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(Inside of Frame S.F.)	
A/C Area	Sq. Ft.
FIRST FLOOR	1625
<b>Total A/C Area</b>	<b>1625</b>

[illegible]

## Lot 332 - 5919-03 - Elevation D


















<p>OPTIONS</p> <p>OUTDOOR FIREPLACE</p> <p>OUTDOOR LIVING PATIO</p> <p>GOURMET KITCHEN 1</p> <p>OFFICE I/O FLEX</p> <p>PRIMARY BATH 1</p> <p>SCREENED OUTDOOR LIVING</p>
--

NOTE: ALL OPTIONAL SQUARE FOOTAGES LISTED ARE INDEPENDENT OF AND IN ADDITION TO BASE SQUARE FOOTAGES.

UNDER 9000  
SQFT

GARAGE SIDE  
WALLS MUST  
BE FIRE  
RATED

# SYMBOLS

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

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## Business Operations

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## COVER SHEET &amp; GENERAL NOTES

**SUBDIVISION: ALTIS @ SERENITY**

ADDRESS: 236 STREMSIDE TER

LOT: 332

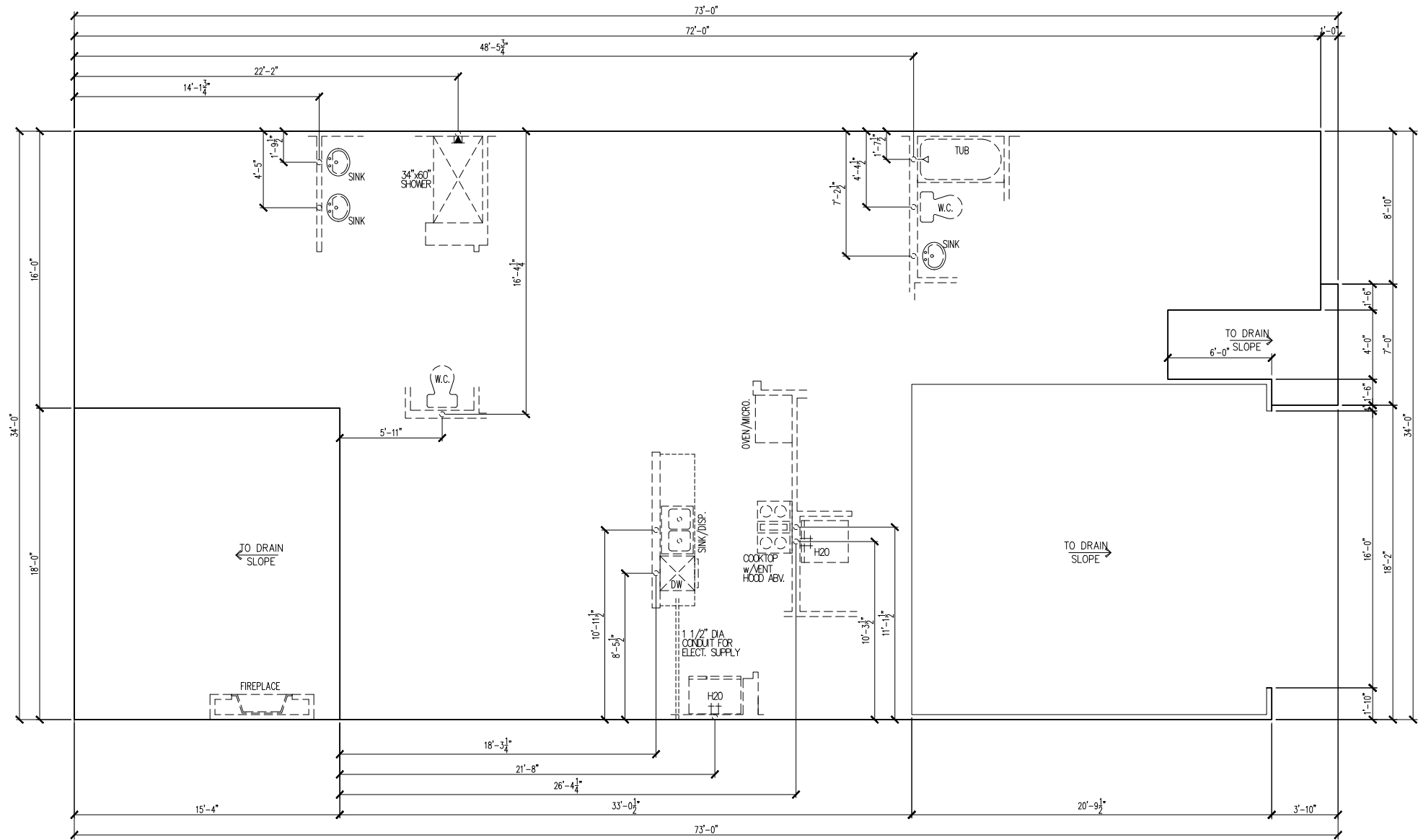
Issue Date: 10-01-24  
Drawn By: ACC

PLAN #:  
5919-03

PLAN NAME:  
**OAK HAVEN**

SHEET #:  
G0.01





BASE FOUNDATION PLAN

SUBDIVISION: ALTIS @ SERENITY  
ADDRESS: 236 STREAMSIDE TER  
LOT: 332

Issue Date: 10-01-24  
Drawn By: ACC

PLAN #:  
5919-03

PLAN NAME:  
OAK HAVEN

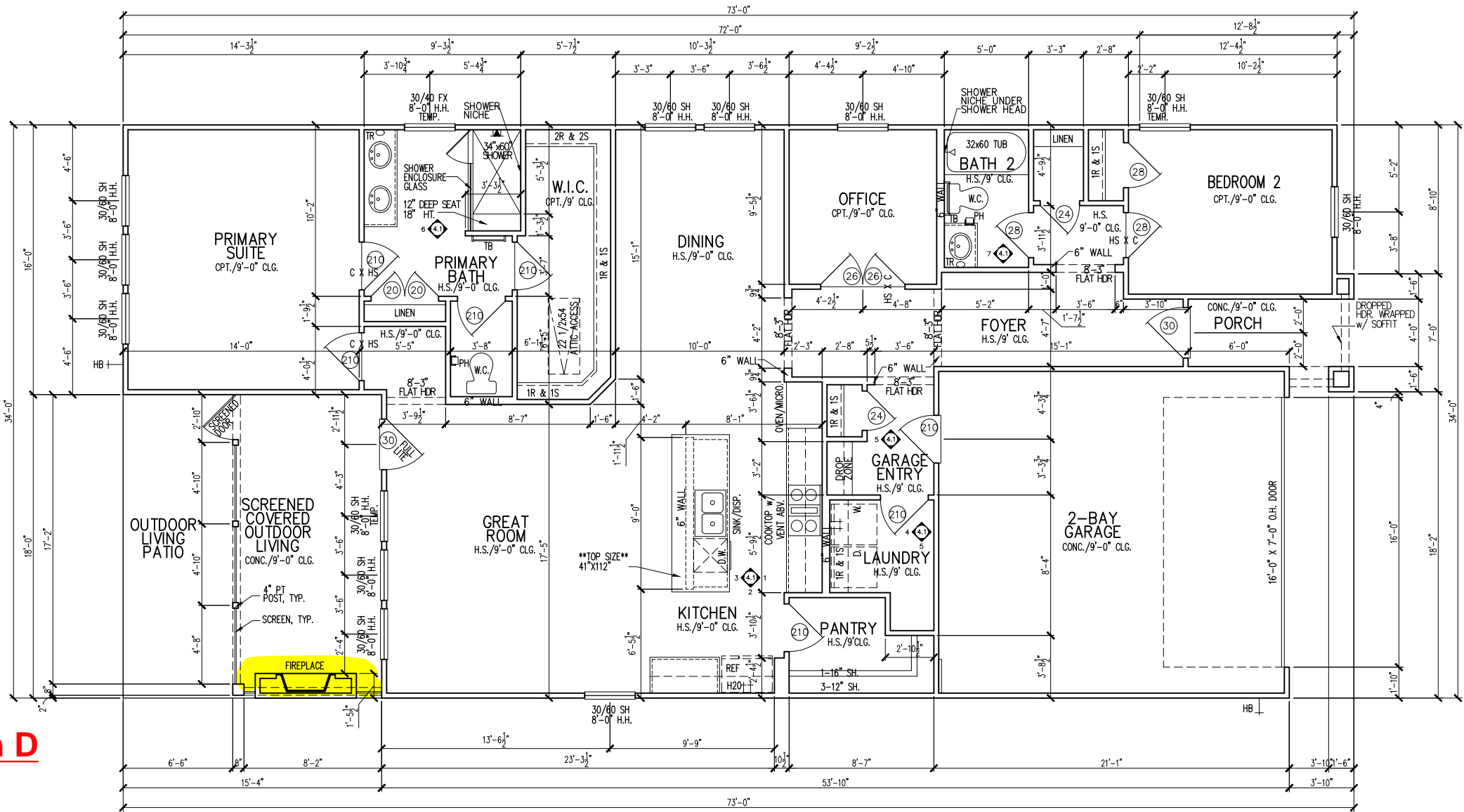
SHEET #:  
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MAIN FLOOR NOTES	
#	EXPLANATION
1.	ALL NON-DIMENSIONED PARTITIONS ARE 3-1/2" ROUGH
2.	ALL ANGLED PARTITIONS ARE 45 DEGREES UNLESS NOTED OTHERWISE (U.N.O.)
3.	PROVIDE MIN. 2-2x12's w/ 1/2" PLYWD. FLITCH PLATE AT ALL EXTERIOR WALL OPENINGS & 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.	FIRST FLOOR INTERIOR DOOR HEIGHTS ARE 8' TALL DOORS. DOORS AT OPTIONAL LOFT 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



Lot 332 - 5919-03 - Elevation D

- \*Fire Rated Garage Side
- \*Recirculating Tankless Water Heater
- \*Tile Walls @ Bath 2 Tub
- \*Optional Primary Bath 1
- \*Gourmet Kitchen Layout w/ Cooktop & Appliance Hood
- \*Optional Outdoor Living Patio
- \*Optional Outdoor Fireplace
- \*Optional Screened Covered Outdoor Living
- \*Optional Office ILO Flex Space

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1st FLOOR PLAN

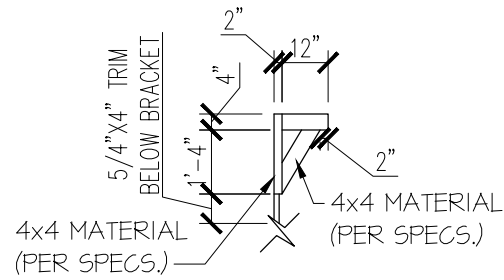
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ADDRESS: 236 STREAMSIDE TER  
LOT: 332

Issue Date: 10-01-24  
Drawn By: ACC

PLAN #:  
5919-03

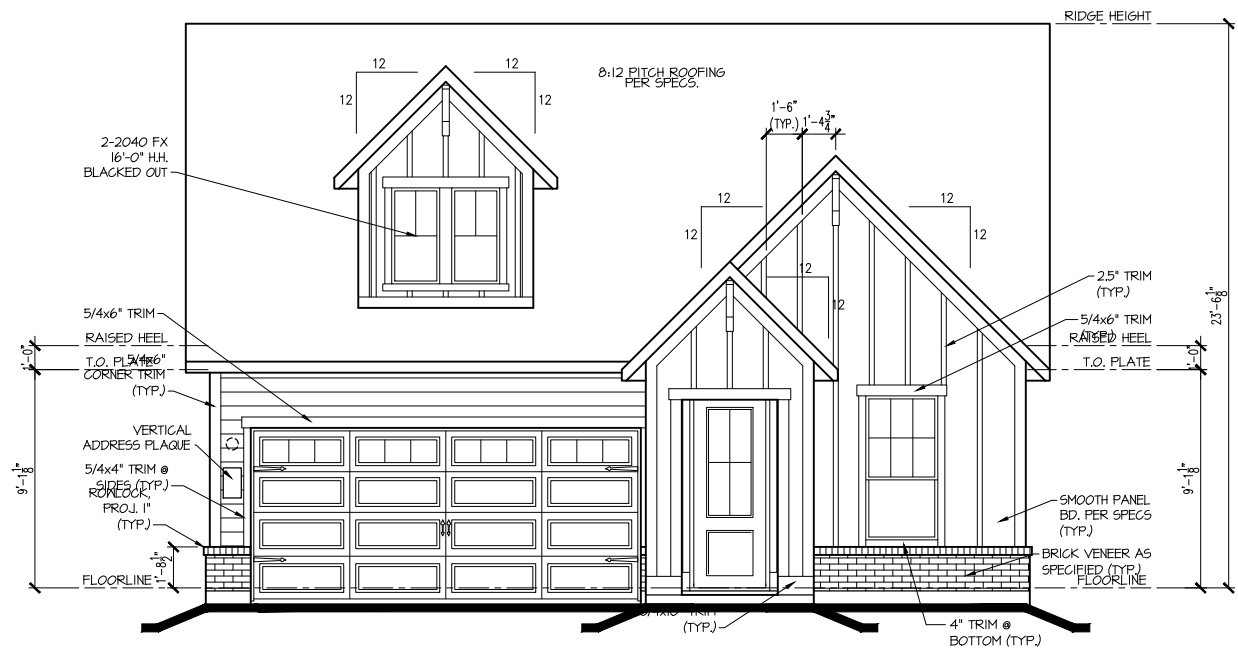
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OAK HAVEN

SHEET #:  
A1.10



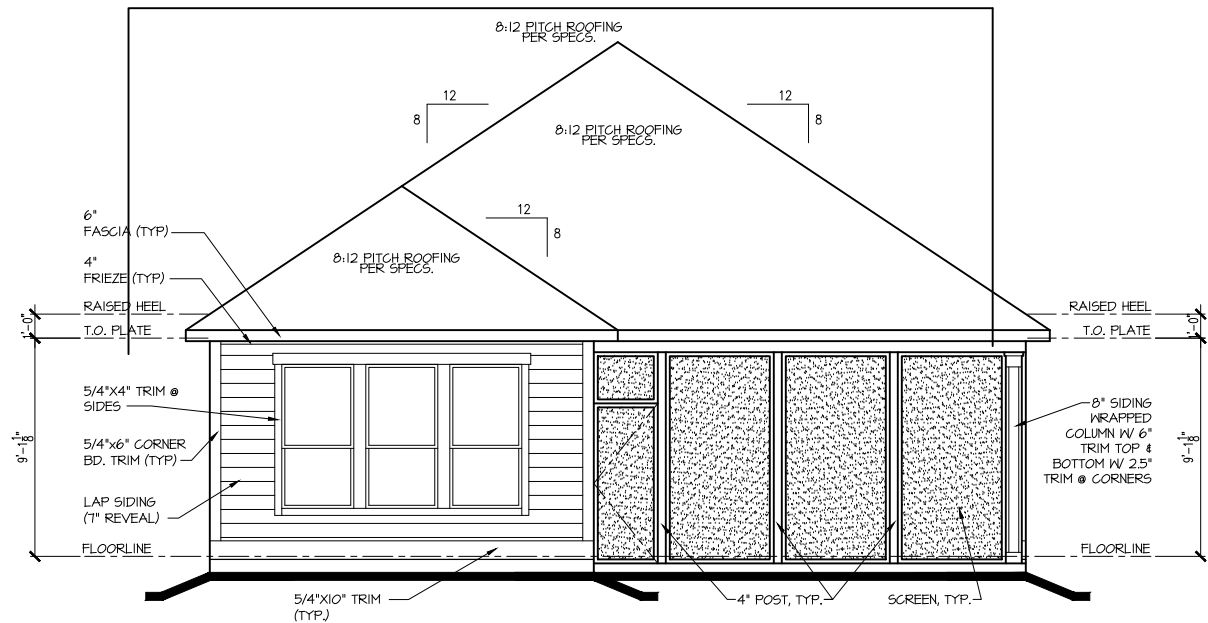
**BRACKET DETAIL**

N.T.S.



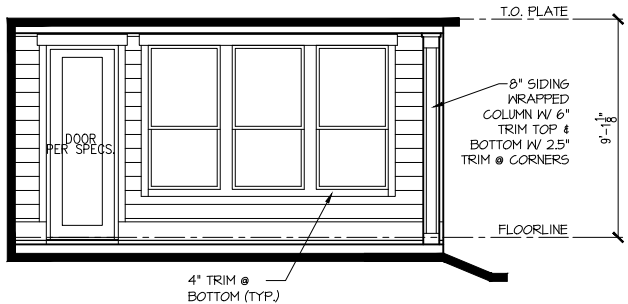
**FRONT ELEV. "D"**

1/8"=1'-0"



**REAR ELEV. "D"**

1/8"=1'-0"



**COVERED OUTDOOR LIVING ELEVATION**

1/8"=1'-0"

EXTERIOR ELEVATIONS

SUBDIVISION: ALTIS @ SERENITY  
ADDRESS: 236 STREAMSIDE TER  
LOT: 332

Issue Date: 10-01-24  
Drawn By: ACC

PLAN #:  
5919-03

PLAN NAME:  
OAK HAVEN

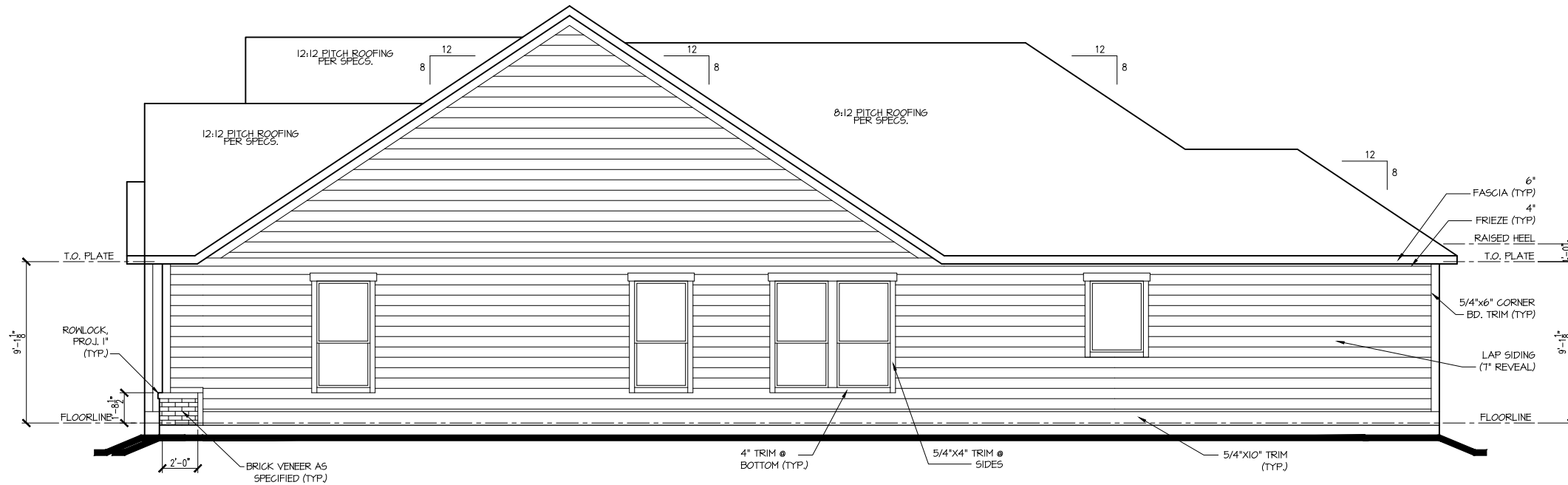
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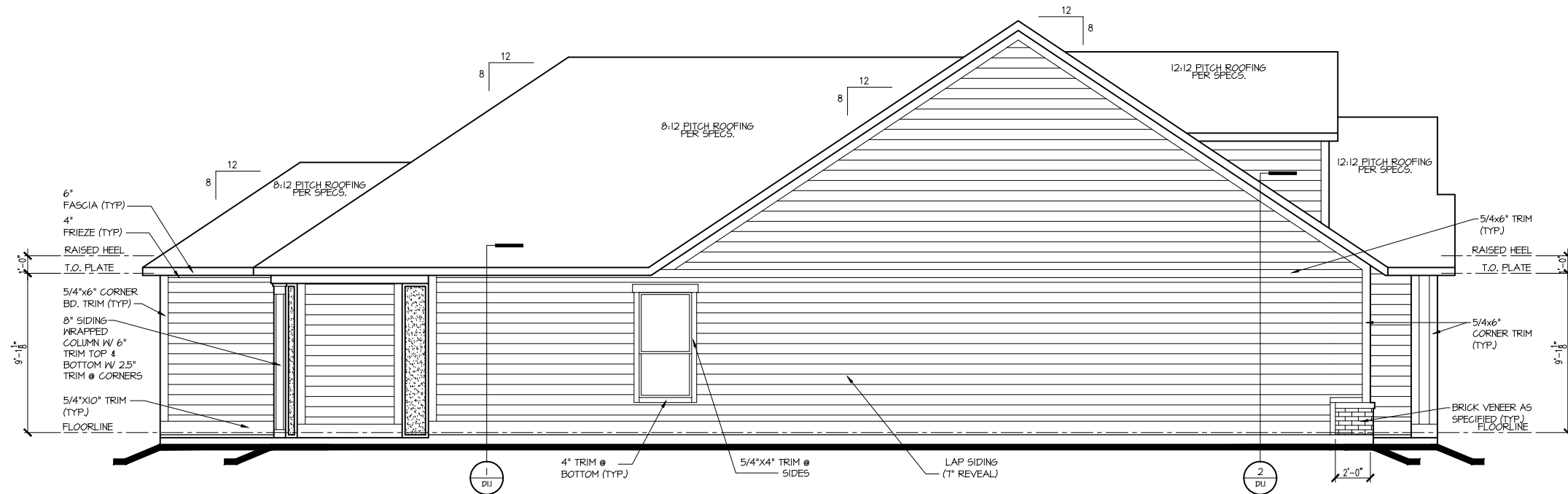
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**RIGHT ELEV. "D"**  
1/8"=1'-0"



**LEFT ELEV. "D"**  
1/8"=1'-0"

FIRE-RATED WALL

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EXTERIOR ELEVATIONS

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ADDRESS: 236 STREAMSIDE TER

LOT: 332

Issue Date: 10-01-24  
Drawn By: ACC

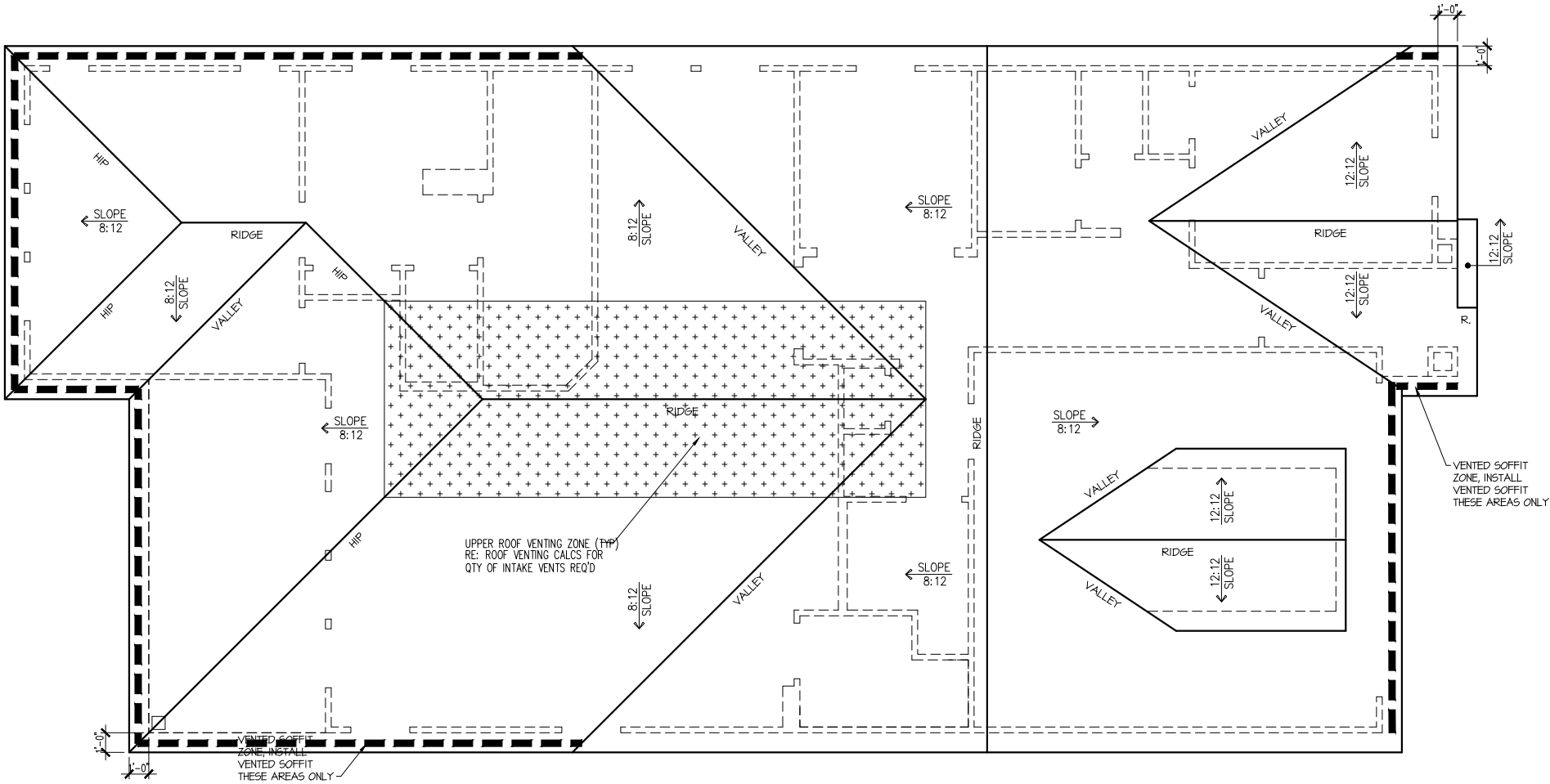
PLAN #:  
5919-03

PLAN NAME:  
OAK HAVEN

SHEET #:  
A2.02D

Attic Venting Calculations Elev. "D"	
ROOF INFORMATION	BASE
TOTAL SF ROOF AREA	2508
AVAILABLE L.F. ROOF SOFFIT	114
AVAILABLE L.F. ROOF RIDGE	80
VENT TYPES	QTY VENTS REQ'D
LOWER VENTS CONTINUOUS SOFFIT VENTING @ 5 S/LF	120 LF
UPPER VENTS SLANT 150 VENTS @ 150 S/LVENT	4
UPPER VENTS RIDGE VENTS @ 72 S/LVENT	8

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 'D'**  
SCALE: 1/8" = 1'-0"

ROOF PLAN

SUBDIVISION: ALTIS @ SERENITY  
ADDRESS: 236 STREAMSIDE TER  
LOT: 332

Issue Date: 10-01-24  
Drawn By: ACC

PLAN #:  
5919-03

PLAN NAME:  
OAK HAVEN

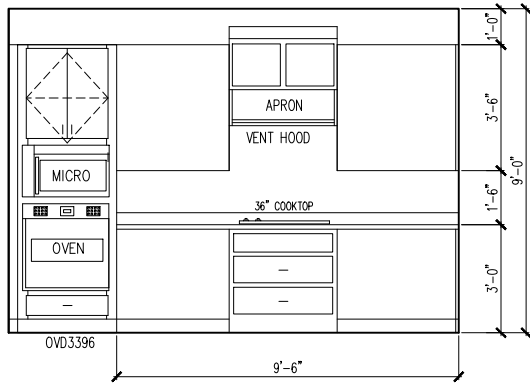
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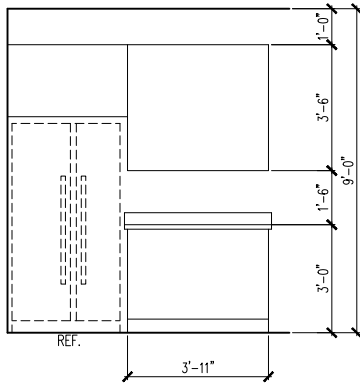
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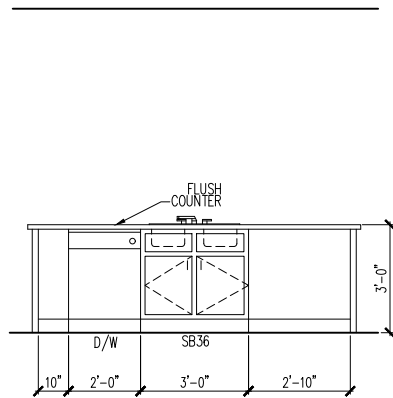
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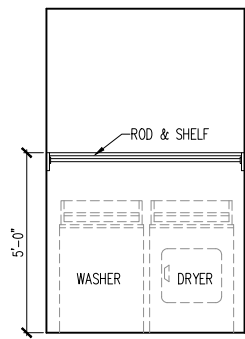
1 KITCHEN



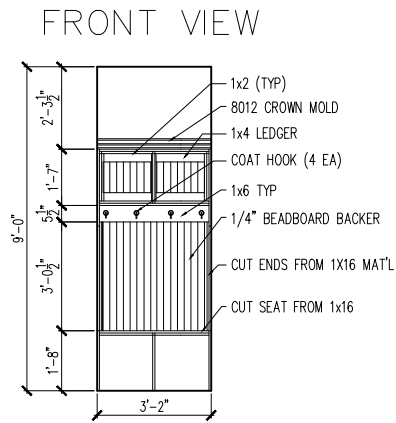
2 KITCHEN



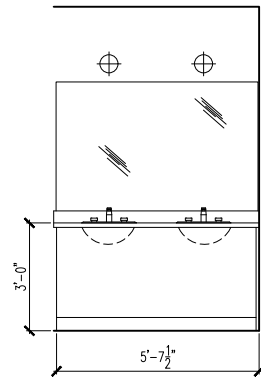
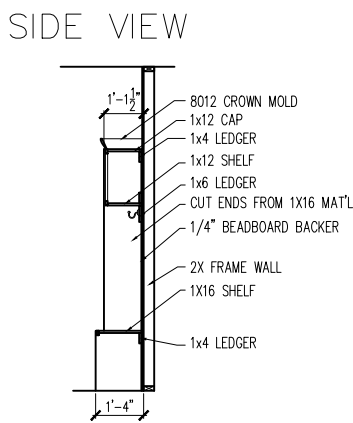
3 KITCHEN ISLAND



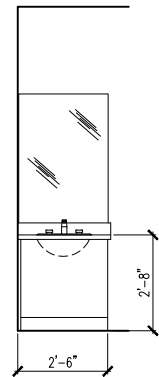
4 LAUNDRY ROOM



5 TYPICAL BENCH DETAIL (DROP ZONE)



6 PRIMARY BATH



7 BATH 2

INTERIOR DETAIL SHEET

SUBDIVISION: ALTIS @ SERENITY  
ADDRESS: 236 STREMSIDE TER  
LOT: 332

Issue Date: 10-01-24  
Drawn By: ACC

PLAN #:  
5919-03

PLAN NAME:  
OAK HAVEN

SHEET #:  
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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	.....

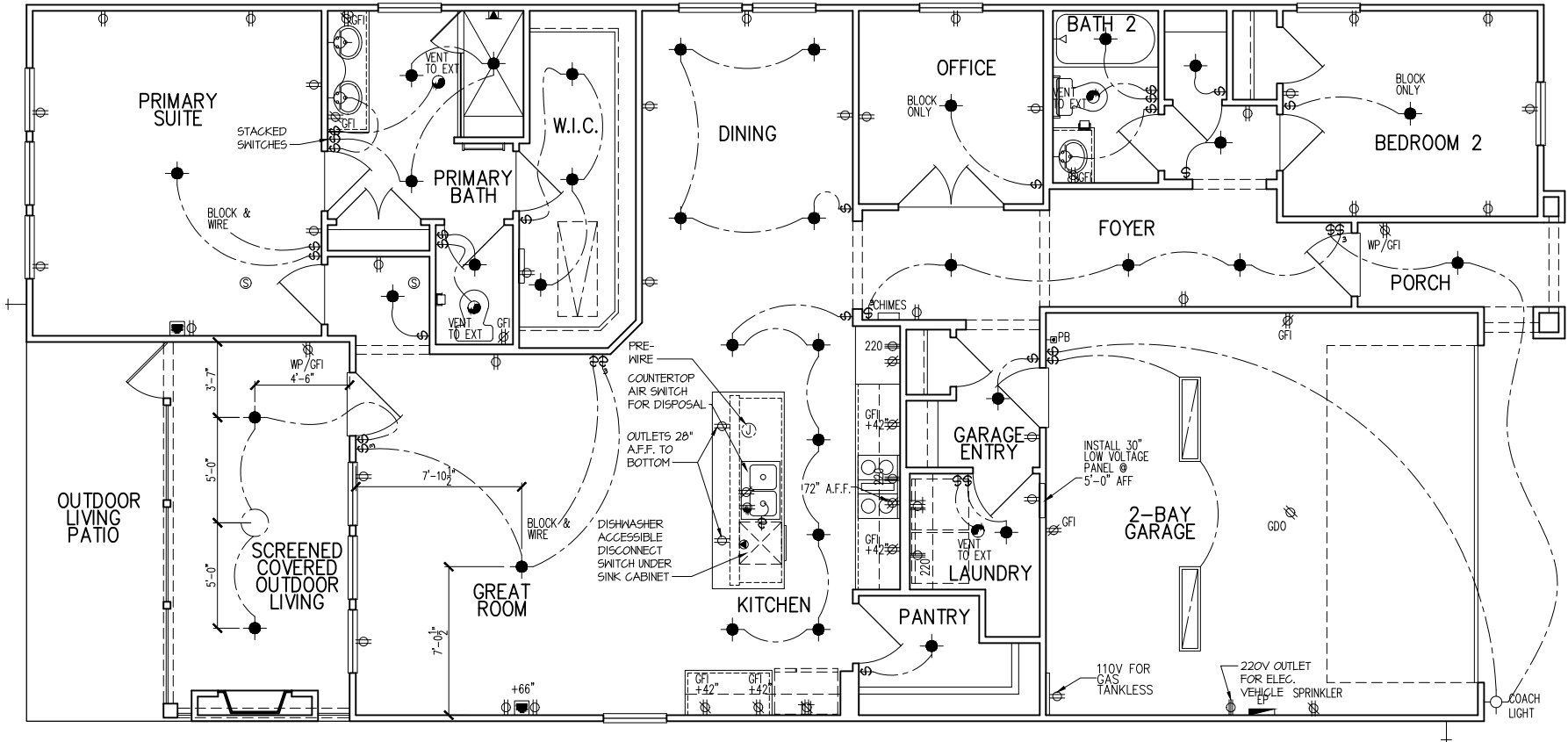
ELECTRICAL NOTES:

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

LEVEL W/ DR HANDLE  
DOORBELL BUTTON. . . . .  
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"



1st FLOOR ELECTRICAL PLAN

SUBDIVISION: ALTIS @ SERENITY  
ADDRESS: 236 STREAMSIDE TER  
LOT: 332

Issue Date: 10-01-24  
Drawn By: ACC

PLAN #:  
5919-03

PLAN NAME:  
OAK HAVEN

SHEET #:  
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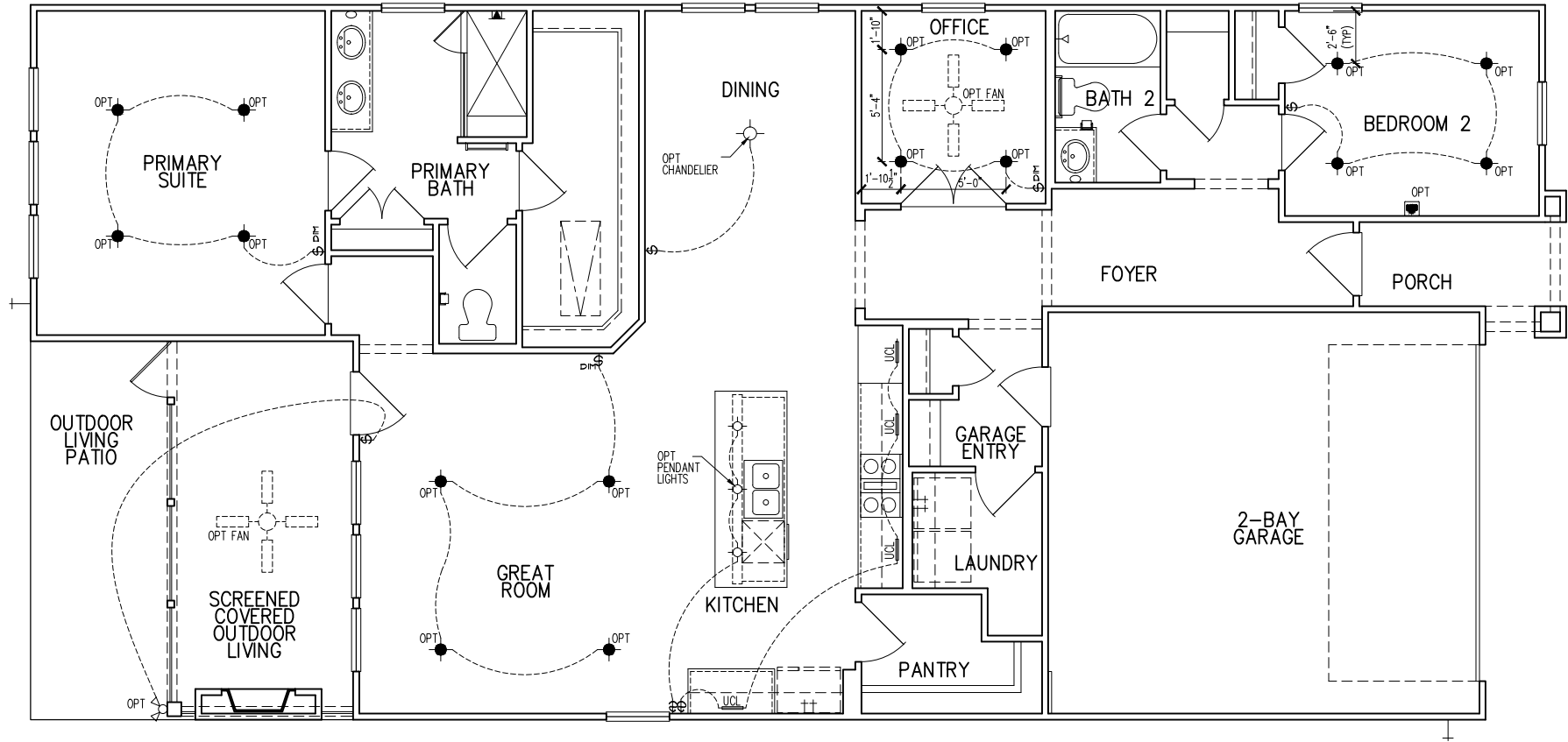
ELECTRICAL FIXTURE SCHEDULE	
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220V OUTLET	⌀ 220
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WP GFI OUTLET	⌀ WP/GFI
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SECURITY SYSTEM	⌀ SEC SYS
DISHWASHER	⌀ DW
JUNCTION BOX	⌀
CEILING MOUNTED 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

CL = CENTER LINE  
1 = FIELD VERIFY  
2 = MASTER BATH STANDARD 30" HIGH VANITY TO BE RAISED 4"



1st FLOOR ELEC. PLAN – OPITONS

SUBDIVISION: ALTIS @ SERENITY  
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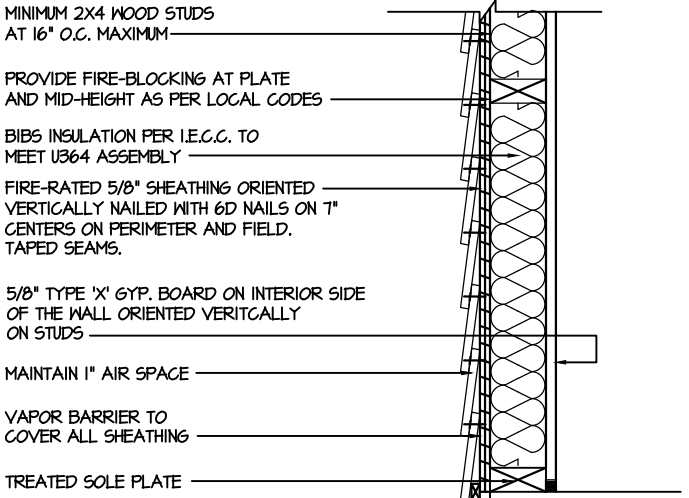
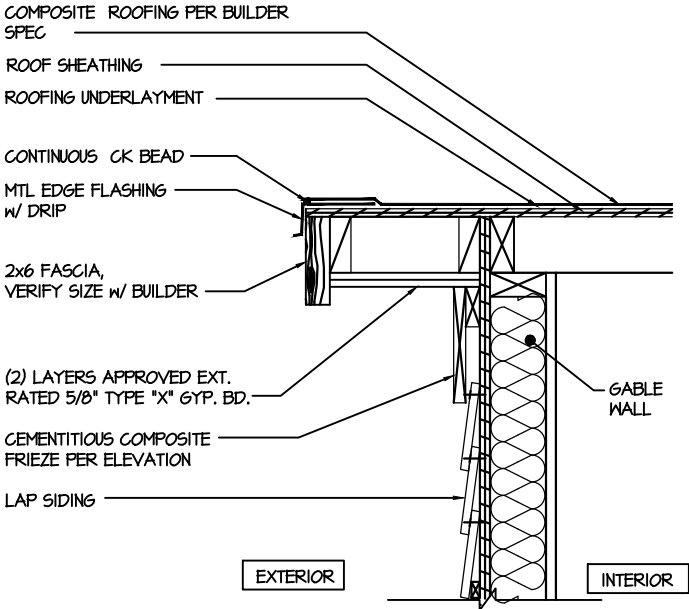
SHEET #:  
E1.11D

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NOTE:  
1. FIREWALL COMPIES WITH UL DESIGN #U364 FOR 1 HR. FIREWALL ASSEMBLY  
GLASS BLOCK IS NOT TO EXCEED 100 SQ. FT.  
60 MIN. FIRE-RATED GLASS BLOCK ONLY



### Eave

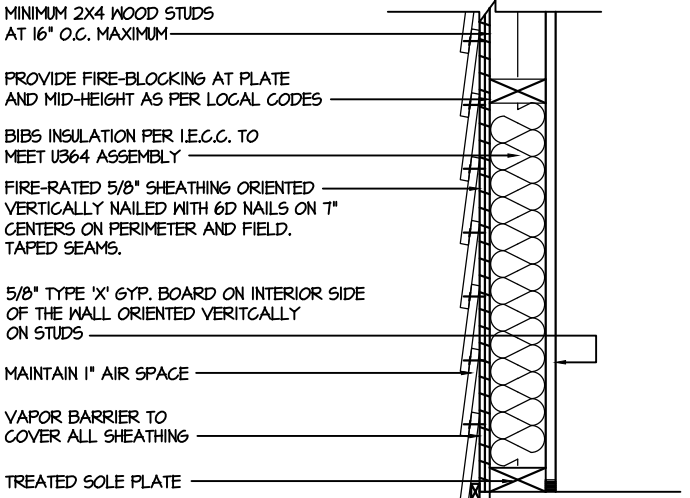
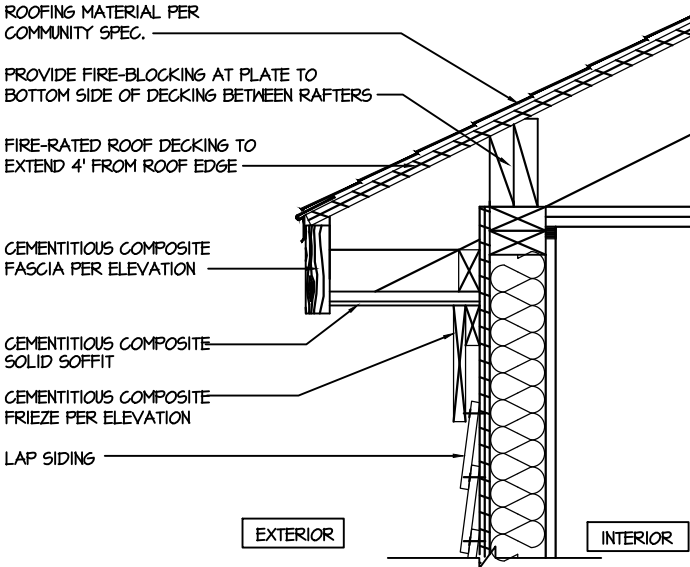
AT 1 HOUR EXTERIOR WALL

## 2 1 Hour Wall

AT EXTERIOR WALL

1 HOUR FIRE-RESISTIVE CONSTRUCTION  
(PROPERTY LINE)

NOTE:  
1. FIREWALL COMPIES WITH UL DESIGN #U364 FOR 1 HR. FIREWALL ASSEMBLY  
GLASS BLOCK IS NOT TO EXCEED 100 SQ. FT.  
60 MIN. FIRE-RATED GLASS BLOCK ONLY



### Eave

AT 1 HOUR EXTERIOR WALL

## 1 1 Hour Wall

AT EXTERIOR WALL

1 HOUR FIRE-RESISTIVE CONSTRUCTION  
(PROPERTY LINE)

tri pointe  
H O M E S

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

Business Operations  
5440 Wade Park Blvd  
Suite 400  
Raleigh, NC 27607

© 2022

DETAILS

SUBDIVISION: ALTIS @ SERENITY  
ADDRESS: 236 STREAMSIDE TER  
LOT: 332

Issue Date: 10-01-24  
Drawn By: ACC

PLAN #:  
5919-03

PLAN NAME:  
OAK HAVEN

SHEET #:  
D1.1

GENERAL STRUCTURAL NOTES
<b>FLOOR FRAMING</b>
<ul style="list-style-type: none"><li>• 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)</li><li>• 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").</li><li>• FLOOR SYSTEMS &amp; 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).</li><li>• AT I-JOIST FLOORS, PROVIDE 1 1/8" MIN. OSB RIM BOARD.</li><li>• METAL HANGERS SHALL BE SPECIFIED BY MANUFACTURER, U.N.O.</li><li>• I-JOIST/TRUSS SHOP DWGS. SHALL BE SUBMITTED TO ARCH. &amp; ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY.</li><li>• 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:<ul style="list-style-type: none"><li>- 2 1/2" x 0.131" NAILS @ 6" O.C. @ PANEL EDGES @ 12" O.C. FIELD.</li><li>- 2 3/8" x 0.120" NAILS @ 4" O.C. @ PANEL EDGES @ 8" O.C. FIELD.</li><li>- 2 3/8" x 0.113" NAILS @ 3" O.C. @ PANEL EDGES @ 6" O.C. IN FIELD.</li></ul></li></ul>
<b>ROOF FRAMING</b>
<ul style="list-style-type: none"><li>• 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.</li><li>• WITHIN 48" OF ALL ROOF EDGES, RIDGES, &amp; HIPS FASTEN ROOF SHEATHING FIELDS PER EDGE NAILING SPEC.</li><li>• 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 &amp; ROOF BEAMS - AT ALL BEARING POINTS.</li><li>• METAL HANGERS SHALL BE SPECIFIED BY THE MANUFACTURER, U.N.O.</li><li>• ROOF TRUSS SHOP DWGS. SHALL BE SUBMITTED TO ARCH &amp; ENG. FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OR DELIVERY.</li><li>• ERECT AND INSTALL ROOF TRUSSES PER ITCA &amp; TP1'S BC51 I "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING &amp; BRACING OF METAL PLATE CONNECTED WOOD TRUSSES."</li><li>• 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).</li></ul>

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 STUD TO PLATE	NAILS @ 4" O.C.	NAILS @ 4" O.C.
RIM TO TOP PLATE	(4) TOENAILS/ (3) END NAILS	(4) TOENAILS/ (4) END NAILS*
BLK'G, BTWN. JOISTS TO TOP PL.	TOENAILS @ 6" O.C.	TOENAILS @ 4" O.C.*
DOUBLE STUD	(3) TOENAILS EA. END	(3) TOENAILS EA. END*
DOUBLE TOP PLATE	NAILS @ 16" O.C.	NAILS @ 16" O.C.
DOUBLE TOP PLATE LAP SPLICE	NAILS @ 12" O.C.	NAILS @ 8" O.C.
TOP PLATE LAP @ CORNERS & INTERSECTING WALLS	(12) NAILS IN LAPPED AREA (24" MIN.)	(15) NAILS IN LAPPED AREA (24" MIN.)
RAFTER/TRUSS TO TOP PLATE	(3) NAILS	(3) NAILS
GAB. END TRUSS TO DBL. TOP PL.	(4) TOENAILS + (1) SIMPSON H2.5T TOENAILS @ 8" O.C.	(4) TOENAILS + (1) SIMPSON H2.5T TOENAILS @ 6" O.C.
R.T. w/ HEEL HT. 9 1/4" TO 12"	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. 12" TO 16"	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. UP TO 24"	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. 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
<b>DESIGN LOADING</b>
<ul style="list-style-type: none"><li>• DESIGN IS BASED ON 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE.</li><li>• WOOD FRAME ENGINEERING IS BASED ON NDS, "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" - LATEST EDITION.</li><li>• DESIGN LOADS:<ul style="list-style-type: none"><li>ROOF SNOW = 15 PSF (12 PSF 6" GROUND SNOW, TRUSSES)</li><li>LIVE = 20 PSF (REDUCIBLE BASED ON ROOF PITCH)</li><li>DEAD = 1 PSF T.C., 10 PSF B.C.</li><li>LOAD DURATION FACTOR = 1.25</li></ul></li><li>FLOOR LIVE = 40 PSF (30 PSF @ SLEEPING AREAS)</li><li>DEAD = 10 PSF (1-JOISTS), 15 PSF (FLOOR TRUSSES)</li><li>ADDL 10 PSF @ CERAMIC TILE IN KITCHEN, SUNROOMS, BATHS, FOYER, LAUND. &amp; MUDRMS</li><li>SOIL 2,000 PSF ASSUMED ALLOWABLE BEARING PRESSURE (TO BE VERIFIED BY BUILDER)</li><li>WIND 115 MPH, EXPOSURE B</li></ul>

### 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=2.0x10<sup>6</sup> psi
- ENGINEERED LUMBER POSTS TO MEET OR EXCEED THE FOLLOWING:
  - LVL' - Fb=2400 psi; FcII=2500 psi; E=1.8x10<sup>6</sup> 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

### HOLD-DOWN SCHEDULE

SYMBOL	SPECIFICATION
▶ HD-1	SIMPSON C516 STRAP TIE W/ 14" END LENGTH
▶ HD-2	SIMPSON M5TC66 STRAP TIE W/ 24" END LENGTH
▶ HD-3	SIMPSON HTT4 HOLD-DOWN *
▶ HD-4	SIMPSON HDU5-SDS2.5 HOLD-DOWN *
▶ HD-5	SIMPSON STHD14RJ HOLD-DOWN *
* UTILIZE SIMPSON "SET-36" EPOXY SYSTEM TO FASTEN 3/8" DIA. THREADED ROD INTO CONCRETE FOUNDATION. PROVIDE 12" MIN. EMBEDMENT INTO CONCRETE. INSTALL PER MANUF. RECOMMENDATIONS. DO NOT LOCATE ANCHORS WITHIN 1 3/4" OF EDGE OF FOUNDATION.	

### 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	L5"x3 1/2"x3/8"
16'-0"	16 FT. MAX	L6"x3 1/2"x3/8"
	12 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 3/4" 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 1/2" VENEER ONLY, SEE PLAN FOR VENEER SUPPORT IF VENEER < 3/8" 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

seal: 5/16/25  
NORTH CAROLINA PROFESSIONAL ENGINEERING SEAL  
017622  
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ENGINEER  
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Mulhern+Kulp project number:

**243-24029**

project mgr: **SMK**  
drawn by: **MEG**  
issue date: **08-14-2024**

#### REVISIONS:

date:	initial:
11/06/2024	SMK
UPDATED MODEL NAME, OPT. EXT. CONV. PORCH, OPT. OFFICE	
12/16/2024	MEM
ADDED CORNER TO ELEV. D	
5/15/2025	JFP
MSG. ARCH. UPDATE	

**tri pointe**  
HOMES

GENERAL NOTES

5919-03 MODEL

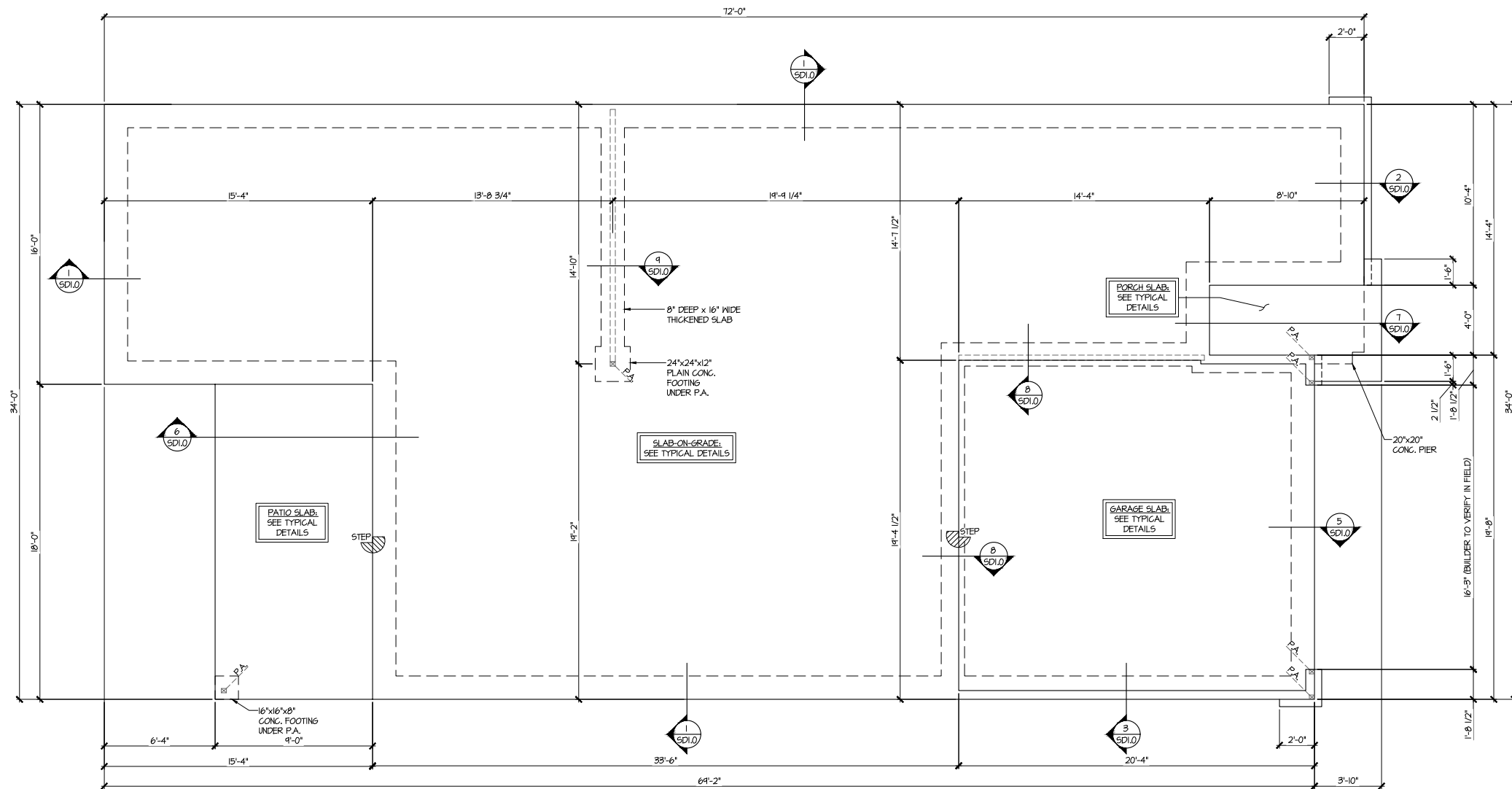
SERENITY  
MASTER SET  
RALEIGH, NC

sheet:

**S0.0**

UNDER 9000 SQFT

GARAGE SIDE WALLS  
MUST BE FIRE RATED



1 SLAB FOUNDATION PLAN  
SCALE: 1/4"=1'-0" (22x24 SHEET)  
1/8"=1'-0" (11x17 SHEET)  
ELEV. D

**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: 5/16/25

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NC License # C-3625

Mulhern+Kulp project number:  
243-24029

project mgr: SMK  
drawn by: MEG  
issue date: 08-14-2024

REVISIONS:

date:	initial:
11/06/2024	SMM
UPDATED MODEL NAME, OPT. EXT. CONV. PORCH, OPT. OFFICE	
12/16/2024	MEM
ADDED DORMER TO ELEV. D	
5/15/2025	JPP
MISC. ARCH. UPDATE	

**tri pointe HOMES**

FOUNDATION PLAN

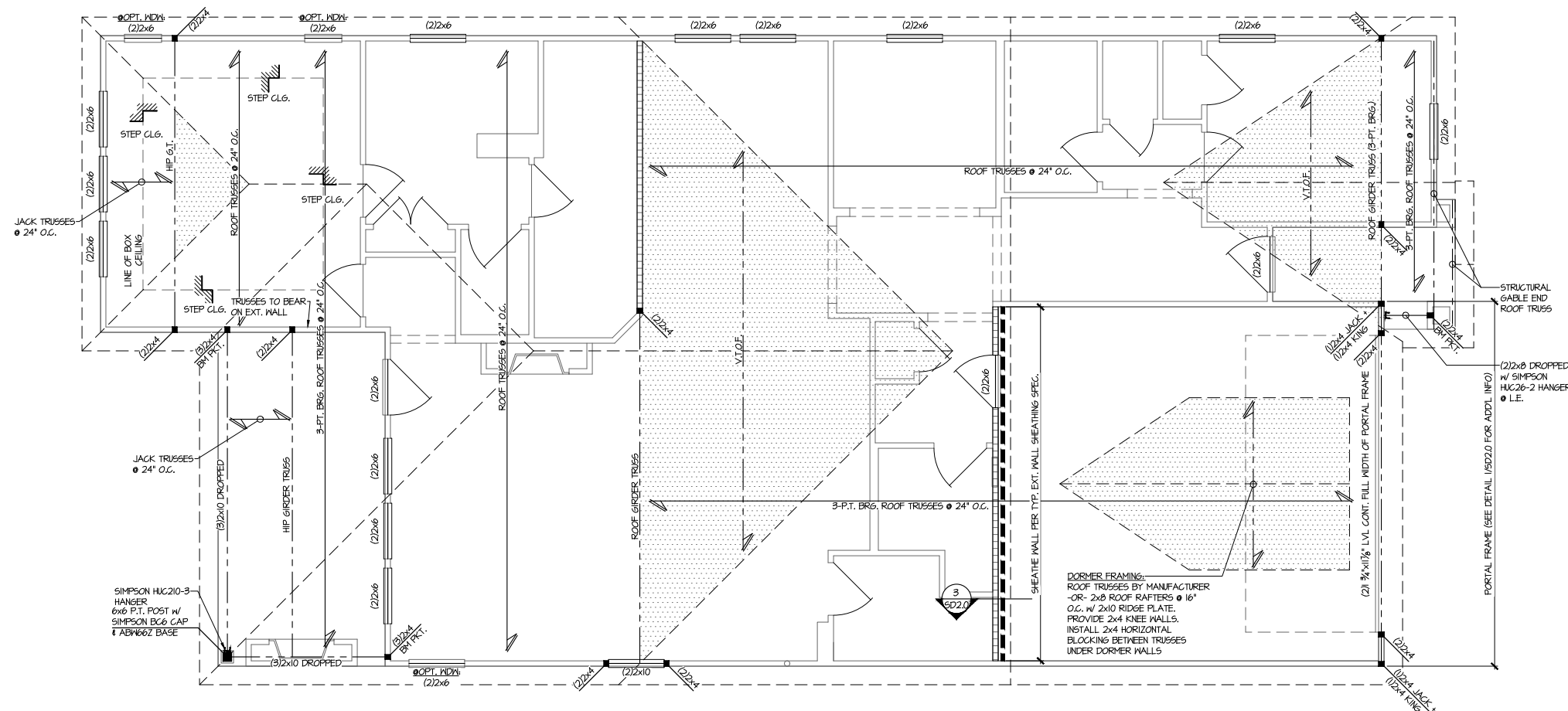
5919-03 MODEL  
SERENITY  
MASTER SET  
RALEIGH, NC

sheet:  
**S1.2**



UNDER 9000 SQFT

GARAGE SIDE WALLS  
MUST BE FIRE RATED



1 ROOF FRAMING PLAN

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

ELEV. D

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: 5/16/25

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REVISIONS:

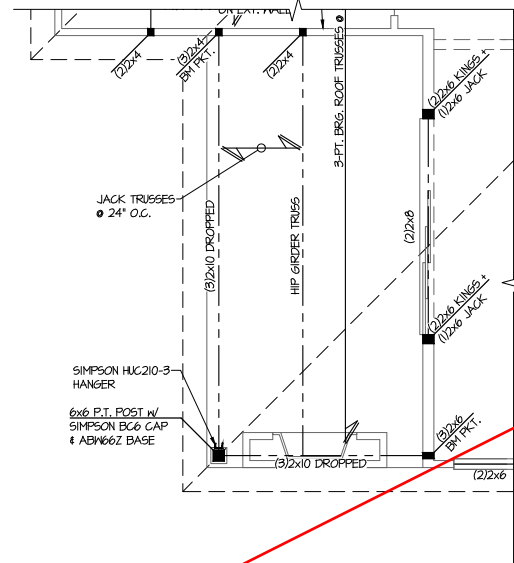
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UPDATED MODEL NAME, OPT. EXT. CONV. PORCH, OPT. OFFICE	
12/16/2024	MEM
ADDED DORMER TO ELEV. D	
5/15/2025	JFP
MISC. ARCH. UPDATE	

tri pointe  
HOMES

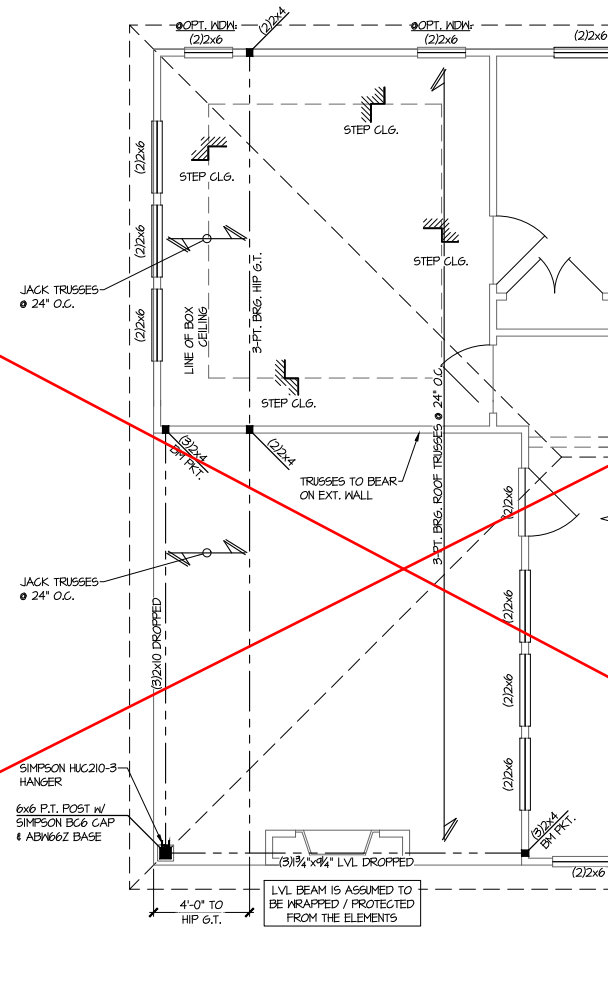
ROOF FRAMING PLAN

5919-03 MODEL  
SERENITY  
MASTER SET  
RALEIGH, NC

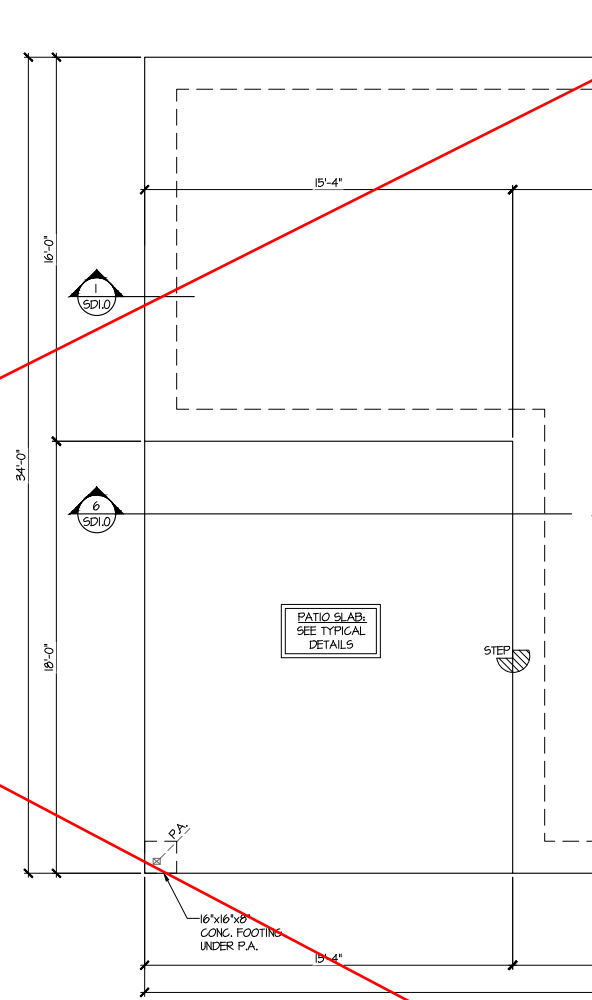
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S2.2



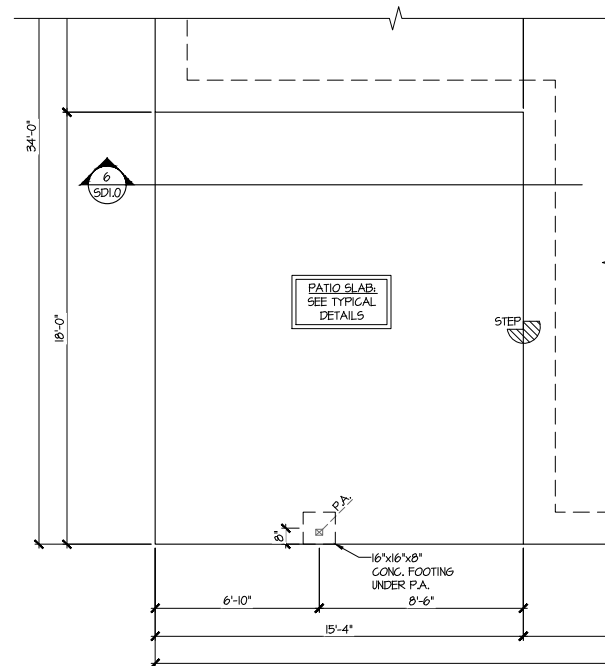
**1** PARTIAL ROOF FRAMING PLAN  
OPT. 9080 MULTI SLIDE DOOR  
SCALE: 1/4"=1'-0" (22x24 SHEET)  
1/8"=1'-0" (11x17 SHEET)  
ELEV. A SHOWN  
ALL ELEV. SIM.



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



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



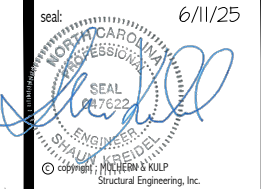
**4** PARTIAL SLAB FOUNDATION PLAN  
OPT. OUTDOOR LIVING PATIO  
SCALE: 1/4"=1'-0" (22x24 SHEET)  
1/8"=1'-0" (11x17 SHEET)  
ELEV. A SHOWN  
ALL ELEV. SIM.

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 HOLDDOWN
⊥	METAL HANGER
*	INDICATES POST ABOVE. PROVIDE SOLID BLOCKING UNDER POST OR JAMB ABOVE.

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

**UNDER 9000 SQFT  
GARAGE SIDE WALLS  
MUST BE FIRE RATED**



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Mulhern + Kulp project number:  
**243-24029**

project mgr: **SMK**  
drawn by: **MEG**  
issue date: **08-14-2024**

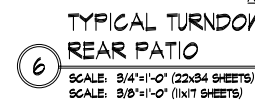
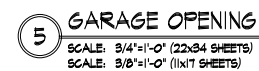
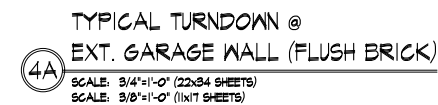
REVISIONS:	
date:	initial:
11/06/2024	SMK
UPDATED MODEL NAME, OPT. EXT. COVD. PORCH, OPT. OFFICE	
12/16/2024	MEM
ADDED DORMER TO ELEV. D	
5/15/2025	JFP
MISC. ARCH. UPDATE	

**tri pointe**  
HOMES

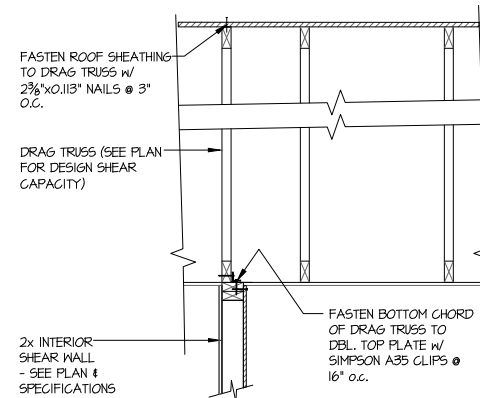
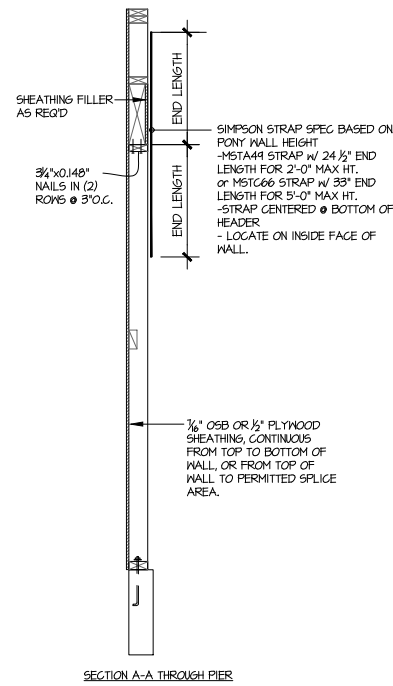
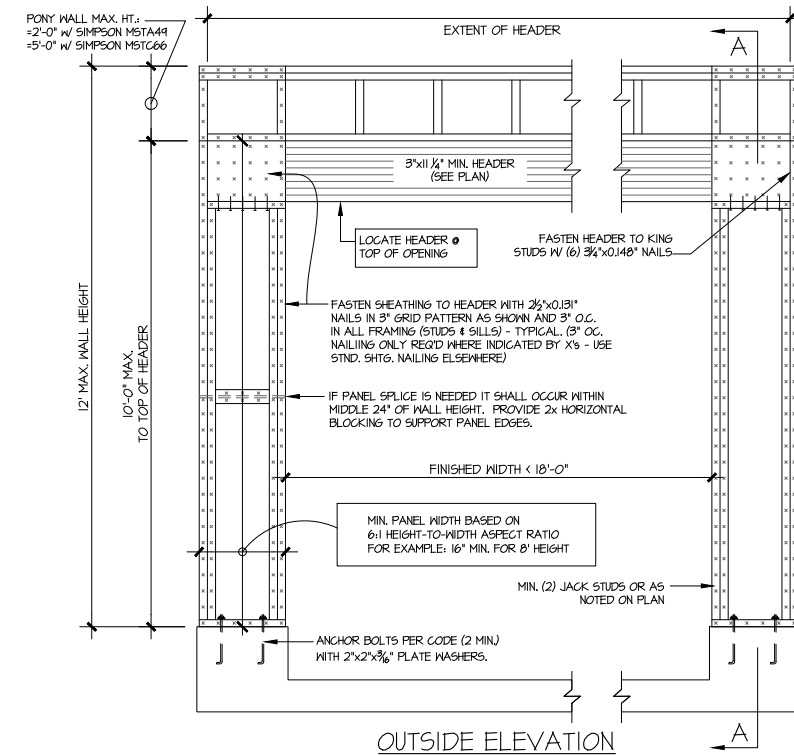
OPTION FRAMING PLANS

**5919-03 MODEL**  
SERENITY  
MASTER SET  
RALEIGH, NC

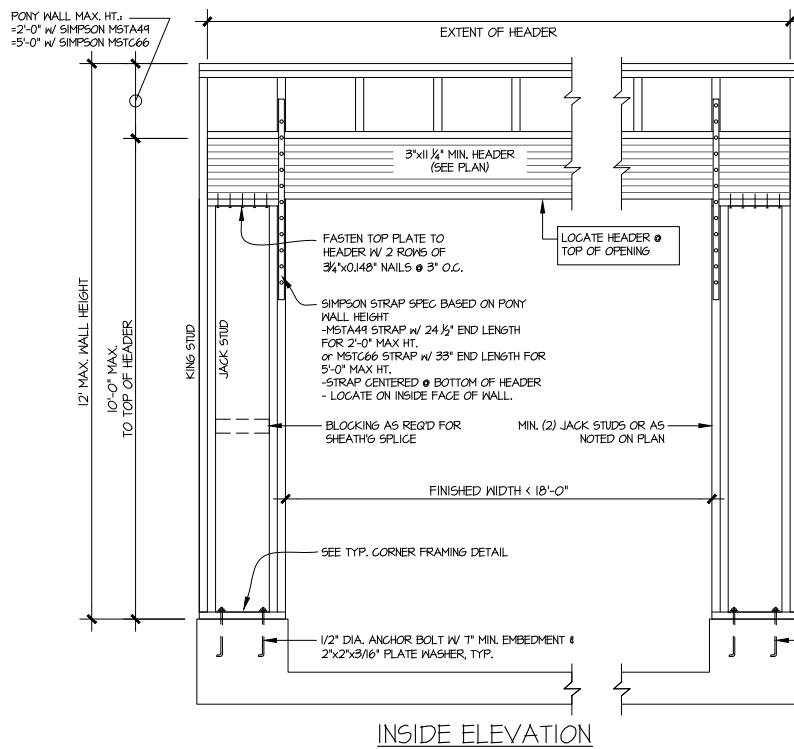
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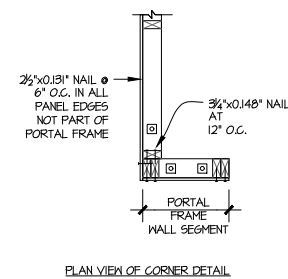


2 INTERIOR DRAG TRUSS DETAIL  
SCALE: 3/4"=1'-0"



NOTE: ALL SHEATHABLE AREAS OF EXTERIOR WALL SHALL BE FULLY SHEATHED WITH 1/2" PLYWOOD OR 1/6" OSB

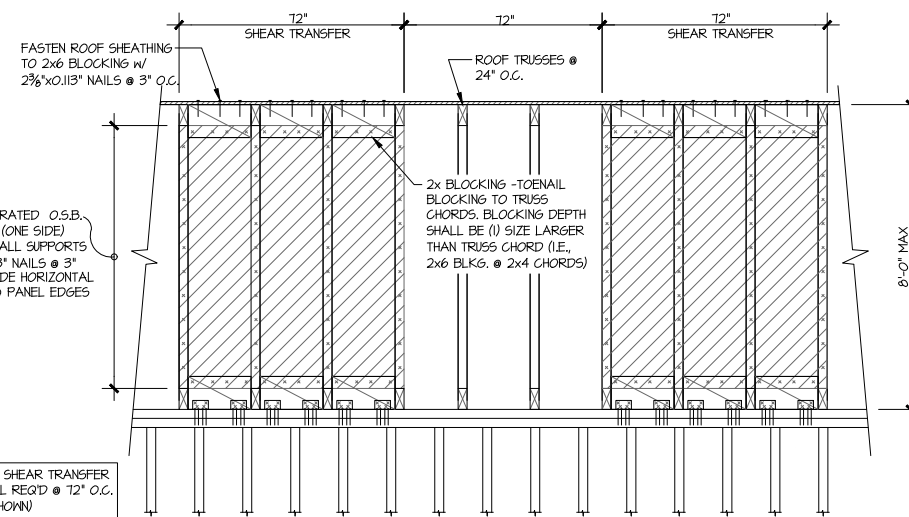
WALL FRAMING SPECIFICATION: USE SPF/SYP STUD GRADE STUDS (OR BETTER)



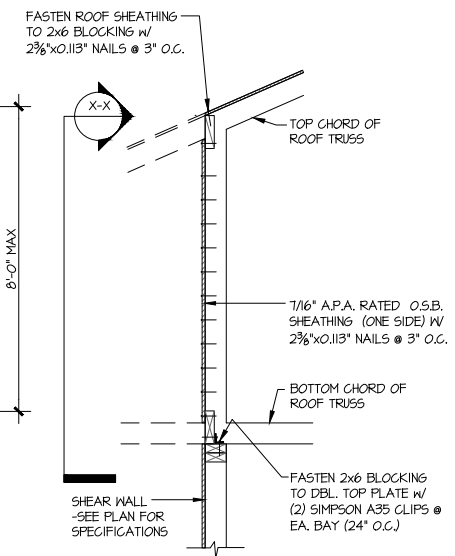
ALTERNATIVES TO 1/2" DIA. ANCHOR BOLT:  
1) 1/2" DIA. x 6" LONG SIMPSON TITEN HD  
2) 1/2" DIA. THREADED ROD EPOXY SET w/ 4 1/2" EMBED. (MIN UTILIZING HILTI HY200 EPOXY ANCHORING SYSTEM (OR EQUAL)

1/16" A.P.A. RATED O.S.B. SHEATHING (ONE SIDE) FASTEN TO ALL SUPPORTS w/ 2 3/8"x0.113" NAILS @ 3" O.C. - PROVIDE HORIZONTAL BLOCKING @ PANEL EDGES

NOTE: SHEAR TRANSFER DETAIL REQ'D @ 12" O.C. (AS SHOWN)



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



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

1 GARAGE PORTAL FRAME BRACING ELEVATION  
SCALE: N.T.S.  
BOTH SIDES OF GARAGE DOOR  
115 MPH WIND SPEED (ULT)

seal: 5/16/25  
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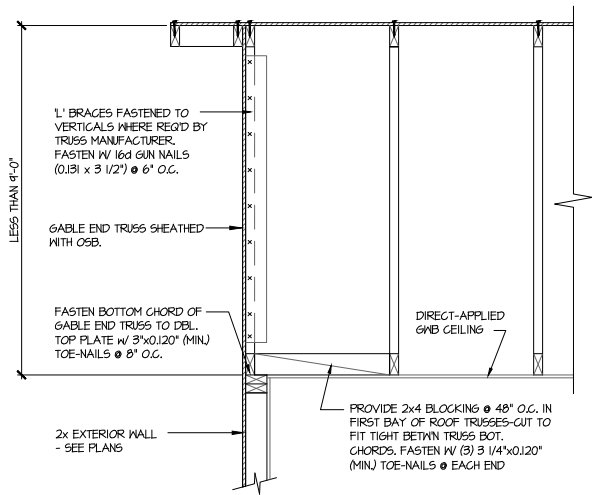
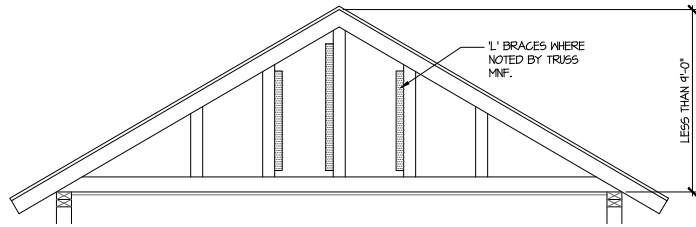
project mgr: SMK  
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date: initial:  
11/06/2024 SMM  
UPDATED MODEL NAME, OPT. EXT. CONV. PORCH, OPT. OFFICE  
12/16/2024 MEM  
ADDED CORNER TO ELEV. D  
5/15/2025 JFP  
MEG, ARCH. UPDATE

tri pointe  
HOMES

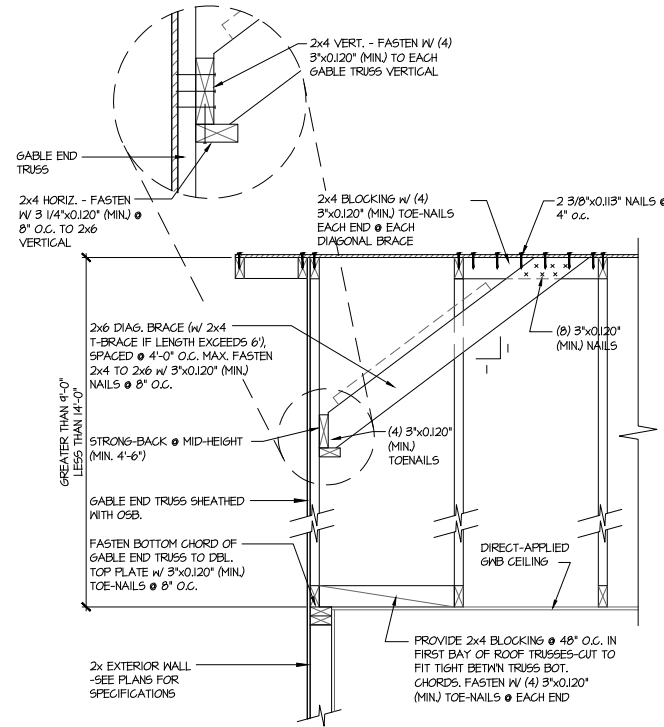
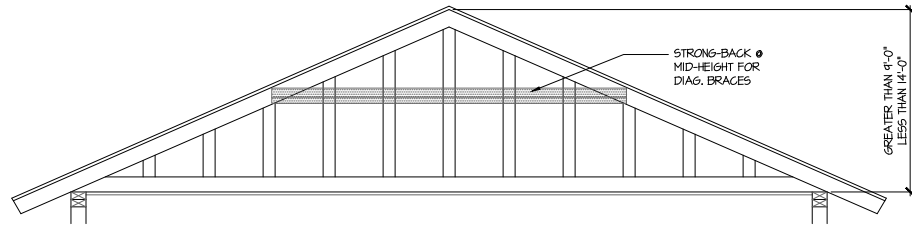
FRAMING DETAILS  
5919-03 MODEL  
SERENITY  
MASTER SET  
RALEIGH, NC

sheet:  
SD2.0



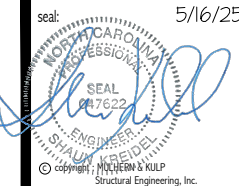
**A** TYPICAL GABLE END BRACING DETAIL  
SCALE: NONE  
REQ'D @ GABLE END TRUSS  
HEIGHT UP TO 9'-0"

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"

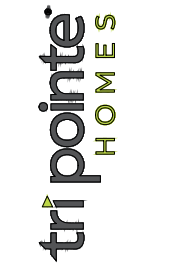
BRACE GABLE END TRUSSES PER ABOVE DETAIL WHEN GABLE HEIGHT EXCEEDS 9'-0". 1" BRACES NOT REQUIRED.



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ADDED DORMER TO ELEV. D	
5/15/2025	JPP
MSG. ARCH. UPDATE	



FRAMING DETAILS  
5919-03 MODEL  
SERENITY  
MASTER SET  
RALEIGH, NC

sheet:  
**SD2.1**