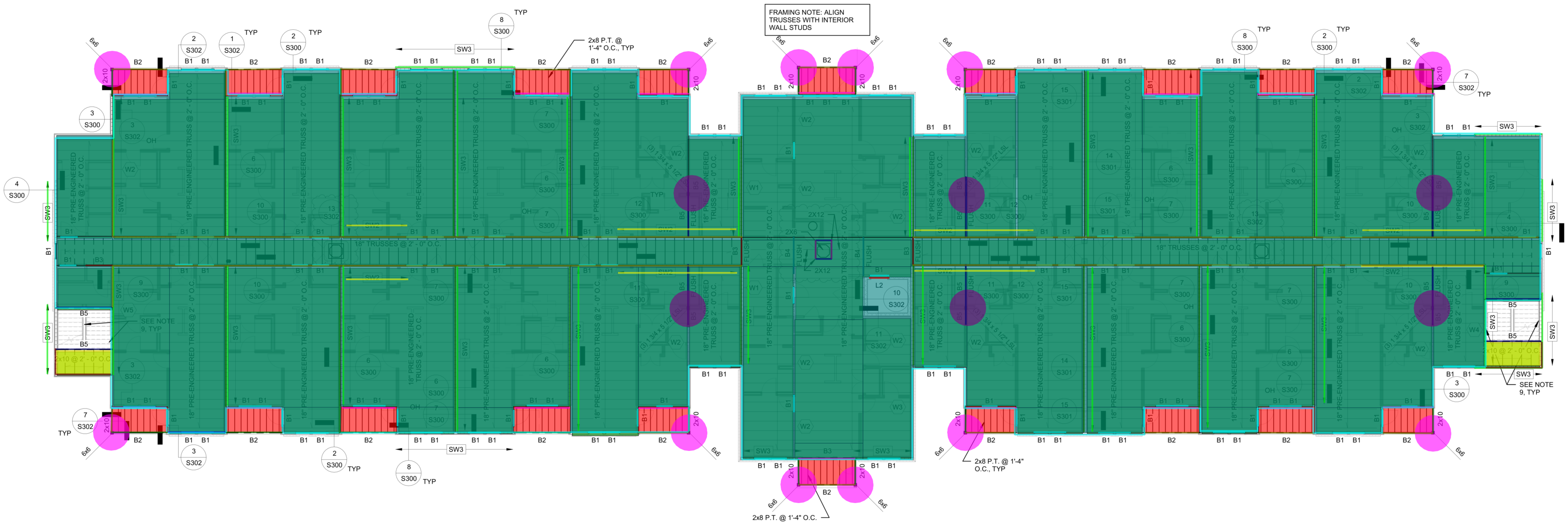

1 THIRD FLOOR FRAMING PLAN - BUILDING TYPE 1
3/32" = 1'-0"

AKA_STONELEAF APTS./1BR48+2BR30_Int_Cor - STRUCT.rvt

3/4" GYPCRETE	19878.4 SQ FT	
18" PRE-ENGINEERED TRUSSES @ 24" O.C.	20796.0 SQ FT	
2X8 P.T JOISTS @ 16" O.C. + 3/4" EXTERIOR GRADE SHE...	1259.5 SQ FT	
2X10 JOISTS - 24" O.C.	121.9 SQ FT	
6X6 POST - 8' H	12.0 EA	
B1	533.1 FT	
B3	17.4 FT	
2X10 BEAM	108.6 FT	
B2	187.6 FT	
B5	123.0 FT	
(3) 1-3/4" X5 1/2" LSL POST - 8'	6.0 EA	
B4	16.1 FT	
L2	4.3 FT	
SW3	729.1 FT	
SW2	177.0 FT	
2X4 BLOCKING @ 24" O.C. - 2' L + 2X8 BLOCKING @ ANCHOR	12.2 FT	
2X8 RIBBON	225.9 FT	
LADDER WALL TRUSS	980.8 FT	
2X10 RIBBON	34.2 FT	
(2) BLOCKING PER MANUFACTURER	540.4 FT	
WOOD LADDER TRUSS W/ VERT. MEMBER @ 16" O.C. + 2X...	545.5 FT	
2X6 BLOCKING	6.7 FT	
2X12 BLOCKING	8.0 FT	

COLUMN SCHEDULE

MARK	COLUMN	MATERIAL
C1	(3) 2X6	SPF NO. 2 OR BETTER
C2	3-1/2" x 5-1/4"	PARALLAM PSL 1.8E
C3	5-1/4" x 5-1/4"	PARALLAM PSL 1.8E
C4	3-1/2" x 7"	PARALLAM PSL 1.8E
C5	7" x 7"	PARALLAM PSL 1.8E

NOTE:
1. PROVIDE SOLID BLOCKING BELOW POSTS BETWEEN FLOOR LEVELS.

LINTEL SCHEDULE

MARK	SIZE	REINFORCING
L1	16" CMU BOND BEAM	(2) #5 TOP & BOT.
BL1	L 3-1/2x3-1/2x1/4"	
BL2	L 4x3-1/2x1/4 LLV	

BEARING WALL SCHEDULE

LEVEL	LOCATION	SIZE
1ST FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	(3) 2x4 @ 24" OC
	CORRIDOR WALLS	(2) 2x4 @ 24" OC
	W1	(2) 2x4 @ 24" OC
	W2	(3) 2x4 @ 24" OC
	W3	(4) 2x4 @ 24" OC
	W4	(2) 2x6 @ 24" OC
	W5	2x4 @ 16" OC
	W6	(3) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC
2ND FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	(2) 2x4 @ 24" OC
	CORRIDOR WALLS	(2) 2x4 @ 24" OC
	W1	(2) 2x4 @ 24" OC
	W2	(3) 2x4 @ 24" OC
	W3	(2) 2x6 @ 24" OC
	W4	2x4 @ 16" OC
	W5	(3) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 16" OC
3RD FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	2x4 @ 24" OC
	CORRIDOR WALLS	2x4 @ 24" OC
	W1	(2) 2x4 @ 24" OC
	W2	2x4 @ 16" OC
	W3	(2) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC
4TH FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	2x4 @ 24" OC
	CORRIDOR WALLS	2x4 @ 24" OC
	W1	2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC

NOTES:
1. ALL STUDS SPF NO. 2 OR BETTER. FIRST FLOOR WALL PLATES (TOP AND BOTTOM) ARE SOUTHERN YELLOW PINE NO. 1 OR BETTER. WALL PLATES FOR OTHER FLOORS/LEVELS SHALL BE SPF NO. 2 OR BETTER.
2. ALIGN STUDS WITH FLOOR TRUSSES.
3. 1ST FLOOR SILL PLATE TO BE PRESERVATIVE TREATED.
4. DEMISING WALLS ARE DOUBLE WALLS.

HEADER SCHEDULE

MARK	SIZE & TYPE	MATERIAL	BEARING	FRAMING AT EACH END	NOTES
B1	(2) 2x8	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B2	(2) 2x10	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B3	(2) 2x12	SPF #2 OR BETTER	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B4	(2) 1-3/4"x11-1/4"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B5	(2) 1-3/4"x11-7/8"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B6	(2) 1-3/4"x14"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B7	(2) 1-3/4"x16"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B8	(2) 1-3/4"x9-1/4"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B9	(3) 1-3/4"x14"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B10	(4) 1-3/4"x20"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	(4) JACK STUD & (1) FULL HEIGHT	
B11	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	3" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B12	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	6x6	

NOTE:
1. P.T. = PRESERVATIVE TREATED LUMBER.

SHEARWALL SCHEDULE

MARK	SHEATHING	NAILS AT PANEL EDGES	NAILS AT INTERM SUPPORTS	SILL ANCHOR BOLTS	HOLD DOWN ANCHOR EACH END	# OF STUDS AT HOLD DOWN ANCHOR
SW1	7/16" OSB	8d @ 6" OC	8d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU2-SDS2.5	(2)
SW2	7/16" OSB	10d @ 6" OC	10d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU5-SDS2.5	(2)
SW3	7/16" OSB	10d @ 4" OC	10d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU5-SDS2.5	(3)
SW4	15/32" OSB	10d @ 6" OC	10d @ 12" OC	3/4" DIA. @ 3'-0" OC	HDU8-SDS2.5	(4)

NOTES:
1. FIRST FLOOR WALL PLATES ARE SOUTHERN PINE NO. 1 OR BETTER. WALL PLATES FOR SHEAR WALLS ON OTHER FLOORS SPF NO. 2 OR BETTER.
2. PROVIDE HOLD DOWN HANGER AT EACH END OF SHEARWALL. ATTACH TO STUDS WITH SIMPSON SDS SCREWS PER THE MANUFACTURER'S INSTRUCTIONS.
3. FOR MULTISTORY SHEAR WALL, CONNECT THE UPPER AND LOWER STUDS AT EACH END OF THE SHEAR WALL WITH HOLD DOWN ANCHORS, SEE DETAILS 4, 7, 8 AND 12/S300 USING ANCHORS SPECIFIED FOR THE UPPER FLOOR. CONNECT TO FOUNDATIONS PER DETAILS 9 AND 12/S200, 3 AND 4/S201.
4. PROVIDE SOLID BLOCKING AT ALL PANEL EDGES.
5. ALL HOLD-DOWN ANCHORS ARE SIMPSON MODELS.
6. PROVIDE SIMPSON TAKE-UP-DEVICE AT HOLD DOWN FOR ALL SHEAR WALL ANCHOR SYSTEMS AT SECOND FLOOR AND ABOVE.
   a. HDU2 & HDU5: ATS-ATUD6-2 WITH BP-5/8-2 WASHER.
   b. HDU8: ATS-ATUD9 WITH BP 7/8-2 WASHER AT HDU 8.
   c. EXTEND ANCHOR ROD ABOVE WALL PLATE PER SIMPSON REQUIREMENTS.
   d. PROVIDE BEARING PLATES ABOVE AND BELOW TAKE-UP-DEVICE PER SIMPSON REQUIREMENTS.
7. ANCHOR RODS AT HOLD DOWNS:
   a. HDU 5: SIMPSON TITEN HD 5/8"x10".
   b. HDU 8 : 7/8" DIAMETER A36 THREADED ROD, POST INSTALLED, EMBEDDED 12" INTO CONCRETE. EPOXY WITH HILTI HY-200 ADHESIVE SYSTEM.
8. FOR EXTERIOR WALL SHEAR WALLS WITH WINDOW OPENINGS, REFER TO DETAIL 2/S303 FOR STRAPPING AND BLOCKING REQUIREMENTS.

WALL LEGEND:

- INTERIOR BEARING - SEE BEARING WALL SCHEDULE
- SHEAR WALL - SEE SHEAR WALL SCHEDULE & BEARING WALL SCHEDULE

FLOOR FRAMING NOTES:

1. FLOOR CONSTRUCTION IS 3/4" GYPCRETE OVER 3/4" T&G OSB SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES AT 24" ON CENTER. SEE DETAIL 1/S300 FOR SHEATHING REQUIREMENTS. TRUSSES TO ALIGN WITH STUDS BELOW., SEE DETAILS 9 AND 13/S301. COORDINATE TRUSS LOCATIONS WITH MECHANICAL TO AVOID INTERFERENCES.
2. SEE ARCH DRAWINGS FOR WALL LAYOUT AND DIMENSIONS.
3. COORDINATE FLOOR TRUSS LOCATION AND OPENINGS W/ MECHANICAL EQUIPMENT.
4. ALL BALCONY BEAMS AND JOISTS TO BE PRESERVATIVE TREATED MATERIAL AND BE FLUSH FRAMED. POSTS ARE REAL-POST PRODUCT BY WOODTONE.
5. STAIRS TO BE PERFORMANCE DESIGNED BY CARPENTER.
6. ELEVATOR WALLS TO BE 8" CMU W/ #5'S @ CORNERS & #5 @ 32" O.C. HORIZONTAL JOINT LADDER REINFORCEMENT @ 16" PLACE (2) #5 AROUND MASONRY OPENINGS.
7. FOR BEAMS WITH "FLUSH" NOTE, BOTTOM OF BEAM IS TO BE LEVEL w/ BOTTOM OF TRUSS, HANG TRUSSES OF FACE OF BEAM w/ SIMPSON HGU48 HANGER.
8. FOR BALCONIES THAT USE 6x6 POSTS, ANCHOR TO THE BUILDING PER DETAILS 2 AND 3/S302.
9. STAIR STRINGERS TO BE (2) 2x12 SOUTHERN YELLOW PINE NO. 1, FULL DEPTH (NO NOTCHES) WITH SECOND SIDE MEMBER NOTCHED FOR TREADS.

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SEAL

PROJECT TITLE

STONELEAF RESERVE

15503 DOUGLAS ROAD
MISHAWAKA, IN 46545

ISSUED FOR:	DATE
PERMIT	05/26/2025

REVISIONS

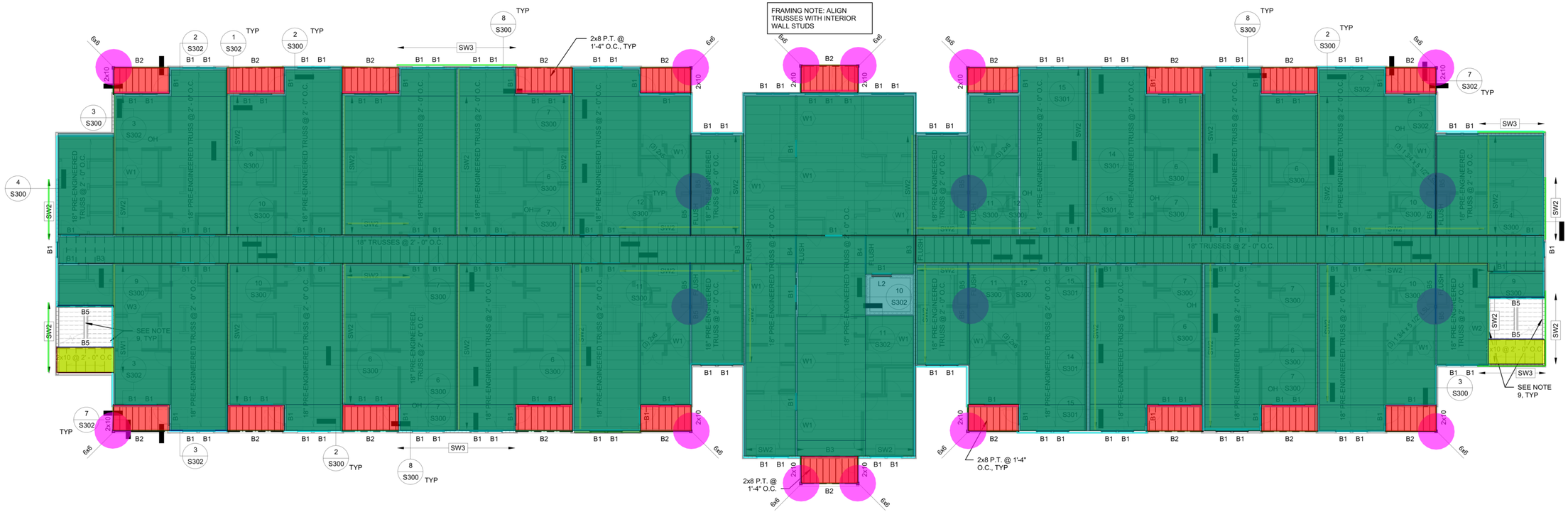
MARK	DESCRIPTION	DATE
	RFI 1	07/09/2025

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
24-008

SHEET TITLE
THIRD FLOOR FRAMING PLAN - BUILDING TYPE 1

SHEET NUMBER
S102



1 FOURTH FLOOR FRAMING PLAN
3/32" = 1'-0"

COLUMN SCHEDULE

MARK	COLUMN	MATERIAL
C1	(3) 2X6	SPF NO. 2 OR BETTER
C2	3-1/2" x 5-1/4"	PARALLAM PSL 1.8E
C3	5-1/4" x 5-1/4"	PARALLAM PSL 1.8E
C4	3-1/2" x 7"	PARALLAM PSL 1.8E
C5	7" x 7"	PARALLAM PSL 1.8E

NOTE:
1. PROVIDE SOLID BLOCKING BELOW POSTS BETWEEN FLOOR LEVELS.

BEARING WALL SCHEDULE

LEVEL	LOCATION	SIZE
1ST FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	(3) 2x4 @ 24" OC
	CORRIDOR WALLS	(2) 2x4 @ 24" OC
	W1	(2) 2x4 @ 24" OC
	W2	(3) 2x4 @ 24" OC
	W3	(4) 2x4 @ 24" OC
	W4	(2) 2x6 @ 24" OC
	W5	2x4 @ 16" OC
	W6	(3) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC
2ND FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	(2) 2x4 @ 24" OC
	CORRIDOR WALLS	(2) 2x4 @ 24" OC
	W1	(2) 2x4 @ 24" OC
	W2	(3) 2x4 @ 24" OC
	W3	(2) 2x6 @ 24" OC
	W4	2x4 @ 16" OC
	W5	(3) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 16" OC
3RD FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	2x4 @ 24" OC
	CORRIDOR WALLS	2x4 @ 24" OC
	W1	(2) 2x4 @ 24" OC
	W2	2x4 @ 16" OC
	W3	(2) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC
4TH FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	2x4 @ 24" OC
	CORRIDOR WALLS	2x4 @ 24" OC
	W1	2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC

NOTES:
1. ALL STUDS SPF NO. 2 OR BETTER. FIRST FLOOR WALL PLATES (TOP AND BOTTOM) ARE SOUTHERN YELLOW PINE NO. 1 OR BETTER. WALL PLATES FOR OTHER FLOORS/LEVELS SHALL BE SPF NO. 2 OR BETTER.
2. ALIGN STUDS WITH FLOOR TRUSSES.
3. 1ST FLOOR SILL PLATE TO BE PRESERVATIVE TREATED.
4. DEMISING WALLS ARE DOUBLE WALLS.

HEADER SCHEDULE

MARK	SIZE & TYPE	MATERIAL	BEARING	FRAMING AT EACH END	NOTES
B1	(2) 2x8	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B2	(2) 2x10	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B3	(2) 2x12	SPF #2 OR BETTER	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B4	(2) 1-3/4"x11-1/4"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B5	(2) 1-3/4"x11-7/8"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B6	(2) 1-3/4"x14"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B7	(2) 1-3/4"x16"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B8	(2) 1-3/4"x9-1/4"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B9	(3) 1-3/4"x14"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B10	(4) 1-3/4"x20"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	(4) JACK STUD & (1) FULL HEIGHT	
B11	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	3" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B12	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	6x6	

NOTE:
1. P.T. = PRESERVATIVE TREATED LUMBER.

SHEARWALL SCHEDULE

MARK	SHEATHING	NAILS AT PANEL EDGES	NAILS AT INTERM SUPPORTS	SILL ANCHOR BOLTS	HOLD DOWN ANCHOR EACH END	# OF STUDS AT HOLD DOWN ANCHOR
SW1	7/16" OSB	8d @ 6" OC	8d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU2-SDS2.5	(2)
SW2	7/16" OSB	10d @ 6" OC	10d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU5-SDS2.5	(2)
SW3	7/16" OSB	10d @ 4" OC	10d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU5-SDS2.5	(3)
SW4	15/32" OSB	10d @ 6" OC	10d @ 12" OC	3/4" DIA. @ 3'-0" OC	HDU8-SDS2.5	(4)

NOTES:
1. FIRST FLOOR WALL PLATES ARE SOUTHERN PINE NO. 1 OR BETTER. WALL PLATES FOR SHEAR WALLS ON OTHER FLOORS FLOORS SPF NO. 2 OR BETTER.
2. PROVIDE HOLD DOWN HANGER AT EACH END OF SHEARWALL. ATTACH TO STUDS WITH SIMPSON SDS SCREWS PER THE MANUFACTURER'S INSTRUCTIONS.
3. FOR MULTISTORY SHEAR WALL, CONNECT THE UPPER AND LOWER STUDS AT EACH END OF THE SHEAR WALL WITH HOLD DOWN ANCHORS, SEE DETAILS 4, 7, 8 AND 12/S300 USING ANCHORS SPECIFIED FOR THE UPPER FLOOR. CONNECT TO FOUNDATIONS PER DETAILS 9 AND 12/S200, 3 AND 4/S201.
4. PROVIDE SOLID BLOCKING AT ALL PANEL EDGES.
5. ALL HOLD-DOWN ANCHORS ARE SIMPSON MODELS.
6. PROVIDE SIMPSON TAKE-UP-DEVICE AT HOLD DOWN FOR ALL SHEAR WALL ANCHOR SYSTEMS AT SECOND FLOOR AND ABOVE.
   a. HDU2 & HDU5: ATS-ATUD6-2 WITH BP-5/8-2 WASHER.
   b. HDU8: ATS-ATUD9 WITH BP 7/8-2 WASHER AT HDU 8.
   c. EXTEND ANCHOR ROD ABOVE WALL PLATE PER SIMPSON REQUIREMENTS.
   d. PROVIDE BEARING PLATES ABOVE AND BELOW TAKE-UP-DEVICE PER SIMPSON REQUIREMENTS.
7. ANCHOR RODS AT HOLD DOWNS:
   a. HDU 5: SIMPSON TITEN HD 5/8"x10".
   b. HDU 8 : 7/8" DIAMETER A36 THREADED ROD, POST INSTALLED, EMBEDDED 12" INTO CONCRETE. EPOXY WITH HILTI HY-200 ADHESIVE SYSTEM.
8. FOR EXTERIOR WALL SHEAR WALLS WITH WINDOW OPENINGS, REFER TO DETAIL 2/S303 FOR STRAPPING AND BLOCKING REQUIREMENTS.

WALL LEGEND:

INTERIOR BEARING - SEE BEARING WALL SCHEDULE

SHEAR WALL - SEE SHEAR WALL SCHEDULE & BEARING WALL SCHEDULE

FLOOR FRAMING NOTES:

1. FLOOR CONSTRUCTION IS 3/4" GYPCRETE OVER 3/4" T&G OSB SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES AT 24" ON CENTER. SEE DETAIL 1/S300 FOR SHEATHING REQUIREMENTS. TRUSSES TO ALIGN WITH STUDS BELOW., SEE DETAILS 9 AND 13/S301. COORDINATE TRUSS LOCATIONS WITH MECHANICAL TO AVOID INTERFERENCES.
2. SEE ARCH DRAWINGS FOR WALL LAYOUT AND DIMENSIONS.
3. COORDINATE FLOOR TRUSS LOCATION AND OPENINGS W/ MECHANICAL EQUIPMENT.
4. ALL BALCONY BEAMS AND JOISTS TO BE PRESERVATIVE TREATED MATERIAL AND BE FLUSH FRAMED. POSTS ARE REAL-POST PRODUCT BY WOODTONE.
5. STAIRS TO BE PERFORMANCE DESIGNED BY CARPENTER.
6. ELEVATOR WALLS TO BE 8" CMU W/ #5'S @ CORNERS & #5 @ 32" O.C. HORIZONTAL JOINT LADDER REINFORCEMENT @ 16" PLACE (2) #5 AROUND MASONRY OPENINGS.
7. FOR BEAMS WITH "FLUSH" NOTE, BOTTOM OF BEAM IS TO BE LEVEL w/ BOTTOM OF TRUSS, HANG TRUSSES OF FACE OF BEAM w/ SIMPSON HGU48 HANGER.
8. FOR BALCONIES THAT USE 6x6 POSTS, ANCHOR TO THE BUILDING PER DETAILS 2 AND 3/S302.
9. STAIR STRINGERS TO BE (2) 2x12 SOUTHERN YELLOW PINE NO. 1, FULL DEPTH (NO NOTCHES) WITH SECOND SIDE MEMBER NOTCHED FOR TREADS.

LINE SCHEDULE

MARK		REINFORCING
L1	16" CMU BEAM	(2) #5 TOP & BOT.
BL1	L 3-1/2x3-1/2x5/16	
BL2	L 4x3-1/2x5/16	

3/4" GYPCRETE	19878.4 SQ FT
18" PRE-ENGINEERED TRUSSES @ 24" O.C.	20796.0 SQ FT
2X8 P.T JOISTS @ 16" O.C. + 3/4" EXTERIOR GRADE SHEATHING	1259.5 SQ FT
2X10 JOISTS - 24" O.C.	121.9 SQ FT
6X6 POST - 8' H	12.0 EA
L2	4.3 FT
B1	536.7 FT
B2	187.6 FT
B3	17.4 FT
B4	16.1 FT
B5	123.0 FT
2X10 BEAM	108.6 FT
(3) 1-3/4" X5 1/2" LSL POST - 8'	6.0 EA
SW3	110.1 FT
SW2	796.0 FT
2X4 BLOCKING @ 24" O.C. - 2' L + 2X8 BLOCKING @ ANCHOR	12.2 FT
2X8 RIBBON	225.9 FT
LADDER WALL TRUSS	980.8 FT
2X10 RIBBON	34.2 FT
(2) BLOCKING PER MANUFACTURER	540.4 FT
WOOD LADDER TRUSS W/ VERT. MEMBER @ 16" O.C. + 2X10 x CONT. LEDGER,	545.5 FT

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SEAL

5-26-25

THOMAS A. PALAZZARI
REGISTERED
NO. PE11700494
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT TITLE

STONELEAF RESERVE
15503 DOUGLAS ROAD
MISHAWAKA, IN 46545

ISSUED FOR:	DATE
PERMIT	05/26/2025

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
24-008

SHEET TITLE
FOURTH FLOOR FRAMING PLAN

SHEET NUMBER
S103

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STRUCTURAL ENGINEERS
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Kalamazoo MI 49007
269/383.3111 - nehilsivak.com

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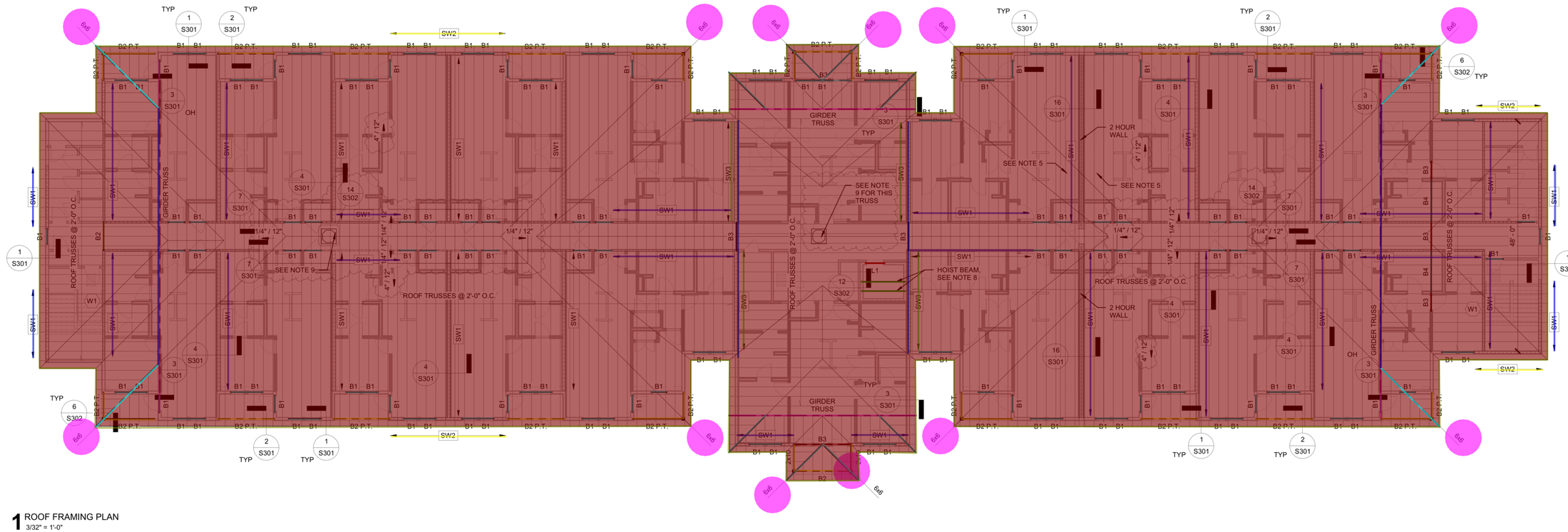

1 ROOF FRAMING PLAN
3/32" = 1'-0"

COLUMN SCHEDULE

MARK	COLUMN	MATERIAL
C1	(3) 2X6	SPF NO. 2 OR BETTER
C2	3-1/2" x 5-1/4"	PARALLAM PSL 1.8E
C3	5-1/4" x 5-1/4"	PARALLAM PSL 1.8E
C4	3-1/2" x 7"	PARALLAM PSL 1.8E
C5	7" x 7"	PARALLAM PSL 1.8E

NOTE:
1. PROVIDE SOLID BLOCKING BELOW POSTS BETWEEN FLOOR LEVELS.

BEARING WALL SCHEDULE

LEVEL	LOCATION	SIZE
1ST FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	(3) 2x4 @ 24" OC
	CORRIDOR WALLS	(2) 2x4 @ 24" OC
	W1	(2) 2x4 @ 24" OC
	W2	(3) 2x4 @ 24" OC
	W3	(4) 2x4 @ 24" OC
	W4	(2) 2x6 @ 24" OC
	W5	2x4 @ 16" OC
	W6	(3) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC
2ND FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	(2) 2x4 @ 24" OC
	CORRIDOR WALLS	(2) 2x4 @ 24" OC
	W1	(2) 2x4 @ 24" OC
	W2	(3) 2x4 @ 24" OC
	W3	(2) 2x6 @ 24" OC
	W4	2x4 @ 16" OC
	W5	(3) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 16" OC
3RD FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	2x4 @ 24" OC
	CORRIDOR WALLS	2x4 @ 24" OC
	W1	(2) 2x4 @ 24" OC
	W2	2x4 @ 16" OC
	W3	(2) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC
4TH FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	2x4 @ 24" OC
	CORRIDOR WALLS	2x4 @ 24" OC
	W1	2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC

NOTES:
1. ALL STUDS SPF NO. 2 OR BETTER. FIRST FLOOR WALL PLATES (TOP AND BOTTOM) ARE SOUTHERN YELLOW PINE NO. 1 OR BETTER. WALL PLATES FOR OTHER FLOORS/LEVELS SHALL BE SPF NO. 2 OR BETTER.
2. ALIGN STUDS WITH FLOOR TRUSSES.
3. 1ST FLOOR SILL PLATE TO BE PRESERVATIVE TREATED.
4. DEMISING WALLS ARE DOUBLE WALLS.

HEADER SCHEDULE

MARK	SIZE & TYPE	MATERIAL	BEARING	FRAMING AT EACH END	NOTES
B1	(2) 2x8	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B2	(2) 2x10	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B3	(2) 2x12	SPF #2 OR BETTER	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B4	(2) 1-3/4"x11-1/4"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B5	(2) 1-3/4"x11-7/8"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B6	(2) 1-3/4"x14"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B7	(2) 1-3/4"x16"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B8	(2) 1-3/4"x9-1/4"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B9	(3) 1-3/4"x14"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B10	(4) 1-3/4"x20"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	(4) JACK STUD & (1) FULL HEIGHT	
B11	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	3" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B12	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	6x6	

NOTE:
1. P.T. = PRESERVATIVE TREATED LUMBER.

SHEARWALL SCHEDULE

MARK	SHEATHING	NAILS AT PANEL EDGES	NAILS AT INTERM SUPPORTS	SILL ANCHOR BOLTS	HOLD DOWN ANCHOR EACH END	# OF STUDS AT HOLD DOWN ANCHOR
SW1	7/16" OSB	8d @ 6" OC	8d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU2-SDS2.5	(2)
SW2	7/16" OSB	10d @ 6" OC	10d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU5-SDS2.5	(2)
SW3	7/16" OSB	10d @ 4" OC	10d @ 12" OC	3/4" DIA. @ 3'-0" OC	HDU5-SDS2.5	(3)
SW4	15/32" OSB	10d @ 6" OC	10d @ 12" OC	3/4" DIA. @ 3'-0" OC	HDU8-SDS2.5	(4)

NOTES:
1. FIRST FLOOR WALL PLATES ARE SOUTHERN PINE NO. 1 OR BETTER. WALL PLATES FOR SHEAR WALLS ON OTHER FLOORS FLOORS SPF NO. 2 OR BETTER.
2. PROVIDE HOLD DOWN HANGER AT EACH END OF SHEARWALL. ATTACH TO STUDS WITH SIMPSON SDS SCREWS PER THE MANUFACTURER'S INSTRUCTIONS.
3. FOR MULTISTORY SHEAR WALL, CONNECT THE UPPER AND LOWER STUDS AT EACH END OF THE SHEAR WALL WITH HOLD DOWN ANCHORS, SEE DETAILS 4, 7, 8 AND 12/S300 USING ANCHORS SPECIFIED FOR THE UPPER FLOOR. CONNECT TO FOUNDATIONS PER DETAILS 9 AND 12/S200, 3 AND 4/S201.
4. PROVIDE SOLID BLOCKING AT ALL PANEL EDGES.
5. ALL HOLD-DOWN ANCHORS ARE SIMPSON MODELS.
6. PROVIDE SIMPSON TAKE-UP-DEVICE AT HOLD DOWN FOR ALL SHEAR WALL ANCHOR SYSTEMS AT SECOND FLOOR AND ABOVE.
   a. HDU2 & HDU5: ATS-ATUD6-2 WITH BP-5/8-2 WASHER.
   b. HDU8: ATS-ATUD9 WITH BP 7/8-2 WASHER AT HDU 8.
   c. EXTEND ANCHOR ROD ABOVE WALL PLATE PER SIMPSON REQUIREMENTS.
   d. PROVIDE BEARING PLATES ABOVE AND BELOW TAKE-UP-DEVICE PER SIMPSON REQUIREMENTS.
7. ANCHOR RODS AT HOLD DOWNS:
   a. HDU 5: SIMPSON TITEN HD 5/8"x10".
   b. HDU 8 : 7/8" DIAMETER A36 THREADED ROD, POST INSTALLED, EMBEDDED 12" INTO CONCRETE. EPOXY WITH HILTI HY-200 ADHESIVE SYSTEM.
8. FOR EXTERIOR WALL SHEAR WALLS WITH WINDOW OPENINGS, REFER TO DETAIL 2/S303 FOR STRAPPING AND BLOCKING REQUIREMENTS.

WALL LEGEND:

INTERIOR BEARING - SEE BEARING WALL SCHEDULE

SHEAR WALL - SEE SHEAR WALL SCHEDULE & BEARING WALL SCHEDULE

ROOF FRAMING NOTES:

1. ROOF CONSTRUCTION IS 7/16" T&G OSB SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES AT 24" ON CENTER OR WOOD JOISTS WHERE NOTED (SEE PLAN) ANCHOR EACH END OF COMMON TRUSSES WITH SIMPSON H2.5T TIE. SEE DETAIL 1/S300 FOR SHEATHING REQUIREMENTS.
2. SEE ARCH DRAWINGS FOR WALL LAYOUT AND DIMENSIONS.
3. REPRESENTS ROOF TRUSS OVERBUILD.
4. SEE ARCH FOR ROOF SLOPE AND DIRECTION.
5. REPRESENTS FIRE RETARDANT TREATED (FRT) SHEATHING REQUIRED WITHIN FOUR (4) FEET OF SHEAR WALLS THAT ARE ALSO FIREWALLS.
6. ELEVATOR WALLS TO BE 8" CMU w/ #5'S @ CORNERS & #5 @ 32" O.C. HORIZONTAL JOINT LADDER REINFORCEMENT @ 16" PLACE (2) #5 AROUND MASONRY OPENINGS.
7. ALIGN GABLE END STYLE TRUSSES OVER SHEAR WALLS TO ALIGN SHEATHED SIDE OF TRUSS WITH SHEAR WALL SHEATHING.
8. ELEVATOR HOIST BEAM IS W8x18, POCKET EACH END 6" INTO CMU AND DRYPACK POCKET SOLID. VERIFY ELEVATION OF HOIST BEAM WITH ARCHITECT AND ELEVATOR SUPPLIER.
9. RECESS BOTTOM CHORD OF ROOF TRUSS 1'-0 1/2" FROM BOTTOM CHORD BEARING ELEVATION AT MECHANICAL CASSETTES. REFER TO ARCHITECTURAL BUILDING SECTION.

B1	512.9 FT
L1	4.3 FT
W8X18 HOIST BEAM	18.6 FT
B3	25.7 FT
B4	17.7 FT
B2 PT	298.4 FT
B2	5.8 FT
SW1	597.9 FT
SW3	82.8 FT
SW2	75.1 FT
GIRDER TRUSS	228.1 FT
6X6 POST - 8' H	12.0 EA
HIP TRUSS	158.7 FT
ROOF TRUSSES @ 24" O.C.	23822.3 SQ FT
B5	12.3 FT
2X6 FASCIA + 2X12 BLOCKING	925.8 FT
SIMPSON H2.5T STRAP	207.0 FT

EL SCHEDULE

SIZE	REINFORCING
U BOND BEAM	(2) #5 TOP & BOT.
x3-1/2x1/4"	
/2x1/4 LLV	

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SEAL

PROJECT TITLE

STONELEAF RESERVE

15503 DOUGLAS ROAD
MISHAWAKA, IN 46545

ISSUED FOR:	DATE
PERMIT	05/26/2025

REVISIONS

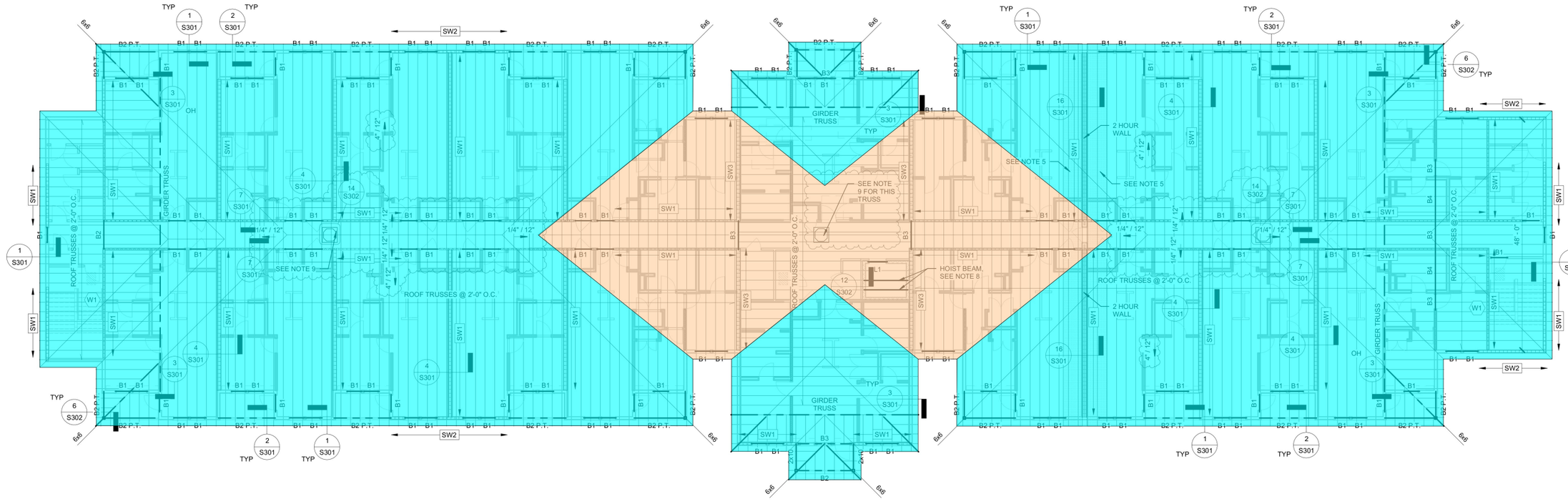
MARK	DESCRIPTION	DATE
	RFI 1	07/09/2025

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
24-008

SHEET TITLE
ROOF FRAMING PLAN

SHEET NUMBER
S104



1 ROOF FRAMING PLAN
3/32" = 1'-0"

COLUMN SCHEDULE

MARK	COLUMN	MATERIAL
C1	(3) 2X6	SPF NO. 2 OR BETTER
C2	3-1/2" x 5-1/4"	PARALLAM PSL 1.8E
C3	5-1/4" x 5-1/4"	PARALLAM PSL 1.8E
C4	3-1/2" x 7"	PARALLAM PSL 1.8E
C5	7" x 7"	PARALLAM PSL 1.8E

NOTE:
1. PROVIDE SOLID BLOCKING BELOW POSTS BETWEEN FLOOR LEVELS.

BEARING WALL SCHEDULE

LEVEL	LOCATION	SIZE
1ST FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	(3) 2x4 @ 24" OC
	CORRIDOR WALLS	(2) 2x4 @ 24" OC
	(W1)	(2) 2x4 @ 24" OC
	(W2)	(3) 2x4 @ 24" OC
	(W3)	(4) 2x4 @ 24" OC
	(W4)	(2) 2x6 @ 24" OC
	(W5)	2x4 @ 16" OC
	(W6)	(3) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC
2ND FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	(2) 2x4 @ 24" OC
	CORRIDOR WALLS	(2) 2x4 @ 24" OC
	(W1)	(2) 2x4 @ 24" OC
	(W2)	(3) 2x4 @ 24" OC
	(W3)	(2) 2x6 @ 24" OC
	(W4)	2x4 @ 16" OC
	(W5)	(3) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 16" OC
3RD FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	2x4 @ 24" OC
	CORRIDOR WALLS	2x4 @ 24" OC
	(W1)	(2) 2x4 @ 24" OC
	(W2)	2x4 @ 16" OC
	(W3)	(2) 2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC
4TH FLOOR	EXTERIOR WALLS	2x6 @ 16" OC
	DEMISING WALLS	2x4 @ 24" OC
	CORRIDOR WALLS	2x4 @ 24" OC
	(W1)	2x4 @ 16" OC
	ALL OTHER WALLS	2x4 @ 24" OC

NOTES:
1. ALL STUDS SPF NO. 2 OR BETTER. FIRST FLOOR WALL PLATES (TOP AND BOTTOM) ARE SOUTHERN YELLOW PINE NO. 1 OR BETTER. WALL PLATES FOR OTHER FLOORS/LEVELS SHALL BE SPF NO. 2 OR BETTER.
2. ALIGN STUDS WITH FLOOR TRUSSES.
3. 1ST FLOOR SILL PLATE TO BE PRESERVATIVE TREATED.
4. DEMISING WALLS ARE DOUBLE WALLS.

HEADER SCHEDULE

MARK	SIZE & TYPE	MATERIAL	BEARING	FRAMING AT EACH END	NOTES
B1	(2) 2x8	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B2	(2) 2x10	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B3	(2) 2x12	SPF #2 OR BETTER	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B4	(2) 1-3/4"x11-1/4"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B5	(2) 1-3/4"x11-7/8"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B6	(2) 1-3/4"x14"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B7	(2) 1-3/4"x16"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B8	(2) 1-3/4"x9-1/4"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B9	(3) 1-3/4"x14"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B10	(4) 1-3/4"x20"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	(4) JACK STUD & (1) FULL HEIGHT	
B11	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	3" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B12	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	6x6	

NOTE:
1. P.T. = PRESERVATIVE TREATED LUMBER.

SHEARWALL SCHEDULE

MARK	SHEATHING	NAILS AT PANEL EDGES	NAILS AT INTERM SUPPORTS	SILL ANCHOR BOLTS	HOLD DOWN ANCHOR EACH END	# OF STUDS AT HOLD DOWN ANCHOR
SW1	7/16" OSB	8d @ 6" OC	8d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU2-SDS2.5	(2)
SW2	7/16" OSB	10d @ 6" OC	10d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU5-SDS2.5	(2)
SW3	7/16" OSB	10d @ 4" OC	10d @ 12" OC	3/4" DIA. @ 4'-0" OC	HDU5-SDS2.5	(3)
SW4	15/32" OSB	10d @ 6" OC	10d @ 12" OC	3/4" DIA. @ 3'-0" OC	HDU8-SDS2.5	(4)

NOTES:
1. FIRST FLOOR WALL PLATES ARE SOUTHERN PINE NO. 1 OR BETTER. WALL PLATES FOR SHEAR WALLS ON OTHER FLOORS FLOORS SPF NO. 2 OR BETTER.
2. PROVIDE HOLD DOWN HANGER AT EACH END OF SHEARWALL. ATTACH TO STUDS WITH SIMPSON SDS SCREWS PER THE MANUFACTURER'S INSTRUCTIONS.
3. FOR MULTISTORY SHEAR WALL, CONNECT THE UPPER AND LOWER STUDS AT EACH END OF THE SHEAR WALL WITH HOLD DOWN ANCHORS, SEE DETAILS 4, 7, 8 AND 12/S300 USING ANCHORS SPECIFIED FOR THE UPPER FLOOR. CONNECT TO FOUNDATIONS PER DETAILS 9 AND 12/S200, 3 AND 4/S201.
4. PROVIDE SOLID BLOCKING AT ALL PANEL EDGES.
5. ALL HOLD-DOWN ANCHORS ARE SIMPSON MODELS.
6. PROVIDE SIMPSON TAKE-UP-DEVICE AT HOLD DOWN FOR ALL SHEAR WALL ANCHOR SYSTEMS AT SECOND FLOOR AND ABOVE.
   a. HDU2 & HDU5: ATS-ATUD6-2 WITH BP-5/8-2 WASHER.
   b. HDU8: ATS-ATUD9 WITH BP 7/8-2 WASHER AT HDU 8.
   c. EXTEND ANCHOR ROD ABOVE WALL PLATE PER SIMPSON REQUIREMENTS.
   d. PROVIDE BEARING PLATES ABOVE AND BELOW TAKE-UP-DEVICE PER SIMPSON REQUIREMENTS.
7. ANCHOR RODS AT HOLD DOWNS:
   a. HDU 5: SIMPSON TITEN HD 5/8"x10".
   b. HDU 8 : 7/8" DIAMETER A36 THREADED ROD, POST INSTALLED, EMBEDDED 12" INTO CONCRETE. EPOXY WITH HILTI HY-200 ADHESIVE SYSTEM.
8. FOR EXTERIOR WALL SHEAR WALLS WITH WINDOW OPENINGS, REFER TO DETAIL 2/S303 FOR STRAPPING AND BLOCKING REQUIREMENTS.

7/16" OSB ROOF SHEATHING — 3923.9 SQ FT
7/16" OSB ROOF SHEATHING — 20004.2 SQ FT

LINTEL SCHEDULE

MARK	SIZE	REINFORCING
L1	16" CMU BOND BEAM	(2) #5 TOP & BOT.
BL1	L 3-1/2x3-1/2x1/4"	
BL2	L 4x3-1/2x1/4 LLV	

WALL LEGEND:
- INTERIOR BEARING - SEE BEARING WALL SCHEDULE
- SHEAR WALL - SEE SHEAR WALL SCHEDULE & BEARING WALL SCHEDULE

ROOF FRAMING NOTES:
1. ROOF CONSTRUCTION IS 7/16" T&G OSB SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES AT 24" ON CENTER OR WOOD JOISTS WHERE NOTED (SEE PLAN) ANCHOR EACH END OF COMMON TRUSSES WITH SIMPSON H2.5T TIE. SEE DETAIL 1/S300 FOR SHEATHING REQUIREMENTS.
2. SEE ARCH DRAWINGS FOR WALL LAYOUT AND DIMENSIONS.
3. REPRESENTS ROOF TRUSS OVERBUILD.
4. SEE ARCH FOR ROOF SLOPE AND DIRECTION.
5. REPRESENTS FIRE RETARDANT TREATED (FRT) SHEATHING REQUIRED WITHIN FOUR (4) FEET OF SHEAR WALLS THAT ARE ALSO FIREWALLS.
6. ELEVATOR WALLS TO BE 8" CMU w/ #5'S @ CORNERS & #5 @ 32" O.C. HORIZONTAL JOINT LADDER REINFORCEMENT @ 16" PLACE (2) #5 AROUND MASONRY OPENINGS.
7. ALIGN GABLE END STYLE TRUSSES OVER SHEAR WALLS TO ALIGN SHEATHED SIDE OF TRUSS WITH SHEAR WALL SHEATHING.
8. ELEVATOR HOIST BEAM IS W8x18, POCKET EACH END 6" INTO CMU AND DRYPACK POCKET SOLID. VERIFY ELEVATION OF HOIST BEAM WITH ARCHITECT AND ELEVATOR SUPPLIER.
9. RECESS BOTTOM CHORD OF ROOF TRUSS 1'-0 1/2" FROM BOTTOM CHORD BEARING ELEVATION AT MECHANICAL CASSETTES. REFER TO ARCHITECTURAL BUILDING SECTION.

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SEAL

PROJECT TITLE

STONELEAF RESERVE

15503 DOUGLAS ROAD
MISHAWAKA, IN 46545

ISSUED FOR:	DATE
PERMIT	05/26/2025

REVISIONS

MARK	DESCRIPTION	DATE
	RFI 1	07/09/2025

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
24-008

SHEET TITLE
ROOF FRAMING PLAN

SHEET NUMBER
S104

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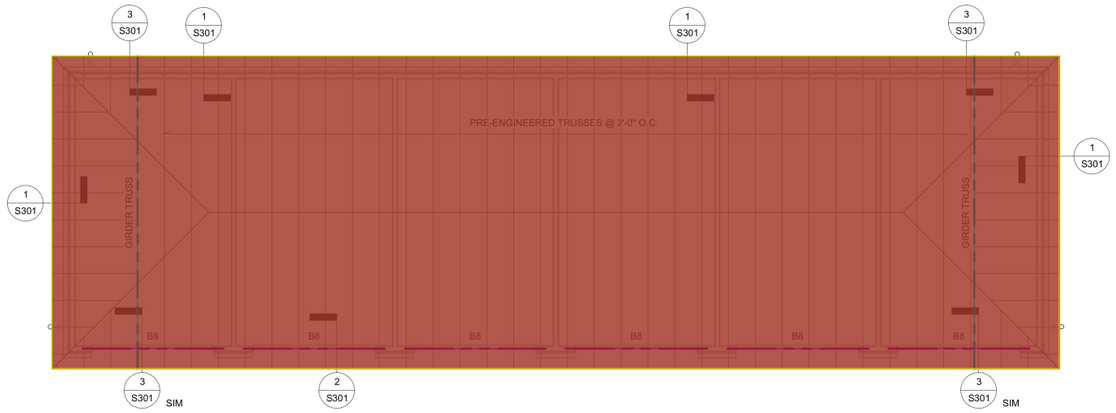
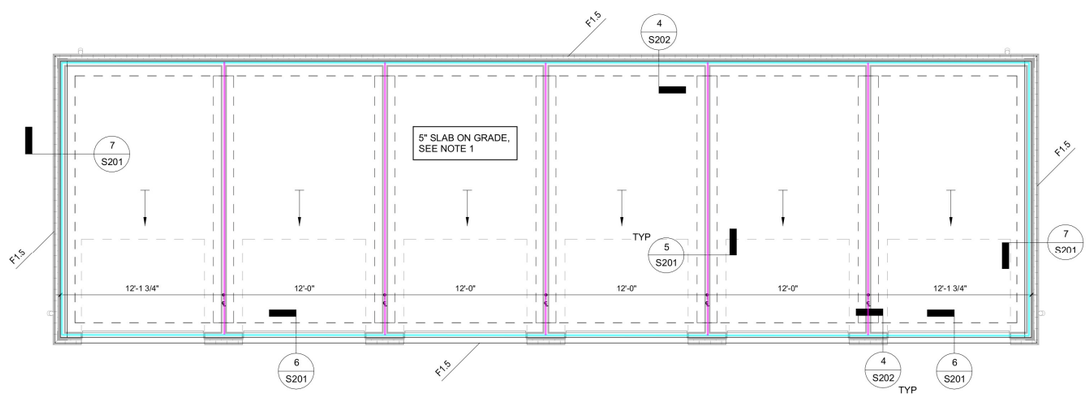


2 6 STANDARD BAY GARAGE - ROOF FRAMING PLAN
3/16" = 1'-0"

B8	64.0 FT
ROOF GIRDER TRUSSES	46.9 FT
PRE-ENGINEERED TRUSSES @ 2' O.C.	1749.2 SQ FT
(2X6) FASCIA	196.8 FT
(2X6) STUD @ 24" O.C. EXTERIOR WALL - 8' H	184.8 FT
(2X4) STUD @ 24" O.C. INTERIOR WALL - 8' H	101.9 FT
7/16" OSB ROOF SHEATHING	1755.9 SQ FT



1 6 STANDARD BAY GARAGE - FOUNDATION PLAN
3/16" = 1'-0"

ROOF FRAMING NOTES:

1. ROOF CONSTRUCTION IS 7/16" T&G OSB SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES AT 24" ON CENTER OR WOOD JOISTS WHERE NOTED (SEE PLAN) ANCHOR EACH END OF COMMON TRUSSES WITH SIMPSON H2.5T TIE. SEE DETAIL 1/S300 FOR SHEATHING REQUIREMENTS.
2. SEE ARCH DRAWINGS FOR WALL LAYOUT AND DIMENSIONS.
3. REPRESENTS ROOF TRUSS OVERBUILD.
4. SEE ARCH FOR ROOF SLOPE AND DIRECTION.
5. REPRESENTS FIRE RETARDANT TREATED (FRT) SHEATHING REQUIRED WITHIN FOUR (4) FEET OF SHEAR WALLS THAT ARE ALSO FIREWALLS.
6. ELEVATOR WALLS TO BE 8" CMU w/ #5'S @ CORNERS & #5 @ 32" O.C. HORIZONTAL JOINT LADDER REINFORCEMENT @ 16" PLACE (2) #5 AROUND MASONRY OPENINGS.
7. ALIGN GABLE END STYLE TRUSSES OVER SHEAR WALLS TO ALIGN SHEATHED SIDE OF TRUSS WITH SHEAR WALL SHEATHING.
8. ELEVATOR HOIST BEAM IS W8x18, POCKET EACH END 6" INTO CMU AND DRYPACK POCKET SOLID. VERIFY ELEVATION OF HOIST BEAM WITH ARCHITECT AND ELEVATOR SUPPLIER.

HEADER SCHEDULE

MARK	SIZE & TYPE	MATERIAL	BEARING	FRAMING AT EACH END	NOTES
B1	(2) 2x8	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B2	(2) 2x10	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B3	(2) 2x12	SPF #2 OR BETTER	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B4	(2) 1-3/4"x11-1/4"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B5	(2) 1-3/4"x11-7/8"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B6	(2) 1-3/4"x14"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B7	(2) 1-3/4"x16"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B8	(2) 1-3/4"x9-1/4"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B9	(3) 1-3/4"x14"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B10	(4) 1-3/4"x20"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	(4) JACK STUD & (1) FULL HEIGHT	
B11	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	3" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B12	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	6x6	

NOTE:
1. P.T. = PRESERVATIVE TREATED LUMBER.

BEARING WALL SCHEDULE

LEVEL	LOCATION	SIZE
1ST FLOOR	EXTERIOR WALLS	2x6 @ 24" OC

NOTES:
1. ALL STUDS SPF NO. 2 OR BETTER.
2. 1ST FLOOR SILL PLATE TO BE PRESERVATIVE TREATED.

FOUNDATION NOTES:

1. 5" CONCRETE SLAB-ON-GRADE w/ 6x6 W2.9xW2.9 WELDED WIRE FABRIC PLACED AT MID-DEPTH OF SLAB OVER 6" COMPACTED GRANULAR SOIL. SLOPE SLAB TOWARD GARAGE DOORS. PROVIDE CONTROL JOINTS AT 14'-0" O.C. MAXIMUM EACH DIRECTION. SAW CUT JOINTS 1" MIN. INTO SLAB.
2. TOP OF SLAB EQUALS 100'-0:, U.N. SEE SITE/CIVIL PLANS.
3. SEE ARCHITECTURAL DRAWINGS FOR INTERIOR WALL LAYOUT AND DIMENSIONS.
4. SEE GEOTECHNICAL REPORT FOR FOUNDATION BEARING AND SUB-GRADE REQUIREMENTS.
5. PROVIDE DOWELS AND FROST SLAB AT ALL EXTERIOR DOORWAYS, SEE DETAIL 10/S200.
6. DO NOT SCALE DRAWINGS.

FOUNDATION SCHEDULE

MARK	SIZE (WIDTH x HEIGHT)	REINFORCEMENT
F1.5	1'-6" x 3'-6" x CONT.	(2) #5 CONT. TOP & BOT.
F1.5T	1'-6" x 1'-0" x CONT.	(2) #5 CONT.
F2.0	2'-0" x 3'-6" x CONT.	(3) #5 CONT. TOP & BOT.
F2.0T	2'-0" x 1'-0" x CONT.	(3) #5 CONT.
F2.5	2'-6" x 3'-6" x CONT.	(3) #5 CONT. TOP & BOT.
F2.5T	2'-6" x 1'-0" x CONT.	(3) #5 CONT.
F3.0T	3'-0" x 1'-0" x CONT.	(3) #5 CONT.
F3.0AT	3'-0" x 3'-0" x 1'-0"	(3) #5 E.W.
F3.5T	3'-6" x 3'-6" x 1'-0"	(4) #5 E.W.
F4.0	4'-0" x 4'-0" x 1'-0"	(4) #5 E.W.
F4.0T	4'-0" x 4'-0" x 1'-0"	(4) #5 E.W.
F4.5T	4'-6" x 4'-6" x 1'-4"	(4) #5 EACH WAY, TOP & BOTTOM
F5.5T	5'-6" x 5'-6" x 1'-2"	(5) #5 E.W.
F10.5	10'-6" x 9'-6" X 1'-4"	#5 @ 12" O.C. EACH WAY

NOTE: "T" = THICKENED SLAB FOUNDATION

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SEAL

5-26-25

THOMAS A. PALMER JR. — REGISTERED — NO. PE11700494 — STATE OF INDIANA — PROFESSIONAL ENGINEER

PROJECT TITLE

STONELEAF RESERVE
15503 DOUGLAS ROAD
MISHAWAKA, IN 46545

ISSUED FOR:	DATE
PERMIT	05/26/2025

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
24-008

SHEET TITLE
6 STANDARD BAY GARAGE - STRUCTURAL PLANS

SHEET NUMBER
SG-100

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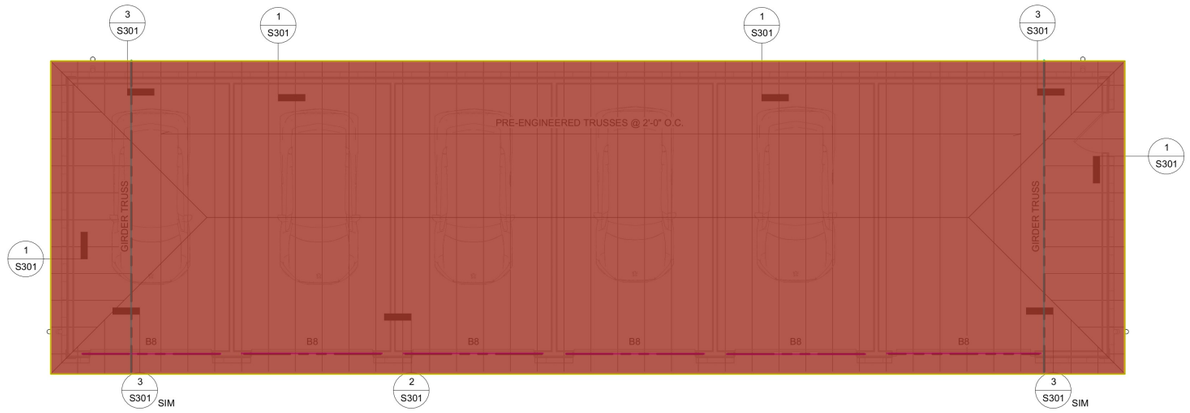
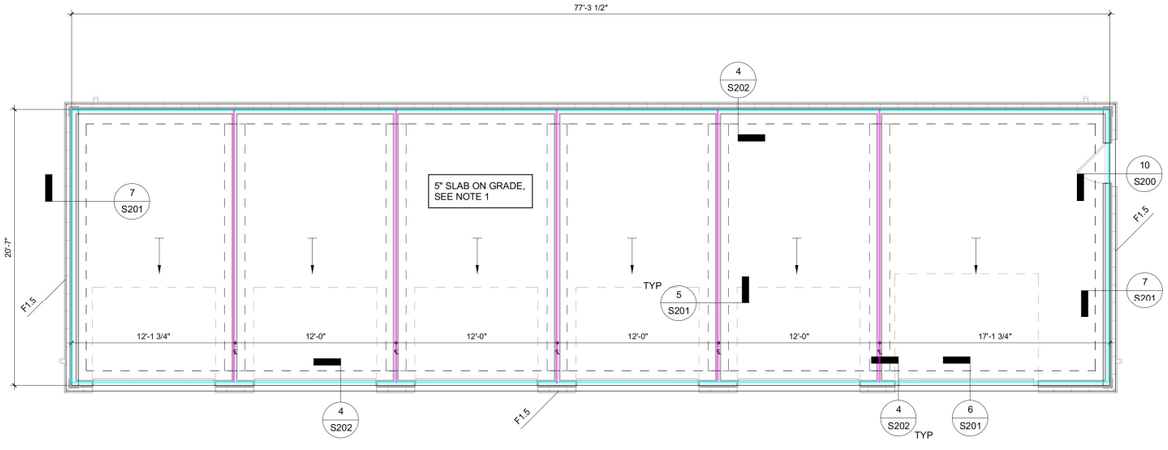


2 5-BAY + 1 ACC. BAY GARAGE - ROOF FRAMING PLAN
3/16" = 1'-0"

(2X6) STUD @ 24" O.C. EXTERIOR WALL - 9'-3" H	195.1 FT
(2X4) STUD @ 24" O.C. INTERIOR WALL - 9'-3" H	102.0 FT
B8	63.9 FT
ROOF GIRDER TRUSSES	46.8 FT
PRE-ENGINEERED TRUSSES @ 2' O.C.	1869.0 SQ FT
(2X6) FASCIA	206.8 FT
7/16" OSB ROOF SHEATHING	1876.1 SQ FT



1 5-BAY + 1 ACC. BAY GARAGE - FOUNDATION PLAN
3/16" = 1'-0"

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ROOF FRAMING NOTES:

1. ROOF CONSTRUCTION IS 7/16" T&G OSB SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES AT 24" ON CENTER OR WOOD JOISTS WHERE NOTED (SEE PLAN) ANCHOR EACH END OF COMMON TRUSSES WITH SIMPSON H2.5T TIE. SEE DETAIL 1/S300 FOR SHEATHING REQUIREMENTS.
2. SEE ARCH DRAWINGS FOR WALL LAYOUT AND DIMENSIONS.
3. REPRESENTS ROOF TRUSS OVERBUILD.
4. SEE ARCH FOR ROOF SLOPE AND DIRECTION.
5. REPRESENTS FIRE RETARDANT TREATED (FRT) SHEATHING REQUIRED WITHIN FOUR (4) FEET OF SHEAR WALLS THAT ARE ALSO FIREWALLS.
6. ELEVATOR WALLS TO BE 8" CMU w/ #5'S @ CORNERS & #5 @ 32" O.C. HORIZONTAL JOINT LADDER REINFORCEMENT @ 16" PLACE (2) #5 AROUND MASONRY OPENINGS.
7. ALIGN GABLE END STYLE TRUSSES OVER SHEAR WALLS TO ALIGN SHEATHED SIDE OF TRUSS WITH SHEAR WALL SHEATHING.
8. ELEVATOR HOIST BEAM IS W8x18, POCKET EACH END 6" INTO CMU AND DRYPACK POCKET SOLID. VERIFY ELEVATION OF HOIST BEAM WITH ARCHITECT AND ELEVATOR SUPPLIER.

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HEADER SCHEDULE

MARK	SIZE & TYPE	MATERIAL	BEARING	FRAMING AT EACH END	NOTES
B1	(2) 2x8	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B2	(2) 2x10	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B3	(2) 2x12	SPF #2 OR BETTER	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B4	(2) 1-3/4"x11-1/4"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B5	(2) 1-3/4"x11-7/8"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B6	(2) 1-3/4"x14"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B7	(2) 1-3/4"x16"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B8	(2) 1-3/4"x9-1/4"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B9	(3) 1-3/4"x14"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B10	(4) 1-3/4"x20"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	(4) JACK STUD & (1) FULL HEIGHT	
B11	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	3" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B12	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	6x6	

NOTE:
1. P.T. = PRESERVATIVE TREATED LUMBER.

BEARING WALL SCHEDULE

LEVEL	LOCATION	SIZE
1ST FLOOR	EXTERIOR WALLS	2x6 @ 24" OC

NOTES:
1. ALL STUDS SPF NO. 2 OR BETTER.
2. 1ST FLOOR SILL PLATE TO BE PRESERVATIVE TREATED.

FOUNDATION NOTES:

1. 5" CONCRETE SLAB-ON-GRADE w/ 6x6 W2.9xW2.9 WELDED WIRE FABRIC PLACED AT MID-DEPTH OF SLAB OVER 6" COMPACTED GRANULAR SOIL. SLOPE SLAB TOWARD GARAGE DOORS. PROVIDE CONTROL JOINTS AT 14'-0" O.C. MAXIMUM EACH DIRECTION. SAW CUT JOINTS 1" MIN. INTO SLAB.
2. TOP OF SLAB EQUALS 100'-0.; U.N. SEE SITE/CIVIL PLANS.
3. SEE ARCHITECTURAL DRAWINGS FOR INTERIOR WALL LAYOUT AND DIMENSIONS.
4. SEE GEOTECHNICAL REPORT FOR FOUNDATION BEARING AND SUB-GRADE REQUIREMENTS.
5. PROVIDE DOWELS AND FROST SLAB AT ALL EXTERIOR DOORWAYS, SEE DETAIL 10/S200.
6. DO NOT SCALE DRAWINGS.

FOUNDATION SCHEDULE

MARK	SIZE (WIDTH x HEIGHT)	REINFORCEMENT
F1.5	1'-6" x 3'-6" x CONT.	(2) #5 CONT. TOP & BOT.
F1.5T	1'-6" x 1'-0" x CONT.	(2) #5 CONT.
F2.0	2'-0" x 3'-6" x CONT.	(3) #5 CONT. TOP & BOT.
F2.0T	2'-0" x 1'-0" x CONT.	(3) #5 CONT.
F2.5	2'-6" x 3'-6" x CONT.	(3) #5 CONT. TOP & BOT.
F2.5T	2'-6" x 1'-0" x CONT.	(3) #5 CONT.
F3.0T	3'-0" x 1'-0" x CONT.	(3) #5 CONT.
F3.0AT	3'-0" x 3'-0" x 1'-0"	(3) #5 E.W.
F3.5T	3'-6" x 3'-6" x 1'-0"	(4) #5 E.W.
F4.0	4'-0" x 4'-0" x 1'-0"	(4) #5 E.W.
F4.0T	4'-0" x 4'-0" x 1'-0"	(4) #5 E.W.
F4.5T	4'-6" x 4'-6" x 1'-4"	(4) #5 EACH WAY, TOP & BOTTOM
F5.5T	5'-6" x 5'-6" x 1'-2"	(5) #5 E.W.
F10.5	10'-6" x 9'-6" X 1'-4"	#5 @ 12" O.C. EACH WAY

NOTE: "T" = THICKENED SLAB FOUNDATION

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SEAL

5-26-25
THOMAS A. PALARA
REGISTERED
NO. PE11700494
STATE OF INDIANA
PROFESSIONAL ENGINEER

PROJECT TITLE

STONELEAF RESERVE

15503 DOUGLAS ROAD
MISHAWAKA, IN 46545

ISSUED FOR:	DATE
PERMIT	05/26/2025

REVISIONS

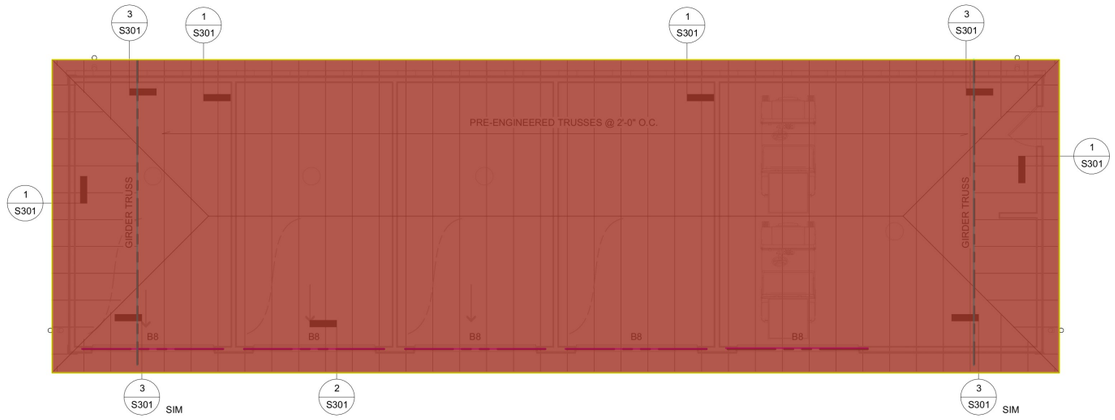
MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
24-008

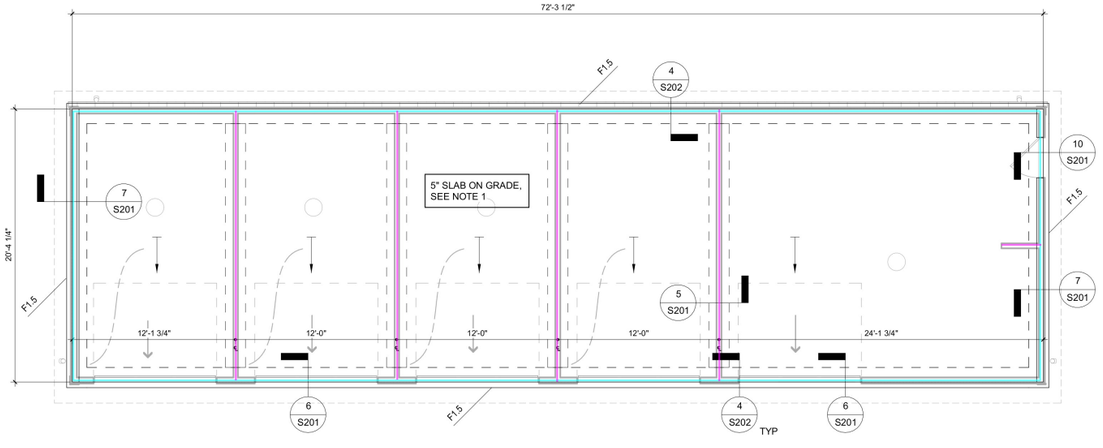
SHEET TITLE
5-BAY + 1 ACC. BAY GARAGE - STRUCTURAL PLANS

SHEET NUMBER
SG-101



2 4 BAY GARAGE + MAINTENANCE BAY - ROOF FRAMING PLAN
3/16" = 1'-0"

(2X6) STUD @ 24" O.C. EXTERIOR WALL - 9' H	184.3 FT
(2X4) STUD @ 24" O.C. INTERIOR WALL - 9' H	83.8 FT
B8	53.2 FT
ROOF GIRDER TRUSSES	45.8 FT
PRE-ENGINEERED TRUSSES @ 2' O.C.	1751.0 SQ FT
(2X6) FASCIA	196.8 FT
7/16" OSB ROOF SHEATHING	1757.6 SQ FT



1 4 BAY GARAGE + MAINTENANCE BAY - FOUNDATION PLAN
3/16" = 1'-0"

ROOF FRAMING NOTES:

1. ROOF CONSTRUCTION IS 7/16" T&G OSB SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES AT 24" ON CENTER OR WOOD JOISTS WHERE NOTED (SEE PLAN) ANCHOR EACH END OF COMMON TRUSSES WITH SIMPSON H2.5T TIE. SEE DETAIL 1/S300 FOR SHEATHING REQUIREMENTS.
2. SEE ARCH DRAWINGS FOR WALL LAYOUT AND DIMENSIONS.
3. REPRESENTS ROOF TRUSS OVERBUILD.
4. SEE ARCH FOR ROOF SLOPE AND DIRECTION.
5. REPRESENTS FIRE RETARDANT TREATED (FRT) SHEATHING REQUIRED WITHIN FOUR (4) FEET OF SHEAR WALLS THAT ARE ALSO FIREWALLS.
6. ELEVATOR WALLS TO BE 8" CMU w/ #5'S @ CORNERS & #5 @ 32" O.C. HORIZONTAL JOINT LADDER REINFORCEMENT @ 16" PLACE (2) #5 AROUND MASONRY OPENINGS.
7. ALIGN GABLE END STYLE TRUSSES OVER SHEAR WALLS TO ALIGN SHEATHED SIDE OF TRUSS WITH SHEAR WALL SHEATHING.
8. ELEVATOR HOIST BEAM IS W8x18, POCKET EACH END 6" INTO CMU AND DRYPACK POCKET SOLID. VERIFY ELEVATION OF HOIST BEAM WITH ARCHITECT AND ELEVATOR SUPPLIER.

HEADER SCHEDULE

MARK	SIZE & TYPE	MATERIAL	BEARING	FRAMING AT EACH END	NOTES
B1	(2) 2x8	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B2	(2) 2x10	SPF #2 OR BETTER	1 1/2" MIN. EACH END	(1) JACK STUD & (1) FULL HEIGHT	
B3	(2) 2x12	SPF #2 OR BETTER	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B4	(2) 1-3/4"x11-1/4"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B5	(2) 1-3/4"x11-7/8"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B6	(2) 1-3/4"x14"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B7	(2) 1-3/4"x16"	MICROLAM LVL 1.9E	4-1/2" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B8	(2) 1-3/4"x9-1/4"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B9	(3) 1-3/4"x14"	MICROLAM LVL 1.9E	3" MIN. EACH END	(2) JACK STUD & (1) FULL HEIGHT	
B10	(4) 1-3/4"x20"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	(4) JACK STUD & (1) FULL HEIGHT	
B11	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	3" MIN. EACH END	(3) JACK STUD & (1) FULL HEIGHT	
B12	(3) 1-3/4"x16"	MICROLAM LVL 1.9E	5-1/2" MIN. EACH END	6x6	

NOTE:
1. P.T. = PRESERVATIVE TREATED LUMBER.

BEARING WALL SCHEDULE

LEVEL	LOCATION	SIZE
1ST FLOOR	EXTERIOR WALLS	2x6 @ 24" OC

NOTES:
1. ALL STUDS SPF NO. 2 OR BETTER.
2. 1ST FLOOR SILL PLATE TO BE PRESERVATIVE TREATED.

FOUNDATION NOTES:

1. 5" CONCRETE SLAB-ON-GRADE w/ 6x6 W2.9xW2.9 WELDED WIRE FABRIC PLACED AT MID-DEPTH OF SLAB OVER 6" COMPACTED GRANULAR SOIL. SLOPE SLAB TOWARD GARAGE DOORS. PROVIDE CONTROL JOINTS AT 14'-0" O.C. MAXIMUM EACH DIRECTION. SAW CUT JOINTS 1" MIN. INTO SLAB.
2. TOP OF SLAB EQUALS 100'-0", U.N. SEE SITE/CIVIL PLANS.
3. SEE ARCHITECTURAL DRAWINGS FOR INTERIOR WALL LAYOUT AND DIMENSIONS.
4. SEE GEOTECHNICAL REPORT FOR FOUNDATION BEARING AND SUB-GRADE REQUIREMENTS.
5. PROVIDE DOWELS AND FROST SLAB AT ALL EXTERIOR DOORWAYS, SEE DETAIL 10/S200.
6. DO NOT SCALE DRAWINGS.

FOUNDATION SCHEDULE

MARK	SIZE (WIDTH x HEIGHT)	REINFORCEMENT
F1.5	1'-6" x 3'-6" x CONT.	(2) #5 CONT. TOP & BOT.
F1.5T	1'-6" x 1'-0" x CONT.	(2) #5 CONT.
F2.0	2'-0" x 3'-6" x CONT.	(3) #5 CONT. TOP & BOT.
F2.0T	2'-0" x 1'-0" x CONT.	(3) #5 CONT.
F2.5	2'-6" x 3'-6" x CONT.	(3) #5 CONT. TOP & BOT.
F2.5T	2'-6" x 1'-0" x CONT.	(3) #5 CONT.
F3.0T	3'-0" x 1'-0" x CONT.	(3) #5 CONT.
F3.0AT	3'-0" x 3'-0" x 1'-0"	(3) #5 E.W.
F3.5T	3'-6" x 3'-6" x 1'-0"	(4) #5 E.W.
F4.0	4'-0" x 4'-0" x 1'-0"	(4) #5 E.W.
F4.0T	4'-0" x 4'-0" x 1'-0"	(4) #5 E.W.
F4.5T	4'-6" x 4'-6" x 1'-4"	(4) #5 EACH WAY, TOP & BOTTOM
F5.5T	5'-6" x 5'-6" x 1'-2"	(5) #5 E.W.
F10.5	10'-6" x 9'-6" X 1'-4"	#5 @ 12" O.C. EACH WAY

NOTE: "T" = THICKENED SLAB FOUNDATION

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SEAL
5-26-25
THOMAS A. PALARSKI
REGISTERED
NO.
PE1700494
STATE OF
INDIANA
PROFESSIONAL ENGINEER

PROJECT TITLE
STONELEAF RESERVE
15503 DOUGLAS ROAD
MISHAWAKA, IN 46545

ISSUED FOR:	DATE
PERMIT	05/26/2025

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
24-008

SHEET TITLE
4 BAY GARAGE + MAINTENANCE BAY - STRUCTURAL PLANS

SHEET NUMBER
SG-102

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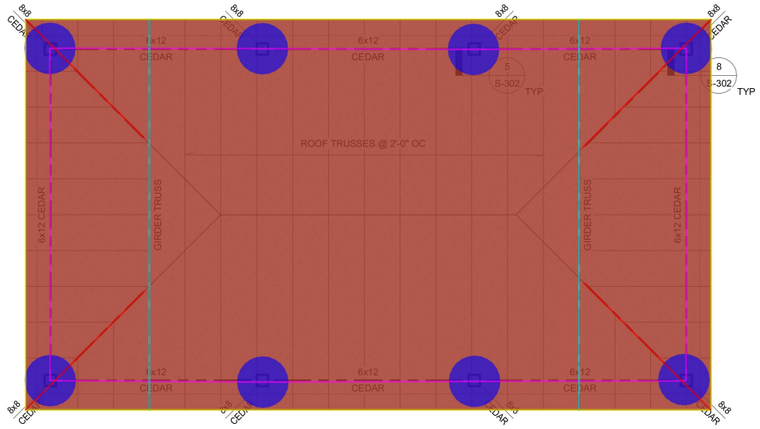
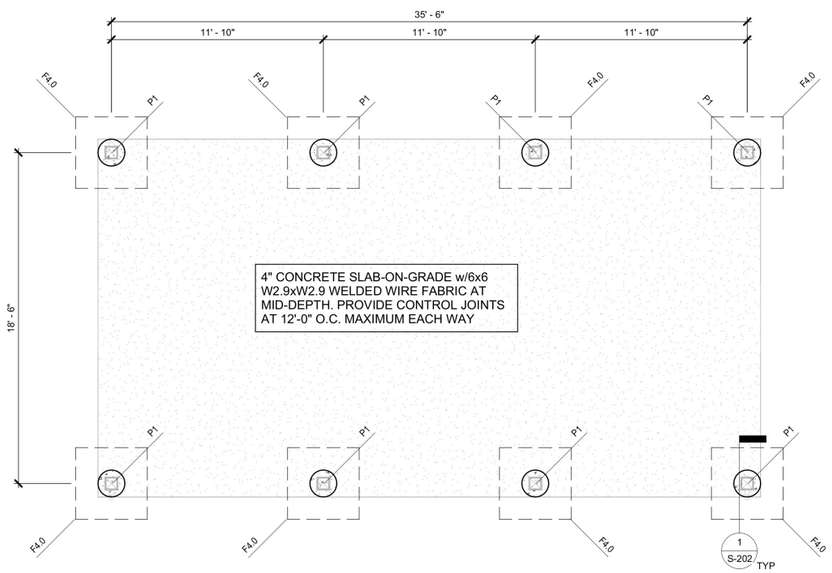


2 ENTERTAINMENT AREA - ROOF FRAMING PLAN
1/4" = 1'-0"



1 ENTERTAINMENT AREA - FOUNDATION PLAN
1/4" = 1'-0"

8X8 POST - 9' H	8.0 EA
(6X12) CEDAR BEAM	108.3 FT
ROOF GIRDER TRUSSES	43.6 FT
ROOF TRUSSES @ 2' O.C.	835.6 SQ FT
(2X6) FASCIA	120.3 FT
HIP TRUSS	39.0 FT
7/16" OSB ROOF SHEATHING	839.0 SQ FT

PIER SCHEDULE

MARK	SIZE	REINFORCEMENT	DETAIL
P1	18" DIA.	(4) #5 VERT.	1/S202

FOUNDATION SCHEDULE

MARK	SIZE	REINFORCEMENT
F3.5	3'-6"x3'-6"x10"	(4) #5 EACH WAY
F4.0	4'-0"x4'-0"x1'-0"	(4) #5 EACH WAY, TOP & BOT.

ROOF FRAMING NOTES:

1. ROOF CONSTRUCTION IS 7/16" OSB SHEATHING OVER PRE-ENGINEERED WOOD TRUSSES AT 24" ON CENTER OR WOOD JOISTS WHERE NOTED (SEE PLAN) ANCHOR EACH END OF COMMON TRUSSES WITH SIMPSON H2.5T TIE. SEE DETAIL 1/S300 FOR SHEATHING REQUIREMENTS.
2. POSTS AND BEAMS ARE NO. 1 WESTERN RED CEDAR.
3. SEE ARCH FOR ROOF SLOPE AND DIRECTION.

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24-008

SHEET TITLE
ENTERTAINMENT PAVILION STRUCTURAL PLANS

SHEET NUMBER
SP-004

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