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(Inside of Frame S.F.)	
A/C Area	Sq. Ft.
FIRST FLOOR	2443
Total A/C Area	2443

[illegible]

**Serenity Meadows - Lot 342 - 5921-09 (Poplar Ridge) -
Elevation B**

OPTIONS
GREAT ROOM FIREPLACE
GREAT ROOM TRAY CEILING
PRIMARY SUITE TRAY CEILING
GOURMET KITCHEN 2
SHOWER ILO TUB AT BATH 2
PREP ZONE
EXTENDED LAUNDRY W/OPT DOOR
PRIMARY BATH 2
12080 SGD (MULTI-SLIDE) - DINING
OUTDOOR LIVING PATIO
OUTDOOR LIVING FIREPLACE
LAUNDRY CABINETS
LAUNDRY SINK

- *Optional Gourmet Kitchen 2
- *Optional Prep Zone
- *Fireplace at Great Room
- *Tray Ceiling at Great Room (1' Fame Up)
- *12080 SGD (multislide) at Dining
- *Shower ILO Tub at Bath 2 w. Tile Walls
- *Tile Walls at Bath 3
- *Optional Primary Bath 2
- *Optional Tray Ceiling at Primary Bedroom (1' Frame Up)
- *Extended Laundry w/ Door from Primary WIC
- *Laundry Cabs at Base and Wall
- *Optional Laundry Sink
- *Optional Outdoor Living Fireplace
- *Optional Outdoor Living Patio 1

	ELEVATION KEY OR SECTION KEY		TUB/SHOWER		PLYWOOD
	CENTERLINE		LAVATORY		INSULATING SHEATHING
	HOSE BIB (FREEZE PROOF)		DBL SINK		BATT INSULATION
	GAS LINE STUB		LAUNDRY SINK		RIGID INSULATION
	TOWEL BAR		PEDESTAL SINK		CONCRETE
	PAPER HOLDER		WATER CLOSET		SAND OR GRAVEL FILL
	TOWEL RING				STONE
	SHOWER HEAD				2x FRAME WALL
	SHOWER CONTROLS				BRICK VENEER
					STONE VENEER

GREAT ROOM FIREPLACE
GREAT ROOM TRAY CEILING
PRIMARY SUITE TRAY CEILING
GOURMET KITCHEN 2
SHOWER ILO TUB AT BATH 2
PREP ZONE
EXTENDED LAUNDRY W/OPT DOOR
PRIMARY BATH 2
12080 SGD (MULTI-SLIDE) - DINING
OUTDOOR LIVING PATIO
OUTDOOR LIVING FIREPLACE
LAUNDRY CABINETS
LAUNDRY SINK

CONSTRUCTION PLANS DESIGNED TO MEET OR EXCEED
MINIMUM CODE REQUIREMENTS OF 2018 I.R.C.

ELECTRICAL PLANS DESIGNED TO MEET OR EXCEED MINIMUM
CODE REQUIREMENTS OF 2020 N.E.C.

15 - MECHANICALS

- 1) THE ATTACHED PLANS & SPECIFICATIONS ARE THE SOLE PROPERTY OF TRI POINTE HOMES ANY UNAUTHORIZED USE OF THESE PLANS WITHOUT PRIOR WRITTEN CONSENT OF TRI POINTE HOMES IS STRICTLY PROHIBITED.
- 2) TRI POINTE HOMES DESIGNS & BUILDS HOUSING AS SET FORTH BY THE FORMAT AND PROVISIONS OF THE INTERNATIONAL RESIDENTIAL CODE (IRC), AND THE NATIONAL ELECTRIC CODE (NEC). ANY NON-CONFORMING DOCUMENTS DISCOVERED BY THE CONTRACTOR OR HIS AGENTS SHALL BE CALLED TO THE IMMEDIATE ATTENTION OF TRI POINTE HOMES BY CALLING (469)329-0470.
- 3) THESE PLANS ARE SUBJECT TO MODIFICATIONS TO MEET CODE REQUIREMENTS AND/OR TO FACILITATE MECHANICAL/ ELECTRICAL/ PLUMBING INSTALLATION AND/ OR TO IMPLEMENT DESIGN IMPROVEMENTS. ANY INTENTION TO MODIFY THESE PLANS MUST BE APPROVED IN WRITING BY TRI POINTE HOMES
- 4) CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AFFECTING CONTRACTOR'S PRODUCTS, INSTALLATIONS, OR FABRICATIONS IN THE FIELD PRIOR TO EXPEDITING THE CONSTRUCTION OF SUCH WORK. FIELD VERIFY ALL DIMENSIONS - DO NOT SCALE DRAWINGS!! CONTRACTOR IS RESPONSIBLE FOR SURVEYING THE PROJECT AND BECOMING FAMILIAR WITH THE EXISTING CONDITIONS AND SCOPE OF WORK INCLUDING BUT NOT LIMITED TO SITE AND SOIL BEARING CONDITIONS.
- 5) ERRORS AND OMISSIONS WHICH MAY OCCUR IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT, IN WRITING, AND WRITTEN INSTRUCTION SHALL BE OBTAINED PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ERRORS, DISCREPANCIES, OR OMISSIONS FOR WHICH THE CONTRACTOR FAILED TO NOTIFY THE ARCHITECT PRIOR TO CONSTRUCTION AND/ OR FABRICATION OF THE WORK.

WOOD BUILT CHIMNEYS AND FIREPLACES SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS, AND ARE SUBJECT TO MECHANICAL INSPECTION PER IRC SECTION R1002.1.
EXTERIOR AIR INTAKE FOR COMBUSTION AIR PER IRC SECTION AS REQUIRED BY LOCAL MUNICIPALITY

16 - ELECTRICAL

- 1) ALL ELECTRICAL INSTALLATION SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (NEC). ALL MATERIAL AND EQUIPMENT SHALL BEAR THE LABEL OF APPROVAL OF THE UNDERWRITERS LABORATORIES, INC.
- 2) ELECTRICAL CONTRACTOR SHALL VERIFY SPACE REQUIRED FOR METER INSTALLATION BEFORE CONSTRUCTION AND SHALL NOTIFY GENERAL CONTRACTOR OF ANY DISCREPANCIES.
- 3) VERIFY LOCATION OF ALL RECEPTABLES FOR APPLIANCES WITH MANUFACTURER SPECIFICATIONS.
- 4) GROUND FAULT INTERRUPTS SHALL BE LOCATED PER THE NEC.
- 5) ALL SWITCHES SHALL BE INSTALLED AT 3'-6" ABOVE FINISHED FLOOR TO CENTERLINE OF SWITCH UNLESS NOTED OTHERWISE.
- 6) ALL CONVENIENCE OUTLETS SHALL BE INSTALLED W/ CENTERLINE OF OUTLET LOCATED 1'-3" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE.
- 7) ALL CONVENIENCE OUTLETS WITH SWITCHES TO BE SWITCH AT TOP ONLY.
- 8) ALL EXTERIOR WALL BRACKET FIXTURES SHALL BE INSTALLED AS NOTED ON PLANS.
- 9) APPROVED SMOKE DETECTORS SHALL BE LOCATED ON EVERY STORY OF THE DWELLING UNIT AS PER IRC SECTION R317 (SEE SHEET B.1 FOR LOCATIONS). WHERE MORE THAN ONE DETECTOR IS REQUIRED THEY SHALL BE INTERCONNECTED. POWER SOURCE SHALL BE BUILDING POWER w/ BATTERY BACKUP.
- 10) CONDUCTORS SHALL BE OF COPPER.

2 - SITE CONSTRUCTION

- 1) BACK FILL SHALL BE FREE FROM VEGETATION AND CONSTRUCTION DEBRIS.
- 2) BACK FILL SHALL BE PLACED IN LIFTS AND COMPACTED IN SUCH A MANNER AS BACKFILL TO NOT DAMAGE THE FOUNDATION WALLS OR ANY WATERPROOFING/ DAMPPROOFING MATERIALS.

3 - CONCRETE

1) SLOPE ON GARAGE SLAB SHALL BE 1/8" PER FOOT TOWARDS VEHICLE DOOR. SLOPE ON PORCH AND PATIOS SHALL BE 1/8" PER FOOT AWAY FROM HOUSE.

4 - MASONRY

- 1) ALL EXTERIOR BRICK MUST MEET ASTM C-216 FOR "SW" CONDITIONS
- 2) MASONRY VENEER SHALL BE ATTACHED TO SUPPORTING WALLS w/ CORRUGATED METAL TIES IN ACCORDANCE WITH R703.7.4.1 - I.R.C. OR LOCAL CODE REQUIREMENTS
- 3) WEEPHOLES SHALL BE PROVIDED ALONG THE OUTSIDE WYTHE OF EXTERIOR MASONRY WALLS AT 33" O.C. MAX. SHALL BE A MIN. OF 3/16" IN DIAMETER, AND LOCATED IMMEDIATELY ABOVE THE FLASHING PER R703.7.6 - I.R.C.

5 - METALS

6 - WOOD AND PLASTICS

7 - THERMAL & MOISTURE PROTECTION

- 1) FIRE STOPPING AND/ OR DRAFT STOPPING SHALL MEET THE REQUIREMENTS OF IRC R602.8.
- 2) ATTIC VENTILATION SHALL BE PROVIDED AT 1/300 TH OF THE AREA OF THE SPACE VENTILATED. CROSS VENTILATION WITH HALF OF THE VENTILATED AREA SHALL BE PROVIDED BY ROOF VENTS AND THE OTHER HALF BY SOFFIT VENTS. VENTS SHALL BE PLACED SO AS TO NOT ALLOW INFILTRATION OF RAIN OR SNOW.
- 3) PROVIDE APPROVED TILE BACKER DRYWALL FOR ALL SHOWER AND BATH SPACE
- 4) PROVIDE ATTIC VENTILATION PER IRC-R806.1

8 - DOORS AND WINDOWS

- 1) REVIEW ALL WINDOW HDR HEIGHTS PER PLATE HT. AND VERIFY W/ ELEVATIONS AND CORNICE DETAILS
- 2) TEMPERED GLASS SHALL BE USED IN HAZARDOUS AREAS AS DESCRIBED IN SECTION R308.4 – I.R.C.
- 3) FRONT DOOR WIDTH PER IRC-R311.3
- 4) GARAGE DOOR PER IRC-R309.1
- 5) EMERGENCY EGRESS SHALL MEET REQUIREMENTS OF SECTION R310 – I.R.C. 2018 – SLEEPING ROOMS SHALL HAVE AT LEAST ONE EGRESS OPENING OF NOT LESS THAN 5.7 SF AND A CLEAR OPENING OF NOT LESS THAN 20" WIDE X 24" HIGH AND SHALL NOT BE MORE THAN 44" ABOVE THE FLOOR.

GENERAL FRAMING SPECS AND CONSTRUCTION
NOTES STAIRS:

- 1) THE MAXIMUM RISER HEIGHT SHALL BE 7 3/4 INCHES AND THE MINIMUM TREAD DEPTH SHALL BE 10 INCHES IN ACCORDANCE WITH SECTION I.R.C.
- 2) HANDRAILS HAVING MINIMUM AND MAXIMUM HEIGHTS OF 34 INCHES AND 38 INCHES SHALL BE PROVIDED ON AT LEAST ONE SIDE OF STAIRWAYS IN ACCORDANCE WITH SECTION R315.1 - I.R.C.
- 3) HANDRAIL AND BALUSTRADE (WHERE PRESENT) SHALL BE CONSTRUCTED ACCORDING TO IRC.
- 4) ALL REQUIRED HAND RAILS SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS W/ 2 OR MORE RISERS FROM A POINT ABOVE THE TOP RISER OF A FLIGHT TO A POINT ABOVE THE LOWEST RISER OF THE FLIGHT. ENDS SHALL BE RETURNED OR SHALL TERMINATE AT NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1.5" BETWEEN THE WALL AND HAND RAIL.

WALLS:

1) ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD. ALL STUDS ARE 3 1/2" UNLESS NOTED. ALL DIMENSIONS PRESENTED HERE ARE FRAME DIMENSIONS ONLY.

2) SEPARATION BETWEEN THE RESIDENCE AND THE GARAGE SHALL BE MAINTAINED BY INSTALLATION OF 1/2" GYPSUM BOARD ON ALL COMMON WALLS. 2-STORY HOMES REQUIRE 5/8" TYPE X GYPSUM BOARD AT GARAGE CEILINGS WHERE HABITABLE ROOMS ARE PRESENT ABOVE.

FLOORS:

- 1) STRUCTURAL FLOOR MEMBERS SHALL NOT BE CUT, BORED, OR NOTCHED IN EXCESS OF THE LIMITATIONS SPECIFIED IN IRC.
- 2) THE ENDS OF EACH JOIST, BEAM, OR GIRDER SHALL HAVE NOT LESS THAN 1.5 INCHES OF BEARING ON WOOD OR METAL AND NOT LESS THAN 3 INCHES ON MASONRY OR CONCRETE OR AS OTHERWISE SPECIFIED IN IRC.
- 3) ALL DIMENSIONAL FLOOR JOISTS TO BE PER ENGINEER STRUCTURAL PLANS.

FRAMING:

- 1) ALL FRAMING DIMENSIONS TO FACE OF MEMBER.
- 2) ALL BEARING HEADERS TO BE PER ENGINEERING PLANS.
- 3) FIRE STOPPING AND/ OR DRAFT STOPPING SHALL MEET THE REQUIREMENTS OF IRC R602.8.

ROOF:

- 1) HIP AND VALLEY RAFTERS SHALL BE SUPPORTED AT RIDGE DOWN TO BEARING PARTITION. CUT ENDS OF RAFTERS SHALL BE FULLY SUPPORTED WALL AND RIDGE.
- 2) REQUIRED VENTILATION AREAS CALCULATED AT 1/300 RATIO.

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COVER SHEET & GENERAL NOTES

SUBDIVISION: ALTIS @ SERENITY

ADDRESS: 86 FIREFLY LANE

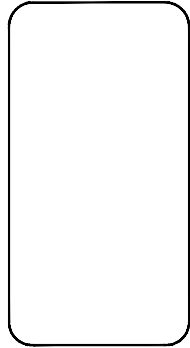
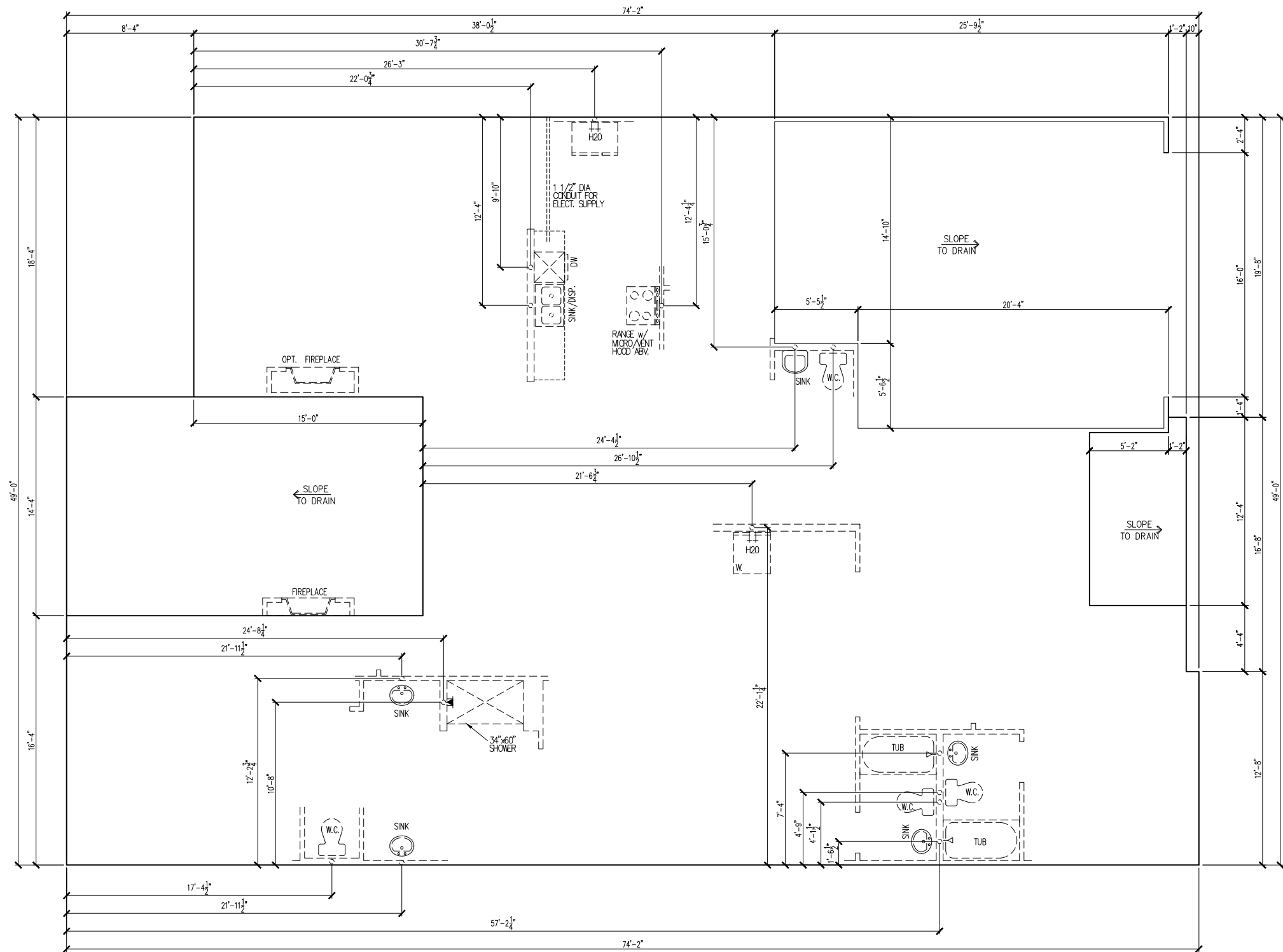
LOT: 342

Issue Date: 10-08-24
Drawn By: ACC

PLAN #:
5921-09

PLAN NAME:
POPLAR RIDGE

SHEET #:
G0.01



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BASE FOUNDATION PLAN

SUBDIVISION: ALTIS @ SERENITY
ADDRESS: 86 FIREFLY LANE
LOT: 342

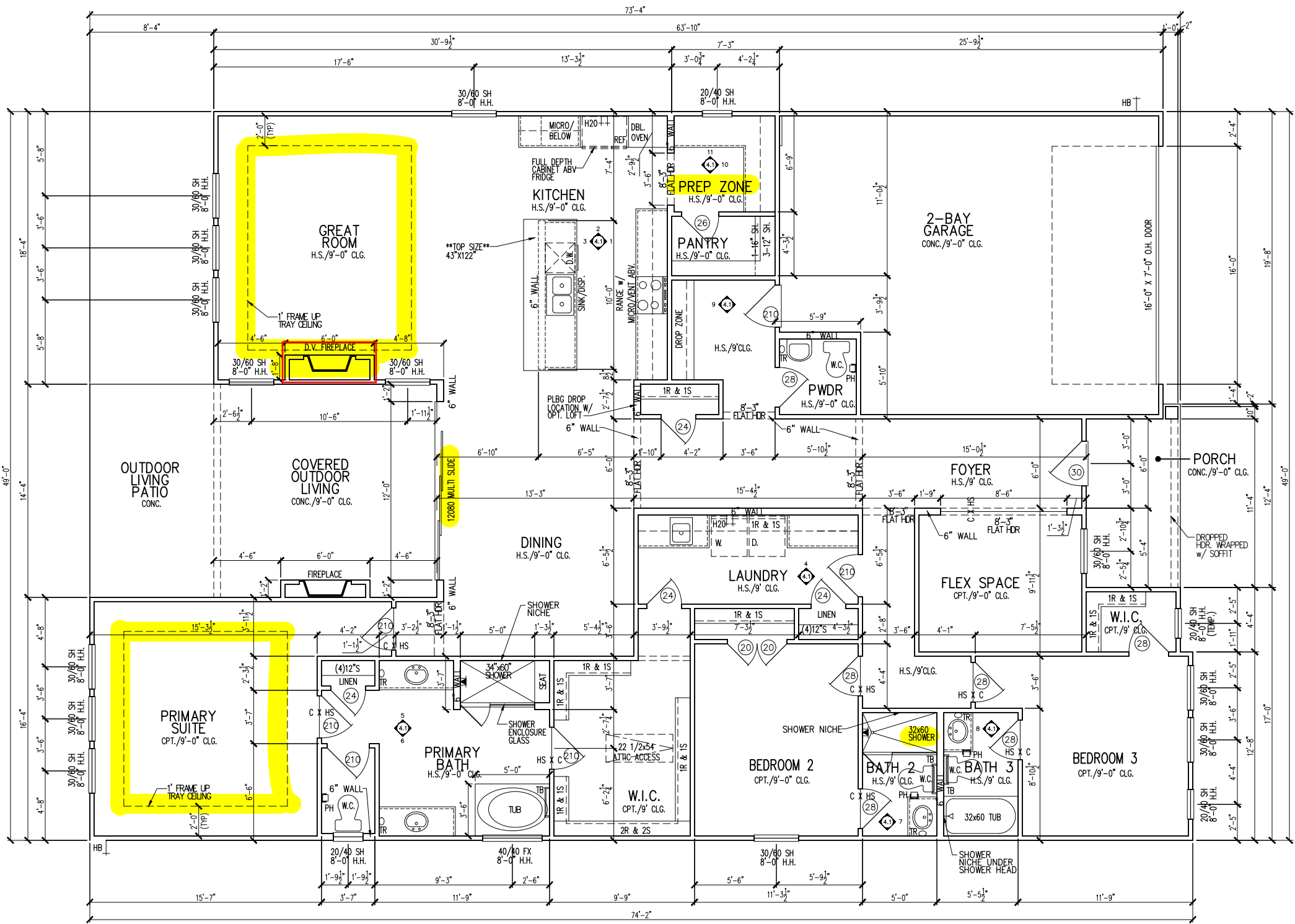
Issue Date: 10-08-24
Drawn By: ACC

PLAN #:
5921-09

PLAN NAME:
POPLAR RIDGE

SHEET #:
S1.10B

MAIN FLOOR NOTES	
#	EXPLANATION
1.	ALL NON-DIMENSIONED PARTITIONS ARE 3-1/2" ROUGH
2.	ALL ANGLED PARTITIONS ARE 45 DEGREES UNLESS NOTED OTHERWISE (U.N.O.)
3.	PROVIDE MIN. 2-2x12's w/ 1/2" PLYMD. FLITCH PLATE AT ALL EXTERIOR WALL OPENINGS & INTERIOR BEARING WALL OPENINGS U.N.O.
4.	ALL EXTERIOR DIM'S ARE TO FACE OF STUDS U.N.O.
5.	ALL TRUSSES TO BEAR ON EXTERIOR WALLS AND/OR GIRDER TRUSS U.N.O.
6.	TRUSS MFG. TO SIZE MEMBERS, FASTENERS, HANGERS & SET SPACING FOR ALL TRUSSES
7.	WINDOW SUPPLIER TO VERIFY AT LEAST ONE WINDOW IN ALL BEDROOMS TO HAVE A CLEAR EGRESS OPENING OF 5.7 SQ. FT. w/MIN DIM'S OF 24" IN HT AND 20" IN WIDTH; SILL HT NOT TO EXCEED 44" AFF
8.	ALL BALUSTER TO BE SPACED SUCH THAT A 4" SPHERE CANNOT PASS BETWEEN BALUSTER
9.	ALL ELEC. & MECH. EQUIPMENT & METERS ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS; CONTRACTOR TO VERIFY
10.	FOR ADDITIONAL NOTES, SEE GENERAL NOTES ON TITLE SHEET & DETAILS
11.	ALL TYP. WINDOWS 6'-0" IN HT AND SMALLER, THE HEAD HEIGHT SHALL BE 8'-10" ABOVE FINISHED FLOOR (U.N.O.)
12.	STRUCTURAL ENGINEERING PROVIDED BY OTHERS
13.	REFER TO INTERIOR ELEVATIONS SHEET TO VIEW BUBBLE CALLOUTS
14.	INTERIOR DOOR HEIGHTS ARE AS FOLLOWS - PRIMARY SUITE, PRIMARY BATH, & PRIMARY CLOSET ARE 8' TALL DOORS. ALL OTHER DOORS ARE 6'-8"
15.	BATH ACCESSORY INSTALLATION HEIGHTS ARE MEASURED TO CENTER OF ACCESSORY: TB - 48" A.F.F. TR - 20" ABV. VANITY COUNTER-TOP TH - 70" A.F.F. TP - 26" A.F.F.
16.	SHUT-OFF VALVE TO BE LOCATED IN GARAGE



**Serenity Meadows - Lot 342 -
5921-09 (Poplar Ridge) -
Elevation B**

- *Optional Gourmet Kitchen 2
- *Optional Prep Zone
- *Fireplace at Great Room
- *Tray Ceiling at Great Room (1' Fame Up)
- *12080 SGD (multislide) at Dining
- *Shower ILO Tub at Bath 2 w. Tile Walls
- *Tile Walls at Bath 3
- *Optional Primary Bath 2
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- *Extended Laundry w/ Door from Primary WIC
- *Laundry Cabs at Base and Wall
- *Optional Laundry Sink
- *Optional Outdoor Living Fireplace
- *Optional Outdoor Living Patio 1

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1st FLOOR PLAN
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ADDRESS: 86 FIREFLY LANE
LOT: 342

Issue Date: 10-08-24
Drawn By: ACC

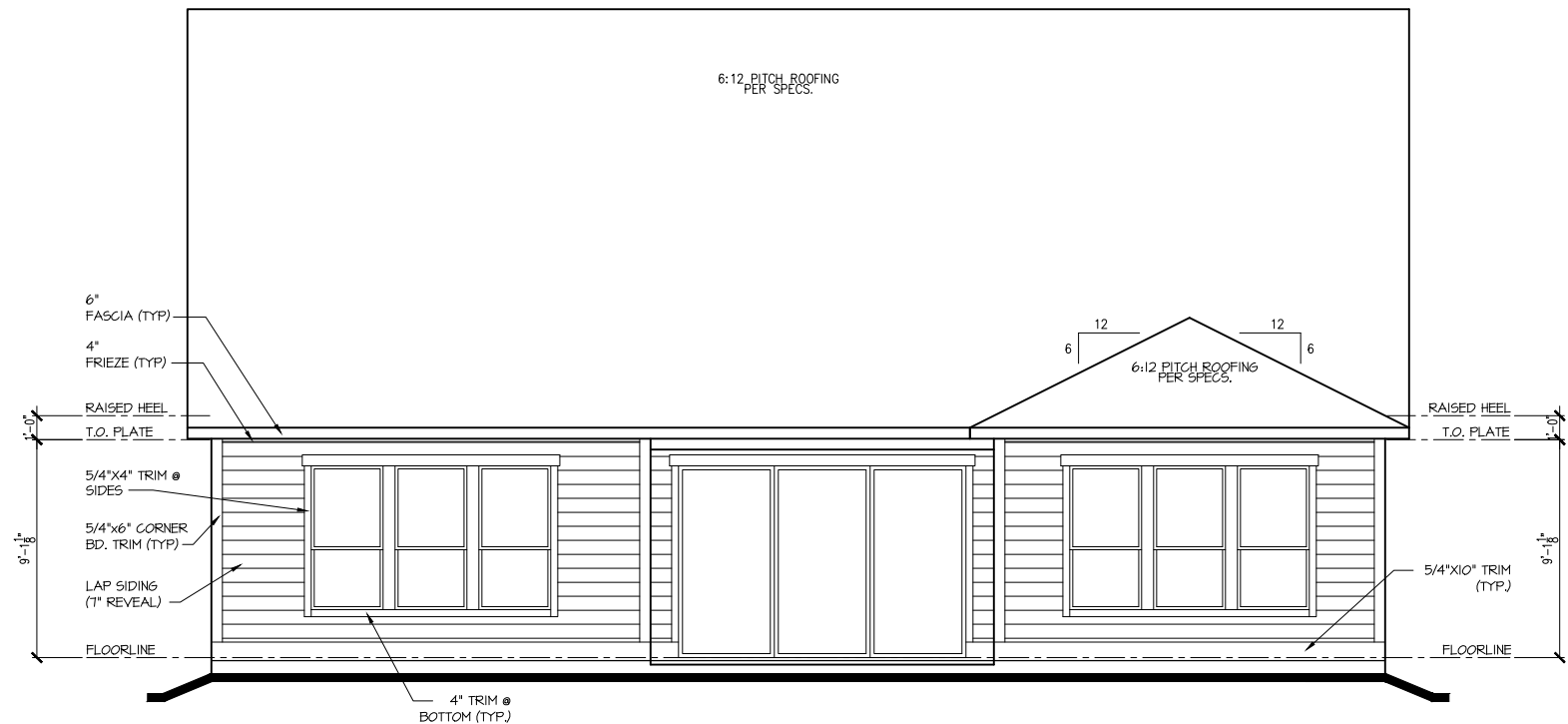
PLAN #:
5921-09

PLAN NAME:
POPLAR RIDGE

SHEET #:
A1.10



FRONT ELEV. "B"
1/8"=1'-0"



REAR ELEV. "B"
1/8"=1'-0"

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EXTERIOR ELEVATIONS

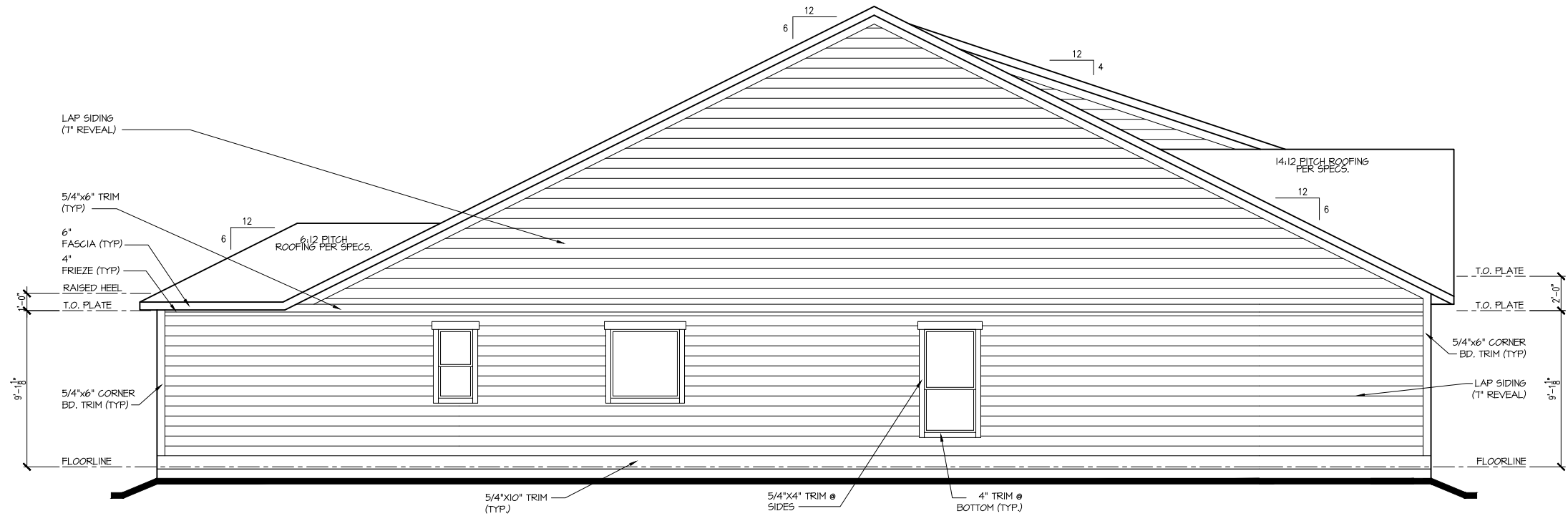
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ADDRESS: 86 FIREFLY LANE
LOT: 342

Issue Date: 10-08-24
Drawn By: ACC

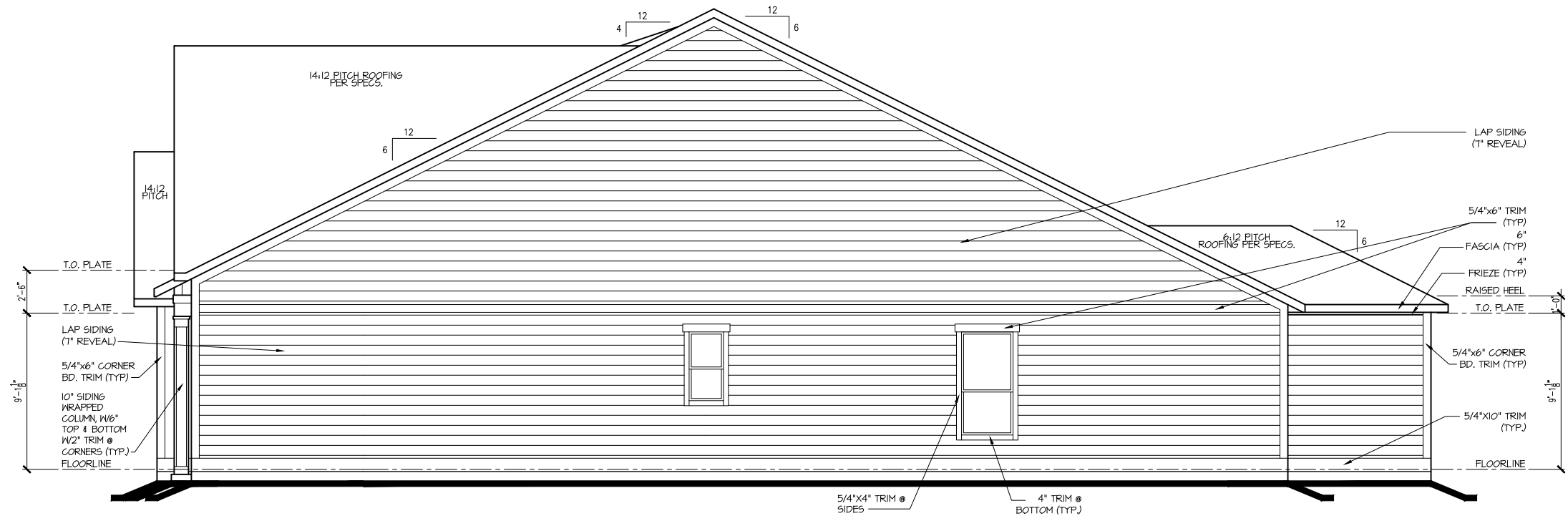
PLAN #:
5921-09

PLAN NAME:
POPLAR RIDGE

SHEET #:
A2.01B



LEFT ELEV. "B"
1/8"=1'-0"



RIGHT ELEV. "B"
1/8"=1'-0"

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EXTERIOR ELEVATIONS

SUBDIVISION: ALTIS @ SERENITY
ADDRESS: 86 FIREFLY LANE
LOT: 342

Issue Date: 10-08-24
Drawn By: ACC

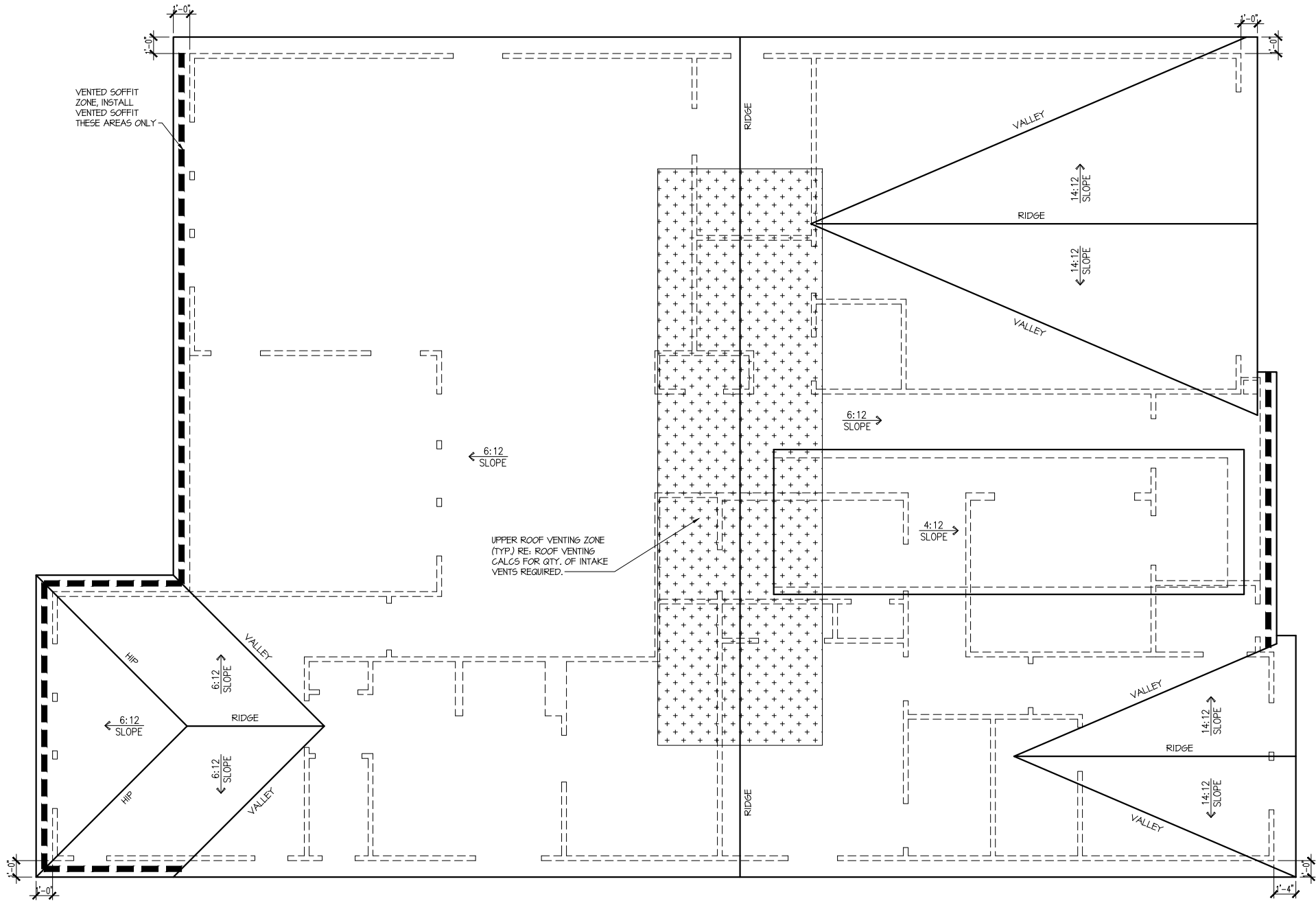
PLAN #:
5921-09

PLAN NAME:
POPLAR RIDGE

SHEET #:
A2.02B

Attic Venting Calculations Elev. "B"	
ROOF INFORMATION	BASE
TOTAL SF ROOF AREA	3563
AVAILABLE L.F. ROOF SOFFIT	82
AVAILABLE L.F. ROOF RIDGE	91
VENT TYPES	QTY VENTS REQ'D
LOWER VENTS CONTINUOUS SOFFIT VENTING @ 5 S/LF	171 LF
UPPER VENTS SLANT 150 VENTS @ 150 S/LV/VENT	6
UPPER VENTS RIDGE VENTS @ 72 S/LV/VENT	12

NOTE:
QTY OF UPPER VENTS SHOWN COVERS 100% OF UPPER VENTING. NO MIXING
OF VENT TYPES FOR UPPER VENTING IS FIGURED FOR IN THIS TABLE.



ROOF PLAN 'B'
SCALE: 1/8" = 1'-0"

ROOF PLAN

SUBDIVISION: ALTIS @ SERENITY
ADDRESS: 86 FIREFLY LANE
LOT: 342

Issue Date: 10-08-24
Drawn By: ACC

PLAN #:
5921-09

PLAN NAME:
POPLAR RIDGE

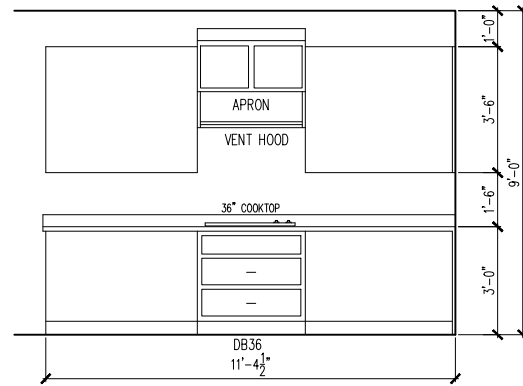
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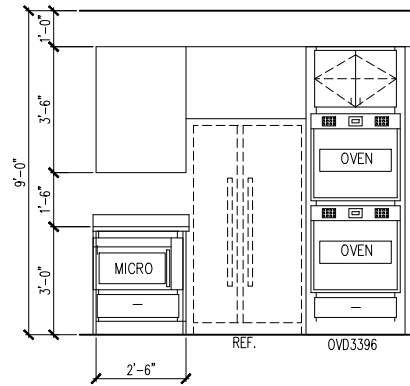
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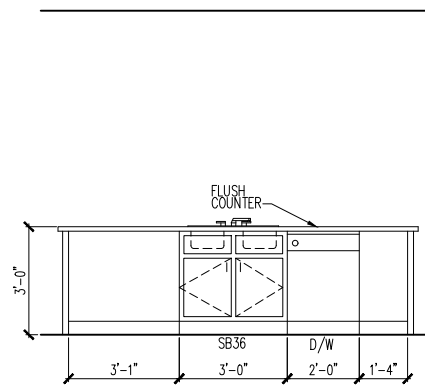
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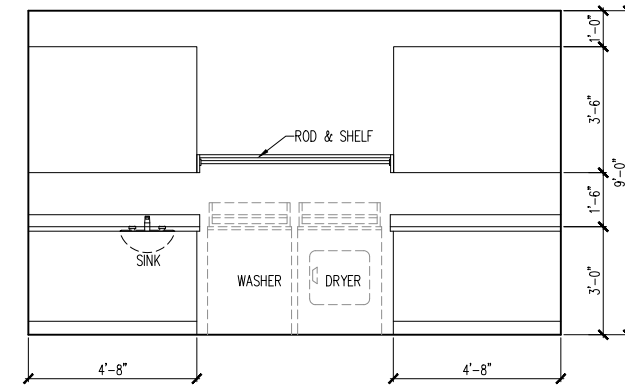
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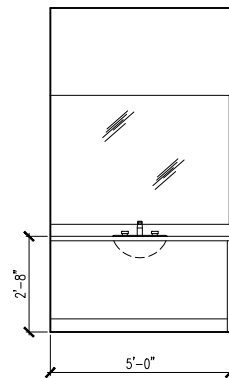
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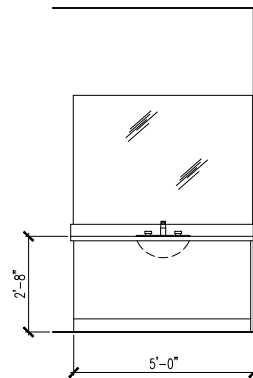
3 KITCHEN ISLAND



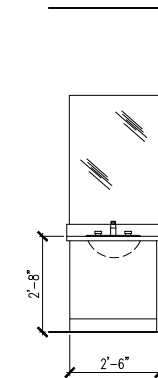
4 LAUNDRY ROOM



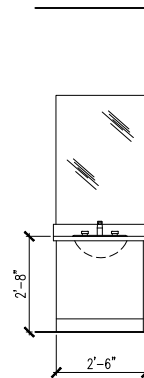
5 PRIMARY BATH



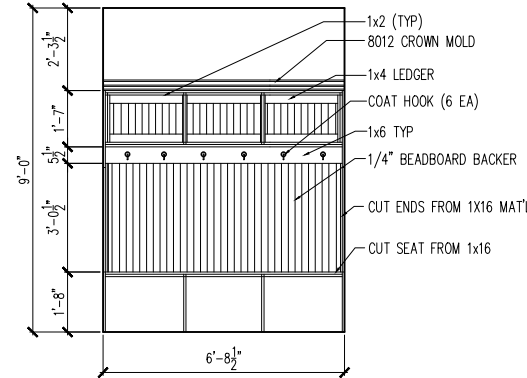
6 PRIMARY BATH



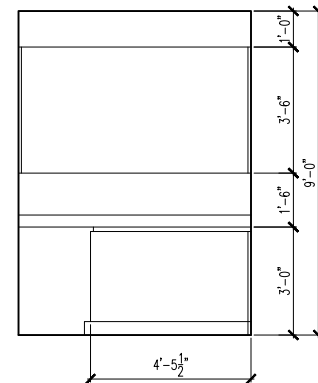
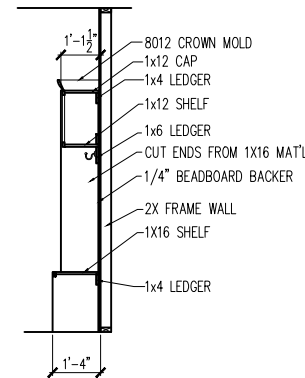
7 BATH 2



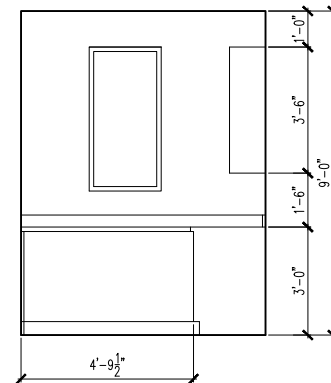
8 BATH 3



9 TYPICAL BENCH DETAIL (DROP ZONE)



10 PREP ZONE



11 PREP ZONE

ELECTRICAL FIXTURE SCHEDULE	
DESCRIPTION	SYMBOL
110V OUTLET	⌀
220V OUTLET	⌀ 220
1/2 HOT OUTLET	⌀
GFI OUTLET	⌀ GFI
WP GFI OUTLET	⌀ WP/GFI
GARAGE DOOR OPENER OUTLET	⌀ GDO
SECURITY SYSTEM	⌀ SEC SYS
DISHWASHER	⬤ DW
JUNCTION BOX	⌀
CEILING MOUNTED LIGHT	⌀
CEILING FAN w/ LIGHT KIT	⌀ PROVIDE BRACING
RECESSED CEILING LIGHT	⌀
RECESSED WATER PROOF LIGHT	⌀ WP
WALL MOUNTED LIGHT	⌀
WALL MOUNTED PUSH BUTTON	⌀ PB
TWO WAY SWITCH	⌀
THREE WAY SWITCH	⌀
FOUR WAY SWITCH	⌀
DIMMER SWITCH	⌀ DIM
EXHAUST VENTS	⌀ VENT TO EXT
LOW VOLTAGE PANEL	⌀
PHONE OUTLET	⌀ PH
TV OUTLET	⌀ TV
DATA & RG6 COMBO BOX	⌀
SMOKE DETECTOR	⌀
CARBON MONOXIDE SMOKE DETECTOR COMBO	⌀ CM/SD
DOOR CHIMES	CHIMES
ELECTRICAL PANEL	⌀ EP
SURFACE MOUNT LED	⌀
EXTERIOR WALL MOUNT UPLIGHT	⌀
SOFFIT MOUNT FLOOD LIGHT	⌀
UNDER COUNTER LIGHTING	⌀ UCL
SMURF TUBE	

ELECTRICAL NOTES:

1. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE AND CARBON MONOXIDE DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES

2. PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRIC CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.

3. ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED DIRECT HOOK-UPS/CUTOFFS.

4. HVAC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS.

5. ALL ELECTRICAL AND MECHANICAL EQUIPMENT (I.E. FURNACES, A/C UNITS, ELECTRICAL PANELS, SANITARY SUMP PITS, DRAIN TILE SUMP, AND WATER HEATERS) ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS.
- ELECTRICAL DEVICES:

ABOVE FINISHED FLOOR:

SWITCHES OVER COUNTER. 48". TO CL

WALL OUTLETS OVER COUNTER.

+42" TO BOTTOM OF HORIZONTAL OUTLET(TYP. @ COUNTER)

REMAINING SWITCHES. 48". TO CL

WALL OUTLETS. 12". TO CL . . .

BATH VANITY BRACKET OUTLET. 1.2

(1" ABOVE TOP OF VANITY)

WATER SOFTENER AND SUMP OUTLETS. . . . 48" TO CL

EXTERIOR GFI OUTLETS. 12". TO CL

GARAGE GFI (ABOVE GARAGE FLOOR). . . . 48" TO CL

FRONT DOOR COACH LIGHT. 80". TO CL

GARAGE DOOR COACH LIGHT. 84". TO CL

(ABOVE GARAGE FLOOR).

THERMOSTAT. 54". TO CL . . .

DOORBELL CHIMES. 84". TO CL

DOORBELL BUTTON. LEVEL W/ DR HANDLE

KITCHEN HOOD FAN "WHIP". 66". TO CL

KITCHEN WALL HUNG MICROWAVE OUTLET . . . 72" TO CL

KITCHEN DISHWASHER RECEPTACLE. . . . UNDER SINK

KITCHEN RANGE. 24". TO CL . . .

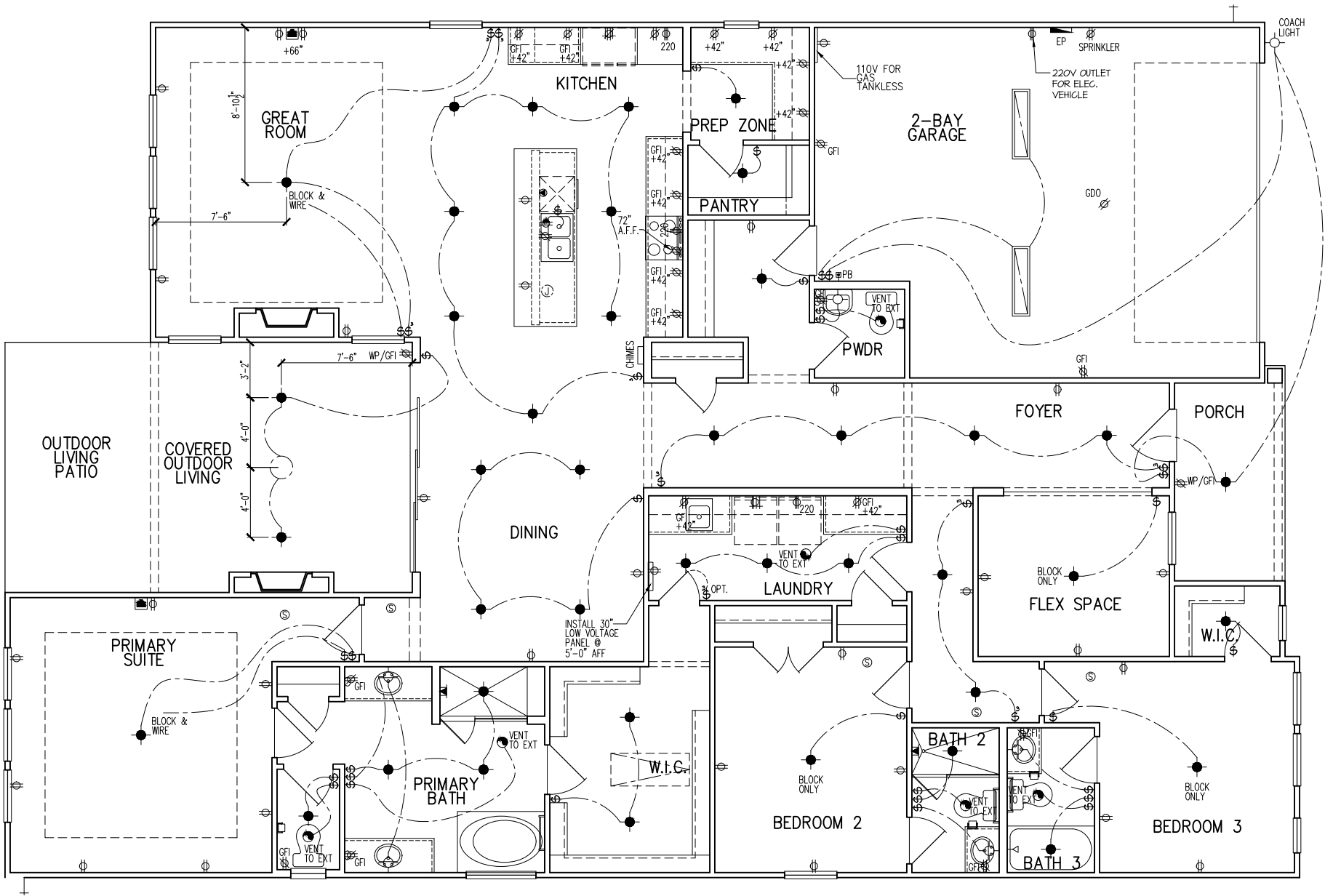
KITCHEN REFRIGERATOR. 48". TO CL

WASHER/DRYER OUTLET. 48". TO CL

CL = CENTER LINE

1 = FIELD VERIFY

2 = MASTER BATH STANDARD 30" HIGH VANITY TO BE RAISED 4"



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HOUSES

5440 WADE PARK BLVD, SUITE 400, RALEIGH, NC 27607

Business Operations

5440 Wade Park Blvd

Suite 400

Raleigh, NC 27607

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1st FLOOR ELECTRICAL PLAN

SUBDIVISION: ALTIS @ SERENITY

ADDRESS: 86 FIREFLY LANE

LOT: 342

Issue Date: 10-08-24

Drawn By: ACC

PLAN #:

5921-09

PLAN NAME:

POPLAR RIDGE

SHEET #:

E1.10B

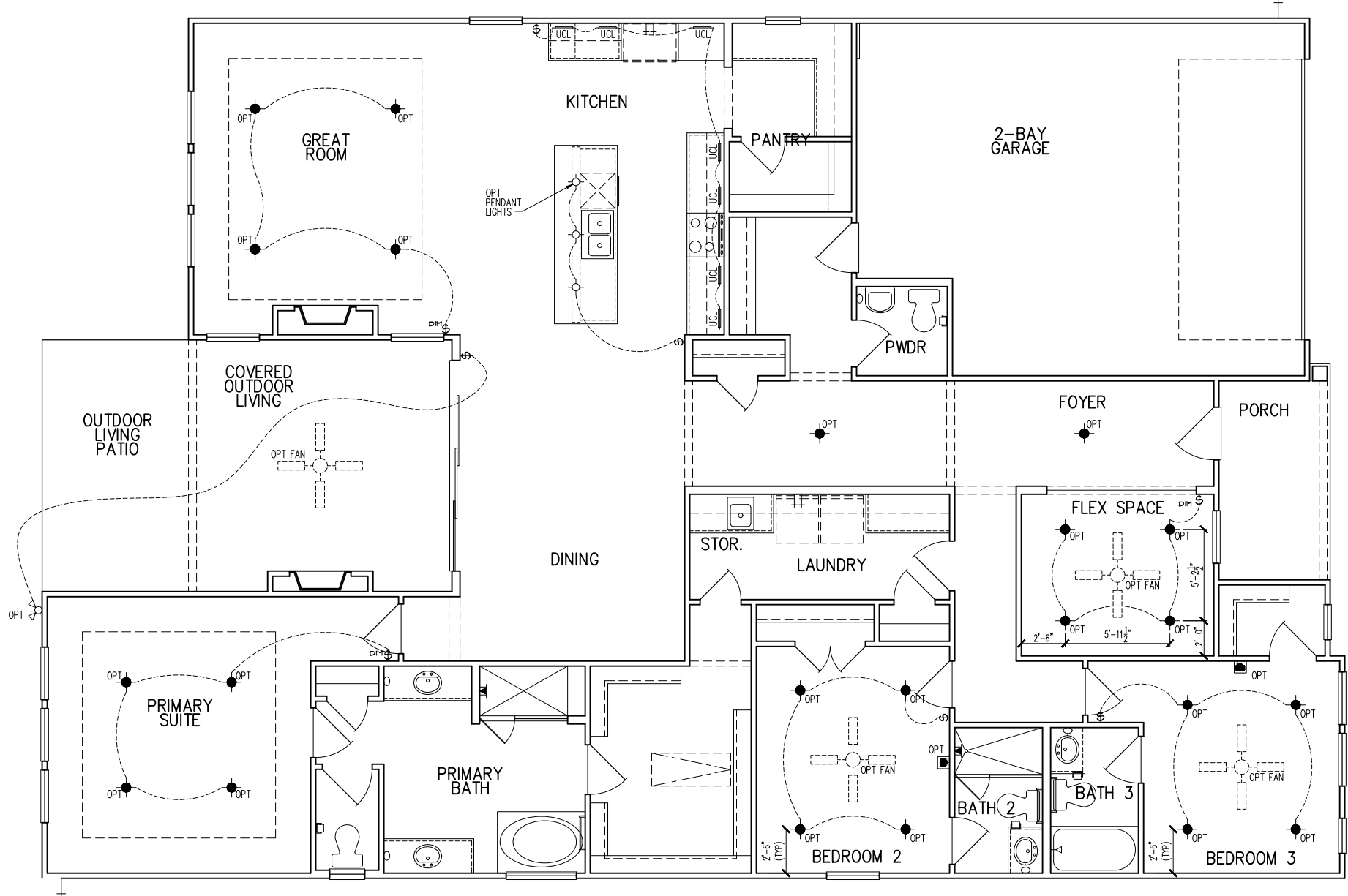
ELECTRICAL FIXTURE SCHEDULE	
DESCRIPTION	SYMBOL
110V OUTLET	⌀
220V OUTLET	⌀ 220
1/2 HOT OUTLET	⌀
GFI OUTLET	⌀ GFI
WP GFI OUTLET	⌀ WP/GFI
GARAGE DOOR OPENER OUTLET	⌀ GDO
SECURITY SYSTEM	⌀ SEC SYS
DISHWASHER	⌀ DW
JUNCTION BOX	⌀
CEILING MOUNTED LIGHT	⌀
CEILING FAN w/ LIGHT KIT	⌀ PROVIDE BRACING
RECESSED CEILING LIGHT	⌀
RECESSED WATER PROOF LIGHT	⌀ WP
WALL MOUNTED LIGHT	⌀
WALL MOUNTED PUSH BUTTON	⌀ PB
TWO WAY SWITCH	⌀
THREE WAY SWITCH	⌀
FOUR WAY SWITCH	⌀
DIMMER SWITCH	⌀ DIM
EXHAUST VENTS	⌀ VENT TO EXT
LOW VOLTAGE PANEL	⌀
PHONE OUTLET	⌀ PH
TV OUTLET	⌀ TV
DATA & RG6 COMBO BOX	⌀
SMOKE DETECTOR	⌀
CARBON MONOXIDE SMOKE DETECTOR COMBO	⌀ CM/SD
DOOR CHIMES	CHIMES
ELECTRICAL PANEL	⌀ EP
SURFACE MOUNT LED	⌀
EXTERIOR WALL MOUNT UP LIGHT	⌀
SOFFIT MOUNT FLOOD LIGHT	⌀
UNDER COUNTER LIGHTING	⌀ UCL
SMURF TUBE	⌀

ELECTRICAL NOTES:

1. PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE AND CARBON MONOXIDE DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES
2. PROVIDE AND INSTALL GROUND FAULT CIRCUIT-INTERRUPTERS (GFI) AS REQUIRED BY NATIONAL ELECTRIC CODE (NEC) AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES.
3. ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED DIRECT HOOK-UPS/CUTOFFS.
4. HVAC CONTRACTOR TO VERIFY THERMOSTAT LOCATIONS.
5. ALL ELECTRICAL AND MECHANICAL EQUIPMENT (I.E. FURNACES, A/C UNITS, ELECTRICAL PANELS, SANITARY SUMP PITS, DRAIN TILE SUMP, AND WATER HEATERS) ARE SUBJECT TO RELOCATION DUE TO FIELD CONDITIONS.

ELECTRICAL DEVICES: ABOVE FINISHED FLOOR:
SWITCHES OVER COUNTER 48" TO CL
WALL OUTLETS OVER COUNTER 42" TO BOTTOM OF HORIZONTAL OUTLET(TYP. ⌀ COUNTER)
REMAINING SWITCHES 48" TO CL
WALL OUTLETS 12" TO CL
BATH VANITY BRACKET OUTLET 1,2 (1" ABOVE TOP OF VANITY)
WATER SOFTENER AND SUMP OUTLETS 48" TO CL
EXTERIOR GFI OUTLETS 12" TO CL
GARAGE GFI (ABOVE GARAGE FLOOR) 48" TO CL
FRONT DOOR COACH LIGHT 80" TO CL
GARAGE DOOR COACH LIGHT, (ABOVE GARAGE FLOOR) 84" TO CL
THERMOSTAT 54" TO CL
DOORBELL CHIMES 84" TO CL
DOORBELL BUTTON LEVEL W/ DR. HANDLE
KITCHEN HOOD FAN "WHIP" 66" TO CL
KITCHEN WALL HUNG MICROWAVE OUTLET 72" TO CL
KITCHEN DISHWASHER RECEPTACLE UNDER SINK
KITCHEN RANGE 24" TO CL
KITCHEN REFRIGERATOR 48" TO CL
WASHER/DRYER OUTLET 48" TO CL

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H O M E S

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1st FLOOR ELEC. PLAN – OPITONS

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ADDRESS: 86 FIREFLY LANE

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SHEET #:

E1.11B

GENERAL STRUCTURAL NOTES
FLOOR FRAMING
• I-JOISTS/TRUSSES SHALL BE DESIGNED BY MANUF. TO MEET OR EXCEED L/480 LIVE LOAD DEFLECTION CRITERIA. (EXCLUDES STONE/MARBLE OR NET BED CONSTRUCTED FLOORS - CONTACT MKK FOR EXCLUDED FLOOR DESIGNS) • PER THE GUIDELINES OF THE TILE COUNCIL OF NORTH AMERICA (TCNA HANDBOOK), IT SHALL BE THE FLOOR FINISH INSTALLER'S RESPONSIBILITY TO VERIFY THAT THE FINISHES TO BE INSTALLED MATCH THE DESIGN CRITERIA NOTED ABOVE (UNDER "DESIGN LOADS"). • FLOOR SYSTEMS & SHEATHING HAVE BEEN DESIGNED TO SUPPORT ADDITIONAL DEAD LOAD FROM CERAMIC TILE (EXCLUDING MARBLE OR STONE). HOWEVER, IT SHALL BE THE FLOOR FINISH INSTALLER'S RESPONSIBILITY TO PROVIDE PROPER UNDERLAYMENT, UNCOUPLING MEMBRANE AND MORTAR/GROUT PER THE ASSEMBLY DESIGNATIONS IN THE TCNA HANDBOOK (TILE COUNCIL OF NORTH AMERICA). • AT I-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD. • METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O. • I-JOIST/TRUSS SHOP DWGS. SHALL BE SUBMITTED TO ARCH. & ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY. • FLOOR SHEATHING SHALL BE 23/32" A.P.A. RATED 'STURD-I-FLOOR' 24" O.C. EXPOSURE 1 (OR APPROVED EQUAL) WITH TONGUE AND GROOVE EDGES. FASTEN TO FRAMING MEMBERS W/ GLUE AND - 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD. - 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES @ 8" O.C. FIELD. - 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES @ 6" O.C. IN FIELD.
ROOF FRAMING
• ROOF SHEATHING SHALL BE 7/16" A.P.A. RATED SHEATHING 24/16 EXPOSURE 1 (OR APPROVED EQUAL). FASTEN TO FRAMING MEMBERS - W/ 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD. - W/ 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES @ 8" O.C. FIELD. - W/ 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES @ 6" O.C. FIELD. • WITHIN 48" OF ALL ROOF EDGES, RIDGES, & HIPS FASTEN ROOF SHEATHING FIELDS PER EDGE NAILING SPEC. • FASTEN EACH ROOF TRUSS TO TOP PLATE W/ SIMPSON H2.5T CLIP (OR APPROVED EQUAL) @ ALL BEARING POINTS. PROVIDE (2) H2.5T CLIPS AT 2-PLY GIRDER TRUSSES, (3) H2.5T CLIPS AT 3-PLY GIRDER TRUSSES & ROOF BEAMS - AT ALL BEARING POINTS. • METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O. • ROOF TRUSS SHOP DWGS. SHALL BE SUBMITTED TO ARCH. & ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY. • ERECT AND INSTALL ROOF TRUSSES PER ITCA & TP1'S BC51 I "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES." • SUPPORT SHORT SPAN ROOF TRUSSES W/2x4 LEDGER FASTENED TO FRAMING W/(2) 3" x 0.120" NAILS @ 16" O.C. (UP TO 1" SPAN).

MMK STD. - MAR 2016

CONNECTION SPECIFICATIONS (TYP. U.N.O.)

DESCRIPTION OF BLDG. ELEMENT	3"x0.131" NAILS	3"x0.120" NAILS
JOIST TO SOLE PLATE	(3) TOENAILS	(3) TOENAILS*
SOLE PL. TO JOIST/RIM OR BLK'G	NAILS @ 4" O.C.	NAILS @ 4" O.C.
STUD TO PLATE	(4) TOENAILS/ (3) END NAILS	(4) TOENAILS/ (4) END NAILS*
RIM TO TOP PLATE	TOENAILS @ 6" O.C.	TOENAILS @ 4" O.C.*
BLK'G, BTWN. JOISTS TO TOP PL.	(3) TOENAILS EA. END	(3) TOENAILS EA. END*
DOUBLE STUD	NAILS @ 16" O.C.	NAILS @ 16" O.C.
DOUBLE TOP PLATE	NAILS @ 12" O.C.	NAILS @ 8" O.C.
DOUBLE TOP PLATE LAP SPLICE	(12) NAILS IN LAPPED AREA (24" MIN.)	(15) NAILS IN LAPPED AREA (24" MIN.)
TOP PLATE LAP @ CORNERS & INTERSECTING WALLS	(3) NAILS	(3) NAILS
RAFTER/TRUSS TO TOP PLATE	(4) TOENAILS + (1) SIMPSON H2.5T TOENAILS @ 8" O.C.	(4) TOENAILS + (1) SIMPSON H2.5T TOENAILS @ 6" O.C.
GAB. END TRUSS TO DBL. TOP PL.	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 6" O.C.	2x10 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 4" O.C.
R.T. w/ HEEL HT. 9 1/4" TO 12"	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 6" O.C.	2x12 BLK EVERY 3RD BAY FASTENED TO DBL. TOP PLATE W/ TOENAILS @ 4" O.C.
R.T. w/ HEEL HT. 12" TO 16"	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C.	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C.*
R.T. w/ HEEL HT. UP TO 24"	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL.*
R.T. w/ HEEL HT. 24" TO 48"	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL	LAP WALL SHTG. w/ DBL. TOP PL. & INSTALL ON TRUSS VERT. - FASTEN W/ NAILS @ 6" O.C. PROVIDE 2x BLK @ EA. BAY AT TOP OF HEEL.*
WALL TO FOUNDATION	WALL SHTG. LAP W/ SILL PL. & FASTENED PER SHEAR WALL FASTENING SPEC.	

* 2 1/2"x0.113 IS AN ACCEPTABLE ALTERNATIVE TO A 3"x0.120", SAME SPACING OR NUMBER OF NAILS. (ONLY ACCEPTABLE WHERE * ARE SHOWN)

GENERAL STRUCTURAL NOTES
DESIGN LOADING
• DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE. • WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION. • DESIGN LOADS: - ROOF - SNOW = 15 PSF (12 PSF GROUND SNOW, TRUSSES) - LIVE = 20 PSF (REDUCIBLE BASED ON ROOF PITCH) - DEAD = 1 PSF T.C., 10 PSF B.C. - LOAD DURATION FACTOR = 1.25 - FLOOR - LIVE = 40 PSF (30 PSF @ SLEEPING AREAS) - DEAD = 10 PSF (1-JOISTS), 15 PSF (FLOOR TRUSSES) - ADDL 10 PSF @ CERAMIC TILE IN KITCHEN, SUNROOMS, BATHS, FOYER, LAUND. & MUDRM'S - SOIL 2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER) - WIND 115 MPH, EXPOSURE B

GENERAL FRAMING

- ALL TYP. NAIL FASTENER REQUIREMENTS ARE NOTED IN STANDARD CONNECTIONS TABLE (IRC TABLE R602.3(1)) OR ON PLANS. ALL NAILS SPECIFIED ARE MIN DIAMETER AND LENGTH REQUIRED FOR CONNECTION. ALL HANGER NAILS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS FOR MAX CHARTED CAPACITY. NOTE: HANGERS USE COMMON NAIL DIAMETERS NOT TYPICAL FRAMING GUN NAILS.
- EXT. & INT. BEARING WALLS SHALL BE 2x4 OR 2x6 (AS SHOWN ON PLANS) @ 16" O.C. SPP/SP #2 GRADE LUMBER, OR BETTER, U.N.O..
 - WALLS OVER 12' TALL SHALL BE PER PLAN.
- ALL INTERIOR BEARING WALLS ARE ASSUMED TO BE SHEATHED W/ GYP WALL BOARD (ONE SIDE MIN.) OR PROVIDE MID HT. BLOCKING.
- ALL HEADERS, BEAMS & OTHER STRUCTURAL MEMBERS SHALL BE SPRUCE-PINE-FIR #2 (SPF) OR SOUTHERN PINE #2 (SP) LUMBER, OR BETTER. SUPPORT ALL HEADERS/ BEAMS W/ (1)2x JACK STUD & (1)2x KING STUD, MINIMUM.
 - THE NUMBER OF STUDS SPECIFIED AT A SUPPORT INDICATES THE NUMBER OF JACK STUDS REQUIRED, U.N.O..
- ALL NON-BEARING INTERIOR STUD WALLS SHALL BE CONSTRUCTED WITH 2x STUD/ GRADE MEMBERS SPACED @ 24" O.C. (MAX., U.N.O.)
 - HEADERS IN NON-LOAD BEARING WALLS SHALL BE: (1)2x4/6 FLAT @ OPENINGS UP TO 4'; (2)2x4/6 FLAT UP TO 8'.
- ALL FRAMING LUMBER SHALL BE DRIED TO 15% MC (KD-15).
- ENGINEERED LUMBER BEAMS TO MEET OR EXCEED THE FOLLOWING:
 - 'LVL' - Fb=2600 psi; Fv=285 psi; E=2.0x10⁶ psi
- ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:
 - 'LVL' - Fb=2400 psi; FcII=2500 psi; E=1.8x10⁶ psi
- FOR 2 & 3 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 3"x0.120" NAILS @ 8" O/C OR 2 ROWS 1/2"x3/8" SIMPSON SDS SCREWS (OR 3/4" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES FOR 3-PLY CONDITION. LOCATE TOP & BOTTOM NAILS/SCREWS 2" FROM EDGE. SOLID 3 1/2" OR 5 1/4" BEAMS ARE ACCEPTABLE. USE 2 ROWS OF NAILS FOR 2x6 & 2x8 MEMBERS.
- FOR 4 PLY BEAMS OF EQUAL 1 3/4" MAX. WIDTH, FASTEN PLIES TOGETHER WITH 3 ROWS OF 1/2"x6" SIMPSON SDS SCREWS (OR 6 3/4" TRUSSLOK SCREWS) @ 16" O/C. USE A MINIMUM OF 4 ROWS FOR BEAM DEPTHS OF 14" OR GREATER. APPLY FASTENING AT BOTH FACES (ONE SIDE ONLY FOR TRUSSLOK SCREWS). LOCATE TOP AND BOTTOM SCREWS 2" FROM EDGE. A SOLID 1" BEAM IS ACCEPTABLE.
- PROVIDE SOLID BLOCKING IN FLOOR SYSTEM UNDER ALL POSTS CONTINUOUS TO FND/BEARINGS. BLOCKING TO MATCH POST ABOVE.
- ALL EXTERIOR 4x4 WOOD POSTS SHALL HAVE SIMPSON BC52-2/4 CAP & ABW44 BASE, U.N.O.
- CORROSION NOTES:
 - BUILDER RESPONSIBLE TO DETERMINE CORROSION-RESISTANCE REQUIREMENTS AND COMPATIBILITY OF HARDWARE, FASTENERS AND CONNECTORS FOR ENVIRONMENTAL EXPOSURE AND IN CONTACT W/ PRESERVATIVE-TREATED WOOD OF ACTUAL FINAL CONDITIONS AND SOURCED MATERIALS. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.

GENERAL STRUCTURAL NOTES

FOUNDATION

- DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.
- FOOTING DESIGN - 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE IS ASSUMED. BUILDER/CONTRACTOR MUST VERIFY.
- FASTEN 2x4/6 SILL PLATES TO CONC FND WITH A MINIMUM OF 2 ANCHORS PER PLATE, 12" MAX. FROM PLATE ENDS - UTILIZING:
 - 1/2" DIA. ANCHOR BOLTS @ 6'-0" O.C." MIN. EMBEDMENT
 - 1/2" DIA. x 6" LONG SIMPSON TITEN HD @ 6'-0" O.C.
 - SIMPSON MASA ANCHOR STRAPS @ 6'-0" O.C. (CONCRETE)
- ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT W/ PERIMETER FOUNDATION SHALL BE PRESERVATIVE TREATED SOUTHERN PINE #2.
- BUILDER TO VERIFY CORROSION-RESISTANCE COMPATIBILITY OF HARDWARE & FASTENERS IN CONTACT W/ PRESERVATIVE-TREATED WOOD. CONTACT LUMBER & HARDWARE SUPPLIERS TO COORD.
- FOOTINGS SHALL BE PLAIN CONCRETE, U.N.O.
- CONCRETE DESIGN BASED ON ACI 318. CONCRETE SHALL ATTAIN THE FOLLOWING MIN. COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
 - Fc = 3,000 psi: FOOTINGS & INTERIOR SLABS ON GRADE 3,500 psi: GARAGE & EXTERIOR SLABS ON GRADE fy = 60,000 psi

- ALL CONCRETE EXPOSED TO THE WEATHER SHALL NOT HAVE LESS THAN 5% OR MORE THAN 1% AIR ENTRAINMENT.
- ALL FOOTINGS SHALL BEAR BELOW FROST LINE (TYP.) OR 12" MIN IN REGIONS WHERE CODE FROST DEPTH IS NOT APPLICABLE. CONSULT SOILS REPORT OR BUILDING DEPT. FOR MINIMUM DEPTH BELOW GRADE.
- FOOTINGS AND SLABS ON GRADE SHALL BEAR ON VIRGIN SOIL OR 95% COMPACTED FILL.
- PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
 - JOINTS SHALL BE LOCATED @ 10'-0" O.C. (RECOMMENDED) OR 15'-0" O.C. (MAXIMUM)
 - JOINT GRID PATTERN SHALL BE AS CLOSE TO SQUARES AS POSSIBLE (1:1 RATIO), WITH A MAXIMUM OF 1:1.5 RATIO
 - CONTROL JOINTS SHALL NOT BE INSTALLED IN STRUCTURAL SLABS
- DIMENSIONS BY OTHERS, BUILDER TO VERIFY.

MMK STD. - MAY 2002

MEANS & METHODS NOTES

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS FINISHED AND ALL PLAN, DETAIL, AND NOTE SPECIFICATIONS HAVE BEEN COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

STRUCTURAL DESIGN AND SPECIFICATIONS ASSUME THAT ALL SUPPORTING AND NON-SUPPORTING ELEMENTS IN CONTACT WITH FLOOR FRAMING ARE LEVEL, INCLUDING, BUT NOT LIMITED TO: FOUNDATIONS, SLABS ON GRADE, BEAMS, WALLS, AND NON-BEARING ELEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LEVELNESS AND MAKE ADJUSTMENTS AS NECESSARY, INCLUDING CONSIDERATION OF THOSE AREAS THAT MAY BE WITHIN CONTRACTUAL, INDUSTRY, OR WARRANTY TOLERANCES.

VENEER LINTEL SCHEDULE

SPAN (MAX)	HEIGHT OF VENEER ABOVE LINTEL	STEEL ANGLE SIZE
3'-0"	20 FT. MAX	L3"x3"x1/4"
6'-0"	3 FT. MAX	L3"x3"x1/4"
	12 FT. MAX	L4"x3"x1/4"
8'-0"	20 FT. MAX	L5"x3 1/2"x3/8"
	12 FT. MAX	L4"x4"x1/4" **
16'-0"	12 FT. MAX	L5"x3 1/2"x3/8"
	16 FT. MAX	L6"x3 1/2"x3/8"
9'-6"	12 FT. MAX	L6"x3 1/2"x3/8"
16'-0"	2 FT. MAX	L7"x4"x1/2" **
	3 FT. MAX	L8"x4"x1/2" **

ALL LINTELS:
- SHALL SUPPORT 2 3/8" - 3 1/2" VENEER w/ 40 psf MAXIMUM HEIGHT.
- 1/8" SHALL HAVE 4" MIN BEARING
- 1/2" SHALL HAVE 8" MIN BEARING
- 1/2" SHALL NOT BE FASTENED BACK TO HEADER
- 1/2" SHALL BE FASTENED BACK TO WOOD HEADER IN WALL @ 48" O.C. W/ 1/2" DIA. x 3 1/2" LONG LAG SCREWS IN 2" LONG VERTICALLY SLOTTED HOLES.
- MAX. VENEER HT. APPLIES TO ANY PORTION OF BRICK OVER THE OPENING.
- ALL LINTELS SHALL BE LONG LESS VERTICAL
- WHEN SUPPORTING VENEER < 3" WIDE THE EXTERIOR TOE OF THE HORIZONTAL LEG MAY BE CUT IN THE FIELD TO BE 3 1/2" WIDE OVER THE BEARING LENGTH ONLY. THIS IS TO ALLOW FOR MORTAR JOINT FINISHING.
- SEE STRUCTURAL PLANS FOR ANY LINTEL CONDITION NOT ENCOMPASSED BY THE ABOVE PARAMETERS.
** FOR GREEN VENEER USE 1/4"x3/4".
** FOR 3/2" VENEER ONLY, SEE PLAN FOR VENEER SUPPORT IF VENEER < 3/2" THICK.

MMK STD. - MAY 2016

ADDITIONAL NOTES FOR TRUSS & I-JOIST MANUFACTURER

ROOF TRUSS, FLOOR TRUSS AND ENGINEERED JOISTS SHALL BE DESIGNED TO MEET THE DEFLECTION CRITERIA BELOW, UNLESS NOTED OTHERWISE ON PLAN. MULHERN & KULP CANNOT BE HELD RESPONSIBLE FOR ANY STRUCTURAL ISSUES RELATED TO ANY BUILDING COMPONENT IF COMPONENT SHOP DRAWINGS ARE NOT SUBMITTED TO MKK FOR REVIEW PRIOR TO FABRICATION, DELIVERY, OR INSTALLATION.

TRUSSES/JOISTS SHALL BE DESIGNED SO THAT DIFFERENTIAL DEFLECTION BETWEEN ADJACENT PARALLEL TRUSSES/JOISTS OR GIRDER TRUSSES/FLUSH BEAMS DO NOT EXCEED THE FOLLOWING:
A. ROOF TRUSSES:
1/4" DEAD LOAD
B. FLOOR TRUSSES, ATTIC TRUSSES, & I-JOISTS:
1/8" DEAD LOAD
ABSOLUTE DEAD LOAD DEFLECTION OF FLOOR TRUSSES/ATTIC TRUSSES WHEN ADJACENT TO FLOOR FRAMING BY OTHERS SHALL BE LIMITED TO 3/16". (NOT DIFFERENTIAL DEFLECTION)

FLOOR JOIST NOTES

- ALL FLOOR JOISTS SHALL BE THE DEPTH SPECIFIED ON PLAN
- FLOOR JOISTS SERIES & SPACING IS PER THE FLOOR JOIST MANUF.
 - SPACING SHALL NOT EXCEED 19.2" O.C. (MAX.)
 - @ LOCATION OF TILE: SPACING SHALL NOT EXCEED 16" O.C. (MAX.)

LATERAL/WALL BRACING & WALL SHEATHING SPECIFICATIONS

THIS MODEL HAS BEEN DESIGNED TO RESIST LATERAL FORCES RESULTING FROM:
115 MPH WIND IN 2018 NCSEBG:RC
(115 MPH WIND SPEED IN ASCE 7-10 WIND MAP, PER IRC R301.2.1.1) EXP. B, RISK CAT. 2 & SEISMIC CAT. A/B.

THE DESIGN WAS COMPLETED PER 2015 IBC (SECTION 1609) & ASCE 7-10, AS PERMITTED BY R301.1.3 OF THE 2018 NCSEBG:RC. ACCORDINGLY, THIS MODEL, AS DOCUMENTED AND DETAILED HEREIN, IS ADEQUATE TO RESIST THE CODE REQUIRED LATERAL FORCES.

DESIGN WIND UPLIFT LOADS HAVE BEEN CALCULATED UTILIZING ASCE 7-10 (ACCEPTED ENGINEERING PRACTICE) AS ALLOWED PER 2018 NCSEBG:RC SECTION R802.11.1.1. THIS MODEL HAS BEEN DETAILED WHERE REQUIRED & ENGINEERED TO RESIST THE WIND UPLIFT LOAD PATH PER SECTIONS R602.3.5 & R802.11.

EXT. WALL SHEATHING SPECIFICATION

- 7/16" OSB OR 15/32" PLYWOOD:
 - FASTEN SHEATHING W/ 2 3/8"x0.113 NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE PANEL FIELD. (TYP, U.N.O.)
- ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEL TO STUDS) AND INSTALLED FULL HEIGHT OF SHEAR WALL - OR - 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT ALL UNSUPPORTED PANEL EDGES & EDGE FASTENING.
- ALL EXT. WALLS SHALL BE CONTINUOUSLY SHEATHED AND ARE CONSIDERED SHEAR WALLS.
- ALT. STAPLE CONNECTION SPEC: 1 3/4" 16 GA STAPLES (1/6" CROWN) @ 3" O.C. AT EDGES & @ 6" O.C. IN FIELD.

3" O.C. EDGE NAILING

- AT DESIGNATED AREAS - FASTEN PANEL EDGES OF WOOD STRUCTURAL WALL SHEATHING TO FRAMING W/ 2 3/8" x 0.113" NAILS @ 3" O.C. AND 12" O.C. IN THE PANEL FIELD NO STAPLE ALTERNATIVE AVAILABLE AT THIS SPEC. ALL SHEATHING PANELS SHALL BE ORIENTED VERTICALLY (LONG DIRECTION PARALLEL TO STUD) AND INSTALLED FULL HEIGHT OF SHEAR WALL - OR - 2x HORIZONTAL BLOCKING SHALL BE PROVIDED TO SUPPORT UNSUPPORTED PANEL EDGES AND 3" O.C. EDGE FASTENING.

TYP. UNIT SEPARATION WALL SHEATHING SPECIFICATION

- 1/2" OR 5/8" GYPSUM WALL BOARD:
 - FASTEN GWB SHEATHING TO FRAMING W/ 1 5/8"x0.086" COOLER NAILS OR 1 1/4" DRYWALL SCREWS @ 1" O.C. TO PANEL EDGES & PANEL FIELD (INCLUDING T&B PLATES).

NOTES

- SEE CONNECTION SPECIFICATIONS CHART FOR STANDARD SHEAR TRANSFER DETAILING. IF ADDITIONAL CAPACITY IS REQUIRED BY DESIGN, IT WILL BE SPECIFICALLY NOTED ON PLAN.
- DESIGN ASSUMES 16" O.C. MAX. STUD SPACING, U.N.O.
- ALL STRUCTURAL PANELS ARE TO BE DIRECTLY APPLIED TO STUD FRAMING.
- PRE-MANUFACTURED PANELIZED WALLS:
 - FASTEN TOGETHER END STUDS OF WALL PANELS SHEATHED W/ OSB OR PLYWOOD W/ 3" x 0.120" NAILS @ 4" O.C. (THRU ONE SIDE ONLY)

--- INDICATES EXTENT OF INT. OSB SHEARWALL, BLOCKED PANEL EDGES, AND/OR 3" O.C. EDGE NAILING
▶ INDICATES HOLDOWN

MMK STD. - MAR 2016



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Mulhern+Kulp project number:

243-24035

project mgr: SMK
drawn by: KMV
issue date: 08-16-2024

REVISIONS:

date: 11-08-2024 initial: SMK
updated model name, opt, ext, covd, porch JPP
06-05-2025
updated arch

tri pointe
HOMES

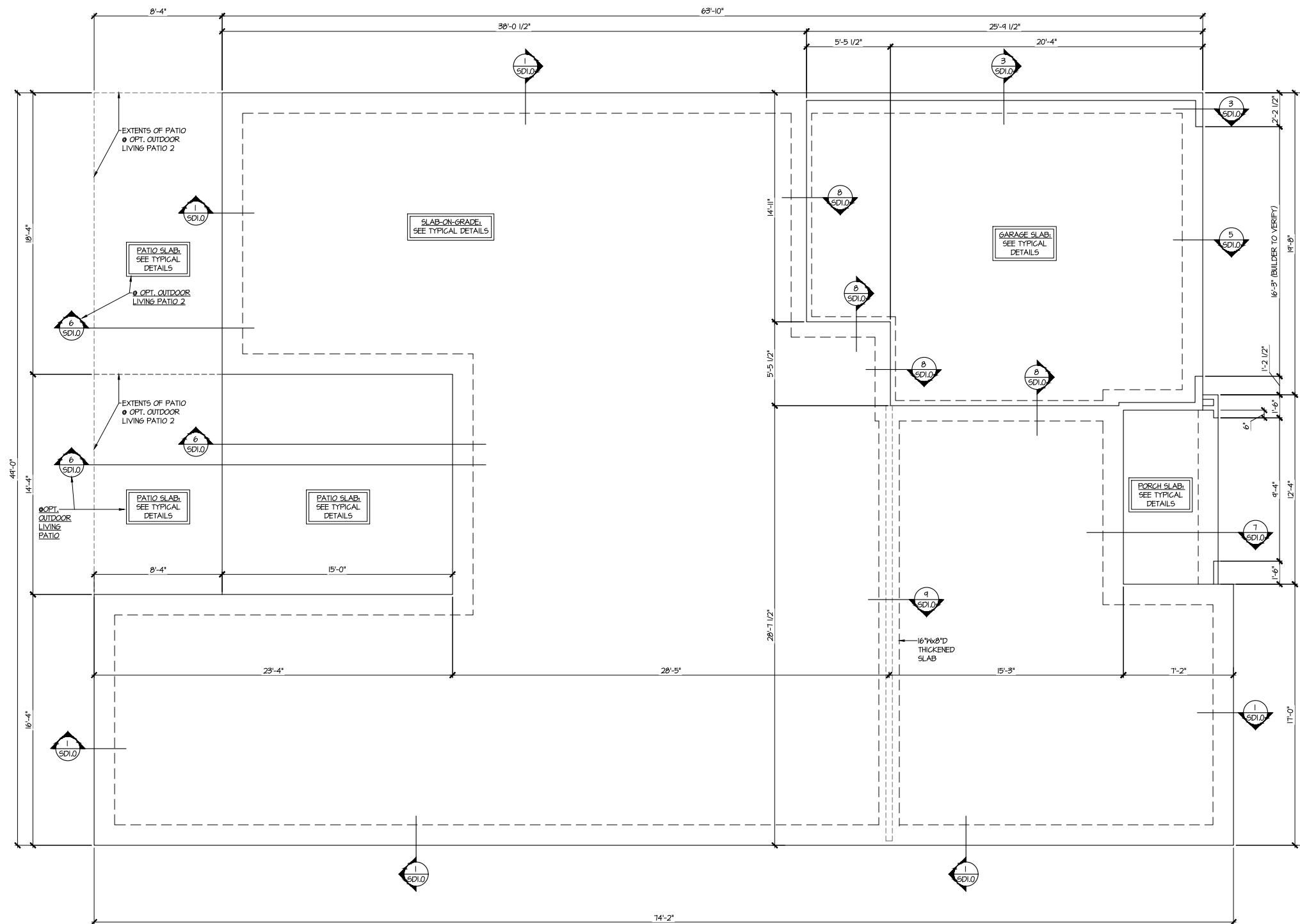
GENERAL NOTES

5921-09 MODEL

SERENITY
MASTER SET
RALEIGH, NC

sheet:

S0.0



SLAB FOUNDATION PLAN
SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)
ELEV. A
OPT. OUTDOOR LIVING
PATIO 1 & 2 SIM.

LEGEND

- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM / HEADER
- INDICATES EXTENT OF INT. OSB SHEARWALL AND/OR 3" O.C. EDGE NAILING
- EXTENT OF VALLEY TRUSS OVERFRAMING @ 24" O.C. (MAX.)
- EXTENT OF FLOOR SYSTEM TO BE DESIGNED FOR TILE
- INDICATES HOLDOWN
- METAL HANGER
- INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

**REFER TO S.O. FOR
TYPICAL STRUCTURAL NOTES
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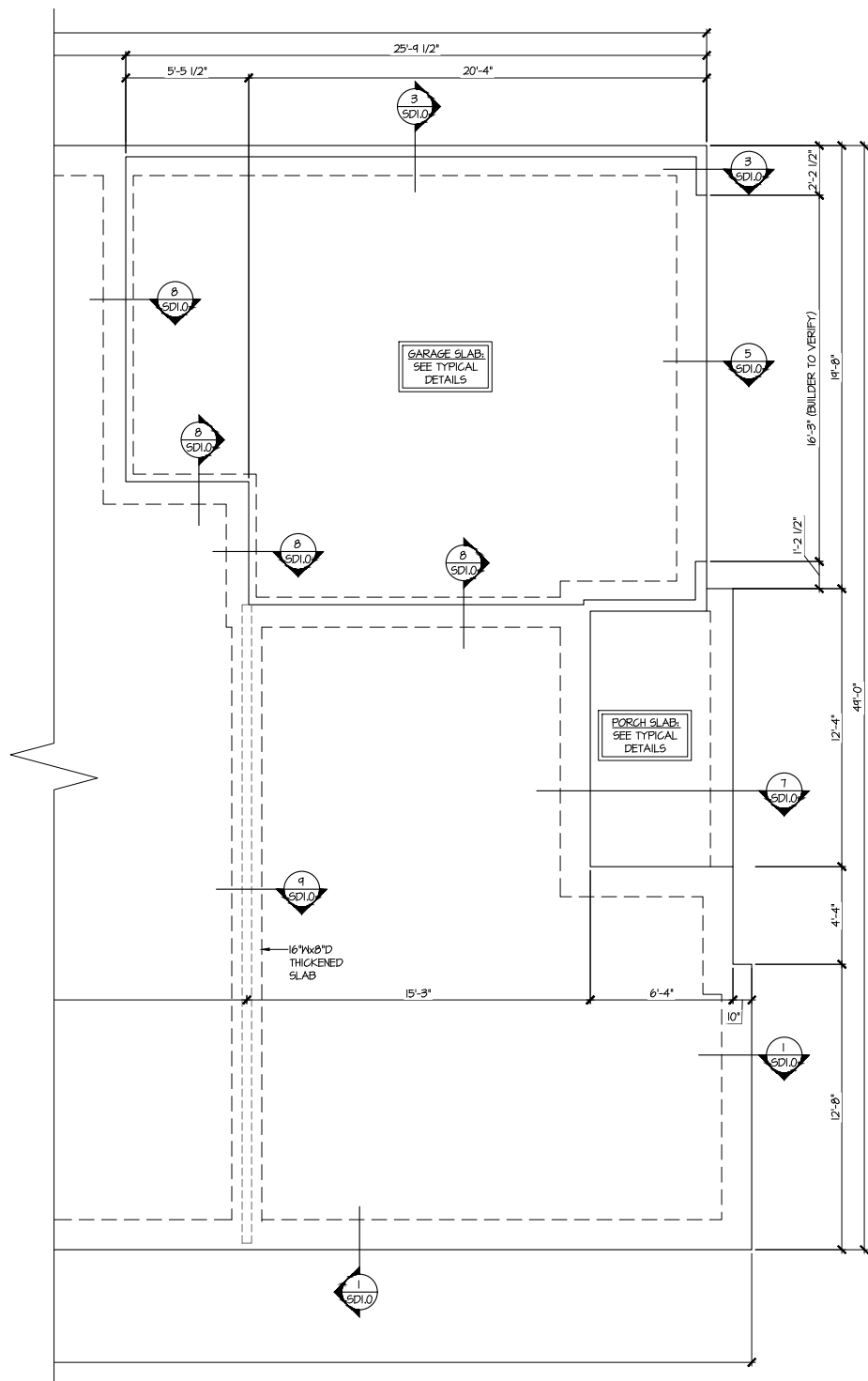
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11-08-2024	SMK
06-05-2025	JPP

FOUNDATION PLAN

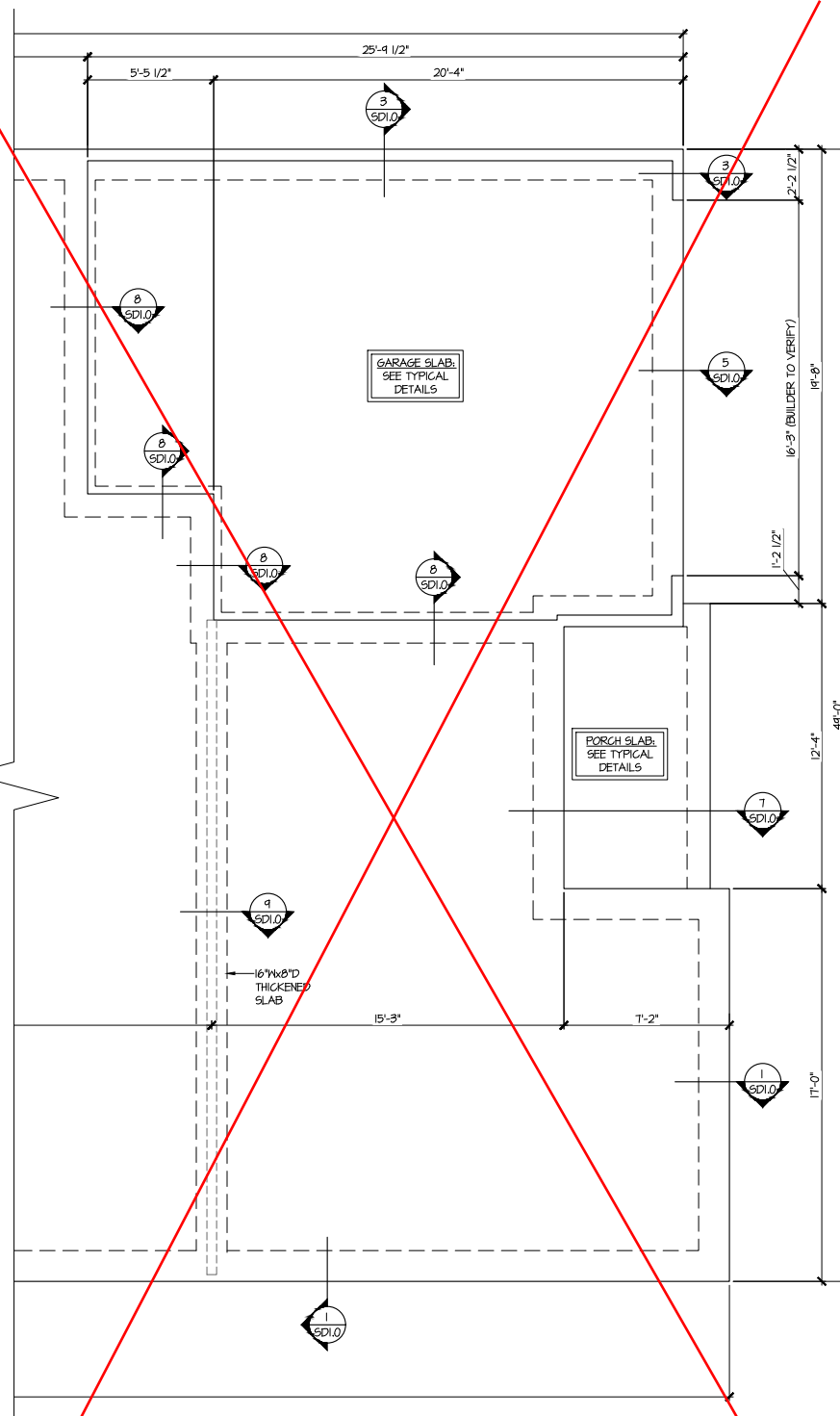
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SERENITY
MASTER SET
RALEIGH, NC

sheet:
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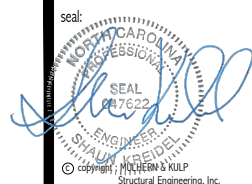
1 PARTIAL SLAB FOUNDATION PLAN
SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)
ELEV. B
SEE ELEV. A FOR MORE INFO
OPT. OUTDOOR LIVING
PATIO 1 & 2 SIM.



2 PARTIAL SLAB FOUNDATION PLAN
SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)
ELEV. C
SEE ELEV. A FOR MORE INFO
OPT. OUTDOOR LIVING
PATIO 1 & 2 SIM.

REFER TO S.O. FOR
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& SCHEDULES

LEGEND	
•	INTERIOR BEARING WALL
•	BEARING WALL ABOVE (B.W.A.)
•	BEAM / HEADER
•	INDICATES EXTENT OF INT. OSB SHEARWALL AND/OR 3" O.C. EDGE NAILING
•	EXTENT OF VALLEY TRUSS OVERFRAMING @ 24" O.C. (MAX.)
•	EXTENT OF FLOOR SYSTEM TO BE DESIGNED FOR TILE
▶	INDICATES HOLDDOWN
HL	METAL HANGER
*	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



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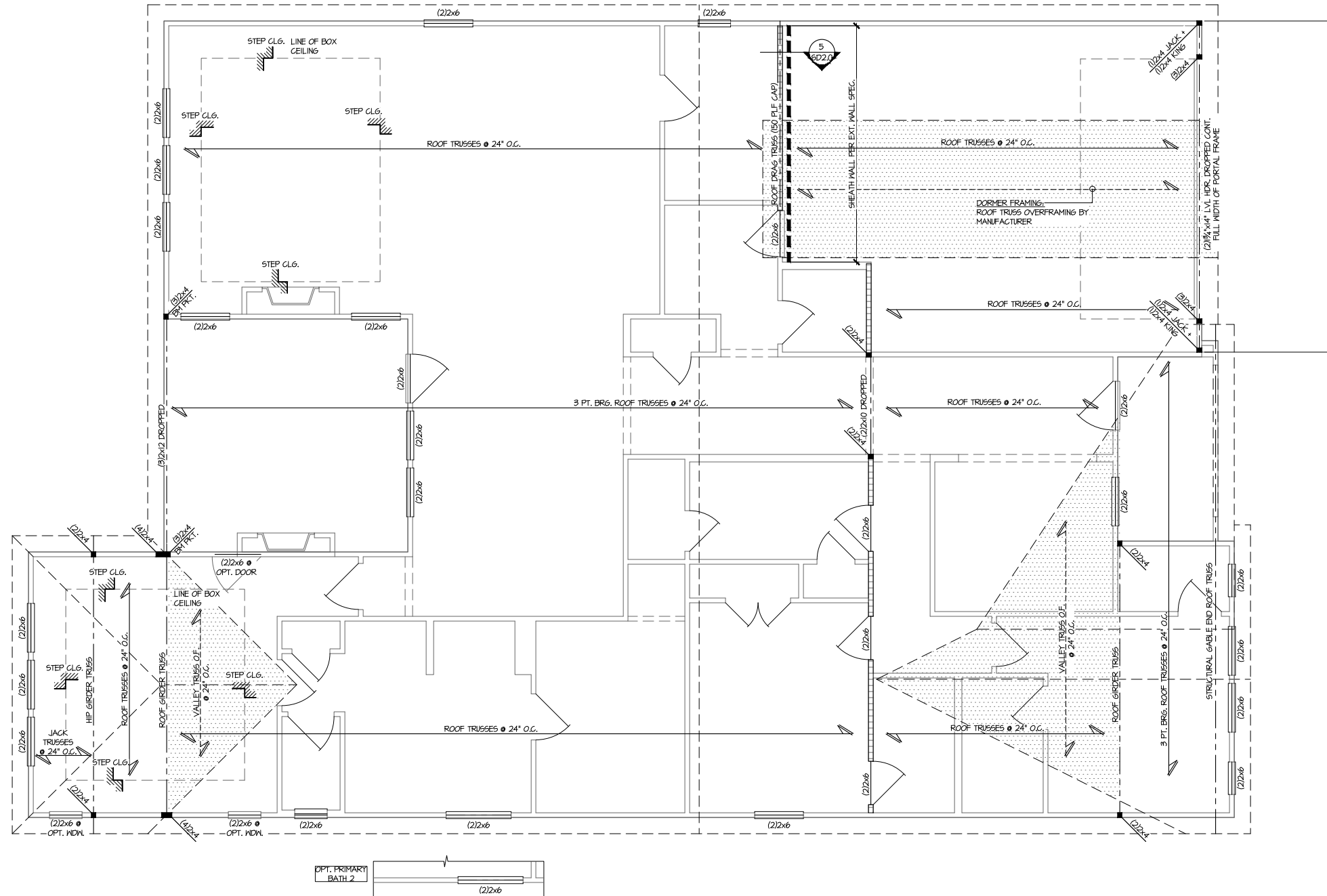
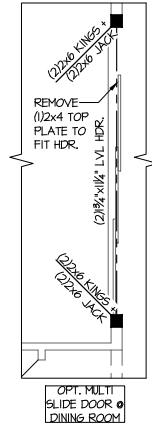
REVISIONS:
date: 11-08-2024 initial: SMM
updated model name, opt, ext, cov'd, porch
06-05-2025 JPP
updated arch

tri pointe
HOMES

FOUNDATION PLAN
5921-09 MODEL
SERENITY
MASTER SET
RALEIGH, NC

sheet:

S1.1



ROOF FRAMING PLAN
SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)
ELEV. A
OPT. OUTDOOR LIVING
PATIO 1 & 2 SIM.

THIS LEVEL HAS BEEN DESIGNED FOR 9'-1" PLATE HEIGHT

LEGEND	
•	INTERIOR BEARING WALL
•	BEARING WALL ABOVE (B.W.A.)
•	BEAM / HEADER
•	INDICATES EXTENT OF INT. OSB SHEARWALL AND/OR 3" O.C. EDGE NAILING
•	EXTENT OF VALLEY TRUSS OVERFRAMING @ 24" O.C. (MAX.)
•	EXTENT OF FLOOR SYSTEM TO BE DESIGNED FOR TILE
▶	INDICATES HOLDDOWN
⊥	METAL HANGER
*	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

REFER TO S.O. FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

seal:

REGISTERED PROFESSIONAL ENGINEER
SEAL 017622
STALIN KREIDEL
CORPORATE: MULHERN & KULP
Structural Engineering, Inc.

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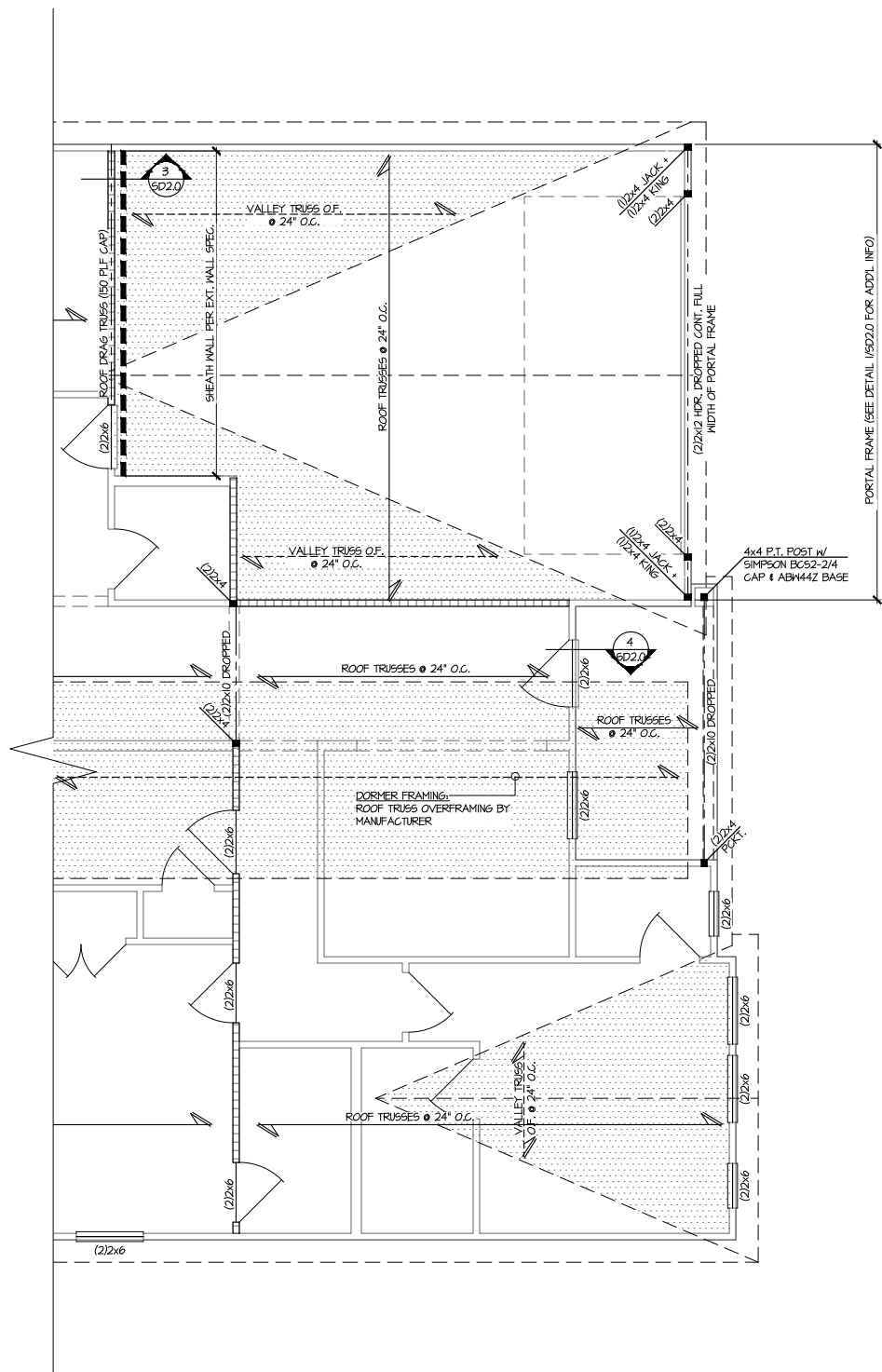
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06-05-2025	JPP

tri pointe
HOMES

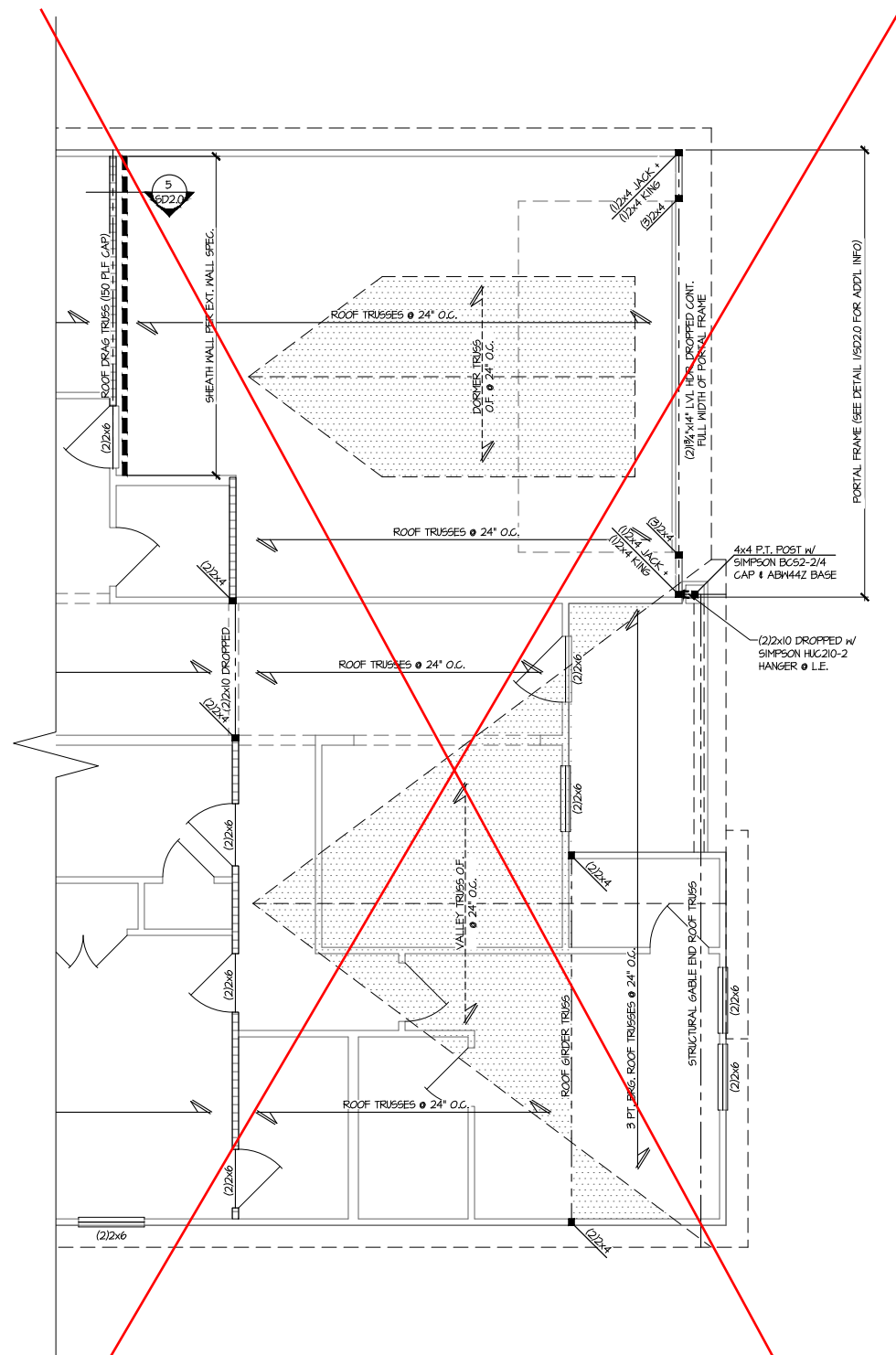
ROOF FRAMING PLAN

5921-09 MODEL
SERENITY
MASTER SET
RALEIGH, NC

sheet:
S2.0



1 PARTIAL ROOF FRAMING PLAN
 SCALE: 1/4"=1'-0" (22x24 SHEET)
 1/8"=1'-0" (11x17 SHEET)
 ELEV. B
 SEE ELEV. A FOR MORE INFO



2 PARTIAL ROOF FRAMING PLAN
 SCALE: 1/4"=1'-0" (22x24 SHEET)
 1/8"=1'-0" (11x17 SHEET)
 ELEV. C
 SEE ELEV. A FOR MORE INFO
 OPT. OUTDOOR LIVING
 PATIO 1 & 2 SIM.

THIS LEVEL HAS BEEN DESIGNED
 FOR 9'-1" PLATE HEIGHT

REFER TO S.O. FOR
 TYPICAL STRUCTURAL NOTES
 & SCHEDULES

LEGEND	
	INTERIOR BEARING WALL
	BEARING WALL ABOVE (B.W.A.)
	BEAM / HEADER
	INDICATES EXTENT OF INT. OSB SHEARWALL AND/OR 3" O.C. EDGE NAILING
	EXTENT OF VALLEY TRUSS OVERFRAMING 24" O.C. (MAX.)
	EXTENT OF FLOOR SYSTEM TO BE DESIGNED FOR TILE
	INDICATES HOLDDOWN
	METAL HANGER
	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

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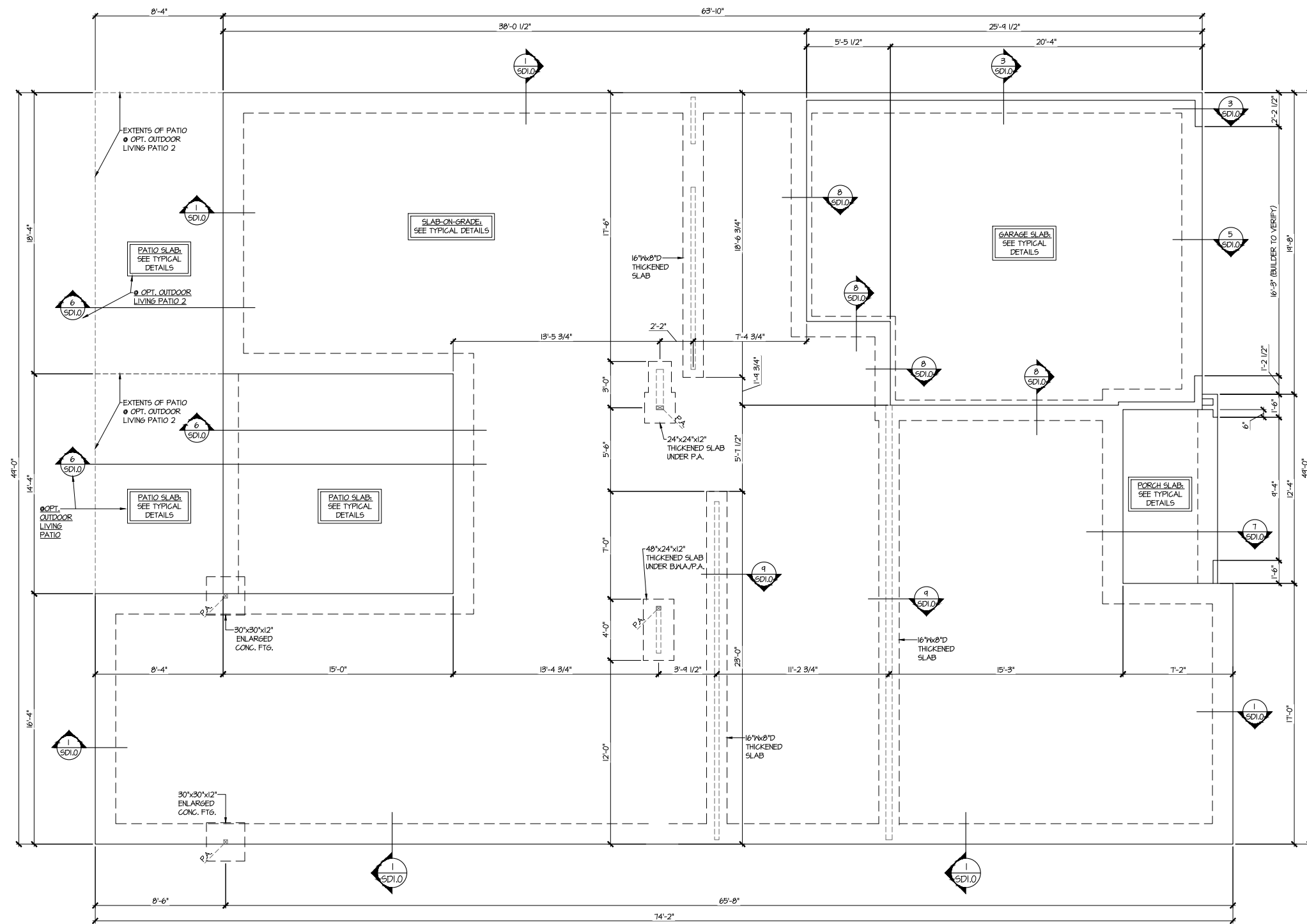
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06-05-2025	JPP
UPDATED MODEL NAME, OPT. EXT. COVD. PORCH	
UPDATED ARCH	

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ROOF FRAMING PLAN

5921-09 MODEL
 SERENITY
 MASTER SET
 RALEIGH, NC

sheet:
S2.1



OPT. 2ND FLOOR
SLAB FOUNDATION PLAN

SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)

ELEV. A
OPT. OUTDOOR LIVING
PATIO 1 & 2 SIM.

LEGEND

- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM / HEADER
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06-05-2025 JPP
updated arch

tri pointe
HOMES

STRUCTURAL OPTIONS

5921-09 MODEL
SERENITY
MASTER SET
RALEIGH, NC

sheet:

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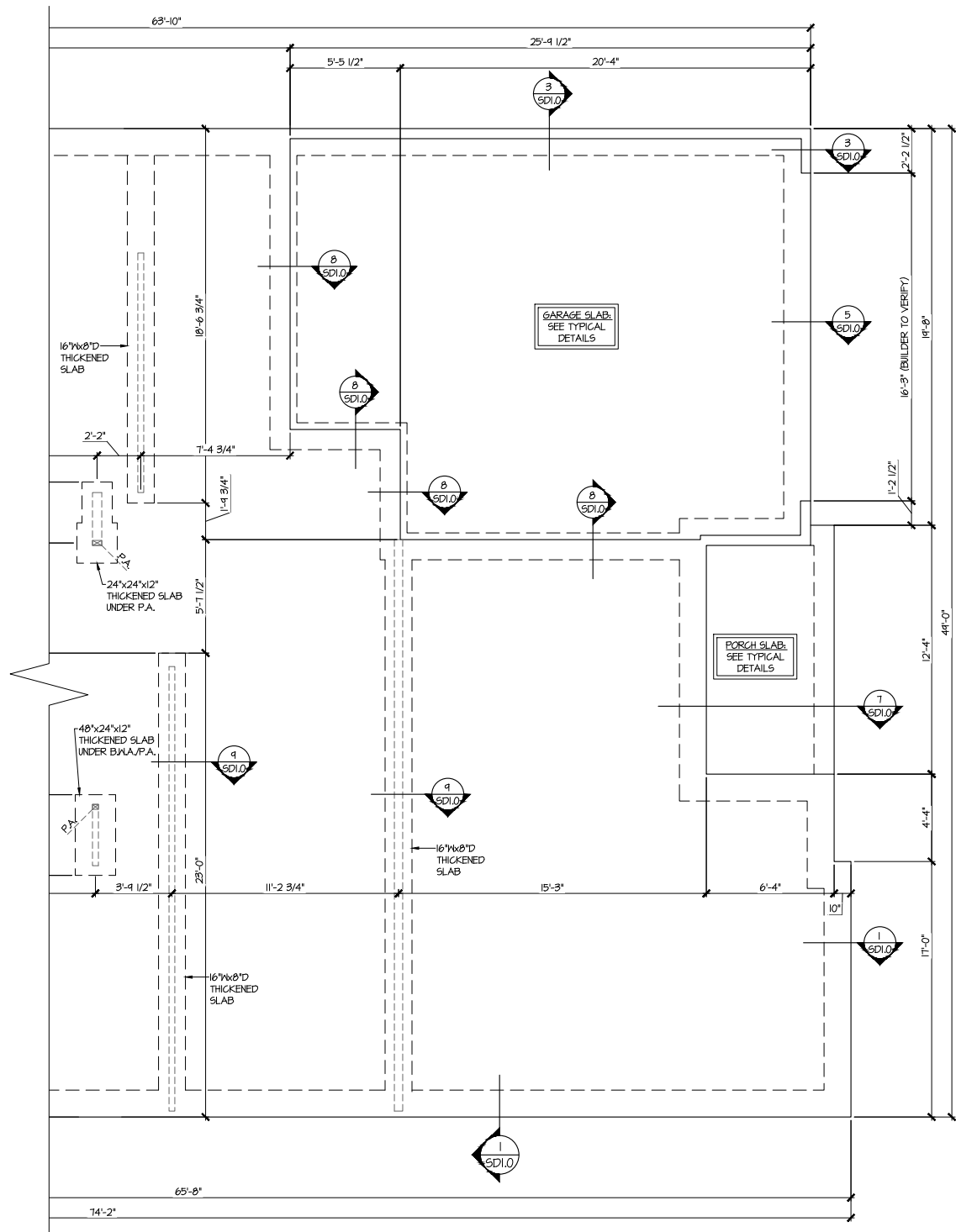
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date:	initial:
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UPDATED MODEL NAME, OPT. EXT. COVD. PORCH	
06-05-2025	JPP
UPDATED ARCH	

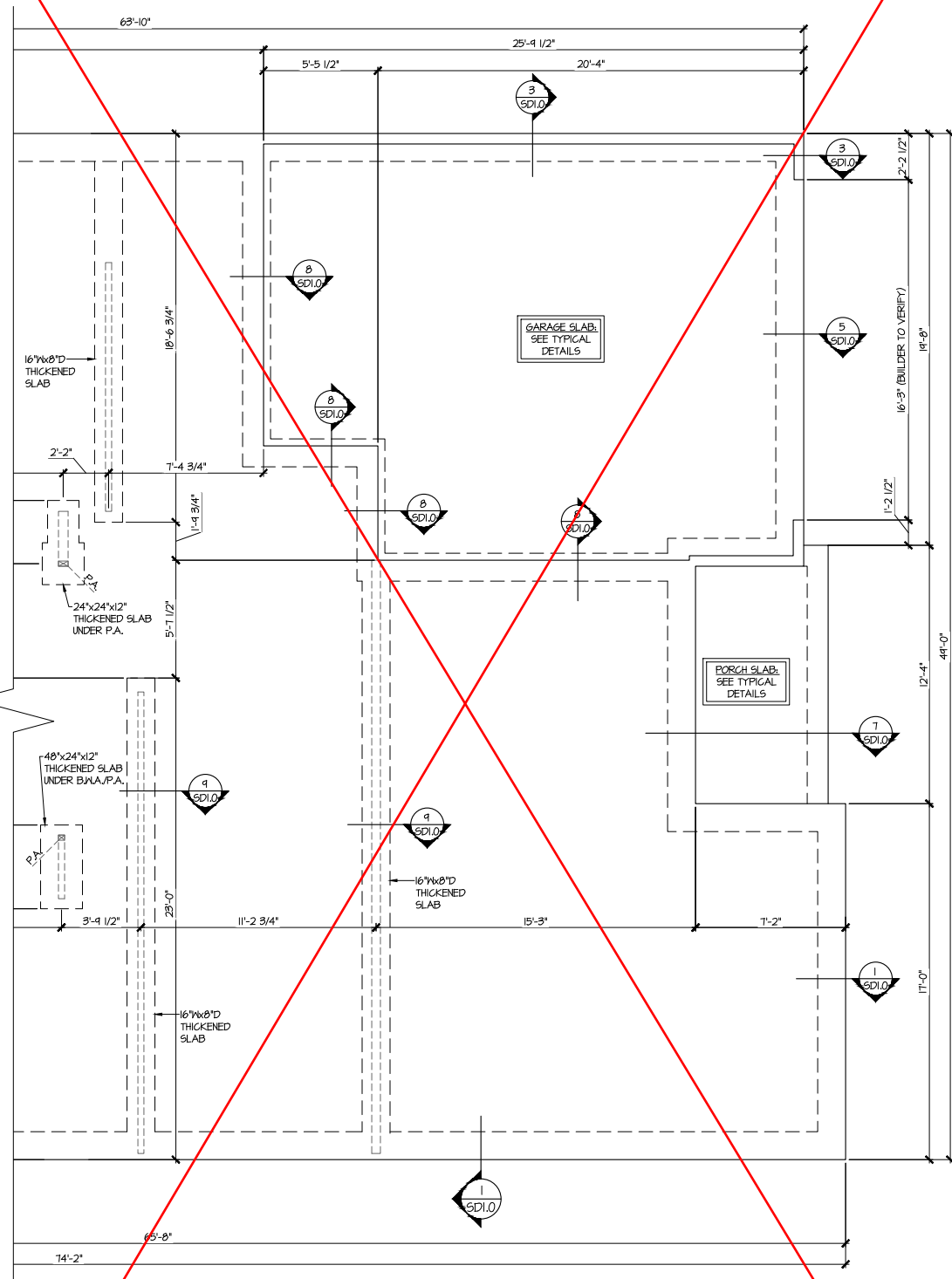


STRUCTURAL OPTIONS
5921-09 MODEL
SERENITY
MASTER SET
RALEIGH, NC

sheet:
S3.1



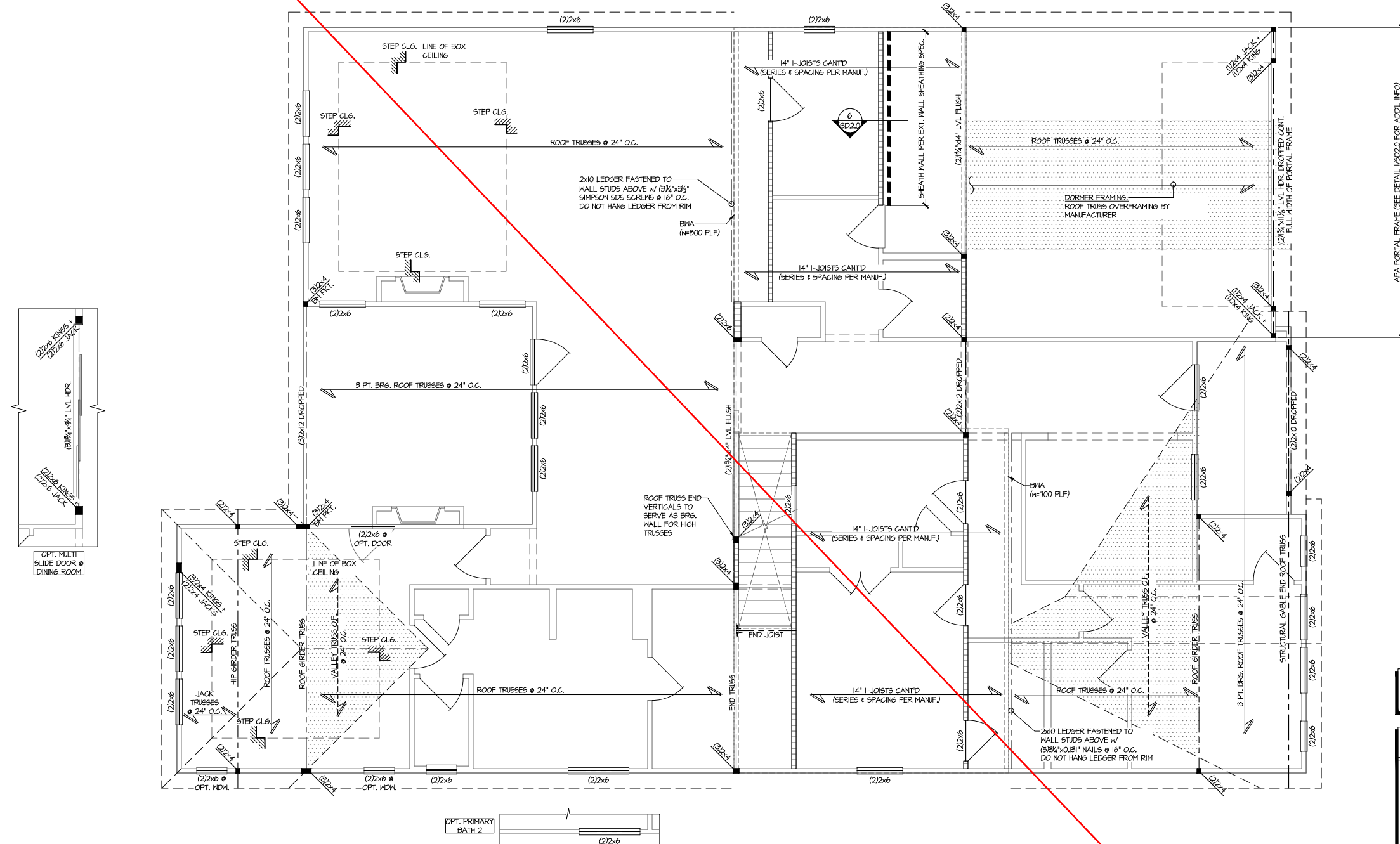
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PARTIAL SLAB FOUNDATION PLAN
SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)
ELEV. B
SEE ELEV. A FOR MORE INFO
OPT. OUTDOOR LIVING
PATIO 1 & 2 SIM.



2 OPT. 2ND FLOOR
PARTIAL SLAB FOUNDATION PLAN
SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)
ELEV. C
SEE ELEV. A FOR MORE INFO
OPT. OUTDOOR LIVING
PATIO 1 & 2 SIM.

REFER TO S.O. FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

LEGEND	
•	INTERIOR BEARING WALL
•	BEARING WALL ABOVE (B.W.A.)
•	BEAM / HEADER
•	INDICATES EXTENT OF INT. OSB SHEARWALL AND/OR 3" O.C. EDGE NAILING
•	EXTENT OF VALLEY TRUSS OVERFRAMING @ 24" O.C. (MAX.)
•	EXTENT OF FLOOR SYSTEM TO BE DESIGNED FOR TILE
▶	INDICATES HOLDDOWN
HL	METAL HANGER
*	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



**OPT. 2ND FLOOR
LOW ROOF FRAMING PLAN**

SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)

ELEV. A
OPT. OUTDOOR LIVING
PATIO 1 & 2 SIM.

**THIS LEVEL HAS BEEN DESIGNED
FOR 9'-1" PLATE HEIGHT**

LEGEND

- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM / HEADER
- INDICATES EXTENT OF INT. OSB SHEARWALL AND/OR 3" O.C. EDGE NAILING
- EXTENT OF VALLEY TRUSS OVERFRAMING @ 24" O.C. (MAX.)
- EXTENT OF FLOOR SYSTEM TO BE DESIGNED FOR TILE
- INDICATES HOLDDOWN
- METAL HANGER
- INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

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issue date: **08-16-2024**

REVISIONS:

date:	initial:
11-08-2024	SMK
06-05-2025	JPP

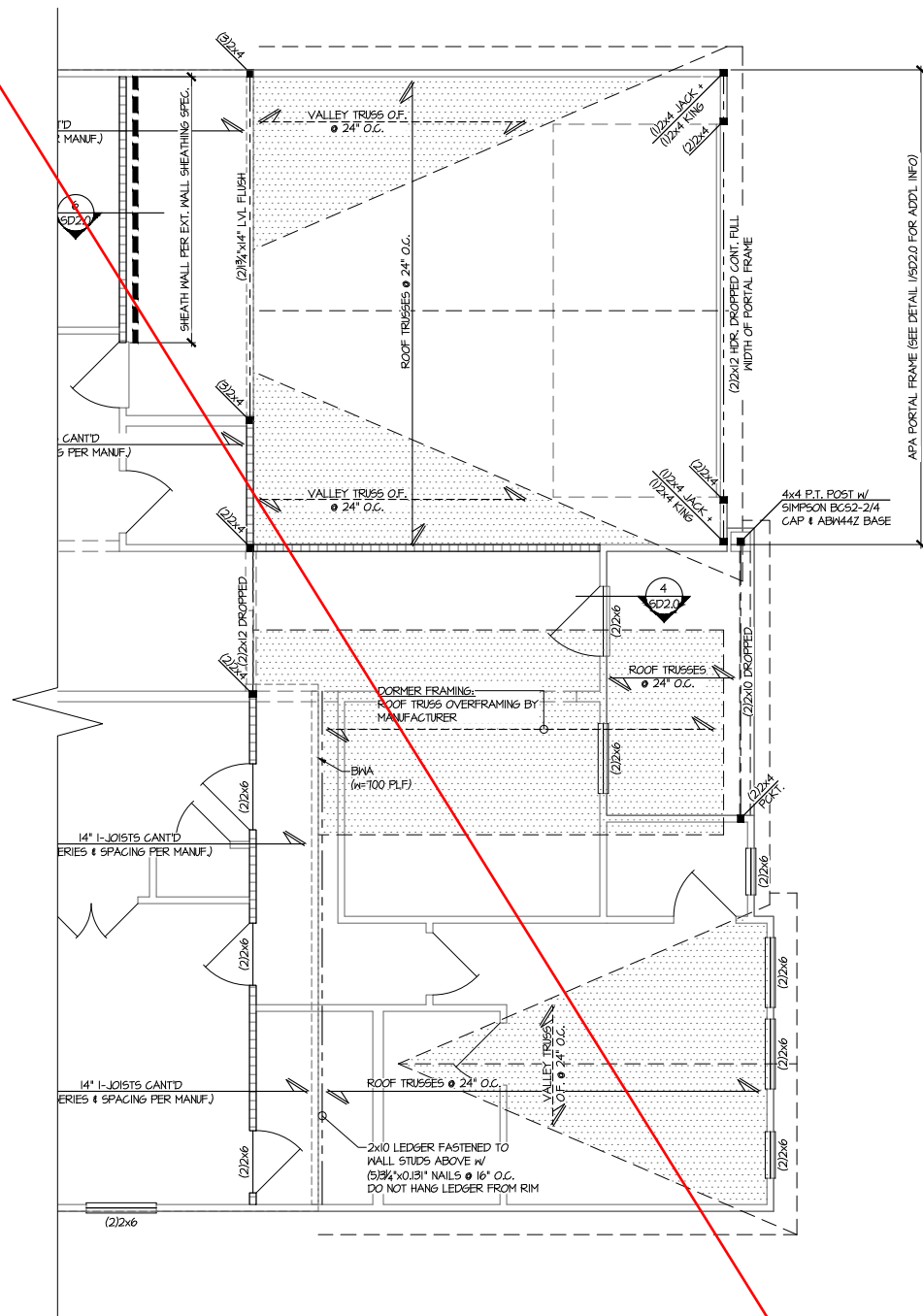
tri pointe
HOMES

STRUCTURAL OPTIONS

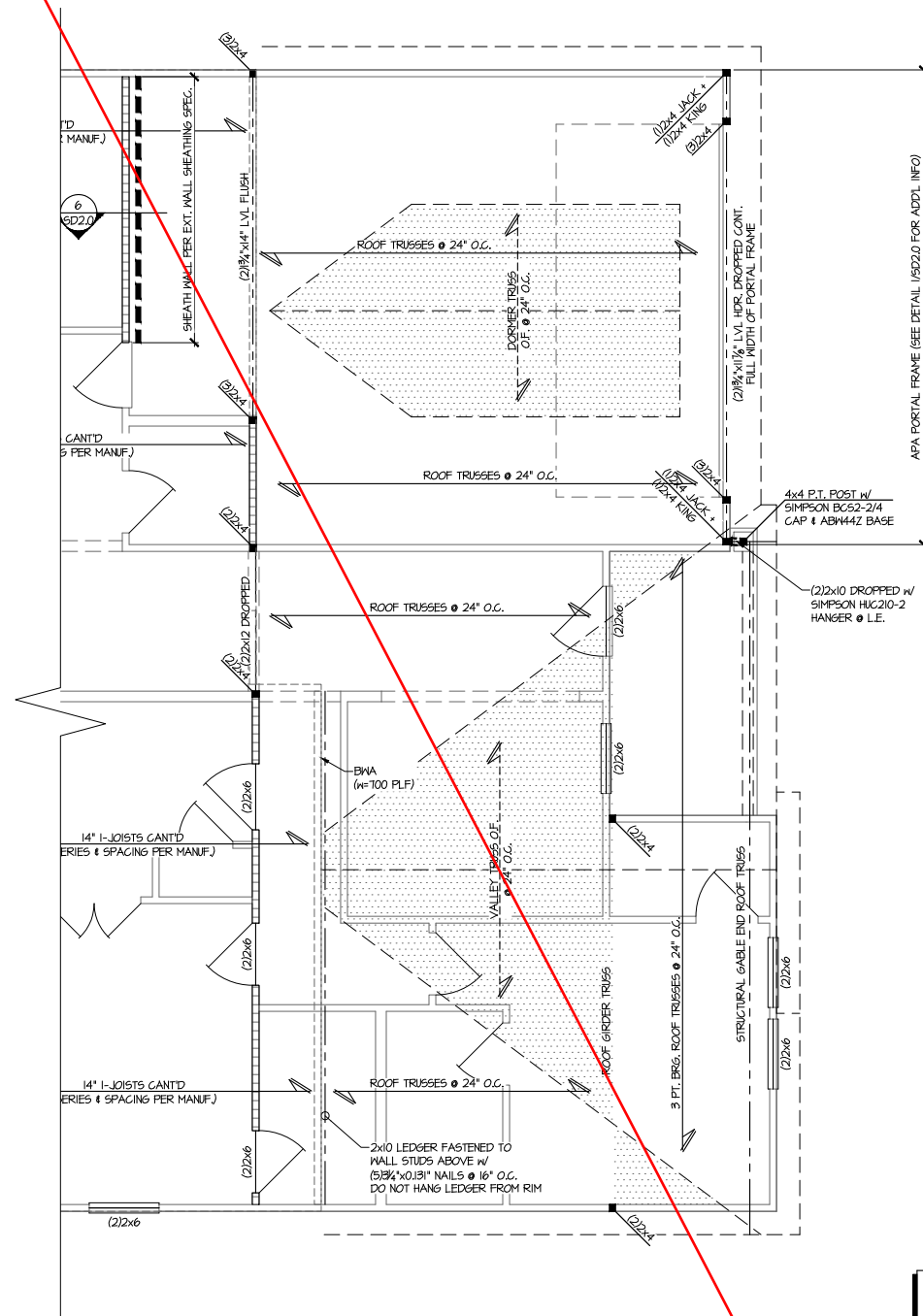
5921-09 MODEL

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MASTER SET
RALEIGH, NC

sheet:
S3.2



**OPT. 2ND FLOOR
PARTIAL LOW ROOF FRAMING PLAN**
 SCALE: 1/4"=1'-0" (22x24 SHEET)
 1/8"=1'-0" (11x17 SHEET)
 ELEV. B
 SEE ELEV. A FOR MORE INFO
 OPT. OUTDOOR LIVING
 PATIO 1 & 2 SIM.



**OPT. 2ND FLOOR
PARTIAL LOW ROOF FRAMING PLAN**
 SCALE: 1/4"=1'-0" (22x24 SHEET)
 1/8"=1'-0" (11x17 SHEET)
 ELEV. C
 SEE ELEV. A FOR MORE INFO
 OPT. OUTDOOR LIVING
 PATIO 1 & 2 SIM.

THIS LEVEL HAS BEEN DESIGNED
FOR 9'-1" PLATE HEIGHT

REFER TO S.O. FOR
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& SCHEDULES

LEGEND	
	INTERIOR BEARING WALL
	BEARING WALL ABOVE (B.W.A.)
	BEAM / HEADER
	INDICATES EXTENT OF INT. OSB SHEARWALL AND/OR 3" O.C. EDGE NAILING
	EXTENT OF VALLEY TRUSS OVERFRAMING @ 24" O.C. (MAX.)
	EXTENT OF FLOOR SYSTEM TO BE DESIGNED FOR TILE
	INDICATES HOLDDOWN
	METAL HANGER
	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



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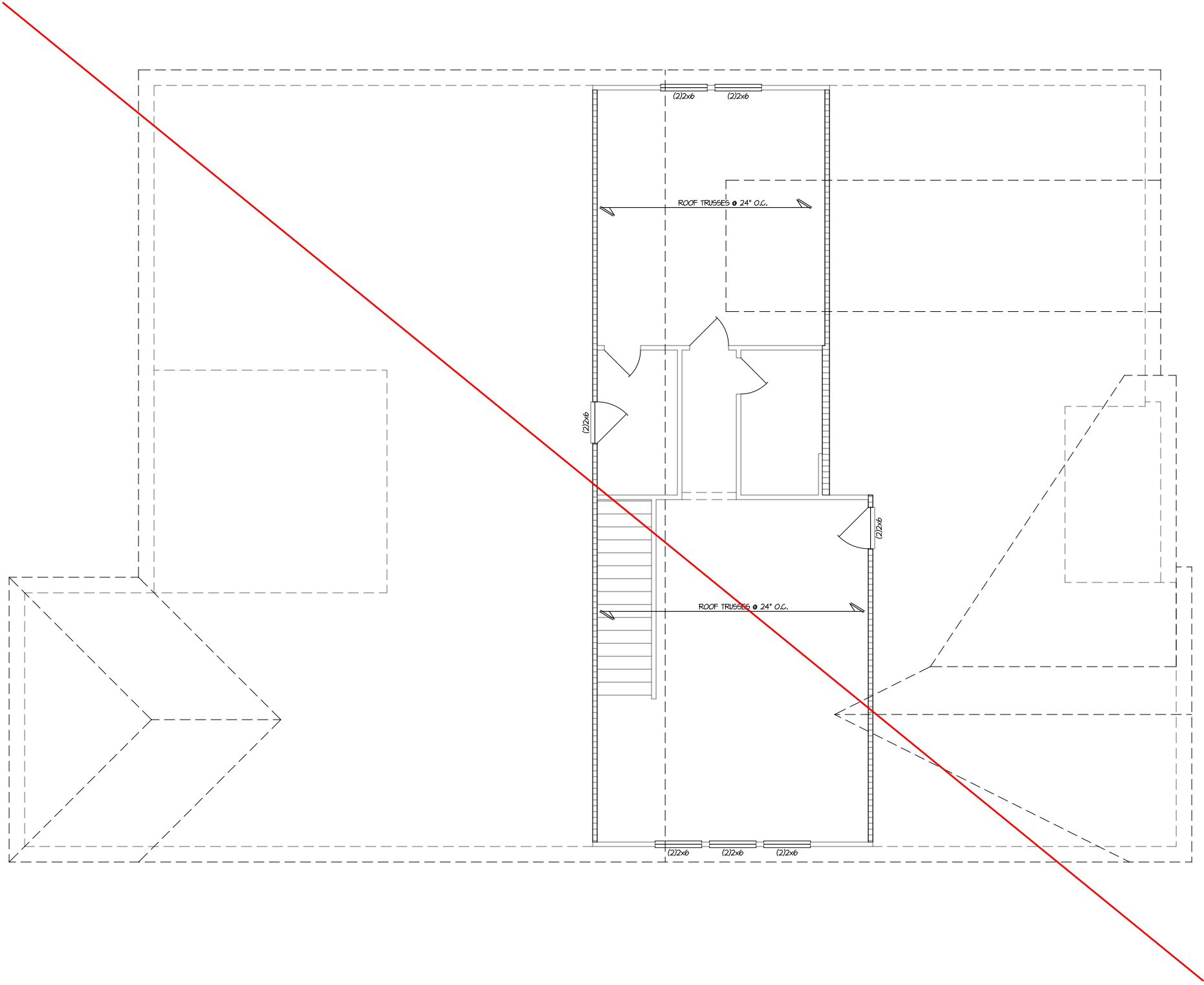
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REVISIONS:
 date: 11-08-2024 initial: SMM
 UPDATED MODEL NAME, OPT. EXT. COVD. PORCH
 06-05-2025 JPP
 UPDATED ARCH

tri pointe
 HOMES

STRUCTURAL OPTIONS
5921-09 MODEL
 SERENITY
 MASTER SET
 RALEIGH, NC

sheet:
S3.3



OPT. 2ND FLOOR
HIGH ROOF FRAMING PLAN

SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)

ELEV. A
ALL ELEV. SIM.

THIS LEVEL HAS BEEN DESIGNED FOR 9'-1" PLATE HEIGHT

LEGEND

- INTERIOR BEARING WALL
- BEARING WALL ABOVE (B.W.A.)
- BEAM / HEADER
- INDICATES EXTENT OF INT. OSB SHEARWALL AND/OR 3" O.C. EDGE NAILING
- EXTENT OF VALLEY TRUSS OVERFRAMING @ 24" O.C. (MAX.)
- EXTENT OF FLOOR SYSTEM TO BE DESIGNED FOR TILE
- INDICATES HOLDOWN
- METAL HANGER
- INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

REFER TO S.O. FOR TYPICAL STRUCTURAL NOTES & SCHEDULES



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11-08-2024	SMK
UPDATED MODEL NAME, OPT, EXT, COVD, PORCH	JPP
06-05-2025	
UPDATED ARCH	

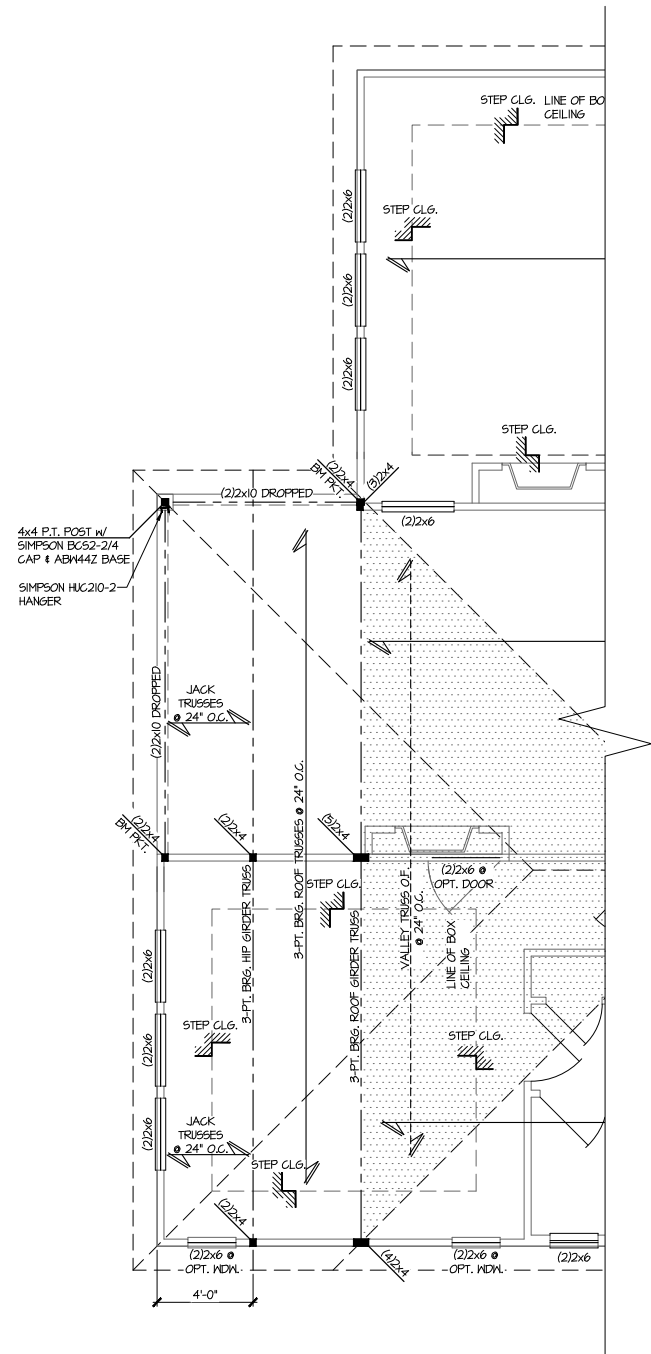


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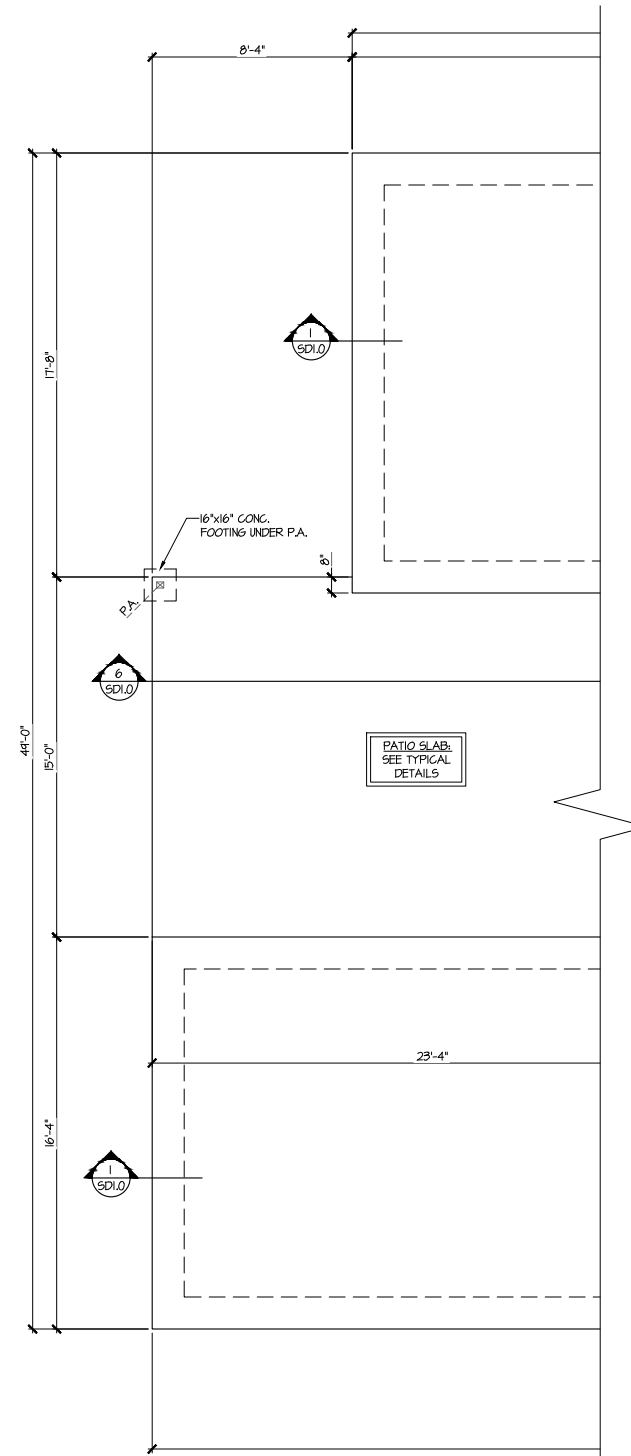
5921-09 MODEL

SERENITY
MASTER SET
RALEIGH, NC

sheet:
S3.4



1
OPT. EXTENDED COVERED PORCH
PARTIAL ROOF FRAMING PLAN
SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)
ELEV. A
ALL ELEV. SIM.

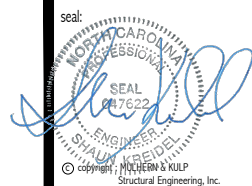


2
OPT. EXTENDED COVERED PORCH
PARTIAL SLAB FOUNDATION PLAN
SCALE: 1/4"=1'-0" (22x24 SHEET)
1/8"=1'-0" (11x17 SHEET)
ELEV. A
ALL ELEV. SIM.

THIS LEVEL HAS BEEN DESIGNED
FOR 9'-1" PLATE HEIGHT

REFER TO S.O. FOR
TYPICAL STRUCTURAL NOTES
& SCHEDULES

LEGEND	
	INTERIOR BEARING WALL
	BEARING WALL ABOVE (B.W.A.)
	BEAM / HEADER
	INDICATES EXTENT OF INT. OSB SHEARWALL AND/OR 3" O.C. EDGE NAILING
	EXTENT OF VALLEY TRUSS OVERFRAMING @ 24" O.C. (MAX.)
	EXTENT OF FLOOR SYSTEM TO BE DESIGNED FOR TILE
	INDICATES HOLDDOWN
	METAL HANGER
	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.



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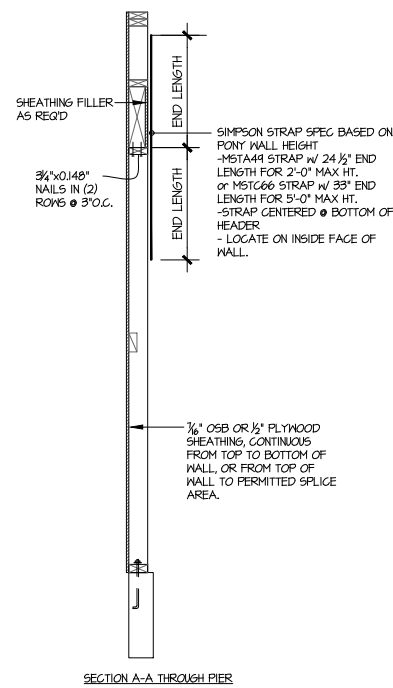
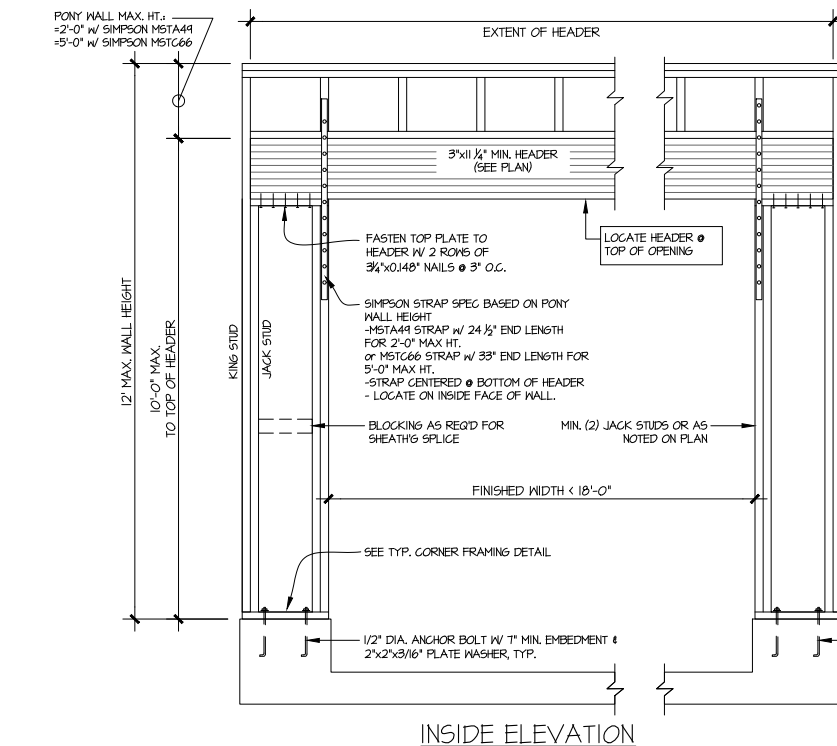
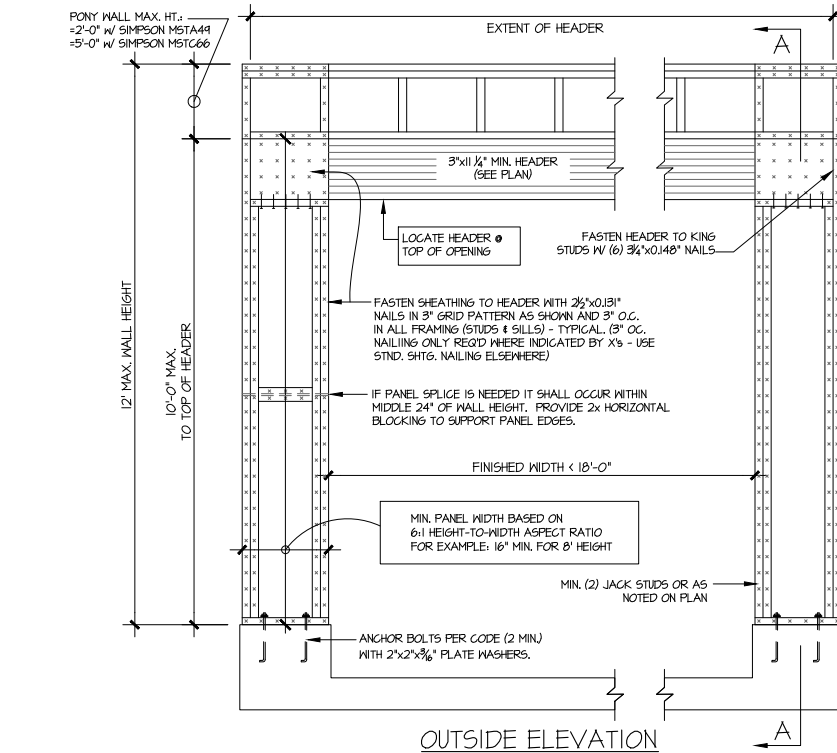
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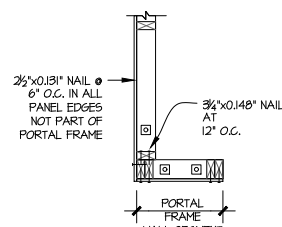
STRUCTURAL OPTIONS
5921-09 MODEL
SERENITY
MASTER SET
RALEIGH, NC

sheet:
S3.5



NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 3/4" OSB

WALL FRAMING SPECIFICATION: USE SPT/SPT STUD GRADE STUDS (OR BETTER)



PLAN VIEW OF CORNER DETAIL

ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT:

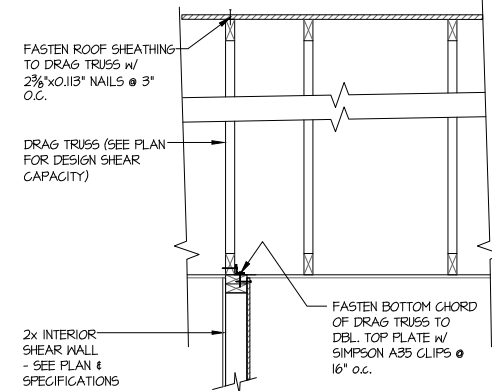
1) 1/2" DIA. x 6" LONG SIMPSON TITEN HD

2) 1/2" DIA. THREADED ROD EPOXY SET w/4 1/2" EMBED. (MINI UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL))

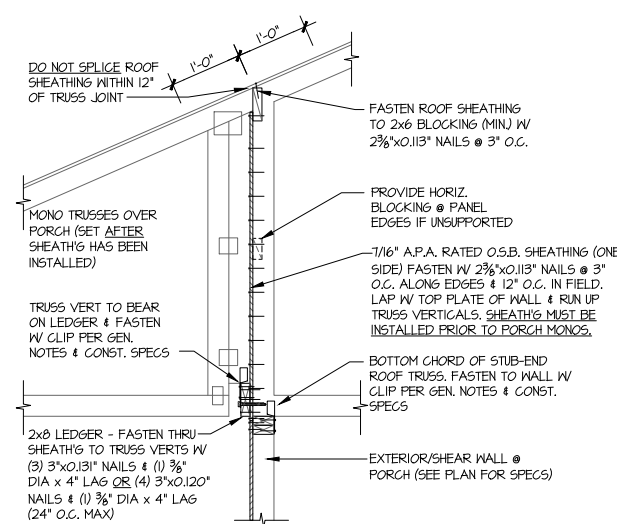
1 GARAGE PORTAL FRAME BRACING ELEVATION

SCALE: N.T.S.

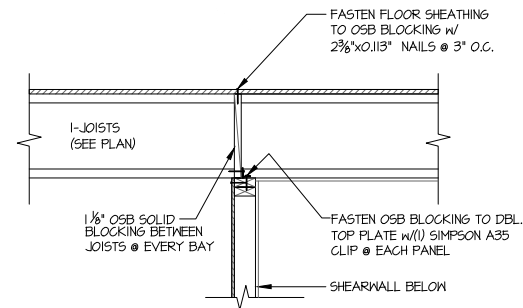
BOTH SIDES OF GARAGE DOOR
115 MPH WIND SPEED (ULT)



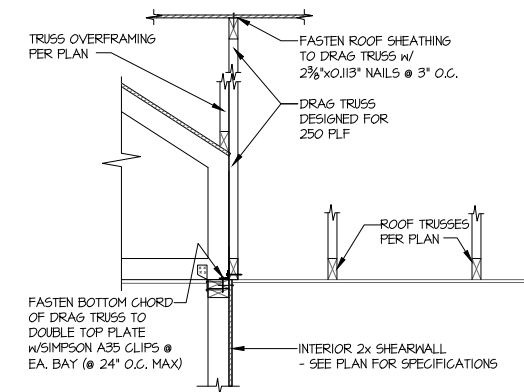
2 INTERIOR DRAG TRUSS DETAIL
SCALE: 3/4"=1'-0"



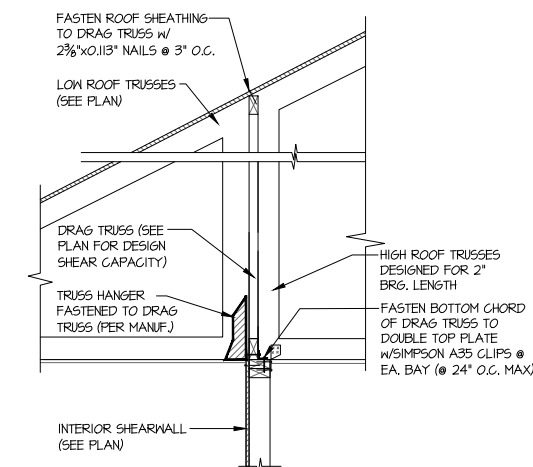
4 SHEAR TRANSFER DETAIL @
BREAK IN TRUSSES OVER SHEAR WALL
SCALE: 3/4"=1'-0" - 22x34
3/8"=1'-0" - 11x17



6 SHEAR TRANSFER DETAIL @
INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0" PERPENDICULAR FRAMING



3 SHEAR TRANSFER DETAIL
AT INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0"



5 SHEAR TRANSFER DETAIL
AT INTERIOR SHEARWALL BELOW
SCALE: 3/4"=1'-0"



MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING

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NC License # C-3625

Mulhern+Kulp project number:
243-24035

project mgr: SMK
drawn by: KMV
issue date: 08-16-2024

REVISIONS:

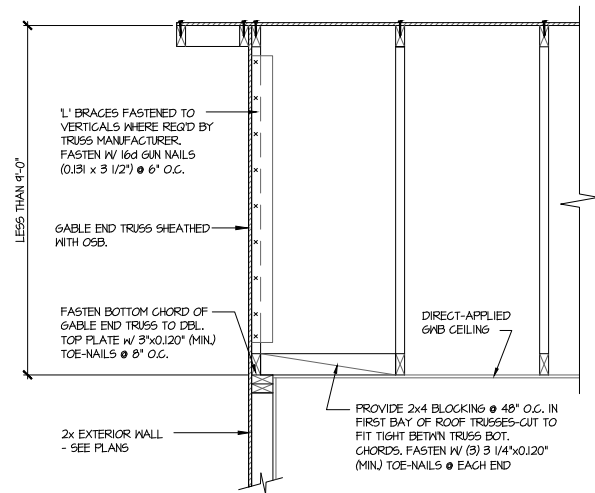
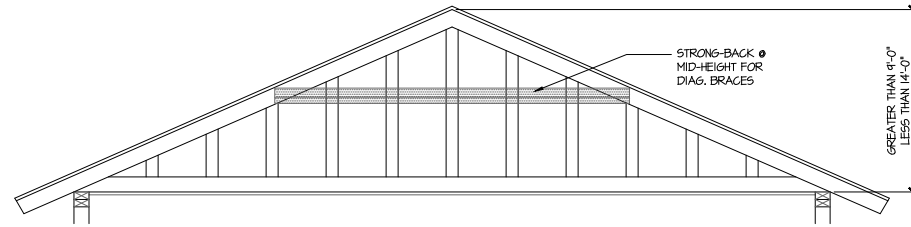
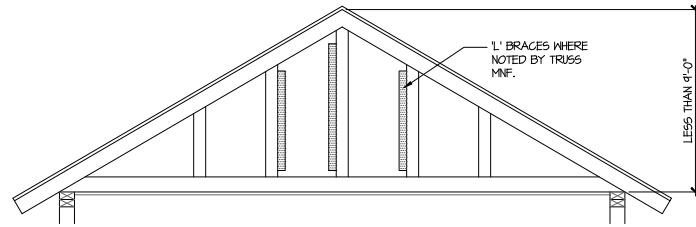
date:	initial:
11-08-2024	SMK
06-05-2025	JPP

tri pointe
HOMES

FRAMING DETAILS

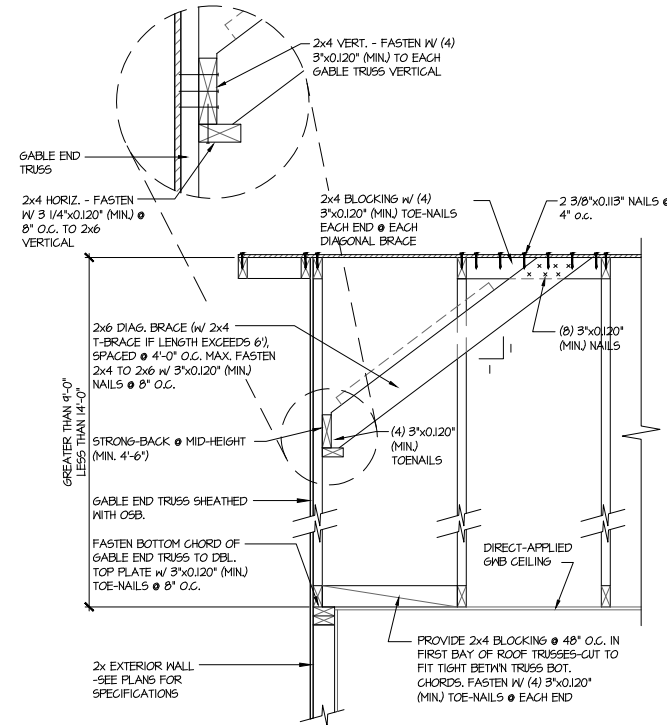
5921-09 MODEL
SERENITY
MASTER SET
RALEIGH, NC

sheet:
SD2.0



A TYPICAL GABLE END BRACING DETAIL
SCALE: NONE
REQ'D @ GABLE END TRUSS
HEIGHT UP TO 9'-0"

BRACE GABLE END TRUSSES PER ABOVE DETAIL WHEN GABLE HEIGHT IS LESS THAN 9'-0". 1" BRACES REQUIRED WHERE NOTED BY TRUSS MANUFACTURER.



B TYPICAL GABLE END BRACING DETAIL
SCALE: NONE
REQ'D @ GABLE END TRUSS
HEIGHT BETWEEN 9'-0" TO 14'-0"

BRACE GABLE END TRUSSES PER ABOVE DETAIL WHEN GABLE HEIGHT EXCEEDS 9'-0". 1" BRACES NOT REQUIRED.



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243-24035

project mgr: SMK
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issue date: 08-16-2024

REVISIONS:

date:	initial:
11-08-2024	SMK
UPDATED MODEL NAME, OPT, EXT, COVD, PORCH	
06-05-2025	JPP
UPDATED ARCH	

tri pointe
HOMES

FRAMING DETAILS

5921-09 MODEL
SERENITY
MASTER SET
RALEIGH, NC

sheet:
SD2.1