

7

THE "EDISON" FARMHOUSE - A HOLLIES PINES BROADWAY, NC LOT - 5 HHHUNT HOMES

GENERAL NOTES:

1. CONTRACTOR AND EACH SUB-CONTRACTOR SHALL BE REQUIRED TO CHECK AND BE RESPONSIBLE FOR CONFORMANCE OF PLANS WITH ALL REQUIREMENTS AND LOCAL ORDINANCES, BUILDING CODES, BUILDING INSPECTOR, AND MANUFACTURERS RECOMMENDATIONS PRIOR TO SIGNING THE CONTRACT OR BEGINNING WORK. THE COST OF CORRECTION, MODIFICATIONS, ADDITIONS, ETC., WHICH ARE CALLED FOR OR REQUIRED BY LOCAL ORDINANCES, BUILDING CODES, BUILDING INSPECTOR AND MANUFACTURERS AND NOT SPECIFICALLY NOTED OR SHOWN ON THE DRAWINGS TO COMPLETE A TURNKEY JOB SHALL BE PAID FOR AND BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DRAWINGS ARE DIAGRAMMATIC, INTENDED TO OUTLINE GENERAL REQUIREMENTS ONLY AND NOT INTENDED TO BE COMPLETE IN ALL DETAILS. SPECIFIC IMPLEMENTATIONS OF PLANS SHALL BE THE REQUIREMENT OF THE CONTRACTOR WHO REPRESENTS HE HAS THE SKILL AND EXPERT KNOWLEDGE TO EXECUTE THE WORK REQUIRED.
2. ALL WORK SHALL BE ACCURATELY LAID OUT IN COOPERATION WITH OTHER TRADES TO AVOID CONFLICTS AND TO OBTAIN A NEAT WORKMANLIKE INSTALLATION. EACH SUB-CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND MAKING SURE HIS WORK PROPERLY CONNECTS WITH ADJOINING OR CONNECTING WORK ON WHICH THE CONSTRUCTION OF HIS WORK IS DEPENDENT FOR A TURNKEY JOB.
3. ALL DRAWINGS ARE INTENDED TO BE RIGID IN SPECIFIC DETAILS. WHERE SUCH DETAILS MAY BE IN CONFLICT WITH RECOMMENDATIONS OF THE MANUFACTURER OF EQUIPMENT ACTUALLY PROVIDED AND WHEN DISCREPANCIES BETWEEN DRAWINGS AND RECOMMENDATIONS CHANGE THE INTENT OF THE DRAWINGS, SUCH CHANGES ARE TO BE APPROVED BY HHHUNT.
4. THE CONTRACTOR AND EACH SUB-CONTRACTOR SHALL PROTECT HIS AND OTHERS WORK FROM DAMAGE DUE TO HIS OPERATIONS AND SHALL REPLACE, OR REPAIR AS REQUIRED, ALL DAMAGED WORK TO THE SATISFACTION OF THE OWNER.
5. MEASUREMENTS AND WORKMANSHIP AND WORKING CONDITIONS FOR ALL WORK SHALL BE TAKEN AT THE SITE AND COORDINATED WITH CONNECTING WORK BY EACH SUB-CONTRACTOR. EACH SUB-CONTRACTOR SHALL VERIFY FIGURES SHOWN ON DRAWINGS BEFORE LAYING OUT OR PROCEEDING WITH WORK AND SHALL BE HELD RESPONSIBLE FOR ANY ERRORS RESULTING FROM HIS FAILURE TO EXERCISE SUCH VERIFICATION.
6. THE ELECTRICAL AND MECHANICAL CONTRACTORS SHALL OBTAIN AND SUBMIT TO THE LOCAL DEPARTMENT OF BUILDING INSPECTIONS ALL DRAWINGS AND DOCUMENTATION REQUIRED TO OBTAIN A PERMIT FOR THE ELECTRICAL AND MECHANICAL WORK. HVAC PLANS MUST BE APPROVED BY HHHUNT PRIOR TO INSTALLATION.
7. BLOCKING: GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE BLOCKING ON WALLS AND CEILING FOR ATTACHING FIXTURES, EQUIPMENT, DRAPERY TRACK, ETC.

STRUCTURAL COORDINATOR:

Tanner Lester

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Telephone: (804) 762-4667
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SHEET INDEX:

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A-5b ELEVATIONS--SIDES--REAR
A-7 SECTIONS
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PLANS TO BE BUILT:

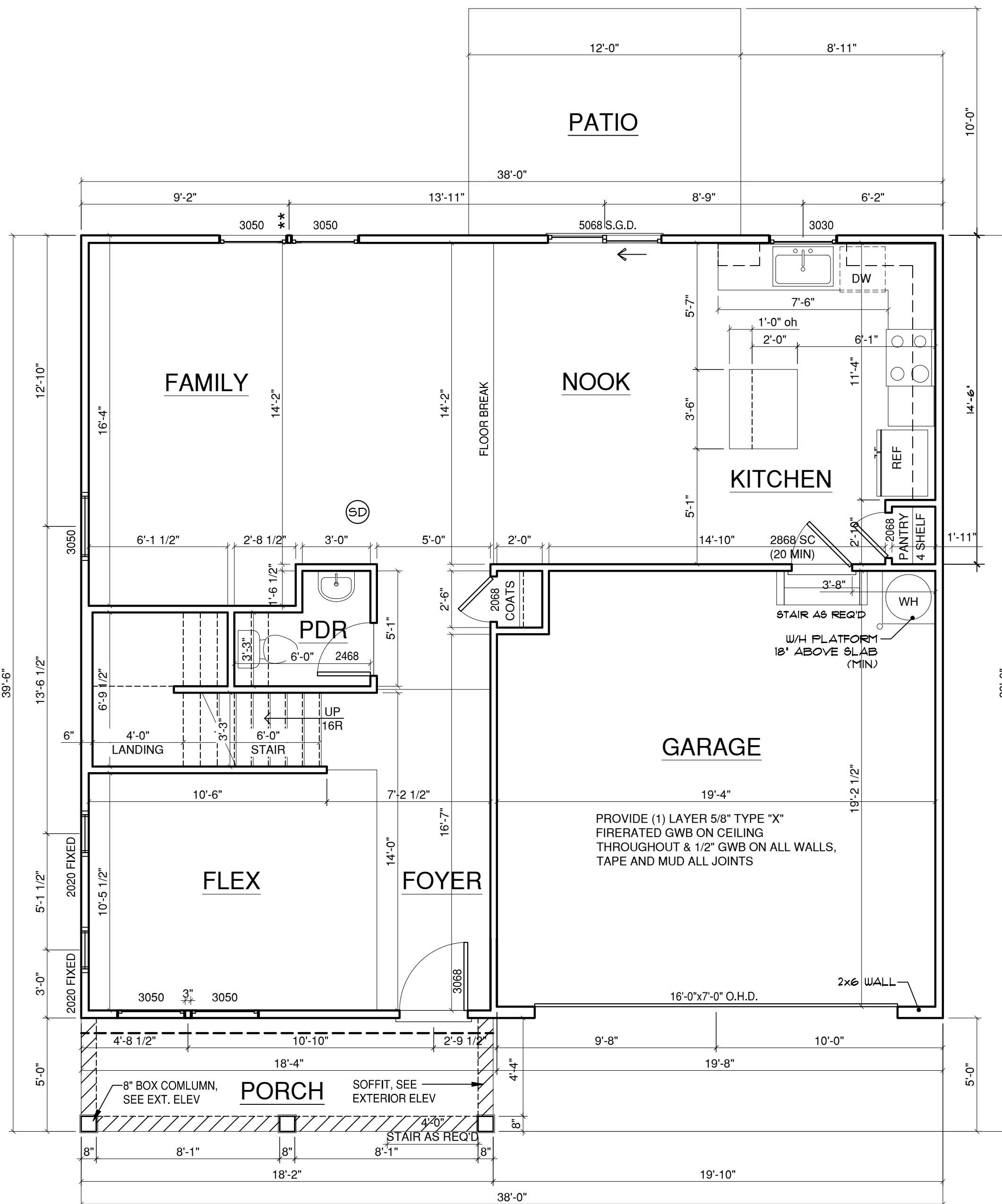
- As Drawn
 Reversed (All)

NOTES:

1. ALL EXTERIOR WALLS ARE 4" (U.N.O.)
2. ALL INTERIOR WALLS ARE 3 1/2" (U.N.O.)
3. SMOKE DETECTORS SHALL BE INTERCONNECTED AND SHALL RECEIVE THEIR PRIMARY POWER BY PERMANENT CONNECTION TO THE DWELLINGS ELECTRICAL SYSTEM AND WHEN PRIMARY POWER IS INTERRUPTED, SHALL RECEIVE POWER FROM A BATTERY
4. PROVIDE (1) CARBON MONOXIDE DETECTOR PER FLOOR
5. PROVIDE (1) FIRE EXTINGUISHER (2-A:10-B:C) LOCATED IN PANTRY OR FIELD LOCATED.
6. ALL DOORS/SCUTTLES TO UNCONDITIONED SPACE TO BE WEATHERSTIPPED AND INSULATED TO MATCH PENETRATED WALL/CEILING R VALUE.
7. ALL WINDOWS SILLS TO BE 18" MIN ABOVE FLOOR

CODE ANALYSIS

2018 NORTH CAROLINA RESIDENTIAL CODE
USE GROUP - R-5
CONSTRUCTION TYPE - 5B
BUILDING SHALL NOT BE SPRINKLERED



FIRST FLOOR PLAN

1/4" = 1'-0"

STAIR & RAIL NOTES

- STAIR TREADS SHALL BE 9' PLUS 1' NOSING
- STAIR RISERS SHALL BE 8-1/4' MAX.
- 6'-8" MIN HEADROOM (FINISHED) AT ALL STAIR LOCATIONS
- ALL HANDRAILS SHALL BE 34"-38" ABOVE NOSING, CONTINUOUS ON ONE SIDE OF STAIR RUN
- HANDRAIL GRIP SIZED SHALL BE 1-1/4" DIA MIN TO 2" DIA MAX
- **GUARDRAIL NOTES:**
 - STANDARD KNEEWALL WITH WOOD CAP, 42" ABOVE SUBFLOOR OR 42" ABOVE NOSING AT STAIR
 - OPTIONAL 36" H. RAILING IN LIEU OF KNEEWALL
- ALL BALUSTERS SHALL BE CONSTRUCTED TO NOT PERMIT A 4" DIA. SPHERE TO PASS
- STAIRWAY SHALL COMPLY WITH ALL PROVISIONS OF THE IRC

NOTE: ALL NOTES TYPICAL UNLESS NOTED OTHERWISE OR REQUIRED BY CODE

NOTE:
 ** = 2-2x4 STUD POCKET BETWEEN WINDOWS (TYPICAL)

Edison - Floor Areas		1/28/2022
	INSIDE	OUTSIDE
FIRST FLOOR	884 SF	930 SF
SECOND FLOOR	1209 SF	1255 SF
TOTAL	2093 SF	2185 SF
GARAGE	368 SF	382 SF

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 Purchaser understands that the plan is not precisely to scale and the dimensions shown therein are also not precise.
 Purchaser agrees that it is in HHHunt Homes' sole discretion to deviate from the plans and specifications, provided the improvements as built are in substantial compliance with the approved plans.



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 11237 Nuckols Road
 Glen Allen, Va. 23059
 (804) 762-4667

HP - 5
EDISON - FA

1014 HOLLIES PINES
 RD BROADWAY, NC
 27505

Revisions:

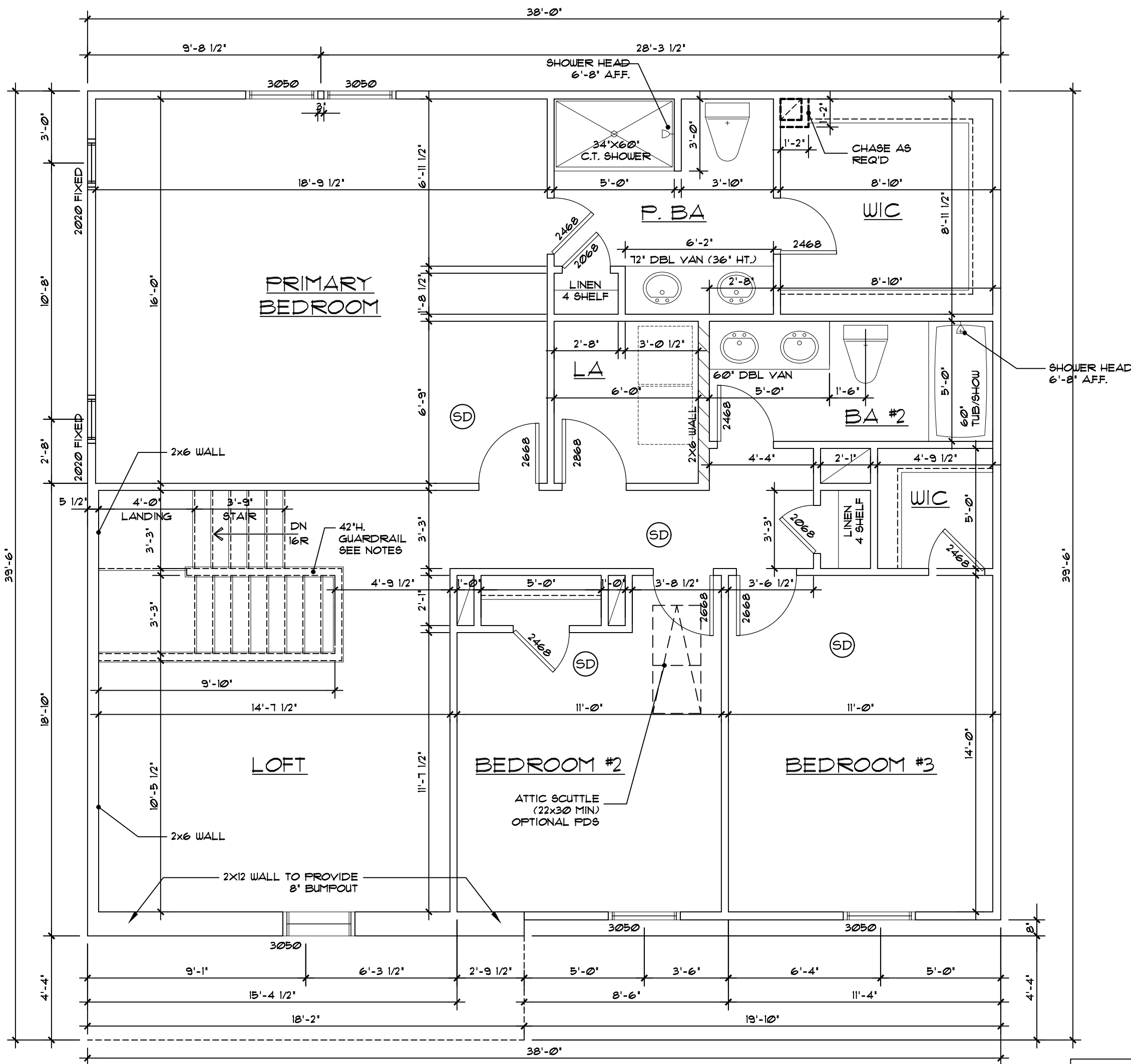
Scale: 1/4" = 1'

Drawn By: MFR

Checked By: MFR

Date: 11/17/2022

A-2



SECOND FLOOR PLAN

1/4" = 1'-0"

NOTE:
 ** = 2-2x4 STUD POCKET
 BETWEEN WINDOWS (TYPICAL)

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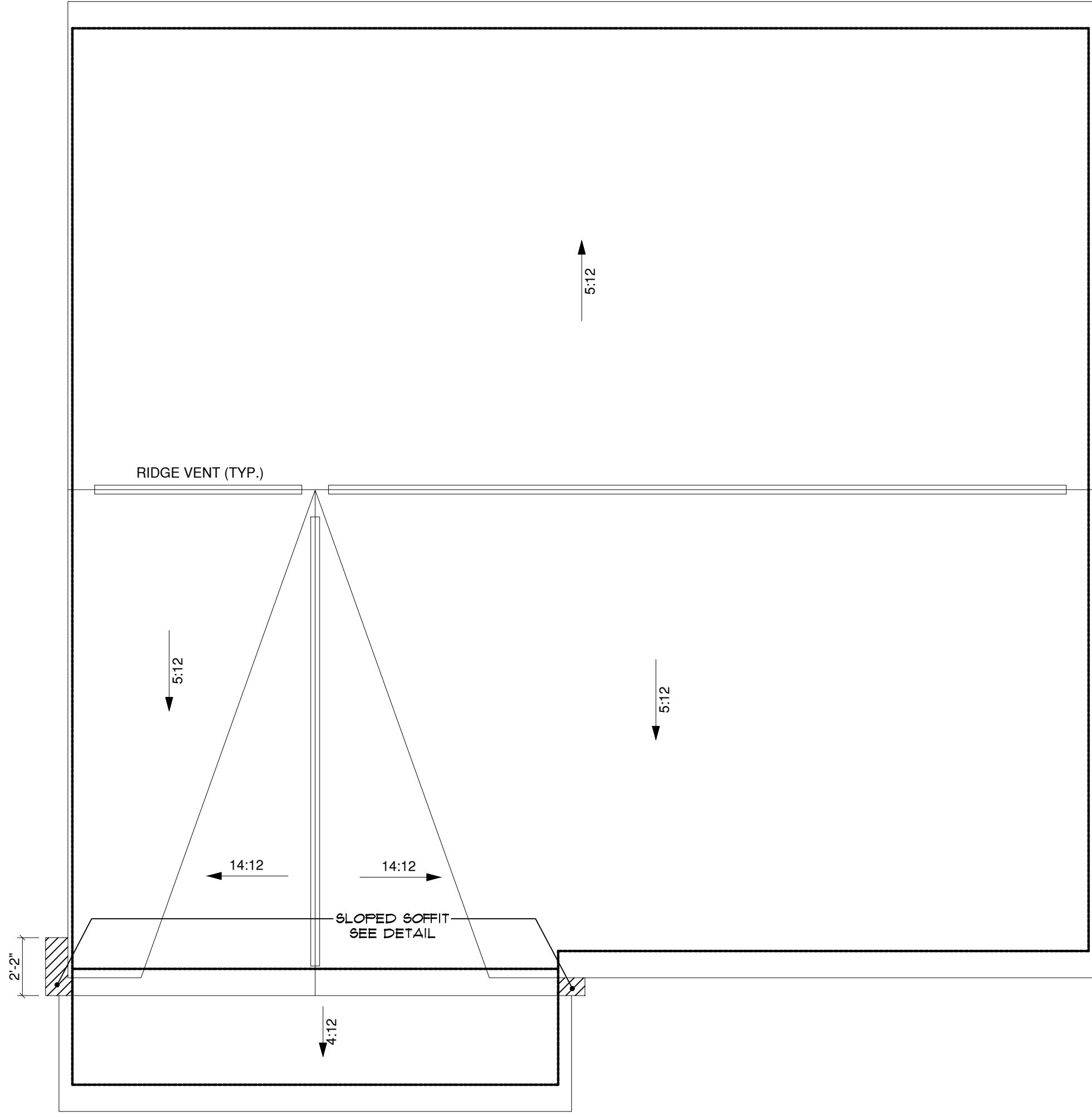
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A-3



ROOF PLAN - FARMHOUSE

1/4" = 1'-0"

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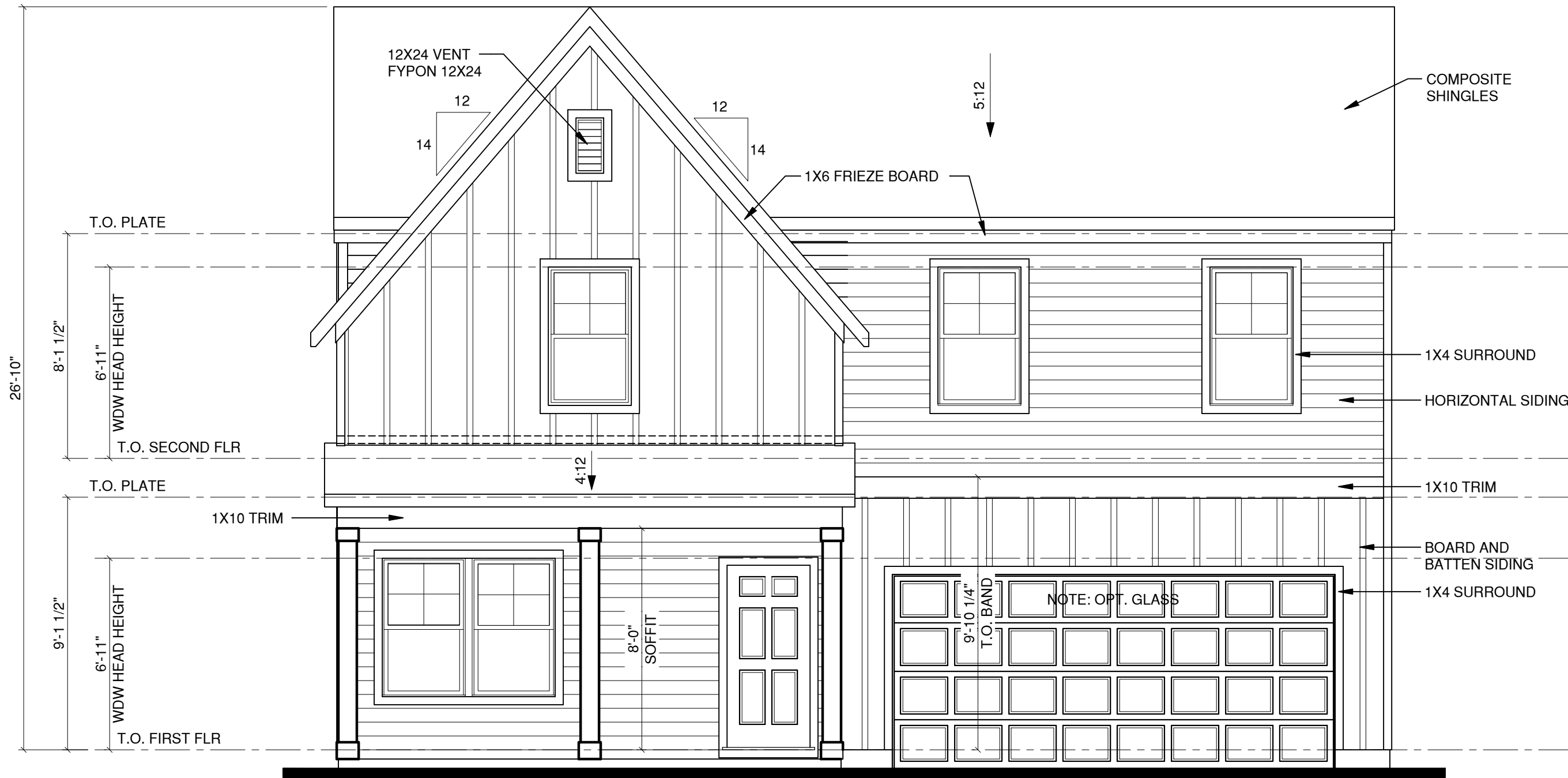
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S-4
FA



FRONT ELEVATION - FARMHOUSE

1/4" = 1'-0"

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HP - 5
EDISON - FA

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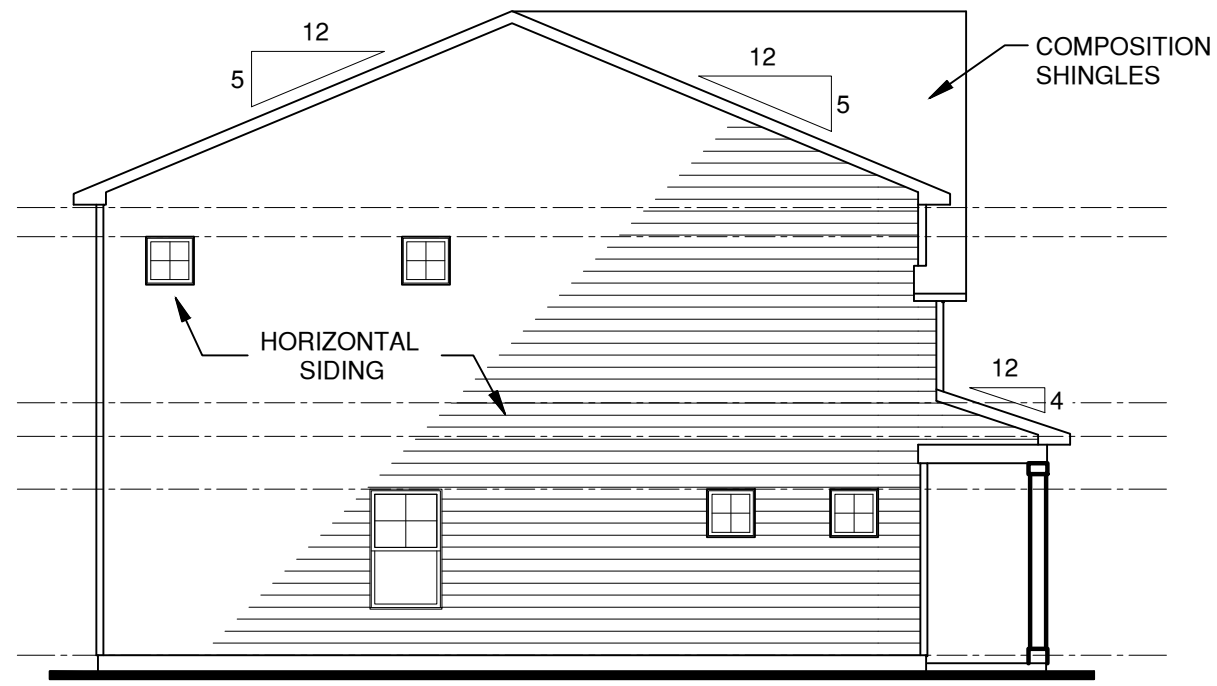
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A-5
FA

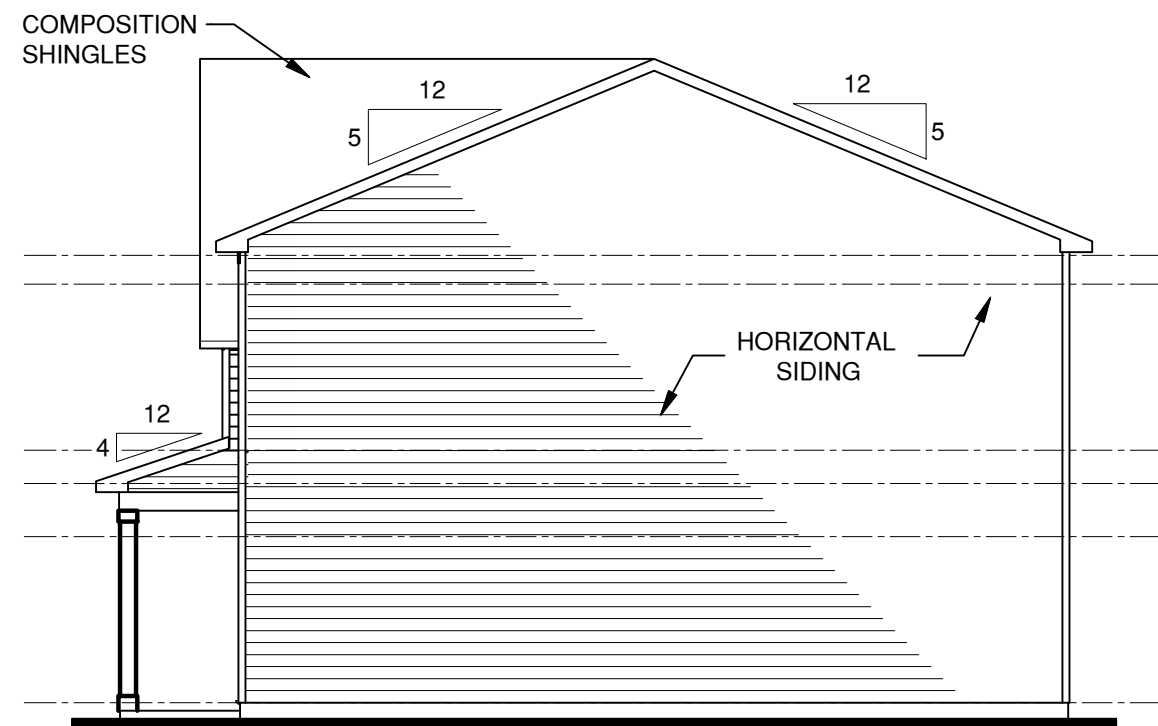


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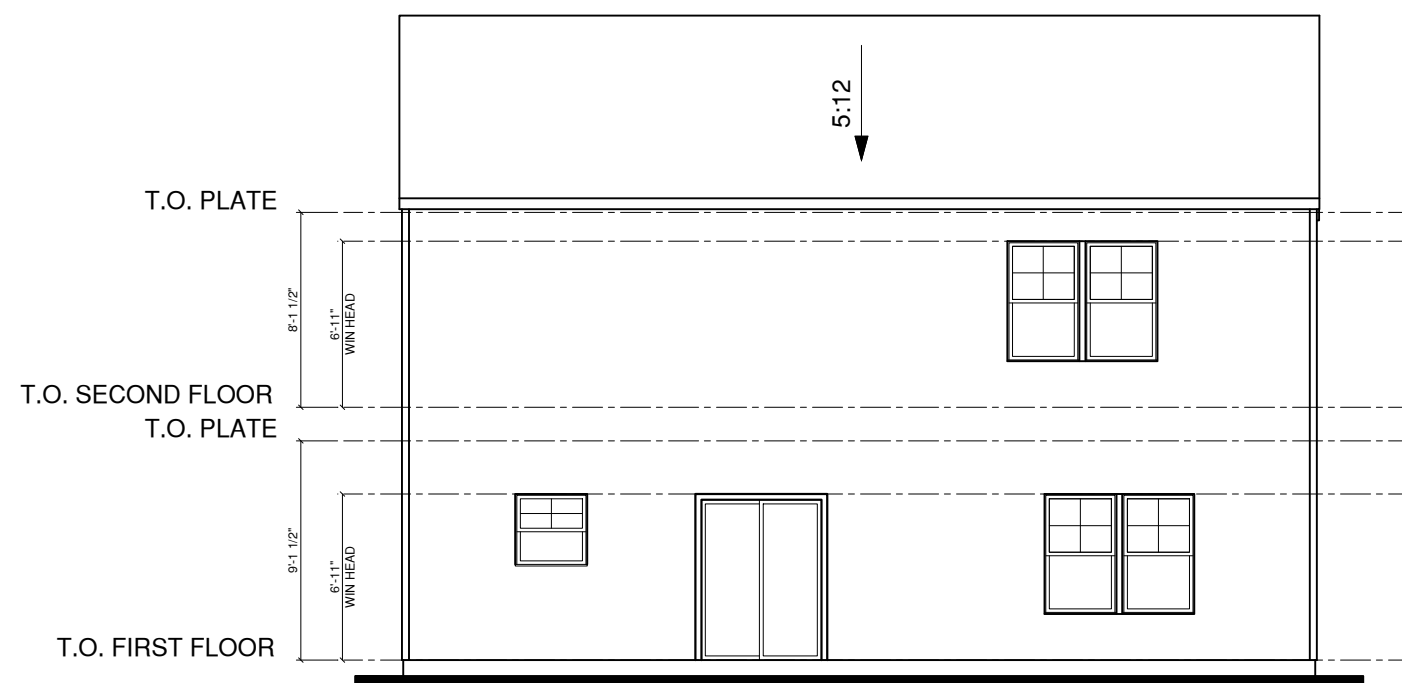
LEFT ELEVATION - FARMHOUSE

1/8" = 1'-0"



RIGHT ELEVATION - FARMHOUSE

1/8" = 1'-0"



REAR ELEVATION - FARMHOUSE

1/8" = 1'-0"

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EDISON - FA

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Revisions:

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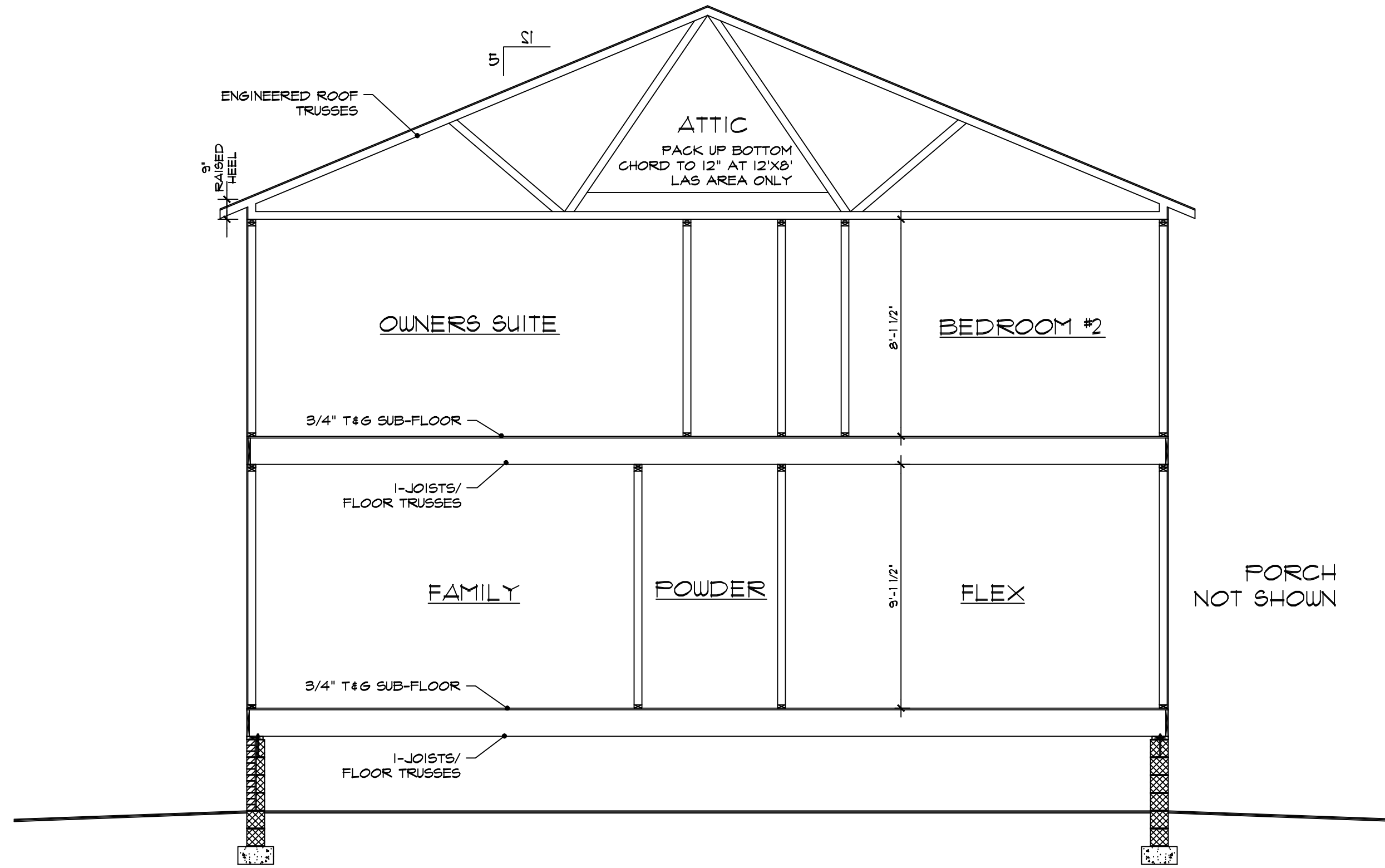
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Date: 11/17/2022

A-5b
FA

INSULATE PER THE PRESCRIPTIVE REQUIREMENTS OF THE IRC



1
A-7
TYPICAL HOUSE SECTION
1/4" = 1'-0"
CRAWL SPACE

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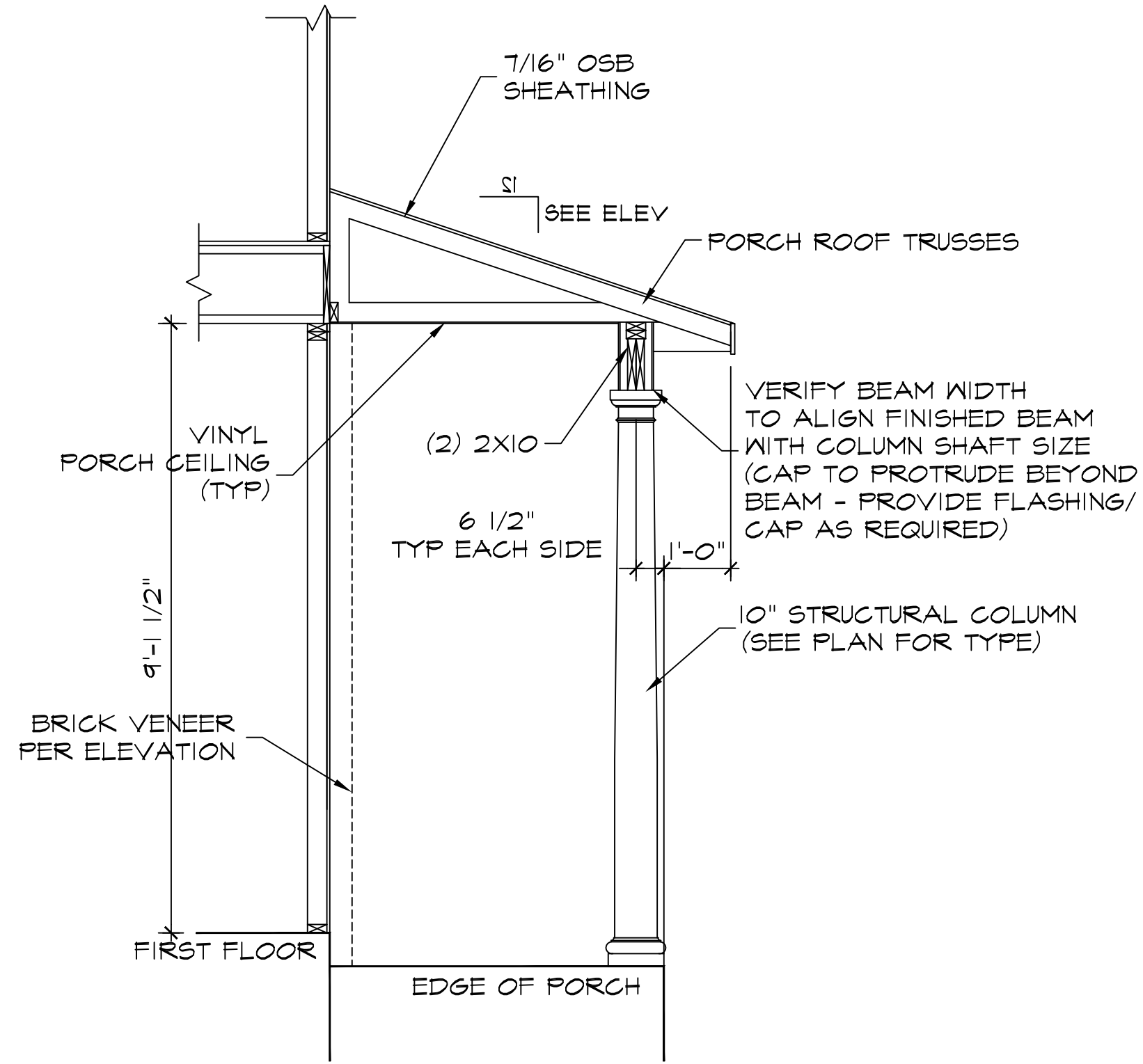
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A-7



1
A-8

PORCH DETAIL

1/2" = 1'-0"

FARMHOUSE A

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EDISON - FA

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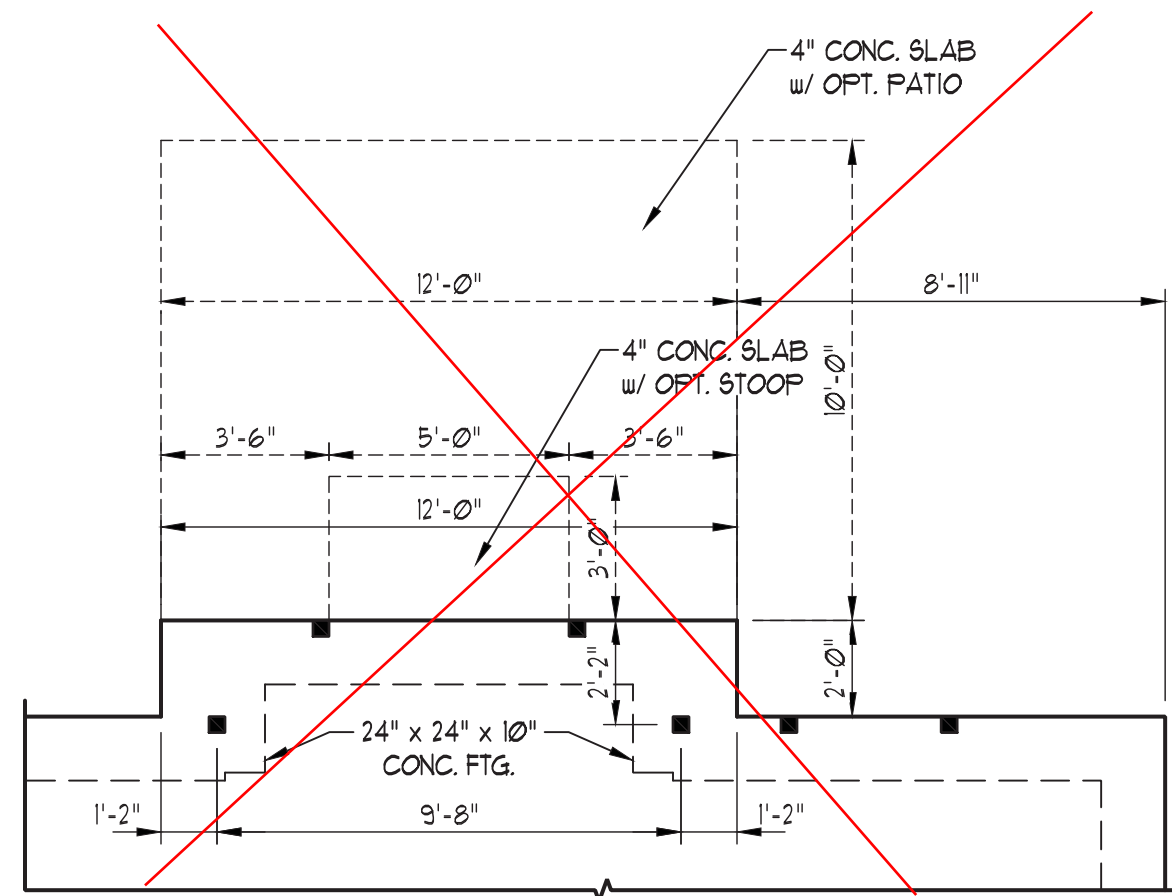
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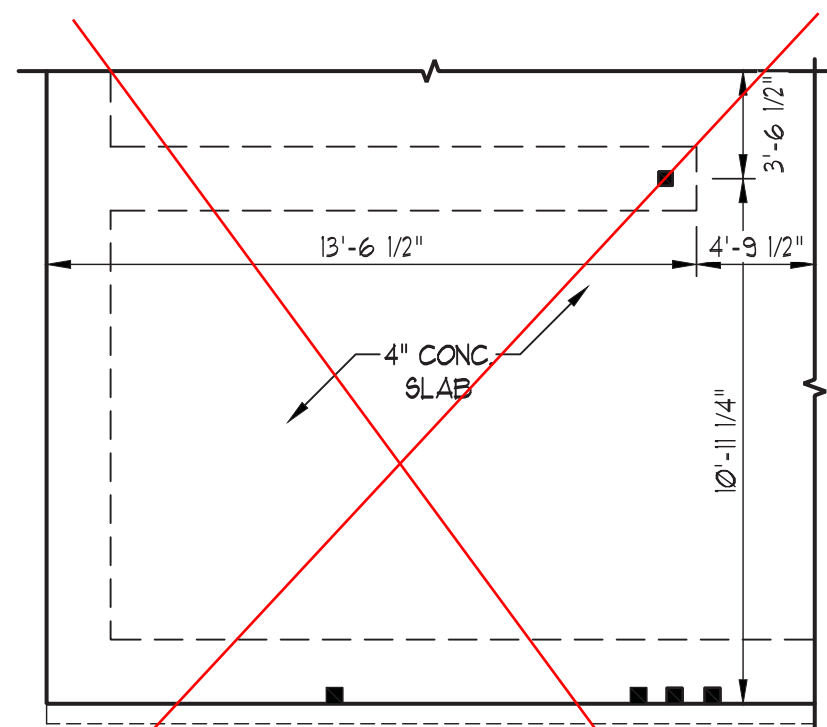
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A-8

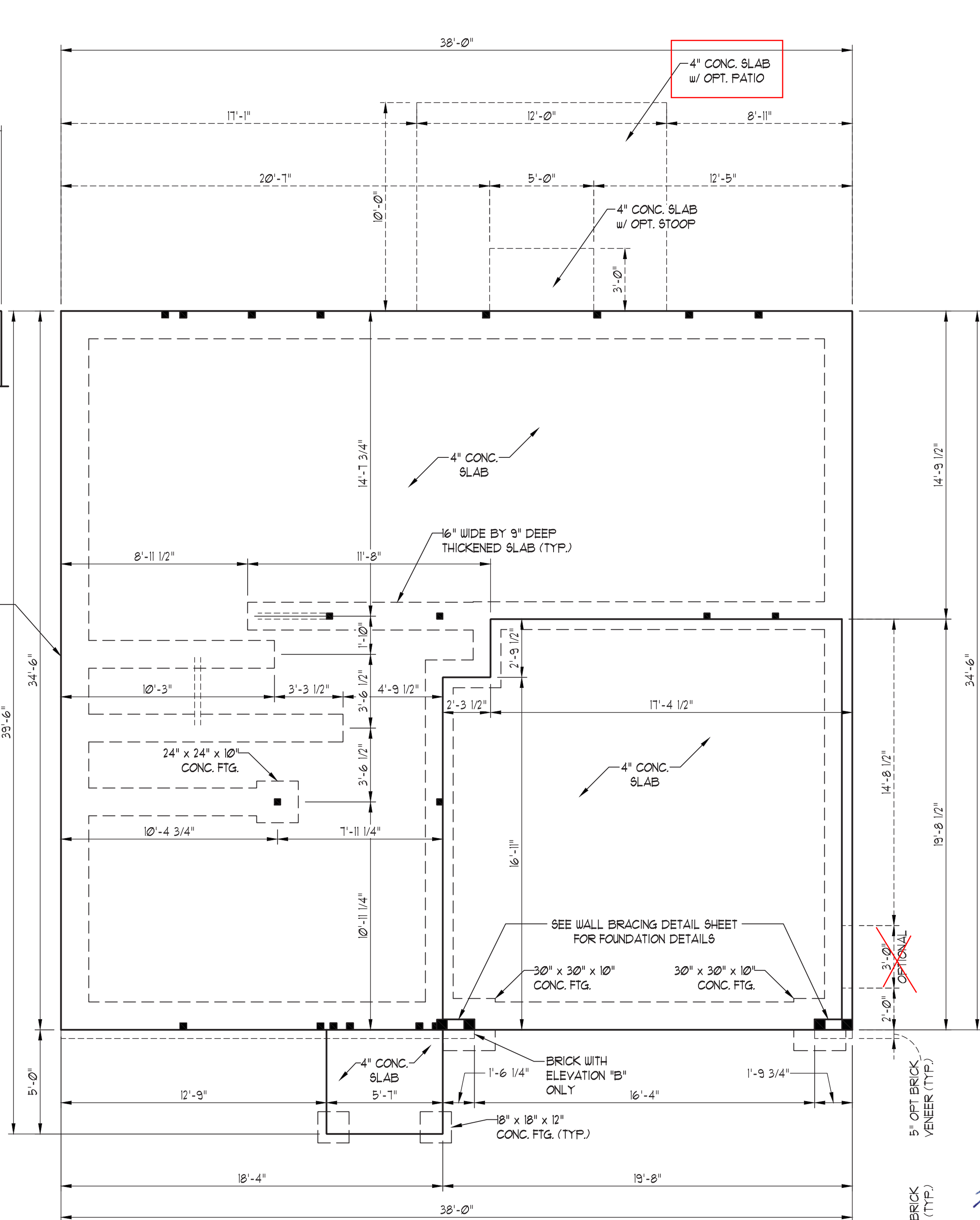


OPTIONAL NOOK EXTENSION

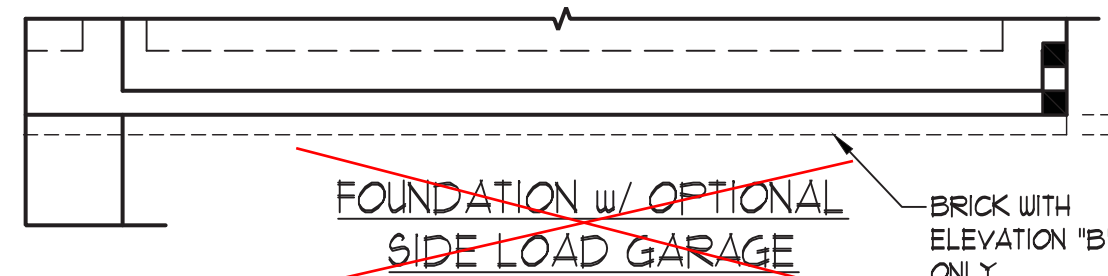
SEE MONOLITHIC SLAB DETAIL SHEET FOR FND. OPTIONS.



OPTIONAL STUDY



TRADITIONAL ELEVATION



FOUNDATION w/ OPTIONAL SIDE LOAD GARAGE

- 120 MPH ULTIMATE DESIGN WIND SPEED
NOTES FOR LESS THAN
30' MEAN ROOF HEIGHT:
- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OR ARCHITECTURAL LAYOUT INCLUDING ROOF SYSTEM.
 - STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
 - INSTALL 1/2" ANCHOR BOLTS 6'-0" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER. ANCHOR BOLTS MUST EXTEND A MINIMUM OF 1" INTO MASONRY OR CONCRETE. LOCATE BOLT WITHIN MIDDLE THIRD OF PLATE WIDTH.
 - MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
 - EXTERIOR WALLS DESIGNED FOR 120 MPH WINDS.
 - WALL CLADDING DESIGNED FOR +5.5 PSF AND -20 PSF (+/- INDICATE POSITIVE / NEGATIVE PRESSURE (TYP)).
 - ROOF CLADDING DESIGNED FOR +4.2 PSF AND -18 PSF FOR ROOF PITCHES 1/12 TO 12/12 AND +0 PSF AND -36 PSF FOR ROOF PITCHED 2 25/12 TO 1/12.
 - INSTALL 1/16" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STORIES IN ACCORDANCE WITH SECTION R602.10.3 OF THE NRC, 2018 EDITION. SEE THE WALL BRACING NOTES AND DETAILS SHEET FOR MORE INFORMATION.
 - ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NRC, 2018 EDITION.
 - 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
SFF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TRTD	PRESSURE TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE



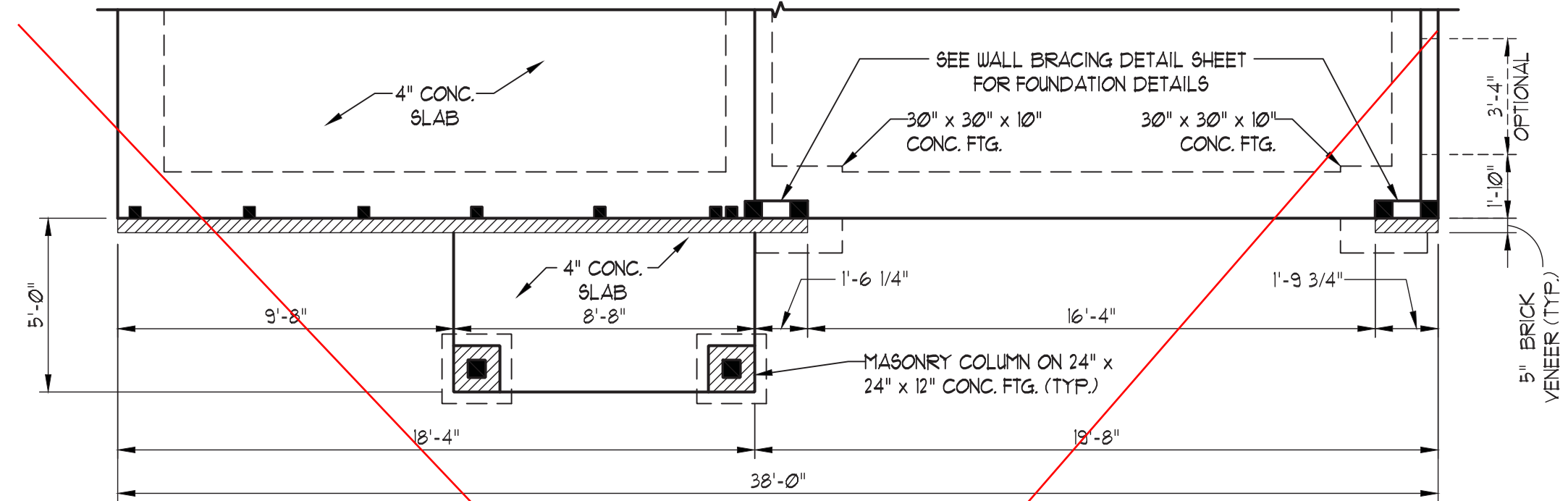
3/10/2022

J.S. THOMPSON
ENGINEERING, INC
606 WADE AVE. SUITE 104 RALEIGH, NC 27605
PHONE: (919) 789-9919 FAX: (919) 789-9921
N.C. LICENSE NO.: C-1173

EDISON - 2179
HH HUNT HOMES

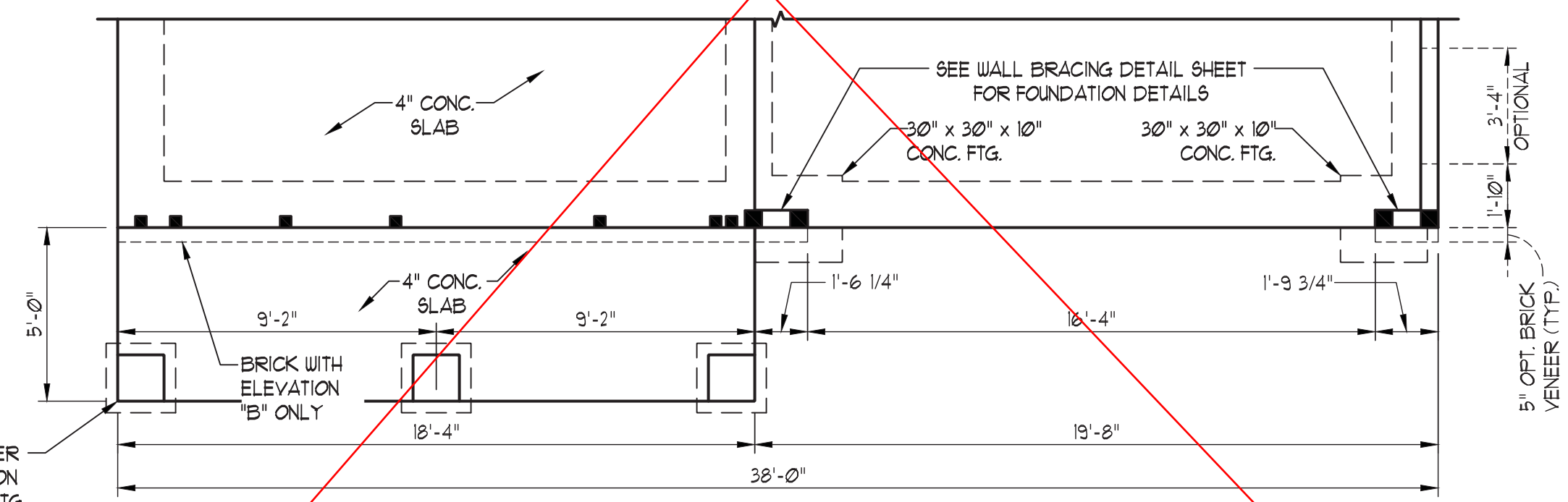
DATE: MARCH 10, 2022
SCALE: 1/4" = 1'-0"
DRAWN BY: HH HUNT
ENGINEERED BY: JAG

SHEET 3 OF 17
S-1.2a
MONO SLAB
FOUNDATION PLAN



MODERN ELEVATION

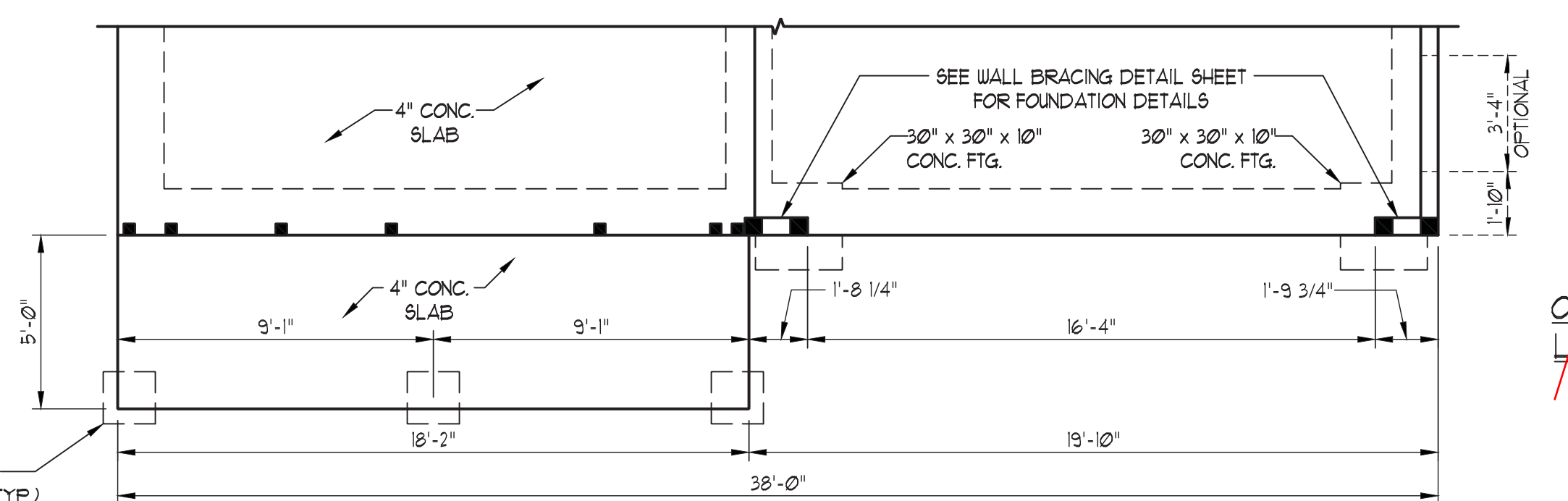
FOUNDATION w/ OPTIONAL SIDE LOAD GARAGE



CRAFTSMAN ELEVATION

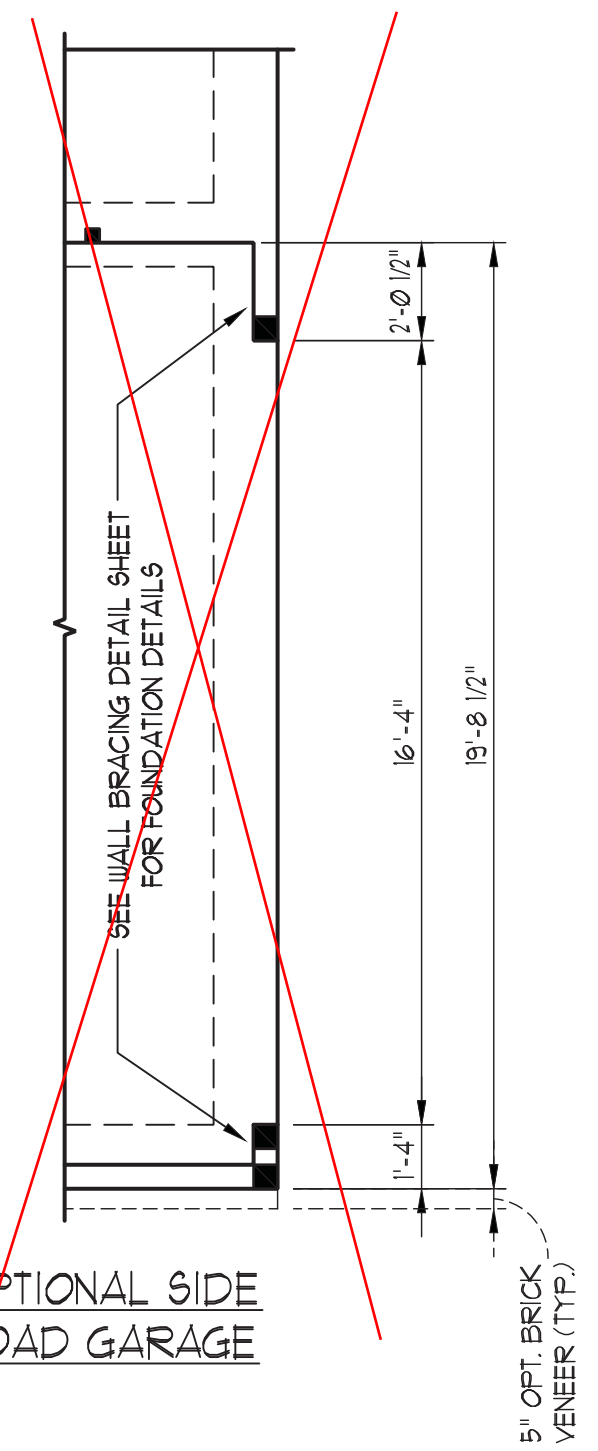
FOUNDATION w/ OPTIONAL SIDE LOAD GARAGE

16" x 16" MASONRY PIER (INCLUDING VENEER) ON 24" x 24" x 12" CONC. FTG. (TYP.)



FARMHOUSE ELEVATION

FOUNDATION w/ OPTIONAL SIDE LOAD GARAGE



OPTIONAL SIDE LOAD GARAGE

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 N.C. LICENSE NO.: C-1733

EDISON - 2179
 HH HUNT HOMES

DATE: MARCH 10, 2022
 SCALE: 1/4" = 1'-0"
 DRAWN BY: HH HUNT
 ENGINEERED BY: JAG

SHEET 4 OF 17
 S-1.2b
 MONO SLAB
 FOUNDATION PLAN

NOTE:

- TJI 210 JOISTS MAY BE USED IN LIEU OF BCI 5000s-18 JOISTS AT THE DEPTH AND SPACING NOTED ON THE PLAN.
- SEE SHEET D-1 FOR FLOOR TRUSS ALTERNATIVE.

BRACED WALL DESIGN

RECTANGLE A

SIDE 1A (FRONT LOAD)
 METHOD: CS-WSP/FF
 TOTAL REQUIRED LENGTH: 11.95'
 TOTAL PROVIDED LENGTH: 12.15'

SIDE 2A
 METHOD: CS-WSP
 TOTAL REQUIRED LENGTH: 11.95'
 TOTAL PROVIDED LENGTH: 23.75'

SIDE 3A
 METHOD: CS-WSP
 TOTAL REQUIRED LENGTH: 13.11'
 TOTAL PROVIDED LENGTH: 34.5'

SIDE 4A (SIDE LOAD)
 METHOD: CS-WSP/FF
 TOTAL REQUIRED LENGTH: 13.11'
 TOTAL PROVIDED LENGTH: 19.25'

BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R602.10 OF THE NRCR 2018 EDITION.
- CS-WSP REFERS TO "CONTINUOUS SHEATHING - 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 WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 1" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM PLATES.
- BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH. FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NRCR 2018 EDITION.
- SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

STRUCTURAL NOTES:

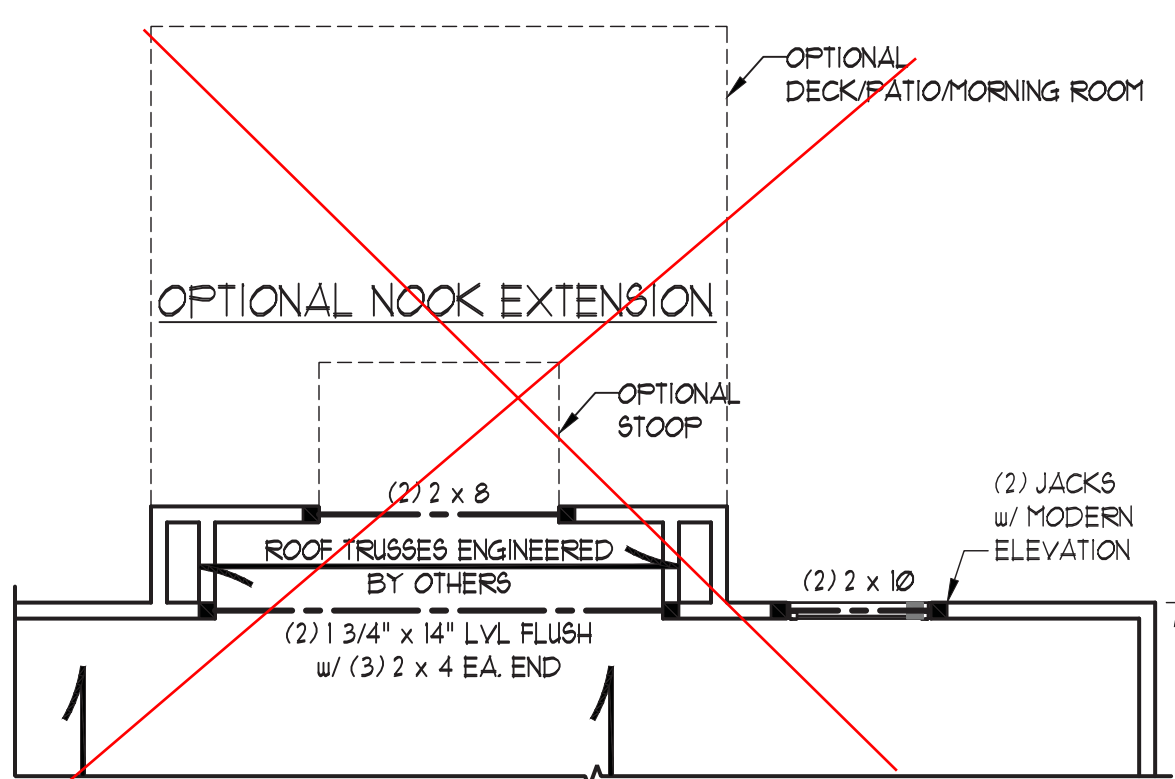
- ALL FRAMING LUMBER TO BE SFF #2 (UNO).
- ALL TREATED LUMBER TO BE SYP #2 (UNO).
- ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 SFF #2 OR SYP #2 (KILN DRIED) (UNO). HEADERS HAVE BEEN DESIGNED BASED ON CALCULATED LOADS. CODE TABLES HAVE NOT BEEN USED.
- INSTALL AN EXTRA JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS.
- WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO). SEE TABLE R602.15 FOR ADDITIONAL KING STUD REQUIREMENTS.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO).
- ALL 4 x 4 POSTS SHALL BE ANCHORED TO SLABS w/ SIMPSON ABU44 POST BASES (OR EQUAL) AND 6 x 6 POSTS w/ ABU66 POST BASES (OR EQUAL) (UNO). ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS AT TOP (UNO).
- FOR FIBERGLASS, ALUMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO SLAB w/ (2) METAL ANGLES USING 2" CONC. SCREWS. FASTEN ANGLES TO COLUMNS w/ 1/4" THROUGH BOLTS w/ NUTS AND WASHERS. LOCATE ANGLES ON OPPOSITE SIDES OF COLUMN. THROUGH BOLTS MUST BE INSTALLED PRIOR TO SETTING COLUMN.
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

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 HH HUNT HOMES

DATE: MARCH 10, 2022
 SCALE: 1/4" = 1'-0"
 DRAWN BY: HH HUNT
 ENGINEERED BY: JAG

SHEET: 7 OF 17
 S-2a
 SECOND FLOOR FRAMING PLAN

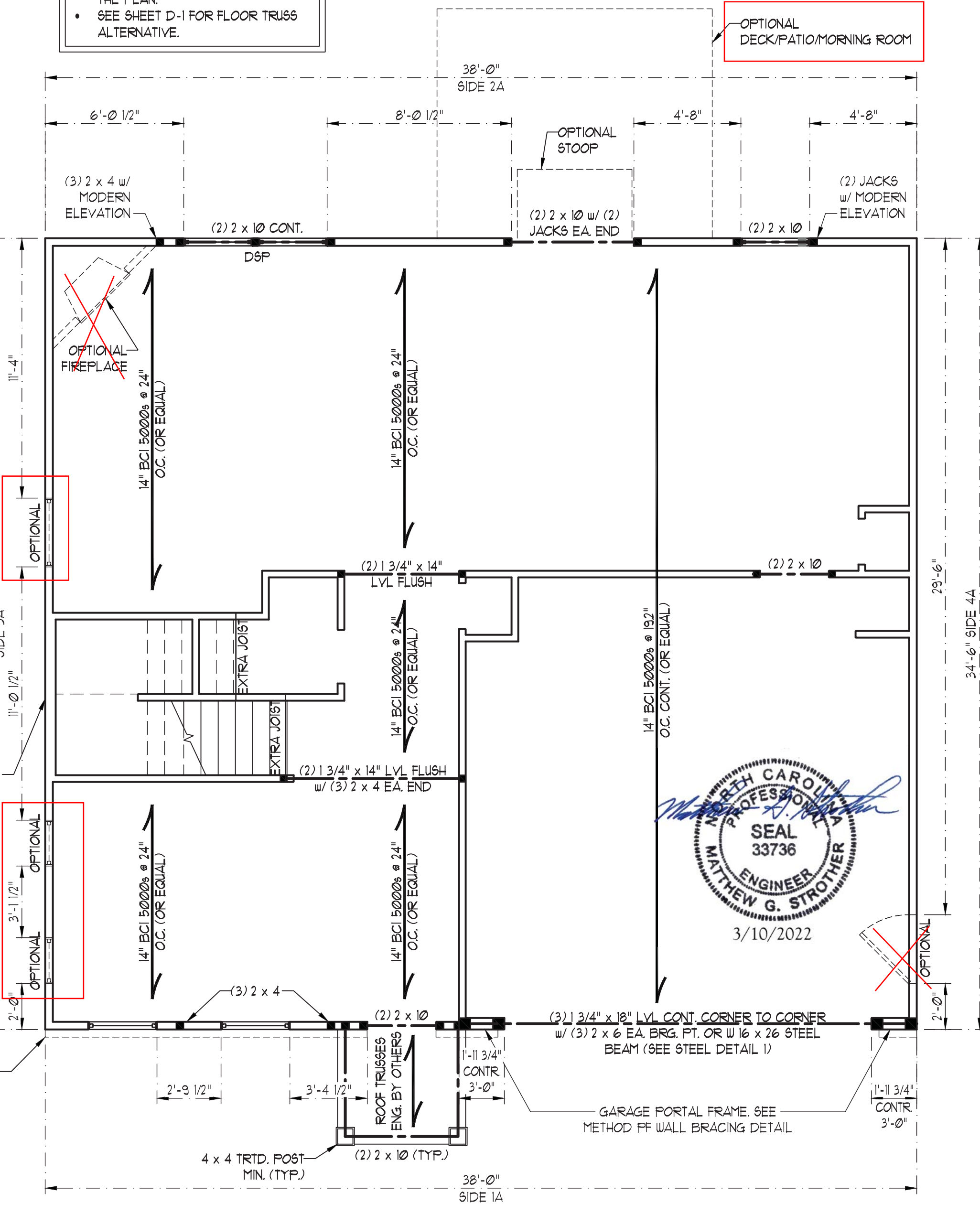
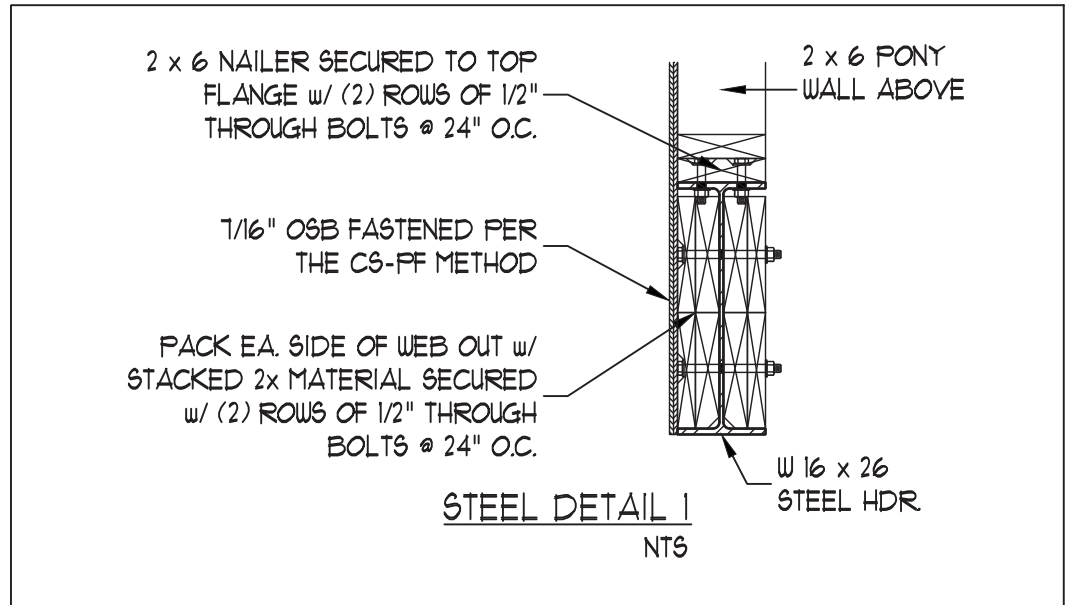
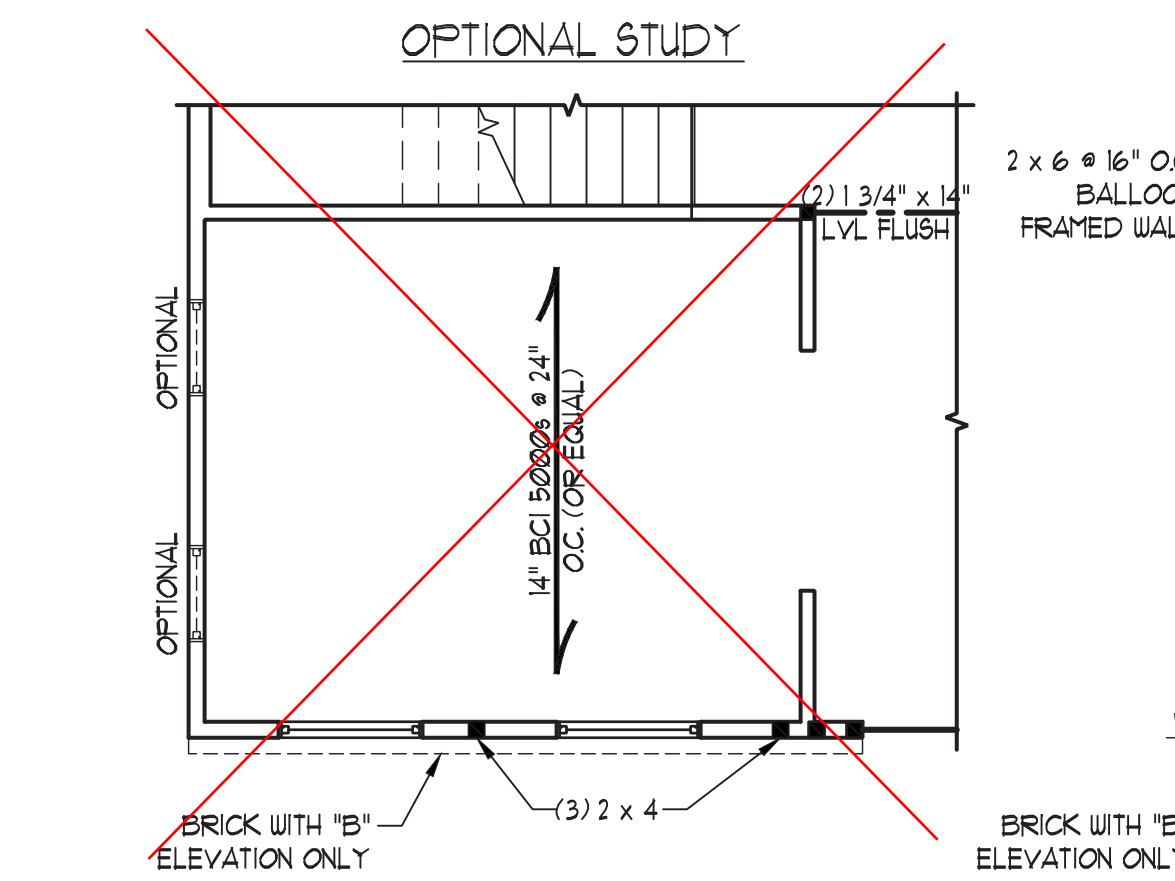


LEGEND

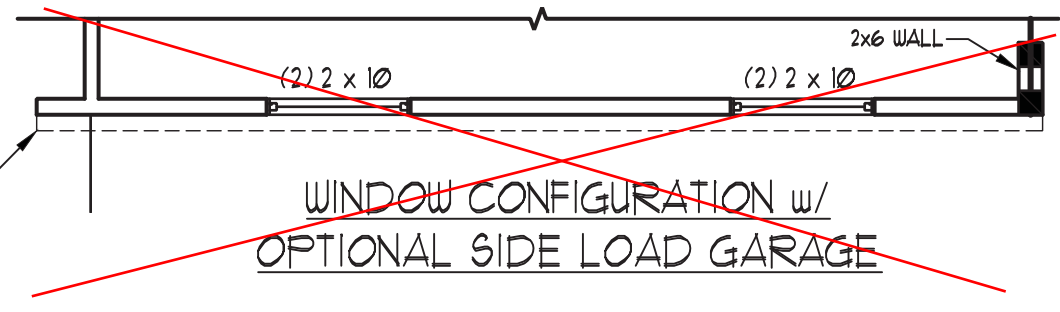
CONT	CONTINUOUS
XJ	EXTRA JOIST
DJ	DOUBLE JOIST
TJ	TRIPLE JOIST
EA	EACH
()	NUMBER OF STUDS
D&P	DOUBLE STUD POCKET
T&P	TRIPLE STUD POCKET
OC	ON CENTER
SFF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TRTD	PRESSURE TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

TABLE R602.15
 MINIMUM NUMBER OF FULL HEIGHT KING STUDS AT EACH END OF HEADERS IN EXTERIOR WALLS

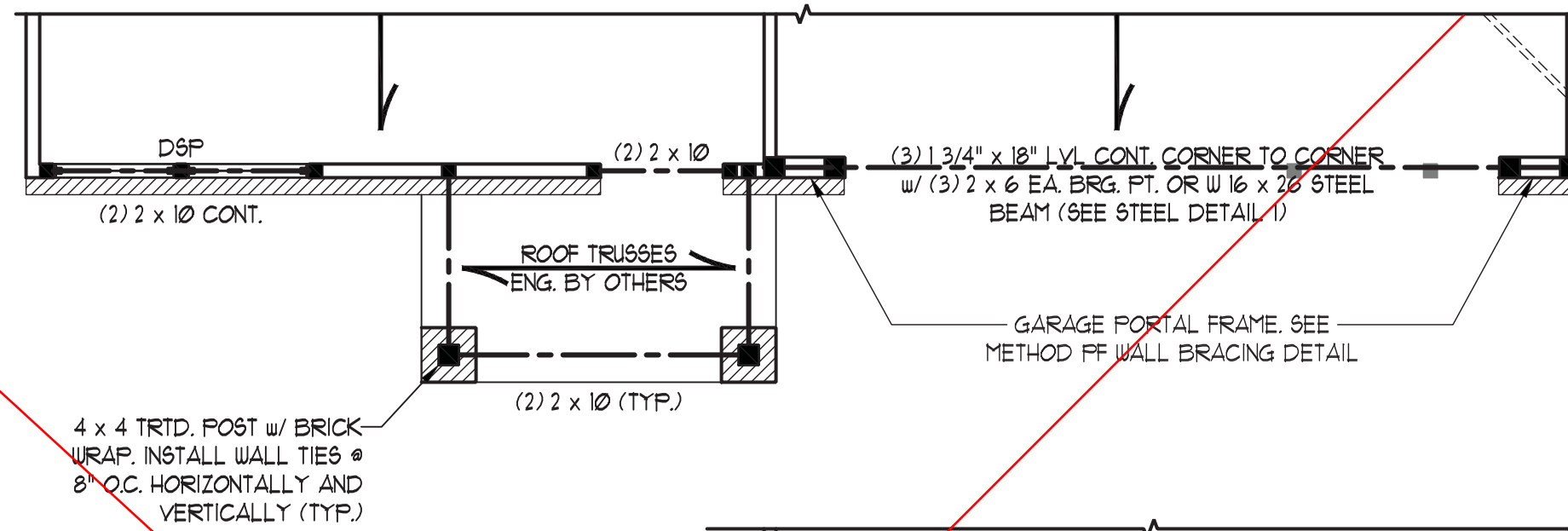
HEADER SPAN (FEET)	MINIMUM NUMBER OF FULL HEIGHT STUDS (KINGS)
UP TO 3'	1
> 3' TO 6'	2
> 6' TO 9'	3
> 9' TO 12'	4
> 12' TO 15'	5



TRADITIONAL ELEVATION



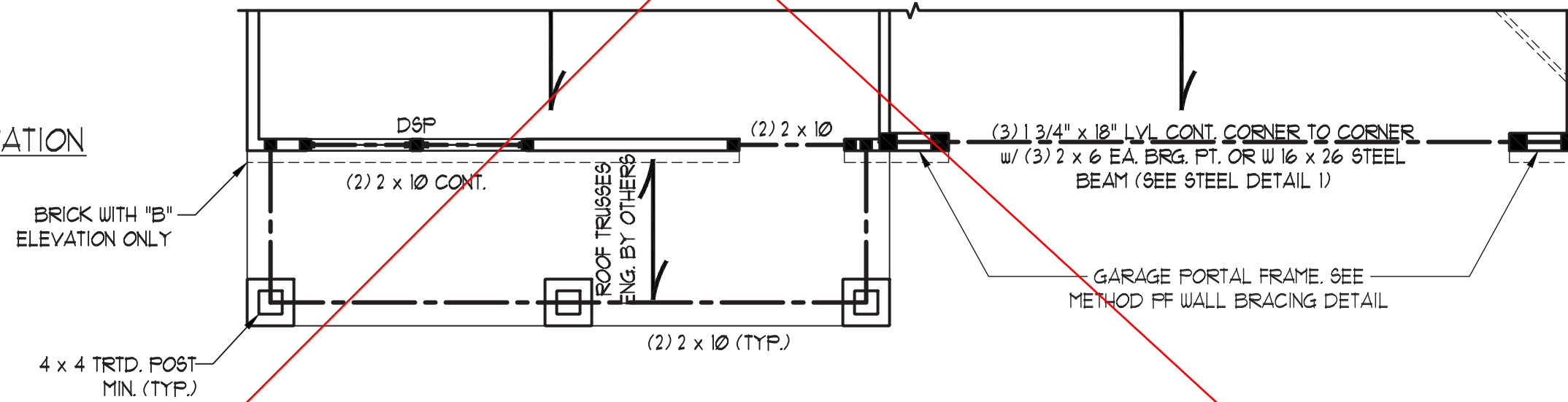
MODERN ELEVATION



4 x 4 TRTD. POST w/ BRICK WRAP. INSTALL WALL TIES @ 8" O.C. HORIZONTALLY AND VERTICALLY (TYP.)

WINDOW CONFIGURATION w/ OPTIONAL SIDE LOAD GARAGE

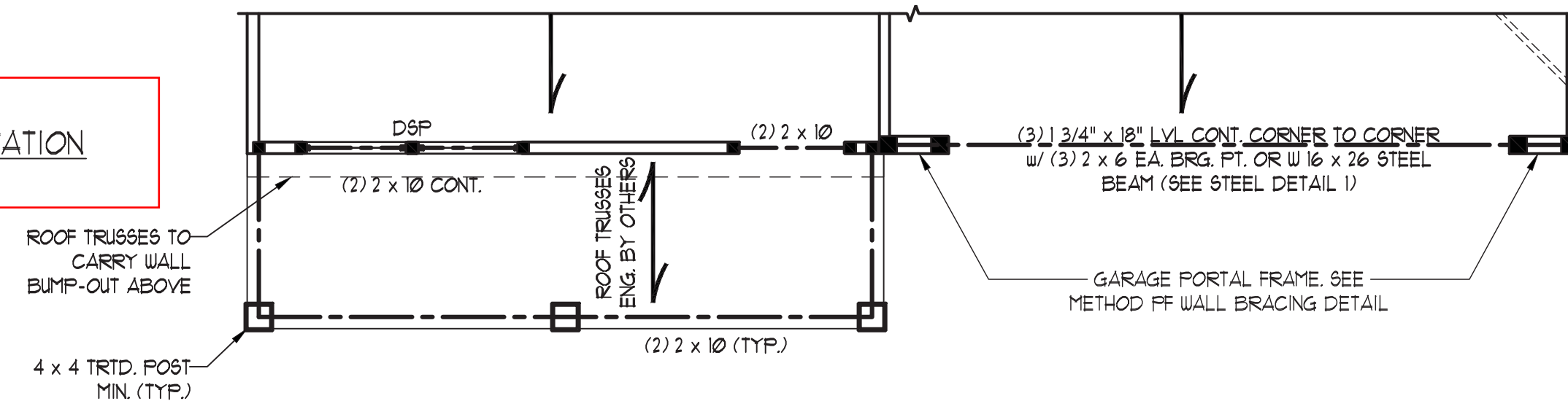
CRAFTSMAN ELEVATION



BRICK WITH "B" ELEVATION ONLY

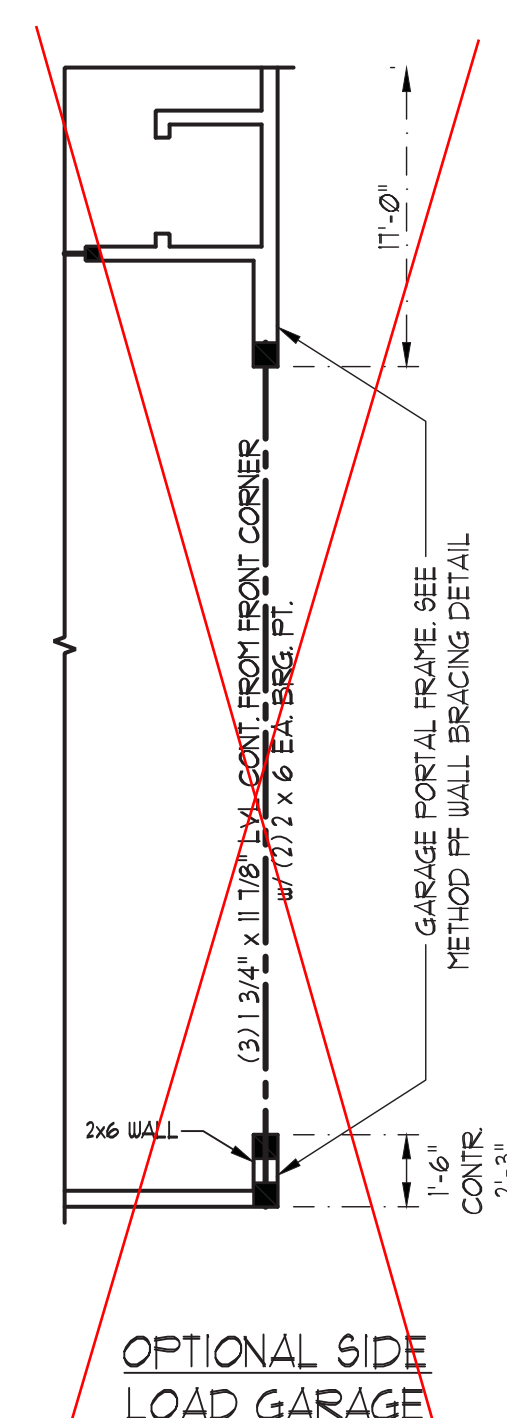
WINDOW CONFIGURATION w/ OPTIONAL SIDE LOAD GARAGE

FARMHOUSE ELEVATION



ROOF TRUSSES TO CARRY WALL BUMP-OUT ABOVE

WINDOW CONFIGURATION w/ OPTIONAL SIDE LOAD GARAGE



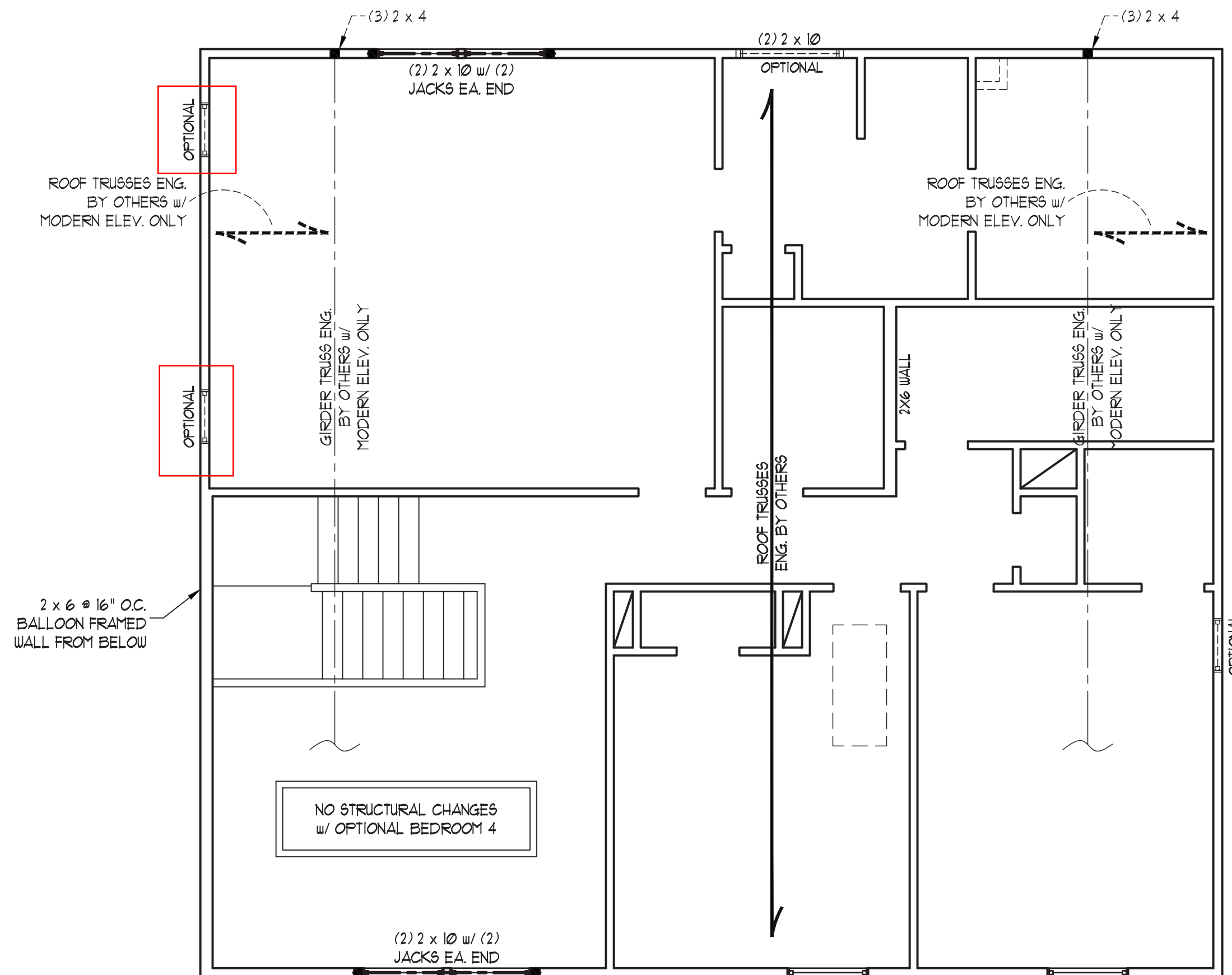
OPTIONAL SIDE LOAD GARAGE

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 N.C. LICENSE NO.: C-1173

EDISON - 2179
 HH HUNT HOMES

DATE: MARCH 10, 2022
 SCALE: 1/4" = 1'-0"
 DRAWN BY: HH HUNT
 ENGINEERED BY: JAG

SHEET: 8 OF 17
 S-2b
 SECOND FLOOR FRAMING PLAN



2 x 6 @ 16" O.C.
BALLOON FRAMED
WALL FROM BELOW

NO STRUCTURAL CHANGES
w/ OPTIONAL BEDROOM 4



3/10/2022

TRADITIONAL ELEVATION

LEGEND	
CONT	CONTINUOUS
XJ	EXTRA JOIST
DJ	DOUBLE JOIST
TJ	TRIPLE JOIST
EA	EACH
()	NUMBER OF STUDS
D&P	DOUBLE STUD POCKET
T&P	TRIPLE STUD POCKET
OC	ON CENTER
SFF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TRTD	PRESSURE TREATED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

BRACED WALL DESIGN NOTES:

- BRACED WALL DESIGN PER SECTION R602.10 OF THE NCR 2018 EDITION.
- CS-W&P REFERS TO "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" CONTRACTOR IS TO INSTALL 7/16" OSB ON ALL EXTERIOR WALLS ATTACHED w/ 8d NAILS @ 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 WALL BOARD WHERE NOTED ON THE PLANS. FASTEN GB WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 1" O.C. ALONG PANEL EDGES AND IN THE FIELD INCLUDING TOP AND BOTTOM PLATES.
- BRACED WALL DESIGN APPLIED IN WIND ZONES UP TO 130 MPH. FOR HIGH WIND ZONES, BRACE WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 45 OF THE NCR 2018 EDITION.
- SEE NOTES AND DETAIL SHEETS FOR ADDITIONAL BRACED WALL INFORMATION.

NOTE:

- PER SECTION R602.10.3.2 OF THE 2018 NCR, THE AMOUNT OF BRACING ON THE SECOND FLOOR EXCEEDS THE AMOUNT REQUIRED FOR THE FIRST FLOOR AND NO BRACED WALL ANALYSIS IS REQUIRED.
- SHEATH ALL EXTERIOR WALLS WITH 7/16" OSB SHEATHING ATTACHED WITH 8d NAILS AT 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD.

STRUCTURAL NOTES:

- ALL FRAMING LUMBER TO BE #2 SFF (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 R602.15 FOR ADDITIONAL KING STUD REQUIREMENTS.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SQUARES TO BE (2) STUDS (UNO.)
- REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

TABLE R602.15
MINIMUM NUMBER OF FULL HEIGHT KING STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

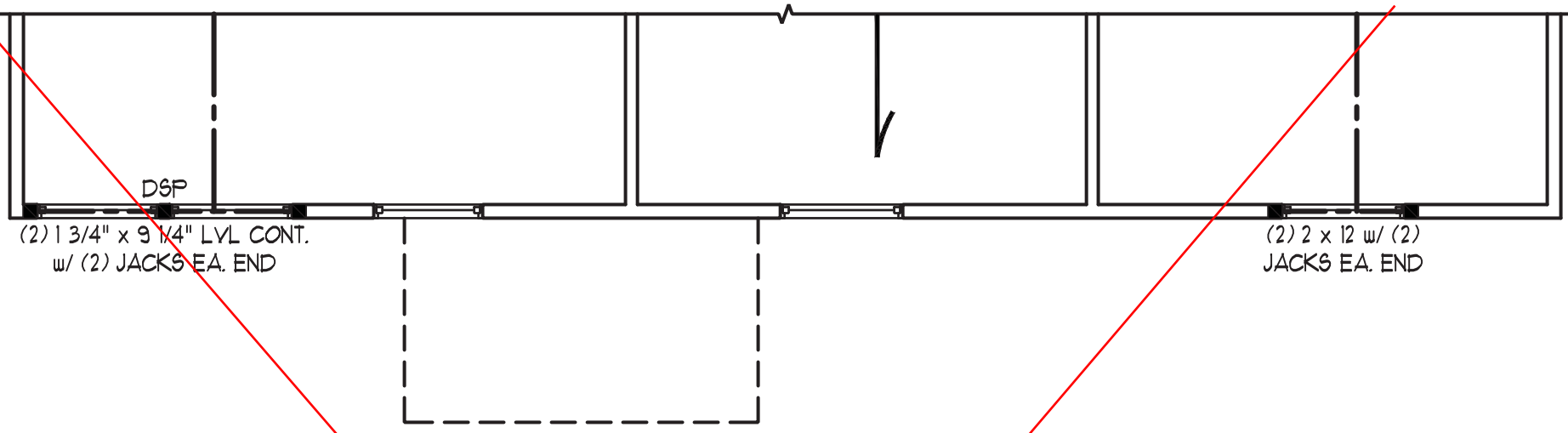
HEADER SPAN (FEET)	MINIMUM NUMBER OF FULL HEIGHT STUDS (KINGS)
UP TO 3'	1
> 3' TO 6'	2
> 6' TO 9'	3
> 9' TO 12'	4
> 12' TO 15'	5

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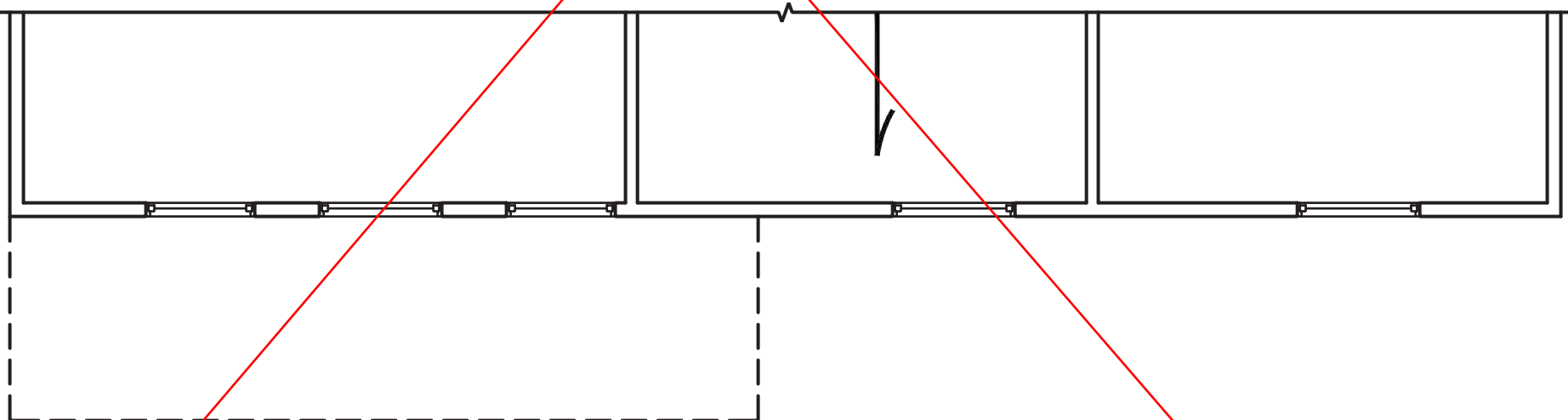
EDISON - 2179
HH HUNT HOMES

DATE: MARCH 10, 2022
SCALE: 1/4" = 1'-0"
DRAWN BY: HH HUNT
ENGINEERED BY: JAG

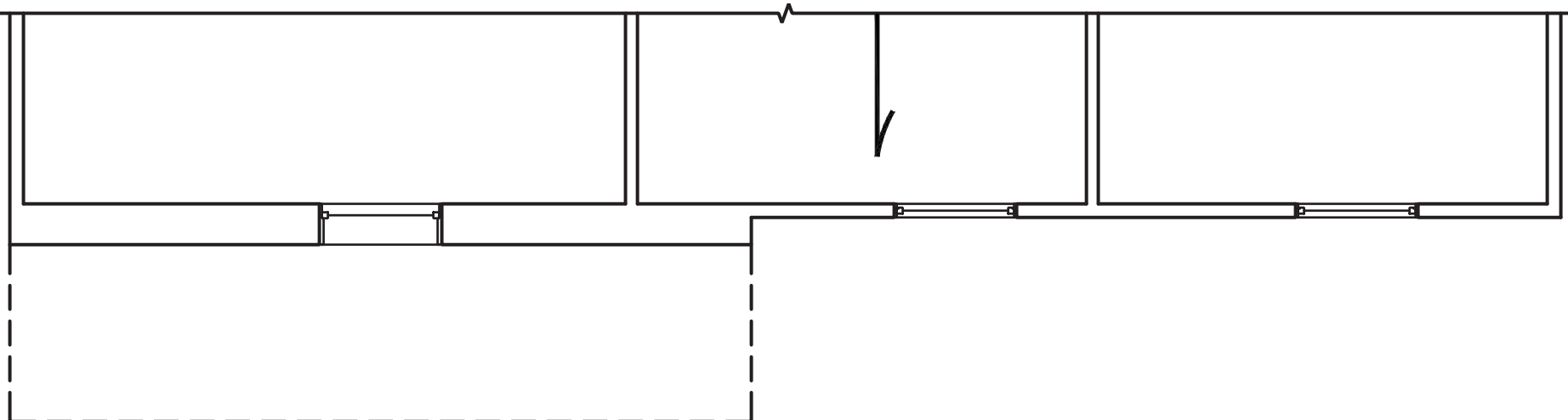
SHEET: 9 OF 17
S-3a
CEILING FRAMING
PLAN



MODERN ELEVATION



CRAFTSMAN ELEVATION



FARMHOUSE ELEVATION

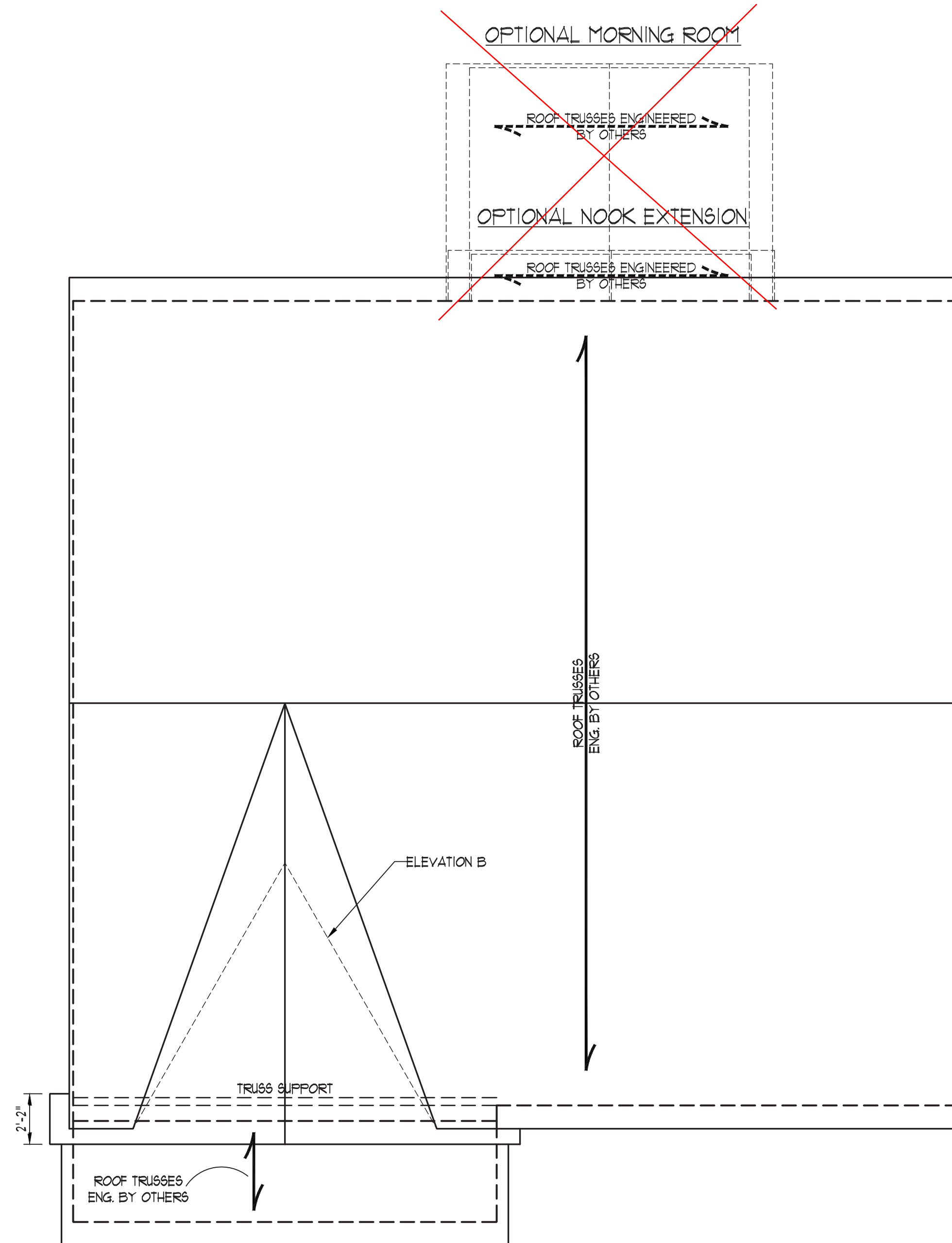
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EDISON - 2179
HH HUNT HOMES

DATE: MARCH 10, 2022
SCALE: 1/4" = 1'-0"
DRAWN BY: HH HUNT
ENGINEERED BY: JAG

Matthew G. Strother
NORTH CAROLINA
PROFESSIONAL
SEAL
33736
ENGINEER
MATTHEW G. STROTHER
3/10/2022

SHEET: 10 OF 17
S-3b
CEILING FRAMING
PLAN



FARMHOUSE ELEVATION

- STRUCTURAL NOTES:**
1. ALL FRAMING LUMBER TO BE #2 SFF (UNO).
 2. CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF SUPPORT.
 3. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS. HIP SPLICES ARE TO BE SPACED A MIN. OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS @ 16" O.C. (TYP.)
 4. 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.
 5. 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.
 6. REFER TO SECTION R802.11 OF THE 2018 NRC FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES.
 7. REFER TO NOTES AND DETAIL SHEETS FOR ADDITIONAL STRUCTURAL INFORMATION.

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

LEGEND

XT	EXTRA TRUSS
TS	TRUSS SUPPORT
CONT	CONTINUOUS
EA	EACH
OC	ON CENTER
SFF	SPRUCE PINE FIR
SYP	SOUTHERN YELLOW PINE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

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EDISON - 2179
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 ENGINEERED BY: JAG

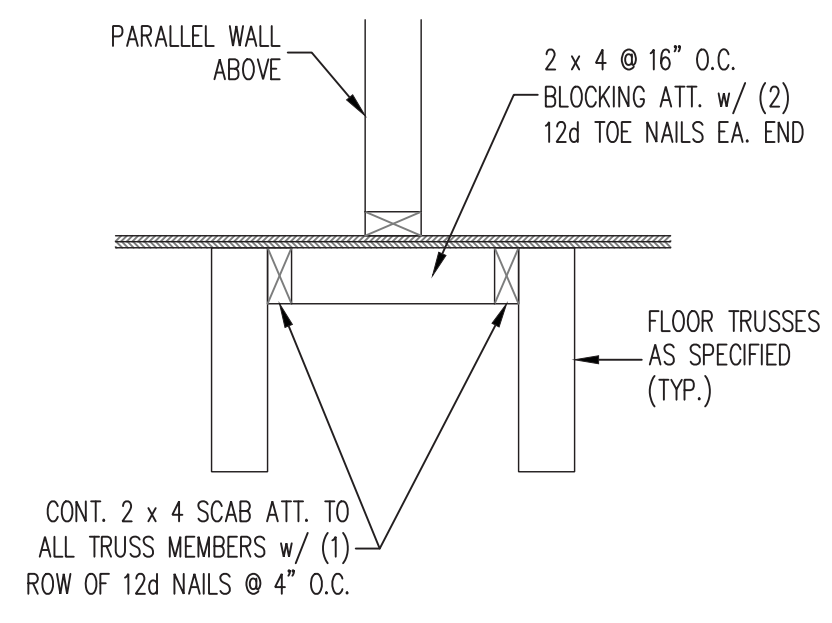
SEAL
 33736
 MATTHEW G. STROTHER
 ENGINEER
 NORTH CAROLINA PROFESSIONAL SEAL

3/10/2022

DATE: MARCH 10, 2022
 SCALE: 1/4" = 1'-0"
 DRAWN BY: HH HUNT
 ENGINEERED BY: JAG

SHEET: 12 OF 17
 S-4b
 ROOF FRAMING PLAN

FLOOR TRUSS ALTERNATIVE



1. FLOOR TRUSSES ENGINEERED BY OTHERS AT THE DEPTH INDICATED ON THE PLAN SPACED AT 19.2" O.C. MAY BE USED IN LIEU OF I-JOISTS.
2. EXTRA TRUSSES ARE TO BE INSTALLED IN LIEU OF EXTRA JOISTS SPECIFIED UNDER THE KITCHEN.
3. INSTALL 2 x 4 @ 16" O.C. BLOCKING BETWEEN ADJACENT TRUSSES UNDER WALLS PARALLEL TO FLOOR TRUSSES WHERE WALL LENGTH EXCEEDS 1/3 OF TRUSS SPAN (SEE DETAIL THIS SHEET). TRUSS DESIGNER TO DESIGN ADJACENT TRUSSES FOR ADDITIONAL LOADING FROM WALLS.

CONT. 2 x 4 SCAB ATT. TO ALL TRUSS MEMBERS w/ (1) ROW OF 12d NAILS @ 4" O.C.

TRUSS BLOCKING DETAIL

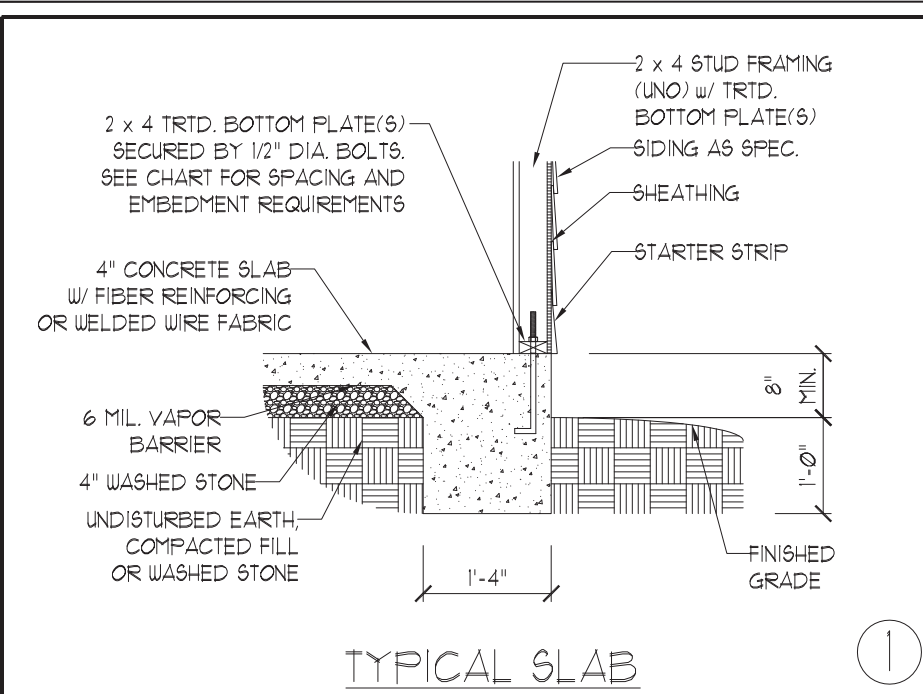


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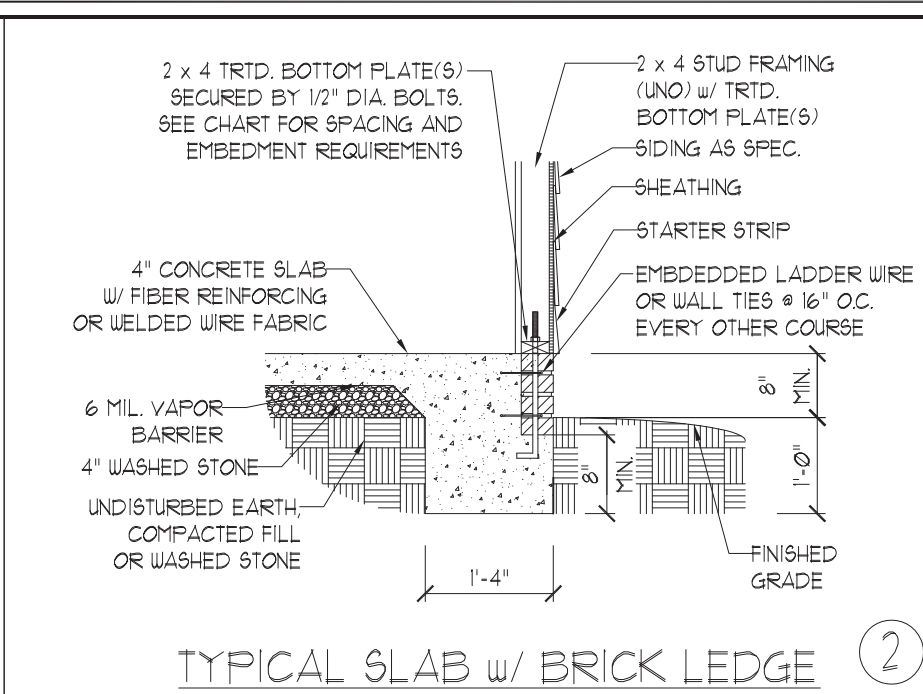
DATE: MARCH 10, 2022
SCALE: 1/4" = 1'-0"
DRAWN BY: HH HUNT
ENGINEERED BY: JAG

SHEET 17 OF 17

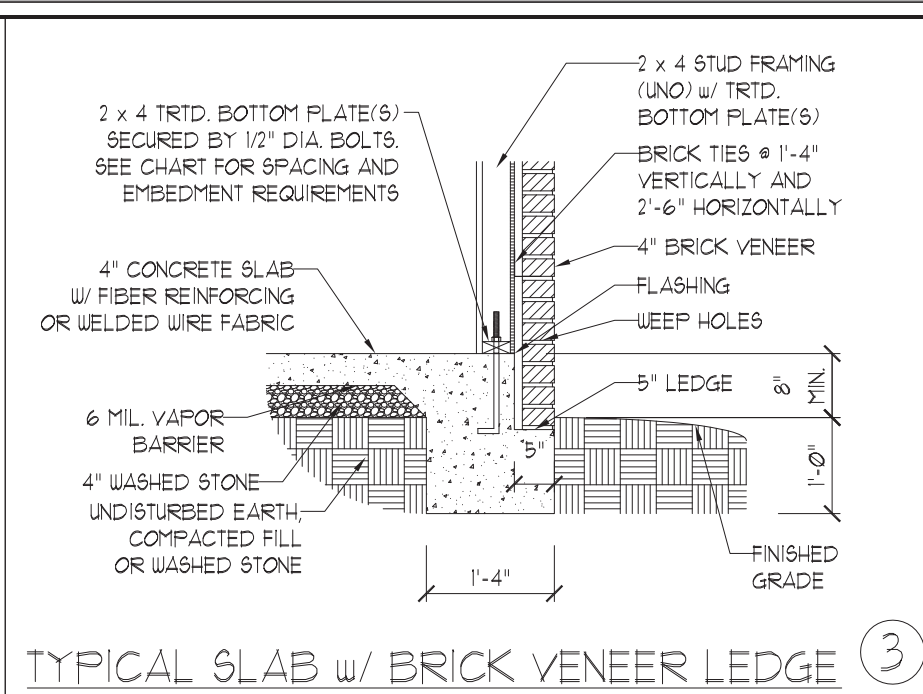
D1
FLOOR TRUSS
ALTERNATIVE



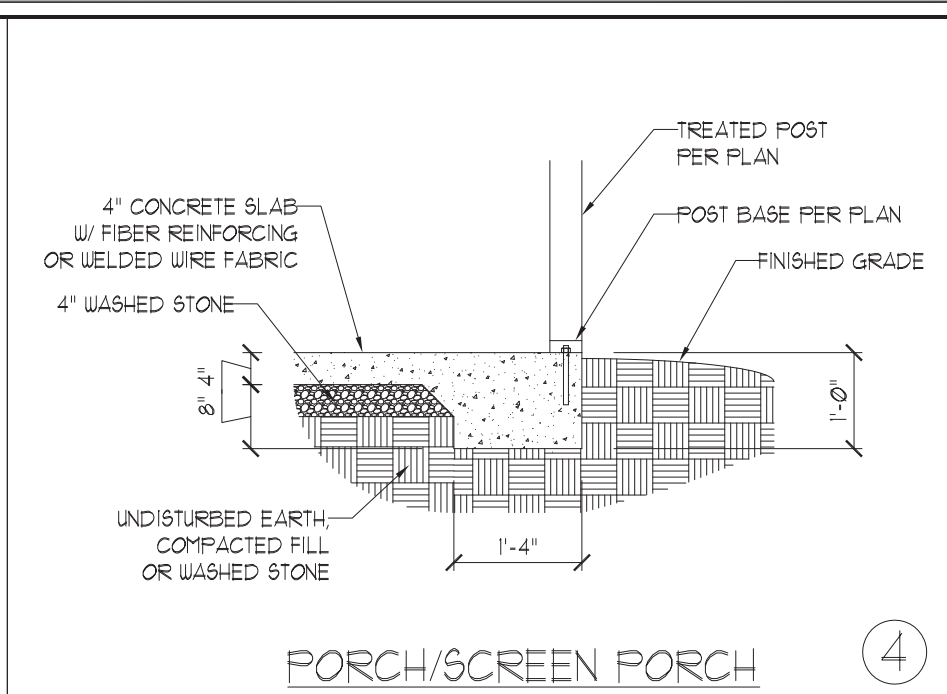
TYPICAL SLAB ①



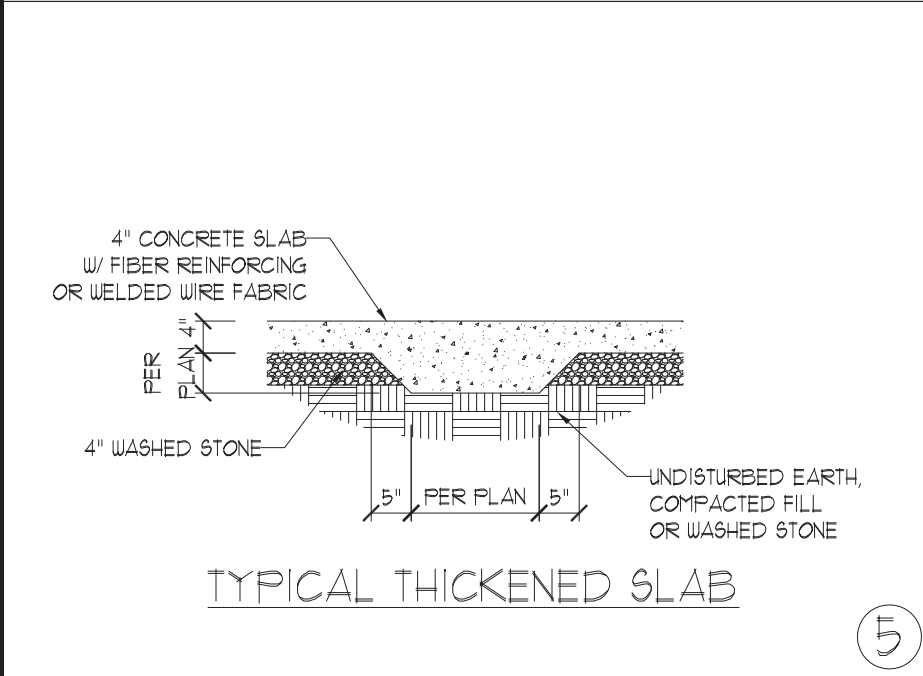
TYPICAL SLAB w/ BRICK LEDGE ②



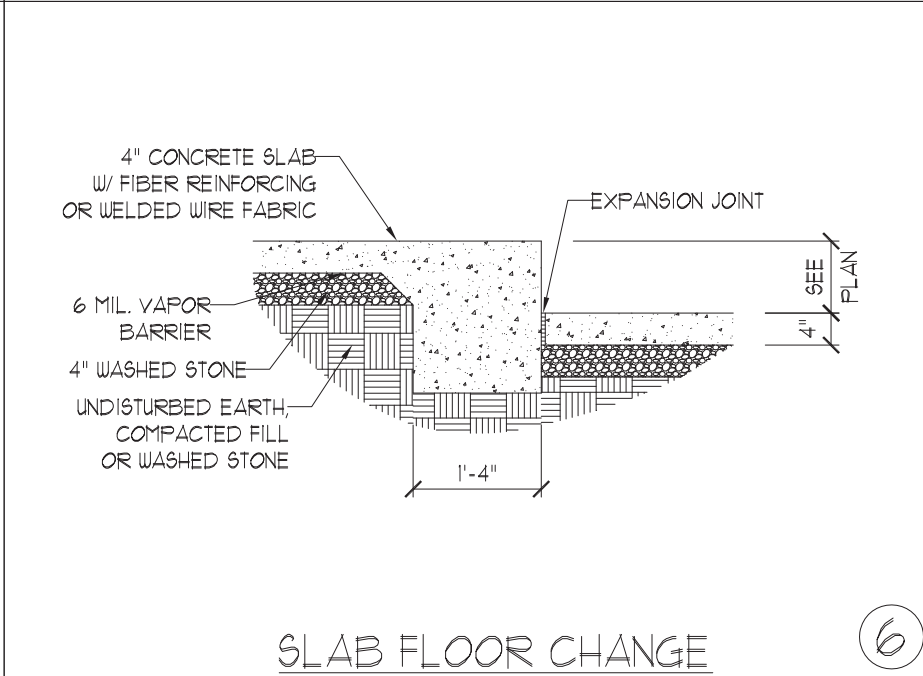
TYPICAL SLAB w/ BRICK VENEER LEDGE ③



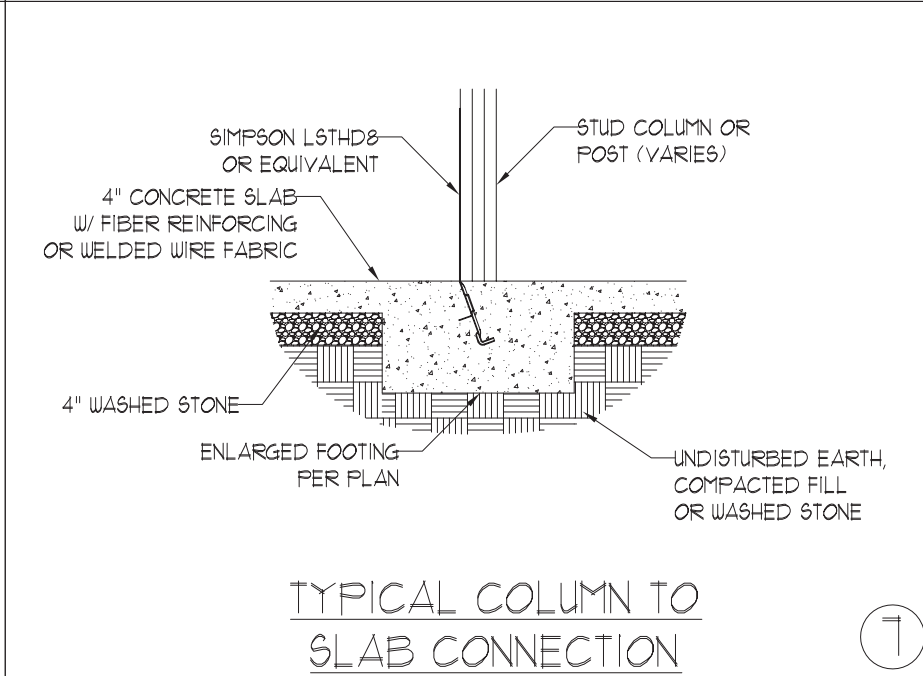
PORCH/SCREEN PORCH ④



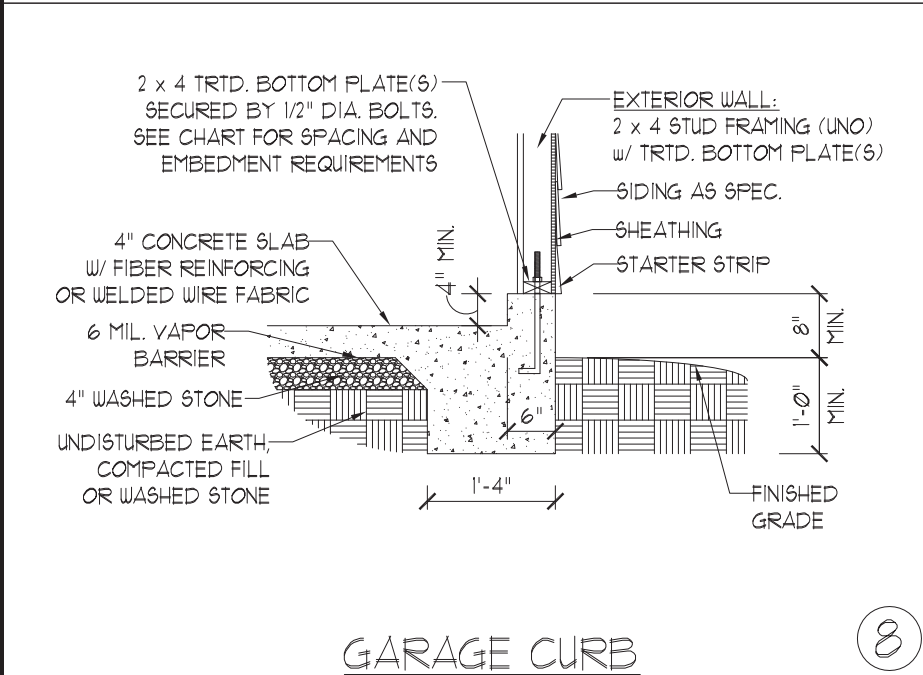
TYPICAL THICKENED SLAB ⑤



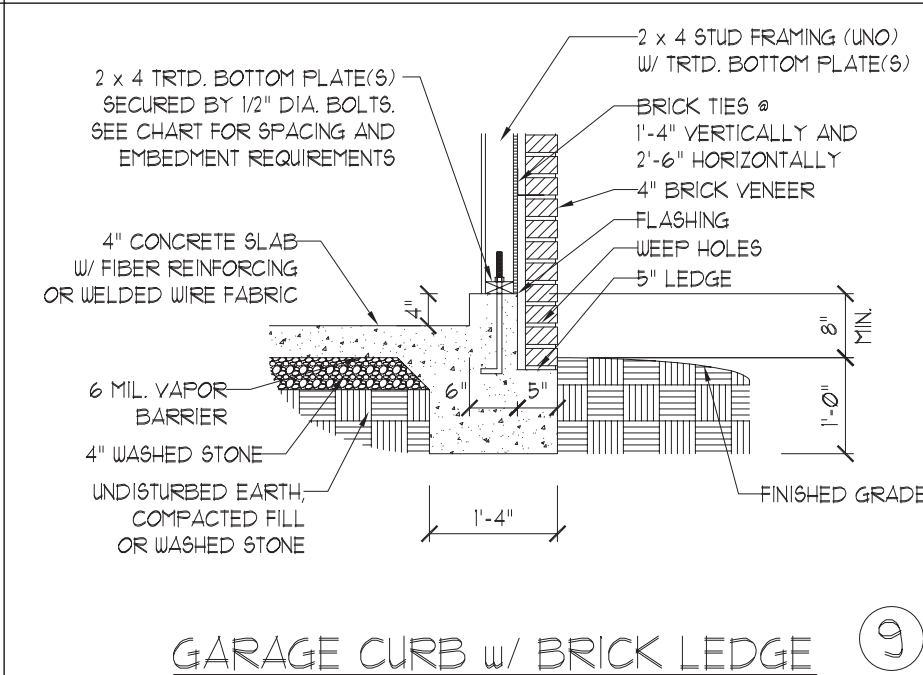
SLAB FLOOR CHANGE ⑥



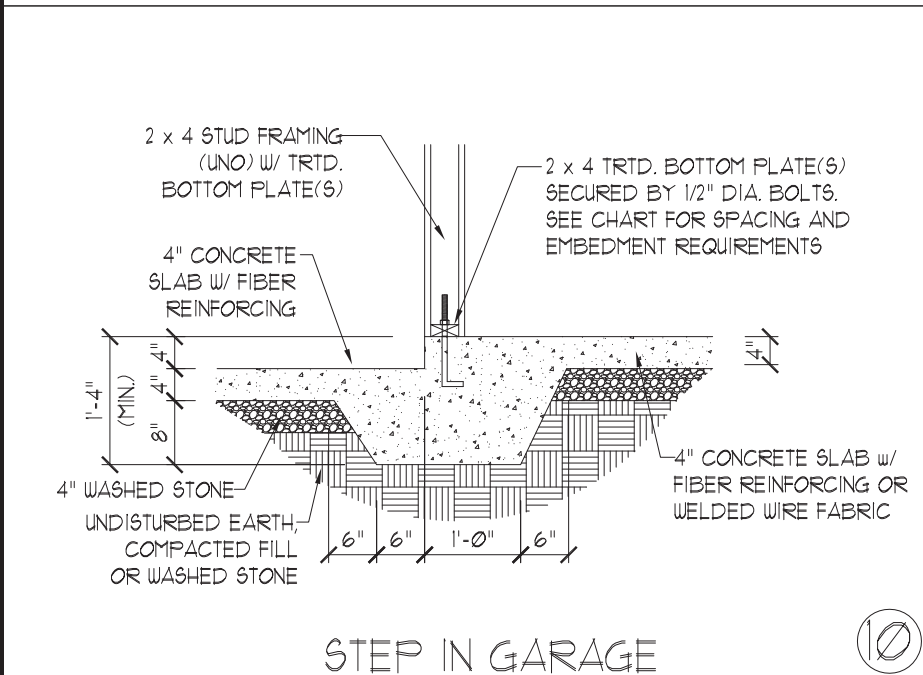
TYPICAL COLUMN TO SLAB CONNECTION ⑦



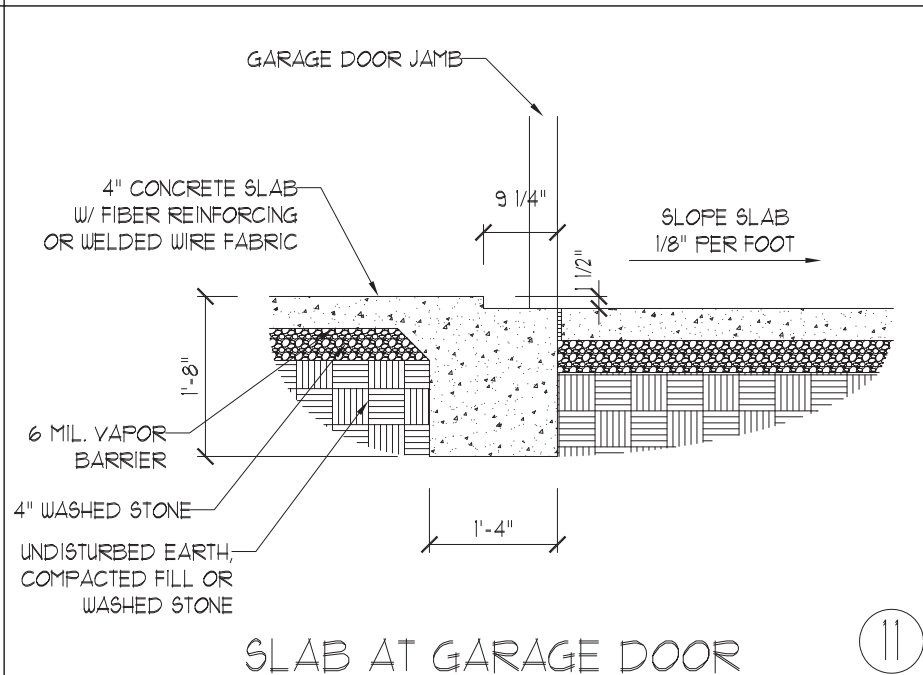
GARAGE CURB ⑧



GARAGE CURB w/ BRICK LEDGE ⑨



STEP IN GARAGE ⑩



SLAB AT GARAGE DOOR ⑪

ANCHOR SPACING AND EMBEDMENT		
WIND ZONE	120 MPH	130 MPH
SPACING	6'-0" O.C. INSTALL MIN. (2) ANCHORS PER PLATE SECTION AND (1) ANCHOR WITHIN 12" OF CORNERS	4'-0" O.C. INSTALL MIN. (2) ANCHORS PER PLATE SECTION AND (1) ANCHOR WITHIN 12" OF CORNERS
EMBEDMENT	7"	15" INTO MASONRY 7" INTO CONCRETE

NOTE:
THREADED ROD WITH EPOXY,
SIMPSON TITEN HD, OR APPROVED
ANCHORS SPACED AS REQUIRED
TO PROVIDE EQUIVALENT
ANCHORAGE TO 1/2" DIAMETER
ANCHOR BOLTS MAY BE USED IN
LIEU OF 1/2" ANCHOR BOLTS.

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MONOLITHIC SLAB
FOUNDATION DETAILS



3/10/2022

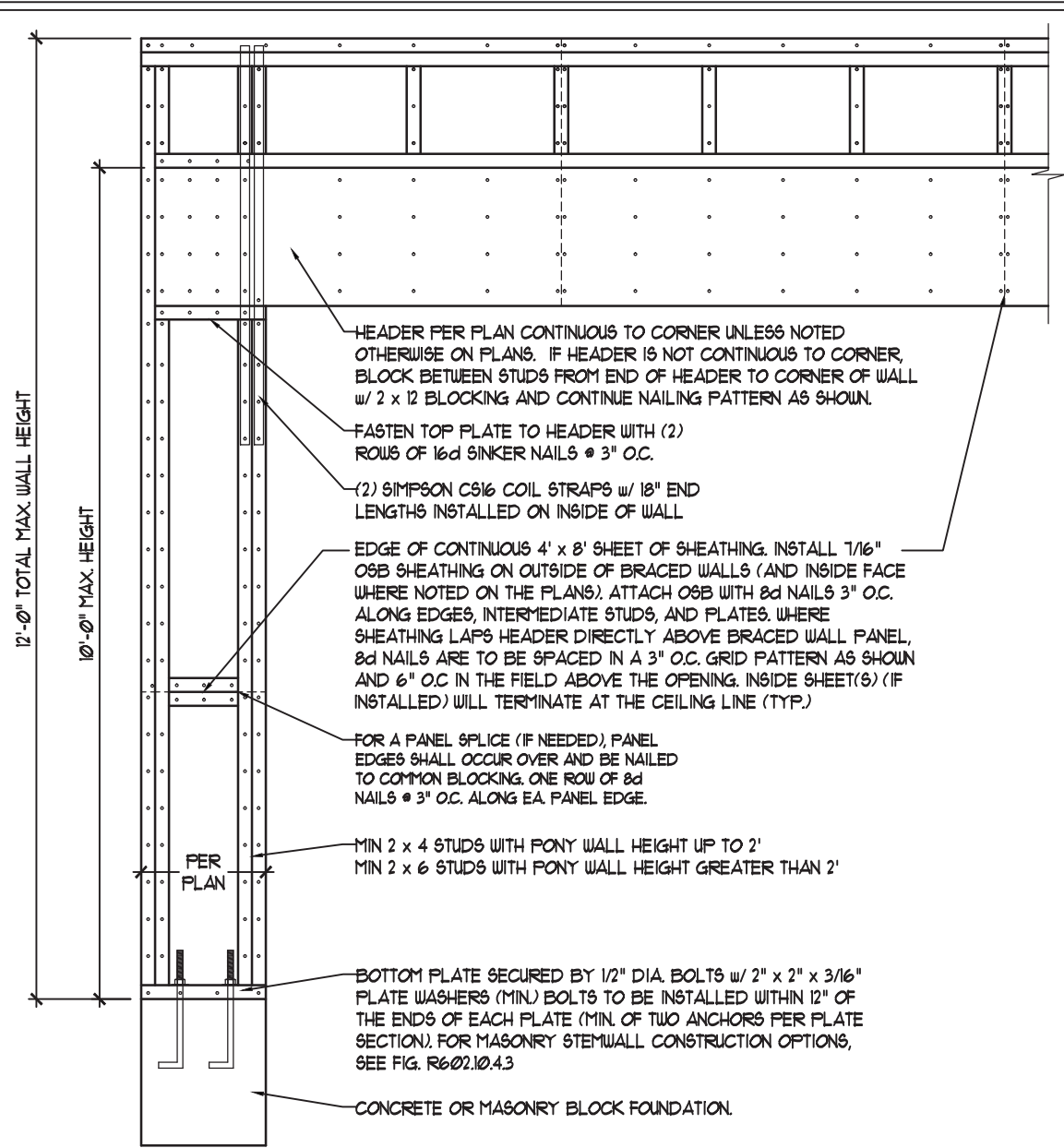
DATE: NOVEMBER 1, 2018
SCALE: NTS
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ENGINEERED BY: JST

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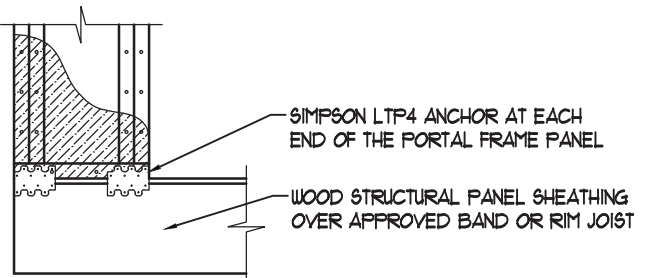
FOUNDATION
DETAILS

GENERAL WALL BRACING NOTES:

1. WALL BRACING DESIGNED IN ACCORDANCE WITH CHAPTER 6 OF THE 2018 NC RESIDENTIAL BUILDING CODE (NRC). TABLES AND FIGURES REFERENCED ARE FROM THE 2018 NRC.
2. SEE THIS SHEET FOR GENERAL DETAILS. REFER TO THE 2018 NRC FOR ADDITIONAL INFORMATION AS NEEDED.
3. BRACED EXTERIOR WALLS SUPPORTING ROOF TRUSSES AND RAFTERS, INCLUDING STORIES BELOW THE TOP FLOOR, HAVE BEEN DESIGNED PER R602.3.5 (3) WALL SHEATHING AND FASTENERS HAVE BEEN DESIGNED TO RESIST COMBINED UPLIFT AND SHEAR FORCES IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE.
4. SEE STRUCTURAL SHEETS FOR BRACED WALL LOCATIONS, DIMENSIONS, HOLD DOWN TYPE AND LOCATIONS, BRACED WALL LINE KEY WITH WALL DESIGN SUMMARY OF REQUIRED/PROVIDED TOTALS FOR EACH WALL LINE AND ANY SPECIAL NOTES OR REQUIREMENTS.
5. ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH CS-WSP IN ACCORDANCE WITH SECTION R602.10.3 UNLESS NOTED OTHERWISE.
6. ALL EXTERIOR AND INTERIOR WALLS TO HAVE 1/2" GYPSUM INSTALLED. WHEN NOT USING METHOD "GB", GYPSUM TO BE FASTENED PER TABLE R102.3.5, METHOD GB TO BE FASTENED PER TABLE R602.101
7. CS-WSP REFERS TO THE "CONTINUOUS SHEATHING - WOOD STRUCTURAL PANELS" WALL BRACING METHOD. 1/16" OSB SHEATHING IS TO BE INSTALLED ON ALL EXTERIOR WALLS ATTACHED w/ 6d COMMON NAILS OR 8d (2 1/2" LONG x 0.13" DIAMETER) NAILS SPACED 6" O.C. ALONG PANEL EDGES AND 12" O.C. IN THE FIELD (UNO.)
8. GB REFERS TO THE "GYPSUM BOARD" WALL BRACING METHOD. 1/2" (MIN.) GYPSUM WALL BOARD IS TO BE INSTALLED ON BOTH SIDES OF THE BRACED WALL FASTENED WITH 1 1/4" SCREWS OR 1 5/8" NAILS SPACED 7" O.C. ALONG PANEL EDGES INCLUDING TOP AND BOTTOM PLATES AND INTERMEDIATE SUPPORTS (UNO.). VERIFY ALL FASTENER OPTIONS FOR 1/2" AND 5/8" GYPSUM PRIOR TO CONSTRUCTION. FOR INTERIOR FASTENER OPTIONS SEE TABLE R102.3.5. FOR EXTERIOR FASTENER OPTIONS SEE TABLE R602.3(1). EXTERIOR GB TO BE INSTALLED VERTICALLY.
9. REQUIRED BRACED WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R602.10.3, METHOD CS-WSP CONTRIBUTES ITS ACTUAL LENGTH, METHOD GB CONTRIBUTES 5 ITS ACTUAL LENGTH, AND METHOD FF CONTRIBUTES 15 TIMES ITS ACTUAL LENGTH.



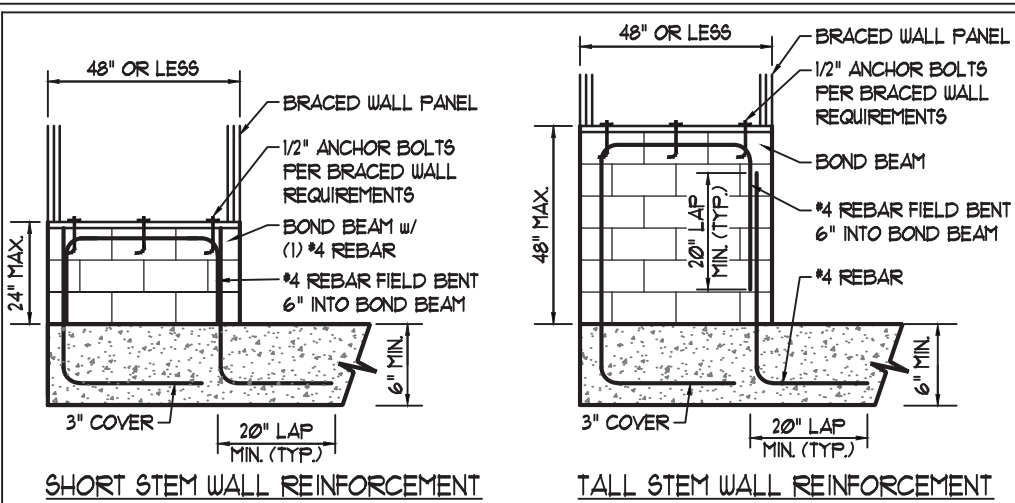
OVER CONCRETE OR MASONRY BLOCK FOUNDATION



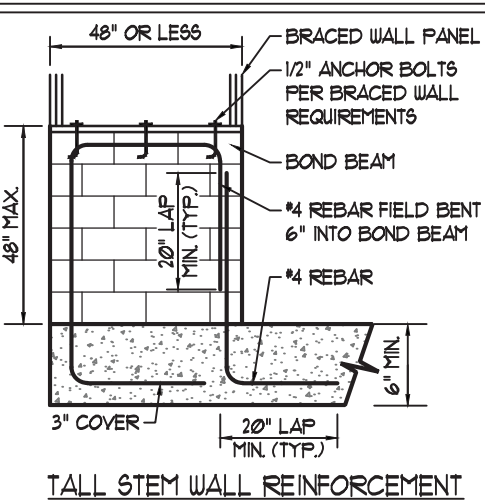
OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION

METHOD PF-PORTAL FRAME DETAIL ①

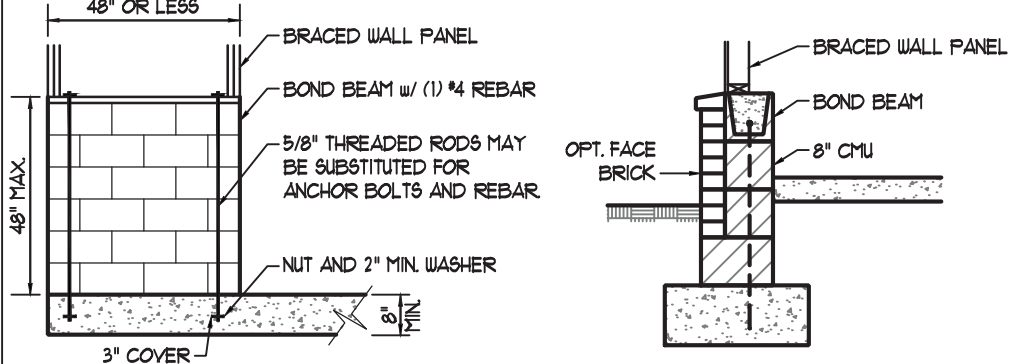
* APPLICABLE w/ GREATER THAN 12" KNEE WALL HEIGHTS
* IN CRAWL SPACE AND ABOVE FRAMED BASEMENT WALLS *



SHORT STEM WALL REINFORCEMENT



TALL STEM WALL REINFORCEMENT



TYPICAL STEM WALL SECTION

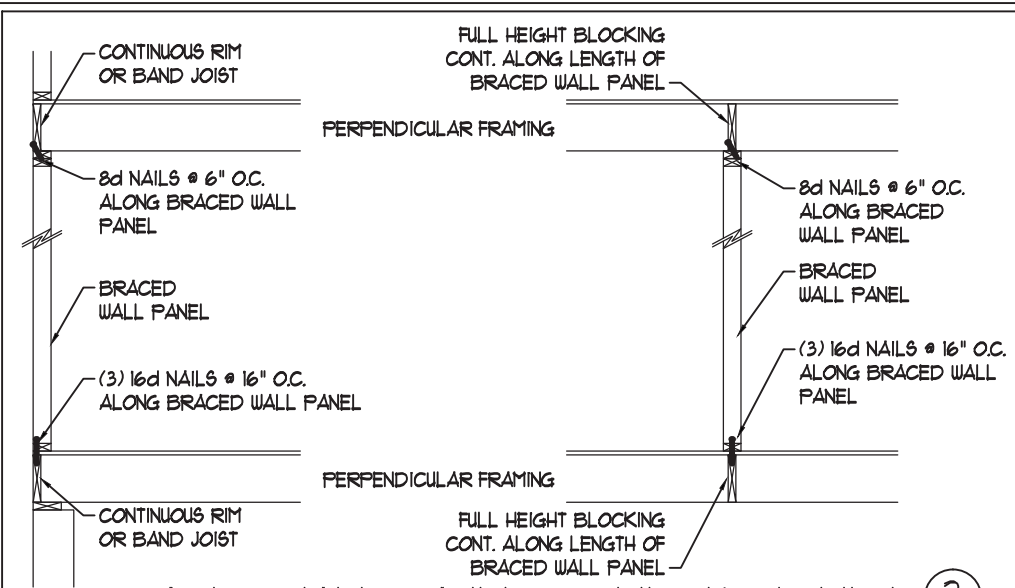
RODS MAY BE INSTALLED USING AN ADHESIVE ANCHORING SYSTEM WITH A MINIMUM TENSILE CAPACITY OF 3750 LBS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECS.

OPTIONAL STEM WALL REINFORCEMENT

NOTE: GROUT BOND BEAMS AND ALL CELLS WHICH CONTAIN REBAR, THREADED RODS AND ANCHOR BOLTS

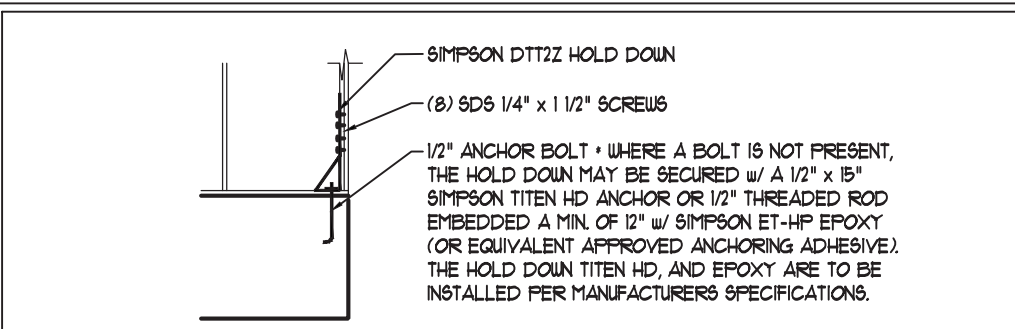
MASONRY STEM WALLS SUPPORTING BRACED WALL PANELS ②

PER FIGURE R602.10.4.3



BRACED WALL PANEL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING ③

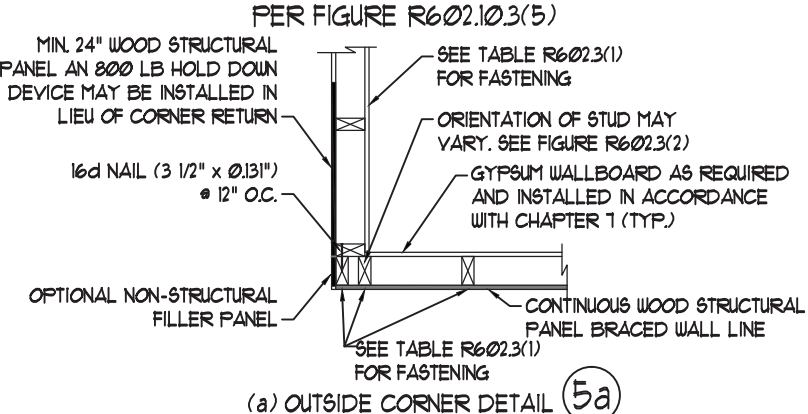
PER FIGURE R602.10.4.4(1)



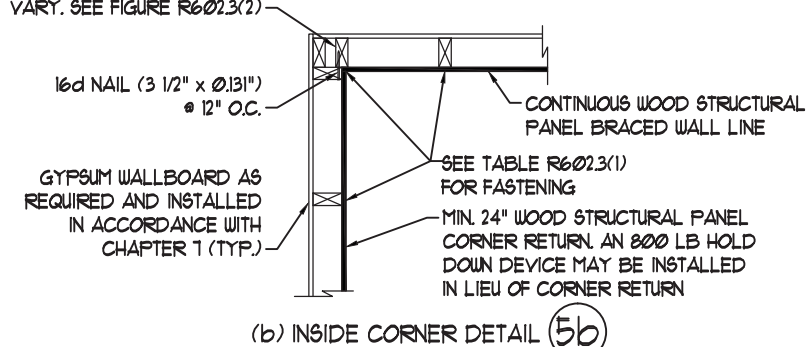
HOLD DOWN DETAIL FOR MASONRY FOUNDATION OR MONOLITHIC SLAB ④

* APPLICABLE ONLY WHERE SPECIFIED ON PLAN *

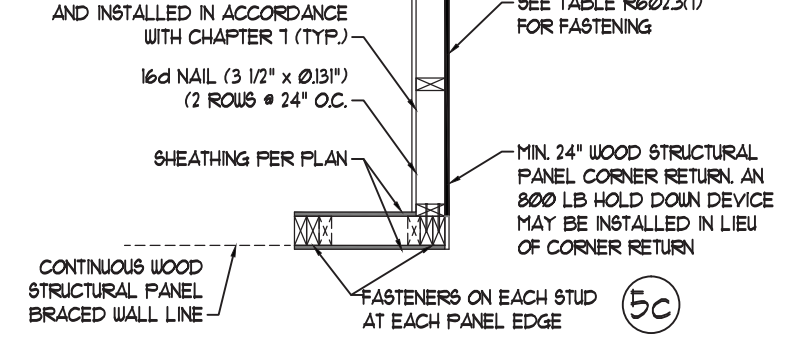
TYPICAL EXTERIOR CORNER FRAMING FOR CONTINUOUS SHEATHING ⑤



(a) OUTSIDE CORNER DETAIL ⑤a

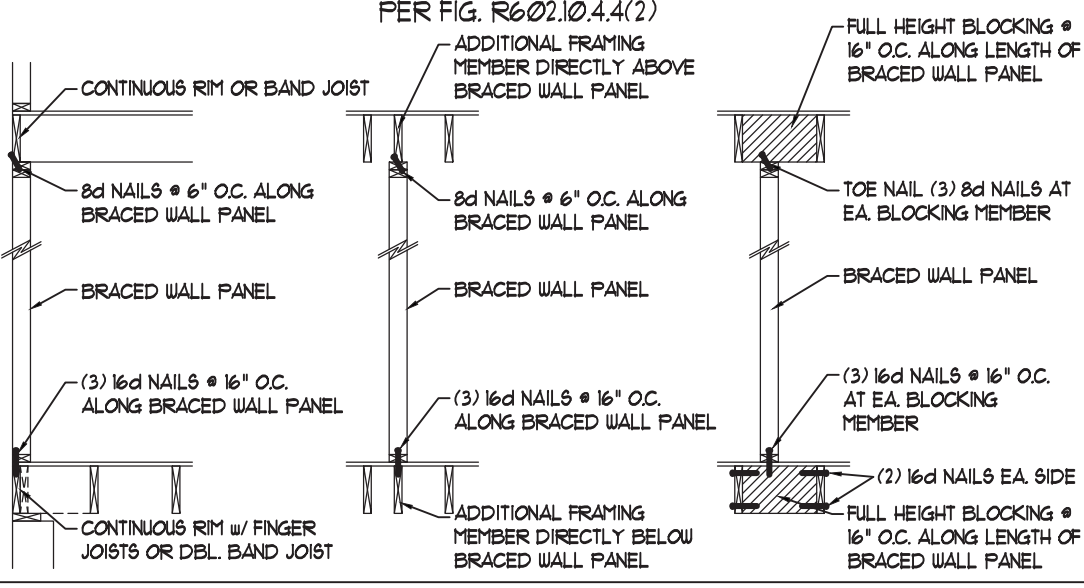


(b) INSIDE CORNER DETAIL ⑤b

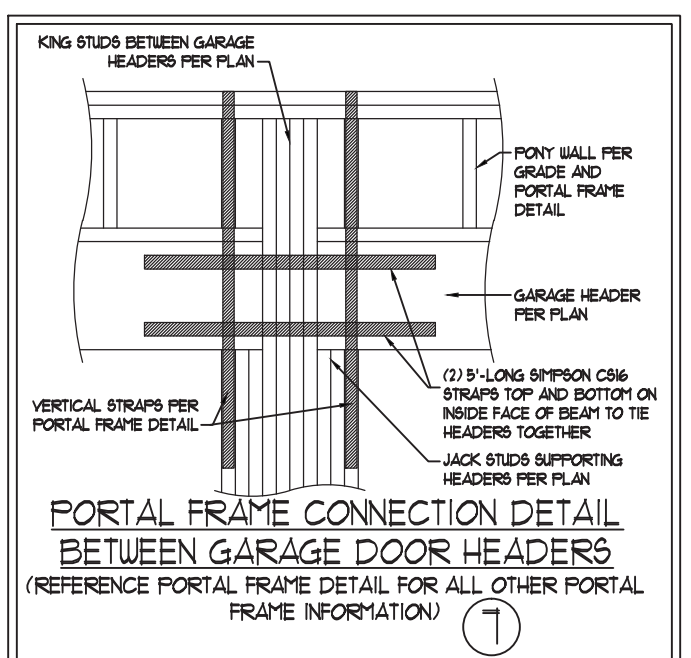


(c) GARAGE DOOR CORNER DETAIL (SEE PLAN FOR ADDITIONAL STRUCTURAL INFORMATION OR ALTERNATE CONFIGURATIONS)

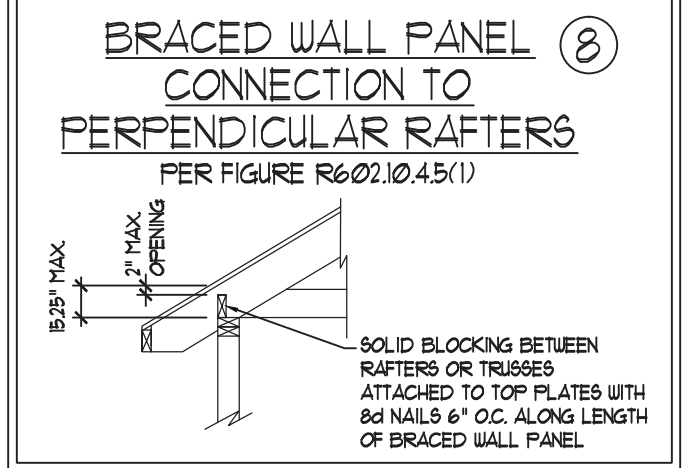
BRACED WALL PANEL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING ⑥



PER FIG. R602.10.4.4(2)



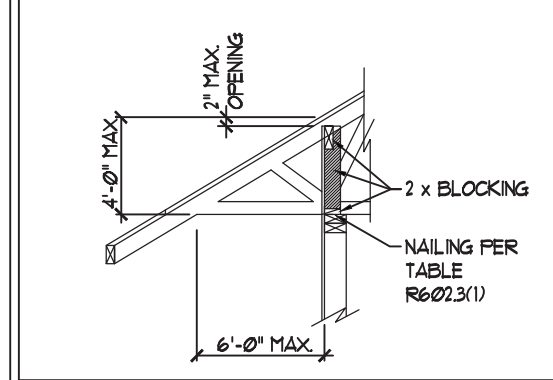
PORTAL FRAME CONNECTION DETAIL BETWEEN GARAGE DOOR HEADERS (REFERENCE PORTAL FRAME DETAIL FOR ALL OTHER PORTAL FRAME INFORMATION) ⑦



BRACED WALL PANEL CONNECTION TO PERPENDICULAR RAFTERS PER FIGURE R602.10.4.5(1)

BRACED WALL PANEL CONNECTION TO PERPENDICULAR ROOF TRUSSES ⑨

PER FIGURE R602.10.4.5(3) (OR ALTERNATIVE: FIGURE R602.10.4.5(2))



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WALL BRACING NOTES AND DETAILS

DATE: OCTOBER 30, 2018
SCALE: 1/4" = 1'-0"
DRAWN BY: JST
ENGINEERED BY: JST

BRACED WALL NOTES AND DETAILS AND PF DETAIL

GENERAL NOTES

- ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS INCLUDING ROOF RAFTERS, HIPS, VALLEYS, RIDGES, FLOORS, WALLS, BEAMS, HEADERS, COLUMNS, CANTILEVERS, OFFSET LOAD BEARING WALLS, PIERS, GIRDER SYSTEM AND FOOTING. ENGINEER'S SEAL DOES NOT CERTIFY DIMENSIONAL ACCURACY OF ARCHITECTURAL LAYOUT INCLUDING ROOF. ENGINEER'S SEAL DOES NOT APPLY TO I-JOIST OR FLOOR/ROOF TRUSS LAYOUT DESIGN AND ACCURACY.
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE (NCRC), 2018 EDITION, PLUS ALL LOCAL CODES AND REGULATIONS. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK. NOR WILL THE ENGINEER BE RESPONSIBLE FOR THE CONTRACTORS FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- STRUCTURAL DESIGN BASED ON THE PROVISIONS OF THE NCRC, 2018 EDITION (R301.4 - R301.7)

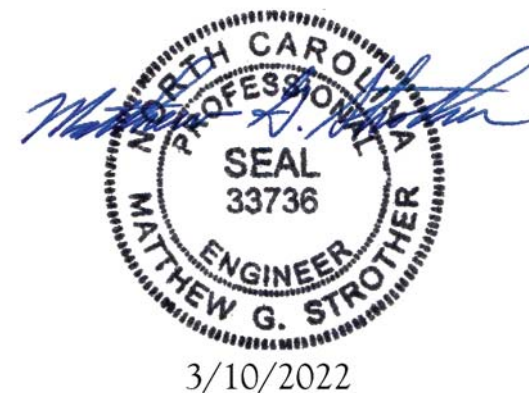
DESIGN CRITERIA:	LIVE LOAD (PSF)	DEAD LOAD (PSF)	DEFLECTION (IN)
ATTIC WITH LIMITED STORAGE	20	10	L/240 (L/360 w/ BRITTLE FINISHES)
ATTIC WITHOUT STORAGE	10	10	L/360
DECKS	40	10	L/360
EXTERIOR BALCONIES	40	10	L/360
FIRE ESCAPES	40	10	L/360
HANDRAILS/GUARDRAILS	200 LB OR 50 (PLF)	10	L/360
PASSENGER VEHICLE GARAGE	50	10	L/360
ROOMS OTHER THAN SLEEPING ROOM	40	10	L/360
SLEEPING ROOMS	30	10	L/360
STAIRS	40	10	L/360
WIND LOAD	(BASED ON TABLE R301.2(4) WIND ZONE AND EXPOSURE)		
GROUND SNOW LOAD: Pg	20 (PSF)		

- I-JOIST SYSTEMS DESIGNED WITH 12 PSF DEAD LOAD AND DEFLECTION (IN) OF L/480
- FLOOR TRUSS SYSTEMS DESIGNED WITH 15 PSF DEAD LOAD

- FOR 115 AND 120 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION R403.16 OF THE NCRC, 2018 EDITION. FOR 130 MPH, 140 MPH, AND 150 MPH WIND ZONES, FOUNDATION ANCHORAGE IS TO COMPLY WITH SECTION 4504 OF THE NCRC, 2018 EDITION.
- ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER II OF THE NCRC, 2018 EDITION.

FOOTING AND FOUNDATION NOTES

- FOUNDATION DESIGN BASED ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 PSF. CONTACT GEOTECHNICAL ENGINEER IF BEARING CAPACITY IS NOT ACHIEVED.
- FOR ALL CONCRETE SLABS AND FOOTINGS, THE AREA WITHIN THE PERIMETER OF THE BUILDING ENVELOPE SHALL HAVE ALL VEGETATION, TOP SOIL AND FOREIGN MATERIAL REMOVED. FILL MATERIAL SHALL BE FREE OF VEGETATION AND FOREIGN MATERIAL. THE FILL SHALL BE COMPACTED TO ASSURE UNIFORM SUPPORT OF THE SLAB, AND EXCEPT WHERE APPROVED, THE FILL DEPTHS SHALL NOT EXCEED 24" FOR CLEAN SAND OR GRAVEL. A 4" THICK BASED COURSE CONSISTING OF CLEAN GRADED SAND OR GRAVEL SHALL BE PLACED. A BASE COURSE IS NOT REQUIRED WHERE A CONCRETE SLAB IS INSTALLED ON WELL-DRAINED OR SAND-GRAVEL MIXTURE SOILS CLASSIFIED AS GROUP I, ACCORDING TO THE UNITED SOIL CLASSIFICATION SYSTEM IN ACCORDANCE WITH TABLE R405.1 OF THE NCRC, 2018 EDITION.
- PROPERLY DEWATER EXCAVATION PRIOR TO POURING CONCRETE WHEN BOTTOM OF CONCRETE SLAB IS AT OR BELOW WATER TABLE. IF APPLICABLE, 3/4" - 1" DEEP CONTROL JOINTS ARE TO BE SAWED WITHIN 4 TO 12 HOURS OF CONCRETE FINISHING AND WALL LOCATIONS HAVE BEEN MARKED. ADJUST WHERE NECESSARY.
- CONCRETE SHALL CONFORM TO SECTION R402.2 OF THE NCRC, 2018 EDITION. CONCRETE REINFORCING STEEL TO BE ASTM A615 GRADE 60. WELDED WIRE FABRIC TO BE ASTM A185. MAINTAIN A MINIMUM CONCRETE COVER AROUND REINFORCING STEEL OF 3" IN FOOTINGS AND 1 1/2" IN SLABS. FOR POURED CONCRETE WALLS, CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE INSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 3/4". CONCRETE COVER FOR REINFORCING STEEL MEASURED FROM THE OUTSIDE FACE OF THE WALL SHALL NOT BE LESS THAN 1 1/2" FOR #5 BARS OR SMALLER, AND NOT LESS THAN 2" FOR #6 BARS OR LARGER.
- MASONRY UNITS TO CONFORM TO ACE 530/ASCE 5/TMS 402. MORTAR SHALL CONFORM TO ASTM C210.
- THE UNSUPPORTED HEIGHT OF MASONRY PIERS SHALL NOT EXCEED FOUR TIMES THEIR LEAST DIMENSION FOR UNFILLED HOLLOW CONCRETE MASONRY UNITS AND TEN TIMES THEIR LEAST DIMENSION FOR SOLID OR SOLID FILLED PIERS. PIERS MAY BE FILLED SOLID WITH CONCRETE OR TYPE M OR S MORTAR PIERS AND WALLS SHALL BE CAPPED WITH 8" OF SOLID MASONRY.
- THE CENTER OF EACH OF THE PIERS SHALL BEAR IN THE MIDDLE THIRD OF ITS RESPECTIVE FOOTING. EACH GIRDER SHALL BEAR IN THE MIDDLE THIRD OF THE PIERS.
- ALL CONCRETE AND MASONRY FOUNDATION WALLS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF SECTION R404 OF THE NCRC, 2018 EDITION OR IN ACCORDANCE WITH ACI 318, ACI 332, NCMA TR68-A OR ACE 530/ASCE 5/TMS 402. MASONRY FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.1(1), R404.1.1(2), R404.1.1(3), OR R404.1.1(4) OF THE NCRC, 2018 EDITION. CONCRETE FOUNDATION WALLS ARE TO BE REINFORCED PER TABLE R404.1.1(5) OF THE NCRC, 2018 EDITION. STEP CONCRETE FOUNDATION WALLS TO 2 x 6 FRAMED WALLS AT 16" O.C. WHERE GRADE PERMITS (UNO).



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FRAMING NOTES

- ALL FRAMING LUMBER SHALL BE #2 SFF MINIMUM (Fb = 875 PSI, Fv = 375 PSI, E = 1600000 PSI) UNLESS NOTED OTHERWISE (UNO). ALL TREATED LUMBER SHALL BE #2 SYP MINIMUM (Fb = 975 PSI, Fv = 175 PSI, E = 1600000 PSI) UNLESS NOTED OTHERWISE (UNO).
- LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2600 PSI, Fv = 285 PSI, E = 1900000 PSI. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2325 PSI, Fv = 310 PSI, E = 1550000 PSI. PARALLEL STRAND LUMBER (PSL) UP TO 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2500 PSI, E = 1800000 PSI. PARALLEL STRAND LUMBER (PSL) MORE THAN 1" DEPTH SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fc = 2900 PSI, E = 2000000 PSI. INSTALL ALL CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS

A. W AND WT SHAPES:	ASTM A992
B. CHANNELS AND ANGLES:	ASTM A36
C. PLATES AND BARS:	ASTM A36
D. HOLLOW STRUCTURAL SECTIONS:	ASTM A500 GRADE B
E. STEEL PIPE:	ASTM A53, GRADE B, TYPE E OR S
- STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH (UNO). PROVIDE SOLID BEARING FROM BEAM SUPPORT TO FOUNDATION. BEAMS SHALL BE ATTACHED AT THE BOTTOM FLANGE TO EACH SUPPORT AS FOLLOWS (UNO):

A. WOOD FRAMING	(2) 1/2" DIA. x 4" LONG LAG SCREWS
B. CONCRETE	(2) 1/2" DIA. x 4" WEDGE ANCHORS
C. MASONRY (FULLY GROUTED)	(2) 1/2" DIA. x 4" LONG SIMPSON TITEN HD ANCHORS

LATERAL SUPPORT IS CONSIDERED ADEQUATE PROVIDING THE JOISTS ARE TOE NAILED TO THE 2x NAILER ON TOP OF THE STEEL BEAM, AND THE 2x NAILER IS SECURED TO THE TOP OF THE STEEL BEAM w/ (2) ROWS OF SELF TAPPING SCREWS @ 16" O.C. OR (2) ROWS OF 1/2" DIAMETER BOLTS @ 16" O.C. IF 1/2" BOLTS ARE USED TO FASTEN THE NAILER, THE STEEL BEAM SHALL BE FABRICATED w/ (2) ROWS OF 9/16" DIAMETER HOLES @ 16" O.C.
- SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. SHADED SQUARES DENOTE POINT LOADS FROM ABOVE WHICH REQUIRE SOLID BLOCKING TO SUPPORTING MEMBER BELOW.
- ALL LOAD BEARING HEADERS TO CONFORM TO TABLE R602.1(1) AND R602.1(2) OF THE NCRC, 2018 EDITION OR BE (2) 2 x 6 WITH (1) JACK AND (1) KING STUD EACH END (UNO), WHICHEVER IS GREATER ALL HEADERS TO BE SECURED TO EACH JACK STUD WITH (4) 8d NAILS. ALL BEAMS TO BE SUPPORTED WITH (2) STUDS AT EACH BEARING POINT (UNO). INSTALL KING STUDS PER SECTION R602.15 OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- ALL BEAMS, HEADERS, OR GIRDER TRUSSES PARALLEL TO WALL ARE TO BEAR FULLY ON (1) JACK OR (2) STUDS MINIMUM OR THE NUMBER OF JACKS OR STUDS NOTED. ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY (3) STUDS OR LESS ARE TO HAVE 1 1/2" MINIMUM BEARING (UNO). ALL BEAMS OR GIRDER TRUSSES PERPENDICULAR TO WALL AND SUPPORTED BY MORE THAN (3) STUDS OR OTHER NOTED COLUMN ARE TO BEAR FULLY ON SUPPORT COLUMN FOR ENTIRE WALL DEPTH (UNO). BEAM ENDS THAT BUTT INTO ONE ANOTHER ARE TO EACH BEAR EQUAL LENGTHS (UNO).
- FLITCH BEAMS SHALL BE BOLTED TOGETHER USING 1/2" DIAMETER BOLTS (ASTM A307) WITH WASHERS PLACED AT THREADED END OF BOLT. BOLTS SHALL BE SPACED AT 24" CENTERS (MAXIMUM), AND STAGGERED AT TOP AND BOTTOM OF BEAM (2" EDGE DISTANCE), WITH (2) BOLTS LOCATED AT 6" FROM EACH END (UNO).
- ALL I-JOIST OR TRUSS LAYOUTS ARE TO BE IN COMPLIANCE WITH THE OVERALL DESIGN SPECIFIED ON THE PLANS. ALL DEVIATIONS ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
- BRACED WALL PANELS SHALL BE CONSTRUCTED ACCORDING TO THE NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION WALL BRACING CRITERIA. THE AMOUNT, LENGTH, AND LOCATION OF BRACING SHALL COMPLY WITH ALL APPLICABLE TABLES IN SECTION R602.10.
- PROVIDE DOUBLE JOIST UNDER ALL WALLS PARALLEL TO FLOOR JOISTS. PROVIDE SUPPORT UNDER ALL WALLS PARALLEL TO FLOOR TRUSSES OR I-JOISTS PER MANUFACTURER'S SPECIFICATIONS. INSTALL BLOCKING BETWEEN JOISTS OR TRUSSES FOR POINT LOAD SUPPORT FOR ALL POINT LOADS ALONG OFFSET LOAD LINES.
- FOR ALL HEADERS SUPPORTING BRICK VENEER THAT ARE LESS THAN 8'-0" IN LENGTH, REST A 6" x 4" x 5/16" STEEL ANGLE WITH 6" MINIMUM EMBEDMENT AT SIDES FOR BRICK SUPPORT (UNO). FOR ALL HEADERS 8'-0" AND GREATER IN LENGTH, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO HEADER WITH 1/2" LAG SCREWS AT 12" O.C. STAGGERED FOR BRICK SUPPORT. FOR ALL BRICK SUPPORT AT ROOF LINES, BOLT A 6" x 4" x 5/16" STEEL ANGLE TO (2) 2 x 10 BLOCKING INSTALLED w/ (4) 12d NAILS EA. PLY BETWEEN WALL STUDS WITH (2) ROWS OF 1/2" LAG SCREWS AT 12" O.C. STAGGERED AND IN ACCORDANCE WITH SECTION R703.2.1 OF THE NCRC, 2018 EDITION.
- FOR STICK FRAMED ROOFS: CIRCLES DENOTE (3) 2 x 4 POSTS FOR ROOF MEMBER SUPPORT. HIP SPLICES ARE TO BE SPACED A MINIMUM OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS AT 16" O.C. FRAME DORMER WALLS ON TOP OF DOUBLE OR TRIPLE RAFTERS AS SHOWN (UNO).
- FOR TRUSSED ROOFS: FRAME DORMER WALLS ON TOP OF 2 x 4 LADDER FRAMING AT 24" O.C. BETWEEN ADJACENT ROOF TRUSSES. STICK FRAME OVER-FRAMED ROOF SECTIONS WITH 2 x 8 RIDGES, 2 x 6 RAFTERS AT 16" O.C. AND FLAT 2 x 10 VALLEYS (UNO).
- ALL 4 x 4 AND 6 x 6 POSTS TO BE INSTALLED WITH 100 LB CAPACITY UPLIFT CONNECTORS TOP AND BOTTOM (UNO). POSTS MAY BE SECURED USING ONE SIMPSON H6 OR L7512 UPLIFT CONNECTOR FASTENED TO THE BAND AT THE BOTTOM AND THE BEAM AT THE TOP OF EACH POST. ONE 16" SECTION OF SIMPSON CS16 COIL STRAPPING WITH (8) 8d HDG NAILS AT EACH END MAY BE USED IN LIEU OF EACH TWIST STRAP IF DESIRED. FOR MASONRY OR CONCRETE FOUNDATION USE SIMPSON POST BASE.

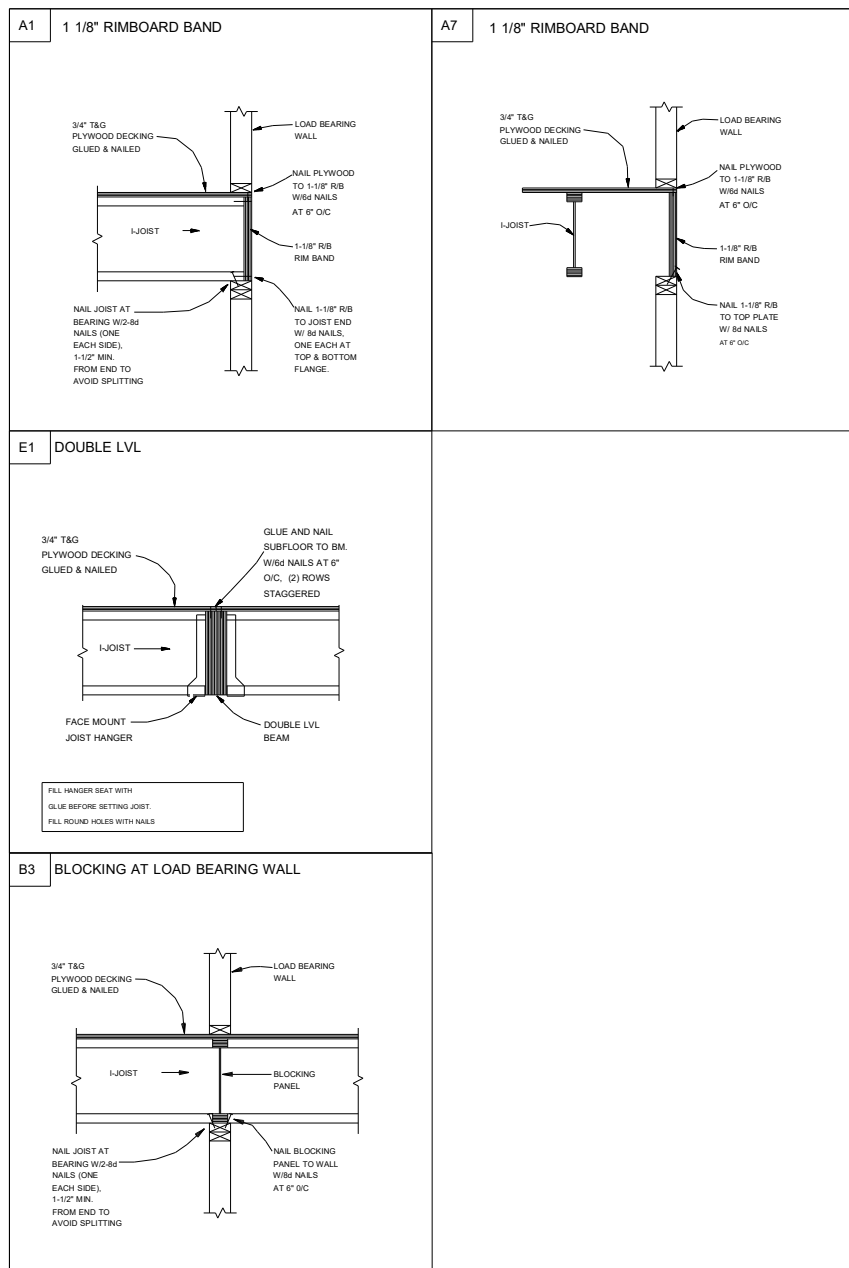
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STANDARD STRUCTURAL NOTES

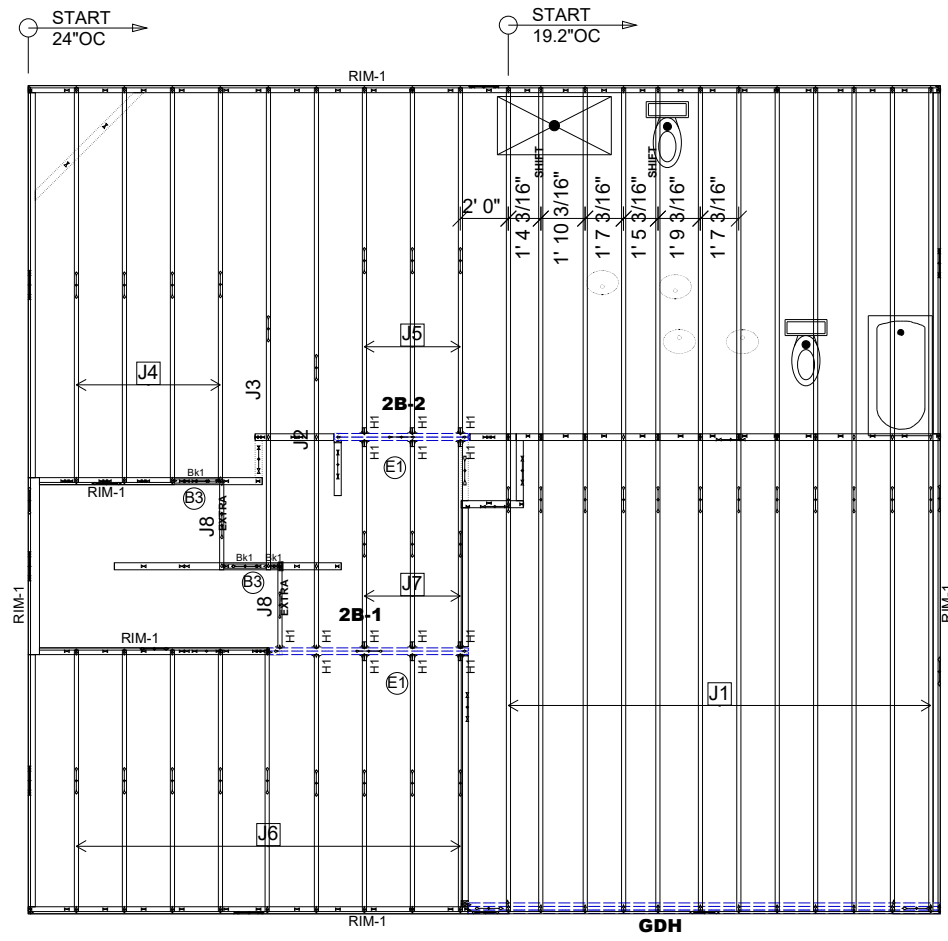
DATE: OCTOBER 29, 2018
SCALE: 1/4" = 1'-0"
DRAWN BY: JES
ENGINEERED BY: JST

SHEET:
 STRUCTURAL NOTES

THIS IS AN ENGINEERED WOOD PRODUCT (EWP) MEMBER PLACEMENT DIAGRAM ONLY; NOT AN ENGINEERED DOCUMENT. EWP members are designed as individual building components to be incorporated into the building design at the specification of the building designer. The Contractor is responsible for the temporary bracing of the floor system, and the building designer is responsible for the permanent bracing and blocking of the floor system and the overall structure. The design of the support structure including but not limited to headers, beams, walls, and columns is also the responsibility of the building designer. It is the responsibility of the General Contractor to verify that the provided layout matches the final intended construction plans, loading conditions, and use. If they do not, it is the responsibility of the General Contractor to notify UFP and provide plans containing the latest specifications and designs. UFP will not be responsible for plan changes by others after final approval of shop drawings, or for errors or modifications made on-site during construction. DO NOT CUT, NOTCH, DRILL, OR OTHERWISE "REPAIR" EWP MEMBERS IN ANY WAY WITHOUT PRIOR WRITTEN AUTHORIZATION BY A LICENSED PROFESSIONAL DESIGNATED BY UFP. The Framers are responsible to verify all dimensions, including adjusting member spacing within tolerances to allow for the drop and rise of plumbing/HVAC, unless noted otherwise. All connectors on this project are to be installed per the connector manufacturer's specifications. All connectors shown that are not joist to joist are suggestions only and are to be verified by the Building Designer or Engineer of Record for suitability to this particular project. UFP accepts no responsibility for the specific application or suitability of any connector that is not joist to joist as they apply to this specific structure.



Connector Summary				Products					
PlotID	Qty	Manuf	Product	PlotID	Length	Product	Plies	Net Qty	Fab Type
H1	15	USP	IHFL2014	J1	35' 0"	14" TJI@ 210	1	12	MFD
				J2	24' 0"	14" TJI@ 210	1	1	MFD
				J3	21' 0"	14" TJI@ 210	1	1	MFD
				J4	17' 0"	14" TJI@ 210	1	4	MFD
				J5	15' 0"	14" TJI@ 210	1	3	MFD
				J6	11' 0"	14" TJI@ 210	1	9	MFD
				J7	9' 0"	14" TJI@ 210	1	3	MFD
				J8	4' 0"	14" TJI@ 210	1	2	MFD
				2B-1	9' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD
				2B-2	6' 0"	1 3/4" x 14" 2.0E Microllam® LVL	2	2	MFD
				GDH	20' 0"	1 3/4" x 18" 2.0E Microllam® LVL	3	3	MFD
				RIM-1	16' 0"	1 1/8" x 14" TJI@ Rim Board	1	10	MFD
				Bk1	2' 0"	14" TJI@ 210	1	3	MFD



● Avoid Plumbing Drops

FIELD LOCATE PLUMBING DROPS/CAN LIGHTS, ETC... PRIOR TO JOIST SECUREMENT TO AVOID INTERFERENCE.

- GENERAL NOTES:**
- TOP CHORD OF JOISTS ARE PAINTED RED AT NUMBERED END. PLACE PAINTED END AS NOTED ON PLAN.
 - FOLLOW SPECIAL SPACING AND LOCATION DIMENSIONS FOR EXTRAS OR SHIFTED JOISTS AS SHOWN ON PLAN.
 - ALL INTERIOR WALL PLATES MUST BE LEVE WITH OUTSIDE WALL TOP PLATES.
 - DO NOT STACK CONSTRUCTION LOADS ON UN-BRACED JOISTS.
 - PROVIDE SOLID SUPPORT BELOW ALL BEAM AND HEADER BEARING POINTS IN WALL AND JOIST SPACES CONTINUOUS DOWN TO THE FOUNDATION.
 - LOCATE CRIPPLE STUDS IN JOIST SPACE DIRECTLY BELOW HEADER JACKS AT ALL FIRST FLOOR EXTERIOR DOOR LOCATIONS.
 - INSTALL NAILS IN ALL HOLES PROVIDED IN JOIST HANGERS EXCEPT AT BOTTOM CHORD SEAT. PLACE A DAB OF GLUE IN THE HANGER SEAT BEFORE SETTING JOISTS.
 - IMPORTANT NOTE! NO STRUCTURAL ANALYSIS OF CONVENTIONAL HEADERS HAS BEEN CONDUCTED IF NOT NOTED. THEY ARE CONSIDERED TO BE ADEQUATE TO SUPPORT THE APPLIED LOADS.

PLAN LEGEND

1B-, 2B-	INDICATES BEAM ABOVE TOP PLATE (FLUSH WITH FLOOR SYSTEM)
H-, 1H-, GDH-	INDICATES BEAM BELOW TOP PLATE (DROPPED BELOW FLOOR SYSTEM)
SINGLE PLY BEAM	(ADD LINE FOR EACH ADDITIONAL PLY)
SHIFT	SHIFT JOIST TO MISS PLUMBING, ALIGN W/WALL OR SUPPORT FURNITURE
EXTRA	A JOIST ADDED TO THE LAYOUT IN ADDITION TO THE ON CENTER JOISTS
DOUBLE	TWO JOISTS SIDE BY SIDE (ONLY ASSEMBLED IF NOTED)

ALL DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED

FRAMER NOTE

- GLUE AND NAIL PLYWOOD SUBFLOOR TO BEAMS AND GIRDERS AT 6" O/C WHERE NO WALL IS ABOVE.
- FILL HANGER SEAT WITH GLUE BEFORE SETTING JOIST IN HANGER. FILL ROUND HOLES WITH NAILS.

CRITICAL !!

INSTALL 2X4 SQUASH BLOCKS IN FLOOR TRUSS SPACE BELOW ALL EXTERIOR DOOR HEADER JACKS. CUT 1/16" TALLER THAN TRUSS.

FARMHOUSE A

FLOOR PLACEMENT PLAN

2ND FLOOR LAYOUT

FIELD VERIFY DIMENSIONS TO JOISTS LOCATED UNDER WALLS!!

SCALE: 1/8"=1'



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EDISON FARMHOUSE

REVISIONS	DATE	DESCRIPTION	DSN

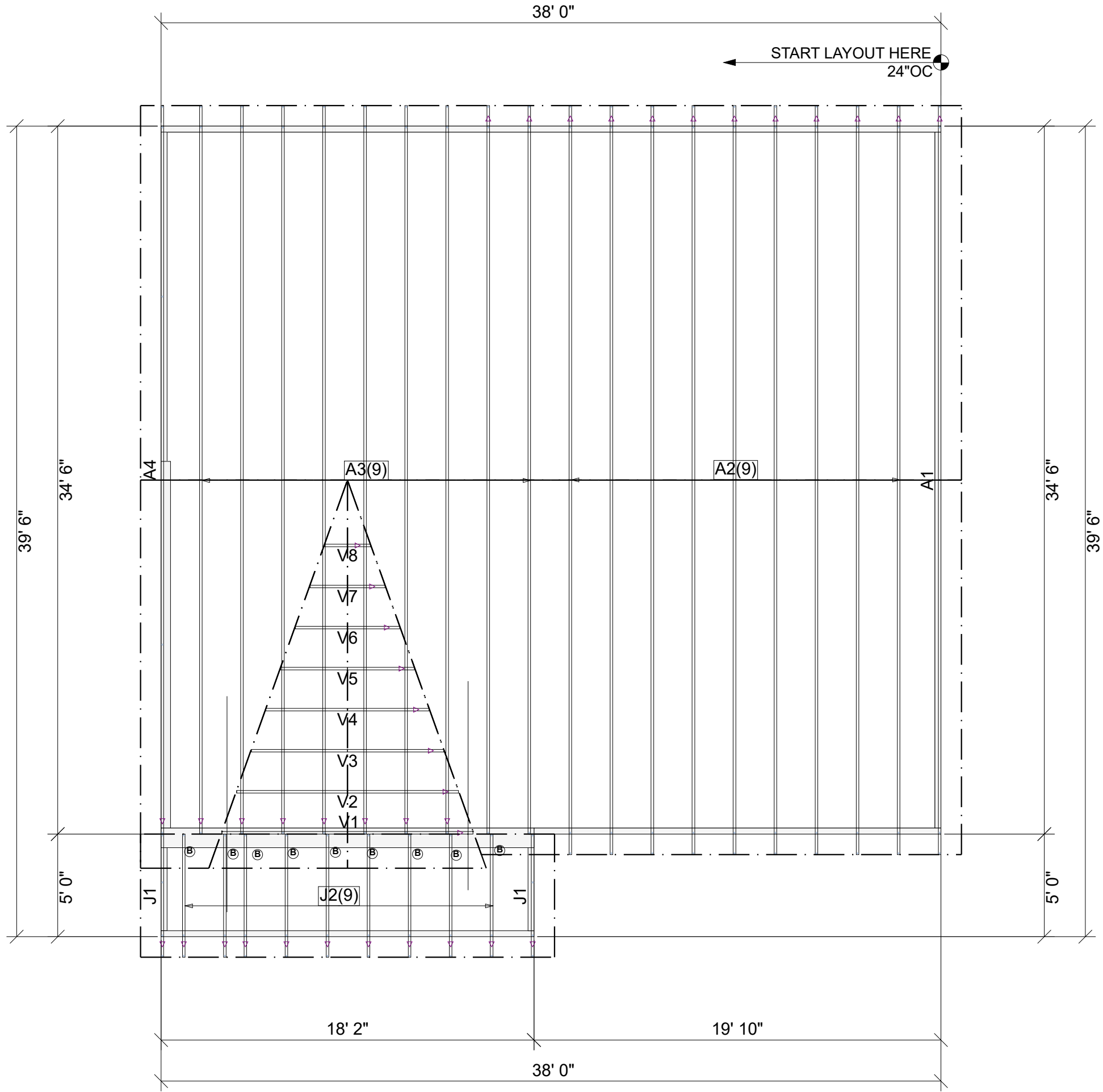
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Roof Hanger List

QTY	DESCRIPTION	TYPE	MARK
9	FACE MOUNT HANGER	JUS26	ⓑ

72200227 5 HOLLIES PINES

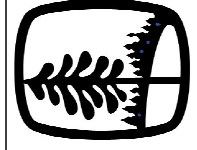


ROOF AREA: 1779.21 ft²_RIDGE LINE: 58.92 ft _ VALLEY LINES: 42.4 _ HIP LINES: 0 _ Δ Indicates Left End of Truss

Customer: **HH Hunt**
 Job Name: **Edison Farmhouse RF**
 Date: 07/07/2019
 Scale: NTS
 Revision Date: _____
 Revision Date2: _____

Drawn By: JZ
 Checked By: _____
 Quote Number: **19063025**

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