

D:\CAVINESS AND CATES\Caviness and Cates\CC 2058-NEW PLAN\LOT SPECIFIC\DUK LANDING 246\DU79 F GR\DU79 CC2058F GR 246 CONSTRUCTION SET 7-16-25.dwg, 7/23/2025 9:29:52 AM, 1:1

FIELD NOTES

LIST OF ABBREVIATIONS

ACCESS	ACCESS TO ATTIC OR CRAWL SPACE	DN	DISH WASHER	PKT	POCKET DOOR	TEMP	TEMPERED GLASS
AFF	ABOVE FLOOR	EQ	EQUAL	PERF	PERFORATED	TOW	TOP OF WALL
ASL	ABOVE SEA LEVEL	FDN	FOUNDATION	PL	PLATE	TRANS	TRANSOM
BD	BOARD	FLR	FLOOR	PT	PRESSURE TREATED FOR EXPOSURE	TYP	TYPICAL
BDRM	BEDROOM	GL	GLASS (DOOR)	PL	POINT LOAD (SOLID BLOCK)	UON	UNLESS OTHERWISE NOTED
BM	BEAM	HB	HOSE BIB	R4S	ROD & SHELF (CLOSETS)	V.B.	VAPOR BARRIER
CAB	CABINETS / CABINETRY	HDR	DOOR / WINDOW / OPENING HEADER	REF	REFRIGERATOR	VAN	VANITY
C.J	CONTROL JOINT	HJL	WATER/ELECTRICAL HOOK UPS	REINF	REINFORCEMENT	W	WIDE
CL	CENTERLINE	HVAC	HEATING, VENTING & AIR CONDITION	RH	ROOM	W/	WITH
CMU	CONCRETE MASONRY UNIT	KHALL	KNEEWALL	SEG	SEGMENTED	WP	WATER PROOF
CO	CLEAR OPENING	LVL	LAMINATED VENEER LUMBER	SHWR	SHOWER	MV	MAIN WATER VALVE SHUTOFF
COL	COLUMN	MANF	MANUFACTURED	SHLV(S)	SHELVE(S)	#SP	NUMBER OF STUD POCKETS @ WINDOW/DOOR JAMB
CONC	CONCRETE	MAS	MASONRY	SPEC(D)	SPECIFICATION / SPECIFIED		
CSMT	CASEMENT	NIC	NOT IN CONTRACT	SQ	SQUARE		
DBL	DOUBLE	OC	ON CENTER	SS	STAINLESS STEEL		
DIAM	DIAMETER	OH	OVERHANG	SST	SIMPSON STRONG-TIE OR EQUAL		
DH/SH	DOUBLE HUNG / SINGLE HUNG WINDOW	OPNG	OPENING	SUBFLR	SUB-FLOOR		
DN	DOWN	OFT	OPTIONAL	SYP	SOUTHERN YELLOW PINE		
DP	DEEP						

SUMMARY

PROJECT INFO	
NAME OF PROJECT:	LOT 14 DUCKS LANDING / CC 2058F
PROJECT ADDRESS:	402 BLACK DUCK LANE
PROPOSED USE:	RESIDENTIAL
CONTACT:	CAVINESS & CATES, INC
CODE COMPLIANCE:	
MUNICIPALITY:	2018 NC STATE RESIDENTIAL BUILDING CODE
GAS COMMUNITY:	HARNETT COUNTY
DESIGNER:	NO
	TODD TUCKER, AIBD, CPED 910-366-2636
SPACE DATA:	
FIRST FLOOR:	903 SF
SECOND FLOOR:	1155 SF
TOTAL HEATED:	2058 SF
FRONT PORCH:	106 SF
GARAGE:	435 SF
TOTAL UNDER ROOF:	2594 SF

OVERALL BUILDING HEIGHT 31'-2" WITH CRAWL FOUNDATION

DESIGN LOADS

ROOF LOADS:	20 PSF LIVE, 20 PSF DEAD
ATTIC LOADS:	20 PSF LIVE, WHERE INDICATED (SEE TRUSS DWGS)
FIRST FLOOR:	40 PSF LIVE, 10 PSF DEAD
UPPER FLOORS:	30 PSF LIVE, 15 PSF DEAD
WIND LOAD:	FOR ASCE 7-10, RISK CATEGORY II, EXPOSURE "B", 120 mph
ALL GARAGE PORTAL WALLS TO BE FRAMED WITH 2x6 STUDS	

ATTIC VENT CALCULATIONS R206

FRONT PORCH ATTIC AREA: 106 SF R206.2 EXCEPTIONS 1 & 2	SECOND FLOOR ATTIC AREA: 1330 S.F. RIDGE VENTS*: 14 L.F. / 10 S.F. (67%) SOFFIT VENT*: 88 L.F. / 5 S.F. (33%) RATIO: $\frac{15}{1330} = \frac{1}{90}$
REAR PORCH ATTIC AREA: 120 SF R206.2 EXCEPTIONS 1 & 2	

* CALCS BASED ON VENT FREE AREA OF 10 S.I., FOR RIDGE & 9 S.I. FOR SOFFIT (PLF)

FOUNDATION NOTES

- CRAWL SPACE GRADE MINIMUM 12" BELOW GIRDER / 10" BELOW JOISTS
- PROVIDE VAPOR BARRIER FOR CRAWL SPACE
- FIELD-LOCATE CRAWL SPACE ACCESS, SIZED PER CODE
- USE 16"x8" VENT WITH MINIMUM 60" NET FREE AREA (AIR-VENT, INC OR EQUAL)

FOUNDATION VENT CALCULATIONS R408

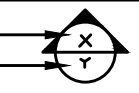

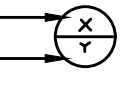
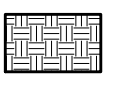

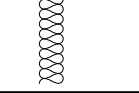
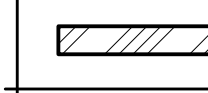
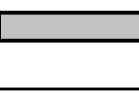
CRAWL SPACE AREA: 102 SF
1 SQUARE FOOT OF VENT PER 1500 SF OF FOUNDATION AREA*
INSTALL VENT WITH MINIMUM OF 60 SQUARE INCHES NET FREE AREA
$102 / 1500 = 0.6$ TOTAL SQUARE FEET OR MINIMUM 2 VENTS PLUS VENTS @ CORNERS

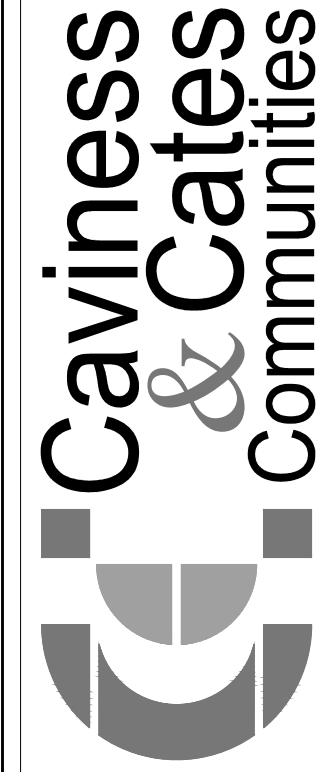
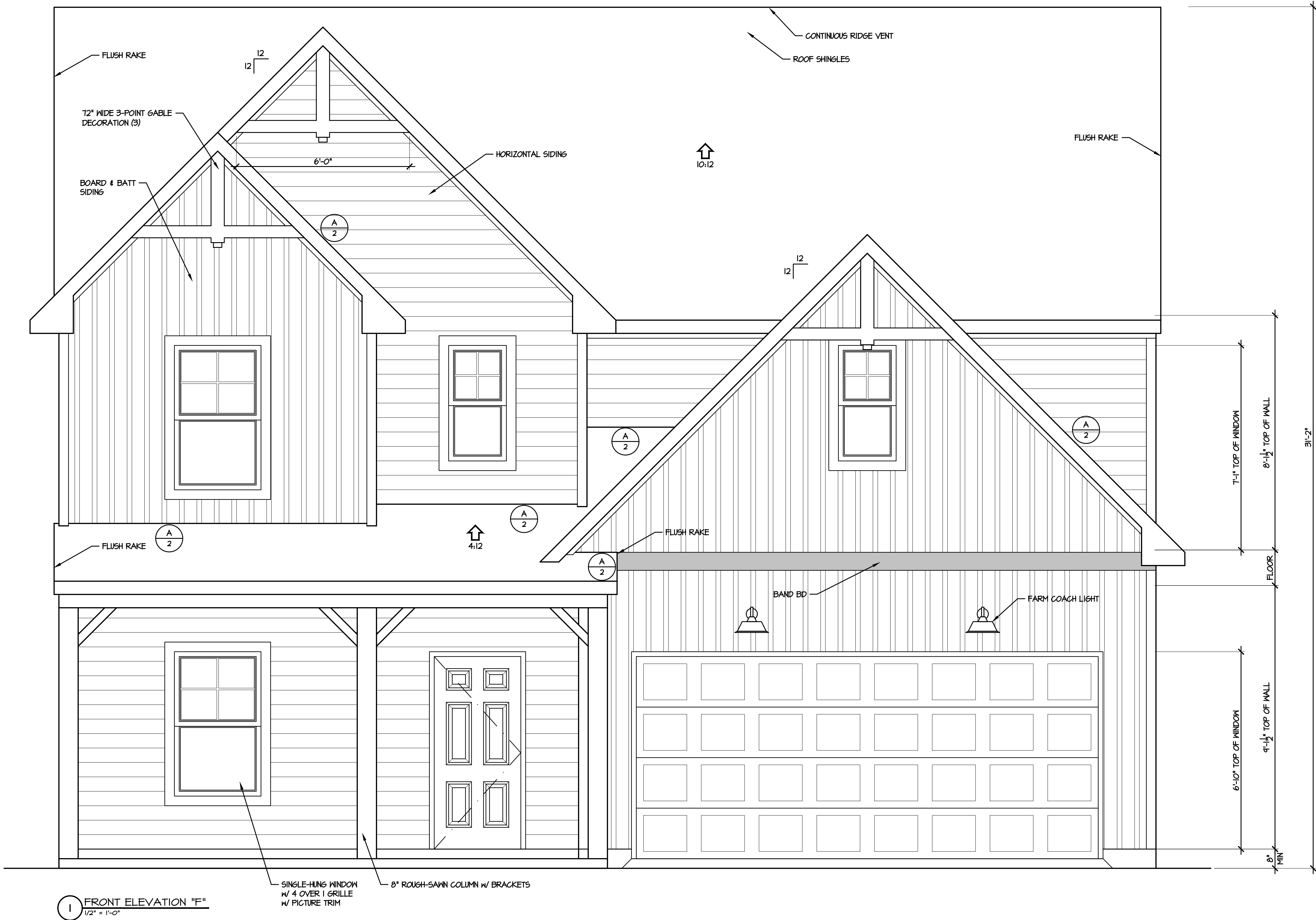
* CALCS BASED ON USING A VAPOR RETARDER & INSTALLING A VENT WITHIN 36" OF EA CORNER

ENERGY COMPLIANCE (CHAPTER ELEVEN)

CLIMATE ZONE:	4A HARNETT COUNTY
CHAPTER II ENERGY EFFICIENCY COMPLIANCE (CHECK ONE)	
<input checked="" type="checkbox"/> PRESCRIPTIVE CODE	
<input type="checkbox"/> PERFORMANCE	
CEILING INSULATION:	R30
WALL INSULATION:	R15 FOR ZONE 3 / R14 FOR ZONE 4
FLOOR INSULATION:	R14 FOR CRAWL SPACE / R10 FOR SLAB

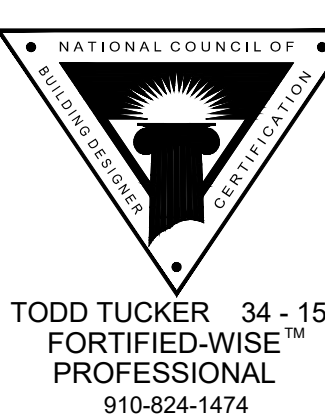
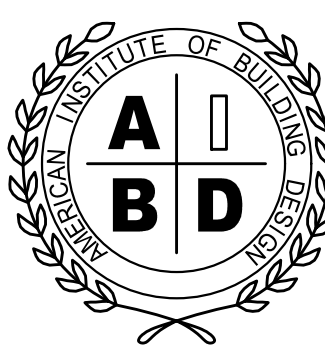
LIST OF SYMBOLS

SECTION SHEET 	SECTION MARK		SLOPE UP PITCH
SECTION SHEET 	DETAIL MARK		EARTH
	TITLE MARK		INSULATION
	INTERIOR BEARING WALL		STANDARD WALL



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PLAN NAME/NUMBER:
CC2058

SHEET TITLE:
FRONT ELEVATION / DATA

PLAN NO:
CC2058

DATE:
SEPTEMBER 2024

REVISIONS:

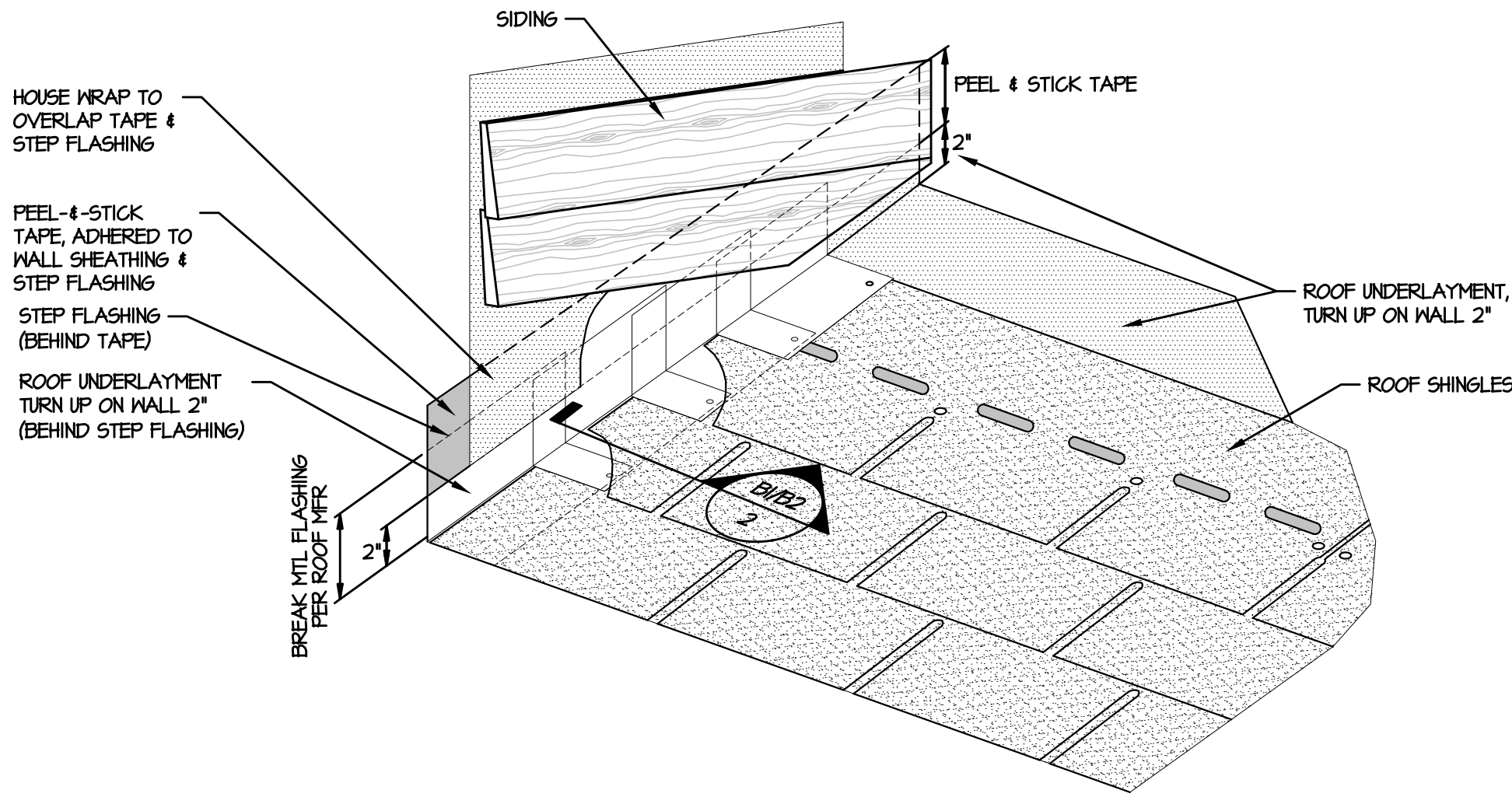
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LOT DU79

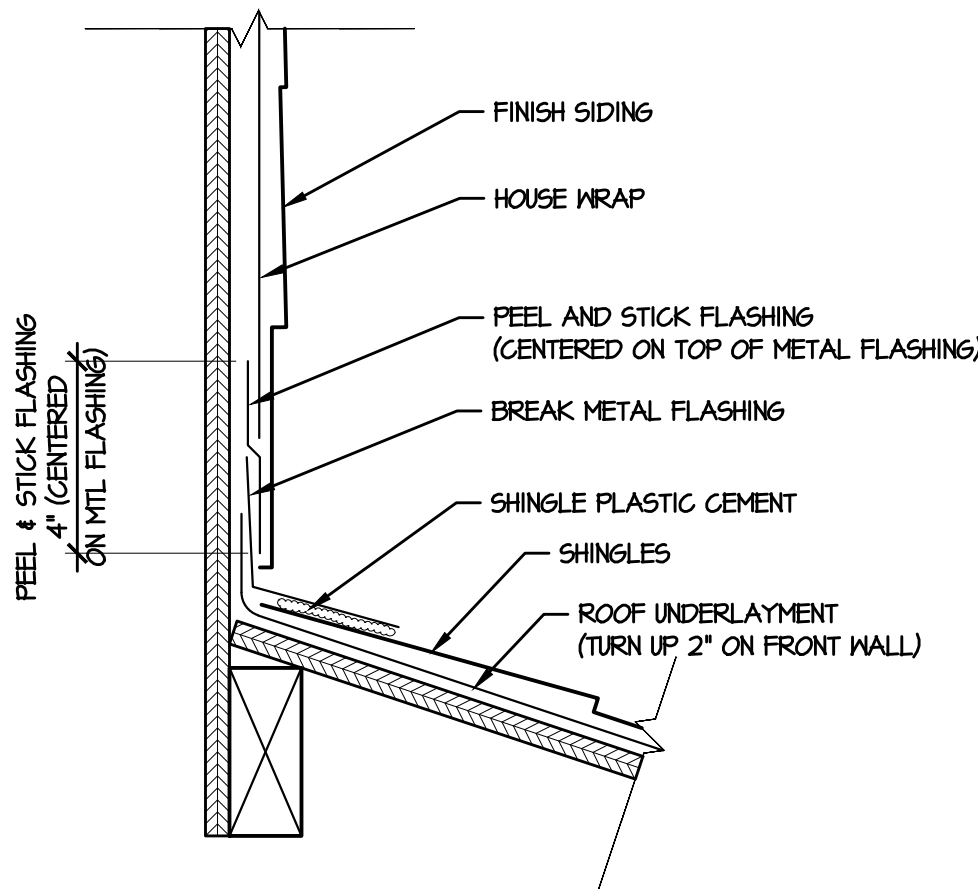
CONSTRUCTION SET 7-16-2025

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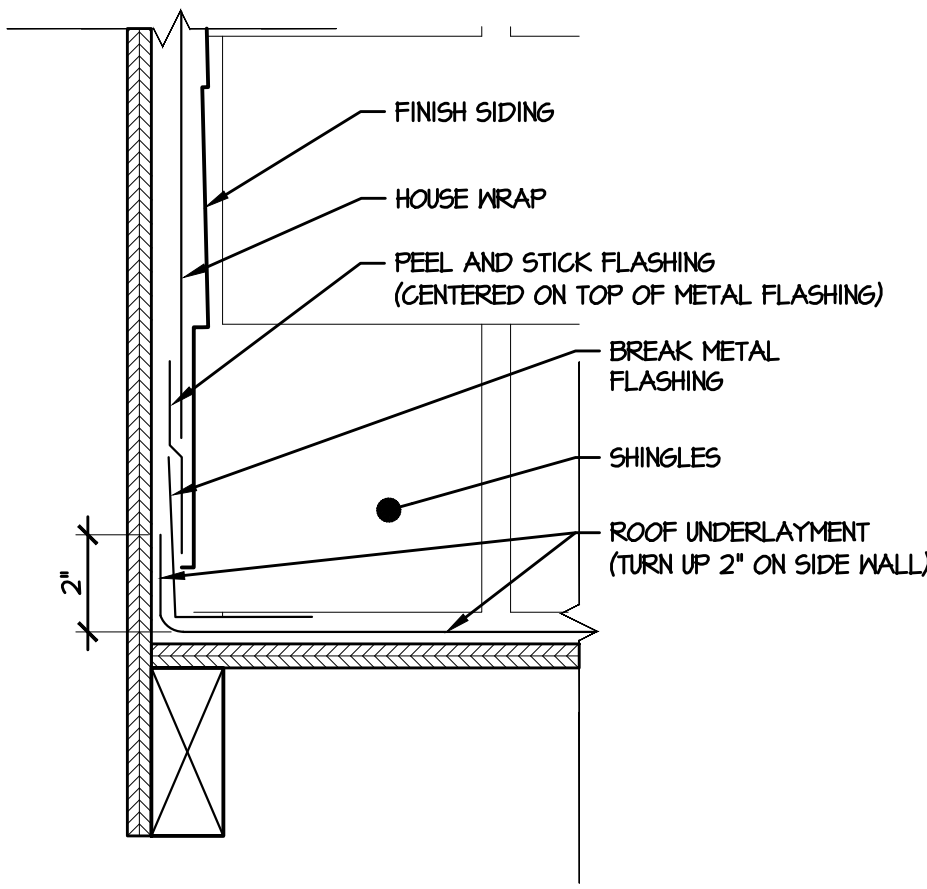
FIELD NOTES



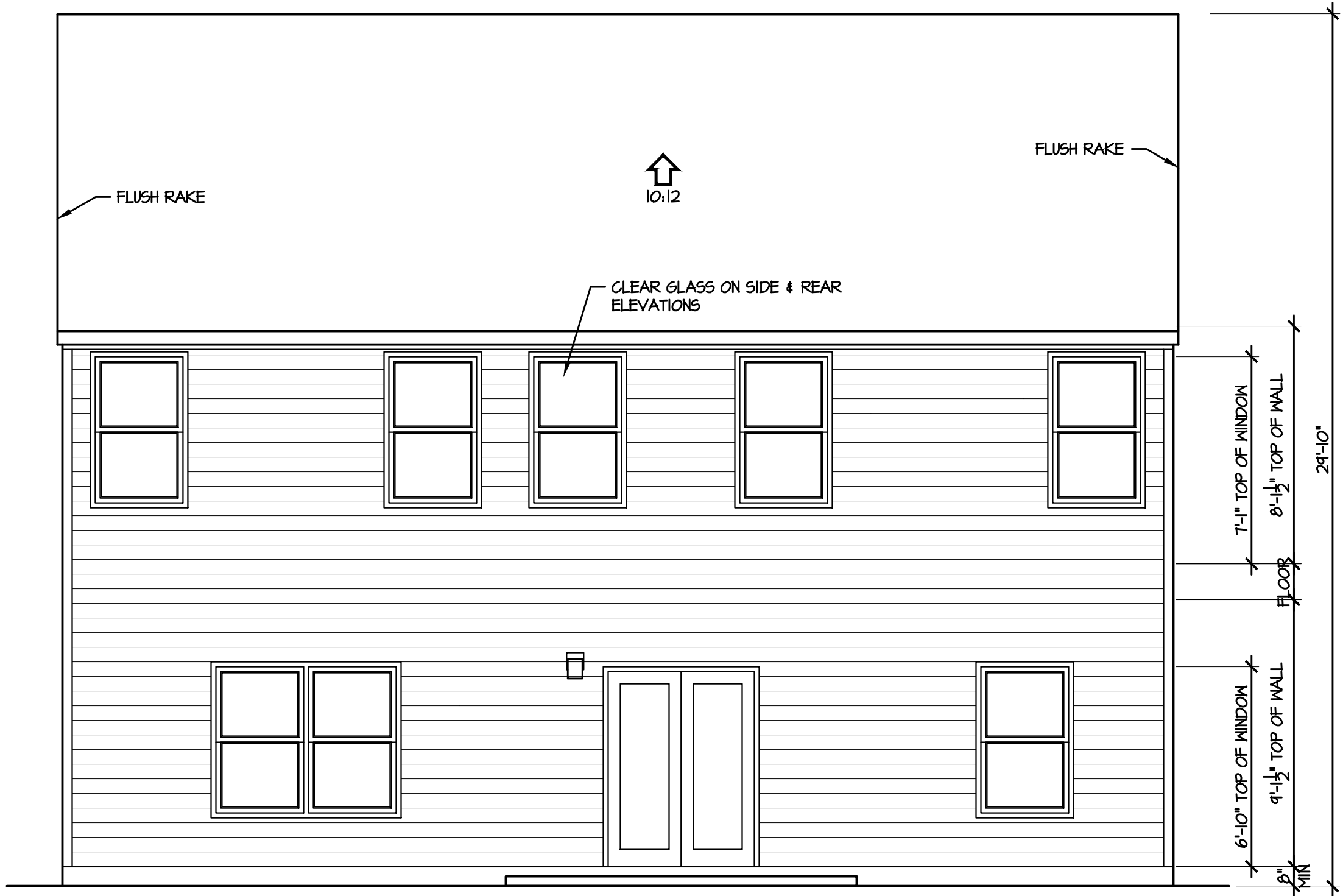
A ROOF-TO-WALL FLASHING DETAIL
NOT TO SCALE (FOR ALL ROOF/WALL TRANSITIONS)



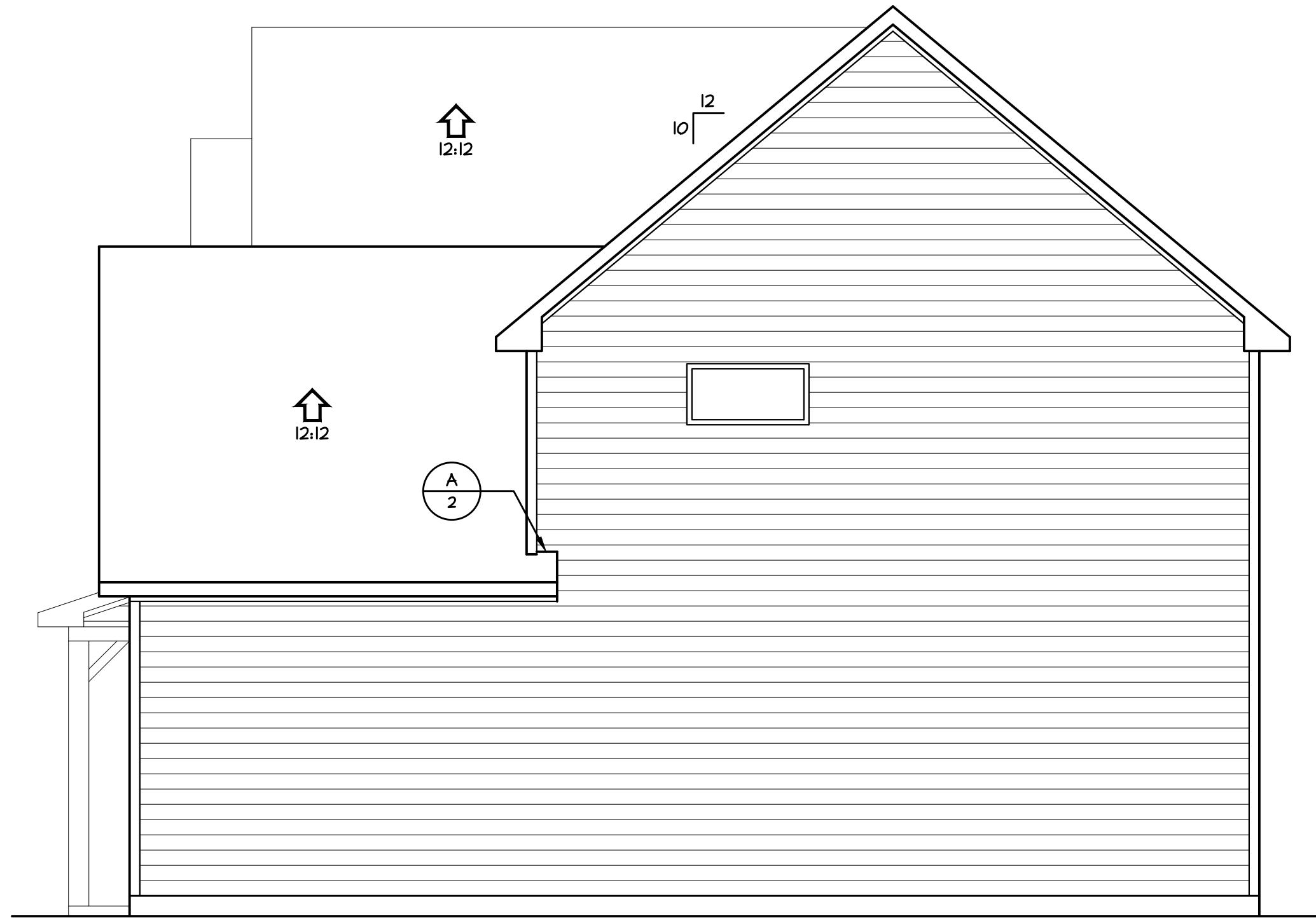
B1 FRONT WALL FLASHING
3" = 1'-0" (SECTION)



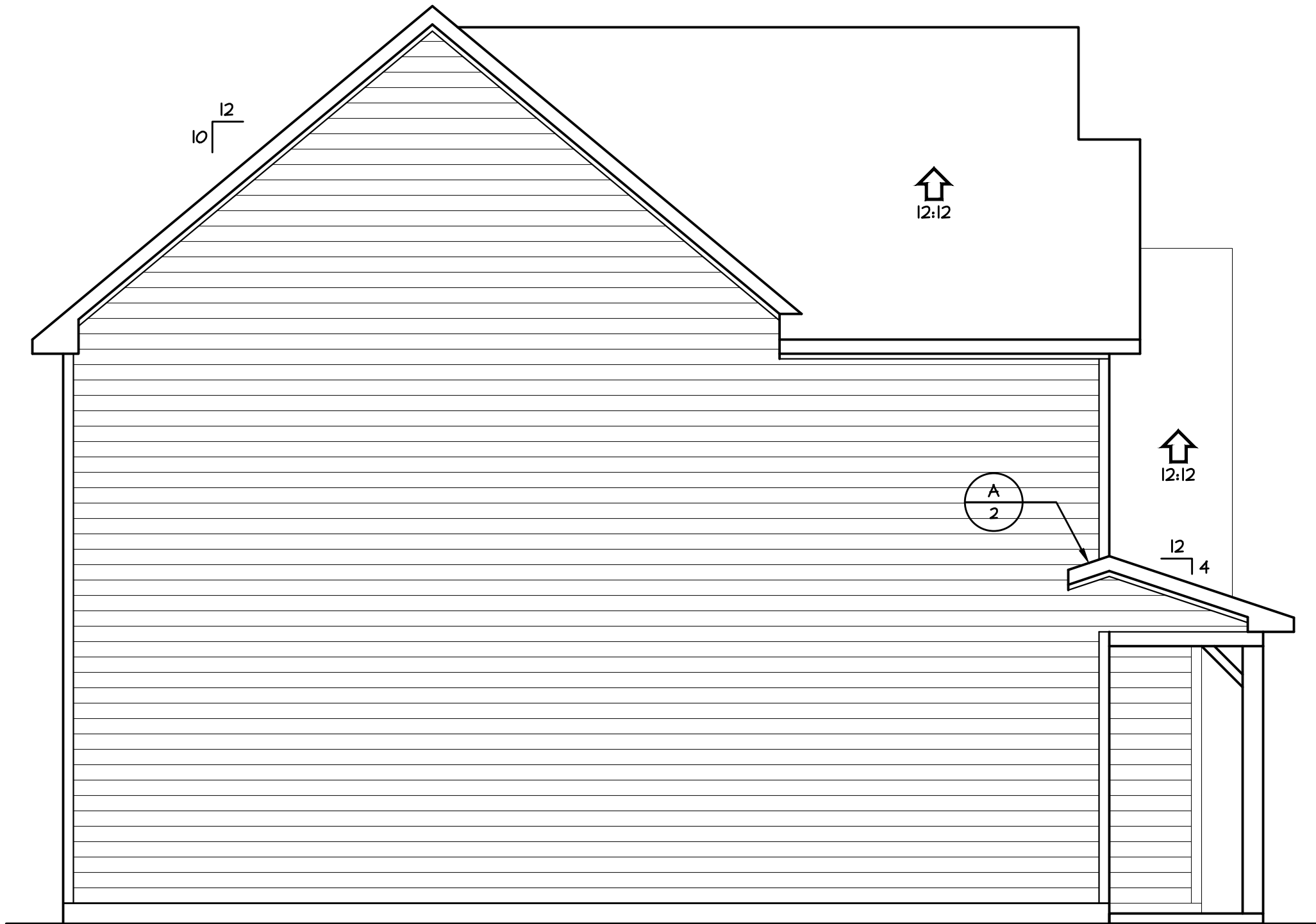
B2 SIDE WALL FLASHING
3" = 1'-0" (SECTION)



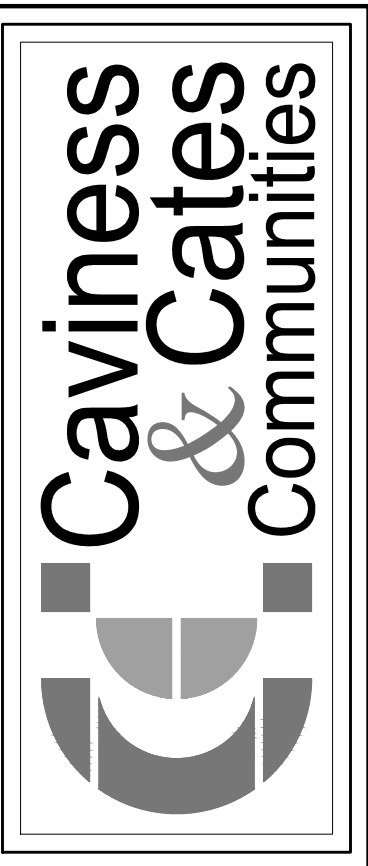
3 REAR ELEVATION
1/4" = 1'-0"



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

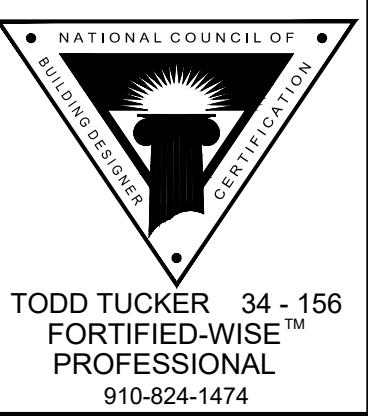
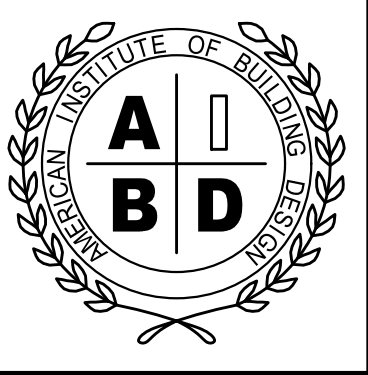


2 RIGHT ELEVATION
1/4" = 1'-0"



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PLAN NUMBER:
CC2058

SHEET TITLE:
ELEVATIONS / ROOF DETAILS

PLAN NO:
CC2058

DATE:
SEPTEMBER 2024

REVISIONS:	

SHEET NO:

2
LOT DU79

J.S. THOMPSON
ENGINEERING, INC.
333 EAST SIXTH ROAD, SUITE 180 RALEIGH, NC 27609
919.876.0000 FAX 919.876.0001

CC 2058
CAVINESS & CATES

S-1a
CRAWL
FOUNDATION PLAN

1. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS; ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL QUALITY, INCLUDING ROOF PITCHES.
2. STRUCTURAL SECTION FOR NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
3. INSTALL 1/2" AND/OR BOLTS 6"-8" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER.
4. MINOR BOLTS MUST EXTEND A MINIMUM OF 7" INTO THE CONCRETE SLAB TO PLATE BOLT AND MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
5. EXTERIOR WALLS DESIGNED FOR 120 MPH WINDS SHALL BE CONSIDERED FOR +1.5 PSF AND -20 PSF (+/- INDICATE POSITIVE / NEGATIVE PRESSURE) TYPING.
6. ROOF CLADDING DESIGNED FOR +14.2 PSF AND -16 PSF AND FOR ROOF PITCHES 7/12 TO 12/12 AND +10 PSF AND -36 PSF FOR ROOF PITCHED 2.25/12 TO 7/12.
7. INSTALL 7/16" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STORIES IN ACCORDANCE WITH SECTION 602.10.3 OF THE NRC, 2018 EDITION.
8. SEE WALL CLADDING NOTES AND DETAILS SHEET FOR MORE INFORMATION.
9. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NRC, 2018 EDITION.
10. REPAIR AND REPAIR AND REPAIR FOR ADDITIONAL STRUCTURAL INFORMATION.

1. ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS; ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEMS.
2. STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION WITH SPECIAL CONSIDERATION TO CHAPTER 45 ("HIGH WIND ZONES" FOR 150 MPH WINDS).
3. BUILDER IS TO PROVIDE FRAMING CONNECTIONS AS REQUIRED BY CHAPTER 45 ("HIGH WIND ZONES") FOR 150 MPH WINDS OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
4. FOUNDATION ANCHORAGE TO COMPLY WITH SECTION 4504 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
5. MEAN ROOF RISE IS LESS THAN 30 FEET.
WIND DESIGN CATEGORY IS DOR-243 PSF AND -32 PSF (+/-) INDICATE POSITIVE / NEGATIVE PRESSURE (TYP).
6. ROOF CLADDING DESIGN FOR +22.2 PSF AND -28 PSF FOR ROOF PITCHES 7/12 TO 12/12 AND +14 PSF AND -57 PSF FOR ROOF PITCHED 2.5/12 TO 7/12.
7. WIND URBAN SUB CATEGORY IS REQUIRED ON ALL EXTERIOR WALLS.
8. WALLS TO BE BRACED IN ACCORDANCE WITH SECTION 602.01.2 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION AND AS NOTED ON PLANS.
9. ENERGY EFFICIENCY COMING AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NCRC, 2018 EDITION.

1. ALL FRAMING LUMBER TO BE #2 SPF (UNO). ALL TREATED LUMBER TO BE #2 SYP (UNO).
2. INSTALL AN EXTRA OR DOUBLE JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS WHERE NOTED ON THE PLANS.
3. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION.
4. SHADED PIERS TO BE FILLED SOLID.
5. INSTALL LADDER WIRE @ 16" O.C. TO SECURE MULTIPLE WYTHE FOUNDATION WALLS TOGETHER.
6. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

LEGEND	
CONT	CONTINUOUS
XJ	EXTRA JOIST
DJ	DOUBLE JOIST
TJ	TRIPLE JOIST
EA	EACH
FDN	FOUNDATION
FTG	FOOTING
OC	ON CENTER
SPF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TRTD	PRESSURE TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

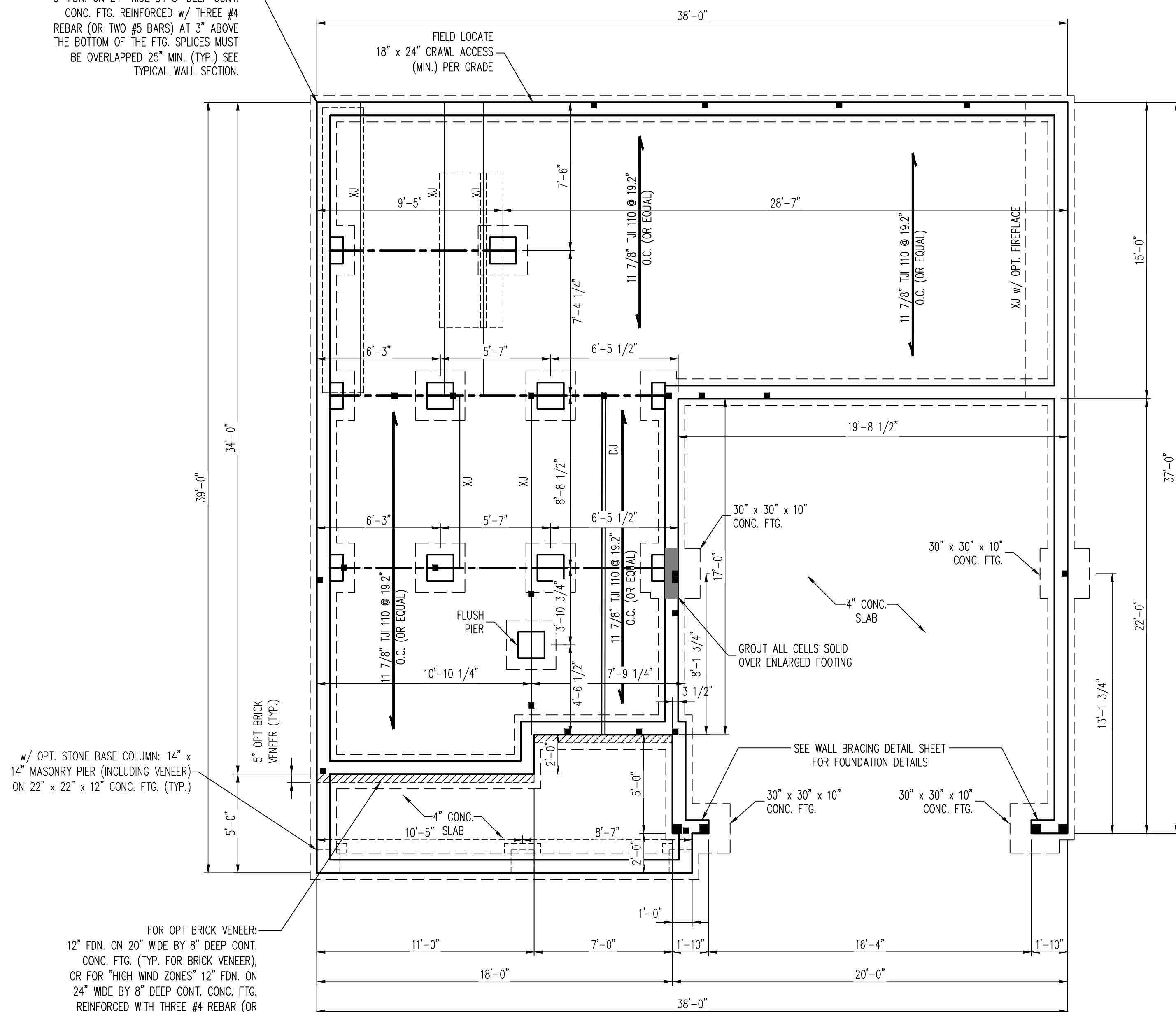
ENGINEERED BY: JAG

NOTE: BCI 4500s-1.8 JOISTS
MAY BE INSTALLED IN LIEU OF
TJI 110 JOISTS AT THE DEPTH
AND SPACING INDICATED ON
THE PLAN

NOTE: BCI 4500s-1.8 JOISTS
MAY BE INSTALLED IN LIEU OF
TJI 110 JOISTS AT THE DEPTH
AND SPACING INDICATED ON
THE PLAN

w/ OPT. STONE BASE COLUMN: 14" x
14" MASONRY PIER (INCLUDING VENEER)
ON 22" x 22" x 12" CONC. FTG. (TYP.)

FOR OPT BRICK VENEER:
12" FDN. ON 20" WIDE BY 8" DEEP CONT.
CONC. FTG. (TYP. FOR BRICK VENEER),
OR FOR "HIGH WIND ZONES" 12" FDN. ON
24" WIDE BY 8" DEEP CONT. CONC. FTG.
REINFORCED WITH THREE #4 REBAR (OR
TWO #5 BARS) AT 3" ABOVE THE BOTTOM
OF THE FTG. SPLICES MUST BE OVERLAPPED
25" MIN. (TYP.) SEE TYPICAL WALL SECTION.



LINTEL SCHEDULE FOR BRICK/NATURAL STONE SUPPORT	
LENGTH (FT.)	SIZE OF LINTEL
UP TO 4 FT.	L 3 1/2 x 3 1/2 x 1/4
4-8	L 5 x 3 1/2 x 5/16 LLV
8 AND GREATER	L 6 x 4 x 5/16 LLV

BRICK SUPPORT NOTES:

- LINTEL SCHEDULE APPLIES TO ALL OPENINGS IN BRICK VENEER (UNO). SEE ARCH DWGS. FOR SIZE AND LOCATION OF OPENINGS.
- (LLV) = LONG LEG VERTICAL
- LENGTH = CLEAR OPENING
- EMBED ALL ANGLE IRONS MIN. 4" EACH SIDE INTO VENEER TO PROVIDE BEARING.
- FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, ATTACH STEEL ANGLE TO HEADER W/ 1/2" LAG SCREWS @ 12" O.C. STAGGERED.
- FOR ALL BRICK SUPPORT @ ROOF LINES, FASTEN (2) 2 x 10 BLOCKING BETWEEN STUDS W/ (4) 12d NAILS PER PLY. FASTEN A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING W/ (2) 1/2" LAG SCREWS @ 12" O.C. STAGGERED. SEE SECTION R703.8.2.1 OF THE 2018 NRC FOR ADDITIONAL BRICK SUPPORT INFORMATION.
- PRECAST REINFORCED CONCRETE LINTELS ENGINEERED BY OTHERS MAY BE USED IN LIEU OF STEEL LINTELS.

BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R602.10.5 "WALL BRACING BY ENGINEERED DESIGN" OF THE NRC 2018 EDITION USING BRACING MATERIALS AND METHODS LISTED IN TABLE R602.10.1 ALONG WITH ALTERNATIVE MATERIALS AND METHODS THAT COMPLY WITH ACCEPTED ENGINEERING PRACTICE. BRACED WALL DESIGN IS NOT PRESCRIPTIVE.
- SHEATH ALL EXTERIOR WALLS W/ 7/16" OSB TO PROVIDE CS-WSP WALL BRACING THAT WILL BRACE THE STRUCTURE FOR ALL LATERAL LOADS AS REQUIRED BY THE NRC 2018 EDITION.
- CS-WSP REFERS TO "CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANELS." CONTRACTOR IS TO INSTALL 7/16" OSB ON ALL EXTERIOR WALLS ATTACHED W/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
- GB REFERS TO "GYPSUM BOARD." CONTRACTOR IS TO INSTALL 1/2" (MIN.) GYPSUM BOARD ON BOTH SIDES OF WALL WHERE NOTED ON THE PLANS ATTACHED WITH 1 1/4" LONG #6 SCREWS OR 1 5/8" LONG 5d COOLER NAILS SPACED 7" O.C. ALONG PANEL EDGES AND IN THE FIELD.
- BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH. FOR HIGH WIND ZONES, BRACED WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NRC 2018 EDITION.
- SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE #2 SPF (UNO).
- ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
- WINDOW AND DOOR HEADERS TO BE SUPPORTED W/ (1) JACK STUD AND (1) KING STUD EA. END (UNO.). SEE TABLE R602.7.5 FOR ADDITIONAL KING STUD REQUIREMENTS.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO ORDER OR FOUNDATION. SQUARES TO BE (2) STUDS (UNO).
- FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 7/16" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
- FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROWS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 12" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH.
- SPECIFIED SIMPSON STRONG-TIE PRODUCTS MAY BE SUBSTITUTED WITH THOSE MANUFACTURED BY USP STRUCTURAL CONNECTORS PROVIDED THAT THE LOAD CAPACITY AND FUNCTION IS EQUIVALENT.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

TABLE R602.7.5
MINIMUM NUMBER OF FULL HEIGHT KING STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MINIMUM NUMBER OF FULL HEIGHT STUDS (KINGS)
UP TO 3'	1
> 3' TO 6'	2
> 6' TO 9'	3
> 9' TO 12'	4
> 12' TO 15'	5

LEGEND

CONT	CONTINUOUS
XT	EXTRA TRUSS
XJ	EXTRA JOIST
DJ	DOUBLE JOIST
TJ	TRIPLE JOIST
EA	EACH
()	NUMBER OF STUDS
DSP	DOUBLE STUD POCKET
TSP	TRIPLE STUD POCKET
OC	ON CENTER
SPF	SPRUCE PINE FIR
SYF	SOUTHERN YELLOW PINE
TRTD	PRESSURE TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

NOTE: BCI 4500s-1.8 JOISTS MAY
BE INSTALLED IN LIEU OF TJI 110
JOISTS AT THE DEPTH AND
SPACING INDICATED ON THE PLAN



CC 2058
CAVINESS & CATES

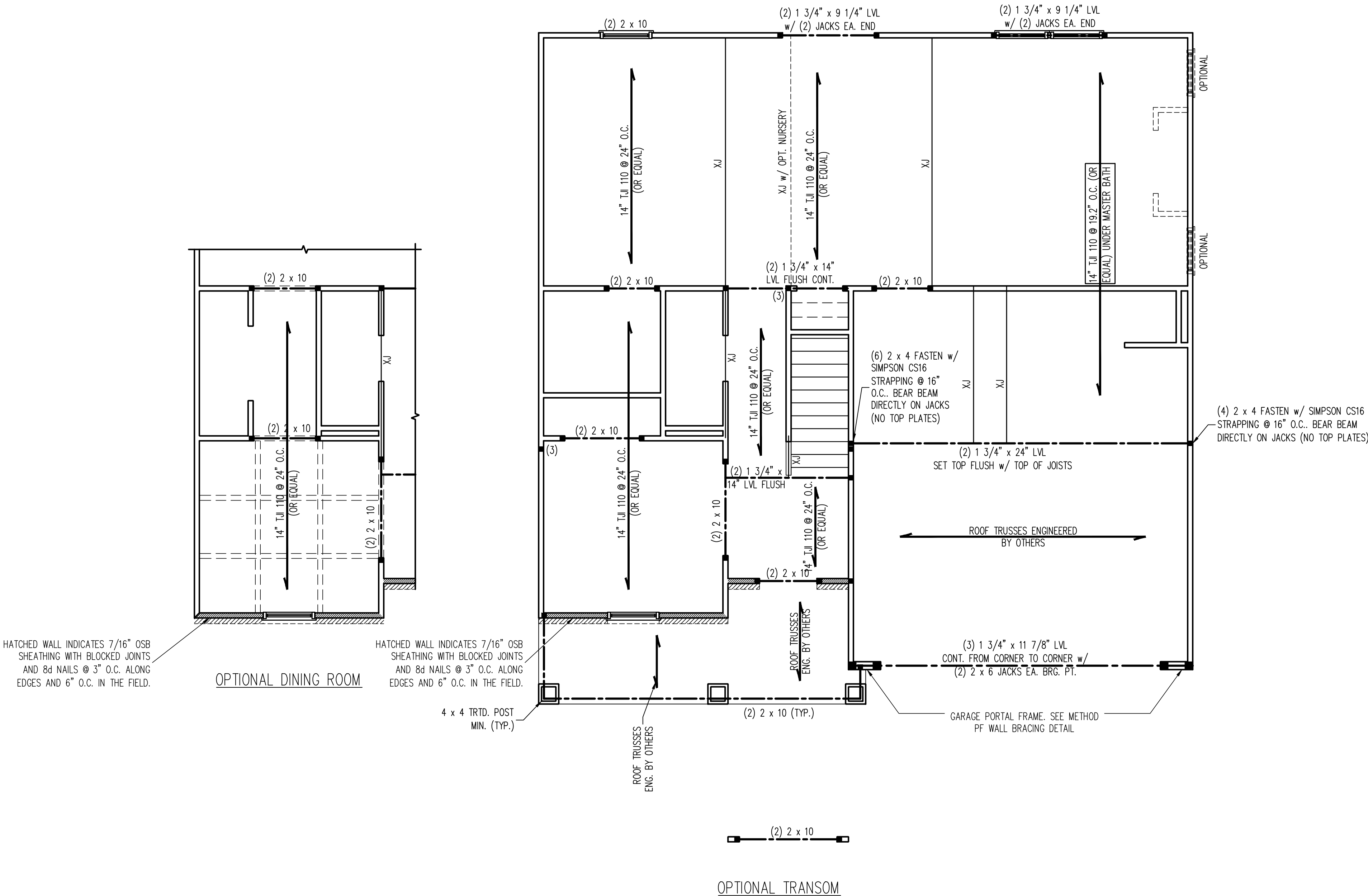
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SCALE: 1/4" = 1'-0"

DRAWN BY: TT

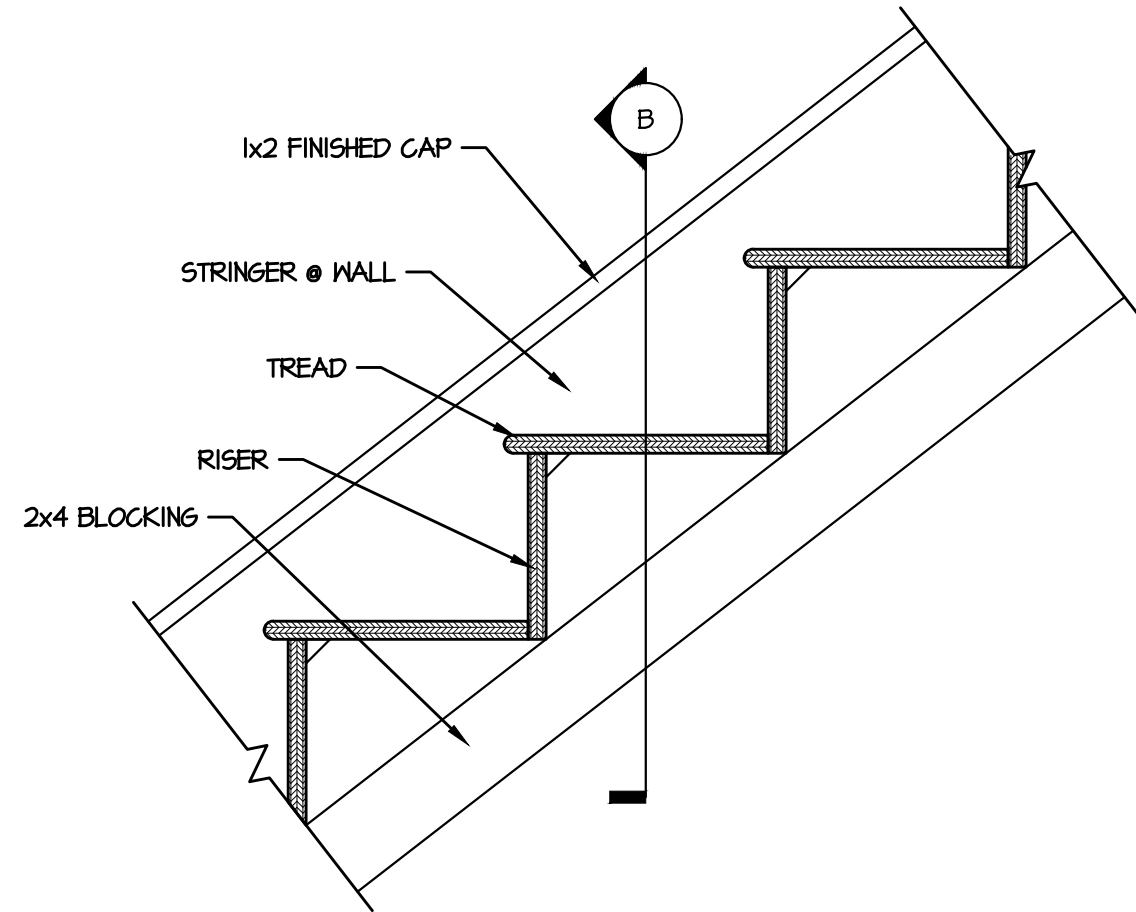
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S-2
SECOND FLOOR
FRAMING PLAN

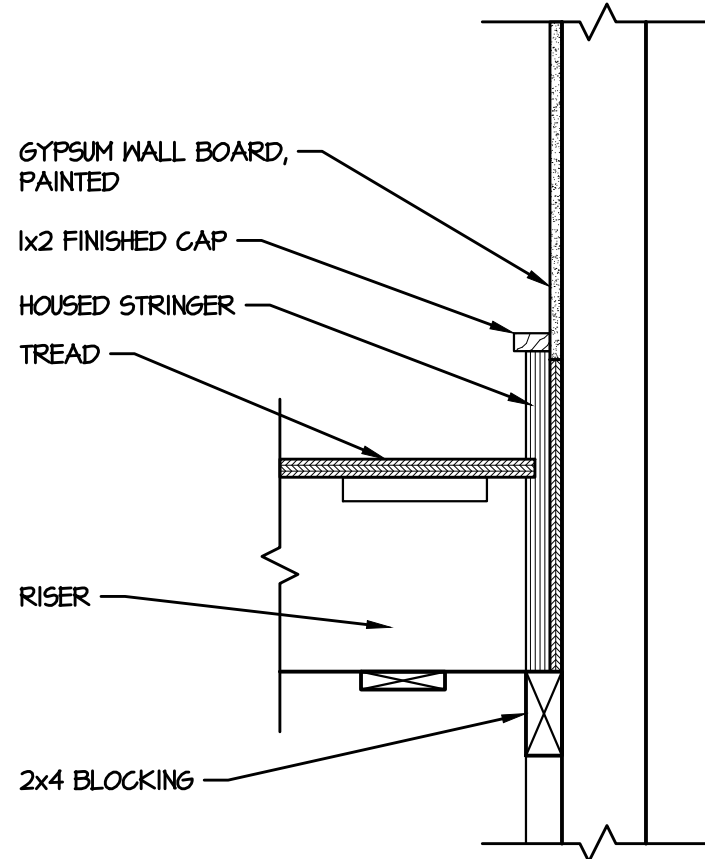


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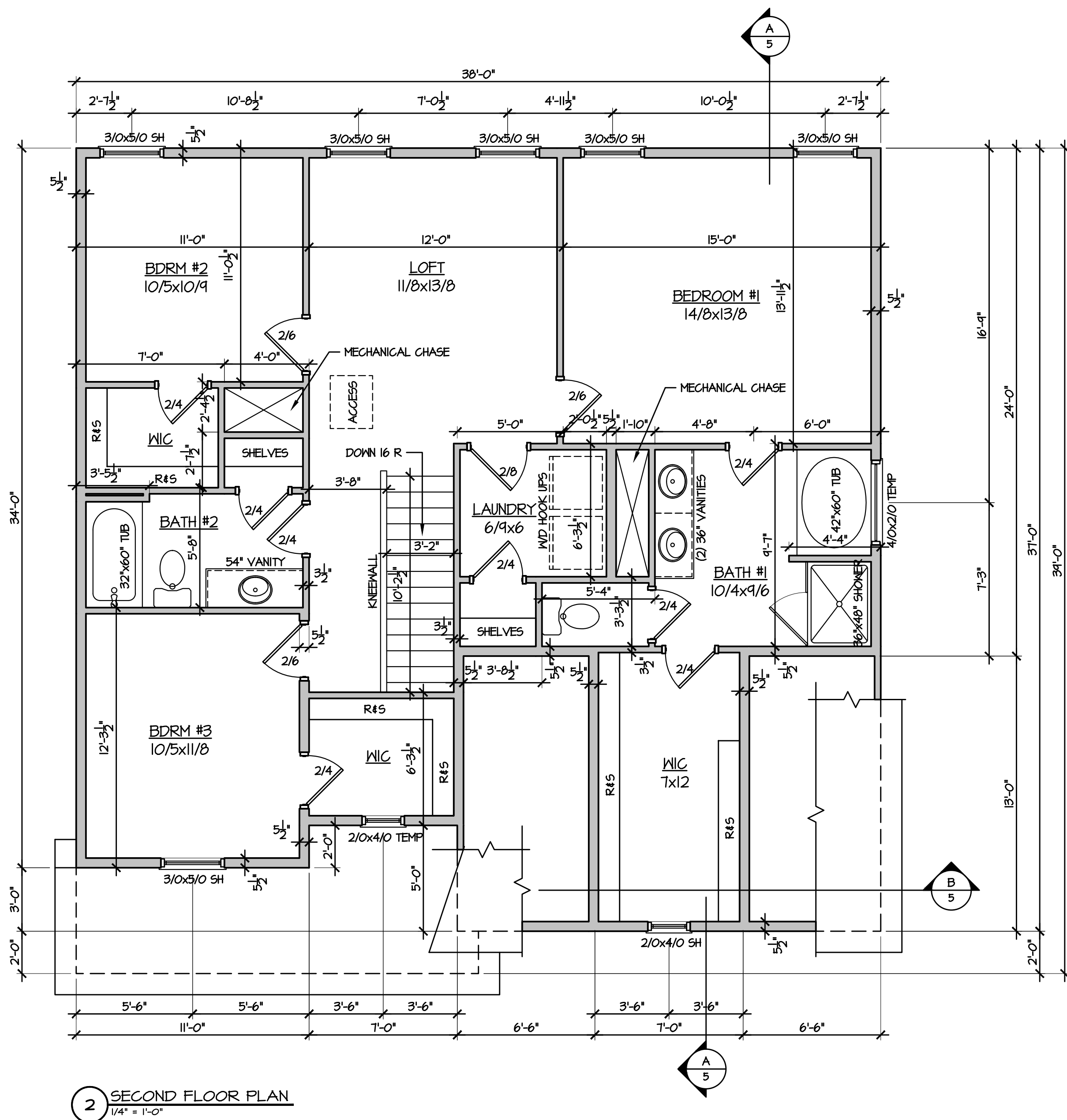
FIELD NOTES



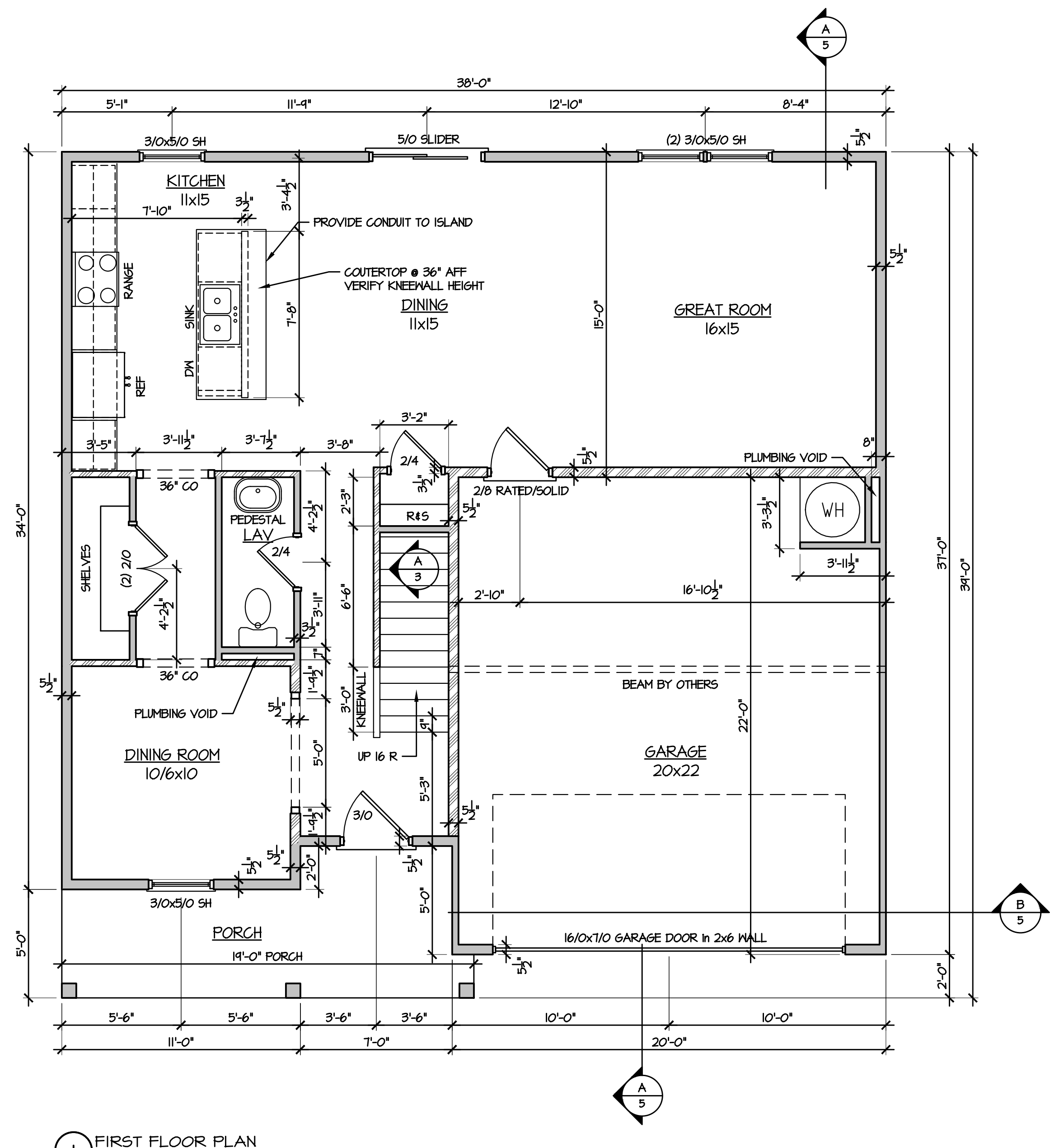
A STAIR LONGITUDINAL SECTION
1 1/2" = 1'-0" DETAIL



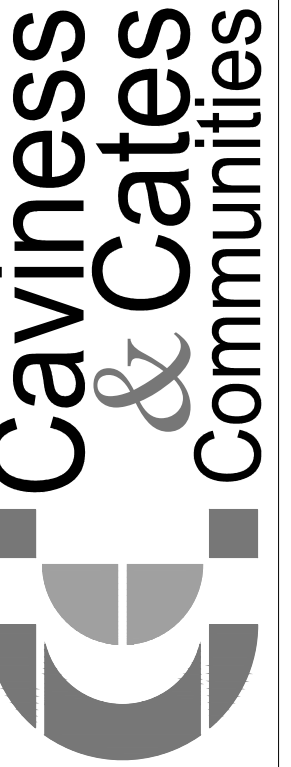
B STAIR CROSS SECTION
1 1/2" = 1'-0" DETAIL



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



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



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PROFESSIONAL
910-824-1474

PLAN NUMBER:
CC2058

PLAN NAME/NUMBER:

PLAN NO:
CC2058

DATE:
SEPTEMBER 2024

REVISIONS:

SHEET NO:

3
LOT DU79

SHEET TITLE:
FRAMING FLOOR PLANS

D:\CAVINESS AND CATES\Caviness and Cates\CC 2058-NEW PLAN\LOT SPECIFIC\DUCK LANDING 246\DU79 F GR\DU79 CC2058F GR 246 CONSTRUCTION SET 7-16-25.dwg, 7/23/2025 9:29:53 AM, 1:1

FIELD NOTES

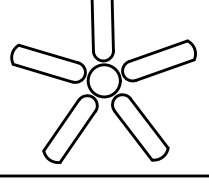
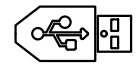
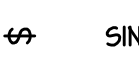

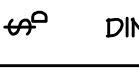
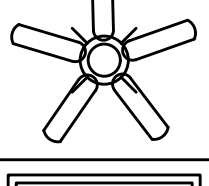

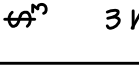


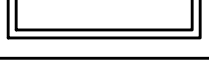

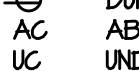


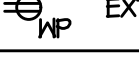


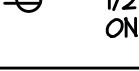





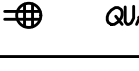

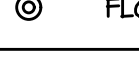

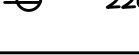



ELECTRICAL NOTES:

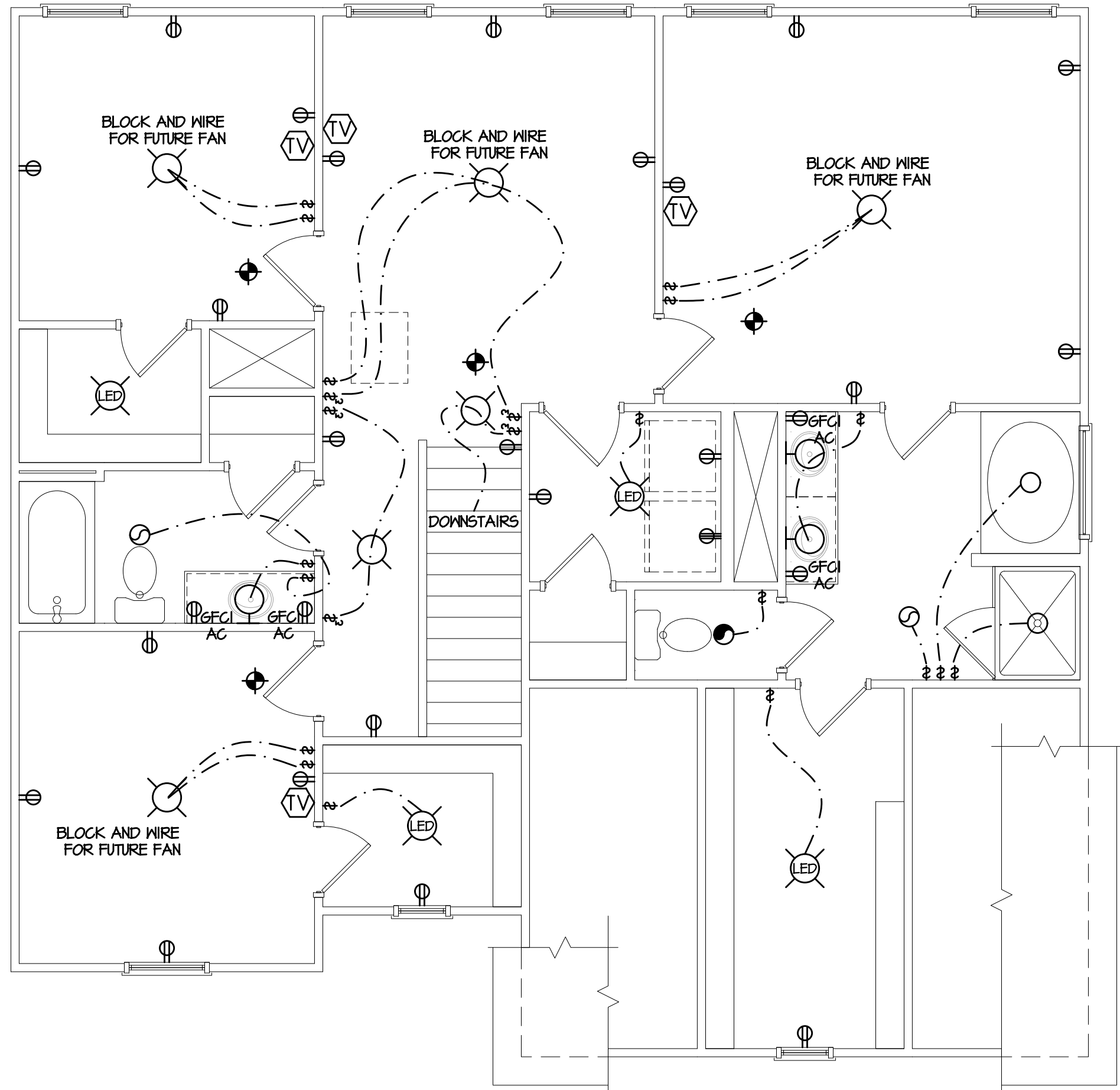
1. INSTALL LOW-WATTAGE LED LIGHTING IN SMALL CLOSETS PER 2017 NEC ARTICLE 410.2 & ARTICLE 410.16

SMOKE DETECTOR NOTES:

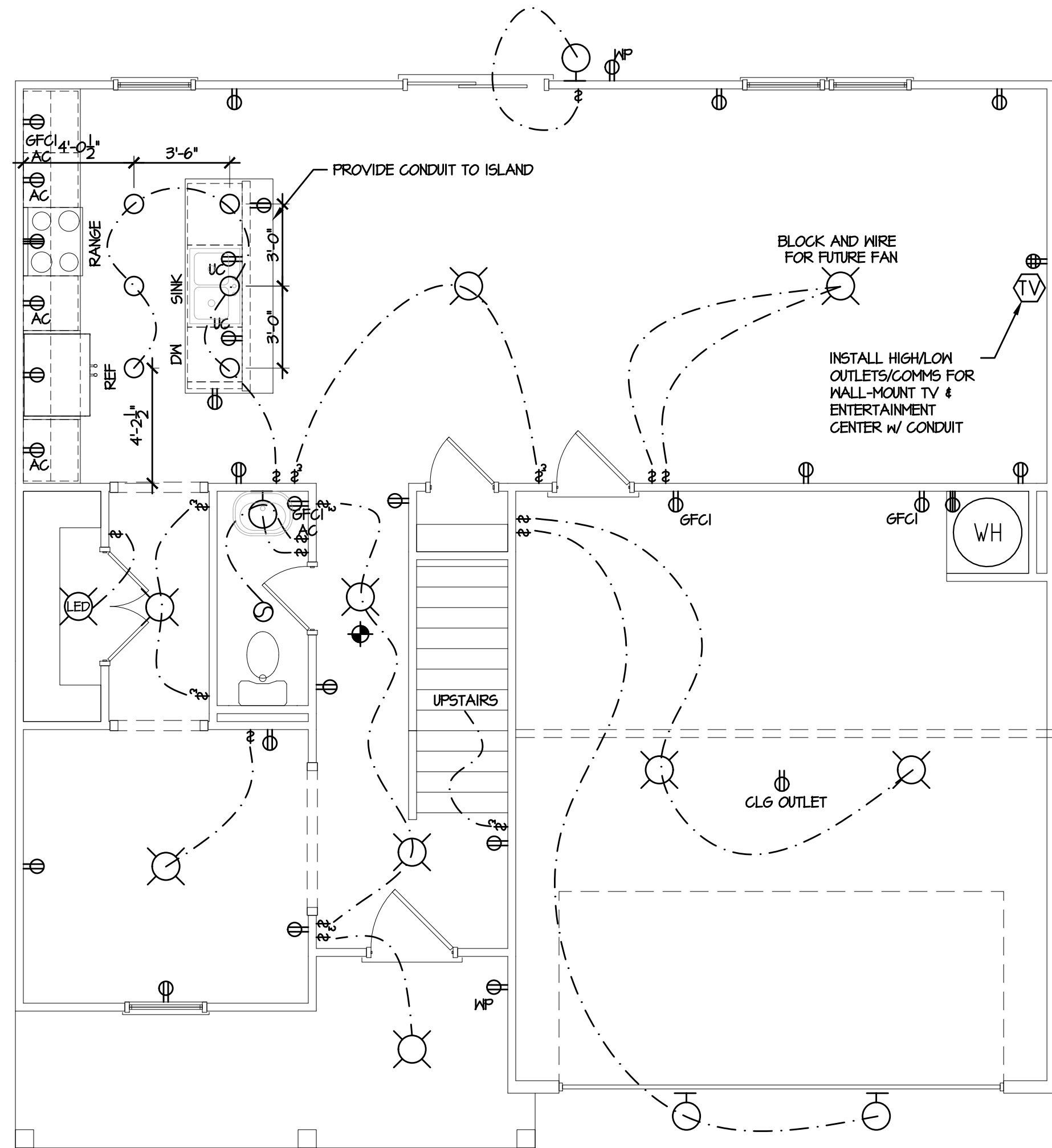
1. INSTALL SMOKE DETECTORS ON EVERY LEVEL, IN ALL SLEEPING AND GUEST ROOMS, AND OUTSIDE OF EACH SLEEPING ROOM, NO GREATER THAN 21' FROM ANY DOOR TO A SLEEPING ROOM [2022 NFPA T2, 24.8.1.1]
2. WHERE AN INTERIOR FLOOR LEVEL EXCEEDS 1000 SQUARE FEET, SMOKE ALARMS SHALL BE INSTALLED WHERE ALL POINTS FALL WITHIN 30' OF TRAVEL DISTANCE OR ONE SMOKE ALARM PER 500 SQUARE FEET. FOR VAULTED CEILINGS OVER MULTIPLE LEVELS, SMOKE ALARMS IN THE UPPER LEVEL NEAR THE CATHEDRAL SHALL BE CONSIDERED AS PART OF THE LOWER FLOOR PROTECTION [2022 NFPA T2, 24.8.1.3, 24.8.1.3.1 and 24.8.1.3.2]
3. MAINTAIN 120" MIN FROM KITCHEN COOKING APPLIANCES [2022 NFPA T2, 24.11.3.4(5)]
4. MAINTAIN 36" MIN FROM A BATHROOM DOOR CONTAINING A TUB OR SHOWER [2022 NFPA T2, 24.11.3.4(6)]
5. MAINTAIN 36" MIN FROM A SUPPLY REGISTER OF A FORCED HEATING/COOLING SYSTEM AND OUTSIDE OF THE DIRECT AIRFLOW [2022 NFPA T2, 24.11.3.4(7)]
6. MAINTAIN 36" MIN FROM TIP OF CEILING FAN BLADE [2019 NFPA T2, 24.11.3.4(8)]
7. WHERE STAIRS LEAD TO AN ABOVE-OCCUPIABLE LEVEL, A SMOKE DETECTOR SHALL BE LOCATED SO THAT RISING SMOKE IN THE STAIRWAY CANNOT BE BLOCKED BY AN INTERVENING DOOR [2019 NFPA T2, 24.11.3.4(9)]
8. PLACE SMOKE DETECTORS AT HIGHEST POINT OF TRAY CEILING [2019 NFPA T2, 24.11.3.4(10)]

ELECTRICAL LEGEND

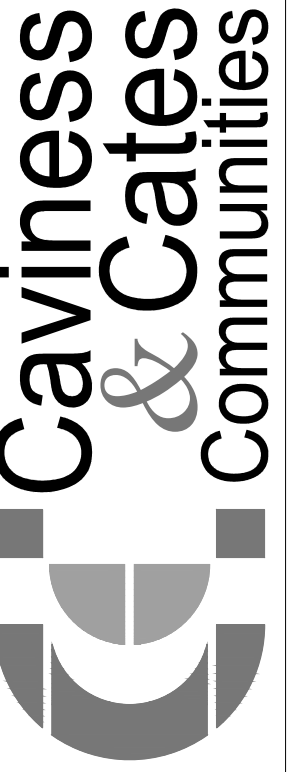
	CEILING FAN		USB PORT		SINGLE POLE SWITCH
			COMMUNICATIONS		DIMMER SWITCH
	CEILING FAN w/ LIGHT		UL APPROVED SMOKE / CO DETECTOR		3 WAY SWITCH
			SURROUND SOUND CEILING SPEAKER		4 WAY SWITCH
	FLUORESCENT LIGHT	LOW-VOLTAGE OPTIONS			DUPLEX OUTLET ABOVE COUNTER UNDER COUNTER
	WALL MOUNT LIGHT				EXTERIOR DUPLEX OUTLET
	SURFACE LIGHT				1/2 HOT DUPLEX OUTLET ON SWITCH
	PENDANT LIGHT				GROUND FAULT CIRCUIT INTERRUPT DUPLEX OUTLET
	LED LIGHT				QUAD OUTLET
	UNDER-WALL-CABINET LIGHT				FLOOR OUTLET
	FLOOD LIGHTS				220 V OUTLET
	RECESS LIGHT				
	LIGHT / EXHAUST FAN COMBO				
	EXHAUST FAN				



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

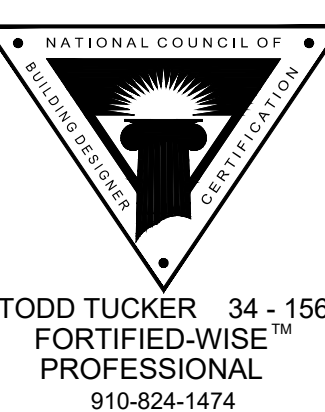
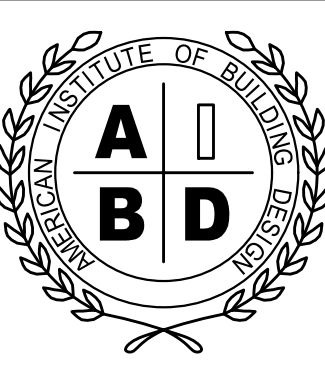


1 FIRST FLOOR PLAN
1/4" = 1'-0"



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PLAN NAME/NUMBER:

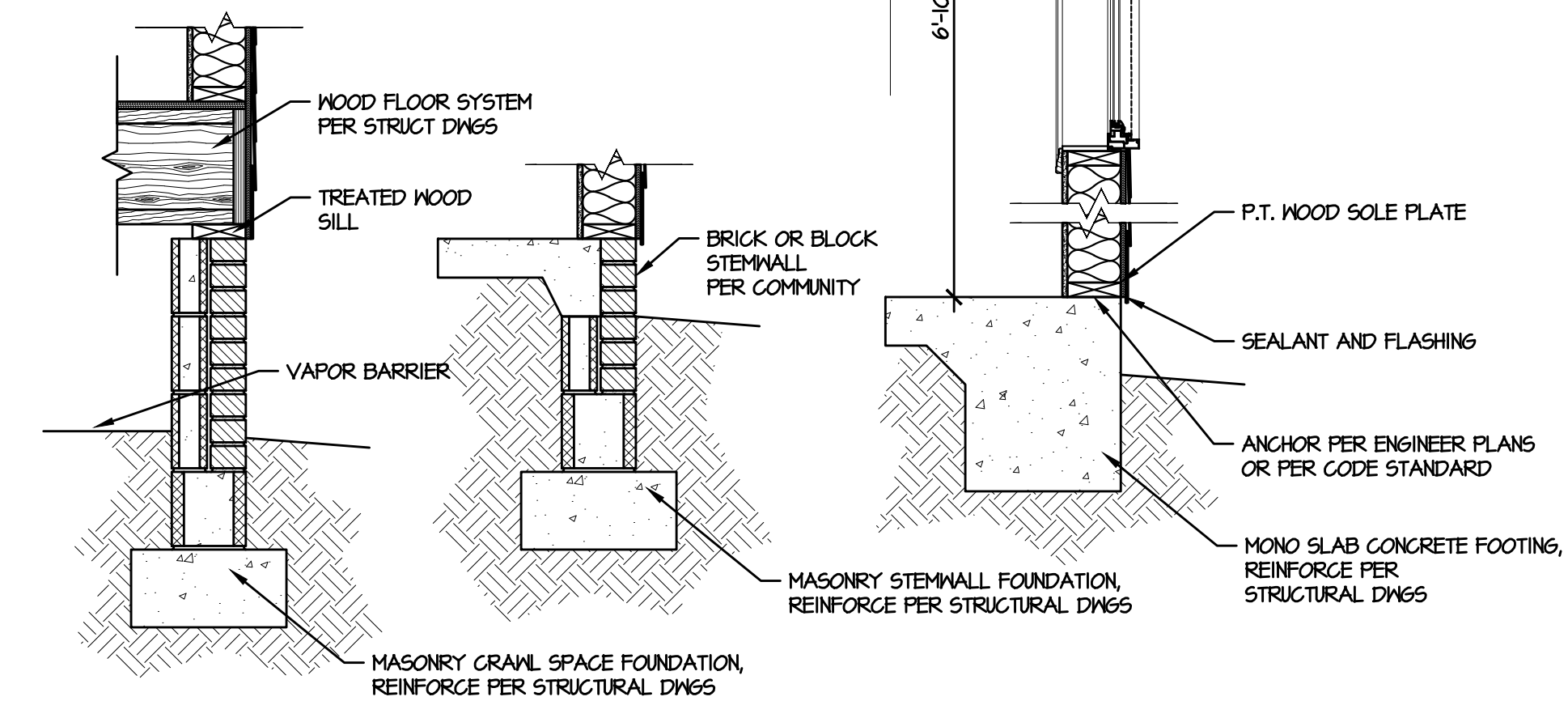
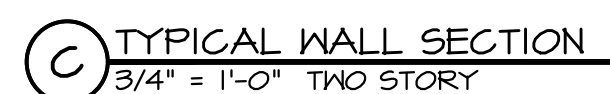
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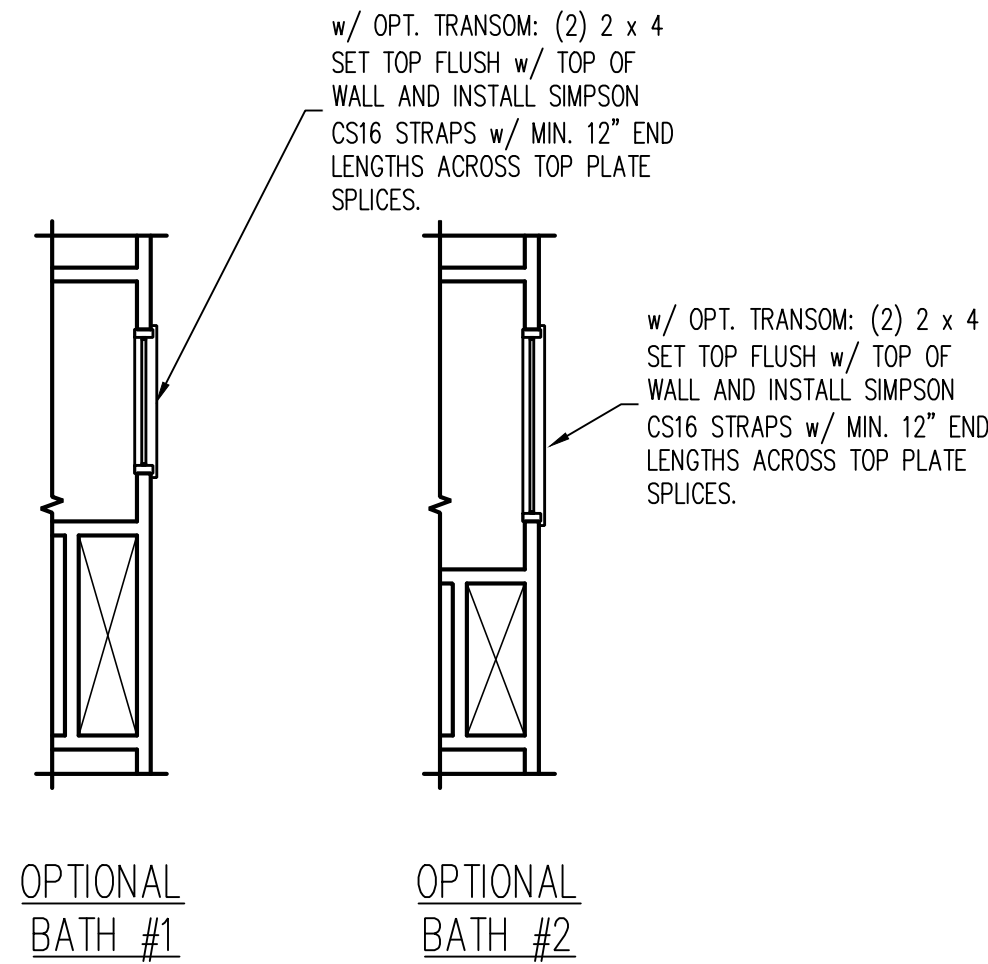
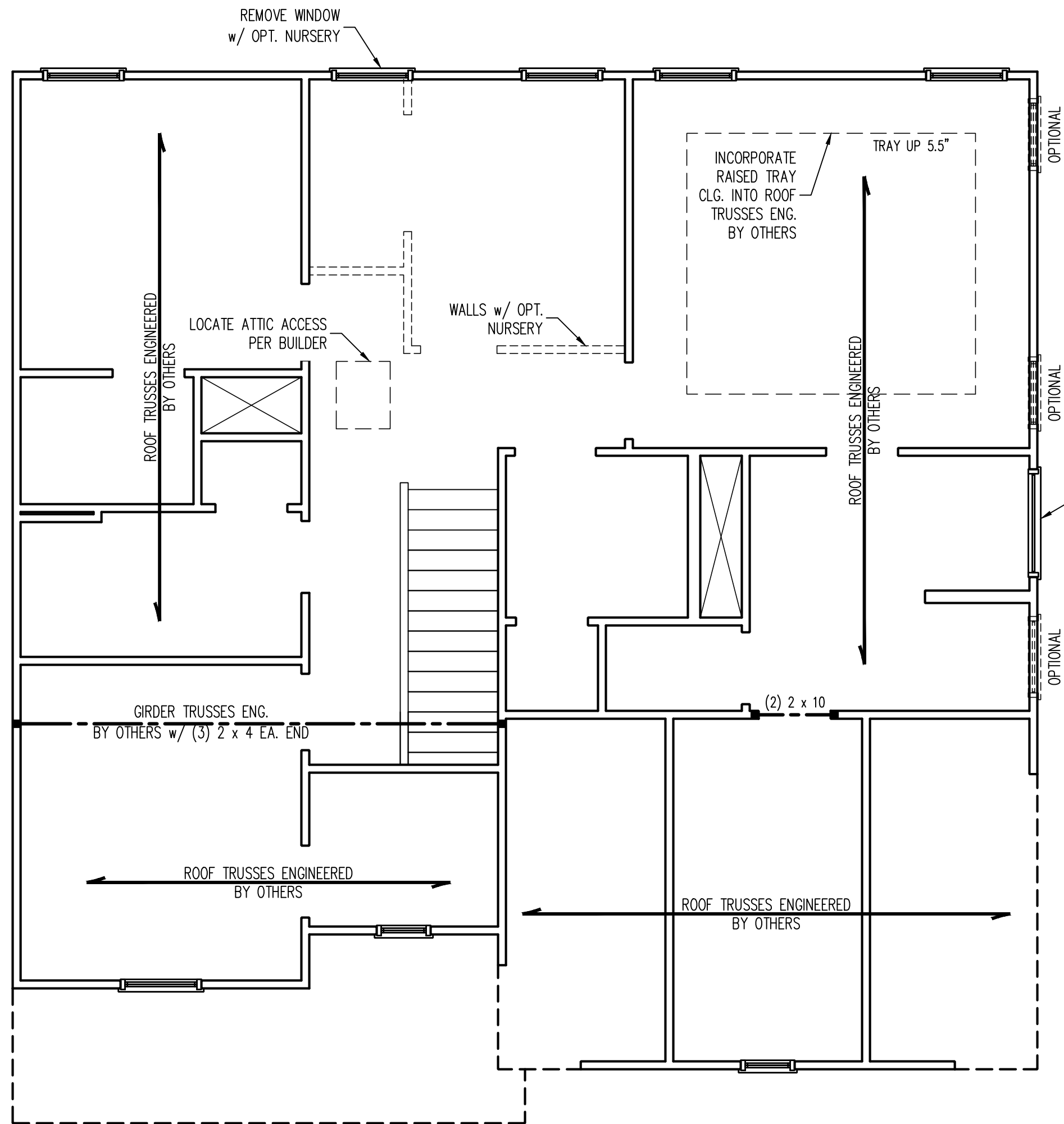
DATE:
SEPTEMBER 2024

REVISIONS:	

SHEET NO:

4
LOT DU79





- BRACED WALL DESIGN NOTES:**
1. BRACED WALL DESIGN PER SECTION R602.10.5 "WALL BRACING BY ENGINEERED DESIGN" OF THE NCRC 2018 EDITION USING BRACING MATERIALS AND METHODS LISTED IN TABLE R602.10.1 ALONG WITH ALTERNATIVE MATERIALS AND METHODS THAT COMPLY WITH ACCEPTED ENGINEERING PRACTICE. BRACED WALL DESIGN IS NOT PRESCRIPTIVE.
 2. SHEATH ALL EXTERIOR WALLS w/ 7/16" OSB TO PROVIDE CS-WSP WALL BRACING THAT WILL BRACE THE STRUCTURE FOR ALL LATERAL LOADS AS REQUIRED BY THE NCRC 2018 EDITION.
 3. CS-WSP REFERS TO "CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANELS." CONTRACTOR IS TO INSTALL 7/16" OSB ON ALL EXTERIOR WALLS ATTACHED w/ 8d NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.
 4. GB REFERS TO "GYPSUM BOARD." CONTRACTOR IS TO INSTALL 1/2" (MIN.) GYPSUM BOARD ON BOTH SIDES OF WALL WHERE NOTED ON THE PLANS ATTACHED WITH 1 1/4" LONG #6 SCREWS OR 1 5/8" LONG 5d COOLER NAILS SPACED 7" O.C. ALONG PANEL EDGES AND IN THE FIELD.
 5. BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH. FOR HIGH WIND ZONES, BRACED WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCRC 2018 EDITION.
 6. SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

- STRUCTURAL NOTES:**
1. ALL FRAMING LUMBER TO BE #2 SPF (UNO).
 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
 3. WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO.). SEE TABLE R602.7.5 FOR ADDITIONAL KING STUD REQUIREMENTS.
 4. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SQUARES TO BE (2) STUDS (UNO).
 5. FOR HIGH WIND ZONES, ALL EXTERIOR WALLS TO BE SHEATHED WITH 7/16" OSB SHEATHING WITH JOINTS BLOCKED AND SECURED WITH 8d NAILS AT 3" O.C. ALONG EDGES AND 6" O.C. IN THE FIELD.
 6. FOR HIGH WIND ZONES, SECURE ALL EXTERIOR WALL SHEATHING PANELS TO DOUBLE TOP PLATES, BANDS, JOISTS, AND GIRDERS WITH (2) ROWS OF 8d NAILS STAGGERED AT 3" O.C. PANELS SHALL EXTEND 12" BEYOND CONSTRUCTION JOINTS AND SHALL OVERLAP GIRDERS AND DOUBLE SILL PLATES THEIR FULL DEPTH.
 7. SPECIFIED SIMPSON STRONG-TIE PRODUCTS MAY BE SUBSTITUTED WITH THOSE MANUFACTURED BY USP STRUCTURAL CONNECTORS PROVIDED THAT THE LOAD CAPACITY AND FUNCTION IS EQUIVALENT. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.
 - 8.

TABLE R602.7.5
MINIMUM NUMBER OF FULL HEIGHT KING STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

HEADER SPAN (FEET)	MINIMUM NUMBER OF FULL HEIGHT STUDS (KINGS)
UP TO 3'	1
> 3' TO 6'	2
> 6' TO 9'	3
> 9' TO 12'	4
> 12' TO 15'	5

LEGEND

CONT	CONTINUOUS
XT	EXTRA TRUSS
XJ	EXTRA JOIST
DJ	DOUBLE JOIST
TJ	TRIPLE JOIST
EA	EACH
()	NUMBER OF STUDS
DSP	DOUBLE STUD POCKET
TSP	TRIPLE STUD POCKET
OC	ON CENTER
SPF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TRTD	PRESSURE TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE



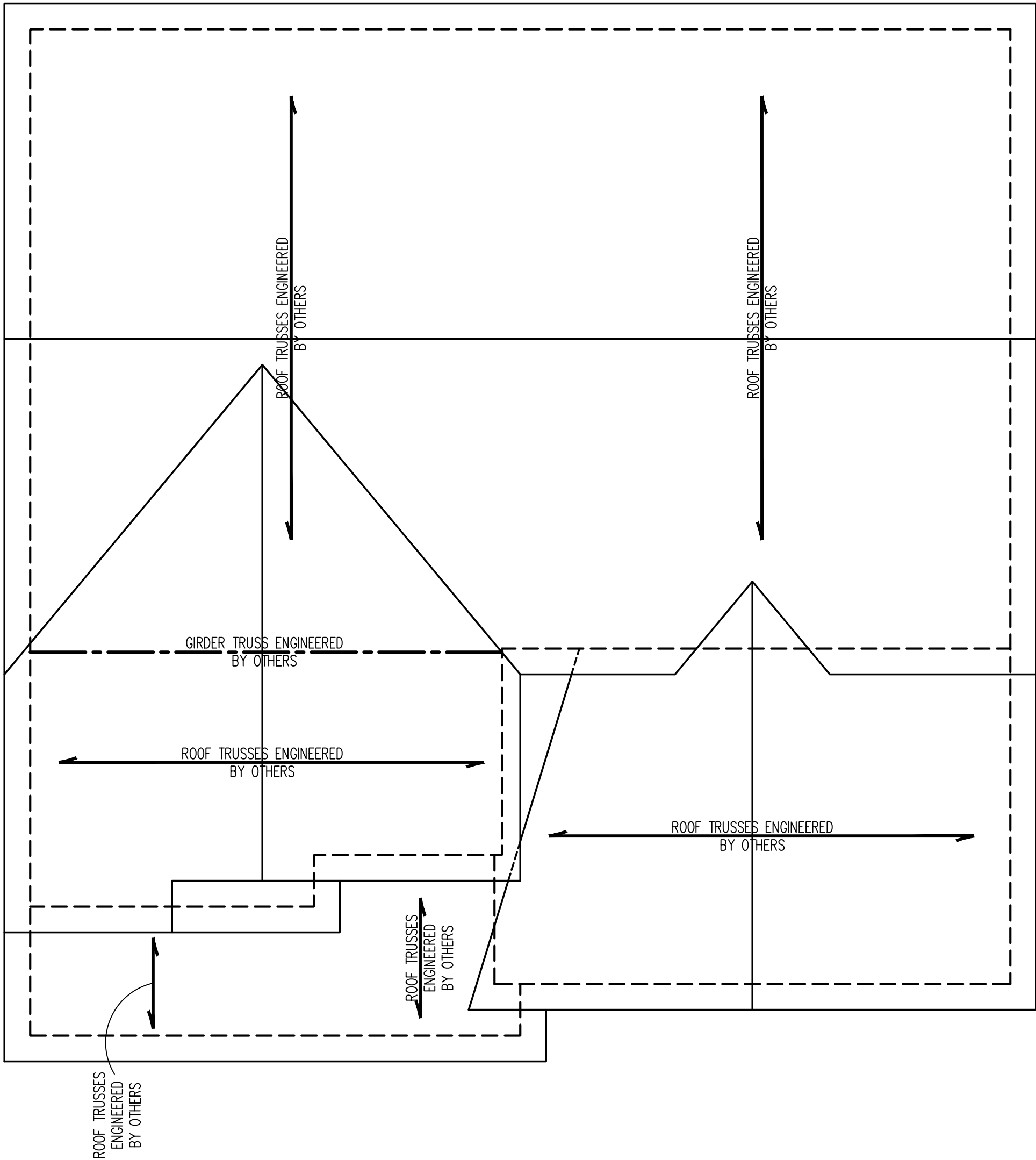
9/30/2024

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PHONE: (919) 789-9919 FAX: (919) 789-9921
N.C. LICENSE NO.: C-1733

CC 2058
CAVINNESS & CATES

DATE: SEPTEMBER 30, 2024
SCALE: 1/4" = 1'-0"
DRAWN BY: TT
ENGINEERED BY: JAG

S-3
ATTIC FLOOR
FRAMING PLAN



STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE #2 SPF (UNO).
- CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF SUPPORT.
- FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS.
- HIP SPICES ARE TO BE SPACED A MIN. OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS @ 16" O.C. (TYP.)
- STICK FRAME OVER-FRAMED ROOF SECTIONS W/ 2 x 8 RIDGES, 2 x 6 RAFTERS @ 16" O.C. AND FLAT 2 x 10 VALLEYS OR USE VALLEY TRUSSES.
- FASTEN FLAT VALLEYS TO RAFTERS OR TRUSSES WITH SIMPSON H2.5A HURRICANE TIES @ 32" O.C. MAX. PASS HURRICANE TIES THROUGH NOTCH IN ROOF SHEATHING. EACH RAFTER IS TO BE FASTENED TO THE FLAT VALLEY WITH A MIN. OF (6) 12d TOE NAILS.
- REFER TO SECTION R802.11 OF THE 2018 NRC FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR ROOF PITCHES, PLATE HEIGHTS, DIMENSIONS, OVERHANG WIDTHS, AND ATTIC VENT CALCS.

LEGEND

XR	EXTRA RAFTER
XT	EXTRA TRUSS
DR	DOUBLE RAFTER
TR	TRIPLE RAFTER
RS	RAFTER SUPPORT
TS	TRUSS SUPPORT
CONT	CONTINUOUS
EA	EACH
OC	ON CENTER
SPF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

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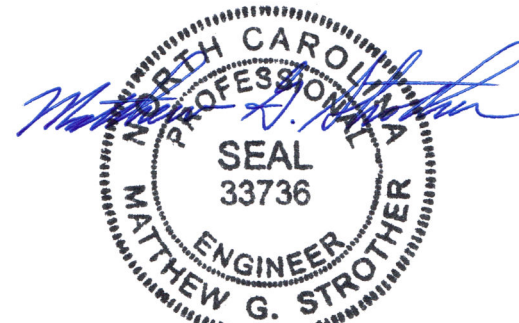
CC 2058
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DATE: SEPTEMBER 30, 2024

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

DRAWN BY: TT

ENGINEERED BY: JAG



9/30/2024

S-4
ROOF FRAMING
PLAN

9/30/2024