

LIFE-SAFETY INFORMATION

APPLICABLE CODES	
NFPA 101 LIFE-SAFETY CODE 2015	
OCCUPANCY TYPE(S) AND CHAPTER(S)	
BUSINESS (CHAPTER 38)	
STORAGE (CHAPTER 42)	
MULTIPLE, MIXED, OR SEPARATE OCCUPANCY (REFERENCE CHAPTER 6)	
MIXED	
OCCUPANT LOAD FACTOR (REFERENCE TABLE 7.3.1.2)	
BUSINESS 576 S.F. 100 SF PER OCCUPANT =	5.0
STORAGE 576 S.F. N/A	N/A
CLASSIFICATION OF HAZARD OF CONTENTS	
(REFERENCE: OCCUPANCY CHAPTER AND 6.2.2: SPECIFY LOW, ORDINARY, OR HIGH) ORDINARY	
CONSTRUCTION TYPE(S) (REFERENCE: CHAPTERS, TABLE A.5.2.1.2 AND COMMENTARY TABLE 6.1 IN HANDBOOK)	
V	
MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS	
(REFERENCE: SECTION 7.5; SPECIFY 1/2 OR 1/3 DIAGONAL DISTANCE OF AREA SERVED)	
BUSINESS SINGLE EGRESS PARAGRAPH 38.2.4.3	
STORAGE SINGLE EGRESS PARAGRAPH 42.2.4.1	
MAXIMUM DEAD-END CORRIDORS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)	
BUSINESS 20' & STORAGE 50'	
MAXIMUM COMMON PATH OF TRAVEL DISTANCE (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)	
BUSINESS 75' & STORAGE 50'	
MAXIMUM TRAVEL DISTANCE TO EXITS (REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)	
BUSINESS 200' & STORAGE 200'	

DETECTION, ALARM, AND COMMUNICATION SYSTEMS	NO
ALLOWABLE HEIGHT AND BUILDING AREA	PER IBC EQUIVALENT CONSTRUCTION TYPE

BUILDING CODE INFORMATION

APPLICABLE CODES	
IBC 2021	
BUSINESS GROUP B	(IBC 2021 CHAPTER 13)
STORAGE GROUP S1	
OCCUPANT LOAD CALCULATIONS (TABLE 1004.1.1)	
BUSINESS =	576 SQ FT 100 SF PER OCCUPANT (GROSS) 6 OCCUPANTS
STORAGE =	576 SQ FT 500 SF PER OCCUPANT (GROSS) 1 OCCUPANTS
CONSTRUCTION TYPE(S) (TABLE 504)	
VB (SECTION 504)	
ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION	
MAXIMUM HEIGHT IN STORIES (SECTION 504.4)	B=2; S1=1
MAXIMUM AREA IN SQUARE FEET (SECTION 503, 506 & 507, TABLE 503)	B=9000; S1=9000
	BLDG AREA = 1,152

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 (1), (2), OR (3) DEPENDING ON THE RISK CATEGORY

WIND SPEED V_{ult} (3 SECOND GUST) = 132 MPH (IBC FIG. 1609.3(1))

NOMINAL DESIGN WIND SPEED V_{asd} = 110 MPH ($V_{ult} \times (0.8)^{1/2}$)

RISK CATEGORY: CATEGORY II BLDG SURFACE ROUGHNESS = C

TOPOGRAPHIC FACTOR = 1 EXPOSURE = C

DESIGN WIND PRESSURE (ASCE 7-10 TABLE 26.6-1): 23.7 PSF

INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1): ± 0.18

LIVE LOADS (IBC SEC 1607)

OFFICE LOBBIES & CORRIDORS 1ST FLOOR (IBC TABLE 1607.1): 100 PSF

OFFICES (IBC TABLE 1607.1): 50 PSF

ROOF LIVE LOADS (IBC TABLE 1607.1): 20 PSF UNIFORM, 300 LB CONCENTRATED

SNOW LOADS (IBC SEC 1608):

GROUND SNOW LOAD (IBC FIG. 1608.2): 5 PSF

FLOOD ZONE INFORMATION

BASED ON R.W. KREBS THIS PROPERTY IS IN FLOOD ZONE "X"

FIRM, COMMUNITY NO. 225203 0204 F

FLOOD ZONE: X BASE FLOOD ELEVATION: N/A

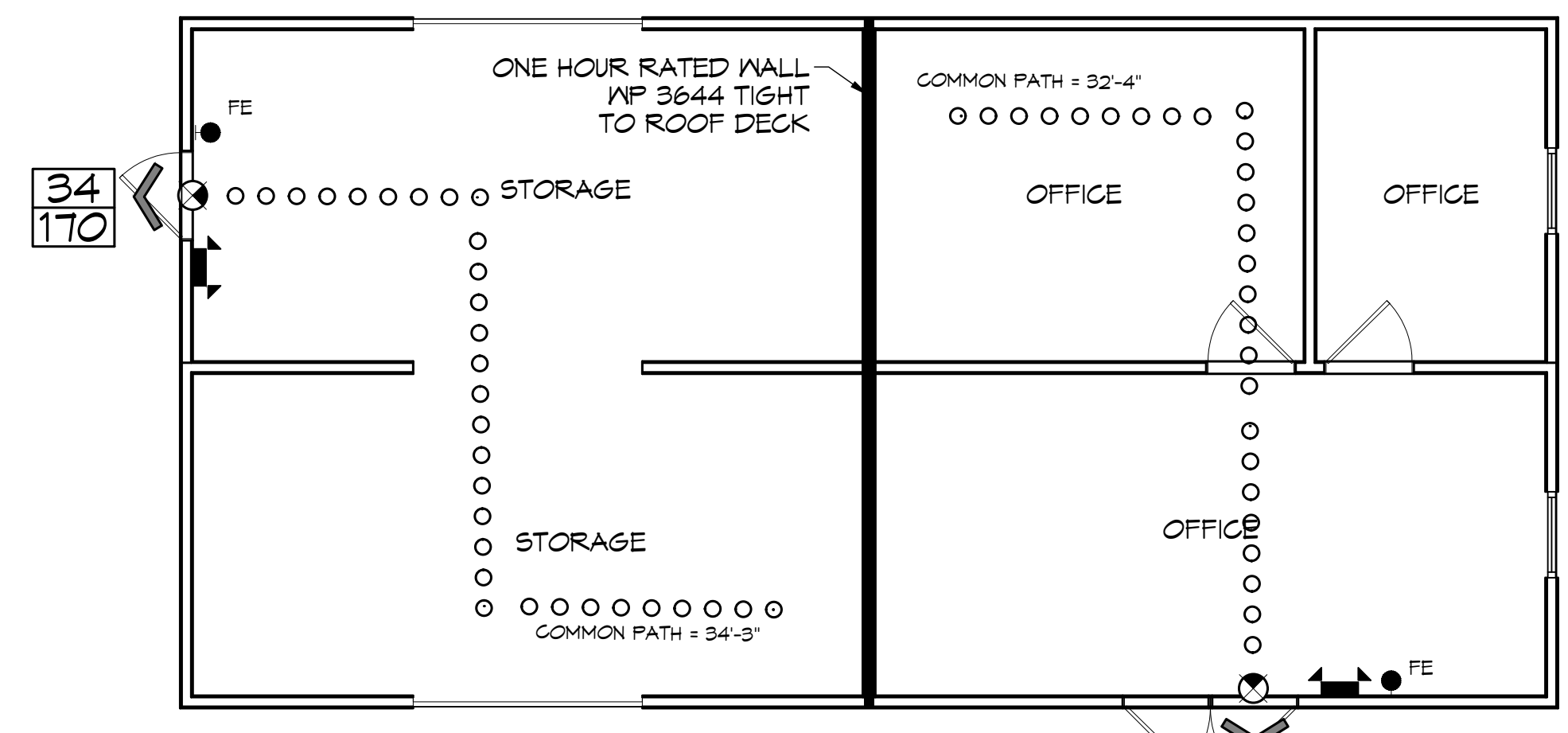
LIFE-SAFETY LEGEND

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

PROJECT DESCRIPTION

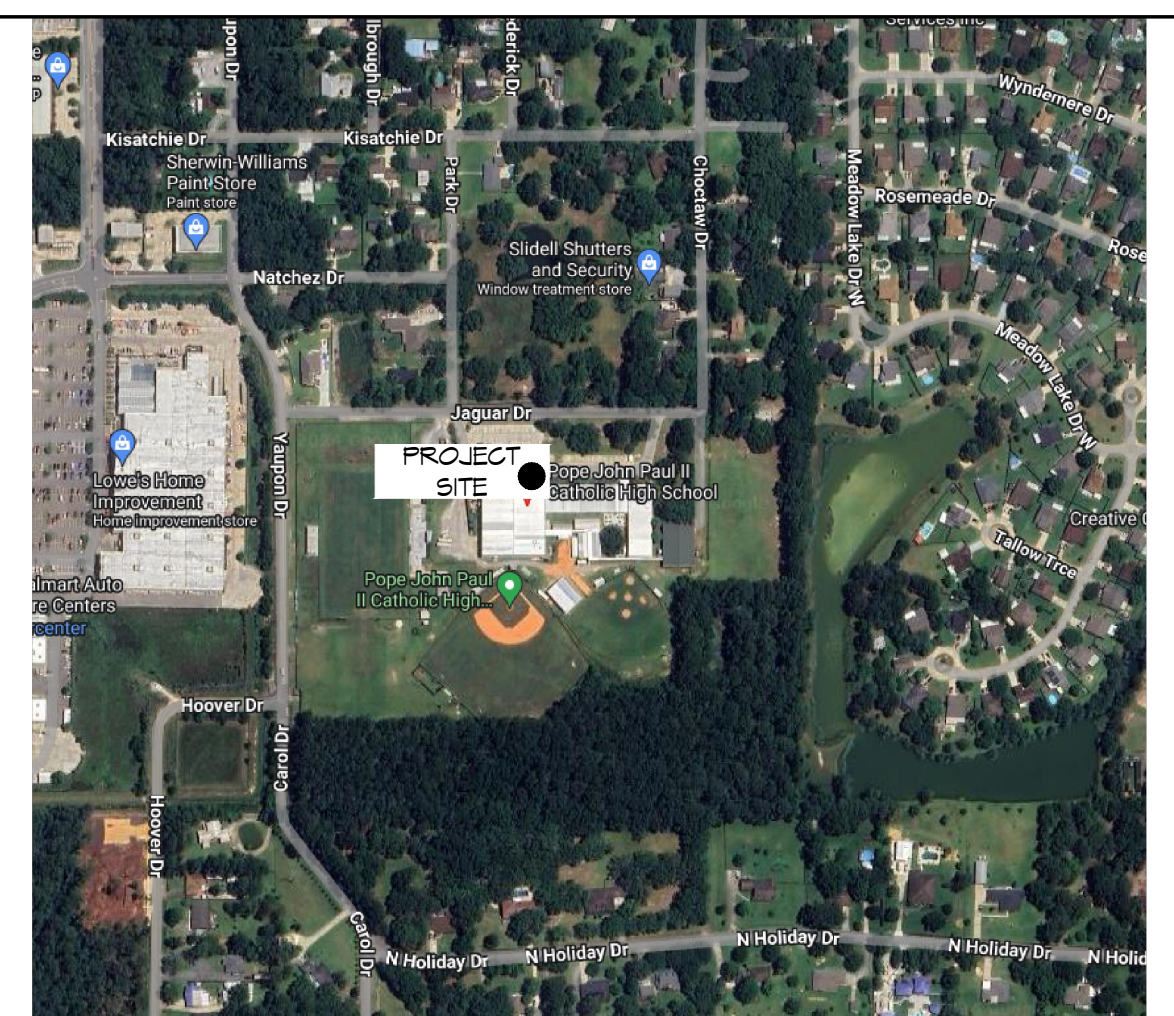
THIS IS AN EXPANSION OF A EXISTING 576 SQ. FT. WOOD FRAMED BLDG WITH AN ADDITION OF 576 SQ. FT. WOOD FRAMED ADDITION THAT BRINGS THE TOTAL SQ. FT. TO 1,152 SQ. FT. THIS WILL BE DIVIDED INTO TWO AREAS WITH A 1 HR FIRE RATED WALL CREATING A 576 SQ. FT. OF OFFICES AND 576 S.F.T. STORAGE.

POPE JOHN PAUL II CATHOLIC HIGH SCHOOL



LIFE-SAFETY PLAN
SCALE: 3/16" = 1'-0"
68
340

VICINITY MAP



SHEET INDEX

SHEET #	SHEET TITLE
G101	GENERAL INFORMATION SHEET
C101	PROPOSED PARTIAL SITE PLAN
C102	DRAINAGE PLAN
S101	FOUNDATION AND BUILDING SECTION
S102	TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES
A101	FLOOR PLAN
A102	BUILDING ELEVATIONS AND ROOF PLAN
M101	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 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 ENGINEER 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.
- 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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#	DESCRIPTION	DATE



SCHOOL BUILDING

POPE JOHN PAUL II CATHOLIC HIGH SCHOOL

1901 JAGUAR DRIVE
SLIDELL, LA 70461

DATE: 06-25-2024
DRAWN BY: GSKP
CHECKED BY: GSKP

SHEET TITLE:
GENERAL INFORMATION SHEET

DRAWING NUMBER:
G101

SHEET No: 1 of 9

TABLE S601.7 - UPLIFT CONNECTIONS - 130 MPH WINDS EXP "C"
NFCM 2015 TABLE 3.2

CONNECTION	FRAMING SPACING (INCHES)	ROOF SPAN (FEET)	UPLIFT	LATERAL	SHEAR	NUMBER OF 8d COMMON NAILS OR 10d BOX NAILS IN EACH END OF 1-1/4" X 20 GAGE STRAP
ROOF ASSEMBLY TO WALL ASSEMBLY	16" OC	16	401	292	152R	4
WALL ASSEMBLY TO FOUNDATION	16" OC	16	224	219	436	4

TABLE S601.8 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 130 MPH WIND EXP "C"
NFCM 2015 TABLE 3.2C

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	25 INCHES ON CENTER	30 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 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING SHEAR LOADS - 130 MPH WIND EXP "C"
NFCM 2015 TABLE 3.2B

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		5/8" Ø ANCHOR BOLTS	48 INCHES ON CENTER W/3X3X1/4" WASHER
UPLIFT LOADS	4 STORY		

TABLE S601.10 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXPOSURE "C"
NFCM 2015 TABLE 3.23C

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

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
	14	2	1	1	1	3	2	2	2	4	3	3	2
	16	2	2	1	1	3	2	2	2	4	3	3	2
	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 S601.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS
NFCM 2021 TABLE 3.22F

ROOF AND CEILING	HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH 1/2" PLYWOOD SPACER BETWEEN	ROOF LIVE LOAD 20 PSF				ROOF LIVE LOAD 30 PSF				
		3"	4.5"	5"	6.5"	3"	4.5"	5"	6.5"	
		NUMBER OF JACK STUDS REQUIRED								
ROOF AND CEILING	2	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1
	6	2	1	1	1	2	1	1	1	1
	8	2	2	2	1	2	2	2	1	1
	10	3	2	2	2	3	2	2	2	2
	12	3	2	2	2	3	2	2	2	2
	14	4	3	2	2	4	3	2	2	2
	16	4	3	3	2	4	3	3	2	2
	2	1	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1	1
6	2	2	2	1	3	2	2	2	2	
8	3	2	2	2	3	2	2	2	2	
10	4	3	2	2	4	3	3	2	2	
12	4	3	3	2	5	3	3	3	3	
14	5	4	3	3	5	4	3	3	3	
16	6	4	4	3	6	4	4	3	3	

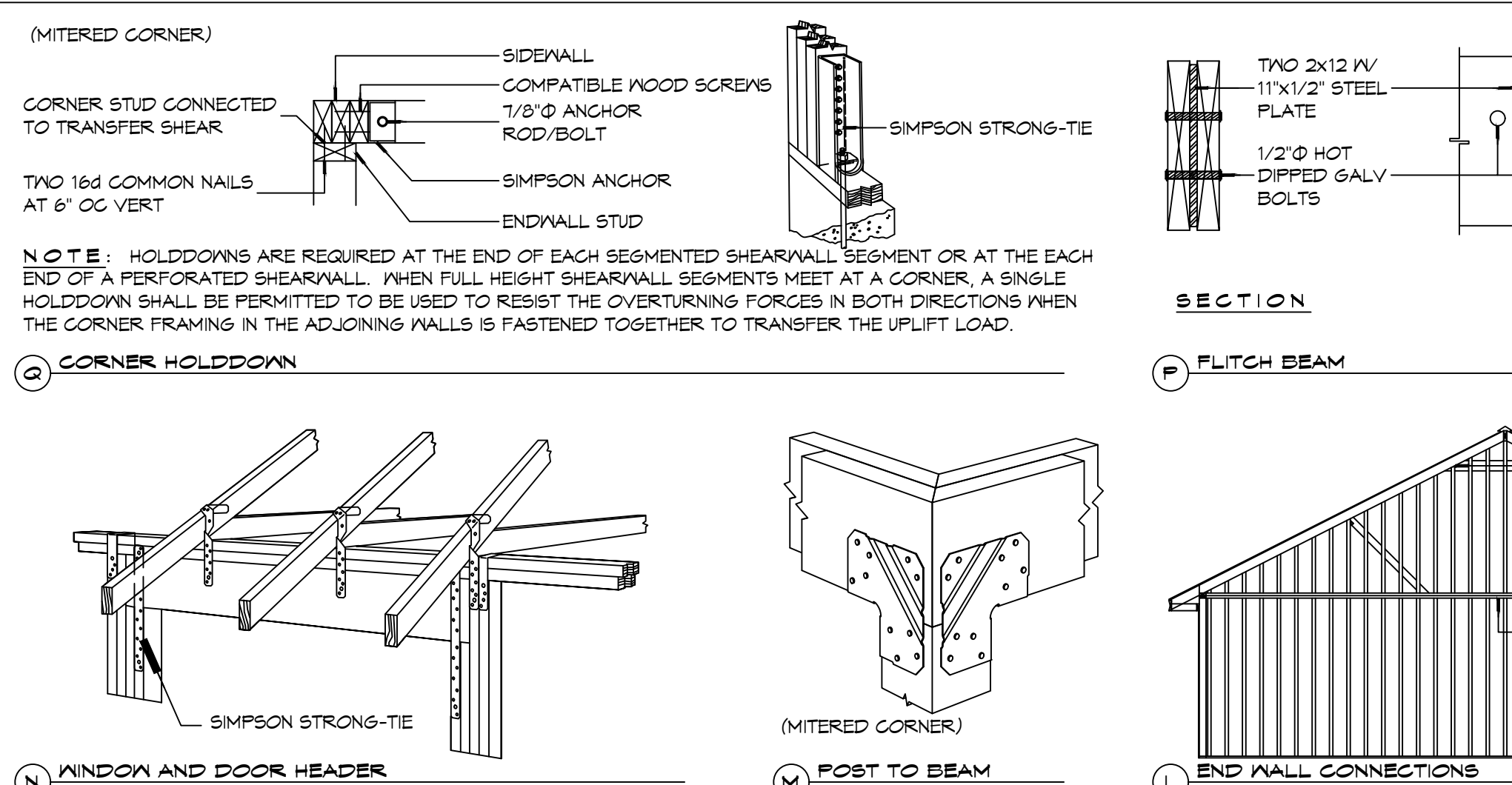
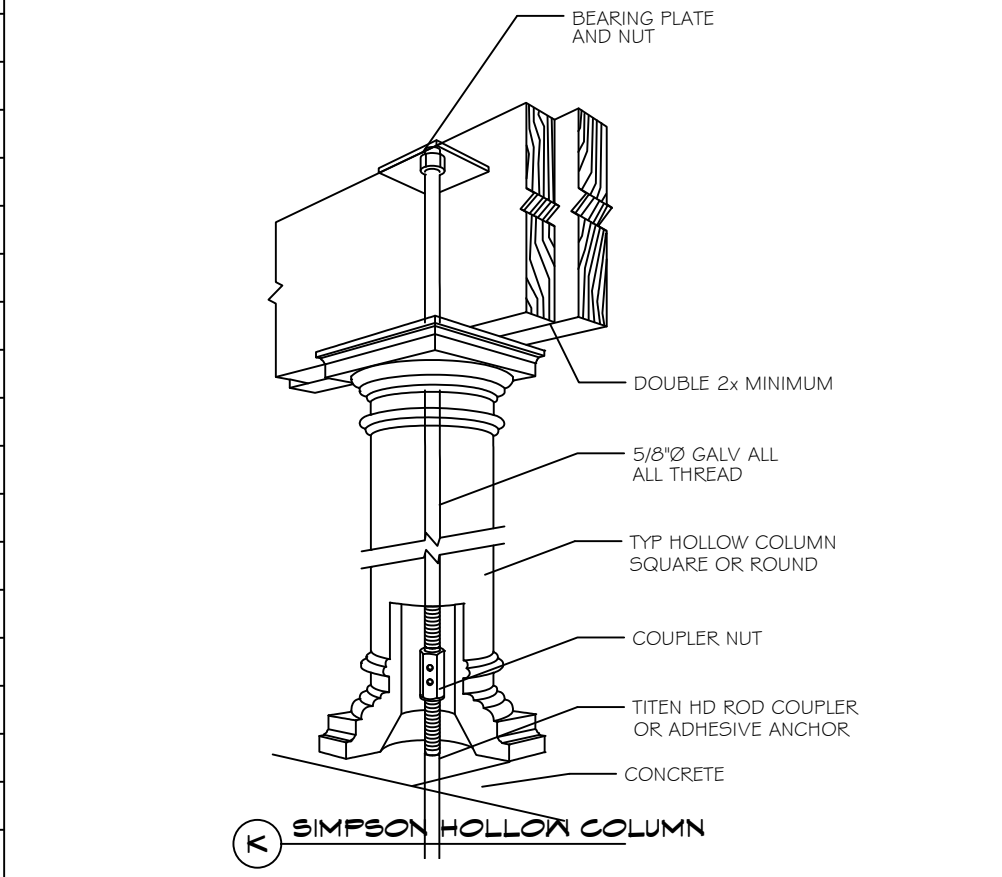


TABLE S601.3 - NAILING SCHEDULE
NFCM 2015 TABLE 3.1

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
METAL BUILDING	INSULATION ENTIRELY ABOVE DECK	U-0.048	R-20.0 G.I.
ATTIC AND OTHER		U-0.027	R-30
MASS		U-0.151	R-5.7 G.I.
METAL BUILDING		U-0.113	R-19.0
STEEL-FRAMED		U-0.124	R-19.0
WOOD-FRAMED AND OTHER		U-0.089	R-19.0
MASS		U-0.107	R6-3 G.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-0.150	NR
OPAQUE DOORS	SWINGING	U-0.700	NR
	NON-SWINGING	U-1.450	NR



METAL ROOF APPLICATION & FASTENING NOTES

1. INSTALL 26 GAUGE METAL ROOF PER MANUFACTURER'S RECOMMENDATIONS FOR 140 MPH 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 WALL STUD 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 STUD. WALL STUDS 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 G105 OR 2450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S601.12.

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

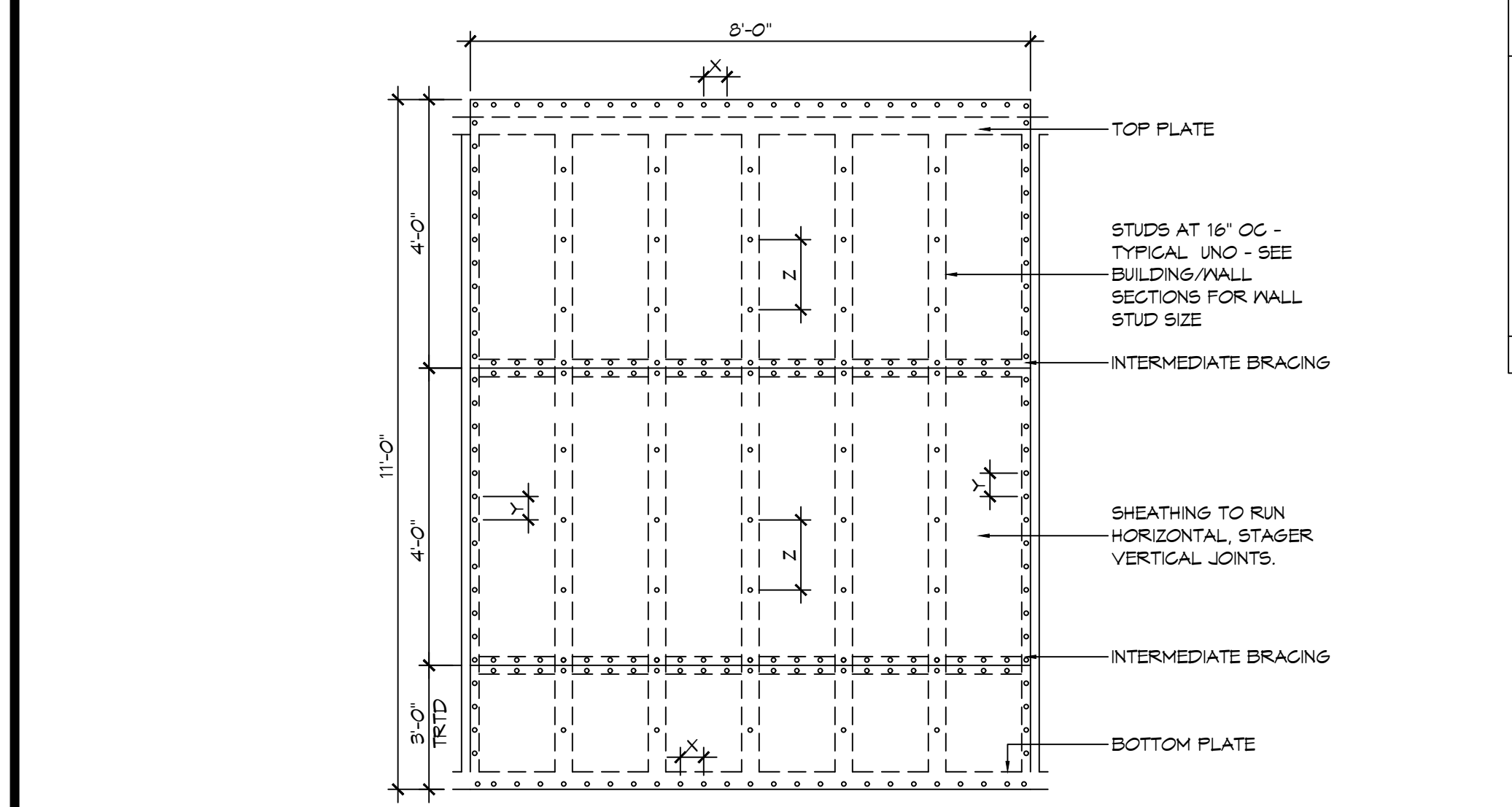
SHEATHING LOCATION	RAFTER / TRUSS SPACING	E F	
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	6
	24" OC	4	4

130 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 OR 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

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

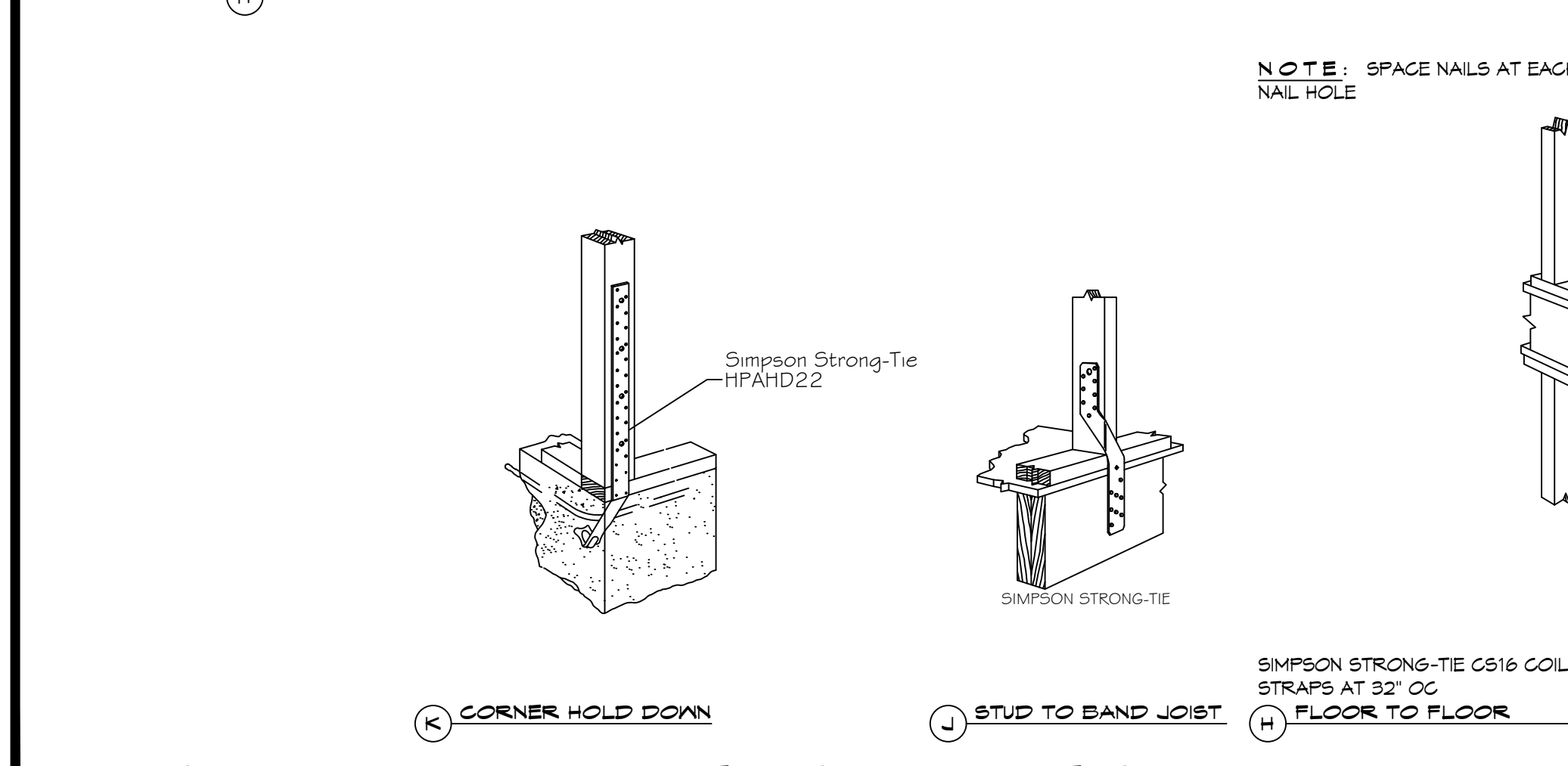


NAIL SPACING
X = 4" OC
Y = 4" OC
Z = 12" OC

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" OC FASTENING @ PANEL EDGES 8d NAILS @ 12" OC FASTENING @ INTERMEDIATE MEMBERS.

EXTERIOR SHEATHING
5/8" PLYWOOD EACH FACE STAGGERED 48" OC. W/8d NAILS @ 4" OC FASTENING @ PANEL EDGES 8d NAILS @ 12" OC FASTENING @ INTERMEDIATE MEMBERS.



TYPICAL CONNECTION DETAILS
SCALE: NTS

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REVISIONS

#	DESCRIPTION	DATE

SEAL:

SCHOOL BUILDING

PAUL HIGH SCHOOL POUCH

1501 JAGUAR DRIVE
SLIDELL, LA 70461

JOB No: 06-25-2024
DATE: 06-25-2024
DRAWN BY: CKD
CHECKED BY: BAK

SHEET TITLE: TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES

DRAWING NUMBER: **S102**

SHEET No: 5 of 9

