

## LIFE-SAFETY INFORMATION

<b>APPLICABLE CODES</b>	
NFPA 101 LIFE-SAFETY CODE 2015	
OCCUPANCY TYPE(S) AND CHAPTER(S)	
BUSINESS (CHAPTER 5B)	
MULTIPLE, MIXED, OR SEPARATE OCCUPANCY	(REFERENCE CHAPTER 6)
N/A	
<b>OCCUPANT LOAD FACTOR</b>	(REFERENCE TABLE 7.3.1.2)
1,740 SF / 100 SF PER OCCUPANT =	19 OCCUPANTS
<b>CLASSIFICATION OF HAZARD OF CONTENTS</b>	
(REFERENCE: OCCUPANCY CHAPTER AND 8.2.2: SPECIFY LOW, ORDINARY, OR HIGH)	
CONSTRUCTION TYPE(S) (REFERENCE: CHAPTER 8, TABLE A.8.2.1.2 AND COMMENTARY TABLE 8.1 IN HANDBOOK)	
V B	
<b>MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS</b>	
(REFERENCE: SECTION 7.5; SPECIFY 1/2 OR 1/3 DIAGONAL DISTANCE OF AREA SERVED)	
1/3 DIAGONAL =	24'-10"
<b>MAXIMUM DEAD-END CORRIDORS</b>	(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
50'	
<b>MAXIMUM COMMON PATH OF TRAVEL DISTANCE</b>	(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
100'	
<b>MAXIMUM TRAVEL DISTANCE TO EXITS</b>	(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)
300'	
<b>EXTINGUISHMENT REQUIREMENTS</b>	
NO SPRINKLER	
<b>DETECTION, ALARM, AND COMMUNICATION SYSTEMS</b>	
NO	
<b>ALLOWABLE HEIGHT AND BUILDING AREA</b>	
PER IBC EQUIVALENT CONSTRUCTION TYPE	

## BUILDING CODE INFORMATION

<b>APPLICABLE CODES</b>	
IBC 2015	
BUSINESS GROUP B (IBC 2012 CHAPTER 19)	
<b>OCCUPANT LOAD CALCULATIONS</b> (TABLE 1004.1.1)	
BUSINESS =	1,740 SQ FT 100 SF PER OCCUPANT (GROSS) 19 OCCUPANTS
CONSTRUCTION TYPE(S) (TABLE 504)	
V B (SECTION 504)	
<b>ALLOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION</b>	
MAXIMUM HEIGHT IN STORES (SECTION 504.4)	2
MAXIMUM AREA IN SQUARE FEET (SECTION 503, 506 & 507, TABLE 503)	9,000

## WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC 1604 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

WIND DESIGN DATA:

DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1604.3 (1), (2), OR (3) DEPENDING ON THE RISK CATEGORY			
WIND SPEED Vult (3 SECOND GUST) =	131 MPH (IBC FIS 1604.3(1))		
NOMINAL DESIGN WIND SPEED Vwd =	102 MPH ( Vult x (0.6) <sup>1/2</sup> )		
RISK CATEGORY:	CATEGORY II BLDG	SURFACE ROUGHNESS =	B
TOPOGRAPHIC FACTOR =	1	EXPOSURE =	B
DESIGN WIND PRESSURE (ASCE 7-10 TABLE 28.6-1):	37.7 PSF		
INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1):	± 0.18		
<b>LIVE LOADS (IBC SEC 1607)</b>			
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		
<b>SNOW LOADS (IBC SEC 1608):</b>			
GROUND SNOW LOAD (IBC FIS 1608.2):	5 PSF		

## FLOOD ZONE INFORMATION

THIS PROPERTY IS IN FLOOD 'AE'

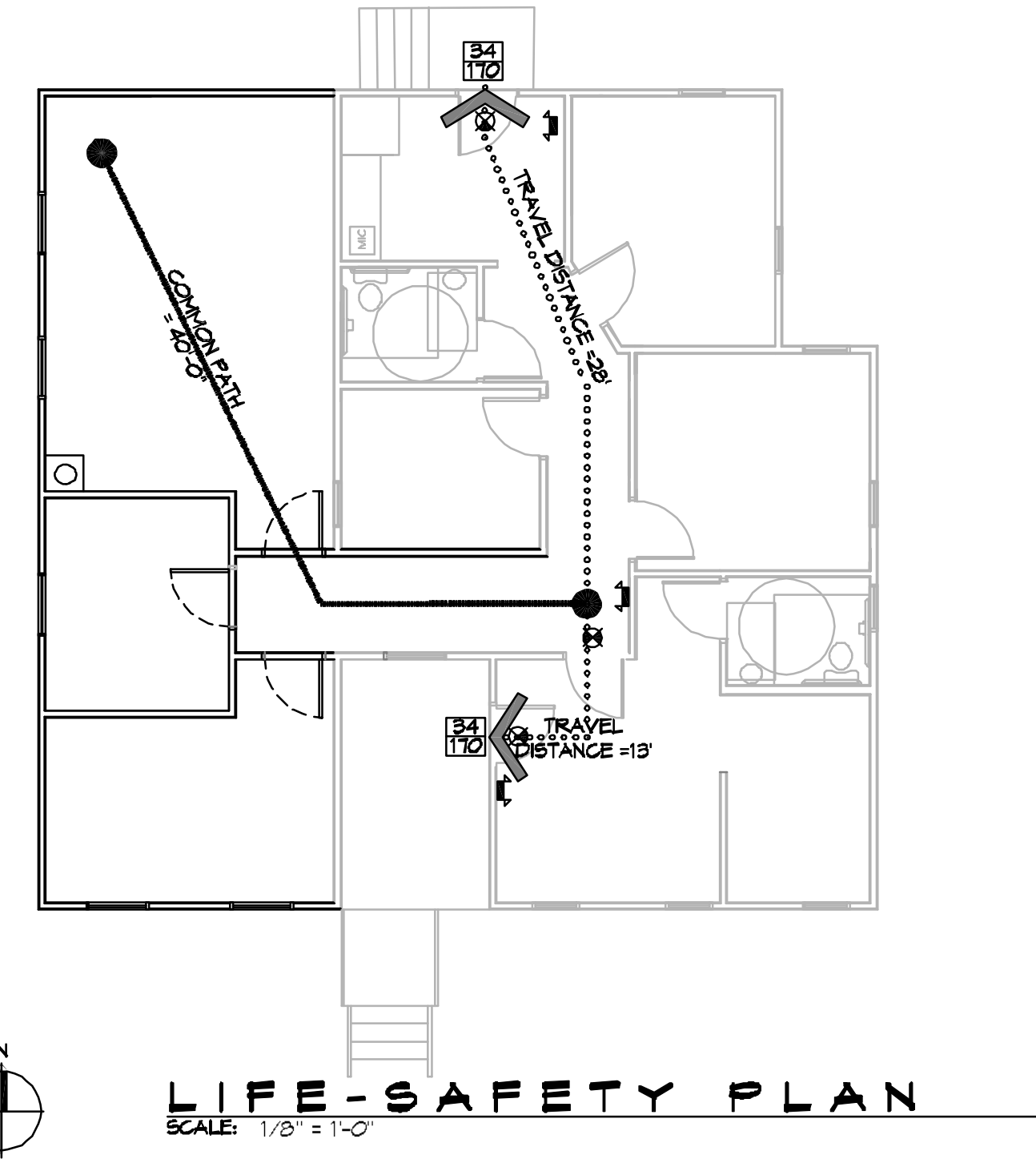
FIRM, COMMUNITY NO. 22103C045 F dated 4-30-2008

FLOOD ZONE:	AE	BASE FLOOD ELEVATION:	11
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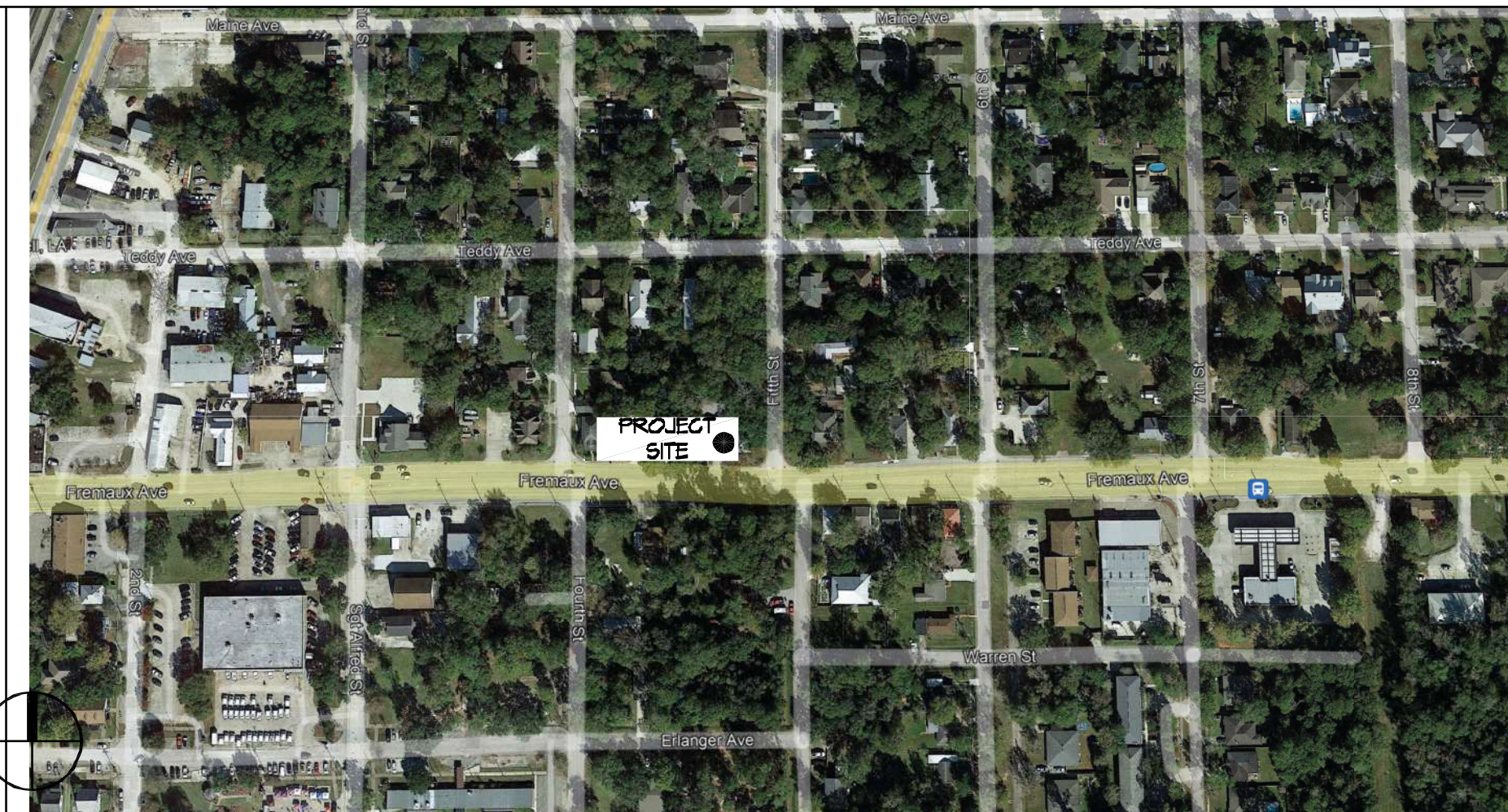
## LIFE-SAFETY LEGEND

SYMBOL	DESCRIPTION
➤	EXITS
Ⓢ	DOOR FIRE RATINGS (MINUTES)
Ⓢ	DOOR WIDTH/EGRESS CAPACITY
Ⓢ	EXIT LIGHT
# FE	FIRE EXTINGUISHER IV WALL MTD BRACKET
—————	COMMON PATH OF TRAVEL
.....	TRAVEL DISTANCE
●	DECISION POINT

# FLEUR DE LIS TITLE COMPANY



## VICINITY MAP



## SHEET INDEX

SHEET #	SHEET TITLE
G101	GENERAL INFORMATION SHEET
C101	SITE PLAN
S100	FOUNDATION PLAN
A101	FLOOR PLAN
A102	ROOF PLAN & SECTION
A103	ELEVATIONS
A104	TYPICAL CONNECTION DETAILS
M101	MECHANICAL FLOOR PLAN, SCHEDULES & DETAILS
E101	POWER AND LIGHTING PLAN

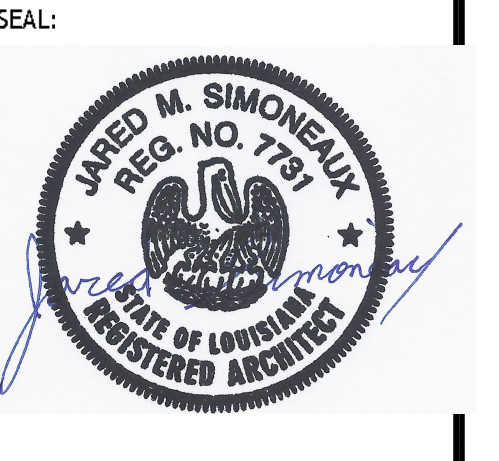
## GENERAL NOTES

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 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 ENGINEER REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
5. TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
6. THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
7. CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
8. ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURERS RECOMMENDATIONS WILL BE REJECTED BY OWNER/ARCHITECT.

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#	REVISIONS	DATE	DESCRIPTION



**FLEUR DE LIS  
TITLE COMPANY**

442 FREEMAN AVE  
SLIDELL, LA 70458  
JOB NO: 11-18-21  
DATE: 11-18-21  
DRAWN BY: JMS  
CHECKED BY: SKD

SHEET TITLE:  
GENERAL INFORMATION SHEET

DRAWING NUMBER:  
**G101**

SHEET No: 1 of 9











### 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'-11"	6'-10"	11'-5"	8'-1"	6'-7"
	(3) 2x12	9'-11"	7'-8"	6'-7"	13'-5"	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 "C"

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'-9"	6'-3"	5'-11"	5'-7"	5'-3"	4'-10"
(3) 2x8	8'-5"	7'-4"	7'-2"	6'-9"	6'-4"	5'-11"	5'-7"	5'-2"
(3) 2x10	9'-0"	8'-4"	7'-9"	7'-3"	6'-9"	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'-9"	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 - 130 MPH WIND EXP "C"

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

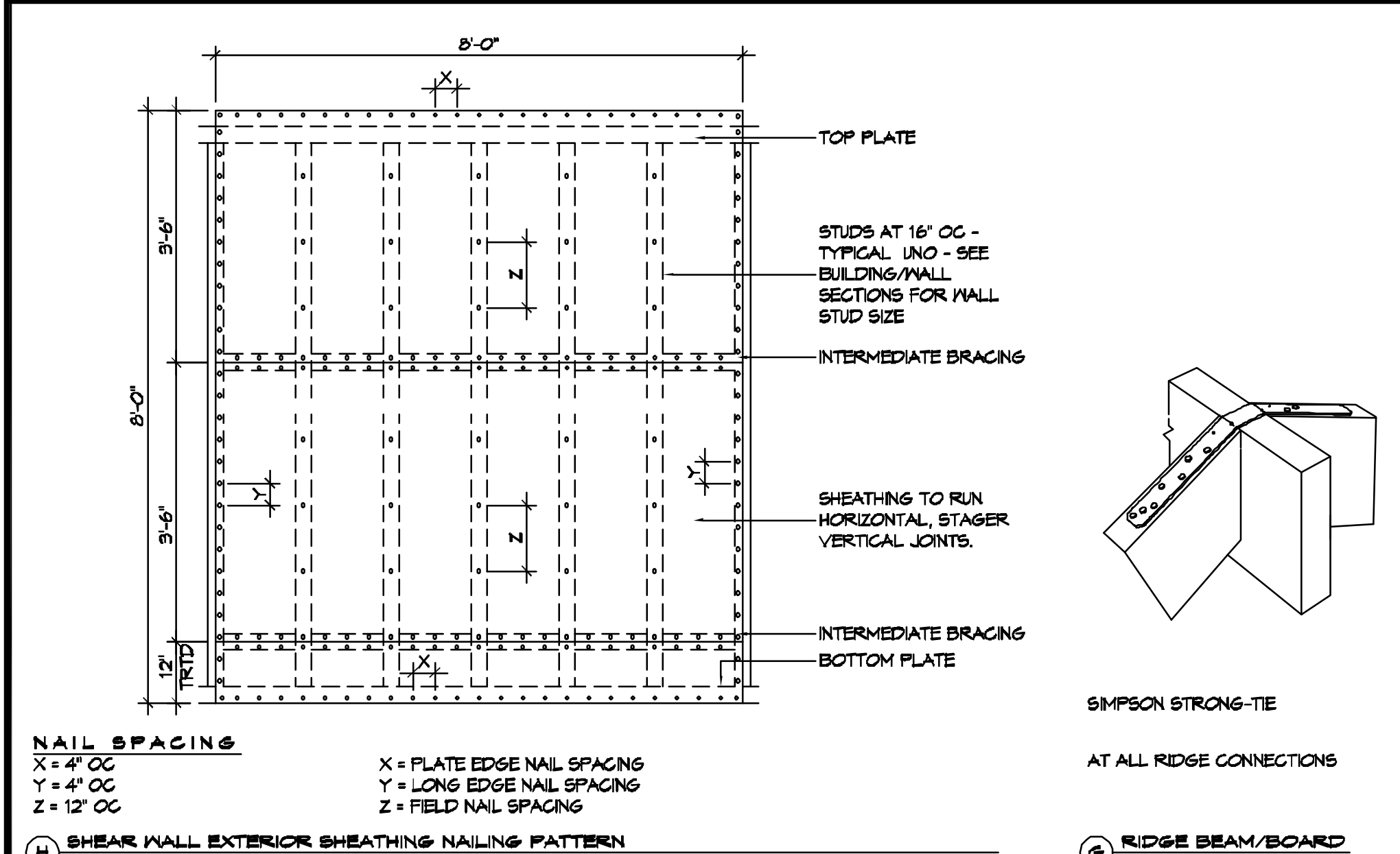
NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

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

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 "C"

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	1	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
	18	2	1	1	1	3	2	2	2	4	3	3	2
	20	2	2	2	2	4	3	3	2	6	4	4	3
TWO FLOORS (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	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	2	5	3	3	3	7	5	4	4
	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

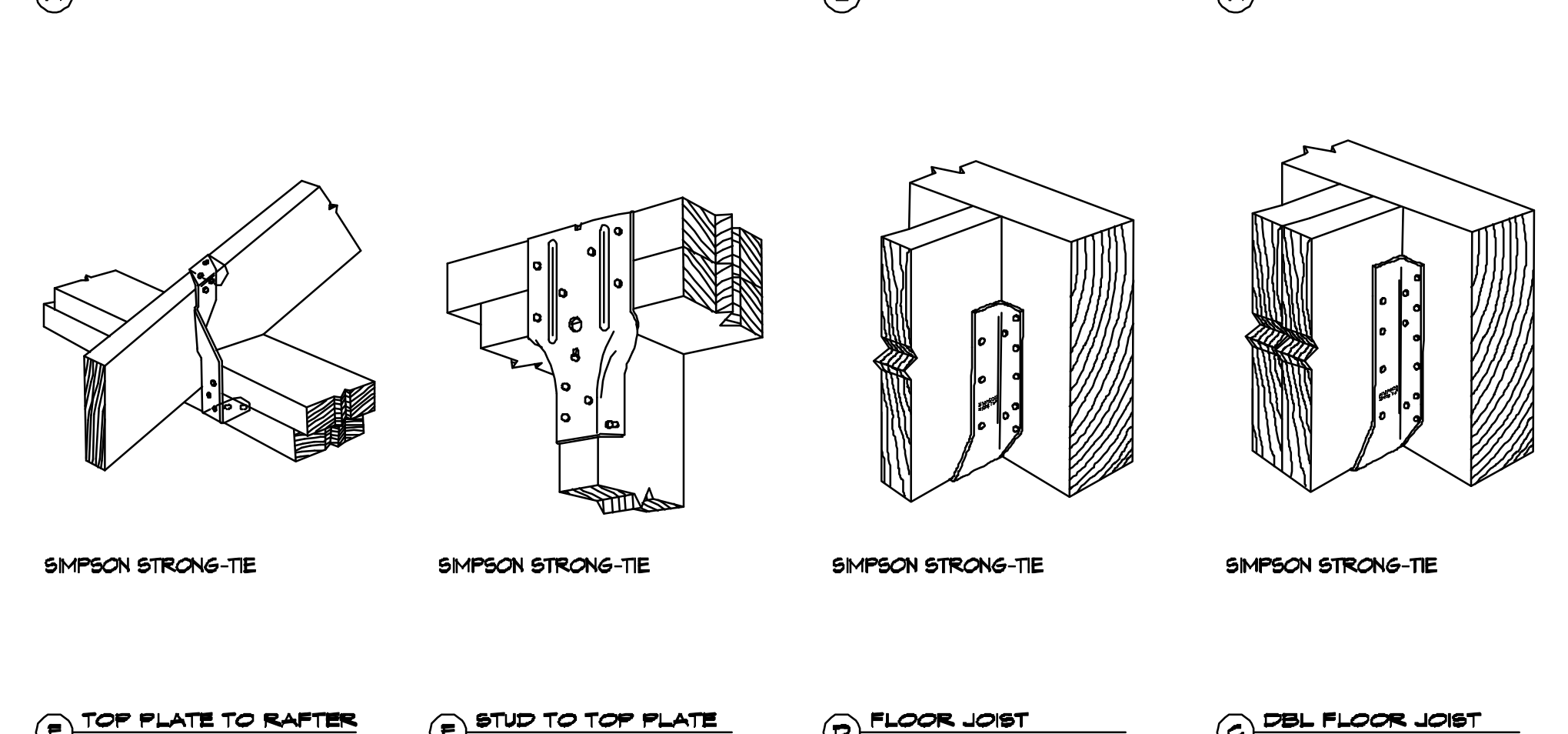
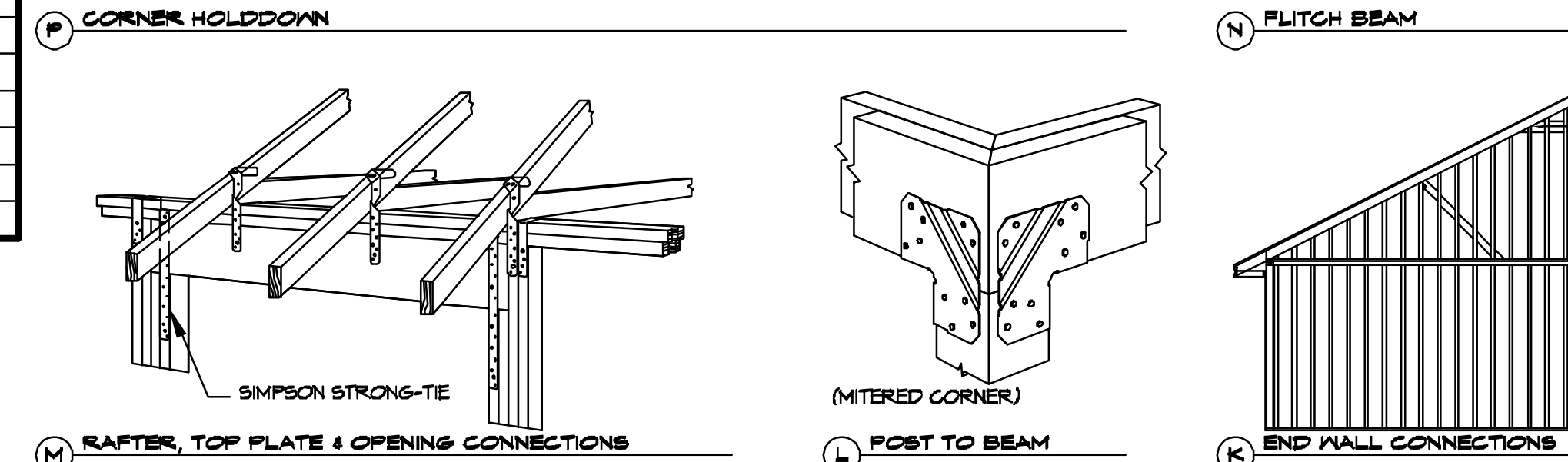
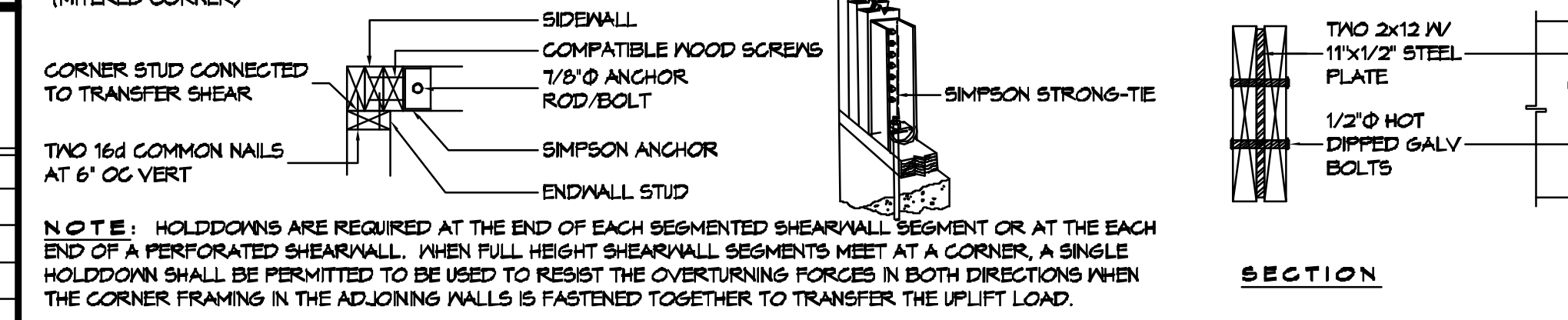
HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH 1/4" 1/2" PLYWOOD SPACER BETWEEN

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

HEADER SUPPORTING	HEADER SPAN (FT.)	ROOF LIVE LOAD 20 PSF				GROUND SNOW LOAD 30 PSF			
		3'	4.5'	5'	6'	3'	4.5'	5'	6'
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
	14	4	3	2	2	4	3	2	2
	16	4	3	3	2	4	3	3	2
	18	4	3	3	2	4	3	3	2
	20	4	3	3	2	4	3	3	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	2	2	2	2	3	2	2	2
	10	3	2	2	2	4	3	3	2
	12	4	3	3	2	5	3	3	3
	14	5	4	3	3	5	4	3	3
	16	6	4	4	3	6	4	4	3

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

(MITERED CORNER)  
 CORNER STUD CONNECTED TO TRANSFER SHEAR  
 TWO 16d COMMON NAILS AT 6" OC VERT  
 SIDEWALL COMPATIBLE WOOD SCREENS  
 7/8" Ø ANCHOR ROD/BOLT  
 SIMPSON STRONG-TIE  
 SIMPSON ANCHOR  
 ENDWALL STUD



**TYPICAL CONNECTION DETAILS**  
SCALE: NTS

### TABLE S102.3 - NAILING SCHEDULE

DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	SPACING
<b>WALL FRAMING</b>			
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 (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
<b>ROOF SHEATHING</b>			
WOOD STRUCTURAL PANELS	8d	10d	SEE TABLE S102.1
DIAGONAL BOARD SHEATHING	2-8d	2-10d	PER SUPPORT
1"x6" OR WIDER	3-8d	3-10d	PER SUPPORT

### TABLE S102.4 - BUILDING ENVELOPE REQUIREMENTS

OPAQUE ELEMENTS	ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
<b>ROOFS</b>		
INSULATION ENTIRELY ABOVE DECK	U-0.048	R-20.0 G.I.
METAL BUILDING	U-0.065	R-19
ATTIC AND OTHER	U-0.027	R-38
MASS	U-0.151 @	R-5.7 G.I. @
<b>WALLS, ABOVE GRADE</b>		
METAL BUILDING	U-0.113	R-13.0
STEEL-FRAMED	U-0.124	R-13.0
WOOD-FRAMED AND OTHER	U-0.084	R-13.0
MASS	U-0.107	R-6.3 G.I.
<b>FLOORS</b>		
STEEL JOIST	U-0.092	R-14.0
WOOD FRAMED AND OTHER	U-0.051	R-19.0
<b>SLAB-ON-GRADE</b>		
UN-HEATED	F-0.730	NR
<b>OPAQUE DOORS</b>		
SHINGING	U-0.700	NR
NON-SHINGING	U-1.450	NR

G.I. = CONTINUOUS INSULATION; NR = NO INSULATION REQUIREMENT  
 @ = EXCEPTION APPLIES

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 55 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 S105 OR 2450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.12.

### TABLE S102.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - 130 MPH WIND LOAD EXP "C"

SHEATHING LOCATION	RAFTER / TRUSS SPACING	MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
		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

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

### TABLE S102.2 - WALL SHEATHING OR CLADDING REQUIREMENT - 130 MPH WIND LOAD EXP "C"

SHEATHING LOCATION	STUD SPACING	MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
		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

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

### WIND SPEED

THE CONSTRUCTION FOR SAID RESIDENCE, WHERE WIND SPEED IS 130 MPH AND WIND EXPOSURE IS 110 MPH, WIND EXPOSURE ZONE C. THIS DESIGN IS IN ACCORDANCE WITH AMERICAN WOOD COUNCIL, WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (WFCM) 2015 EDITION AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2015 EDITION.

**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 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.

### GENERAL UPLIFT CONNECTION NOTES

### REVISIONS

#	DESCRIPTION	DATE

DATE: 11-10-21  
 CHECKED BY: CJD  
 DRAWN BY: JMS

**TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES**

# DAMMON ENGINEERING, INC.

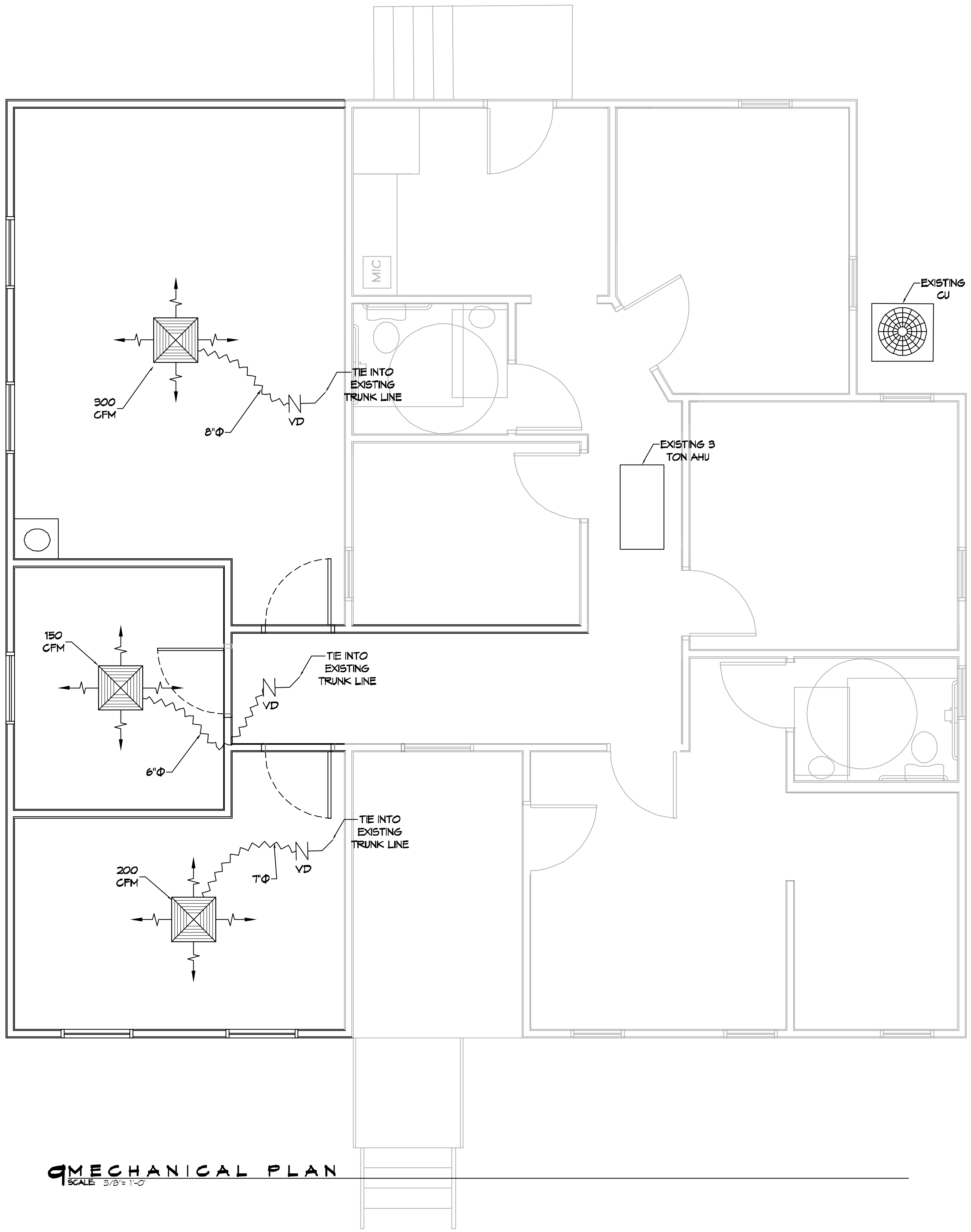
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 REG. NO. 7751  
 ARCHITECT

# LIS DELE FLEUR COMPANY

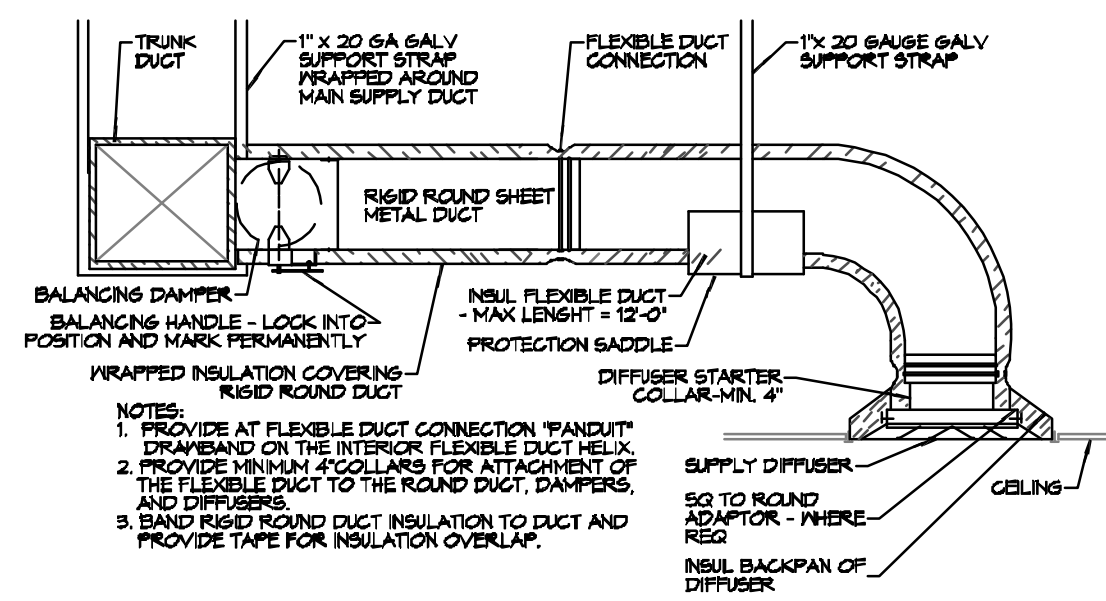
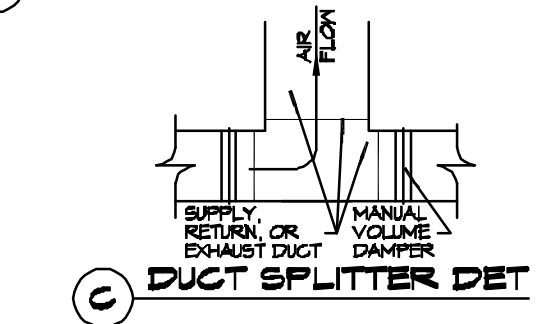
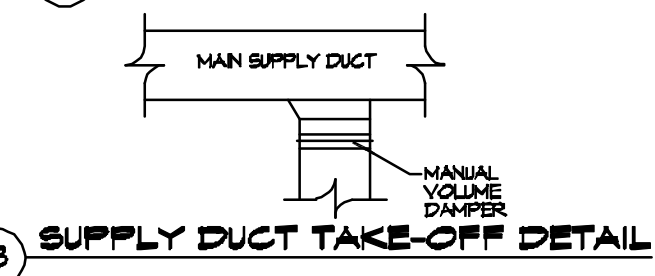
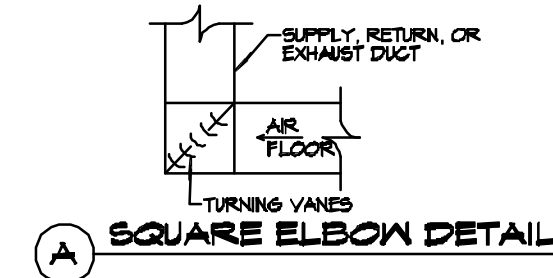
442 FERRAUX AVE  
 SLIDELL, LA 70458  
 JOB NO: 11-10-21  
 DATE: 11-10-21  
 CHECKED BY: CJD  
 DRAWN BY: JMS



**MECHANICAL PLAN**  
SCALE: 3/8" = 1'-0"

**GENERAL HVAC NOTES**

1. CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL WRAPPED WITH FIBROUS GLASS DUCT WRAP WITH FIBR VAPOR BARRIER, MIN R-6. INSTALLED PER SMACNA STANDARDS. DUCT WORK IMMEDIATELY DOWNSTREAM FROM RTU SHALL BE LINED FOR SOUND ATTENUATION.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
3. ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 12E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. 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.
7. 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.
8. CONDENSATE DRAINS TO BE P-VG PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
10. ALL THERMOSTATS TO BE AUTOMATIC CHANGE-OVER WITH HEAT SWITCH.
11. EXHAUST FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
12. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
13. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
14. LOCATE OUTDOOR UNITS AS SHOWN ON ARCHITECTURAL DRAWINGS.
15. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
16. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
17. 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).
18. ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY. CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
19. FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 12'-0". SUPPORT FLEX DUCT TO PREVENT SAGGING.
20. REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
21. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
22. PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHJ'S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR.
23. FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
24. PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
25. COORDINATE WALL MOUNTED THERMOSTAT LOCATIONS WITH ALL OWNER FURNISHED ITEMS EITHER WALL MOUNTED OR FLOOR MOUNTED AGAINST PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS.
26. SEE ROOF PLAN FOR ALL ROOF PENETRATIONS.
27. PROVIDE MIN 18 GA GALVANIZED SHEET METAL TO BLANK-OFF GABLE VENTS WHERE INTAKE/EXHAUST DUCTS OCCUR.



**TYPICAL DETAILS**  
SCALE: N.T.S.

**MECHANICAL LEGEND**

- 12"x12" 4-WAY SUPPLY AIR GRILLE
- ROUND FLEX DUCT, MAX. LENGTH 12'-0", MIN. R-6. DUCT SIZE AS FOLLOWS:  
250 CFM TO 350 CFM = 9"  
300 CFM TO 250 CFM = 8"  
150 CFM TO 300 CFM = 7"  
100 CFM TO 150 CFM = 6"
- DAMPER CONTROL (V.D)

**DAMMON ENGINEERING, INC.**  
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REVISIONS	DATE
# DESCRIPTION	

SEAL:

**FLEURE DE LIS COMPANY**  
442 FREMAUX AVE  
SUDBELL, LA 70458  
JOB No: 11-10-21  
DATE: 11-10-21  
DRAWN BY: JMS  
CHECKED BY: CJD

SHEET TITLE:  
**MECHANICAL PLAN**

DRAWING NUMBER:  
**M101**

SHEET No: 8 of 9

