

THE MAIN WIND RESISTANCE FOR THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2017 FLORIDA RESIDENTIAL BUILDING CODE 6TH EDITION AND LATEST ADOPTED SUPPLEMENTS TO WITHSTAND THE WIND LOADS ASSOCIATED WITH A MINIMUM WIND SPEED OF 150 MILES PER HOUR, EXPOSURE D STRUCTURE.

THE COMPONENTS AND CLADDING HAVE BEEN SELECTED AND THEIR USE INCORPORATED INTO THE DESIGN AND SPECIFICATIONS IN ACCORDANCE WITH THE 2017 FLORIDA RESIDENTIAL BUILDING CODE 6TH EDITION AND LATEST ADOPTED SUPPLEMENTS TO WITHSTAND THE WIND LOADS ASSOCIATED WITH A MINIMUM WIND SPEED OF 150 MILES PER HOUR, EXPOSURE D STRUCTURE

1. ULTIMATE WIND SPEED = 150 MILES PER HOUR/NOMINAL WIND SPEED = 116 MILES PER HOUR
2. WIND IMPORTANCE FACTOR = 1 / BUILDING CATEGORY = 2 / ENCLOSED (FULLY)
3. WIND EXPOSURE = EXPOSURE D
4. INTERNAL PRESSURE COEFFICIENT: + 0.18 / - 0.18
5. COMPONENTS & CLADDING: + 40.3 PSF / - 51.8 PSF

ALL DOOR AND WINDOW UNITS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS (WHERE APPLICABLE)

THIS STRUCTURE HAS BEEN DESIGNED AS A FULLY ENCLOSED STRUCTURE. THIS STRUCTURE IS LOCATED IN A WIND-BORNE DEBRIS ZONE PER FLORIDA BUILDING CODE. GLAZING PROTECTION (IMPACT GLASS AND/OR HURRICANE SHUTTERS) IS REQUIRED TO BE INSTALLED.

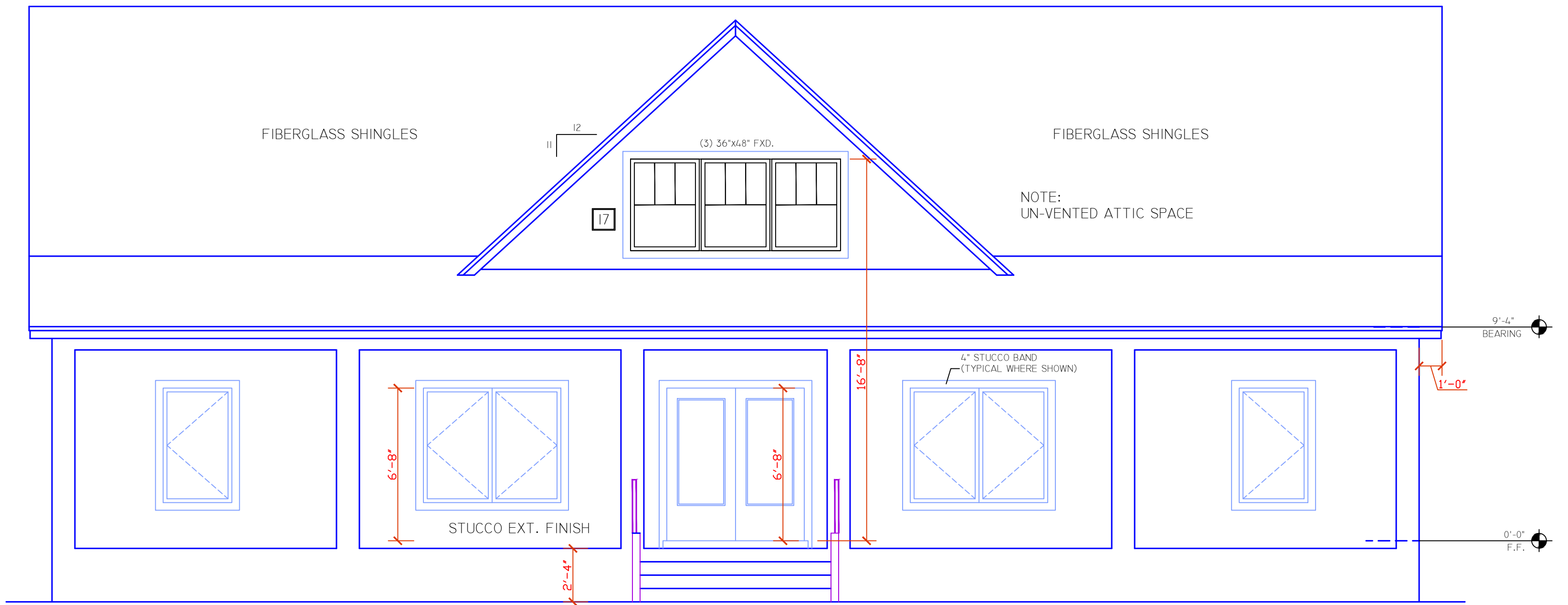
BUILDING INFORMATION	
Design Wind Speed	Nominal
Wind Velocity (mph)	150
Exposure	D
Internal Pressure	Enclosed
Height above ground (z) (ft.)	0.0
Standard Wall Height (ft.)	9.3
Mean Roof Height (h) (ft.)	30.0
Building Width (ft.)	59.7
Building Length (ft.)	67.7
Roof Slope (in:12)	6.0
Roof Angle (degrees)	26.57
(a) Edge Strip (ft.)	5.97
End Zone (ft.)	11.93

ASCE 7-16
Wall Openings
(all wall openings: windows, doors, shutters, etc.)

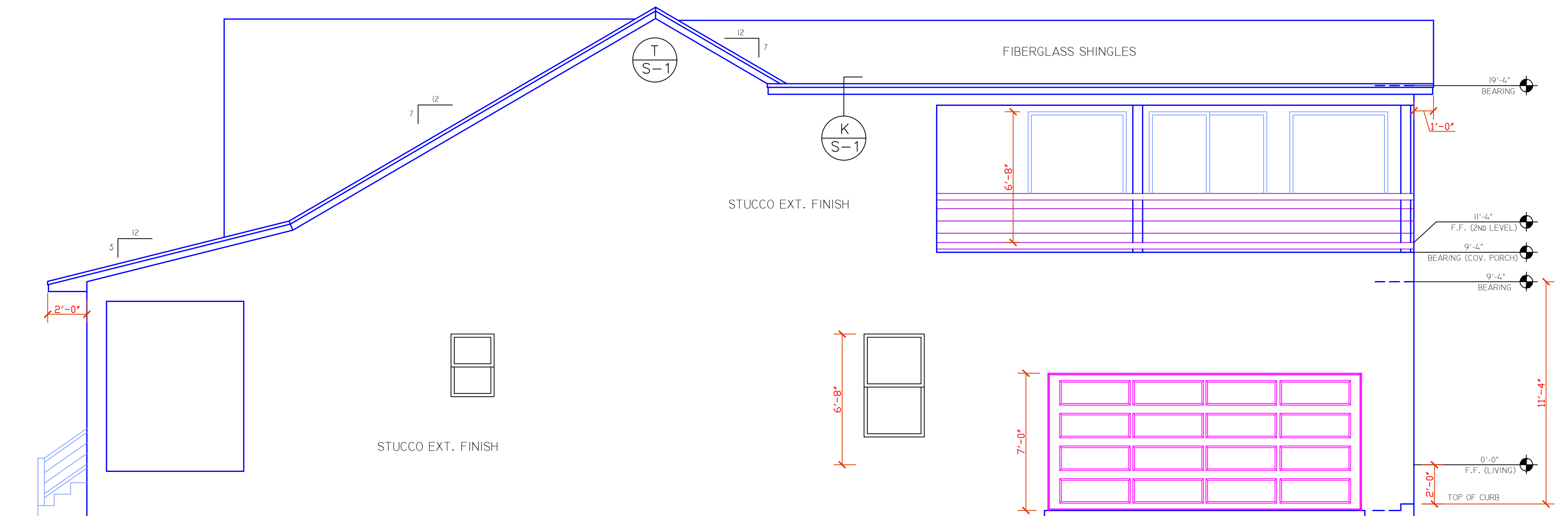
Wind Load Program
 2001 - 2018 ©
 Windloadcalc.com
Your Window to Success

WIND LOAD DESIGN INFORMATION

INFO.	APPLYING WIND LOAD FOR:	ZONE	OPENING ELEVATION (ft.)	WIDTH (ft.)	LENGTH (ft.)	EFFECTIVE WIND AREA (sq. ft.)	Nominal Wind Load Pressures	
							MAXIMUM POSITIVE PRESSURE (psf)	MAXIMUM NEGATIVE PRESSURE (psf)
WALL OPENING INFORMATION	1	4	4	6.0	6.7	40.0	36.7	-40.1
	2	4	4	6.0	5.0	30.0	37.4	-40.8
	3	5	4	3.0	5.0	15.0	39.2	-51.8
	4	4	4	3.2	3.3	10.6	40.1	-43.6
	5	5	4	3.2	5.2	16.6	39.0	-51.3
	6	4	4	12.0	6.7	80.0	34.8	-38.3
	7	4	4	3.2	3.3	10.6	40.1	-43.6
	8	5	4	3.0	6.7	20.0	38.5	-50.3
	9	5	4	16.0	7.0	112.0	34.0	-41.3
	10	4	4	3.2	5.2	16.6	39.0	-42.4
	11	4	4	2.3	3.3	7.6	40.3	-43.7
	12	5	4	3.0	5.0	15.0	39.2	-51.8
	13	4	4	6.0	5.0	30.0	37.4	-40.8
	14	5	15	5.0	5.0	25.0	37.9	-49.1
	15	4	15	6.0	6.7	40.0	36.7	-40.1
	16	4	15	5.0	5.0	25.0	37.9	-41.3
	17	5	15	9.2	4.0	36.8	36.9	-47.1



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



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

TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE FOLLOWING PLANS COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE 2017 FLORIDA RESIDENTIAL BUILDING CODE 6TH EDITION AND LATEST ADOPTED SUPPLEMENTS

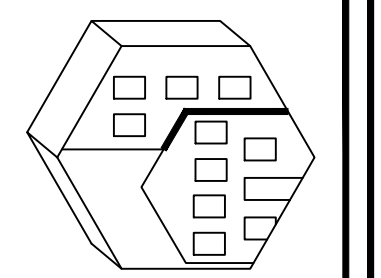
DESIGN CRITERIA	
FULLY ENCLOSED	
WIND SPEED	150 MPH
EXPOSURE	D
BUILDING CATEGORY	TWO (2)

GENERAL NOTES
 1. THESE DRAWINGS WERE PREPARED WITH THE ASSUMPTION THE CONTRACTOR/OWNER/BUILDER IS KNOWLEDGEABLE OF COMMON CONSTRUCTION PRACTICES.
 2. THE CONTRACTOR/OWNER/BUILDER SHALL REVIEW DRAWINGS FOR ACCURACY AND INTERPRETATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNERS PRIOR TO CONSTRUCTION.
 3. THE FOUNDATION PLAN SHALL BE VERIFIED BY THE CONTRACTOR/OWNER/BUILDER TO CORRESPOND WITH THE FINAL ENGINEERED TRUSS LAYOUT.
 4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.
 DO NOT SCALE DRAWINGS.

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ISSUED: 12-15-20	

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 ENGINEERING AND DESIGN CONCEPTS, INC.

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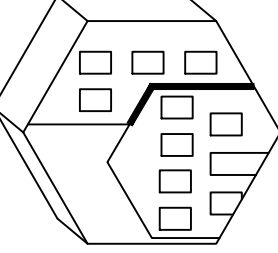
CALIBER HOMES, INC.
 THOMAS WALTER
 PH. 321-258-5482

ENGINEER OF RECORD
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 4707 WILD TURKEY ROAD
 MIMS, FLORIDA 32754
 FLORIDA PE# 47515
 PH. 321-863-3223

AI
 SHEET 1 OF 12
 DRAWN BY:
 DANIEL FRECHETTE

REVISIONS	
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▲	
▲	
▲	

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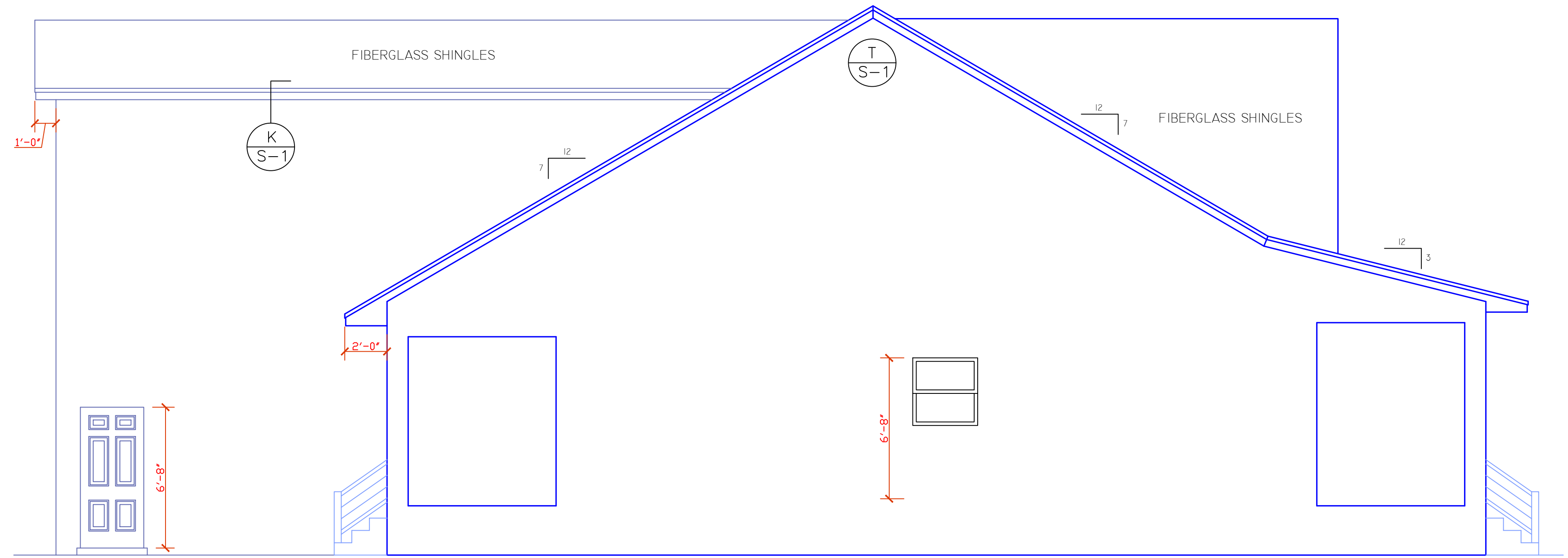
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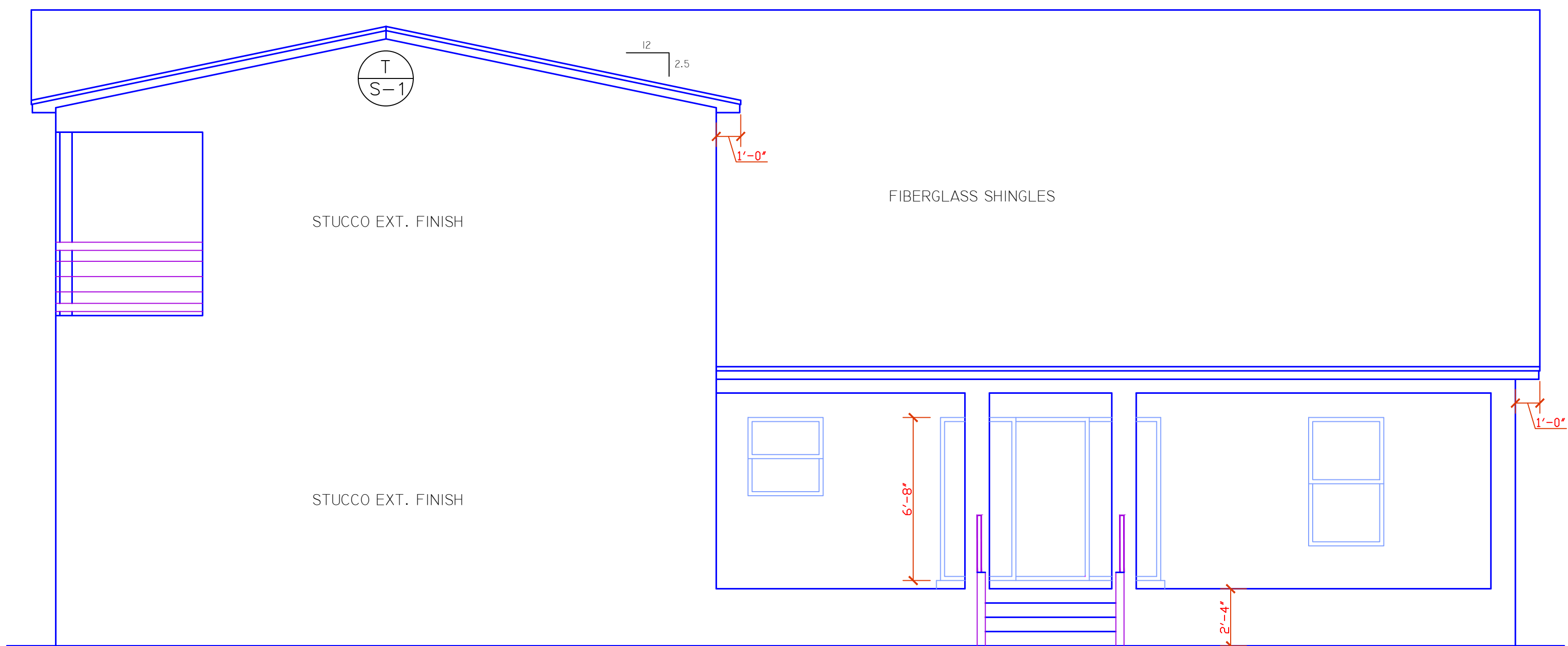
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A2
 SHEET 2 OF 12
 DRAWN BY:
 DANIEL FRÉCHETTE



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



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

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REVISIONS	
3-2-21	

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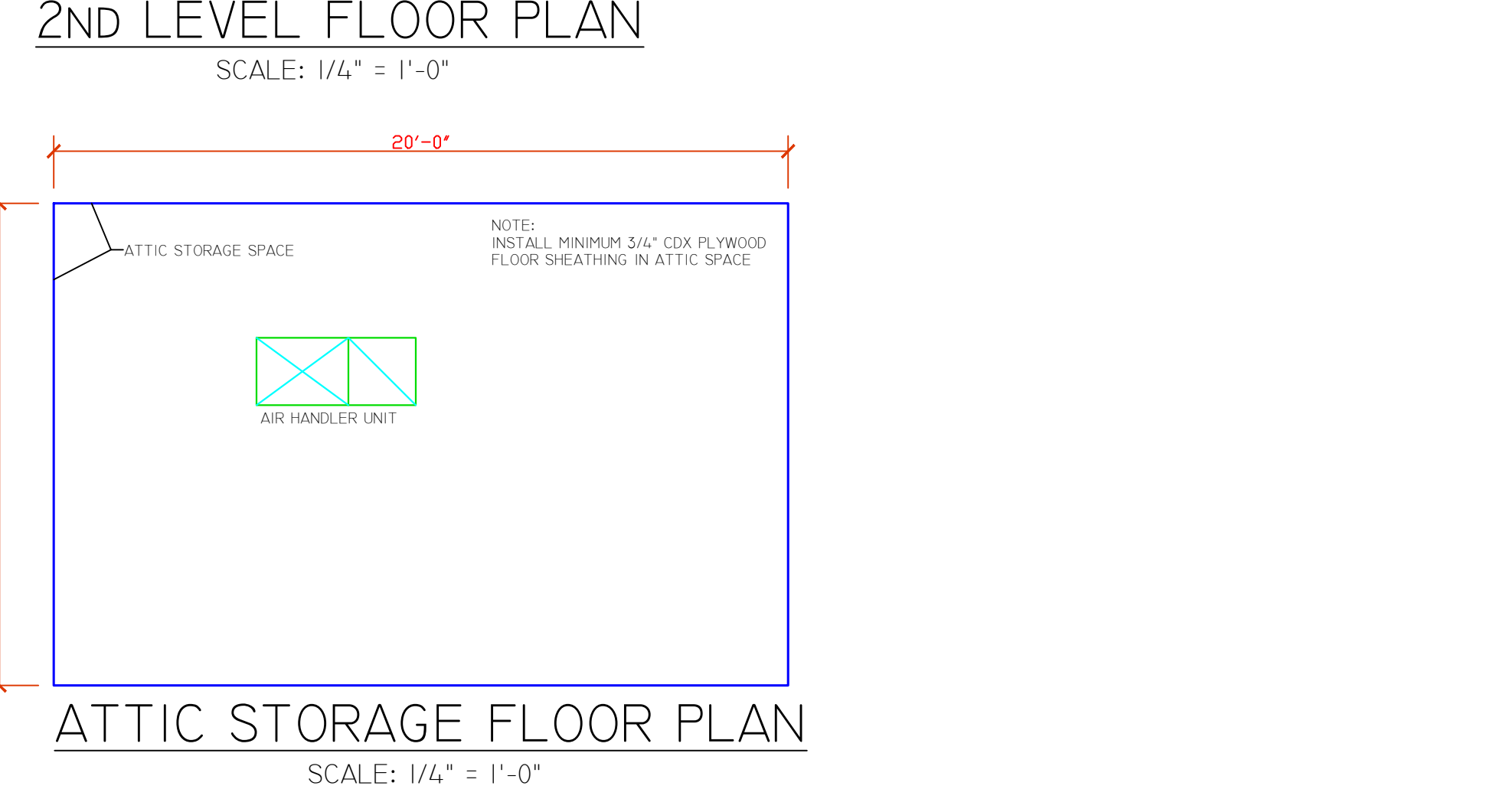
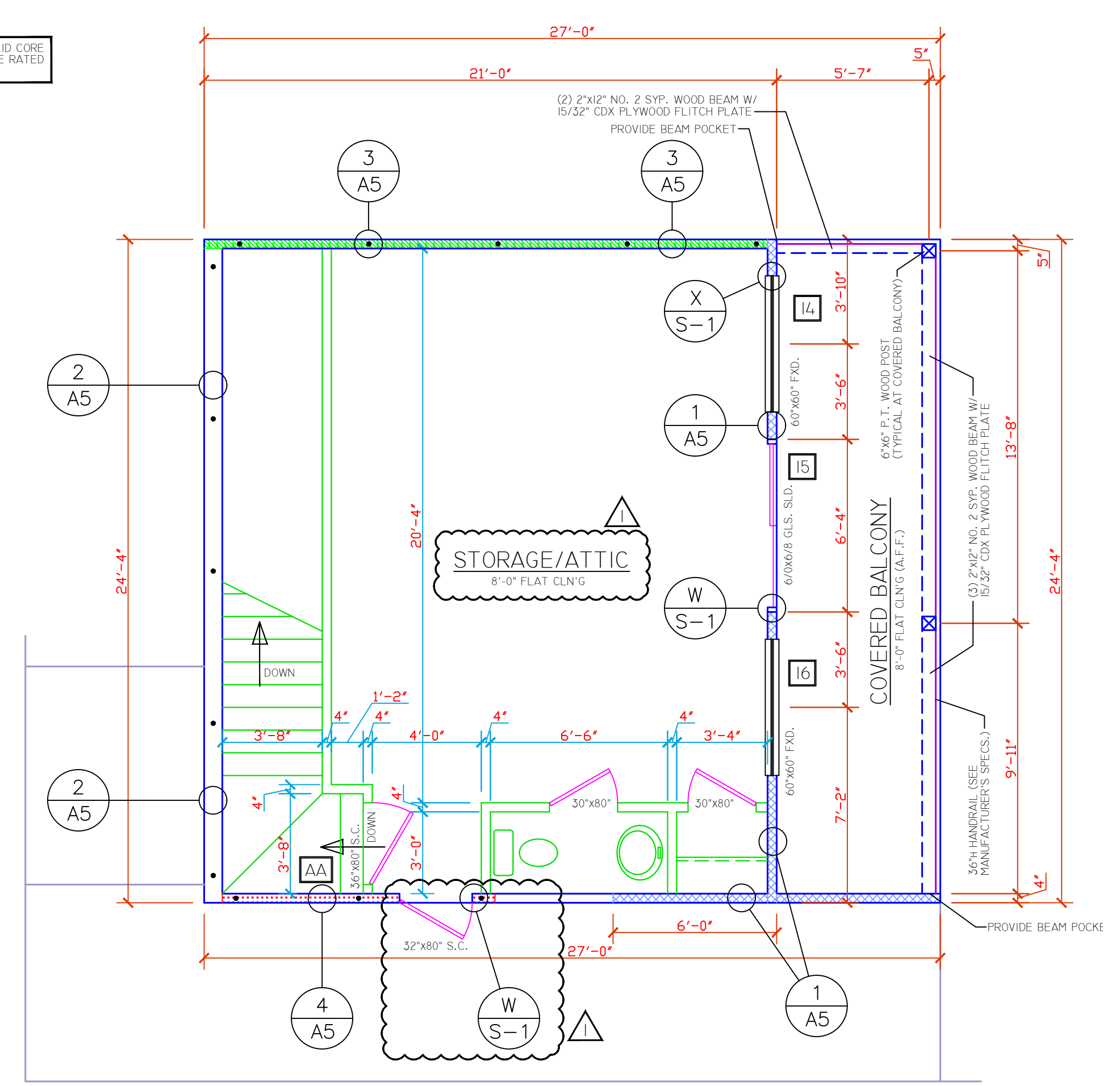
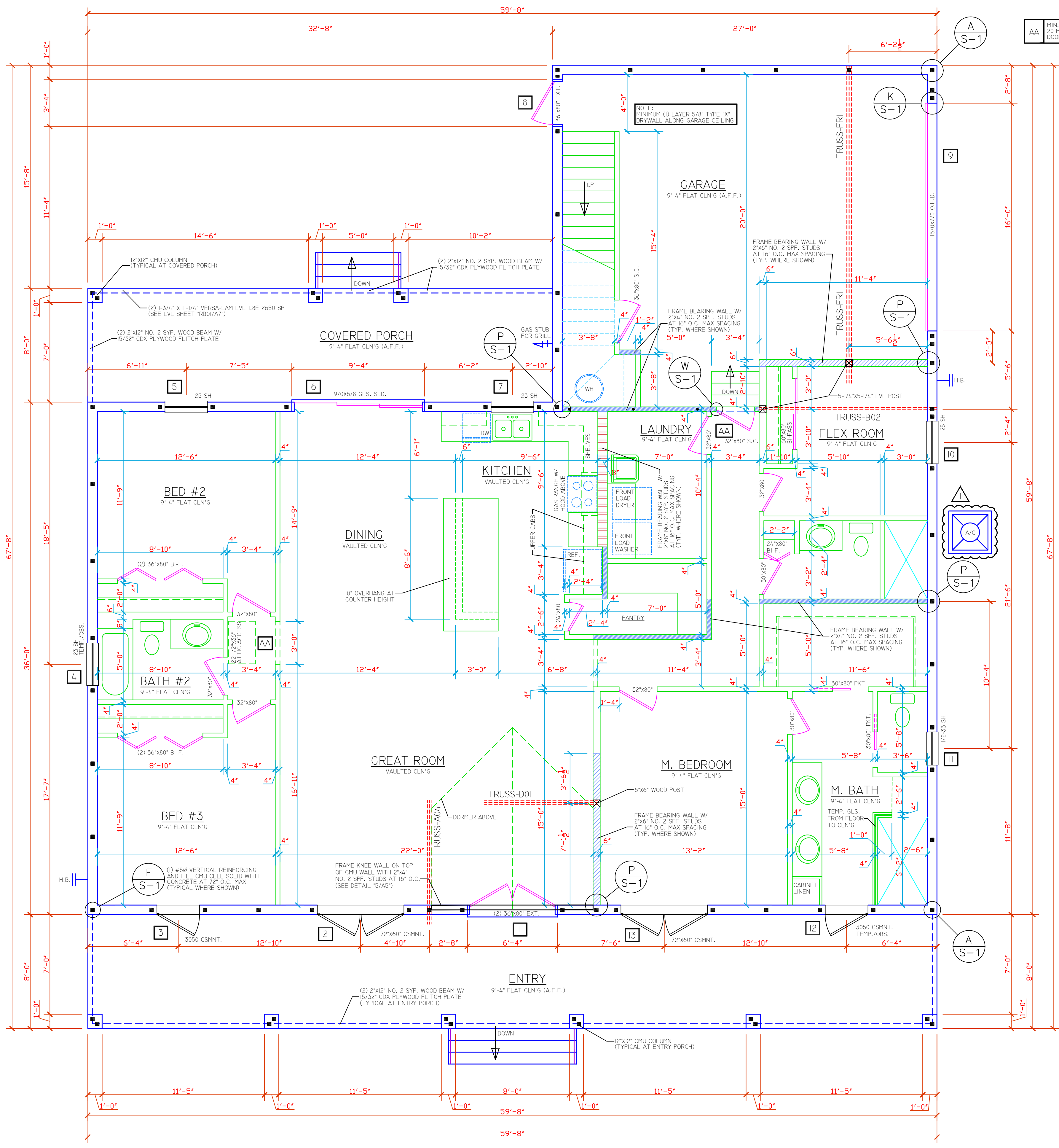
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SHEET 3 OF 12
DRAWN BY:
DANIEL FRECHETTE

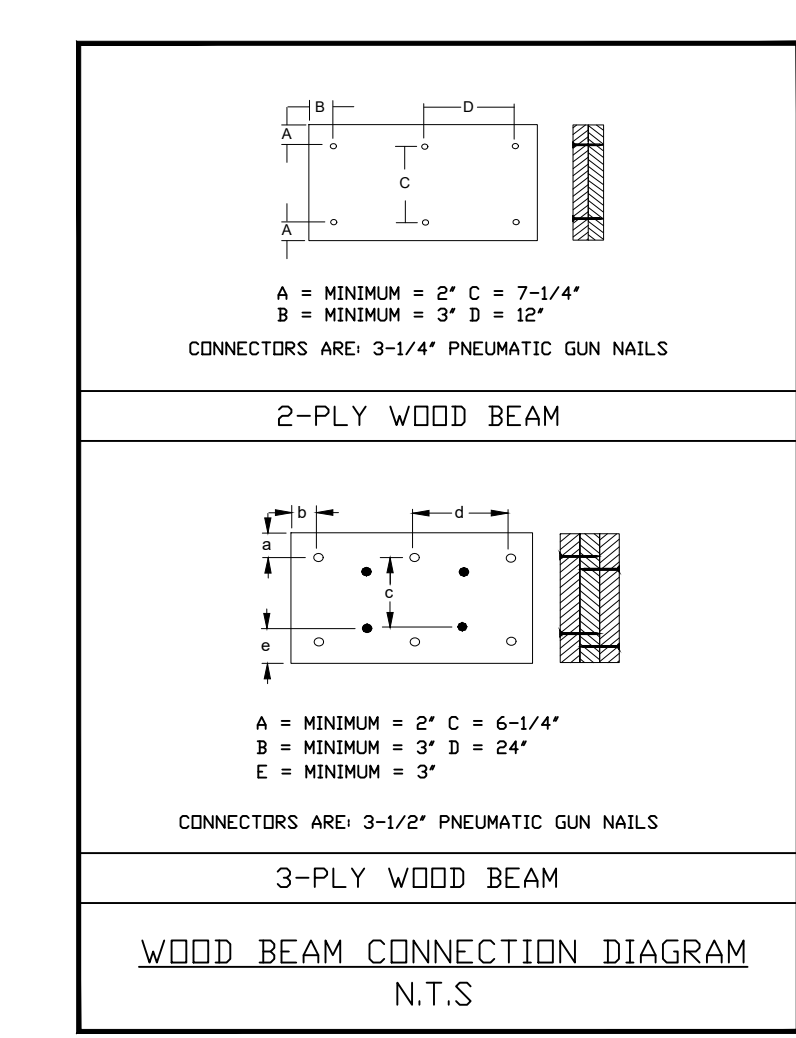
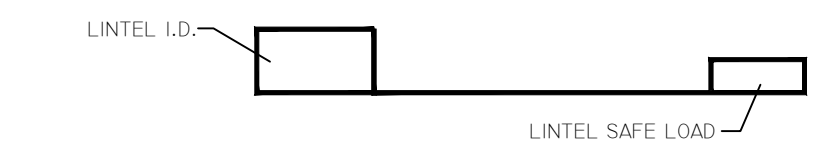


AREA TABULATION (3-1-21)

LIVING	2285 SQ.FT.
ATTIC STORAGE	406 SQ.FT.
ENTRY	477 SQ.FT.
COVERED PORCH	261 SQ.FT.
COVERED BALCONY	146 SQ.FT.
GARAGE	502 SQ.FT.
TOTAL	4083 SQ.FT.

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SAFE GRAVITY LOADS FOR 8" PRECAST & PRESTRESSED U-LINTELS									
SAFE LOAD - POUNDS PER LINEAR FOOT									
LENGTH	TYPE	8U8	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B
L-4	2'-10" (34") PRECAST	2231	3069	4605	6113	7547	8974	10394	11809
L-4	3'-6" (42") PRECAST	2231	3069	4605	6113	7547	8974	10394	11809
L-4	4'-0" (48") PRECAST (RECESSED LINTEL)	1966	2561	3701	4820	5920	7004	8074	9137
L-4	4'-0" (48") PRECAST	1966	2561	3701	4820	5920	7004	8074	9137
L-6	4'-6" (54") PRECAST	1599	2100	2931	3753	4576	5400	6227	7057
L-4	5'-4" (64") PRECAST	1217	1549	2148	2746	3344	3941	4538	5135
L-4	5'-10" (70") PRECAST	1062	1451	2022	2593	3164	3734	4304	4874
L-4	6'-6" (78") PRECAST	908	1238	1717	2196	2675	3154	3633	4112
L-1	7'-6" (90") PRECAST	743	1011	1379	1747	2114	2482	2849	3217
L-2	9'-4" (112") PRECAST	554	699	925	1151	1377	1602	1828	2054
L-5	10'-6" (126") PRECAST	475	582	765	948	1131	1314	1497	1680
L-5	11'-4" (136") PRECAST	362	448	589	730	871	1012	1153	1294
L-5	12'-0" (144") PRECAST	337	415	537	659	781	902	1024	1145
L-5	13'-4" (160") PRECAST	296	362	465	567	670	773	876	979
L-5	14'-0" (168") PRECAST	279	342	436	530	624	718	812	906
L-5	14'-8" (176") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-5	15'-4" (184") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	17'-4" (208") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	19'-4" (232") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	21'-4" (256") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	22'-0" (264") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	24'-0" (288") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.



SPECIFICATIONS

ENGINEERING

PRODUCT DESCRIPTION
High strength precast concrete lintels designed to be unfilled or filled to form a composite reinforced beam using concrete masonry units.

MATERIALS

- Pc of precast lintels = 2000 psi
- Pc of prestressed, 6" and 12" precast lintels = 6000 psi
- Pc of precast lintels = 3000 psi
- Grad per ASTM C618 (Type I) = 2000 psi w/ minimum 3/8 inch aggregate and # 8 to 11 inch slabs.
- Concrete masonry units (CMU) per ASTM C90 with minimum net area compressive strength = 1500 psi
- Rebar per ASTM A630 Grade 60
- Prestressing strand per ASTM A416 Grade 270 low relaxation
- #32 mesh wire per ASTM A438
- Mortar per ASTM C270 Type N or S

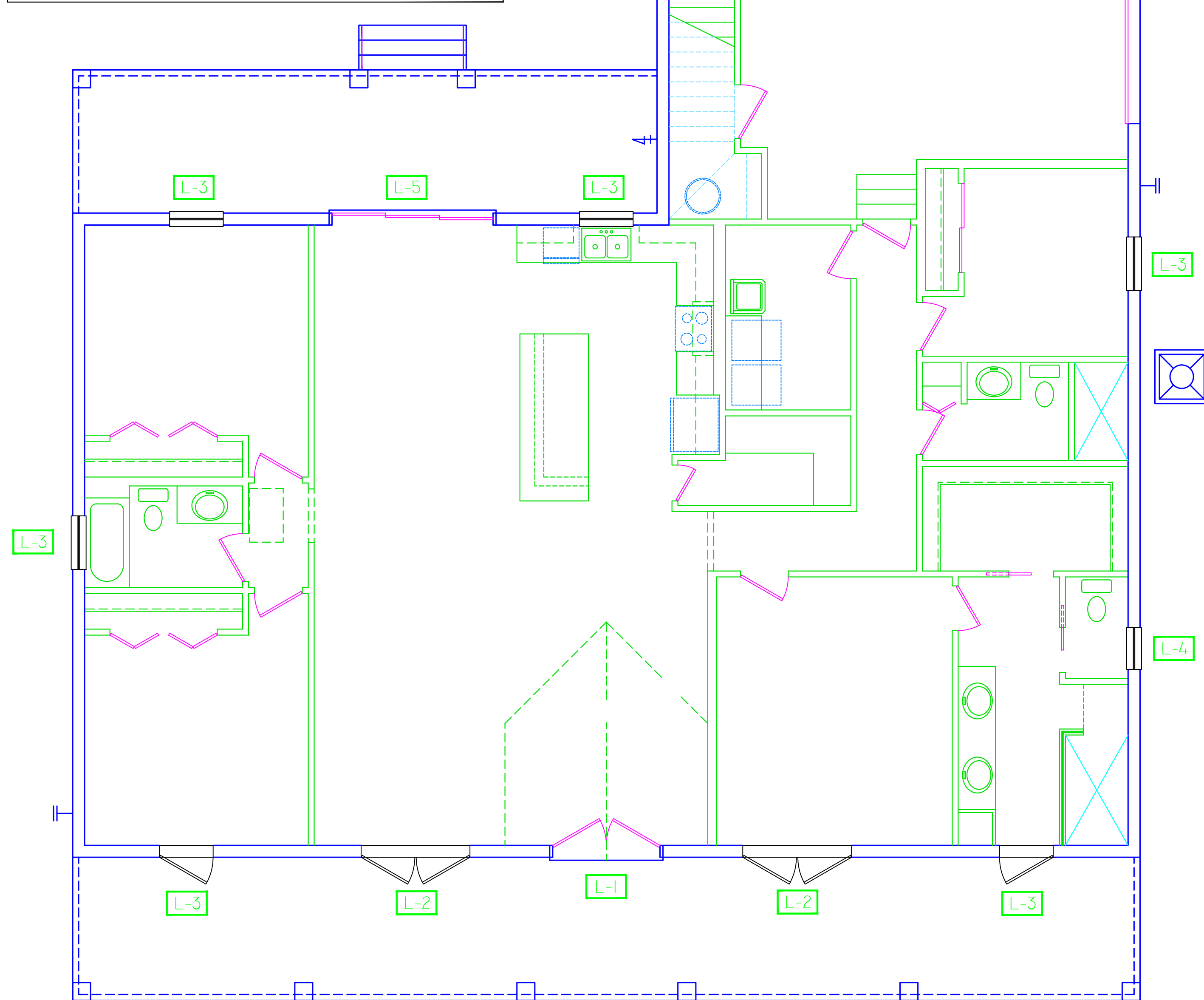
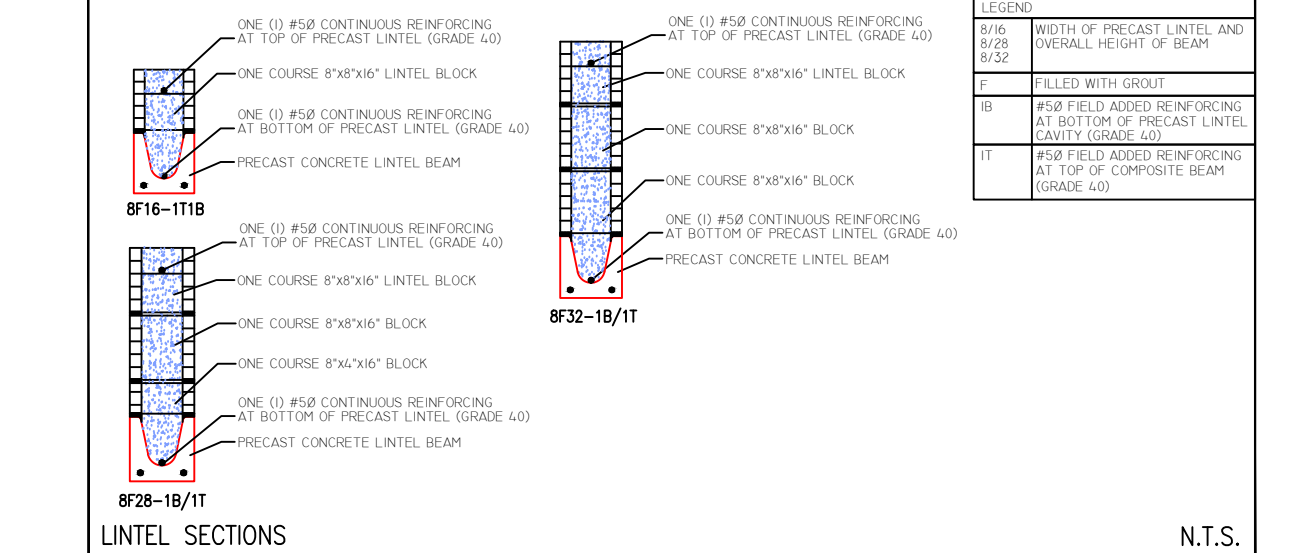
GENERAL NOTES

- Provide full mortar head and bed joints.
- Shore filled lintels as required.
- Installation of lintel must comply with architectural and/or structural drawings.
- U-Lintels are manufactured with 5-1/2 inch long notches at ends to accommodate vertical cell reinforcing and grouting.
- Reference the OMS/DEEL Load Deflection Graph Brochure for lintel deflection information.
- Bottom field added rebar to be located at the bottom of lintel cavity.
- 7/32 inch diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
- Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
- Safe load ratings based on rational design analysis per ACI 308 and ACI 308.5.
- Product Approval: Non-Beam Castly, Florida Inc. 01-002626 and 01-002624, Florida Certificate of Product Approval number FL508.
- The exterior surface of lintels included in exterior concrete masonry walls shall have a coating of stucco applied in accordance with ASTM C936 or other approved coating.
- Lintels loaded shall comply with vertical (gravity or uplift) and horizontal (lateral) loads. These loads should be checked for the combined loading with the following equation:
Applied vertical load + Applied horizontal load ≤ Safe vertical load + Safe horizontal load

SAFE LOAD TABLE NOTES

- All values based on minimum 4 inch nominal bearing. Exception: Safe loads for unfilled lintels must be reduced by 20% if bearing length is less than 6-1/2 inches.
- NR = Not Rated.
- Safe loads are superimposed allowable load.
- Safe loads based on Grade 40 or Grade 60 field rebar.
- Additional lateral load capacity can be obtained by the designer by providing additional reinforced masonry above the precast lintel. See Reinforced CMU on Page 4.
- The #7 rebar may be substituted for the #6 rebar in 8" lintels only.
- The designer may utilize concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at a distance from the face of support.
- For composite lintel heights not shown, use safe load from next lower height.
- For lintel lengths not shown, use safe load from next longest length.
- All safe loads in units of pounds per linear foot.
- All safe loads based on simply supported span.
- The number in the parenthesis indicates the percent reduction for grade 40 field added rebar.
- Example: 7'-6" lintel Type 8F30-18 safe gravity load = 6472 (50) w/ 52% reduction ⇒ 6472 (50) = 3098 (psi)

SAFE UPLIFT LOADS FOR 8" PRECAST & PRESTRESSED U-LINTELS									
SAFE LOAD - POUNDS PER LINEAR FOOT									
LENGTH	TYPE	8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	
L-4	2'-10" (34") PRECAST	1972	3173	4460	5747	7034	8321	9608	
L-4	3'-6" (42") PRECAST	1972	3173	4460	5747	7034	8321	9608	
L-4	4'-0" (48") PRECAST (RECESSED LINTEL)	1569	2124	2679	3234	3789	4344	4899	5454
L-4	4'-0" (48") PRECAST	1569	2124	2679	3234	3789	4344	4899	5454
L-6	4'-6" (54") PRECAST	1363	1918	2473	3028	3583	4138	4693	5248
L-4	5'-4" (64") PRECAST	1217	1632	2280	2928	3576	4224	4872	5520
L-4	5'-10" (70") PRECAST	1062	1428	1986	2544	3102	3660	4218	4776
L-4	6'-6" (78") PRECAST	908	1224	1682	2240	2798	3356	3914	4472
L-1	7'-6" (90") PRECAST	743	1011	1379	1747	2114	2482	2849	3217
L-2	9'-4" (112") PRECAST	554	699	925	1151	1377	1602	1828	2054
L-5	10'-6" (126") PRECAST	475	582	765	948	1131	1314	1497	1680
L-5	11'-4" (136") PRECAST	362	448	589	730	871	1012	1153	1294
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L-5	14'-8" (176") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-5	15'-4" (184") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	17'-4" (208") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	19'-4" (232") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	21'-4" (256") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	22'-0" (264") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-7	24'-0" (288") PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.



GENERAL NOTES

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- DO NOT SCALE DRAWINGS

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REVISIONS

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2		
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4		
5		

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-SFR FOR- LOPEZ

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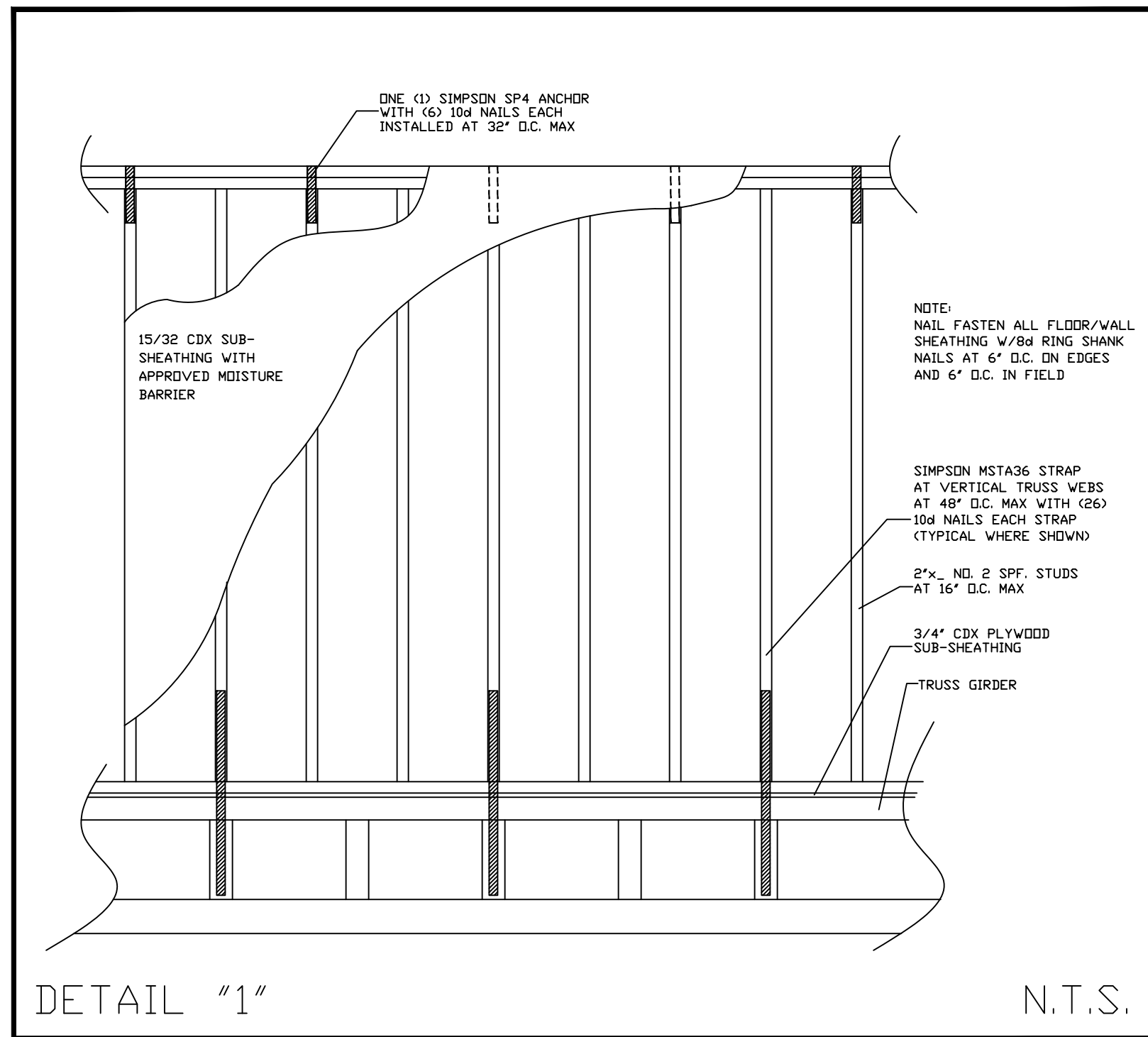
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A4

SHEET 4 OF 12

DRAWN BY:
DANIEL FRECHETTE



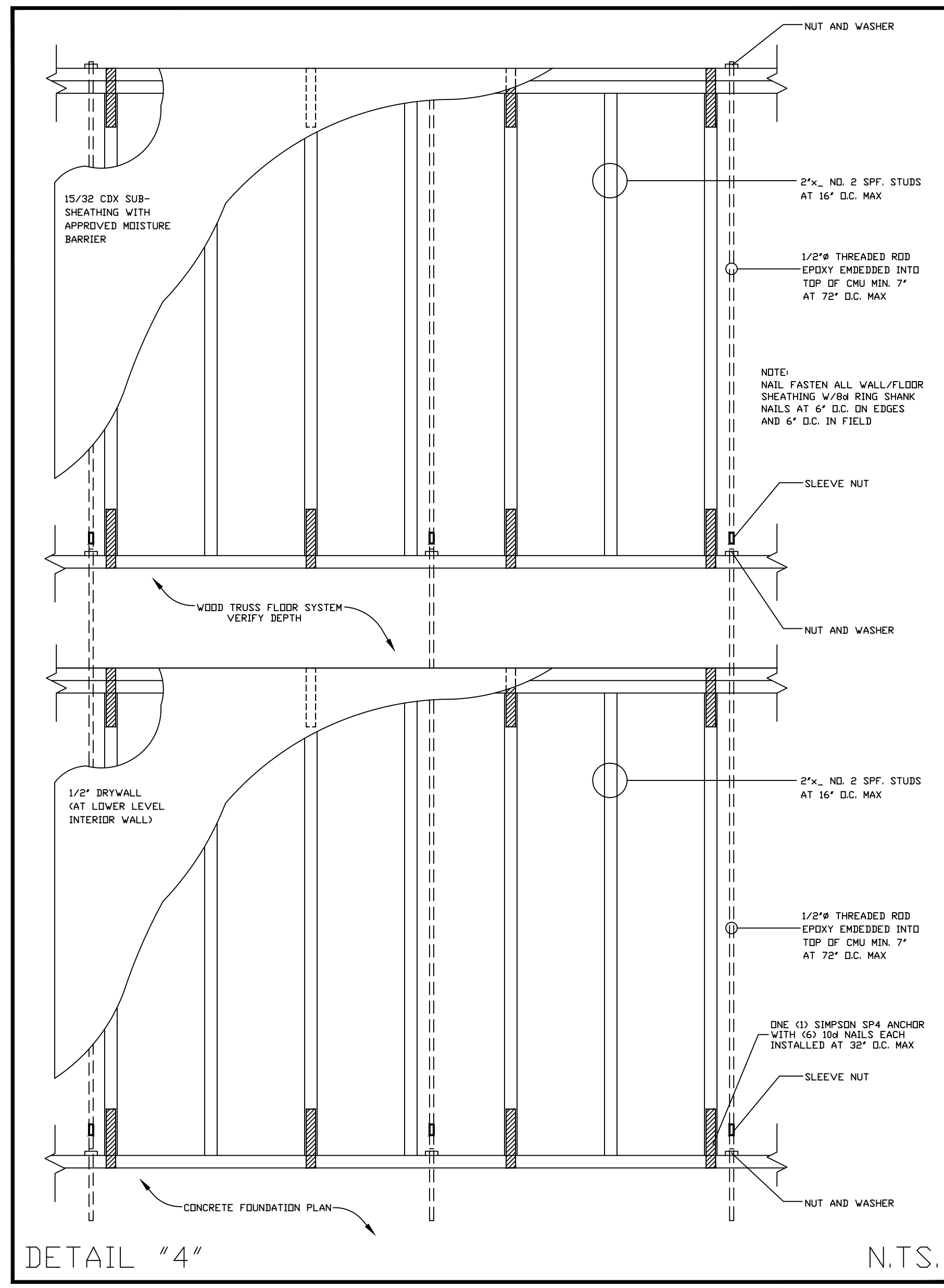
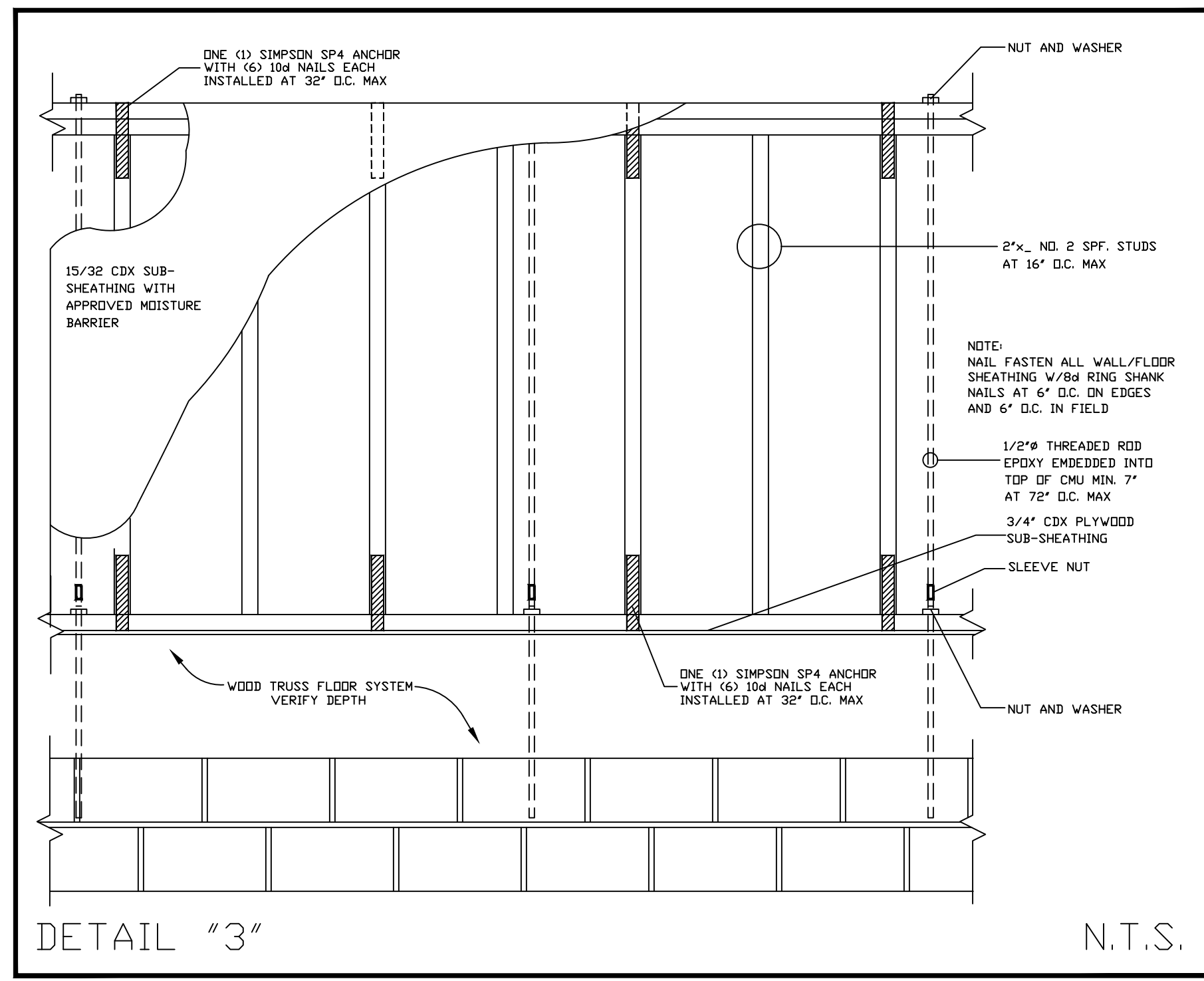
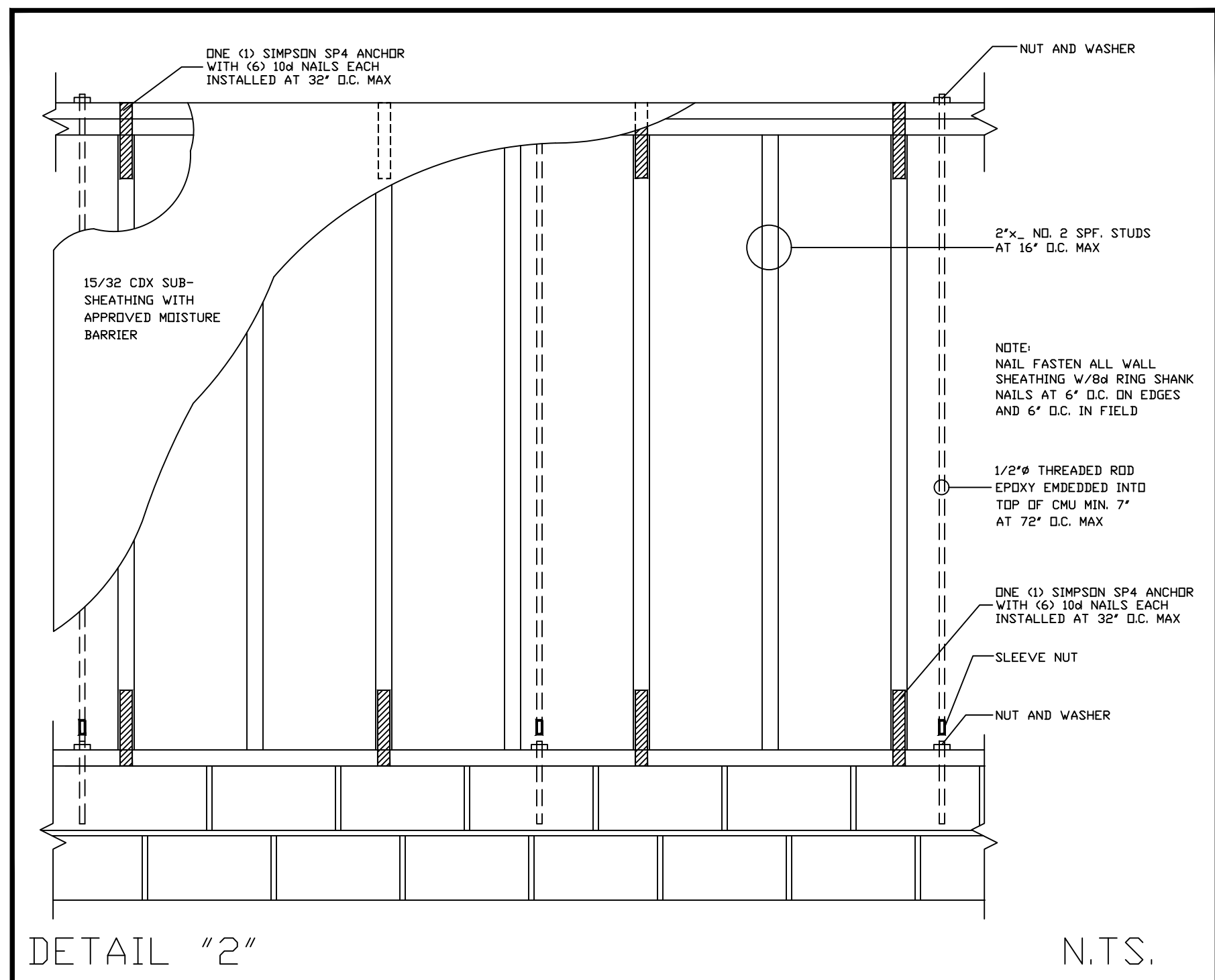
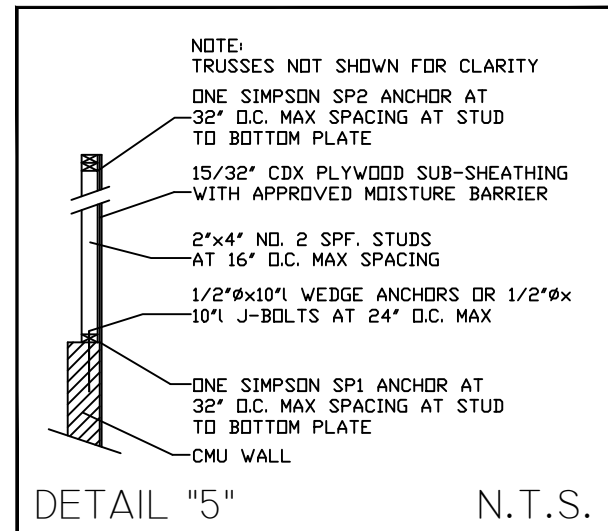
R703.4 FLASHING.
 APPROVED CORROSION-RESISTANT FLASHING SHALL BE APPLIED SHINGLE-FASHION IN A MANNER TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. SELF-ADHERED MEMBRANES USED AS FLASHING SHALL COMPLY WITH AAMA 711. ALL EXTERIOR FENESTRATION PRODUCTS SHALL BE SEALED AT THE JUNCTURE WITH THE BUILDING WALL WITH A SEALANT COMPLYING WITH AAMA 800 OR ASTM C920 CLASS 25 GRADE NS OR GREATER FOR PROPER JOINT EXPANSION AND CONTRACTION, ASTM C1281, AAMA 812, OR OTHER APPROVED STANDARD AS APPROPRIATE FOR THE TYPE OF SEALANT. FLUID-APPLIED MEMBRANES USED AS FLASHING IN EXTERIOR WALLS SHALL COMPLY WITH AAMA 714. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH. APPROVED CORROSION-RESISTANT FLASHINGS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS.

NOTE:
 DRAWINGS INDICATES APPLIED EXTERIOR FINISH OVER APPROVED WATER BARRIER OVER WOOD FRAMING MEMBERS. OWNER IS RESPONSIBLE TO INSTALL ALL REQUIRED SEALANT, FLASHING, ETC. TO MAINTAIN WATERPROOF BARRIER TO PREVENT MOISTURE INFILTRATION INTO STRUCTURE. OWNER IS RESPONSIBLE FOR PERIODIC MAINTAINANCE AND UPKEEP OF EXTERIOR APPLIED FINISH TO MAINTAIN WATERPROOF INTEGRITY TO PREVENT DAMAGE TO INTERIOR COMPONENTS.

NOTE:
 COORDINATE ALL ROUGH PLUMBING LOCATIONS WITH OWNER SELECTED FIXTURES PRIOR TO CONSTRUCTION

NOTE:
 COORDINATE ALL ROUGH OPENINGS FOR EXTERIOR DOORS AND WINDOWS WITH MANUFACTURER'S SPECS.

CABINETRY NOTE:
 CABINET LAYOUT SHOWN AT KITCHEN, BATHROOMS, AND ANY OTHER LOCATIONS ARE DIAGRAMMATIC ONLY. COORDINATE FINAL CABINET DESIGN W/OWNER/BUILDER PRIOR TO ANY FABRICATION/INSTALLATION



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 4. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.
- DO NOT SCALE DRAWINGS

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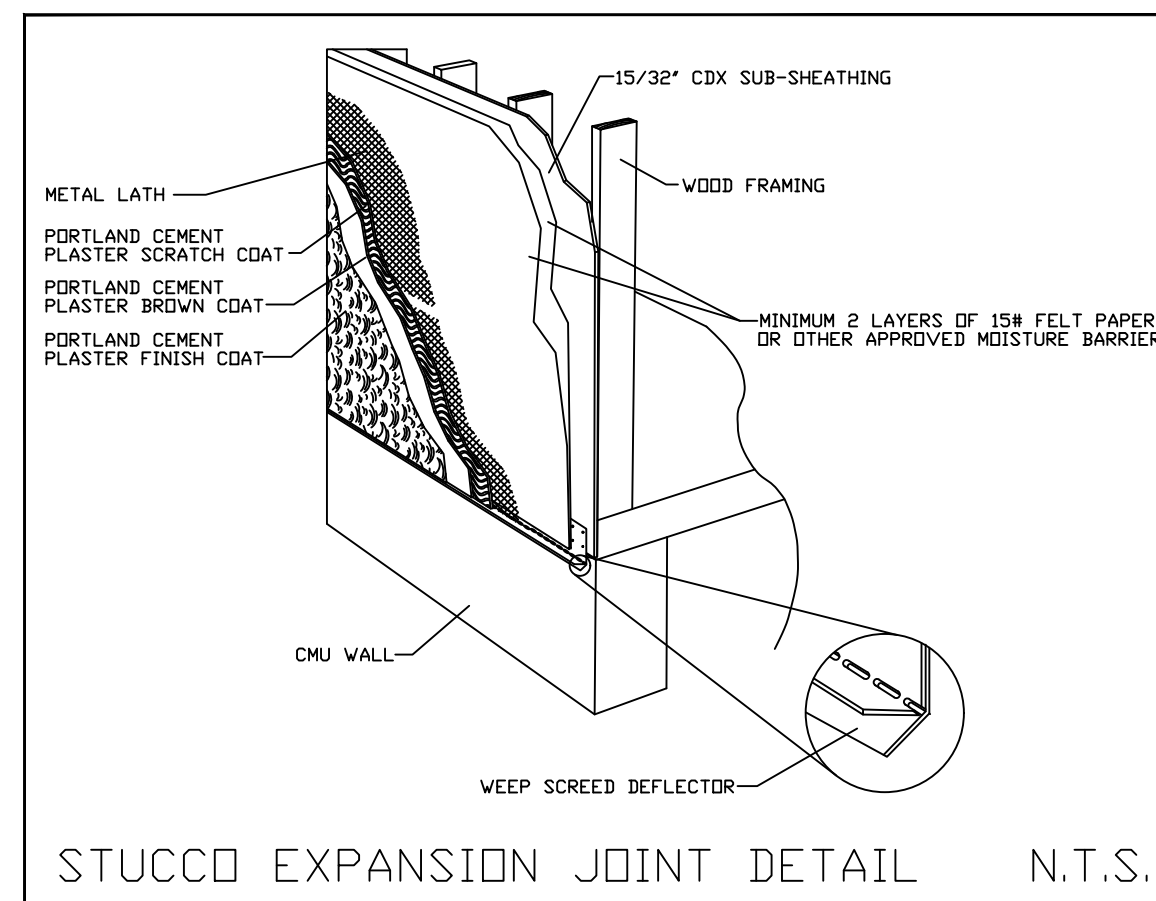
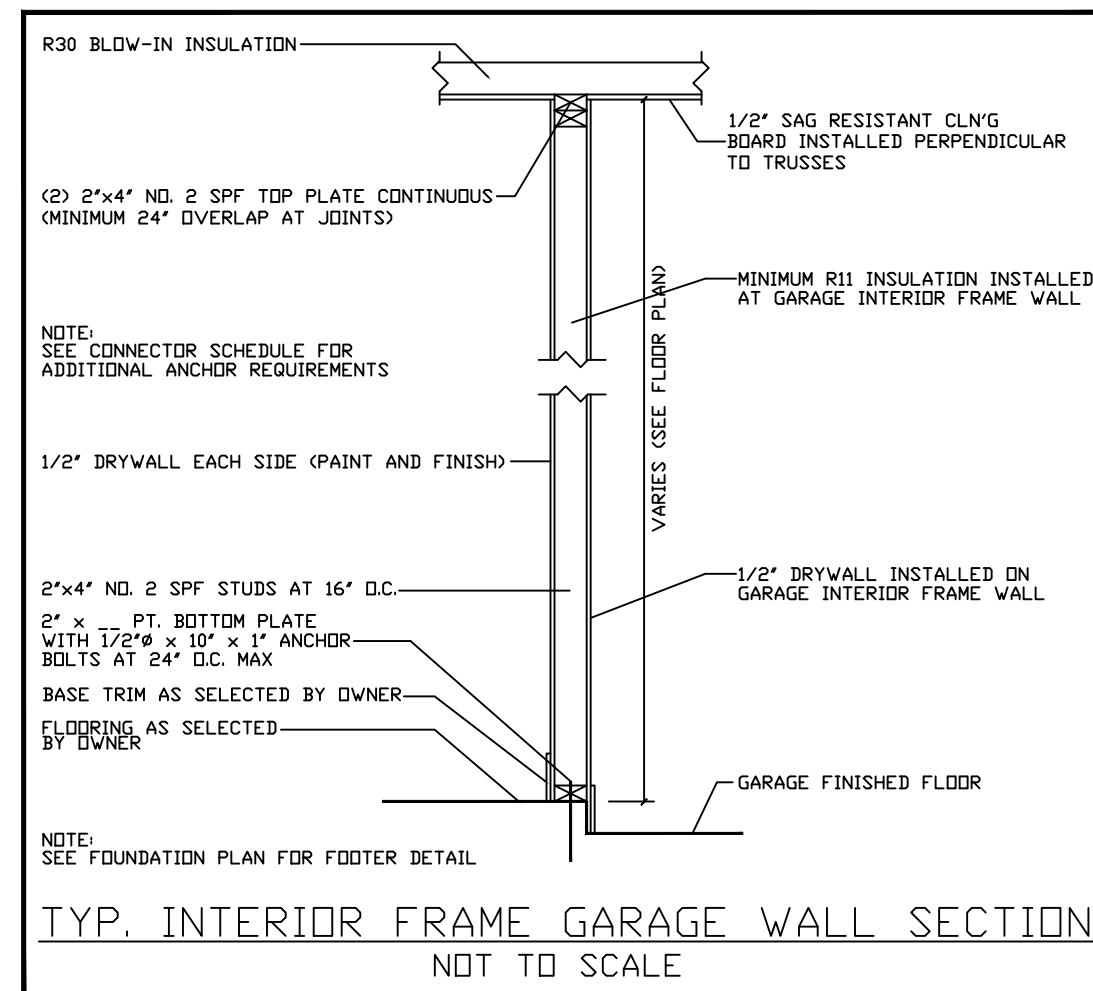
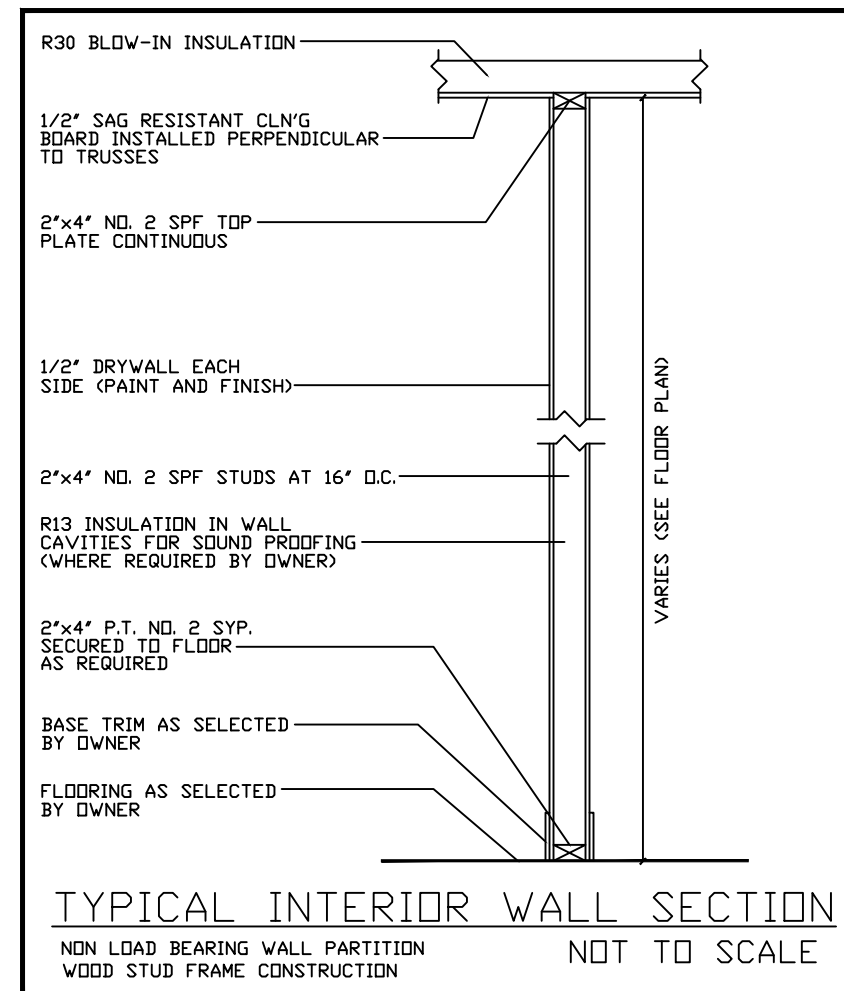
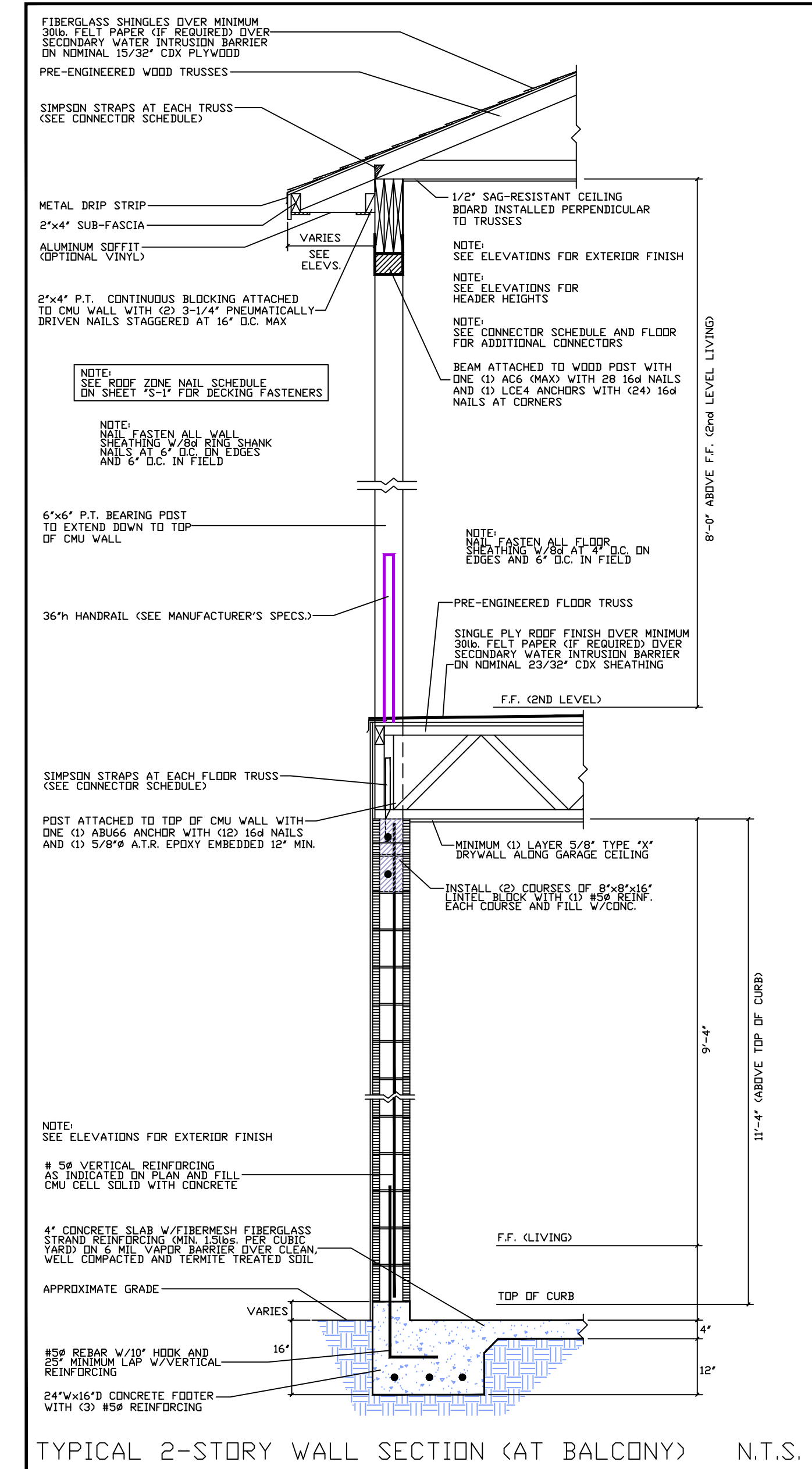
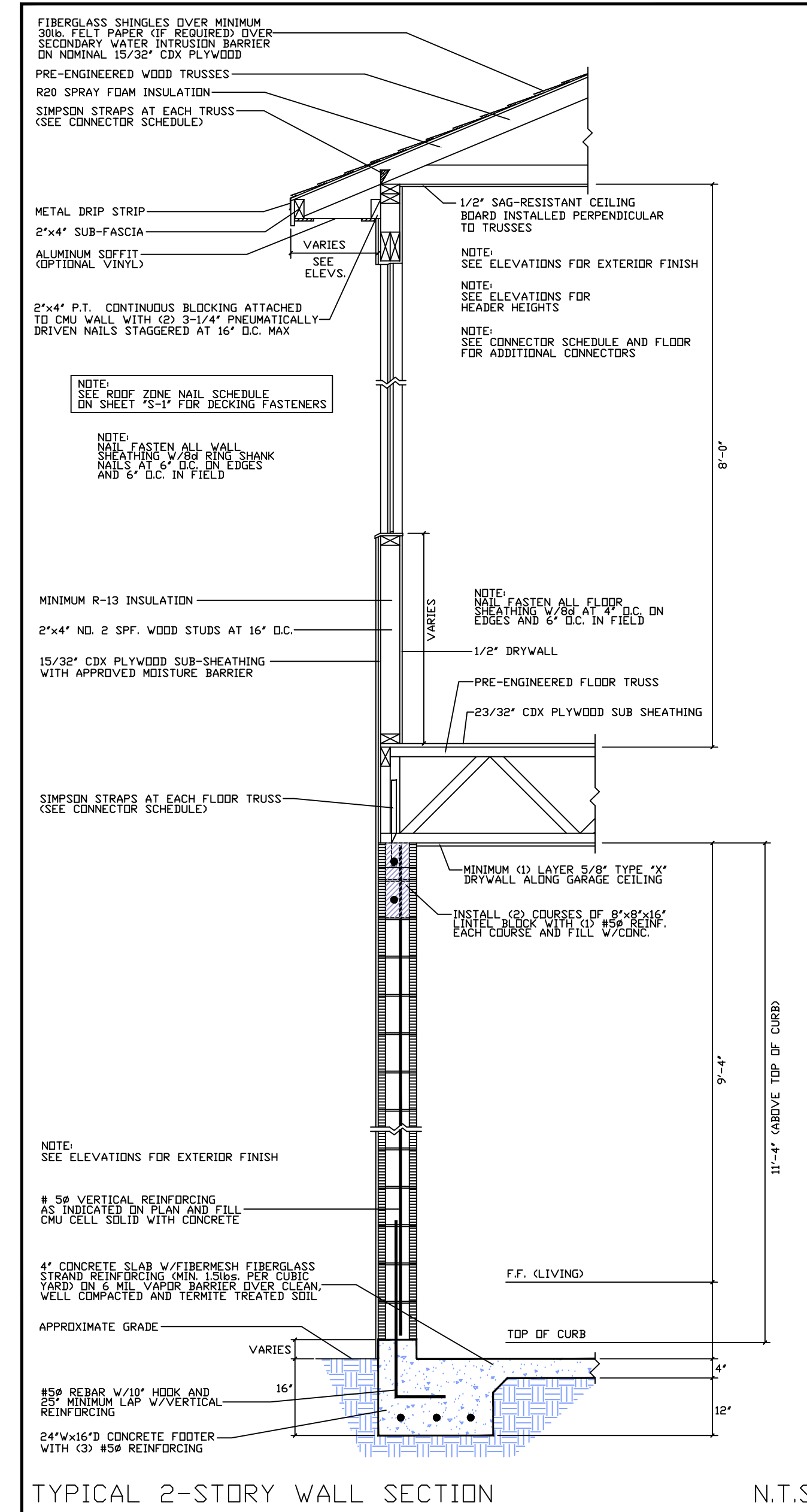
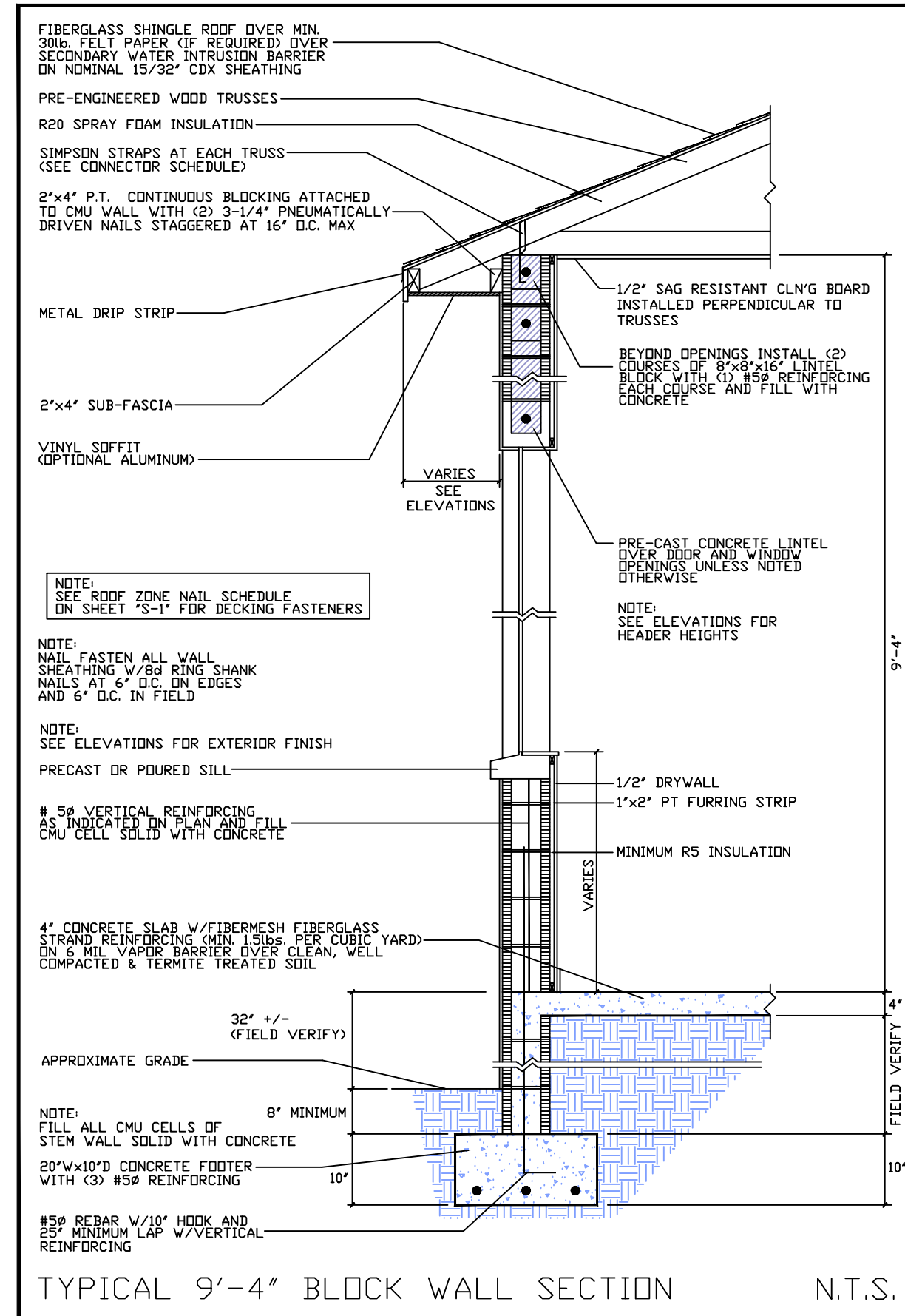
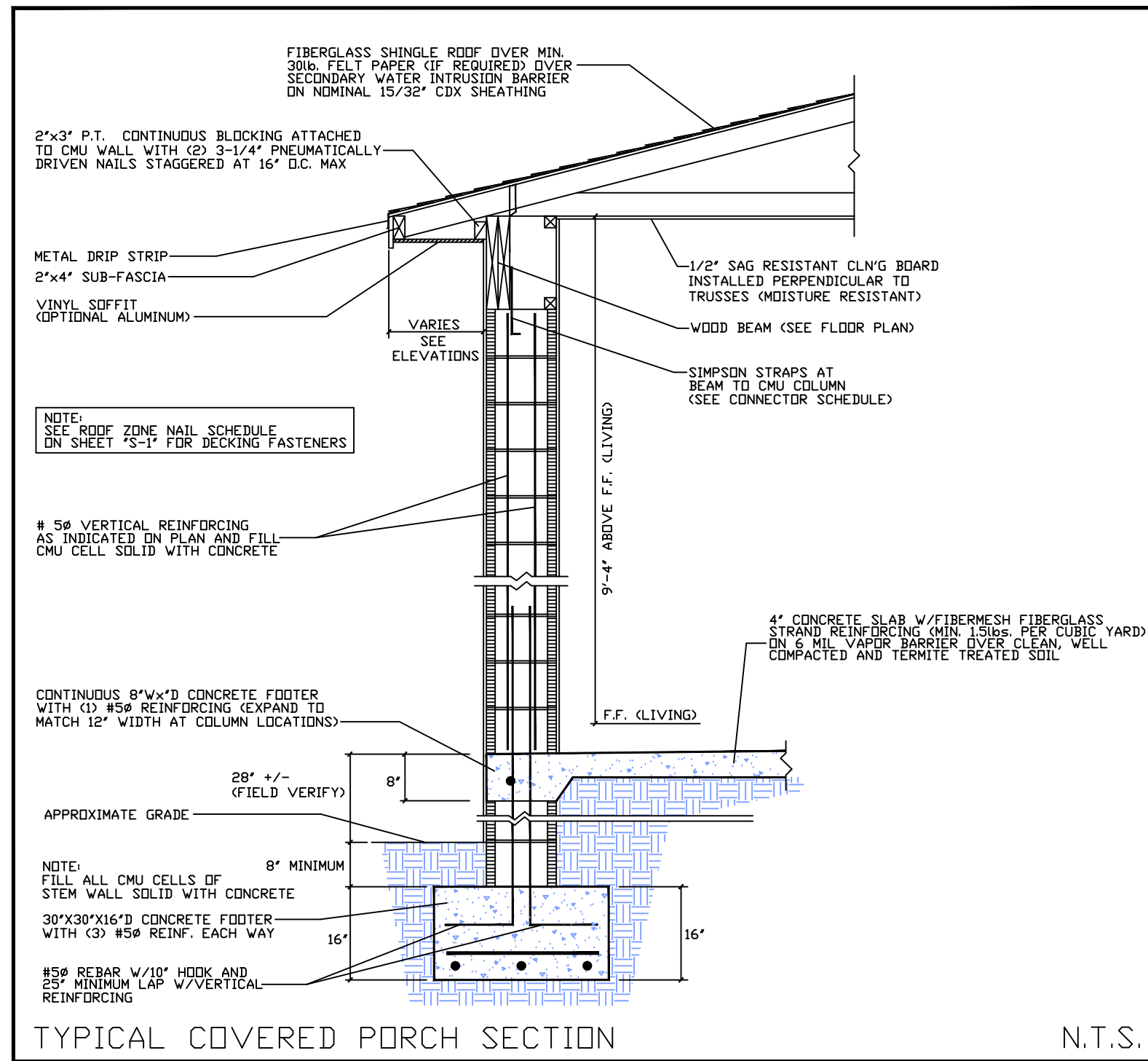
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A5
 SHEET 5 OF 12
 DRAWN BY:
 DANIEL FRECHETTE



WINDOW AND DOOR BUCK INSTALLATION (MASONRY)

MASONRY	TAP-CONS	PAF'S	PDV'S
BUCK TO HEAD AND JAMB			
UP TO 8'-0"	3/16" @ 16" O.C.	.145 @ 8" O.C.	.120 @ 6" O.C.
8'-1" TO 10'-0"	3/16" @ 12" O.C.	.145 @ 6" O.C.	.120 @ 6" O.C.
10'-1" TO 12'-0"	3/16" @ 8" O.C.	.145 @ 4" O.C.	.120 @ 4" O.C.
12'-1" AND BEYOND	BY DESIGN	BY DESIGN	BY DESIGN

LEGEND:
 PAF = PDVDR ACTUATED FASTENERS
 PDV = PNEUMATICALLY DRIVEN FASTENERS

NOTES:
 * MAINTAIN 3" EDGE CLEARANCE FOR PAF'S
 * EMBED PAF'S 1.25" MIN. INTO CMU OR CONC.
 * EMBED TAP-CONS 1.50" MIN. INTO CMU OR CONC.

NOTE: WINDOWS AND DOORS SHALL BE ANCHORED PER MANUFACTURERS SPECIFICATIONS

WINDOW AND DOOR BUCK INSTALLATION (FRAME)

FRAME	NAILS	WOOD SCREWS
BUCK TO HEAD AND JAMB		
UP TO 8'-0"	16d @ 4"	# 8 @ 12" O.C.
8'-0" TO 10'-0"	16d @ 3"	# 8 @ 8" O.C.
10'-0" TO 12'-0"	16d @ 3"	# 8 @ 6" O.C.
12'-0" AND BEYOND	BY DESIGN	BY DESIGN

NOTE: IF DOOR/WINDOW BUCK IS LESS THAN 1-1/2" DOOR/WINDOW MUST BE ANCHORED THROUGH JAMB INTO THE STRUCTURAL SUBSTRATE

NOTE: WINDOWS AND DOORS SHALL BE ANCHORED PER MANUFACTURERS SPECIFICATIONS

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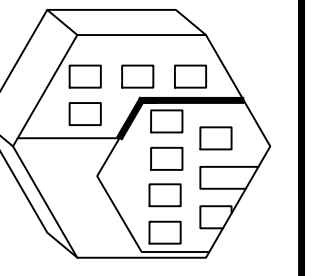
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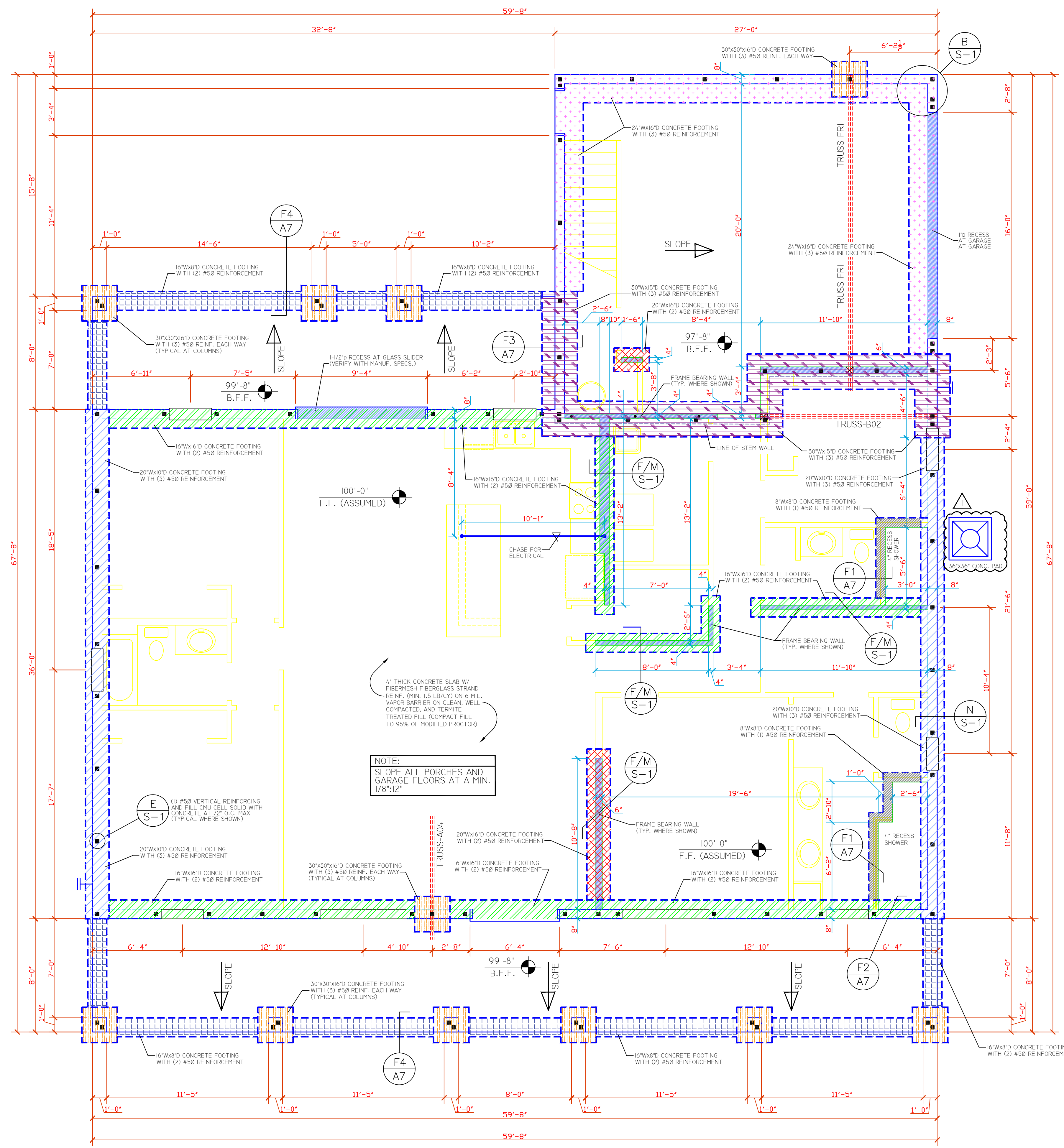
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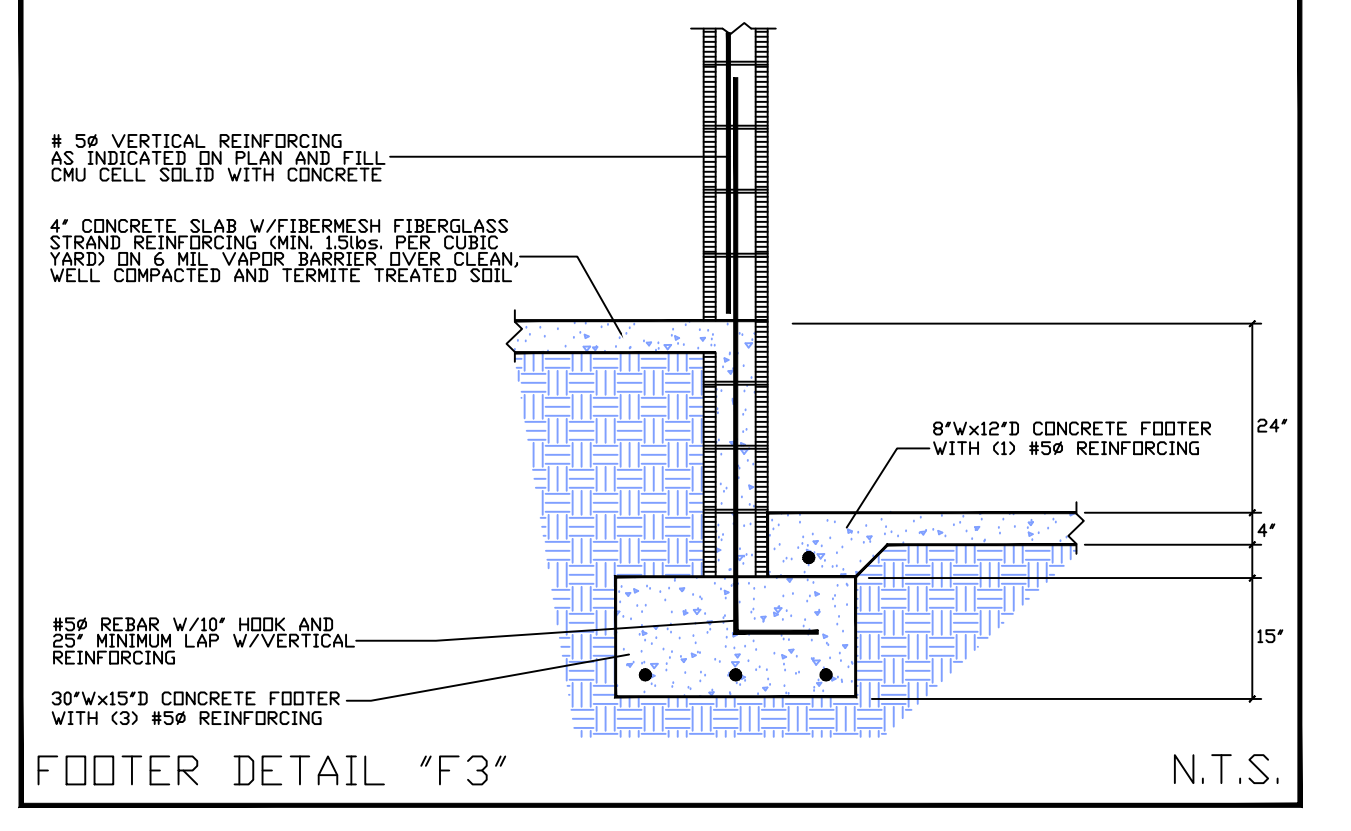
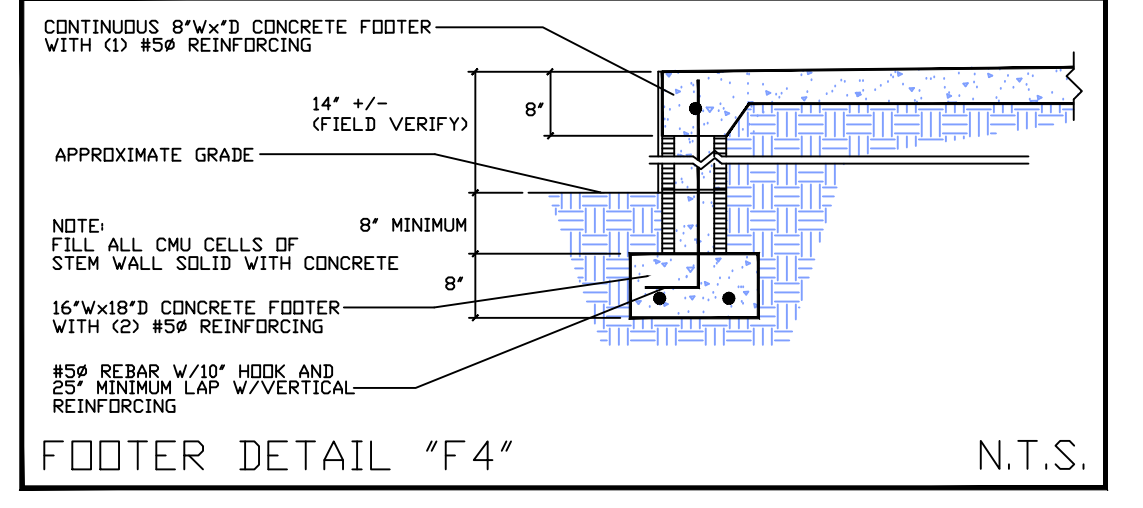
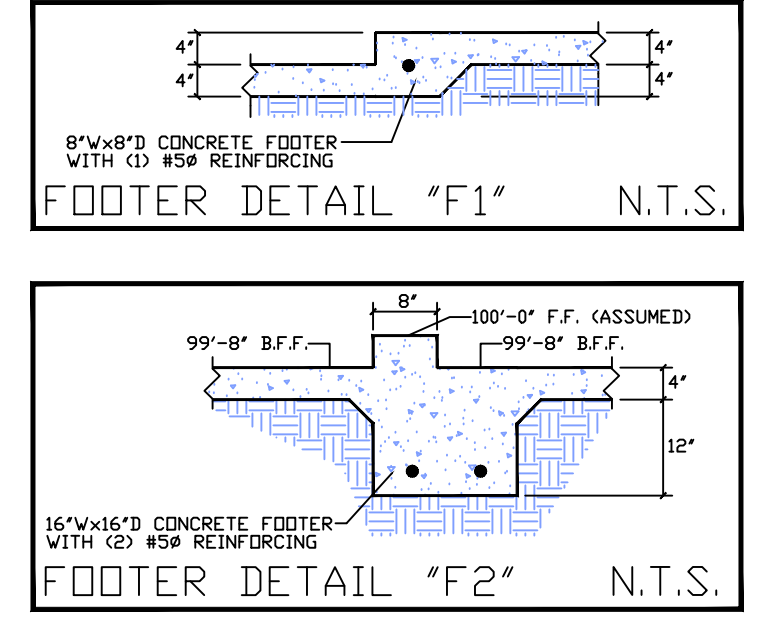
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A6
 SHEET 6 OF 12
 DRAWN BY:
 DANIEL FRECHETTE



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

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SITE PREPARATION NOTES:

THE PROPOSED BUILDING AREA, PLUS A MINIMUM MARGIN OF FIVE FEET BEYOND THE PROPOSED BUILDING LIMITS SHALL BE STRIPPED AND GRUBBED OF SURFACE DEBRIS, INCLUDING VEGETATION, ROOTS AND ORGANIC MATTER AND ANY REMNANTS OF PREVIOUS CONSTRUCTION SUCH AS OLD FOOTINGS AND SLABS.

THE BUILDING AND PAVEMENT AREAS SHALL BE FILLED TO THE DESIRED GRADES. THE HORIZONTAL PORTION OF THE BUILDING PAD SHALL EXTEND A MINIMUM FIVE FEET BEYOND THE BUILDING AND PAVEMENT AREAS. CLEAN IMPORTED FILL MATERIAL SHALL BE PLACED IN MAXIMUM LOOSE LAYERS OF 12 INCH LIFTS IN THICKNESS. EACH LIFT SHALL BE COMPACTED TO 95% OF A MODIFIED PROCTOR.

FIELD DENSITY TESTS AND ON-SITE INSPECTION ARE REQUIRED TO BE PERFORMED, BY A STATE OF FLORIDA LICENSED GEOTECHNICAL ENGINEER, AT APPROPRIATE TIMES DURING THE EARTH WORK OPERATIONS IN ORDER TO VERIFY THAT THE SITE PREPARATIONS HAVE BEEN PROPERLY CONSTRUCTED. A MINIMUM SOIL BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT IS REQUIRED.

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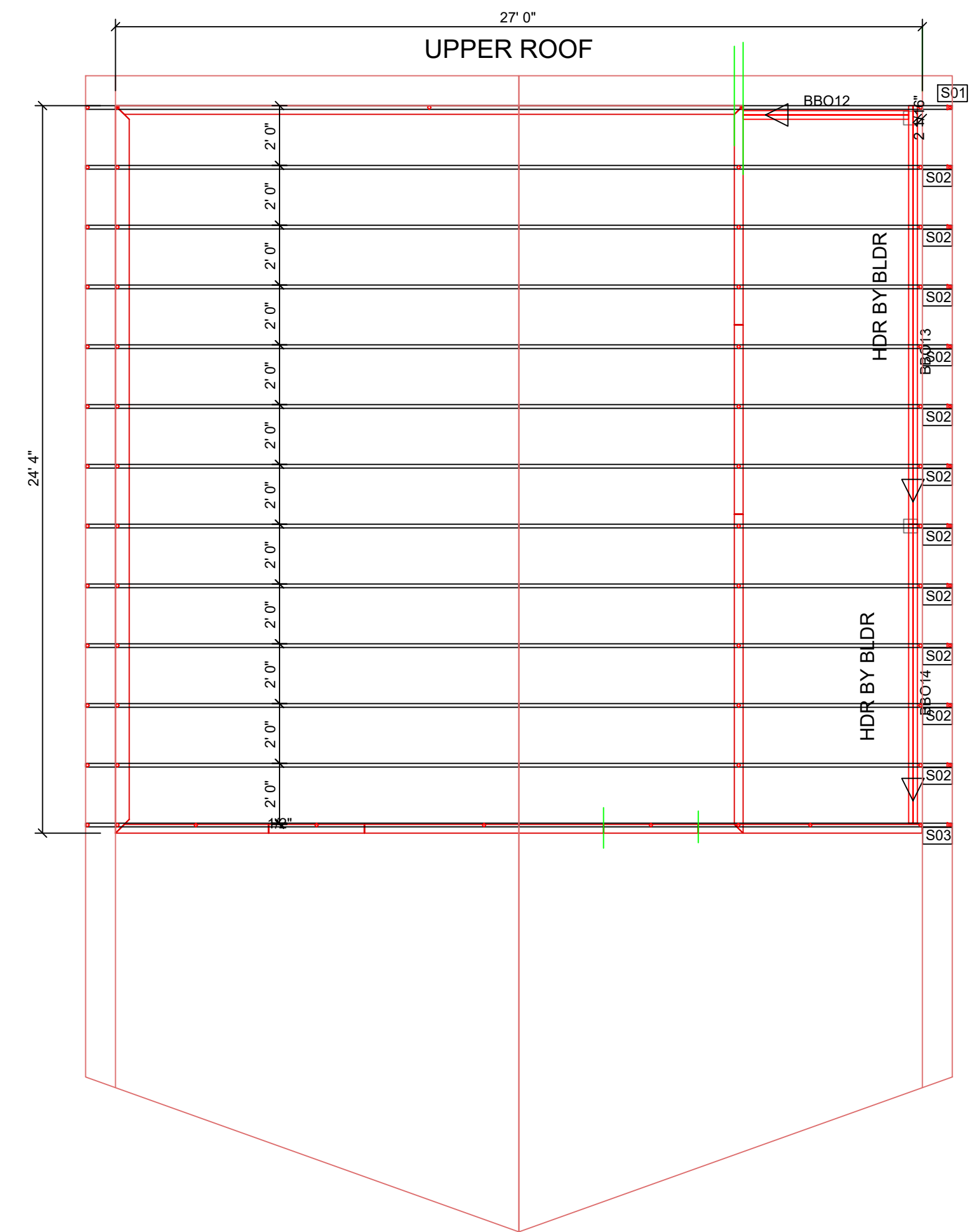
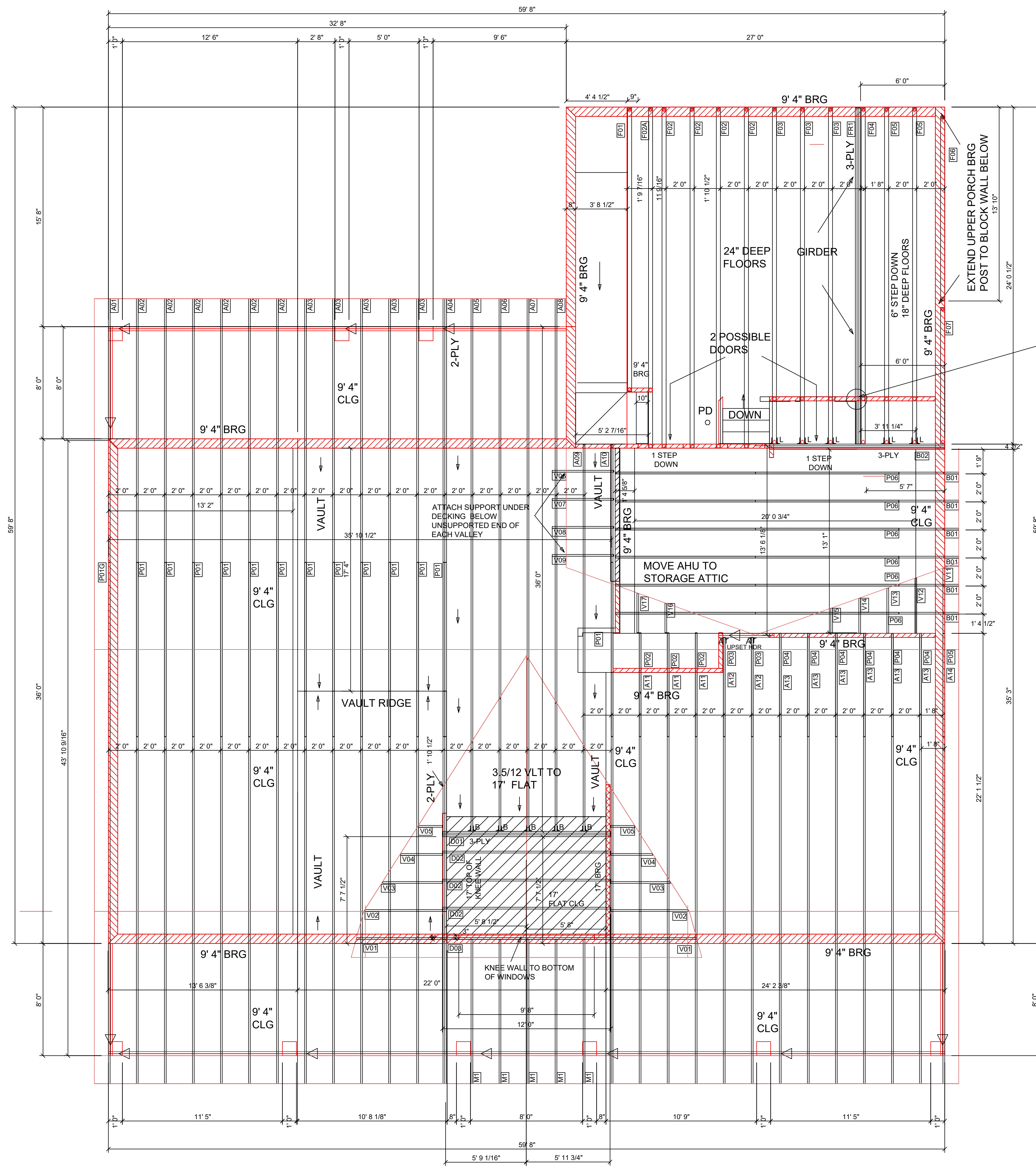
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A7
SHEET 7 OF 12
DRAWN BY:
DANIEL FRECHETTE



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NOTE:
 TRUSS LAYOUT DESIGN AND CERTIFICATION BY STATE OF FLORIDA LICENSED SPECIALTY TRUSS ENGINEER. ENGINEER OF RECORD DOES NOT CERTIFY TRUSS DESIGN/LAYOUT AS DEPICTED ON THESE DRAWINGS. ALL TRUSS TO TRUSS CONNECTIONS, INCLUDING TRUSSES TO GIRDERS (HANGERS) SHALL BE PROVIDED BY TRUSS COMPANY

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Truss	Qty	Span	Reactions																													
A01	1	52' 0"	224.31 lb	220.89 lb	160.07 lb	178.66 lb	175.11 lb	176.35 lb	174.85 lb	180.63 lb	184.33 lb	181.02 lb	183.11 lb	147.89 lb	148.86 lb	131.71 lb	136.34 lb	244.65 lb	-94.46 lb	-154.59 lb	-119.48 lb	-129.01 lb	-123.80 lb	-141.89 lb	-69.82 lb	0.00 lb	102.13 lb	-62.41 lb	-53.80 lb	-94.27 lb	65.86 lb	0.00 lb

Truss	Qty	Span	Reactions																													
F07	1	9' 9"	89.72 lb	133.91 lb	150.01 lb	145.57 lb	147.65 lb	142.63 lb	160.34 lb	93.62 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb	0.00 lb

CONNECTOR SCHEDULE

TRUSS ID/DESCRIPTION:	CONNECTOR
F01-F07	* AT FRAME WALL ONE (1) SIMPSON H2.5A ANCHOR WITH (8) #8 NAILS EACH * AT CMU WALL ONE (1) SIMPSON HETA20 STRAP W/(9) 10dX1-1/2" NAILS EACH * AT TRUSS TO TRUSS BY TRUSS COMPANY
D02, D03, M1, P01-P06, P01G, S01, S02, S03	* AT CMU WALL ONE (1) SIMPSON HETA20 STRAP W/(9) 10dX1-1/2" NAILS EACH * AT FRAME WALL/WOOD BEAM ONE (1) SIMPSON HTS20 STRAP W/(24) 10dX1-1/2" NAILS EACH * AT TRUSS TO TRUSS BY TRUSS COMPANY
FRI	* AT TRUSS TO LVL POST ONE (1) SIMPSON LGT3-SDS2.5 ANCHOR W/(26) 10d SINKERS TO POST AND (12) 1/4"X2-1/2" SDS TO TRUSS * AT LVL POSTS TO FOUNDATION ONE (1) SIMPSON HTT4 ANCHOR WITH (8) 10dX1-1/2" NAILS AND (1) 5/8" Ø THREADED ROD EPOXY EMBEDDED 12" MINIMUM * AT CMU WALL ONE (1) SIMPSON MGT ANCHOR WITH (22) 10d NAILS AND (1) 5/8" Ø THREADED ROD EPOXY EMBEDDED 8" MINIMUM
A01, A14	SEE DETAIL 'T/S-1'
V01-V09, VII-V17	BY TRUSS COMPANY
A04	* AT FRONT CMU WALL ONE (1) SIMPSON MGT ANCHOR WITH (22) 10d NAILS AND (1) 5/8" Ø THREADED ROD EPOXY EMBEDDED 8" MINIMUM * AT FRONT AND REAR WOOD BEAM ONE (1) SIMPSON HTS20 STRAP W/(24) 10dX1-1/2" NAILS EACH * AT REAR CMU WALL TWO (2) SIMPSON FGTR ANCHORS WITH (36) 1/4"X3/4" SDS AND AND (4) 1/2"X5/8" TITENS
B02, D01	* AT TRUSS TO LVL POST ONE (1) SIMPSON LGT3-SDS2.5 ANCHOR W/(26) 10d SINKERS TO POST AND (12) 1/4"X2-1/2" SDS TO TRUSS * AT LVL POSTS TO FOUNDATION ONE (1) SIMPSON HTT4 ANCHOR WITH (8) 10dX1-1/2" NAILS AND (1) 5/8" Ø THREADED ROD EPOXY EMBEDDED 12" MINIMUM * AT TRUSS TO TRUSS BY TRUSS COMPANY
2"x4" FRAME BEARING WALL TOP PLATES TO STUD AND STUD TO BOTTOM PLATE (AT STUD SPACING 16" O.C. MAX)	ONE (1) SIMPSON SP4 ANCHOR AT 32" O.C. MAX WITH (6) 10dX1-1/2" NAILS
2"x6" FRAME BEARING WALL TOP PLATES TO STUD AND STUD TO BOTTOM PLATE (AT STUD SPACING 16" O.C. MAX)	ONE (1) SIMPSON SP6 ANCHOR AT 32" O.C. MAX WITH (6) 10dX1-1/2" NAILS
2"x8" FRAME BEARING WALL TOP PLATES TO STUD AND STUD TO BOTTOM PLATE (AT STUD SPACING 16" O.C. MAX)	ONE (1) SIMPSON SP8 ANCHOR AT 32" O.C. MAX WITH (6) 10dX1-1/2" NAILS
IN LIEU OF SP4/6/8 ANCHORS, THE FOLLOWING MAY BE INSTALLED AS A SUBSTITUTION	ONE (1) SIMPSON SP2 ANCHOR WITH (12) 10d NAILS, INSTALLED AT EVERY STUD TO TOP PLATES
WOOD BEAMS	* AT CMU COLUMN TWO (2) SIMPSON HETA20 STRAP WITH (9) 10dX1-1/2" NAILS EACH * 2-PLY BEAM TO CMU WALL ONE (1) SIMPSON HUC40 HANGER WITH (8) 1/4"X2-3/4" TITEN FASTENERS AND (10) 10d NAILS EACH * 2-PLY BEAM TO FRAME WALL BEAM POCKET TWO (2) SIMPSON HTS20 STRAP W/(24) 10dX1-1/2" NAILS EACH

ALL ANCHORS ARE SIMPSON ANCHORS UNLESS NOTED OTHERWISE

Double 1-3/4" x 11-1/4" VERSA-LAM® LVL 1.8E 2650 SP

RB01 (Roof Beam)
Dry | 1 span | No cant. | December 9, 2020 10:43:34

BC CALCO® Member Report
Build 7883
Job name: File name:
Address: Description:
City, State, Zip: Specifier:
Customer: Designer: Daniel Frechette
Code reports: ESR-1040 Company: Engineering and Design Concepts, Inc.

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 0"	452 / 0	755 / 0			
B2, 3'-1/2"	469 / 0	765 / 0			

Load Summary

Tag Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	125%	Tributary
1 Self-Weight	Unf. Lvl. (lb/ft)	11	00-00-00	15-06-00	Top	11					00-00-00
1 Unf. Area (lb/ft²)	Unf. Area (lb/ft²)	L	00-00-00	15-06-00	Top	10					20 05-00-00

Controls Summary Value

	% Allowable	Duration	Case	Location
Pos. Moment	4439 ft-lbs	21.6%	125%	4 07-10-04
End Shear	1036 lbs	11.1%	125%	4 01-05-04
Total Load Deflection	L/713 (0.25")	25.2%	n/a	4 07-10-04
Live Load Deflection	L/1151 (0.155")	20.9%	n/a	5 07-10-04
Max Defl.	0.25"	25.0%	n/a	4 07-10-04
Span / Depth	15.8			

Bearing Supports Dim. (LxW)

	Value	% Allow Support	% Allow Member	Material	
B1 Column	6" x 3'-1/2"	1268 lbs	n/a	8.0%	Unspecified
B2 Column	3'-1/2" x 3'-1/2"	1234 lbs	n/a	13.4%	Unspecified

Caution
For roof members with slope (1/4)/12 or less final design must ensure that ponding instability will not occur.
For roof members with slope (1/2)/12 or less final design must account for Rain-on-Snow surcharge load.

Notes
Design meets Code minimum (L/180) Total load deflection criteria.
Design meets Code minimum (L/240) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
BC CALCO® analysis is based on NBC 2009.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure
Use of the Bowe Cascade Software is subject to the terms of the End User License Agreement (EULA).
Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to ensure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output herein is based on building code-accepted design properties and analysis methods.
Installation of Bowe Cascade engineered wood products must be in accordance with current installation Guide and applicable building codes. To obtain installation Guide or ask questions, please call (800)232-0788 before installation.

Connection Diagram: Full Length of Member

A = MINIMUM = 2" C = 7'-1/4"
B = MINIMUM = 3" D = 12"
CONNECTORS ARE: 3-1/4" IN. PNEUMATIC GUN NAILS

TYPICAL CONNECTOR DETAILS

TYPICAL HTT4 ANCHOR

TYPICAL LGT ANCHOR

TYPICAL FGTR ANCHOR

TYPICAL MGT ANCHOR

TYPICAL AC (MAX)

TYPICAL LCE ANCHOR

TYPICAL SPI ANCHOR

TYPICAL SP2 ANCHOR

TYPICAL SP ANCHOR

TYPICAL HETA20 STRAP

TYPICAL HTS20 STRAP

TYPICAL HUC HANGER

MISSED STRAP REPAIR DETAIL
NOT TO SCALE

N.T.S.

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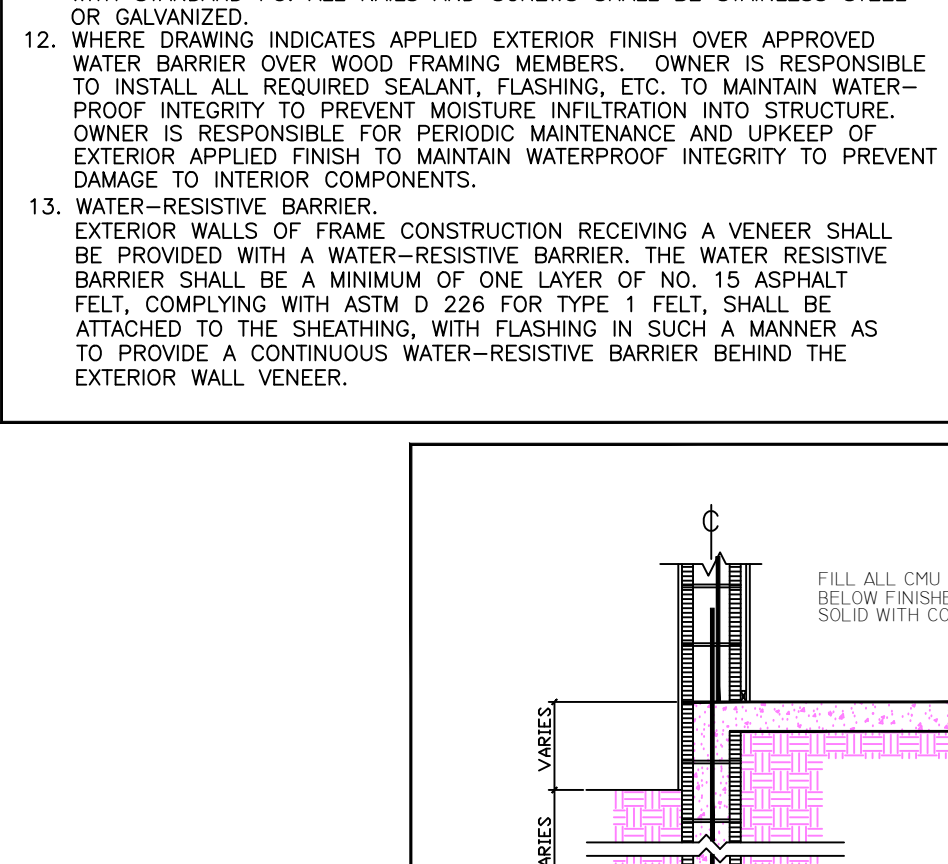
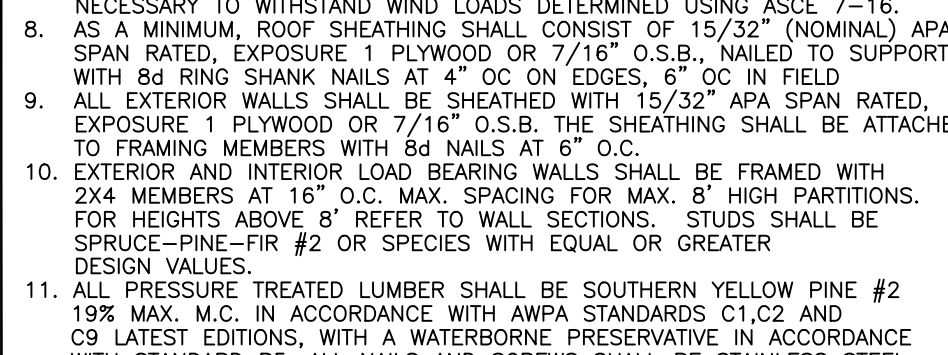
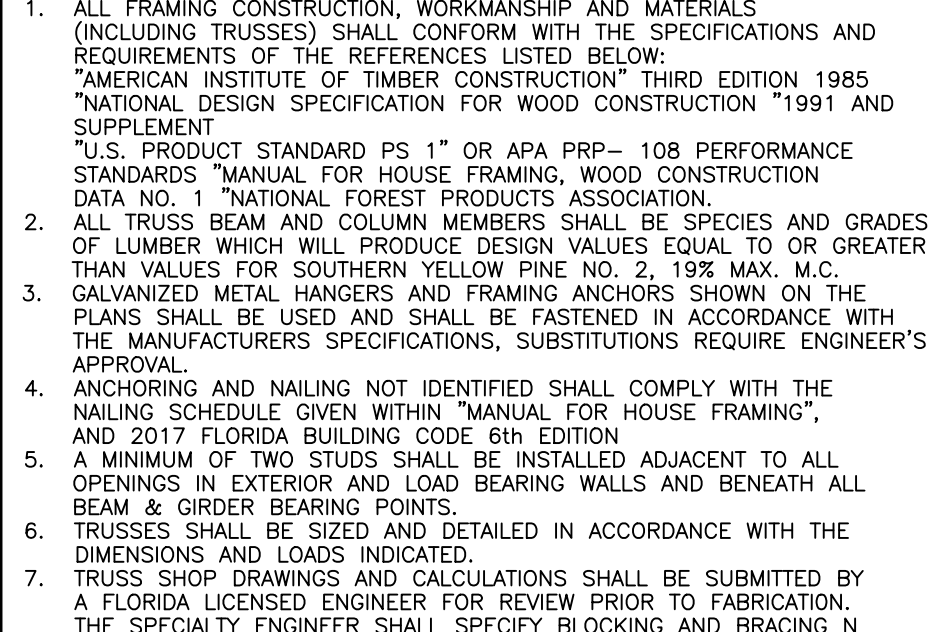
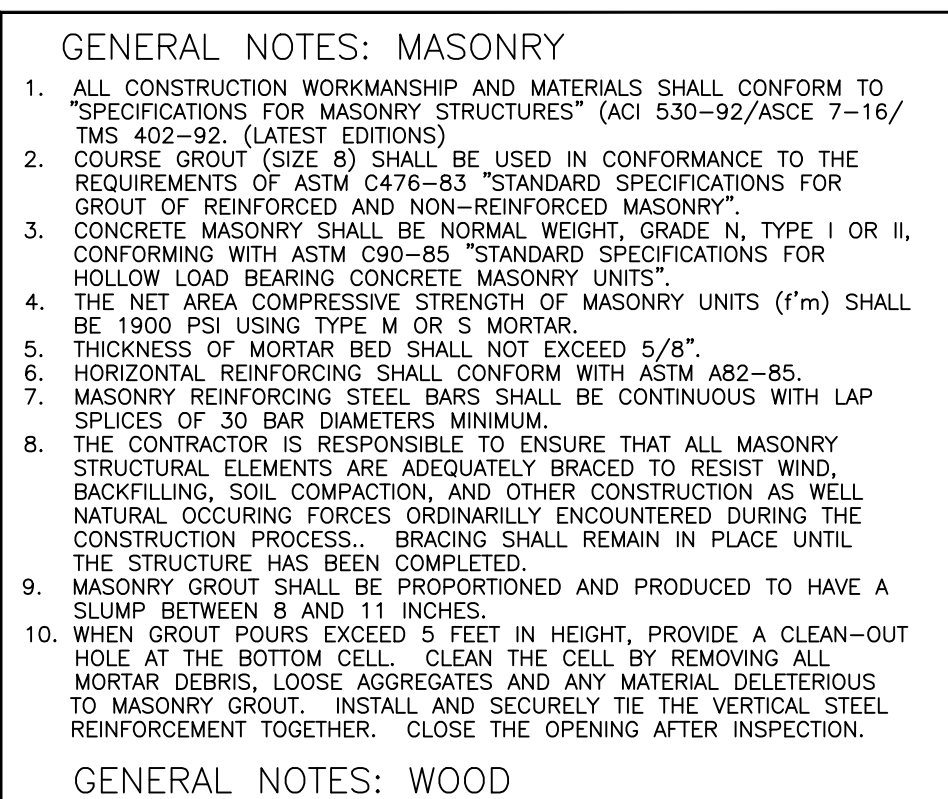
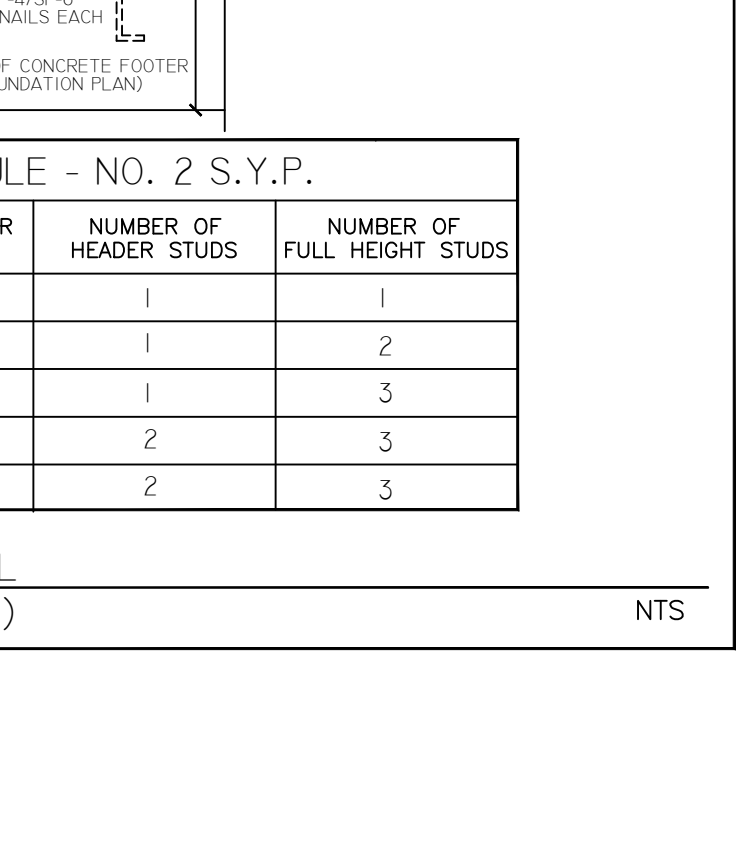
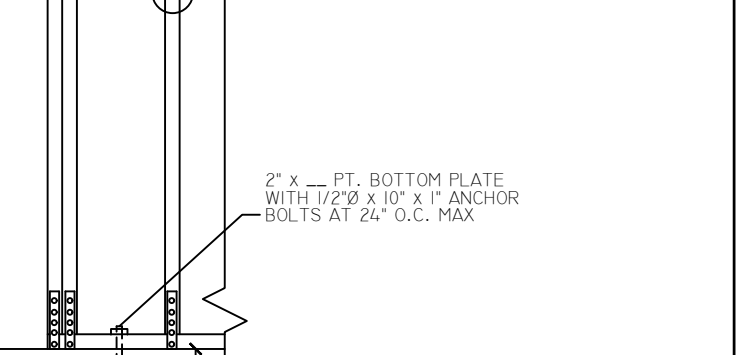
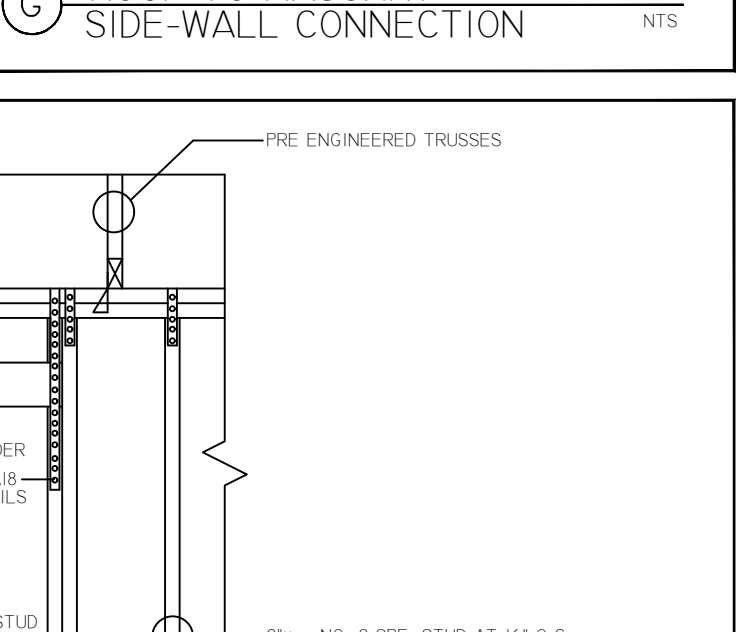
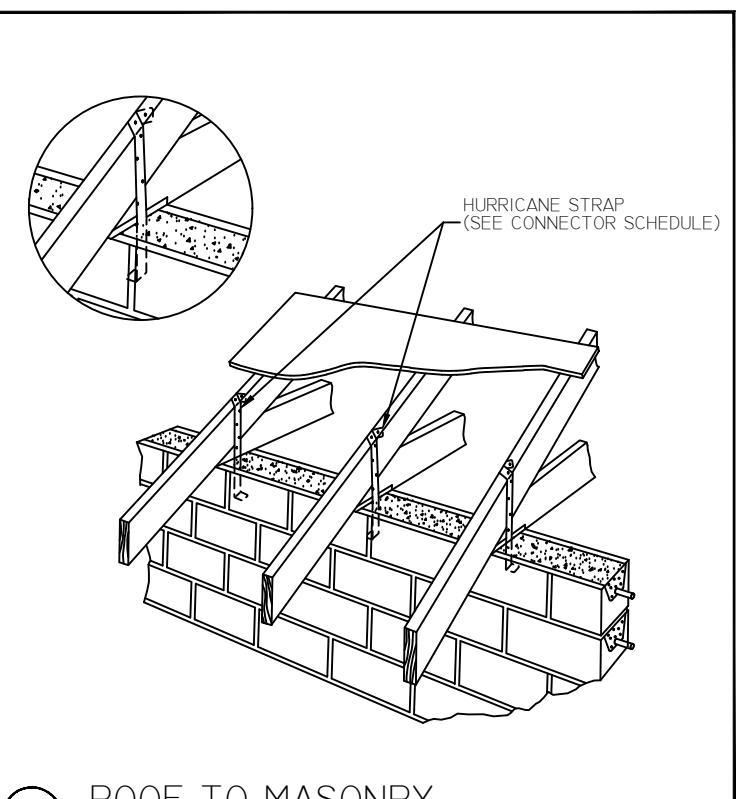
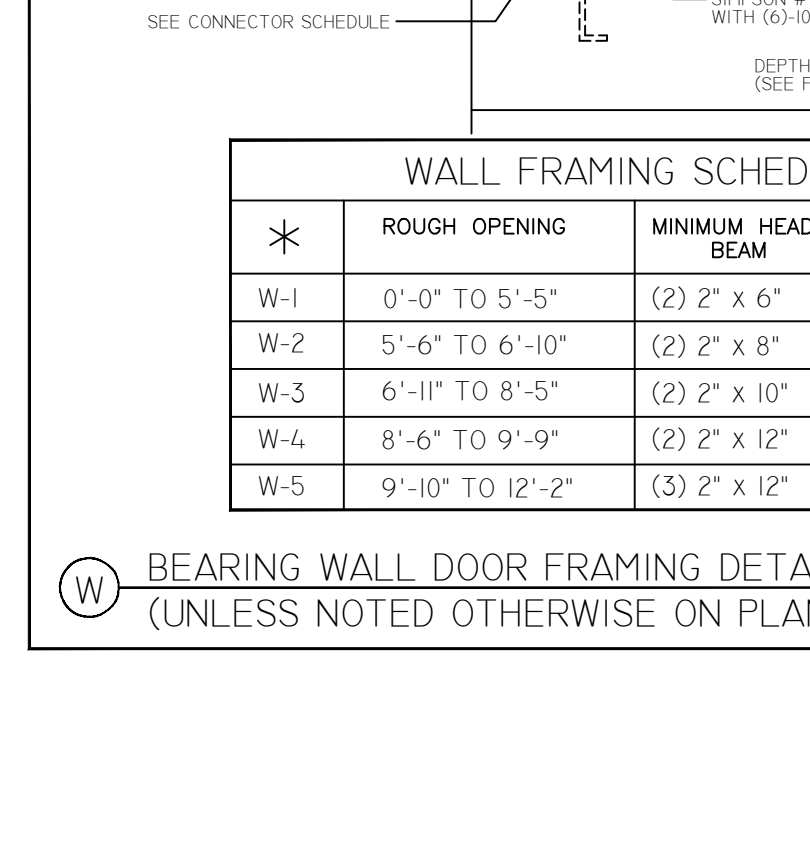
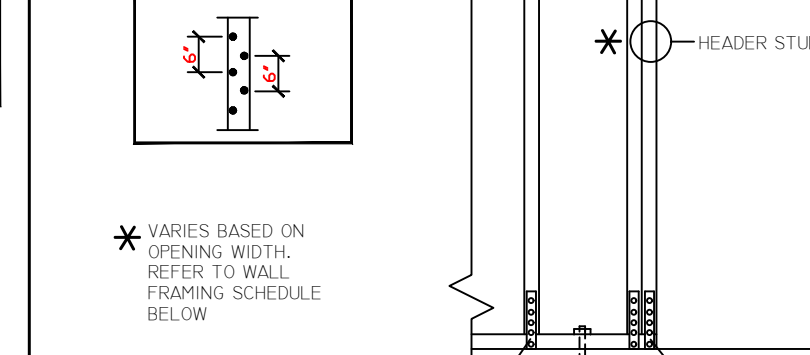
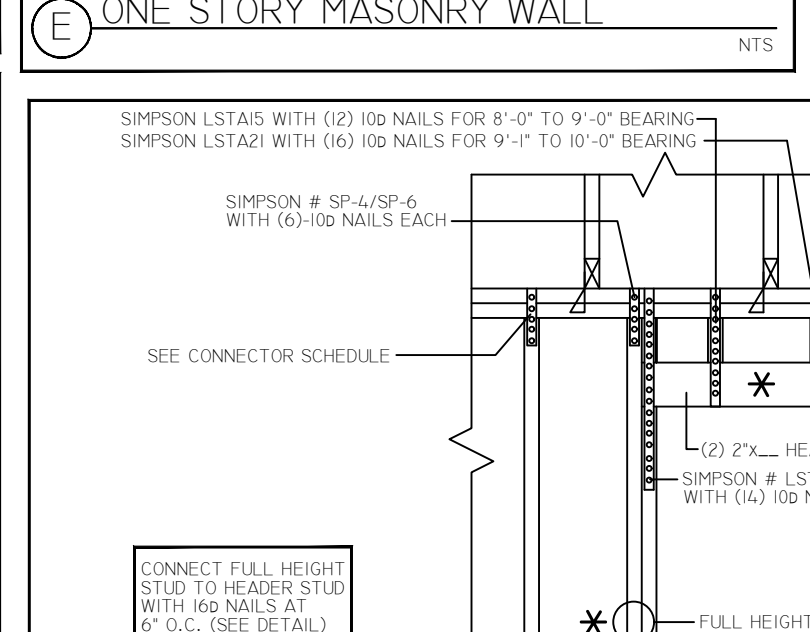
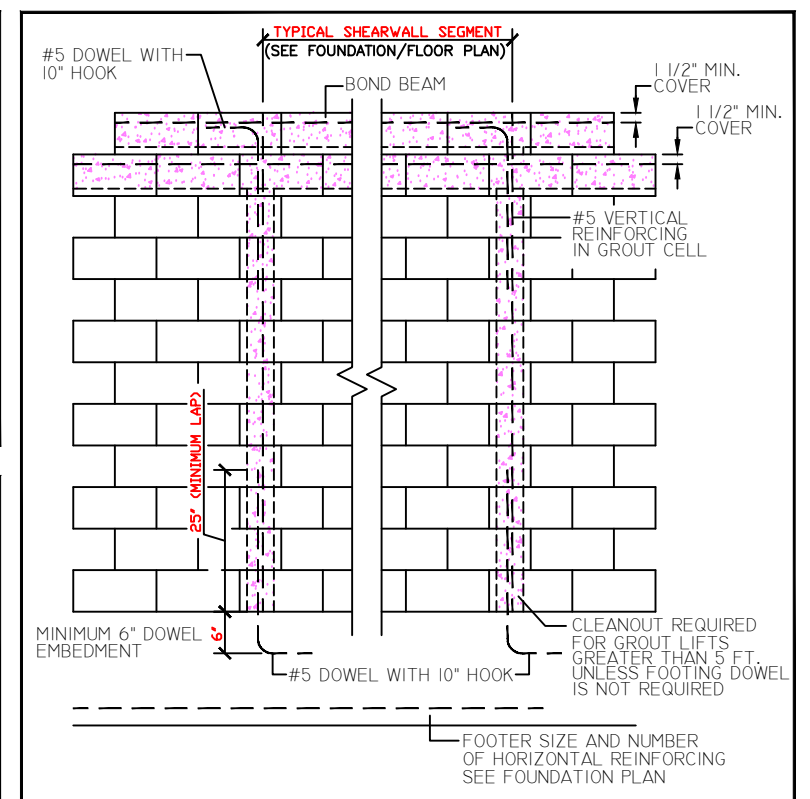
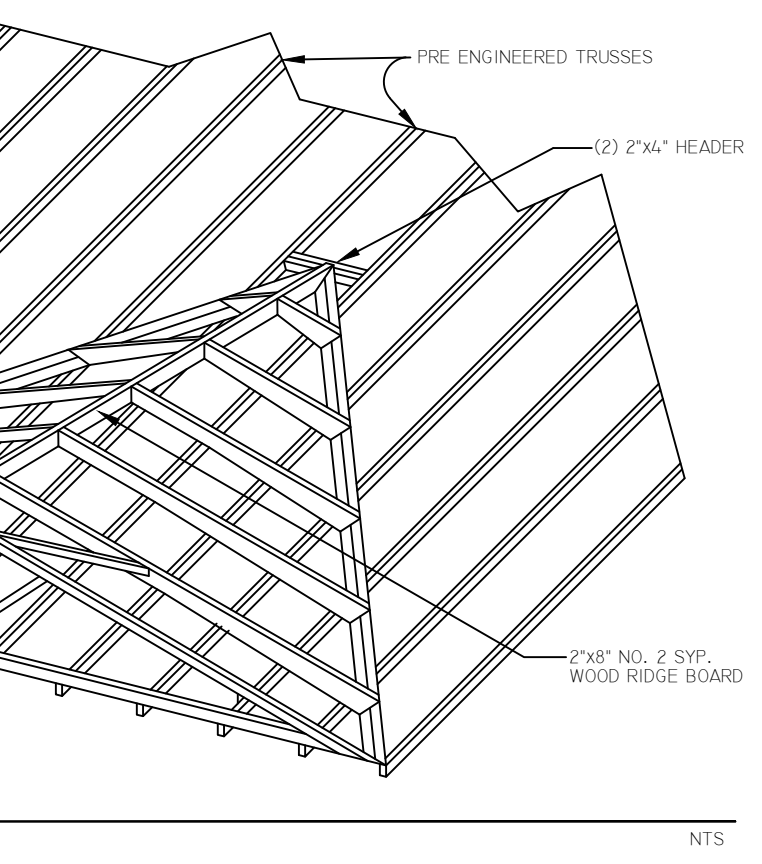
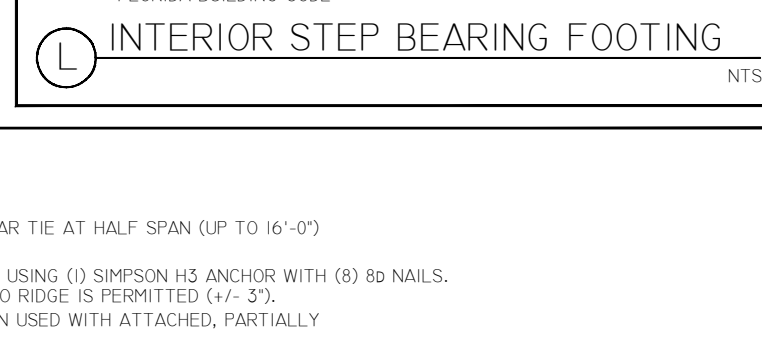
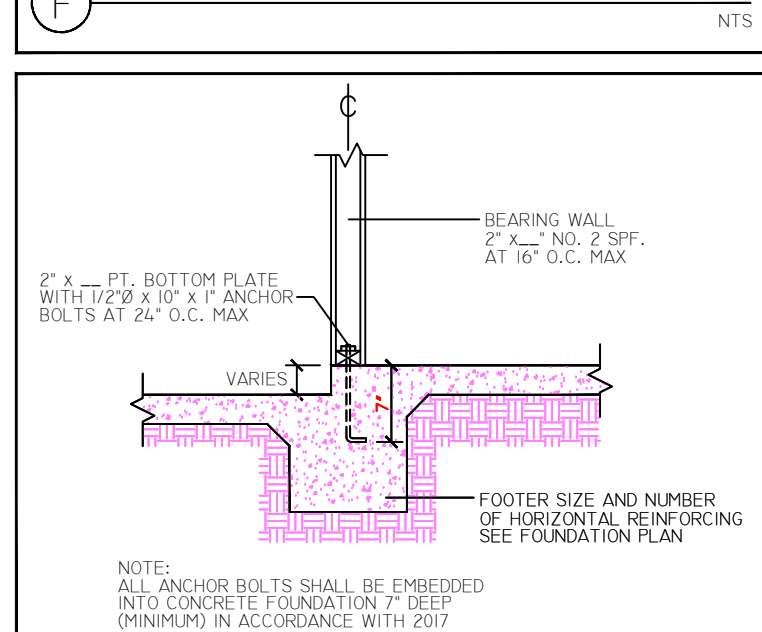
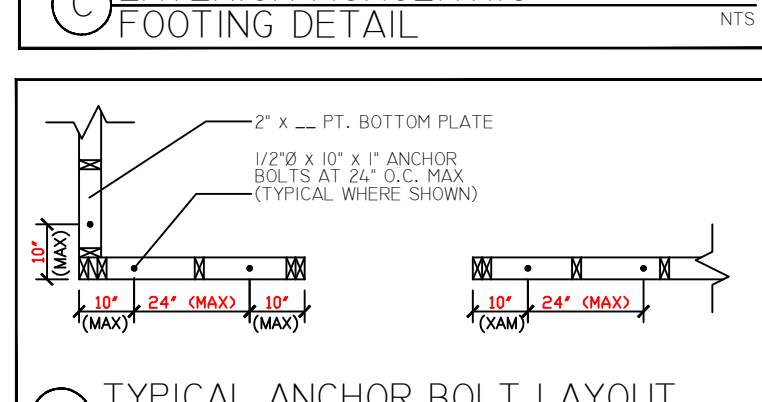
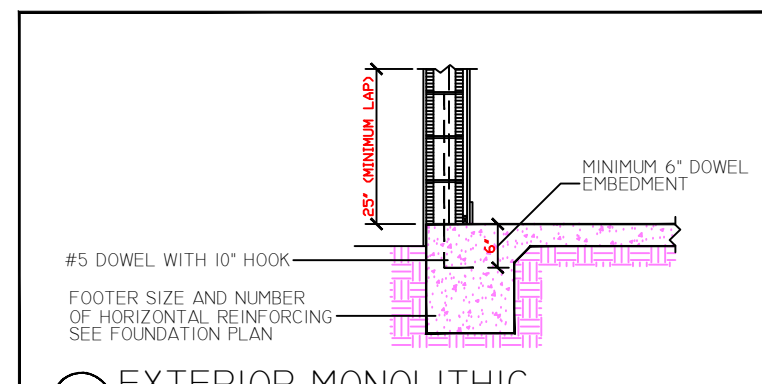
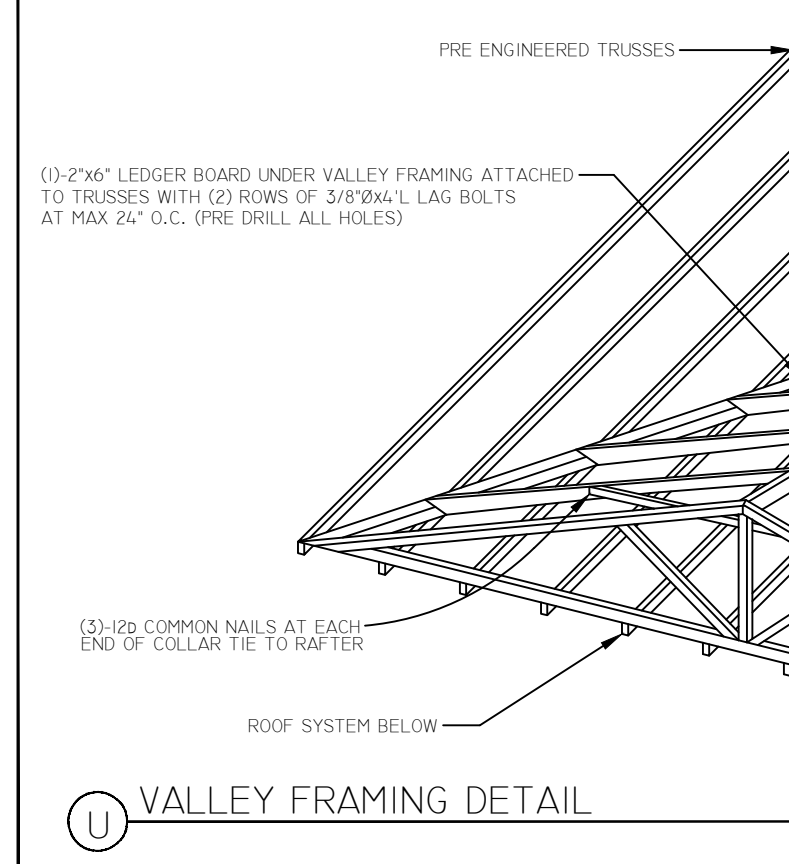
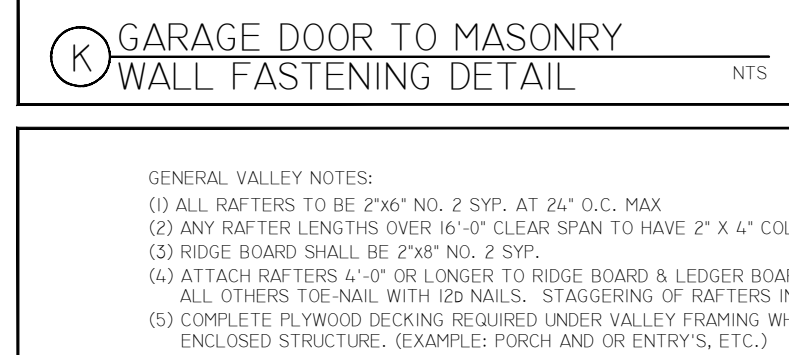
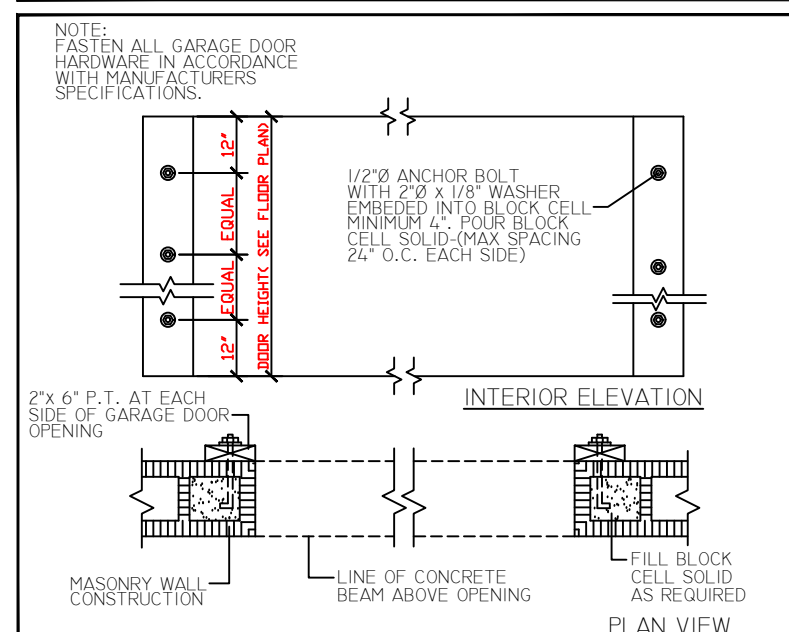
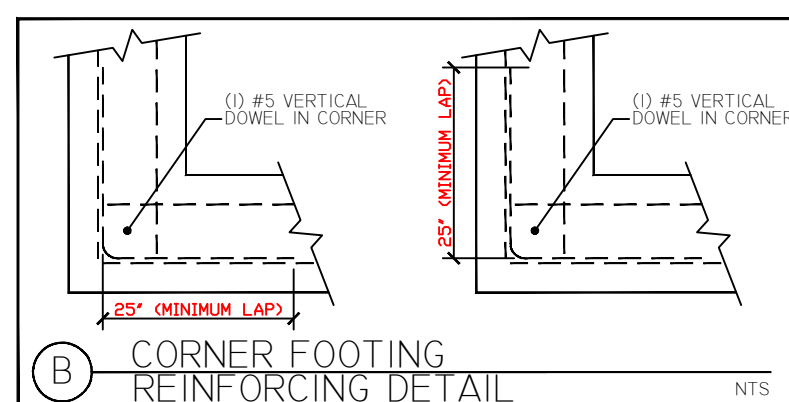
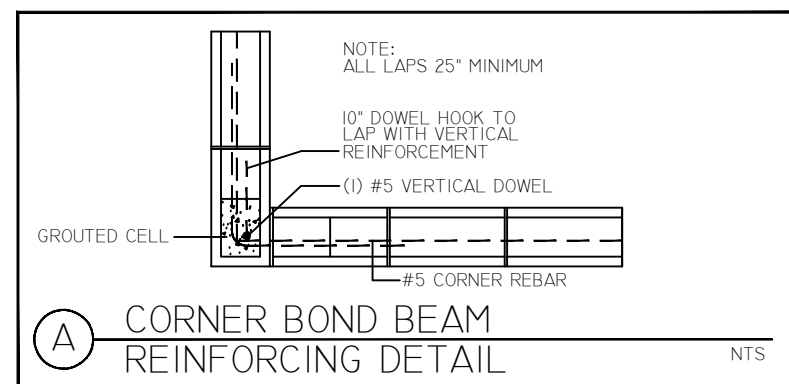
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A9

SHEET 9 OF 12
DRAWN BY: DANIEL FRECHETTE



WALL FRAMING SCHEDULE - NO. 2 S.Y.P.

* ROUGH OPENING	MINIMUM HEADER BEAM	NUMBER OF HEADER STUDS	NUMBER OF FULL HEIGHT STUDS
W-1 0'-0" TO 5'-5"	(2) 2" x 6"	1	1
W-2 5'-6" TO 6'-10"	(2) 2" x 8"	1	2
W-3 6'-11" TO 8'-5"	(2) 2" x 10"	1	3
W-4 8'-6" TO 9'-9"	(2) 2" x 12"	2	3
W-5 9'-10" TO 12'-2"	(3) 2" x 12"	2	3

GENERAL NOTES: MASONRY

- ALL CONSTRUCTION WORKMANSHIP AND MATERIALS SHALL CONFORM TO "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530-92/ASCE 7-16/ TMS 402-92), LATEST EDITION.
- COURSE GROUT (SIZE 8) SHALL BE USED IN CONFORMANCE TO THE REQUIREMENTS OF ASTM C478-83 "STANDARD SPECIFICATIONS FOR GROUT OF REINFORCED AND NON-REINFORCED MASONRY".
- CONCRETE MASONRY SHALL BE NORMAL WEIGHT, GRADE N, TYPE I OR II, CONFORMING WITH ASTM C90-85 "STANDARD SPECIFICATIONS FOR HOLLOW LOAD BEARING CONCRETE MASONRY UNITS".
- THE NET AREA COMPRESSIVE STRENGTH OF MASONRY UNITS (F_m) SHALL BE 1900 PSI USING TYPE M OR S MORTAR.
- THICKNESS OF MORTAR BED SHALL NOT EXCEED 5/8".
- HORIZONTAL REINFORCING SHALL CONFORM WITH ASTM A82-85.
- MASONRY REINFORCING STEEL BARS SHALL BE CONTINUOUS WITH LAP SPICES OF 30 BAR DIAMETERS MINIMUM.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL MASONRY STRUCTURAL ELEMENTS ARE ADEQUATELY BRACED TO RESIST WIND, BACKFILLING, SOIL COMPACTION, AND OTHER CONSTRUCTION AS WELL AS NATURAL OCCURRING FORCES ORDINARILY ENCOUNTERED DURING THE CONSTRUCTION PROCESS. BRACING SHALL REMAIN IN PLACE UNTIL THE STRUCTURE HAS BEEN COMPLETED.
- MASONRY GROUT SHALL BE PROPORTIONED AND PRODUCED TO HAVE A SLUMP BETWEEN 8 AND 11 INCHES.
- WHEN GROUT EXCEEDS 5 FEET IN HEIGHT, PROVIDE A CLEAN-OUT HOLE AT THE BOTTOM CELL. CLEAN THE CELL BY REMOVING ALL MORTAR DEBRIS, LOOSE AGGREGATES AND ANY MATERIAL DELETERIOUS TO MASONRY GROUT. INSTALL AND SECURELY TIE THE VERTICAL STEEL REINFORCEMENT TOGETHER. CLOSE THE OPENING AFTER INSPECTION.

GENERAL NOTES: WOOD

- ALL FRAMING CONSTRUCTION, WORKMANSHIP AND MATERIALS (INCLUDING TRUSSES) SHALL CONFORM WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE REFERENCES LISTED BELOW: "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" 1991 AND SUPPLEMENT "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" 1991 AND SUPPLEMENT "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" 1991 AND SUPPLEMENT "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" 1991 AND SUPPLEMENT.
- PRODUCT STANDARD PS 1" OR APA PRP-108 PERFORMANCE STANDARDS "MANUAL FOR HOUSE FRAMING, WOOD CONSTRUCTION DATA NO. 1" NATIONAL FOREST PRODUCTS ASSOCIATION.
- ALL TRUSS BEAM AND COLUMN MEMBERS SHALL BE SPECIES AND GRADES OF LUMBER WHICH WILL PRODUCE DESIGN VALUES EQUAL TO OR GREATER THAN VALUES FOR SOUTHERN YELLOW PINE NO. 2, 19% MAX. M.C. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 15/32" APA SPAN RATED, EXPOSURE 1 PLYWOOD OR 7/16" O.S.B. THE SHEATHING SHALL BE ATTACHED TO FRAMING MEMBERS WITH 8d NAILS AT 6" O.C.
- ANCHORING AND NAILING NOT IDENTIFIED SHALL COMPLY WITH THE NAILING SCHEDULE GIVEN WITHIN "MANUAL FOR HOUSE FRAMING", AND 2017 FLORIDA BUILDING CODE 6th EDITION.
- A MINIMUM OF TWO STUDS SHALL BE INSTALLED ADJACENT TO ALL OPENINGS IN EXTERIOR AND LOAD BEARING WALLS AND BENEATH ALL BEAM & GIRDER BEARING POINTS.
- TRUSSES SHALL BE SIZED AND DETAILED IN ACCORDANCE WITH THE DIMENSIONS AND LOADS INDICATED.
- TRUSS SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED BY A FLORIDA LICENSED ENGINEER FOR REVIEW PRIOR TO FABRICATION. THE SPECIALLY ENGINEER SHALL SPECIFY BLOCKING AND BRACING NECESSARY TO WITHSTAND WIND LOADS DETERMINED USING ASCE 7-16. AS A MINIMUM, ROOF SHEATHING SHALL CONSIST OF 15/32" (NOMINAL) APA SPAN RATED, EXPOSURE 1 PLYWOOD OR 7/16" O.S.B., NAILED TO SUPPORT WITH 8d RING SHANK NAILS AT 4" OC ON EDGES, 6" OC IN FIELD.
- ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 15/32" APA SPAN RATED, EXPOSURE 1 PLYWOOD OR 7/16" O.S.B. THE SHEATHING SHALL BE ATTACHED TO FRAMING MEMBERS WITH 8d NAILS AT 6" O.C.
- EXTERIOR AND INTERIOR LOAD BEARING WALLS SHALL BE FRAMED WITH 2x4 MEMBERS AT 16" O.C. MAX. SPACING FOR MAX. 8' HIGH PARTITIONS. FOR HEIGHTS ABOVE 8' REFER TO WALL SECTIONS. STUDS SHALL BE SPRUCE-PINE-FIR #2 OR SPECIES WITH EQUAL OR GREATER DESIGN VALUES.
- ALL PRESSURE TREATED LUMBER SHALL BE SOUTHERN YELLOW PINE #2 19% MAX. M.C. IN ACCORDANCE WITH AWPA STANDARDS C1,C2 AND C9 LATEST EDITIONS, WITH A WATERPROOF PRESERVATIVE IN ACCORDANCE WITH STANDARD PS. ALL NAILS AND SCREWS SHALL BE STAINLESS STEEL OR GALVANIZED.
- WHERE DRAWING INDICATES APPLIED EXTERIOR FINISH OVER APPROVED WATER BARRIER OVER WOOD FRAMING MEMBERS, OWNER IS RESPONSIBLE TO INSTALL ALL REQUIRED SEALANT, FLASHING, ETC. TO MAINTAIN WATER-PROOF INTEGRITY TO PREVENT MOISTURE INFILTRATION INTO STRUCTURE. OWNER IS RESPONSIBLE FOR PERIODIC MAINTENANCE AND UPKEEP OF EXTERIOR APPLIED FINISH TO MAINTAIN WATERPROOF INTEGRITY TO PREVENT DAMAGE TO INTERIOR COMPONENTS.
- WATER-RESISTIVE BARRIER. EXTERIOR WALLS OF FRAME CONSTRUCTION RECEIVING A VENEER SHALL BE PROVIDED WITH A WATER-RESISTIVE BARRIER. THE WATER RESISTIVE BARRIER SHALL BE A MINIMUM OF ONE LAYER OF NO. 15 ASPHALT FELT, COMPLYING WITH ASTM D 226 FOR TYPE 1 FELT, SHALL BE ATTACHED TO THE SHEATHING, WITH FLASHING IN SUCH A MANNER AS TO PROVIDE A CONTINUOUS WATER-RESISTIVE BARRIER BEHIND THE EXTERIOR WALL VENEER.

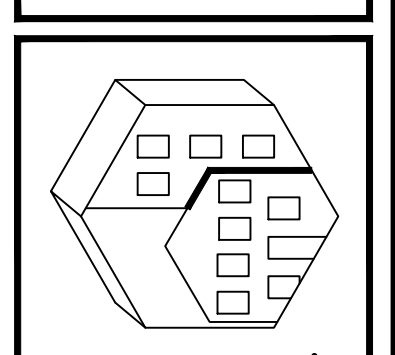
GENERAL NOTES

- THESE DRAWINGS WERE PREPARED WITH THE ASSUMPTION THE CONTRACTOR/OWNER-BUILDER IS KNOWLEDGEABLE OF COMMON CONSTRUCTION PRACTICES.
- THE CONTRACTOR/OWNER-BUILDER SHALL REVIEW DRAWINGS FOR ACCURACY AND INTERPRETATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNERS PRIOR TO CONSTRUCTION.
- THE FOUNDATION PLAN SHALL BE VERIFIED BY THE CONTRACTOR/OWNER-BUILDER TO CORRESPOND WITH THE FINAL ENGINEERED TRUSS LAYOUT.
- DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE - DO NOT SCALE DRAWINGS.
- FLASHING SHALL BE PROVIDED PER FIELD CONDITIONS.
- MOISTURE PROTECTION SHALL BE PROVIDED BETWEEN ALL MASONRY AND NON PRESSURE TREATED WOOD SURFACES.
- A 1/2" DIAMETER X 10" LONG MINIMUM WEDGE ANCHOR MAY BE USED IN LIEU OF 1/2" DIAMETER J-BOLTS AT FOUNDATION.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS LISTED.
- THE GENERAL CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION SHOWN ON THE DRAWINGS. ANY QUESTIONS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE STARTING CONSTRUCTION.
- THE STRUCTURE HAS BEEN DESIGNED TO MEET THE REQUIREMENTS OF 2017 FLORIDA BUILDING CODE 6th EDITION.
- FOUNDATION AND SLAB ARE TO BE FORMED UPON SOIL WITH A MINIMUM SAFE BEARING CAPACITY OF 2000 PSF.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO UNIFORMLY PROVIDE THE BEARING CAPACITY UNDER ALL FOUNDATIONS.
- THE CONTRACTORS SHALL HIRE A GEOTECHNICAL ENGINEER TO RECOMMEND SOIL IMPROVEMENTS REQUIRED TO OBTAIN THE MINIMUM SAFE BEARING CAPACITY STATED ABOVE.

REVISIONS

NO.	DESCRIPTION
1	
2	
3	

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ENGINEERING AND DESIGN CONCEPTS, INC.

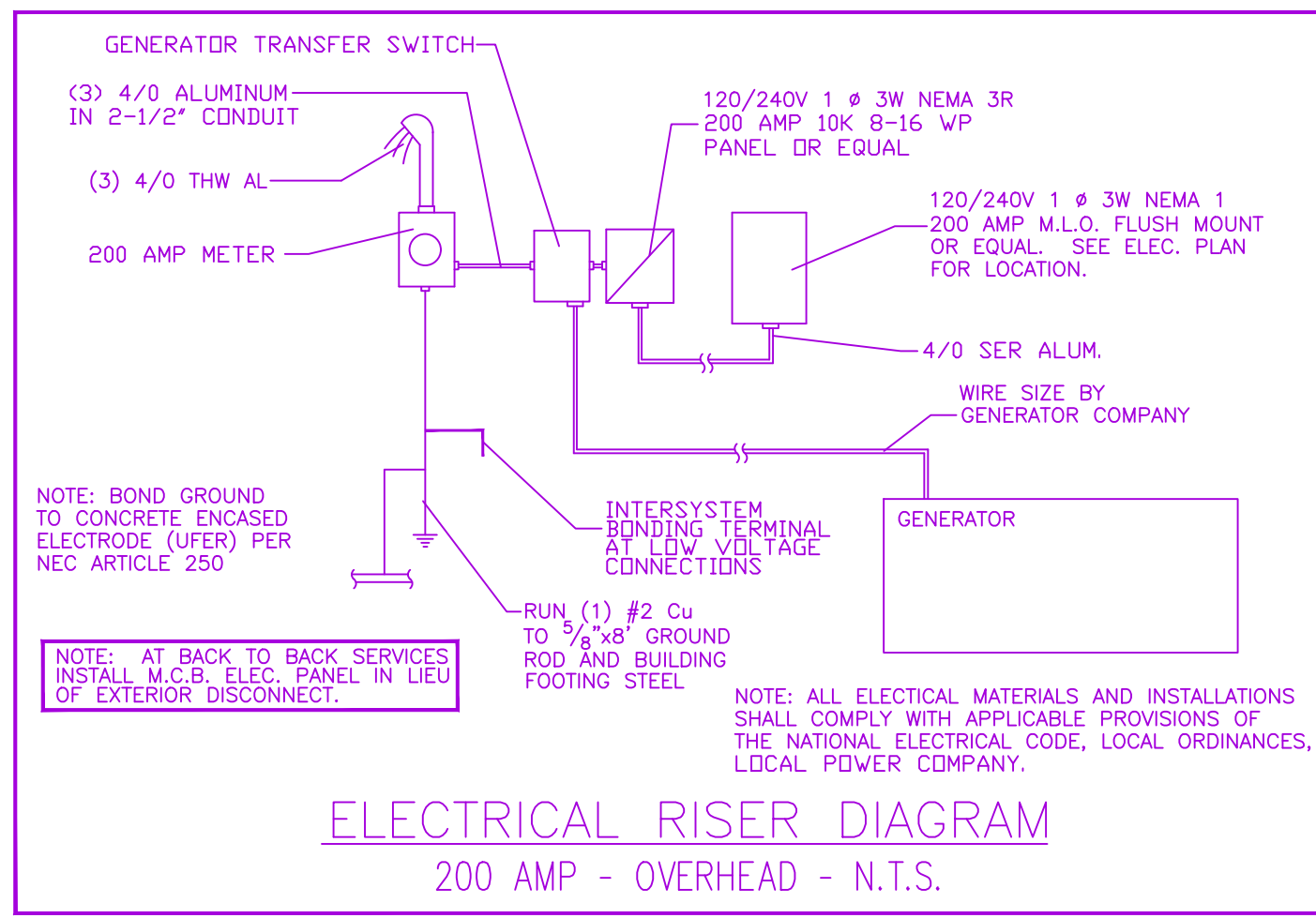
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S-I
SHEET 10 OF 12
DRAWN BY:
DANIEL FRECHETTE

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ELECTRICAL SYMBOLS

⊞ SINGLE POLE SWITCH	○ LIGHT FIXTURE
⊞ THREE POLE SWITCH	⊙ WALL MOUNT FIXTURE
⊞ FOUR POLE SWITCH	⊙ RECESSED FIXTURE
⊞ DIMMER SWITCH	⊙ EYEBALL FIXTURE
⊞ SINGLE OUTLET	⊙ PULL CHAIN
⊞ DUPLEX OUTLET	⊙ TRACK LIGHTING LENGTH AS INDICATED
⊞ SWITCHED DUPLEX	⊙ FLOOD LIGHTS
⊞ 220 OUTLET	⊙ EMERGENCY LIGHT
⊞ QUAD OUTLET	⊙ FLUORESCENT LIGHTING LENGTH AS INDICATED
⊞ TELEPHONE	⊙ WIRE FOR FAN
⊞ TELEVISION	⊙ WIRE FOR FAN WITH LIGHT
⊞ SMOKE DETECTOR	⊙ EXHAUST FAN
⊞ ELECTRICAL PANEL	⊙ THERMOSTAT
⊞ DOOR BELL BUTTON	⊙ INTERCOM
⊞ DISCONNECT	⊙ DOOR BELL BUTTON
⊞ ELECTRICAL METER	⊙ DISCONNECT
⊞ ELECTRICAL METER	⊙ ELECTRICAL METER

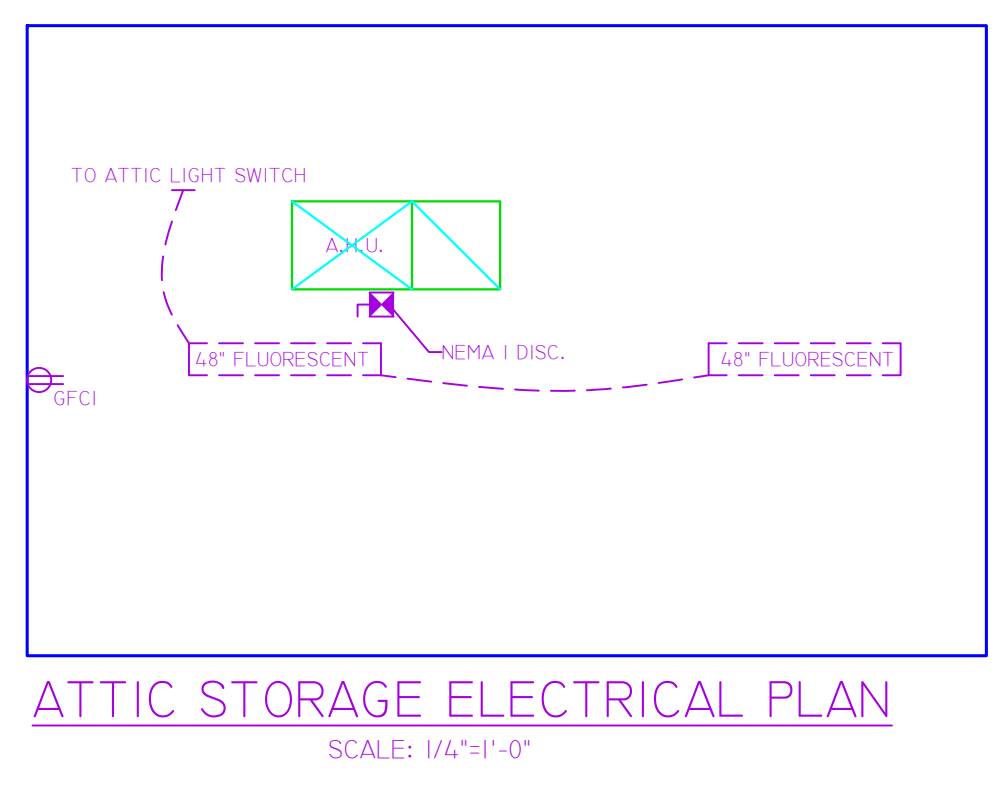
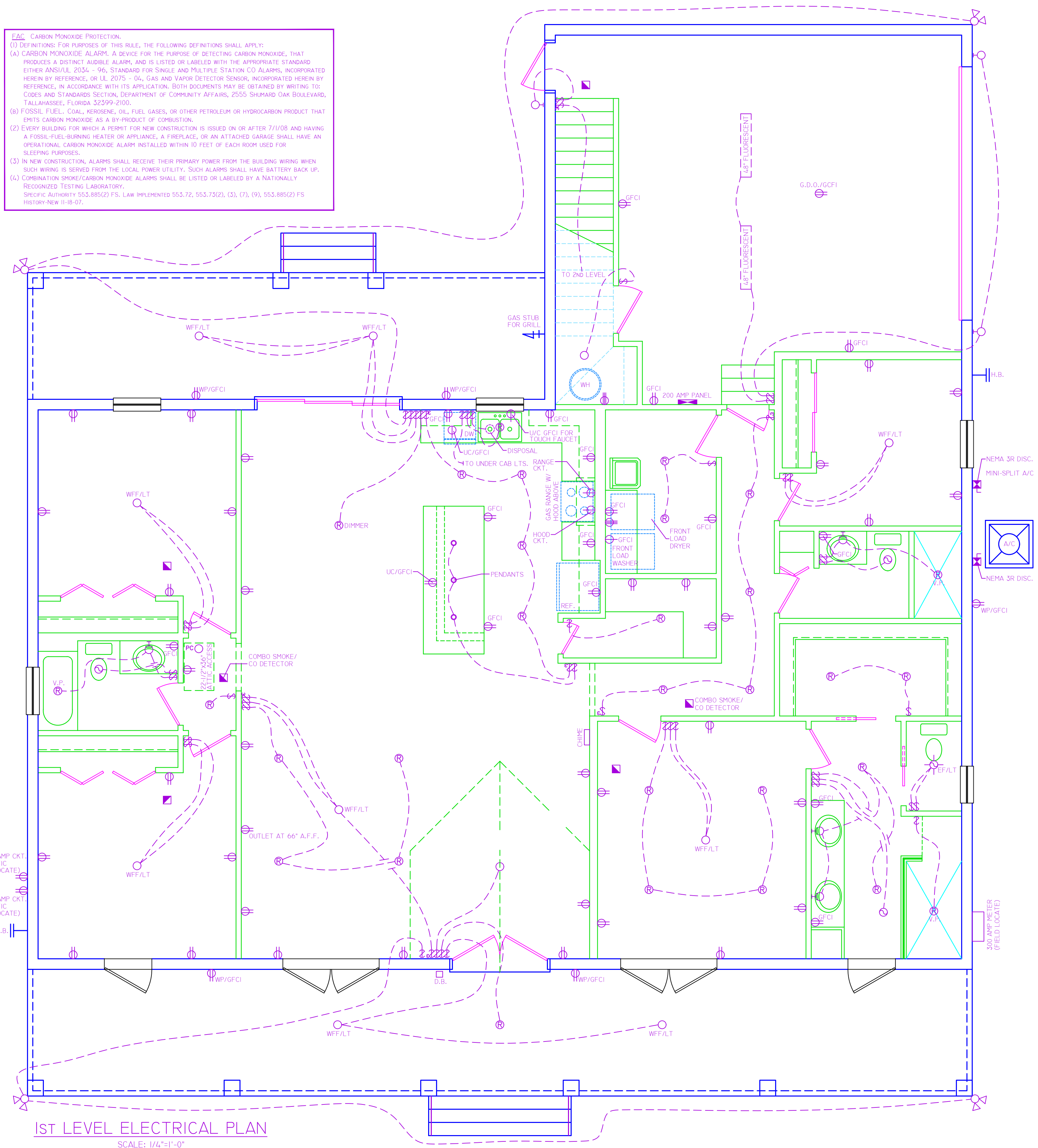
NOTE: ALL SMOKE DETECTORS TO BE LINKED TOGETHER SO AS TO SOUND SIMULTANEOUSLY WHEN ONE IS TRIGGERED.
NOTE: ALL OUTLETS SHALL BE TAMPER-RESISTANT
NOTE: PLANS COMPLY WITH THE 2017 FLORIDA RESIDENTIAL BUILDING CODE 6TH EDITION CHAPTERS 34-43 AND 2014 NEC

PANEL SCHEDULE SINGLE-PHASE

CKT #	CIRCUIT ID NAME	BKR:WIRE A/P:SIZE	A PHASE	B PHASE	WIRE-BKR A/P:SIZE	CIRCUIT ID NAME	CKT #
1	OVEN	40 : 8			8 : 40	ACU-1	2
3	"	" : "			" : "	"	4
5	GAS STOVETOP	20 : 12			6 : 60	AHU-1	6
* 7	REF.	20 : 12			" : "	"	8
* 9	KITCHEN LTS./RECEPTS.	20 : 12			10 : 30	DRYER	10
* 11	DISHWASHER	20 : 12			" : "	"	12
* 13	MICRO.	20 : 12			12 : 20	WASHER	14 *
* 15	HOOD	20 : 12			14 : 15	M. BED LTS./RECEPTS.	16 *
* 17	DINING LTS.	15 : 14			14 : 15	M. BATH LTS.	18
* 19	HALL LTS./RECEPTS.	15 : 14			12 : 20	M. BATH GFCI	20
21	EXT. LTS.	15 : 14			14 : 15	LAUNDRY LTS./RECEPTS.	22 *
23	WATER HEATER	30 : 10			14 : 15	GREAT RM./FOYER LTS./RECEPTS.	24 *
25	"	" : "			14 : 15	SMOKE DETECT.	26 *
* 27	BED #2 LTS./RECEPTS.	15 : 14			14 : 15	BATH #2 LTS.	28
* 29	BED #3 LTS./RECEPTS.	15 : 14			12 : 20	BATH #2 GFCI	30
31	SEPTIC	20 : 12			12 : 20	FLEX ROOM LTS./RECEPTS.	32 *
33	DISPOSAL	20 : 12			12 : 20	SEPTIC	34
35	"	" : "			12 : 20	TOUCH FAUCET	36
37	"	" : "			" : "	"	38
39	"	" : "			" : "	"	40
41	"	" : "			" : "	"	42
TOTAL KVA PER PHASE							
MAXIMUM PHASE AMPS							

NOTE: BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN, BEDROOMS, SUN-ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS AND SIMILAR ROOMS OR AREAS SHALL BE AFCI/GFCI PROTECTED PER 2017 FBC-R 3902.16

EAC CARBON MONOXIDE PROTECTION.
(1) DEFINITIONS: FOR PURPOSES OF THIS RULE, THE FOLLOWING DEFINITIONS SHALL APPLY:
(A) CARBON MONOXIDE ALARM: A DEVICE FOR THE PURPOSE OF DETECTING CARBON MONOXIDE, THAT PROVIDES A DISTINCT AUDIBLE ALARM, AND IS LISTED OR LABELED WITH THE APPROPRIATE STANDARD EITHER ANSULC 203A - 96, STANDARD FOR SINGLE AND MULTIPLE STATION CO ALARMS, INCORPORATED HEREIN BY REFERENCE, OR UL 2075 - 04, GAS AND VAPOR DETECTOR SENSOR, INCORPORATED HEREIN BY REFERENCE, IN ACCORDANCE WITH ITS APPLICATION. BOTH DOCUMENTS MAY BE OBTAINED BY WRITING TO: CODES AND STANDARDS SECTION, DEPARTMENT OF COMMUNITY AFFAIRS, 2505 SHIRAZO DAK BOULEVARD, TALLAHASSEE, FLORIDA 32399-2100.
(B) FOSSIL FUEL: COAL, KEROSENE, OIL, FUEL GASES, OR OTHER PETROLEUM OR HYDROCARBON PRODUCT THAT EMITS CARBON MONOXIDE AS A BY-PRODUCT OF COMBUSTION.
(2) EVERY BUILDING FOR WHICH A PERMIT FOR NEW CONSTRUCTION IS ISSUED ON OR AFTER 7/1/08 AND HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE, OR AN ATTACHED GARAGE SHALL HAVE AN OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES.
(3) IN NEW CONSTRUCTION, ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERVED FROM THE LOCAL POWER UTILITY. SUCH ALARMS SHALL HAVE BATTERY BACK UP.
(4) COMBINATION SMOKE/CARBON MONOXIDE ALARMS SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
SPECIFIC AUTHORITY 555.885(2) FS, LAW IMPLEMENTED 555.72, 555.75(2), (3), (7), (9), 555.885(2) FS HISTORY NEW 11-8-07.



EXHAUST FAN VENT/DRYER VENT NOTES

ALL BATHROOM EXHAUST FAN VENTS SHALL EXTEND FROM UNIT UP THRU ROOF TO EXTERIOR AND TERMINATE WITH WEATHERPROOF CAP/GRILLE, OR OUT THROUGH SOFFIT AND TERMINATE WITH WEATHERPROOF CAP/GRILLE.

DRYER PIPE VENTING SHALL EXTEND FROM UNIT OUT THRU ADJACENT EXTERIOR WALL (WHERE APPLICABLE) AND TERMINATE WITH WEATHERPROOF CAP/GRILLE.

WHERE UNABLE TO EXTEND THRU ADJACENT EXTERIOR WALL, DRYER VENT SHALL EXTEND FROM UNIT UP THRU ROOF TO EXTERIOR AND TERMINATE WITH WEATHERPROOF CAP/GRILLE.

NOTE: THIS DESIGN/HIGHWAY AND ENERGY CALCULATIONS WILL BE SUBMITTED BY OWNER CONTRACTOR WITH THESE PLANS FOR PERMITTING.

GENERAL NOTES

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- DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.

DO NOT SCALE DRAWINGS

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