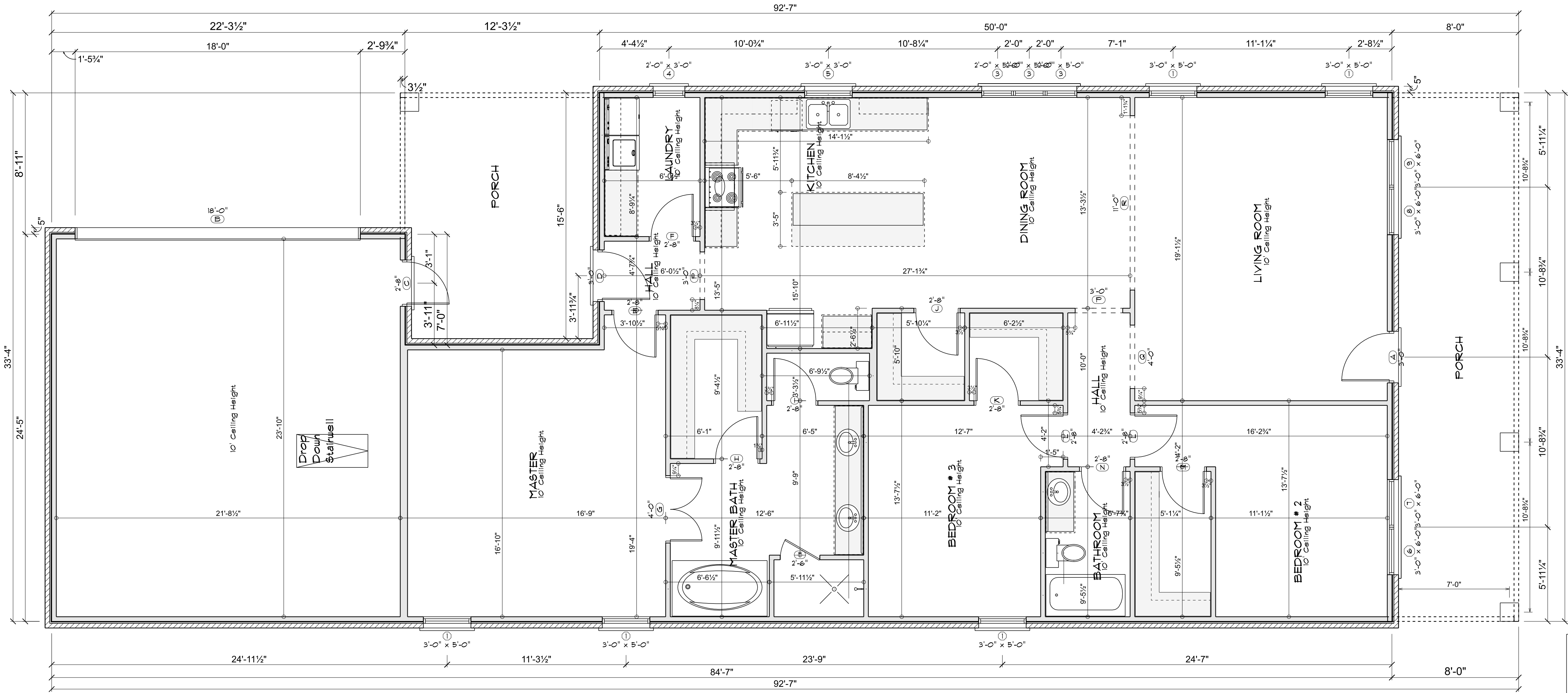


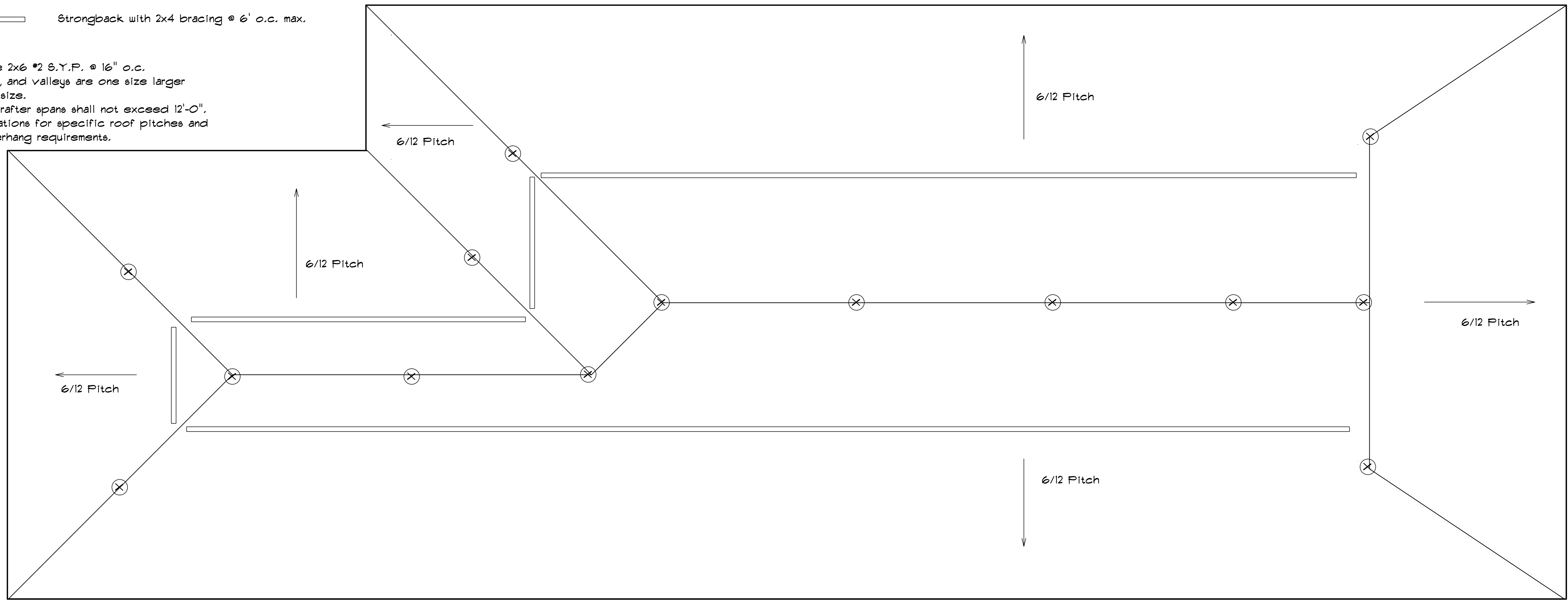


AREAS:	
Main Floor Area	1951 sf
Garage	579 sf
Front Porch	261 sf
Rear Porch	191 sf

- (X) Strongback Bracing Required
- Strongback with 2x4 bracing @ 6' o.c. max.

NOTES:

1. Rafters are 2x6 #2 S.Y.F. @ 16" o.c.
2. Hip, ridge, and valleys are one size larger than rafter size.
3. Unbraced rafter spans shall not exceed 12'-0".
4. See elevations for specific roof pitches and soffit overhang requirements.



ROOF PLAN

BAKER CLARK CUSTOM
HOME PLANNING
A NEW RESIDENCE FOR
BRIGADOON LOT #4
BALDWIN COUNTY, ALABAMA

25421 STATE HIGHWAY 181
DAPHNE, AL 36526
251-333-9988

DRAWN BY: JASON HONG
SCALE: 1/4" = 1'-0"
SHEET NUMBER: A-1
DATE: 1/24/2023
PROJECT NO: A-365291

DESCRIPTION: FLOOR PLANS
BAKER CLARK CUSTOM HOME PLANNING
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FRONT ELEVATION

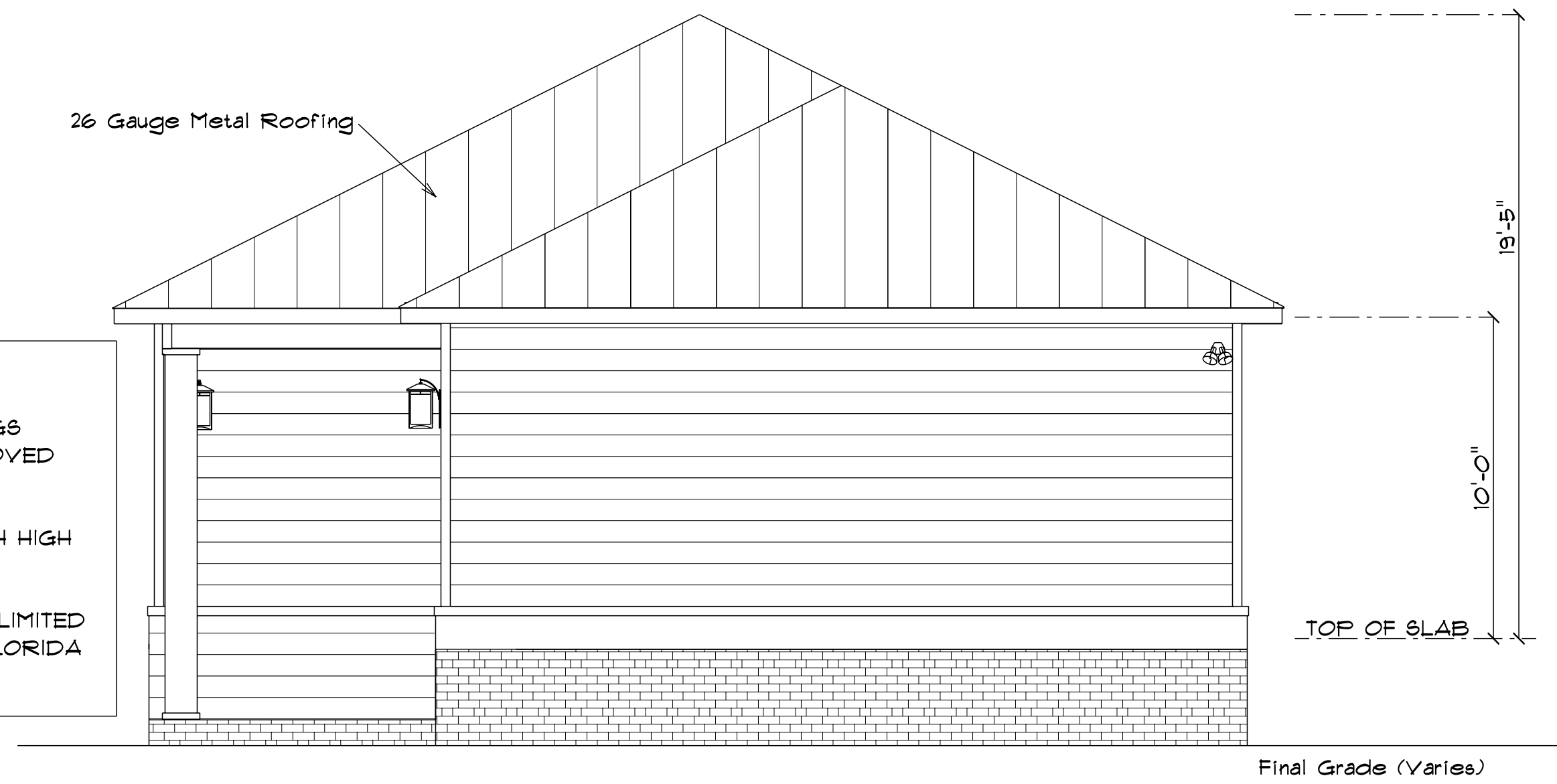
EXPOSURE B CATEGORY
ALL WINDOW AND EXTERIOR DOOR OPENINGS
TO BE IMPACT RATED OR PROVIDE APPROVED
IMPACT RESISTANT COVERINGS

SHINGLE ROOF COVERING MUST BE CLASS H HIGH
WIND RATED 160 MPH ULTIMATE

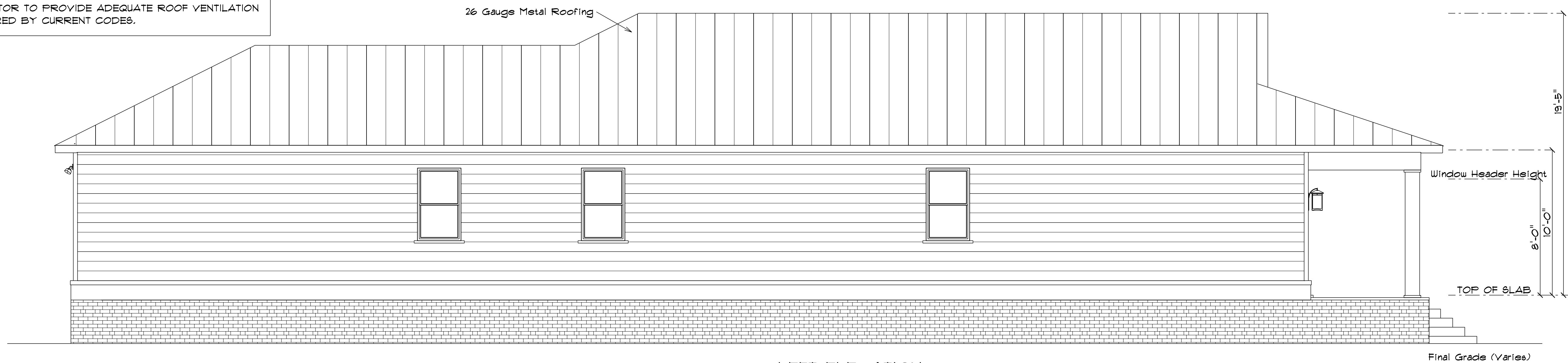
ROOF MOUNTED VENTS INCLUDING BUT NOT LIMITED
TO RIDGE VENTS AND TURBINES MUST BE FLORIDA
BUILDING CODE TAB 100(A) APPROVED

- NOTES:
1. Finished grade to not exceed 32" to porch floor otherwise handrails will be required on porches.

- EXTERIOR ELEVATION NOTES:
1. CONTRACTOR TO VERIFY ALL WINDOW AND DOOR STYLES AND SIZES PRIOR TO CONSTRUCTION.
 2. PROVIDE STEPS AS PER CODE.
 3. GROUND LINES SHOWN FOR REFERENCE ONLY AND VARY DEPENDING ON SITE CONDITIONS.
 4. ALL FINISH MATERIAL TO BE VERIFIED BY CONTRACTOR.
 5. REFER TO TYPICAL WALL DETAIL FOR FRAMING METHODS AND OTHER MISC. INFORMATION.
 6. CONTRACTOR TO PROVIDE ADEQUATE ROOF VENTILATION AS REQUIRED BY CURRENT CODES.



REAR ELEVATION



LEFT ELEVATION

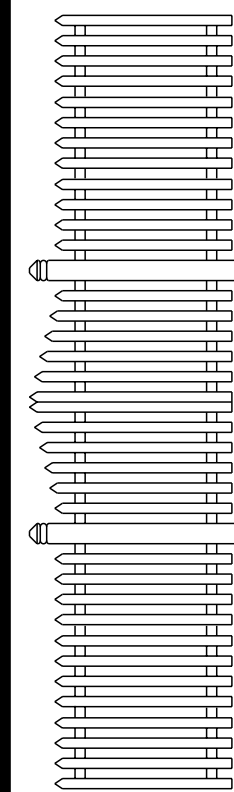


RIGHT ELEVATION

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DESCRIPTION: ELEVATIONS

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DRAWN BY: JASON LONG

SCALE: 1/4"=1'-0"

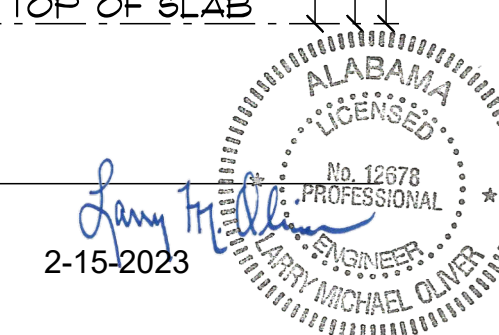
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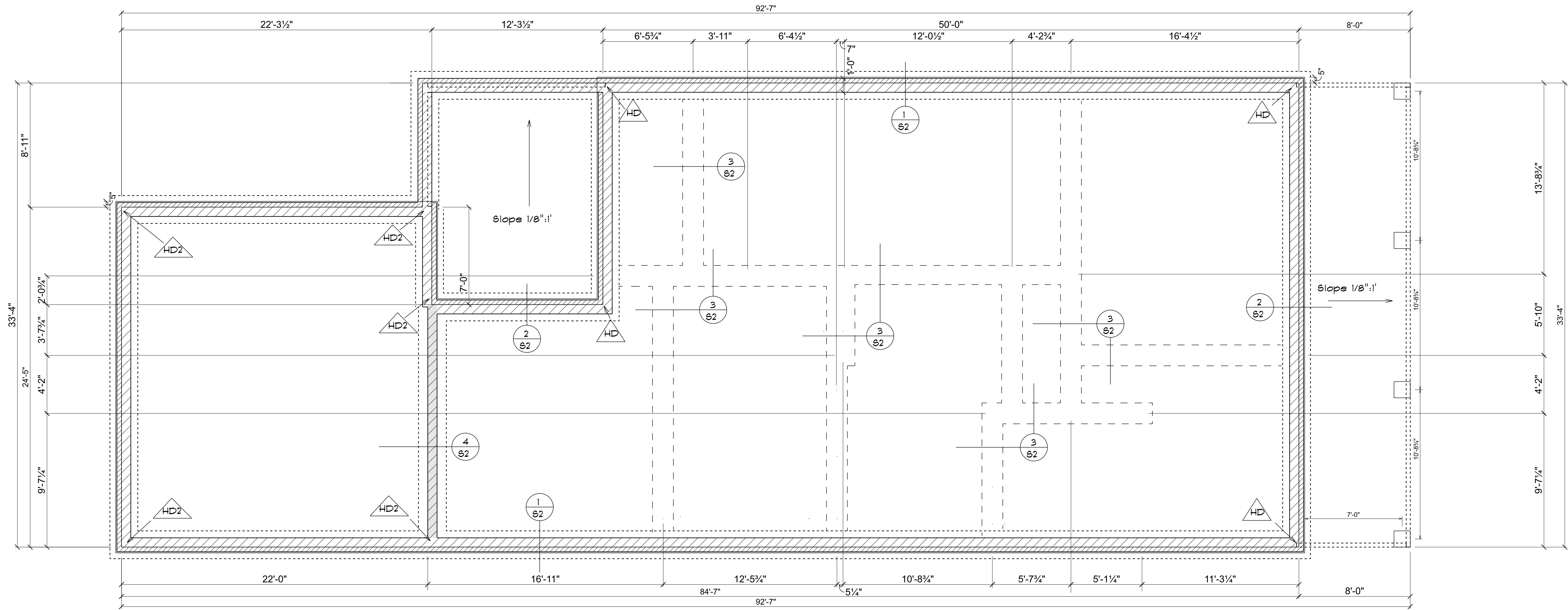
DATE: 1-24-2023

PROJECT NO: A-365291

BAKER CLARK CUSTOM
HOME PLANNING
A NEW RESIDENCE FOR
BRIGADOON LOT #4
BALDWIN COUNTY, ALABAMA

25421 STATE HIGHWAY 181
DAPHNE, AL 36526
251-333-9988





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

HD Simpson M8TC40, HDU5, or HTT5-KT
Corner Holddown Required

HD2 Simpson STHD14, HDU5, or HTT5-KT
Corner Holddown Required



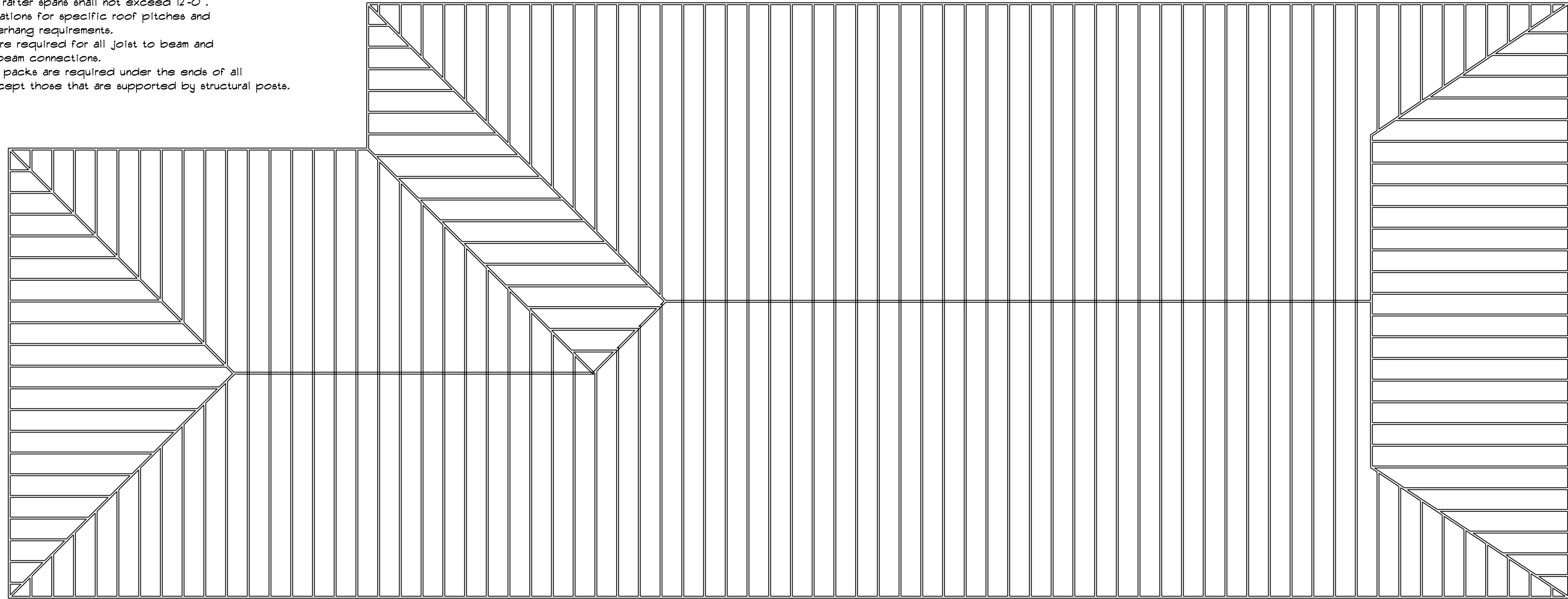
BAKER CLARK CUSTOM
HOME PLANNING
A NEW RESIDENCE FOR
BRIGADOON LOT #4
BALDWIN COUNTY, ALABAMA

25421 STATE HIGHWAY 181
DAPHNE, AL 36526
251-333-9988

DRAWN BY: JASON HONS
SCALE: 1/4" = 1'-0"
SHEET NUMBER: A-3
DATE: 1/24/2023
PROJECT NO: A-365291

DESCRIPTION: FOUNDATION PLAN
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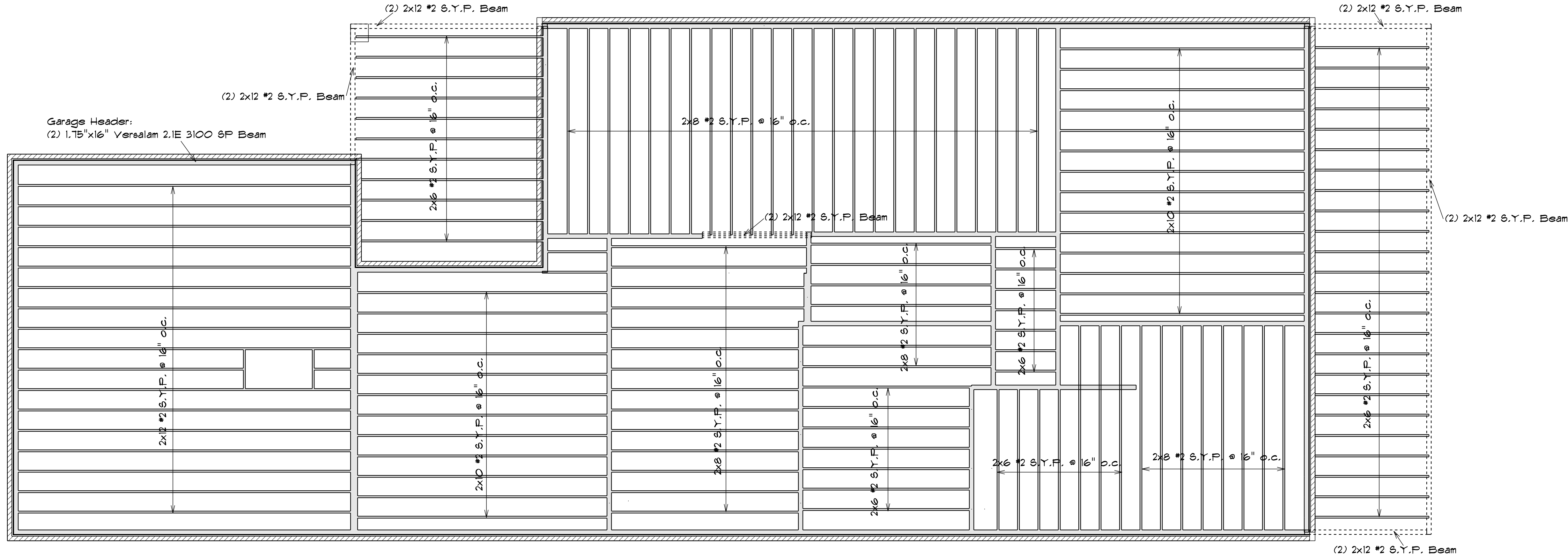
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ROOF FRAMING PLAN

NOTES:

1. Rafters are 2x6 #2 S.Y.P. @ 16" o.c.
2. Hip, ridge, and valleys are one size larger than rafter size.
3. Unbraced rafter spans shall not exceed 12'-0".
4. See elevations for specific roof pitches and soffit overhang requirements.
5. Hangers are required for all joist to beam and beam to beam connections.
6. Structural packs are required under the ends of all beams except those that are supported by structural posts.



BAKER CLARK CUSTOM
HOME PLANNING
A NEW RESIDENCE FOR
BRIGADOON LOT #4
BALDWIN COUNTY, ALABAMA

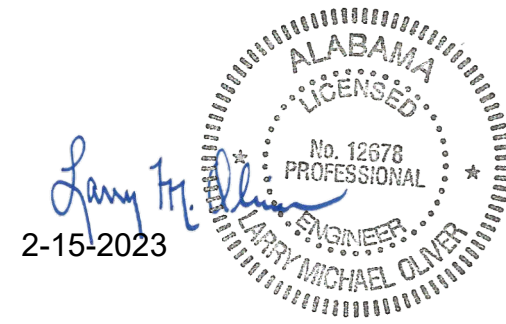
25421 STATE HIGHWAY 181
DAPHNE, AL 36526
251-333-9988

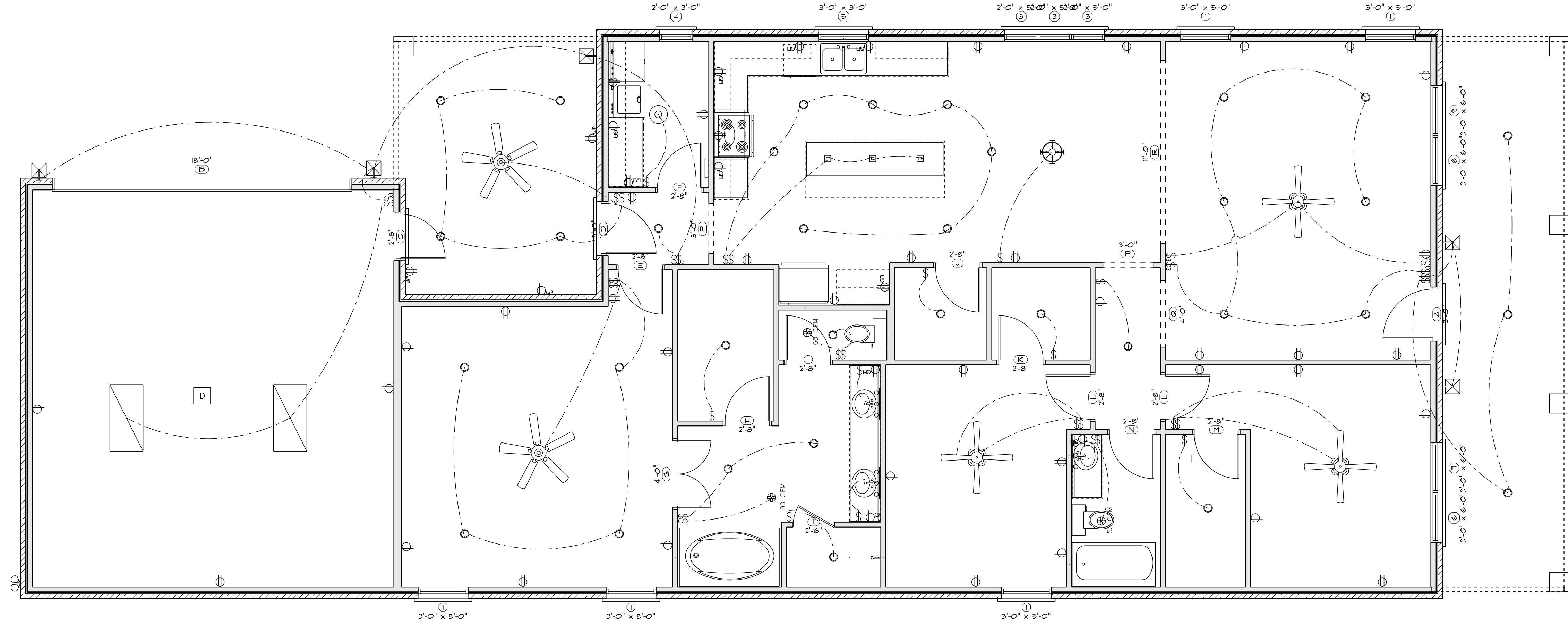
DRAWN BY: JASON HONG
SCALE: 1/4" = 1'-0"
SHEET NUMBER: A-4
DATE: 1/24/2023
PROJECT NO: A-365291

DESCRIPTION: MISC. PLANS

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ELECTRICAL PLAN

LEGEND

\$	Switch
\$3	3-way Switch
\$4	4-way Switch
⊕	Light
⊗	Exhaust Fan
⬢	Smoke Detector
⊕	Outlet
⊕GFI	GFCI Outlet
⊕220v	220v Outlet
⊕C	Cable Outlet
⊕P	Phone Outlet
⊕MIP	Main Interior Panel
⬢CD	Carbon Monoxide Detector
○	6" Recessed Can
⊗52"	52" Ceiling Fan w/ light kit

NOTES:

1. All exterior outlets to be GFI protected and wet location protected.
2. Exterior outlet must be located within 25' of HVAC.
3. Minimum of (2) GFI protected kitchen outlet circuits.
4. Disposer and dishwasher must be wired to plug in outlets. No hard-wiring allowed.
5. All work shall comply with all applicable codes.
6. Carbon monoxide alarms shall be installed outside of each separate sleeping areain the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units with attached garages.
7. Provide insulated ceiling kits for recessed lights at all locations where insulation is used. Provide clamp location fixtures for all exterior lighting. All exterior fixtures shall have lenses.
8. All bedroom receptacles to be arc-fault protected per code.

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DESCRIPTION: ELECTRICAL PLAN

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DRAWN BY: JASON HONS

SCALE: 1/4"=1'-0"

SHEET NUMBER: A-5

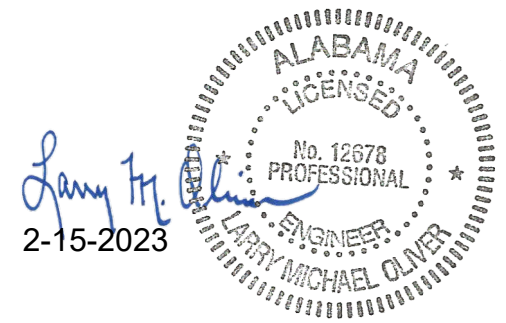
DATE: 1/24/2023

PROJECT NO: A-365291

BAKER CLARK CUSTOM
HOME PLANNING

A NEW RESIDENCE FOR
BRIGADOON LOT #4

BALDWIN COUNTY, ALABAMA



GENERAL NOTES

1. ALL DESIGN (INCLUDING WIND LOADS) AND CONSTRUCTION SHALL COMPLY WITH THE INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS, LOCAL CODES, ORDINANCES, AND AMENDMENTS. THE DESIGN CRITERIA FOR ALL CONSTRUCTION SHALL COMPLY FULLY WITH THE CODE.

2. APPLICABILITY OF THESE HURRICANE RESISTANT RESIDENTIAL STANDARDS SHALL BE LIMITED TO THE FOLLOWING CONDITIONS:

BUILDING CODE: 2021 INTERNATIONAL RESIDENTIAL CODE (IRC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2021 INTERNATIONAL PLUMBING CODE (IPC)
2020 NATIONAL ELECTRIC CODE

DESIGN LOADS:

LIVE LOADS:
ATTICS WITH STORAGE 20 PSF
ATTICS WITHOUT STORAGE 10 PSF
DECKS 40 PSF
BALCONIES 60 PSF
FIRE ESCAPES 40 PSF
GUARDRAILS 200 PSF
HANDRAILS 200 PSF
ROOM OTHER THAN SLEEPING AREA 40 PSF
SLEEPING AREAS 20 PSF
STAIRS 100 PSF

ROOF LIVE LOAD:
FLAT OR SLOPE LESS THAN 4:12 20 PSF
SLOPE 4:12 TO LESS THAN 12:12 16 PSF
SLOPE EQUAL TO OR GREATER THAN 12:12 14 PSF

WIND LOAD: THE FOLLOWING LOAD CRITERIA AND FACTORS HAVE BEEN USED IN THE DESIGN OF THIS STRUCTURE:

WIND CODE PER SECTION R301 ASCE 7-21
BASIC WIND SPEED - ULTIMATE 160 MPH
IMPORTANCE FACTOR 1
EXPOSURE CATEGORY B

3. INSULATION
WALLS R13
ATTIC FLOOR R39
CEILING R38 Blown Insulation

4. CONTRACTOR AND OWNER SHALL VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. IN CASE OF DISCREPANCY, NOTIFY DESIGNER AND ENGINEER OF RECORD PRIOR TO PROCEEDING.

5. AT CONSTRUCTION ISSUE, THESE DRAWINGS AND DETAILS REPRESENT COMPONENTS IN THEIR FINAL AND FINISHED STATE FOR CONSTRUCTION. TEMPORARY BRACING METHODS, SAFETY PRECAUTIONS, AND MECHANICAL REQUIREMENTS USED TO ERECT COMPONENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR OR SUBCONTRACTOR PERFORMING WORK.

6. THE DETAILS AND SPECIFICATIONS PROVIDED ARE AN OUTLINE OF MINIMUM MATERIAL REQUIREMENTS AND THEIR APPLICATION. MANUFACTURER SPECIFICATIONS AND LOCAL CODE REQUIREMENTS, WHEN IN EXCESS OF MINIMUM SPECIFICATION, SHALL CONTROL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND SUBMIT ALL SHOP DRAWINGS AND REPORT ALL DISCREPANCIES TO THE DESIGNER AND ENGINEER OF RECORD OR OWNER PRIOR TO CONTINUATION OF CONSTRUCTION.

7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A SAFE AND ORGANIZED JOB SITE. THE DESIGNER AND ENGINEER OF RECORD SHALL ASSUME NO LIABILITY IN REGARD TO SAFETY.

8. IF UNFORSEEN CONDITIONS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY CONSULT THE DESIGNER AND ENGINEER OF RECORD.

9. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, AND TEMPORARY SUPPORTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE STRUCTURE AND FOUNDATION ARE DESIGNED FOR A COMPLETED CONDITION ONLY AND THEREFORE REQUIRES ADDITIONAL SUPPORT TO MAINTAIN STABILITY PRIOR TO COMPLETION.

10. AS A MINIMUM, ALL CONCRETE OR MASONRY FOOTERS TO COMPLY WITH MINIMUM WIDTH OF CONCRETE OR MASONRY FOOTERS OF THE CURRENTLY ADOPTED IRC UNLESS OTHERWISE NOTED.

11. INSTALL FULL DEPTH BLOCK (MATCH RAFTER DEPTH) @ 48" O.C. IN FIRST TWO FRAMING SPACES OF ROOF SYSTEM AT ALL GABLE ENDS OF ROOF. INSTALL BLOCKING AT PANEL EDGES OF ROOF DECKS AND FASTEN WITH 8D COMMON NAILS @ 6" O.C. INTO BLOCKING.

12. INSTALL FULL DEPTH BLOCK (MATCH JOIST DEPTH) @ 24" O.C. IN FIRST TWO FRAMING SPACES OF CEILING JOIST WHERE CEILING JOIST RUN PARALLEL TO EXTERIOR WALL. INSTALL FULL DEPTH BLOCKING AND FASTEN AS NOTED IN FASTENER SCHEDULE UNLESS OTHERWISE NOTED.

13. THE AREA OF THE FLOOR FOR GARAGES AND/OR CARPORTS USED FOR PARKING AUTOMOBILES OR VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN OR TOWARD THE MAIN VEHICLE ENTRY DOORWAY.

14. SURFACE DRAINAGE SHALL BE DIVERTED TO A STORM SEWER CONVEYANCE OR OTHER APPROVED POINT OF COLLECTION SO AS NOT TO CREATE A HAZARD. LOTS SHALL BE GRADED SO AS TO DRAIN SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE AWAY FROM FOUNDATION WALLS SHALL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET.

15. EXTERIOR FOUNDATION WALLS THAT RETAIN EARTH AND ENCLOSE HABITABLE OR USABLE SPACE LOCATED BELOW GRADE SHALL BE WATERPROOFED WITH A MEMBRANE EXTENDING FROM THE TOP OF THE FOOTING TO FINISH GRADE. THE MEMBRANE SHALL CONSIST OF 2-PLY HOT MOPPED FELT, 55 POUND ROLL ROOFING, 6 MIL POLYVINYL CHLORIDE, 6 MIL POLYETHYLENE OR 40 MIL POLYMER-MODIFIED ASPHALT. THE JOINTS IN THE MEMBRANE SHALL BE LAPPED OR SEALED WITH AN ADHESIVE COMPATIBLE WITH THE MEMBRANE MATERIAL.

16. ENCLOSED ATTICS AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. VENTILATING OPENINGS SHALL BE PROTECTED WITH CORROSION-RESISTANT WIRE MESH, WITH 1/8" MINIMUM TO 1/4" MAXIMUM OPENINGS.

17. THE TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1 TO 160 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE TOTAL AREA IS PERMITTED TO BE REDUCED TO 1 TO 300 PROVIDED AT LEAST 50 PERCENT AND NOT MORE THAN 80 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE TO BE VENTILATED AREA AT LEAST 3 FEET ABOVE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.

ROOF COVERING NOTES:

1. ROOF DECK SHALL BE MINIMUM 1/8" OSB OR 1/2" CDX PLYWOOD ATTACHED PER REQUIREMENT SHOWN ON FASTENER SCHEDULE. INSTALL SIMPSON F8C CLIPS OR USP MODEL FC SHEATHING CLIPS AT ALL UNSUPPORTED EDGES OF ROOF DECK (TWO PER SPAN).

2. ENTIRE ROOF DECK SHALL BE COVERED WITH A FULL LAYER OF SELF-ADHERING POLYMER MODIFIED BITUMEN MEMBRANE (PEEL AND SEAL) MEETING ASTM D1910 REQUIREMENTS FOR PLYWOOD OR OSB ROOF DECKING OR SEAL ALL ROOF DECKING BEAMS WITH 4" PEEL & SEAL AND APPLY TEAR RESISTANT UNDERLAYMENT TO DECKING PER MANUFACTURER'S INSTRUCTIONS.

WIND BORNE DEBRIS PROTECTION

1. WINDOWS IN BUILDING LOCATED IN WIND BORNE DEBRIS REGIONS SHALL HAVE GLAZED OPENINGS PROTECTED FROM WIND BORNE DEBRIS.

2. ALL WINDOWS AND DOORS SHALL BE DESIGNED CAPABLE OF RESISTING A WIND LOAD OF 160 MPH, ULTIMATE.

3. GLAZING IN RESIDENCES REQUIRING PROTECTION SHALL BE PROTECTED WITH AN IMPACT PROTECTIVE SYSTEM OR SHALL BE IMPACT RESISTANT WINDOWS.

4. GLAZED OPENINGS PROTECTION FOR WIND BORNE DEBRIS SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1936 AND OF ASTM E 1886.

TIMBER NOTES:

1. UNLESS OTHERWISE NOTED, ALL LUMBER SHALL BE SOUTHERN YELLOW PINE #2 GRADE OR BETTER WITH A MAXIMUM MOISTURE COUNT OF 18%.

2. WOOD FRAMING AND COLUMNS 5"X5" AND LARGER SHALL BE #1 STRESS RATED SOUTHERN YELLOW PINE OR EQUIVALENT WITH THE MINIMUM FOLLOWING PROPERTIES:

Fb = 1350 psi F_t = 900 psi F_v = 90 psi
Fc = 375 psi F_{cl} = 825 psi E = 1,500,000 psi

3. ALL TIMBER WALL FRAMING SHALL BE AS FOLLOWS:

2x4 WALL STUD AND PLATES

SPRUCE PINE SHALL BE NO. 3 GRADE OR BETTER STUD GRADE MATERIAL WITH THE MINIMUM FOLLOWING PROPERTIES:

Fb = 675 PSI F_t = 350 PSI F_v = 70 PSI
Fc = 425 PSI F_{cl} = 725 PSI E = 1,200,000 PSI

4. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED. ALL LUMBER EXPOSED TO EXTERIOR ENVIRONMENTAL CONDITIONS SHALL BE PRESSURE TREATED.

5. ALL ENGINEERED WOOD BEAMS SHALL BE SIZED, MANUFACTURED, INSTALLED, AND BRACED TO COMPLY WITH THE MANUFACTURER'S RECOMMENDATIONS.

6. LAMINATED VENEER LUMBER BEAMS SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES/CONDITIONS:

Fb = 3100 psi F_t = 290 psi F_v = 290 psi
Fc = 150 psi F_{cl} = 3000 psi E = 2,000,000 psi

7. ALL BUILT-UP STUD PACKS, BEAMS, AND JOISTS SHALL BE NAILED IN STRICT ACCORDANCE WITH AF&PA'S (AMERICAN FOREST AND PAPER ASSOCIATION) AND THE NATIONAL DESIGN SPECIFICATIONS (NDS) FOR WOOD CONSTRUCTION.

8. MULTIPLE PLIES SHALL BE NAILED TOGETHER WITH TWO ROWS OF 20d NAILS - ONE ROW NEAR THE TOP EDGE AND ANOTHER AT THE BOTTOM. NAILS IN EACH ROW SHALL NOT EXCEED 12" APART. END JOINTS OF THE NAILED LUMBER SHALL OCCUR OVER THE SUPPORTING STUD PACK (COLUMN).

9. ALL BOLTS, NAILS, JOIST HANGERS, CLIPS, STRAPS, ETC. IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.

10. ALL CONNECTIONS AND HARDWARE SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. SIZE, QUANTITY, NUMBER, AND LOCATIONS OF FASTENERS SHALL CONFORM TO THE MANUFACTURER'S PUBLISHED LITERATURE.

FOUNDATION NOTES

1. A GEOTECHNICAL EVALUATION OF THE SUITABILITY OF THE EXISTING LOAD BEARING SOILS HAS NOT BEEN PERFORMED FOR THIS PROJECT. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONSULT A GEOTECHNICAL ENGINEER AND PROPERLY PREPARE THE SOIL FOR THE FOUNDATION DESIGN LOADING.

2. FOUNDATION DESIGN IS BASED ON AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF. A QUALIFIED REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER SHALL BE RETAINED TO VERIFY SOIL BEARING CONDITIONS PRIOR TO CONSTRUCTION.

3. THE REGISTERED GEOTECHNICAL ENGINEER OF RECORD SHALL BE RETAINED DURING CONSTRUCTION TO INSPECT FOUNDATION EXCAVATION, INSPECT AND MONITOR PLACEMENT OF FILLS AND COMPACTED FILL, AND TO MONITOR PROOF ROLLING OPERATIONS, AS REQUIRED.

4. SHOULD RECOMMENDATIONS OF GEOTECHNICAL ENGINEER DIFFER FROM THOSE OUTLINED ABOVE, IMMEDIATELY NOTIFY DESIGNER AND ENGINEER OF RECORD PRIOR TO PROCEEDING.

CONCRETE NOTES:

1. ALL CONCRETE AND REINFORCING STEEL SHALL FOLLOW THE PRACTICES AND STANDARDS DESCRIBED IN THE EDITION IN EFFECT OF THE AMERICAN CONCRETE INSTITUTE (ACI) 318 STANDARD "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".

2. ALL CONCRETE SHALL CONFORM TO ASTM C-94, LATEST EDITION, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI #28 DAY CURE. CONCRETE PLACES WITHIN A CMU WALL SHALL CONTAIN FEA GRAVEL AGGREGATE.

3. ALL PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR TYPE II.

4. ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33.

5. SLUMP SHALL BE FROM 5-6 INCHES MAXIMUM WITH A WATER-CEMENT RATIO LESS THAN .55. THE USE OF A SUPERPLASTICIZER IS APPROVED FOR POURING OF WALLS.

6. ALL WELDED WIRE FABRIC REINFORCEMENT STEEL SHALL CONFORM TO ASTM A65.

7. ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND PLACED PER CRSI AND ACI STANDARDS, INCLUDING CONCRETE CORNER AND BAR SUPPORTS. LAP BAR AT ALL SPICES, INCLUDING CORNER BARS AND DOUELS, IN ACCORDANCE WITH SPICE SCHEDULE OR IN LIEU THEREOF 40 BAR DIAMETERS. LAP WELDED WIRE MESH FABRIC 6" OR ONE FULL MESH, WHICHEVER IS GREATER.

8. CONCRETE COVER OVER REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION AF ACI 318, UNLESS NOTED OTHERWISE.

BELOW GRADE (UNFORMED): 3"
BELOW GRADE FORMED: 2"
WALLS AND SLABS: 1 1/2"

9. ALL CMU BLOCK SHALL BE CONSTRUCTED IN RUNNING BOND AND SHALL HAVE HORIZONTAL WIRE REINFORCEMENT EVERY OTHER COURSE. CONCRETE WITHIN CMU BLOCK SHALL CONTAIN FEA GRAVEL.

10. ALL MORTAR SHALL BE PORTLAND CEMENT TYPE 5.

11. VERTICAL AND HORIZONTAL REINFORCEMENT IS TO BE CONTINUOUS AND LAPPED A MINIMUM OF 48 BAR DIAMETERS.

12. ALL ANCHOR BOLT MATERIAL SHALL BE ASTM F1554 UNLESS NOTED OTHERWISE.

TRUSS NOTES:

1. ALL WOOD TRUSSES TO BE DESIGNED AND MANUFACTURED BY A TRUSS SUPPLIER WHO IS A MEMBER OF THE TRUSS PLATE INSTITUTE OR WHO USES METAL PLATES FROM A MANUFACTURER WHO IS A MEMBER.

2. ALL BRACING, QUALITY CONTROL, AND ERECTION OF TRUSSES SHALL CONFORM TO THE TRUSS MANUFACTURER'S GUIDELINES AND SPECIFICATIONS AS STATED ON THE TRUSS SHOP DRAWINGS.

3. TRUSS SHOP DRAWING SUBMITTAL SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT'S LOCATION.

4. SHOP DRAWINGS TO INCLUDE PLAN SHOWING LAYOUT OF TRUSSES, DETAILS OF TRUSSES, BRACING, AND ANY OTHER INFORMATION REQUIRED TO COMPLETE THE TRUSS INSTALLATION FOR THE PROJECT.

5. PROVIDE HEADERS AS DETERMINED BY ACCEPTABLE ENGINEERING DESIGN STANDARDS AT AREAS WHERE THE TRUSSES REQUIRE HEADERS TO ADJACENT TRUSSES.

6. TRUSS DESIGNER SHALL BE RESPONSIBLE FOR VERIFYING ALL REQUIRED MEASUREMENTS FROM THE PLANS BEFORE COMPLETION OF TRUSS DRAWINGS. DRAWINGS MUST BE APPROVED BY OWNER PRIOR TO START OF CONSTRUCTION OF TRUSSES.

7. TRUSS MANUFACTURER IS RESPONSIBLE FOR DESIGN OF BRACINGS OF TRUSSES AND UPLIFT CONNECTIONS.

ATTIC ACCESS

1. ATTIC ACCESS SHALL NOT BE LESS THAN 22 INCHES BY 30 INCHES AND SHALL BE LOCATED IN A HALLWAY OR OTHER READILY ACCESSIBLE LOCATION. A 30 INCH MINIMUM UNOBSTRUCTED HEADROOM AT THE ATTIC SPACE SHALL BE PROVIDED AT POINT ABOVE THE ACCESS OPENING.

2. FOR ATTICS WITH ABOVE CEILING PLUMBING OR MECHANICAL EQUIPMENT, A FIXED LADDER OR INDUSTRIAL GRADE DISAPPEARING STAIRWAY SHALL BE PROVIDED.

TYPICAL CONNECTOR SUMMARY

1. CONNECTOR REFERENCED NUMBERS ARE SIMPSON STRONG-TIE COMPANY OR UNITED STEEL PRODUCTS (USP) LUMBER CONNECTORS.

2. ALL CONNECTORS AND HARDWARE SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. SIZE, QUANTITY, AND LOCATION OF ALL NAILS AND FASTENERS SHALL CONFORM TO THE MANUFACTURER'S PUBLISHED LITERATURE.

3. SIMPSON SPH4 / SPH6 OR USP SPTH4 / SPTH6 AT BOTTOM AND TOP OF EXTERIOR STUDS @32" O.C. UNLESS OTHERWISE NOTED. SIMPSON A2.5 CONNECTORS AT TOP AND BOTTOM OF STUDS @16" O.C. ARE ALSO ACCEPTABLE.

4. FRONT AND REAR PORCHES - PORCH COLUMNS (6"X6" OR 8"X8") SHALL BE ANCHORED THE BEAM WITH SIMPSON STRONG-TIE PC66 B(6") OR PC88 (8") OR EQUIVALENT USING 10 - 16D NAILS (6") - 12 - 16D NAILS (8") UNLESS OTHERWISE NOTED. THE COLUMN SHALL BE ANCHORED TO THE CONCRETE USING SIMPSON 6x6 OR 8x8 POST BASE WITH 5/8" ANCHOR BOLT, MINIMUM 1" EMBEDMENT.

5. GARAGE DOOR SHALL BE DESIGNED BY MANUFACTURER FOR DESIGN WIND REQUIREMENTS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.

6. ALL PHASES OF THE WORK SHALL CONFORM TO THE MINIMUM STANDARDS AND REQUIREMENTS OF THE LATEST ADOPTED CODE OF THE INTERNATIONAL RESIDENTIAL CODE AND ITS RELATED REFERENCES.

7. THE REQUIREMENTS OF THE CURRENTLY ADOPTED BUILDING CODE AND ITS FASTENER SCHEDULE TABLE FOR STRUCTURAL MEMBERS SHALL BE STRICTLY ADHERED TO FOR THE NAILING OF ALL WOOD FRAMING CONSTRUCTION.

PLUMBING, HVAC, AND ELECTRICAL NOTES:

1. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (IPC) 2018 EDITION AND ITS RELATED REFERENCES.

2. ALL HVAC WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE (IMC) 2018 EDITION AND ITS RELATED REFERENCES.

3. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL ELECTRICAL CODE (IEC) 2017 EDITION AND 2018 ENERGY CODE AND THEIR RELATED REFERENCES.

PRE-ENGINEERED FLOOR JOISTS, GIRDERS, AND BEAM NOTES

1. FLOOR JOIST, GIRDERS, I-JOIST, LVL BEAMS, AND BEAMS NOT CALLED OUT SHALL BE ENGINEERED AND MANUFACTURED BY OTHERS.

2. SUB-FLOOR MUST BE GLUED AND NAILED TO FLOOR JOISTS.

3. THE MANUFACTURER MUST BE CONSULTED REGARDING ALL POINTS OF BEARING OF THE JOISTS AND POINTS OF LOADS ON THE JOISTS.

4. JOIST CONNECTIONS TO SUPPORTS SHALL BE SPECIFIED BY JOIST MANUFACTURER. CONNECTION SHALL BE DESIGNED TO CARRY THE JOIST'S SHEAR CAPACITY. THE SUPPORT MEMBER SHALL BE CONSIDERED IN THE CONNECTION DESIGN. THE SUPPORT MEMBER SHALL NOT BE OVER-STRESSED IN THE CONNECTION DESIGN. THE SUPPORT MEMBER SHALL NOT BE OVERSTRESSED AT THE JOIST CONNECTION.

5. THE CONTRACTOR/OWNER SHALL SUBMIT CALCULATIONS AND SHOP DRAWINGS FROM THE FLOOR JOIST MANUFACTURER THE DESIGNER AND ENGINEER OF RECORD FOR REVIEW. THE SUBMITTED CALCULATIONS AND SHOP DRAWINGS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER. THE ENGINEER REVIEW DOES NOT RELIEVE THE CONTRACTOR/JOIST MANUFACTURER OF ANY RESPONSIBILITY IN COMPLETING THE DESIGN, MANUFACTURE, AND INSTALLATION OF FLOOR JOISTS WHICH ARE ADEQUATE FOR THIS APPLICATION.

ENERGY

1. BATT INSULATION SHALL BE CUT NEATLY TO FIT AROUND PIPES AND WIRES OR BE PLACED BEHIND PIPING & WIRING. INSULATION TO BE STAPLED TO FACE OF STUD.

2. AIR PERMEABLE INSULATION SHALL NOT BE USED AS A SEALING MATERIAL.

3. SPACE BETWEEN WINDOWS AND DOORS TO BE SEALED. CORNERS, HEADERS, AND SILL PLATES TO BE SEALED.

4. RIM JOISTS TO BE INSULATED.

5. A CONTINUOUS AIR BARRIER SHALL BE INSTALLED IN THE BUILDING ENVELOPE.

6. BREAKS OR JOINTS IN THE AIR BARRIER SHALL BE SEALED (TAPED).

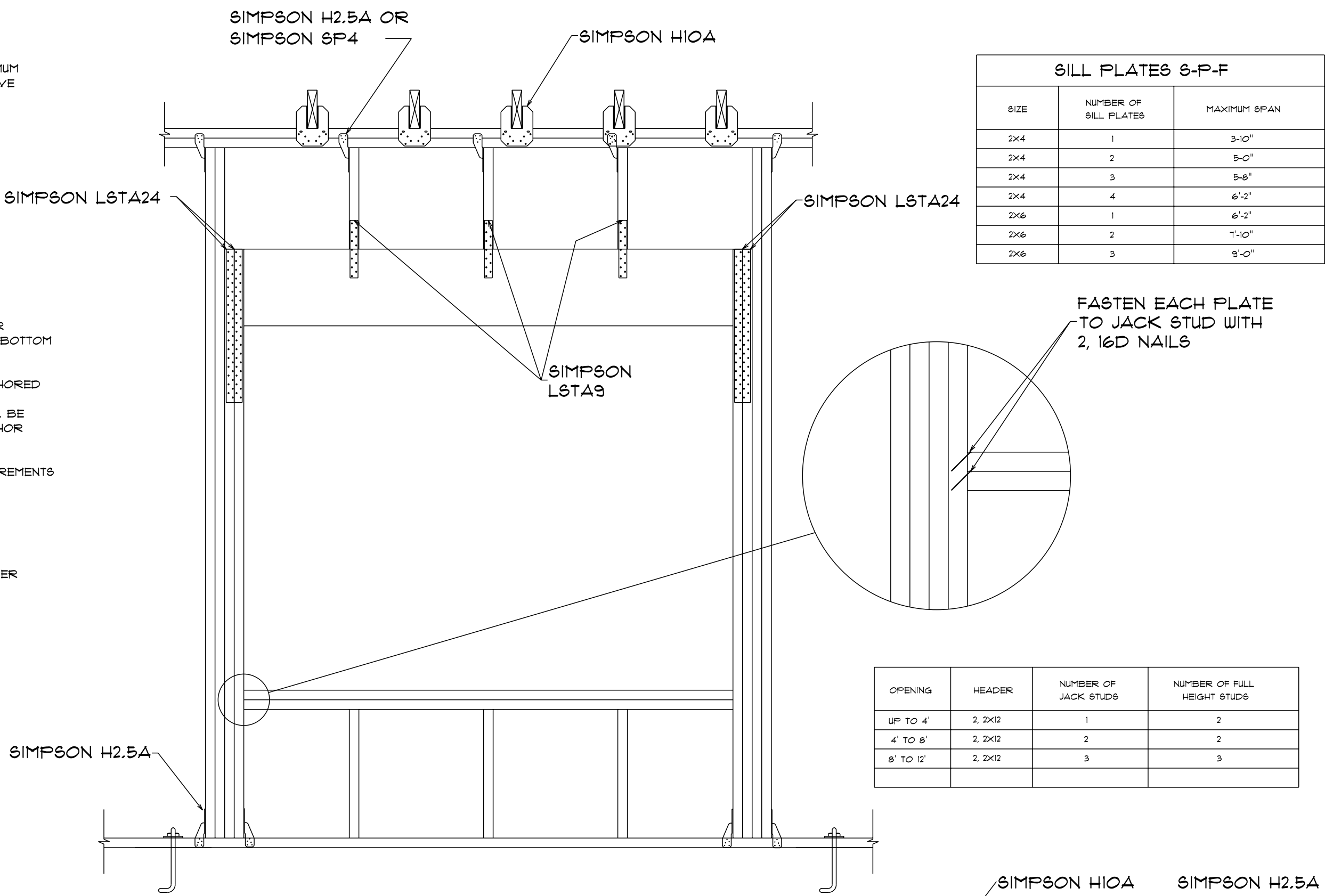
7. PROGRAMMABLE THERMOSTAT IS REQUIRED.

8. A MINIMUM OF 100% LIGHTS USED SHALL BE HIGH EFFICACY.

9. RECESSED LIGHT FIXTURES SHALL BE SEALED TO BE AIRTIGHT.

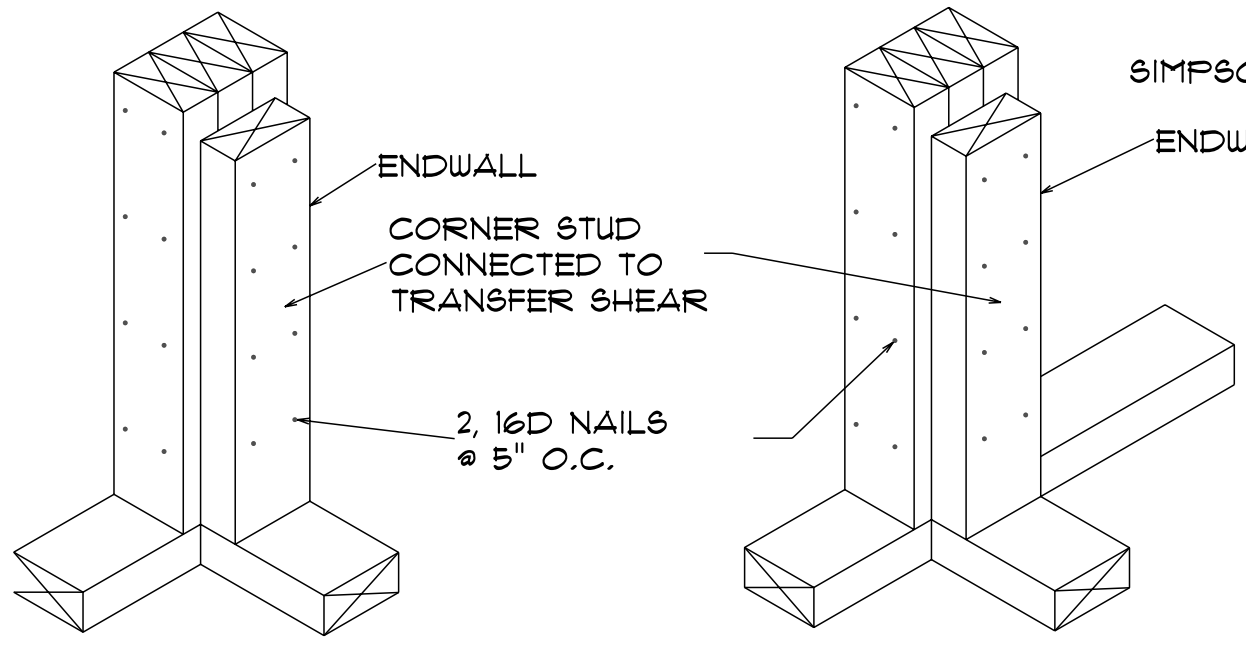
10. MINIMUM U-FACTOR: 40. MINIMUM SHGC: 0.25.

11. PEEL AND STICK ALUMINUM BACKED TAPED REQUIRED TO BE APPLIED TO ALL EDGES OF WINDOWS.



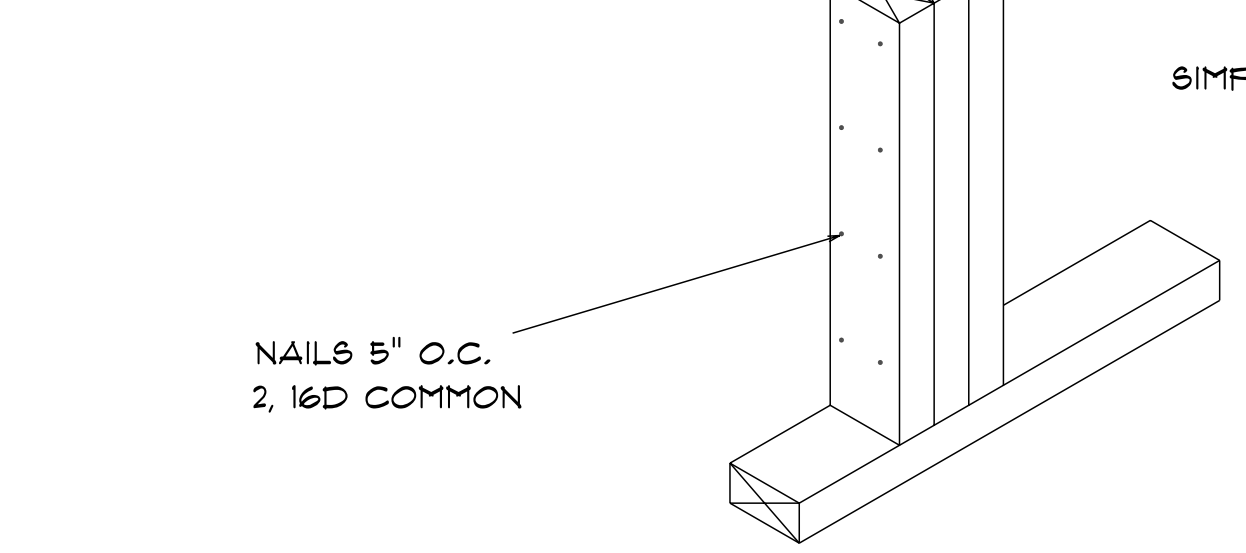
TYPICAL WINDOW FRAMING

scale: n.t.s.



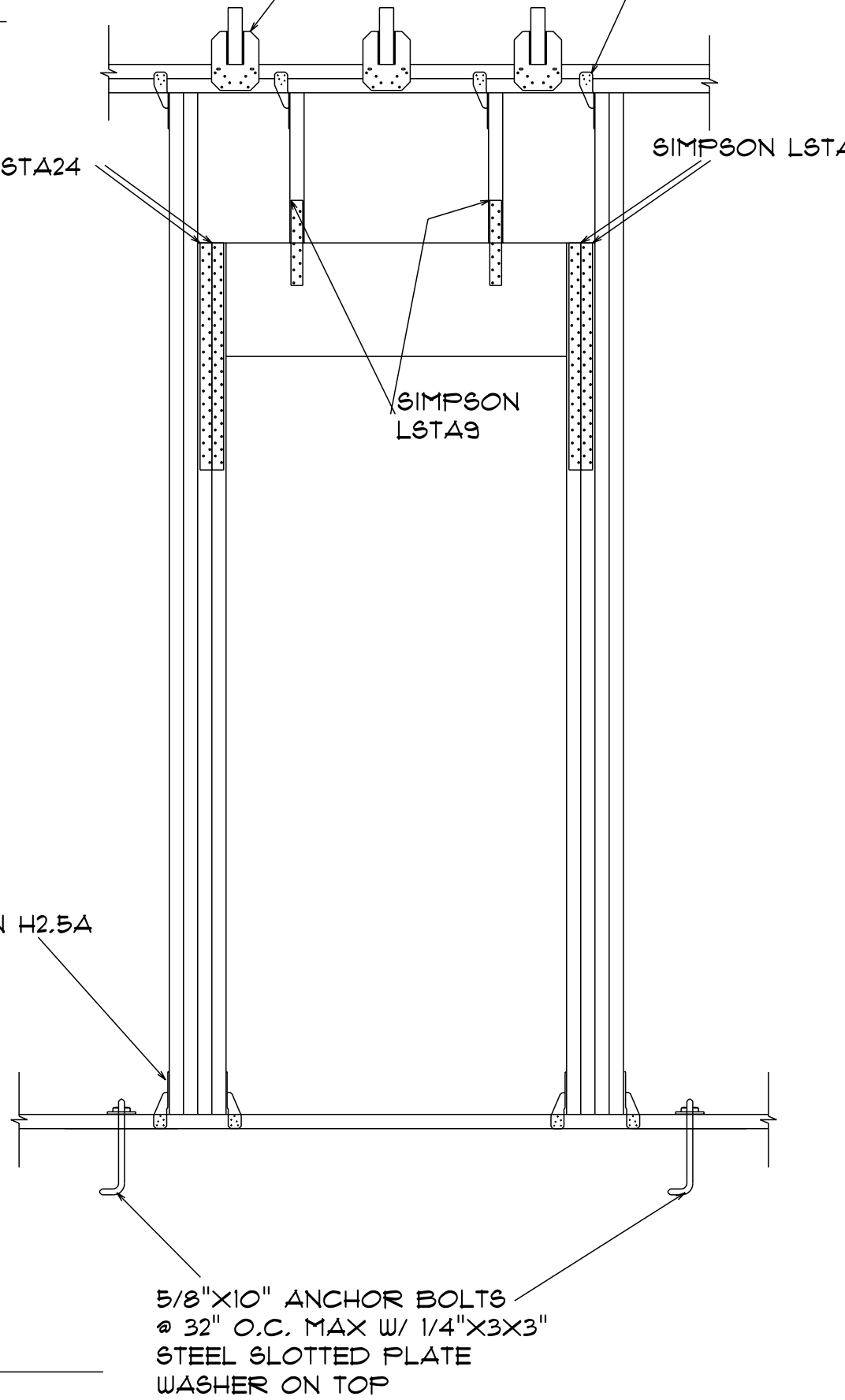
CORNER & "T" STUD

scale: n.t.s.



PACK STUD DETAIL

scale: n.t.s.



TYPICAL DOOR FRAMING

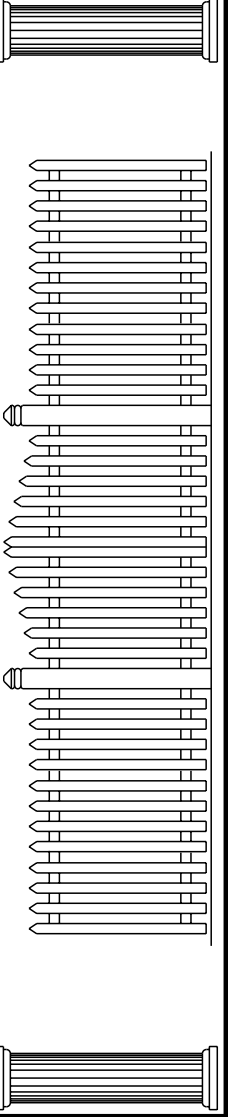
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DESCRIPTION: STRUCTURAL NOTES

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DRAWN BY: JASON HONG

SCALE: 1/4"=1'-0"

SHEET NUMBER: 6-1

DATE: 10-22-20

PROJECT NO: A-365291

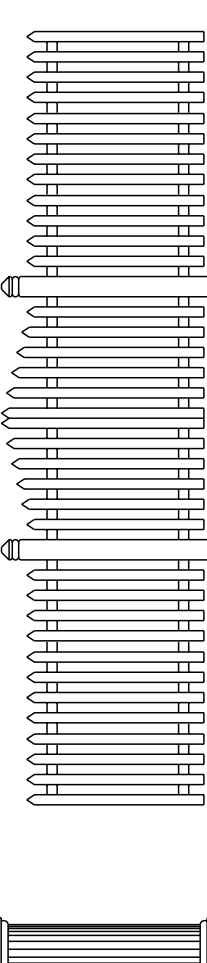
BAKER CLARK CUSTOM
HOME PLANNING
A NEW RESIDENCE FOR
BRIGADOON LOT #4
BALDWIN COUNTY, ALABAMA

25421 STATE HIGHWAY 181
DAPHNE, AL 36526
251-333-9988

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SHEET NUMBER: 6-2

DATE: 10-22-20

PROJECT NO: A-365291

BAKER CLARK CUSTOM
HOME PLANNING
A NEW RESIDENCE FOR
BRIGADOON LOT #4
BALDWIN COUNTY, ALABAMA

25421 STATE HIGHWAY 181
DAPHNE, AL 36526
251-333-9988



Contractor/Builder is responsible for verifying all dimensions and conditions.

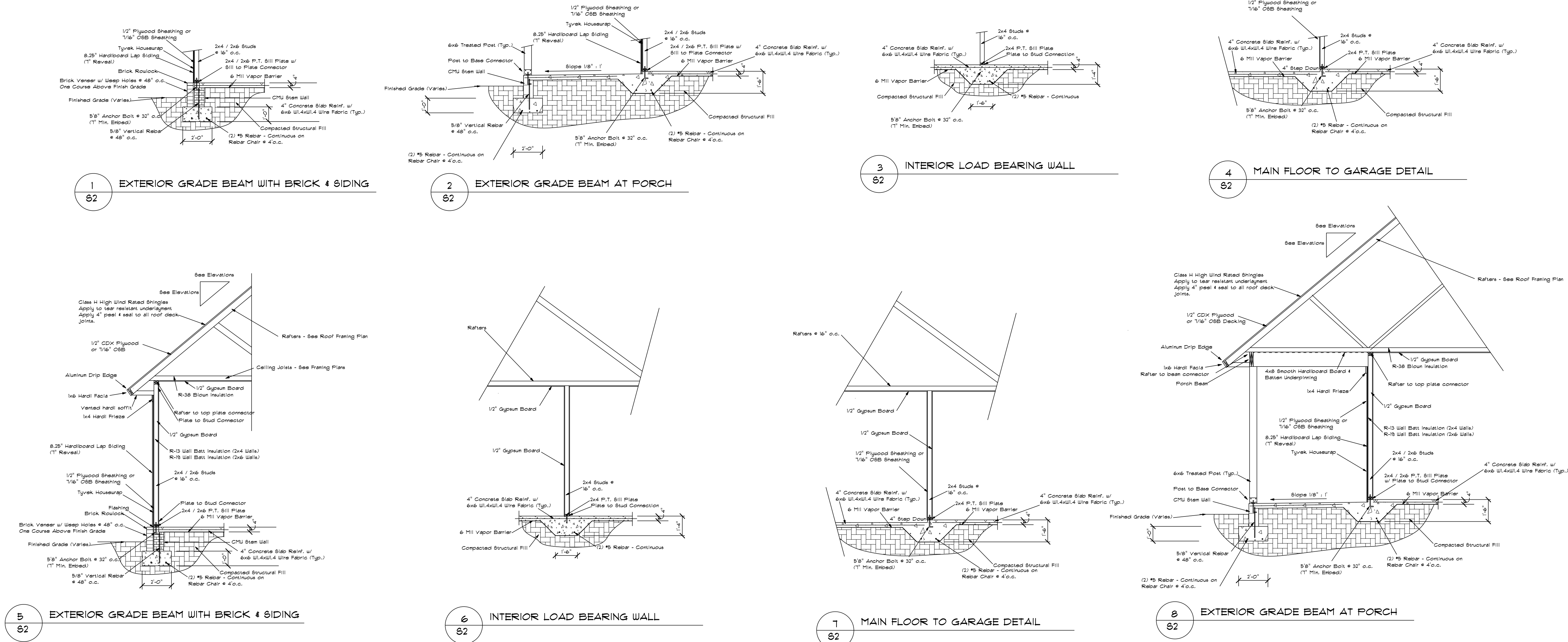


TABLE 6 2.1

STRAPPING REQUIREMENTS

Truss / Rafter to Top Plate Connection: H10A, MT620, or (2) Simpson Screws (See Table 62.3)
Rafters used in lieu of trusses: LSTA21 ridge strap connector req'd to tie rafters together
Top Plate to Stud Connection: 6PH4/6PH6 @ 32" o.c. or H2.5 @ 16" o.c.
Stud to Sill Plate Connection: 6PH4/6PH6 @ 32" o.c. or H2.5 @ 16" o.c.
Sill to Foundation Connection: 5/8" x 10" (1" embedment req'd) anchor bolts @ 32" o.c.
Rafter to Header Connection: HT620
Header to Jack Stud Connection: 2-EA - LSTA9
Header to Window Sill Connection: A23
Window/Door Jack Stud to Sill Plate Connection: See Door & Window Details
Garage Header to Jack Stud Connection: 2-EA - C816
Garage Jack Stud to Sill Plate Connection: 6THD10
Gable End Outlooker to Top Plate Connection: 2-EA - H2.5A
Gable End Blocking to Top Plate Connection: 2-EA - LTP5
Gable End Stud to Plates Connection: 2-EA - H2.5A @ 32" o.c.
Gable End Top Plated to Studs Connection: 6P6 @ 32" o.c.
Outlooker to Rafter Connection: Facenail or A34 Clip Angle
Diaphragm to Wall Connection: 2-EA - RBC per rafter bay
Out of Plane Wall Connection: 2-EA - GBC @ 36" o.c.
Porch Column to Header Connection: 2-EA - M8TA24
Column to Post Base: ABU-88

TABLE 6 2.3

Optional Attachments Using Simpson Screws

Rafter/Truss to top plate (in lieu of H10A): (2) SDWC15600 per rafter/truss
Top/Bottom Plate to Stud (in lieu of H2.5): (1) SDWC15600 @ 16" o.c. (Each Stud)

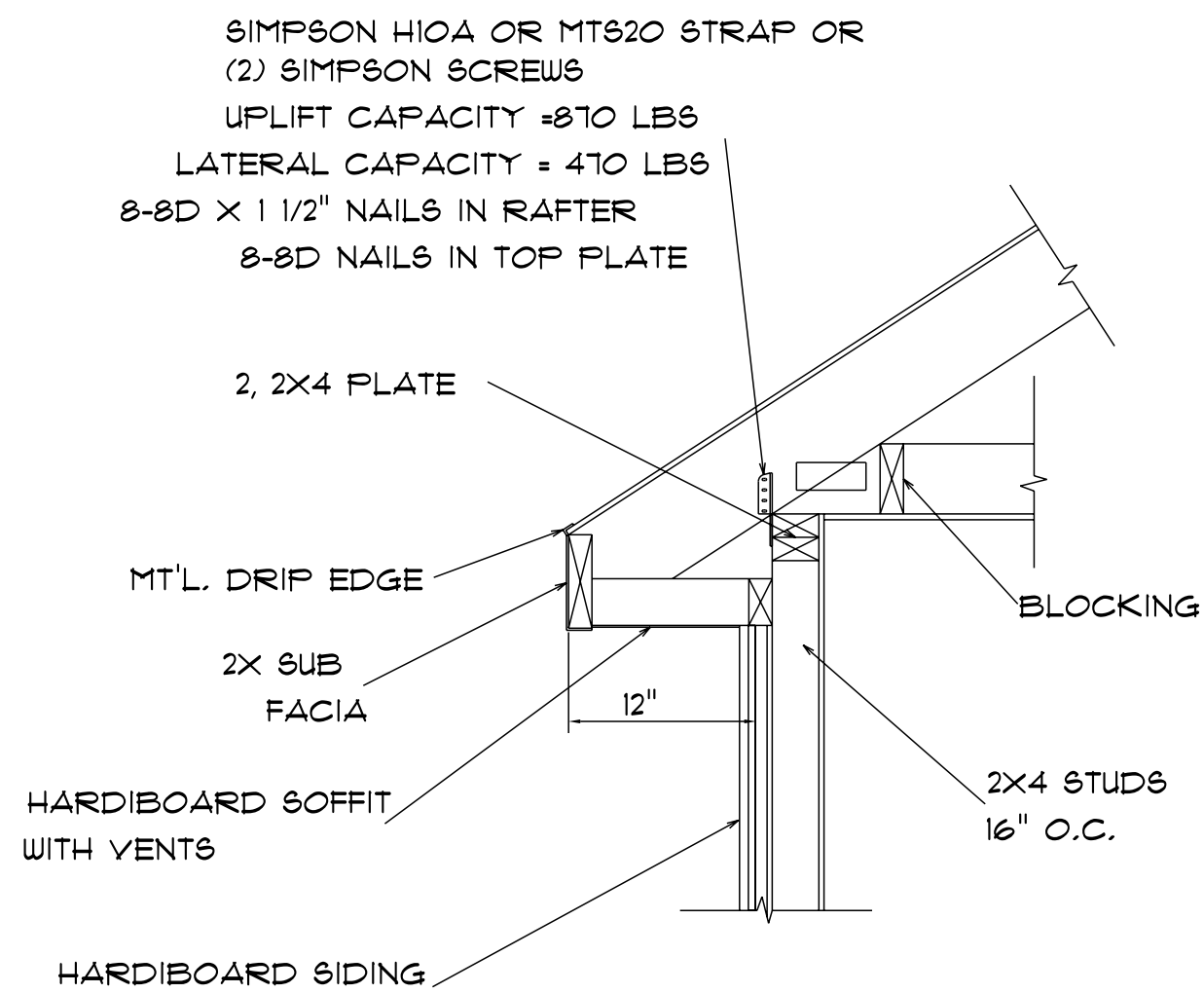
Refer to Manufacturer's Specifications for Proper Installation

NOTES:

1. Blocking is required between all exterior wall studs at mid-height of stud.

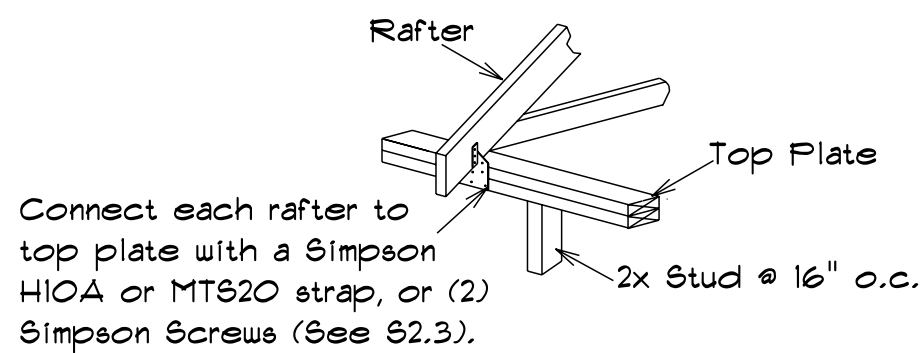
TABLE 6 2.2

Wall Openings - Headers in Loadbearing Wall		
Header Span (ft.)	Min. Header Size	
2	2 - 2x4	
3	2 - 2x4	
4	2 - 2x4	
5	2 - 2x6	
6	2 - 2x8	
7	2 - 2x12	
8	3 - 2x10	
9	4 - 2x10	
10	4 - 2x12	
18	2 - 1.75"x16" LVL	

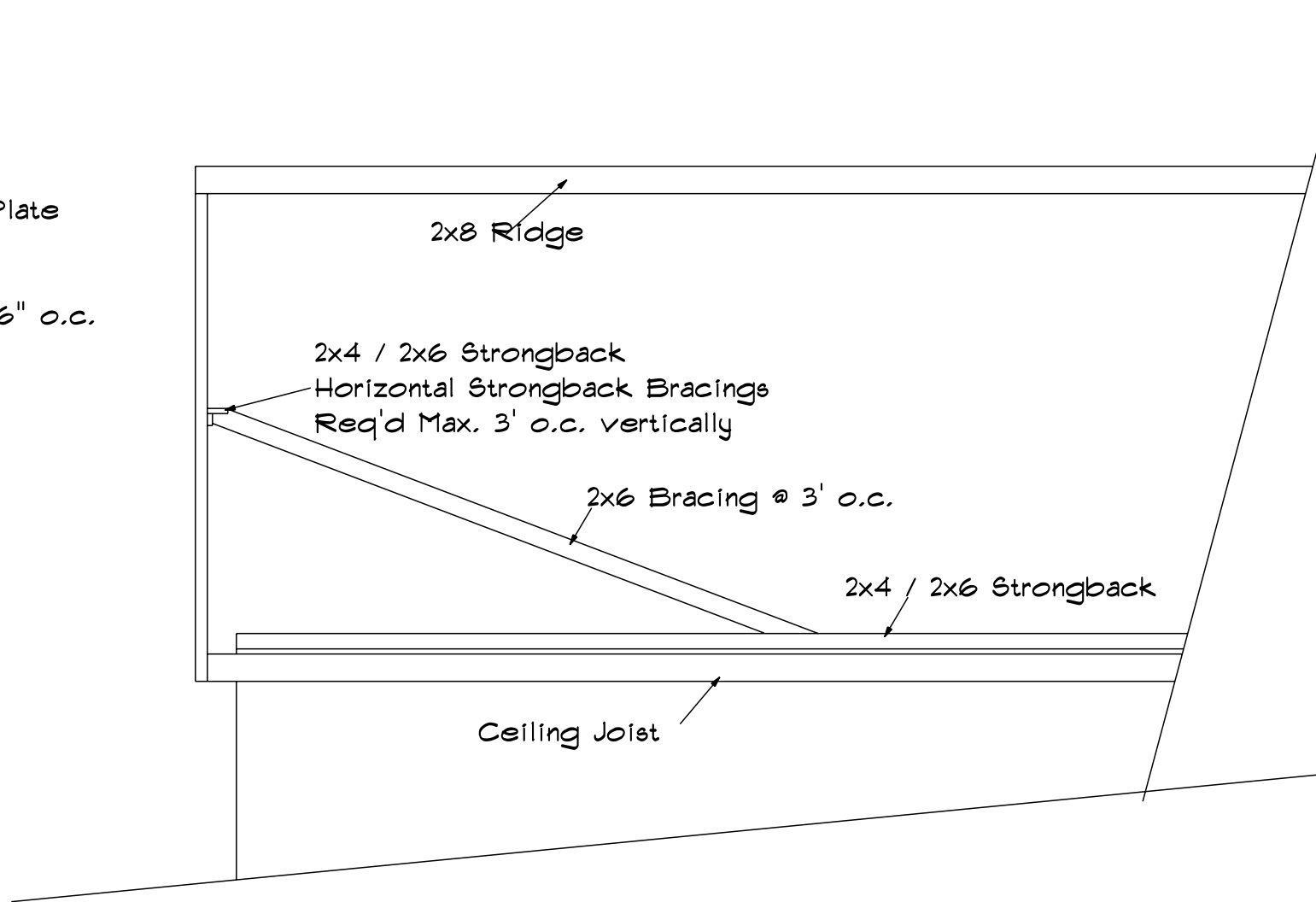


SIDING CORNICE

scale: n.t.s.

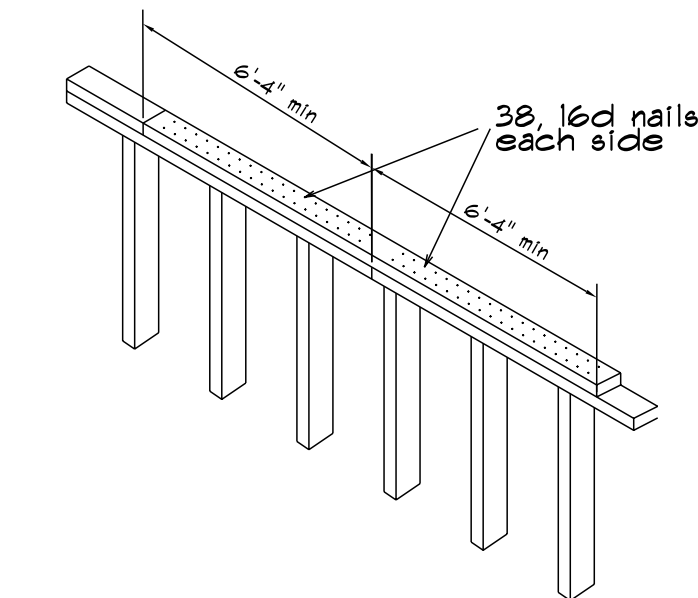


RAFTER / PLATE CONNECTION



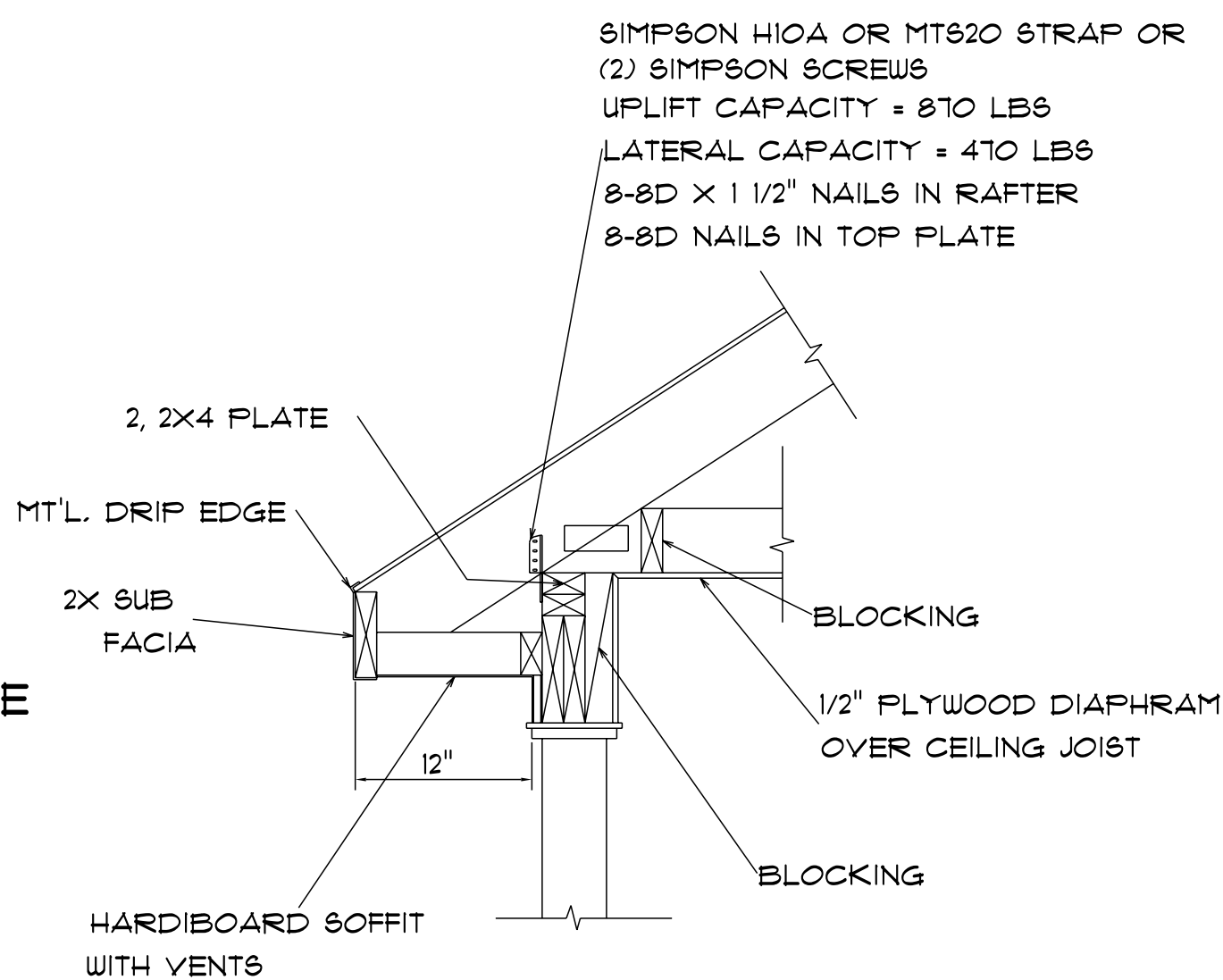
GABLE END WALL BRACING

scale: n.t.s.



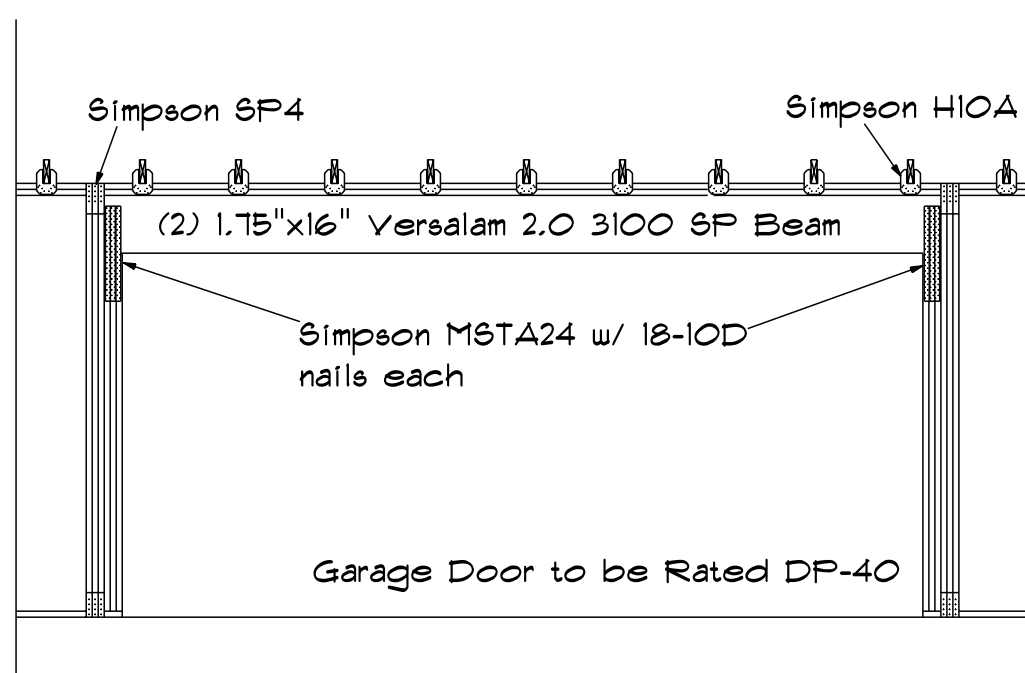
TYPICAL TOP PLATE SPLICE

scale: n.t.s.
shown for clarity



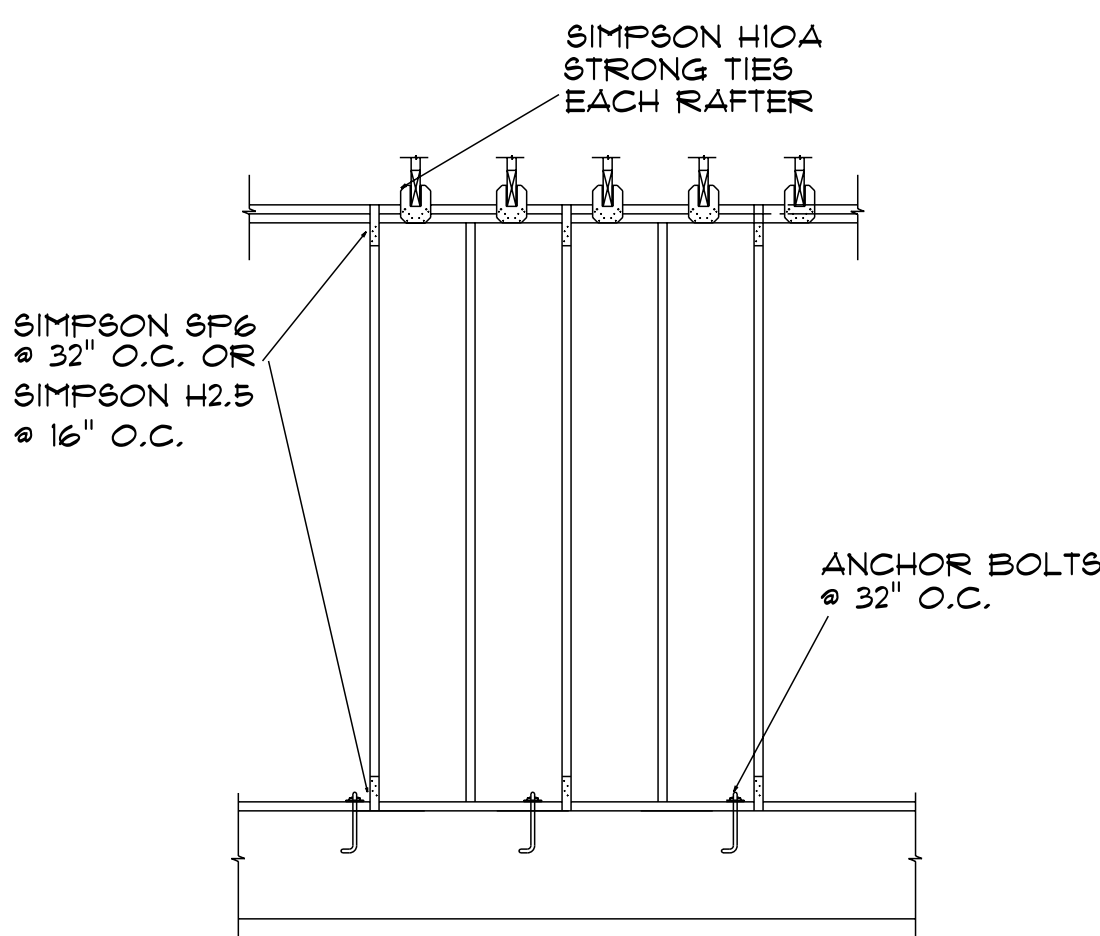
PORCH CORNICE

scale: n.t.s.



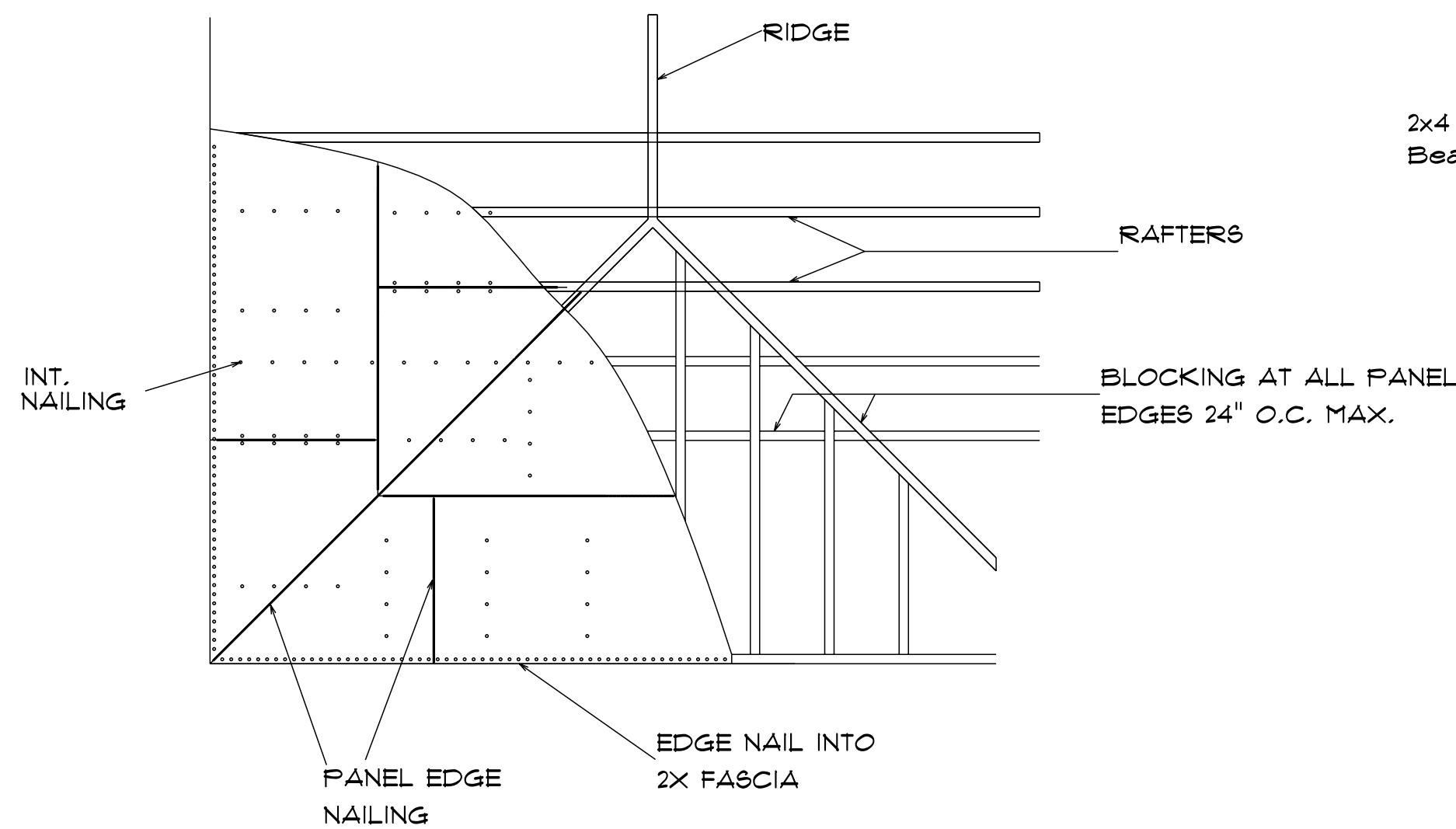
TYPICAL GARAGE DOOR OPENING

scale: n.t.s.



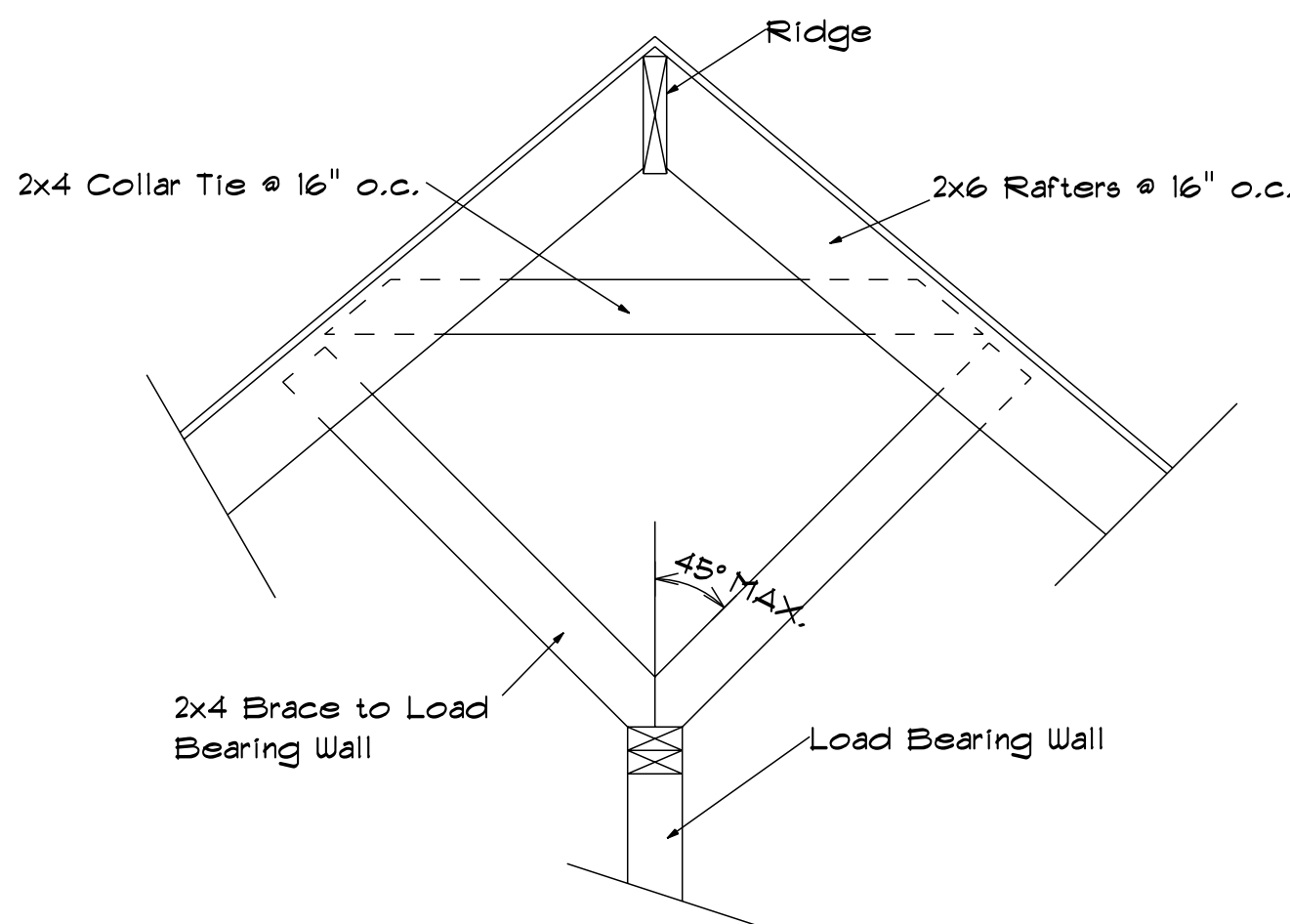
TYPICAL EXTERIOR WALL STRAPPING

scale: n.t.s.

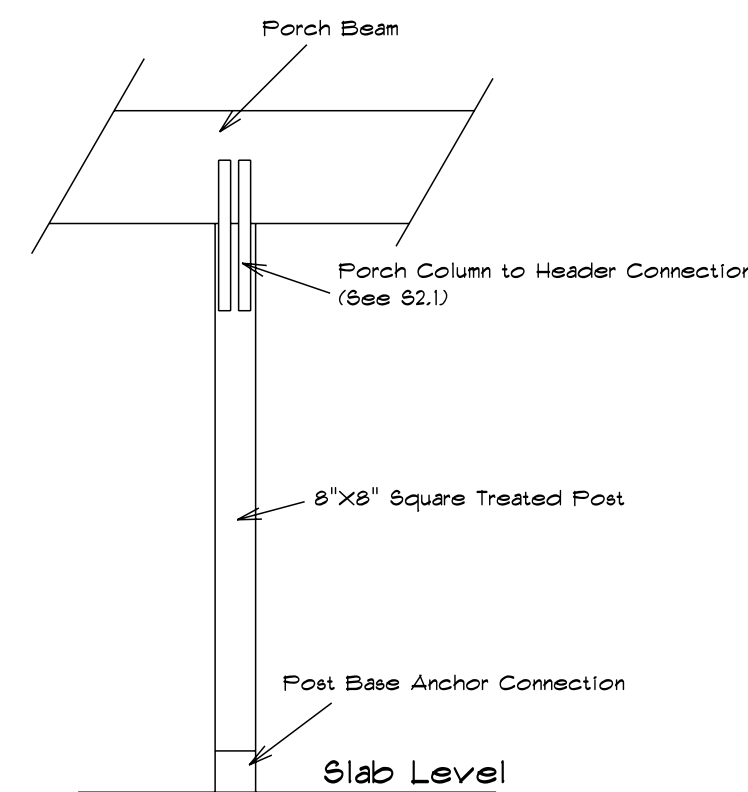


ROOF PANEL BLOCKING

scale: n.t.s.



ROOF BRACING DETAIL



EXTERIOR COLUMN CONNECTION

NAILING SCHEDULE

JOINT DESCRIPTION	* of Common Nails	* of Box Nails	Nail Spacing
ROOF FRAMING			
Blocking to Rafter (Toe-nailed)	2-8d	2-10d	each end
Rim Board to Rafter (End-nailed)	2-16d	3-16d	each end
Rafter or roof truss to plate (Toe-nailed)	3-10d	3-16d	2 toe nails on 1 side (1 on other per rafter)
WALL FRAMING			
Top Plates at Intersections (Face-nailed)	4-16d	5-16d	at joints
Stud to Stud (Face-nailed)	16d	16d	24" o.c.
Header to Header (Face-nailed)	16d	16d	16" o.c. along edges
Built up studs (Face nailed)	10d	10d	24" o.c.
Abutting studs @ intersecting wall corners (Face nailed)	16d	16d	12" o.c.
Built up header, two pieces w/ 1/2" spacer	16d	16d	16" o.c. along edges
FLOOR FRAMING			
Joist to Sill, Top Plate or Girder (Toe Nailed)	4-8d	4-10d	per joist
Blocking to Joist (Toe-nailed)	2-8d	2-10d	each end
Blocking to Sill or Top Plate (Toe-nailed)	3-16d	4-16d	each blocks
Ledger strip to Beam or Girder (Face-nailed)	3-16d	4-16d	each joist
Joist on Ledger to Beam (Toe-nailed)	3-8d	3-10d	per joist
Band Joist to Joist (End-nailed)	3-16d	4-16d	per joist
Band Joist to Sill or Top Plate (Toe-nailed)	2-16d	3-16d	per foot
Rim Joist to top plate (Toe-nailed)	8d	8d	6" o.c.
Rim Joist or blocking to sill plate (Toe-nailed)	8d	8d	6" o.c.
1"x6" subfloor or less to each joist (Face-nailed)	2-8d	2-8d	---
ROOF SHEATHING (Irregular Ring Shank Nails Required)			
Wood Structural Panels			
rafters or trusses spaced up to 16" o.c.	8d	10d	4" edge/4" field
rafters or trusses spaced over 16" o.c.	8d	10d	4" edge/4" field
gable endwall rake or rake truss w/o gable overhang	8d	10d	4" edge/4" field
gable endwall rake or rake truss w/ structural outlookers	8d	10d	4" edge/4" field
gable endwall rake or rake truss w/ lookout blocks	8d	8d	3" edge/3" field
CEILING SHEATHING			
Gypsum Wallboard	5d coolers	-	1" edge/10" field
WALL SHEATHING (Irregular Ring Shank Nails Required)			
Wood Structural Panels			
studs spaced up to 16" o.c.	8d	10d	6" edge/6" field
studs spaced over 16" o.c.	8d	10d	6" edge/6" field
25/32" Fiberboard Panels	8d	-	3" edge/6" field
1/2" Gypsum Wallboard	5d coolers	-	1" edge/10" field
FLOOR SHEATHING			
Wood Structural Panels			
1" or less	8d	10d	6" edge/6" field
greater than 1"	10d	16d	6" edge/6" field

BAKER CLARK CUSTOM
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A NEW RESIDENCE FOR
BRIGADOON LOT #4
BALDWIN COUNTY, ALABAMA

DRAWN BY: JASON HONG
SCALE: 1/4"=1'-0"
SHEET NUMBER: 6-3
DATE: 10-22-20
PROJECT NO: A-365291

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