

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 1 PERSON / 1 FT-6 IN OF BENCH	152 + 2 WHEEL CHAIR = 154 OCCUPANTS
ASSEMBLY A-2 100 SF PER PERSON	40 OCCUPANTS
194 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 = 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)	
300 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 2015	
ASSEMBLY GROUP A2 & A3 (IBC 2012 CHAPTER 3)	
OCCUPANT LOAD CALCULATIONS (TABLE 1004.1.2)	
ASSEMBLY 3 (FIXED SEATING) = 226 1/2 IN (BENCH) + 2 WHEELCHAIR	1 PERSON / 1 FT-6 IN OF BENCH 152 + 2 = 154 OCCUPANTS
ASSEMBLY 2 = 3664 sq. ft.	100 SF PER PERSON 15 OCCUPANTS
TOTAL OCCUPANTS 194 OCCUPANTS	
CONSTRUCTION TYPE(S) (TABLE 503)	
VB (SECTION 503)	
ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION	
MAXIMUM HEIGHT IN STORES (SECTION 503 & 504, TABLE 503)	1
MAXIMUM AREA IN SQUARE FEET (SECTION 503, 506 & 507, TABLE 503) WITH AREA INCREASE	9,293 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 = 141 MPH (IBC FIG 1609C)	NOMINAL WIND SPEED = V ₅₀ = 109 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	

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.J.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

BUILDING SQUARE FOOTAGE	TOTAL ENCLOSED SPACE	4249 SF
EXISTING INDUSTRIALIZED BUILDING FOR NEW CHURCH		
PROJECT LOCATION: 5770 LEGGETT ROAD SLIDELL, LA 70460		OWNER: Pastor STEVE ABRAM

GRAPHIC SYMBOLS

CEILING HEIGHT	FINISHED CEILING DESIGNATION SYMBOL	DRAWING NO	DRAWING TITLE	1 FLOOR PLAN
CEILING MATERIAL	AREA OF DETAIL TO BE ENLARGED	TRUE NORTH	DRAWING SCALE	1 FLOOR PLAN
SHEET NUMBER	DETAIL NUMBER	PLAN NORTH	DRAWING SUBTITLE	
DETAIL NUMBER	ELEVATION TAG	DRAWING NO	DRAWING TITLE	1 FLOOR PLAN
DETAIL NUMBER	SECTION TAG	DRAWING SCALE	DRAWING SUBTITLE	
DETAIL NUMBER	COLUMN GRID IDENTIFIER	ROOM NAME	ROOM NUMBER	ROOM TAG
	REVISION TAG & CLOUD	ENTRY	FIN FL	PARTITION TYPE TAG
				ELEVATION TAG
				WINDOW - LOUVER OPENING DESIGNATION, REFERENCE WINDOW SCHEDULE
				DOOR OPENING DESIGNATION, REFERENCE DOOR SCHEDULE
				KEY NOTE (SHEET SPECIFIC)

RELOCATION OF INDUSTRIALIZED BUILDING FOR CHRISTIAN LOVE CHURCH SLIDELL LOUISIANA

THESE ARE EXISTING INDUSTRIALIZED BUILDINGS THAT WERE ONCE FOR EDUCATIONAL PURPOSES AND NOW WILL BE FOR A CHURCH. ALL THE INTERIOR WALLS AND ASSOCIATED COMPONENTS WILL BE REMOVED FOR THE INSTALLATION OF NEW MATERIAL PER THE NEW LAYOUT. SEE MANUFACTURE DRAWINGS.

ALLOWABLE BLDG AREA INCREASE

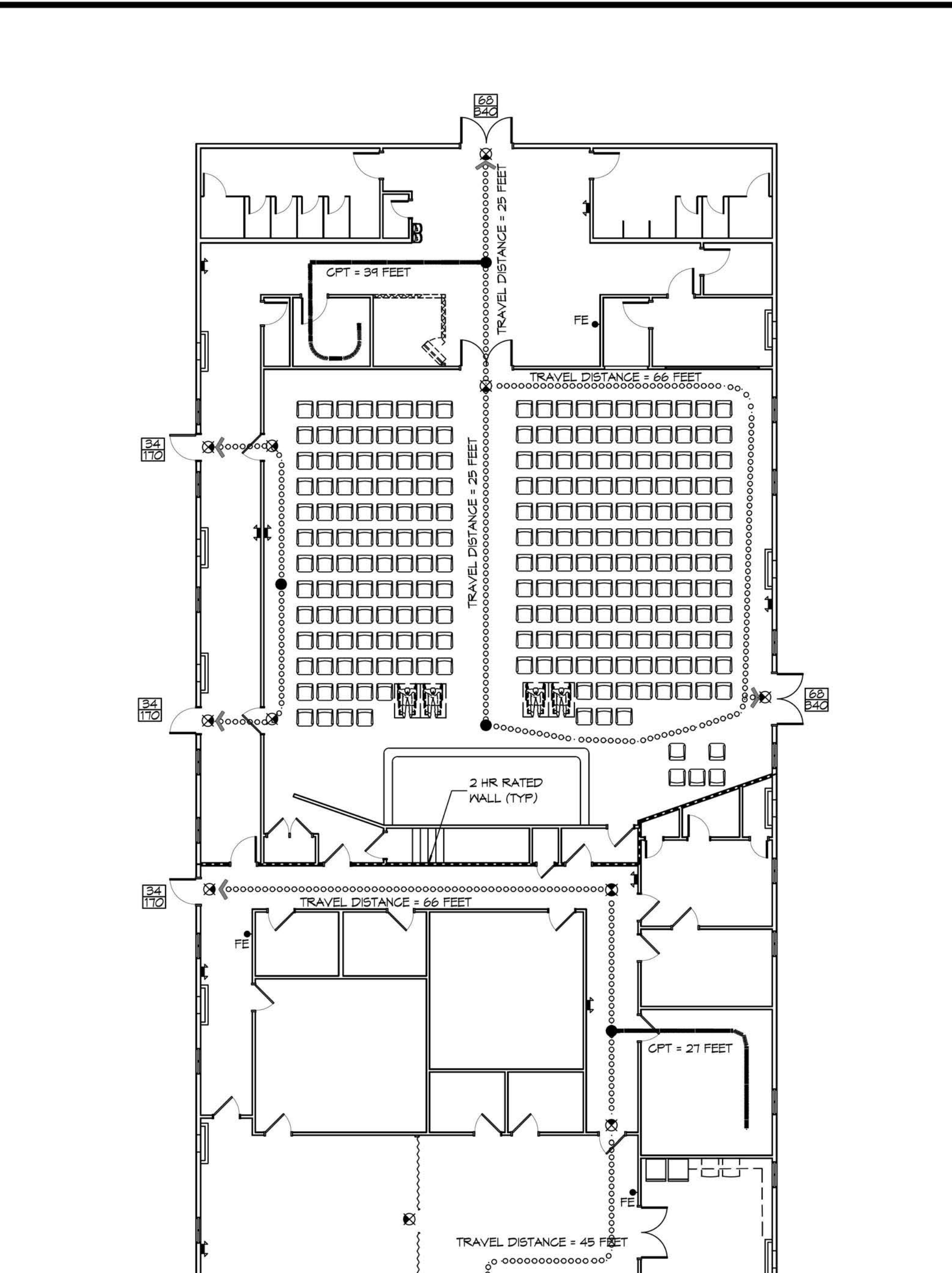
$A_f = 6,000$ s.f.
 $I_f = (F/P - 0.25) \times W/30$
 $F = 409.34ft$; $P = 409.34ft$; $W = 30ft$
 $I_f = ((409.34/409.34) - 0.25) \times (30/30)$
 $I_f = 0.75$

$A_g = [A_f + (A_f \times I_f) + (A_f \times I_g)]$
 $A_g = [6,000 + (6,000 \times 0.75)]$
 $A_g = 10,500$ s.f.

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

VICINITY MAP



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

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY: BRAD EVERETT
Brad Everett

SHEET INDEX

SHEET #	SHEET TITLE
6001	GENERAL PROJECT, LIFE-SAFETY, AND BUILDING CODE INFORMATION
6002	ACCESSIBILITY INFORMATION
C101	SITE PLAN
C102	UTILITY SITE PLAN
S101	FOUNDATION PLAN
S102	TYPICAL CONNECTIONS, DETAILS, SCHEDULES, & NOTES
A101	FLOOR PLAN
A102	ADA ACCESSIBLE RAMP PLAN AND DETAILS
A103	PORCHES, STAIRS PLANS AND DETAILS
A104	REFLECTED CEILING PLAN
P101	PLUMBING PLAN, RISER, & DETAILS
M101	MECHANICAL PLAN, SCHEDULES, & DETAILS
E101	POWER PLAN
E102	LIGHTING PLAN
E103	CIRCUIT PANELS AND ONE-LINE DIAGRAM

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

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Chief Engineer: Brian Mitchell, PE
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DATE	
REVISIONS	
#	DESCRIPTION

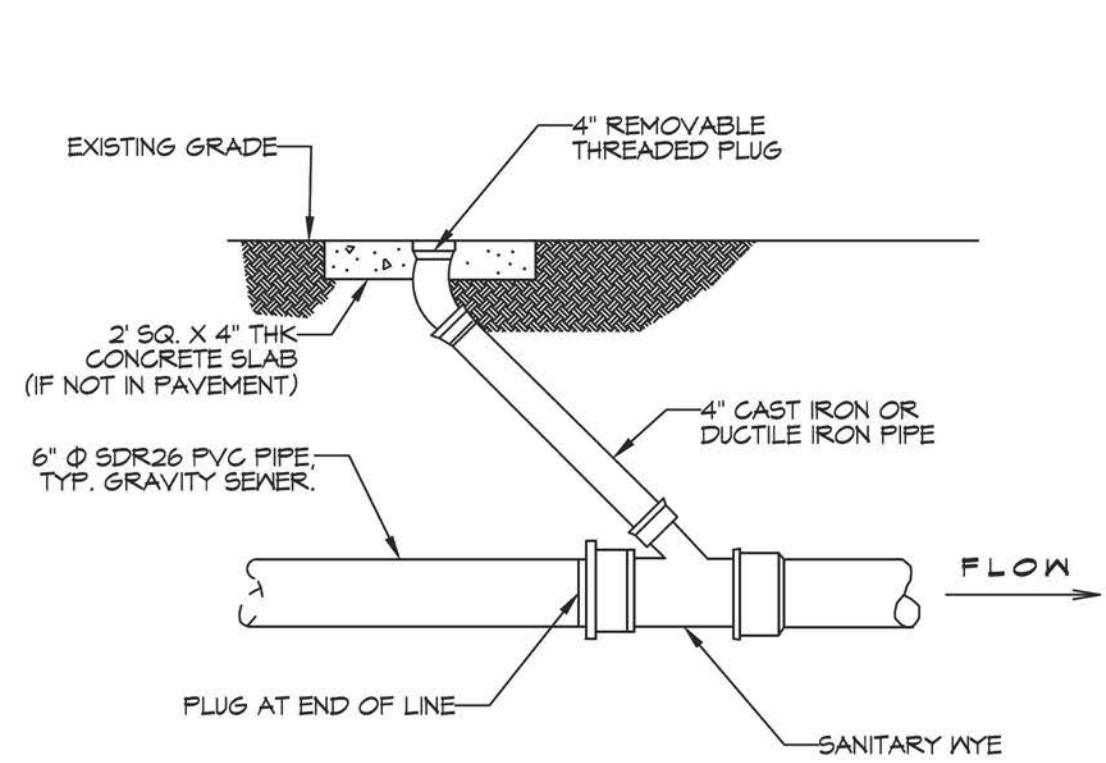
CHRISTIAN LOVE CHURCH

5770 LEGGETT ROAD
SLIDELL, LA 70460
JOB NO: 2245
DATE: 9/15/2017
DRAWN BY: JTL
CHECKED BY: JMS

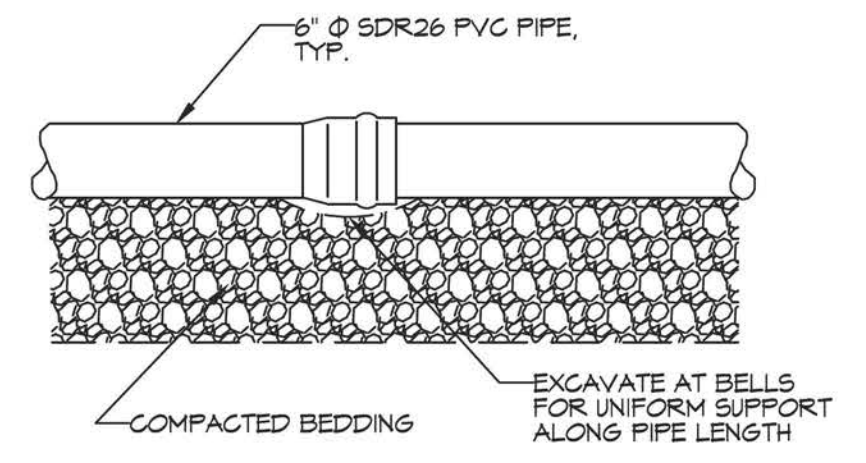
6001

SHEET TITLE: GENERAL PROJECT, LIFE-SAFETY, AND BUILDING CODE INFORMATION
DRAWING NUMBER:
SHEET No: 1 of 15

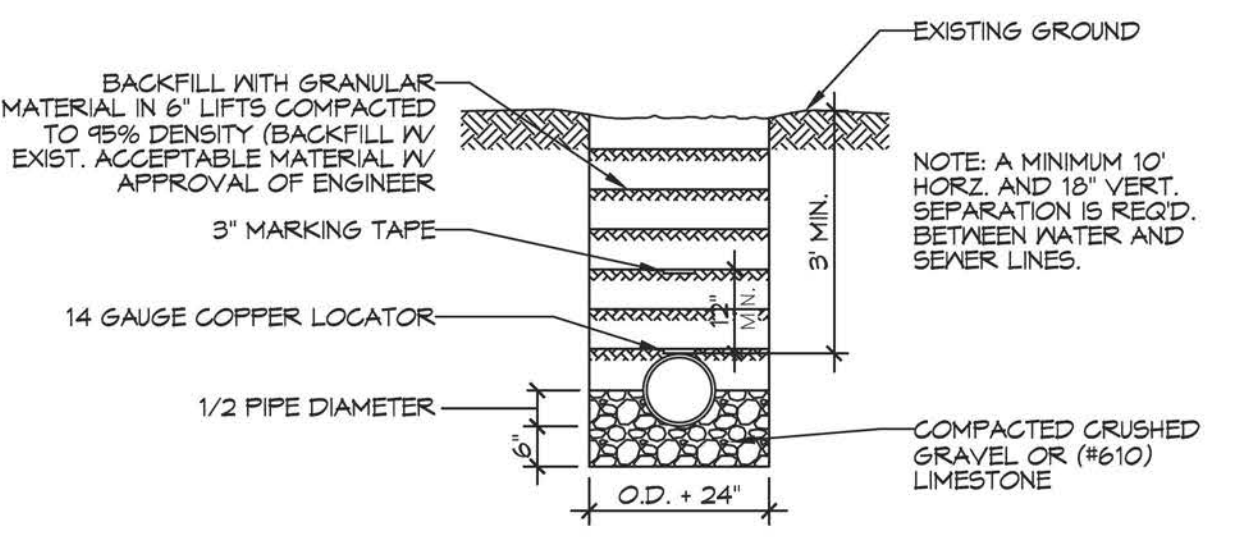
THE MAIN PLAN, ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED, SHALL BE IN FEET AND INCHES. DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE SPECIFIED. DATE: 9/15/2017. 11:08:39 AM



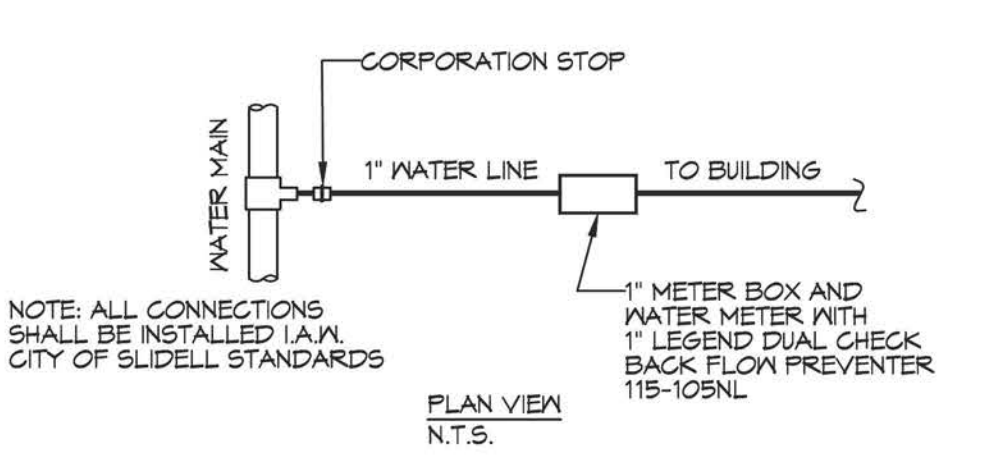
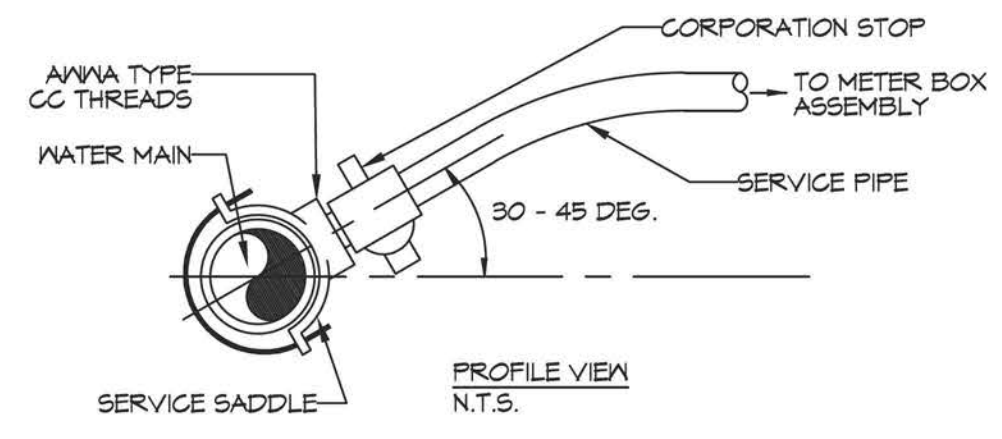
3DETAIL
SCALE: NTS
THROUGH FLOW CLEAN OUT DETAIL



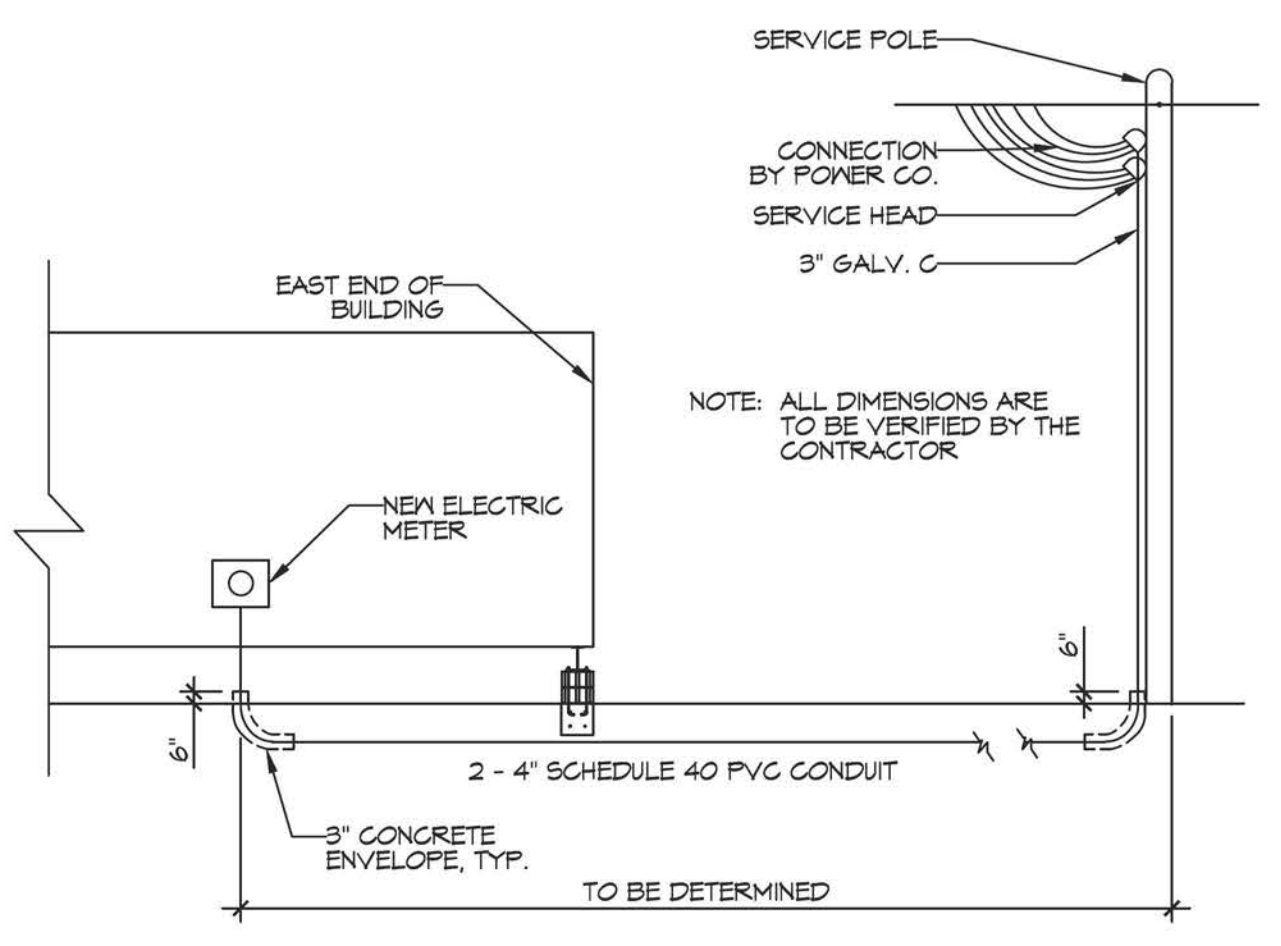
4DETAIL
SCALE: NTS
SERVICE LATERAL DETAIL



2DETAIL
SCALE: NTS
PIPE BEDDING DETAIL FOR SEWER AND WATER



5DETAIL
SCALE: NTS
WATER SERVICE DETAIL



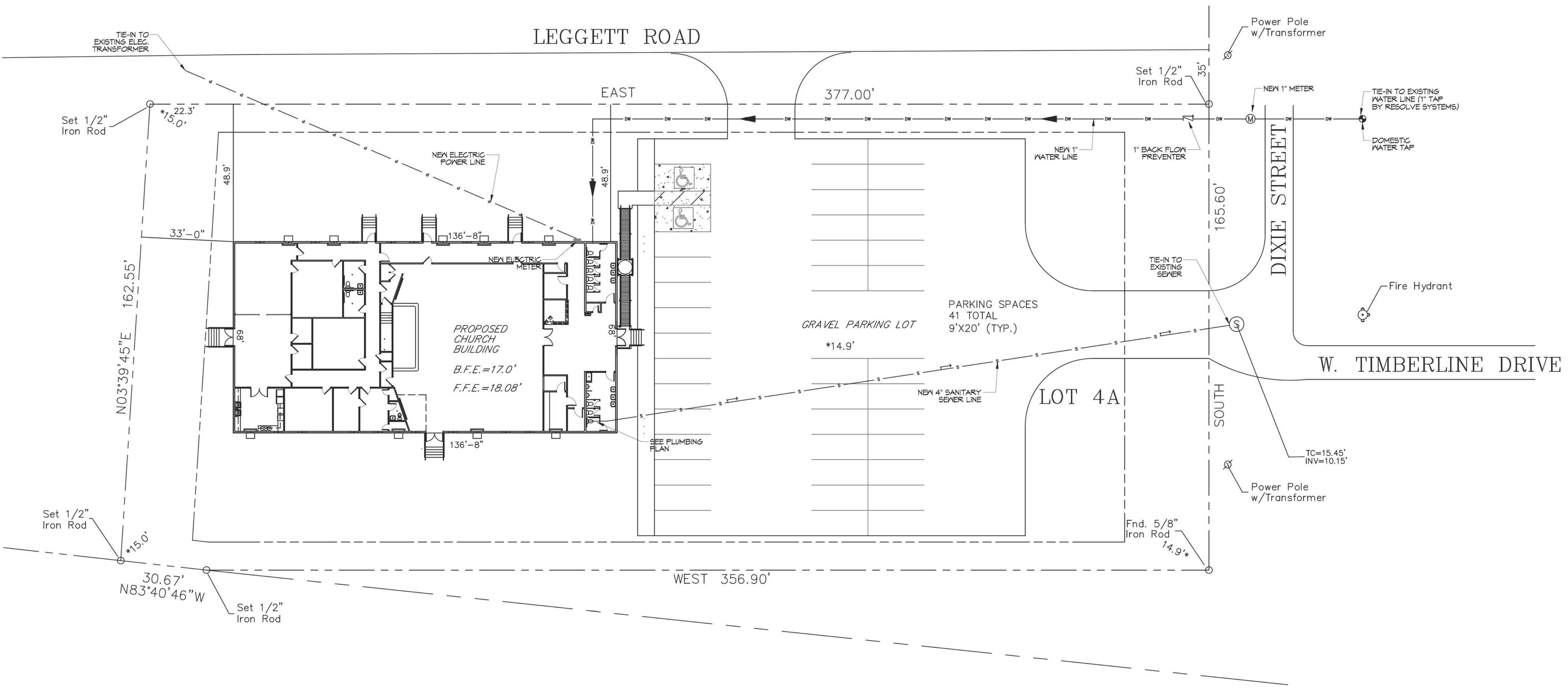
6DETAIL
SCALE: NTS
ELECTRICAL SERVICE DETAIL

GENERAL SITE UTILITIES NOTES

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

SITE UTILITIES LEGEND

- NEW WATER LINE
- NEW SEWER LINE
- NEW ELECTRICAL POWER LINE
- DIRECTION OF SLOPE
- |— CO LINE CLEAN OUT
- ▲ DIRECTION OF FLOW
- CONNECTION TO EXIST
- ⊠ CHECK VALVE (BACK FLOW PREVENTER)
- ⊙ METER (WATER OR GAS)



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

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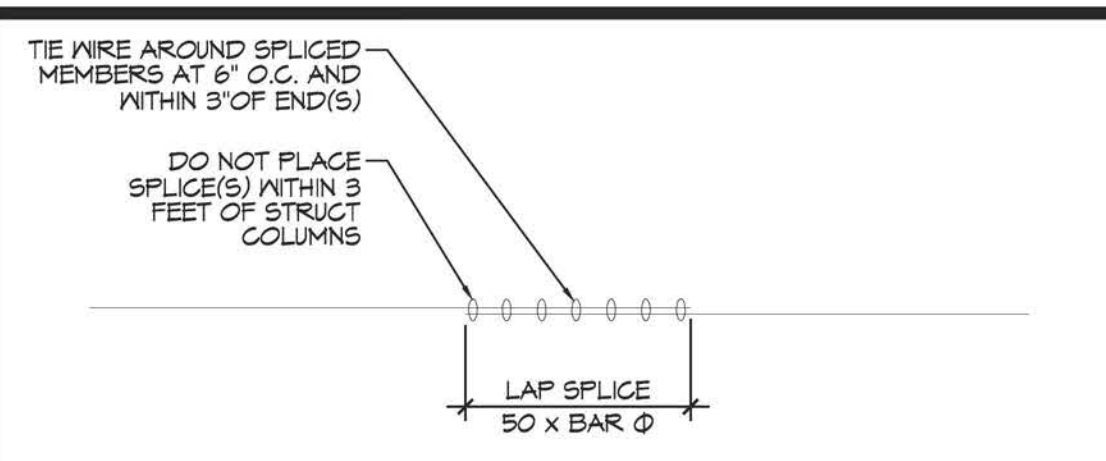
REVISIONS	DATE	DESCRIPTION



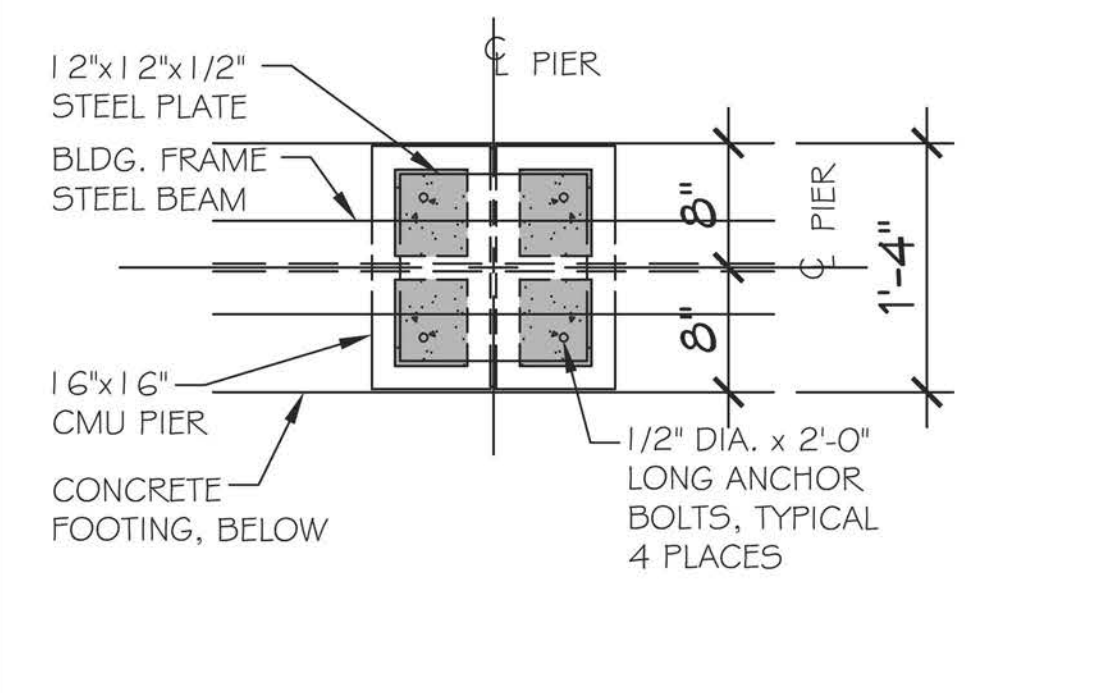
REVIEWED FOR
 STATE FIRE MARSHAL
 AS PER REVIEW LETTER
 BY: BRAD EVERETT
Brad Everett

LOVELOVE CURRISH
 9110 LEGGETT ROAD
 SLIDELL, LA 70460
 JOB No: 2295 DATE: 9/15/2017
 DRAWN BY: CXC/JTL CHECKED BY: BAY

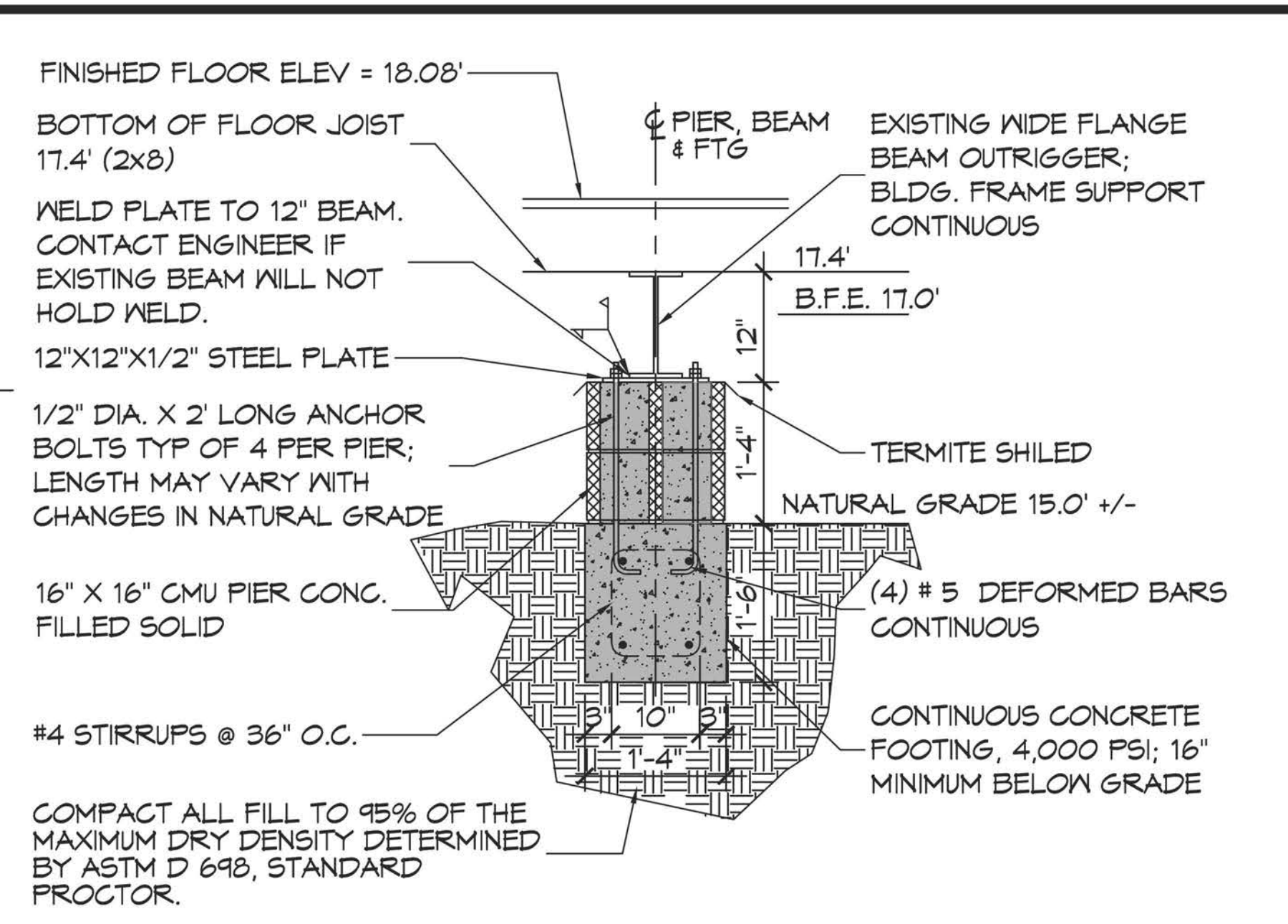
SHEET TITLE:
 SITE UTILITIES PLAN
 DRAWING NUMBER:
C102
 SHEET No: 4 of 15



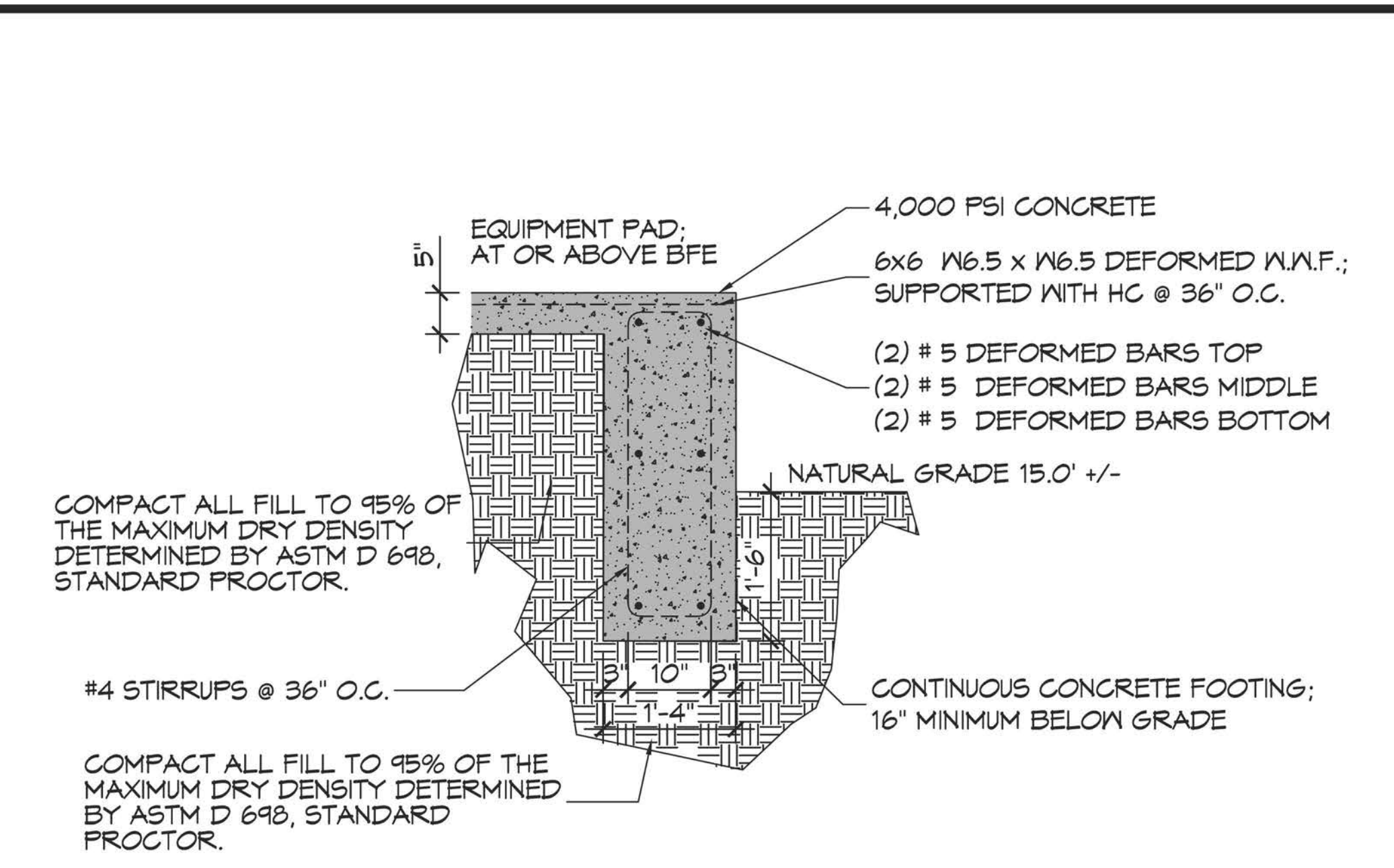
D SPLICE CONNECTION
SCALE: 1/2" = 1'-0"



A SECTION
SCALE: 1/2" = 1'-0"
PLAN VIEW BEARING GRADE BEAM

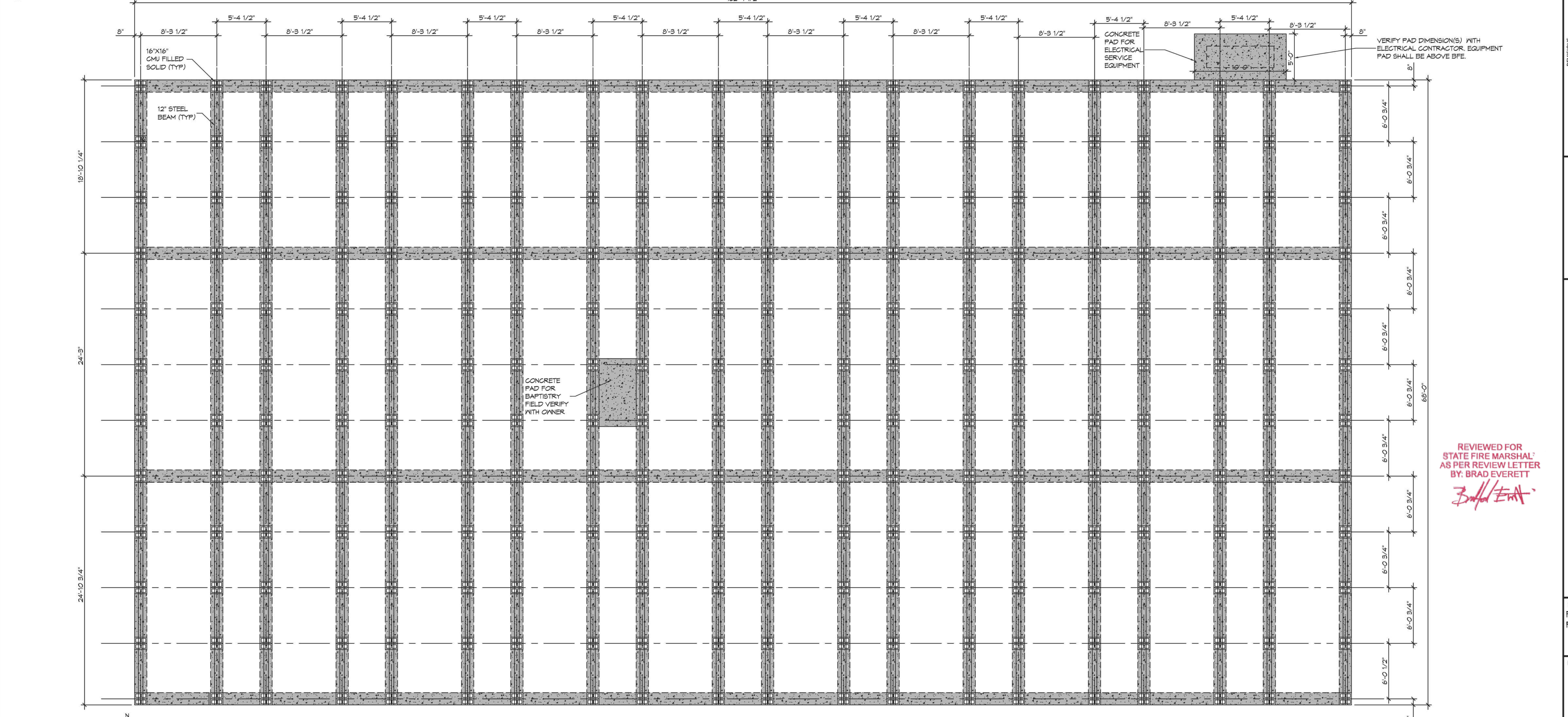


B FOUNDATION SECTION
SCALE: 1/2" = 1'-0"
INTERIOR LOAD BEARING GRADE BEAM



C FOUNDATION SECTION
SCALE: 1/2" = 1'-0"
ELECTRICAL EQUIPMENT PAD

- GENERAL FOUNDATION NOTES**
1. ALL DIMENSIONS ARE EDGE OF CONCRETE (EOC) TO EDGE OF CONCRETE (EOC) UNLESS NOTED OTHERWISE.
 2. VERIFY ALL PLUMBING ROUGH-IN LOCATIONS ON ARCHITECTURAL DWGS.
 3. CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
 4. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
 5. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE MINIMUM 15 MIL, THICKNESS; ASTM E 1745 CLASS A, PERMEANCE LESS THAN 0.01 PERMS, EQUAL TO STEGO INDUSTRIES STEGO WRAP, EGOSHELD-E 15 MIL BY EPRO, OR IRONBAR 15 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
 6. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
 7. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
 8. GRADE BEAM DIMENSIONS MAY VARY BY -5%, +20%.
 9. ALL SOIL BELOW SLAB SHALL RECEIVE TERMITE TREATMENT.

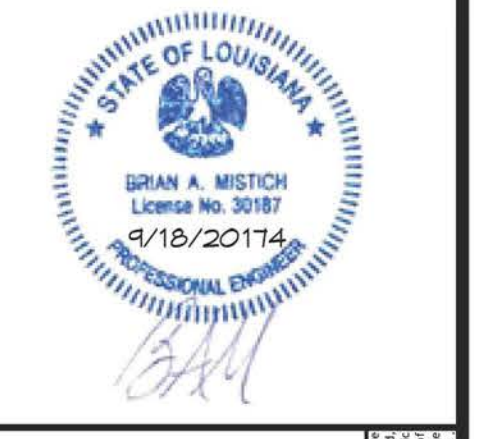


1 FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

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REVISIONS	DATE	#	DESCRIPTION



CHRISTIAN LOVE CHURCH

5770 LEGGETT ROAD
SLIDELL, LA 70460

JOB No: 2245 DATE: 9/15/2017
DRAWN BY: BAY
CHECKED BY: C&D

SHEET TITLE:
FOUNDATION PLAN

DRAWING NUMBER:
S101

SHEET No: 5 of 15

REVIEWED FOR STATE FIRE MARSHAL AS PER REVIEW LETTER BY: BRAD EVERETT

Brad Everett

TABLE S601.7 - UPLIFT CONNECTIONS - 140 MPH WINDS EXP "C"
WFCM 2015 TABLE 9.2 & A.3.4

CONNECTION	FRAMING SPACING (INCHES)	ROOF SPAN (FEET)	UPLIFT	ROOF SPAN (FT)	FRAMING SPACING (INCHES)	NUMBER OF 8d COMMON NAILS OR 10d BOX NAILS IN EACH END OF 1-1/4"x20 GAGE STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY; WALL ASSEMBLY TO WALL ASSEMBLY; WALL ASSEMBLY TO FOUNDATION	24"	16"	4	24	16"	4
				24	24"	6

TABLE S601.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 140 MPH WIND EXP "C"
WFCM 2015 TABLE 9.2C

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING UPLIFT LOADS	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		8' END ZONES	INTERIOR ZONES
1 - 3 STORIES	30 INCHES ON CENTER	35 INCHES ON CENTER	

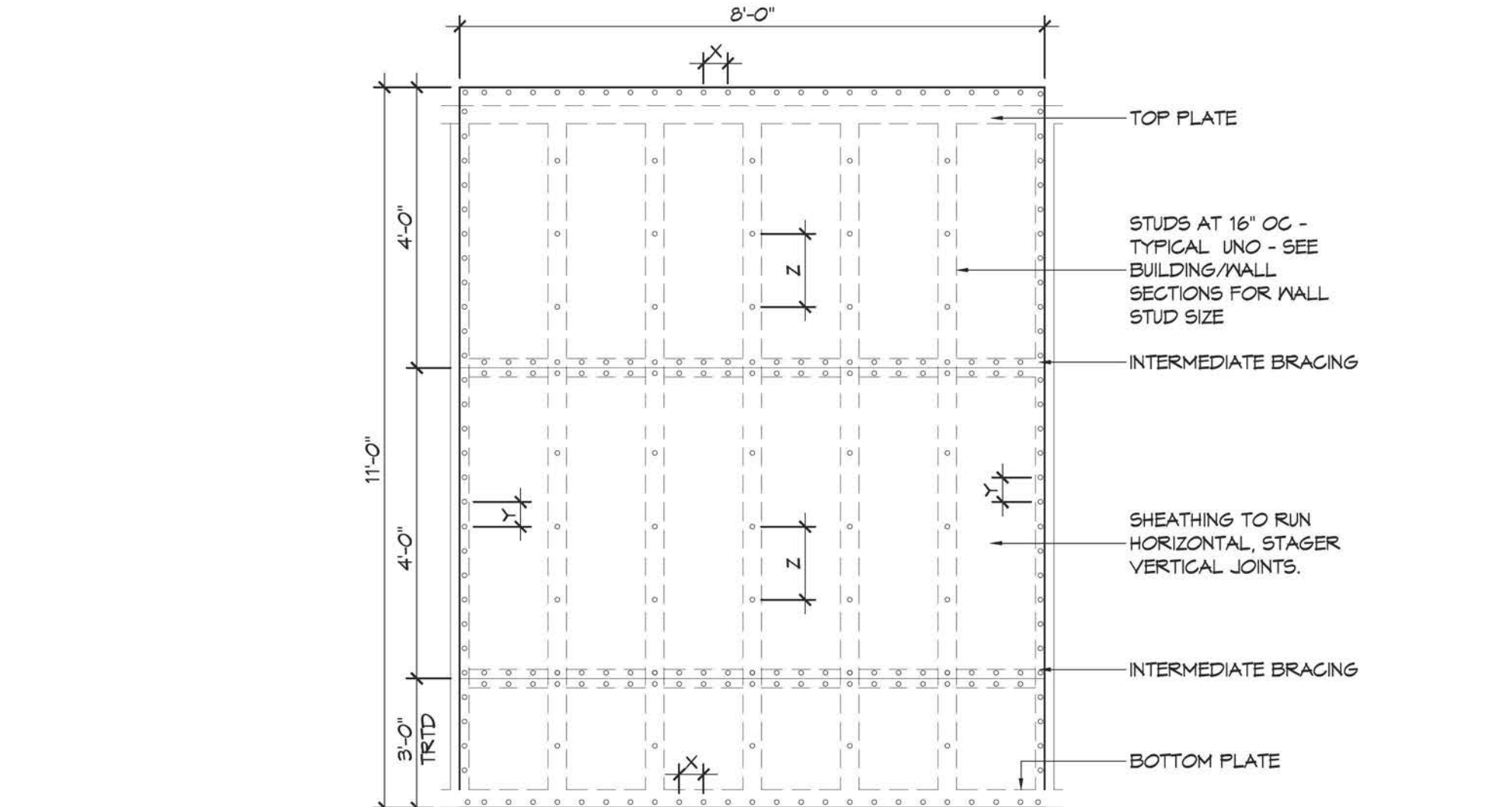
NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

TABLE S601.9 - BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING SHEAR & LATERAL LOADS - ALL WINDS & ALL EXPOSURES
WFCM 2015 TABLE 9.2B

ANCHOR BOLT DIAMETER (IN)	1/2" Ø ANCHOR BOLT	5/8" Ø ANCHOR BOLT
MAXIMUM ANCHOR BOLT SPACING (INCHES)	31 INCHES	48 INCHES

TABLE S601.10 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE B & C
WFCM 2015 TABLE 9.23C

HEADER SPAN (FEET)	WALL 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



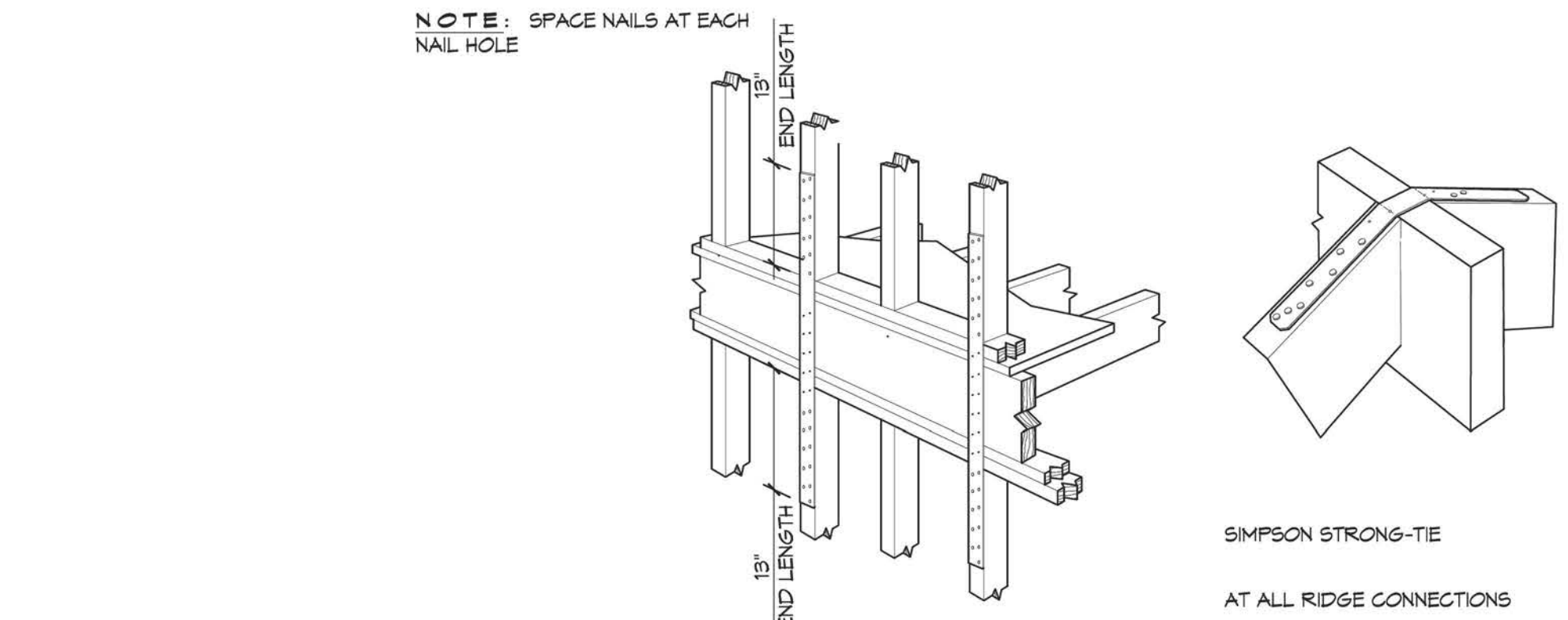
NAIL SPACING
X = 4" OC
Y = 4" OC
Z = 12" OC

X = PLATE EDGE NAIL SPACING
Y = LONG EDGE NAIL SPACING
Z = FIELD NAIL SPACING

INTERIOR SHEATHING
1/2" PLYWOOD EACH FACE STAGGERED 48" OC. W/8d NAILS @ 4" O.C. FASTENING @ 12" O.C. FASTENING @ INTERMEDIATE MEMBERS.

EXTERIOR SHEATHING
1/2" PLYWOOD EACH FACE STAGGERED 48" OC. W/8d NAILS @ 4" O.C. FASTENING @ 12" O.C. FASTENING @ INTERMEDIATE MEMBERS.

H SHEAR WALL EXTERIOR SHEATHING NAILING PATTERN



1 TYPICAL CONNECTION DETAILS
SCALE: NTS

TABLE S601.5 - JACK STUD REQ - INT LOADBearing WALLS

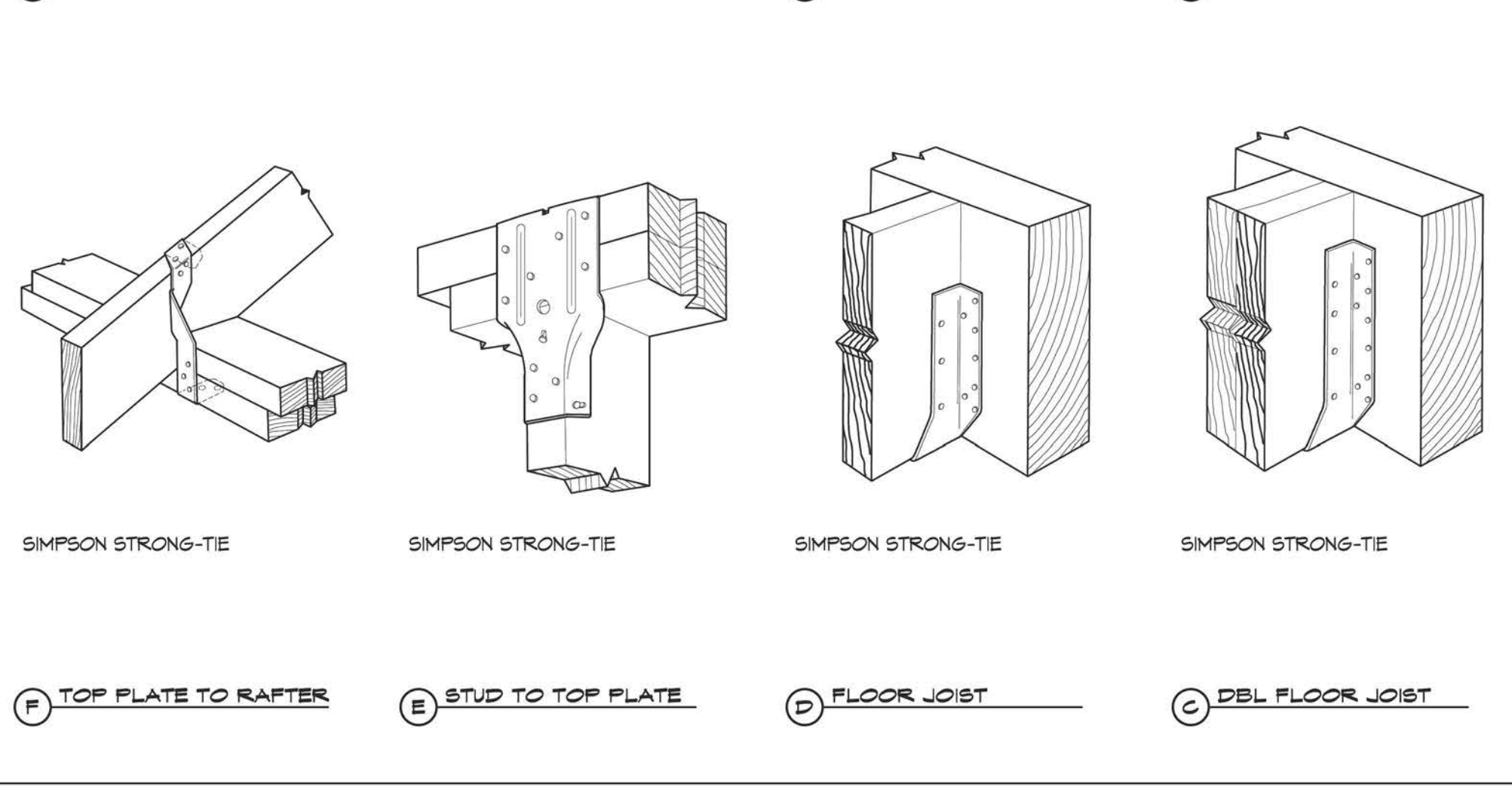
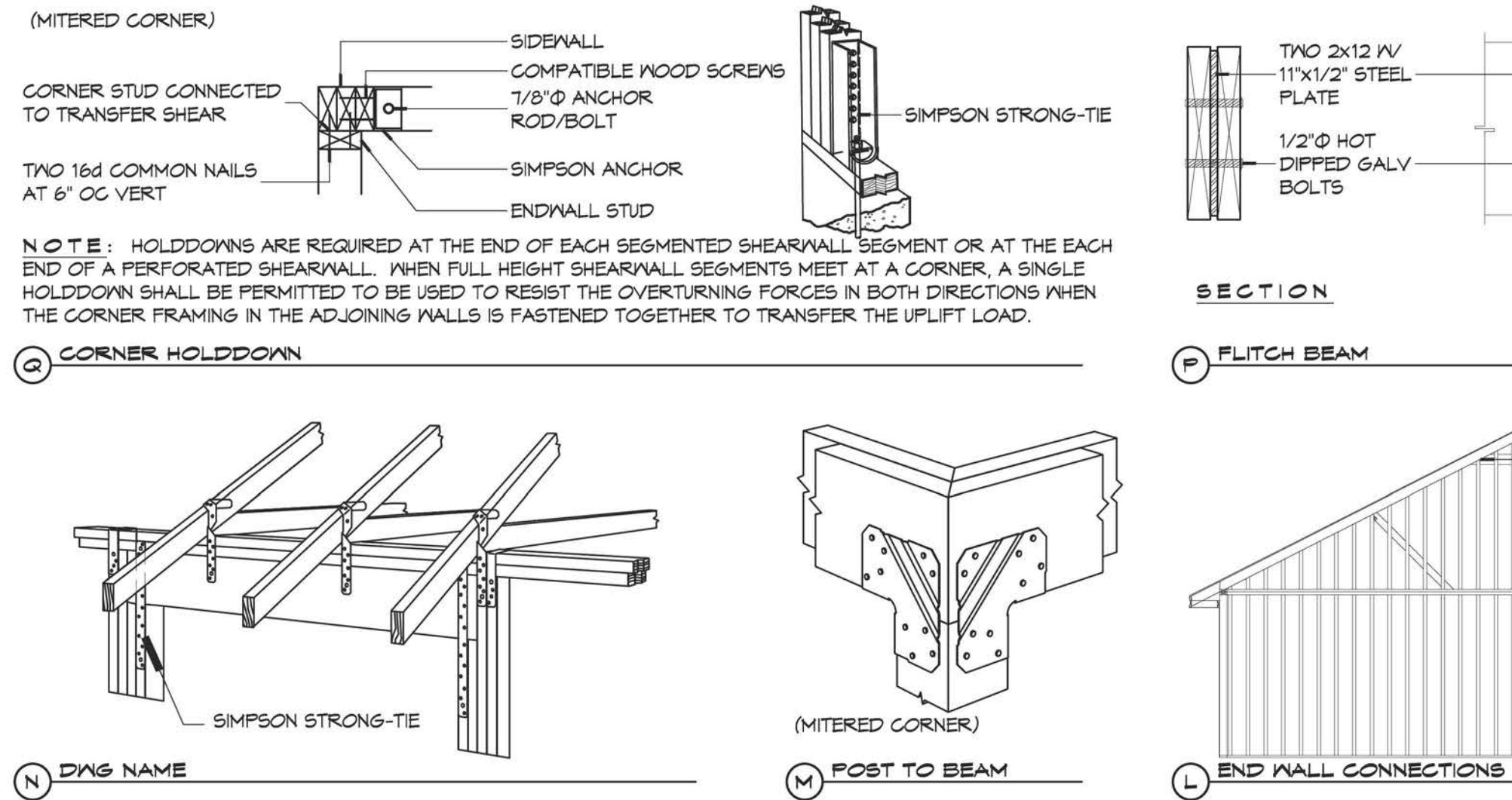
HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)											
		12 FEET				24 FEET				36 FEET			
		3'	4.5'	5'	6.5'	3'	4.5'	5'	6.5'	3'	4.5'	5'	6'
ONE FLOOR ONLY (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1	2	1	1	1
	8	1	1	1	1	2	1	1	1	2	2	2	1
	10	1	1	1	1	2	2	1	1	3	2	2	2
	12	1	1	1	1	2	2	2	1	3	2	2	2
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	3	2	2	2	
	6	2	1	1	1	3	2	2	4	3	2	2	
	8	2	2	1	1	3	2	2	5	3	3	3	
	10	2	2	2	1	4	3	3	6	4	4	3	
	12	3	2	2	2	5	3	3	7	5	4	4	

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

TABLE S601.6 - JACK STUD REQ - EXTERIOR LOADBearing WALLS
WFCM 2015 TABLE 9.22F

ROOF AND CEILING	HEADER SPAN (FT)	ROOF LIVE LOAD 20 PSF							
		ROOF LIVE LOAD 20 PSF				ROOF LIVE LOAD 30 PSF			
		3'	4.5'	5'	6.5'	3'	4.5'	5'	6.5'
ROOF AND CEILING	2	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1
	6	2	1	1	1	2	1	1	1
	8	2	2	2	1	2	2	2	1
	10	3	2	2	2	3	2	2	2
	12	3	2	2	2	3	2	2	2
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1
	6	2	2	2	1	3	2	2	2
	8	3	2	2	2	4	3	2	2
	10	4	3	2	2	5	3	3	2
	12	4	3	3	2	5	3	3	3

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



1 TYPICAL CONNECTION DETAILS
SCALE: NTS

TABLE S601.3 - NAILING SCHEDULE
WFCM 2015 TABLE 3.1

DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	SPACING
HEADER TO HEADER (FACE NAILED)	16d	16d	16" OC EDGES

TABLE S601.4 - BUILDING ENVELOPE REQUIREMENTS

ROOFS	OPAQUE ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
ROOFS	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-38
WALLS, ABOVE GRADE	MASS	U-0.151	R-5.7 C.I.
	METAL BUILDING	U-0.113	R-19.0
	STEEL-FRAMED	U-0.124	R-19.0
FLOORS	WOOD-FRAMED AND OTHER	U-0.089	R-19.0
	MASS	U-0.107	R6-3 C.I.
	STEEL JOIST	U-0.052	R-19.0
SLAB-ON-GRADE	WOOD FRAMED AND OTHER	U-0.051	R-19.0
	UN-HEATED	F-0.130	NR
OPAQUE DOORS	SWINGING	U-0.700	NR
	NON-SWINGING	U-1.450	NR

TABLE S601.4 - BUILDING ENVELOPE REQUIREMENTS

ROOFS	OPAQUE ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
ROOFS	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-38
WALLS, ABOVE GRADE	MASS	U-0.151	R-5.7 C.I.
	METAL BUILDING	U-0.113	R-19.0
	STEEL-FRAMED	U-0.124	R-19.0
FLOORS	WOOD-FRAMED AND OTHER	U-0.089	R-19.0
	MASS	U-0.107	R6-3 C.I.
	STEEL JOIST	U-0.052	R-19.0
SLAB-ON-GRADE	WOOD FRAMED AND OTHER	U-0.051	R-19.0
	UN-HEATED	F-0.130	NR
OPAQUE DOORS	SWINGING	U-0.700	NR
	NON-SWINGING	U-1.450	NR

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 14 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 LAPPED 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.

METAL ROOF APPLICATION & FASTENING NOTES

- INSTALL METAL ROOF PER MANUFACTURERS RECOMMENDATIONS FOR 150MPH WIND SPEED.

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 S601.10.

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 S601.11.

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 7 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 G185 OR 2450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.12.

TABLE S601.1 - ROOF SHEATHING ATTACHMENT REQUIREMENT - WIND LOAD EXP "C"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	E F	
		MAX NAIL SPACING FOR 8d COMMON NAILS (INCHES OC)	MAX NAIL SPACING FOR 10d BOX NAILS (INCHES OC)
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	6
	16" OC	4	4
	24" OC	3	3

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

TABLE S601.1 - WALL SHEATHING AND CLADDING REQUIREMENT - WIND LOAD EXP "C"

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

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

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DATE	REVISIONS	# DESCRIPTION



REVOLUTIONARY

9770 LEGGETT ROAD
SLIDELL, LA 70568
JOB NO: 2245
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CHECKED BY: GCP
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DRAWING NUMBER: **S102**
SHEET No: 6 of 15