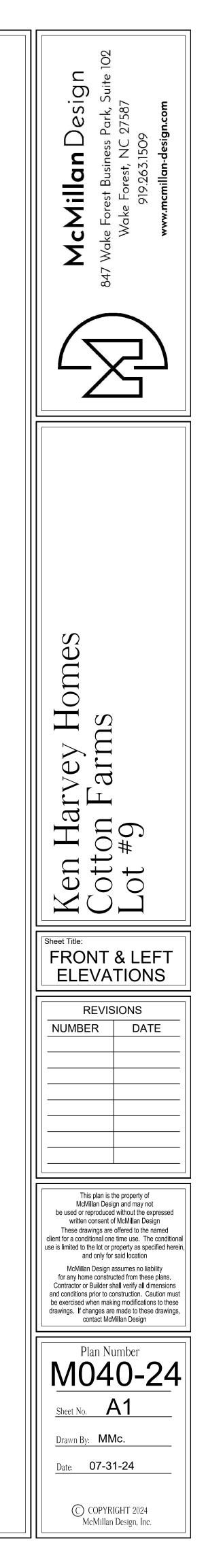


LEFT ELEVATION Scale:1/4"=1'

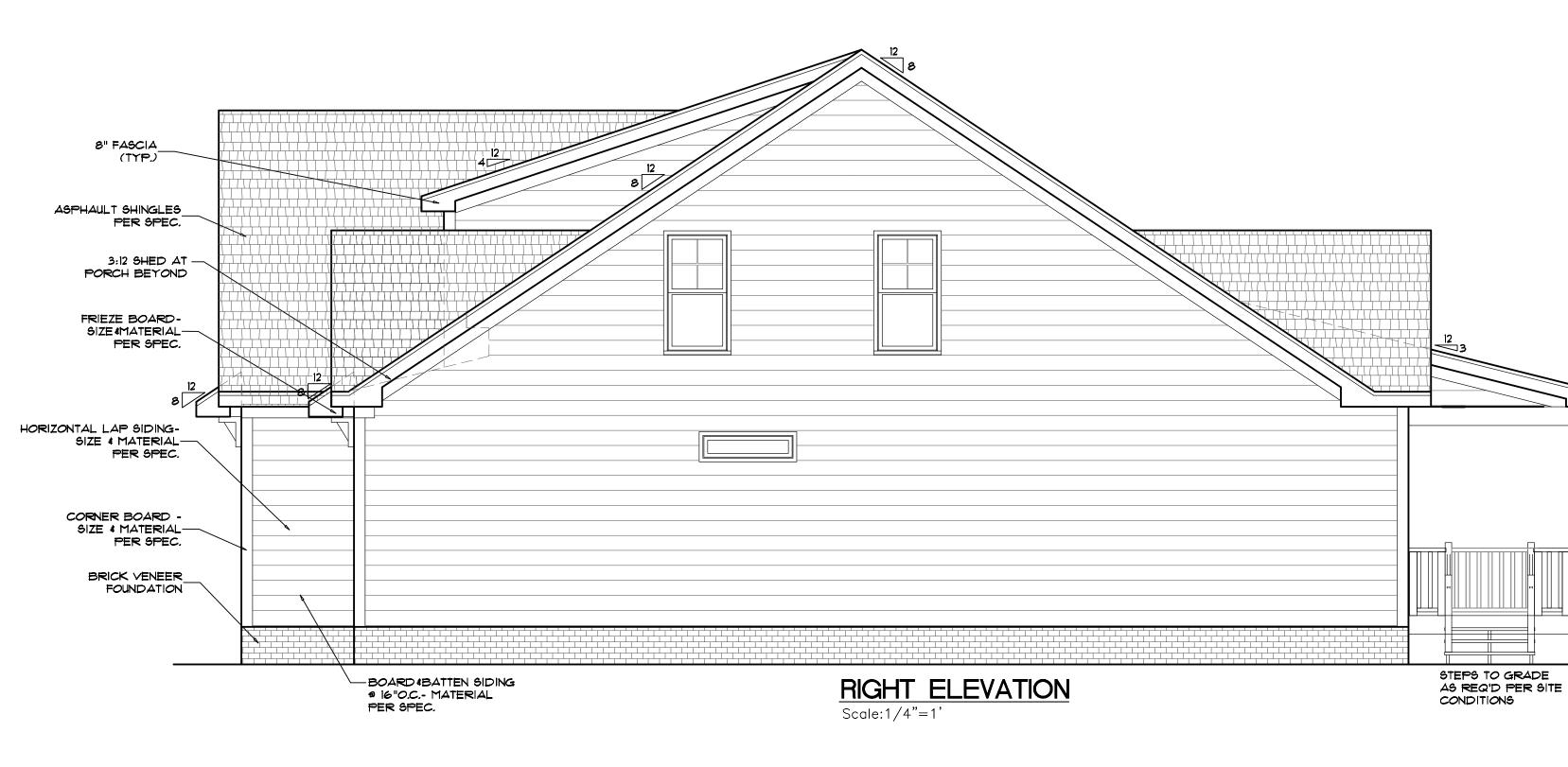
__8" FASCIA (TYP.)

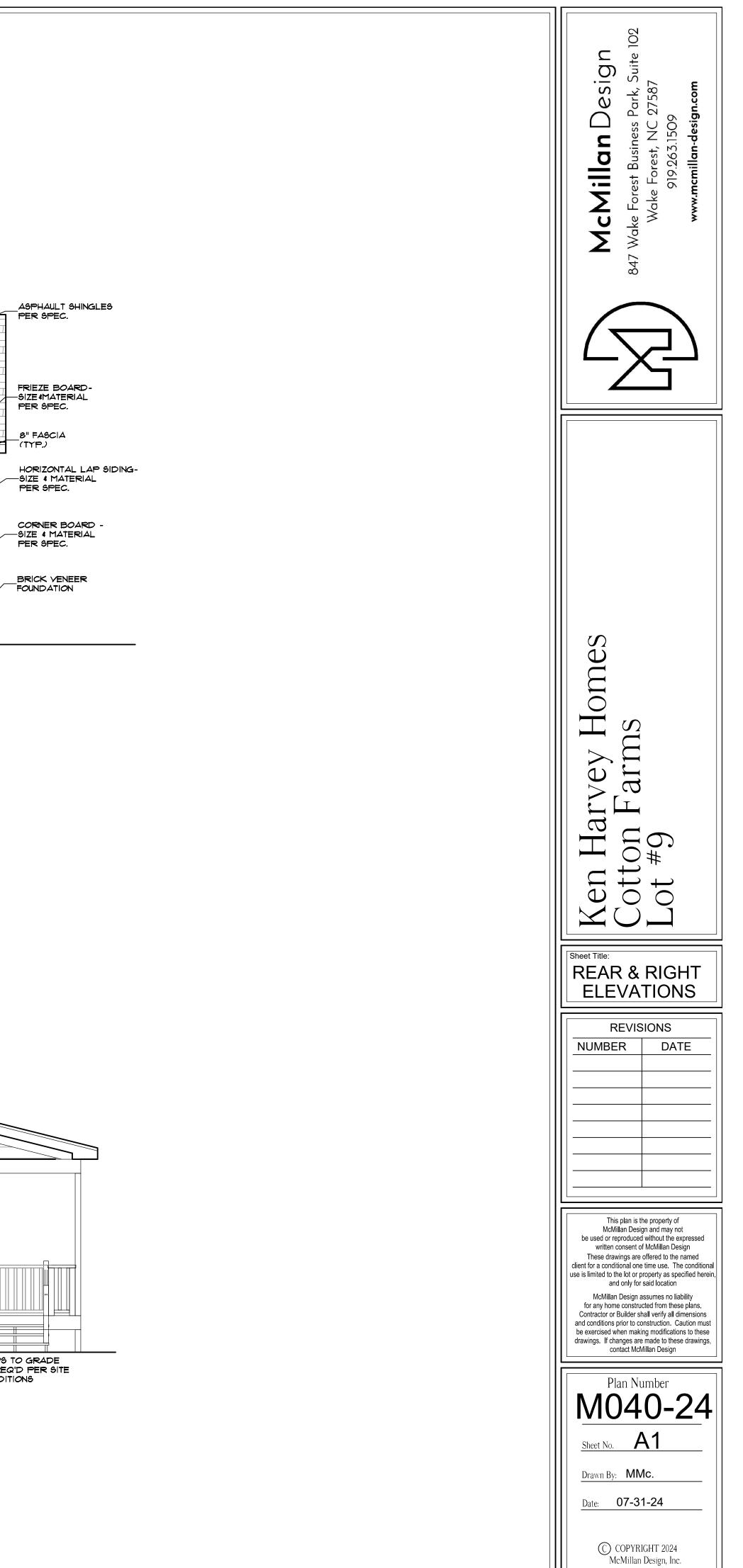
CORNER BOARD -—Size & Material Per Spec.

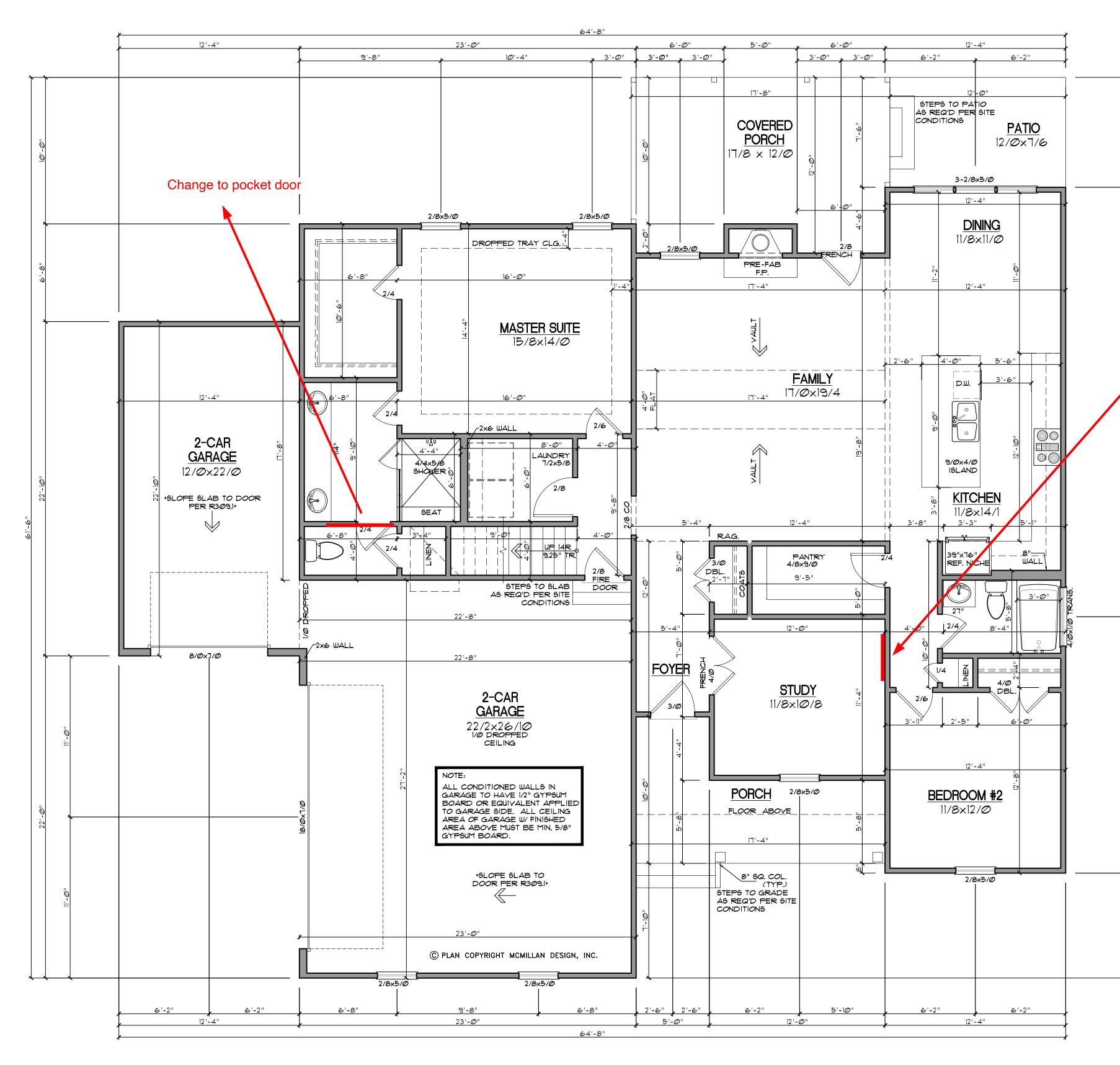
BRICK VENEER FOUNDATION

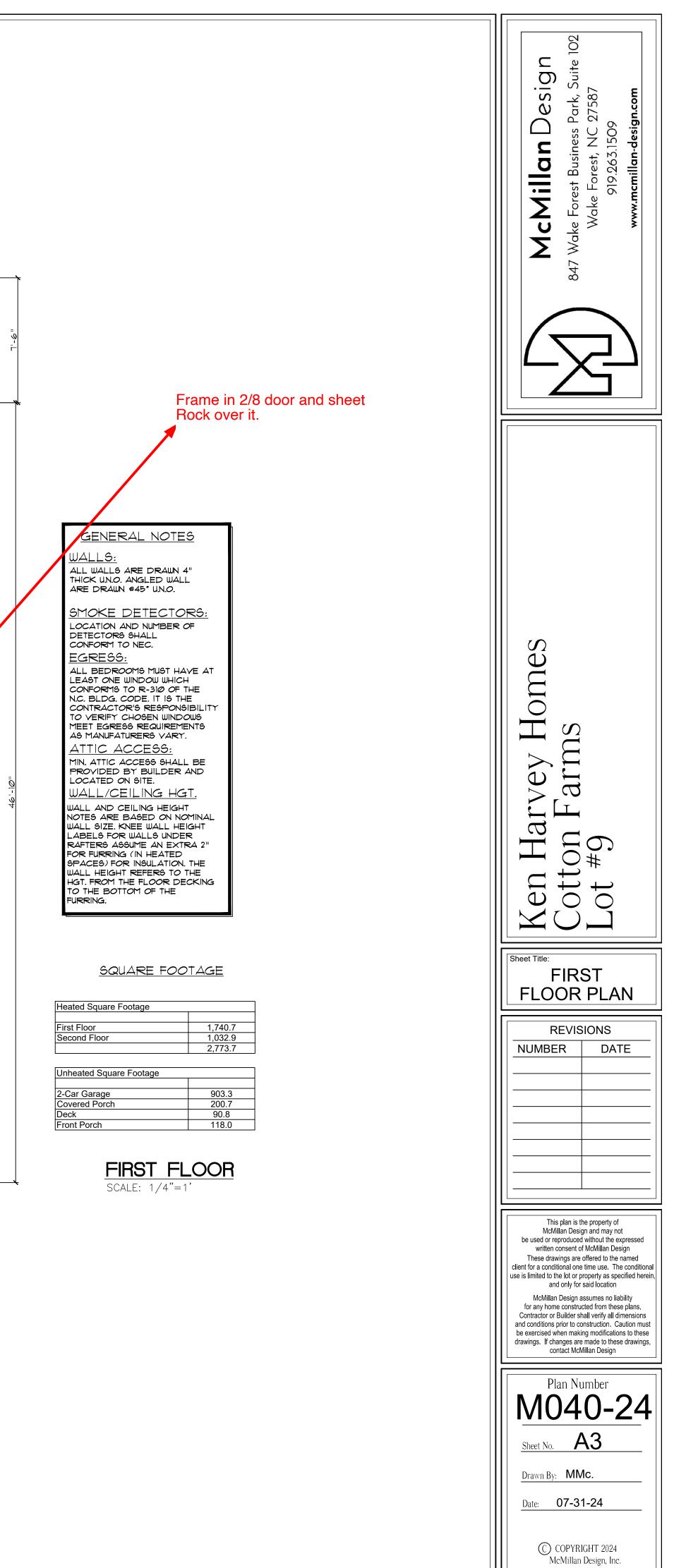




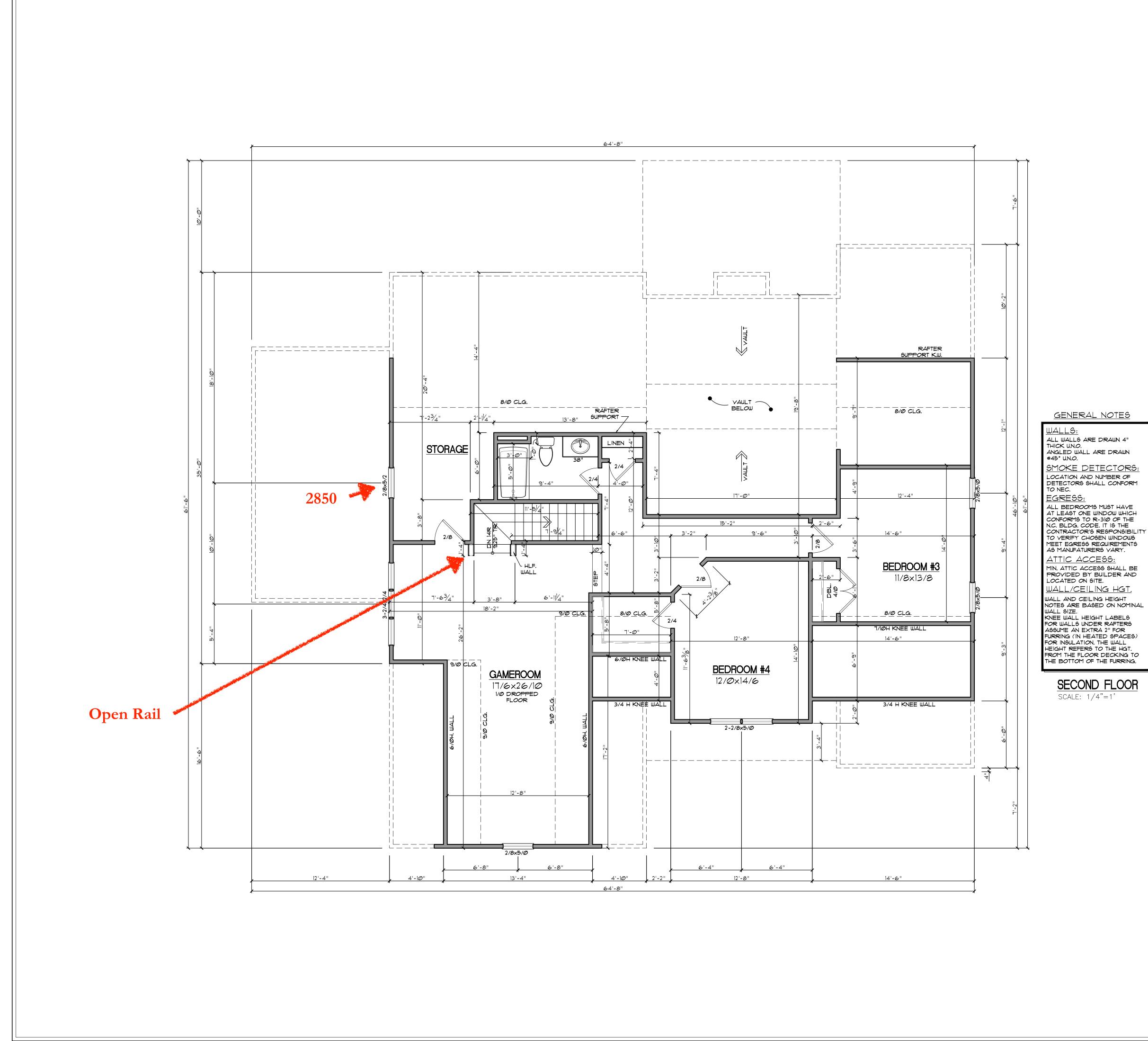






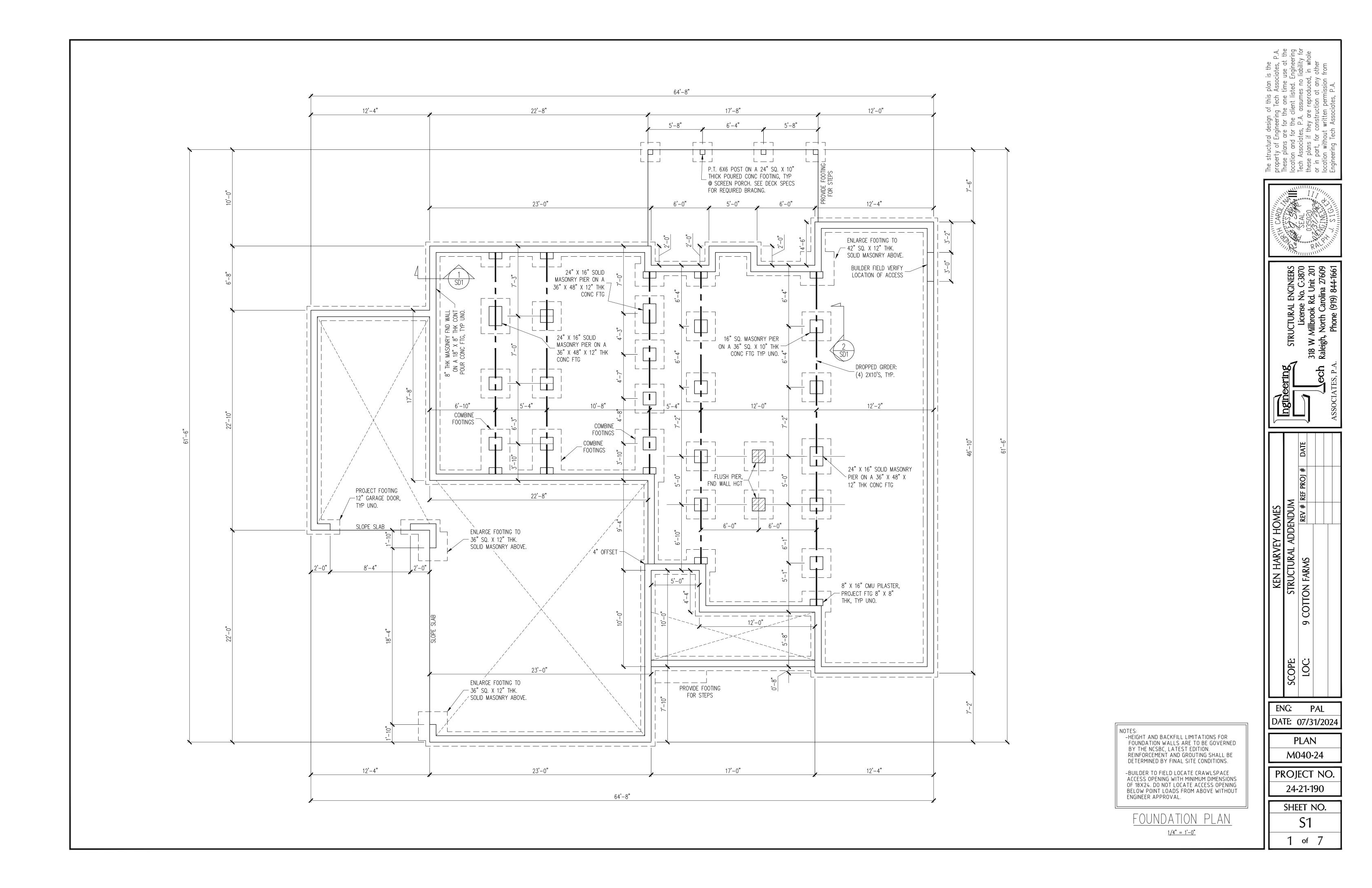


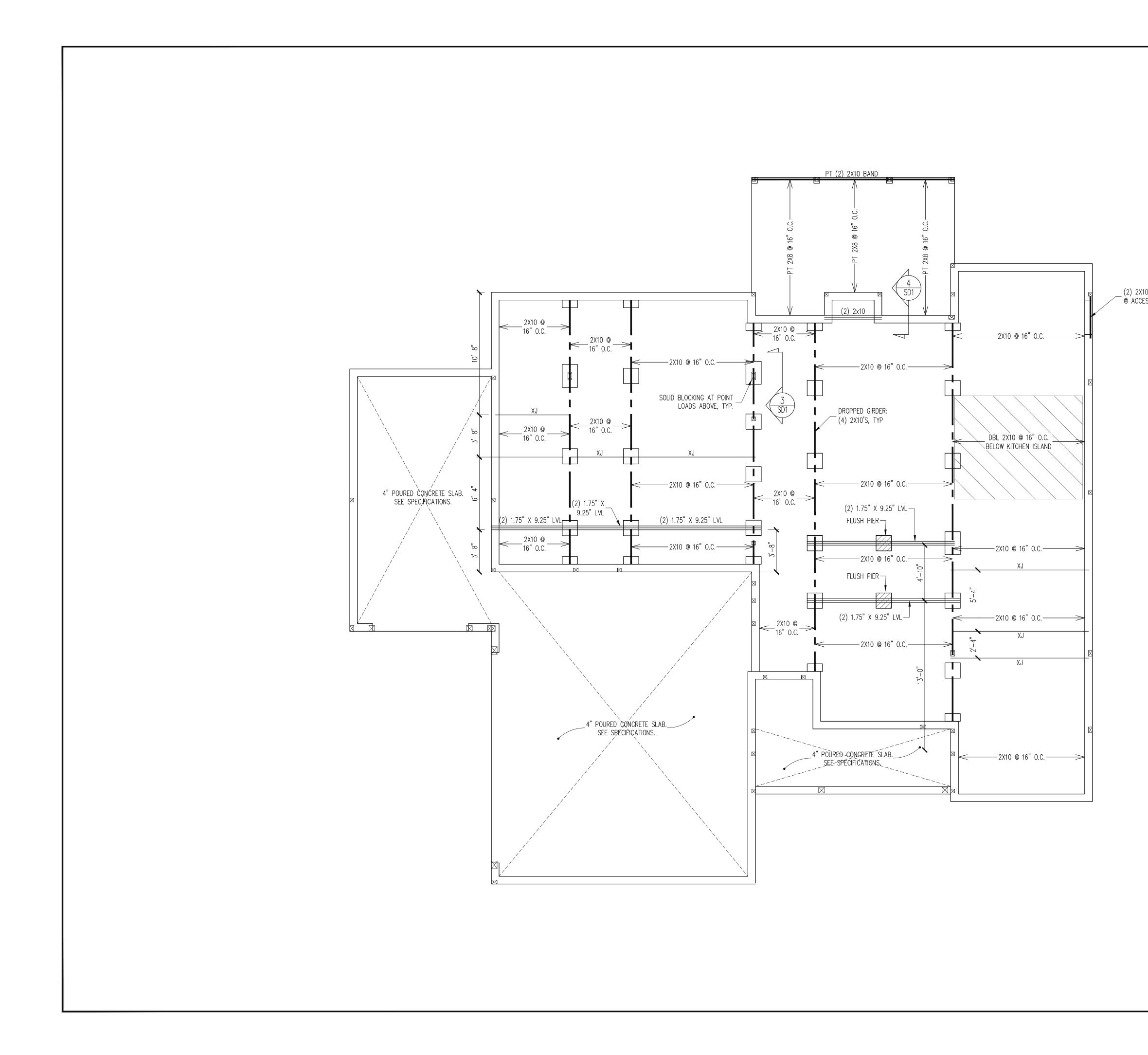
1-2"



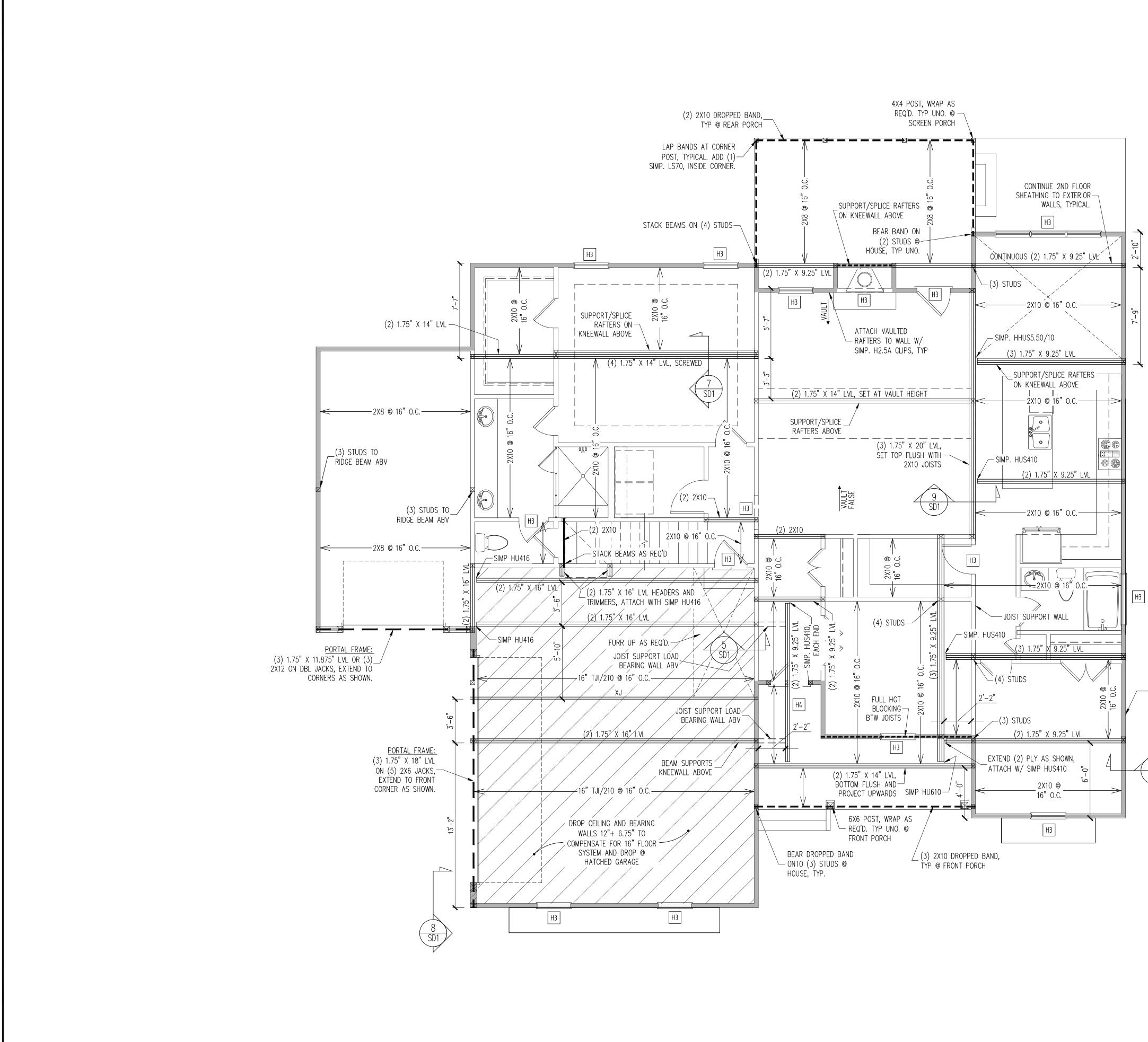




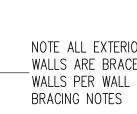




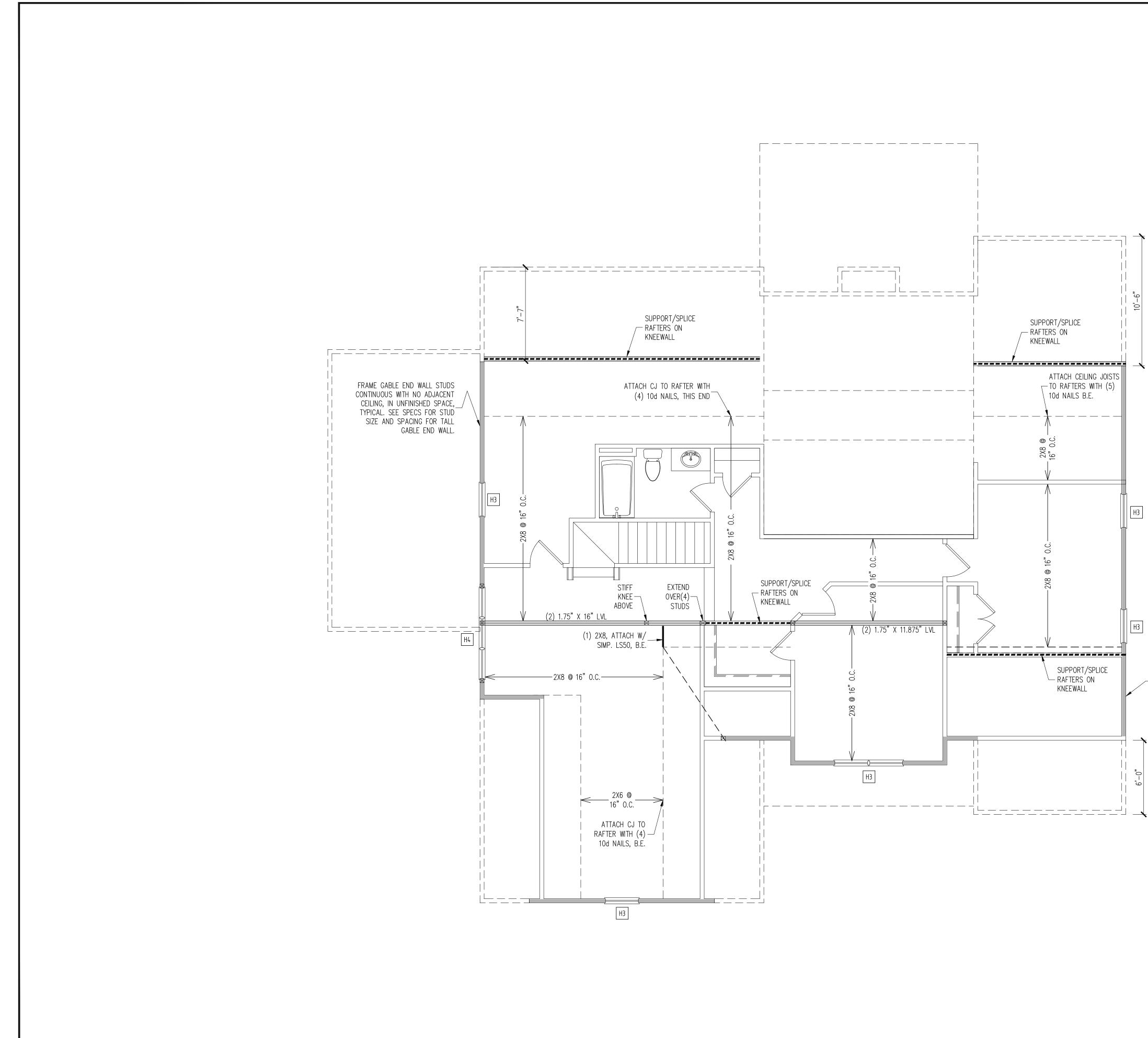
				The structural design of this plan is the property of Engineering Tech Associates, P.A. These plans are for the one time use at the location and for the client listed. Engineering Tech Associates, P.A. assumes no liability for these plans if they are reproduced, in whole or in part, for construction at any other location without written permission from Engineering Tech Associates, P.A.
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	<u>CRAWL</u>	FRAMIN(= 1'-0"	<u>g plan</u>	SHEET NO. S2 2 of 7

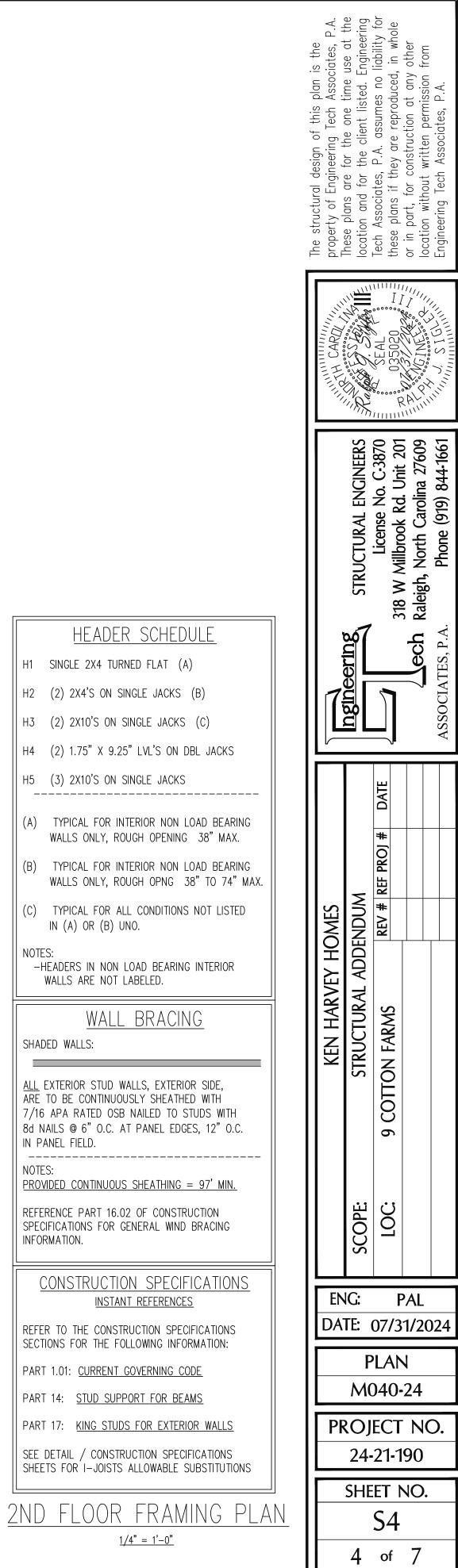


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		CARDY CARDY		035020		Stand SIGUNI
HEADER SCHEDULE H1 SINGLE 2X4 TURNED FLAT (A) H2 (2) 2X4'S ON SINGLE JACKS (B) H3 (2) 2X10'S ON SINGLE JACKS (C) H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS			STRUCTURAL ENGINEERS	License No. C-3870 318 W Millhrook Rd Unit 2011	Aech Raleigh, North Carolina 27609	ASSOCIATES, P.A. Phone (919) 844-1661
H5 (3) 2X10'S ON SINGLE JACKS (A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX. (B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX. (C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO. NOTES: -HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED. <u>WALL BRACING</u> SHADED WALLS: <u>ALL</u> EXTERIOR STUD WALLS, EXTERIOR SIDE,		Ken harvey homes	STRUCTURAL ADDENDUM	COTTON FARMS REV # REF PROJ # DATE		
ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD. NOTES: PROVIDED CONTINUOUS SHEATHING = 291' MIN. REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION.			SCOPE	6		
CONSTRUCTION SPECIFICATIONS INSTANT REFERENCES		EN	IG:	F	PAL	
REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION:		DA	TE:	07/3	1/20)24
PART 1.01: <u>CURRENT GOVERNING CODE</u>			F	PLAN	١	
PART 14: <u>STUD SUPPORT FOR BEAMS</u>			M)40-	24	
PART 17: KING STUDS FOR EXTERIOR WALLS		PF	ROJ	ECT		Э.
SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS			24	·21 · 1	90	
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ST FLOOR FRAMING PLAN				S 3		
1/4" = 1'-0"		⊢	3	of	7	
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NOTE ALL EXTERIOR WALLS ARE BRACED WALLS PER WALL





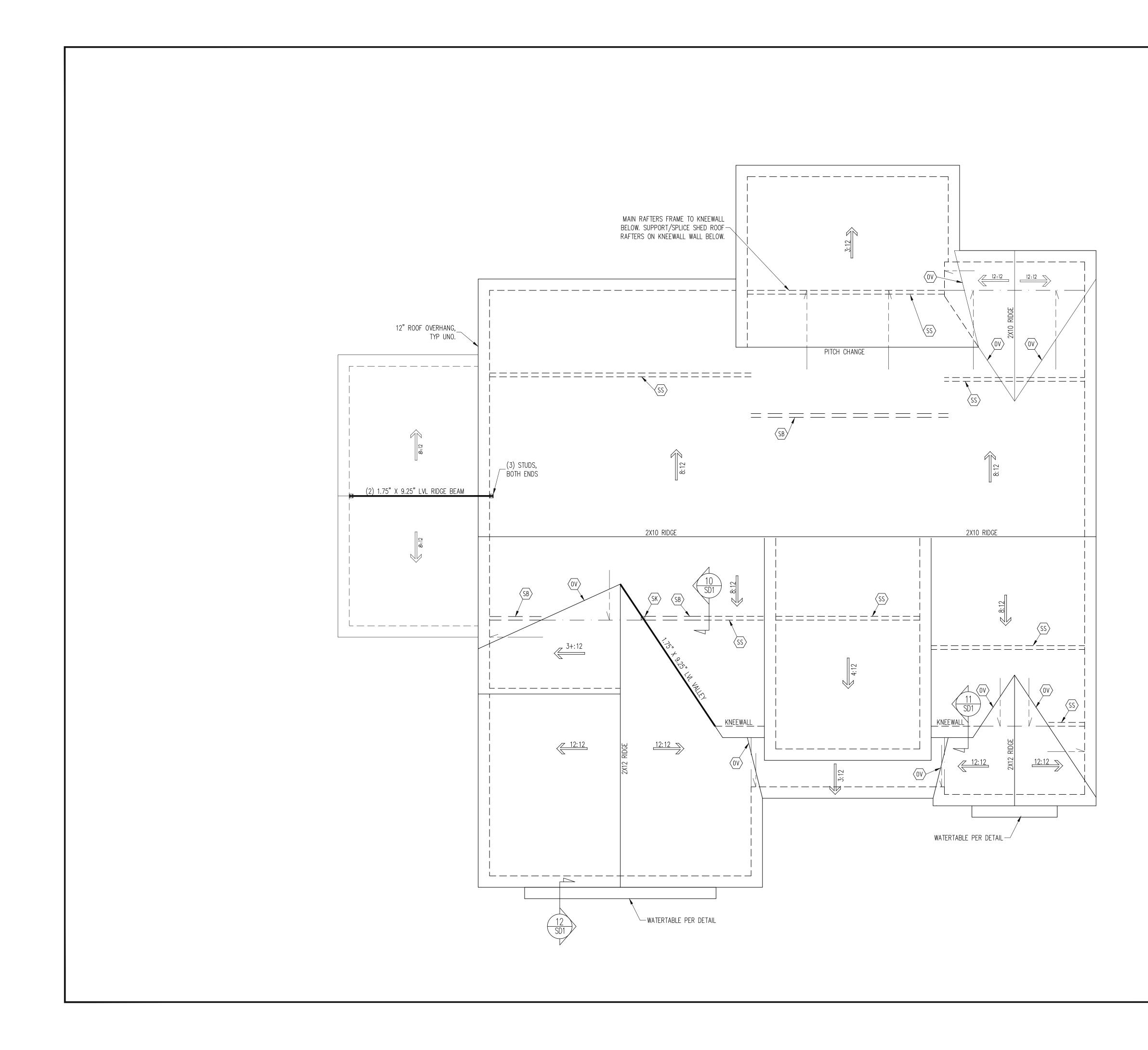
HEADER	SCHEDUL

H1 SINGLE 2X4 TURNED FLAT (A) H2 (2) 2X4'S ON SINGLE JACKS (B) H3 (2) 2X10'S ON SINGLE JACKS (C) H4 (2) 1.75" X 9.25" LVL'S ON DBL JACKS H5 (3) 2X10'S ON SINGLE JACKS -----(A) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPENING 38" MAX. (B) TYPICAL FOR INTERIOR NON LOAD BEARING WALLS ONLY, ROUGH OPNG 38" TO 74" MAX. (C) TYPICAL FOR ALL CONDITIONS NOT LISTED IN (A) OR (B) UNO. NOTES: -HEADERS IN NON LOAD BEARING INTERIOR WALLS ARE NOT LABELED. WALL BRACING SHADED WALLS: ALL EXTERIOR STUD WALLS, EXTERIOR SIDE, ARE TO BE CONTINUOUSLY SHEATHED WITH 7/16 APA RATED OSB NAILED TO STUDS WITH 8d NAILS @ 6" O.C. AT PANEL EDGES, 12" O.C. IN PANEL FIELD. -----NOTES: PROVIDED CONTINUOUS SHEATHING = 97' MIN. REFERENCE PART 16.02 OF CONSTRUCTION SPECIFICATIONS FOR GENERAL WIND BRACING INFORMATION. CONSTRUCTION SPECIFICATIONS INSTANT REFERENCES REFER TO THE CONSTRUCTION SPECIFICATIONS SECTIONS FOR THE FOLLOWING INFORMATION: PART 1.01: <u>CURRENT GOVERNING CODE</u> PART 14: <u>STUD SUPPORT FOR BEAMS</u> PART 17: KING STUDS FOR EXTERIOR WALLS SEE DETAIL / CONSTRUCTION SPECIFICATIONS SHEETS FOR I-JOISTS ALLOWABLE SUBSTITUTIONS

1/4" = 1'-0"

NOTE ALL EXTERIOR WALLS ARE BRACED WALLS PER WALL BRACING NOTES

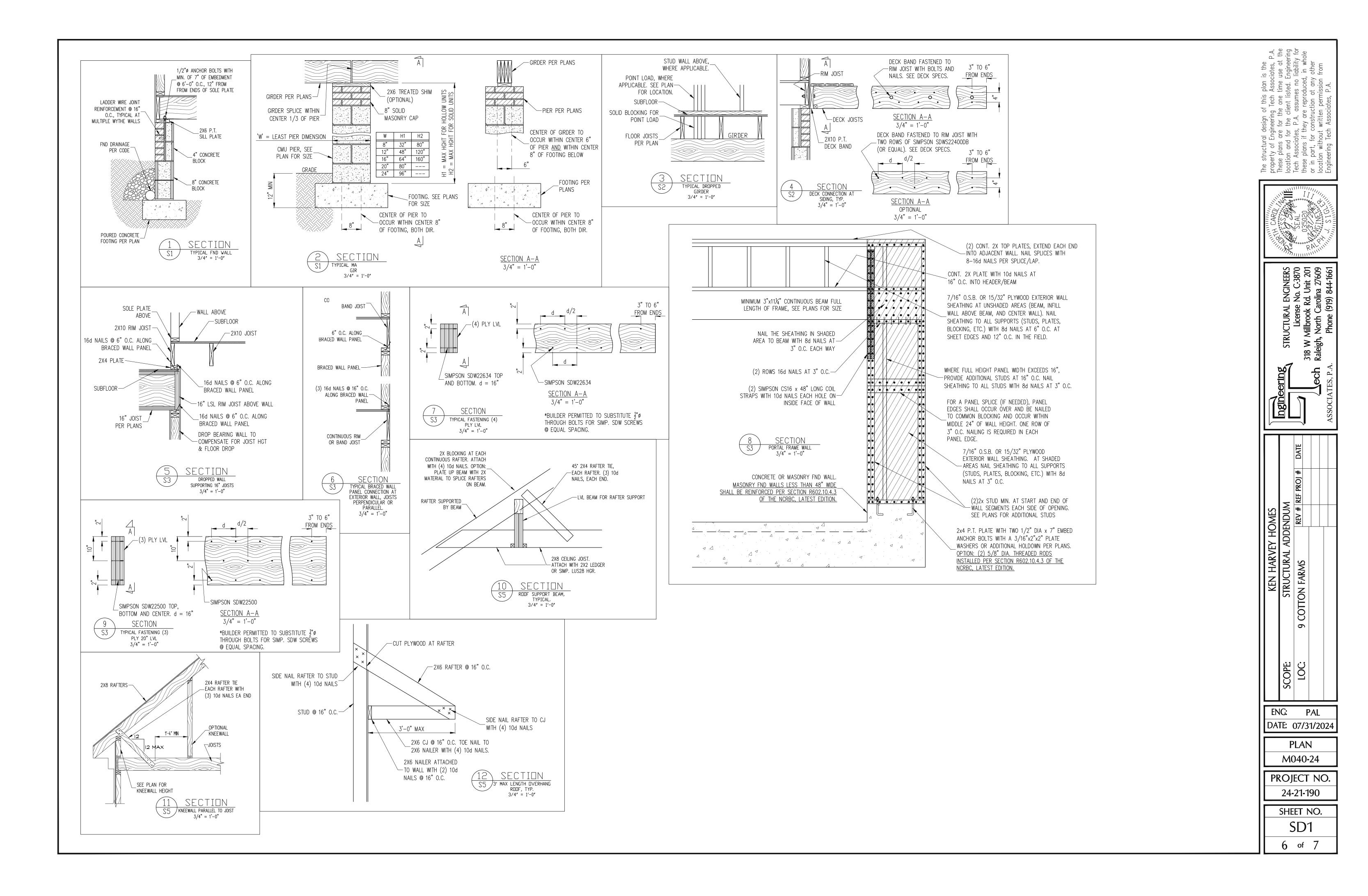


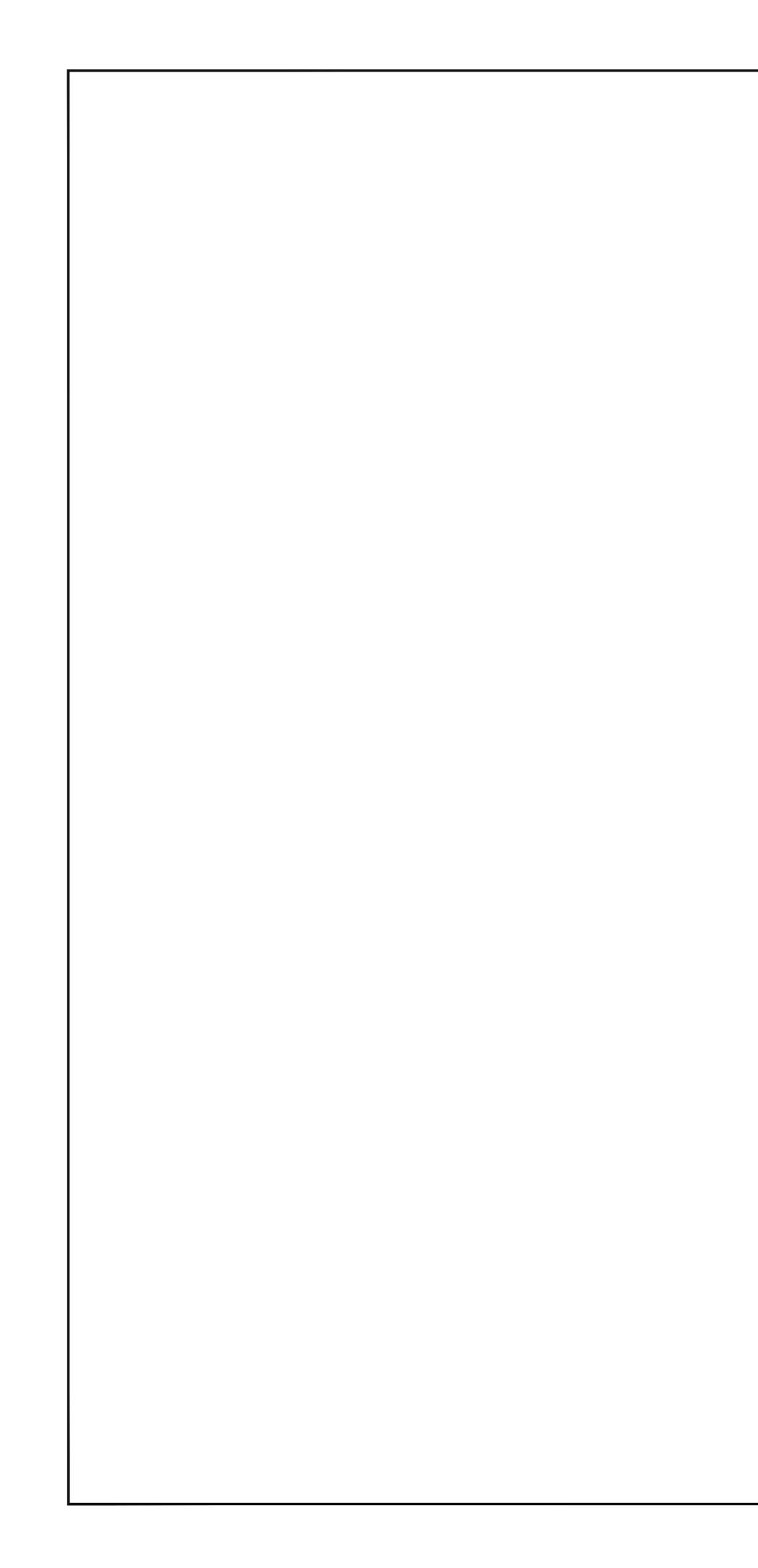


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		Ingineering Structural Engineers	318 W Millhrook Rd 1 Jnit 201	Aech Raleigh, North Carolina 27609	ASSOCIATES, P.A. Phone (919) 844-1661
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	FRAMING NOTES
	ROOF ONLY
-COL	IMON RAFTERS 2X8 @ 16" O.C. TYP U.N.O. LAR TIES 2X4 EVERY 3RD SET OF RAFTERS P U.N.O.
KNEE	IFY ROOF PITCHES, OVERHANG LENGTHS, AND WALL FRAMING HGTS WITH ARCHITECTURAL INGS, TYPICAL.
	FRAMING SCHEDULE
	ROOF ONLY
0V	OVERFRAME VALLEY (2X10 SLEEPER)
SK	DBL 2X4 STIFF KNEE
SS	SUPPORT/SPLICE RAFTERS ON KNEEWALL BELOW
L	

1/4" = 1'-0"





	CONSTRUCTION	SPE	ECIFICATIONS	
1.01	PART 1: GENERAL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.	11.02	LVL OR PSL MEMBERS MAY BE RIPPED FROM DEEPER MEMBERS TO MATCH THE MEMBER DEPTH SPECIFIED IN THE PLANS	THE BUILDER IS RESPONSIBLE FOR SHALL IMMEDIATELY CONTACT THE FOLLOWING CONDITIONS ARE NOT
1.02	DIMENSIONS SHOWN SHALL GOVERN OVER SCALE ON THESE DRAWINGS.		PART 12: PRESSURE TREATED LUMBER	1) THE WORKING PLANS DO N 2) THE PLANS CONTAIN DISCR
1.05	METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.	12.01	LUMBER IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C-15. ALL OTHER EXPOSED LUMBER SHALL BE TREATED IN ACCORDANCE WITH AWPA STANDARD C-2 OR BY ANY METHOD GIVING EQUAL PROTECTION. THE BUILDING CODE OFFICE MAY ALSO APPROVE A NATURAL DECAY RESISTANT WOOD PER SECTION 19-6(A)	ANY ERRORS DUE TO A FAILURE RESPONSIBILITY OF THE EOR. FU ENSURE THAN ANY REVISIONS IS SUBCONTRACTORS
2.01	PART 2: DESIGN LOADS DESIGN LOADS SHALL CONFORM WITH THE TABLE BELOW:	13.01	PART 13: STEEL FLITCH PLATE BEAMS FLITCH PLATE BEAMS SHALL CONSIST OF A CONTINUOUS STEEL PLATE BOLTED BETWEEN	THE EOR DOES NOT PERFORM FI
	USE LIVE LOAD (PSF) DEAD LOAD (PSF) BALCONIES, DECKS, ATTICS WITH FIXED STAIR ACCESS, DWELLING UNITS INCLUDING ATTICS WITH FIXED STAIR ACCESS, STAIRS, FIRE ESCAPES 40 10		TWO PIECES OF CONTINUOUS LUMBER AS SIZED ON THE PLANS. BOLT PIECES TOGETHER USING $1/2$ " \emptyset BOLTS SPACED AT 24" O.C. STAGGERED TOP TO BOTTOM OF THE BEAM. MAINTAIN A 2" EDGE DISTANCE. PLACE TWO BOLTS, ONE ABOVE THE OTHER, 6" \pm 2" FROM EACH END OF THE BEAM.	ROOF AND FLOOR TRUSSES TO I TRUSS DRAWING SHOULD BE SU
	GARAGES (PASSENGER CARS ONLY) 50 ATTICS (NO STORAGE, LESS THAN 5' HEADROOM) 10 10 ATTICS (WITH STORAGE) 20 10 ROOF 20 10 (15 FOR VAULTS)	14.01 1-W Sł	PART 14: STUD SUPPORTS FOR BEAMS STEEL, ENGINEERED LUMBER, AND FLITCH PLATE BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS: HEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL, THE BEAM HALL BEAR <u>FULL WIDTH</u> ON THE SUPPORTING WALL INDICATED AND SHALL BE SUPPORTED Y A MINIMUM OF THREE GANGED STUDS, OR A GANGED STUD COLUMN WITH A NUMBER	1. A DECK IS AN EXPOSED EX A STRUCTURE OR BE FREE CONSTRUCTED USING THESE
NOTES	 INDIVIDUAL STAIR TREADS ARE TO BE DESIGNED FOR THE UNIFORMLY DISTRIBUTED LIVE LOAD OF 40 PSF OR A 300 LB. CONCENTRATED LOAD ACTING OVER AN AREA OF 4 SQ. WHICHEVER PRODUCES THE GREATER STRESS. BUILDER TO VERIFY DEAD LOAD DOES NOT EXCEED 10 PSF WHEN HEAVY FLOOR OR ROOF FINISHES SUCH AS TILE OR SLATE ARE UTILIZED. NOTIFY ENGINEERING UNDER THESE CONDITIONS 	01 Tł C(Tł 2–B A	Y A MINIMUM OF THREE GANGED STUDS, OR A GANGED STUD COLUMN WITH A NUMBER F STUDS SUCH THAT THE STUD COLUMN IS AT LEAST AS WDE AS THE TRUE WIDTH OF HE BEAM BEING SUPPORTED, WHICHEVER IS GREATER, TYP UNO. FOR THE SKEWED ONDITION PARTICULAR CARE SHALL BE TAKEN TO ENSURE STUD COLUMN IS CENTERED ON HE BEAM BEAM MINIMUM OF 4 1/2" ONTO THE WALL AND BE SUPPORTED BY A TRPL STUD GANGED OLUMN TYP UNO.	TREATED WOOD BAND FOR SHALL BE USED TO PREVE FRAMING OF THE STRUCTU
2.02	INTERIOR WALLS: 5 PSF LATERAL.	14.02	DIMENSIONAL LUMBER BEAMS BEARING ON A STUD WALL SHALL BEAR AS FOLLOWS:	CONSTRUCTED IN CONTACT PLYWOOD SHEATHING IS RI
2.03	BASIC WIND DESIGN VELOCITY OF 120 MPH.	1-W	HEN THE BEAM IS PERPENDICULAR TO, OR SKEWED RELATIVE TO THE WALL, THE BEAM	INSTALLED BETWEEN THE S STRUCTURE, NEITHER FLAS
2.04	SOIL BEARING CAPACITY 2000 PSF (PRESUMPTIVE). PART 3: STRUCTURAL STEEL	F(G/ T(HALL BEAR <u>FULL WIDTH</u> ON THE SUPPORTING WALL INDICATED (LESS 1 1/2 [°] TO ALLOW OR A CONTINUOUS RIM JOIST WHERE APPLICABLE) AND SHALL BE SUPPORTED BY A ANGED STUD COLUMN THE SAME WIDTH AS THE BEAM TYP UNO. (E.G. A TRIPLE 2X10 IS O BE SUPPORTED BY (3) STUDS). FOR THE SKEWED CONDITION PARTICULAR CARE SHALL	IS REQUIRED. IN ADDITION, WITH THE BRICK 4. WHEN THE DECK IS SUPPO
3.01 3.02	WIDE FLANGE BEAMS AND TEE SECTIONS SHALL CONFORM TO ASTM A992 MINIMUM GRADE SQUARE AND RECTANGULAR TUBING SHALL CONFORM TO ASTM A500 GRADE B MINIMUM	2-B	E TAKEN TO ENSURE STÚD COLÚMN IS CENTERED ON THE BEAM EAMS BEARING ONTO THE END OF A STUD WALL PARALLEL TO THE BEAM SHALL BEAR A INIMUM OF 3" ONTO THE WALL AND BE SUPPORTED BY A DBL STUD GANGED COLUMN YP UNO.	STRUCTURE, THE FOLLOWIN DECK BAND TO THE STRUC
3.03	GRADE. STEEL PIPE SHALL CONFORM TO ASTM A53 GRADE B, TYPE S, MINIMUM GRADE	14.03	EXTRA JOISTS BEARING ON A STUD WALL PERPENDICULAR TO OR SKEWED RELATIVE TO THE BEAM SHALL BE SUPPORTED BY ONE ADDITIONAL STUD.	A. ALL STRUCTURES EXC
3.04	ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 MINIMUM GRADE	14.04		UF
3.05	STRUCTURAL STEEL CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS. PART 4: WELDING		THE COLUMN NAILED TOGETHER WITH ONE ROW OF 10d NAILS AT 8" O.C. (TWO ROWS OF 10d NAILS @ 8" O.C., 3" APART, FOR 2X8 OR 2X10 STUDS) ALL COLUMNS SHALL BE CONTINUOUS DOWN TO THE FOUNDATION OR OTHER PROPERLY DESIGNED STRUCTURAL ELEMENT SUCH AS A BEAM. COLUMNS TRANSFERRING LOADS THROUGH FLOOR LEVELS SHALL BE SOLIDLY BLOCKED FOR THE FULL WIDTH OF THE STUD COLUMN	REQUIRED FASTENERS (2) ROWS OF 12 TWO ROWS OF @ d = 32
4.01	WELDING ELECTRODES SHALL BE E70XX AND ALL WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER		WITHIN THE CAVITY FORMED BY THE FLOOR JOISTS. PART 15: NAILING OF MULTI PLY WOOD BEAMS	A . BRICK VENEER STRUCTUR
5.01	PART 5: CONCRETE AND SLABS ON GRADE CAST IN PLACE CONCRETE SHALL BE OF NORMAL WEIGHT, 6% AIR ENTRAINMENT, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS TYP UNO. ALL CONCRETE, INCLUDING CONCRETE FOR FOOTINGS, IS TO BE CAST IN PLACE, TYP	15.01	SOLID SAWN LUMBER JOISTS THAT ARE GANGED TO FORM A BEAM SHALL HAVE ADJACENT MEMBERS IN THE BEAM NAILED TOGETHER WITH THREE ROWS OF 10d NAILS © 16" O.C. FOR 2X10 OR LARGER, TWO ROWS OF 10d NAILS © 16" O.C. FOR 2X8, ONE ROW OF 10d NAILS © 16" O.C. FOR 2X6 OR SMALLER. STAGGER ROWS 5" MIN.	UP REQUIRED FASTENERS ONE- 5/8"
5.02	UNO. REINFORCED CAST IN PLACE CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED IN ACCORDANCE WITH THE SPECIFICATIONS OF ACI 318, LATEST EDITION.	15.02	LVL MEMBERS THAT ARE GANGED TO FORM A BEAM SHALL HAVE ADJACENT MEMBERS IN THE BEAM FASTENED TOGETHER PER MANUFACTURERS RECOMMENDATIONS, TYP UNO	5. IF THE DECK BAND IS SUP FOUNDATION WALL, 5/8" Ø
5.03	SLABS ON GRADE, IF ANY, SHALL CONTAIN SYNTHETIC POLYPROPYLENE FIBRILLATED		PART 16: WALL FRAMING AND BRACING	6. OTHER MEANS OF SUPPOR JOISTS TO A TREATED STRU
	MICRO FIBERS, FIBER LENGTH 1 1/2", DOSAGE RATE 1 1/2 LBS/CU YD. SLAB TO BE PLACED ON A 6 MIL VAPOR BARRIER ON 2" MIN GRANULAR FILL ON SOIL WITH 90% MIN STANDARD PROCTOR DENSITY. VAPOR BARRIER MAY BE OMITTED FOR SLABS NOT IN ENCLOSED AREAS	16.01	STUD WALLS SHALL CONSIST OF 2X4 STUDS SPACED AT 16" O.C. UNO. STUDS SHALL BE CONTINUOUS FROM SOLE PLATE AT FLOOR TO DOUBLE TOP PLATE AT THE CEILING OR ROOF. NO INTERMEDIATE BANDS OR PLATES SHALL CAUSE DISCONTINUITIES IN A STUD WALL EXCEPT AS REQUIRED FOR DOOR OR WINDOW OPENINGS. THE KING STUDS FOR SUCH OPENINGS SHALL BE CONTINUOUS, TYP UNO.	 7. GIRDERS SHALL BEAR DIRE WITH 2- 5/8" Ø BOLTS 8. FLOOR DECKING SHALL BE
6.01	PART 6: REBAR AND WIRE REINFORCEMENT REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60 TYP UNO LAP SPLICES SHALL BE CLASS B AS DEFINED BY ACI 318, TYP UNO		MAX ALLOWABLE WALL HEIGHTS FOR EXTERIOR STUD WALLS, INCLUSIVE OF SOLE PLATE AND DBL TOP PLATE AND 7/16" OSB EXTERIOR BRACING AND ROW OF 2X4 2X6 PURLINS AT 8' HEIGHT (AND AT 16' HEIGHT FOR TALL WALLS), TYP UNO: 2X4 @ 16" O.C.: 11'-1 1/2" 2X6 @ 16" O.C.: 17'-0"	MINIMUM FLOOR DECKING TH
6.02 6.03	WIRE REINFORCEMENT SHALL BE 9 GA AND SHALL CONFORM TO ASTM A1064.		2X4 @ 12" 0.C.: 12'-1 1/2" 2X6 @ 12" 0.C.: 18'-8" DBL 2X4 @ 16" 0.C.: 13'-4" DBL 2X6 @ 16" 0.C.: 21'-0"	
	PART 7: MASONRY	16.02	FOR WALL BRACING THE FOLLOWING SHALL APPLY:	
	CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 AND C55, NORMAL WEIGHT, f'M = 1,500 PSI MIN		-BLOCKING AT UNSUPPORTED PANEL EDGES IS REQUIRED TYP UNO. -WALL BRACING IS BY ENGINEERED DESIGN AND NOT PRESCRIPTIVE PER SECTION 602.10 OF THE 2018 NCRC. CONTINUOUS SHEATHING HAS BEEN PROVIDED, ALONG WITH ALTERNATIVE METHODS TO INSURE THE MINIMUM INTENT OF SECTION 602.10	AL
7.02 7.03	CLAY MASONRY UNITS SHALL CONFORM TO ASTM C62–17 GRADE SW MORTAR SHALL BE TYPE S. MORTAR AND GROUT SHALL CONFORM TO ASTM C476, MIN COMPRESSIVE STRENGTH OF 2000 PSI.		OF THE 2018 NCRC HAS BEEN MET AND EXCEEDED. -BRACED WALL PANELS SHALL BE FASTENED IN ACCORDANCE WITH TABLE 602.3(1) TO PROVIDE CONTINUOUS PANEL UPLIFT RESISTANCE AND COMPLIANCE WITH NCRBC R602.3.5 AND R802.11 UNLESS NOTED OTHERWISE ON STRUCTURAL PLANS.	NOTE: MAIN [:] PLANS.
7.04	MASONRY CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS OF ACI 530		-MAY SUBSTITUTE WSP FOR GB -SINGLE JOIST. CONTINUOUS RIM JOIST. OR BLOCKING OF EQUAL DEPTH IS REQUIRED	MANUFACTU
7.05	LADDER WIRE REINFORCEMENT SHALL CONFORM TO ASTM A951. 6" MIN LAPS FOR CONTINUOUS WALL APPLICATIONS		ABOVE AND BELOW ALL BRACED WALLS. NAIL BLOCKING ABOVE WALL TO TOP PLATE WITH 16d TOE NAILS @ 6" O.C. NAIL SOLE PLATE OF BRACED WALL TO BLOCKING BELOW WITH (3) 16d NAILS @ 16" O.C. BLOCKING AT HORIZONTAL JOINTS IN BRACED WALL LINES ONLY REQUIRED AT SHADED WALLS, UNO.	BLUELINX BLUELINX BOISE CASC
8.01	PART 8: BOLTS AND LAG SCREWS BOLTS SHALL CONFORM TO ASTM A307 MINIMUM GRADE TYP UNO. INSTALL STANDARD STEEL WASHERS (ASTM F844–07a) FOR THE NUT / BOLT HEAD WHEN BOLTING WOOD MEMBERS	17.01	PART 17: KING STUDS KING STUDS FOR OPENINGS IN EXTERIOR WALLS SHALL BE AS FOLLOWS:	BOISE CASC INTERNATION BEAM LP CORP
8.02	LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1–1981. PILOT HOLES SHALL BE USED FOR LAG SCREW INSTALLATION AND SHALL BE BORED ACCORDING TO NDS SPECIFICATIONS. INSTALL STANDARD STEEL WASHERS (ASTM F844–07a) FOR SCREW HEAD		NUMBER OF KING STUDS MAX OPENING WIDTH $5'-0"$ $9'-0"$ $13'-0"$ $17'-0"$ $21'-0"$ 2X4 1 2 3 4 5 STUD SIZE 2X6 1 1 2 2 2 2X8 1 1 1 2 2 2	NORDIC ROSEBURG WEYERHAEUS
8.03	ANCHOR RODS AND BOLTS SHALL CONFORM TO ASTM F1554–15 GRADE 36 UNO. BENT ANCHOR BOLTS SHALL HAVE A 2" MIN HOOK UNO PART 9: DRIVEN FASTENERS	18.01	PART 18: SUBSTITUTIONS MATERIAL OR MEMBER SIZE SUBSTITUTIONS OR PLAN DEVIATIONS REQUIRE THE WRITTEN	JOISTS NOT MEET OR EX BRAND HAN
9.01	NAILS, SPIKES AND STAPLES SHALL CONFORM TO ASTM F 1667- 05. NAILS ARE TO BE COMMON WIRE OR BOX		AUTHORIZATION OF THE DESIGNERS. UNAUTHORIZED DEVIATIONS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PART 19: OWNERSHIP OF STRUCTURAL DESIGN	
10.01	PART 10: DIMENSIONAL LUMBER SOLID SAWN WOOD FRAMING DESIGN IS BASED ON NO. 2 SPRUCE PINE FIR <u>OR</u> SYP #2 FOR JOISTS, RAFTERS, GIRDERS, BEAMS, STUDS, ETC.	19.01	THE STRUCTURAL DESIGN OF THIS PLAN IS THE PROPERTY OF ENGINEERING TECH ASSOCIATES (ETA). THESE PLANS ARE FOR THE ONE TIME USE AT THE LOCATION INDICATED AND FOR THE CLIENT LISTED. ETA ASSUMES NO LIABILITY FOR THESE PLAN IF THEY ARE REPRODUCED, IN WHOLE OR IN PART, FOR CONSTRUCTION AT ANY OTHE	IS R
<u>PAR</u> 11.01	<u>RT 11: ENGINEERED LUMBER</u> LVL OR PSL MINIMUM ALLOWABLE DESIGN STRESSES ARE AS FOLLOWS: E= 1.9 X 10E6 PSI, Fb = 2600 PSI, Fv = 285 PSI, Fc = 750 PSI LSL MINIMUM ALLOWABLE DESIGN STRESSES ARE AS FOLLOWS: E= 1.3 X 10E6 PSI, Fb = 1700 PSI, Fv = 400 PSI, Fc = 680 PSI		LOCATION WITHOUT WRITTEN PERMISSION FROM ETA	

	NOTES	ABBREVIATIONS	is the ciates, P.A. use at the Engineering liability for d, in whole y other from
	FOR REVIEWING PLANS PRIOR TO CONSTRUCTION. THE BUILDER THE ENGINEER OF RECORD (EOR) BEFORE PROCEEDING IF THE OTED BEFORE OR DURING CONSTRUCTION: NOT BEAR THE SEAL OF THE EOR CREPANT OR INCOMPLETE INFORMATION RE TO FOLLOW THE ABOVE PROCEDURES SHALL NOT BE THE FURTHERMORE, IT IS THE RESPONSIBILITY OF THE BUILDER TO ISSUED BY THE EOR ARE PROMPLY DISTRIBUTED TO THE FENESTRATION OR VENTING CALCULATIONS OR ANY OTHER DIRECTLY RELATED TO STRUCTURAL ENGINEERING.	ABVABOVEFNDFOUNDATIONTJTRIPLEJOISTB.BOTHFTGFOOTINGTYPTYPICALB.E.BOTHHDGHOT DIPPEDTRPLTRIPLEBTWNBETWEENGALVANIZEDTSPTRIPLE STUD POCKETCIPCAST IN PLACEHGRHANGERUNOUNLESS NOTEDCONCCONCRETELVLLAMINATED VENEEROTHERWISEXJEXTRA JOISTDIADIAMETERNTSNOT TO SCALEOTHERWISEXJEXTRA JOISTDJDOUBLEO.C.ON CENTERUMBERXJEXTRA JOISTDSPDBLSTUD POCKETLUMBERLUMBERXJEXTRA JOISTFLGFLANGESPSTUD POCKETFLGFLGFLANGEFL PLFLICHPARESQSQUAREFLFL	ctural design of this plan of Engineering Tech Asso ans are for the one time and for the client listed. sociates, P.A. assumes no ans if they are reproduced t, for construction at any without written permission ng Tech Associates, P.A.
E STANDIKE ROMED FORDERS, GAPHING RESERVED N., MAY BE BE ROMOGINGS MALL AND THE STRUCTURE TO MILLION AND ALL REAL STANDING TO EXCLUSION AND ALL		CIFICATIONS	
RECORD AD PROPERTING THANKED TO A BINK INSTRUCTION. ON THE REX MORE, IT ATTACHED TO A BINK INTERNET IN ANY THE REX MORE, IT ATTACHED TO A BINK INTERNET IN ANY THE REX MORE, IT ATTACHED TO A BINK INTERNET IN ANY THE REX MORE IT ATTACHED TO A BINK INTERNET IN ANY THE REX MORE IT ATTACHED TO A BINK INTERNET IN ANY THE REX MORE IT ATTACHED TO A BINK INTERNET IN ANY THE INFORMATION THE INTERNET IN ANY THE INFORMATION THE INFORMATION THE INFORMATION THE INFORMATION IN ANY THE INFORMATION IN ANY THE INFORMATION THE INFORMATION IN ANY THE INFORMATION INFORMATION THE INFORMATION IN ANY THE INFORMATION THE INFORMATION IN ANY THE INFORMATION IN ANY THE INFORMATION INFORMATION INFORMATION IN ANY THE INFOR	E STANDING. ROOFED PORCHES, OPEN OR SCREENED IN, MAY BE SE PROVISIONS. 3E SUPPORTED BY A FOOTING. TRUCTURE, THE STRUCTURE TO WHICH ATTACHED SHALL HAVE A OR THE LENGTH OF THE DECK, OR CORROSION RESISTANT FLASHING VENT MOISTURE FROM COMING IN CONTACT WITH THE UNTREATED TURE. THE DECK BAND AND THE STRUCTURE BAND SHALL BE	12" O.C. 1" S4S 16" O.C. 1" T&G 24" O.C. 1 1/4" S4S 32" O.C. 2" S4S 9. MAXIMUM HEIGHT OF DECK SUPPORT POSTS IS AS FOLLOWS: POST SIZE MAX POST HEIGHT	CARL CARL
IUSER 16" TJ 210 IUS2.06/16 ITS2.06/16 JT LISTED IN THE ABOVE TABLE MAY BE USED PROVIDED THEY EXCEED THE PROPERTIES OF THOSE USTED. SUBSTITUTE USP WIGERS WITH EQUIVALENT VALUES AS DESIRED.	TURE. THE DECK BAND AND THE STRUCTURE BAND SHALL BE CT WITH EACH OTHER EXCEPT AT BRICK VENEER AND WHERE REQUIRED AND PROPERLY FLASHED. SIDING SHALL NOT BE STRUCTURE AND THE DECK BAND FOR THE BRICK STRUCTURE N, THE TREATED DECK BAND SHALL BE CONSTRUCTED IN CONTACT PORTED AT THE STRUCTURE BY ATTACHING THE DECK TO THE UNG ATTACHMENT SCHEDULES SHALL APPLY FOR ATTACHING THE UCTURE: CEPT BRICK STRUCTURES	4X4 8' 6X6 20' ENGINEERED 20' + NOTES: 1) THIS TABLE IS BASED ON NO. 2 TREATED SOUTHERN PINE POSTS. 2) THIS TABLE IS BASED ON A MAXIMUM TRIBUTARY AREA OF 128 SQ. FT. 3) POST HEIGHT IS FROM TOP OF FOOTING TO BOTTOM OF GIRDER. 10. DECKS SHALL BE BRACED TO PROVIDE LATERAL STABILITY BY ONE OF THE FOLLOWING METHODS: A. WHEN THE DECK FLOOR HEIGHT IS LESS THAN 4'-0" AND THE DECK IS ATTACHED TO THE STRUCTURE IN ACCORDANCE WITH SECTION 4, LATERAL BRACING IS NOT REQUIRED. B. 4X4 WOOD KNEE BRACES MAY BE PROVIDED ON EACH COLUMN IN BOTH DIRECTIONS. THE KNEE BRACES SHALL ATTACH TO EACH POST AT A POINT NOT LESS THAN 1/3 OF THE POST LENGTH FROM THE TOP OF THE POST, AND THE BRACES SHALL BE ANGLED BETWEEN 45' AND 60' FROM THE HORZONTAL KNEE BRACES SHALL BE ANGLED BETWEEN 45' AND 60' FROM THE HORZONTAL KNEE BRACES SHALL BE ATTACHED AT THE ENDS TO THE GIRDER AND THE POST WITH ONE - 5/8'' Ø BOLT C. FOR FREE STANDING DECKS WITHOUT KNEE BRACES OR DIAGONAL BRACING, LATERAL STABILITY MAY BE PROVIDED BY EMBEDDING THE POSTS IN CONCRETE IN ACCORDANCE WITH THE FOLLOWING: Image: POST SIZE TRIBUT. AREA POST HEIGHT EMB. DEPTH CONC. DIAM. 4X4 48 SQ. FT. 4'-0" 2'-6" 1'-0" 6X6 120 SQ. FT. 6'-0" 3'-6" 1'-8" D. D. 2X6 DIAGONAL VERTICAL CROSS BRACING SHALL BE PROVIDED IN TWO PERPENDICULAR DIRECTIONS FOR FREE STANDING DECKS OR PARALLEL TO THE STRUCTURE AT THE EXTERIOR COLUMN LINE FOR ATTACHED D	KEN HARVEY HOMES KEN HARVEY HOMES SCOPE STRUCTURAL ENCINAL ENCINA ENCI