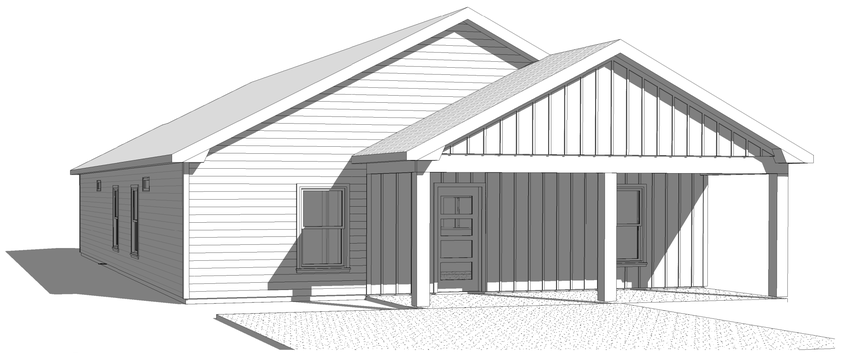
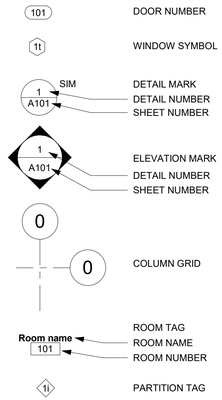
Habitat for Humanity



12 PERSPECTIVE - FRONT

SYMBOL LEGEND



APPLICABLE CODES

INTERNATIONAL RESIDENTIAL CODE (IRC), 2021 EDITION
AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE), 7-22
AMERICAN CONCRETE INSTITUTE (ACE), 318
ASCE 7-22 - WIND SPEED 126 MPH

PROJECT AREAS

FIRST FLOOR HEATED	1,820 S.F.
TOTAL HEATED	1,820 S.F.
FRONT PORCH	204 S.F.
REAR PORCH	150 S.F.
TOTAL NON-HEATED	354 S.F.
FIRST FLOOR GROSS	1,820 S.F.
TOTAL UNDER ROOF AREA	2,174 S.F.

AREA DEFINITIONS

HEATED AREA IS MEASURED FROM THE OUTSIDE FACE OF STUD OF ALL CONDITIONED AREAS.

GROSS AREA IS MEASURED TO OUTSIDE FACE OF SLAB (NOT INCLUDING PORCHES)

TOTAL UNDER ROOF = TOTAL GROSS + PORCHES

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. NOTIFY ARCHITECT/OWNER OF ANY DISCREPANCIES FOR CLARIFICATION.

2. ALL WORK IS TO BE ACCOMPLISHED TO MEET ALL LOCAL, STATE, AND FEDERAL CODES AND ALL AUTHORITIES HAVING JURISDICTION.

3. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT/OWNER OF ANY DISCREPANCIES PRIOR TO BIDDING.

4. CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND COORDINATION OF ALL CONDUIT, PIPING AND DUCTWORK WITH THE VARIOUS TRADES.

5. THE CONTRACTOR/S SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.

6. CONTRACTOR SHALL VERIFY DIMENSIONS OF EXISTING CONDITIONS, LAYOUT AND OBTAIN APPROVAL OF ARCHITECT/OWNER PRIOR TO BEGINNING CONSTRUCTION.

7. CONTRACTOR SHALL VERIFY ALL UTILITY CONNECTION LOCATIONS IN FIELD PRIOR TO CONTRUCTION.

8. INSTALL CULVERT AS REQUIRED BY CITY/PARISH. (WHERE APPLICABLE)

9. PROVIDE SITE DRAINAGE AWAY FROM HOUSE AND AWAY FROM ADJACENT HOMES.

SCOPE OF WORK

A NEW PRIVATE RESIDENCE FOR HABITAT FOR HUMANITY

INDEX OF DRAWINGS

PROJECT DIRECTORY

ARCHITECT
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sam@sbrarch.com

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823 W CONGRESS STREET
LAFAYETTE, LA 70501
CELL: 337-212-8211
OFFICE: 337-345-5520
stew@habitatlafayette.org

BUILDING PERMIT

THE BUILDING PERMIT SHALL BE SECURED AND PAID FOR BY THE GENERAL CONTRACTOR

Engineer's Note:
PACE Group LLC and the undersigned Professional Engineer has reviewed to the best of his knowledge and belief that the structural design presented herein meets the requirements of the IRC 2021, ASCE 7-16, and the requirements of the FORTIFIED certification. The undersigned Professional Engineer has only designed and/or reviewed the structural components and design of this project. All other architectural, MEP, and other non structural systems are by others.
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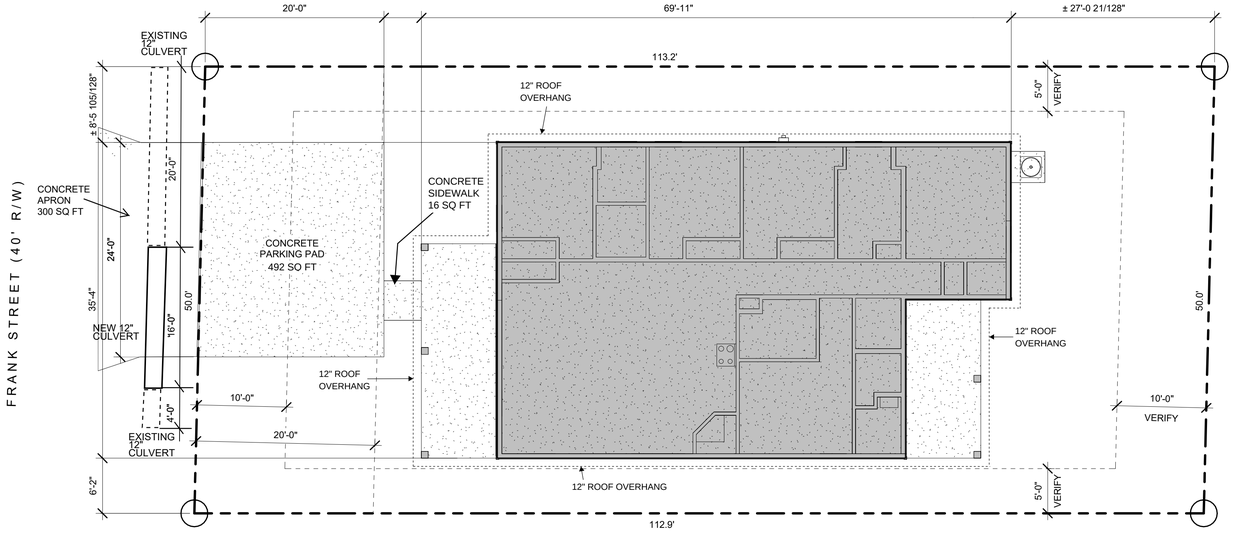
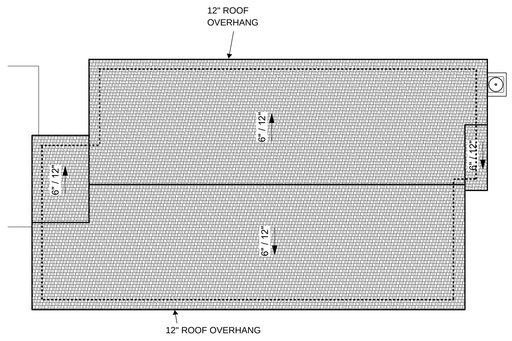


3 SITE PLAN
1/8" = 1'-0"



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

Habitat for Humanity®

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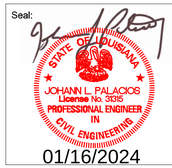
Seal:



01/16/2024

PACE GROUP LLC
(504) 206-3834
www.pacegroupllc.com
405 S. Jefferson Davis Pkwy
New Orleans, LA. 70119

Project:
NEW RESIDENCE FOR
HABITAT FOR HUMANITY
227 FRANK STREET
LAFAYETTE, LA 70501

No.	Description	Date

GENERAL INFORMATION, SITE PLAN & ROOF PLAN

Project number	2023.029
Date	11-28-2023
Drawn by	SR
Checked by	SR
Scale	As indicated

A-001

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FINISH SCHEDULE

Room Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Crown	Comments
BATH #1		3 1/4"	1/2" MOISTURE RESISTANT GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
BEDROOM #1		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
BEDROOM #2		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
BEDROOM #3		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
BEDROOM #4		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
CLOSET #1		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
CLOSET #2		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
CLOSET #3		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
CLOSET #4		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
COAT		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
HALL		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
KITCHEN		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
LAUNDRY		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
LIN #1		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
LIN #2		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
LIVING		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
MECH		N/A	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD			
O. BATH		3 1/4"	1/2" MOISTURE RESISTANT GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
O. BEDROOM		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
O. CLOSET		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
PANTRY		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
STORAGE		N/A	TYPE 'X' 5/8" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD, PAINTED	8'-0"		
TOILET		3 1/4"	1/2" MOISTURE RESISTANT GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		
VANITY		3 1/4"	1/2" GYPSUM BOARD, PAINTED	5/8" GYPSUM BOARD	8'-0"		

WINDOW SCHEDULE

Type Mark	R.O. Width	R.O. Height	Type	Material	Head Height	Comments
A	3'-0"	5'-0"	DOUBLE HUNG	CLAD EXTERIOR	6'-8"	DOUBLE PANE, INSULATED, IMPACT RATED
B	2'-0"	3'-0"	DOUBLE HUNG	CLAD EXTERIOR	6'-8"	DOUBLE PANE, INSULATED, IMPACT RATED
C	3'-0"	1'-0"	FIXED	CLAD EXTERIOR	7'-4 1/2"	DOUBLE PANE, INSULATED, IMPACT RATED

WINDOW SCHEDULE REMARKS:

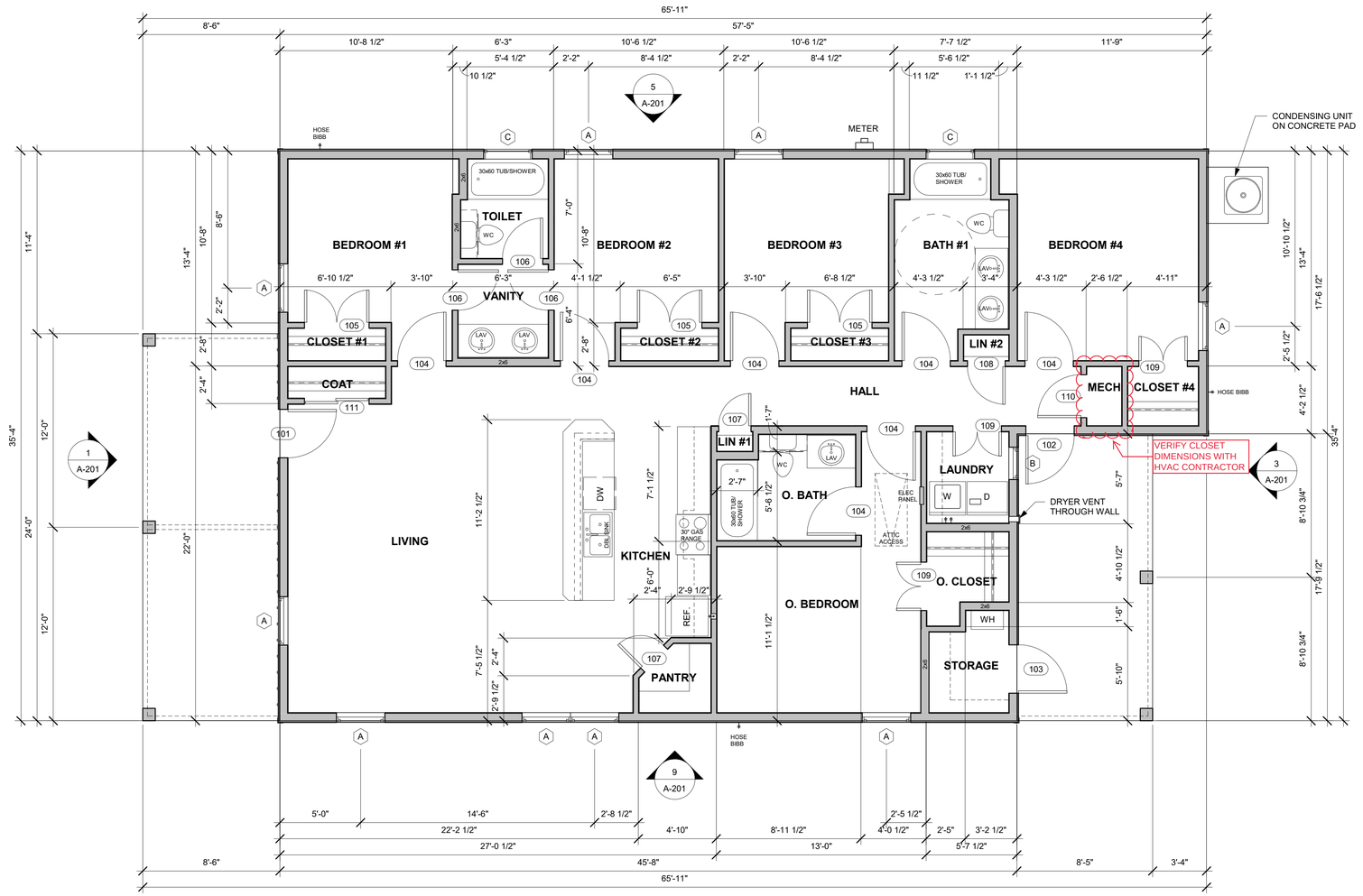
1. PROVIDE 1X4 FIBER CEMENT OR WOOD CASING AROUND DOORS IN LAP SIDING CONSTRUCTION

DOOR SCHEDULE

Mark	Door Width	Door Height	Door Thickness	Material	Comments
101	3'-0"	6'-8"	1 3/4"	FIBERGLASS FRAME DOOR W/ 1/2 LITE, PRESSURE RATED	WEATHERSTRIPPING, THRESHOLD
102	3'-0"	6'-8"	1 3/4"	6-PANEL, FIBERGLASS FRAME DOOR, RAISED PANEL, IMPACT	WEATHERSTRIPPING, THRESHOLD
103	3'-0"	6'-8"	1 3/4"	6-PANEL, FIBERGLASS FRAME DOOR, RAISED PANEL, IMPACT	WEATHERSTRIPPING, THRESHOLD
104	3'-0"	6'-8"	1 3/4"	6-PANEL, MOLDED HARDBOARD, RAISED PANEL	
105	4'-0"	6'-8"	1 3/4"	PAIR OF 6-PANEL, MOLDED HARDBOARD, RAISED PANEL	
106	2'-6"	6'-8"	1 3/4"	6-PANEL, MOLDED HARDBOARD, RAISED PANEL	
107	2'-0"	6'-8"	1 3/4"	6-PANEL, MOLDED HARDBOARD, RAISED PANEL	
108	2'-4"	6'-8"	1 3/4"	6-PANEL, MOLDED HARDBOARD, RAISED PANEL	
109	3'-0"	6'-8"	1 3/4"	PAIR OF 6-PANEL, MOLDED HARDBOARD, RAISED PANEL	
110	2'-8"	6'-8"	1 3/4"	6-PANEL, MOLDED HARDBOARD, RAISED PANEL	
111	4'-0"	6'-8"	1 3/4"	PAIR OF 6-PANEL,SLIDING BYPASS, MOLDED HARDBOARD, RAISED PANEL	

DOOR SCHEDULE REMARKS:

1. PROVIDE SYNTHETIC BRICK MOULD AROUND DOORS IN LAP SIDING CONSTRUCTION



1 FLOOR PLAN
1/4" = 1'-0"

Habitat for Humanity®

SAM RUE ARCHITECT

Sam Rue, Architect, LLC
phone: 337-581-2152
www.sbrarch.com

Seal:

Project:
NEW RESIDENCE FOR
HABITAT FOR HUMANITY
227 FRANK STREET
LAFAYETTE, LA 70501

No.	Description	Date

FIRST FLOOR PLAN

Project number	2023.029
Date	11-28-2023
Drawn by	SR
Checked by	SR
Scale	1/4" = 1'-0"

A-101

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GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, THE LIFE SAFETY CODE, ALL LOCAL AND STATE CODES, AND THE REQUIREMENTS AND RECOMMENDATIONS OF THE LOCAL POWER COMPANY.

2. ALL ELECTRICAL EQUIPMENT SHALL BE CONNECTED IN ACCORDANCE WITH THE INSTRUCTIONS OF THE RESPECTIVE MANUFACTURERS.

3. ALL ELECTRICAL EQUIPMENT FURNISHED SHALL BE NEW AND UL LISTED FOR THE EXACT APPLICATION FOR WHICH IT IS USED.

4. ALL CONDUCTORS SHALL BE COPPER AND UNLESS SHOWN OTHERWISE, THE MINIMUM SIZE SHALL BE #12 AWG. ALL CONDUCTORS #8 AWG OR LARGER SHALL BE STRANDED.

5. ELECTRICAL CABLES SHALL BE ROMEX. ELECTRICAL HAVING CONDUCTORS #10 AWG OR SMALLER SHALL BE HAVING "TW", "THW", OR "THWN".

6. THE CONTRACTOR SHALL HAVE ALL ELECTRICAL WORK WITH RESPECT TO THE SERVICE ENTRANCE AND METERING REQUIREMENTS APPROVED IN ADVANCE BY THE LOCAL POWER COMPANY. THE METER CENTERS FURNISHED BY THE CONTRACTORS SHALL BE APPROVED IN ADVANCE BY THE LOCAL POWER COMPANY.

7. THE CONRACTOR SHALL, AT HIS OWN COST, OBTAIN ALL NECESSARY PERMITS AND PAY ALL LEGAL FEES AND CHARGES. HE SHALL MAKE ARRANGEMENTS WITH THE LOCAL INSPECTION DEPARTMENT TO HAVE AN INSPECTOR MAKE PERIODIC INSPECTIONS AS THE ELECTRICAL WORK PROGRESSES.

8. THE SYSTEM OF WIRING SHALL BE 120/240, 10, 3W.

9. ALL GROUND RODS SHALL BE 3/4" DIAMTER X 10'-0" LONG COPPERWELD WITH BRONZE CLAMPS FOR CONNECTION OF GROUNDING CABLES.

10. ALL MATERIALS, LABOR, EQUIPMENT, AND SERVICES REQUIRED TO COMPLETE THE WORK FOR THIS PROJECT, UNLESS SPECIFICALLY STATED ON THE ELECTRICAL PLANS TO BE "SUPPLIED BY OWNER", SHALL BE FURNISHED BY THE CONTRACTOR.

11. ALL TEMPORARY ELECTRICAL SERVICE FOR CONSTRUCTION POWER SHALL BE FURNISHED, INSTALLED AND REMOVED BY THE CONTRACTOR. HE SHALL MAKE ARRANGEMENTS WITH THE POWER COMPANY, INCLUDING ARRANGEMENTS FOR METERING AND BILLING. ALL CONNECTIONS AND/ OR SERVICE CHARGES FOR THIS SERVICE ARE CONSIDERED PART OF THE CONTRACTOR'S CONTRACT AND SHALL BE PAID BY HIM. THIS SERVICE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, ALL LOCAL CODES, AND ALL REQUIREMENTS AND RECOMMENDATIONS OF THE POWER COMPANY.

12. ALL LIGHTING FIXTURES AND MECHINCAL EQUIPMENT SHALL BE COMPLETELY CONNECTED BY THE ELECTRICAL CONTRACTOR.

13. ALL NEW LIGHTING FIXTURES SHALL BE FURNISHED WITH LAMPS.

14. VERIFY ALL RECEPTACLE LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.

15. PROVIDE TYPEWRITTEN SCHEDULE INDICATING LOAD DESCRIPTION FOR ALL CIRCUITS IN PANEL ON PANEL DOOR.

16. ALL ELECTRICAL EQUIPMENT SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT PER INFORMATION FROM THE LOCAL UTILITY COMPANY.

17. VERIFY UTILITIES AND LOCATIONS WITH CONTRACTOR.

18. PROVIDE 108/220V SINGLE PHASE UNDERGROUND SERICE TO ELECTRICAL METER LOCATION AS INDICATED ON THE ELECTRICAL PLAN. USE 200 AMP LOAD CENTER WITH 24 CIRCUITS AND 8 SPARES MINIMUM. ELECTRICAL CONTRACTOR SHALL VERIFY SIZE OR SERVICE AND NOTIFY ARCHITECT IS DIFFERENT THAN INDICATED ABOVE.

19. SWITCHES: 4'-6" ABOVE FINISH FLOOR TO CENTERLINE OF SWITCH, UNLESS NOTED OTHERWISE.

20. INTERIOR WALL BRACKET FIXTURES: 6'-6" ABOVE FINISH WALKING SURFACE TO CENTERLINE OF BRACKET UNLESS NOTED OTHERWISE.

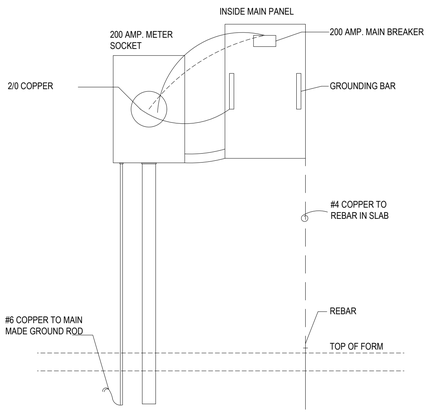
21. EXTERIOR WALL BRACKET FIXTURES: 6'-10" ABOVE FINISH WALKING SURFACE TO CENTERLINE OF BRACKET UNLESS NOTED OTHERWISE.

22. SMOKE DETECTORS: 110 VOLT, COORDINATE WITH ALARM SYSTEM. DETECTORS TO COMLY WITH WITH GOVERNING CODES AND REGULATIONS.

23. PROVIDE 220V JUNCTION BOX AND OTHER REQUIRED WIRING FOR HVAC UNITS. VERIFY LOCATION WITH CONTRACTOR.

24. VERIFY RANGE VENT POWER REQUIMENTS WITH THE SUPPLIER.

25. ALL EXTERIOR CONVENIENVE OUTLETS TO BE WATER PROOF AND ON A GROUND FAULT CIRCUIT.



ELECTRICAL LEGEND

LIGHT FIXTURES

- CEILING FAN
- CAN LIGHT
- 4' STRIP LIGHT
- WALL MOUNTED FIXTURE
- PENDANT FIXTURE
- SURFACE MOUNTED FIXTURE
- FLOOD LIGHT

OUTLETS

- OUTLET - 120V DUPLEX
- OUTLET - 120V DOUBLE DUPLEX
- OUTLET - SPECIAL OUTLET

NOTATIONS

BC	BELOW COUNTER
UC	UNDER WALL CABINET
CT	COUNTERTOP HEIGHT
AFC	ARC FAULT CIRCUIT
GFI	GROUND FAULT INTERRUPTOR
WP	WEATHERPROOF
WP/GFI	WEATHERPROOF GROUND FAULT INTERRUPTOR

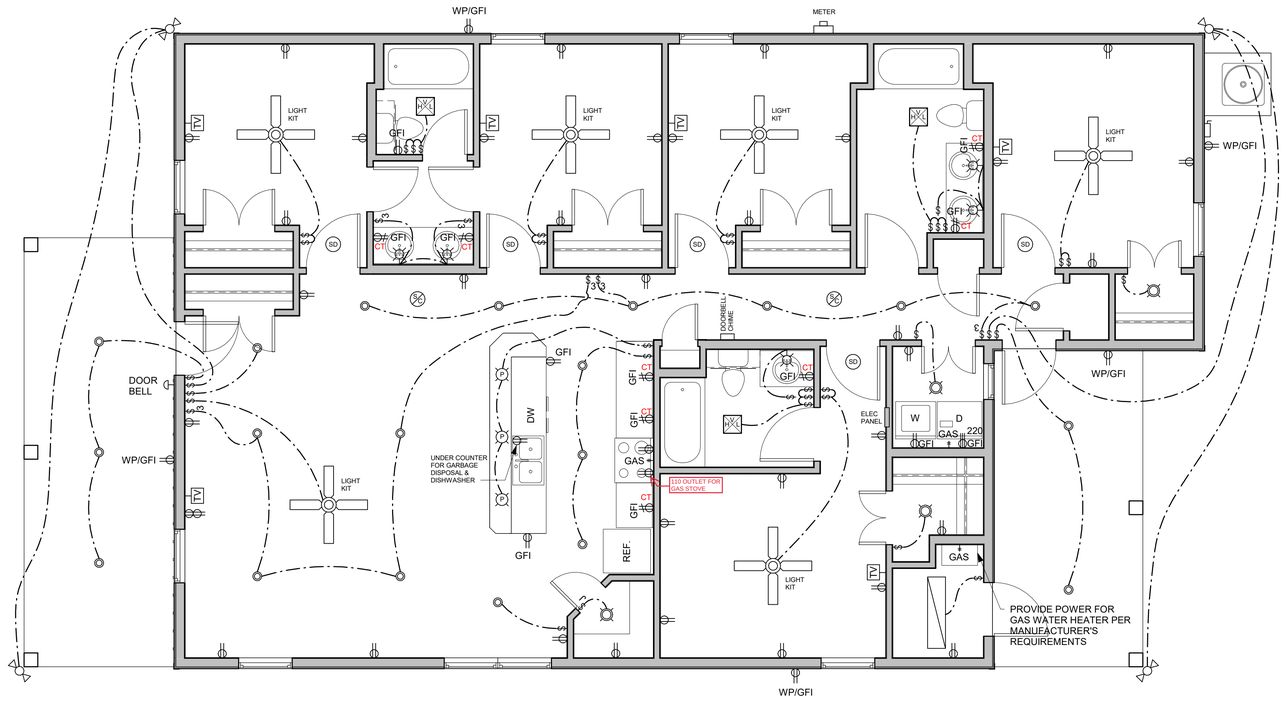
SWITCHES

- SWITCH - SINGLE
- SWITCH - THREE WAY
- SWITCH - FOUR WAY
- SWITCH - JAMB SWITCH
- SWITCH - DIMMER

COMMUNICATION & OTHER

- CATV, 75 OHM RG6 COAX
- SMOKE DETECTOR
- SMOKE/ CARBON MONOXIDE DETECTOR
- GARBAGE DISPOSAL
- HEATER/ VENT/ LIGHT
- EQUIPMENT ELECTRICAL DISCONNECT

Owner: Install all TV Data Boxes and Duplexes at 80" AFF and provide a Duplex at 18" AFF so as to meet code as required



1 FIRST FLOOR CEILING & POWER PLAN
1/4" = 1'-0"

Habitat for Humanity®

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Seal:

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NEW RESIDENCE FOR
HABITAT FOR HUMANITY
227 FRANK STREET
LAFAYETTE, LA 70501

No.	Description	Date

CEILING & POWER PLAN

Project number	2023.029
Date	11-28-2023
Drawn by	CD/SR
Checked by	SR

A-121

Scale 1/4" = 1'-0"

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ELEVATION NOTES

1. ALL WINDOW, DOOR, AND BEAM PERIMITERS SHALL BE SEALED WEATHER TIGHT PRIOR TO PLASTER APPLICATION.
2. VERIFY ROUGH OPENING HEIGHT OF WINDOWS TO ALIGN TOP OF ADJACENT INTERIOR DOOR & WINDOW TRIM.
3. ALL PLYWOOD JOINTS (ENDS, SIDES, AND CORNERS) SHALL HAVE A 1/8" GAP. DO NOT BUTT ANY JOINTS TIGHT.
4. DOWNSPOUTS SHALL BE LOCATED TO ALLOW DRAINAGE TO FLOW AWAY FROM HOUSE. ADJACENT STRUCTURES AND COMMON PROPERTY LINES. LOCATE DOWNSPOUTS IN NON-VISUALLY OFFENSIVE LOCATIONS. DO NOT LOCATE DOWNSPOUTS ON FRONT FACADE OF HOUSE OR ALONG FRONT FACING PORCH COLUMNS.

Engineer's Note:
PACE Group LLC and the undersigned Professional Engineer has reviewed to the best of his knowledge and belief that the structural design presented herein meets the requirements of the IRC 2021, ASCE 7-16, and the requirements of the FORTIFIED certification. The undersigned Professional Engineer has only designed and/or reviewed the structural components and design of this project. All other architectural, MEP, and other non structural systems are by others.
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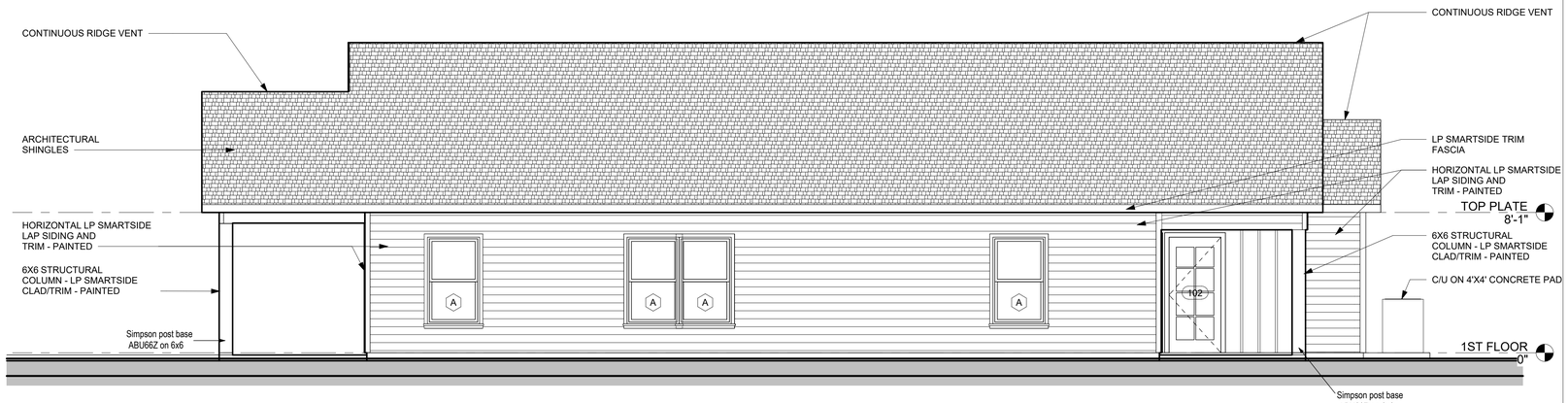
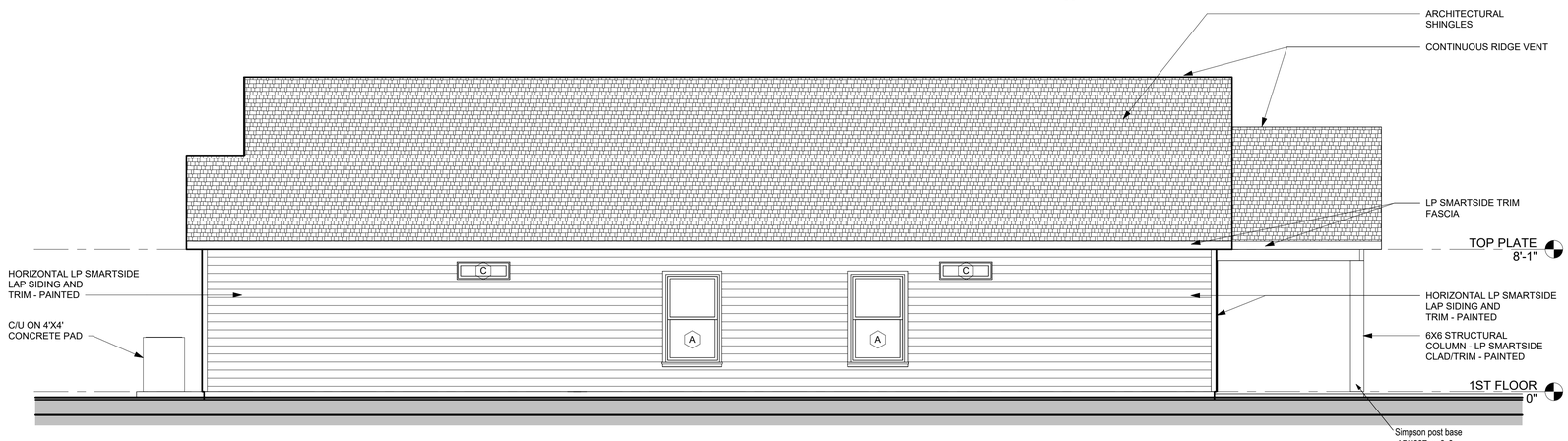
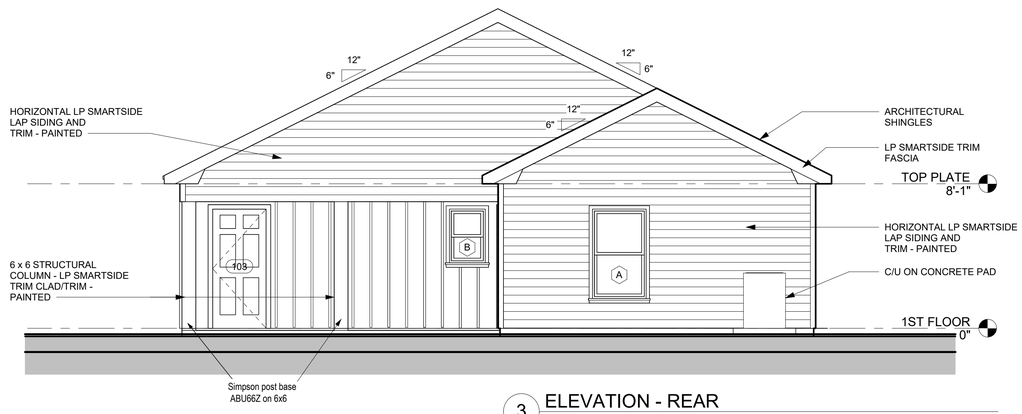


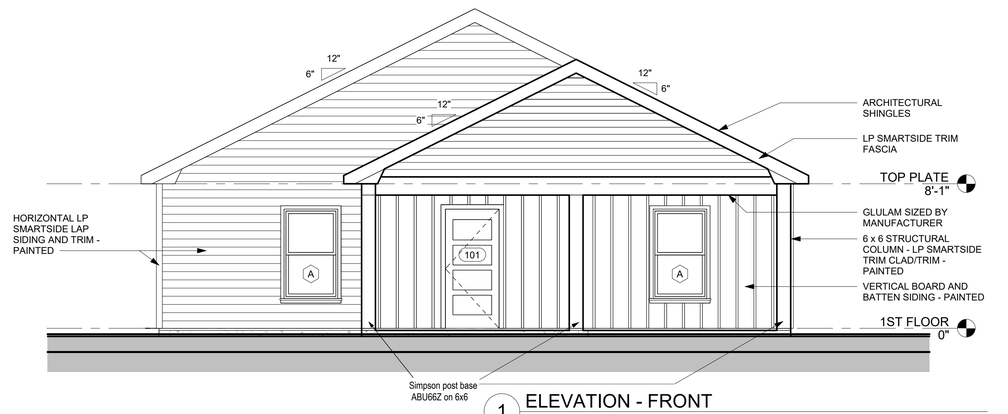
9 ELEVATION - SIDE (LIVING)
1/4" = 1'-0"



5 ELEVATION - SIDE (BEDS)
1/4" = 1'-0"



3 ELEVATION - REAR
1/4" = 1'-0"



1 ELEVATION - FRONT
1/4" = 1'-0"

Habitat for Humanity®

SAM RUE ARCHITECT

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Seal:

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JOHANN L. PALACIOS
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PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

01/16/2024

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New Orleans, LA. 70119

Project:
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227 FRANK STREET
LAFAYETTE, LA 70501

No.	Description	Date

EXTERIOR ELEVATIONS

Project number	2023.029
Date	11-28-2023
Drawn by	SR
Checked by	SR
Scale	As indicated

A-201

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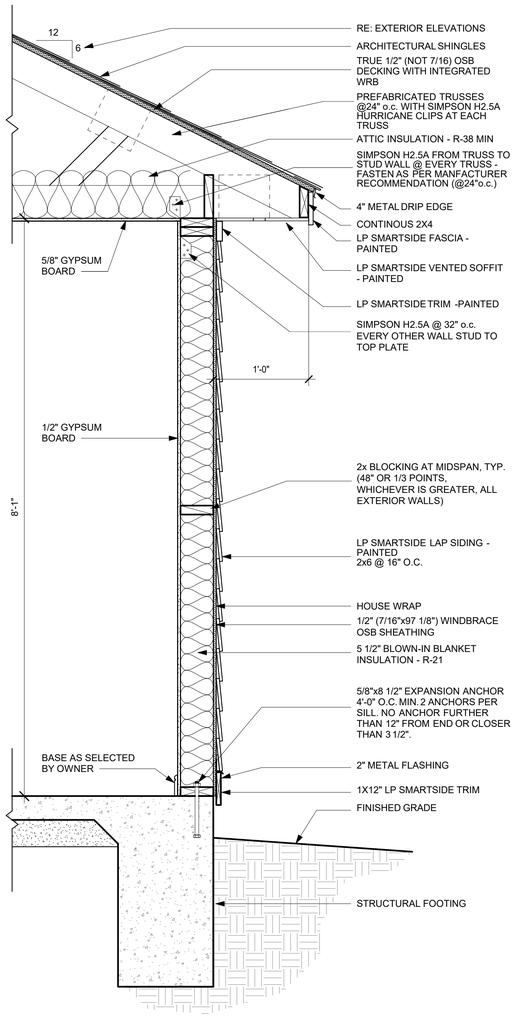
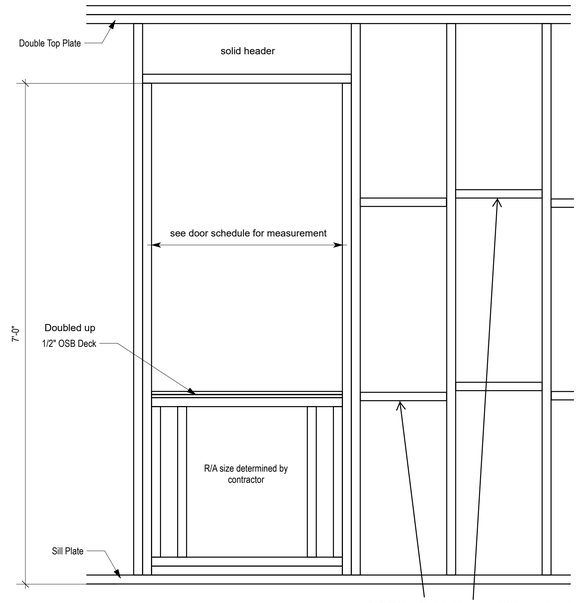


8 WALL SECTION
~~1" = 1'-0"~~



5 A/C DOOR FRAME
~~Scale: 1" = 1'-0"~~

NOTE: Cold Formed Strapping in Detail 7 on page A-501 shall apply to the A/C Door Frame Detail

Engineer's Note:
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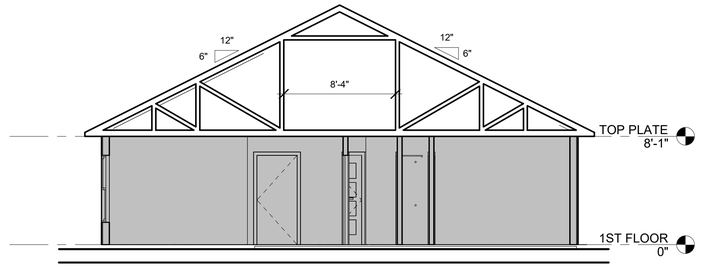
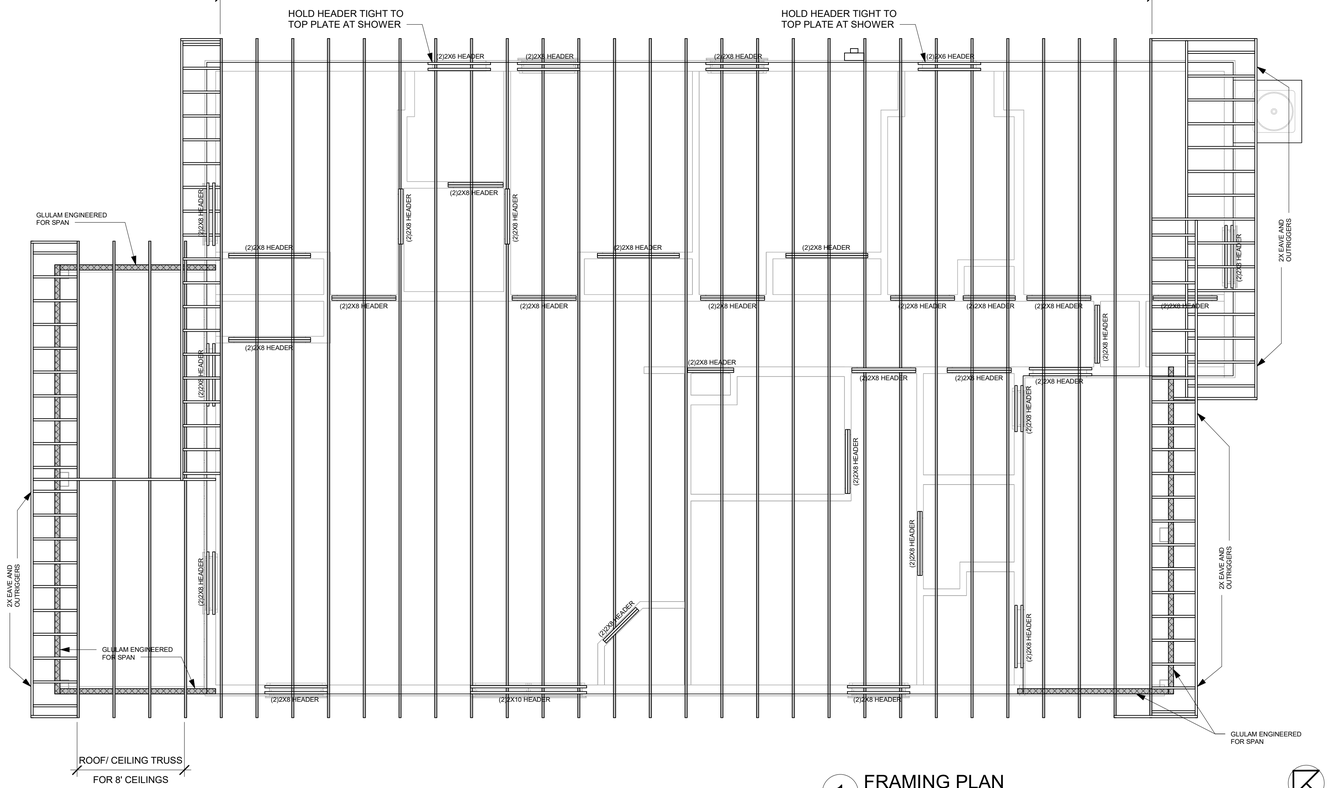


9 TRUSS DIAGRAM 'A'
~~3/16" = 1'-0"~~



1 FRAMING PLAN
~~1/4" = 1'-0"~~

Habitat for Humanity®

SAM RUE ARCHITECT
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Seal:
STATE OF LOUISIANA
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PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
01/16/2024

PACE GROUP LLC
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Project:
NEW RESIDENCE FOR
HABITAT FOR HUMANITY
227 FRANK STREET
LAFAYETTE, LA 70501

No.	Description	Date

FRAMING & SECTIONS

Project number	2023.029
Date	11-28-2023
Drawn by	SR
Checked by	SR

A-301

Scale	As indicated

11/28/2023 11:51:41 PM

ADDITIONAL STRUCTURAL NOTES

PLYWOOD SHEATHING SCHEDULE

FASTENER TYPE	MAXIMUM SPACING ALONG SUPPORTING MEMBER	
	AT INTERIOR OF SHEET	AT EDGES OF SHEET
8D SHANK	6" O.C.	4" O.C.
#10 SCREW	6" O.C.	4" O.C.

NOTE:

1. ALL PLYWOOD NAIL SHEATHING SHALL HAVE SOLID BLOCKING AT ALL HORIZONTAL JOINTS.
2. VERTICAL JOINTS OF PLYWOOD SHEATHING SHALL BE STAGGERED AT EVERY (4) FT O.C.
3. 8D SHANK NAILS SHALL HAVE A MINIMUM DIAMETER OR 0.131"
4. #10 TEK SCREWS SHALL HAVE A NOMINAL DIAMETER OF 0.19"

JOIST HANGER SCHEDULE

MEMBER SIZE	HANGER	FASTEN TO JOIST	FASTEN TO SUPPORT
2x8	LUS28	(4) 10d NAILS	(8) 10d NAILS
2x10	LUS210	(4) 10d NAILS	(8) 10d NAILS
(2)2x10	(2) LUS210	(8) 10d NAILS	(4) 10d NAILS
2x12	LUS210	(4) 10d NAILS	(8) 10d NAILS
(2)2x12	(2) LUS210	(6) 16d NAILS	(8) 16d NAILS

NOTES:

1. JOIST HANGERS CALLED OUT ARE SIMPSON STRONG TIES. ANY ALTERNATIVES SHALL BE SUBMITTED TO EOR FOR APPROVAL.
2. SEE PLANS FOR VARIATIONS AS SPECIFIC LOADING MAY REQUIRE ALTERNATE JOIST HANGER
3. NOTIFY EOR OF ANY VARIATIONS OF CONSTRAINTS NOT ADDRESSED IN TABLE.

HEADERS, DROP BEAMS, and FLUSH BEAMS

OPENING LENGTH	BEAM SIZE	# OF FULL HEIGHT STUDS
2 FT	2~2x4	1
3 FT	2~2x4	2
4 FT	2~2x4	2
5 FT	2~2x6	3
6 FT	2~2x8	3
7 FT	2~2x12	3
8 FT	3~2x10	3
9 FT	4~2x10	3
10 FT	4~2x12	4

NOTE: BEAMS TO BE NAILED @ 16" O.C ALONG EACH EDGE W/ 16d COMMON NAILS

Engineer's Note:
PACE Group LLC and the undersigned Professional Engineer has reviewed to the best of his knowledge and belief that the structural design presented herein meets the requirements of the IRC 2021, ASCE 7-16, and the requirements of the FORTIFIED certification. The undersigned Professional Engineer has only designed and/or reviewed the structural components and design of this project. All other architectural, MEP, and other non structural systems are by others.
If any discrepancies exist within these plans, notify the EOR as promptly as possible.
PACE Group LLC and the undersigned Professional Engineer is NOT administering construction.

CONVENTIONAL 2X LUMBER NOTES:

1. Lumber and its fastenings shall conform to the "national design specifications of stress - grade lumber and its fastenings" (latest edition) as recommended by the national forest products association.
2. Materials for exterior walls, load bearing walls, and SHEAR WALLS shall be a minimum of kiln dried stud grade southern pine (SYP) Douglas fir larch (DFL) and shall be borate treated lumber.
3. Lumber for headers, beams, and other framing members shall be No. 2 SYP.
4. Load bearing walls, including SHEAR WALLS, constructed from finger jointed studs shall be sheathed on at least one face or braced with 1x4 horizontal (cont.) at mid - height of wall prior to loading them with construction materials.
5. Finger jointed studs shall exceed the material properties and allowable stresses for solid lumber as specified for stud grade construction.
6. Top and bottom plates shall be southern yellow pine construction grade or #3 (MC19).
7. All other wall construction shall be either construction grade or utility header and other miscellaneous flexural members shall be no. 2 SYP (MC19 or better U.N.O.)
8. All other non - structural wall construction shall be either construction grade or utility southern yellow pine (MC19) or Douglas fir larch (MC19).
9. Materials must be grade marked.
10. Sole plates in contact w/ concrete shall be pressure treated lumber, 0.25 ACQ minimum .
11. For overlay framing at roofs or other conventional roof framing, contractor shall provide 2x framing in accordance with roof rafter tables in the applicable building code.
12. Bolt holes through wood shall be drilled 1/16" maximum larger than the diameter of the bolts to be installed.
13. Bolts through wood shall be fitted with standard washers at head and nut ends.
14. Flitch beams when shown on plans shall be bolted together with one 3/4" dia. bolt, top and bottom, over the supports and / or at the ends of the beam and 12" O.C., staggered full length of the beam. Staggered spacing equals 24" O.C.
15. A hole greater in diameter than 40 percent of the stud width may not be bored in any wood stud. Bored holes with a diameter less than or equal to 60 percent of the width of the stud are permitted in non - load bearing partitions or walls where each bored stud is doubled provided not more than two such successive double studs occur.
16. The edge of a bored hole shall not be within 5/8 of an inch of the stud edge. Bored holes shall not be located at a cut or notch in the stud.
17. For single story residences, use blocking at all walls at mid height. For multistory residences, use blocking at 1/3 height at all walls.
18. All LVL or PSL called out to have minimum 3,100psi bending fiber design strength.
19. Exposed wood (when shown on plans) shall be treated as follows:
    a. wood not in contact with ground 0.25 ACQ
    b. wood in contact with ground 0.40 ACQ

Wind Load (ASCE 7-22):

A.	Basic Wind Speed (V-ult)		126 mph
B.	Exposure Category		B
C.	Enclosure Class		Enclosed

Components and Cladding Pressures

A.	Roof	Zone 1	±23.72 psf
		Zone 2	±47.92 psf
		Zone 3	±47.92 psf
B.	Wall	Zone 4	±26.71psf
		Zone 5	±29.69 psf

Deflection and Drift Limitations

A.	Floor Members		
		Live	L/360
		D+L/240	
B.	Roof Members		
		Live	L/240
		D+L/180	

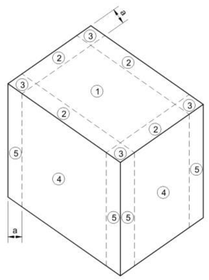
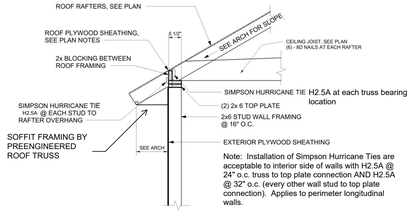
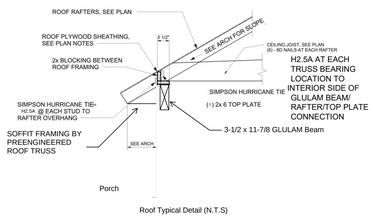


FIGURE 1. C&C ZONE DESIGNATIONS



Roof Typical Detail (N.T.S)

NOTE: PLEASE REFER TO WALL SECTION DETAIL 8 ON PAGE A-301 FOR TYPE AND INSTALLATION OF HURRICANE TIES AT TOP OF WALL (TRUSS TO PLATES & PLATES TO STUD)



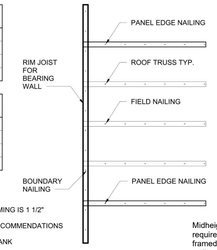
Roof Typical Detail (N.T.S)

ROOF DIAPHRAGM NAILING SCHEDULE ROOF TRUSSES @ 16" O.C		
LOCATION	SIZE	SPACING
BOUNDARY	8d	6"
PANEL EDGE	8d	6"
FIELD	8d	6"

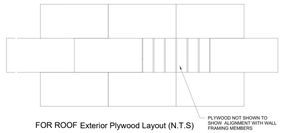
ROOF DIAPHRAGM NAILING SCHEDULE ROOF TRUSSES @ 24" O.C		
LOCATION	SIZE	SPACING
BOUNDARY	8d	4"
PANEL EDGE	8d	4"
FIELD	8d	4"

NOTES:

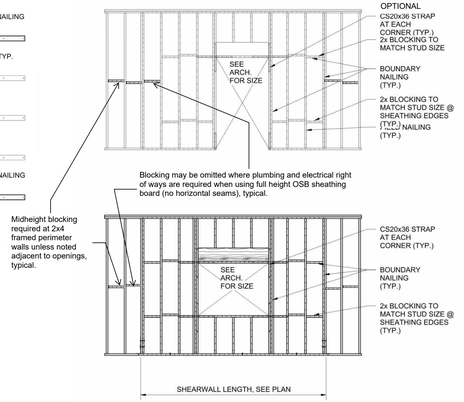
1. MINIMUM PENETRATION IN FRAMING IS 1 1/2"
2. BLOCKING PER TRUSS MFG. RECOMMENDATIONS
3. ROOFING NAILS TO BE RING SHANK



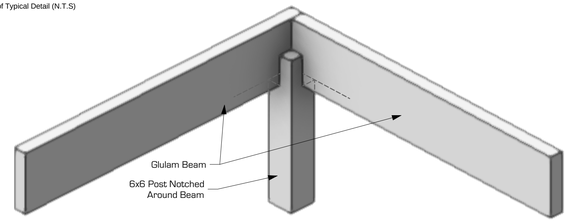
Roof Diaphragm Plan (N.T.S)



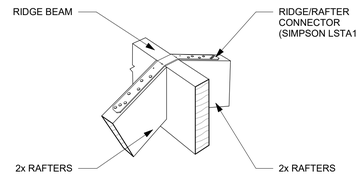
FOR ROOF Exterior Plywood Layout (N.T.S)



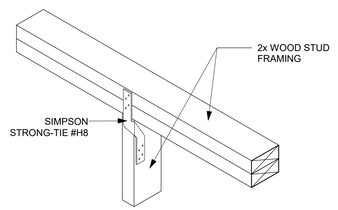
7 ELEVATION @ WINDOW OR DOOR OPENINGS
NOT TO SCALE



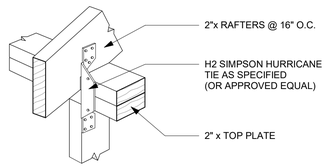
6 PORCH BEAM/POST CONNECTION DETAIL
~~1" = 1'-0"~~



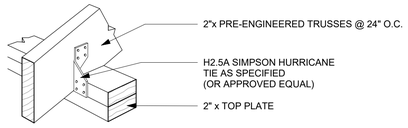
5 RAFTER/TOP PLATE CONNECTOR
~~1 1/2" = 1'-0"~~



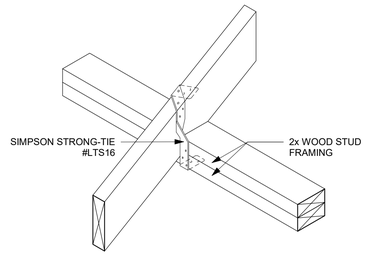
4 STUD TO PLATE CONNECTOR
~~1 1/2" = 1'-0"~~



3 RAFTER/TOP PLATE CONNECTOR
~~1 1/2" = 1'-0"~~



2 TRUSS/TOP PLATE CONNECTOR
~~1 1/2" = 1'-0"~~



1 RAFTER/TOP PLATE CONNECTOR
~~1 1/2" = 1'-0"~~

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WOOD FRAMING DETAILS

Project number	2023.029
Date	11-28-2023
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	A-501
Scale	As indicated

11/28/2023 11:51:42 PM

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PACE Group LLC and the undersigned Professional Engineer has reviewed to the best of his knowledge and belief that the structural design presented herein meets the requirements of the IRC 2021, ASCE 7-16, and the requirements of the FORTIFIED certification. The undersigned Professional Engineer has only designed and/or reviewed the structural components and design of this project. All other architectural, MEP, and other non structural systems are by others.
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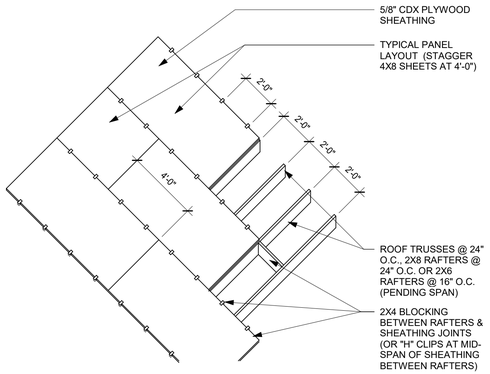
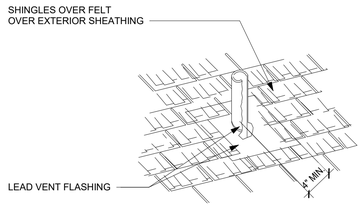
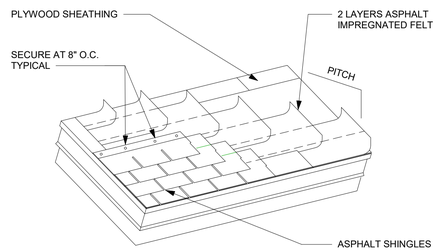


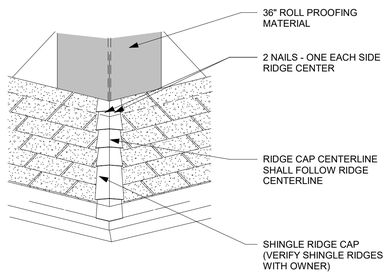
11 ROOF DECKING DETAIL
NO SCALE



10 PIPE VENT FLASHING DETAIL
~~3/4" = 1'-0"~~



9 SHINGLE LAYOUT
NO SCALE



7 RIDGE DETAIL
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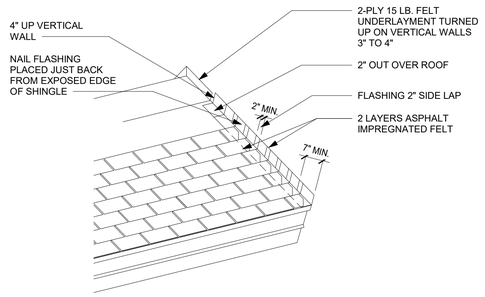

6 RAKE FLASHING
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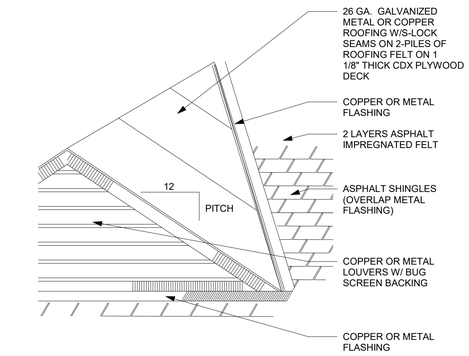

5 ROOF VENT DETAIL
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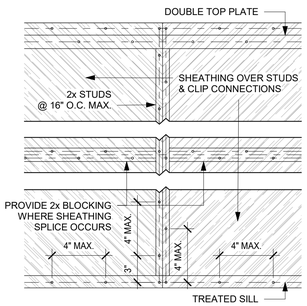
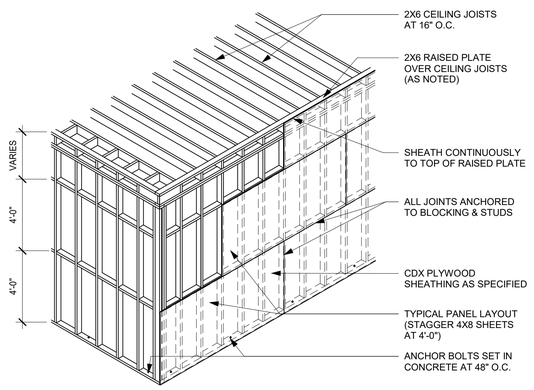
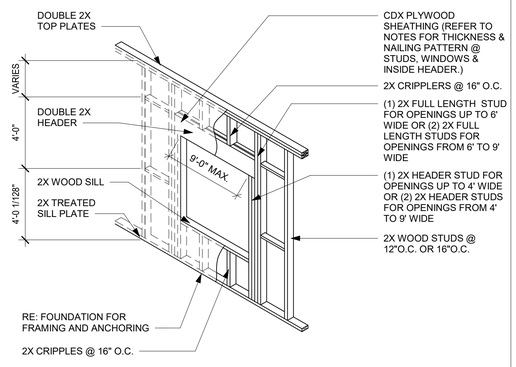


3 SHEATHING NAIL PATTERN
~~1 1/2" = 1'-0"~~



2 TYP WALL SHEATHING
NO SCALE



1 IRC - WALL ON SLAB
NO SCALE

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A-502

11/28/2023 11:51:43 PM

EXCAVATION NOTES

1. REMOVE ANY BURIED TREE STUMPS OR OTHER ORGANIC MATTER (IF FOUND) AND BACKFILL WITH SELECTED FILL.
2. TREES ARE TO REMAIN EXCEPT AS NOTED. TAKE CARE TO PREVENT DAMAGE. VERIFY LOCATION ON ALL TREES IN FIELD.
3. PROTECT ABOVE GRADE AND BELOW GRADE UTILITIES FROM DAMAGE DURING EXCAVATION. IDENTIFY KNOWN BELOW GRADE UTILITIES AND MARK LOCATIONS.
4. REMOVE TOPSOILFROM BUILDING FOOTPRINT AREA AND STOCKPILE FOR FUTURE USE.
5. GRADE AROUND EXCAVATIONS TO PREVENT SURFACE WATER RUN-OFF INTO EXCAVATED AREA.
6. DO NOT INTERFERE WITH NORMAL 45 DEGREE BEARING SPLAY OF ANY FOUNDATION.

SITE PREPARATION & STRUCTURAL FILL NOTES

1. STRIP SITE AREAS RECEIVING FOUNDATION (CONC + MIN. 5' BEYOND) & PAVING (CONC + MIN. 2' BEYOND) AT MIN. 8" DEPTH (OR GREATER PER SOIL REPORT OR IF NECESSARY AND COMPACT ALL AREAS.
2. MUCK AND FILL/COMPACT ANY SOFT AREAS AND EXISTING SITE DRAINAGE FEATURES @ 24" DEEP WITH SELECT FILL IN 8" LIFTS TO 95% M.D.D. BY STD. PROCTOR.
3. ALL ORGANIC & UNSUITABLE MATERIALS SHALL BE HAULED OFF SITE AND DISPOSED OF LEGALLY.
4. BUILD UP SITE, WHERE NEC., IN 8" LIFTS W/SELECT FILL COMPACTED TO 95% M.D.D. STD. PROCTOR.
5. A DRAINAGE PATH AWAY FROM STRUCTURAL FILL SHALL BE MAINTAINED UNTIL FOUNDATION IS COMPLETED.
6. FOLLOW ALL LA DOTD LSSRB SPECIFICATIONS FOR GEOTEXTILE FABRIC, BASE INSTALLATION, AGGREGATE GRADATION & CULVERT INSTALLATION.
7. EXCAVATIONS SHALL NOT BE ALLOWED TO REMAIN OPEN FOR EXTENDED AMOUNTS OF TIME. EXCAVATIONS SHALL NOT BE ALLOWED TO EXCEED 24" DEEP INTO EXISTING GRADE. EXPEDIENCE IN PLACEMENT OF THE FOUNDATION SHALL BE PARAMOUNT UPON OPENING THE GROUND. EXCAVATIONS WHICH ARE EXPOSED TO INCLEMENT WEATHER SHALL BE PUMPED DRY AS SOON AS FEASIBLE. EXCAVATION BOTTOMS SHALL BE INSPECTED PRIOR TO PROCEEDING.

FORMWORK NOTES

1. CONSTRUCT AND ERECT FORMWORK IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) PUBLICATIONS 318 AND 347.
2. FORMS SHALL BE WELL MATCHED, TIGHT FITTING, AND ADEQUATELY STIFFENED TO SUPPORT WEIGHT OF CONCRETE WITHOUT DEFLECTION DETRIMENTAL TO TOLERANCES AND APPEARANCE OF FINISHED CONCRETE SURFACES. INCLUDE FORM TIES AND FILLETS.
3. FORM RELEASE MATERIAL SHALL BE COLORLESS MINERAL OIL; NON-STAINING; NOT DETRIMENTAL TO CONCRETE STRENGTH.
4. FORM TIES SHALL BE SO ARRANGED THAT WHEN FORMS ARE REMOVED METAL IS NOT LESS THAN 3" FROM ANY CONCRETE SURFACE. WIRE TIES NOT PERMITTED WHERE DISCOLORATION WILL BE OBJECTIONABLE.
5. MAXIMUM DEVIATION ALLOWED IN HORIZONTAL AND VERTICAL LINES IS 1/4" IN 10 FEET. MAZIMUM DEVIATION ALLOWED IN BUILDING DIMENSIONS INDICATED ON PLANS IS 1/4".
6. WOOD FORM WORK MATERIALS SHALL BE NEW FOR THIS PROJECT.
7. INSTALL 10 MIL VISQUEEN VAPOR BARRIER UNDER ENTIRE BUILDING SLAB, INCLUDING GARAGE AND STORAGE ROOMS AND PORCHES. LAP JOINTS 12". REPAIR HOLES WITH DUCT TAPE.

REINFORCING STEEL NOTES

1. COMPLY WITH ACI 315 AND 318.
   REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL BARS, PLAIN FINISH,
2. ASTM A615-79 GRADE 60.
   WELDED STEEL WIRE FABRIC SHALL BE ELECTRONICALLY-WELDED, PLAIN FINISH. FURNISH IN FLAT SHEETS; ROLLS NOT ACCEPTABLE.
3. TIE WIRE SHALL BE 16 GAGE MINIMUM, ANNEALED TYPE.
4. SPLICES IN REINFORCING STEEL SHALL BE OFFSET/STAGGERED A MINIMUM OF
5. 5'. MINIMUM LAP SPLICES SHALL BE AS FOLLOWS:
   5.1. #3 BARS - 24" (TOP BARS CLASS B) AND 19" (REGULAR BARS CLASS B)
   5.2. #4 BARS - 32" (TOP BARS CLASS B) AND 25" (REGULAR BARS CLASS B)
   5.3. #5 BARS - 40" (TOP BARS CLASS B) AND 31" (REGULAR BARS CLASS B)

CONCRETE NOTES

1. CONCRETE SHALL HAVE THE FOLLOWING COMPRESSIVE STRENGTH AT 28 DAYS (COMPLY WITH ASTM C94):
   1.1. BUILDING SLABS: 4,000 psi
   1.2. DRIVEWAY: 3,000 psi
   1.3. SIDEWALK: 2,500 psi
2. COMPLY WITH ACI 305 AND 306.
3. CONCRETE SHALL BE PLACES WITHIN 90 MINUTES AFTER WATER IS ADDED TO DRY CONCRETE MIX.
4. CONCRETE PLACEMENT FREE FALL OF MORE THAN 6 FEET WILL NOT BE ALLOWED.
5. DO NOT PLACE CONCRETE IF OUTDOOR AIR TEMPERATURE IS BELOW 40°. TEMPERATURE OF THE CONCRETE BATCH, IMMEDIATELY BEFORE PLACING, SHALL BE MINIMUM 60° AND MAXIMUM 95°.
6. AFTER STRIPPING FORMS, PATCH HONEYCOMBS, DEFECTIVE JOINTS, ETC. CONCRETE FINISHES FOR BUILDING INTERIOR AND GARAGE TO BE FULLY TROWELLED. FINISH FOR FRONT AND REAR PORCHES TO BE LIGHT BROOM FINISH. DRIVEWAY AND FRONT WALK TO BE BROOM FINISH.

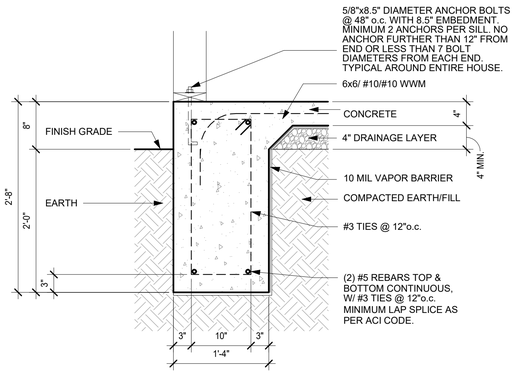
BACKFILLING NOTES

1. ENSURE THAT AREAS TO BE BACKFILLED ARE FREE FROM DEBRIS, SNOW, ICE AND WATER, AND THAT GROUND SURFACES ARE NOT IN FROZEN CONDITION.
2. BACKFILL WORK SHOULD COMMENCE AT LEAST 14 DAYS AFTER POURING OF SLAB.
3. COMPACT FILL TO WITHIN 95% OF MAXIMUM DENSITY.
4. A GENERAL CLEANING AND GRADING OF THE SITE WILL BE DONE BY CONCRETE CONTRACTOR AFTER FORMS HAVE BEEN REMOVED TO ELIMINATE ALL DIRT PILES, EARTH IMPRESSIONS, AND ANY UNEVEN TERRAIN LEFT BY THE POUR AND/OR FORMWORK.

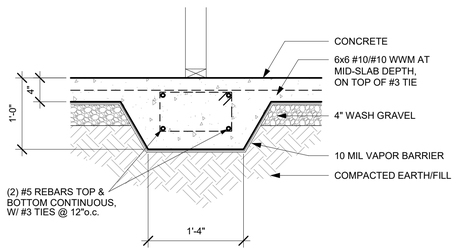
FOUNDATION NOTES (contd.)

1. MAIN FRAME ANCHOR RODS SHALL MEET ASTM F1554 GRADE 36, ANCHOR RODS (ALL AS INDICATED ON MBM SPECS). DIAMETER, PROJECTION, LOCATION, NUMBER, PATTERN - PER MBM. ANCHOR RODS, NUTS, WASHERS, SHALL BE HOT DIPPED GALVANIZED AT ALL LOCATIONS. 20" EMBEDMENT MIN. INTO FOOTING. ALL PERIMETER MAIN FRAME COLUMNS TO HAVE #5 REBAR HAIR PIN AROUND OUTWARD ANCHOR RODS, 24" LEGS W/ STANDARD 135° CRSI HOOK.
2. SPLICES IN ADJACENT RUNS OF REINFORCING SHALL BE OFFSET/STAGGERED A MINIMUM OF 5'. MINIMUM LAP SPLICES SHALL BE AS FOLLOWS:
   2.1. #3 BARS - 24" (TOP BARS CLASS B) AND 19" (REGULAR BARS CLASS B)
   2.2. #4 BARS - 32" (TOP BARS CLASS B) AND 25" (REGULAR BARS CLASS B)
   2.3. #5 BARS - 40" (TOP BARS CLASS B) AND 31" (REGULAR BARS CLASS B)
3. MAINTAIN MIN. 3" CLEAR CONC. COVER OVER ALL BARS (IN CONC. CAST AGAINST EARTH) AND ANCHOR BOLTS (U.N.O.). CONC./REBAR SHALL BE IN ACCORDANCE W/ APPLICABLE ACI SPECS (ACI.318).
4. ALL CONVENTIONAL FOUNDATION ELEMENTS TO BE PORTLAND CEMENT CONCRETE (P.C.C.) WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI. W/NO FLY ASH. AIR SHALL NOT BE ENTRAINED INTO TROWELED SLABS. G.C. MAY UTILIZE ADMIXTURES AS APPROPRIATE FOR WEATHER CONDITIONS. MAINTAIN MAX. W/C RATIO OF 0.50 AND SLUMP OF 4"-5" PRIOR TO ADDITION OF WATER REDUCERS. CONCRETE SHOULD NOT BE ALLOWED TO EXCEED 95° DURING POUR. G.C. SHOULD ARRANGE FOR ICE OR TAKE OTHER HOT WEATHER PRECAUTIONS AS NEC.
5. WATER SOL., LIQUID, MEMBRANE-FORMING CURING COMPOUND SHALL BE APPLIED AS SOON AS FEASIBLE (PER MFR'S RECOMMENDATIONS) TO ALL CONCRETE. VERIFY COMPATIBILITY W/FLOOR FINISH & SEALER PRIOR (BY SUBMITTAL).
6. TROWEL FINISH CONCRETE AFTER POUR TO DENSIFY SURFACE. FINAL FINISH OF SLAB SHALL BE AS PER OWNER'S REQUIREMENTS. MAINTAIN STAIN-FREE SLAB DURING CONSTRUCTION (PREVENT TIRE MARKS, OIL/GREASE STAINS, RUST STAINS, DISCOLORATIONS, ETC).
7. REINFORCING STEEL (#4'S & LARGER) SHALL BE GRADE 60, #3 BARS SHALL BE GRADE 40, ALL IN CONFORMANCE W/ASTM A615. W.W.F. IS TO BE DEFORMED (NOT PLAIN) MEETING ASTM A1064 (FORMERLY A497). MIN. GRADE 70. ALL W.W.F. SHALL BE SUPPLIED IN SHEETS. NO ROLLS. REINFORCING DETAILS SPLICES, LAPS, BENDS, ETC. SHALL CONFORM TO REQUIREMENTS OF ACI 318 AND CRSI OR AS FURTHER DESCRIBED ON THESE PLANS.
8. REINFORCEMENT SHALL BE SUPPORTED BY CHAIRS TO LIMIT HORIZONTAL AND VERTICAL MOVEMENT. GRADE BEAM MEMBERS MAY BE SUPPORTED BY CONCRETE BRICKS (LIMIT SIZE & NUMBER NECESSARY FOR PROPER SUPPORT). MAX. SUPPORT SPACING FOR SLAB = 3'x3' GRID.
9. MIN. 4" CAPPILARY BARRIER IS REQUIRED BENEATH SLAB OF SAND OR STONE. SAND SHALL BE CLEAN SAND (<10% PASSING #200 SIEVE). STONE MAY BE 57 LIMESTONE.
10. ANY TRENCH WIDER THAN 12" UNDER SLAB FOR PLACEMENT OF UTILITY SHALL UTILIZE 100% STRUCTURAL (STONE/SAND) BACKFILL W/24" CLAY END PLUGS. TRENCHES LESS THAN 12" WIDE MAY BE BACKFILLED WITH SELECT FILL AND TAMPED TO MEET COMPACTION REQUIREMENTS.
11. WHERE UNAVOIDABLE, UTILITIES MAY PASS THRU FOUNDATION FOOTINGS AND SHALL UTILIZE RELIEVING ARCHES OR SLEEVES (MIN. 1 SIZE LARGER THAN UTILITY) AND OR FLEXIBLE CONNECTIONS AND BE IN ACCORDANCE WITH FOUNDATION PENETRATION DETAIL.
12. A CONTINUOUS 10 MIL (MIN) VISQUEEN BARRIER SHALL BE PLACED BENEATH SLAB AND HAVE NO PENETRATIONS. ALL LAPS SHALL BE SEALED WITH PRESSURE TAPE OR SIMILAR.
13. VERIFY SLAB HEIGHT WITH OWNER.
14. PROVIDE 5/8" DIA. ANCHOR BOLTS @ 48" O.C. MAXIMUM, WITH A MINIMUM OF 2 BOLTS PER PLATE SECTION WITH 1 BOLT LOCATED NOT MORE THAN 12" OR LESS THAN 7 BOLT DIAMETERS (4 3/8") FROM EACH END.
15. ALL INTERIOR GRADE BEAMS SHALL BE 12" DEEP MINIMUM.
16. ALL EXTERIOR GRADE BEAMS SHALL BE 32" DEEP MINIMUM (24" DEEP BELOW FINISH GRADE) AND EXTEND BELOW THE FROST LINE.
17. GEOTECHNICAL REPORT BY LOUISIANA TESTING & INSPECTION, REPORT NUMBER LTI NO 4473-BO, DATED NOVEMBER 13, 2023 IS THE BASIS OF FOUNDATION DESIGN AND BEARING CAPACITY.
18. PER GEOTECH REPORT, 1600 PSF ALLOWABLE BEARING CAPACITY SHALL BE USED FOR DESIGN (FS = 3.0)
19. FOLLOW THE FILL MATERIAL RECOMMENDATIONS OF THE GEOTECH REPORT (CLAY FILL SHALL HAVE A LIQUID LIMIT OF 40 AND A MAXIMUM PLASTICITY INDEX (PI) OF 20.
20. FILL MAY BE PLACED IN 10 TO 12 INCH LOOSE LIFTS. MINIMUM COMPACTION CRITERIA OF A DRY DENSITY OF AT LEAST 95% OF IT'S MAXIMUM STANDARD PROCTOR (ASTM D698A) SHALL BE USED.

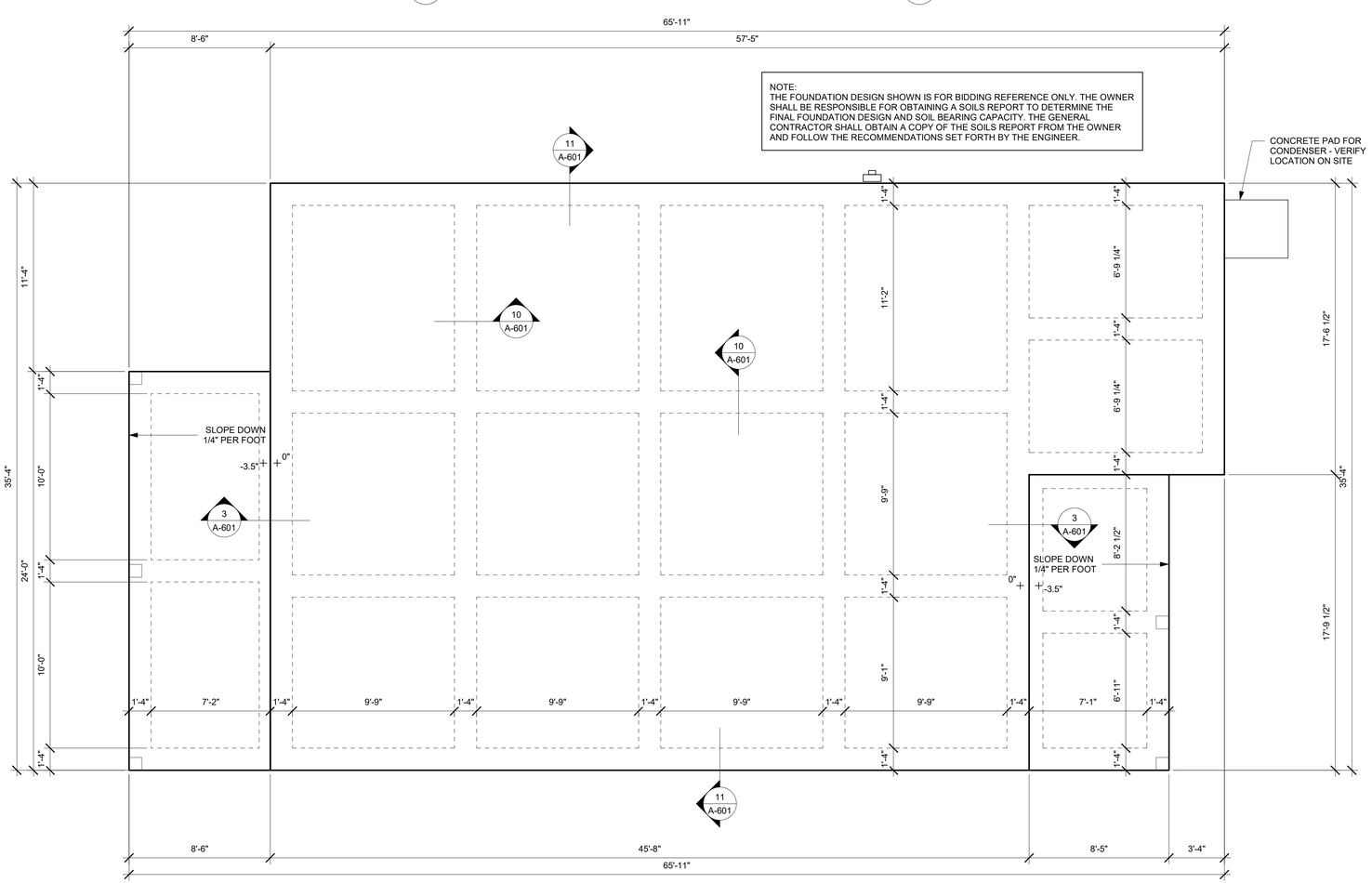
Engineer's Note:
PACE Group LLC and the undersigned Professional Engineer has reviewed to the best of his knowledge and belief that the structural design presented herein meets the requirements of the IRC 2021, ASCE 7-16, and the requirements of the FORTIFIED certification. The undersigned Professional Engineer has only designed and/or reviewed the structural components and design of this project. All other architectural, MEP, and other non structural systems are by others.
If any discrepancies exist within these plans, notify the EOR as promptly as possible.
PACE Group LLC and the undersigned Professional Engineer is NOT administering construction.



11 GRADE BEAM
1" = 1'-0"



10 INTERIOR GRADE BEAM
1" = 1'-0"



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

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No.	Description	Date

FOUNDATION PLAN & DETAILS

Project number	2023.029
Date	11-28-2023
Drawn by	SR
Checked by	SR

A-601

Scale: As indicated

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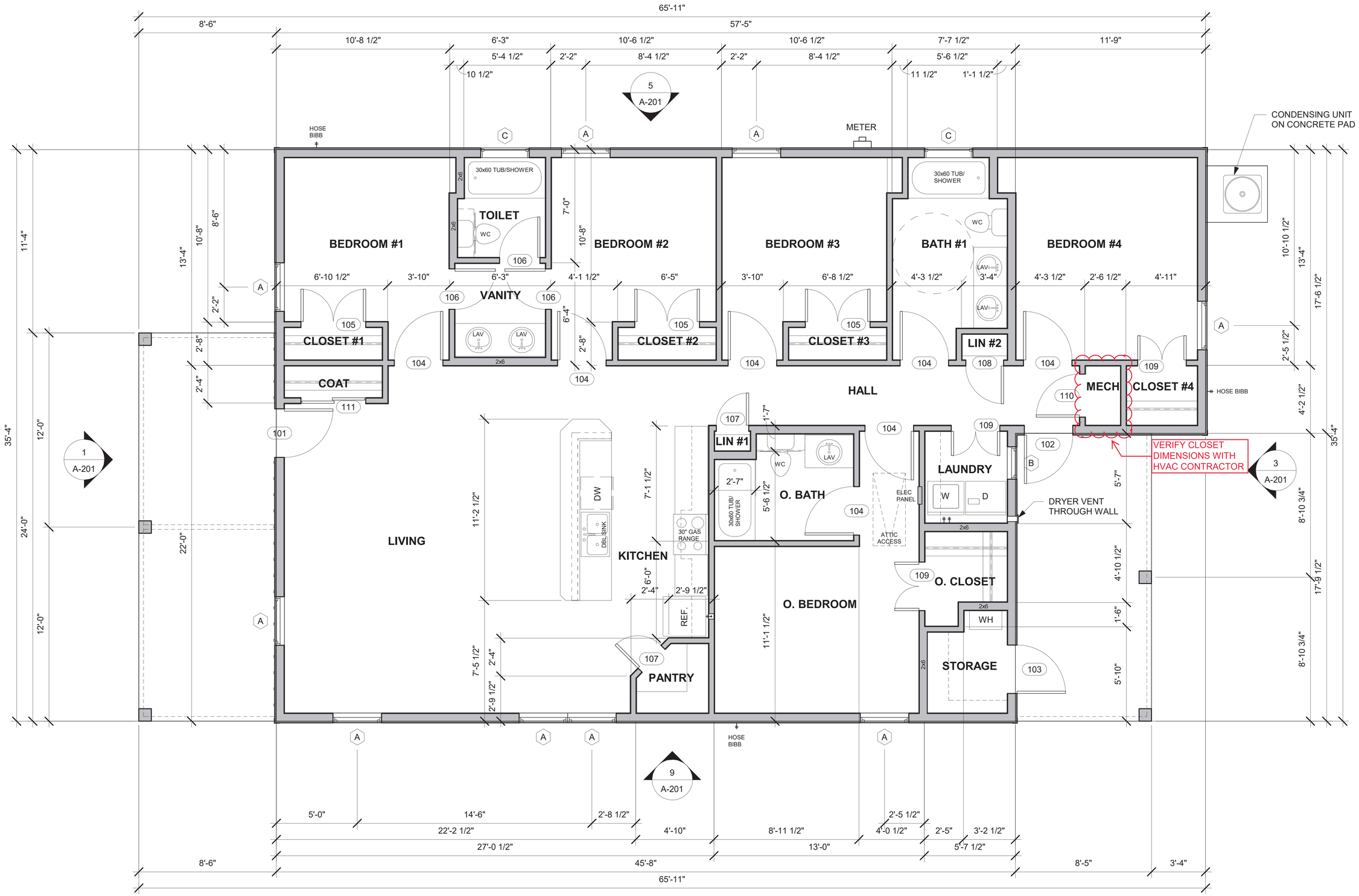

1 FLOOR PLAN

~~3/8" = 1'-0"~~