

TrueHomes

IT'S ALL ABOUT U

BUIES CREEK TOWNHOMES

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2649 Brekonridge Centre Dr.
Suite 104
Monroe, N.C. 28110
704-271-1191

BUIES CREEK TOWNHOMES
8 UNIT
LOTS 17-24

LUCAS TH 1340
HARNETT COUNTY

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PREPARED BY:
Michael
DATE:
9.6.24
SCALE:
AS SHOWN
REVIEWED BY:
Chuck

SHEET:
CS

HEADER SCHEDULE

ALL INTERIOR BEARING AND EXTERIOR WALLS

- SPANS UP TO 3'-6" -- (2) 2x8's
- SPANS 3'-6" TO 6'-6" -- (2) 2x10's
- SPANS 6'-6" OR MORE -- SEE PLAN

**** SOUTH CAROLINA SPECIFIC NOTE ****
ALL OPENINGS IN THERMAL ENVELOPE MUST HAVE INSULATED HEADER PER CODE

EXTERIOR HINGED DOOR SCHEDULE

PLAN I.D.	R.O. WIDTH	DOOR HEIGHT R.O.		
		8FT CEILING	9FT CEILING	10FT CEILING
3/0	3'-2 1/2"	82-1/2"	82-1/2"	98-1/2"
2/8	2'-10 1/2"			
5/0	5'-3 5/8"			
5/4	5'-7 5/8"			
6/0	6'-3 5/8"			
SLIDING PATIO DOORS				
5/0	4'-11 1/2"	80"	80"	96"
6/0	5'-11 1/2"			

INTERIOR HINGED DOOR SCHEDULE

PLAN I.D.	R.O. WIDTH	DOOR HEIGHT R.O.		
		8FT CEILING	9FT CEILING	10FT CEILING
1/4	1'-6"	82-1/2" NOMINAL DOOR HEIGHT +2-1/2"	82-1/2" NOMINAL DOOR HEIGHT +2-1/2"	98-1/2" NOMINAL DOOR HEIGHT +2-1/2"
1/6	1'-8"			
1/8	1'-10"			
2/0	2'-2"			
2/4	2'-6"			
2/6	2'-8"			
2/8	2'-10"			
2/10	3'-0"			
3/0	3'-2"			
4/0	4'-2"			
5/0	5'-2"			
6/0	6'-2"			

◊ LOAD BEARING ○ NON-LOAD BEARING

INTERIOR PASS THRU SCHEDULE

FRAMED OPENING DIMENSIONS		
WALL HEIGHT	R.O. WIDTH	R.O. HEIGHT
8'-1 1/8"	PLAN I.D. +2"	82-1/2"
9'-1 1/8"	PLAN I.D. +2"	94-1/2"
10'-1 1/8"	PLAN I.D. +2"	98-1/2"

ROUGH OPENING HEIGHTS ARE FOR DO, CO, & AO OPENINGS. SHIM HEIGHTS AS NEEDED TO MATCH INTERIOR HINGED DOOR CASING

INTERIOR DOORWAY OPENINGS:
DO = DRYWALL OPENING
CO = CASED OPENING
AO = ARCHED OPENING

GENERAL NOTES

- PLANS PERMITTED IN NORTH CAROLINA ARE DESIGNED TO MEET THE 2018 NORTH CAROLINA RESIDENTIAL BUILDING CODE, AS ISSUED BY THE STATE OF NORTH CAROLINA, AND PLANS PERMITTED IN SOUTH CAROLINA DESIGNED TO MEET 2021 SOUTH CAROLINA RESIDENTIAL BUILDING CODE AS ISSUED BY THE STATE OF SOUTH CAROLINA, WITH MODIFICATIONS AS REQUIRED TO MEET LOCAL BUILDING CODES FOR EACH APPLICABLE JURISDICTION.
- DO NOT SCALE DIMENSIONS FROM PRINTS. USE DIMENSIONS GIVEN OR CONSULT ARCHITECTURAL SERVICES DEPARTMENT FOR FURTHER CLARIFICATION.
- ALL DIMENSIONS ARE FROM WALL FRAMING (FACE OF STUD), NO FINISHED DIMENSIONS ARE GIVEN U.N.O.
- ALL INTERIOR NON-LOAD BEARING WALLS TO BE 2x4 STUDS @ 24" O.C. (U.N.O.). OR AS SPECIFIED PER COMMUNITY SPECS & MUNICIPALITY REQUIREMENTS.
- ALL STRUCTURAL FRAMING LUMBER EXPOSED DIRECTLY TO THE WEATHER OR BEARING DIRECTLY ON MASONRY OR CONCRETE SHALL BE TREATED. ALL WOOD IN CONTACT WITH THE GROUND MUST BE GROUND-CONTACT APPROVED. ALL WOOD EXPOSED DIRECTLY TO THE WEATHER SHALL BE PROTECTED TO PREVENT THE OCCURRENCE OF ROT.
- ALL ANGLED WALLS ARE AT 45 DEGREES UNLESS NOTED OTHERWISE.
- REFER TO QUALITY STANDARDS AND/OR MANUFACTURER SPECS FOR WINDOW ROUGH OPENING SIZES. SEE ELEVATIONS FOR WINDOW HEADER HEIGHTS (U.N.O.).
- PROVIDE BLOCKING ABOVE WINDOWS AND DOORS 16" O.C.
- PROVIDE EXTRA STUDS AS INDICATED AT BEAM BEARING LOCATIONS.
- WALLS TO BE FRAMED WITH STUDS AT 16" O.C. AT KITCHEN & BATH WALLS WITH CABINETS AND AT TUB/SHOWER LOCATIONS (PER MANUF.).
- ALL COMMON CEILING BETWEEN GARAGE TO HOUSE PROVIDE 5/8" TYPE X GWB PER GARAGE SEPARATION REQUIREMENTS PER CODE. ALL JOINTS TO BE TAPED & MUDDER FOR FIRE SEPARATION. ALL STRUCTURES SUPPORTING FLOOR/CEILING ASSEMBLIES USED FOR SEPARATION REQUIRE NOT LESS THAN 1/2" GYP OR EQ. PER SECTION R302.6
- SEPARATE GARAGE FROM ATTIC WITH 5/8" TYPE X GWB SCUTTLE MINIMUM AND 2X SCUTTLE FRAMING MATERIAL.
- HEEL HEIGHTS: SEE ELEVATIONS SHEETS FOR TOP OF FASCIA DIMENSIONS TO GATHER PROPER HEEL HEIGHT REQUIREMENTS.
- PROVIDE AND INSTALL LOCALLY CERTIFIED SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS AS REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION AND MEETING THE REQUIREMENTS OF ALL GOVERNING CODES AND PER MANUFACTURER SPECS.
- PROVIDE 1 1/2" FLAT WALL FRAMING FOR ALL HVAC CHASES UNLESS NOTED OTHERWISE. SEE FRAMING SHEET GN FOR ADDITIONAL NOTES PER LOCAL CODES.
- TYPICAL DOOR OFFSET FROM PERPENDICULAR WALL U.N.O. = 4" FOR ANSWER, INTEGRITY, ELEMENTS, & TRIBUTE OR TYPICAL DOOR OFFSET FROM PERPENDICULAR WALL U.N.O. = 6" FOR TRADITIONS COLLECTION OR DOOR OFFSET CENTERED IN THE WALL UNLESS NOTED OTHERWISE
- ALL HOMES TREATED WITH BORA-CARE TERMITE TREATMENT.
- SMURF DOORS ARE 21 1/2" x 39" NOMINAL (R.O. 22 1/2" x 40").
- DIMENSION AND NOTATIONS ON PLANS HAVE PREFERENCE OVER GRAPHIC DEPICTIONS AND SHOULD BE UTILIZED TO SETTLE ANY DISCREPANCIES - ANY DISCREPANCIES FOUND SHOULD BE FORWARDED TO THE ARCHITECTURAL SERVICES DEPARTMENT FOR RESOLUTION. (ATTN: TRUE HOMES FIELD ASSOC. IF YOU HAVE READ THIS FAR, PLEASE CALL CAD HOTLINE FOR PRIZE)
- TYPICAL FOUNDATION AND ENGINEERING CONSTRUCTION DETAILS ARE SHOWN IN RESPECTIVE PLANS. TYPICAL DETAILS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PLAN THAT ARE THE SAME OR SIMILAR TO THOSE SPECIALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE DRAWINGS CAN BE DETERMINED BY THE TITLE OF THE DETAIL. SUCH DETAILS SHALL APPLY WITH OR NOT THEY ARE REFERENCED AT EACH LOCATION.
- ALL CONSTRUCTION SPECIFICATION NOT COVERED ON THIS SHEET, OR IN PLAN SETS AND GENERAL SPECIFICATIONS, ARE TO MEET ALL APPLICABLE STATE AND LOCAL BUILDING CODES.
- HOUSE CONSTRUCTION IS TYPICAL 2X4 STUDS AT 16" O.C. AT ALL EXTERIOR WALLS UNLESS OTHERWISE NOTED. WALLS THAT ARE TO BE BALLOON FRAMED OR CONSTRUCTED WITH 2X6 STUDS WILL BE NOTED AS SUCH. ALL BASEMENT FRAMED WALLS TO BE 2X4 STUDS FOR ONE-STORY PLANS AND 2X6 STUDS FOR LOAD BEARING WALLS ON TWO-STORY PLANS UNLESS OTHERWISE NOTED.
- TRUE HOMES RESERVES THE RIGHT TO MAKE MODIFICATIONS TO FLOOR PLANS, DIMENSIONS, MATERIALS, AND SPECIFICATIONS WITHOUT NOTICE. THESE DRAWINGS ARE FOR THE PURPOSE OF CONVEYING AN ARCHITECTURAL CONCEPT ONLY.

DESIGN CRITERIA

- DESIGN LOADS ARE ALL DEAD LOADS PLUS:
 - SLEEPING ROOMS.....30 PSF
 - ALL OTHER FLOORS.....40 PSF
 - BALCONIES.....40 PSF
 - ATTIC FLOOR LIVE LOADING WITH THE FOLLOWING:
 - AREA ACCESSIBLE BY STAIRS.....40 PSF
 - ROOF SLOPES >3:12.....20 PSF
 - ROOF SLOPES <3:12.....10 PSF
 - ROOF LIVE LOAD.....20 PSF
 - WIND LOAD.....120 MPH
 - SNOW LOAD.....20 PSF
 - SEISMIC ZONE.....B
- DESIGN IS COMPLIANT WITH 2018 NCRC ENERGY CODE N1102.2 PRESCRIPTIVE FOR CLIMATE ZONE 4A

REVISION LOG

1. DATE:	DRAWN BY:
2. DATE:	DRAWN BY:
3. DATE:	DRAWN BY:
4. DATE:	DRAWN BY:

THE 'LUCAS TH'

LOTS 17-24

ADDRESS

LILLINGTON, NC

COMMUNITY SPECS

(Detailed listing of all Community Specifications can be found in Showroom Selections)

- MONO FOUNDATION w/ INSULATION
- VINYL SIDING
- CEMENT SOFFIT
- CEMENT PORCH CEILINGS
- ALUMINUM COIL WRAPPED 6" FASCIA
- HVAC LOCATION REAR

ARCHITECTURAL SERVICES:

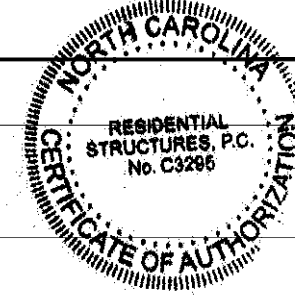
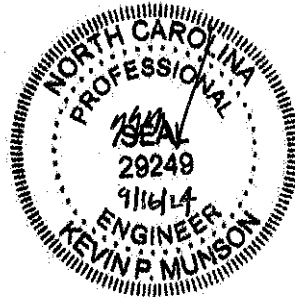
- Missing or Conflicting Dimensions
- Plan Legibility
- Missing Options

Mon-Fri: 8am - 5pm
CHARLOTTE MKTS: 704-681-2032
ALL OTHER MKTS: 704-993-1861
E-mail: CADISSUE@truehomesusa.com

ESTIMATING:

- Missing Material or Shortage
- Purchase Order Questions

Mon-Fri: 8am - 5pm
ALL MKTS: 704-681-4916



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3410 N. Davidson St.
Charlotte, N.C. 28205
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INTEGRITY COLLECTION

HELP HOTLINES

"WHEN IN DOUBT, GIVE US A SHOUT"
TRUE BUILDER:
(To be filled in by Builder on site)

NAME: _____

NUMBER: _____

ARCHITECTURAL SERVICES:

- Missing or Conflicting Dimensions
- Plan Legibility
- Missing Options

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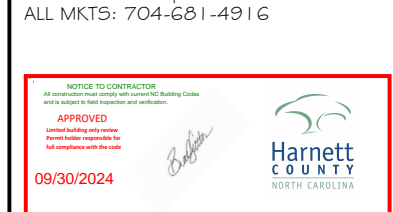


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SQ. FOOTAGE

LOWER LEVEL	680 SQ.FT.
UPPER LEVEL	680 SQ.FT.
TOTAL LIVABLE	1360 SQ.FT.
FRONT PORCH (FULL)	108 SQ.FT.
FRONT PORCH (PARTIAL)	24 SQ.FT.
REAR PATIO	100 SQ.FT.

NOTE:
 1. THIS PLAN IS FOR PURPOSES OF ESTABLISHING ACCURATE FORMWORK FOR EXECUTION OF CONCRETE SLAB POUR.
 2. DIMENSIONS ARE TO SLAB CORNERS WHETHER INTERIOR OR EXTERIOR.
 3. THIS PLAN IS CONSIDERED NON-STRUCTURAL.

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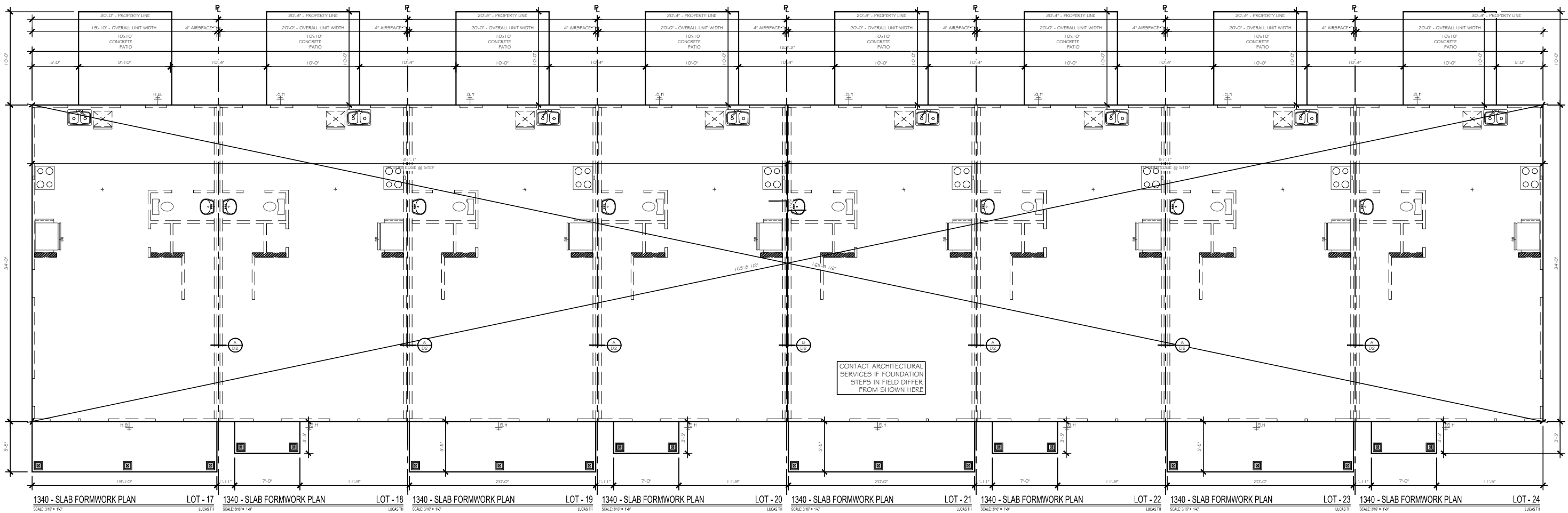
BUIES CREEK TOWNHOMES
8 UNIT
LOTS 17-24

LUCAS TH
1340

HARNETT COUNTY

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 PREPARED BY:
Michael
 DATE:
 9.6.24
 SCALE:
 AS SHOWN
 REVIEWED BY:
Chuck

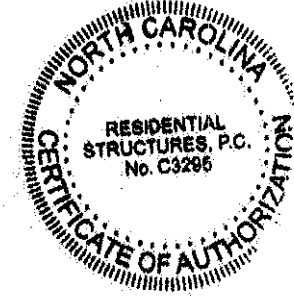
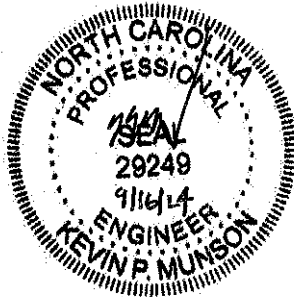
SHEET:
SF1



KEYNOTE	SIZE
Ⓐ	18"x18"x8" w/3-#4's E.W.
Ⓑ	24"x24"x12" w/4-#4's E.W.
Ⓒ	30"x30"x12" w/4-#4's E.W.
Ⓓ	36"x36"x12" w/4-#4's E.W.
Ⓔ	48"x48"x12" w/4-#4's E.W.
Ⓕ	36"x60"x12" w/4's @ 6" O.C. E.W.

- NOTE:
1. OUTSIDE DIMENSIONS ARE TO FOUNDATION CORNERS AND MASONRY OPENINGS.
 2. INSIDE DIMENSIONS ARE FROM FACE OF AREA SEPARATION WALL (BETWEEN UNITS) TO CENTER OF APPLIANCES, FIXTURES AND FOOTINGS.

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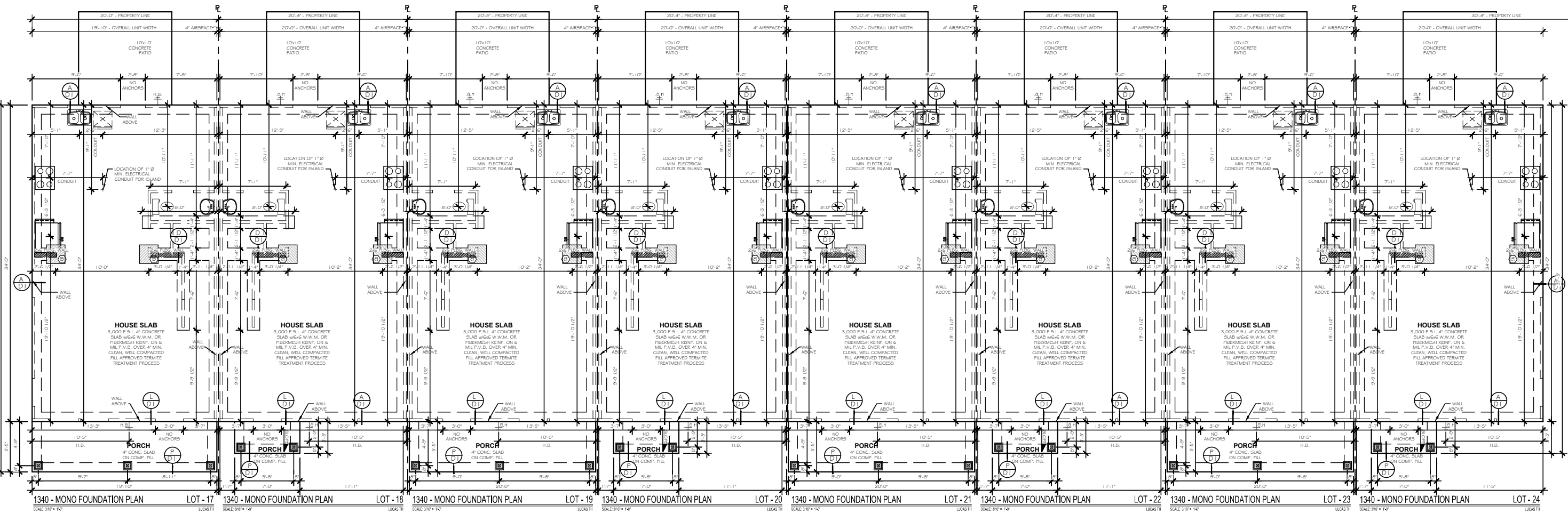
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Michael
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SHEET:
S1

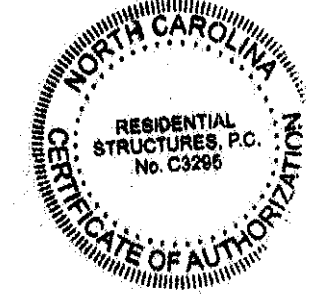
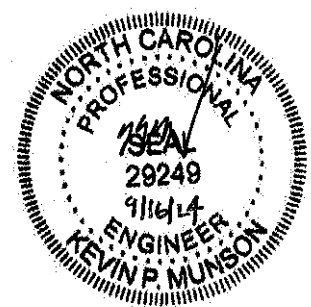


1340 - MONO FOUNDATION PLAN LOT - 17 1340 - MONO FOUNDATION PLAN LOT - 18 1340 - MONO FOUNDATION PLAN LOT - 19 1340 - MONO FOUNDATION PLAN LOT - 20 1340 - MONO FOUNDATION PLAN LOT - 21 1340 - MONO FOUNDATION PLAN LOT - 22 1340 - MONO FOUNDATION PLAN LOT - 23 1340 - MONO FOUNDATION PLAN LOT - 24

POST SCHEDULE		**SEE COVER PAGE FOR** ROUGH OPENING DIMENSIONS	
2x4 STUDS EX: (2) 2X4	2x6 STUDS EX: (2) 2X6	KING / JACK STUD SCHEDULE	
NUMBER INSIDE CALLOUT INDICATES TOTAL NUMBER OF STUDS.		(A) (2) JACKS	
		(B) (1) JACK # (1) KING	
		(C) (1) JACK # (2) KINGS	
		(D) (1) JACK # (3) KINGS	
		(E) (2) JACKS # (1) KING	
		(F) (2) JACKS # (2) KINGS	
		(G) (2) JACKS # (3) KINGS	
		(H) (3) JACKS # (3) KINGS	
		(I) (4) JACKS # (4) KINGS	
4X4 POST LETTER 'P' INSIDE CALLOUT INDICATES A SOLID 4x4 or 6x6 POST	6X6 POST		

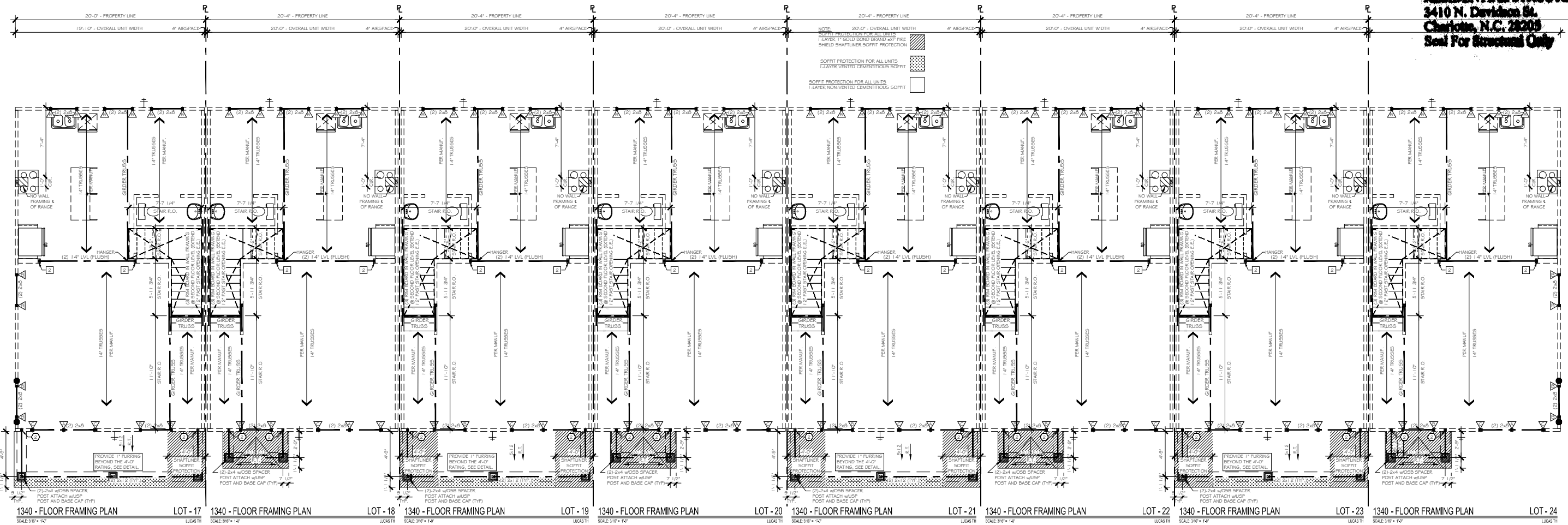
STRUCTURAL LEGEND	
	BEARING WALL
	METHOD GB OF 2015 IRC
	BEARING WALL W/ METHOD GB OF 2015 IRC
	CENTER OF BEAM / JOIST / GIRDER TRUSS
	USP LSTA24 HOLDDOWN OR EQ.
	USP DTB-TZ HOLDDOWN OR EQ.

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8 UNIT
LOTS 17-24

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1340
HARNETT COUNTY

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PREPARED BY:
Michael

DATE:
9.6.24

SCALE:
AS SHOWN

REVIEWED BY:
Chuck

SHEET:
S2

WALL BRACING NOTES:
 THIS STRUCTURE HAS BEEN ANALYZED BY A PROFESSIONAL ENGINEER FOR LATERAL LOADING. IT HAS BEEN DESIGNED USING CONTINUOUSLY SHEATHED 7/16" OSB SHEATHING, FASTENED AT 6" O.C. ALONG THE EDGES AND 12" O.C. ALONG THE INTERIOR (w/6d common nails or 8d-2 1/2" long x 0.113" diameter-nails) TO MEET OR EXCEED THE INTENT OF THE 2018 NC RESIDENTIAL BUILDING CODE. BLOCKING SHALL BE PROVIDED AT ALL PANEL EDGES. ALL INTERIOR WALLS (WHERE NOTED) SHOULD BE METHOD GB AND FASTENED WITH 5d COOLER NAILS OR #6 SCREWS AT 7" ALONG THE EDGES AND 7" FIELD. ALL INTERIOR COMMON WALLS (PARTY WALLS) SHOULD BE METHOD GB 1-SIDE FASTENED WITH 5d COOLER NAILS OR #6 SCREWS AT 7" ALONG THE EDGES AND 7" FIELD. ANY METHODS THAT DEVIATE FROM THE ABOVE ARE NOTED ON THE PLAN SET. WHERE WALL LINES REQUIRE FURTHER REINFORCEMENT, ADDITIONAL BRACING METHODS, ENGINEERED WALL SECTIONS AND HOLD DOWNS HAVE BEEN INCLUDED TO RESIST THE LATERAL LOADS. CONTINUITY TO BE PROVIDED BETWEEN UNITS.

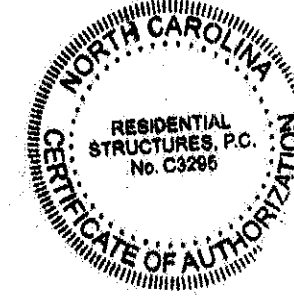
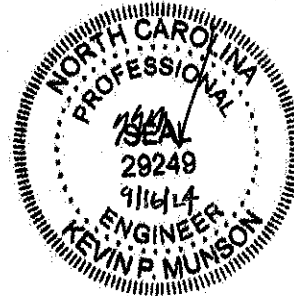
METHOD	MATERIAL	FASTENER SPACING
CS-WSP	MIN. 3/8" OSB	6" EDGES, 12" FIELD
GB	MIN. 1/2" GYP	7" EDGES, 7" FIELD

ALL WOOD STRUCTURAL PANEL BRACING SHALL BE ATTACHED TO FRAMING OR BLOCKING, EXCEPT GB BRACING. HORIZONTAL JOINTS SHALL NOT BE REQ'D TO BE BLOCKED WHEN JOINTS ARE FINISHED.

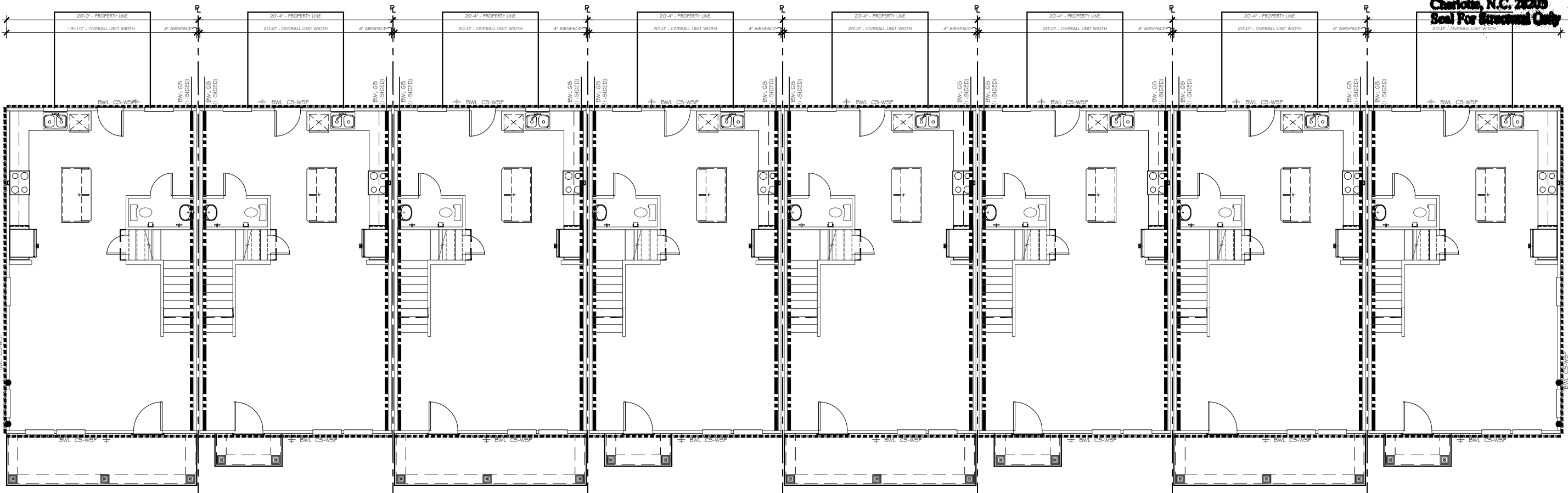
STRUCTURAL LEGEND	
	BEARING WALL
	METHOD GB OF 2015 IRC
	BEARING WALL W/ METHOD GB OF 2015 IRC
	CENTER OF BEAM / JOIST / GIRDER TRUSS
	USP LSTA24 HOLDDOWN OR EQ.
	USP DTB-TZ HOLDDOWN OR EQ.

BWL GB (2-SIDED) = WALL BRACING METHOD GB OF 2015 IRC (2 SIDE)
 BWL GB (1-SIDED) = WALL BRACING METHOD GB OF 2015 IRC (1 SIDE)
 BWL CS-WSP = WALL BRACING METHOD CS-WSP OF 2015 IRC

**INSTALL AN EXTRA JOIST BELOW ALL PARALLEL PARTITION WALLS, U.N.O.



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1340 - LOWER LEVEL BRACED WALL PLAN LOT - 17
 1340 - LOWER LEVEL BRACED WALL PLAN LOT - 18
 1340 - LOWER LEVEL BRACED WALL PLAN LOT - 19
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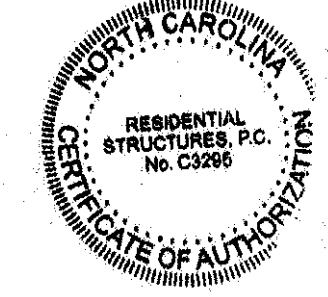
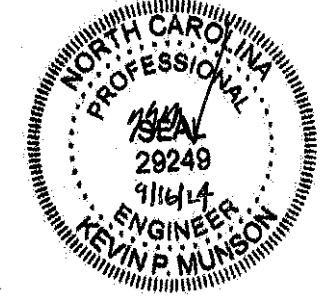
SHEET:
S2.1

POST SCHEDULE		**SEE COVER PAGE FOR** ROUGH OPENING DIMENSIONS	
2x4 STUDS	2x6 STUDS	KING / JACK STUD SCHEDULE	
EX: (2) 2X4	EX: (2) 2X6	(A) (2) JACKS	
NUMBER INSIDE CALLOUT INDICATES TOTAL NUMBER OF STUDS.		(B) (1) JACK # (1) KING	
4X4 POST	6X6 POST	(C) (1) JACK # (2) KINGS	
LETTER 'P' INSIDE CALLOUT INDICATES A SOLID 4x4 or 6x6 POST		(D) (1) JACK # (3) KINGS	
		(E) (2) JACKS # (1) KING	
		(F) (2) JACKS # (2) KINGS	
		(G) (2) JACKS # (3) KINGS	
		(H) (3) JACKS # (3) KINGS	
		(I) (4) JACKS # (4) KINGS	

STRUCTURAL LEGEND	
	BEARING WALL
	METHOD GB OF 2015 IRC
	BEARING WALL W/ METHOD GB OF 2015 IRC
	CENTER OF BEAM / JOIST / GIRDER TRUSS
	USP LSTA24 HOLDDOWN OR EQ.
	USP DTB-TZ HOLDDOWN OR EQ.

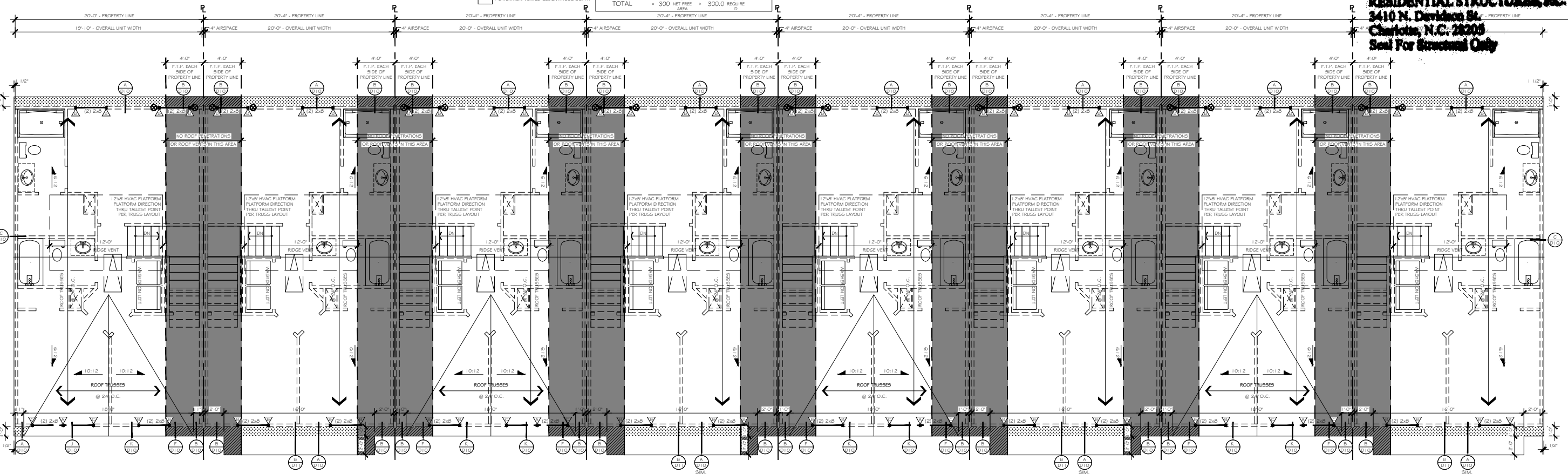
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ATTIC VENTILATION CALCULATIONS (PER UNIT)	
ROOF VENT NET FREE AREA	= 1.8 SQ. IN. PER LINEAR FT.
SOFFIT VENT NET FREE AREA	= 7.50 SQ. IN. PER LINEAR FT.
ATTIC AREA (TOTAL)	= 625 SQ. FT.
ATTIC VENTILATION (REQUIRED)	= 625 / 300 = 2.08 SQ. FT. = 300.00 SQ. IN.
ROOF VENT	= 12 FT x 12.50 IN. = 216 SQ. IN. NET FREE AREA
SOFFIT VENT	= 12 FT x 7.50 IN. = 90 SQ. IN. NET FREE AREA
TOTAL	= 306 SQ. IN. > 300.00 REQUIRE AREA



LUCAS TH
1340
HARNETT COUNTY

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PREPARED BY: Michael
DATE: 9.6.24
SCALE: AS SHOWN
REVIEWED BY: Chuck

SHEET: S3

WALL BRACING NOTES:
 THIS STRUCTURE HAS BEEN ANALYZED BY A PROFESSIONAL ENGINEER FOR LATERAL LOADING. IT HAS BEEN DESIGNED USING CONTINUOUSLY SHEATHED 7/16" OSB SHEATHING, FASTENED AT 6" O.C. ALONG THE EDGES AND 12" O.C. ALONG THE INTERIOR (w/6d common nails or 8d-2 1/2" long x 0.113" diameter-nails) TO MEET OR EXCEED THE INTENT OF THE 2018 NC RESIDENTIAL BUILDING CODE. BLOCKING SHALL BE PROVIDED AT ALL PANEL EDGES. ALL INTERIOR WALLS (WHERE NOTED) SHOULD BE METHOD GB AND FASTENED WITH 5d COOLER NAILS OR #6 SCREWS AT 7" ALONG THE EDGES AND 7" FIELD. ALL INTERIOR COMMON WALLS (PARTY WALLS) SHOULD BE METHOD GB 1-SIDE FASTENED WITH 5d COOLER NAILS OR #6 SCREWS AT 7" ALONG THE EDGES AND 7" FIELD. ANY METHODS THAT DEVIATE FROM THE ABOVE ARE NOTED ON THE PLAN SET. WHERE WALL LINES REQUIRE FURTHER REINFORCEMENT, ADDITIONAL BRACING METHODS, ENGINEERED WALL SECTIONS AND HOLD DOWNS HAVE BEEN INCLUDED TO RESIST THE LATERAL LOADS. CONTINUITY TO BE PROVIDED BETWEEN UNITS.

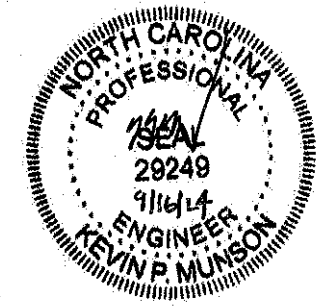
WALL BRACING NOTE		
<ul style="list-style-type: none"> 115 MPH WIND ZONE - EXP. B 8, 9 OR 10 FT. WALL HEIGHT ENGINEERED WALL BRACING DESIGN MEETS OR EXCEEDS THE INTENT OF THE 2018 IRC 		
METHOD	MATERIAL	FASTENER SPACING
CS-WSP	MIN. 3/8" OSB	6" EDGES, 12" FIELD
GB	MIN. 1/2" GYP	7" EDGES, 7" FIELD

ALL WOOD STRUCTURAL PANEL BRACING SHALL BE ATTACHED TO FRAMING OR BLOCKING, EXCEPT GB BRACING. HORIZONTAL JOINTS SHALL NOT BE REQ'D TO BE BLOCKED WHEN JOINTS ARE FINISHED.

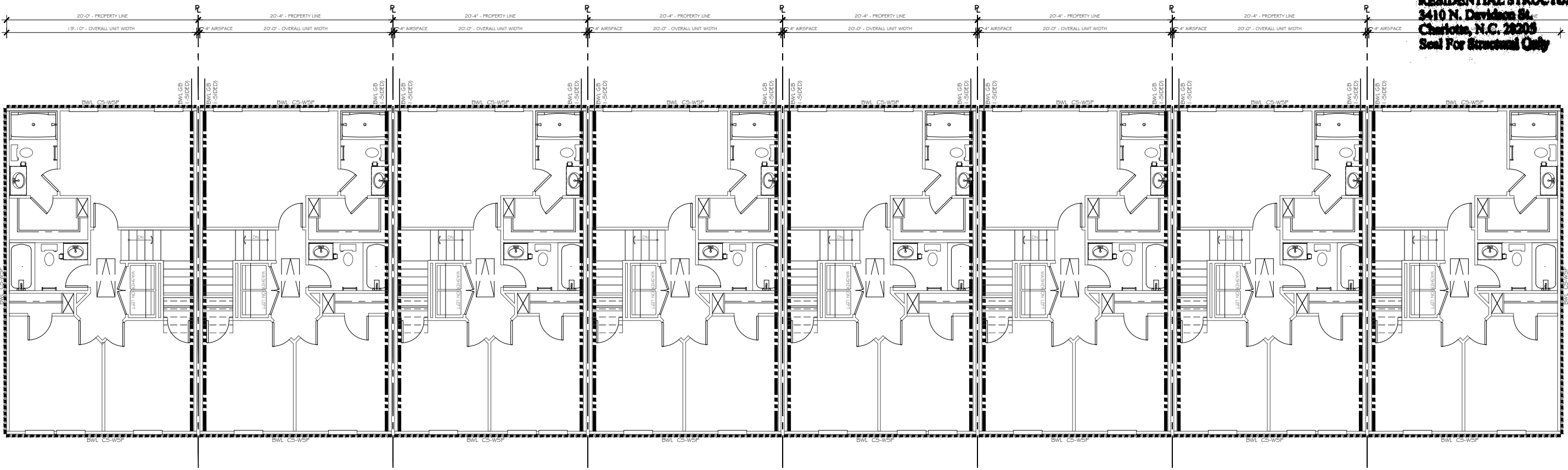
STRUCTURAL LEGEND	
	BEARING WALL
	METHOD GB OF 2015 IRC
	BEARING WALL W/ METHOD GB OF 2015 IRC
	CENTER OF BEAM / JOIST / GIRDER TRUSS
	USP LSTA24 HOLDDOWN OR EQ.
	USP DTB-TZ HOLDDOWN OR EQ.

= WALL BRACING METHOD GB OF 2015 IRC (2 SIDE)
 = WALL BRACING METHOD GB OF 2015 IRC (1 SIDE)
 = WALL BRACING METHOD CS-WSP OF 2015 IRC

**INSTALL AN EXTRA JOIST BELOW ALL PARALLEL PARTITION WALLS, U.N.O.



RESIDENTIAL STRUCTURES, P.C.
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 Charlotte, N.C. 28205
 Seal For Structural Only



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BUIES CREEK TOWNHOMES
 8 UNIT
 LOTS 17-24

LUCAS TH
 1340
 HARNETT COUNTY

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PREPARED BY:
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DATE:
 9.6.24

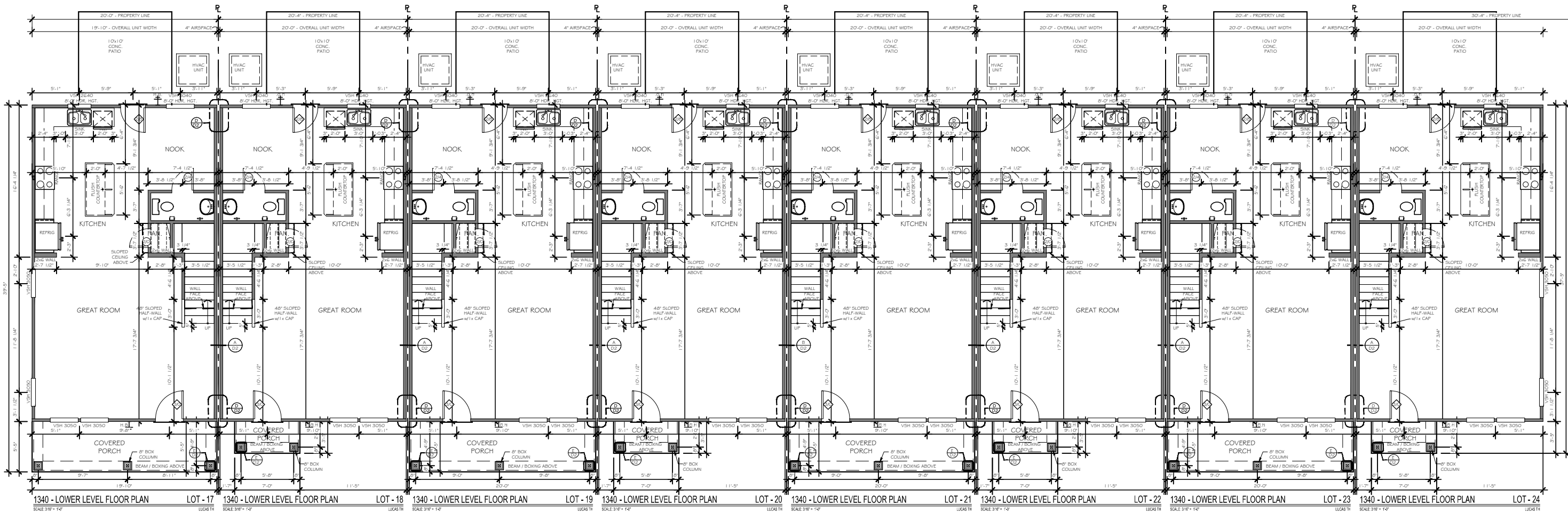
SCALE:
 AS SHOWN

REVIEWED BY:
Chuck

SHEET:
S3.1

**BUIES CREEK
 TOWNHOMES
 8 UNIT
 LOTS 17-24**

**LUCAS TH
 1340
 HARNETT COUNTY**



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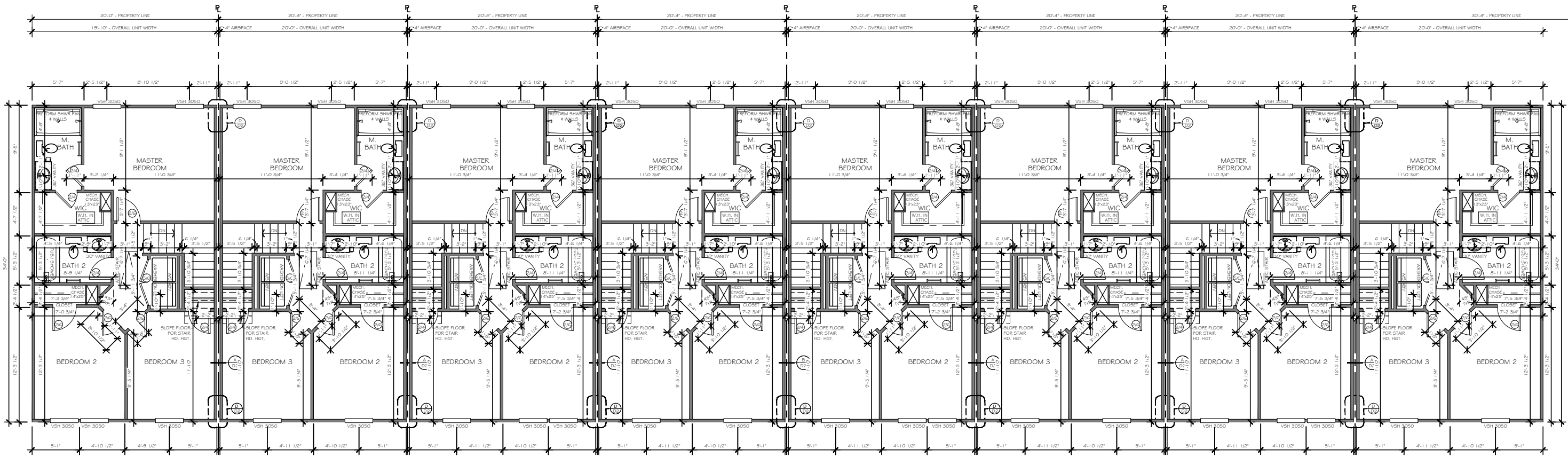
SCALE:
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REVIEWED BY:
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SHEET:
A1

**BUIES CREEK
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 8 UNIT
 LOTS 17-24**

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 HARNETT COUNTY**



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PREPARED BY:
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DATE:
 9.6.24

SCALE:
 AS SHOWN

REVIEWED BY:
Chuck

SHEET:
A2

SEE ROOF FRAMING PLANS FOR OVERHANG DIMENSIONS AND DORMER LOCATIONS

1x4 TRIM WHERE SHOWN AT WINDOWS AND DOORS UNLESS OTHERWISE NOTED

EXTERIOR MATERIAL LEGEND			
	B-N-B SIDING		STONE
	SHAKE SIDING		METAL ROOF
	HORIZONTAL SIDING		ROOF SHINGLE
	BRICK		SCALLOP SIDING

KEY NOTES	
1	FLASHING
2	VINYL SHUTTER
3	BRICKMOLD TRIM
4	1x4 TRIM BOARD
5	1x6 TRIM BOARD
6	1x8 TRIM BOARD
7	1x10 FRIEZE BOARD
8	1-1/2" THICK STONE CAP
9	ROWLOCK SILL
10	BRICK JACK ARCH
11	SOLDIER COURSE
12	PRECAST KEYSTONE

ELEVATION CODE	
EXTERIOR UNIT	A # B
INTERIOR UNIT	C, D, E
LAYER 1	SIDING
LAYER 2	BRICK
LAYER 3	STONE
FULL PORCH	P
FORWARD	F
BACK	B

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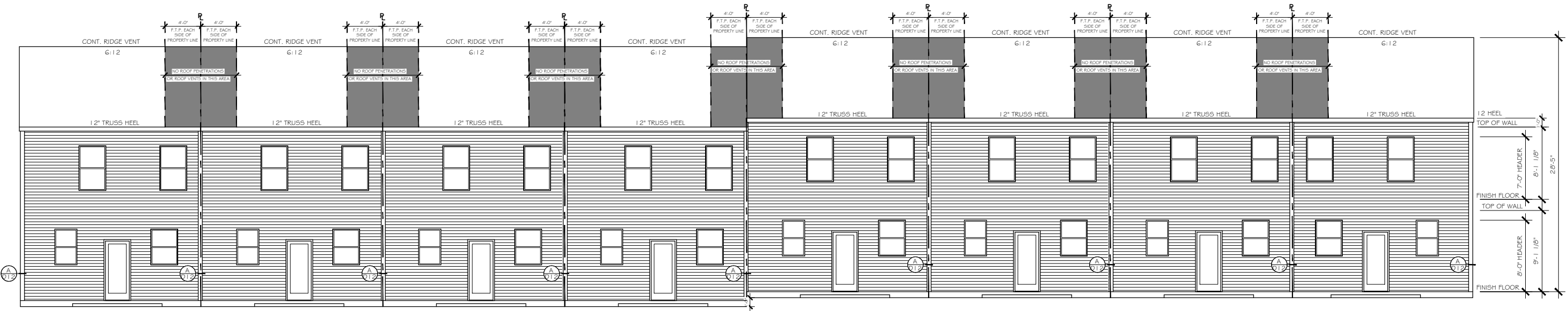
BUIES CREEK TOWNHOMES
8 UNIT
LOTS 17-24

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PREPARED BY:
Michael
DATE:
9.6.24
SCALE:
AS SHOWN
REVIEWED BY:
Chuck

SHEET:
A4.1



REAR ELEVATION LOT-24 SCALE 3/8" = 1'-0" UGAS TH
REAR ELEVATION LOT-23 SCALE 3/8" = 1'-0" UGAS TH
REAR ELEVATION LOT-22 SCALE 3/8" = 1'-0" UGAS TH
REAR ELEVATION LOT-21 SCALE 3/8" = 1'-0" UGAS TH
REAR ELEVATION LOT-20 SCALE 3/8" = 1'-0" UGAS TH
REAR ELEVATION LOT-19 SCALE 3/8" = 1'-0" UGAS TH
REAR ELEVATION LOT-18 SCALE 3/8" = 1'-0" UGAS TH
REAR ELEVATION LOT-17 SCALE 3/8" = 1'-0" UGAS TH



FRONT ELEVATION - A1 LOT-17 SCALE 3/8" = 1'-0" UGAS TH
FRONT ELEVATION - B1 LOT-18 SCALE 3/8" = 1'-0" UGAS TH
FRONT ELEVATION - A1 LOT-19 SCALE 3/8" = 1'-0" UGAS TH
FRONT ELEVATION - B1 LOT-20 SCALE 3/8" = 1'-0" UGAS TH
FRONT ELEVATION - A1 LOT-21 SCALE 3/8" = 1'-0" UGAS TH
FRONT ELEVATION - B1 LOT-22 SCALE 3/8" = 1'-0" UGAS TH
FRONT ELEVATION - A1 LOT-23 SCALE 3/8" = 1'-0" UGAS TH
FRONT ELEVATION - B1 LOT-24 SCALE 3/8" = 1'-0" UGAS TH

COLUMNS ARE NON-RATED (UNLESS OTHERWISE NOTED)

SEE ROOF FRAMING PLANS FOR OVERHANG DIMENSIONS AND DORMER LOCATIONS

1x4 TRIM WHERE SHOWN AT WINDOWS AND DOORS UNLESS OTHERWISE NOTED

EXTERIOR MATERIAL LEGEND	
	B-N-B SIDING
	SHAKE SIDING
	HORIZONTAL SIDING
	BRICK
	STONE
	METAL ROOF
	ROOF SHINGLE
	SCALLOP SIDING

KEY NOTES
(1) FLASHING
(2) VINYL SHUTTER
(3) BRICKMOLD TRIM
(4) 1x4 TRIM BOARD
(5) 1x6 TRIM BOARD
(6) 1x8 TRIM BOARD
(7) 1x10 FRIEZE BOARD
(8) 1-1/2" THICK STONE CAP
(9) ROWLOCK SILL
(10) BRICK JACK ARCH
(11) SOLDIER COURSE
(12) PRECAST KEYSTONE

ELEVATION CODE	
EXTERIOR UNIT	A # B
INTERIOR UNIT	C, D, E
LAYER 1	SIDING
LAYER 2	BRICK
LAYER 3	STONE
FULL PORCH	P
FORWARD	F
BACK	B

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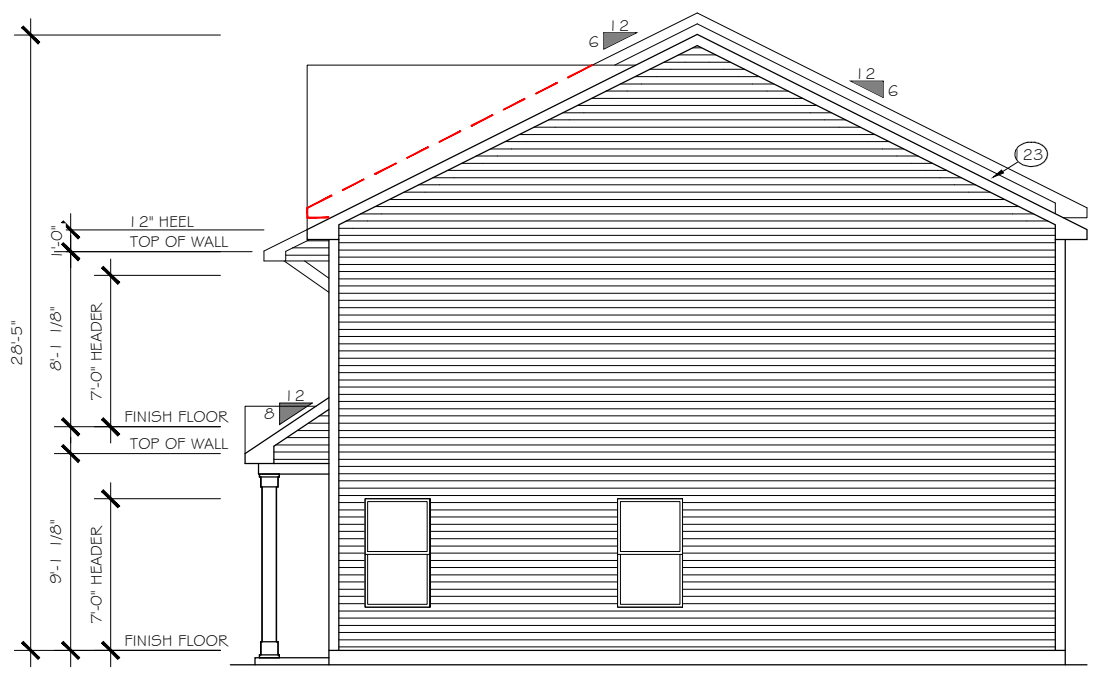
LUCAS TH
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HARNETT COUNTY

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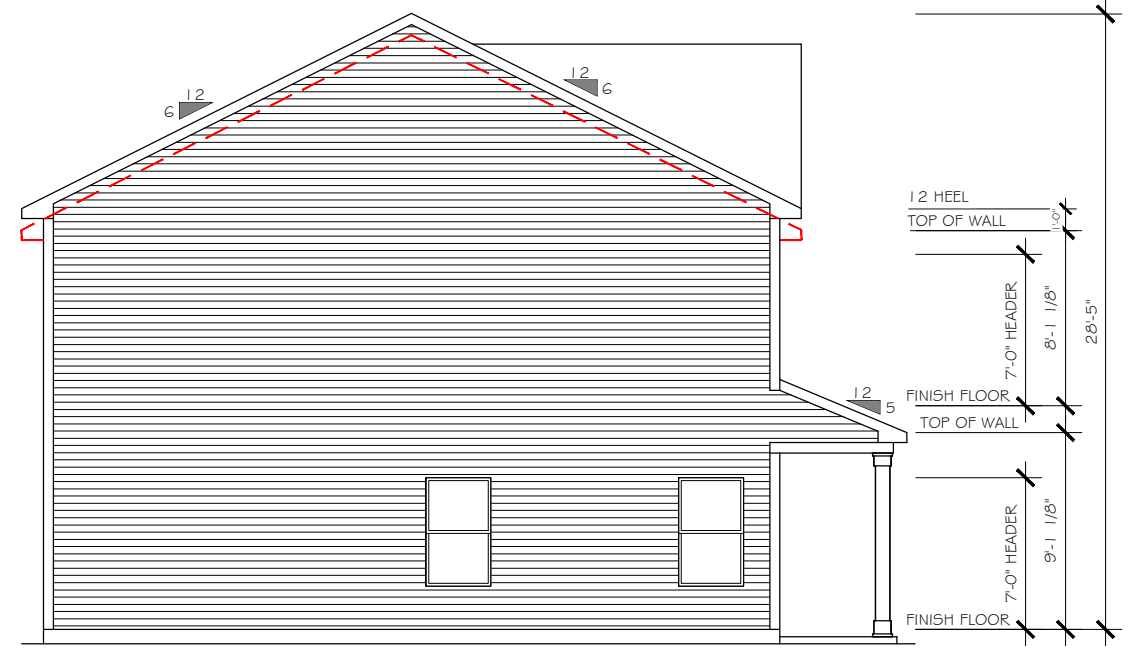
PREPARED BY:
Michael
 DATE:
 9.6.24
 SCALE:
 AS SHOWN
 REVIEWED BY:
Chuck

SHEET:
A4.2



RIGHT ELEVATION

LOT - 24



LEFT ELEVATION

LOT - 17

SCALE 3/16" = 1'-0"

LUCAS TH

SCALE 3/16" = 1'-0"

LUCAS TH

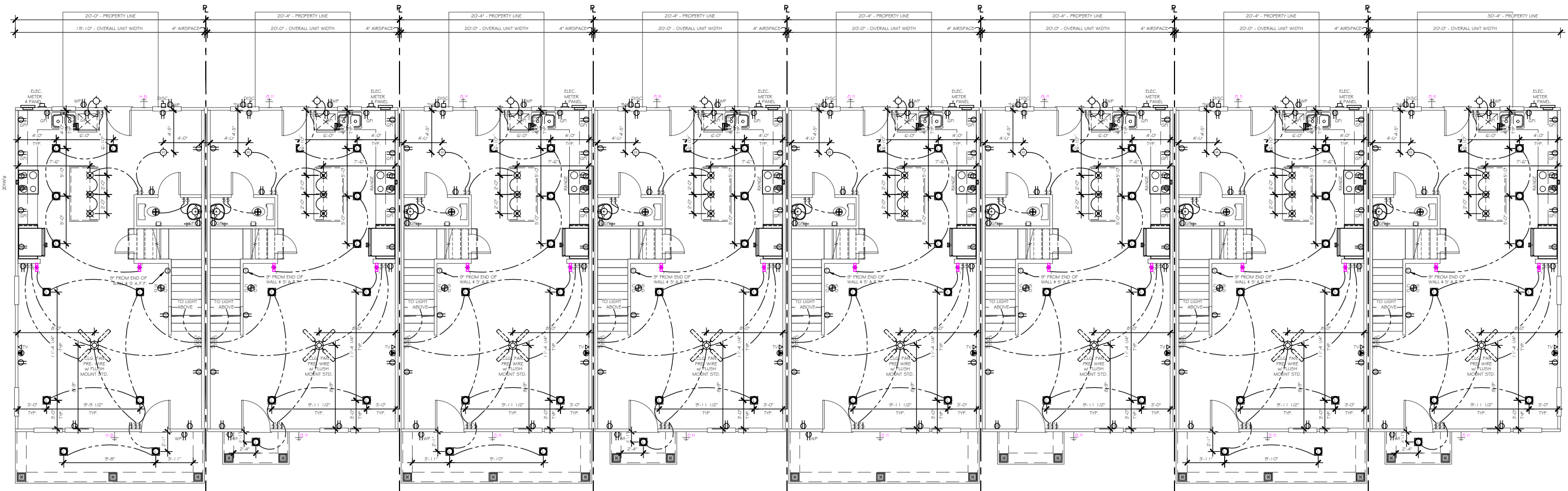
ELECTRICAL LEGEND

LOW VOLTAGE LEGEND	* INDICATES ADDITIONAL OUTLET PER CLIENT	WP OUTLET 110V WATER PROOF	USB DUAL USB OUTLET (3.1 AMP)	S D SMOKE / CO DETECTOR	\$ 4-WAY SWITCH	H HANGING LIGHT	o MINI-CAN LIGHT	W WALL MOUNT LIGHT FIXTURE	FLOOD LIGHT - LOCATION TO BE VERIFIED IN FIELD WITH BUILDER/CLIENT	ELECTRIC PANEL (METER LOCATION MAY VARY)	CEILING FAN PRE-WIRE OR FIXTURE AS NOTED
TEC CAN	OUTLET 110V (D=DEDICATED CIRCUIT)	GFI OUTLET 110V GFI (D=DEDICATED CIRCUIT)	TV TV WALL JACK	S D SMOKE DETECTOR	PUSH BUTTON	J JUNCTION BOX / PREWIRE	I UNDER CABINET LIGHT	VAPOR PROOF CAN LIGHT	KEYLESS ENTRY	77" AFF WP GFI TV	EXT. RECESSED OUTLET + TV w/ COVER
36" WHIP IN WALL (NO OUTLET)	5' AFF RECESSED OUTLET 110V	FLOOR OUTLET 110V	PHONE / DATA JACK	\$ SWITCH	DIMMER SWITCH	R RECESSED CAN LIGHT	WALL SCONCE (STD 72" AFF UNO)	EXHAUST FAN	DISC. DISCONNECT BOX	HTC DED. HOT TUB CIRCUIT (50amp, 240v GFI)	
HD LINK	OUTLET 220V (D=DEDICATED CIRCUIT)	SWITCHED OUTLET	T THERMOSTAT	\$ 3-WAY SWITCH	CEILING LIGHT	LED DISC LIGHT	P PENDANT LIGHT (6'-7" AFF STD)	EXHAUST FAN / LIGHT	EV CHARGING OUTLET (50amp, 240v GFI)		

- TEC CAN
 - HD LINK
 - 5' AFF HD-L
 - CHASE PIPE
 - HDMI CABLE
 - 2 CAT5E DATA
 - TV/DATA JACK
 - 110v OUTLET (RECESSED AFF)
 - 110v OUTLET (STANDARD)
 - CHASE PIPE
 - 5' AFF CH-P
 - CHASE PIPE WALL PLATES (OUTLET SEPARATE)
 - S SPEAKER
 - PWS PRE-WIRE FOR SPEAKER
 - WALL PLATE CONTROL
- CHECK SELECTIONS FOR COMPLETE LOW VOLTAGE LAYOUT.
- LOW VOLTAGE TRADE RESPONSIBLE FOR LOCATING AND INSTALLING ALL SELECTED PRODUCTS.

CHECK SELECTIONS FOR CPI LAYOUT. ALL TV, PHONE, CABLE, AUDIO, AND SECURITY SYSTEM OUTLETS WILL BE LOCATED PER CPI LAYOUT, REGARDLESS OF WHETHER TV AND PHONE ARE SHOWN.

ELEC. QTY. - FULL PORCH (PER UNIT)			ELEC. QTY. - PARTIAL PORCH (PER UNIT)		
Count	Name	Visibility1	Count	Name	Visibility1
2	Ceiling Fan 1.1	w/ Flush Mount Std.	2	Ceiling Fan 1.1	w/ Flush Mount Std.
3	Detectors	Smoke Detector	3	Detectors	Smoke Detector
2	Detectors	Smoke/Carbon Monoxide Detector	2	Detectors	Smoke/Carbon Monoxide Detector
2	Jacks	Phone Jack	2	Jacks	TV Jack
2	Jacks	Thermostat	2	Jacks	Phone Jack
2	Jacks	TV Jack	2	Jacks	Thermostat
1	Lights	Exhaust Fan	3	Lights	Pendant Light
2	Lights	Exhaust Fan/Light	2	Lights	Exhaust Fan/Light
3	Lights	Ceiling Light	3	Lights	Ceiling Light
4	Lights	Carriage Light	1	Lights	Hanging Light
13	Lights	LED Ceiling Light	12	Lights	LED Ceiling Light
3	Lights	Pendant Light	1	Lights	Exhaust Fan
1	Lights	Hanging Light	4	Lights	Carriage Light
8	Receptacle	GFI	8	Receptacle	GFI
24	Receptacle	110V	24	Receptacle	110V
3	Receptacle	WP	3	Receptacle	WP
2	Receptacle 2	DIMMER 3-WAY	2	Receptacle 2	DIMMER 3-WAY
2	switch	4-Way Switch	2	switch	4-Way Switch
8	switch	3-Way Switch	8	switch	3-Way Switch
19	switch	Single Pole Switch	19	switch	Single Pole Switch



1340 - LOWER LEVEL ELECTRICAL PLAN LOT - 17 SCALE 3/8" = 1'-0" LUCAS TH
 1340 - LOWER LEVEL ELECTRICAL PLAN LOT - 18 SCALE 3/8" = 1'-0" LUCAS TH
 1340 - LOWER LEVEL ELECTRICAL PLAN LOT - 19 SCALE 3/8" = 1'-0" LUCAS TH
 1340 - LOWER LEVEL ELECTRICAL PLAN LOT - 20 SCALE 3/8" = 1'-0" LUCAS TH
 1340 - LOWER LEVEL ELECTRICAL PLAN LOT - 21 SCALE 3/8" = 1'-0" LUCAS TH
 1340 - LOWER LEVEL ELECTRICAL PLAN LOT - 22 SCALE 3/8" = 1'-0" LUCAS TH
 1340 - LOWER LEVEL ELECTRICAL PLAN LOT - 23 SCALE 3/8" = 1'-0" LUCAS TH
 1340 - LOWER LEVEL ELECTRICAL PLAN LOT - 24 SCALE 3/8" = 1'-0" LUCAS TH

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BUIES CREEK TOWNHOMES
8 UNIT
LOTS 17-24

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1340
HARNETT COUNTY

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PREPARED BY:
Michael

DATE:
9.6.24

SCALE:
AS SHOWN

REVIEWED BY:
Chuck

SHEET:
E1

ELECTRICAL LEGEND

LOW VOLTAGE LEGEND	* INDICATES ADDITIONAL OUTLET PER CLIENT	WP OUTLET 110V WATER PROOF	USB DUAL USB OUTLET (3.1 AMP)	SMOKE SMOKE / CO DETECTOR	4-WAY 4-WAY SWITCH	H HANGING LIGHT	MINI-CAN MINI-CAN LIGHT	WALL MOUNT WALL MOUNT LIGHT FIXTURE	FLOOD LIGHT - LOCATION TO BE VERIFIED IN FIELD WITH BUILDER/CLIENT	ELECTRIC PANEL (METER LOCATION MAY VARY)	CEILING FAN PRE-WIRE
TEC CAN	OUTLET 110V (D=DEDICATED CIRCUIT)	GFI OUTLET 110V GFI (D=DEDICATED CIRCUIT)	TV TV WALL JACK	SMOKE SMOKE DETECTOR	PUSH BUTTON	J JUNCTION BOX / PREWIRE	I UNDER CABINET LIGHT	VAPOR PROOF VAPOR PROOF CAN LIGHT	KEYLESS ENTRY	77" AFF EXT. RECESSED OUTLET & TV w/ COVER	CEILING FAN PRE-WIRE
36" WHIP IN WALL (NO OUTLET)	5' AFF RECESSED OUTLET 110V	FLOOR FLOOR OUTLET 110V	PHONE / DATA PHONE / DATA JACK	SWITCH	DIMMER SWITCH	R RECESSED CAN LIGHT	WALL SCONCE (STD 72" AFF UNO)	EXHAUST FAN	DISC. DISCONNECT BOX	DED. HOT TUB CIRCUIT (50amp, 240v GFI)	CEILING FAN PRE-WIRE OR FIXTURE AS NOTED
HD LINK	OUTLET 220V (D=DEDICATED CIRCUIT)	SWITCHED SWITCHED OUTLET	T THERMOSTAT	3-WAY SWITCH	CEILING LIGHT	LED DISC LIGHT	P PENDANT LIGHT (6'-7" AFF STD)	EXHAUST FAN / LIGHT	EV CHARGING OUTLET (50amp, 240v GFI)		
5' AFF HD-L											
CHASE PIPE											
5' AFF CH-P											
SPEAKER											
PRE-WIRE FOR SPEAKER											
WALL PLATE CONTROL											

TEC CAN

- 36" WHIP IN WALL (NO OUTLET)

HD LINK

5' AFF HD-L

- CHASE PIPE
- HDMI CABLE
- 2 CAT5E DATA
- TV/DATA JACK
- 110v OUTLET (RECESSED AFF)
- 110v OUTLET (STANDARD)

CHASE PIPE

5' AFF CH-P

- CHASE PIPE WALL PLATES (OUTLET SEPARATE)

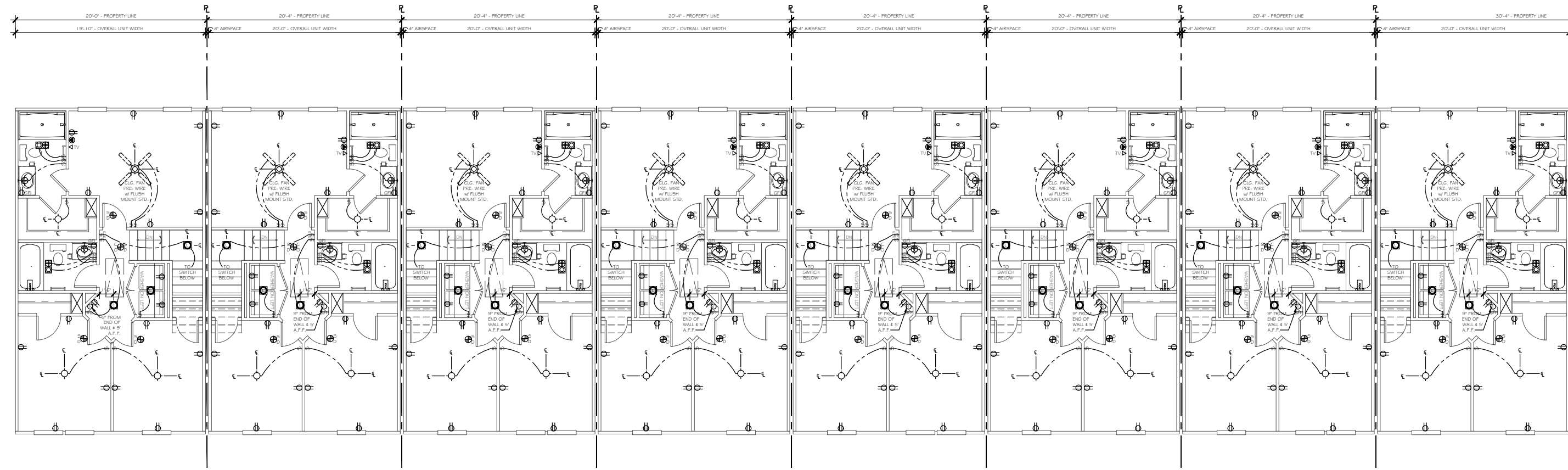
S SPEAKER

PWS PRE-WIRE FOR SPEAKER

WALL PLATE CONTROL

CHECK SELECTIONS FOR COMPLETE LOW VOLTAGE LAYOUT.

LOW VOLTAGE TRADE RESPONSIBLE FOR LOCATING AND INSTALLING ALL SELECTED PRODUCTS.



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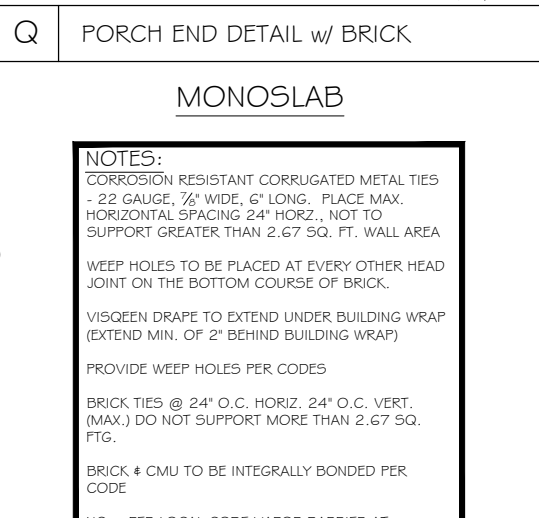
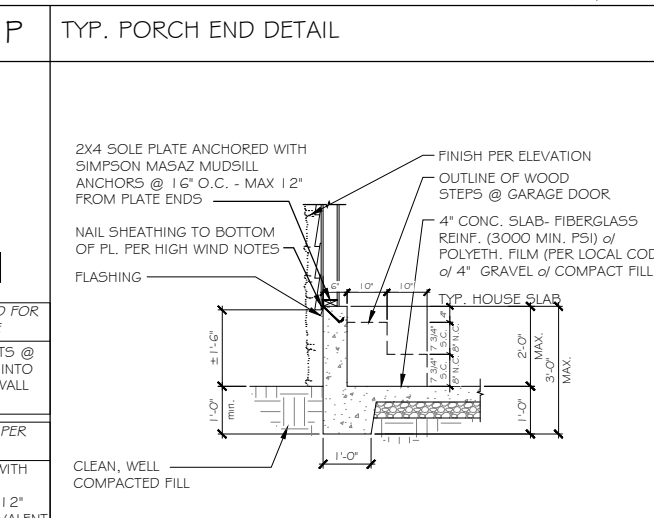
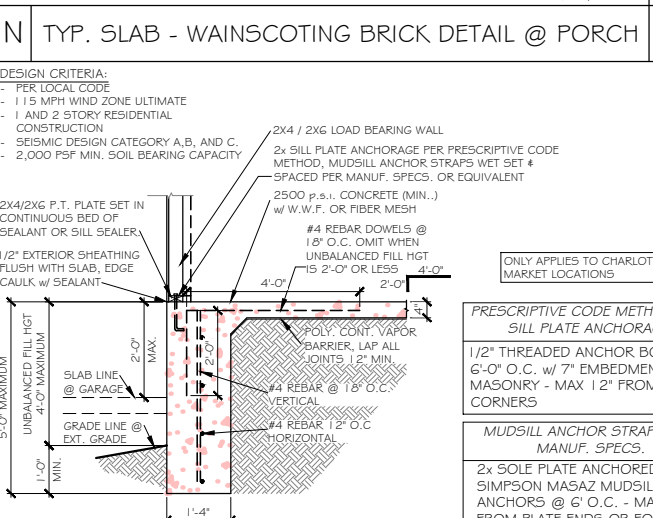
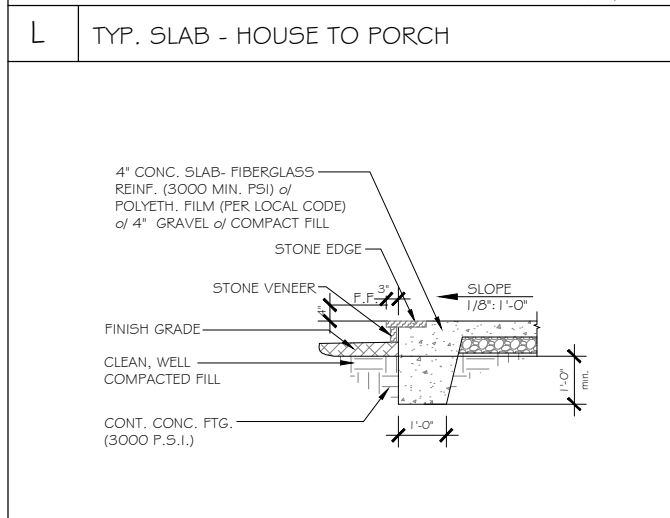
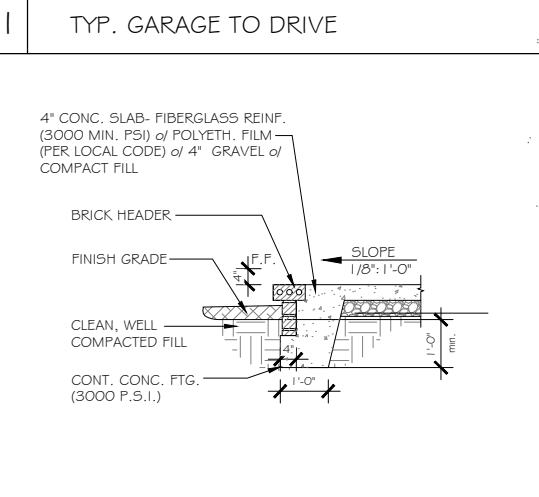
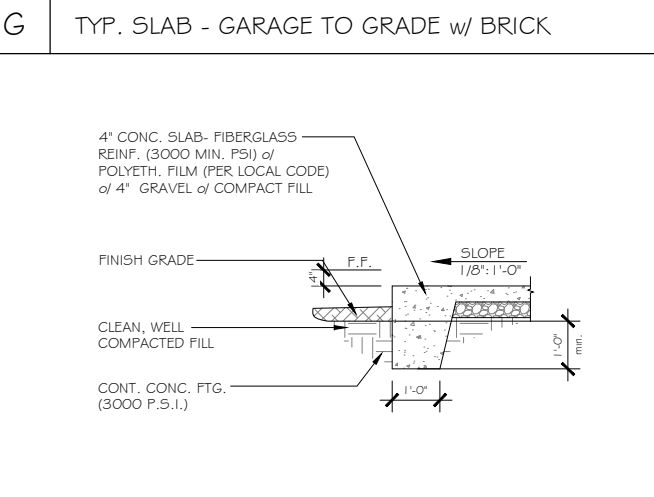
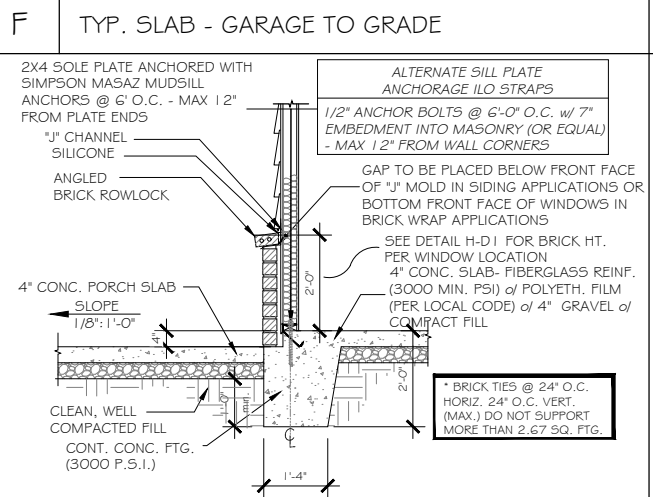
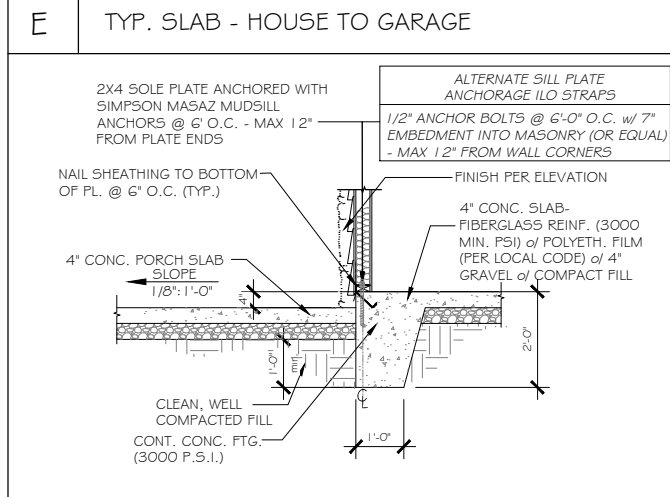
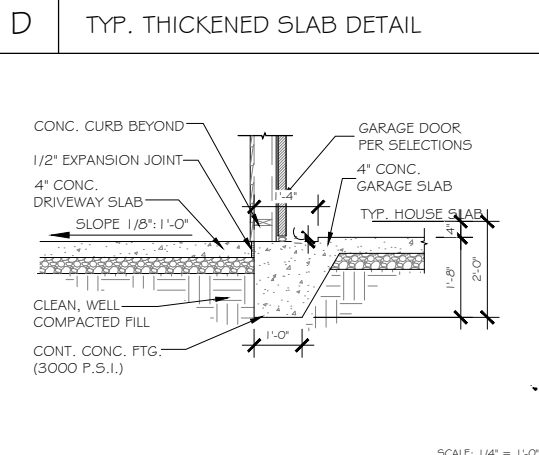
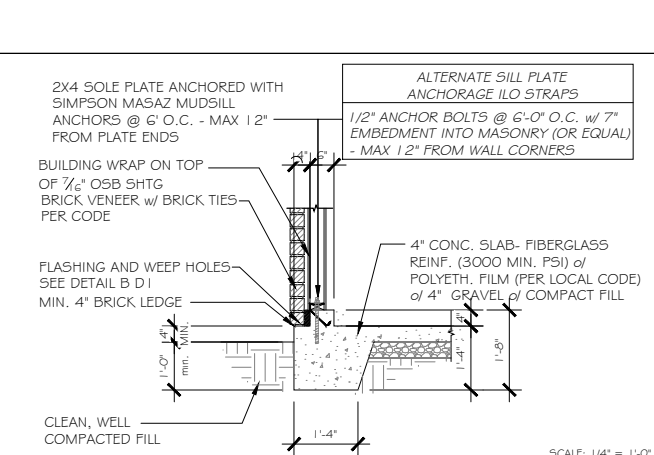
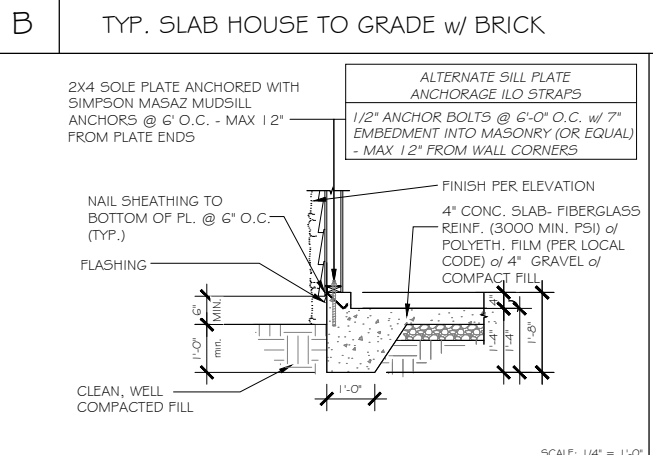
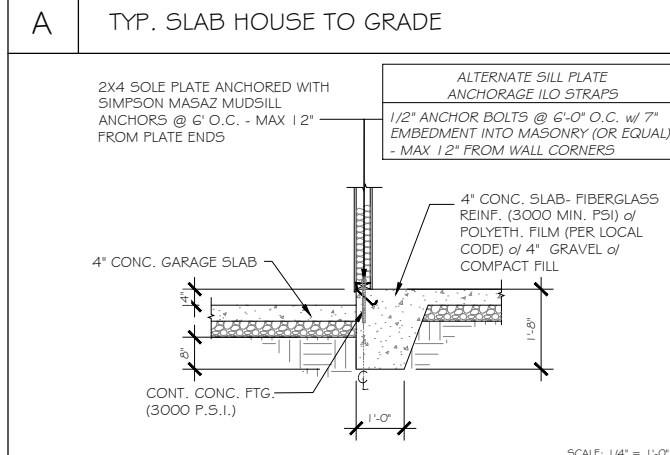
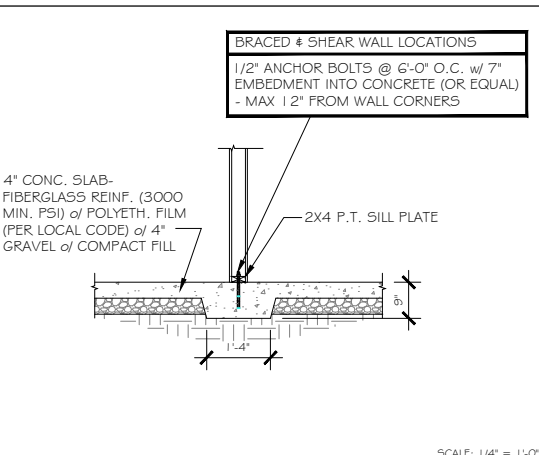
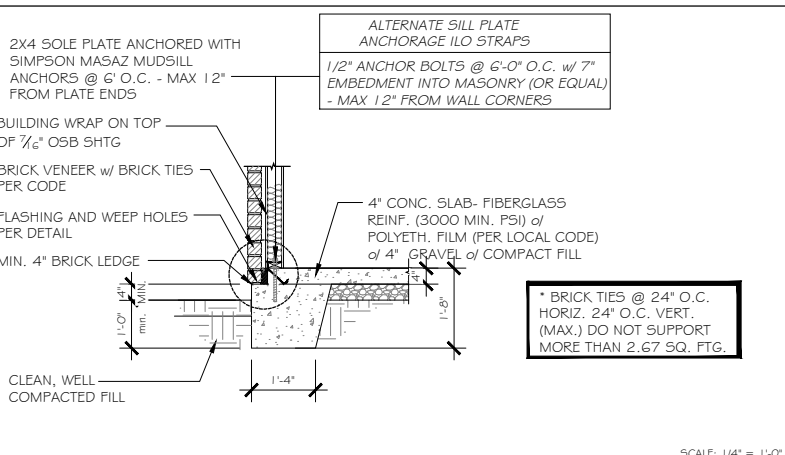
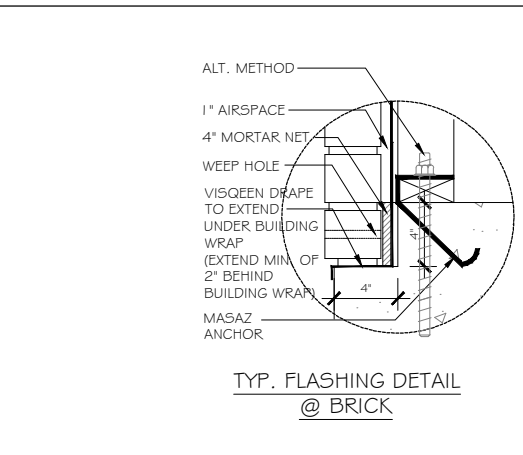
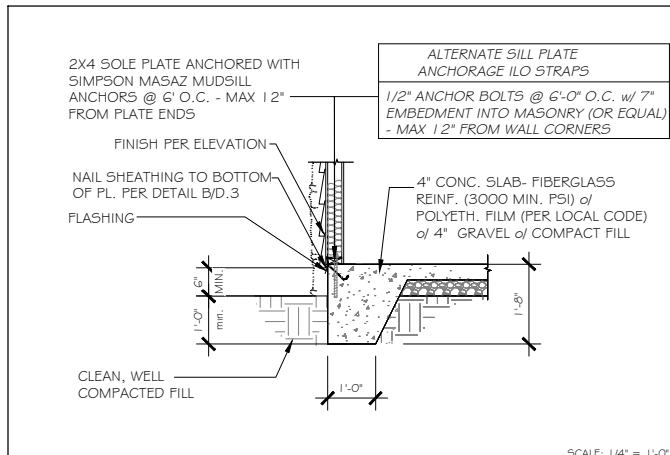
PREPARED BY: *Michael*

DATE: 9.6.24

SCALE: AS SHOWN

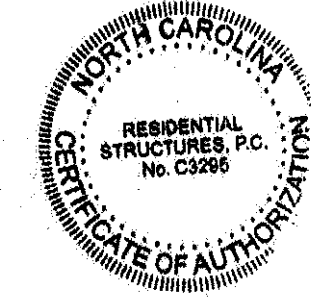
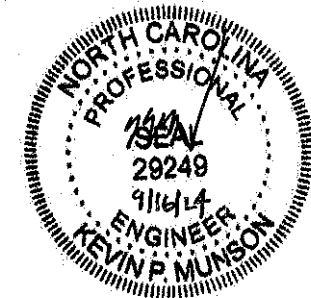
REVIEWED BY: *Chuck*

SHEET: **E2**



USP CONVERSION CHART

REF NO.	USP
ABA44Z	PA44E-TZ
BC52-2/4	BC4010-TZ
C5-1G	RS150
DTT2Z-SD52.5	DTB-TZ
H2.5A	RT7
H2.5A	RT7A
L5-30	MP3
LSTA24	LSTA24
MASAZ	FA3-TZ
STHD14	STAD14
HHU5410	THD410
A24	TDL5
A21	JA1
LSU26	L55H15-TZ
EPB44	EPB4408
BC6	CG6
BC4	C44
LUS28-2	JUS28-2
LUS26	JUS26
ABAGG	PAGGE-TZ
C522	RS-22R
HDU4-SD5	PHD4A
EPB6GT	EPB6G08
HDQ8-SD3Z	PHD8
LSTA36	LSTA36
A34	MP34



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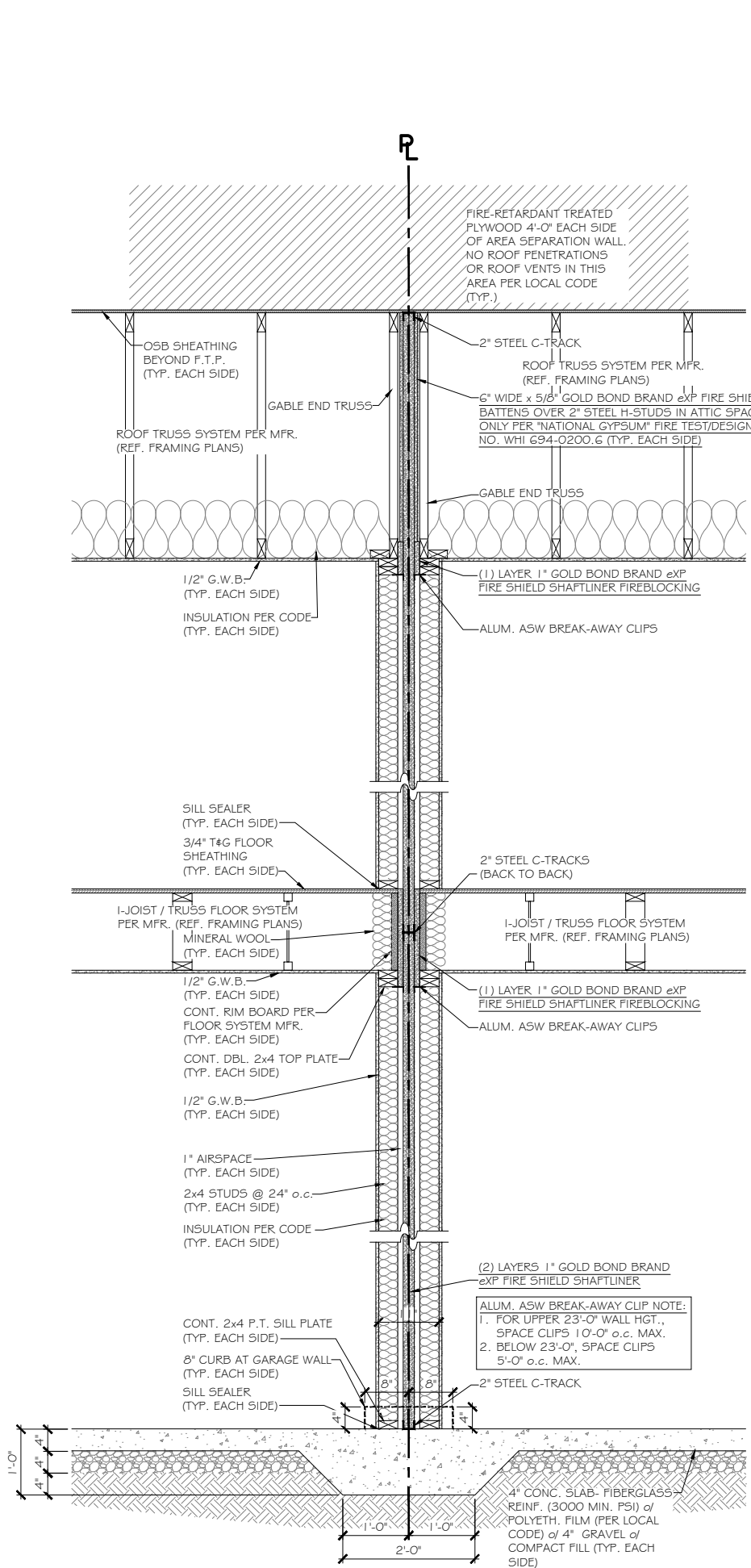
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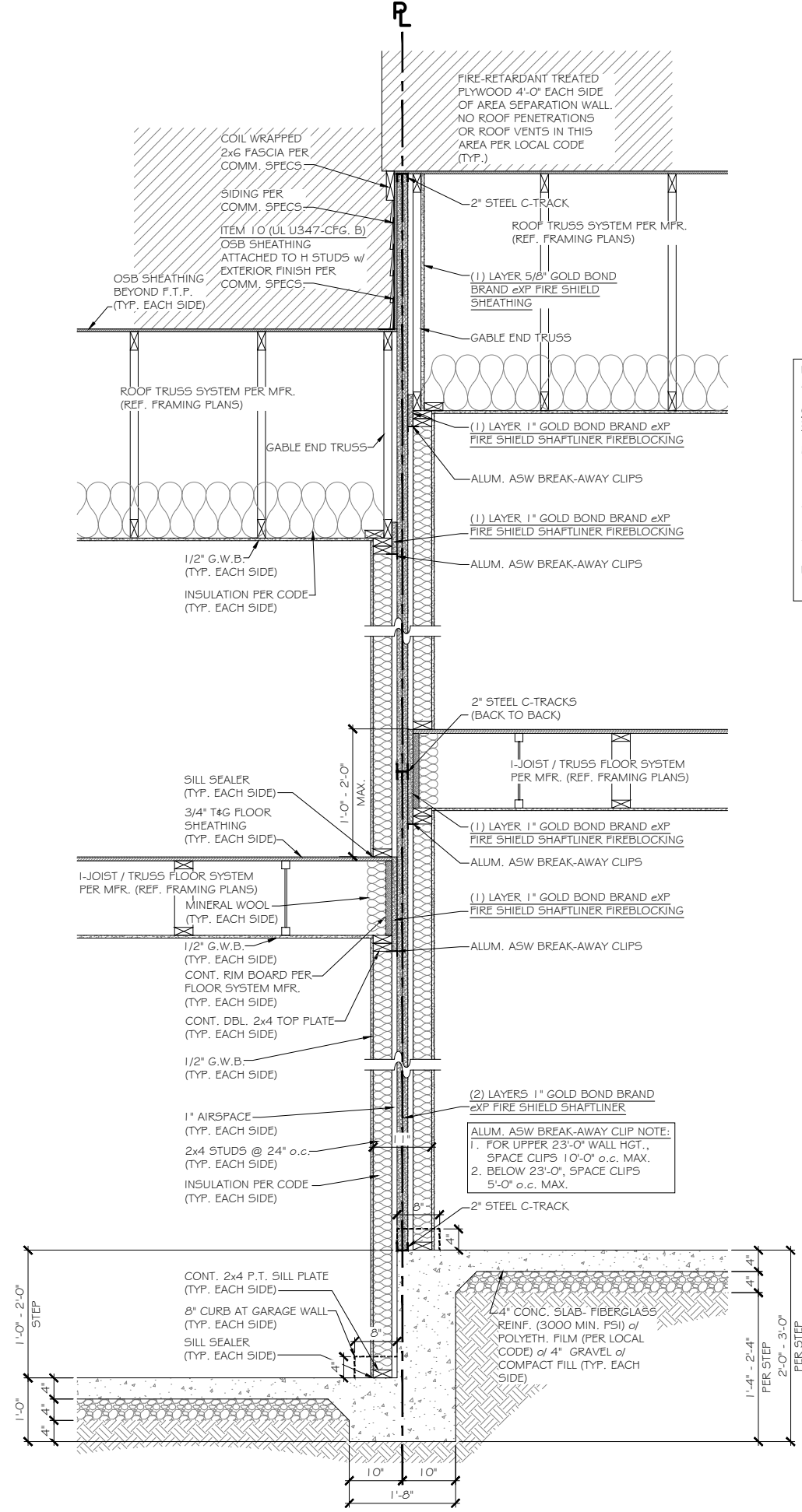
LUCAS TH 1340
HARNETT COUNTY

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 PREPARED BY: Michael
 DATE: 9.6.24
 SCALE: AS SHOWN
 REVIEWED BY: Chuck

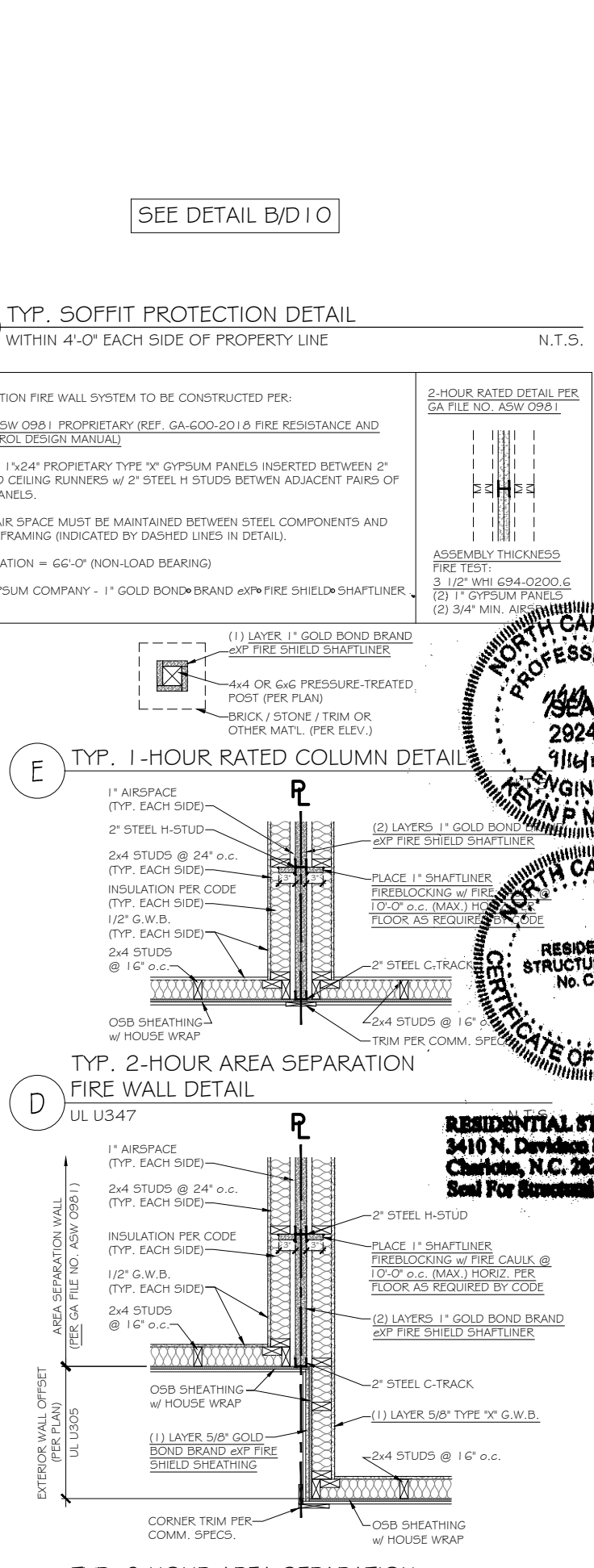
SHEET: **D1**



N.T.S.



N.T.S.



N.T.S.

SEE DETAIL B/D 10

F TYP. SOFFIT PROTECTION DETAIL
WITHIN 4'-0" EACH SIDE OF PROPERTY LINE
N.T.S.

NOTE:
AREA SEPARATION FIRE WALL SYSTEM TO BE CONSTRUCTED PER:
GA FILE NO. ASW 0981 PROPRIETARY (REF. GA-600-2018 FIRE RESISTANCE AND SOUND CONTROL DESIGN MANUAL)

2-HOUR RATED DETAIL PER GA FILE NO. ASW 0981

1. (2) LAYERS 1"x24" PROPRIETARY TYPE "X" GYPSUM PANELS INSERTED BETWEEN 2" FLOOR AND CEILING RUNNERS w/ 2" STEEL H STUDS BETWEEN ADJACENT PAIRS OF GYPSUM PANELS.

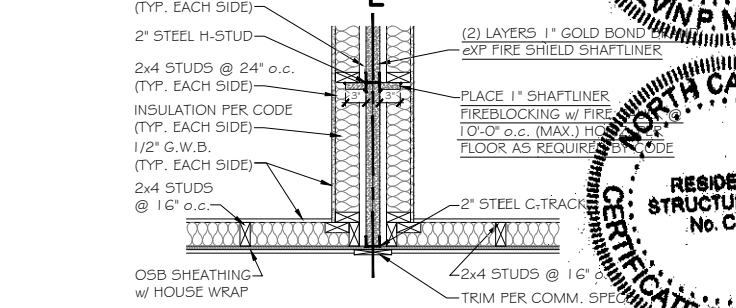
2. MIN. 3/4" AIR SPACE MUST BE MAINTAINED BETWEEN STEEL COMPONENTS AND ADJACENT FRAMING (INDICATED BY DASHED LINES IN DETAIL).

*HEIGHT LIMITATION = 6'-0" (NON-LOAD BEARING)

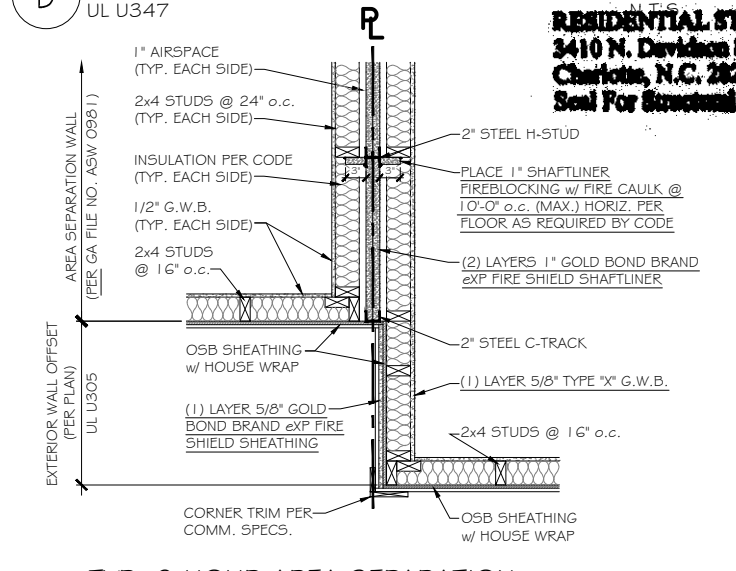
NATIONAL GYPSUM COMPANY - 1" GOLD BOND BRAND eXP FIRE SHIELD SHAFTLINER

ASSEMBLY THICKNESS
FIRE TEST:
3 1/2" WHI 694-0200.6
(2) 1" GYPSUM PANELS
(2) 3/4" MIN. AIRSPACE

E TYP. 1-HOUR RATED COLUMN DETAIL
N.T.S.



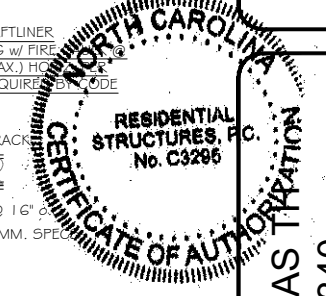
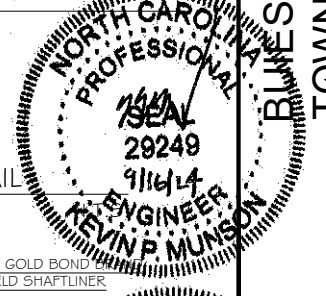
D TYP. 2-HOUR AREA SEPARATION FIRE WALL DETAIL
UL U347



C TYP. 2-HOUR AREA SEPARATION FIRE WALL DETAIL @ OFFSET
N.T.S.

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BLUES CREEK TOWNHOMES
DETAILS



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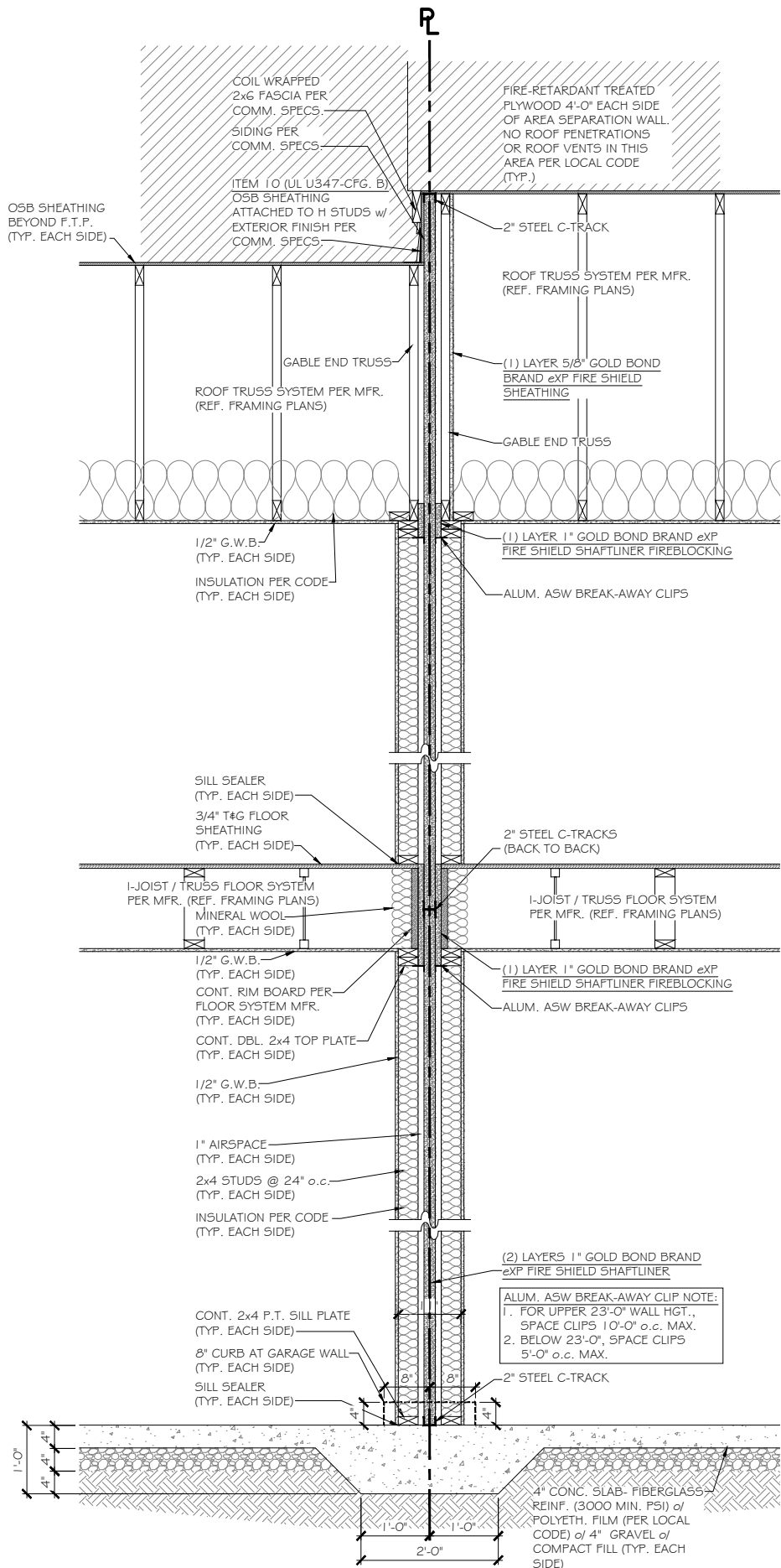
PREPARED BY:
Michael

DATE:
9.6.24

SCALE:
AS SHOWN

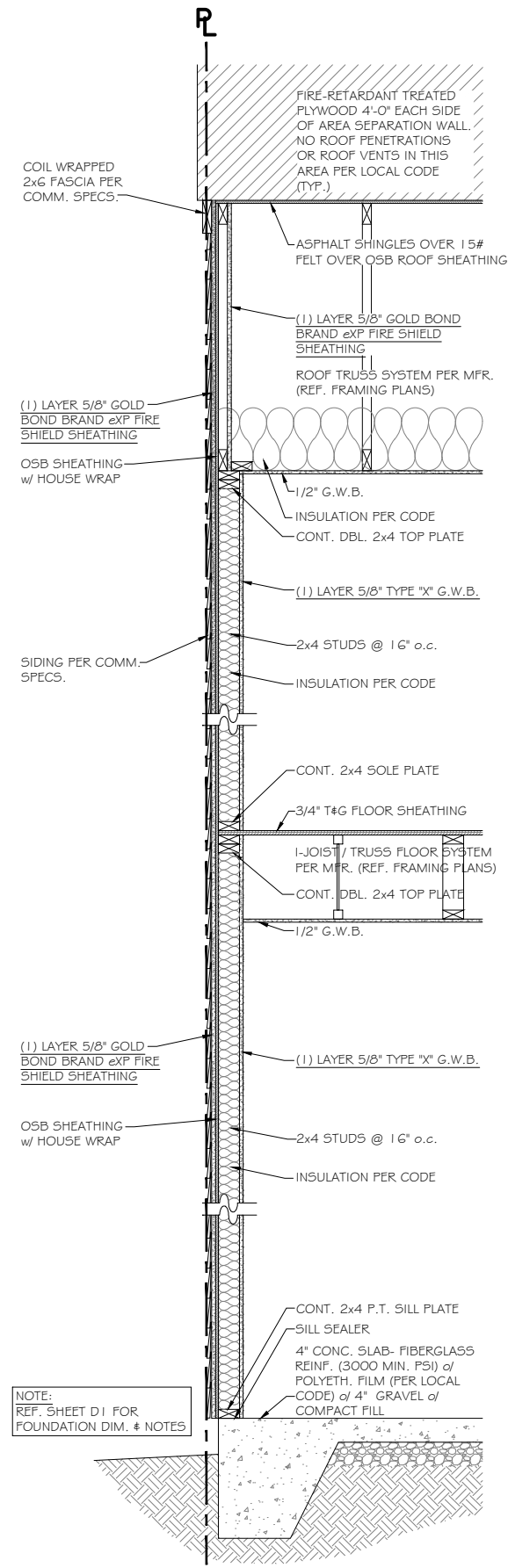
REVIEWED BY:
Chuck

SHEET:
D2

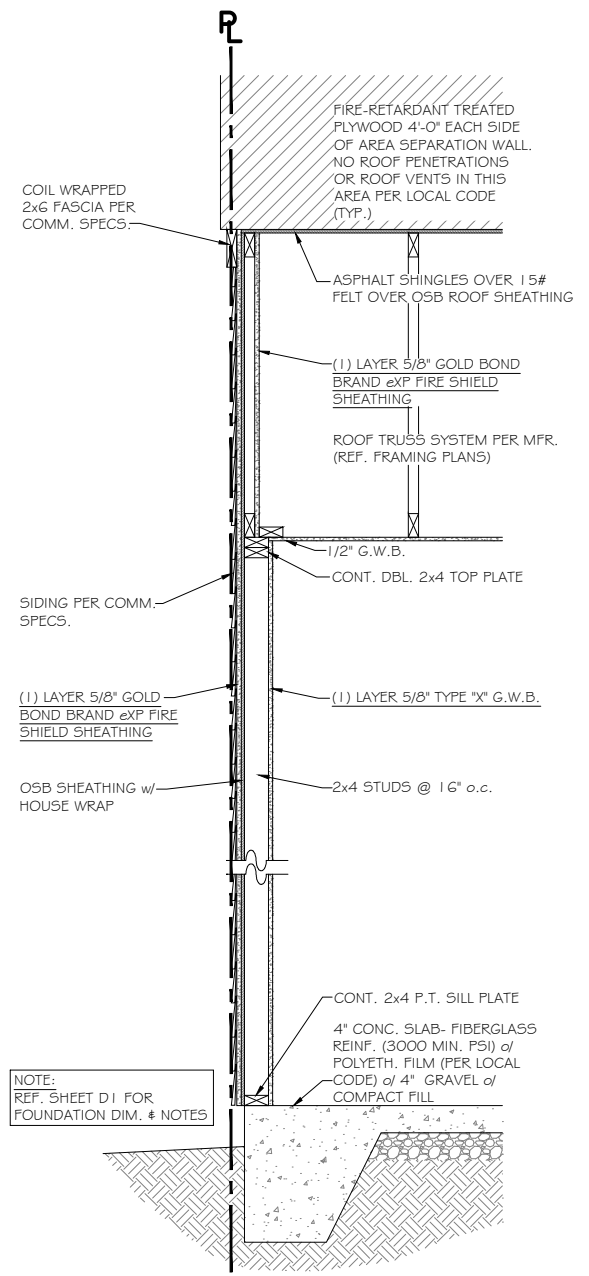


A TYP. 2-HOUR AREA SEPARATION FIRE WALL SECTION
UL U347

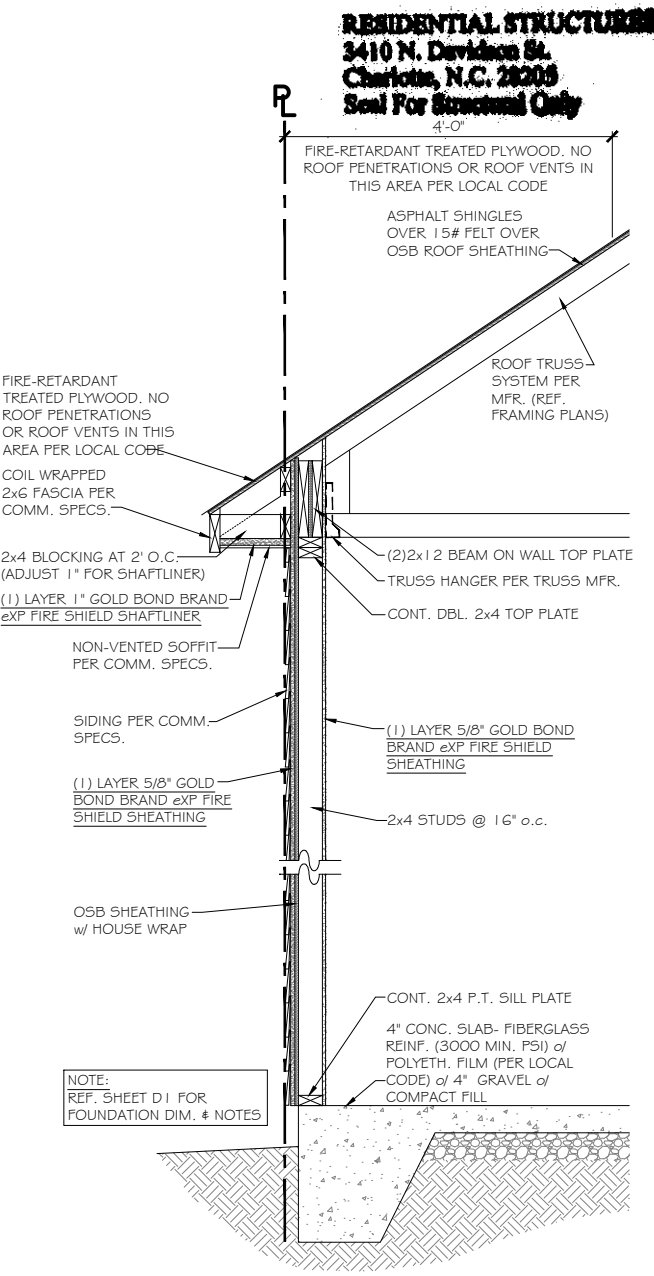
N.T.S.



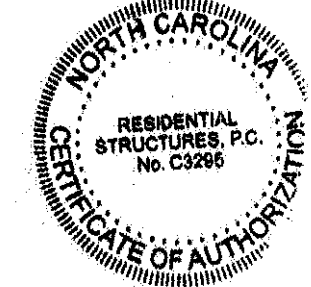
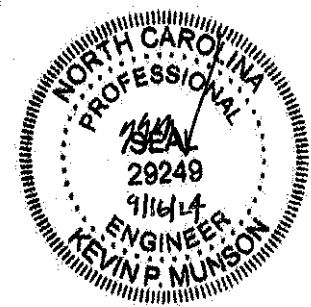
B TYP. 1-HOUR WALL SECTION @ GABLE END
UL U305 - 1-HOUR RATED WALL w/ NO OPENINGS N.T.S. OR PENETRATIONS ALLOWED



C TYP. 1-HOUR WALL SECTION @ GABLE END - GARAGE
UL U305 - 1-HOUR RATED WALL w/ NO OPENINGS N.T.S. OR PENETRATIONS ALLOWED



D TYP. 1-HOUR WALL SECTION @ ROOF EAVE - GARAGE
UL U305 - 1-HOUR RATED WALL w/ NO OPENINGS N.T.S. OR PENETRATIONS ALLOWED



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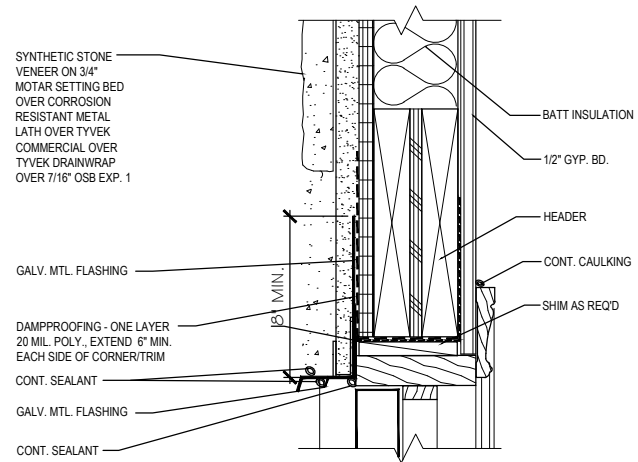
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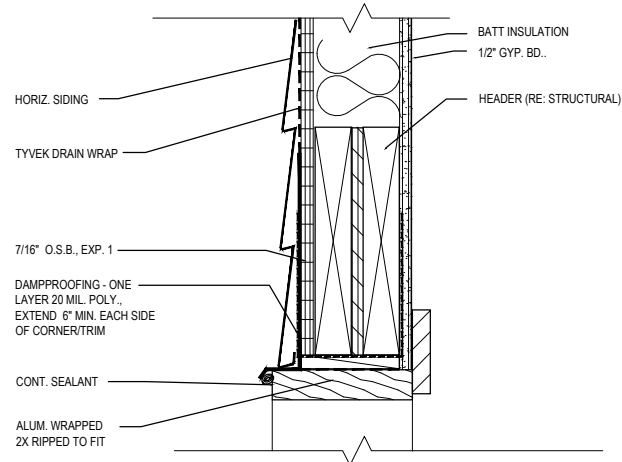
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PREPARED BY: *Michael*
DATE: 9.6.24
SCALE: AS SHOWN
REVIEWED BY: *Chuck*

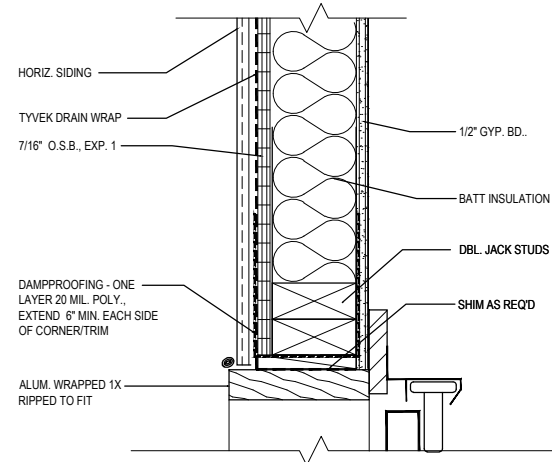
SHEET: **D3**



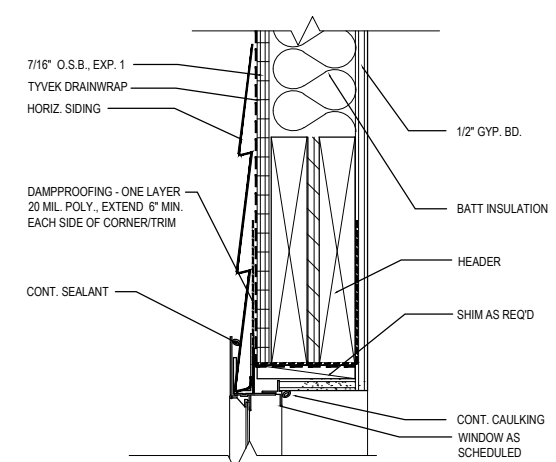
12 DOOR HEAD @ STONE
N.T.S.



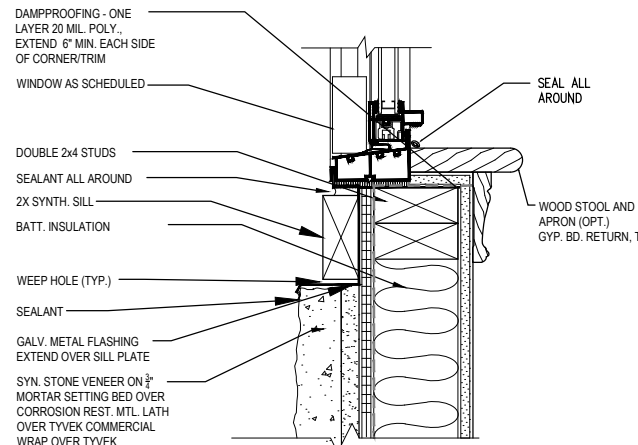
09 GARAGE DOOR HEAD @ SIDING
N.T.S.



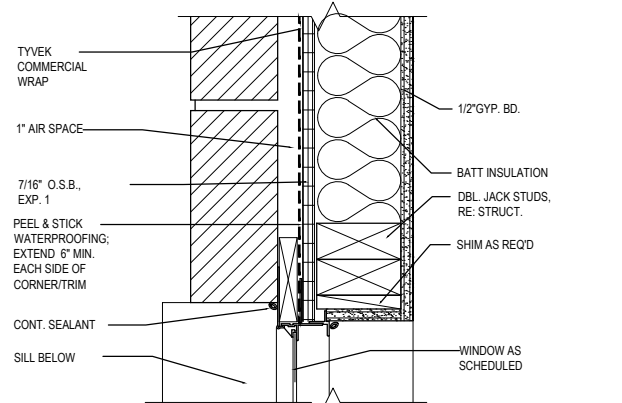
06 GARAGE DOOR JAM @ SIDING
N.T.S.



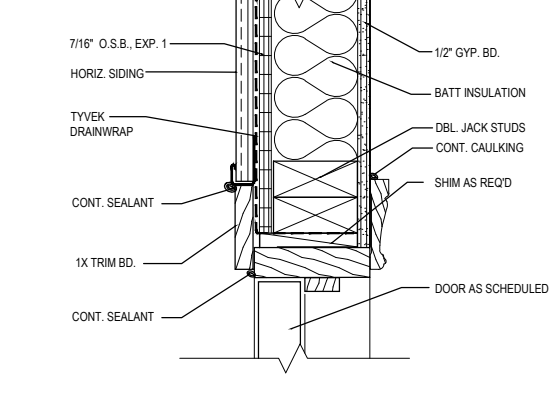
03 WINDOW HEAD @ SIDING
N.T.S.



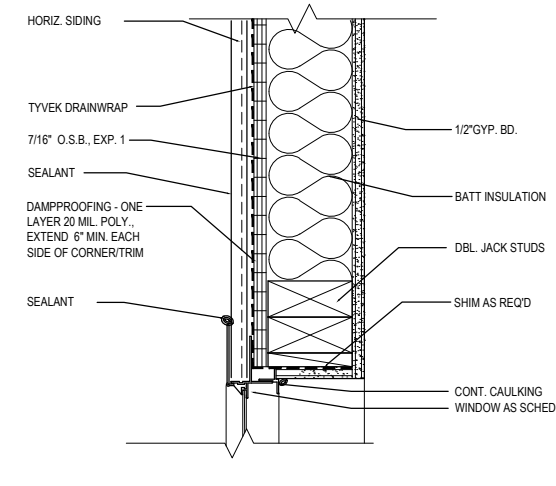
11 WINDOW SILL @ STONE
N.T.S.



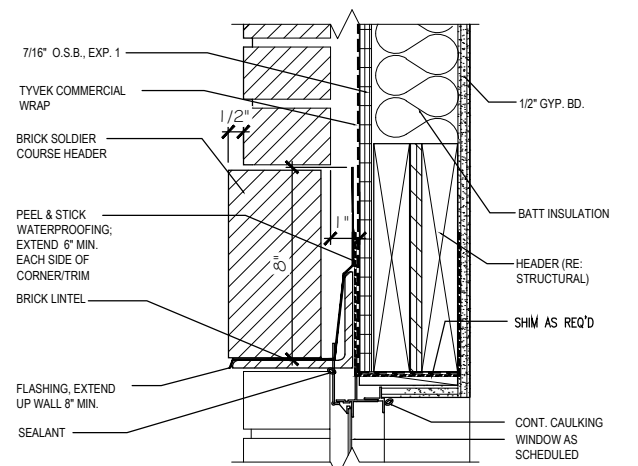
08 WINDOW JAMB @ BRICK
N.T.S.



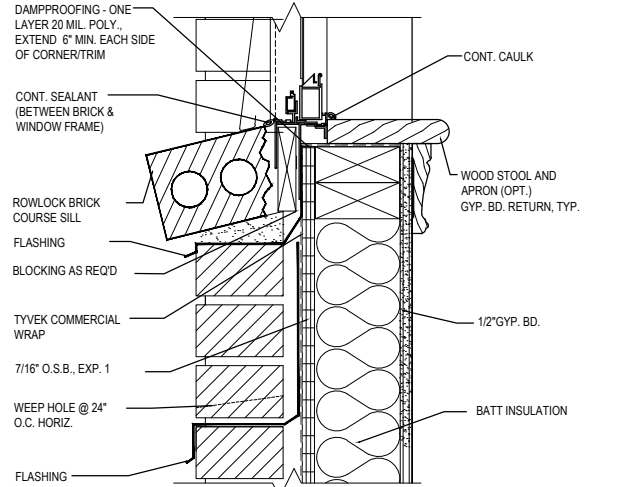
05 EXTERIOR DOOR JAM @ SIDING
N.T.S.



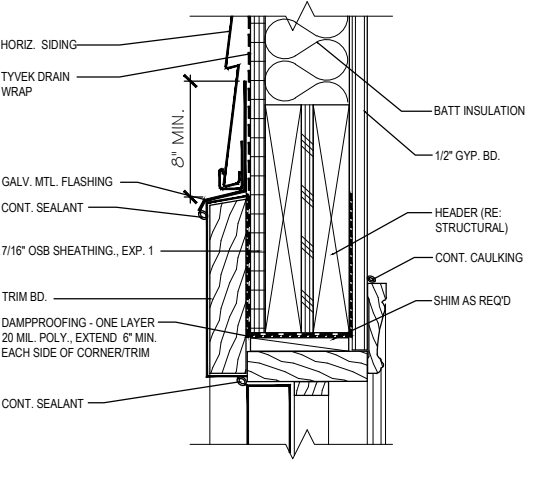
02 WINDOW JAMB @ SIDING
N.T.S.



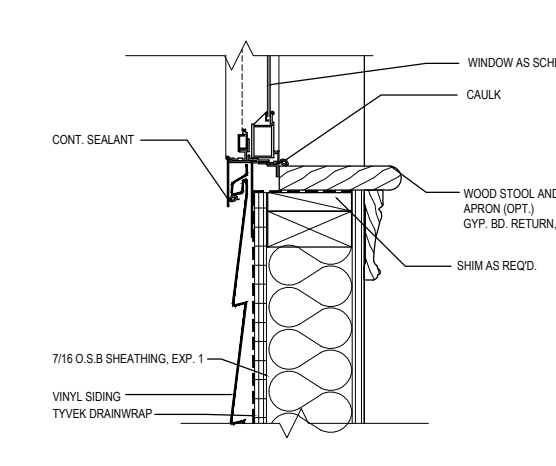
10 WINDOW HEAD @ BRICK
N.T.S.



07 WINDOW SILL @ BRICK
N.T.S.



11 EXT. DOOR HEAD @ SIDING
N.T.S.



01 WINDOW SILL @ SIDING
N.T.S.

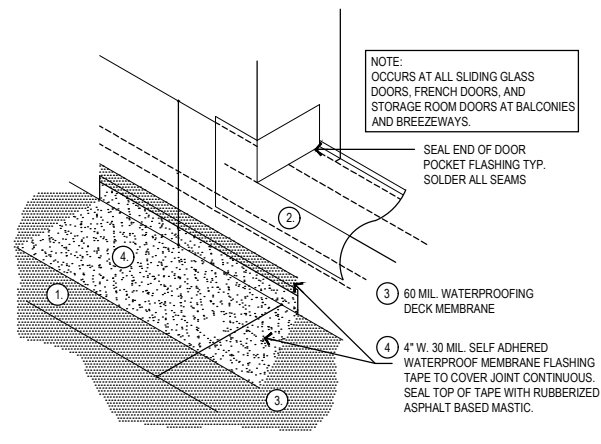
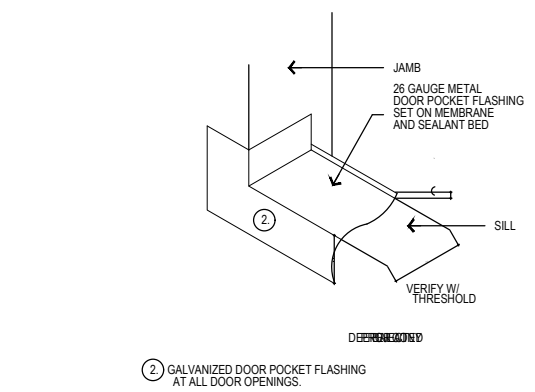
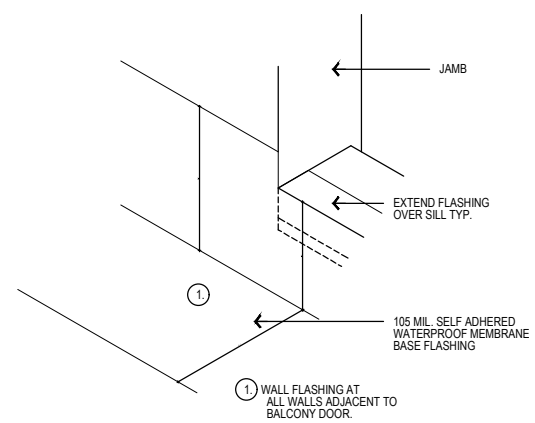
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DETAILS

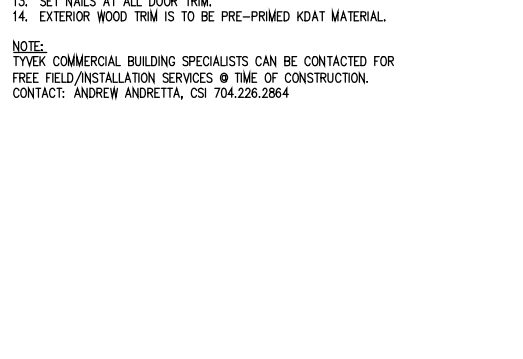
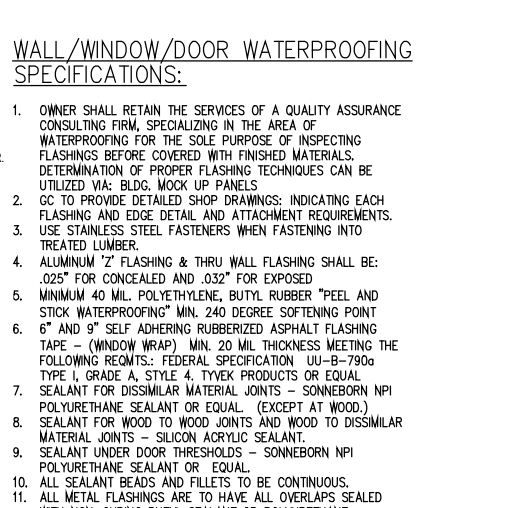
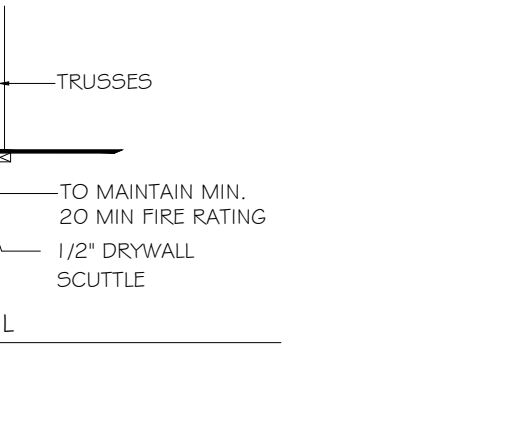
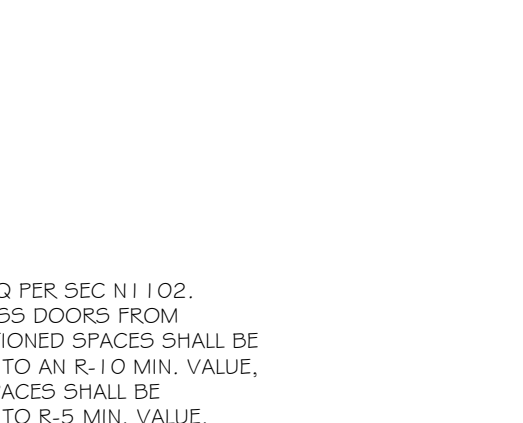
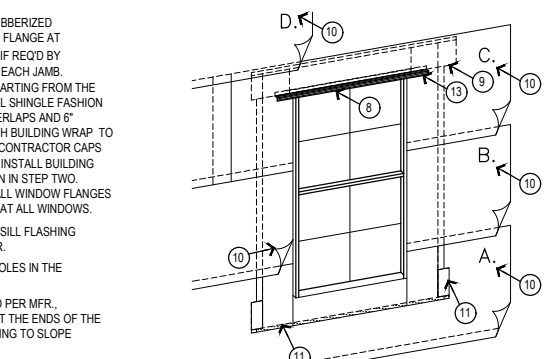
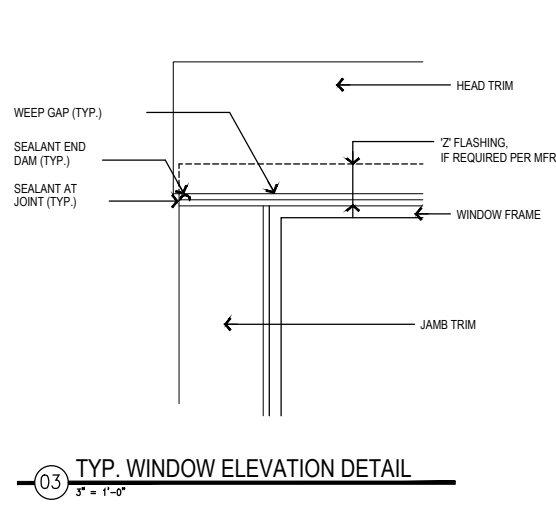
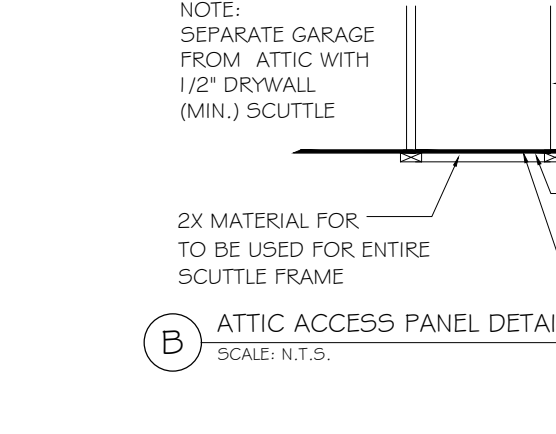
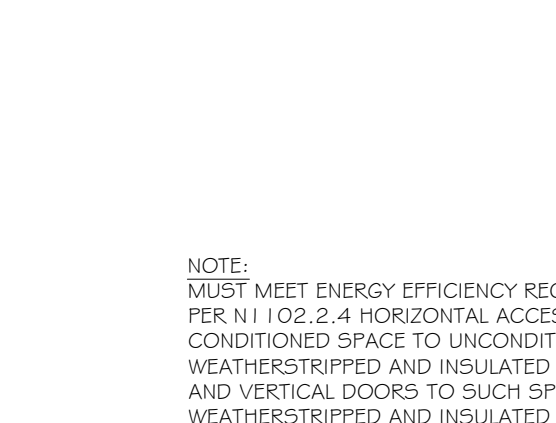
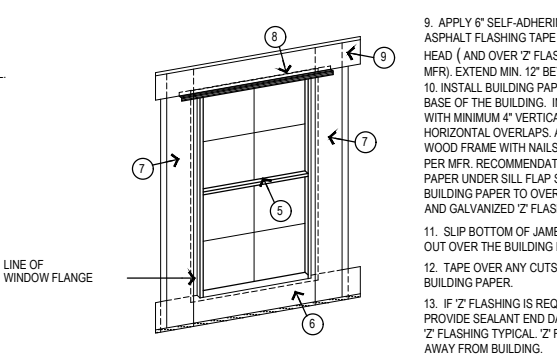
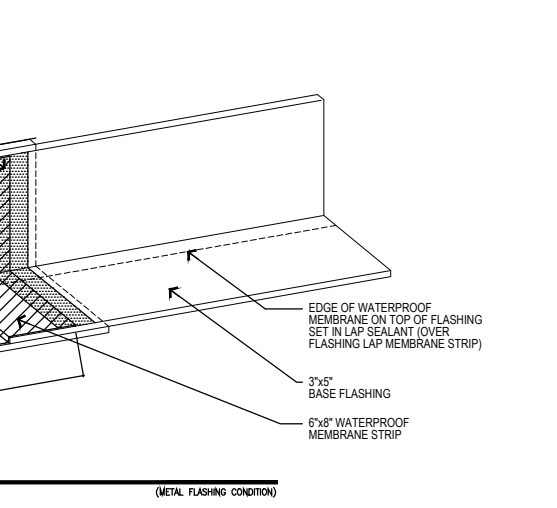
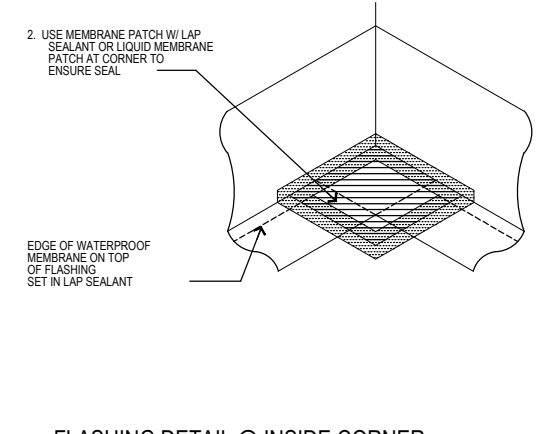
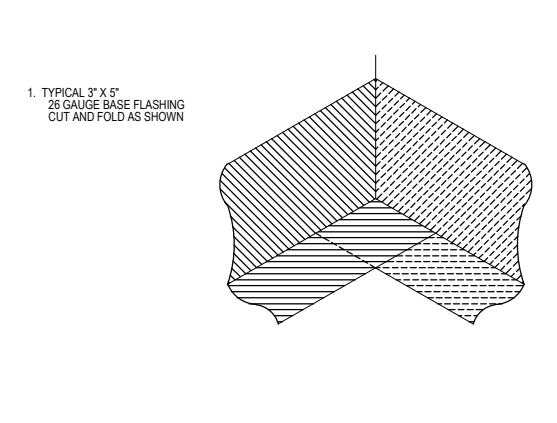
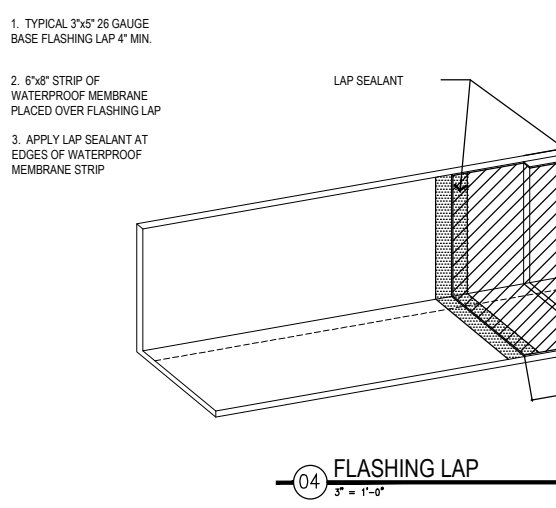
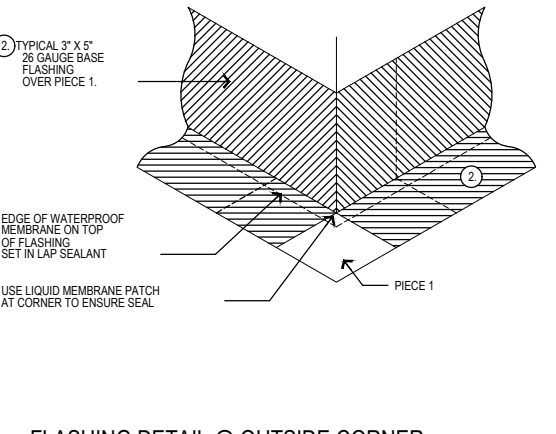
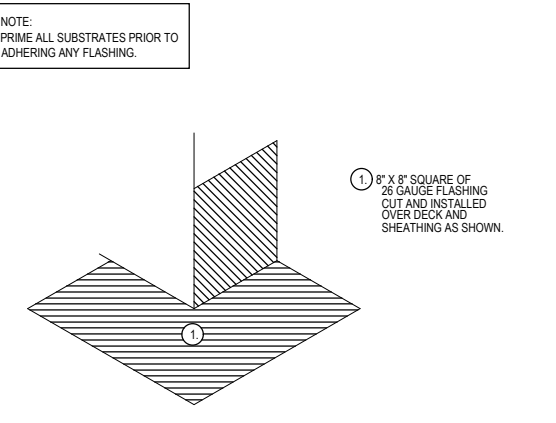
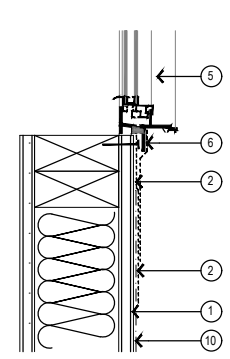
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PREPARED BY: *Michael*
DATE: 9.6.24
SCALE: AS SHOWN
REVIEWED BY: *Chuck*

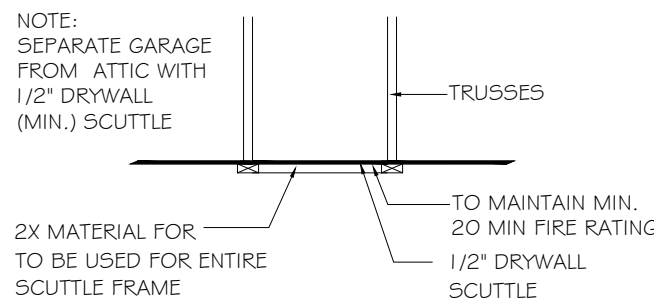
SHEET: **D4**



1. APPLY SHEATHING TO WALL FRAMING AS SHOWN ON STRUCTURAL DRAWINGS.
2. ATTACH 9\"/>



NOTE:
MUST MEET ENERGY EFFICIENCY REQ PER SEC N I I 02. PER N I I 02.2.4 HORIZONTAL ACCESS DOORS FROM CONDITIONED SPACE TO UNCONDITIONED SPACES SHALL BE WEATHERSTRIPPED AND INSULATED TO AN R-10 MIN. VALUE, AND VERTICAL DOORS TO SUCH SPACES SHALL BE WEATHERSTRIPPED AND INSULATED TO R-5 MIN. VALUE.

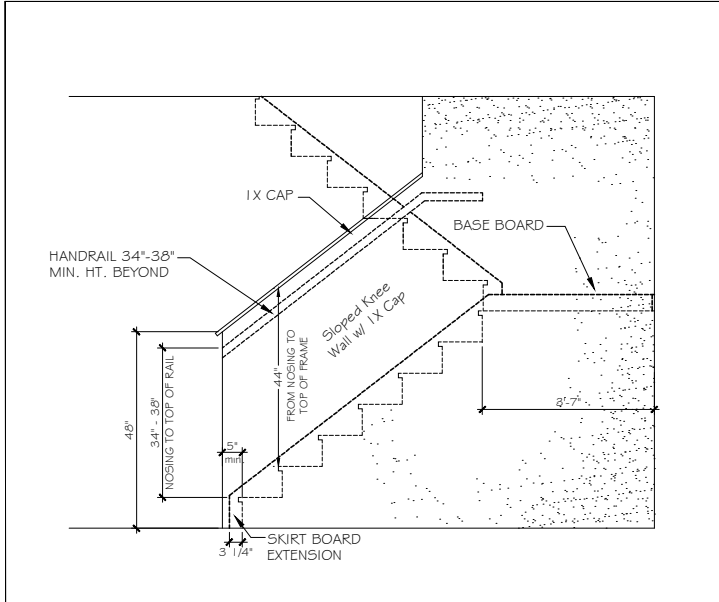


B ATTIC ACCESS PANEL DETAIL
SCALE: N.T.S.

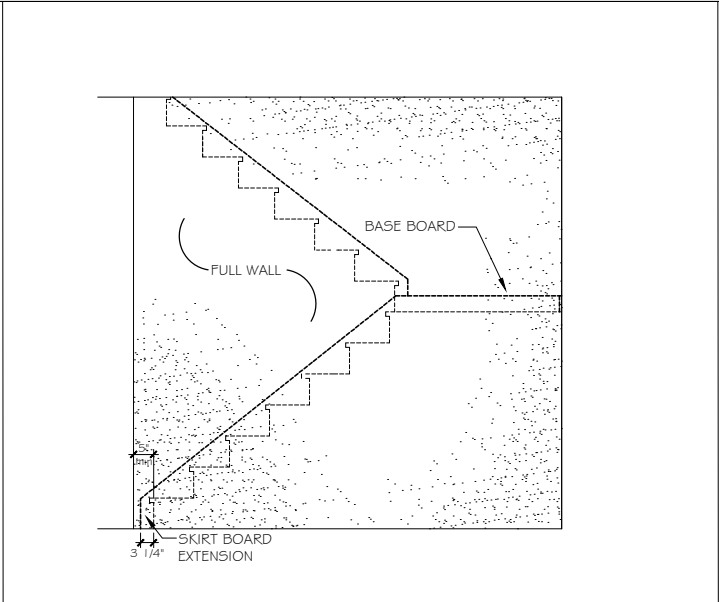
WALL/WINDOW/DOOR WATERPROOFING SPECIFICATIONS:

1. OWNER SHALL RETAIN THE SERVICES OF A QUALITY ASSURANCE CONSULTING FIRM, SPECIALIZING IN THE AREA OF WATERPROOFING FOR THE SOLE PURPOSE OF INSPECTING FLASHINGS BEFORE COVERED WITH FINISHED MATERIALS. DETERMINATION OF PROPER FLASHING TECHNIQUES CAN BE UTILIZED VIA: BLDG. MOCK UP PANELS
2. GC TO PROVIDE DETAILED SHOP DRAWINGS, INDICATING EACH FLASHING AND EDGE DETAIL AND ATTACHMENT REQUIREMENTS.
3. USE STAINLESS STEEL FASTENERS WHEN FASTENING INTO TREATED LUMBER.
4. ALUMINUM 2\"/>

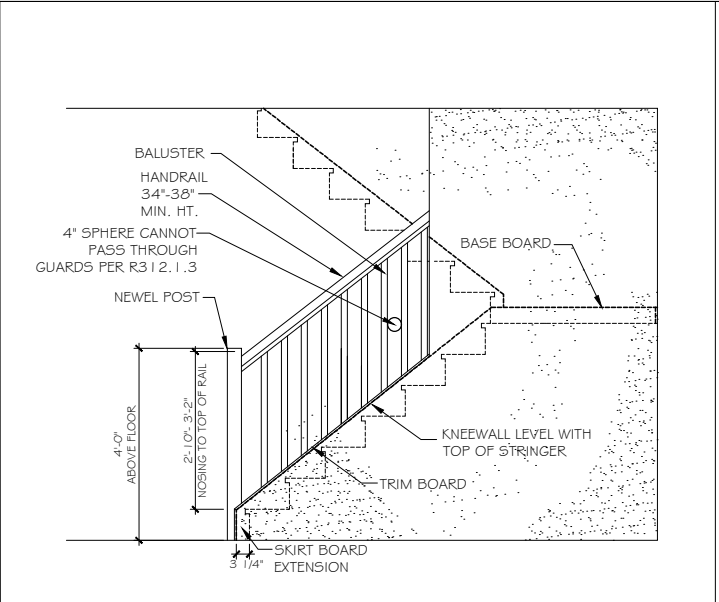
NOTE:
TYVEK COMMERCIAL BUILDING SPECIALISTS CAN BE CONTACTED FOR FREE FIELD/INSTALLATION SERVICES @ TIME OF CONSTRUCTION. CONTACT: ANDREW ANDRETTA, CSI 704.226.2864



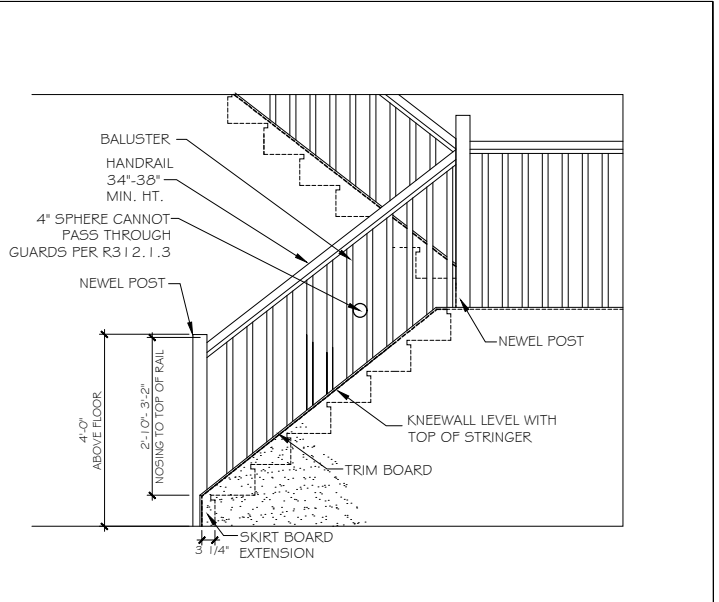
ST-1 48" SLOPED WALL w/ 1x CAP



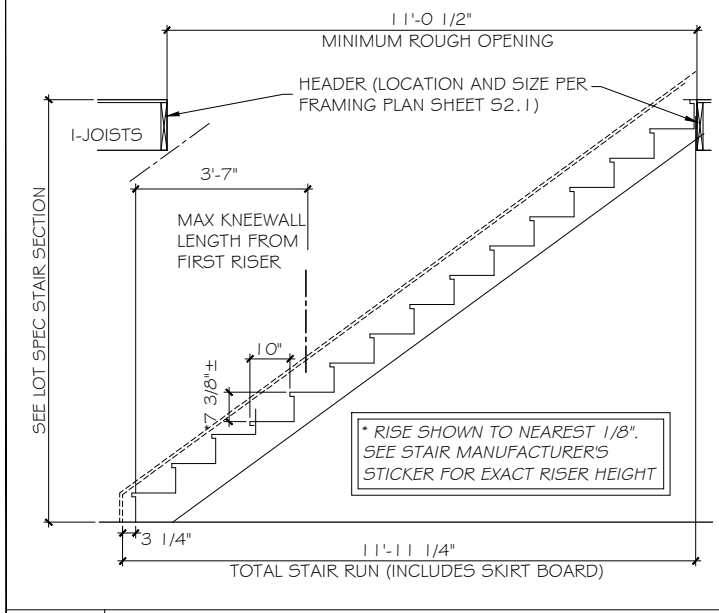
ST-2 FULL WALL



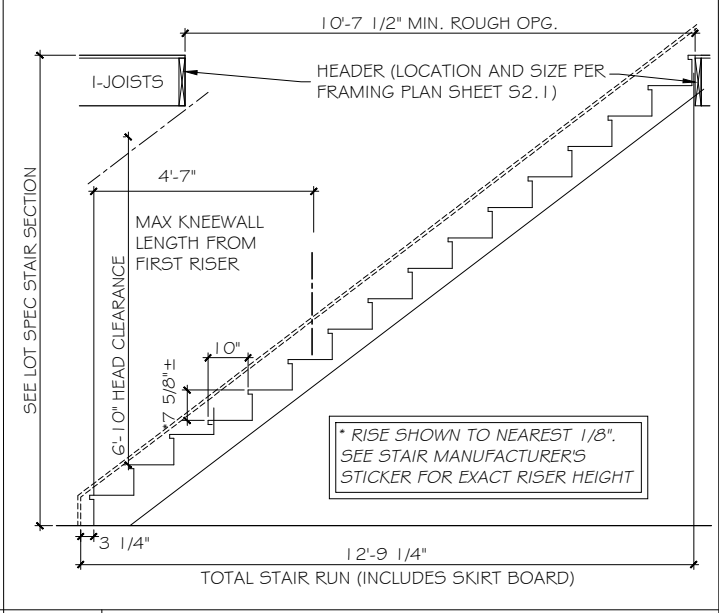
ST-3 OPT. OPEN RAIL



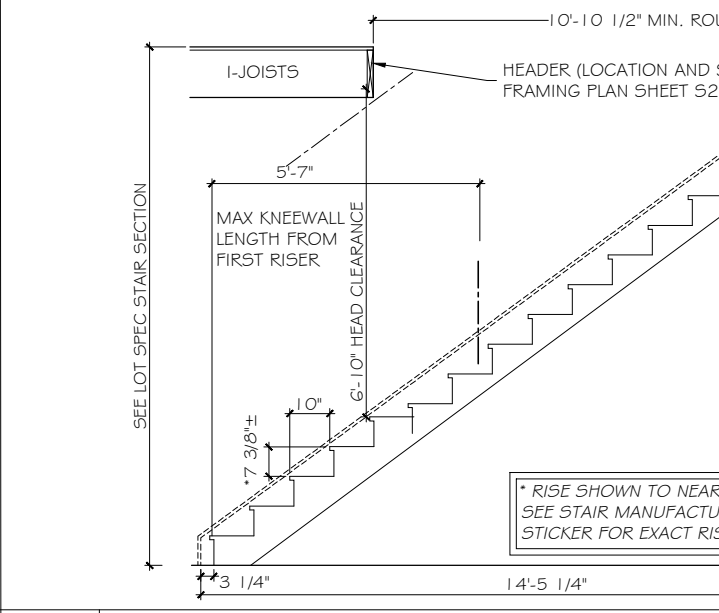
ST-4 OPT. OPEN RAIL FULL STAIR



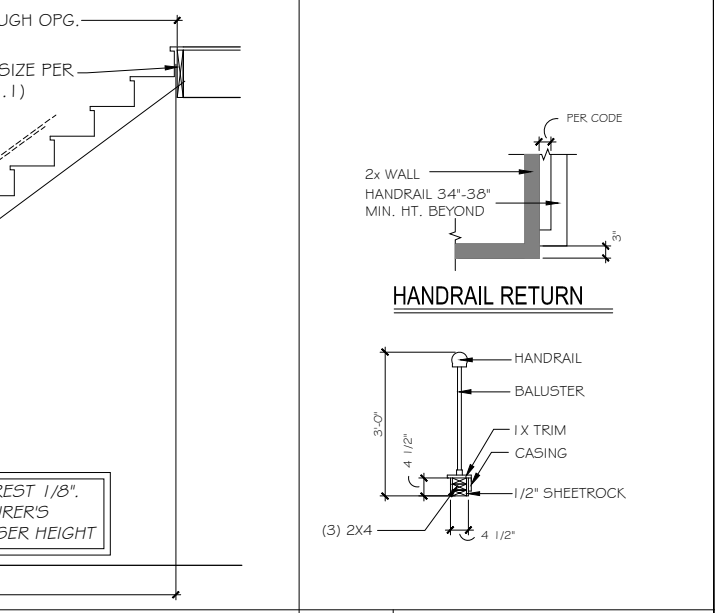
ST-5 STRAIGHT STAIR SECTION - 8ft CEILING HEIGHT w/ 11 7/8" FLOOR SYSTEM



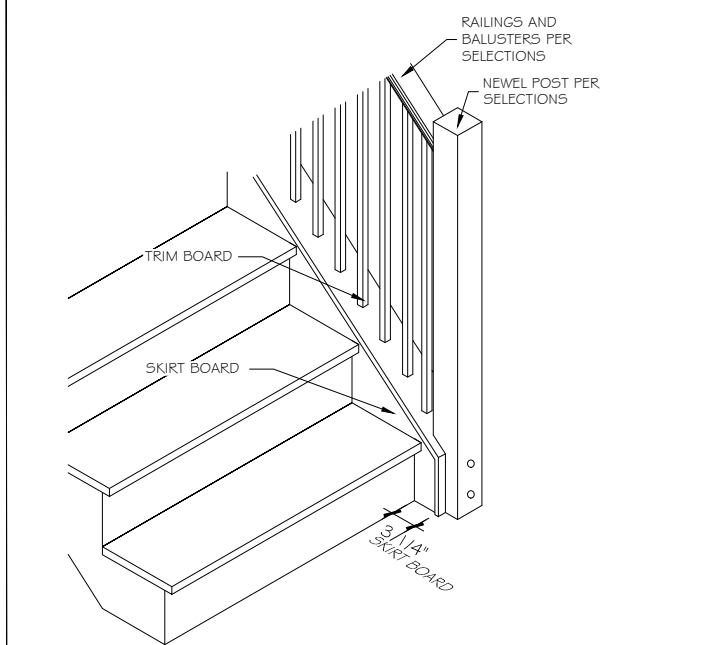
ST-6 STRAIGHT STAIR SECTION - 9ft CEILING HEIGHT w/ 11 7/8" FLOOR SYSTEM



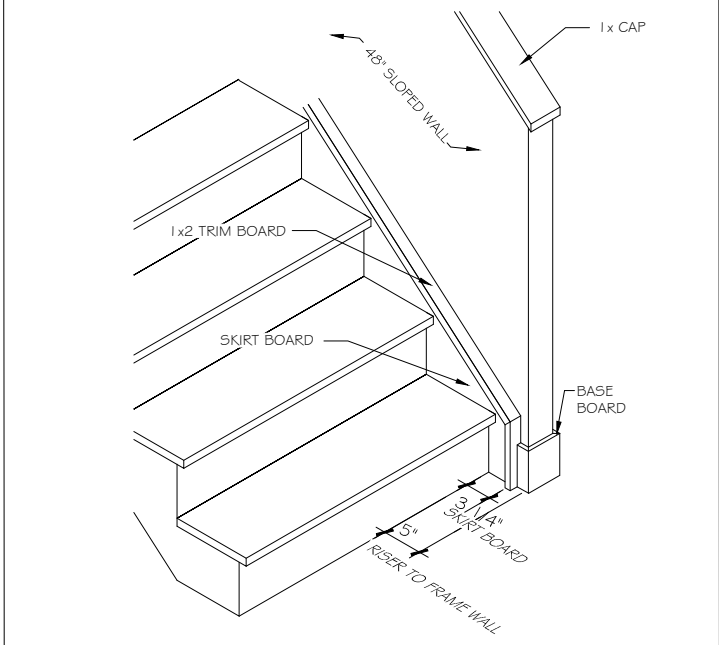
ST-7 STRAIGHT STAIR SECTION - 10ft CEILING HEIGHT w/ 11 7/8" FLOOR SYSTEM



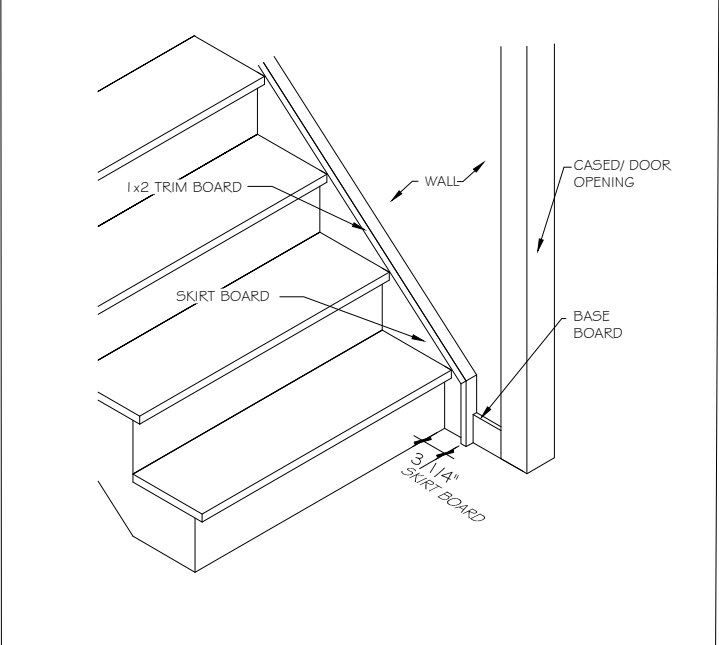
ST-8 HANDRAILS



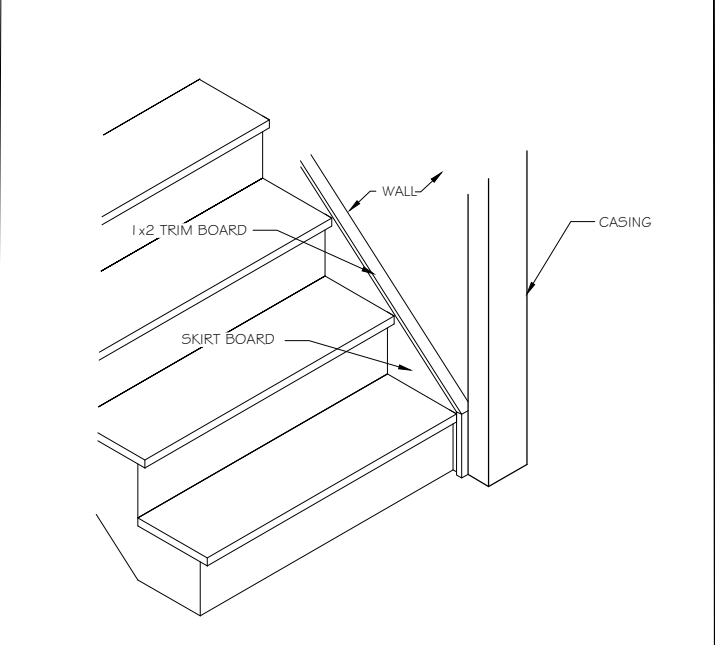
ST-9 OPT. OPEN RAIL - ISO



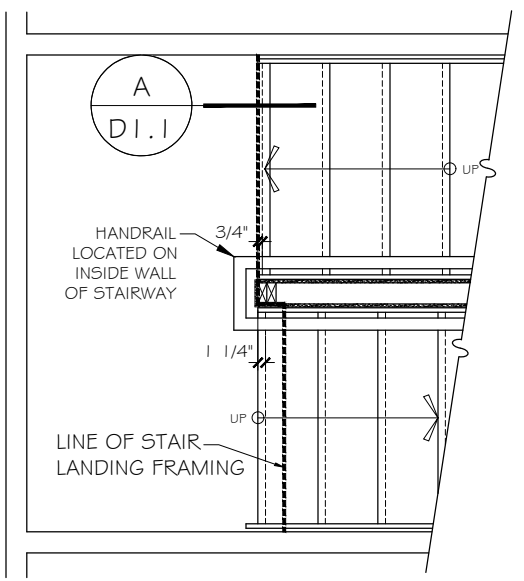
ST-10 48" SLOPED WALL w/ 1x CAP - ISO



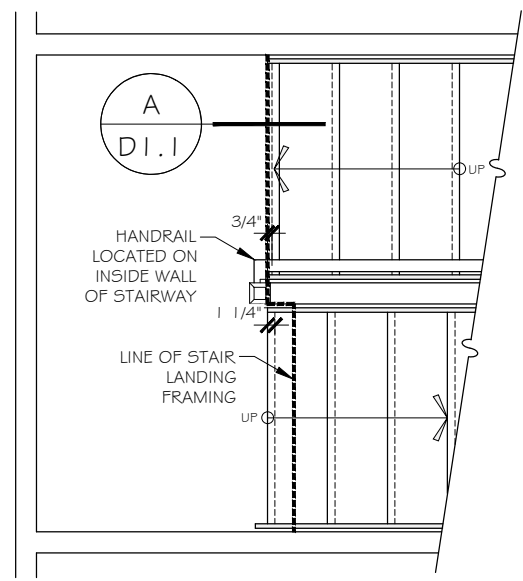
ST-11 STAIRS @ CASSED OPENING - ISO



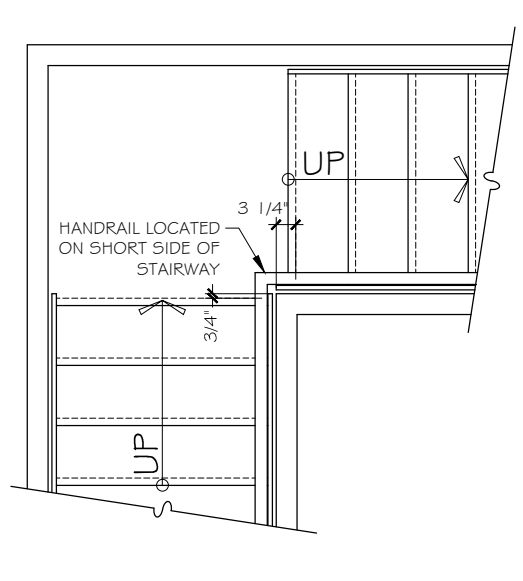
ST-12 TRIM SKIRT BOARD @ CASSED OPENING



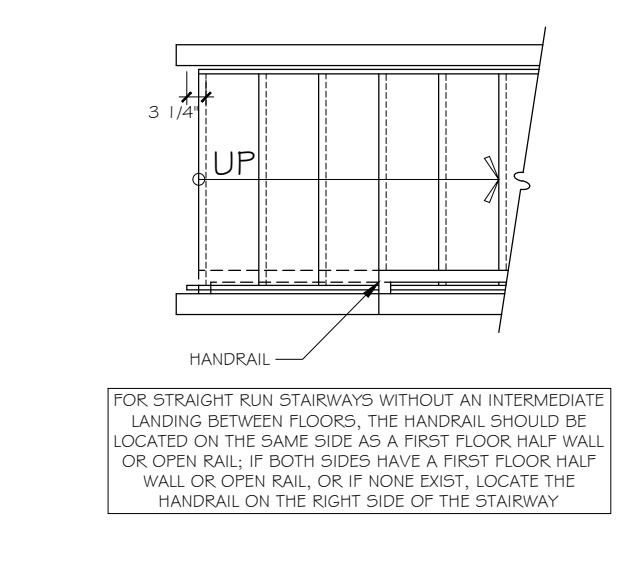
ST-13 STAIR LANDING HALF WALL w/ CAP



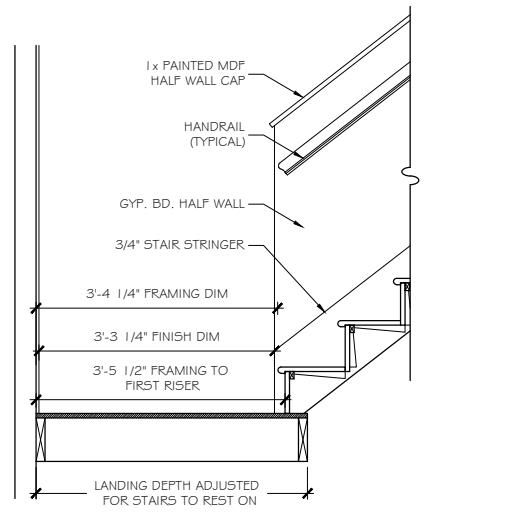
ST-14 STAIR LANDING NEWEL POST & BALUSTRADES



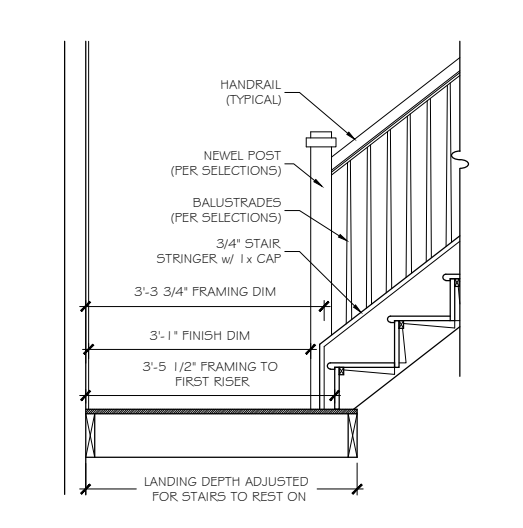
ST-15 STAIR LANDING FULL WALL



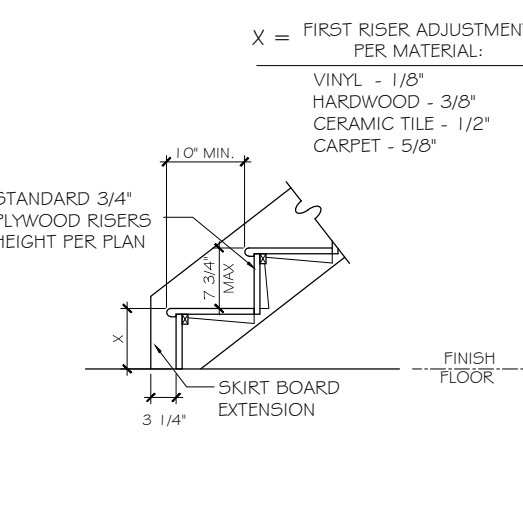
ST-15a STAIR w/o INTERMEDIATE LANDING



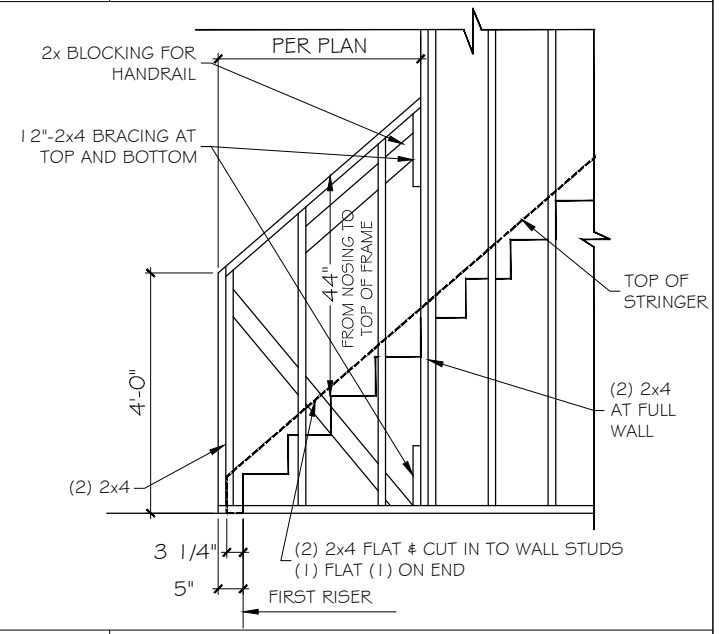
ST-17 SECTION A- SLOPED WALL



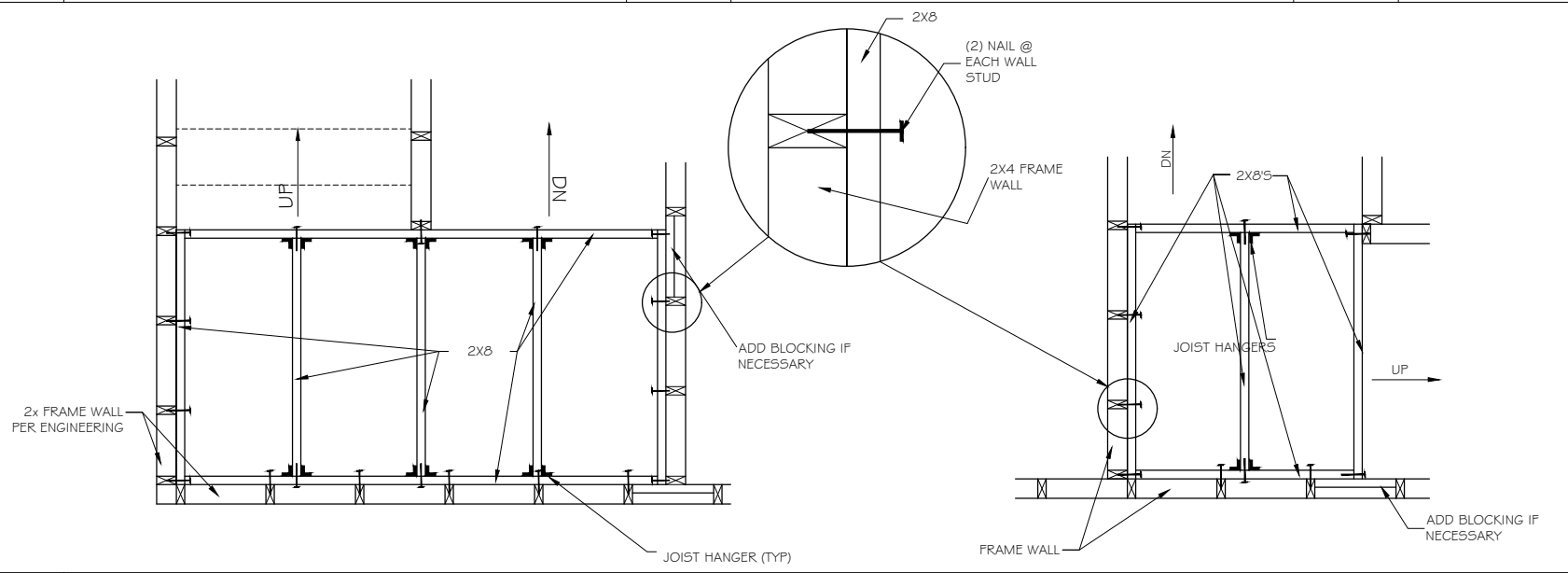
ST-18 SECTION A- OPEN RAIL



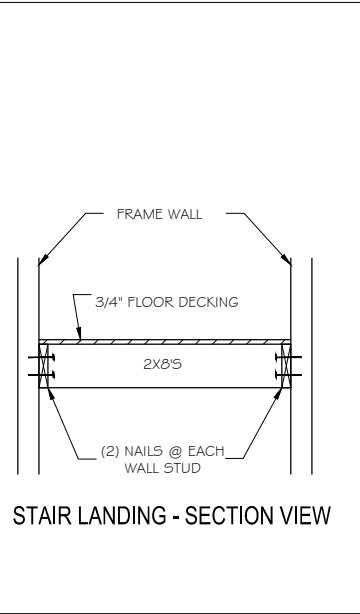
ST-19 STAIR SECTION - FIRST FLOOR



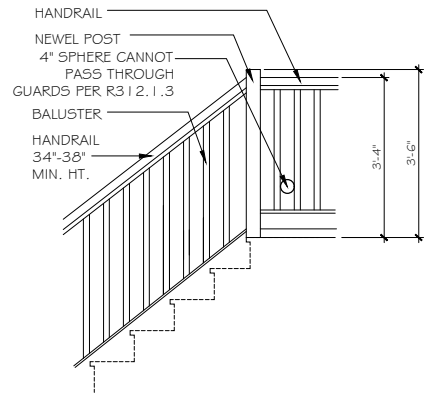
ST-16 SLOPED WALL @ STAIRS - FRAMING



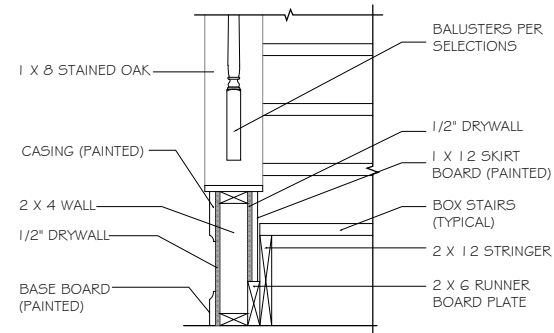
ST-21 STAIR LANDING - PLAN VIEW



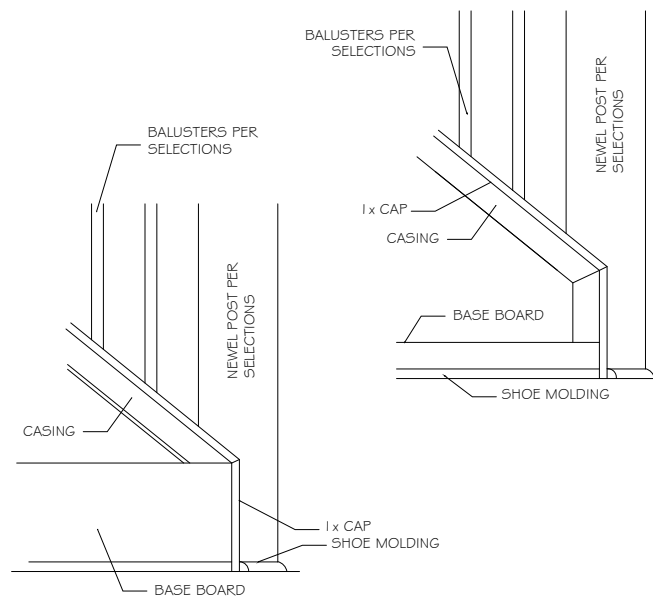
ST-20 OPEN RAIL - CURB WALL FRAMING



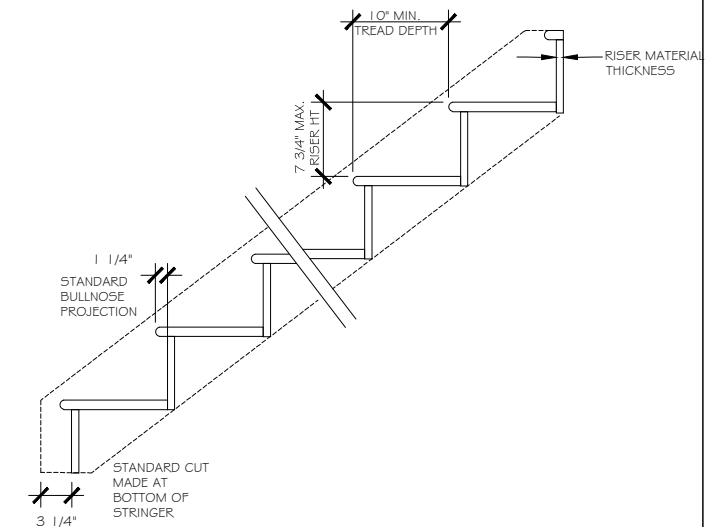
ST-23 OPT. OPEN RAIL AT LANDING



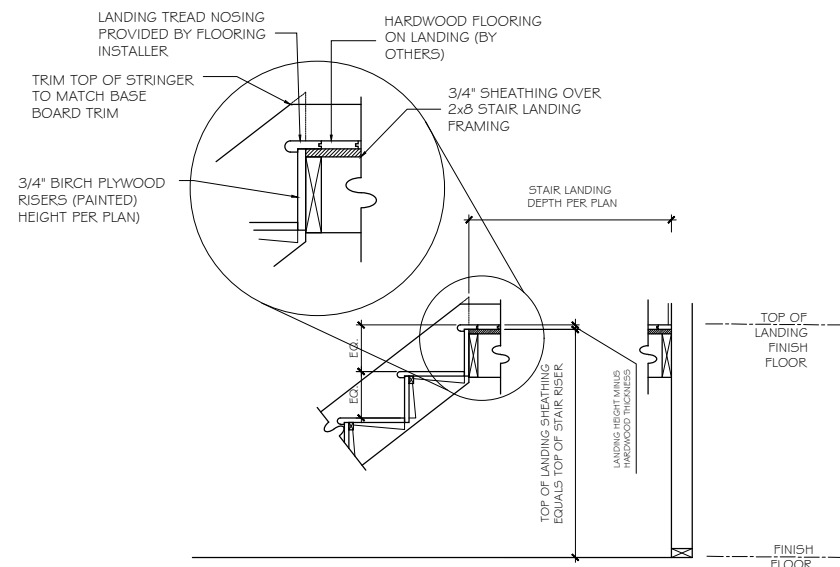
ST-24 SECTION @ CURB WALL



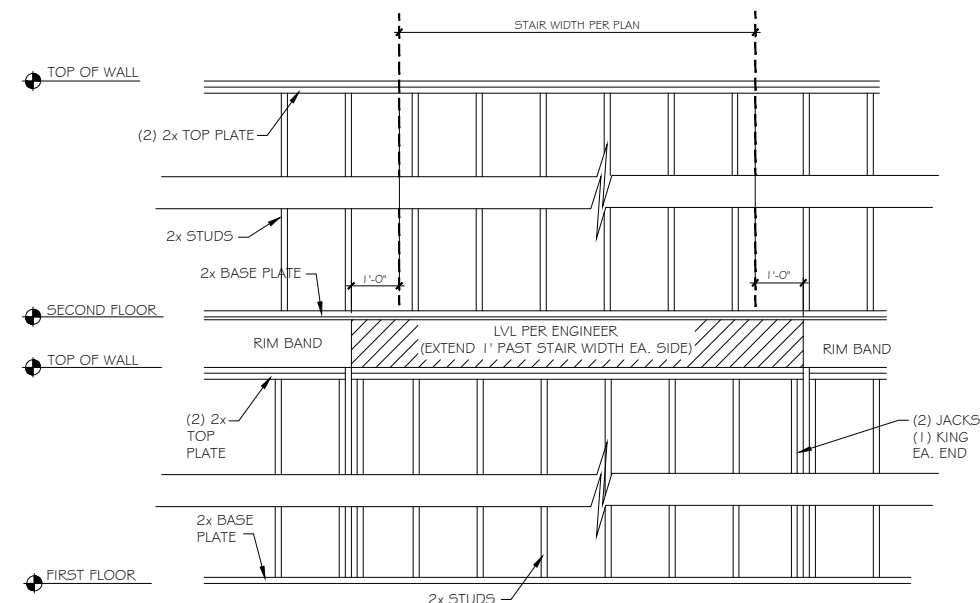
ST-25 OUTSIDE TRIM @ STAIR CURB WALL



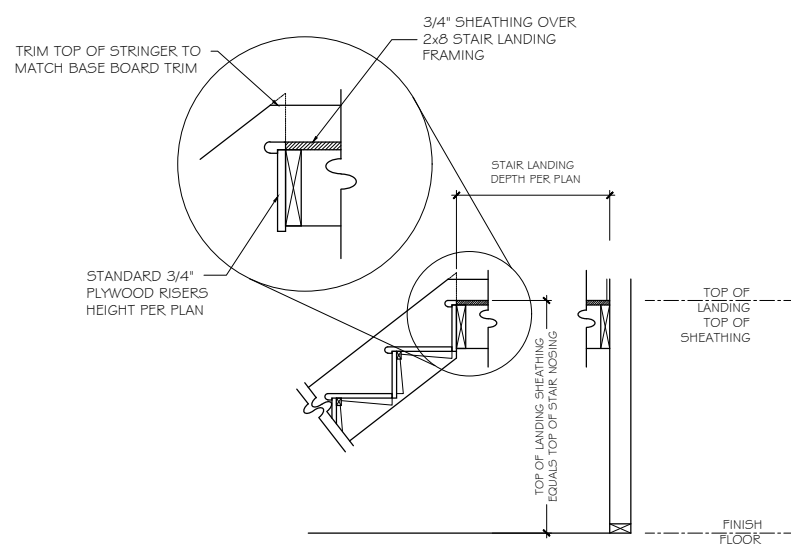
STAIR SECTION



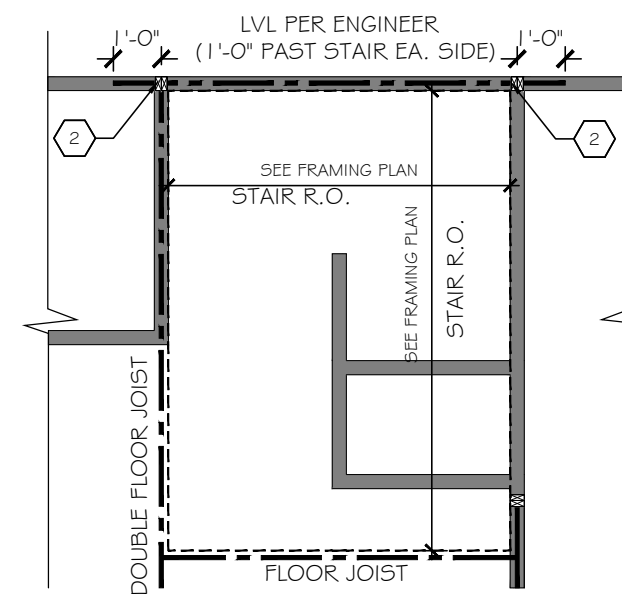
ST-26 STAIR SECTION - HARDWOOD STAIRS AND LANDING



ST-28 EXTERIOR WALL FRAMING @ U-SHAPED STAIRS in BALLOON FRAMING



ST-27 STAIR SECTION - CARPET STAIRS AND LANDING



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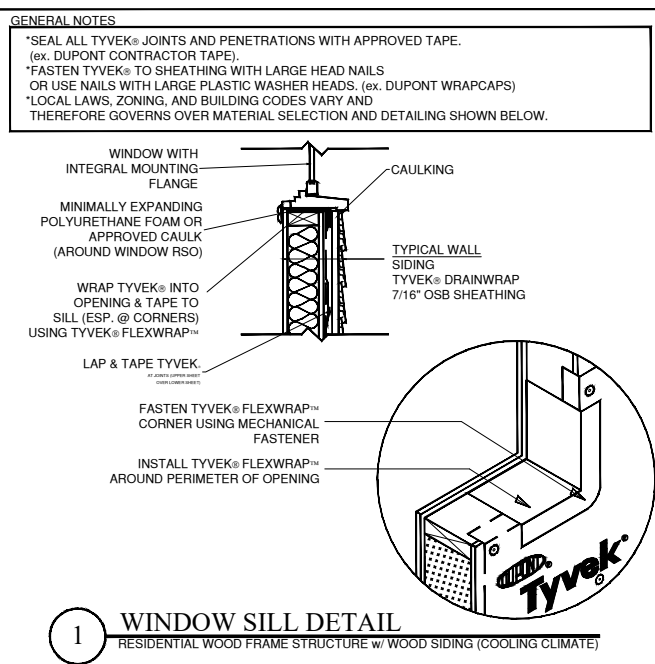
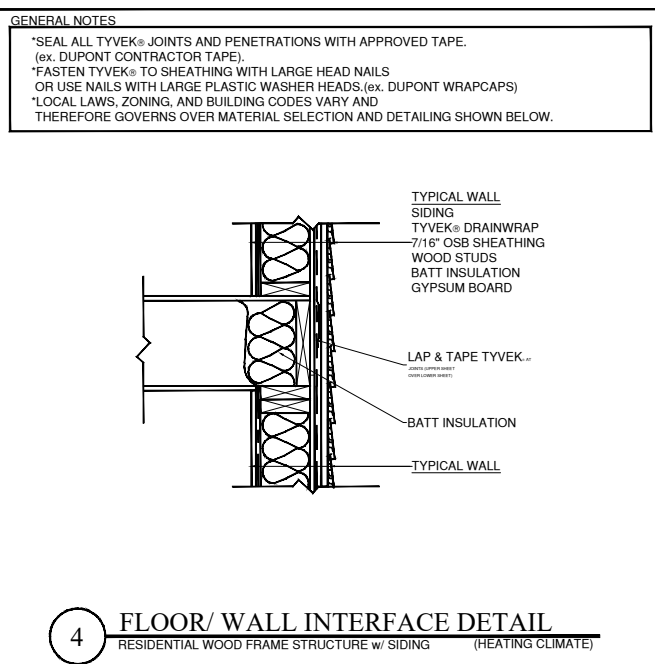
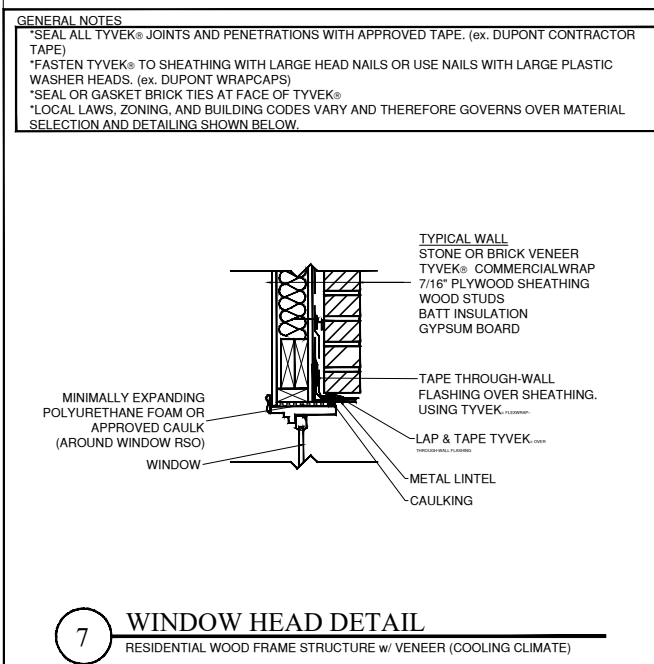
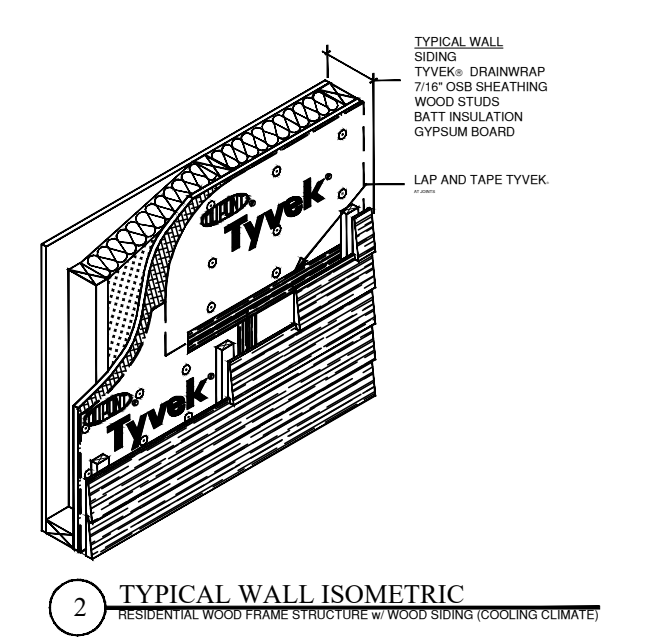
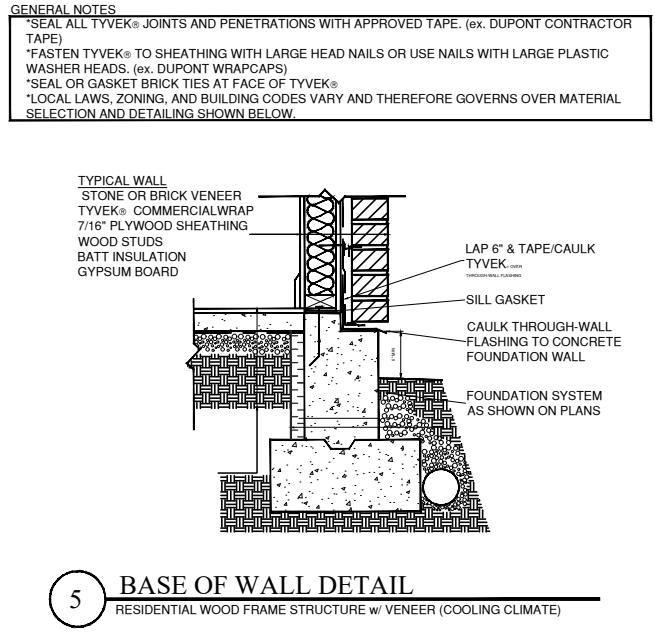
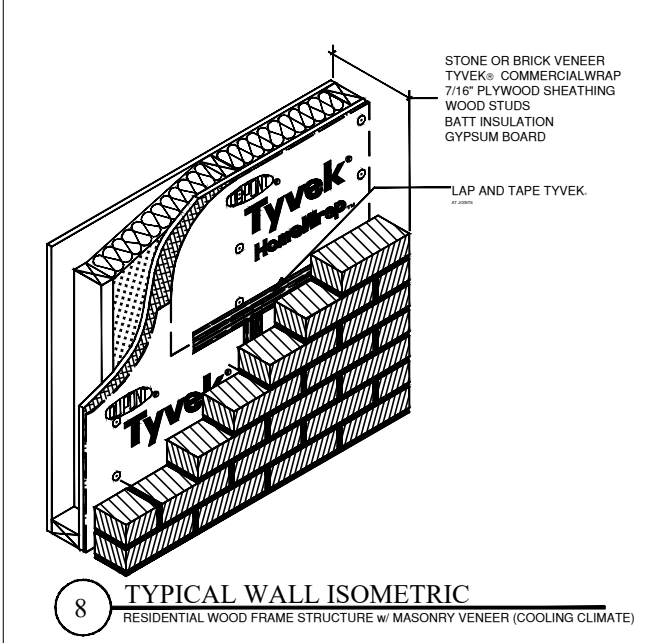
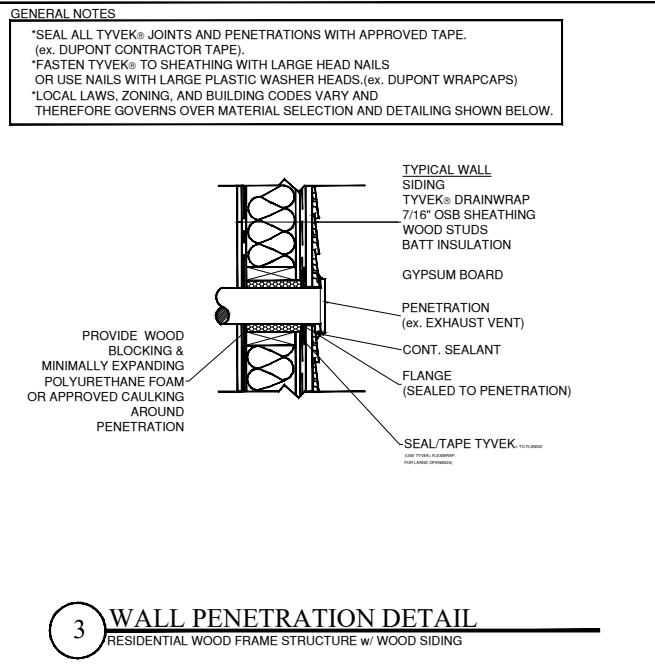
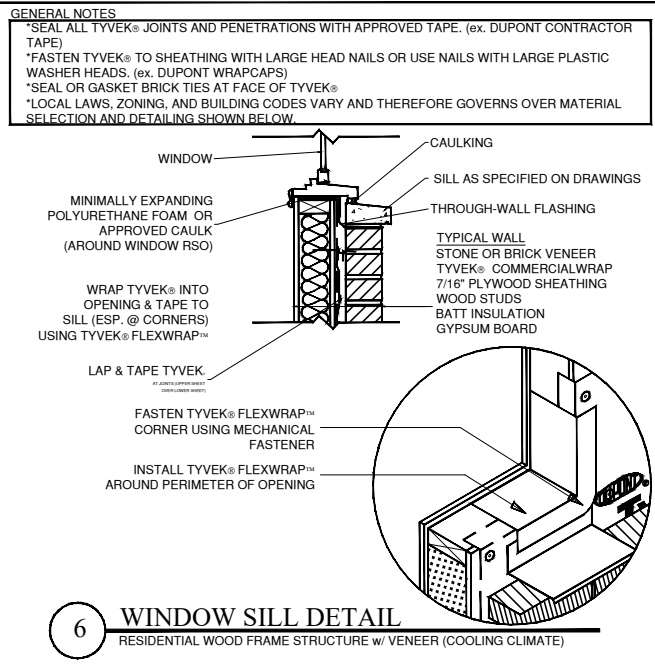
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1340

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9.6.24
SCALE:
AS SHOWN
REVIEWED BY:
Chuck

SHEET:
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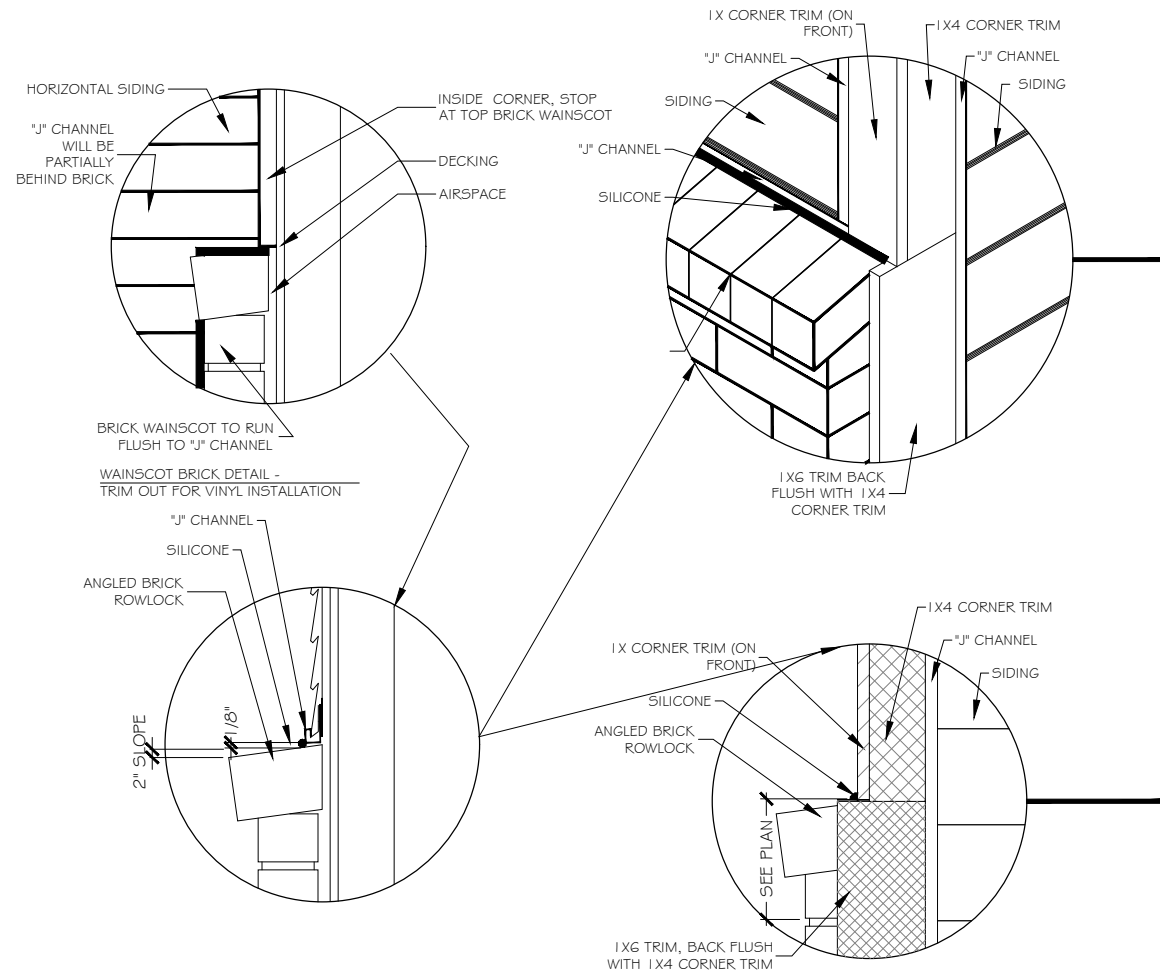
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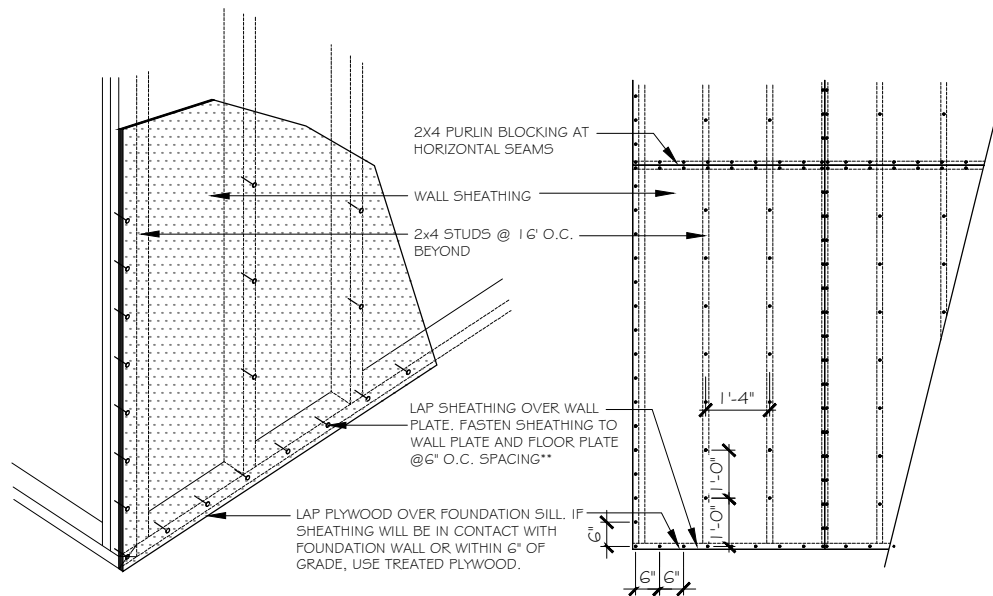
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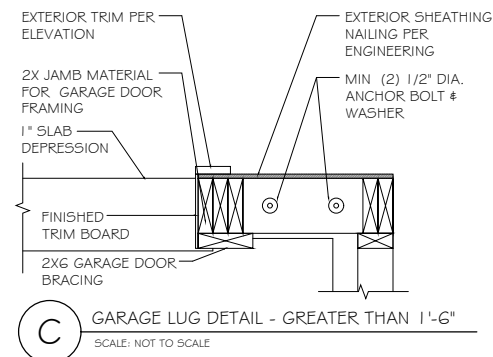
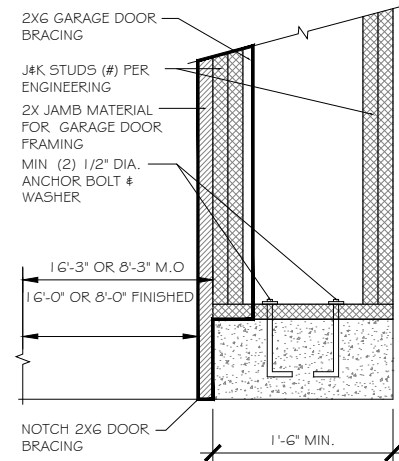


WAINSCOT BRICK DETAIL @ 1X WOOD CORNER CONDITION

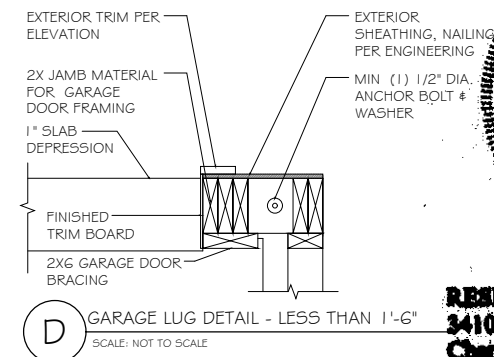
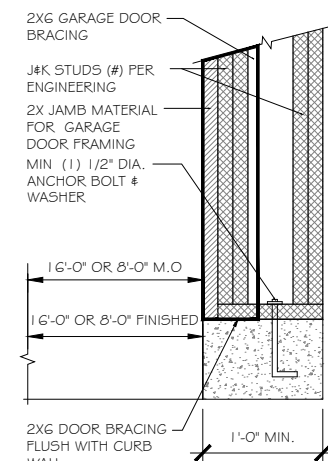
A FLASHING @ WAINSCOTING BRICK DETAIL
SCALE: 1/4" = 1'-0"



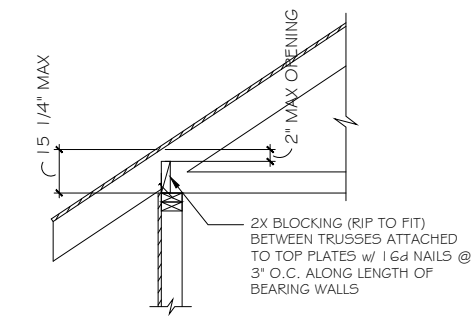
B TYP. NAILING PATTERN
SCALE: 1/4" = 1'-0"



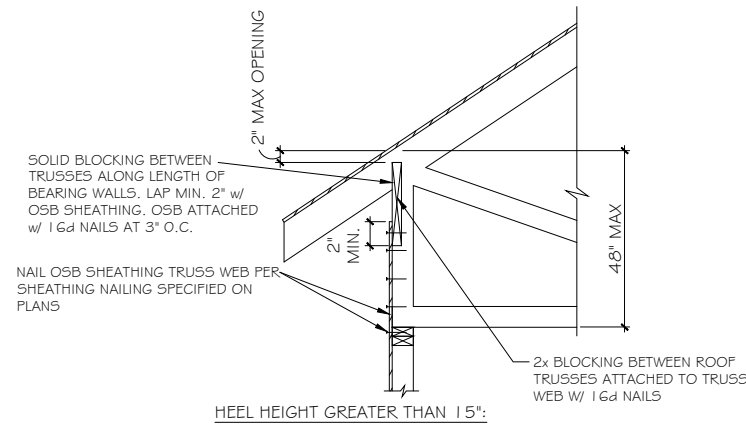
C GARAGE LUG DETAIL - GREATER THAN 1'-6"
SCALE: NOT TO SCALE



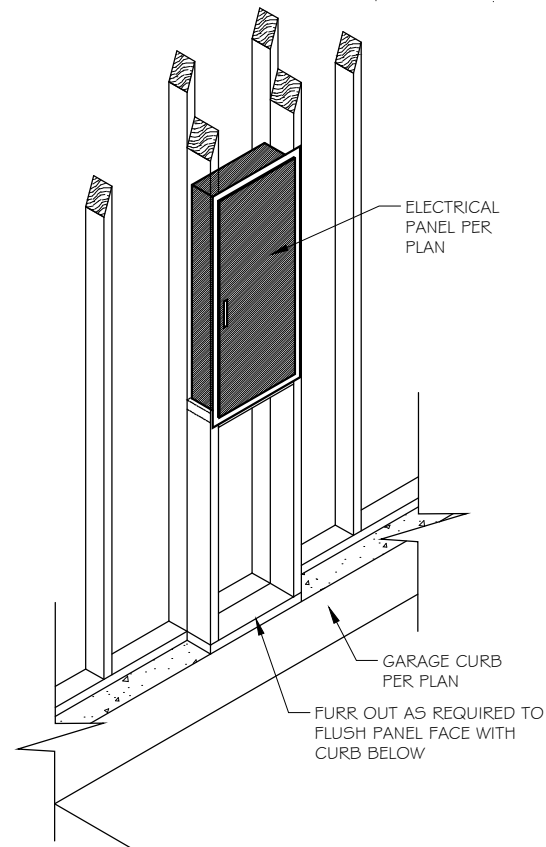
D GARAGE LUG DETAIL - LESS THAN 1'-6"
SCALE: NOT TO SCALE



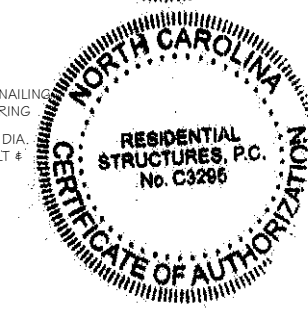
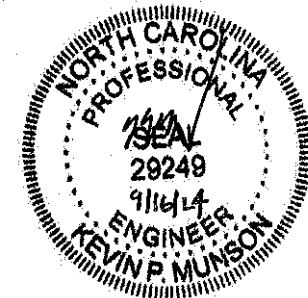
HEEL HEIGHT GREATER THAN 9 1/4" AND LESS THAN 15 1/4" :



E TRUSS BLOCKING REQUIREMENTS
N.T.S.



F ELECTRICAL PANEL REQUIREMENTS
N.T.S.



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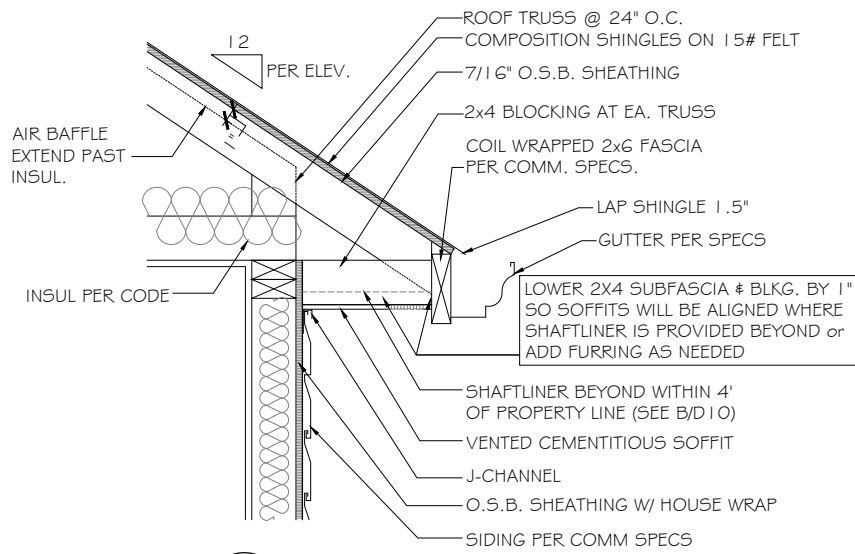
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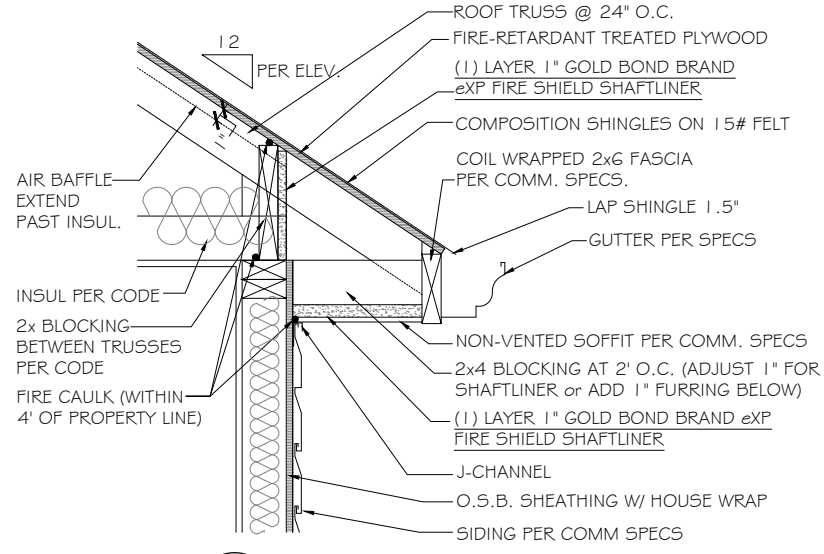
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SCALE:
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REVIEWED BY:
Chuck

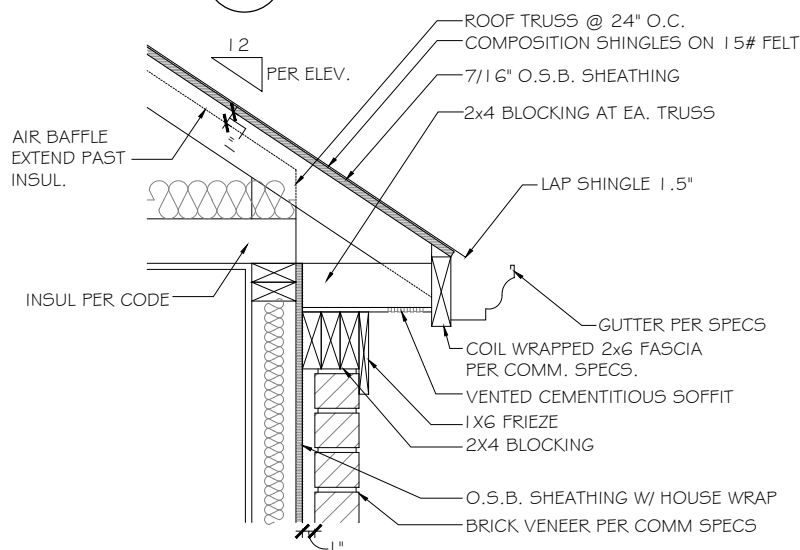
SHEET:
D7



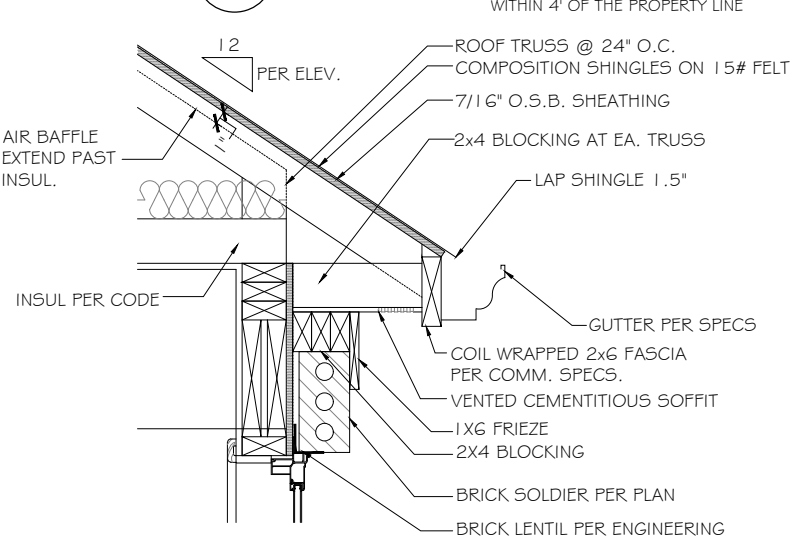
A CORNICE DETAIL
SCALE: NOT TO SCALE NON-RATED



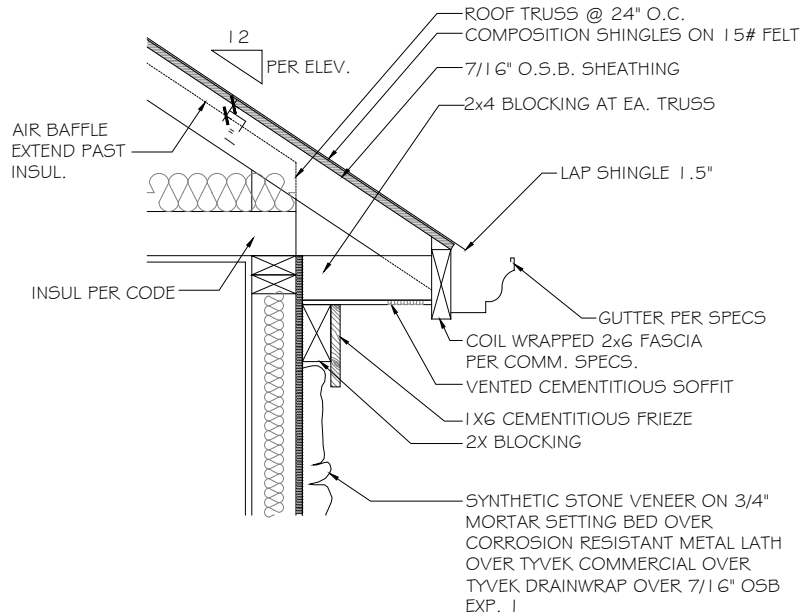
B CORNICE DETAIL
SCALE: NOT TO SCALE 1 HR. UNDERSIDE PROTECTION WITHIN 4' OF THE PROPERTY LINE



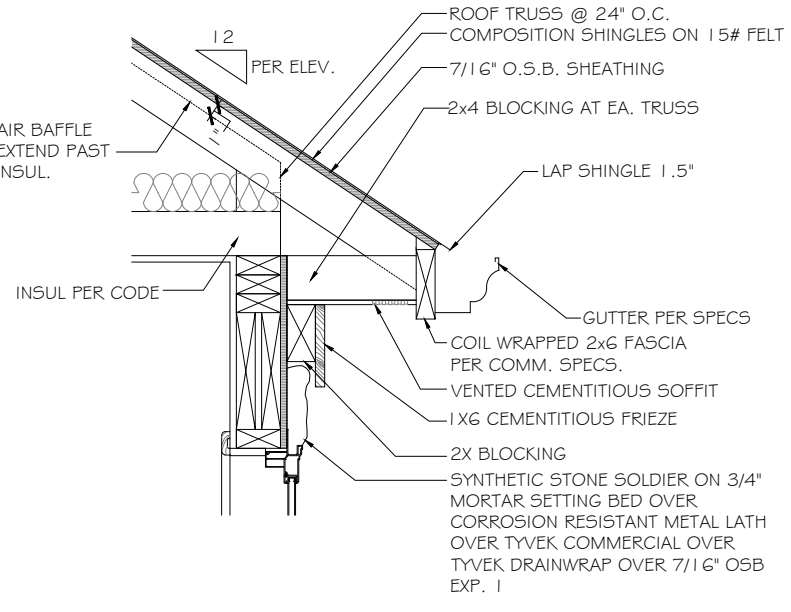
D BRICK CORNICE DETAIL
SCALE: NOT TO SCALE NON-RATED



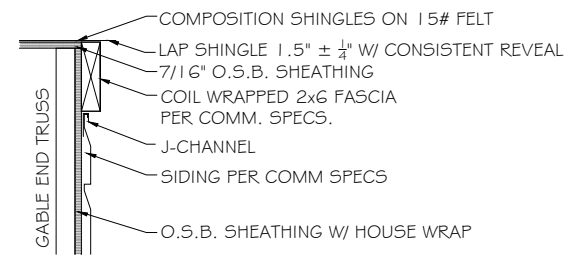
E BRICK CORNICE DETAIL
SCALE: NOT TO SCALE NON-RATED



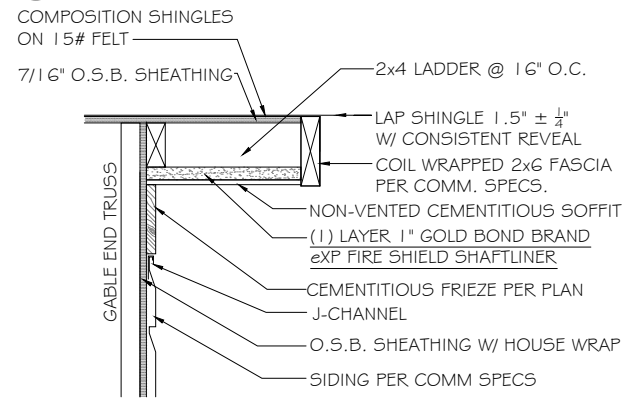
G STONE CORNICE DETAIL
SCALE: NOT TO SCALE NON-RATED



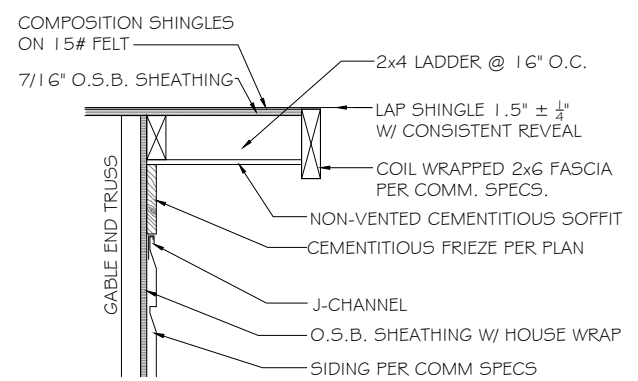
H STONE CORNICE DETAIL
SCALE: NOT TO SCALE NON-RATED



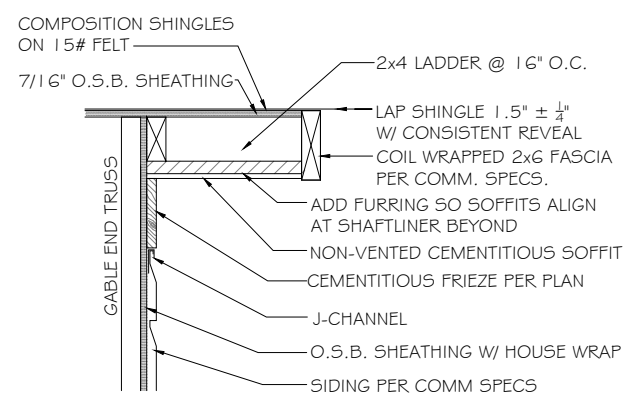
C FLUSH RAKE DETAIL
SCALE: NOT TO SCALE NON-RATED



F RAKE OVERHANG DETAIL
SCALE: NOT TO SCALE 1 HR. UNDERSIDE PROTECTION WITHIN 4' OF THE PROPERTY LINE



J RAKE OVERHANG DETAIL
SCALE: NOT TO SCALE NON-RATED



K RAKE OVERHANG DETAIL
SCALE: NOT TO SCALE NON-RATED

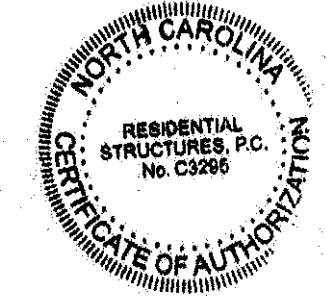
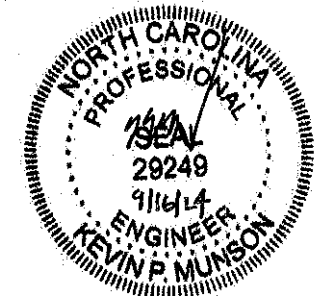
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SHEET: **D10**

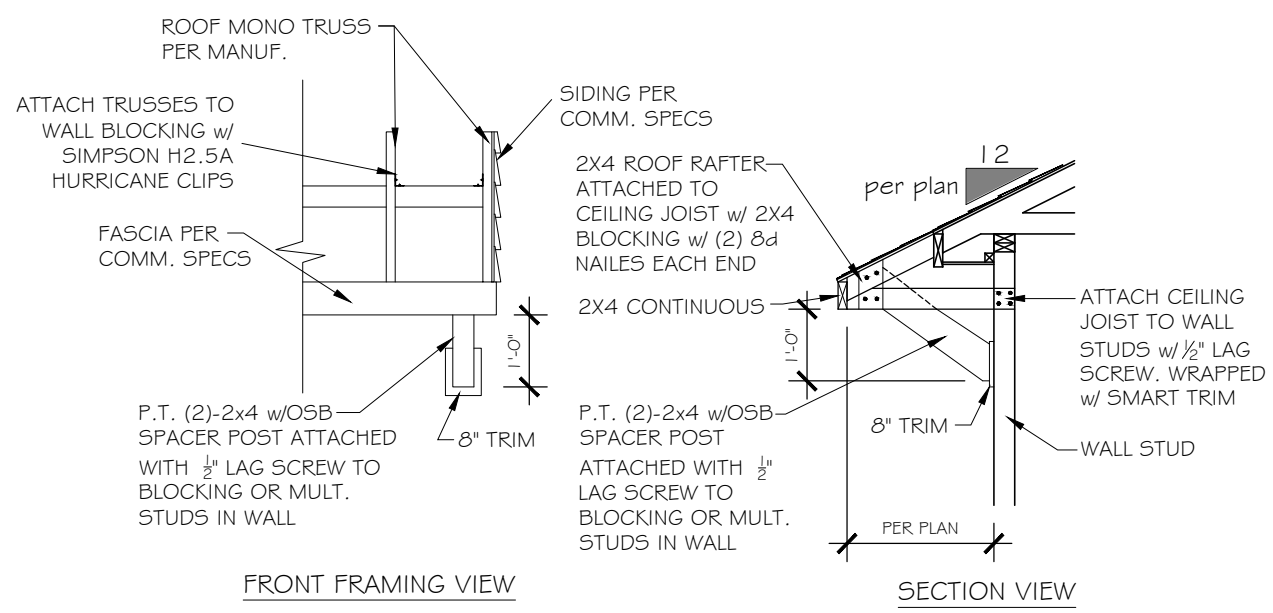


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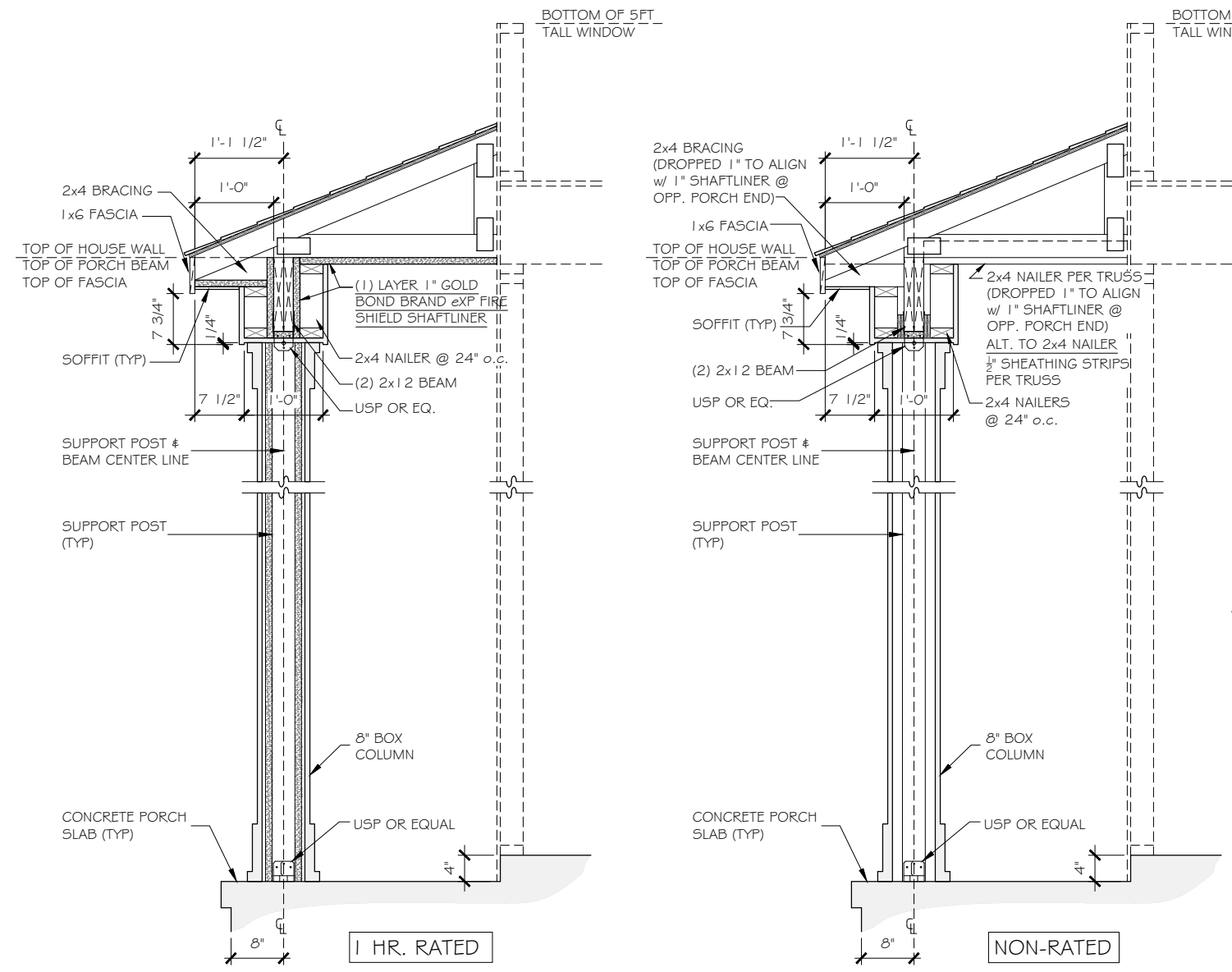
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 REVIEWED BY:
Chuck

SHEET:
D11



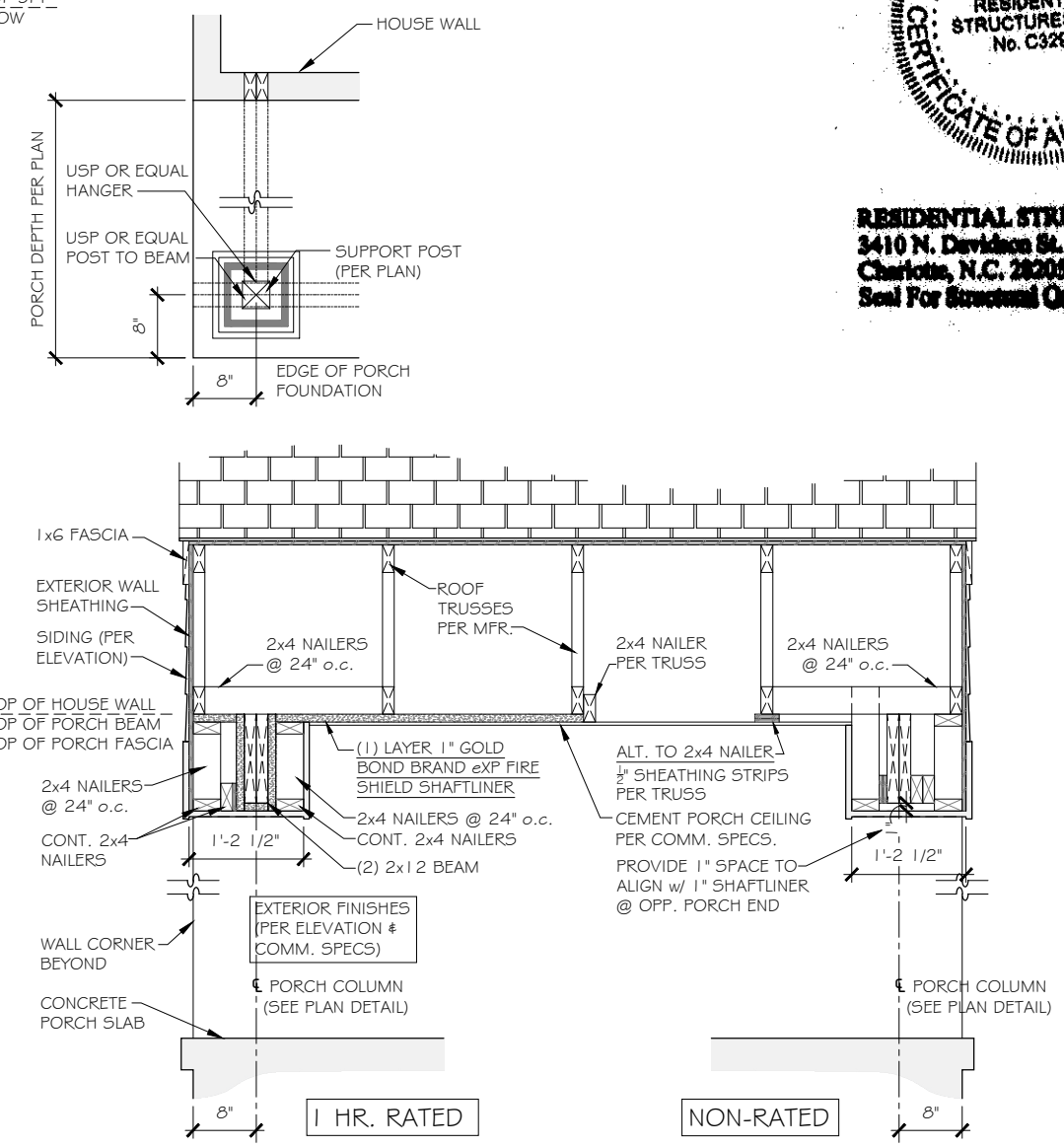
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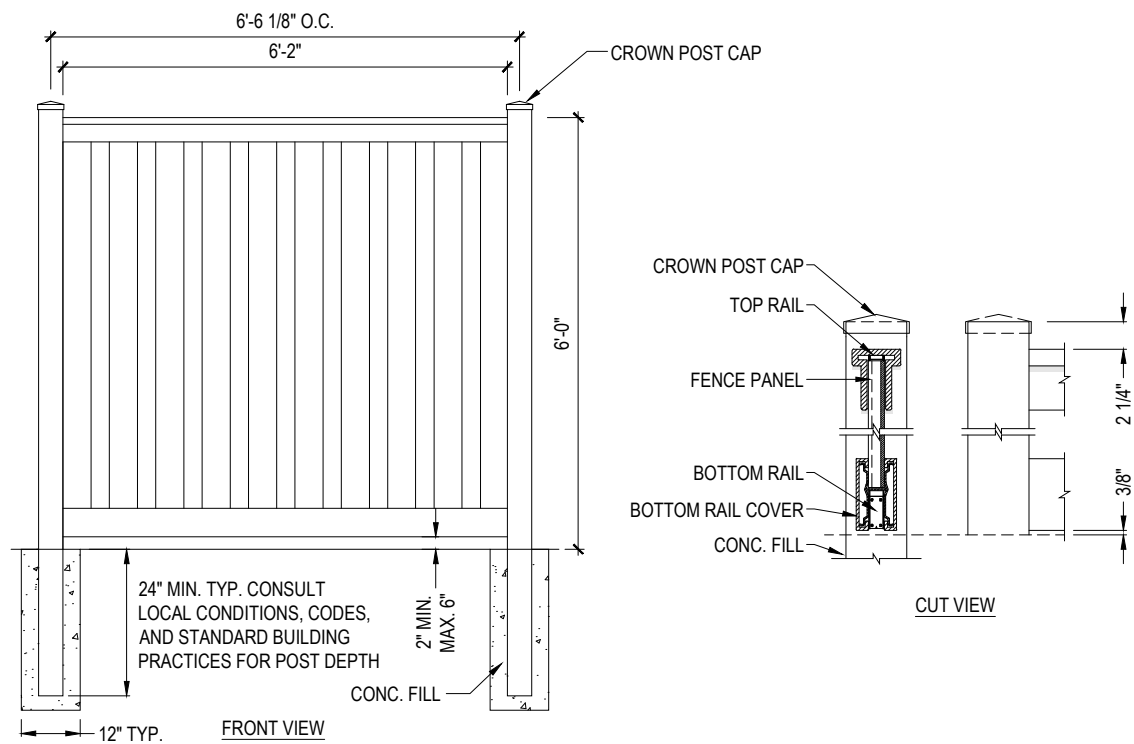
DECORATIVE EXTENDED EAVE OVERHANG DETAIL
 SCALE: 3/8" = 1'-0"



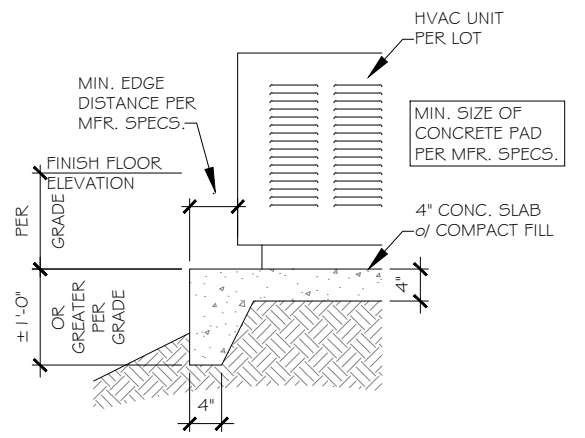
A

8" BOX COLUMN DETAIL
 SCALE: 1/2" = 1'-0"

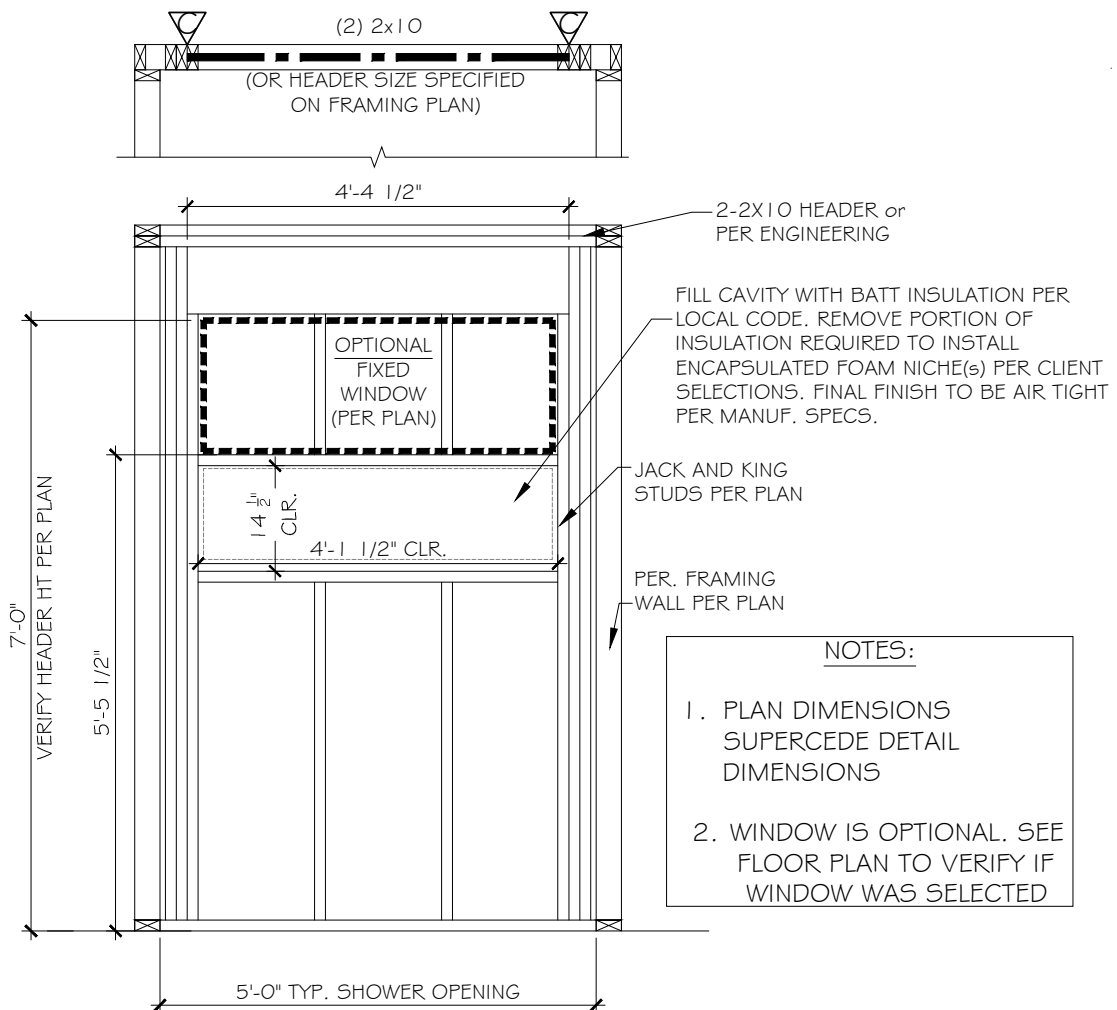




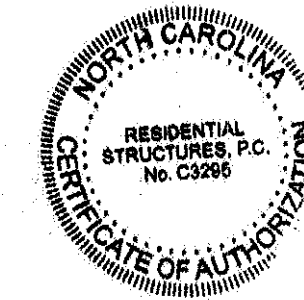
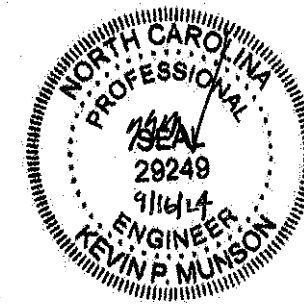
A TYP. PRIVACY FENCE DETAIL
NOT TO SCALE



B HVAC CONCRETE PAD DETAIL
NOT TO SCALE STEEP GRADE CONDITION



C TILE WALL NICHE DETAIL
SCALE: 3/8" = 1'-0"



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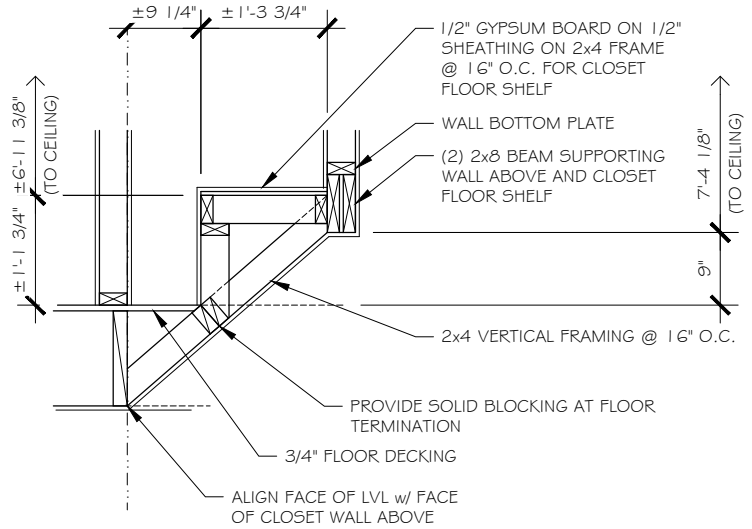
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SHEET:
D12

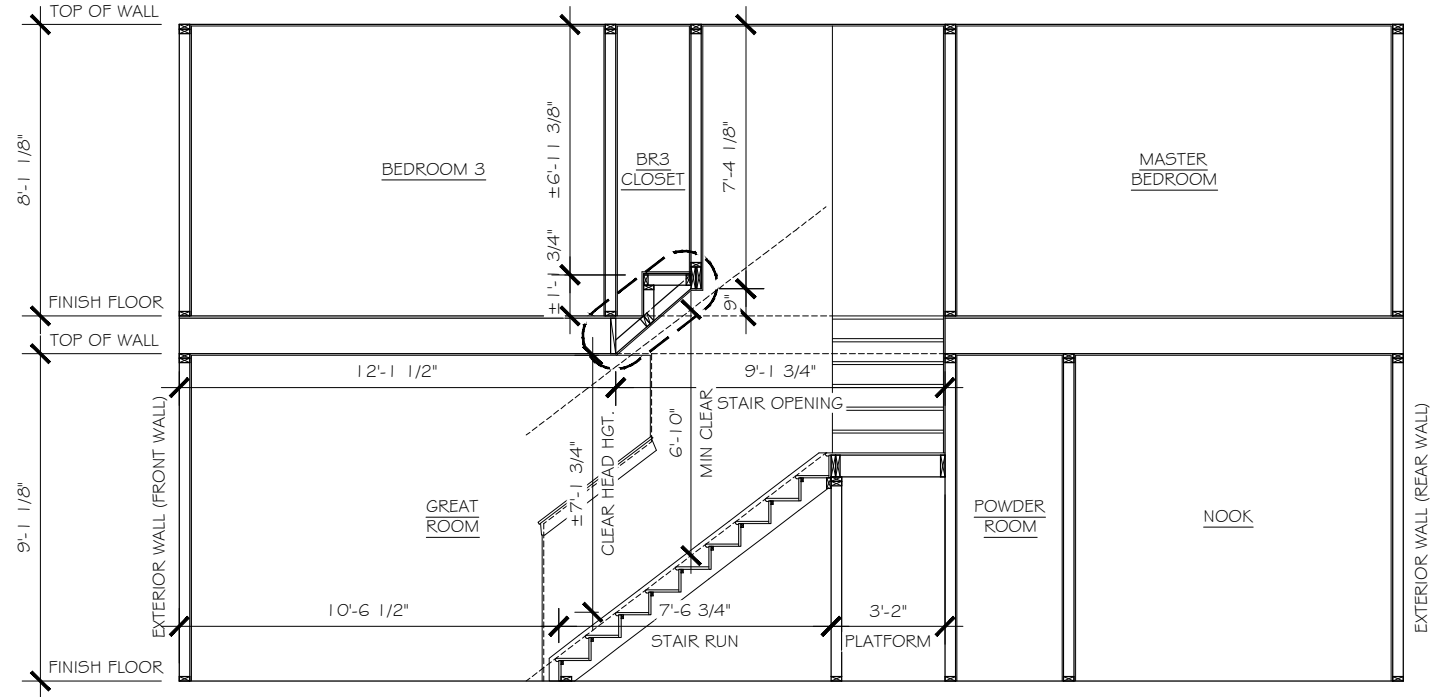
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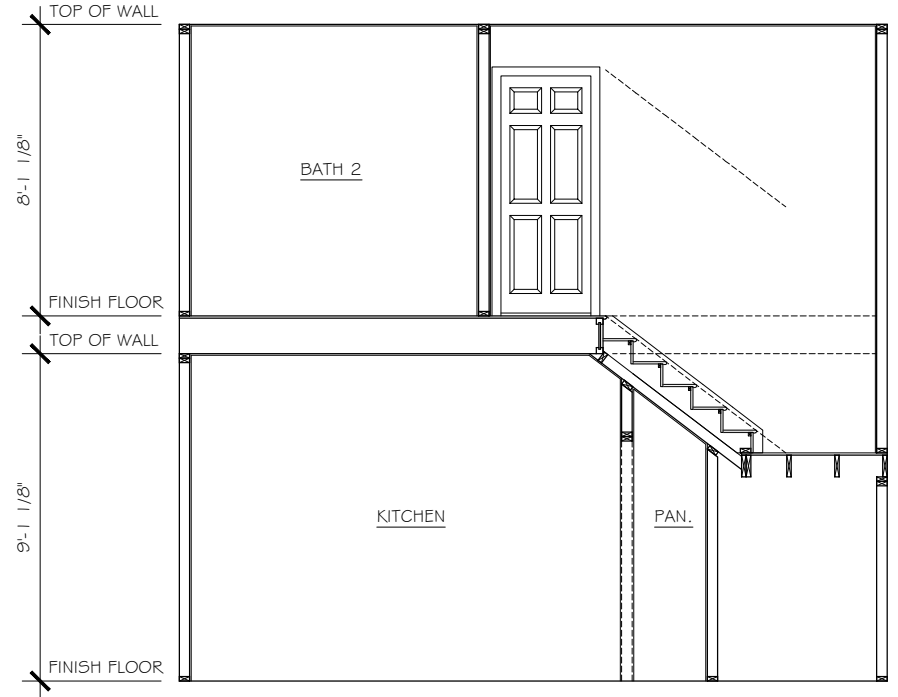
SHEET:
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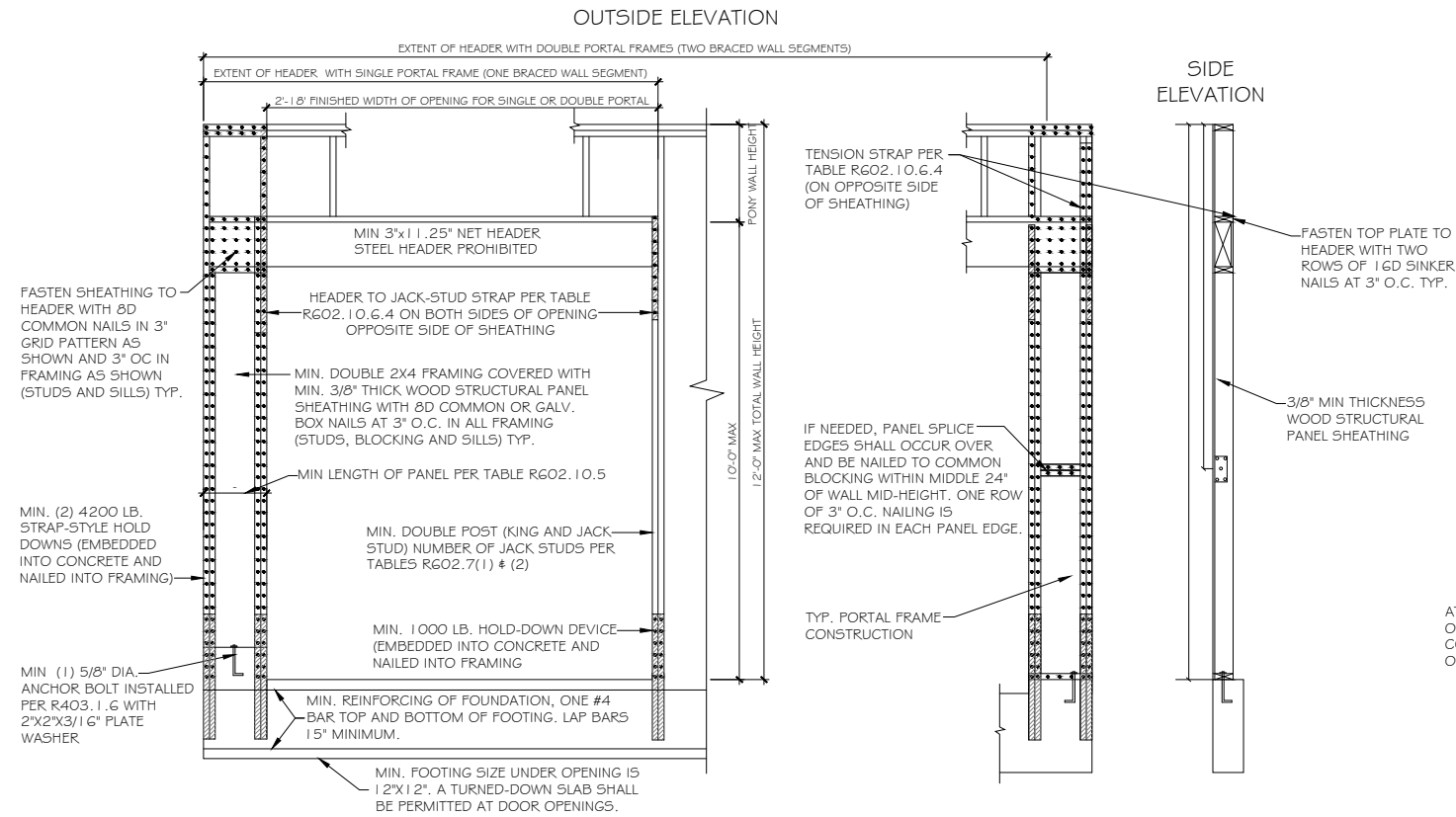
CLOSET FLOOR SHELF DETAIL



STAIR SECTIONS
 TWO-STORY UNITS



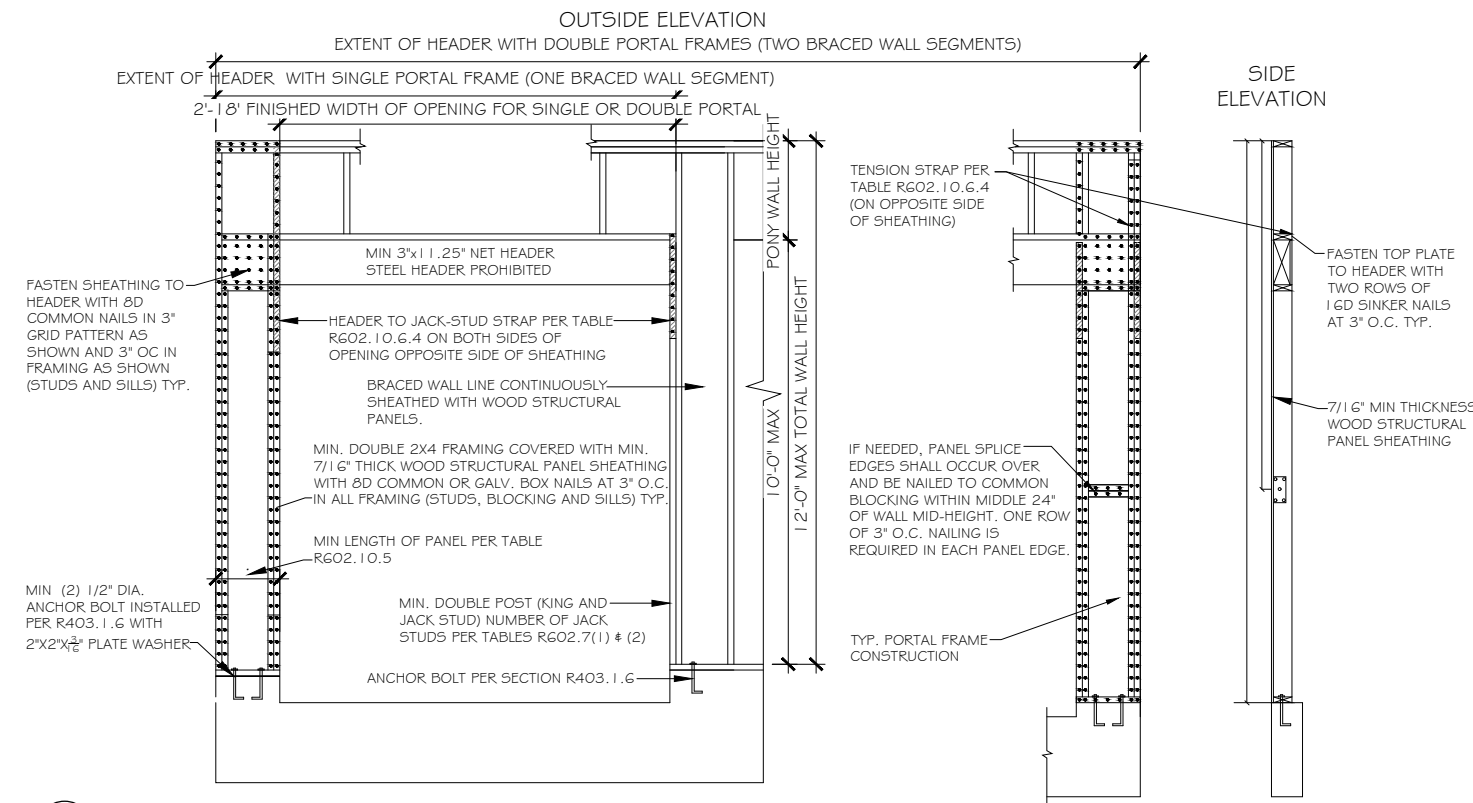
WALL BRACING HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2018 NCRC AND/OR THE 2021 IRC AS ALLOWED PER SECTION R602.10.



A PORTAL FRAME METHOD PFH DETAIL
 SCALE: 3/8" = 1'-0"

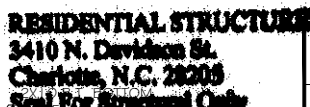
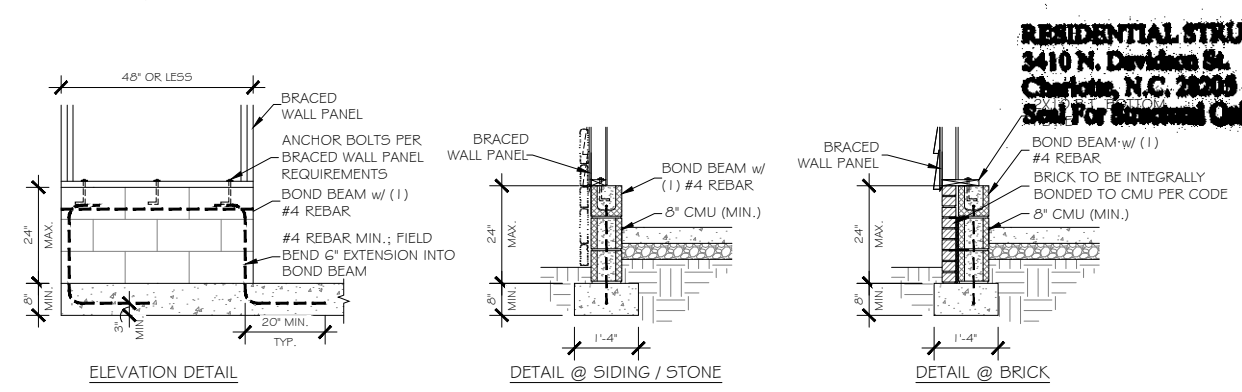
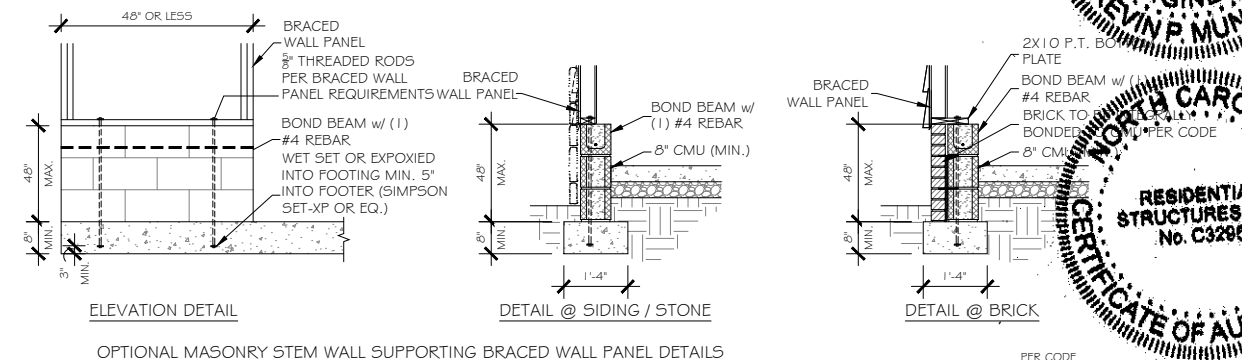
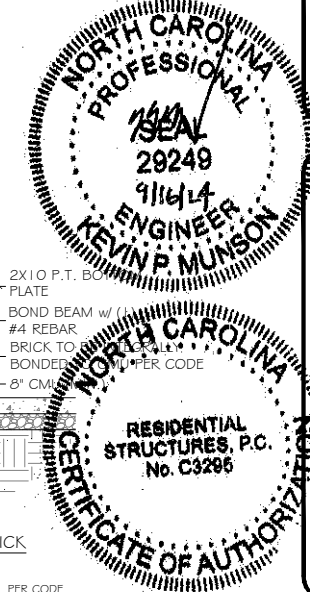
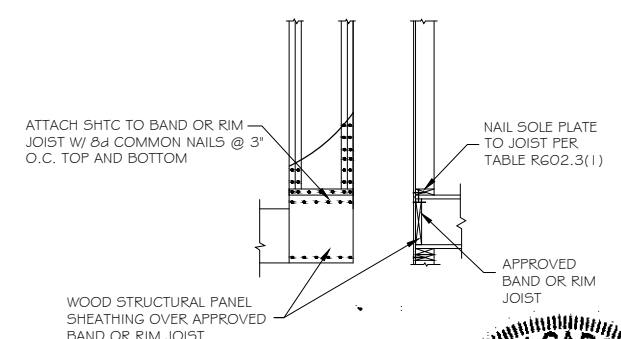
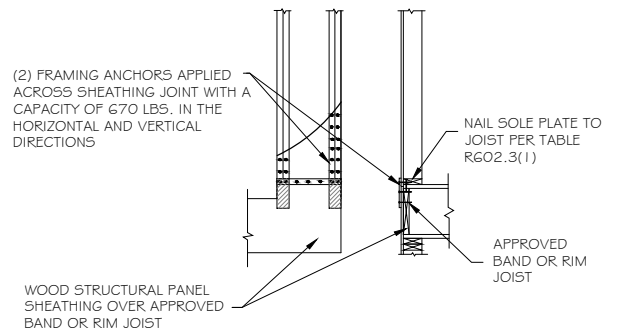
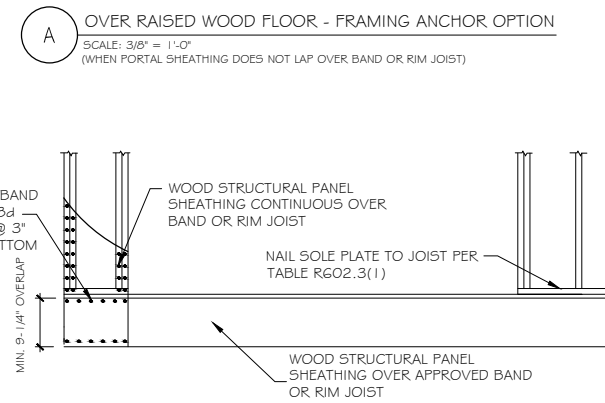
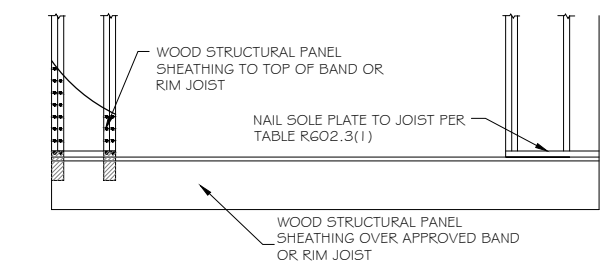
AS A SUBSTITUTE FOR THE USP STAD14 HOLD-DOWN STRAPS LOCATED ON EACH SIDE OF THE GARAGE DOOR OPENING, SIMPSON HDQ8-SD53 (OR USP PHD8) HOLD-DOWNS MAY BE INSTALLED. THE SIMPSON HDQ8-SD53 (USP PHD8) HOLD-DOWNS MAY BE INSTALLED WITH 7/8" THREADED ROD AND SHOULD BE EMBEDDED A MINIMUM OF 8" INTO THE CONCRETE FOOTING OR GROUTED CMU BLOCK WITH HIGH STRENGTH EPOXY. ADDITIONALLY, A 5/8" EXPANSION ANCHOR (6" MIN EMBEDMENT) OR 5/8"x6" SIMPSON TITEN HD ANCHOR MAY BE INSTALLED AS A REPLACEMENT FOR THE 5/8" "WET SET" ANCHOR BOLT SHOWN IN THE PORTAL FRAMING WITH HOLD-DOWNS DETAIL.

PFH METHOD: PORTAL FRAME WITH HOLD DOWNS GARAGE DOORS AND OPENINGS 6' TO 18'



A PORTAL FRAME METHOD CS-PF DETAIL
 SCALE: 3/8" = 1'-0"

CS-PF METHOD: CONTINUOUSLY SHEATHED PORTAL FRAME-GARAGE DOOR GARAGE DOORS AND OPENINGS 8' AND GREATER



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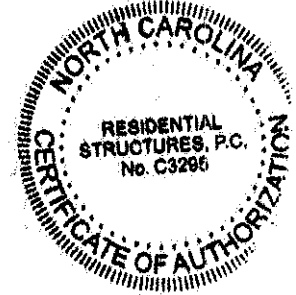
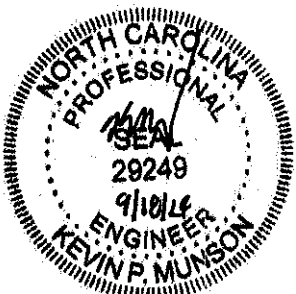
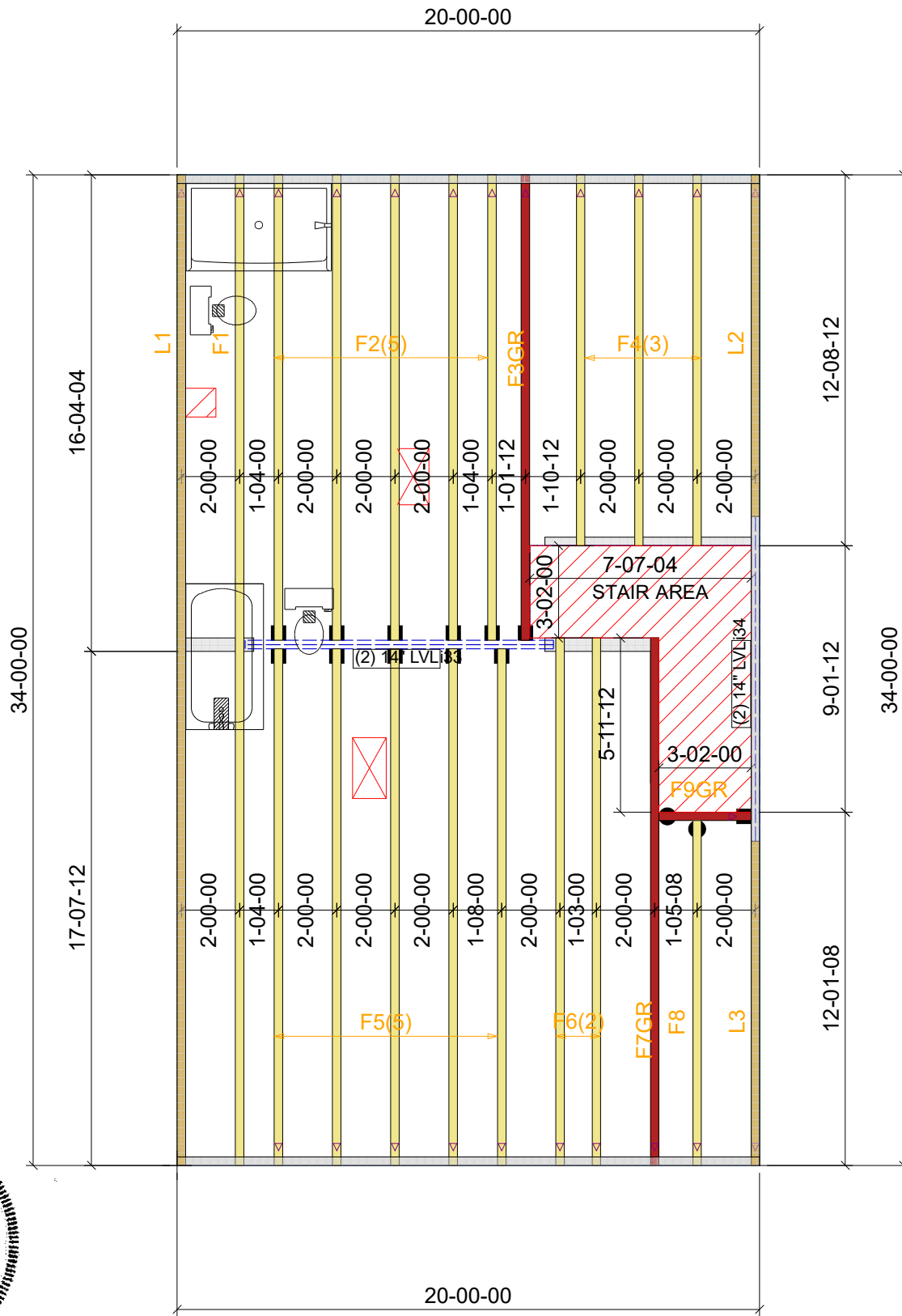
BUIES CREEK TOWNHOMES
DETAILS

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PREPARED BY: *Michael*
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SHEET: **D14**

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FLOOR TRUSS LAYOUT

SCALE: 3/16" = 1'-0"

Hangers	
●	02) MSH418
■	12) THD46
▲	##) #####
⊕	##) #####
⊗	##) #####
△	##) #####



THE BUILDING CENTER, INC.
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 FAX. (704) 824-2232

Client: **True Homes**

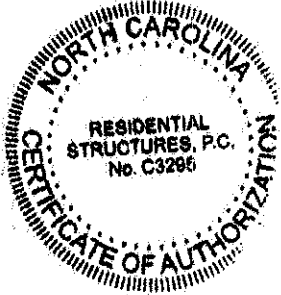
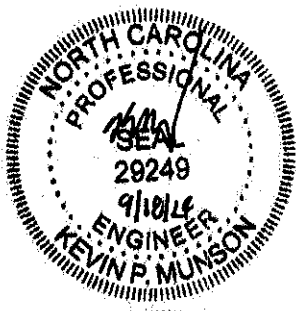
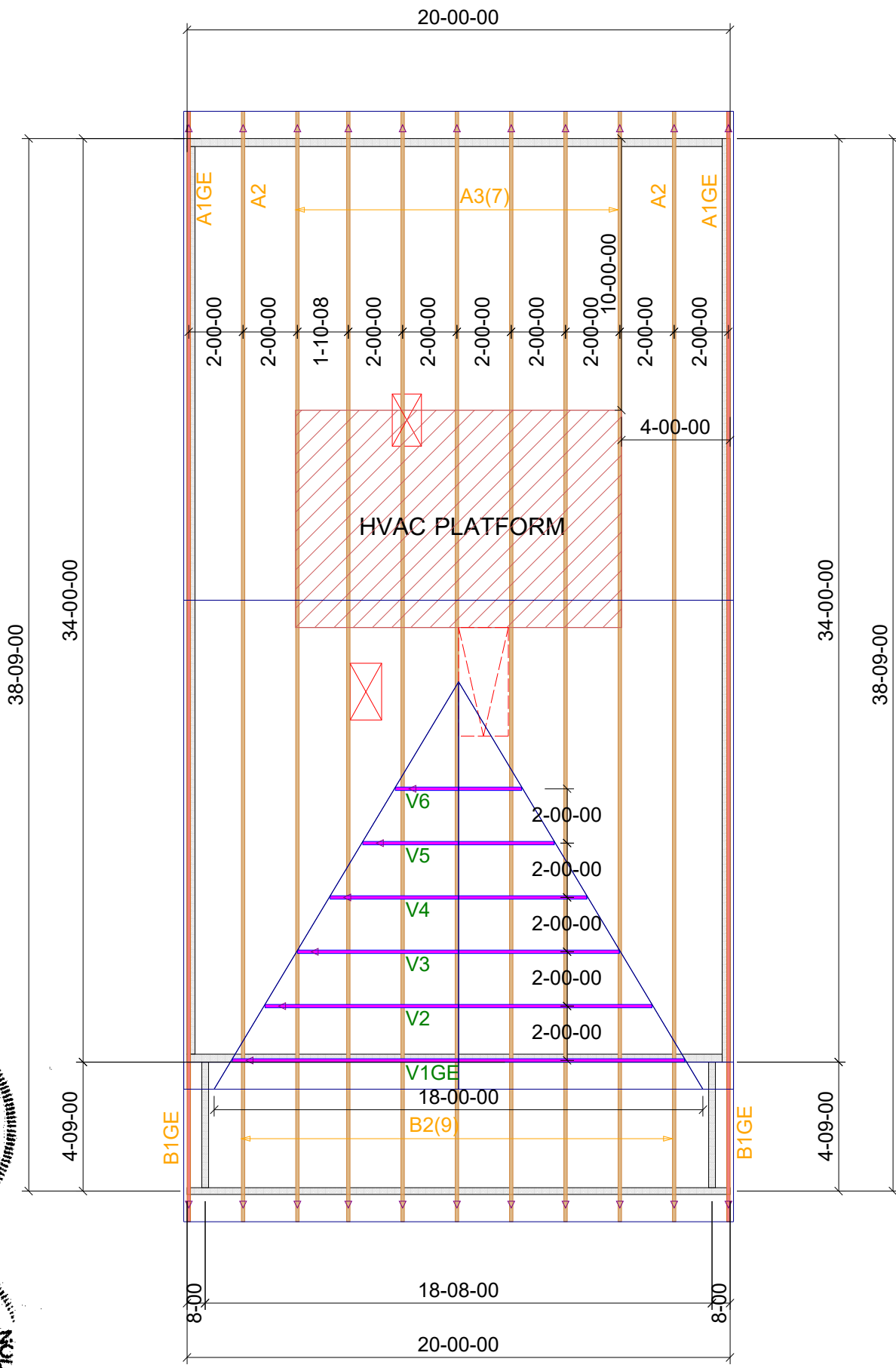
Notes:

Job Desc:	LUCAS TH - 1340	
Site Information:	Lot 17 - BCTH	
Salesman:	NA	Date: 09/13/2024
Drafter:	PG/LN	Job #: 24095457F

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult "Bracing of Wood Trusses" available from the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53179.

SHOP DRAWING APPROVAL
 THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

REVIEWED BY: _____ APPROVED BY: _____ DATE: _____



RESIDENTIAL STRUCTURES, P.C.
 3410 N. Davidson St.
 Charlotte, N.C. 28205
 Seal For Structural Only

ROOF TRUSS LAYOUT

SCALE: 3/16" = 1'

Hangers	
●	##) #####
■	##) #####
▲	##) #####
⊕	##) #####
⊗	##) #####
△	##) #####
	59) RT7A



THE BUILDING CENTER, INC.
 2591 Jenkins Dairy Rd
 PH. (704) 824-8182
 FAX. (704) 824-2232

Client: **True Homes**

Notes:

Job Desc:	LUCAS TH - 1340	
Site Information:	Lot 17 - BCTH	
Salesman:	NA	Date: 09/13/2024
Drafter:	PG/PM	Job #: 24095457

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REVIEWED BY: _____ APPROVED BY: _____ DATE: _____

North Carolina 2018 - R402.1.5 Total UA

Property

234 Camel Craziess Pl
Lillington, NC 27546
Model: 1340 Lucas A1_TH-EndUnit_3
Community: Buies Creek

Buies Creek 17
True_Buies Creek 17_1340 Lucas A1_TH-E

Organization

Performance Point, LLC.
Jeremy Price

Builder

True Homes

Inspection Status

Results are projected

This report is based on a proposed design and does not confirm field enforcement of design elements.

Building UA


Elements	NC Reference	As Designed
Ceilings	20.4	17.6
Above-Grade Walls	82.9	82.8
Windows, Doors and Skylights	68.2	60.5
Slab Floor:	36.8	36.8
Framed Floors	0.0	0.0
Foundation Walls	0.0	0.0
Rim Joists	5.1	5.0
Overall UA (Design must be equal or lower):	213.4	202.7

Requirements

✓	R402.1.5	Total UA alternative compliance passes by 5.0%.	The proposed home meets the UA requirement by 5.0%
✓	R402.3.2	Average SHGC: 0.30 Max SHGC: 0.30	Average SHGC of 0.30 is greater than the maximum of 0.30.
✓	R402.4.2.2	Air Leakage Testing	Air sealing is 5.00 ACH at 50 Pa. It must not exceed 5.00 ACH at 50 Pa.
✓	R402.5	Area-weighted average fenestration SHGC	Area-weighted average fenestration SHGC is 0.3. The maximum allowed value is [No Limit].
✓	R402.5	Area-weighted average fenestration U-Factor	
✓	R404.1	Lighting Equipment	At least 75.0% of fixtures shall be high-efficacy lamps, currently 75.0% are high-efficacy.
✓	Mandatory Checklist	Mandatory code requirements that are not checked by Ekotrope must be met.	2015 IECC Mandatory Checklist must be checked as complete.
✓	R403.3.1	Duct Insulation	Duct insulation meets the requirements specified in North Carolina 2018 Code Section 403.3.1.
✓	403.3.3	Duct Testing	

Design exceeds requirements for North Carolina 2018 Prescriptive compliance by 5%.

Name: Jeremy Price
Organization: Performance Point, LLC.

Signature: 
Digitally signed: 9/18/24 at 12:00 PM

Ekotrope RATER - Version 4.2.2.3482

North Carolina 2018 Prescriptive compliance results calculated using Ekotrope RATER's energy and code compliance algorithm, including appropriate amendments.

Ekotrope RATER is a RESNET Accredited HERS Rating Tool. All results are based on data entered by Ekotrope users.

Ekotrope disclaims all liability for the information shown on this report.

Energy Code Inspection Checklist

Property

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Lillington, NC 27546
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Inspection Status

Results are projected

General Building Information

Conditioned Area (sq ft)	1,360
Conditioned Volume (cubic ft)	12,523
Insulated Shell Area (sq ft)	3,349.1

The building energy model in Ekotrope reflects the building assemblies and energy features listed below. Sometimes energy features will change in the field from what has been modeled. The inspection process should identify any changes and ensure that the home continues to meet the applicable energy code.

Slab



Name: House Slab(680 s.f., 74 ft. exterior perimeter)
R-10 perimeter insulation, R-0 under slab insulation.

Framed Floor

None Present

Foundation Wall

None Present

Above Grade Wall



Name: 2x4 Ambient (1,241 s.f.)
R-0 continuous insulation, R-15 cavity insulation
Insulation Grade: I



Name: Niche (2 s.f.)
R-0 continuous insulation, R-0.5 cavity insulation
Insulation Grade: I



Name: 2x4 Kneewall (28.9 s.f.)
R-0 continuous insulation, R-15 cavity insulation
Insulation Grade: I

Energy Code Inspection Checklist

Property

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Buies Creek 17

True_Buies Creek 17_1340 Lucas A1_TH-E



Name: 2x4 Adiabatic (584.4 s.f.)
R-0 continuous insulation, R-11 cavity insulation
Insulation Grade: I

Rim Joist



Name: Ambient (66.4 s.f.)
R: 13.30



Name: Attic (24.6 s.f.)
R: 13.30



Name: Adiabatic (41.8 s.f.)
R: 13.30

Ceiling / Roof



Name: Ceiling 6:12 (680 s.f.)
R-28.5 continuous insulation, R-9.5 cavity insulation
Insulation Grade: I

Opaque Door



Name: Front Door (20 s.f.)
R: 7.00

Glazing



Name: Front (45 s.f.), U: 0.330, SHGC: 0.3, Orientation: WEST



Name: Front SHD (30 s.f.), U: 0.330, SHGC: 0.3, Orientation: WEST



Name: Back (30 s.f.), U: 0.330, SHGC: 0.3, Orientation: EAST



Name: Back -NOOK (12 s.f.), U: 0.330, SHGC: 0.3, Orientation: EAST

Energy Code Inspection Checklist

Property

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Jeremy Price

Inspection Status

Results are projected

Builder

True Homes

Buies Creek 17

True_Buies Creek 17_1340 Lucas A1_TH-E



Name: Back -Kitchen (10 s.f.), U: 0.330, SHGC: 0.3, Orientation: EAST



Name: Back Door (17.8 s.f.), U: 0.330, SHGC: 0.3, Orientation: EAST



Name: Left (30 s.f.), U: 0.330, SHGC: 0.3, Orientation: NORTH

Skylight

None Present

Mechanical Ventilation

None Present

Mechanical Equipment



Water Heater • Electric • 100% Hot Water Load @ 0.93 UEF



Heat Pump / All • Electric • 100% Heating Load @ 8.2 HSPF, 100% Cooling Load @ 14 SEER

Air Leakage Control



Test Status: Blower-door tested
House is air-sealed as to achieve 1,044 CFM50 (5.00 ACH50) or less at final blower-door test.

Infiltration Requirements for IECC in Climate Zone 4

2009 IECC Infiltration limit for the design home is 7 ACH50.

2012 IECC Infiltration limit for the design home is 3 ACH50.

2015 IECC Infiltration limit for the design home is 3 ACH50.

2018 IECC Infiltration limit for the design home is 3 ACH50.

2021 IECC Infiltration limit for the design home is 5 ACH50.

Note: Under IECC 2021, this home is considered to be in Climate Zone 3

Energy Code Inspection Checklist

Property

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Duct Leakage

Duct System 1

NOT entirely within conditioned space, testing required

Leakage to Outside specified as: 4 CFM25 / 100 ft²

Total Leakage specified as: 4 CFM25 / 100 ft² (Post-Construction)

Duct Leakage Code Requirements for IECC

2009 IECC:

Postconstruction Leakage Test: Duct Leakage to Outdoors \leq 8 CFM25 / 100 sq ft CFA.

Rough in Test with AHU: Total Duct Leakage \leq 6 CFM25 / 100 sq ft CFA.

Rough in Test without AHU: Total Duct Leakage \leq 4 CFM25 / 100 sq ft CFA.

2012 IECC Mandatory, 2015, 2018, & 2021 IECC Prescriptive Paths:

Postconstruction Leakage Test: Total Duct Leakage \leq 4 CFM25 / 100 sq ft CFA.

Rough in Test with AHU: Total Duct Leakage \leq 4 CFM25 / 100 sq ft CFA.

Rough in Test without AHU: Total Duct Leakage \leq 3 CFM25 / 100 sq ft CFA.

* Note: IECC 2021 requires Total Duct Leakage \leq 8 CFM25 / 100 sq ft CFA when all ducts and air handlers are within the building thermal envelope.

2015 and 2018 IECC Performance Paths (Cost Compliance):

Leakage testing is required UNLESS all ducts and air handlers are located entirely within the thermal envelope.

There is no pass/fail threshold for duct leakage on the performance path.

Project Notes

MiC_09/17/2024_Performance Report
Used Worst Orientation (W)
SC_9/18/2024_QC

True_1340 Lucas A1_TH-EndUnit_3

Energy Specifications Label

234 Camel Craziess Pl

Model: 1340 Lucas A1_TH-EndUnit_3

Ekotrope RATER - Version: 4.2.2.3482

Building Envelope Specs

Ceiling: R-38

Above Grade Walls: R-15

Foundation Walls: N/A

Exposed Floor: N/A

Slab: R-10

Infiltration: 5 ACH50

Duct Insulation: Supply: R8, Return: R8

Duct Lkg to Outdoors: 4 CFM25 / 100 ft²

Window & Door Specs

U-Value: 0.33, SHGC: 0.3

Door: R-7

Mechanical Equipment Specs

Heating: Air Source Heat Pump • Electric • 8.2 HSPF

Cooling: Air Source Heat Pump • Electric • 14 SEER

Hot Water: Residential Water Heater • Electric • 0.93 UEF

Average Mechanical Ventilation: 0 CFM

Builder or Design Professional

Signature: _____

Builder Affidavit

Property

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Jeremy Price

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Important Notice to Builder

Builder affirms in this affidavit that all building characteristics described in the Building Summary Report accurately reflect this New Home. Builder agrees to allow the Home Energy Rating System (HERS) Provider and/or Rater to verify building characteristics of this New Home fully at the HERS Rater/Provider's discretion. The HERS Provider and Rater do not create or imply any duty or obligations to Builder or any subsequent owner. Builder is responsible for taking any actions necessary to protect Builder's interest. There is no guarantee or warranty whatsoever expressed or implied from the HERS Provider or Rater.

HERS® Index Score:76

Builder Name: True Homes

Builder Signature: _____

Name: Jeremy Price
Organization: Performance Point, LLC.

Signature: 
Digitally signed: 9/18/24 at 12:00 PM