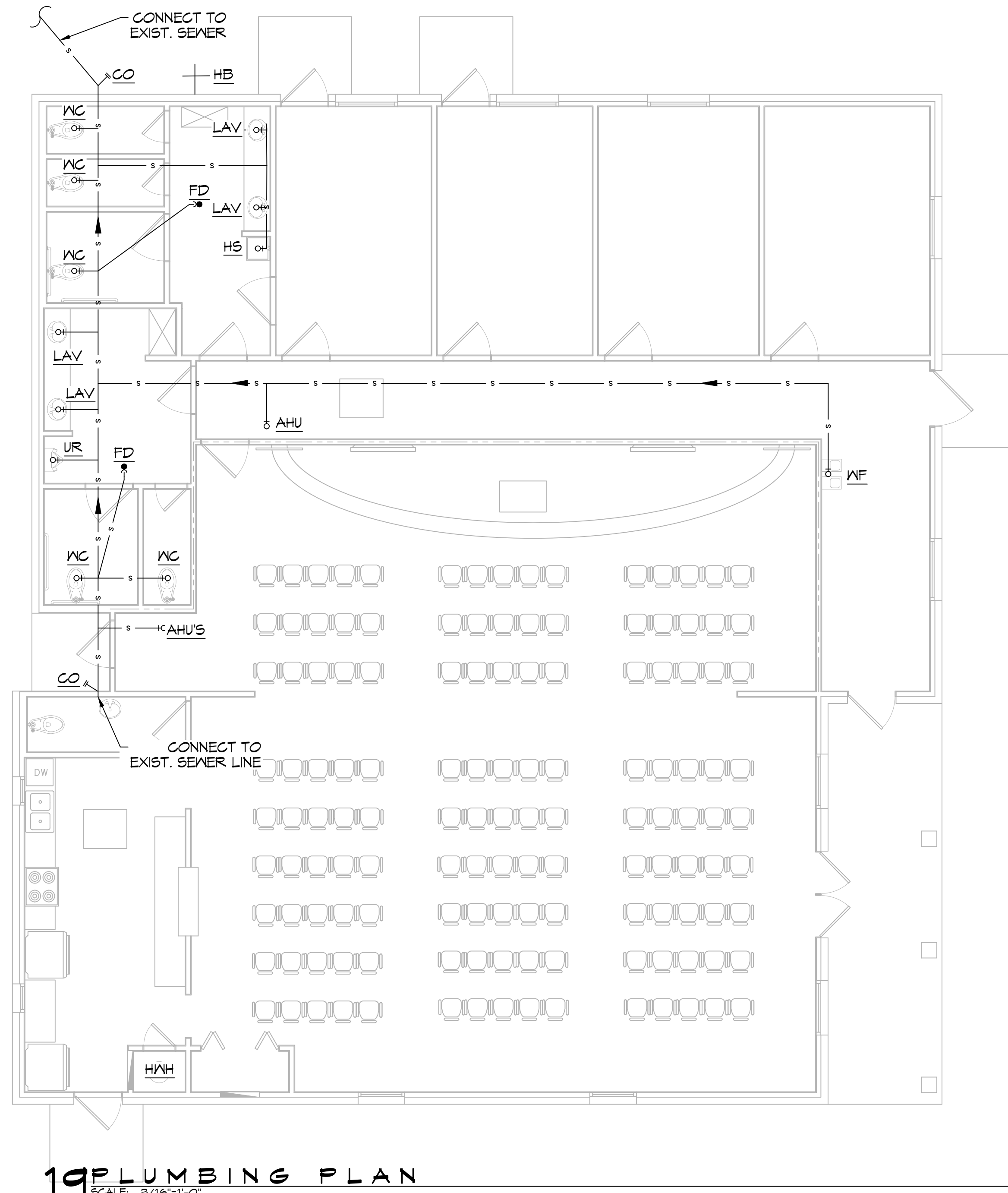
PLUMBING DETAILS
 SCALE: NTS
 18 PLUMBING DIAGRAM
 SCALE: 3/16"=1'-0"
 19 PLUMBING PLAN
 SCALE: 3/16"=1'-0"



PLUMBING DETAILS
SCALE: NTS



18 PLUMBING DIAGRAM
SCALE: 3/16"=1'-0"



19 PLUMBING PLAN
SCALE: 3/16"=1'-0"

GENERAL PLUMBING NOTES

1. PLUMBING LINES SHOWN ARE DRAWN DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS.
2. 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.
3. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL CITY, PARISH, STATE AND NATIONAL GOVERNING CODES.
4. 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.
5. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
6. SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES 4-INCH AND LARGER SHALL BE 1/8" PER FOOT.
7. TEST ALL PIPING AT REQUIRED PRESSURE.
8. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL SYSTEM AND ELECTRICAL SYSTEMS TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
9. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
10. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
11. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K, SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
12. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE L. HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
13. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
14. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
15. ALL ELECTRICAL, MECHANICAL AND PLUMBING ELEMENTS 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.)
17. ALL VENTS THROUGH ROOF (VTR) SHALL BE LOCATED A MINIMUM OF 10'-0" FROM ANY MECHANICAL OR NATURAL AIR INTAKE.

PLUMBING FIXTURE SCHEDULE

| MK | DES. | TYPE | ROUGH - IN - SIZE | | | | NOTE |
|-----|-------------------|-----------|-------------------|------|--------|------|-------|
| | | | WASTE | VENT | COLD | HOT | |
| WC | WATER CLOSET | VALVE | 4" | 3" | 1-1/2" | - | 3 |
| UR | URINAL | VALVE | 3" | 2" | 3/4" | - | 3 |
| LAV | LAVATORY | WALL HUNG | 2" | 2" | 3/4" | 3/4" | 1,2,3 |
| FD | FLOOR DRAIN | - | 3" | 2" | - | - | 4 |
| HB | HOSE BIB | VALVE | - | - | 3/4" | - | - |
| AHU | AIR HANDLER DRAIN | - | 3/4" | 2" | - | - | - |

- NOTES:**
1. INSULATE PIPING FOR HANDICAP FIXTURES.
 2. PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURES.
 3. H.C. - HANDICAP FIXTURE
 4. INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.
 5. FIXTURES SELECTED BY OWNER.

LEGEND

CO - CLEAN OUT
 VTR - VENT THRU ROOF
 - - - VENTILATION
 - - - SEWAGE

ALL PLUMBING LINES ARE DRAWN DIAGRAMMATICALLY FOR CLARITY.

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 Chief Engineer: Brian Mistich, PE

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



COMPTON SURCH
 5415 BACON RD.
 SLIDELL, LA 70460
 JOB No: 2493
 DATE: 10/10/2023
 DRAWN BY: JTL/GKD
 CHECKED BY: BAK

SHEET TITLE:
PLUMBING PLAN

DRAWING NUMBER:

P101

| AHU UNIT SCHEDULE | | | | | | | | |
|-------------------|------------------|-------|-----|------------|------------|-----|------------|-----------------------------|
| DESIGNATION | TOTAL Btu | CFM | OA | HEA T (KW) | ELECTRICAL | | | MFR |
| | | | | | VOLT | MCA | MAX O.C.P. | |
| AHU-1 (EXISTING) | 48,000 Btu 4 TON | 1,600 | 160 | 10 | 240V,10 | 54 | 60 | GOODMAN ARUF OR EQUAL |
| AHU-2 | 60,000 Btu 5 TON | 2,000 | 400 | 4.5 | 240V,10 | 31 | 35 | |
| AHU-3 | 60,000 Btu 5 TON | 1,610 | 400 | 10 | 240V,10 | 56 | 60 | |
| AHU-4 (OPTIONAL) | 36,000 Btu 3 TON | 1,200 | 0 | 0 | 240V,10 | 3.6 | 15 | |

| A/C UNIT SCHEDULE | | | | | |
|-------------------|------------------|---------|------|------------|-----|
| DESIGNATION | TOTAL Btu | VOLT | MCA | MAX O.C.P. | MFR |
| | | | | | |
| CU-2 | 36,000 Btu 3 ton | 240V,10 | 32.0 | 50 | |
| CU-3 | 54,000 Btu 5 TON | 240V,10 | 32.0 | 50 | |
| CU-4 (OPTIONAL) | 36,000 Btu 3 ton | 240V,10 | 18.6 | 30 | |

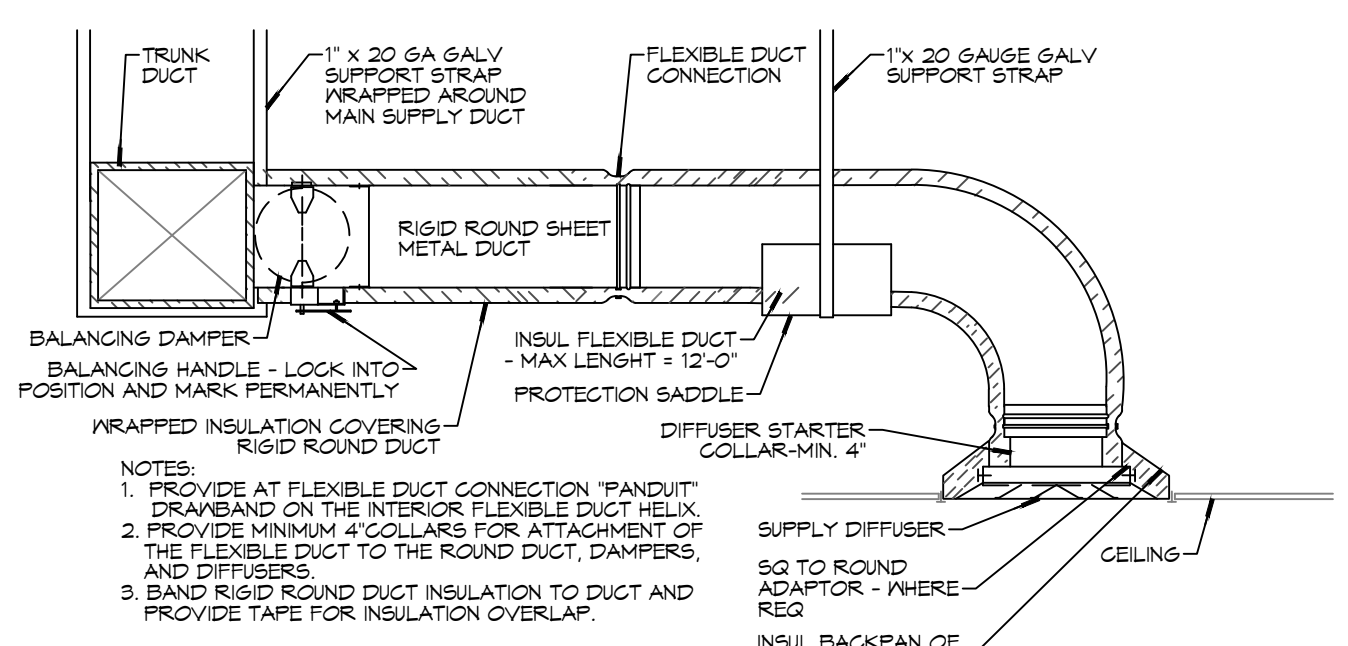
| DIFFUSER SCHEDULE | | | | |
|-------------------|------------|-----------|--|--|
| Mark No. | Service | Neck Size | Description | |
| A | Supply Air | Ref. Plan | 24" X 24" Adjustable Square Cone Diffuser, Price ASCDA w/ Insulated Back Panel | |
| B | Supply Air | Ref. Plan | 12" X 12" Adjustable Square Cone Diffuser, Price ASCDA w/ Insulated Back Panel | |
| C | Return Air | Ref. Plan | 24" X 24" Perforated, Ducted Return w/ Damper, Tilt PAR | |
| D | Exhaust | Ref. Plan | Eggcrate exhaust, Price 80 w/ damper | |

| EXHAUST FAN SCHEDULE | | | | | | | | | |
|----------------------|---------------|-----------|------|-------|-----|----|--------------|-------------|------|
| TAG | FAN | | | POWER | | | MAKE / MODEL | REMARKS | |
| | AIRFLOW (CFM) | TSP ("wc) | AMPS | WATTS | VAC | PH | | | |
| EF-1 | 220 | 0.1 | | 220 | 120 | 1 | 60 | Cook GC-188 | 1, 2 |
| EF-2 | 180 | 0.2 | | 145 | 120 | 1 | 60 | Cook GC-168 | 1, 2 |
| EF-3 | 90 | 0.1 | 0.9 | 120 | 1 | 60 | Brown 596N | 1, 3 | |

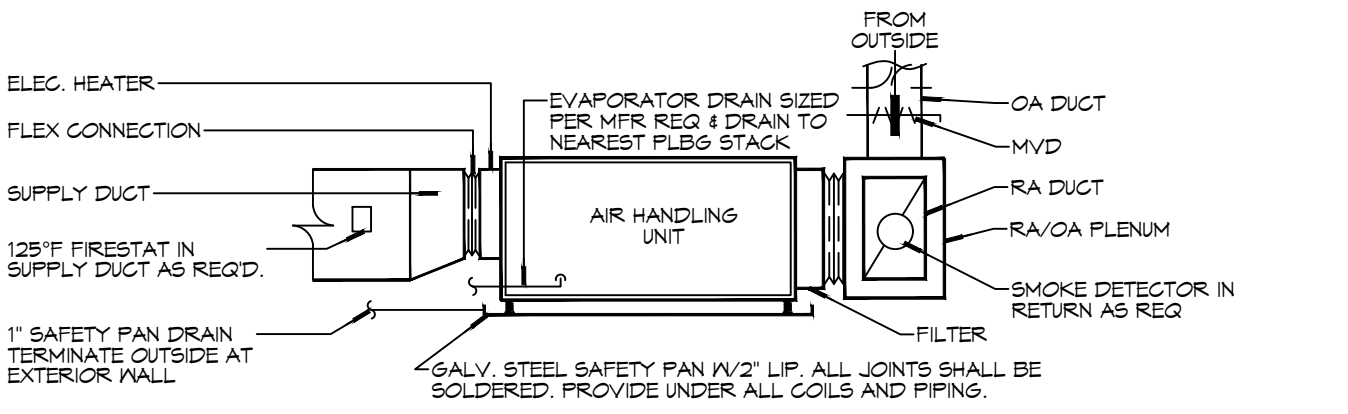
NOTE:
ALL MECHANICAL IS DRAWN DIAGRAMMATICALLY FOR CLARITY, FIELD VERIFY PRIOR TO FABRICATION.

- ### GENERAL HVAC NOTES
- CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL WRAPPED WITH FIBROUS GLASS DUCT WRAP WITH FSK VAPOR BARRIER, MIN R-6. INSTALLED PER SMACNA STANDARDS. DUCT WORK IMMEDIATELY DOWNSTREAM FROM AHU 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° FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
 - PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
 - CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
 - ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
 - ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
 - EXHAUST FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
 - PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
 - ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
 - LOCATE OUTDOOR UNITS AS SHOWN ON ARCHITECTURAL DRAWINGS.
 - REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
 - FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
 - ALL ELECTRICAL, MECHANICAL, AND PLUMBING 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-E8-14).
 - ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
 - FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 12'-0".
 - REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
 - FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
 - PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL A.H.J.S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR.
 - FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
 - PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
 - COORDINATE MALL MOUNTED THERMOSTAT LOCATIONS WITH ALL OWNER FURNISHED ITEMS EITHER WALL MOUNTED OR FLOOR MOUNTED AGAINST PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS.
 - PROVIDE MIN 18 GA GALVANIZED SHEET METAL TO BLANK-OFF GABLE VENTS WHERE INTAKE/EXHAUST DUCTS OCCUR.

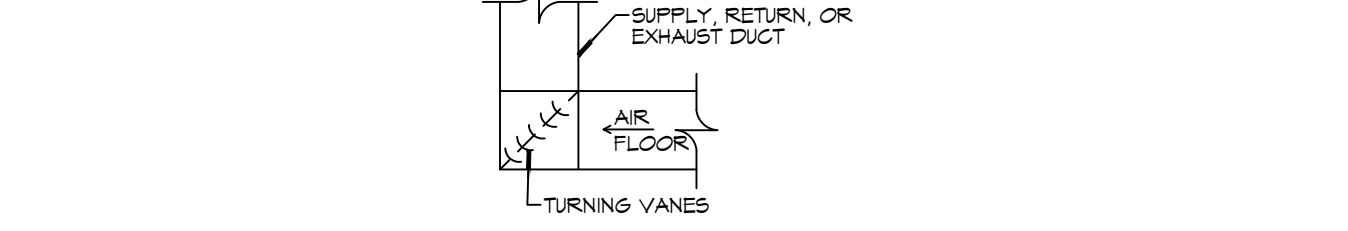
- NOTES:**
- PROVIDE ALL NEW AHUS WITH SINGLE POINT CONNECTIONS.
 - COOLING CAPACITIES TO BE RATED IN ACCORDANCE WITH AHRI STANDARD 210/290 FOR ASHRAE STANDARD DESIGN WEATHER CONDITIONS IN NEW ORLEANS, LA.
 - PROVIDE INLET FILTER BOX, CONDENSATE OVERFLOW SWITCH & PROGRAMMABLE 1/24 THERMOSTAT WITH LOCKABLE COVER.
 - INSTALL UNITS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE NEW FILTERS AFTER COMMISSIONING AND FINAL ACCEPTANCE.



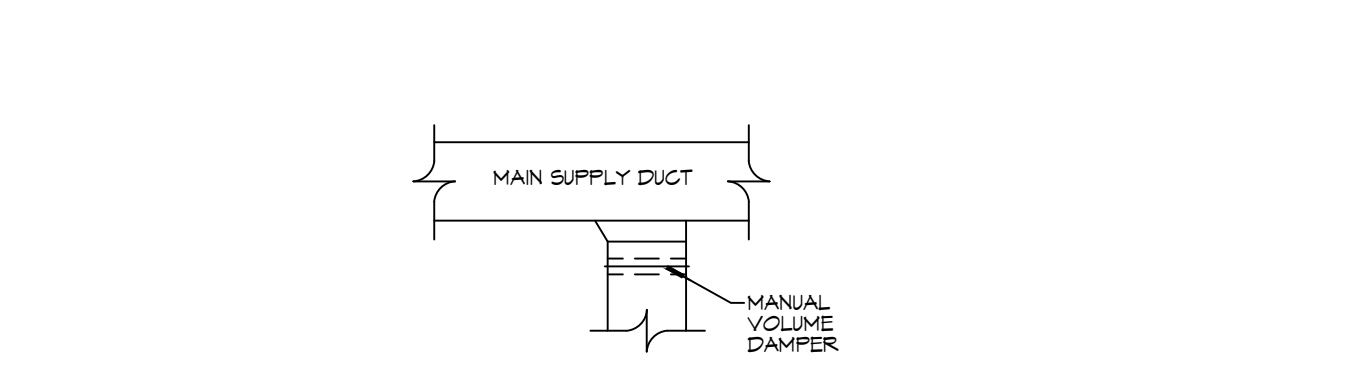
F DIFFUSER CONNECTION DETAIL - FLEX DUCT



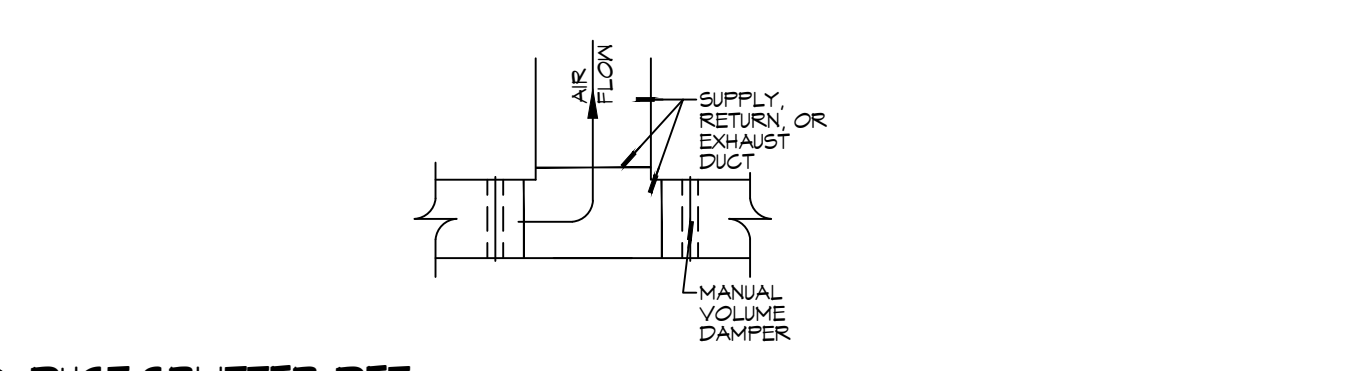
E TYPICAL HORIZONTAL AHU DETAIL



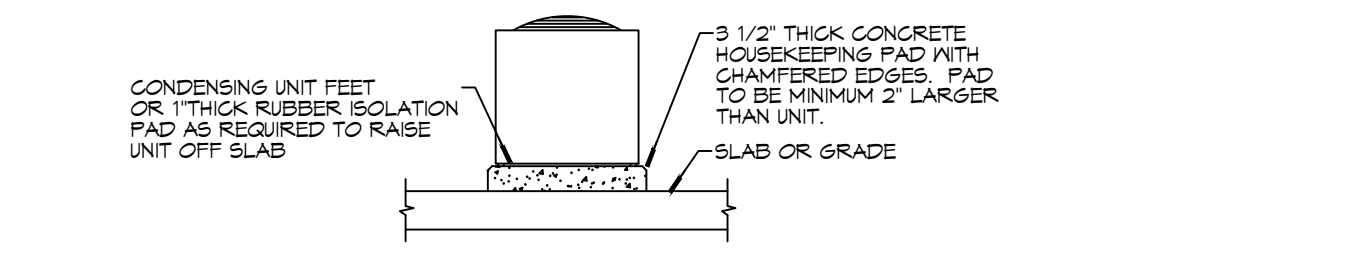
D SQUARE ELBOW DETAIL



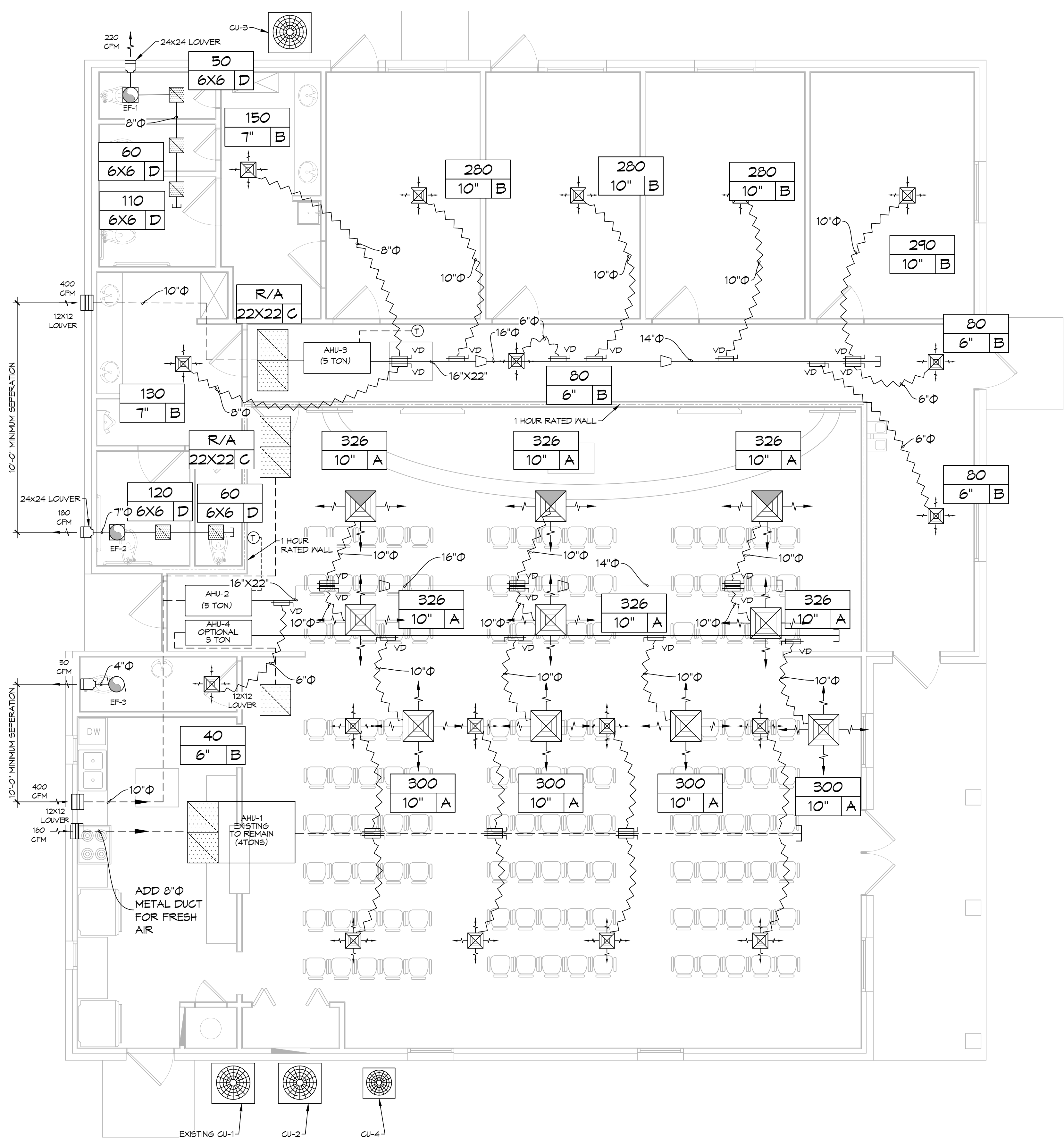
C SUPPLY DUCT TAKE-OFF DETAIL



B DUCT SPLITTER DET



A CONDENSING UNIT MOUNT

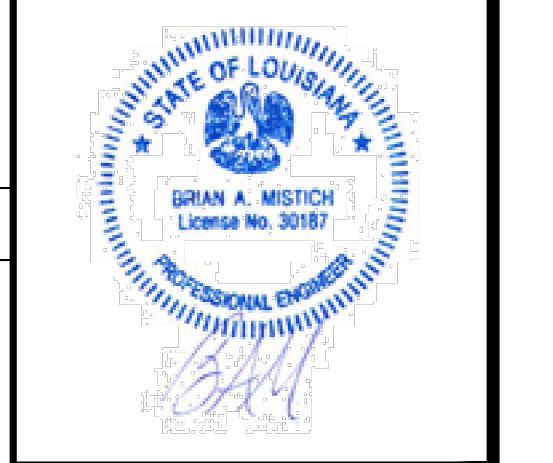


21 MECHANICAL FLOOR PLAN
SCALE: 1/4" = 1'-0"

20 DETAILS
SCALE: N.T.S.

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| # | DESCRIPTION | DATE |
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COMMUNITY CHURCH
5448 BACON RD.
SLIDELL, LA 70460
JOB No: 2483 DATE: 10/10/2023
DRAWN BY: BAK
CHECKED BY: CKD

SHEET TITLE:
MECHANICAL FLOOR PLAN,
SCHEDULES AND DETAILS

DRAWING NUMBER:
M101

SHEET No: 12 of 15

