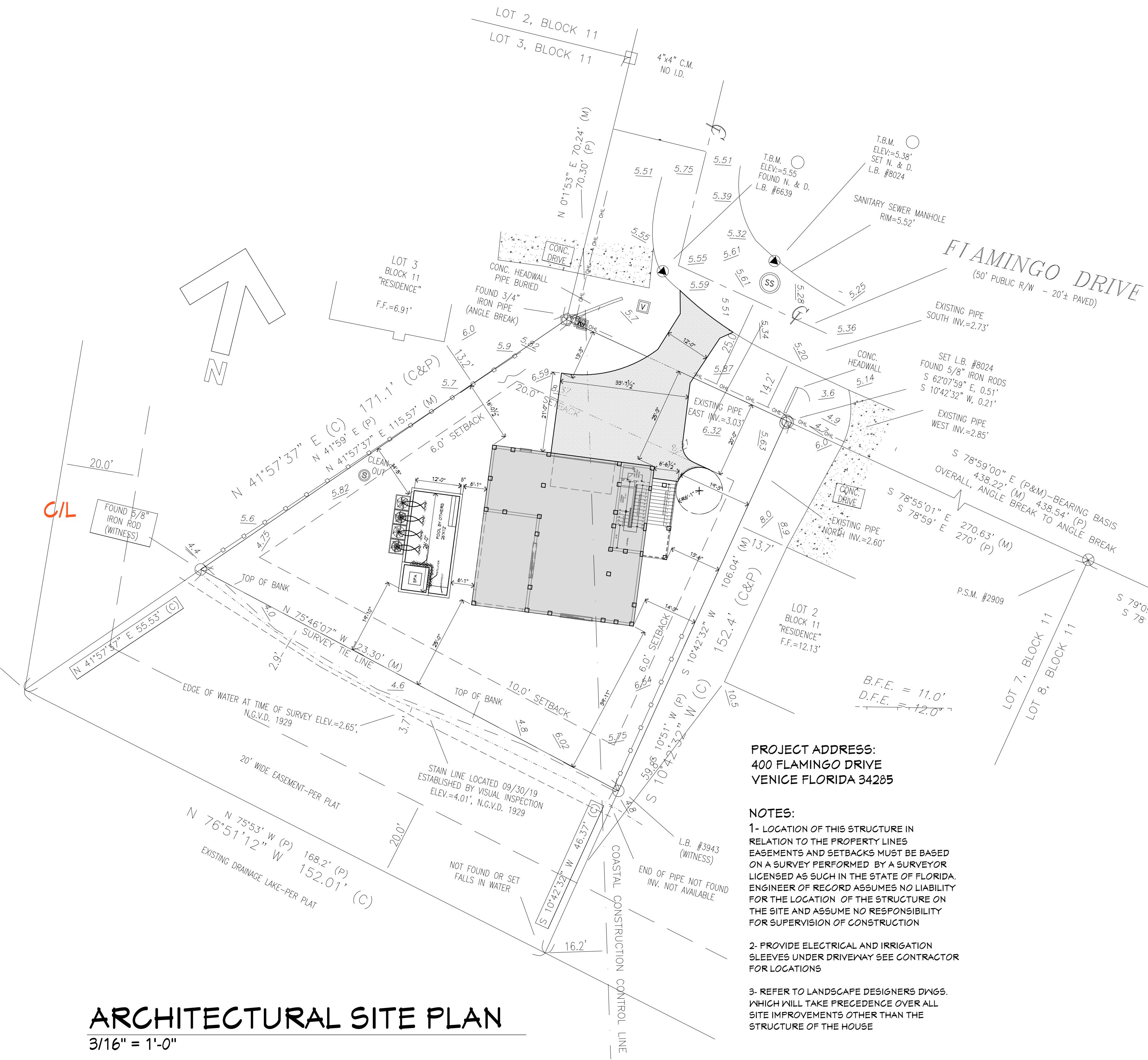


ARCHITECTURAL SITE PLAN

3/16" = 1'-0"



CODE INFORMATION

CONSTRUCTION TYPE:	V-B
OCCUPANCY TYPE:	R
APPLICABLE CODES:	2017 FBC 6th EDITION
	2017 FBC RESIDENTIAL
	2017 FBC MECHANICAL
	2017 FBC PLUMBING
	2017 FBC FUEL GAS
	2017 FBC ACCESSIBILITY
	2017 FBC ENERGY CONSERVATION
	2017 FBC TEST PROTOCOLS
	2017 FLORIDA FIRE PREVENTION CODE
	2014 NEC
	FLORIDA STATUTES
	FLORIDA ADMINISTRATIVE CODE
STRUCTURAL INFORMATION:	THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF ALL APPLICABLE STRUCTURAL SECTIONS OF FLORIDA BUILDING CODE 2017 EDITIONS AS WELL AS ASCE 7-10 WHERE APPLICABLE FOR 170 MPH OR LESS WIND SPEED. CERTIFICATION BY ENGINEER APPLIES TO STRUCTURAL DESIGN ONLY. ULTIMATE WIND SPEED = 170 MPH. - PER FBC FIGURE R301.2(4). S.S.D. RISK CATEGORY = II - PER FBC TABLE 1604.5 WIND EXPOSURE CATEGORY= D - PER FBCR 301.2.1.4.3. S.S.D. INTERNAL PRESSURE COEFFICIENT = +/-0.18 FULLY ENCLOSED - PER ASCE 7-10 WIND PRESSURES FOR COMPONENTS AND CLADDING FOR WALL ELEMENTS. = PER FBCR 301.2(2). S.S.D.

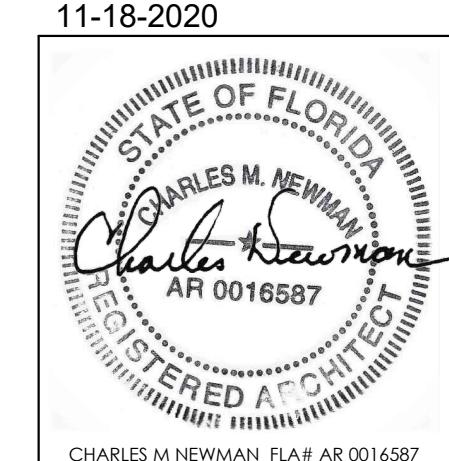


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CHARLES NEWMAN AIA

ARCHITECT FLA# AR 0016587



Revisions

ZONE		TRIBUTARY AREA - 170mph Exp. D MRH < 30' (ROOF > 7 TO 27 DEGREES)				
		10 FT ²	20 FT ²	50 FT ²	100 FT ²	500 FT ²
ROOF	INTERIOR (1)	+18.1/-28.6	+16.4/-27.9	+11.0/-26.8	+12.7/-26.0	+12.7/-26.0
	EDGE (2)	+18.1/-28.6	+16.4/-45.9	+11.0/-40.6	+12.7/-36.7	+12.7/-36.7
	OVERHANG	-58.4	-58.4	-58.4	-58.4	-58.4
	CORNER (3)	+18.1/-73.7	+16.4/-68.9	+11.0/-62.6	+12.7/-57.8	+12.7/-57.8
	OVERHANG	-98.2	-88.6	-75.9	-66.36	-66.36
WALL	INTERIOR (4)	+31.3/-34.0	+29.9/-32.6	+28.0/-30.7	+26.6/-29.3	+23.3/-26.0
	CORNER (5)	+31.3/-41.9	+29.9/-39.1	+28.0/-35.3	+26.6/-32.6	+23.3/-26.0

- (1)  GENERAL UPLIFT ZONE
- (4)  TYPICAL WALL
- (2)  END UPLIFT ZONE
- (5)  WALL AT CORNER
- (3)  CORNER UPLIFT ZONE

NOTES:

1. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
2. FREE DISTANCE "L" = 6' 0"

PROJECT NAME:
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drawn by:

checked by: GF

date: 10-30-2020

drawing no.

△ 1

A1

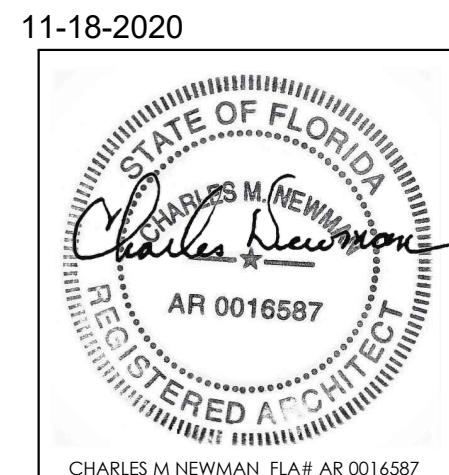


A
I
B
D

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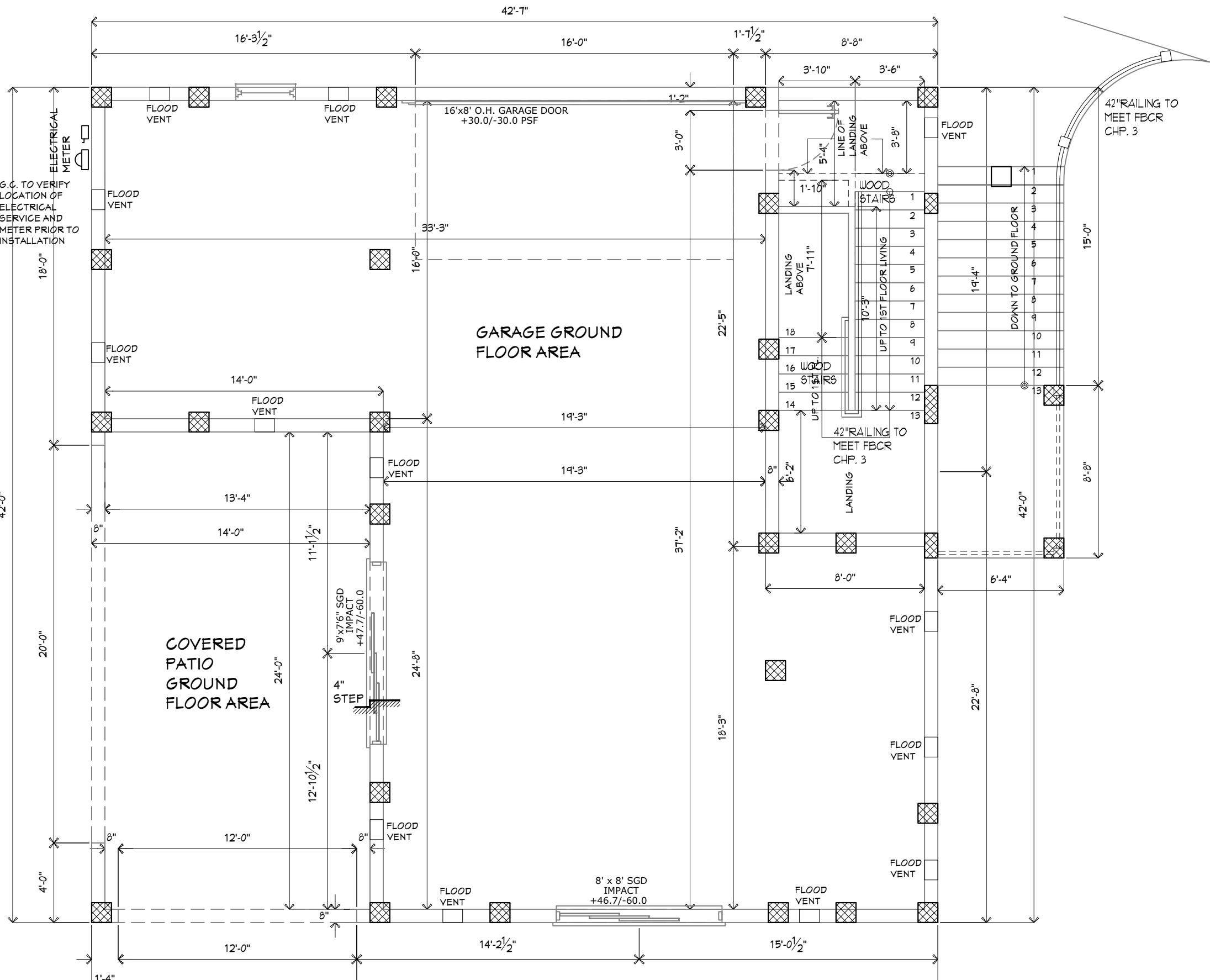
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checked by: GF

date: 10-30-2020

drawing no.

A2

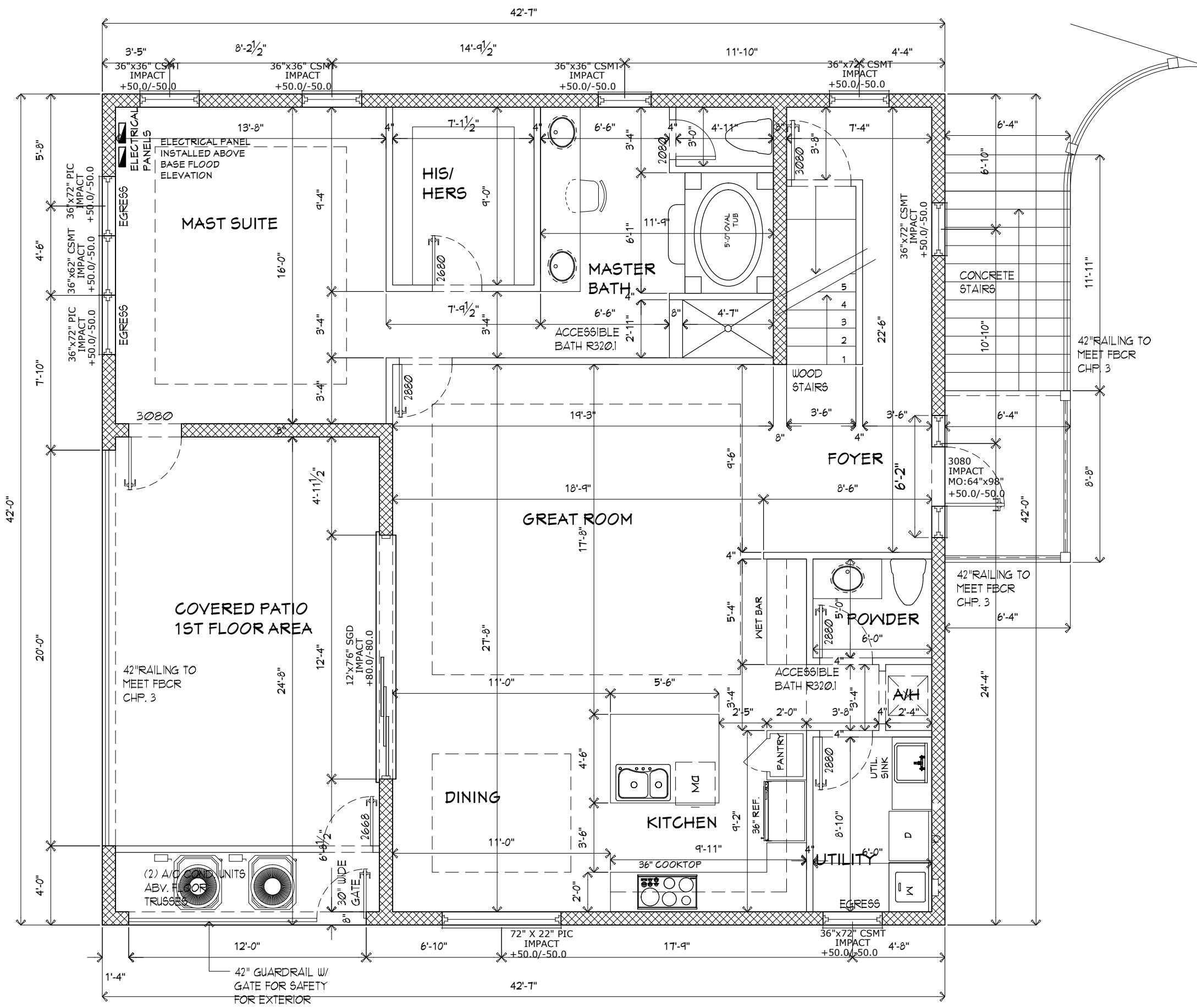


GROUND AREA CALCULATIONS

GROUND FLOOR GARAGE	1208
GROUND COVER PATIO	345
GROUND STAIRWAY	235
GROSS GROUND LEVEL	

GROUND FLOOR PLAN

3/16" = 1'-0"



1ST FLOOR AREA CALCULATIONS

1ST FLOOR LIVING	1372
1ST FL COVERED PATIO	345
GROSS 1ST FLOOR AREA	

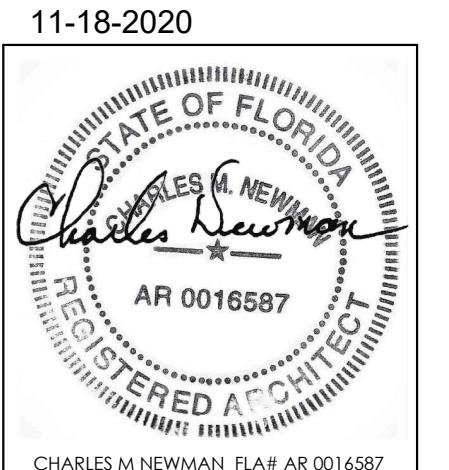
1ST FLOOR FLOOR PLAN

3/16" = 1'-0"

Garage door size	Cleary Building Products Company	Vinyl model 73	16546.5
Soffits	Aluminum Coils, Inc.	Aluminum Soffit	12194
Metal Roof	Metal Sales Manufacturing Corporation	Image II	11560.4
French doors outswing	PGT		20-0427.03
Right outswing	PGT		20-0427.03

CITY OF VENICE APPROVAL FORM:
PERMIT NUMBER
ADDRESS: 400 flamingo Drive, Venice, FL, 34285

TYPE	Manufacturer	Model/series	reserved for examiners	Florida Approval codes:	Miami Dade
Entrance Front Door	PlastPro Swing Door	Fiberglass door: Right Inswing http://frontdoorhdbg.com/ImpactPP_Tech_Docs/FL17184_R7_A_E_00%20E		17184.01	
Side entrance door near garage	Jeld-WEN	Fiberglass single door left outswing		16708.2	
Impact Sliding door	Custom Window Systems Inc.	SGD 8800		20838.2	
Impact Sliding door	PGT	SGD 770		FL251-R31	17042012
Impact Sliding Door	MI windows & doors	1615/1617 SGD		26012.5	
Impact Window Casement	Jeld Wen	Premium Atlantic Vinyl		13999.4	
Impact Window Direct set	Jeld Wen	Premium Atlantic Vinyl		14088.3	
Pav Mull Accessories	Jeld Wen	Premium Atlantic Vinyl		11870.1	
Impact Window Direct set	Jeld Wen	Premium Atlantic Vinyl		14088.4	
Pav Mull Accessories	Jeld Wen	Premium Atlantic Vinyl		11870.1	



Revisions

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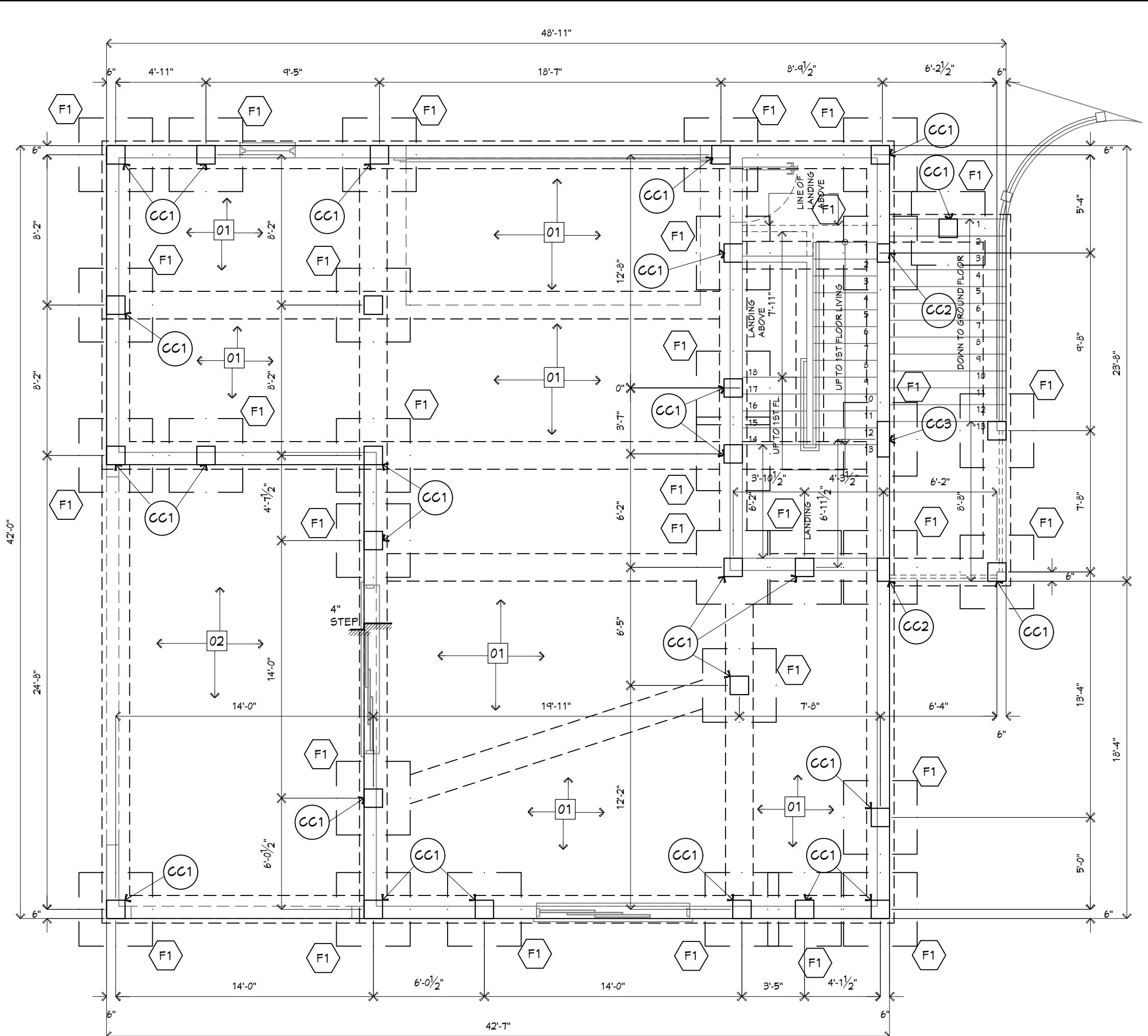
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checked by: GF

date: 10-30-2020

drawing no.

A4



FOUNDATION PLAN

3/16" = 1'-0"

WOOD BEAM SCHEDULE						
WOOD BEAM DESCRIPTION						
XB-1	(3) 1 3/4 X 16 2 0E 6P LAM LVL					
XB-2	(3) 2 X 12 1 1/2 DEEP HEB LVL PNTH 1/2" FLYWOOD FLITCH PLATES					
XB-3	(4) 1 3/4 X 16 2 0E 6P LAM LVL WITH 1/2" FLYWOOD FLITCH PLATES					
XB-4	(3) 1 3/4 X 11 7/8" 2 0E 6P LAM LVL					
XB-5	(3) 1 3/4 X 12 2 0E 6P LAM LVL					
XB-6	(2) 1 3/4 X 16 2 0E 6P LAM LVL					
XB-7	(4) 1 3/4 X 16 2 0E 6P LAM LVL					
XB-8	(4) 1 3/4 X 11 7/8" 2 0E 6P LAM LVL					

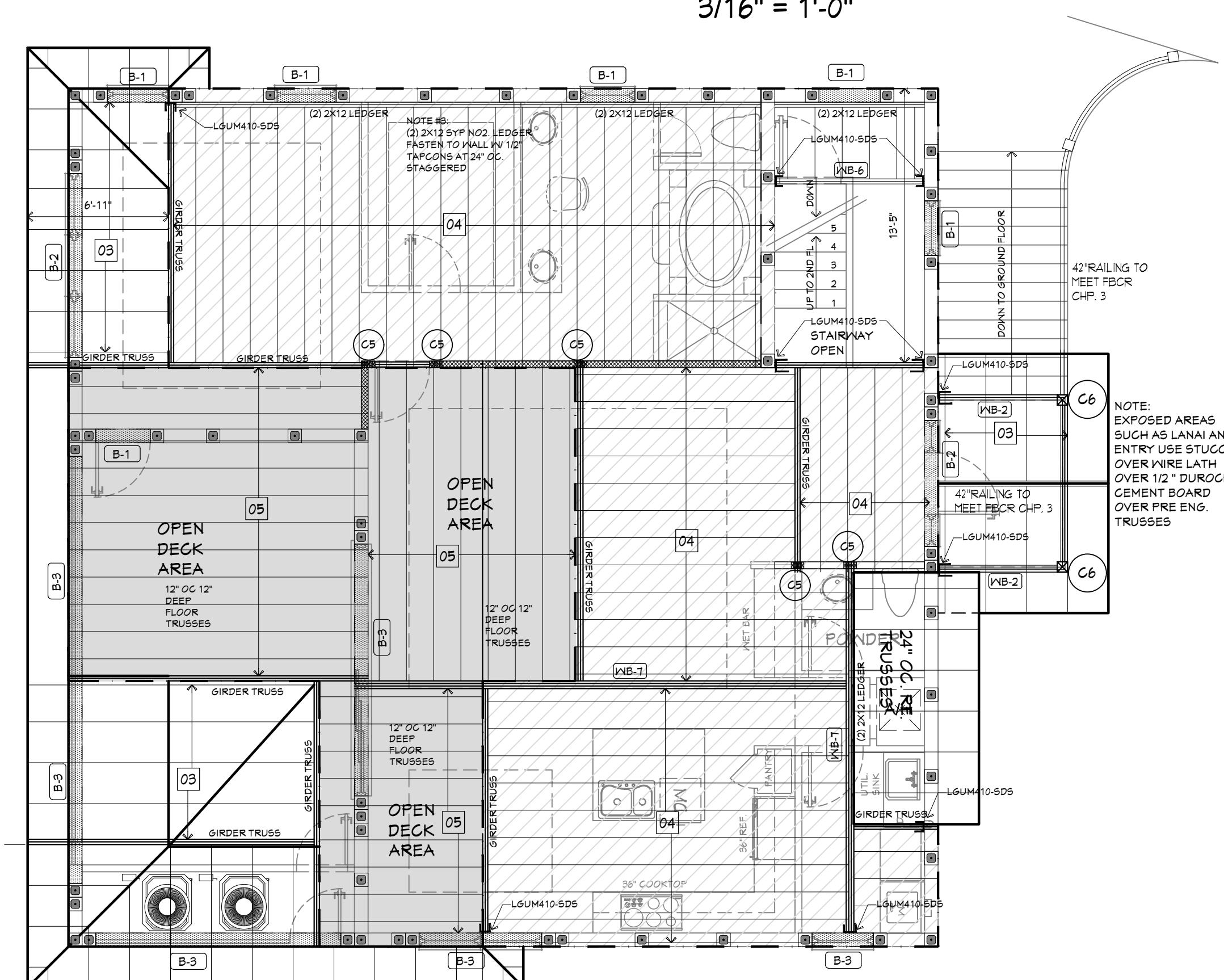
CONCRETE BEAM SCHEDULE						
BEAM DESIGNATION	TOP REINF.	MIDDLE REINF.	BOTTOM REINF.	SPAN	B	H
B-1	2#5		2#6	8"	16"	7"
B-2	2#5	2#5	2#7	8"	20"	7"
B-3	2#5	2#7	2#7	8"	20"	7"

COLUMN SCHEDULE						
COLUMN DESC.	COLUMN DESCRIPTION					
(CC1)	12" X 12" CAST IN PLACE CONCRETE COLUMN (SEE COLUMN PROFILE FOR SIZE AND REINFORCING)					
(CC2)	8" X 16" CAST IN PLACE CONCRETE COLUMN (SEE COLUMN PROFILE FOR SIZE AND REINFORCING)					
(CC3)	8" X 23" CAST IN PLACE CONCRETE COLUMN (SEE COLUMN PROFILE FOR SIZE AND REINFORCING)					
(C4)	(4) 2 X 6 NO 2 SYP. COLUMN. BASE CONNECTION SIMPSON HD8A. TOP CONNECTION (4) SIMPSON HT20					
(C5)	(5) 2 X 4 NO 2 SYP. COLUMN. BASE CONNECTION SIMPSON HD8A TOP CONNECTION (4) SIMPSON HT20.					
(C6)	6X6 PT POST COLUMN. BASE CONNECTION SIMPSON ABU66Z TOP CONNECTION W/SIMPSON CCQ66SDS2.5					

FOOTING SCHEDULE	SIZE	REQUIREMENTS
F1	4'-0" X 4'-0" X 1'-4"	PAID IN CONTINUOUS FOOTING #5 BARS AT 6" OC EA. WAY 3" CLEAR ALL SIDES OF PAD TOP & BOTTOM (TYP.)

KEYNOTES

- 01 4" THICK NON-STRUCTURAL SLAB ON GRADE W/ FIBERMESH, SAW CUT INTO 40" X 40" SECTION XW MIN. 3/4" DEEP CUT
- 02 PAVERS ON SAND BY OTHERS
- 03 PRE-ENGINEERED TRUSSSES AT 24" OC BY TRUSS MANUFACTURER
- 04 16" DEEP PRE-ENGINEERED FLOOR TRUSSSES AT 16" OC BY TRUSS MANUFACTURER
- 05 12" DEEP PRE-ENGINEERED FLOOR TRUSSSES AT 16" OC BY TRUSS MANUFACTURER

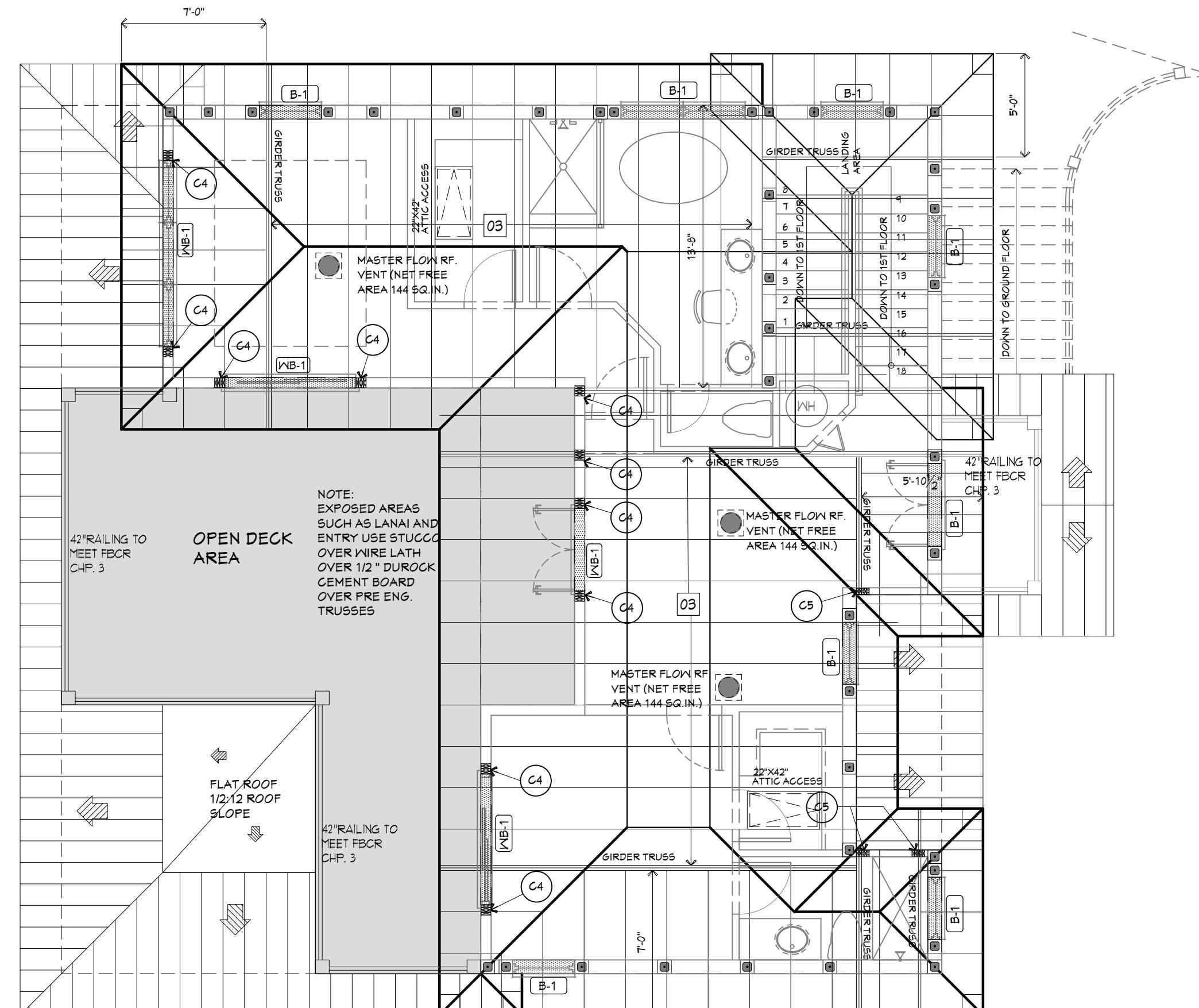


1ST FLOOR FRAMING

3/16" = 1'-0"

- 03 PRE-ENGINEERED ROOF TRUSSSES AT 24" OC BY TRUSS MANUFACTURER
- 04 16" DEEP PRE-ENGINEERED FLOOR TRUSSSES AT 16" OC BY TRUSS MANUFACTURER
- 05 12" DEEP PRE-ENGINEERED FLOOR TRUSSSES AT 16" OC BY TRUSS MANUFACTURER

EXPOSED TO WIND
ENTRY/LANAI AREA
15/32" RATED SHEATHING AT ALL
LANAI AND ENTRY WAYS. PROVIDE
8# RING OR SCREW SHANK NAILS @
6" OC AT EDGES AND 6" OC
INTERMEDIATE FIELD AREA.

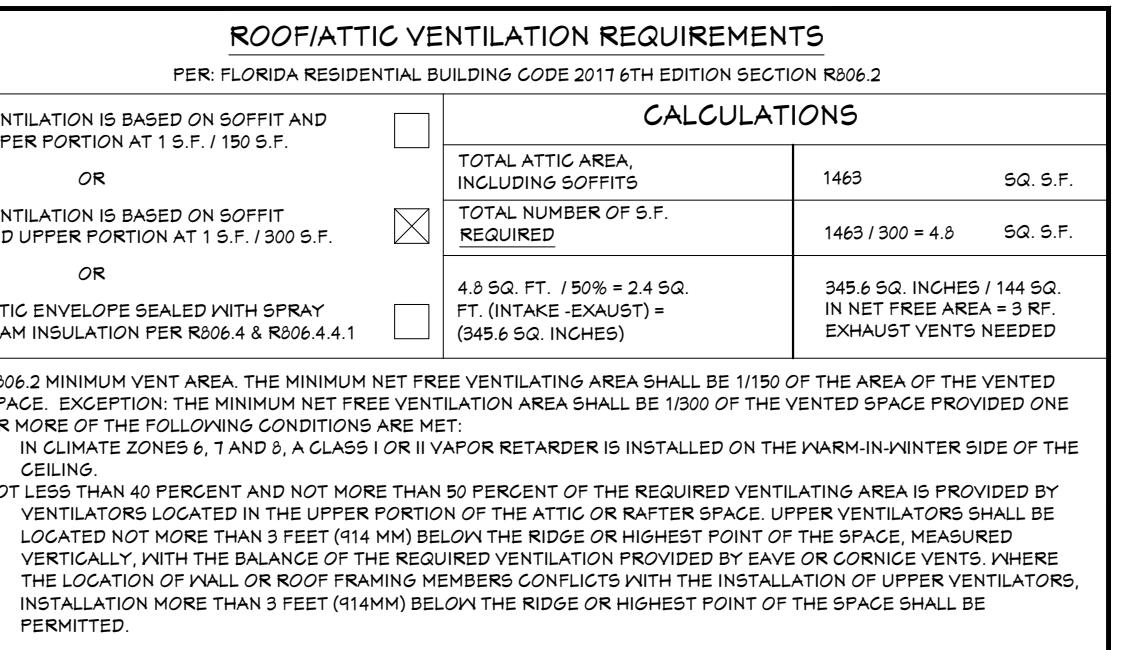


2ND FLOOR FRAMING

3/16" = 1'-0"

- 03 PRE-ENGINEERED ROOF TRUSSSES AT 24" OC BY TRUSS MANUFACTURER
- 04 16" DEEP PRE-ENGINEERED FLOOR TRUSSSES AT 16" OC BY TRUSS MANUFACTURER
- 05 12" DEEP PRE-ENGINEERED FLOOR TRUSSSES AT 16" OC BY TRUSS MANUFACTURER

EXPOSED TO WIND
ENTRY/LANAI AREA
15/32" RATED SHEATHING AT ALL
LANAI AND ENTRY WAYS. PROVIDE
8# RING OR SCREW SHANK NAILS @
6" OC AT EDGES AND 6" OC
INTERMEDIATE FIELD AREA.



NOTE:
FOUNDATION PLAN WAS DESIGNED TO RESIST GRAVITY LOADS IMPARTED FROM THE ROOF STRUCTURE AS SHOWN ON THE TRUSS DRAWINGS PROVIDED BY CENTRAL FL TRUSSES
JOB NUMBER: JRC2960

3/16" = 1'-0"

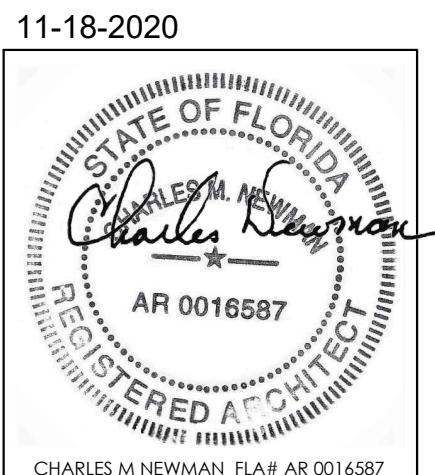


AI
BD

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ARCHITECT FLA # AR 0016587



Revisions

REV REVISION DATE

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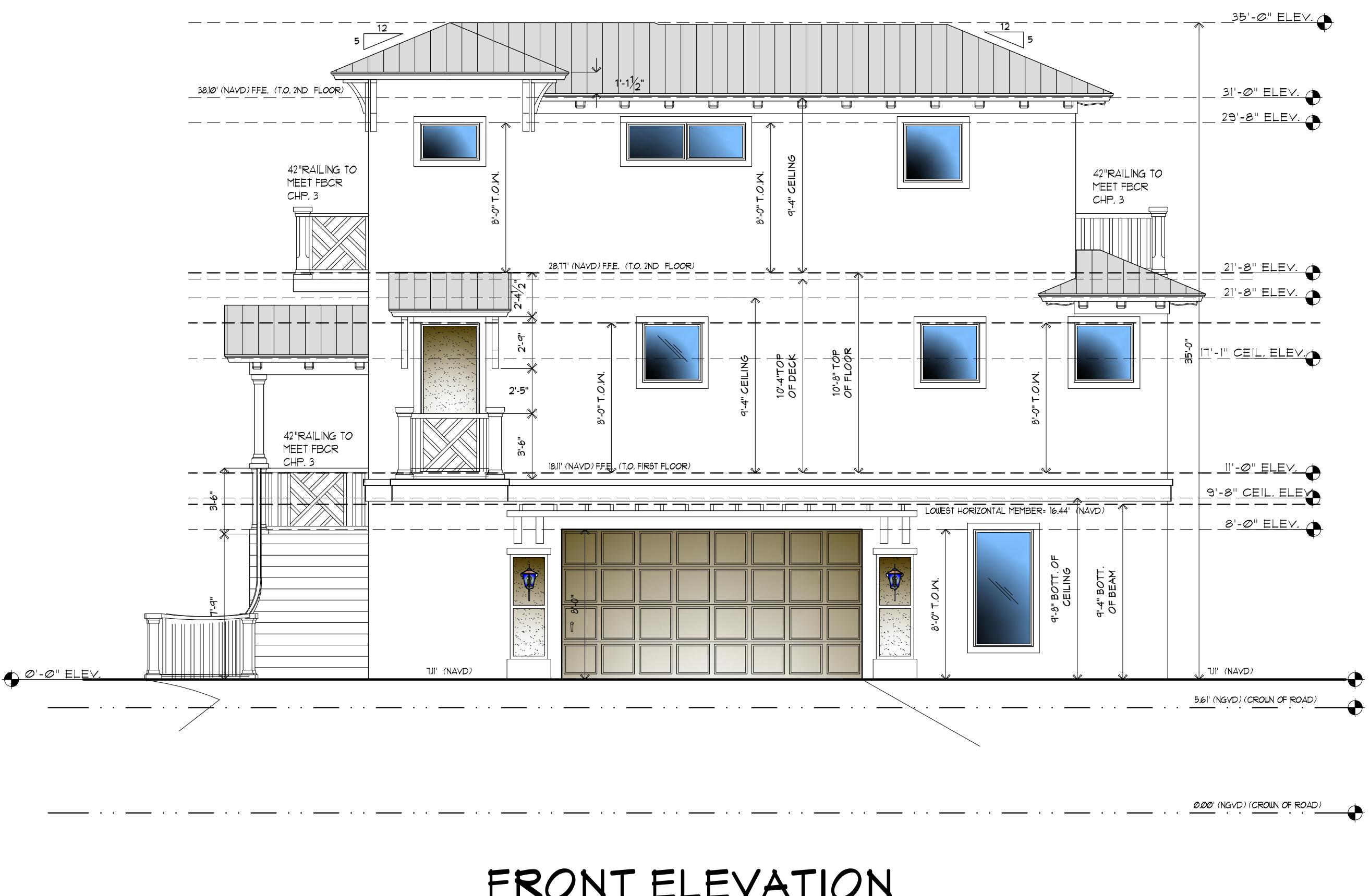
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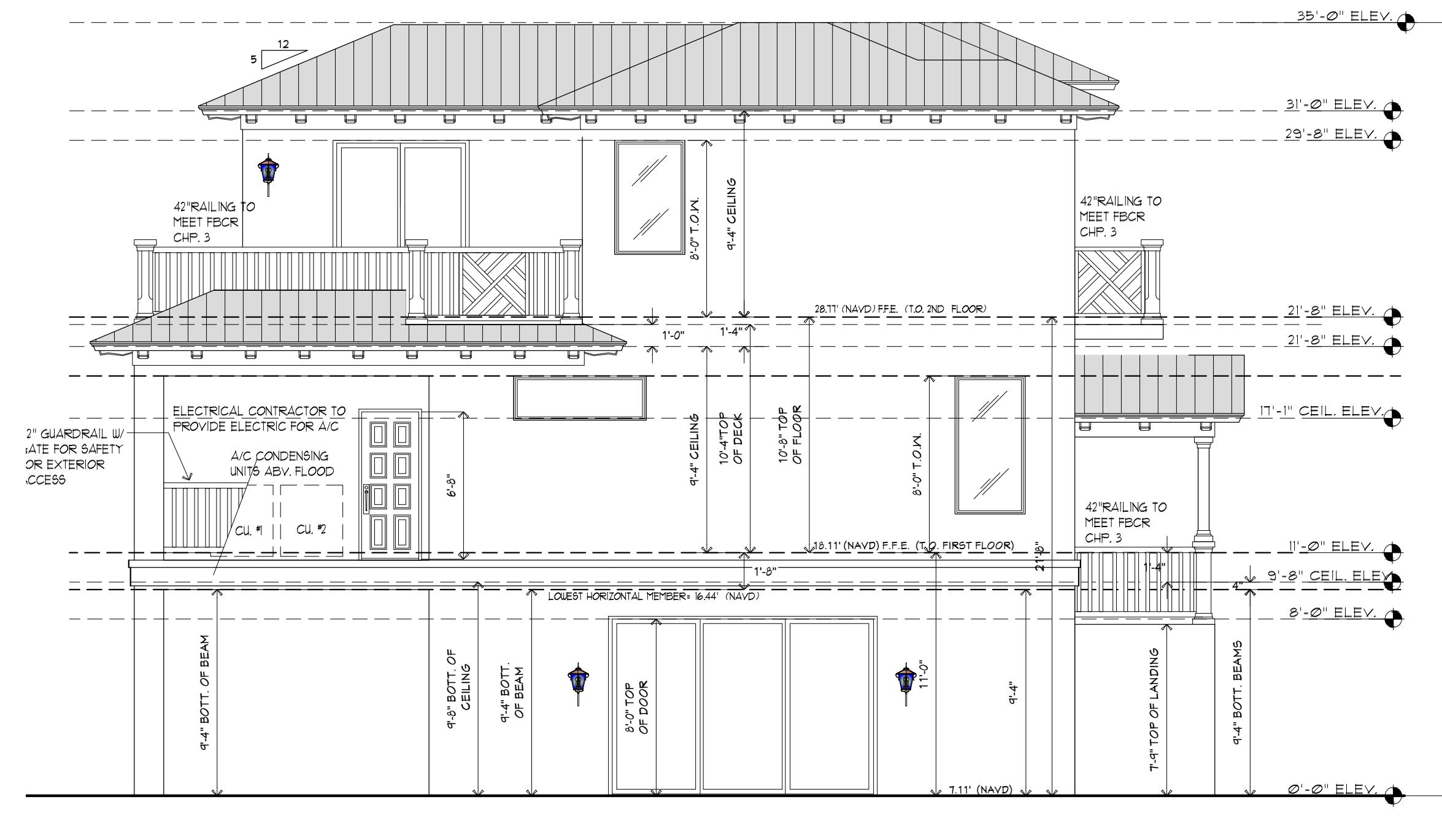
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checked by: GF
date: 9-29-2020
drawing no.

A5



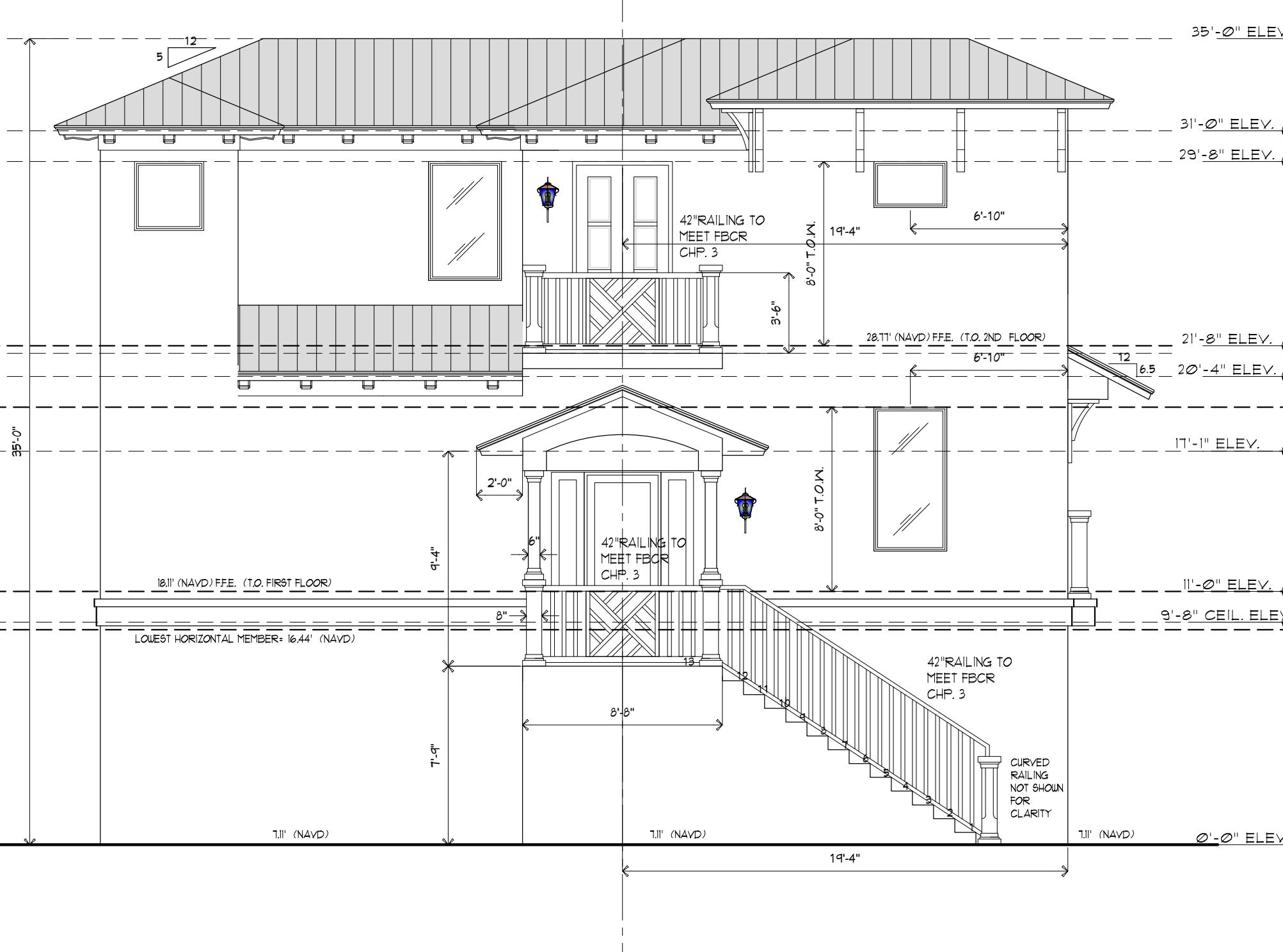
FRONT ELEVATION

3/16" = 1'-0"



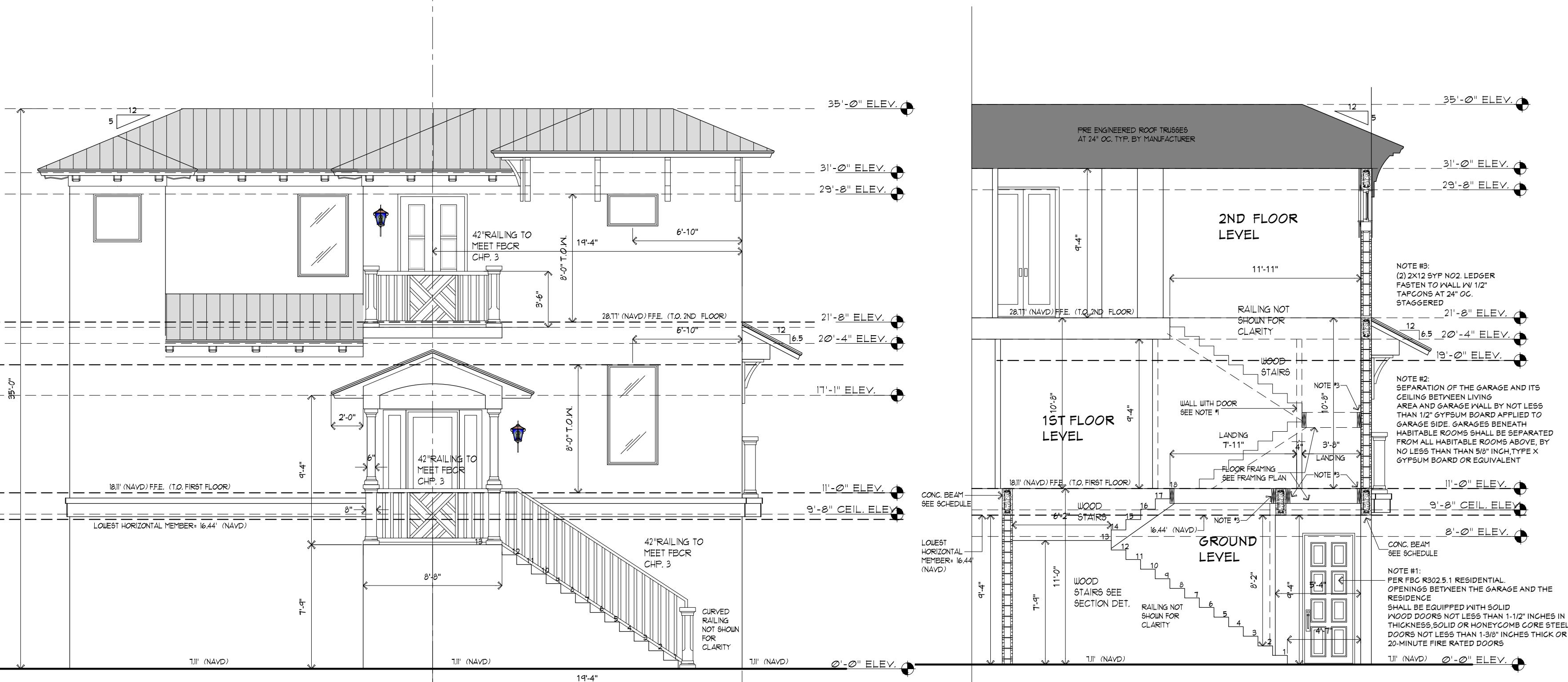
REAR ELEVATION

3/16" = 1'-0"



LEFT ELEVATION

3/16" = 1'-0"



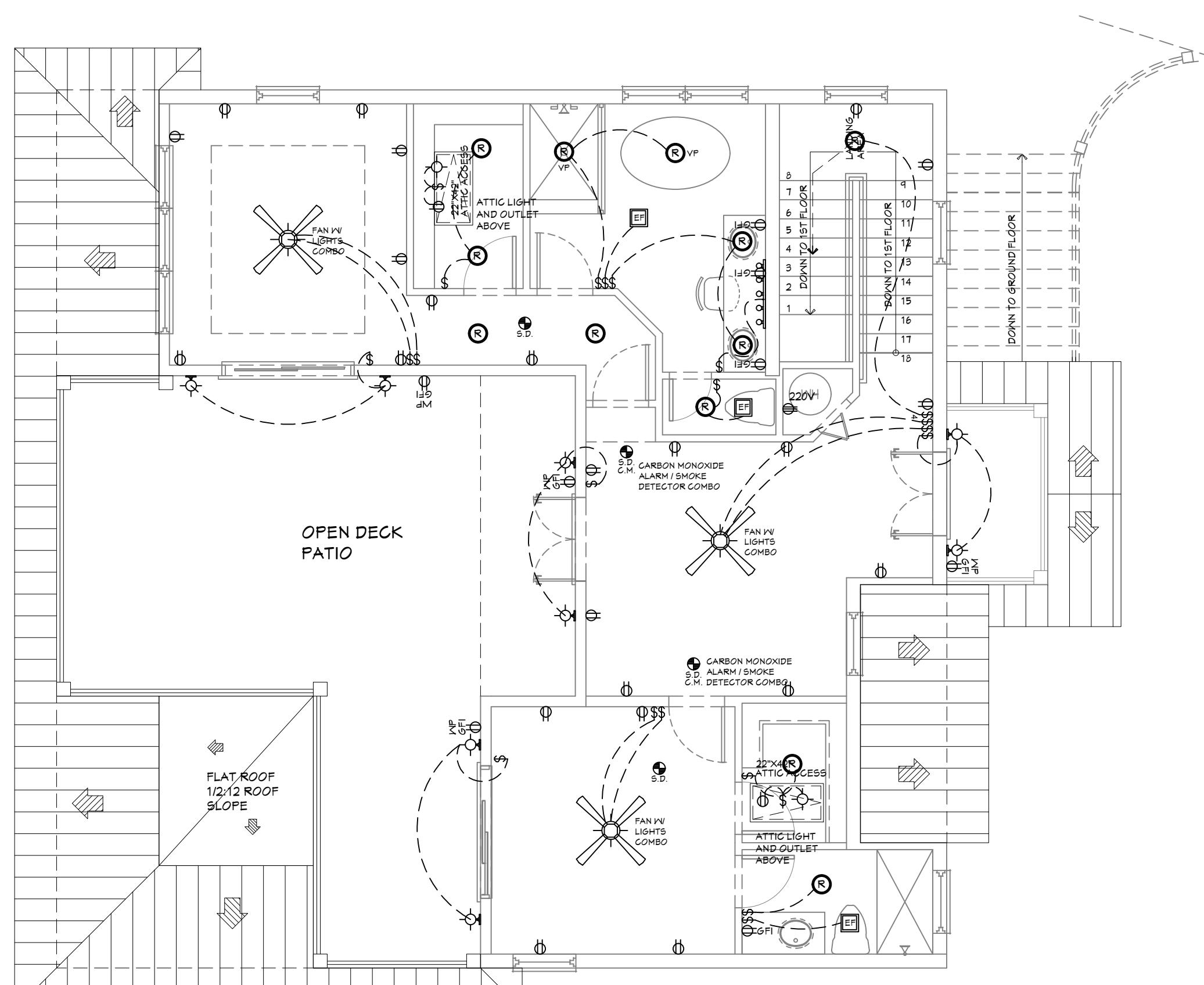
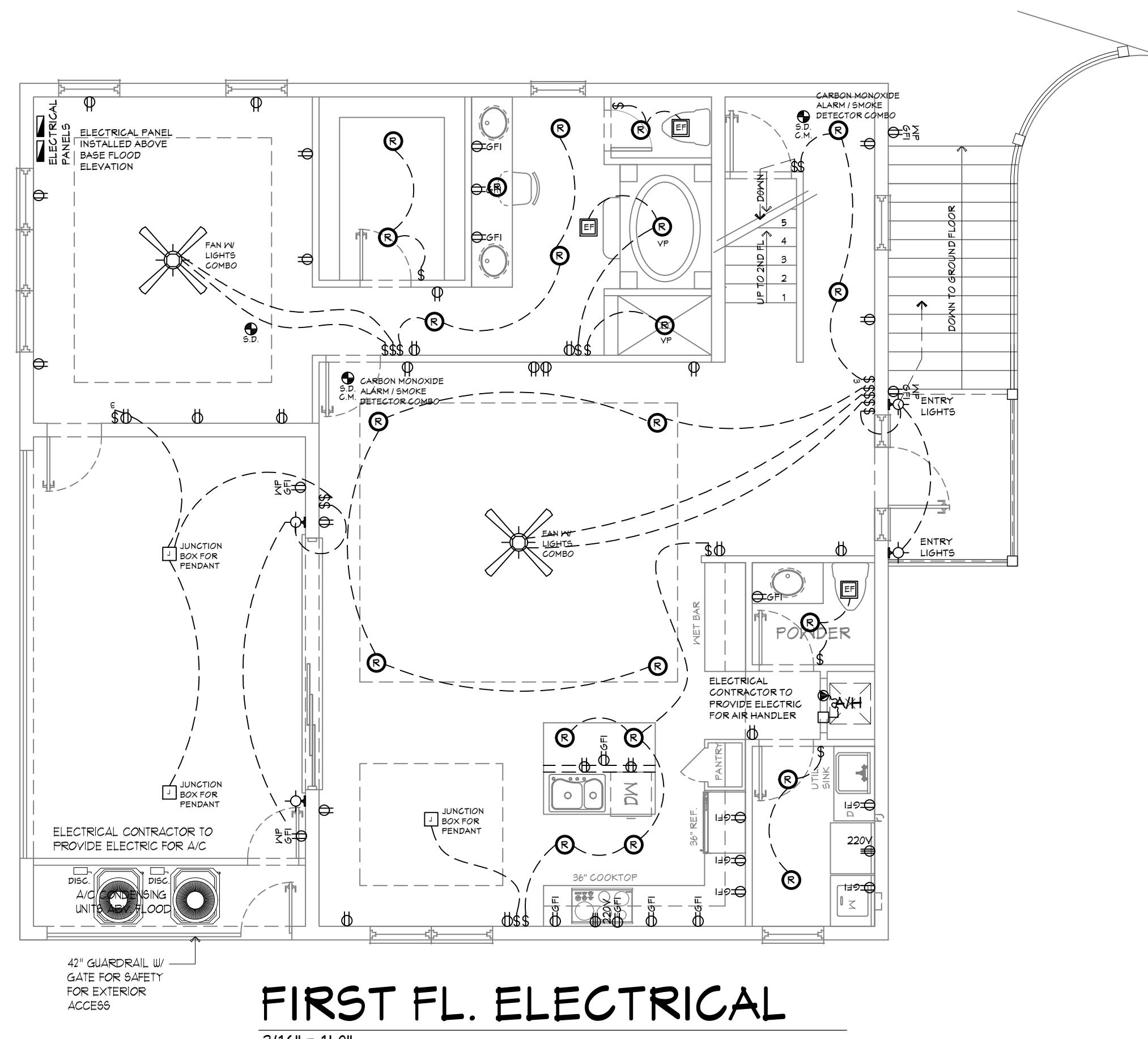
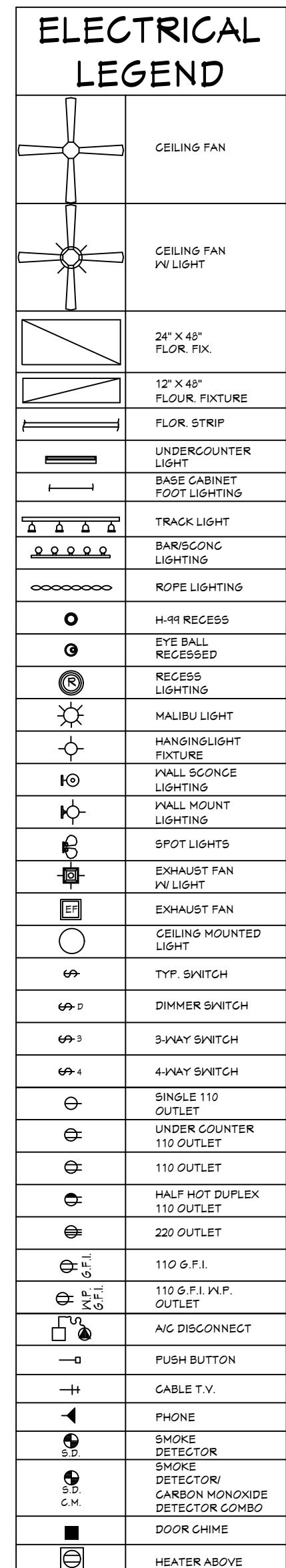
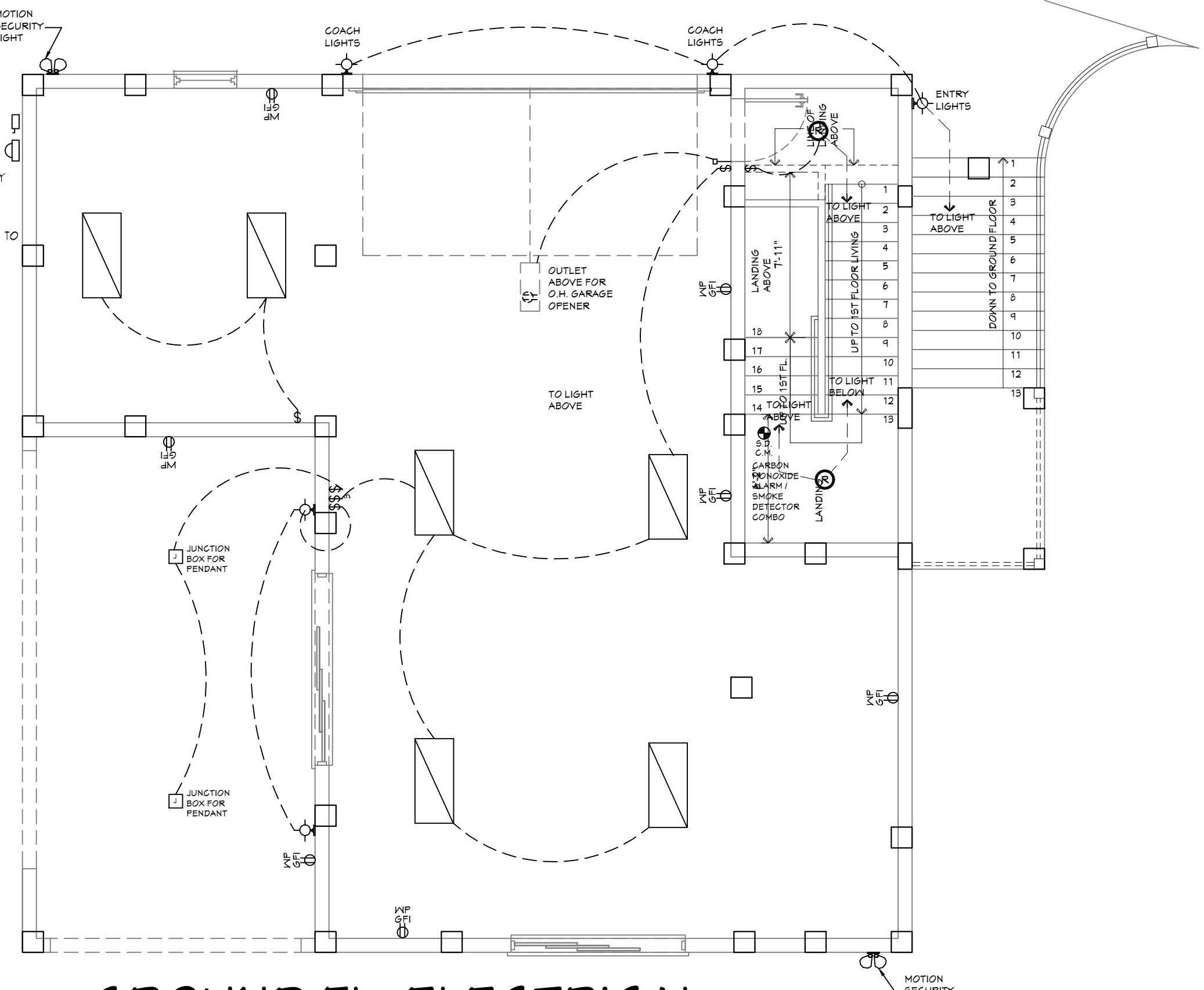
STAIRWAY CROSS SECTION

3/16" = 1'-0"



RIGHT ELEVATION

3/16" = 1'-0"



Revisions

REV	REVISION	DATE
-----	----------	------

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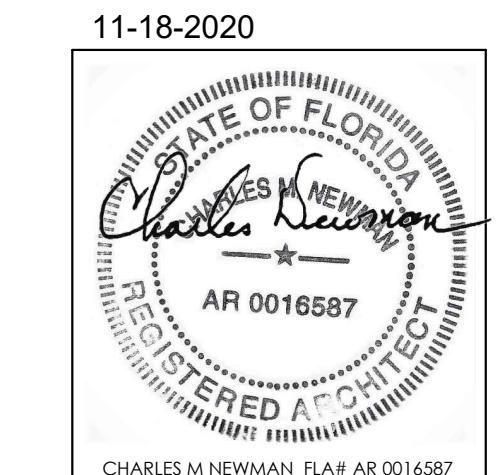
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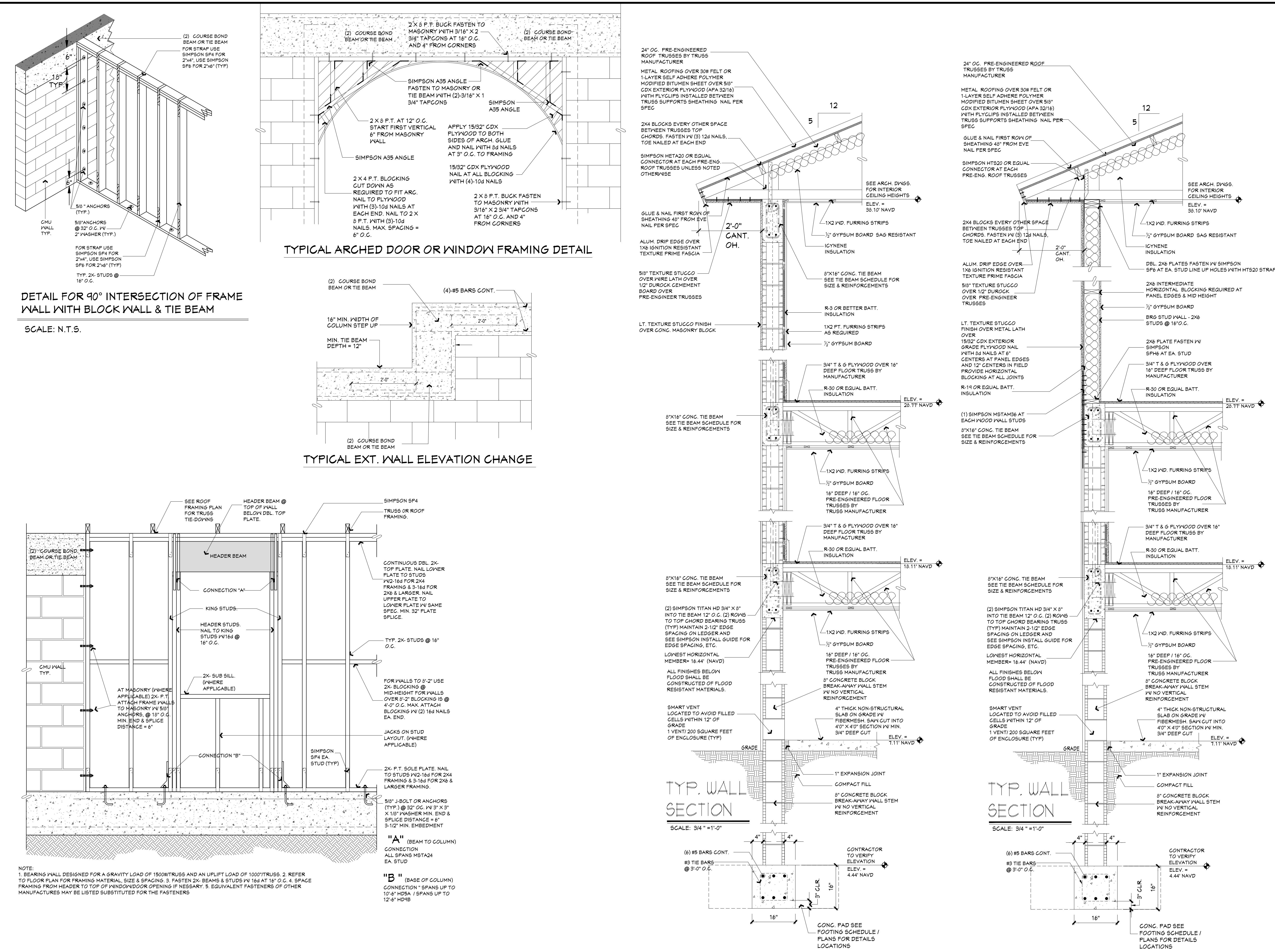
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checked by: GF

date: 10-30-2020

drawing no.

A7



		3-1/2" Wide	5-1/4" Wide	7" Wide
Fastener Type	LVL Depth	2-ply	3-ply	4-ply
10d Nails	7-1/4" < d < 14"	3 rows @ 12" o.c.	3 rows @ 12" o.c. (E5)	
	d > 14"	4 rows @ 12" o.c.	4 rows @ 12" o.c.	
16d Nails	7-1/4" < d < 14"	2 rows @ 12" o.c.	2 rows @ 12" o.c.	
	d > 14"	3 rows @ 12" o.c.	3 rows @ 12" o.c.	
1/2" x Thru-Bolts		2 rows @ 24" o.c.	2 rows @ 18" o.c.	
SDS 1/4" x 3-1/2"	d > 7-1/4"	2 rows @ 24" o.c.	2 rows @ 24" o.c.	
SDS 1/4" x 6"				2 rows @ 24" o.c.
5" TrussLok			2 rows @ 24" o.c.	
6" TrussLok				2 rows @ 24" o.c.

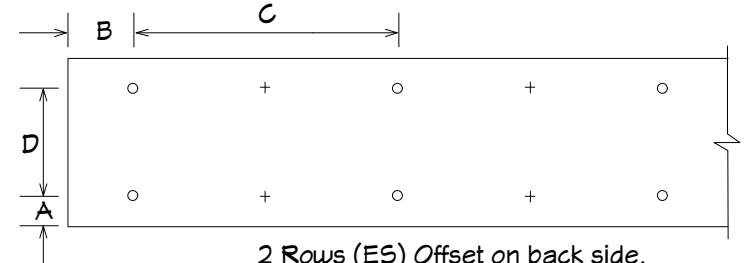
SIMPSON STRONG-TIE WEDGE-ALL SPECIFICATION Minimum Fastening Requirements for Multi-Ply LVL Beams						
ANCHOR DIAMETER (IN)	MINIMUM EMBEDMENT (IN)	Critical Edge Distance (IN)	Critical Spacing (IN)	ALLOWABLE TENSION (LBS)	ALLOWABLE SHEAR (LBS)	INSTALL TORQUE (FT-LBS)
1/4	1-1/8"	2-1/2	2-1/2"	205	230	8
	2-1/4	2-1/2	3-1/8	530	230	
	1-3/4	3-3/4	2-3/8	555	510	
	2-5/8	3-3/4	3-5/8	1,100	1,055	30
	3-3/8	3-3/4	4-3/4 (S)	1,140	1,055	
	2-1/4	5	3-1/8 (S)	1,070	1,485	
	3-3/8	5	4-3/4 (S)	1,985	1,850	60
	4-1/2	5	6-1/4 (S)	2,350	1,850	
	2-3/4	6-1/4	8-1/8 (S)	1,640	1,900	
	4-1/2	6-1/4	6-1/4 (S)	2,990	2,740	90
	5-1/2	6-1/4	7-3/4 (S)	2,990	2,740	
	3-3/8	7-1/2	4-3/4	2,040	2,840	
	5"	7-1/2	7	3,225	4,870	150
	6-3/4	7-1/2	9-1/8 (S)	3,380	4,610	
	4-1/2	10	6-1/4	3,885	5,780	
	9	10	12-5/8	6,595	6,345	300

NOTES:

1. ALLOWABLE LOADS LISTED ARE BASED ON A SAFETY FACTOR OF 4.
2. ALLOWABLE LOADS ARE BASED ON PC = 3000 PSI.
3. MINIMUM CONCRETE THICKNESS IS 1.5 TIMES EMBEDMENT DEPTH.
4. REFER TO SIMPSON STRONG-TIE WEDGE-ALL SPECIFICATION FOR FURTHER INFORMATION.
5. ALL FASTENERS ARE TO BE CARBON STEEL.
6. PROVIDE ZINC PLATED FASTENERS FOR INTERIOR APPLICATIONS.
7. PROVIDE HOT-DIPPED GALVANIZED FOR EXTERIOR APPLICATIONS.
8. FLORIDA PRODUCT APPROVAL # FL11506.0 FOR ALL SIMPSON STRONG-TIE WEDGE-ALL PRODUCTS LISTED ABOVE.

Fastener Clearances for Multi-Ply Members

Fastener Type	A	B	C	D
	Min.	Min.	Max.	Max.
10d & 16d Nails	2"	2"	6"	4"
Bolts & Screws	2"	4"	12"	4"



- Note:
Edge Distances also apply to beams only fastened on one side.
1. (E5) = Each Side, offset fasteners up to 1/2" of the on center spacing.
 2. Consult Georgia Pacific Specification Manual for Additional Information.
 3. Fastener spacing based off the 2005 NDS Manual.

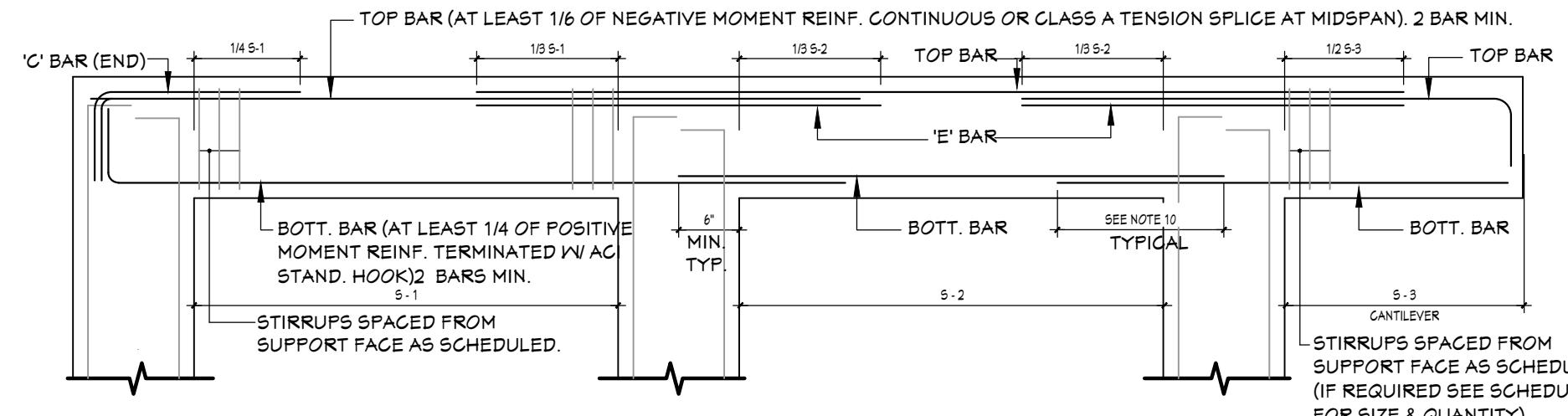
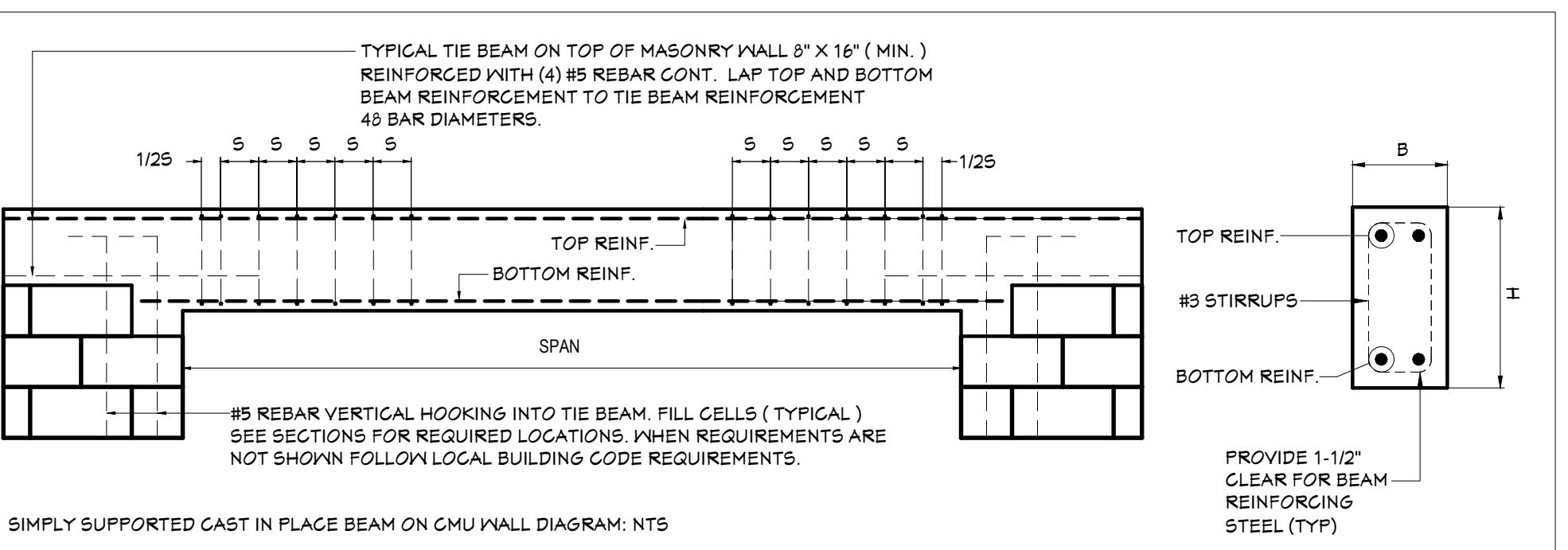


DIAGRAM NOTES:
1. STIRRUPS SHALL BE PLACED AT EACH END OF BEAM UNLESS NOTED OTHERWISE. STIRRUPS SHALL BE TYPE 5-3 UNLESS NOTED OTHERWISE.
2. BUNDLE ALL STRUCTURAL BEAM TOP BARS IN PAIRS OVER SUPPORTS WITH TOP BARS FROM ADJACENT BEAM. (UNO) ALL CONCRETE BEAMS OTHER THAN THOSE WITH THE PREFIX TB SHALL BE Poured PRIOR TO PLACEMENT OF BLOCK BELOW.
3. ALL TIE BEAM REINFORCING SHALL BE CONTINUOUS THRU TIE BEAMS ONLY. ALL SPLICES TO BE A MINIMUM OF 4x BAR DIAMETERS.
4. ALL TIE BEAM TOP & BOTTOM REINFORCING SHALL EXTEND INTO SPAN OF ANY ADJACENT STRUCTURAL BEAM AS PER BEARING DIAGRAM.
5. DROP BOTTOM OF TB BEAMS AS REQUIRED AT WINDOW AND DOOR HEADS (23" MAXIMUM TOTAL DEPTH) AND ADD 2" HS BOTTOM IF DROP EXCEEDS 8" IN MIN. OF 4" BEARING @ EACH SIDE.
6. TIE BEAM REINFORCING DEPTHS ARE MINIMUM AND MAY BE INCREASED (8" MAXIMUM) TO FIT BLOCK HOLE. ALL ADDED LONGITUDINAL BEAM REINFORCING SHALL EXTEND 6" MINIMUM INTO TIE BEAM.
7. HANK 'C' OR CONTINUOUS IN REINFORCING COLUMN BETWEEN TWO BEAMS INDICATES THAT REINFORCING SHALL BE CONTINUOUS THRU THESE TWO BEAMS.
8. ONE-QUARTER OF MAXIMUM BOTTOM REINFORCING STEEL AREA OF EITHER ADJACENT BEAM SHALL EXTEND THRU SUPPORT AND LAP WITH A CLASS 'A' TENSION LAP SPLICE ON EITHER SIDE OF SUPPORT.
9. PROVIDE (2) #5 CORNER BARS WITH 48 BAR DIAMETERS DEVELOPMENT AT ALL CORNERS. CAST IN PLACE BEAM DIAGRAM: NTS



SIMPLY SUPPORTED CAST IN PLACE BEAM ON CMU WALL DIAGRAM: NTS

NOMINAL SCREW LENGTH	2-PLY	3-PLY	4-PLY
	3-3/8"	6"	6" (E5)

MINIMUM FASTENING REQUIREMENTS FOR MULTI-PLY SAWN LUMBER BEAMS

A	B	C	D
MIN.	MIN.	MAX.	MIN.
2"	6"	12"	4"

WOOD BEAM

2 ROWS (E5) OFFSET ON BACK SIDE.

NOTES:
1. EDGE DISTANCES ALSO APPLY TO BEAMS ONLY FASTENED ON ONE SIDE.

2. ALL SCREW SHANK DIAMETERS 1/4".

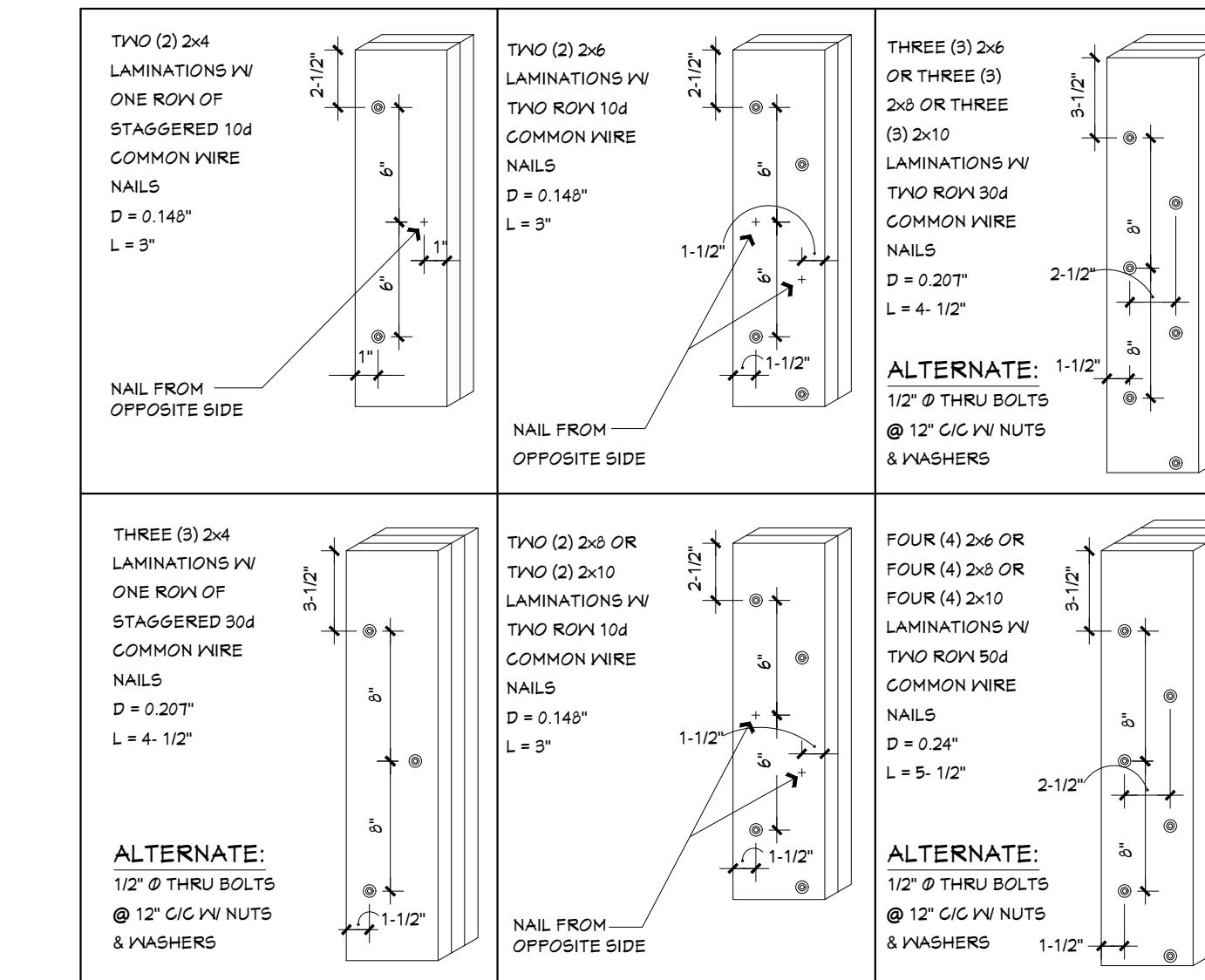
WOOD HEADER SCHEDULE		
SPAN	HEADER DESCRIPTION	JACK STUDS REQ'D
UP TO 3-6"	(9) 2x10 NV 1/2" FLYWOOD SPACERS AS REQUIRED	2
3-6"-T-0"	(9) 2x12 NV 1/2" FLYWOOD SPACERS AS REQUIRED	3
T-0"-10-0"	(9) 1-3/4" X 11-1/2" GEORGIA PACIFIC 2.0x LVL	4

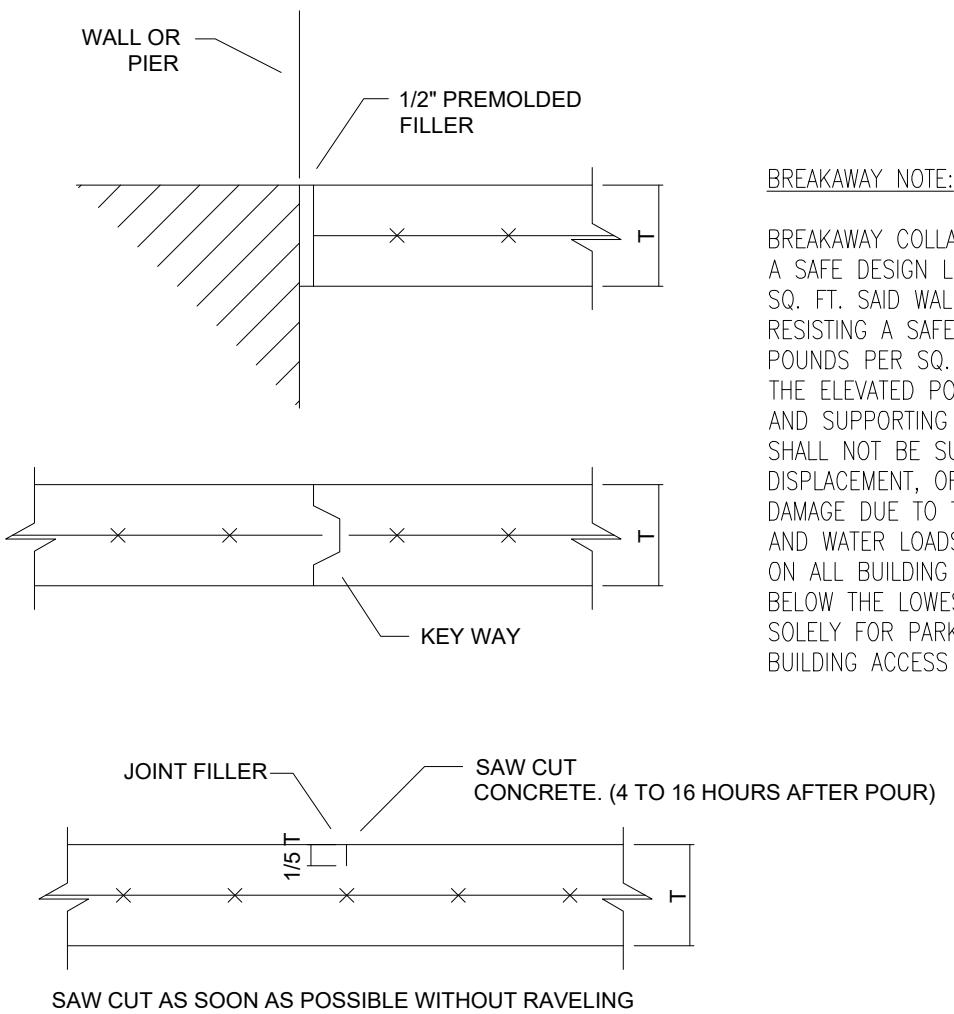
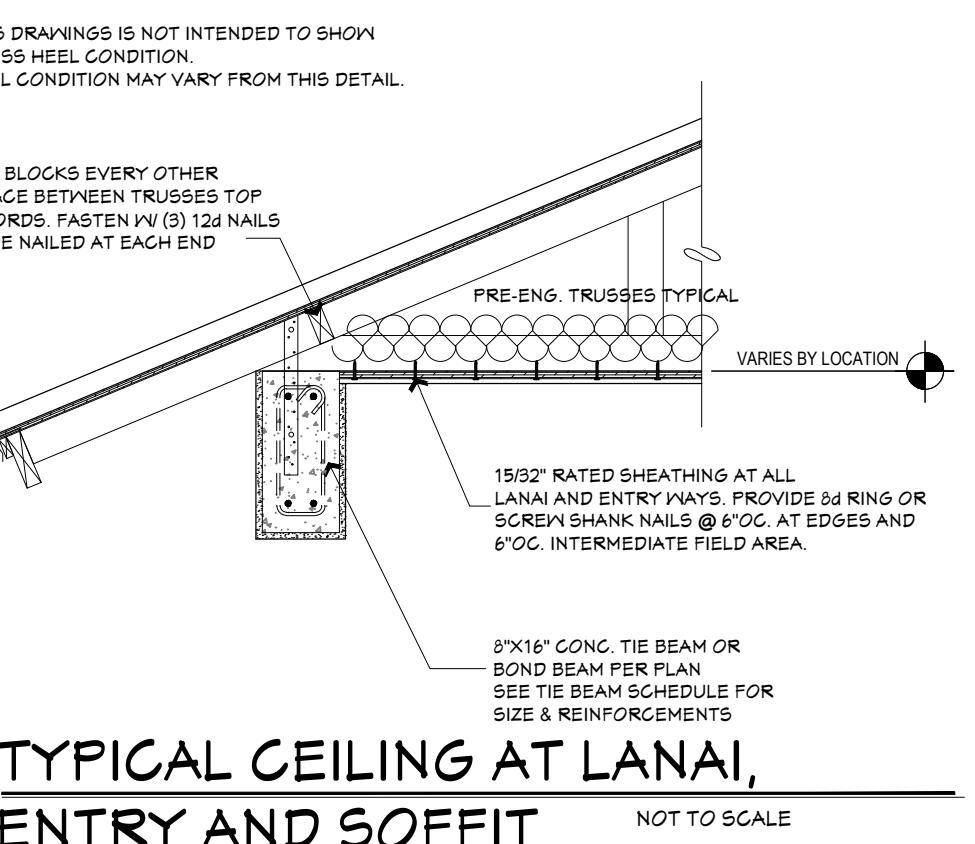
FOR SPANS OVER 10'-0" SEE BEAM PLAN

- NOTES:
1. EACH JACK STUD SHALL RECEIVE (1) MSTA24 MINIMUM, HEADER TO JACK.
2. ALL JACK STUDS SHALL BE 2x6 UNLESS NOTED OTHERWISE.
3. HEADERS MAY BE PACKED OUT TO PROVIDE FLUSH FINISH WITH WALLS AS REQUIRED.
4. NAIL MULTIPLE PLYS TOGETHER PER NDS SCHEDULE PROVIDED.
5. FOR SPANS UNDER 3'-6" PROVIDE (1) SIMPSON SP 6 PER JACK AT BASE.
6. FOR ALL OTHER SPANS PROVIDE (1) HD5B EACH END.
7. NONE OF THE ABOVE APPLIES FOR GIRDER LOADS LANDING ON HEADERS.

BUILD-UP COLUMN NOTES:

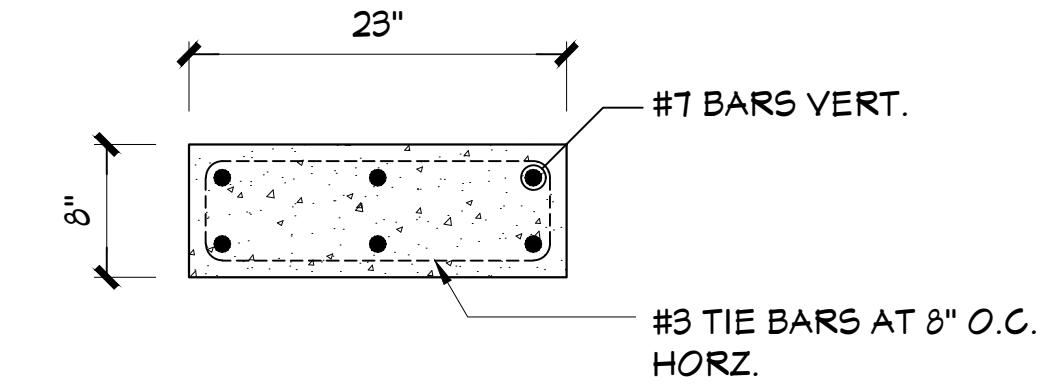
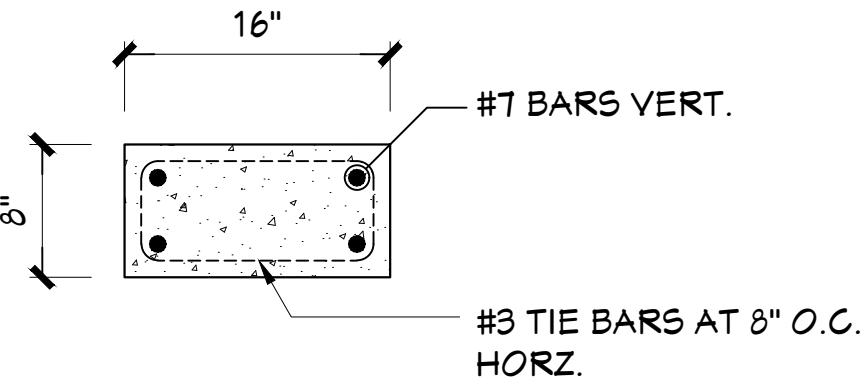
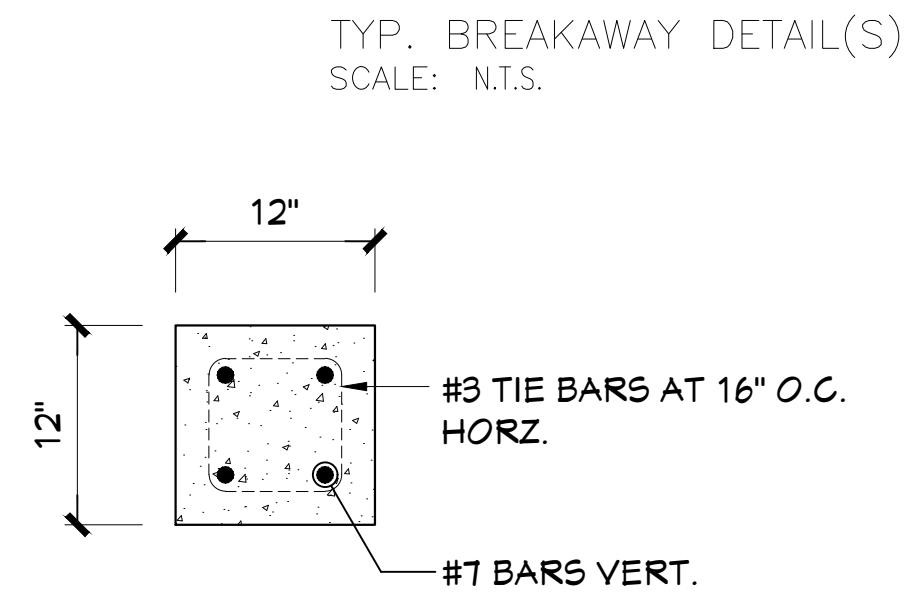
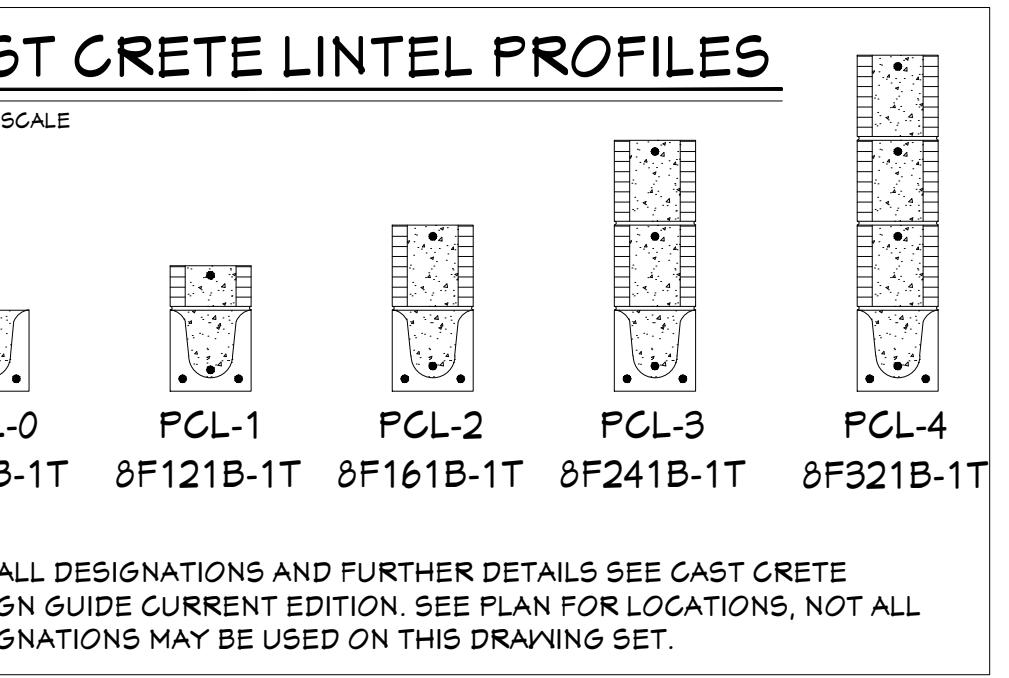
1. ADJACENT NAILS ARE DRIVEN FROM OPPOSITE SIDES OF THE COLUMN.
 2. ALL NAILS TO PENETRATE AT LEAST 3/4 OF THICKNESS OF LAST PENETRATION.
 3. 15D < END DIST < 12D
 4. 20D < SPACE BET. ADJ. NAILS IN A ROW < 6min.
 5. 10D < SPACE BET. ROWS OF NAILS < 2d
 6. 5D < EDGE DIST < 2D
 7. 2 OR MORE LONGITUDINAL ROWS OF NAILS ARE PROVIDED WHEN d > 8min.
 8. D = NAIL DIAMETER
 9. DEPTH (FACE WIDTH) OF INDIVIDUAL LAMINATIONS
 10. 1min. = THICKNESS OF THINNEST LAMINATION
 11. WHEN ONE ROW OF NAILS ARE REQUIRED, ADJACENT NAILS SHALL BE STAGGERED
 12. WHEN ONE ROW OF NAILS ARE REQUIRED, ADJACENT NAILS SHALL BE STAGGERED
 13. WHEN THREE OR MORE LONGITUDINAL ROWS OF NAILS ARE USED, NAILS IN ADJACENT ROWS SHALL BE STAGGERED
 14. WHEN BORED HOLES ARE DESIGNED TO PREVENT SLITTING OF WOOD, THE DIAMETER OF THE BORED HOLE SHALL NOT EXCEED 75% OF NAIL DIAMETER FOR SOUTHERN PINE.
- THESE DETAILS REPRODUCED FROM NDS SPECIFICATIONS 2005 EDITION





TIE-DOWN/HANGER SCHEDULE			
MARK	TIE-DOWN SIMPSON STRONG-TIE	ALLOWABLE UPLIFT	NOTES:
H1	DETAL 20	2,480 LBS	TYPICAL @ ALL SINGLE TRUSS TO MASONRY CONNECTIONS
H2	HHETA 20	2,235 LBS	EXCESSIVE UPLIFT SINGLE TRUSS TO MASONRY CONNECTIONS
H3	HGT 2, 3, 4	2-10,480 LBS 3-10,530 LBS 4-12,250 LBS	TYPICAL @ ALL GIRDER TRUSS TO MASONRY/FRAME WALL (CONNECTIONS 2, 3, 4 PER PLY OF GIRDER) PROVIDED THREADED ROD & EPOXY TO TIE-BEAM
H4	HDU2-SDS2.5	6150 LBS	GIRDER TRUSS TO MASONRY WALL OR LEDGER
H5	HTS20	1,450 LBS	TYPICAL @ ALL SINGLE TRUSS TO WOOD CONNECTIONS NOTE: SEE TRUSS ENGINEERING AND ADD HTS20 AS REQUIRED TO MEET OR EXCEED UPLIFT REQUIREMENTS.

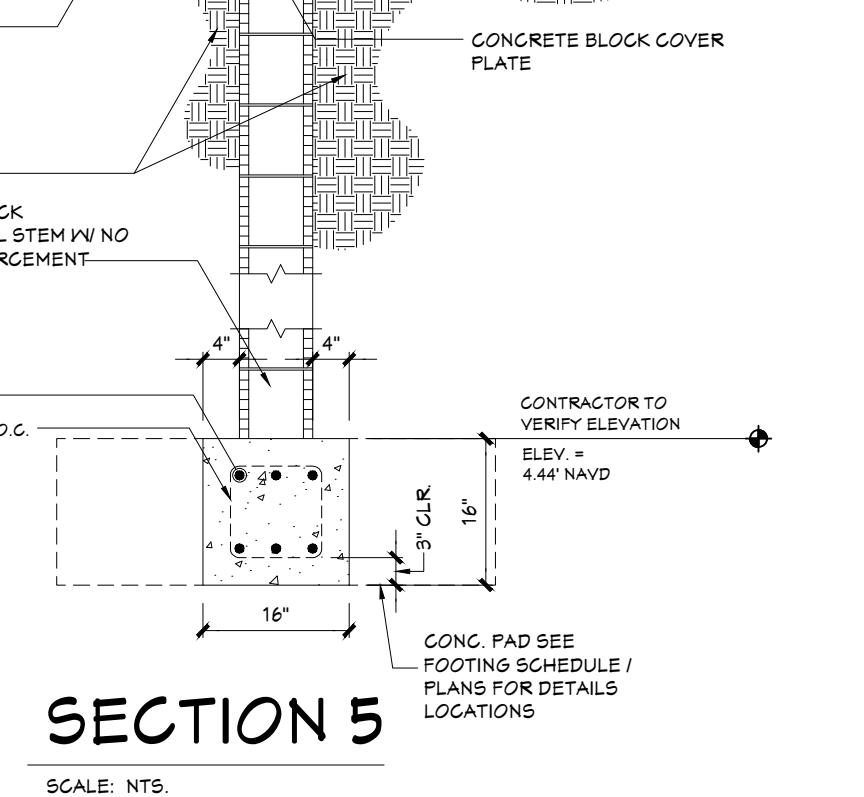
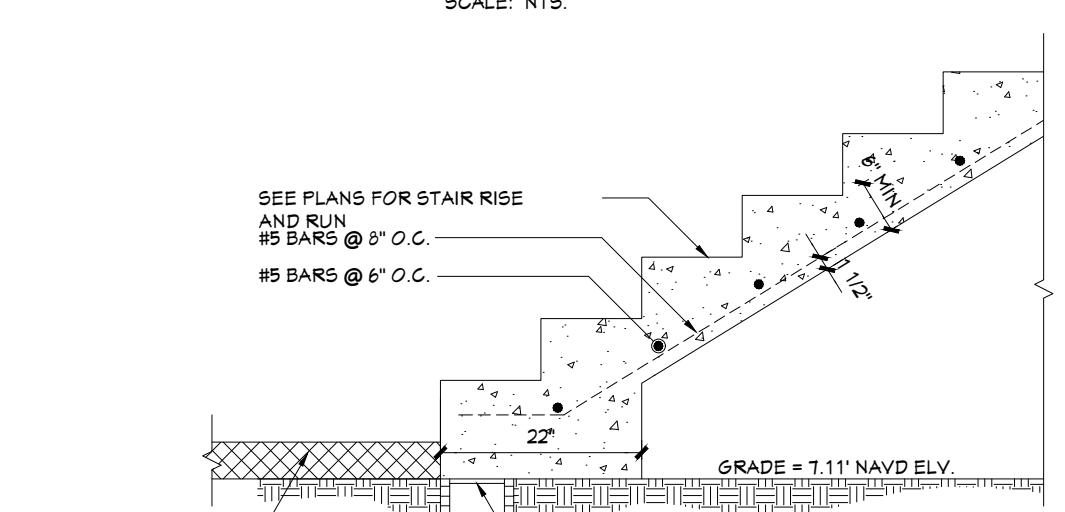
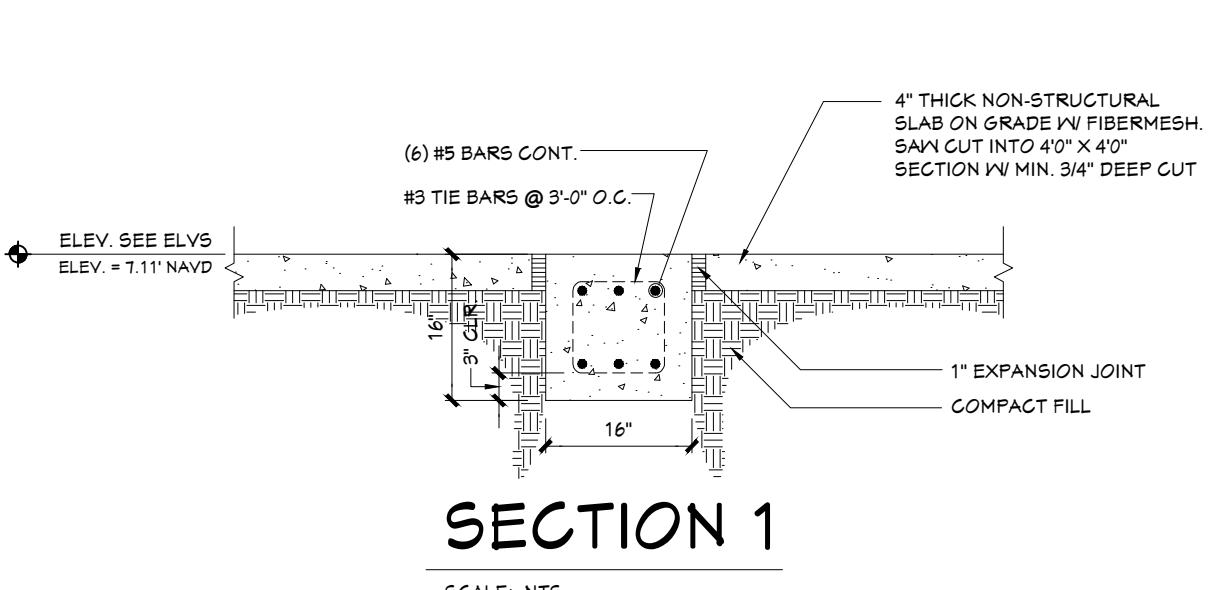
ALL TIE-DOWNS NOT SPECIFICALLY CALLED OUT SHALL BE TYPICAL OR PER DETAIL PROVIDED
ALL PRODUCTS SHALL BE SIMPSON STRONG-TIE (SEE MANUFACTURERS INSTALLATION MANUAL)



CC-1

CC-2

CC-3



CONC. PAD SEE FOOTING SCHEDULE / PLANS FOR DETAILS LOCATIONS

CONTRACTOR TO VERIFY ELEVATION
ELEV. = 4.44' NAVD

(6) #5 BARS CONT.
#3 TIE BARS @ 3'-0" O.C.

16"

15"

4"

16"

22"

15"

4"

16"

15"

4"

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22"

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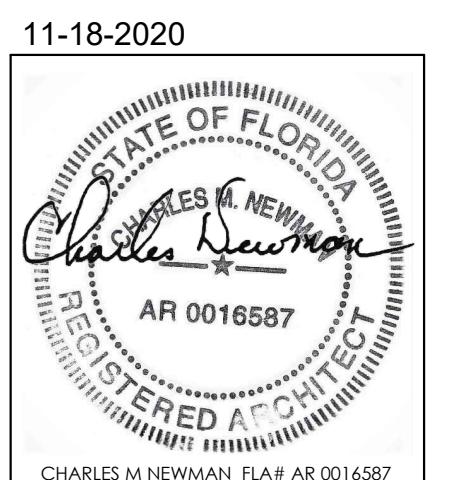
22"

15"

4"

16"

<p



GENERAL NOTES:

ALL NOTES IN THIS SET OF BOUND PAGES ARE PART OF A CONTINUOUS WORKING SET. AT ANY MOMENT DURING CONSTRUCTION THE ARCHITECT RESERVES THE RIGHT TO ADD, REVISE, AMEND AND REMOVE ANY OR PART OF ANY NOTE. NOTES MAY APPLY TO THE JOB IN PART OR IN FULL. IT IS THE BUILDER'S RESPONSIBILITY TO COORDINATE WITH THE ARCHITECT. IF THE STATEMENT OF A NOTE IS UNCLEAR IT IS THE BUILDER'S RESPONSIBILITY TO COORDINATE WITH THE ARCHITECT.

1. ALL DIMENSIONS ARE TO FACE OF MASONRY OR STUD WALL.

2. ALL COLUMNS ARE DIMENSIONED TO CENTER-POINT OF COLUMN.

3. ALL WINDOW AND DOOR OPENINGS ARE DIMENSIONED TO THE CENTER OF THE OPENING. VERIFY REQUIRED ROUGH OPENING WITH DOOR OR WINDOW MANUFACTURER'S WRITTEN INSTRUCTIONS.

4. ALL WALL THICKNESSES SHOWN ARE NOMINAL.

5. ALL STEPS HAVE 7" RISERS AND 11" TREADS U.N.O. OR SPECIFIED DIFFERENTLY ON DRAWINGS.

6. ALL FINISHED FLOOR ELEVATIONS ARE TO TOP OF SLAB OR TOP OF STRUCTURE U.N.O. CONTRACTOR TO COORD. FINAL FLOOR MATERIAL THICKNESS WITH ALL TRANSITIONS IN FFE TO MEET SPECIFIED ELEVATION DIMENSIONS.

7. ALL INTERIOR COMPONENTS - DOORS, CASEWORK, CABINETRY, MILLWORK, FIXTURES, RAILINGS, COLUMN COVERS, APPLIANCES AND MATERIAL FINISHES ARE TO BE SELECTED BY OWNER AT CONSTRUCTION.

8. ALL INTERIOR FEATURES SHOWN ARE CONCEPTUAL. VERIFY SHAPE, HEIGHT, AND DISTANCE OFF FLOOR WITH OWNER AT CONSTRUCTION PHASE.

9. ALL CEILING DROPS AND SOFFITS SHOWN ARE CONCEPTUAL. SEE INTERIOR DESIGN PACKAGE FOR DETAILS.

10. ANY CHANGE WHICH RESULTS IN EXTRA COST SHALL NOT PROCEED WITHOUT WRITTEN AUTHORIZATION BY OWNER.

11. CONTRACTOR/BUILDERS SHALL VERIFY ALL DIMENSIONS, DETAILS AND CONDITIONS SHOWN ON DRAWINGS AT THE JOB SITE AND SHALL NOTIFY DESIGNER OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE PROCEEDING WITH THE JOB.

12. CONTRACTOR MUST COMPLY WITH RULES AND REGULATIONS OF AGENCIES HAVING JURISDICTION AND SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL CONSTRUCTION, SAFETY AND SANITARY LAWS, CODES, STATUTES AND ORDINANCES. ALL FEES, TAXES, PERMITS, APPLICATIONS AND CERTIFICATES OF INSPECTION, AND THE FILING OF ALL WORK WITH GOVERNMENTAL AGENCIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR OWNER PER CONTRACT.

13. ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKMEN IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADES INVOLVED, AND IN COMPLIANCE WITH BUILDING REGULATIONS AND/OR GOVERNMENTAL LAWS, STATUTES OR ORDINANCES CONCERNING THE USE OF UNION LABOR.

14. EACH TRADE WILL PROCEED IN A FASHION THAT WILL NOT DELAY THE TRADES WORKING SIMULTANEOUSLY OR FOLLOWING THEM.

15. CONTRACTORS SHALL BE RESPONSIBLE FOR THE DISTRIBUTION OF DRAWINGS TO ALL TRADES UNDER HIS JURISDICTION.

16. ALL WORK SHALL BE ERECTED AND INSTALLED PLUMB, LEVEL, SQUARE, TRUE AND IN PROPER ALIGNMENT.

17. ALL MATERIALS SHALL BE NEW, UNUSED AND OF THE HIGHEST QUALITY IN EVERY RESPECT AS SPECIFIED UNLESS OTHERWISE NOTED. MANUFACTURED MATERIALS AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.

18. THERE SHALL BE NO SUBSTITUTION OF MATERIALS WHERE A MANUFACTURER IS SPECIFIED. WHERE THE TERMS "EQUAL TO" OR "APPROVED EQUAL" ARE USED, THE ARCHITECT SHALL DETERMINE EQUALITY BASED ON INFORMATION SUBMITTED BY THE CONTRACTOR.

19. ALL WORK AND MATERIALS SHALL BE GUARANTEED AGAINST DEFECTS FOR A PERIOD OF AT LEAST ONE (1) YEAR FROM APPROVAL FOR FINAL PAYMENT.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING REQUIRED FOR HIS WORK.

21. CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ACCUMULATION OF WASTE MATERIALS OR RUBBISH. PREMISES TO BE SWEEP CLEAN WEEKLY OF RELATED CONSTRUCTION DEBRIS. AT THE COMPLETION OF THE WORK, LEAVE THE JOB SITE FREE OF ALL MATERIALS AND BROOM CLEAN.

22. DO NOT SCALE DRAWINGS- DIMENSIONS GOVERN. LARGER SCALE DRAWINGS SHALL GOVERN SMALLER SCALE.

23. PATCH ALL AREAS WHERE FLOOR IS NOT LEVEL OR TRUE PRIOR TO THE INSTALLATION OF FLOORING OR CARPETING.

24. TO INSURE PROPER AND ADEQUATE BLOCKING, ALL BLOCKING FOR MILLWORK WILL BE THE RESPONSIBILITY OF THE CABINET CONTRACTOR.

25. UPON COMPLETION OF WORK THE CONTRACTOR SHALL WALK THROUGH WITH OWNER AND COMPILE A "PUNCH LIST" OF CORRECTIONS AND UNSATISFACTORY AND/OR INCOMPLETE WORK. FINAL PAYMENT WILL BE CONTINGENT UPON THE COMPLETION OF THESE ITEMS.

26. CONTRACTOR SHALL FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS AT ALL TIMES WHEN INSTALLING ANY CONSTRUCTION MATERIAL, FIXTURE OR APPLIANCE, ETC. IN THE CASE WHERE THE MANUFACTURER'S WRITTEN INSTRUCTIONS ARE NOT AVAILABLE CONTACT THE ARCHITECT BEFORE PROCEEDING WITH INSTALLATION.

27. AT ALL TIMES BEFORE CONSTRUCTIONS END, THIS SET OF BOUND PAGES IS TO BE CONSIDERED BY THE CONTRACTOR, ALL SUBCONTRACTORS AND ALL PARTIES INVOLVED IN THE CONSTRUCTION AS A WORKING SET.

28. EMERGENCY ESCAPES AND RESCUE OPENINGS ARE PROVIDED PER FBC 2017 6TH EDITION R310.

29. ALL WATERPROOFING, MOISTURE BARRIER, SHOULD BE APPLIED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

GENERAL WINDOW NOTES:

SEE ELEVATIONS FOR SPECIFIC FIXED/OPERABLE CONFIGURATION. O.N.O. BEFORE ORDERING ALL WINDOWS VIF WITH THE OWNER.
COORD. SPECIFIC SILL AND TRIM CONDITIONS W/ ELEVATIONS.
COORD. MUNTON DESIGN WITH THE OWNER.
MATCH WINDOW HEAD HEIGHT W/ INTERIOR DOOR HEAD HEIGHT. VERIFY W/ FINISH FLOOR MATERIALS.
ALL GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED BY FBC R308.4 TO BE TEMPERED IN ACCORDANCE WITH THE REQS. OF FBC R308.3.1.

ALL GLAZING TO BE CLEAR - INSULATED, HIGH PERFORMANCE LOW'E UNITS W/ A MAX SHGC 0.30 FOR PENETRATION AND SKYLIGHTS OR A MAX U-FACTOR OF .65 FOR PENETRATION (.75 FOR IMPACT RATED PENETRATION) AND .75 FOR SKYLIGHTS.

ALL PENETRATION TO COMPLY W/ FBC ENERGY CONSERVATION CODE SECTION 402.4.4. AIR LEAKAGE.

ALL FIRST FLOOR WINDOWS WITH A CLEAR PATH TO A POOL AND SECOND FLOOR WINDOW WITH ACCESS TO A DECK THAT LEADS TO A POOL SHALL COMPLY WITH EXIT ALARM PER FBC R410.1.1.4.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE PRODUCT MFR. FOR COMPLIANCE OF CODE REQUIREMENTS INCLUDING BUT NOT LIMITED TO: EGRESS, WIND DESIGN DATA, INSTALLATION AND ANCHORING, WIND BORN DEBRIS REGIONS, AIR INFILTRATION, ETC...

THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OF RECORD OF ANY DISCREPANCY BEFORE ORDERING PRODUCTS.

FLORIDA PRODUCT APPROVAL:
1. FLORIDA PRODUCT APPROVALS ARE REQUIRED FOR ALL EXTERIOR DOOR ASSEMBLIES, WINDOW ASSEMBLIES, IMPACT RESISTANT COVERINGS, GARAGE DOOR ASSEMBLIES, AND UNIT SKYLIGHT ASSEMBLIES.

2. THE CONTRACTOR SHALL ATTAIN FLORIDA PRODUCT APPROVAL DOCUMENTATION, INCLUDING INSTALLATION AND ANCHORING DETAILS AND REQUIREMENTS. CONTRACTOR TO:

2.1. SUBMIT DOCUMENTATION TO THE BUILDING DEPARTMENT OR AH.

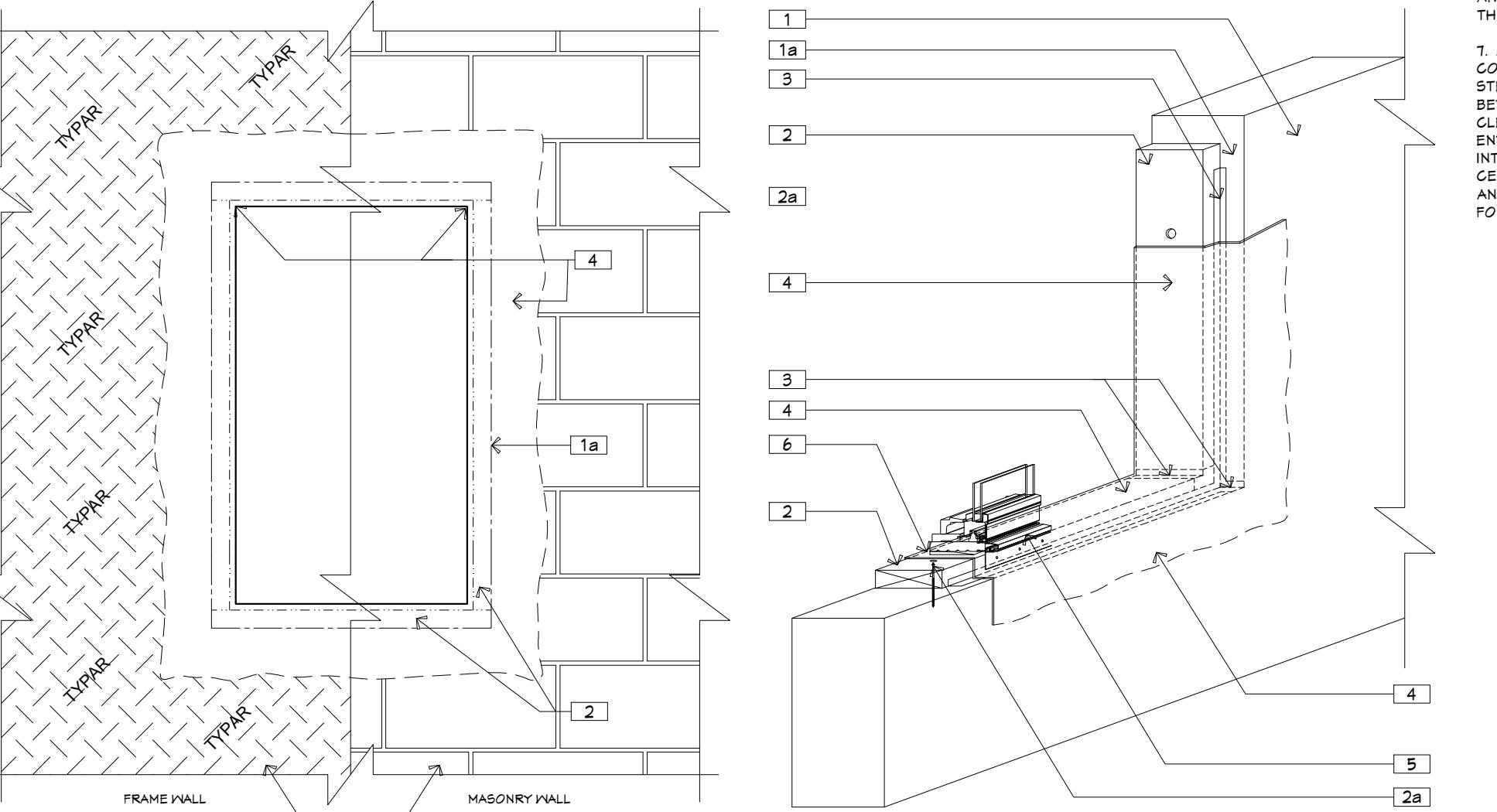
2.2. RETAIN A COPY ON SITE.

3. SEE STRUCTURAL ENGINEER'S DRAWINGS FOR DESIGN CRITERIA.

EGRESS WINDOW NOTES:
EGRESS WINDOWS ARE TO COMPLY WITH FBC R310.
PER FBC R310.1.1.4:
-AT FIRST FLOOR EGRESS WINDOW MUST COMPLY WITH A MIN. NET CLEAR OPENING OF 5.50 FT.

-AT SECOND FLOOR EGRESS WINDOWS MUST COMPLY WITH A MIN. NET CLEAR OPENING OF 5.750 FT.

3. SEE STRUCTURAL ENGINEER'S DRAWINGS FOR DESIGN CRITERIA.

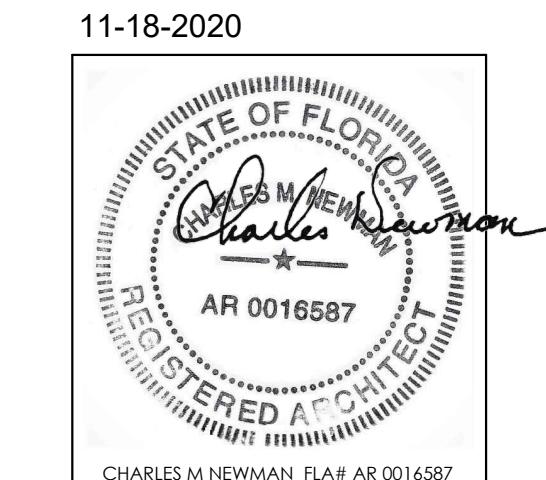




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Revisions

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Do not scale drawings use written dimensions

drawn by: GF

checked by: GF

date: 10-30-2020

drawing no.

A13

GENERAL NOTES

ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE IDENTICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES BETWEEN THE DRAWING AND EXISTING CONDITIONS TO THE DESIGNER PRIOR TO BIDDING AND AGAIN PRIOR TO COMMENCING WORK.

ALL BOLTS, NUTS, WASHERS, STRAPS, AND FASTENERS INCLUDING NAILS, SHALL BE HOT DIP GALVANIZED. CONTINUOUS ANCHORAGE SHALL BE PROVIDED BETWEEN ALL TRUSSES, WALL SECTIONS, BEAMS, POSTS, AND FOOTINGS WITH THE USE OF STRAPS AND CONNECTORS AS SPECIFIED HEREIN, EXCEPT FOR EXTERIOR FRAMING AS NOTED OTHERWISE.

IF ALUMINUM IS TO BE USED IN ANY AREAS ALL FASTENERS IN CONTACT SHALL BE ALUMINUM ALSO, OR A BARRIER SHALL BE PROVIDED TO PREVENT GALVANIC ACTION BETWEEN DISIMILAR METALS.

ALL OPENINGS AND OPENING LOCATIONS ARE BASED IN NOMINAL MODULAR SIZES. DIMENSIONS MAY VARY DUE TO FURRING, BLOCKING, TRUSS ALIGNMENT, LOADING OR OTHER CONDITIONS NECESSARY TO COMPLETE CONSTRUCTION. DIMENSIONS MAY NOT BE IDENTICAL TO THE ACTUAL REQUIREMENT DUE TO THE MANUFACTURE AND/OR SERIES THAT WAS SELECTED.

PROVIDE CAULKING AND SEALING AT ALL EXTERIOR DOORS AND WINDOWS. PROVIDE THRESHOLDS AND WEATHER STRIPPING AT ALL EXTERIOR DOORS. ALL OTHER WATERPROOFING IS BY THE GENERAL CONTRACTOR OR THE ARCHITECT IF ONE IS ON THE JOB.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

CONTRACTOR SHALL LOCATE ALL BURIED UTILITIES PRIOR TO EXCAVATION FOR BUILDING FOUNDATIONS. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF POTENTIAL CONFLICTS BETWEEN FOUNDATIONS AND BURIED UTILITIES.

CODE REQUIREMENTS- THE BUILDING STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2011 6TH EDITION OF THE FLORIDA BUILDING CODE. FOLLOW ALL APPLICABLE PROVISIONS FOR ALL PHASES OF CONSTRUCTION.

TEMPORARY CONDITIONS: THE STRUCTURAL INTEGRITY OF THE COMPLETED STRUCTURE DEPENDS ON INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR STABILITY UNDER FINAL CONFIGURATION ONLY.

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIE DOWNS.

PROVIDE 8"X16" CAST IN PLACE TIE BEAM CONTINUOUS AROUND ENTIRE PERIMETER OF THE HOUSE, UNLESS NOTED OTHERWISE. SEE BEAM PLAN FOR APPROPRIATE REINFORCEMENT. PROVIDE A STANDARD LINTEL BY CAST-CRETE 8F16-18/17/18 UNLESS SPECIFIED OTHERWISE BELOW THE TIE BEAM, REINFORCED TO MEET LOADING CONDITIONS OF OPENINGS.

FOUNDATIONS:

FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2,500 PSF ON COMPACTED FILL. BEFORE CONSTRUCTION COMMENCES, SOIL BEARING CAPACITY SHALL BE VERIFIED BY A SUBSURFACE INVESTIGATION. SEE BEAM PLAN FOR APPROPRIATE REINFORCEMENT. PROVIDED BY A CERTIFIED LABORATORY, WHO'S REPORT, SHALL INCLUDE ANALYSIS AND RECOMMENDATIONS FOR SITE PREPARATION IN ORDER TO BEAR THE FOUNDATION LOADS. ABOVE REPORT SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW BEFORE FOUNDATION CONSTRUCTION BEGINS.

CENTER ALL FOOTINGS AND PIERS UNDER COLUMNS ABOVE UNLESS SPECIFICALLY DIMENSIONED OTHERWISE.

PROVIDE TERMITE PROTECTION OVER GRANULAR FILL WELL COMPACTED FILL TO 45% MODIFIED PROCTOR. PROVIDE STEGO 10-MIL VAPOR RETARDER.

ALL FOOTINGS TO EXTEND BELOW GRADE MINIMUM 12" AT BEARING WALLS. INTERIOR BEARING FOOTINGS TO EXTEND CONSTRUCTION FILL UNLESS NOTED OTHERWISE.

ALL CONCRETE SLABS ON GRADE SHALL BE REINFORCED WITH 6"X6" #10/10 W/HM OR FIBERMESH 2.5# CUBIC YARD.

FILL UNDER CONCRETE SLABS SHALL BE CLEAN SAND OR ROCK AND FREE OF DEBRIS AND OTHER DELETERIOUS MATERIAL. FILL SHALL BE COMPACTED TO A DENSITY OF AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM T1551).

WELDED WIRE MESH SHALL CONFORM TO ASTM-A-185, FREE FROM OIL, SCALE, AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL PLACE DETAILS OF ACT STANDARDS AND SPECIFICATIONS.

SHOP DRAWING SUBMITTALS:

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT OR DIRECTLY TO THE ENGINEER PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS INCLUDING THE FOLLOWING:

CONCRETE MIX DESIGNS,
CONCRETE AND MASONRY REINFORCING,
PRE-ENGINEERED TRUSS DRAWINGS,

PREFAB CONCRETE DRAWINGS,

CURTAIN WALLS,

STEEL FABRICATION DRAWINGS,

STEEL DETAILS DRAWINGS,

STRUCTURAL STEEL CORROSION PROTECTION SPECIFICATION,

OPEN WEB STEEL JOISTS,

ITEMS CONSIDERED AS PART OF AN ASSEMBLY, i.e. WINDOWS, ETC.

ANY OTHER PRECAST ITEMS.

WHERE STRUCTURAL STEEL IS USED IN THE PROJECT, STEEL TO STEEL CONNECTIONS SHALL BE THE RESPONSIBILITY OF A DELEGATE ENGINEER. THE DELEGATE ENGINEER SHALL SUBMIT THE SHOP DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW. THE ENGINEER OF RECORD SHALL REVIEW THE CAPACITIES OF THE SHOP DRAWINGS DESIGN AGAINST THE STRUCTURAL LOADS AND MAKE CORRECTIONS AS REQUIRED. IF THE ENGINEER OF RECORD DOES SUPPLY THE STEEL TO STEEL CONNECTION DETAIL, THE DELEGATE ENGINEER SHALL STILL PRODUCE A SHOP DRAWINGS FOR REVIEW.

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO THE REVIEW AND ACCEPTANCE OF THE ENGINEER.

SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC. CONTRACTOR SHALL NOT BE REMOVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE ENGINEER'S REVIEW.

CONCRETE:

REINFORCED CONCRETE CONSTRUCTION SHALL CONFORM TO THE FBC AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" CONCRETE STRENGTHS SHALL BE VERIFIED BY STANDARD 28-DAY CYLINDER TESTS PER ASTM C39, AND SHALL BE AS FOLLOWS:

FOUNDATIONS: $f_c = 3,000 \text{ psi}$
BEAMS, COLUMNS, ALL OTHER ITEMS UNLESS OTHERWISE SPECIFIED: $f_c = 4,000 \text{ psi}$

CEMENT SHALL CONFORM TO ASTM C150, TYPE 1, FLY ASH CONFORMING TO ASTM C618, TYPE FOR TYPE C, MAY BE USED TO REPLACE UP TO 20% OF THE CEMENT CONTENT, PROVIDED THAT THE MIX STRENGTH IS SUBSTANTIATED BY TEST DATA. COARSE AGGREGATE SHALL CONFORM TO ASTM C33 WITH A MAXIMUM SIZE OF 1". FINE AGGREGATE SHALL BE CLEAN, DURABLE, NATURAL SAND CONFORMING TO ASTM C33.

A WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C4-94, USED IN STRICT ACCORDANCE WITH

THE MANUFACTURER'S RECOMMENDATIONS, SHALL BE INCORPORATED IN CONCRETE DESIGN MIXES. A HIGH RANGE WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C444, TYPE F OR G, MAY BE USED IN CONCRETE MIXES, PROVIDED THAT THE SLUMP DOES NOT EXCEED 8".

SLEEVES, OPENINGS, CONDUIT, AND OTHER EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER BEFORE FOURING. NO SLEEVE, OPENING OR INSERT MAY BE PLACED IN BEAMS, JOISTS, OR COLUMNS UNLESS APPROVED BY THE ENGINEER. CONDUITS EMBEDDED IN SLABS SHALL NOT BE LARGER IN OUTSIDE DIMENSION THAN ONE THIRD OF THE THICKNESS OF THE SLAB AND SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTER.

PROVIDE 3/4" CHAMFERS ON ALL EXPOSED CONCRETE EDGES, UNLESS NOTED OTHERWISE, WHERE INDICATED OR REQUIRED, SLOPE CONCRETE SLABS TO DRAINS SHOWN ON PLUMBING AND/OR ARCHITECTURAL DRAWINGS.

ALL CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS.

WEATHER RESISTANCE:

CONCRETE BALCONIES OR OTHER CONCRETE FLAT SURFACES EXPOSED TO THE WEATHER THROUGHOUT THE LIFE OF THE BUILDING, SHALL BE TREATED WITH A CLEAR NONFLAMMABLE PENETRATING SEALER OF THE ALKYL-ALKOXY SILANE CLASSIFICATION, SUCH AS SONNEBORN PENETRATING SEALER 20, HYDROZ ENVIRONSEAL 20, OR OTHER APPROVED WEATHER RESISTANT SYSTEM. APPLICATION AND SURFACE PREPARATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SHORING AND RESHORING:

SHORING AND RESHORING SHALL CONFORM TO ACI 34TR-88. SHORING AND SUPPORTING FORMWORK SHALL NOT BE REMOVED FROM HORIZONTAL MEMBERS BEFORE CONCRETE STRENGTH IS AT LEAST 70 PERCENT OF DESIGN STRENGTH, AS DETERMINED BY FIELD CURE CYLINDERS. IN ADDITION, SHORING SHALL NOT BE REMOVED SOONER THAN RECOMMENDED BY ACI 34TR-88, SECTION 3.7.2.3. FORMWORK SHALL NOT BE REMOVED IN LESS THAN 10 (10) DAYS. ALL SHORING SHALL BE DESIGNED BY A DELEGATE ENGINEER AND REMOVAL OF SHORING SHALL BE CONDUCTED UNDER THEIR SUPERVISION.

REINFORCING STEEL:

REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, FOR DEFORMED BAR AND ASTM A195 FOR SMOOTH WELDED WIRE FABRIC (WWF). UNLESS OTHERWISE NOTED, REINFORCING STEEL TO BE USED SHALL CONFORM TO ASTM A106. REINFORCING STEEL SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE.

ALL RETAILING AND ACCESSORIES SHALL CONFORM TO ACI DETAILING MANUAL SP-66. PROVIDE CHAIRS, SPACERS, BOLSTERS, AND ITEMS IN CONTACT WITH FORMS WITH HOT-DIP GALVANIZED LEGS OR PLASTIC LEGS, ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT BY FORMWORK CONSTRUCTION OR CONCRETE PLACEMENT OPERATIONS. "NET-STICKING" OF REINFORCING IS PROHIBITED.

REQUIRED CONCRETE COVER FOR REINFORCING STEEL (UNLESS NOTED OTHERWISE):

FOOTINGS 3" BOTTOM AND SIDES, 2" TOP
SLABS 1" WALLS 1-1/2"

LAP SPLICE CONTINUOUS VERTICAL OR HORIZONTAL BARS IN CONCRETE MEMBERS IN ACCORDANCE WITH ACI 318, LATEST EDITION, FOR CLASS "B" TENSION LAP SPLICES. DO NOT SPLICE CONTINUOUS TOP BARS IN BEAMS AT ENDS OF CLEAR SPANS. DO NOT SPLICE CONTINUOUS BOTTOM BARS IN BEAMS IN CLEAR SPANS BETWEEN SUPPORTS. SHOW ALL SPLICES ON SHOP DRAWINGS. SPLICE LOCATIONS AND METHODS SUBJECT TO APPROVAL OF STRUCTURAL ENGINEER.

WALLS:

AT SLAB AND WALL OPENINGS PROVIDE A MINIMUM OF (2) #8 BARS ALL FOUR SIDES AND DIAGONALLY; EXTEND THESE BARS A LAP DISTANCE OR A MINIMUM OF 24" PAST THE OPENING OR HOOK BARS IF DISCONTINUOUS.

DO NOT ALL WALLS AND COLUMNS TO FOOTINGS WITH BAR SIZE AND SPACING TO MATCH VERTICAL REINFORCING UNLESS OTHERWISE SHOWN.

ADHESIVE ANCHORS:

ADHESIVE ANCHORS (EPOXY STYLE) SHALL HAVE THE ICC E5 EVALUATION REPORT INDICATING CONFORMANCE WITH CURRENT APPLICABLE ICC E5 ACCEPTANCE CRITERIA. ADHESIVE SHALL BE MOISTURE INSENSITIVE, ALLOWING INSTALLATIONS IN DAMP OR WATER-FILLED HOLES. ADHESIVE SHALL HAVE A FULL-CURE LOAD OF 2 HOURS OR LESS AT 70°F.

ACCEPTABLE ADHESIVE IN FOUNDATIONS, SLAB ON GRADE, COLUMNS AND WALLS ARE HIL TI HY-150 OR POWERS AC100+ GOLD; IN BEAMS AND ELEVATED SLABS ARE HIL TI RE500 OR POWERS FE1000+.

THREADED STUDS SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE. PERMANENTLY EXPOSED STUDS SHALL BE STAINLESS STEEL NUTS AND WASHERS SHALL CONFORM TO SAME SPECIFICATION AS THE SUPPLIED ANCHOR RODS.

INSTALLATION SHALL BE IN CONFORMANCE WITH MANUFACTURER'S PRINTED LITERATURE. INSTALLATION SHALL ALSO INCLUDE BRUSHING AND CLEANING OF DRILLED HOLES WITH COMPRESSED AIR AS INSTRUCTED. INSTALLERS SHALL BE TRAINED BY THE MANUFACTURER'S REPRESENTATIVE. EMBEDMENT SHALL BE AS INDICATED ON THE STRUCTURAL DRAWINGS.

IDENTIFY POSITION OF REINFORCING STEEL AND OTHER EMBEDDED ITEMS PRIOR TO DRILLING HOLES FOR ANCHORS. EXERCISE CARE IN CORING OR DRILLING TO AVOID DAMAGING EXISTING REINFORCING OR EMBEDDED ITEMS. NOTIFY THE ENGINEER IF REINFORCING STEEL OR OTHER EMBEDDED ITEMS ARE ENCOUNTERED DURING DRILLING.

MASONRY NOTES:

CONCRETE MASONRY UNITS SHALL BE ASTM C90-15, HOLLOW LOAD BEARING CONCRETE MASONRY UNITS, TYPE I, GRADE N-1, NORMAL WEIGHT.

MORTAR SHALL CONFORM TO ASTM C210 AND BE TYPE M OR S. SLUMP SHALL BE 8" TO 11".

PROVIDE DUR-O-WIRE @ 16" O.C. VERTICAL, 9 GAUGE STEEL.

PROVIDE A FULL MORTAR BED ADJACENT TO GROUTED CELLS.

WHERE INDICATED ON THE DETAILS AND SECTION, PROVIDE GRADE 60 REBAR IN FILLED CELLS. MAXIMUM CELL SPACING SHALL NOT EXCEED 48" AT ANY TIME. SPACING SHOWN ON THE PLAN VIEW IS FOR ILLUSTRATION PURPOSES ONLY UNLESS SHOWN AT ADJACENT TO WALL OPENINGS.

GROUT SHALL BE 2000 PSI MINIMUM COMPRESSIVE STRENGTH AND MEET ASTM C170.

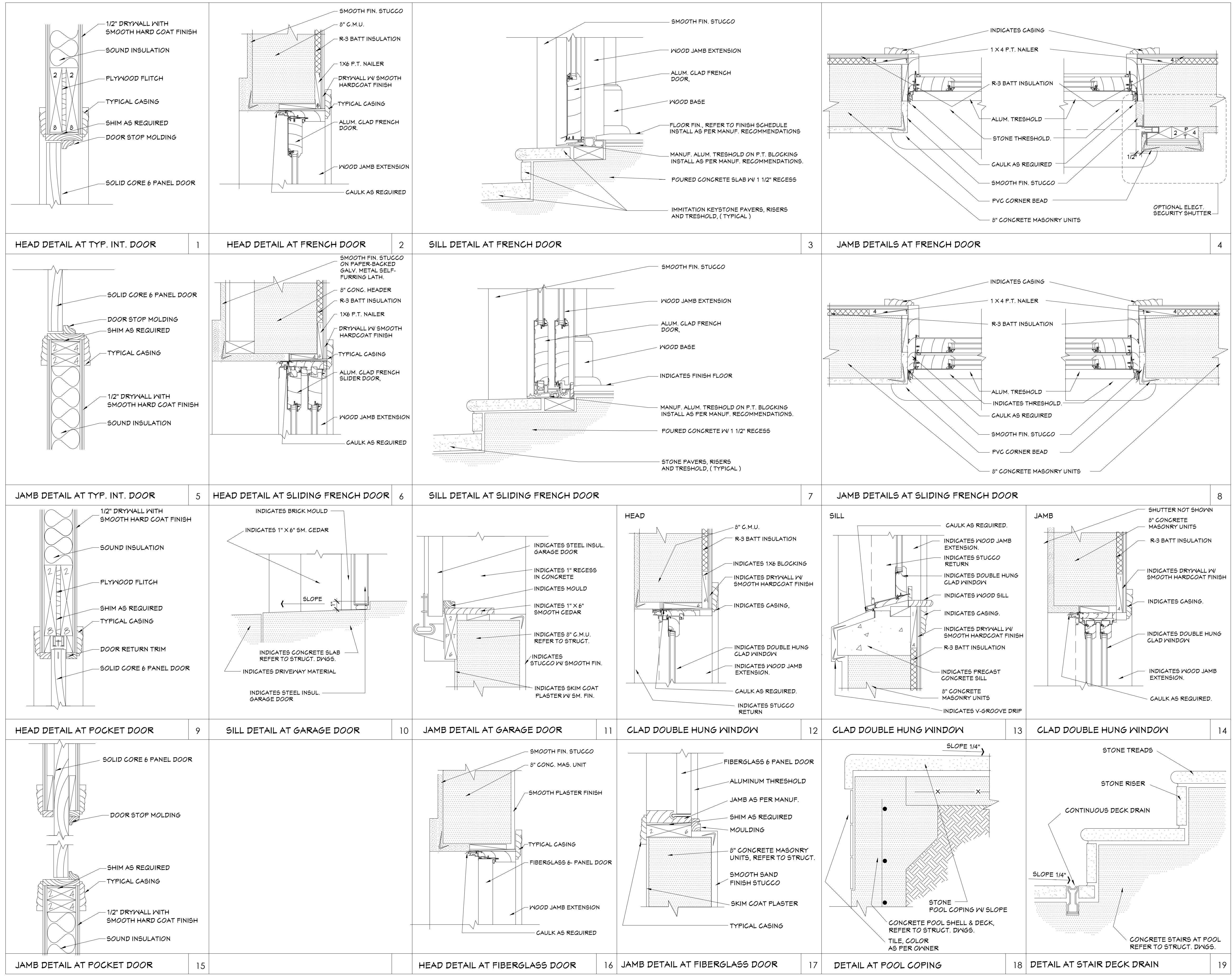
ALL CELLS CONTAINING VERTICAL BARS, BOND BEAMS, AND ALL CELLS BELOW GRADE SHALL BE FILLED WITH GROUT. MAXIMUM HEIGHT OF GROUT POUR SHALL BE 48" UNLESS WITNESS HOLE OPENINGS ARE PROVIDED AT BOTTOM OF CELLS TO BE FILLED.

ALL WALLS SHALL BE 8" CMU PARTIALLY REINFORCED MASONRY WALL WITH RUNNING BOND CONSTRUCTION WITH #5 AT 24 INCH O.C. IN GROUT FILLED CELLS. ADD (1) #5 REINFORCING BAR EACH SIDE OF OPENINGS, IN OPENINGS EXCEEDING 8" PROVIDE (1) #5 IN EACH OF (2) ADJACENT CELLS.

PROVIDE REINFORCING BARS AT CORNERS, INTERSECTIONS, AND EACH SIDE OF OPENINGS. PROVIDE HOOKED DOWELS INTO FOOTINGS AND STRUCTURE ABOVE AND/OR BELOW TO PROVIDE CONTINUITY.

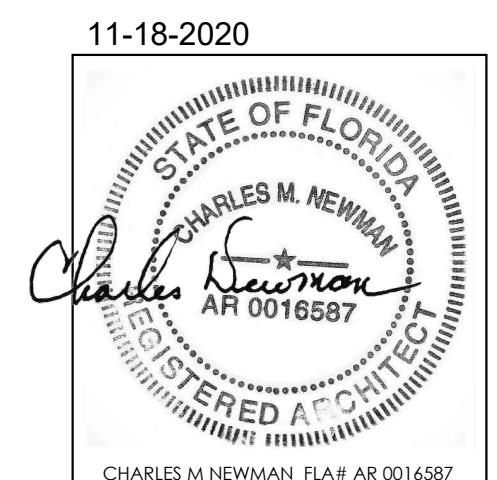
DO NOT PLACE CONDUITS, PIPES, ETC. IN CELLS WITH VERTICAL REINFORCING. DO NOT RUN CONDUITS, PIPES, ETC. HORIZONTALLY IN CMU WALLS PARALLEL TO LENGTH OF WALL WHERE MASONRY WALLS ABUT CONCRETE COLUMNS TO BE PLACED PRIOR TO ERECTION OF MASONRY WALLS. PROVIDE DOVETAIL SLOTS BETWEEN COLUMN AND WALLS AND GROUT THE CMU CELL CONTAINING THE DOVETAIL ANCHORS. OTHERWISE, EXTEND CMU HORIZONTAL JOINT REINFORCING THROUGH CONCRETE COLUMN.

CONTROL JOINTS SHALL BE PROVIDED IN ALL CONCRETE MASONRY CONSTRUCTION AT LOCATIONS



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drawn by: GF
checked by: GF
date: 10-30-2020
drawing no.

A14