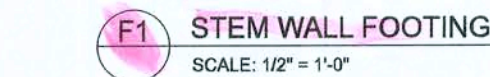
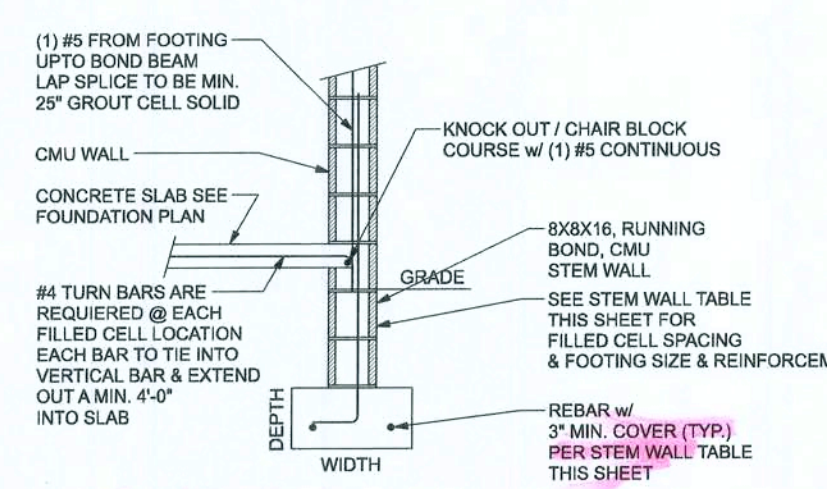
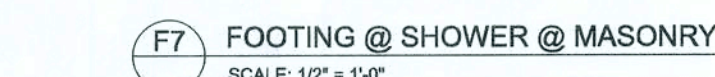
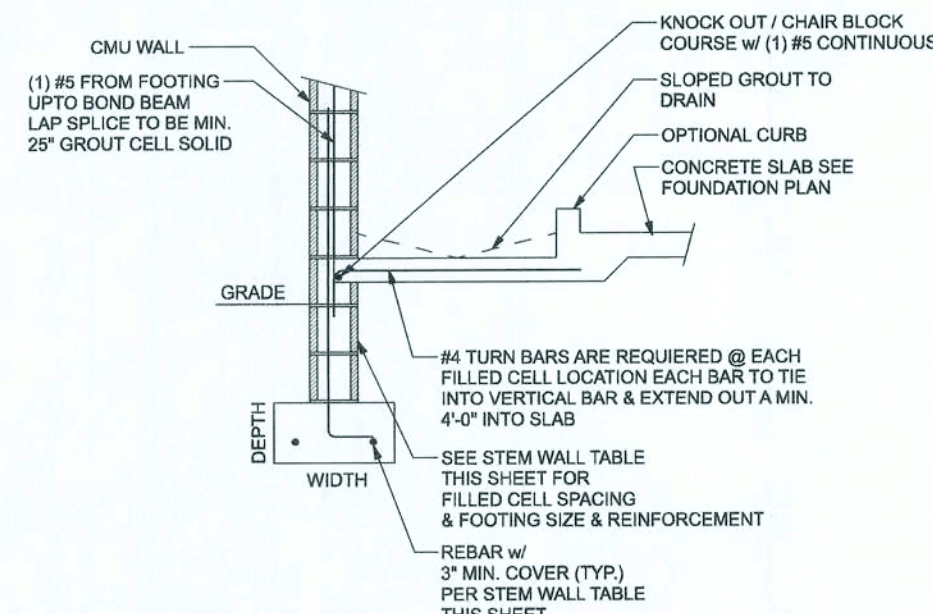
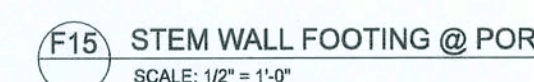
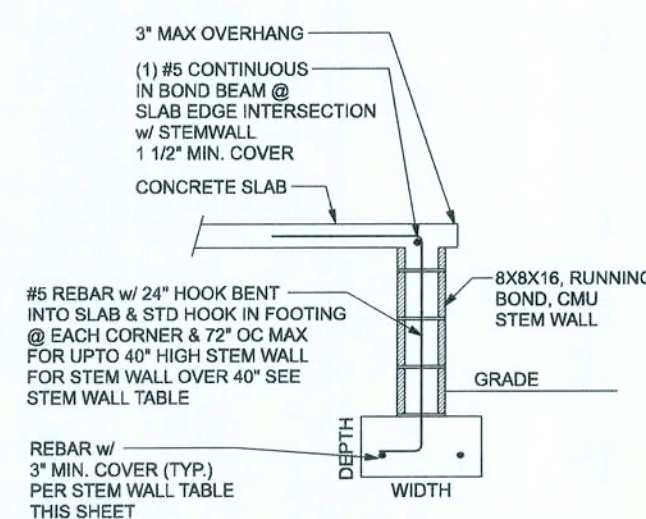
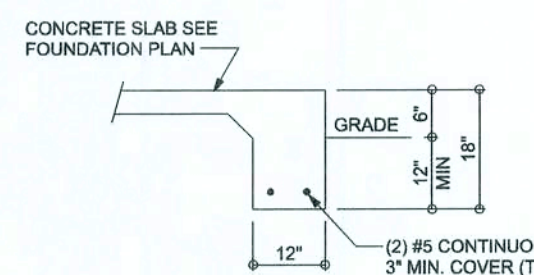
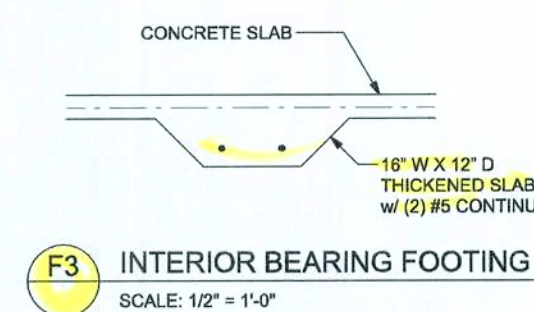
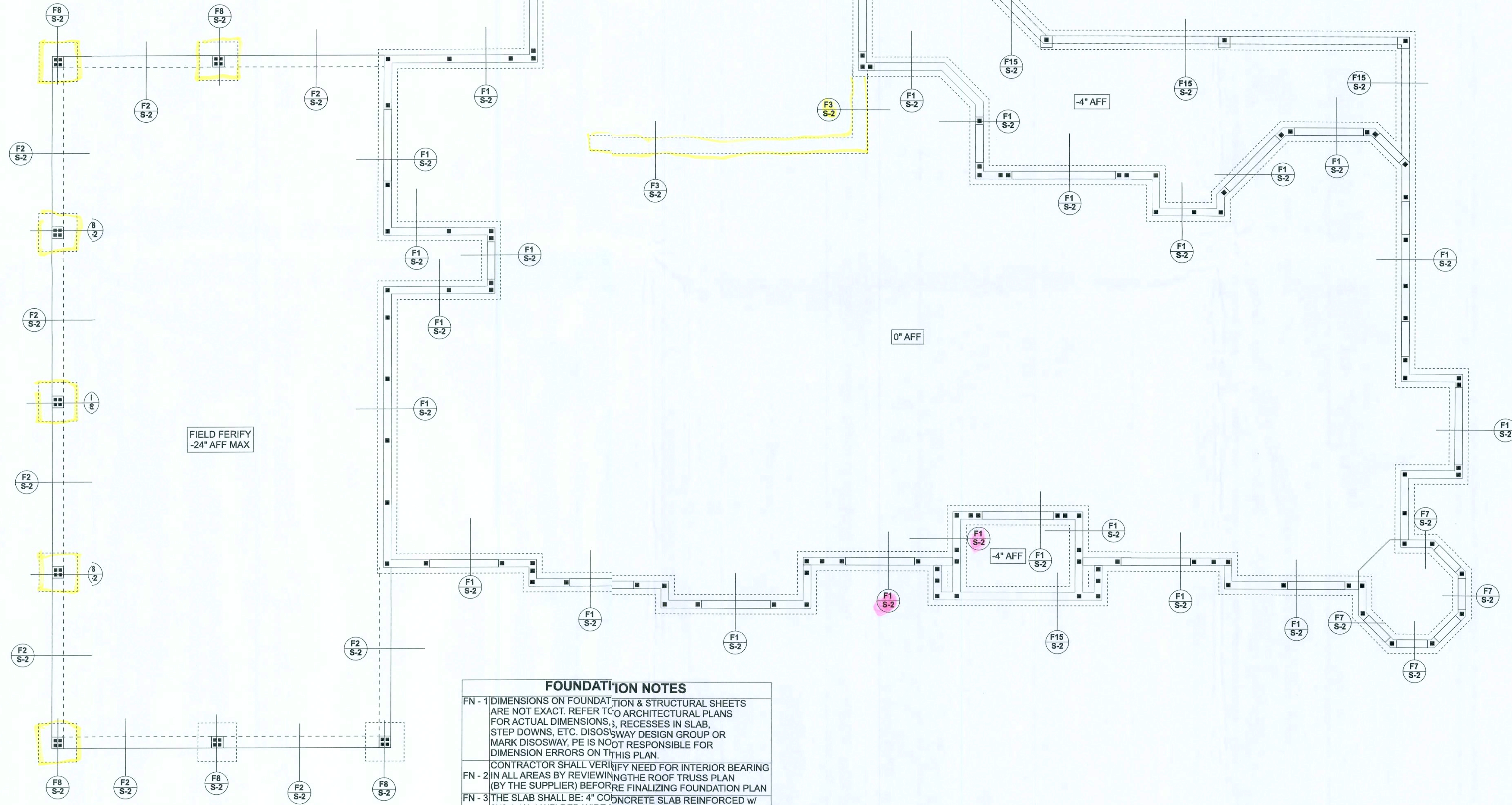
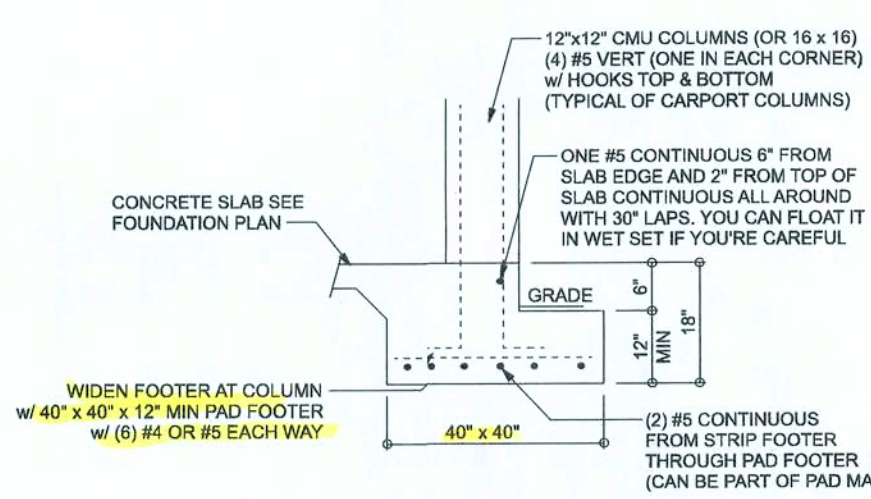


OF3 SHEETS



STEM WALL TABLE						
STEM WALL HEIGHT	FOOTING DIMENSION				NUMBER / SIZE OF REBAR IN FOOTING	MAX FILLED CELL SPACING (O.C.) IN STEM WALL
	1-STORY		2-STORY			
	DEPTH	WIDTH	DEPTH	WIDTH		
8" - 40"	10"	20"	10"	24"	(2) #5 REBARS FOR 1-STORY OR (3) #5 REBARS FOR 2-STORY?	MATCH FILLED CELL SPACING PER PLAN
46" - 64"	10"	20"	10"	24"	(2) #5 REBARS FOR 1-STORY OR (3) #5 REBARS FOR 2-STORY?	40"
72" - 80"	10"	30"	10"	30"	(3) #5 REBARS FOR 1-STORY & 2-STORY	32"



FOUNDATION NOTES

FN - 1 DIMENSIONS ON FOUNDATION & STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC. DISOSWAY DESIGN GROUP OR MARK DISOSWAY, PE IS NOT RESPONSIBLE FOR DIMENSION ERRORS ON THIS PLAN.

CONTRACTOR SHALL VERIFY NEED FOR INTERIOR BEARING (BY THE SUPPLIER) BEFORE FINALIZING FOUNDATION PLAN

FN - 2 IN ALL AREAS BY REVIEWING THE ROOF TRUSS PLAN

FN - 3 THE SLAB SHALL BE: 4\"/>

Donald & Tawnya Little
Residence

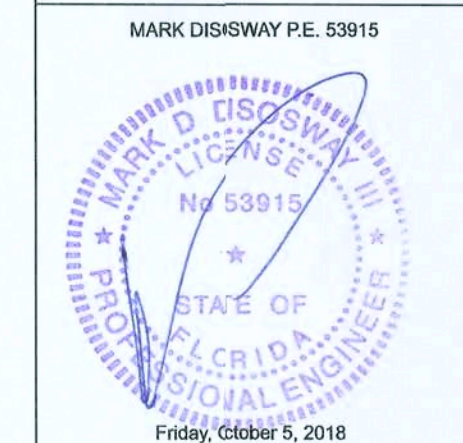
PROJECT ADDRESS:
1859 SW Little Rd
Lake City, FL 32024
Columbia County, FL

DIMENSIONS:
Stated dimensions approximate scaled dimensions. Refer a questions to Mark Disosway, P.E. for resolution. Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disosway, P.E. hereby expressly reserves his common law copyright and property right in these instruments created. This document is not to be reproduced, altered or copied in any form or manner without first the express written permission and consent of Mark Disosway.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to wind engineering comply with the 6th edition Florida Building Code Residential (2017) to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.



Mark Disosway P.E.
163 SW Midtown Place
Suite 103
Lake City, Florida 32025
386.754.5419
disoswaydesign@gmail.com

JOB NUMBER:
180696

S-2
OF: SHEETS

SAFE GRAVITY LOADS FOR 8" PRECAST & PRESTRESSED-INTLS		SAFE LOAD - POUNDS PER LEAF FOOT									
LENGTH	TYPE	8R/8	8F13-08	8F15-08	8F17-08	8F19-08	8F21-08	8F23-08	8F25-08	8F27-08	8F29-08
2'-10" (84")	PRECAST	2231	3069	4055	5113	7547	874	10394	11809		
2'-6" (42")	PRECAST	2231	3069	4055	5113	7547	874	10394	11809		
2'-6" (42")	PRECAST	2231	3069	3719	5163	6807	84	8602	10981		
4'-0" (48")	PRECAST	1966	2893	4055	5113	7547	874	10394	11809		
4'-0" (48")	PRECAST	1599	1969	2110	2931	3753	376	5400	6224		
4'-0" (48")	PRECAST	1599	2189	4375	5113	7547	874	10394	11809		
5'-0" (60")	PRECAST	1217	1349	1438	1999	2560	123	3689	4249		
5'-0" (60")	PRECAST	1062	1663	2080	2485	3741	242	3733	4717		
5'-0" (60")	PRECAST	1062	1100	1173	1631	2099	346	3009	3479		
6'-0" (72")	PRECAST	906	1238	2177	2440	3381	360	10394	8025		
7'-0" (84")	PRECAST	743	1011	1729	2661	3683	561	8487	6472		
8'-0" (96")	PRECAST	554	699	1180	1625	2564	468	2818	3302		
10'-0" (120")	PRECAST	475	752	1345	1843	2564	468	4705	6790		
11'-0" (132")	PRECAST	382	630	890	1247	2093	777	2193	2508		
12'-0" (144")	PRECAST	337	582	845	1369	1849	523	3127	4008		
12'-0" (144")	PRECAST	337	540	873	1254	1684	193	2003	3052		
12'-0" (144")	PRECAST	298	471	755	1075	1428	338	2318	2983		
14'-0" (168")	PRECAST	279	424	706	1002	1328	897	2127	2830		
14'-0" (168")	PRECAST	279	442	706	1002	1328	897	2127	2830		
14'-0" (168")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.		
14'-0" (168")	PRESTRESSED	N.R.	459	783	1370	1902	240	2517	2712		
15'-0" (180")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.		
15'-0" (180")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.		
15'-0" (180")	PRESTRESSED	N.R.	267	536	890	1268	269	1849	2547		
15'-0" (180")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.		
15'-0" (180")	PRESTRESSED	N.R.	235	418	750	1037	382	1515	1718		
21'-0" (252")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.		
22'-0" (264")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.		
22'-0" (264")	PRESTRESSED	N.R.	180	349	598	845	114	1359	1468		
24'-0" (288")	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.		
24'-0" (288")	PRESTRESSED	N.R.	129	290	490	654	34	1058	1223		

SAFE GRAVITY LOADS FOR 8" PRECAST w/ 2" RECESS OR U-INTLS		SAFE LOAD - POUNDS PER LEAF FOOT									
LENGTH	TYPE	8R/8	8F13-08	8F15-08	8F17-08	8F19-08	8F21-08	8F23-08	8F25-08	8F27-08	8F29-08
4'-4" (52")	PRECAST	1635	1749	3353	3780	4349	271	5493	7567		
4'-8" (56")	PRECAST	1494	1681	2699	3167	3699	40	5479	10893		
5'-0" (60")	PRECAST	866	1758	2699	3167	3699	40	5479	10893		
5'-0" (60")	PRECAST	866	829	1770	1718	2277	29	4462	2666		
5'-10" (70")	PRECAST	810	899	1653	1600	2124	49	3174	3700		
6'-0" (72")	PRECAST	797	1113	2347	2482	3494	89	7402	8706		
6'-0" (72")	PRECAST	797	801	1635	3170	5048	47	5448	7380		
7'-0" (84")	PRECAST	669	901	1623	3170	5048	16	5479	10893		
7'-0" (84")	PRECAST	669	753	1490	2459	3778	43	7229	8623		
9'-0" (108")	PRECAST	411	753	1490	2459	3778	43	8999	10933		
9'-0" (108")	PRECAST	411	499	999	1668	2593	79	4901	3146		

SAFE LOAD TABLE NOTES

- All values based on minimum 4 inch nominal bearing.
- Exception: Safe loads for unfilled intels must be reduced by 20% if bearing length is less than 6 1/2 inches.
- N.R. = Not Rated
- Safe loads are superimposed allowable loads.
- Safe loads based on grade 40 or grade 60 reinforcement.
- One #7 rebar may be substituted for two #6 rebars in 8" intels only.
- The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d-away from face of support.

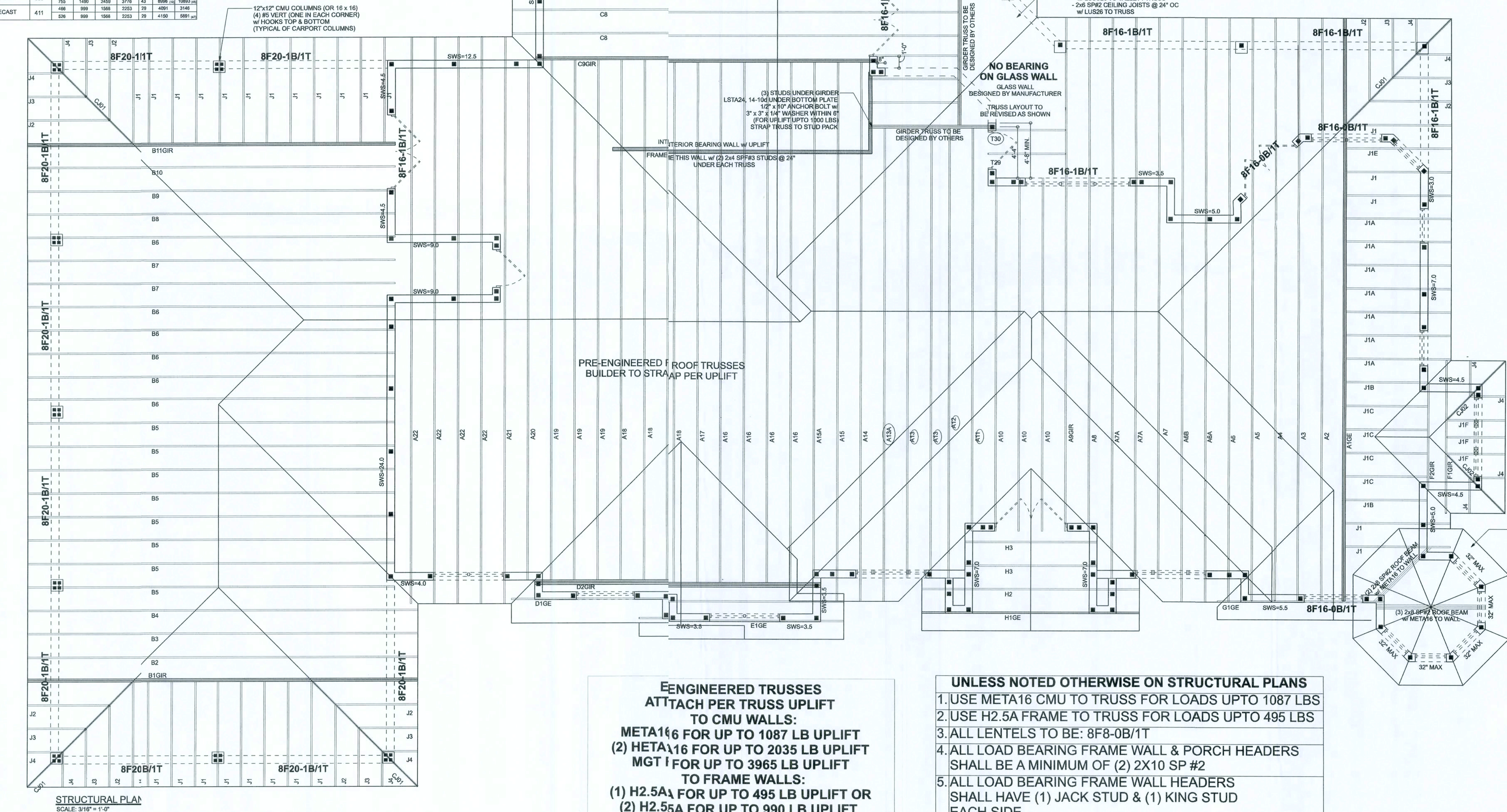
MATERIALS

- 8" precast intel = 3500 psi
- 7" precast intel = 6000 psi
- GROUT per ASTM C476 Fc = 3000 psi w/ maximum 36 inch aggregate & 8 to 11 inch slump
- Concrete Masonry Units (CMU) per ASTM C90 minimum net area compressive strength = 1900 psi
- Rebar per ASTM A615 grade 60
- Posttensioning strand per ASTM A416 grade 270 low relaxation
- Mortar per ASTM C270 type M or S

GENERAL NOTES

- Provide full mortar bed and head joints.
- Show filled intels as required.
- Installation of intel must comply with the architectural and/or structural documents.
- U-Intels are manufactured with 5 1/2" long notches at the ends to accommodate vertical reinforcement and grouting.
- All intels meet or exceed L250 deflection, except intels 17'-0" and longer with a nominal height of 8" meet or exceed L180 deflection.
- Bottom field added rebar to be located at the bottom of the intel cavity.
- 7/32" diameter wire strips are welded to the bottom steel for mechanical anchorage.
- Cast-in-place concrete may be provided in composite intel in lieu of concrete masonry units.

- Safe load rating based on rational design analysis per ACI 318 and ACI 320
- Product Approvals: Miami-Dade County, Florida No. 03-0605-05
- The exterior surface of intels installed in exterior concrete masonry walls shall have a coating of stucco applied in accordance with ASTM C-208 or other approved coating.
- Intels loaded simultaneously with vertical (gravity or uplift) and horizontal (lateral) loads should be checked for the combined loading with the following equation:
Applied vertical load + Applied horizontal load ≤ 1.0 Safe vertical load
- Additional lateral load capacity can be obtained by the designer by providing additional reinforced concrete masonry above the intel. See detail at right:



ENGINEERED TRUSSES ATTACH PER TRUSS UPLIFT TO CMU WALLS:
META16 FOR UP TO 1087 LB UPLIFT
(2) META16 FOR UP TO 2035 LB UPLIFT
MG1 FOR UP TO 3965 LB UPLIFT
TO FRAME WALLS:
(1) H2.5A1 FOR UP TO 495 LB UPLIFT OR
(2) H2.5A FOR UP TO 990 LB UPLIFT
SEE CONNECTOR TABLE OR SIMPSON BOOK FOR ADDITIONAL OPTIONS

- UNLESS NOTED OTHERWISE ON STRUCTURAL PLANS**
- USE META16 CMU TO TRUSS FOR LOADS UPTO 1087 LBS
 - USE H2.5A FRAME TO TRUSS FOR LOADS UPTO 495 LBS
 - ALL LENTELS TO BE: 8F8-0B/1T
 - ALL LOAD BEARING FRAME WALL & PORCH HEADERS SHALL BE A MINIMUM OF (2) 2X10 SP #2
 - ALL LOAD BEARING FRAME WALL HEADERS SHALL HAVE (1) JACK STUD & (1) KING STUD EACH SIDE
 - ALL INTERIOR BEARING WALLS TO BE: IBW1 SEE DETAIL ON SHEET S-1
1/2" X 6" TITEN @ 48" OC
SP1 BOTTOM & SP2 TOP @ 32" OC

TOTAL SHEAR WALL SEGMENT

	SW	REINFORCED	ACTUAL
TRANSVERSE	75.2'	75.2'	119.0'
LONGITUDINAL	38.4'	75.0'	

STRUCTURAL PLAN NOTES

- DIMENSIONS ON STRUCTURAL SHEETS ARE NOT EXACT. REFER TO ARCHITECTURAL FLOOR PLAN FOR ACTUAL DIMENSIONS
- PERMANENT TRUSS BRACING IS TO BE INSTALLED AT LOCATIONS AS SHOWN ON THE SEALED TRUSS DRAWINGS. LATERAL BRACING IS TO BE RESTRAINED PER BCSS1-03, BCSS1-01, BCSS1-02, & BCSS1-03. BCSS1-01, BCSS1-02, & BCSS1-03 ARE FURNISHED BY THE TRUSS SUPPLIER, WITH THE SEALED TRUSS PACKAGE

Donald & Tammya Little
Residence

PROJECT ADDRESS:
1859 SW Little Rd
Lake City, FL 32024
Columbia County, FL

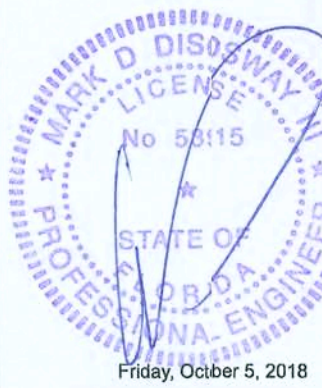
DIMENSIONS:
Stated dimensions supersedes scaled dimensions. Refer all questions to Mark Disoway, P.E. to resolution. Do not proceed without clarification.

COPYRIGHTS AND PROPERTY RIGHTS:
Mark Disoway, P.E. hereby expressly reserves its common law copyright and property right in these instruments of service. This document is not to be reproduced, altered or copied in any form or manner without the express written permission and consent of Mark Disoway.

CERTIFICATION: I hereby certify that I have examined this plan, and that the applicable portions of the plan, relating to civil engineering, comply with the 6th Edition Florida Building Code (2017) to the best of my knowledge.

LIMITATION: This design is valid for one building, at specified location.

MARK DISOWAY P.E. 53915



Mark Disoway P.E.
163 SW Milltown Place
Suite 103
Lake City, Florida 32025
386.774.5419
disowaydesign@gmail.com

JOB NUMBER:
18C696

S-3
OF 3 SHEETS



DDS Studios LLC
ddsstudios.com
386-365-1892

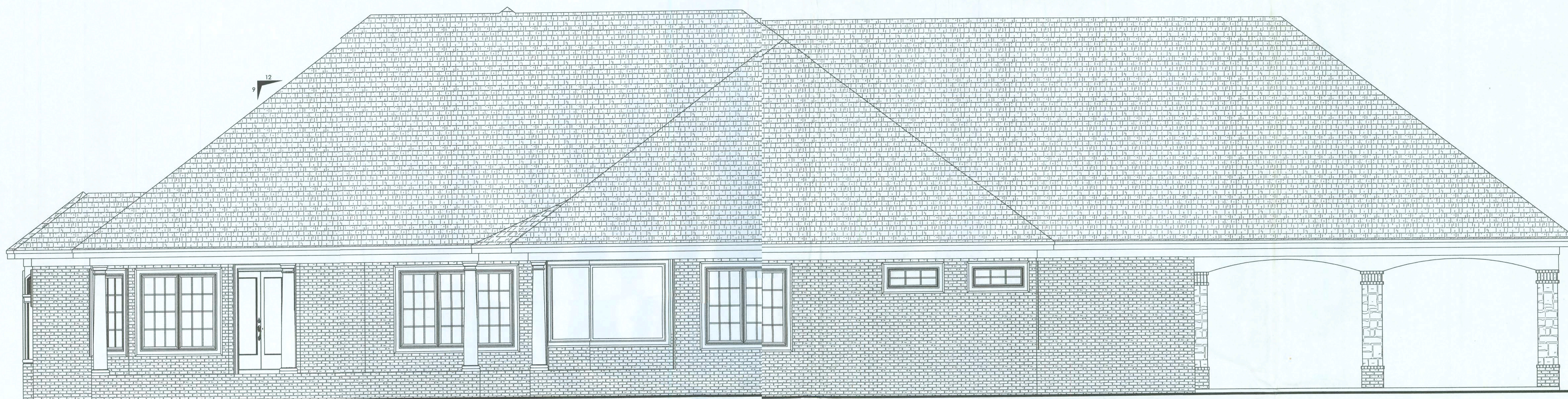


All Structural
See S-1 thru S-3



FRONT ELEVATION

SCALE: 1/4" = 1'



REAR ELEVATION

SCALE: 1/4" = 1'

A CUSTOM HOME DESIGNED FOR:

DONALD AND TAWNYA LITTLE

COPYRIGHT, DDS STUDIOS LLC 2017

Daniel Shatheen

EXTERIOR ELEVATIONS
ROOF PLAN

SHEET NUMBER

1 of 6

All work shall comply with the standard building code, and all applicable local codes and ordinances.
Contractor shall verify all dimensions prior to commencing construction.



DDS Studios LLC
ddsstudios.com
386-365-1892

A CUSTOM HOME DESIGNED FOR:
DONALD AND TAWNIA LITTLE
COPYRIGHT, DDS STUDIOS LLC 2017

Daniel Shaheen

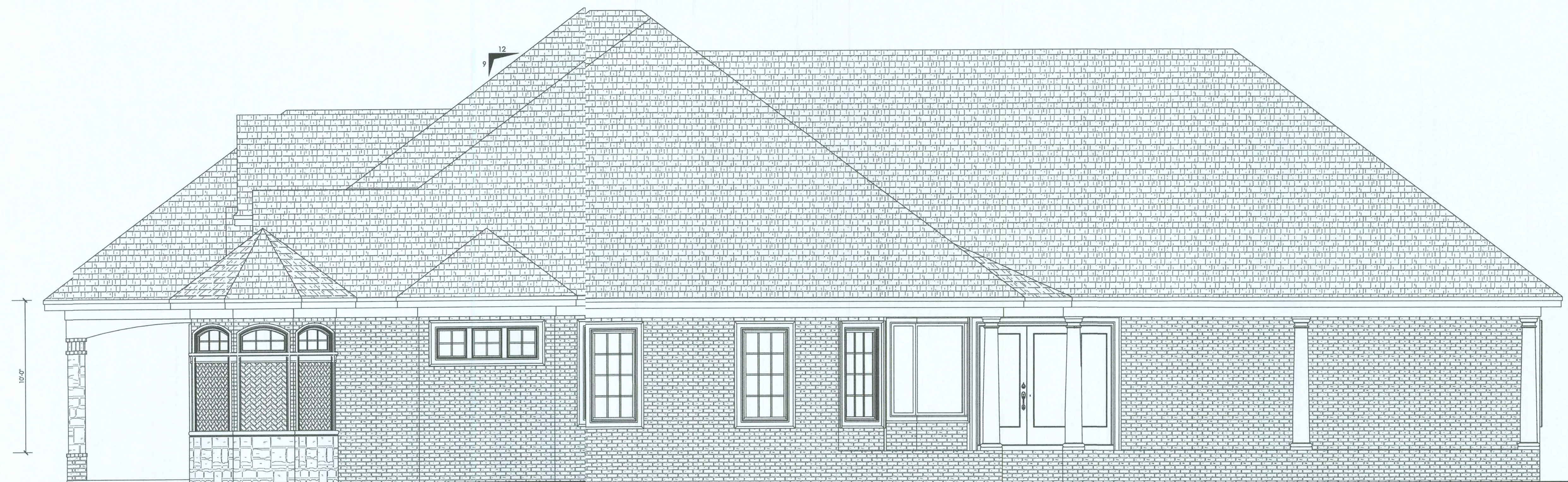
EXTERIOR ELEVATIONS
SECTIONS AND DETAILS

SHEET NUMBER
2 of 6

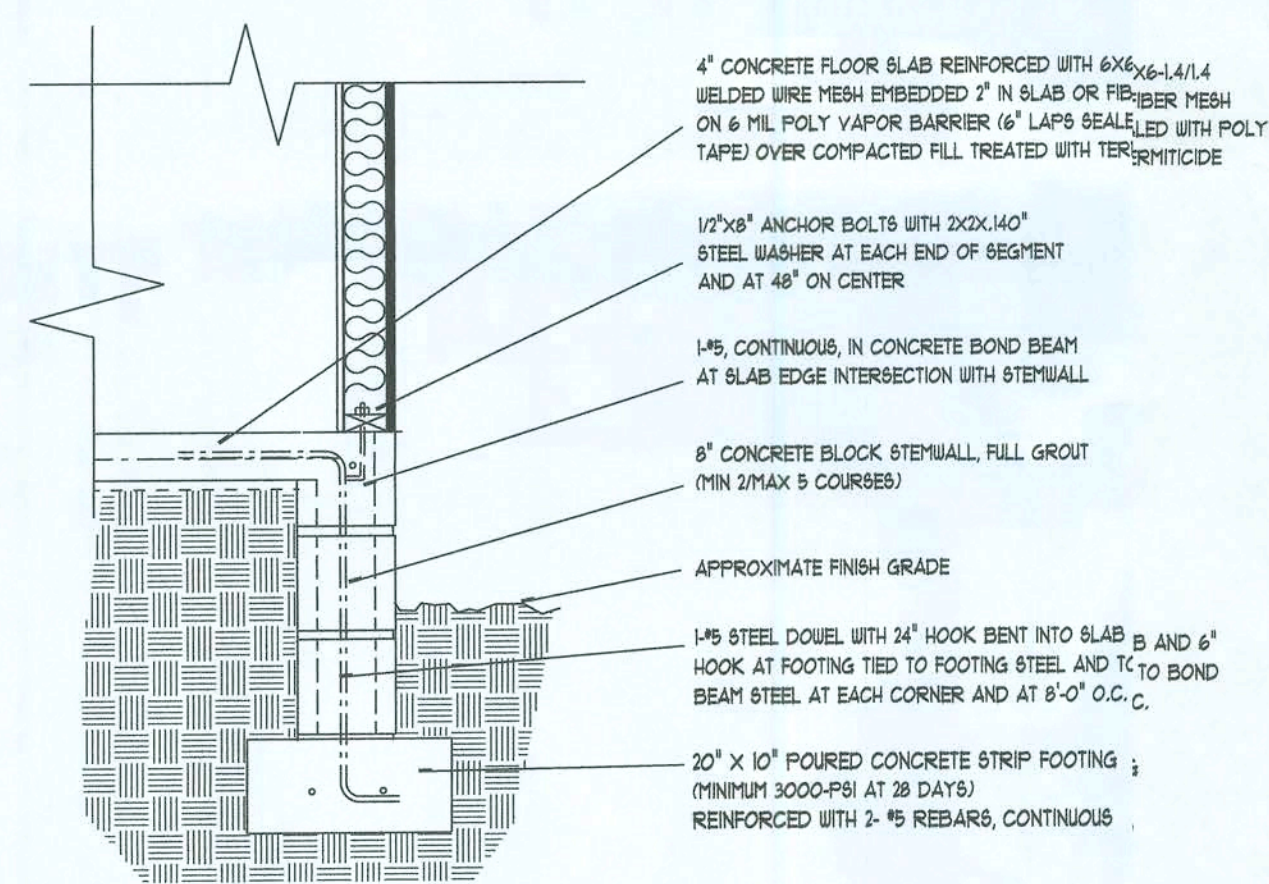
All work shall comply with the standard building code, and all applicable local codes and ordinances.
Contractor shall verify all dimensions prior to commencing construction.



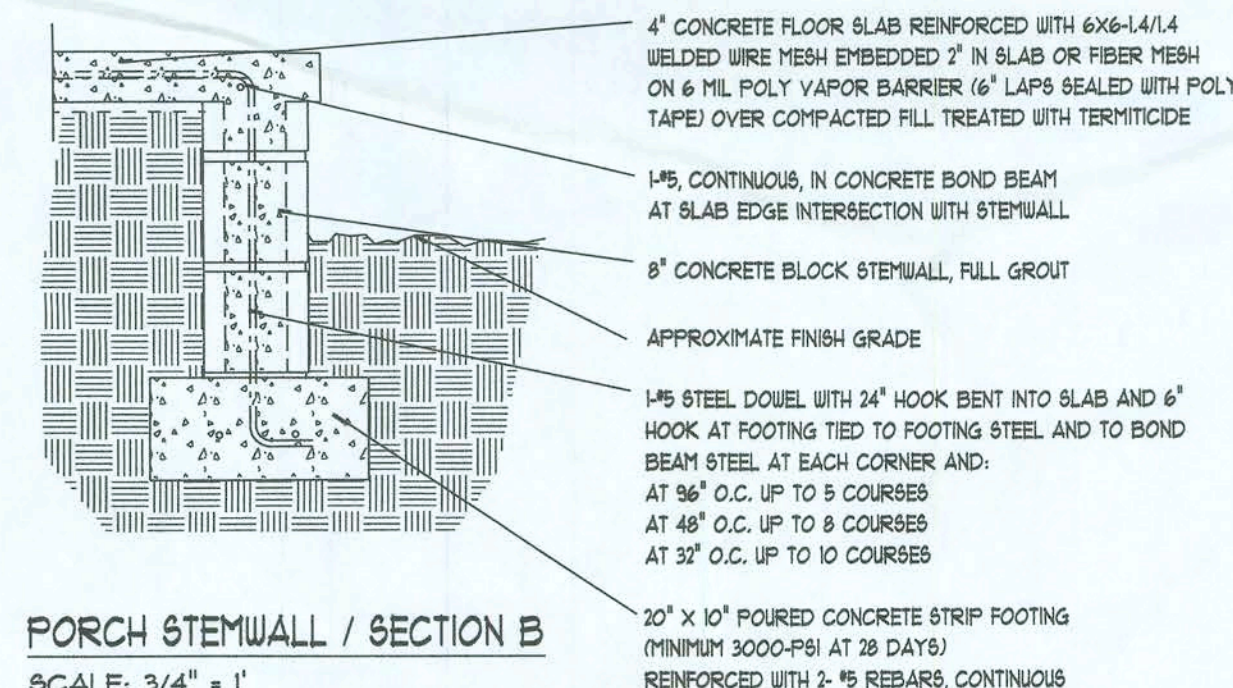
LEFT ELEVATION
SCALE: 1/4" = 1'



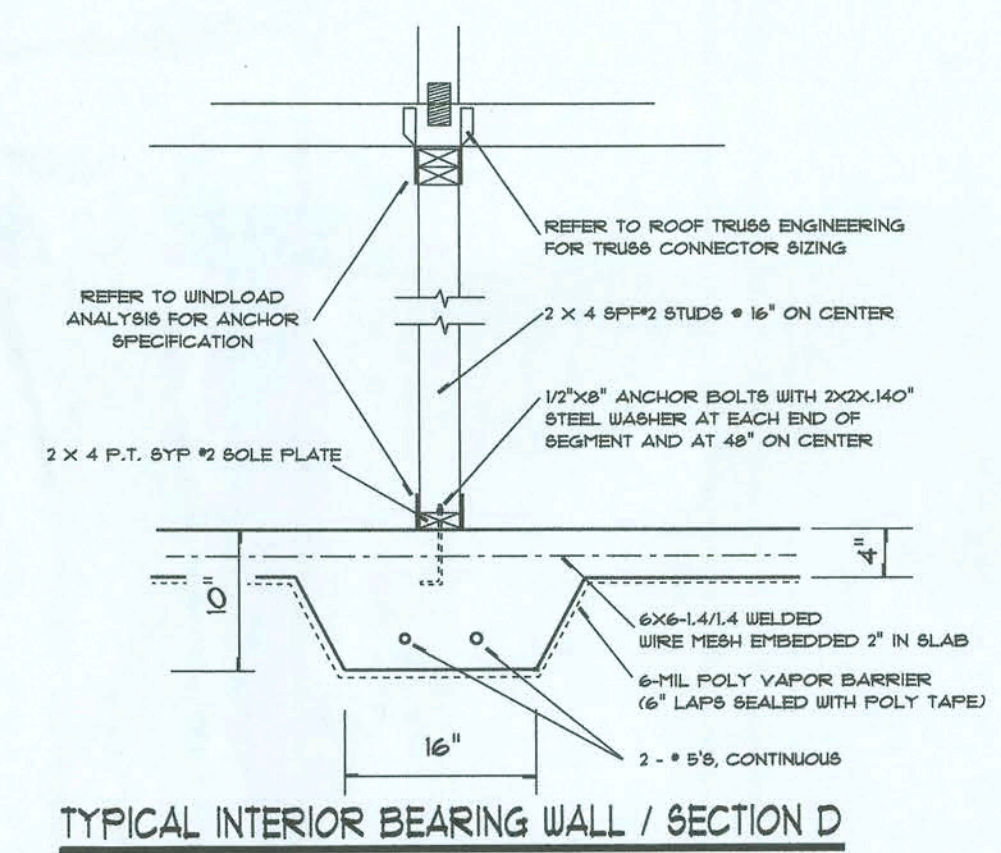
RIGHT ELEVATION
SCALE: 1/4" = 1'



TYPICAL STEMWALL SECTION A
SCALE: 3/4" = 1'



PORCH STEMWALL / SECTION B
SCALE: 3/4" = 1'



TYPICAL INTERIOR BEARING WALL / SECTION D
SCALE: 3/4" = 1'



DDS Studios LLC
ddsstudios.com
386-365-1892

A CUSTOM HOME DESIGNED FOR:
DONALD AND TAWNYA LITTLE
COPYRIGHT, DDS STUDIOS LLC 2017

Daniel Shaheen
Daniel Shaheen

FOUNDATION PLAN

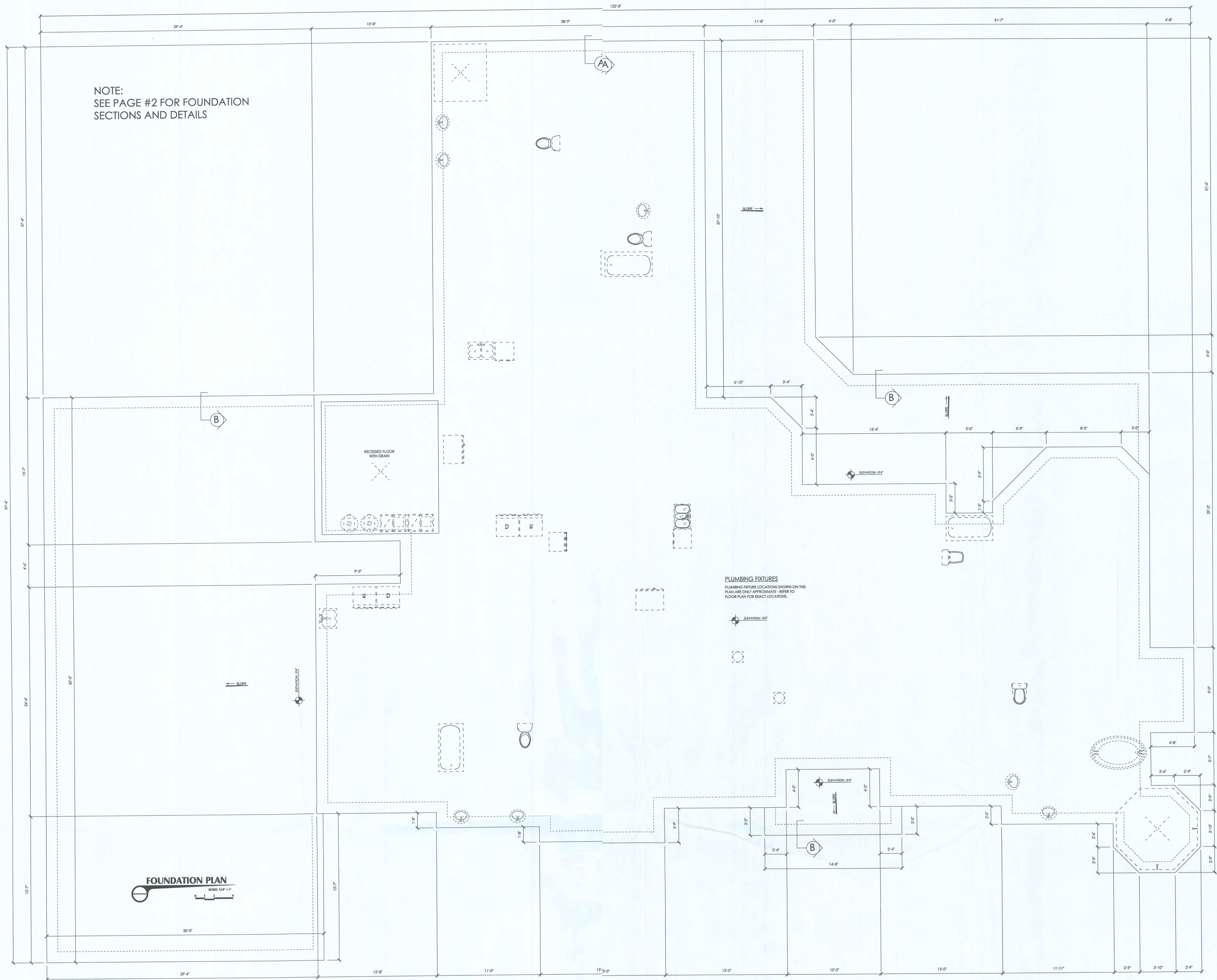
SHEET NUMBER
3 of 6

All work shall comply with the standard building code, and all applicable local codes and ordinances.
Contractor shall verify all dimensions prior to commencing construction.

NOTE:
SEE PAGE #2 FOR FOUNDATION SECTIONS AND DETAILS

FOUNDATION PLAN
SCALE: 1/4" = 1'

PLUMBING FIXTURES
PLUMBING FIXTURE LOCATIONS SHOWN ON THIS PLAN ARE ONLY APPROXIMATE - REFER TO FLOOR PLAN FOR EXACT LOCATIONS.





DDS Studios LLC
ddsstudios.com
386-365-1892

A CUSTOM HOME DESIGNED FOR:
DONALD AND TAWNYA LITTLE
COPYRIGHT, DDS STUDIOS LLC 2017

Daniel Shaheen

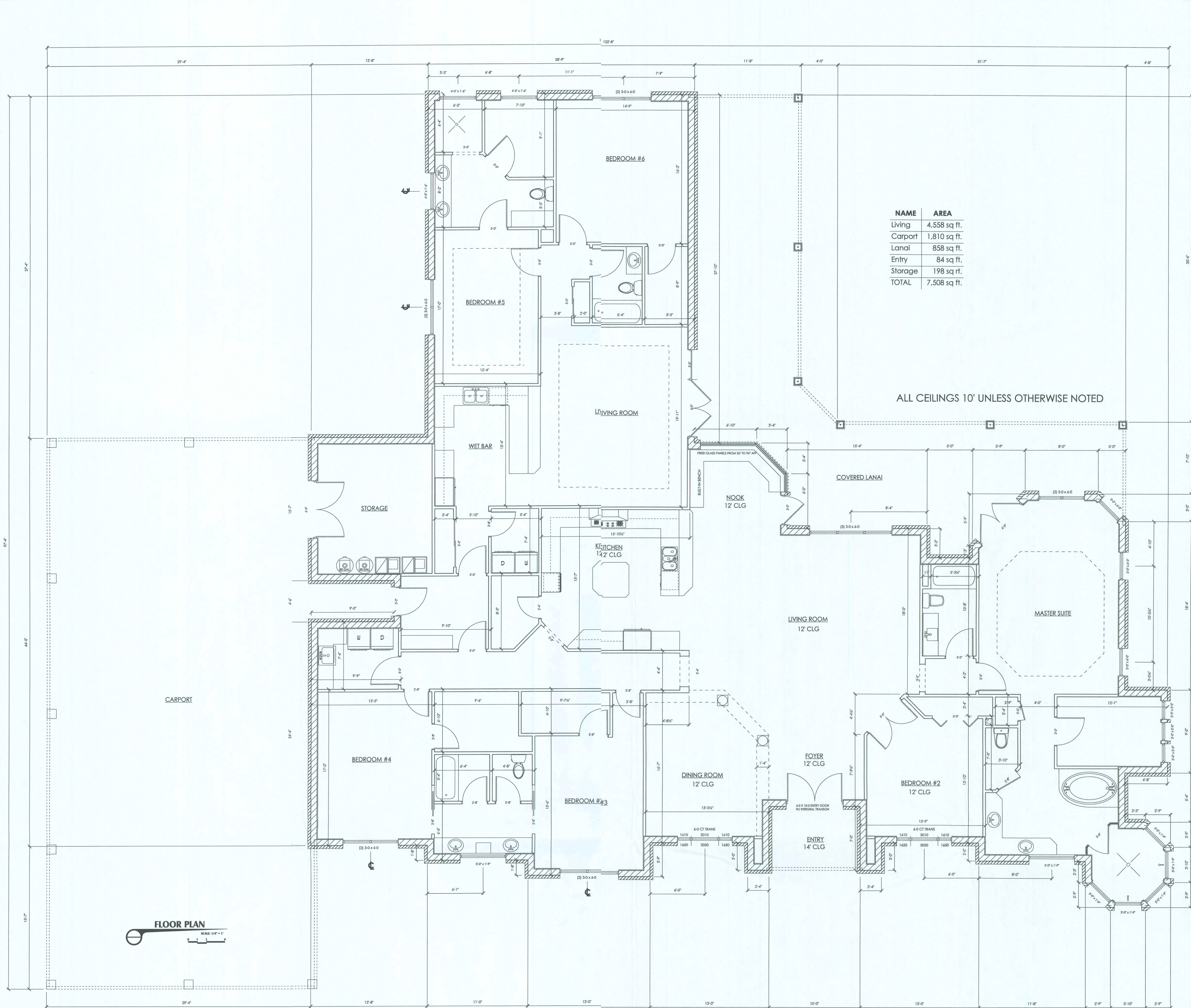
FLOOR PLAN

SHEET NUMBER

4 of 6

All work shall comply with the standard building code, and all applicable local codes and ordinances.

Contractor shall verify all dimensions prior to commencing construction





DPS Studios LLC
ddsstudios.com
386-365-1892

A CUSTOM HOME DESIGNED FOR:
DONALD AND TAWNIA LITTLE
COPYRIGHT, DDS STUDIOS LLC 2017

Daniel Shaheen

ELECTRICAL PLAN
SITE PLAN

SHEET NUMBER
5 of 6

All work shall comply with the standard building code, and all applicable local codes and ordinances.
Contractor shall verify all dimensions prior to commencing construction

ELECTRICAL PLAN NOTES

INSTALLATION SHALL BE PER 2011 NATL. ELECTRIC CODE.

ELECTRICAL SERVICE PANEL SHALL BE GROUNDED TO FOUNDATION STEEL WITH #4 BARE COPPER WIRE.

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

ANY BUILDING HAVING A FOSSIL-FUEL-BURNING HEATER OR APPLIANCE, A FIREPLACE OR AN ATTACHED GARAGE SHALL HAVE CARBON MONOXIDE DETECTORS WITHIN 10' OF ALL BEDROOMS, 12' ABOVE FINISHED FLOOR, INTERLOCKED TOGETHER.

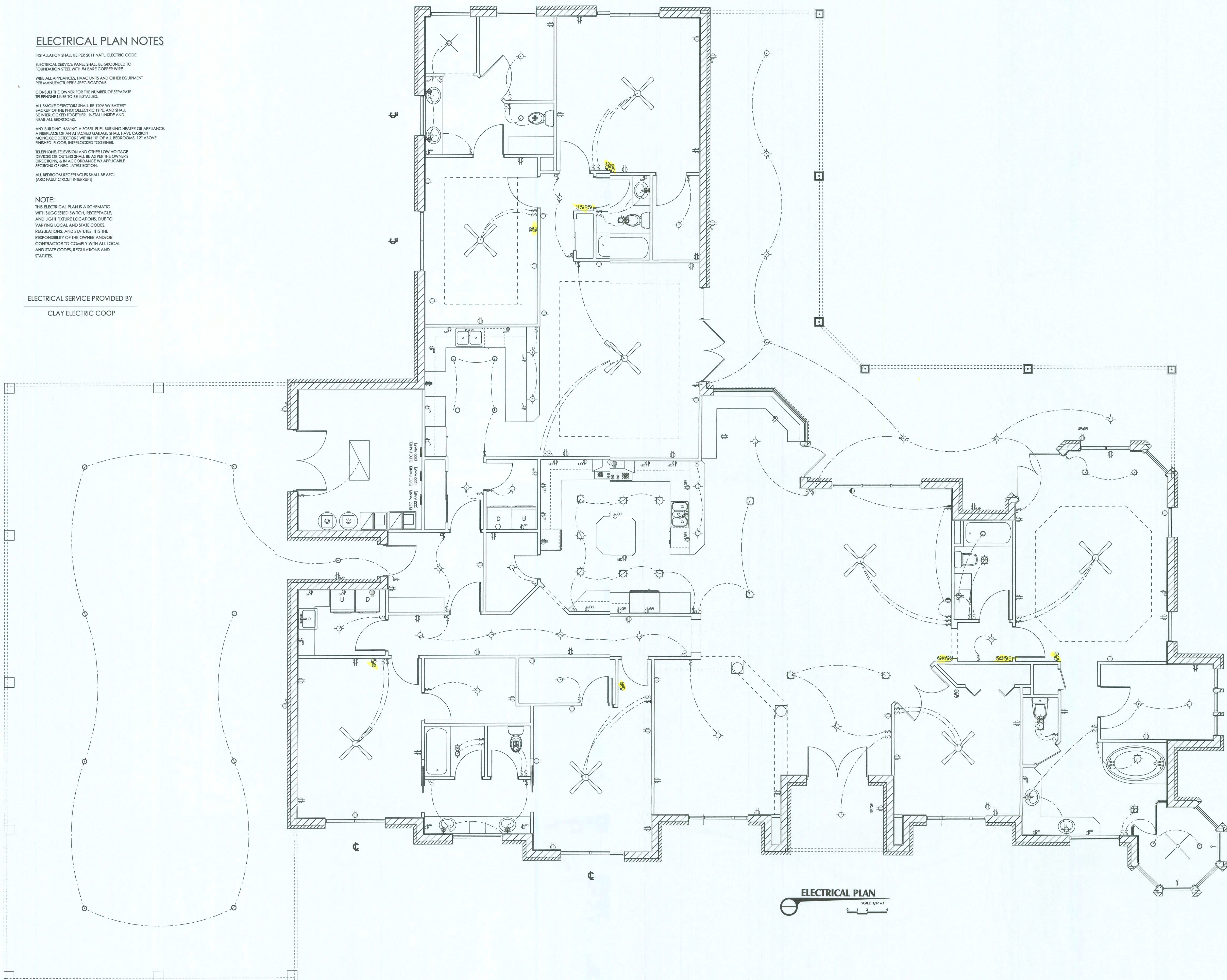
TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ALL BEDROOM RECEPTACLES SHALL BE AFCI (ARC FAULT CIRCUIT INTERRUPT)

NOTE:

THIS ELECTRICAL PLAN IS A SCHEMATIC WITH SUGGESTED SWITCH, RECEPTACLE, AND LIGHT FIXTURE LOCATIONS. DUE TO VARYING LOCAL AND STATE CODES, REGULATIONS, AND STATUTES, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO COMPLY WITH ALL LOCAL AND STATE CODES, REGULATIONS AND STATUTES.

ELECTRICAL SERVICE PROVIDED BY
CLAY ELECTRIC COOP



ELECTRICAL PLAN
SCALE 1/8" = 1'



DDS Studios LLC
ddsstudios.com
386-365-1892

A CUSTOM HOME DESIGNED FOR:
DONALD AND TAWNYA LITTLE
COPYRIGHT, DDS STUDIOS LLC 2017

Daniel Shaheen

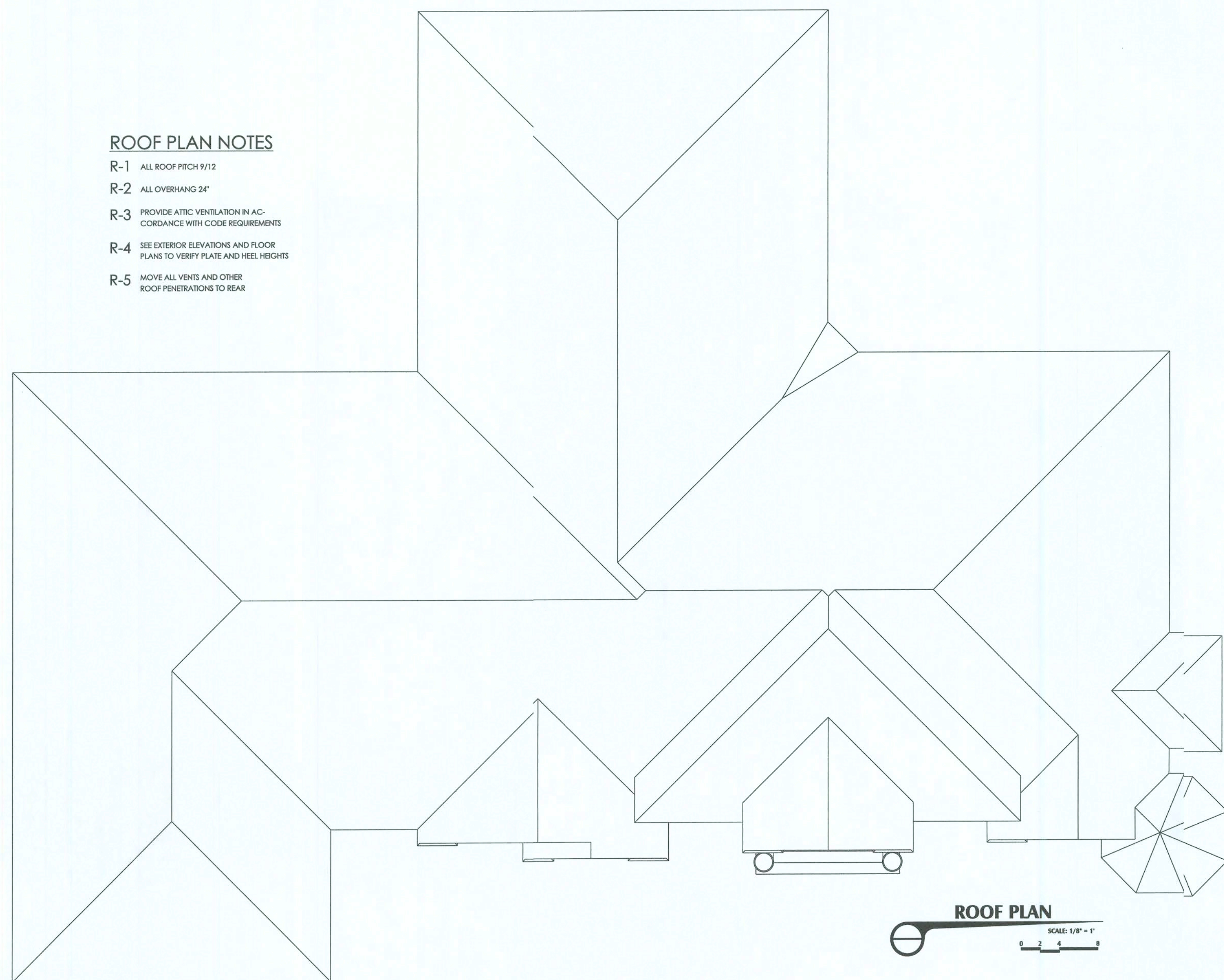
TYPICAL WALL SECTION
ROOF PLAN

SHEET NUMBER
6 of 6

All work shall comply with the standard building code, and all applicable local codes and ordinances.
Contractor shall verify all dimensions prior to commencing construction

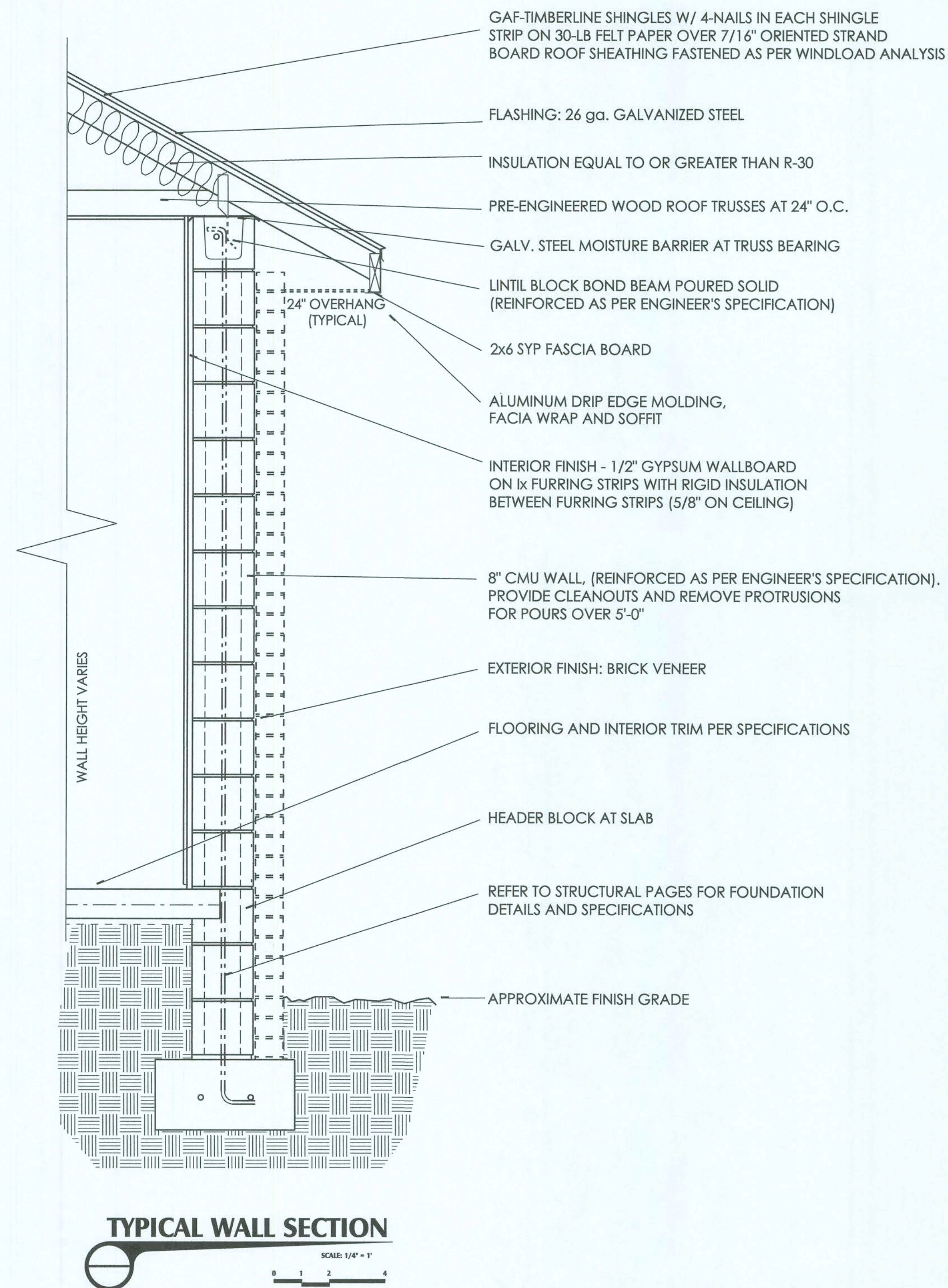
ROOF PLAN NOTES

- R-1 ALL ROOF PITCH 9/12
- R-2 ALL OVERHANG 24"
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH CODE REQUIREMENTS
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR



ROOF PLAN

SCALE: 1/8" = 1'



TYPICAL WALL SECTION

SCALE: 1/4" = 1'