

PROPERTY ADDRESS:

402-404 BELL BOULEVARD S., LEHIGH ACRES, FL 33974.

LEGAL DESCRIPTION:

LOT 16, BLOCK 35, LEHIGH ACRES UNIT 6, SECTION 10, TOWNSHIP 45 SOUTH, RANGE 27 EAST, A SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED AT PLAT BOOK 18, PAGE 7, IN THE PUBLIC RECORDS OF LEE COUNTY, FLORIDA.



ANY QUESTIONS REGARDING THE DRAWINGS, DESIGNS AND INFORMATION REPRESENTED HEREIN PLEASE CONTACT:

OLYMPUS DESIGNS GROUP

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NAPLES, FL 34110
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REVISIONS

No.	Description	Date

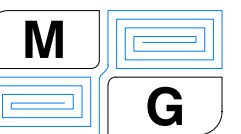
APPLICABLE CODES

-6TH EDITION (2017) FLORIDA BUILDING CODE
-6TH EDITION (2017) FLORIDA EXISTING CODE
-2014 STANDARD NATIONAL ELECTRICAL CODE

DIGITAL SEAL

THIS DESIGN HAS BEEN PREPARED UNDER SUPERVISION, DIRECTION AND CONTROL OF:

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maxguerra@mg-engineering.us



J & A INVESTMENTS

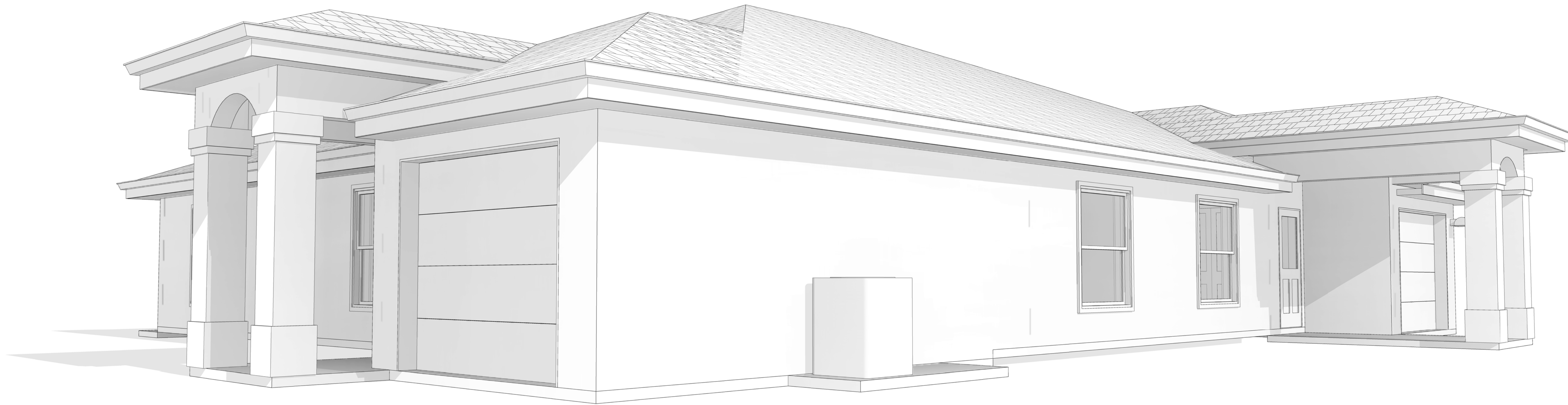
402/404 BELL BLVD. S. - 10408667

COVER SHEET

Project Number	
Date	12/20
Drawn by	JG
Notes	DS

CS

Scale



EXTERIOR PERSPECTIVE

SATELLITE VIEW LOCATION



DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
CS	COVER SHEET
A1	FLOOR PLAN
A2	FOUNDATION PLAN
A3	ELEVATIONS
A4	ROOF/BEAMS PLAN
A5	ELECTRICAL PLAN
A6	DETAILS

AREA SUMMARY UNIT A	
TOTAL A/C LIVING AREA:	1197.00 SQ FT
ENTRANCE:	67.00 SQ FT
GARAGE:	223.00 SQ FT
LANAI:	83.00 SQ FT
TOTAL UNDER ROOF:	1580.00 SQ FT

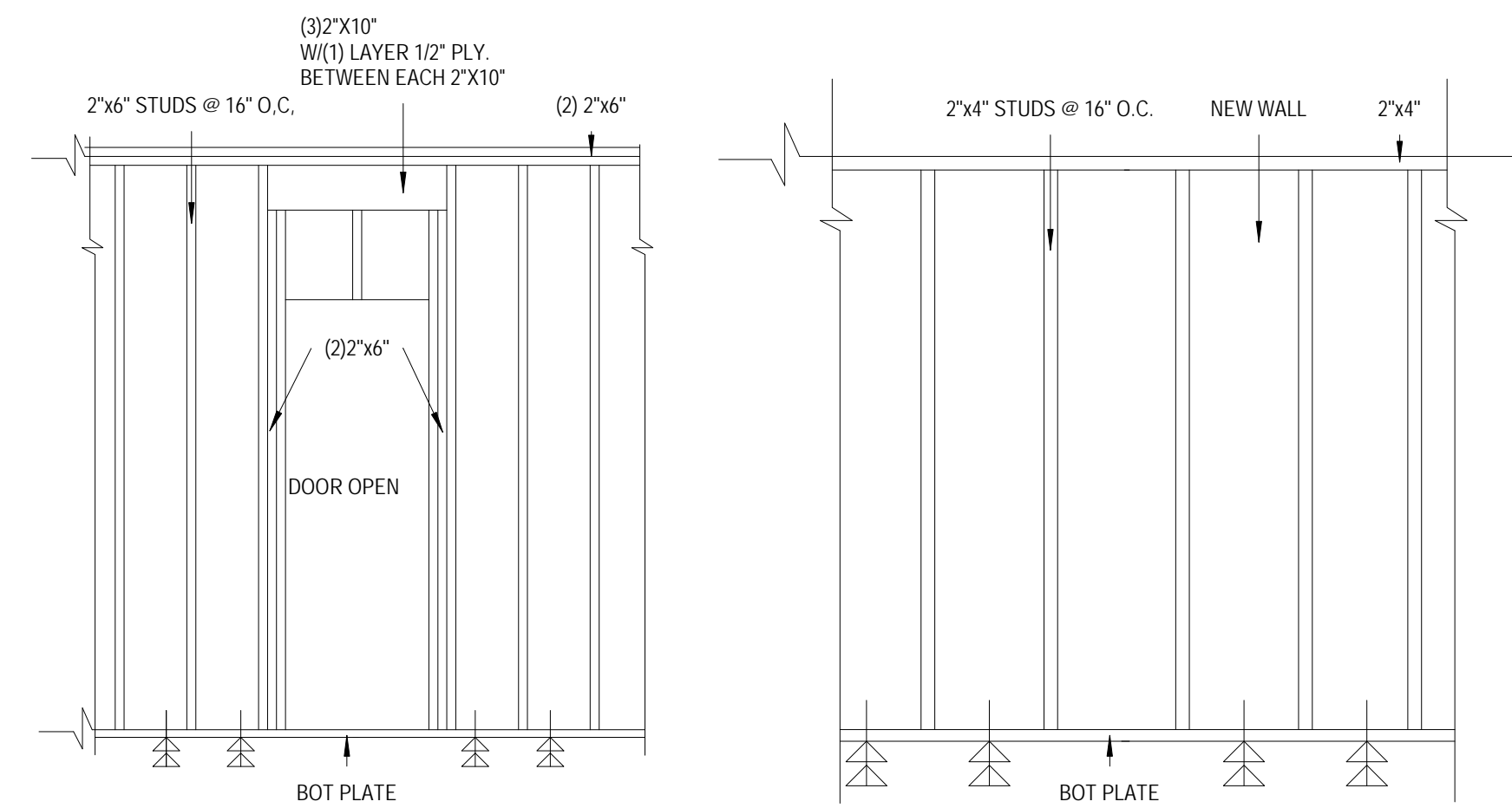
AREA SUMMARY UNIT B	
TOTAL A/C LIVING AREA:	1197.00 SQ FT
ENTRANCE:	52.00 SQ FT
GARAGE:	223.00 SQ FT
LANAI:	83.00 SQ FT
TOTAL UNDER ROOF:	1565.00 SQ FT

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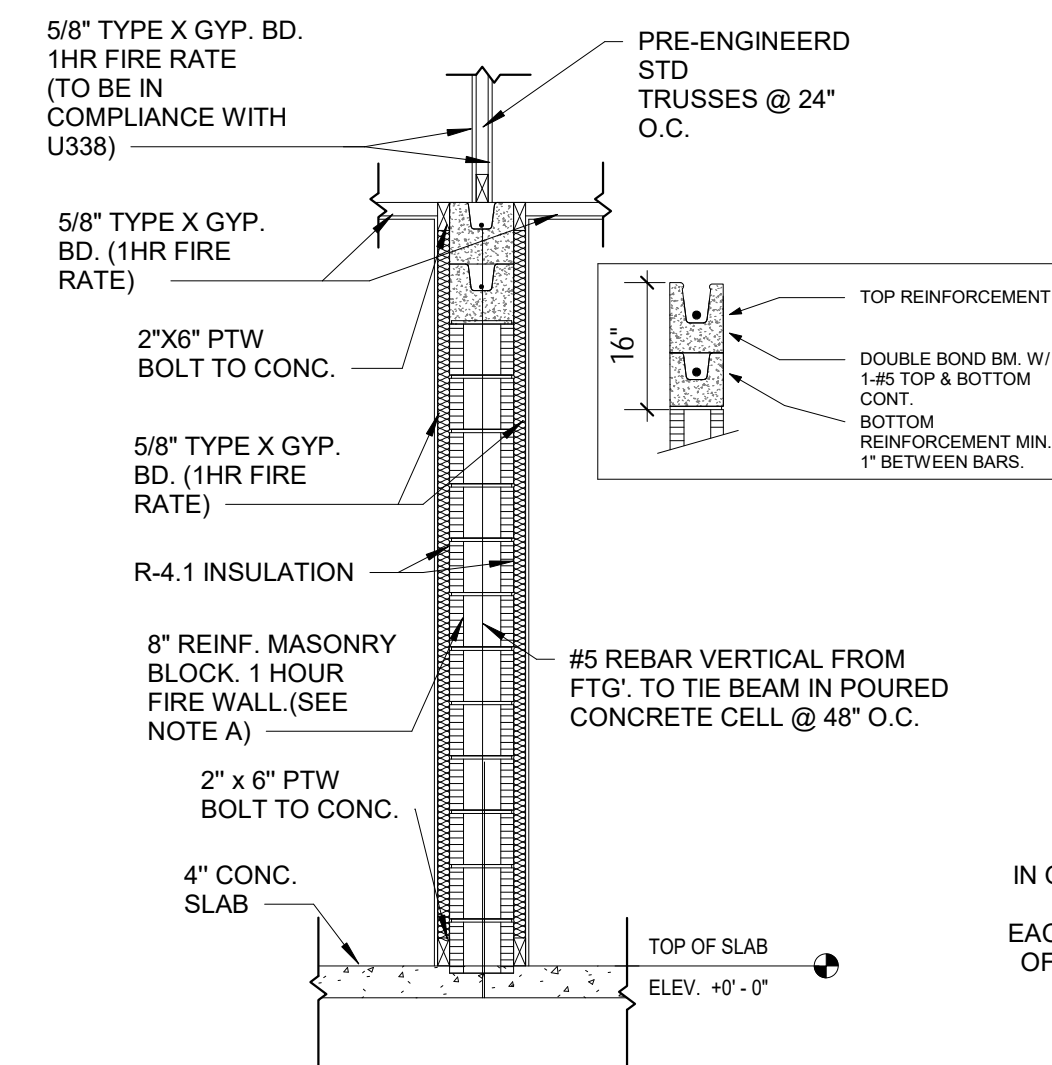
JOB DATA	
ULTIMATE DESIGN WIND SPEED:	160
NOMINAL DESIGN WIND SPEED:	124
RISK CATEGORY:	2
IMPORTANCE FACTOR:	1.0
BUILDING OCCUPANCY CLASSIFICATION:	RESIDENTIAL
BUILDING CONSTRUCTION TYPE:	5B
EXPOSURE CATEGORY:	B
OPENING PROTECTION:	
INTERNAL PRESSURE COEFFICIENTS:	+0.18, -0.18 (ENCLOSED)
FLOOR LIVE LOAD: 1/360 LIVE, 1/240 DEAD	
ROOF LIVE LOAD: 1/360 LIVE, 1/240 DEAD (SUPPORTING PLASTER CEILING)	
THE STRUCTURAL COMPONENTS OF THIS PLAN ARE IN COMPLIANCE WITH THE 6TH EDITION FLORIDA BUILDING CODE, WIND LOAD COMPLIANCE AND ITS RESISTANCE TO GRAVITY AND DESIGN PRESSURES GENERATED BY A WIND VELOCITY OF 160 MPH.	
WIND VELOCITY (MPH.)	160
IMPORTANCE FACTOR	1.00
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT	(+, -) 0.18
MEAN ROOF HEIGHT (FT)	15'-0"
BUILDING WIDTH (FT)	68'-5"
BUILDING LENGTH (FT)	67'-3"
ROOF SLOPE	5:12
ENCLOSED STRUCTURE	

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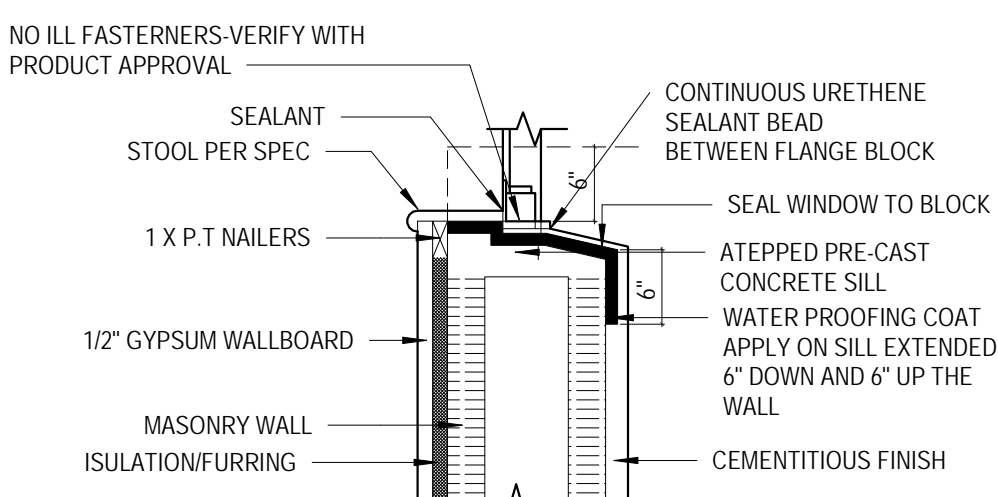
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ENTRANCE: 52.00 SQ FT
GARAGE: 223.00 SQ FT
LANAI: 83.00 SQ FT
TOTAL UNDER ROOF: 1565.00 SQ FT



DETAIL A N.T.S.



FIRE WALL SECTION 1/2" = 1'-0"



SH WINDOW SILL-CMU N.T.S.

NOTE A:

TABLE 722.3.2

MINIMUM EQUIVALENT THICKNESS (in) OF BEARING OR NONBEARING CONCRETE MASONRY WALLS: 2.8

TYPE OF AGGREGATE: CALCAREOUS OR SILICEOUS GRAVEL

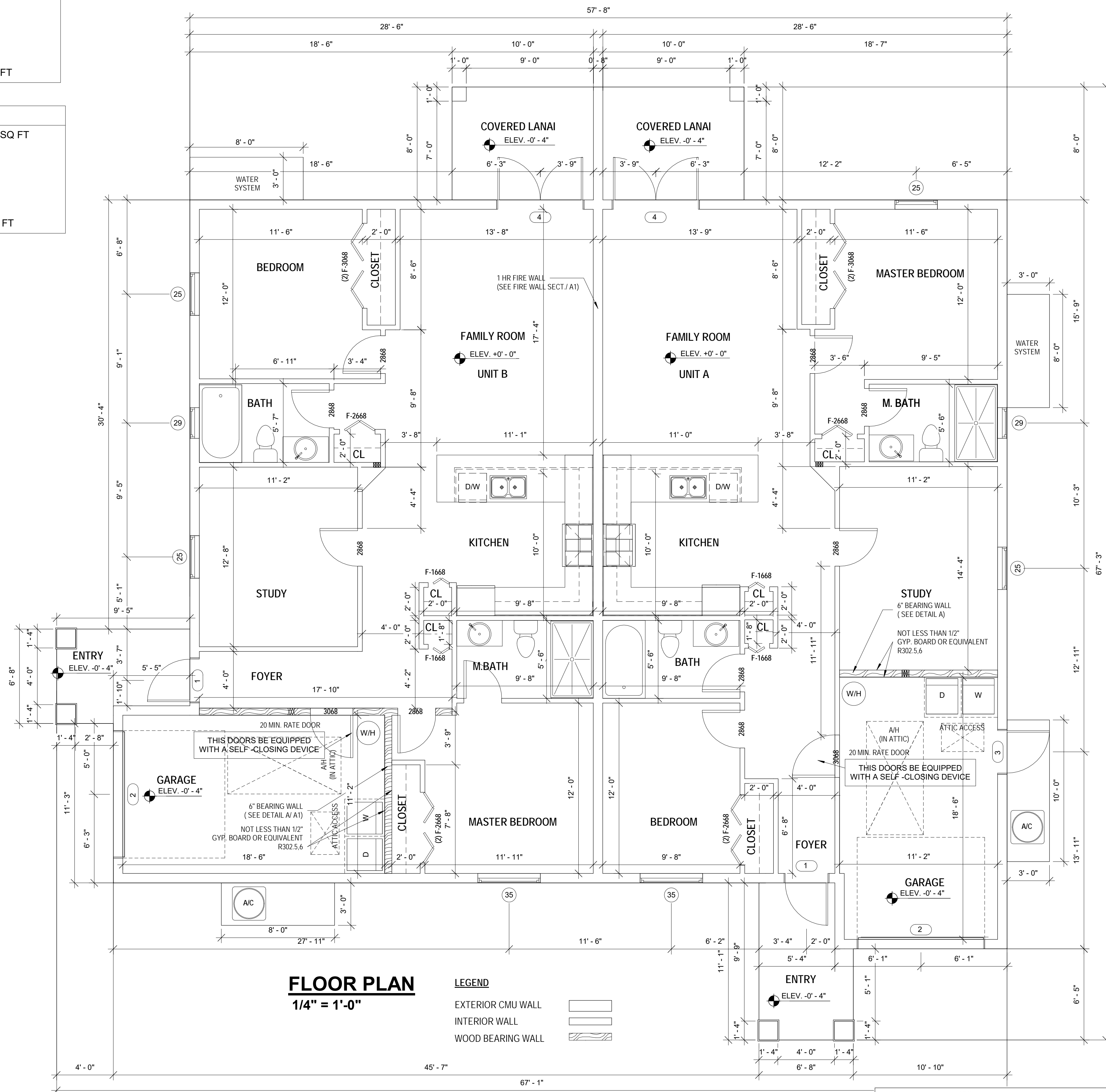
FIRE RESISTANCE RATING (hours): 1

CMU COLUMN W/ #5 REBAR VERTICAL

IN GROUT FILLED CELLS INSTALL #5 REBAR IN EACH CELL @ CORNERS OF MASONRY COLUMN.

CAST-IN-PLACE REINFORCED CONCRETE PAD FOOTING. SEE FOUNDATION PLAN FOR DETAILS

TYP. CMU COLUMN DETAIL N.T.S.



DOOR SCHEDULE						
Type Mark	Model	Width	Height	Type Comments	Max. Positive Pressure	Max. Negative Pressure
1	ENTRY	3'-0"	6'-8"	EXTERIOR	36.0	-39.2
2	GARAGE	8'-10"	7'-0"	EXTERIOR	35.4	-45.7
3	SWING	3'-0"	6'-8"	EXTERIOR	36.0	-39.2
4	FRENCH DOOR	6'-0"	6'-8"	EXTERIOR	41.0	-44.9

WINDOW SCHEDULE						
Type Mark	Width	Height	Description	Count	Max. Positive Pressure	Max. Negative Pressure
25	3'-0"	5'-3"	SINGLE HUNG	4		
29	2'-2"	2'-2"	SINGLE HUNG	2	46.1	-50.0
35	4'-5"	5'-3"	SINGLE HUNG	2	43.6	-47.5

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NOTES:
1- CONTRACTOR TO VERIFY WINDOWS AND DOORS ROUGH OPENINGS AS PER THE MANUFACTURER SPECIFICATIONS.
2- OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN 1-3/8 INCHES (35 MM) IN THICKNESS, SOLID OR HONEYCOMB-CORE STEEL DOORS NOT LESS THAN 1-3/8 INCHES (35 MM) THICK, OR 20-MINUTE FIRE-RATED DOORS. (R302.5.1)
3- THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN A 1/2-INCH (12.7 MM) GYPSUM BOARD OR EQUIVALENT APPLIED TO THE GARAGE SIDE. THE GARAGE SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE, BY NOT LESS THAN 5/8-INCH (15.9 MM), TYPE X GYPSUM BOARD OR EQUIVALENT. (R302.6)



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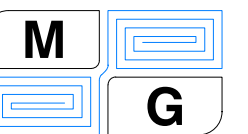
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J & A INVESTMENTS

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FLOOR PLAN

Project Number	
Date	12/20
Drawn by	JG
Notes	DS

A1

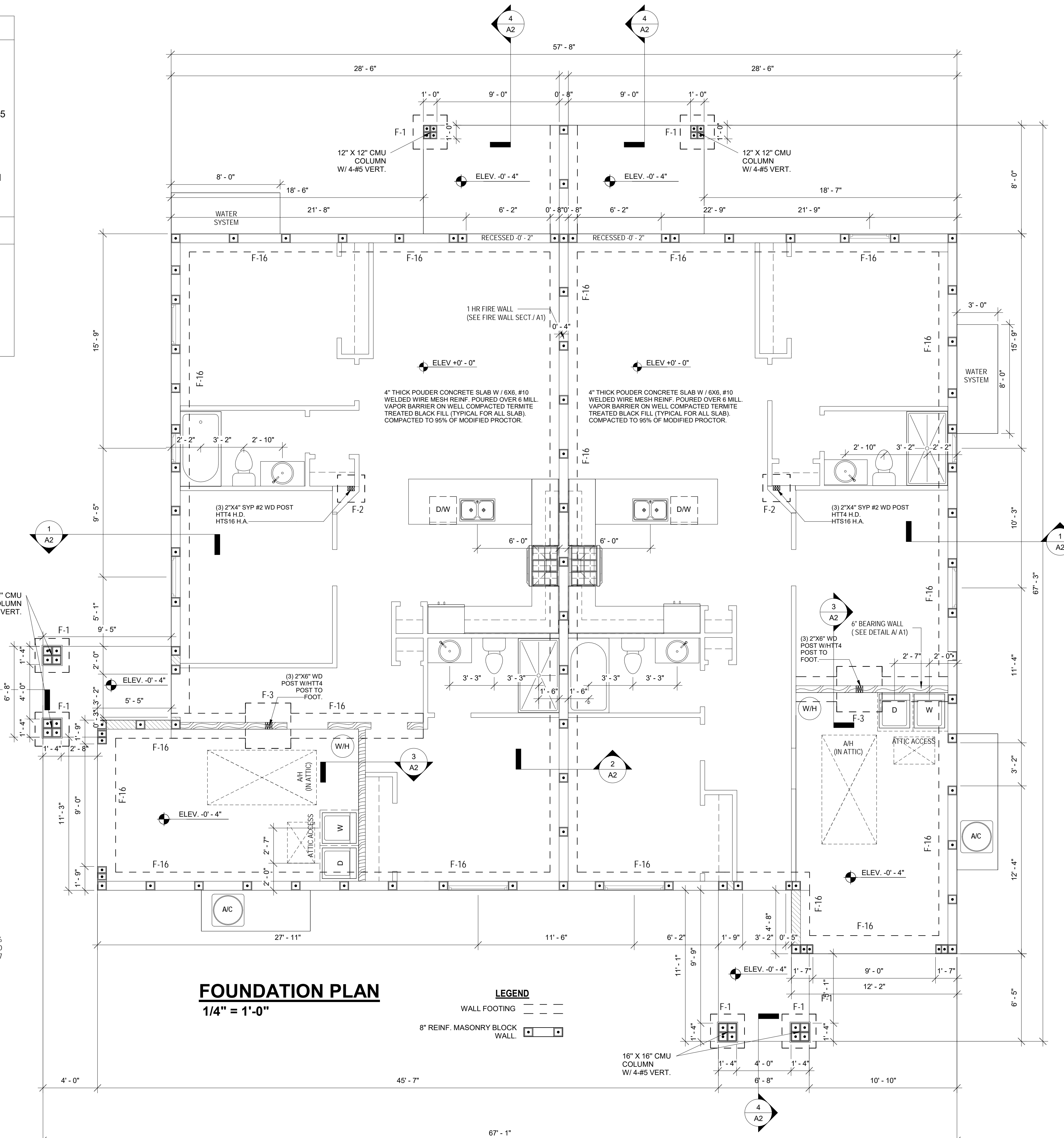
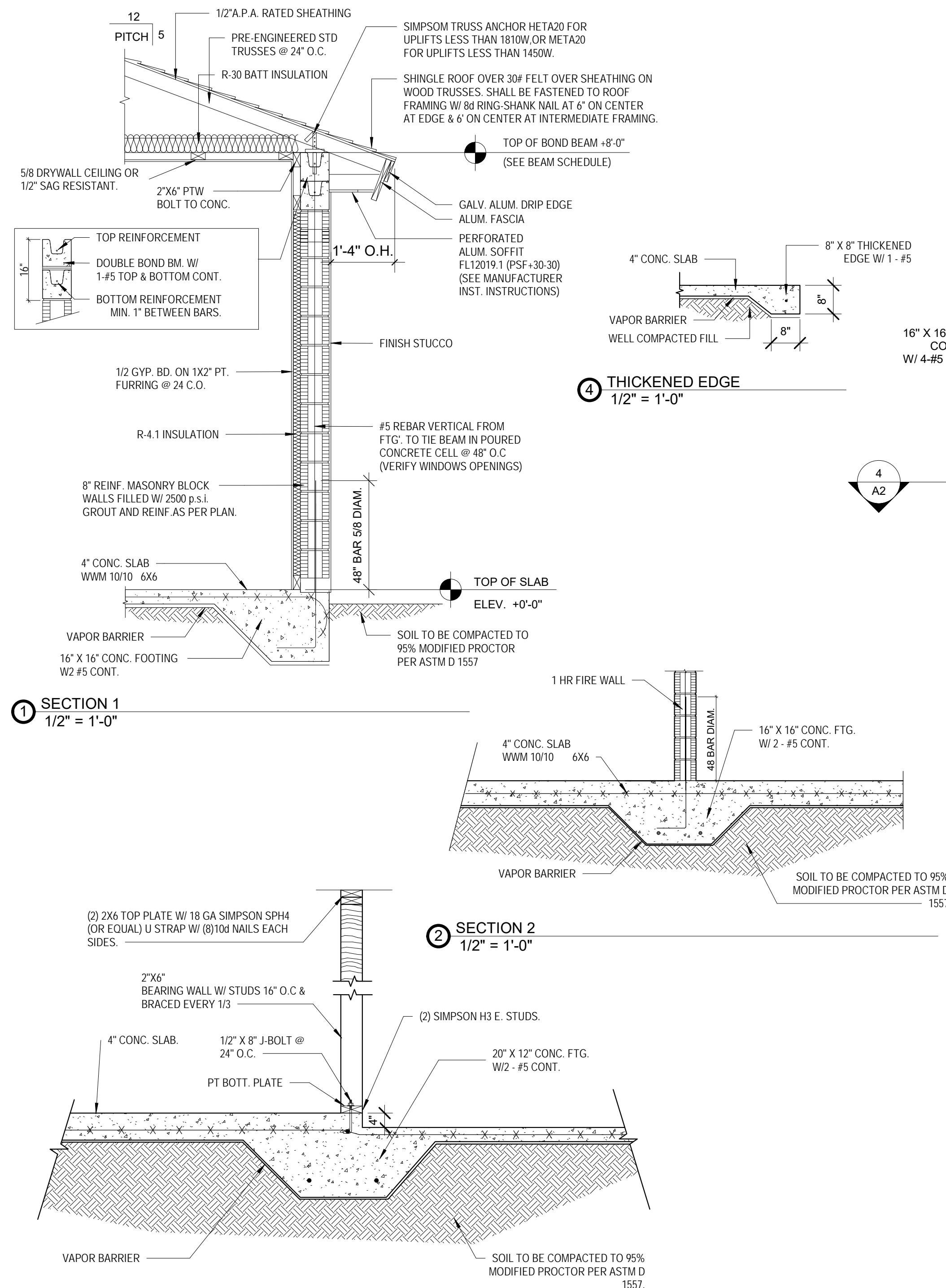
Scale As indicated

FOUNDATION GROUND FLOOR NOTES

- FLOOR SLAB IS A 4" CONC. SLAB-ON-GRADE (fc=3000 psi) WITH 6 X 6 W1.4 X W1.4 W.W.F. @ MID-DEPTH (NOT SHOWN) ON WELL COMPACTED & TREATED SOIL OVER 6 MIL. VAPOR BARRIER. REFER TO DETAIL. SOIL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR PER ASTM D 1557 IN LIFTS NOT EXCEED 12".
- FOUNDATIONS ARE DESIGNED FOR 3000 PSF. GENERAL CONTRACTOR SHALL VERIFY THE VALIDITY OF THIS ASSUMPTION.
- CENTER OF LOAD SHALL COINCIDE WITH CENTER OF FOOTING U.N.O.
- ALL CONCRETE TO HAVE A MINIMUM OF 3000 PSI COMPRESSIVE STRENGTH WITH THE WATER/CEMENT RATIO OF 0.5 MAXIMUM.
- INDICATES ADDITIONAL #5 IN CMU WALLS.
- REFER TO ARCHITECTURE PLANS FOR ALL DIMENSIONS.
- ALL REINFORCEMENT SHALL BE GRADE 60.
- BUILDING PAD SHALL BE COMPACTED 5' - 0" EACH SIDE OF THE BUILDING AND SLOPE AT 30 DEGREES TO GRADE. FOOTING SHALL EMBED AT LEAST 12". IF THESE CONDITIONS CAN NOT BE MET, THE BUILDING SHALL BE ON STEM WALL FOUNDATION. NOTIFY ENGINEER PRIOR TO CONSTRUCTION.
- SOIL SHALL BE TREATED FOR TERMITE PROTECTION AS PER SECTION R318 OF F.B.C 6TH EDITION 2017.

MASONRY WALL REINFORCEMENT CEMENT

- WALL REINFORCEMENT SHALL BE DOWELED FROM FOUNDATION AND BE CONTINUOUS THROUGH SOLID GROUTED CELLS AND BE HOOKED OVER TOP REINFORCEMENT OF UPPER BEAMS. MINIMUM LAP SPLICE SHALL BE 48 BAR DIAMETERS. FOR HORIZONTAL WALL REINFORCEMENT, @ EVERY OTHER COURSE.
- WALL REINFORCEMENT IS FOLLOWS: #5 @ 48" O.C. PROVIDE 1#5 AT ALL WALL INTERSECTIONS, CORNERS, AND EACH SIDE OF OPENINGS AND 2#5 EACH SIDE OF OPENINGS LARGER THAN 6' - 0".
- WALL SEGMENT BELOW AND ABOVE THE OPENINGS SHALL BE REINFORCED SAME AS WALL.
- MASONRY GROUT = 2500 P.S.I.
- MASONRY WALL COMPRESSIVE STRENGTH OF fm = 1500 P.S.I.
- MORTAR TYPE M OR S WITH 1900 P.S.I COMPRESSIVE STRENGTH.



LEGEND

WALL FOOTING [Symbol]

8" REINF. MASONRY BLOCK WALL [Symbol]

FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT
F-1	30" X 30" X 16"	W5 - #4 EA. WAY. BOTT
F-2	24" X 24" X 12"	W2 - #5 EA. WAY. BOTT
F-3	40" X 40" X 16"	W6 - #5 EA. WAY. BOTT
F-16	16" X 16"	16"X16" CONC. FOOTING W/2-#5 CONT.

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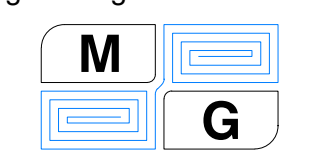
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FOUNDATION PLAN

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Drawn by	JG
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A2

Scale As indicated



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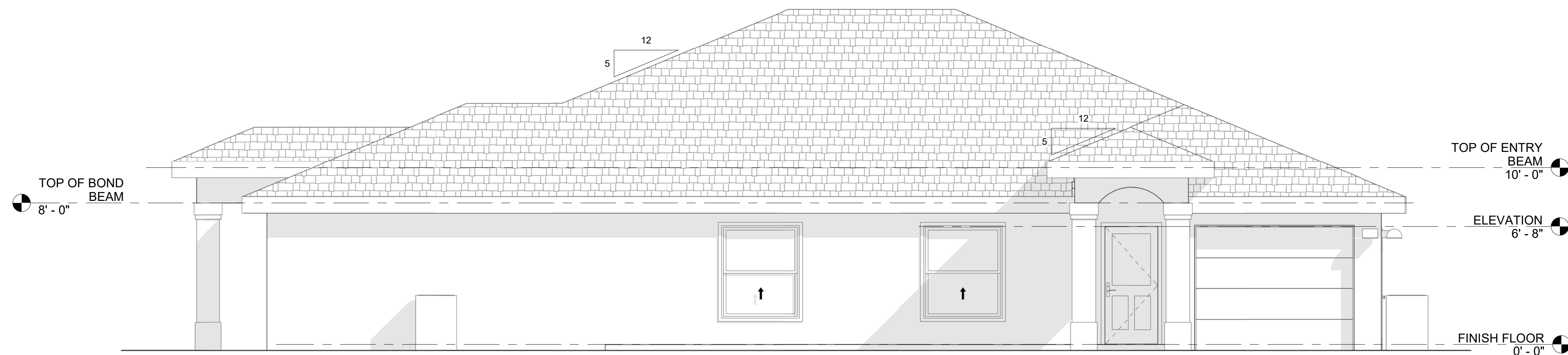
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ELEVATIONS

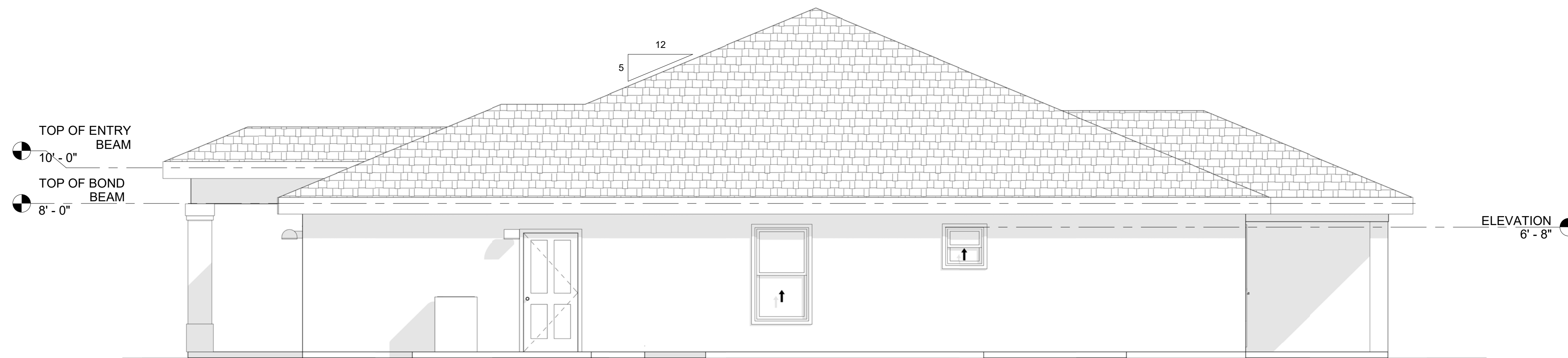
Project Number	
Date	12/20
Drawn by	JG
Notes	DS

A3

Scale 1/4" = 1'-0"



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



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



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



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

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MINIMUM ROOF VENT AREA PER FBC R806.2
 AREA: 3145 SQ. FT.
 VENTING REQUIRED: 3145 X 144 SQ. IN./SQ. FT. X 1/300 SQ. IN. VENT/SQ. IN. ROOF = 1509 SQ. IN.

NOTE:
 1/150 IS REQUIRED UNLESS AT LEAST 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NO MORE THAN 3 FEET (914 mm) BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. WHERE THE LOCATION OF WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF UPPER VENTILATORS, INSTALLATION MORE THAN 3 FEET (914 mm) BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED. UPPER VENTILATORS TO MAINTAIN MIN. 4 FEET FROM FIRE WALL/PARTITION.

DISCRETE ROOF AREAS TO HAVE PERCENTAGE OF TOTAL VENTING PROPORTIONAL TO THE PERCENTAGE OF AREA. SMALL ROOF AREAS SUCH AS ENTRY TOWERS MAY BE VENTED W/ SOFFIT VENTS ONLY PROVIDED VENTILATION IS BASED ON THE 2X INCREASE IN NET FREE AREA.

NOTE:
 ROOF VENTS SHOWN ARE BASED ON OFF RIDGE VENTS HAVING A MINIMUM NET FREE AREA OF 130 SQ. INCHES & PERFORATED SOFFIT MATERIAL HAVING A MIN. NET FREE OF 11.74 SQ. INCHES. CONTRACTOR REQUIRED TO VERIFY ALL ROOF VENTING PER THE CALCULATION IN FBC R806.2.

LOCATE ALL ROOF VENT PENETRATIONS MIN. 18" FROM RIDGES OR VALLEYS.

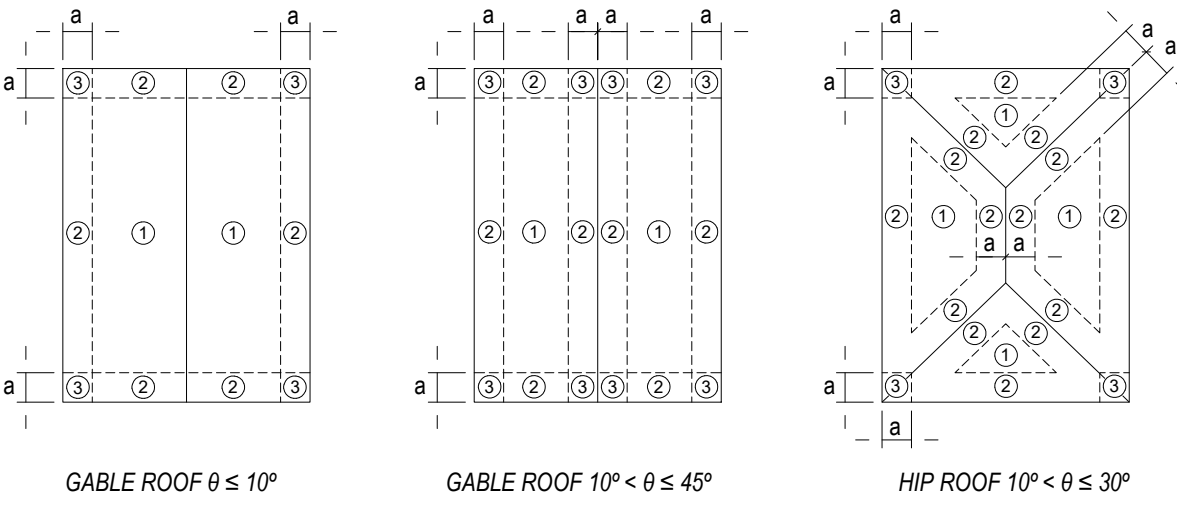
ROOF NOTES

- ROOF TRUSSES SHALL BE DESIGNED BY TRUSS MANUFACTURER. SHOP DRAWINGS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO PRODUCTION.
- TRUSS MANUFACTURER SHALL PROVIDE UPLIFT & REACTION VALUES FOR INDIVIDUAL TRUSSES, REFER TO THE TRUSS DRAWING FOR LAYOUT.
- ROOF SHEATHING SHALL CONSIST OF 1/2 A.P.A. RATED SHEATHING, 4-PLY CDX LAID PERPENDICULAR TO TRUSSES NAILED @ 6" O.C. ALONG BOUNDARY EDGES, 6" O.C. ALONG EDGES AND 10" O.C. INTERMEDIATE W/ 8' COMMONS.
- BRACE TRUSSES PER T.P. 1 H.1.B.-91, AS REVERSED.
- PROVIDE SIMPSON HETA20 W/16 10d X 1 1/2" FOR UPLIFT TO 1890 LBS. PROVIDE (2) SIMPSON HETA20 @ OPPOSITE SIDE OF GRIDER TRUSS, UNLESS OTHERWISE NOTE.
- ALL CHANGES OF THE TRUSS LAYOUT SHALL BE APPROVED BY THE ENGINEER.

COMPONENTS AND CLADDING

POSITIVE AND NEGATIVE PRESSURES PER TABLE R301.2(2) OF THE FLORIDA BUILDING CODE 6TH EDITION, 2017. RESIDENTIAL OVERHANG LOADS HAVE BEEN CALCULATED USING ASCE 7-10.

a= End Zone Width IN ALL CASES.



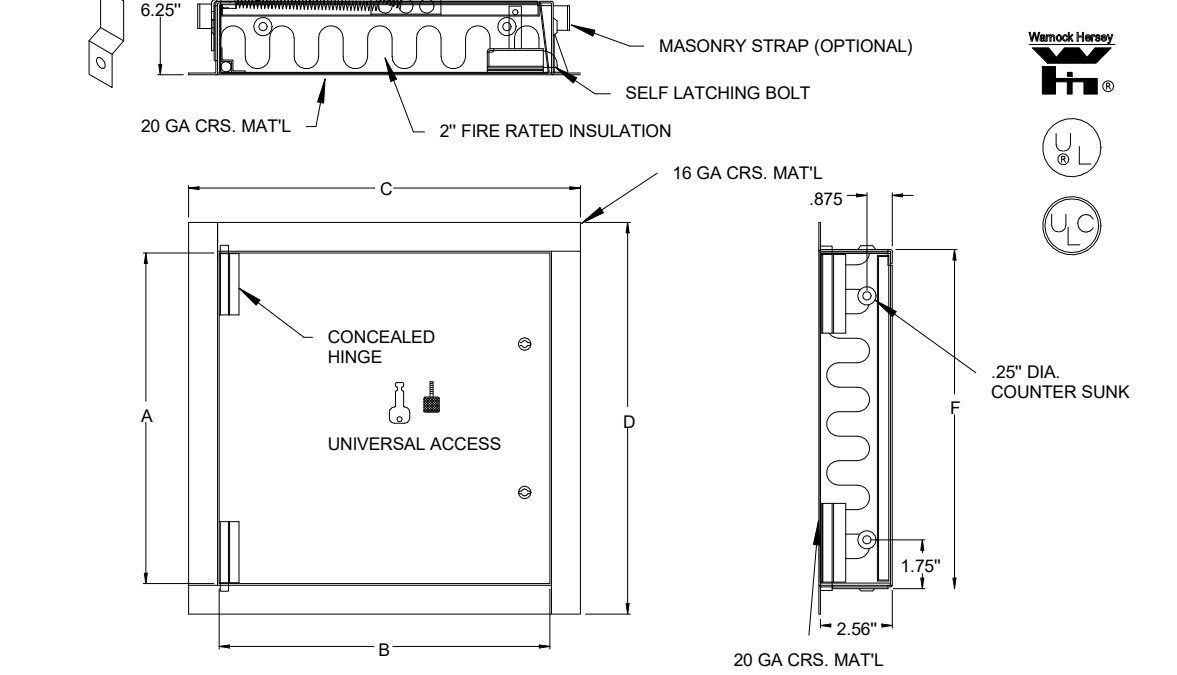
WINDOW AND DOOR DESIGN PRESSURES

VALUES SHOWN ADJACENT TO EACH OPENING ON THE PLANS INDICATE WIND PRESSURE ON THAT PARTICULAR OPENING PLUS AND MINUS SIGNS SIGNIFY PRESSURE ACTING TOWARD AND AWAY FROM SURFACES RESPECTIVELY.

ACUDOR FW-5050 FIRE RATED DOOR

QTY	NOMINAL SIZE	A	B	C	D	D	F	LOCK
22x30	(559 x 762)	29.78 (756)	21.78 (553)	24 (610)	32 (813)	22.12 (562)	30.12 (769)	2
22x36	(559 x 914)	35.78 (909)	21.78 (553)	24 (610)	38 (965)	22.12 (562)	36.12 (917)	2
24x36	(610 x 914)	35.78 (909)	23.78 (604)	26 (660)	38 (965)	24.12 (613)	38.12 (971)	2
24x48	(610 x 1219)	47.78 (1214)	23.78 (604)	26 (660)	50 (1270)	24.12 (613)	48.12 (1222)	2
30x30	(762 x 762)	29.78 (756)	29.78 (756)	32 (813)	32 (813)	30.12 (765)	30.12 (765)	2
36x48	(914 x 914)	35.78 (909)	35.78 (909)	38 (965)	38 (965)	36.12 (917)	36.12 (917)	2
36x48	(914 x 1220)	47.78 (1214)	35.78 (909)	38 (965)	50 (1270)	36.12 (917)	48.12 (1222)	2

WALLS AND CEILINGS
 DOOR CLOSING SPRING BRACKETS ARE SUPPLIED ON DOORS LARGER THAN 16" X 18" (FOR CEILING INSTALLATION ONLY).
 FOR WALLS THIS DOOR HAS A "UL" AND "ULC" 1 1/2 HOUR "B" LABEL, WITH A MAXIMUM TEMPERATURE OF 250 DEGREES AFTER 30 MINUTES.
 FOR FIRE RATED CEILINGS, THIS DOOR HAS BEEN APPROVED BY WARNOCK HERSEY INTERNATIONAL FOR 3 HOURS (MAX. SIZE 24' X 36').



STANDARD FEATURES: UNIVERSAL SELF-LATCHING BOLT, OPERATED BY KNURLED KNOB / FLUSH KEY, WITH INSIDE TURN RELEASE.
OPTIONS: CARBON STEEL, PRIME COAT BAKED ENAMEL FINISH.
LOCK TYPE: RIM CYLINDER LOCK, MATERIAL: STAINLESS STEEL, FINISH: #4 SATIN POLISH.
PREPARED FOR NOTICE CYLINDER LOCK: OTHER.
ALL FIRE RATED: MUST REMAIN CONSTANT TO COMPLY WITH UL AND ULC REGULATIONS.

JOB NAME: _____ APPROVED BY: _____
 CUSTOMER: _____ DATE: _____
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8" PRECAST U-INTELS STANDARD LENGTHS

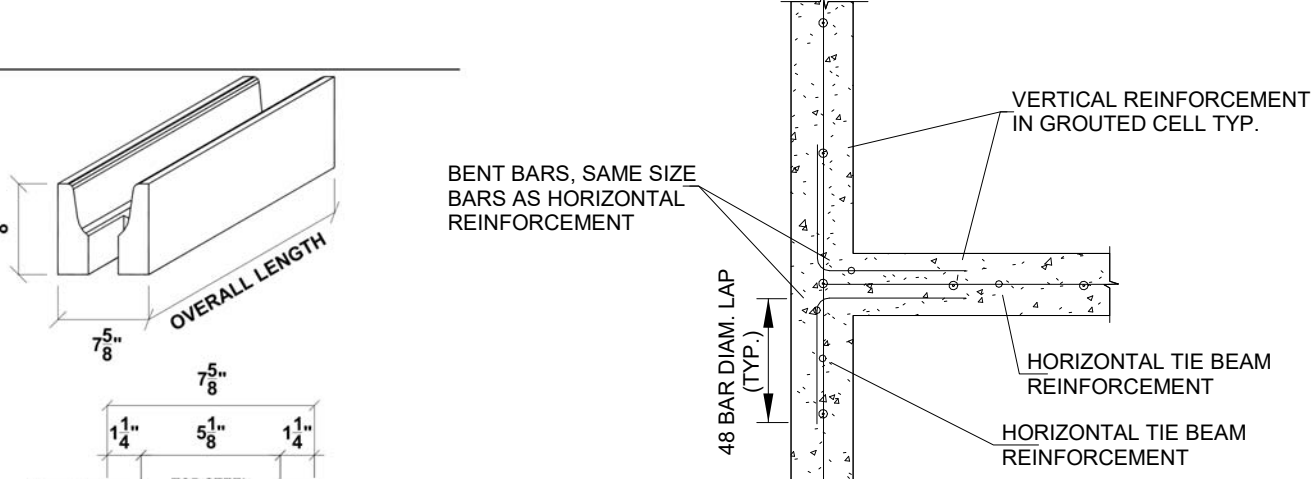
OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
3'-0" (36")	2-7/32" wire	2-#3 rebar
3'-4" (40")	2-7/32" wire	2-#3 rebar
3'-6" (42")	2-7/32" wire	2-#3 rebar
4'-0" (48")	2-7/32" wire	2-#3 rebar
4'-6" (54")	2-7/32" wire	2-#3 rebar
4'-8" (56")	2-7/32" wire	2-#3 rebar
5'-4" (64")	2-7/32" wire	2-#3 rebar
5'-10" (70")	2-7/32" wire	2-#3 rebar
6'-0" (72")	2-7/32" wire	2-#4 rebar
6'-6" (78")	2-7/32" wire	2-#4 rebar
6'-8" (80")	2-7/32" wire	2-#4 rebar
7'-4" (88")	2-7/32" wire	2-#4 rebar
7'-6" (90")	2-7/32" wire	2-#4 rebar
8'-0" (96")	2-#3 rebar	2-#4 rebar
8'-8" (104")	2-#3 rebar	2-#4 rebar
9'-4" (112")	2-#3 rebar	2-#4 rebar
10'-0" (120")	2-#3 rebar	2-#4 rebar
10'-6" (126")	2-#3 rebar	2-#4 rebar
10'-8" (128")	2-#3 rebar	2-#5 rebar
11'-4" (136")	2-#3 rebar	2-#5 rebar
12'-0" (144")	2-#3 rebar	2-#5 rebar
13'-4" (160")	2-#3 rebar	2-#5 rebar
14'-0" (168")	2-#3 rebar	2-#5 rebar

8" PRESTRESSED U-INTELS STANDARD LENGTHS

OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
14'-8" (176")	NONE	2-7/16 strand
15'-4" (184")	NONE	2-7/16 strand
17'-4" (208")	NONE	2-7/16 strand
19'-4" (232")	2-7/32" wire	2-7/16 strand
21'-4" (256")	2-7/32" wire	2-7/16 strand
22'-0" (264")	2-7/32" wire	2-#4 rebar
24'-0" (288")	2-7/32" wire	2-#4 rebar

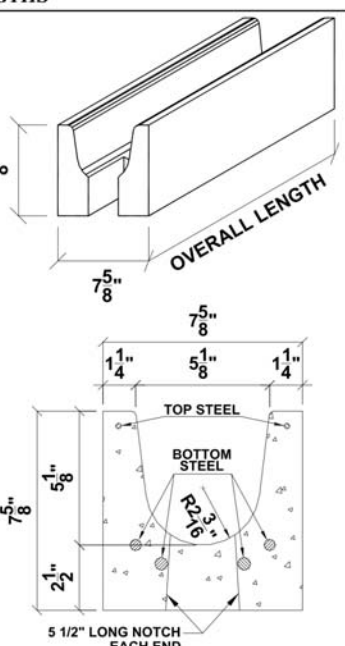
Rebar: ASTM A615 Grade 60
 Wire: ASTM A510
 Strand: ASTM A416 Grade 270
 Concrete Strength: 6000 psi
 Synthetic Fibers: 2.5 lbs/yd
 Average Self Weight: 37 plf
 Finish: Grey Smooth Form

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TYP. TIE BEAM INTERSECTION BENT AND LAP BAR DETAIL
 N.T.S.

Rebar: ASTM A615 Grade 60
 Wire: ASTM A510
 Concrete Strength: 3500 psi
 Average Self Weight: 33 plf
 Finish: Grey Block



CLG. TYPE 1/2" EXTERIOR GYP. SHEATHING (TO BE IN COMPLIANCE W/ R1604.9-FBC 2017)

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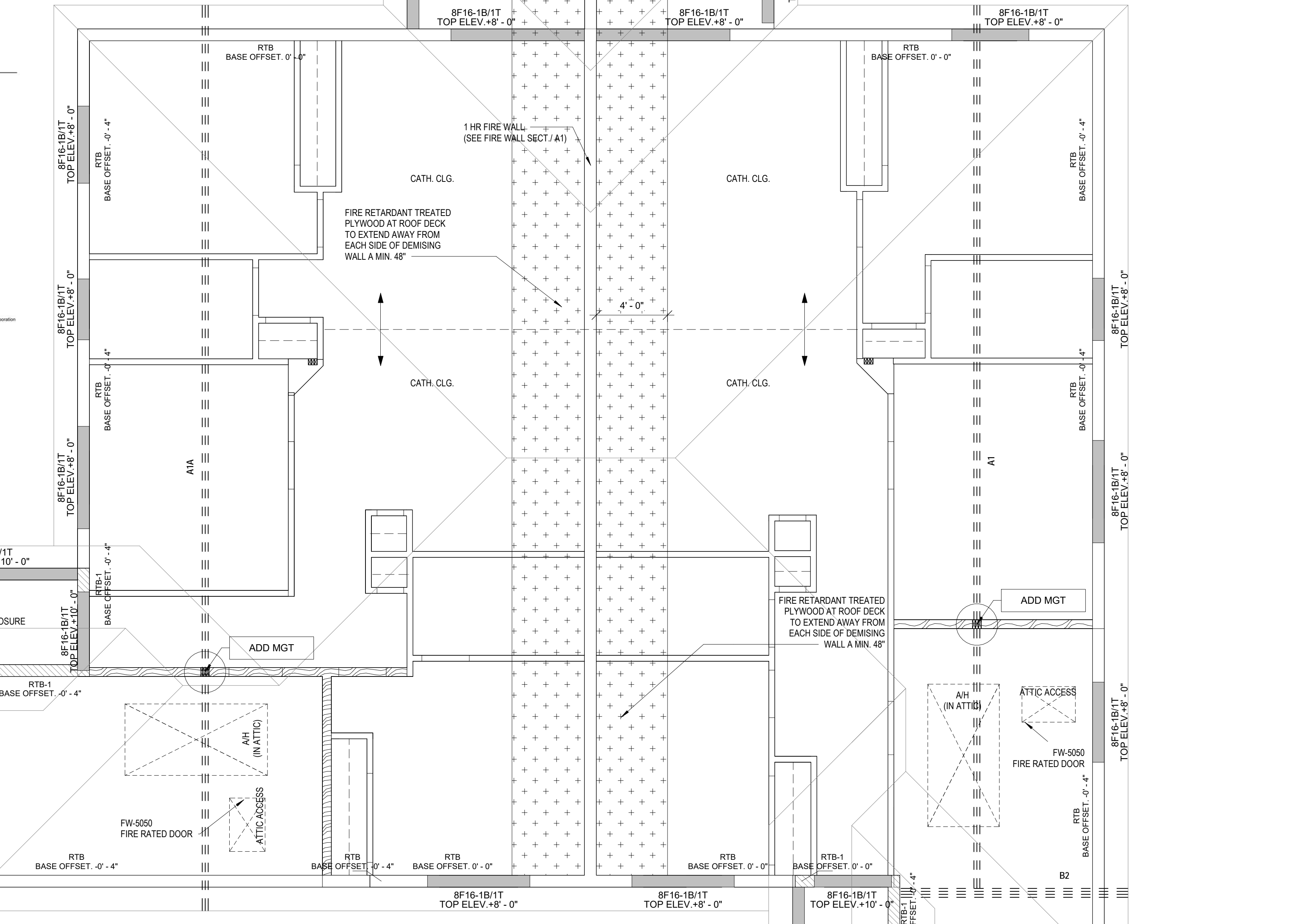
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TYP. TIE BEAM CORNER BENT AND LAP BAR DETAIL
 N.T.S.



ROOF PLAN
 1/4" = 1'-0"



DETAIL FOR RAISED BEAM
 N.T.S.

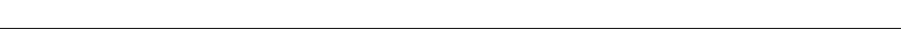
ELEVATION SCHEDULE

MARK	DESCRIPTION	TOP CONSTRAIN	BASE OFFSET
RTB	(2)8"X 8" BOND BEAM W/(1)#5 TOP & BOTT.	Up to level: TOP OF BOND BEAM	-0' - 4"
RTB	(2)8"X 8" BOND BEAM W/(1)#5 TOP & BOTT.	Up to level: TOP OF BOND BEAM	0' - 0"
RTB-1	(2)8"X 8" BOND BEAM W/(1)#5 TOP & BOTT.	Up to level: TOP OF ENTRY BEAM	-0' - 4"
RTB-1	(2)8"X 8" BOND BEAM W/(1)#5 TOP & BOTT.	Up to level: TOP OF ENTRY BEAM	0' - 0"

PRECAST-LINTEL SCHEDULE

DESCRIPTION	ELEVATION AT TOP	COUNT
8F16-1B/1T	8' - 0"	17
8F16-1B/1T	10' - 0"	8

LINTEL & BOND BEAM LEGEND



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 5621 STRAND BLVD, SUITE 308
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 239 306-2324
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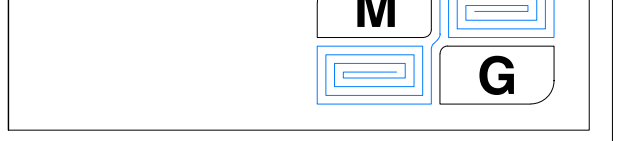
REVISIONS

No.	Description	Date

APPLICABLE CODES
 -6TH EDITION (2017) FLORIDA BUILDING CODE
 -6TH EDITION (2017) FLORIDA EXISTING CODE
 -2014 STANDARD NATIONAL ELECTRICAL CODE

DIGITAL SEAL

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 Naples, FL 34117
 Phone: (239) 595 5465
 maxguerra@mg-engineering.us



J & A INVESTMENTS
 402/404 BELL BLVD. S. - 10408667

ROOF/BEAMS PLAN

Project Number	
Date	12/20
Drawn by	JG
Notes	DS

Scale **A4** As indicated

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ELECTRICAL PLAN

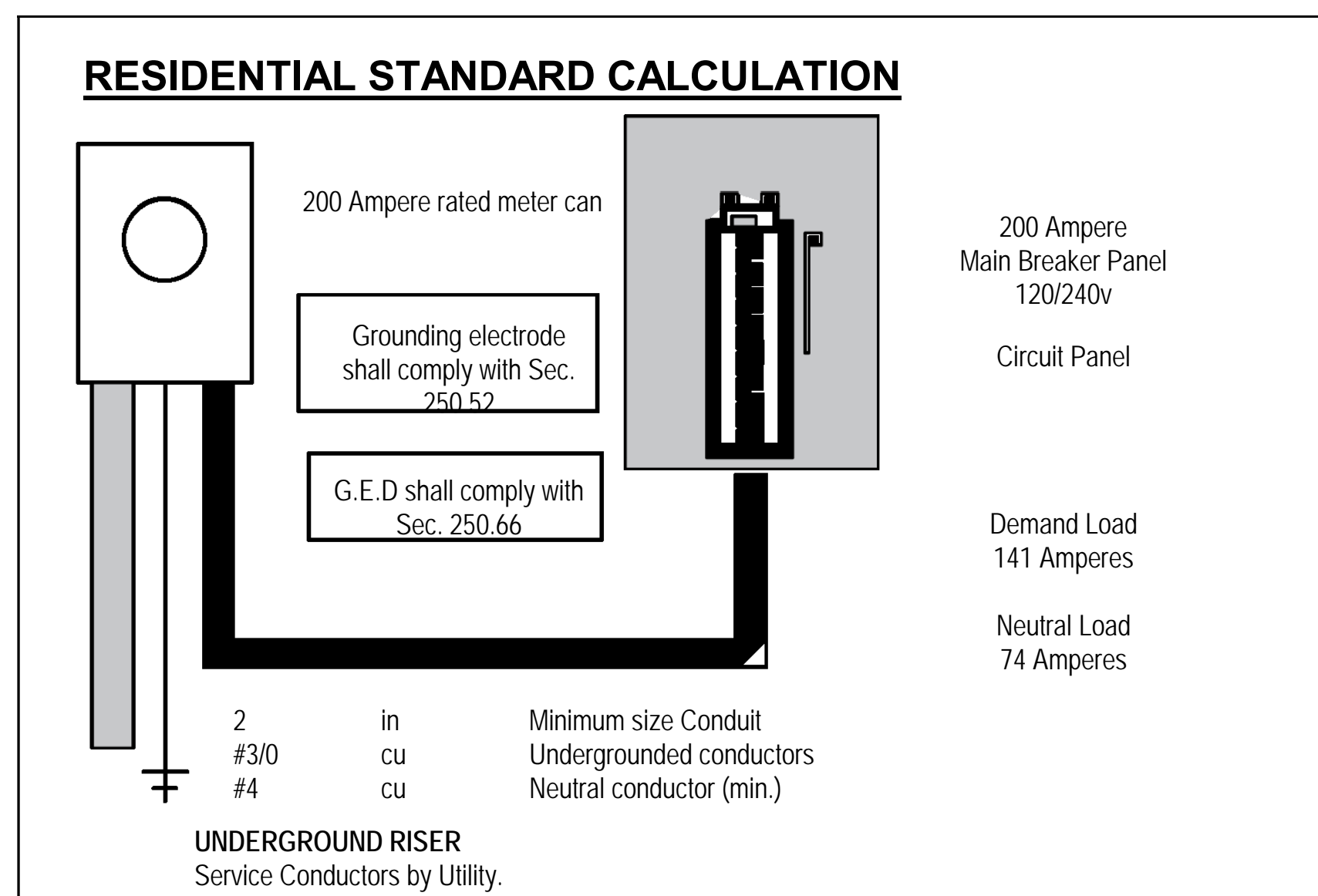
Project Number	
Date	12/20
Drawn by	JG
Notes	DS

A5

Scale As indicated

ELECTRICAL LEGEND:

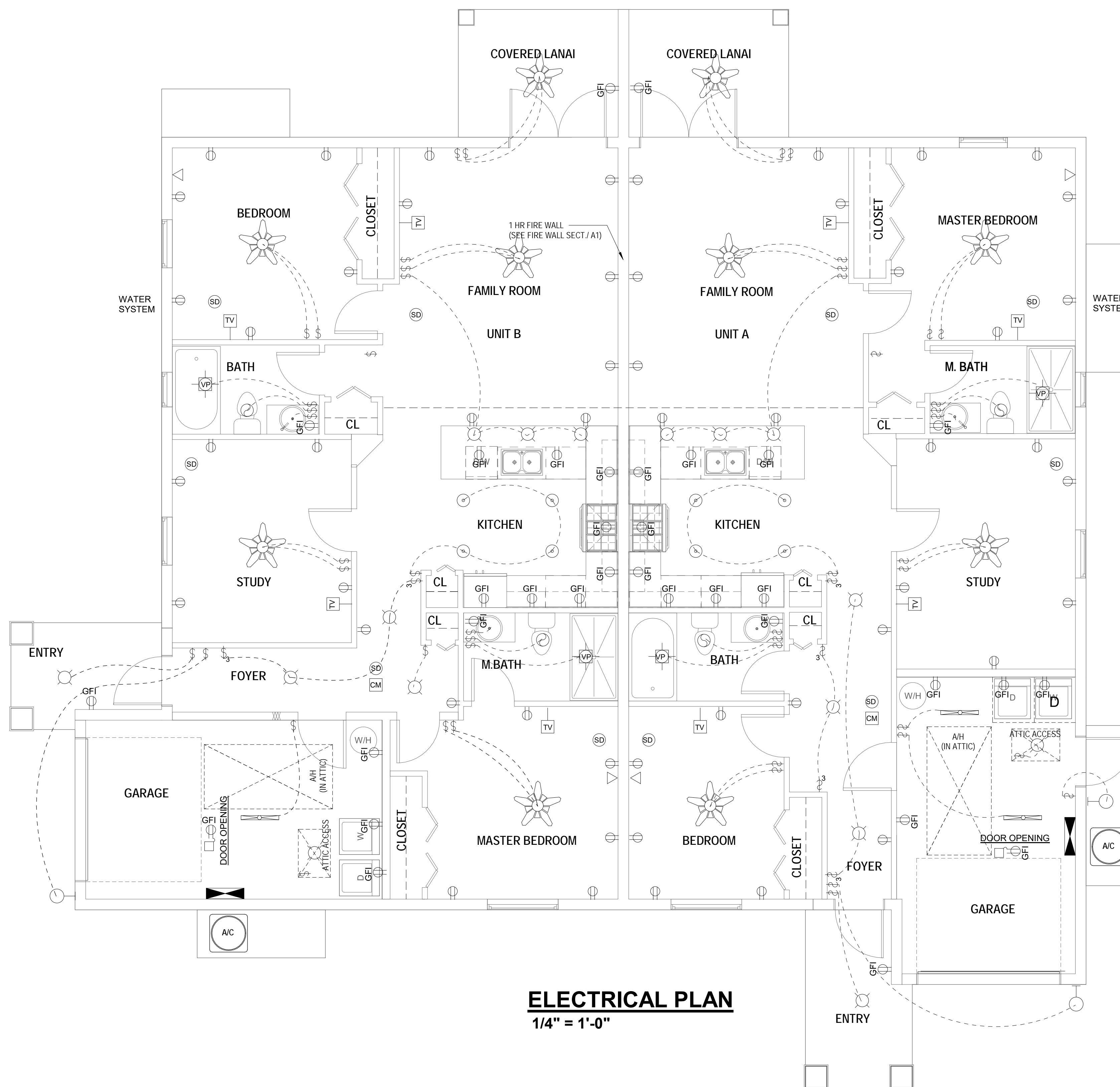
	SINGLE SWITCH
	3 WAY SWITCH
	DUPLEX RECEPTABLE
	GFI RECEPTABLE
	RECESSED LIGHT
	EXHAUST FAN
	SMOKE DETECTOR
	TELEPHONE JAX
	TV / CABLE
	CEILING LIGHT FIXTURE
	WALL MOUNT LIGHT FIXTURE
	WALL BRACKET LIGHT
	VAPOR PROOF RECESSED LIGHT FIXTURE
	EXTERIOR FLOOD LIGHT
	CEILING FAN W/ LIGHT
	CEILING FAN
	PANEL BOX
	FLUORESCENT LIGHT
	CARBON MONOXIDE ALARM WITHIN 10' OF EACH BEDROOM



NOTE:

ALL BRANCH CIRCUITS THAT SUPPLY 125 V, SINGLE PHASE, 15 & 20 AMPERE RECEPTACLE OUTLET SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S) IN DWELLING UNIT ALL LIVING AREA.

2014 N.E.C/6TH EDITION F.B.C 2017



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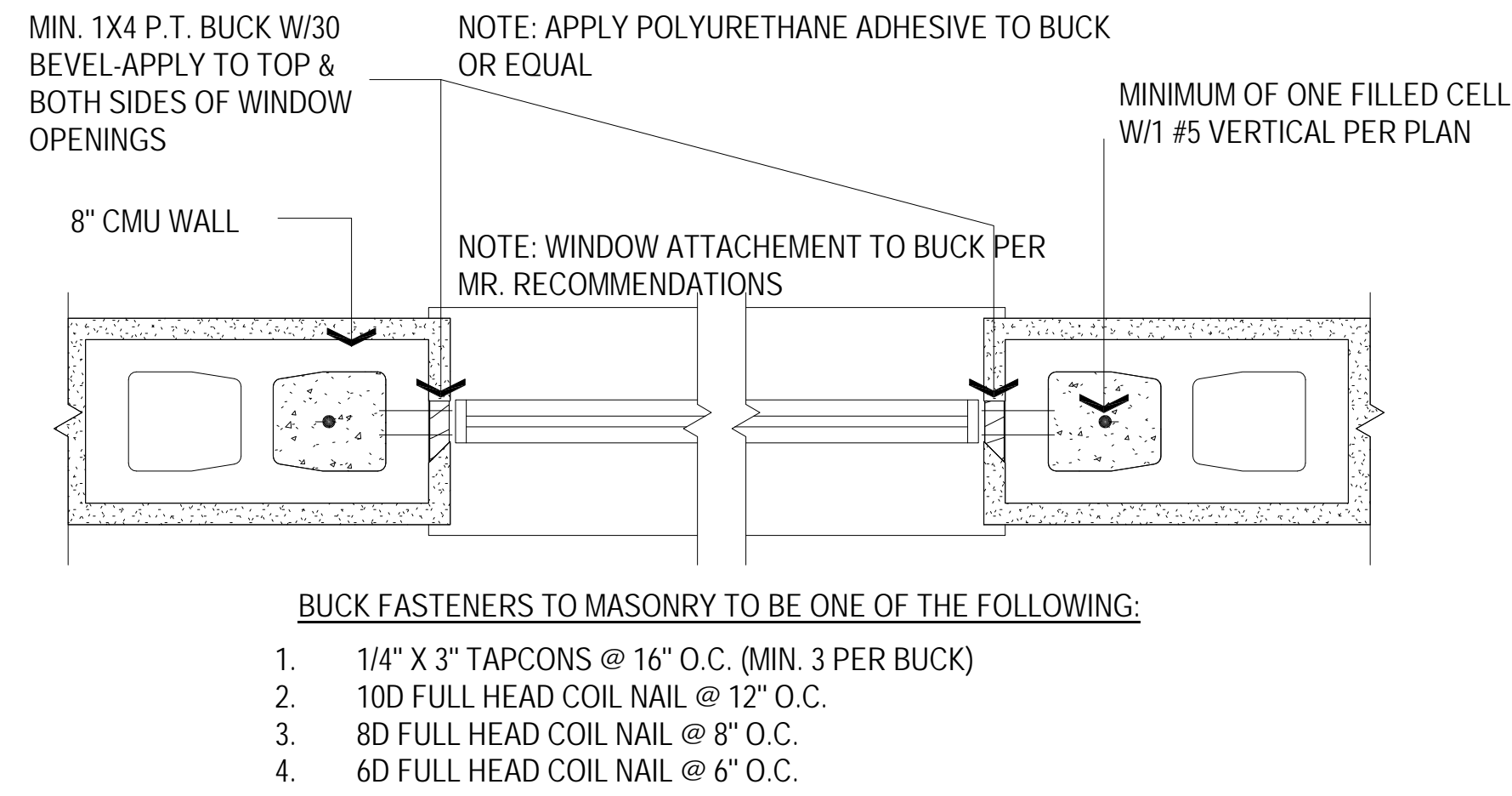
GENERAL STRUCTURAL NOTES:

- FOUNDATIONS:**
SOIL STATEMENT- VISUAL INSPECTION OF THE SITE SHOWS A SOIL OF LIMESTONE WITH SANDY POCKETS AND WITH A LAYER OF TOPSOIL. THIS LIMESTONE HAS A SAFE BEARING CAPACITY IN EXCESS OF 2,000 psf. AT THE TIME OF CONSTRUCTION A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER SHALL SUBMIT TO THE BUILDING OFFICIAL A LETTER ATTESTING THAT THE SITE HAS BEEN OBSERVED AND THE FOUNDATIONS ARE SIMILAR TO THOSE UPON WHICH THE DESIGN IS BASED.
- CONCRETE:**
ALL CONCRETE TO ATTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS. AGGREGATES TO BE CLEAN AND WELL GRADED, MAXIMUM SIZE 1". CONCRETE SLUMP: 3" MIN. TO 5" MAX. VERTICAL CONCRETE DROP NOT TO EXCEED 8".
- CONCRETE COVER:**
TO BE AS FOLLOWS:
FOOTINGS 3"
BEAMS 1.5" TO STIRRUP
COLUMNS 1.5" TO TIES
SLABS NOT EXPOSED TO THE WEATHER 0.75"
SLABS EXPOSED TO THE WEATHER 1.5"
- REINFORCING STEEL:**
TO BE NEW HIGH STRENGTH BILLET STEEL DEFORMED AS PER ASTM A-305, AND CONFORMING TO ASTM A-615, GRADE 60. LAP CONTINUOUS BARS 30-BAR DIAMETERS, UNLESS OTHERWISE NOTED IN PLANS. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS. REINFORCING STEEL TO BE DETAILED AND FABRICATED IN ACCORDANCE WITH "MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCING CONCRETE STRUCTURES", AND THE ACI BUILDING CODE 318, LATEST EDITION. SUBMIT SHOP DRAWINGS FOR APPROVAL BY ENGINEER BEFORE FABRICATION.
- MASONRY:**
REINFORCED MASONRY DESIGN & CONSTRUCTION SHALL COMPLY W/ ACI 530-02/ASCE 5-02/TMS 402-02 & ACI 5301-.02/ASCE 6-02/TMS 602-02.
A. ALL CONCRETE BLOCK TO BE GRADE N-2, CONFORMING TO ASTM C- 90, WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 1,900 PSI, AND A PRISM STRENGTH OF 1,500 PSI (MINIMUM), MORTAR SHALL BE TYPE M, WITH A MINIMUM STRENGTH OF 2,500 PSI (USE PORTLAND TYPE CEMENT).
B. MASONRY WALLS SHALL BE REINFORCED HORIZONTALLY EVERY OTHER COURSE WITH 9 GAUGE DEFORMED GALVANIZED STEEL LADDER.
C. FOR VERTICAL REINFORCEMENT, SEE PLAN AND LAP 48 BAR DIAMETERS MINIMUM. PROVIDE FULL BED OF MORTAR FOR REINFORCED MASONRY.
D. GROUTING OF CELLS SHALL BE A CONTINUOUS OPERATION IN LIFTS NOT EXCEEDING 4'-0" AND A MAXIMUM POUR OF 12'-0" IN HEIGHT. GROUTING TO BE CONSOLIDATED BETWEEN LIFTS BY PUDDLING, RODDING OR MECHANICAL VIBRATION. PROVIDE CLEANOUTS, AND CLEAN OUT CELLS OF MORTAR DROPPINGS.
E. GROUT SHALL BE A PLASTIC MIX HAVING A MAXIMUM SLUMP OF 8" TO 10", PLACED BEFORE ANY INTIAL SET HAS OCCURRED, BUT IN NO CASE MORE THAN 1-1/2 HOURS AFTER THE MIX-DESIGN WATER HAS BEEN ADDED, GROUT TO ATTAIN A MINIMUM 3,000 PSI COMPRESSIVE STRENGTH.
- PRE-FABRICATED WOOD TRUSSES:**
SHALL BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE (T.P.I), LATEST EDITION. TRUSSES TO BE ERECTED FOLLOWING THE GUIDELINES OF THE T.P.I PUBLICATION BWT-76. SUBMIT SHOP DRAWINGS W/ LAYOUT PLAN AND INDIVIDUAL DRAWINGS FOR EACH DIFFERENT TRUSS, SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER, FOR APPROVAL BY STRUCTURAL ENGINEER PRIOR TO FABRICATION.

GENERAL CONTRACTOR TO PROVIDE PERMANENT LATERAL BRACING OF THE BOTTOM CHORD AND THE WEB MEMBERS IN ACCORDANCE WITH THE RECOMMENDATIONS OF T.P.I BWT-76 AND THE REQUIREMENTS OF THE INDIVIDUAL TRUSS DESIGNS. SUBMIT PERMANENT BRACING PLAN FOR APPROVAL BY ENGINEER PRIOR TO ERECTION. GRIDER TRUSSES TO BE BOLTED TOGETHER WITH 1/2" DIA. BOLTS AT 24" C/C AT TOP CHORD, BOTTOM CHORD, AND WEB MEMBERS. CONTRACTOR TO SUBMIT SIGNED AND SEALED SHOP DRAWINGS BY A DELEGATED SPECIALTY ENGINEER FOR ALL TRUSS TO TRUSS CONNECTIONS. TRUSS MANUFACTURER TO VERIFY UPLIFT AND GRAVITY TRUSS REACTIONS SHOWN ON FRAMING PLANS.
SUPERIMPOSED LOADS SHALL BE AS FOLLOWS:
ROOF: DEAD LOAD= 20 PSF (TOP CHORD)
10 PSF (BOT. CHORD)
LIVE LOAD= 20 PSF (TOP CHORD)
- WIND DESIGN CRITERIA:**
ALL STRUCTURAL ELEMENTS, EXPOSED TO WIND, HAVE BEEN DESIGNED PER THE GUIDELINES OF THE HVHZ-FBC 6TH EDITION 2017, ASCE 7-10: RISK CATEGORY II, ENCLOSE BUILDING, 160 MPH WIND SPEED, EXPOSURE B. SEE CALCULATIONS FOR ADDITIONAL INFORMATION.
- GENERAL:**
THE BUILDING WAS DESIGNED ACCORDING TO THE FLORIDA BUILDING CODE 6TH EDITION 2017. STRUCTURAL DRAWINGS SHALL BE WORKED TOGETHER WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS TO LOCATE DEPRESSED SLABS, SLOPES, OPENINGS AND DIMENSIONS, ETC. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE STARTING WORK. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING AND RE-SHORING REQUIRED.

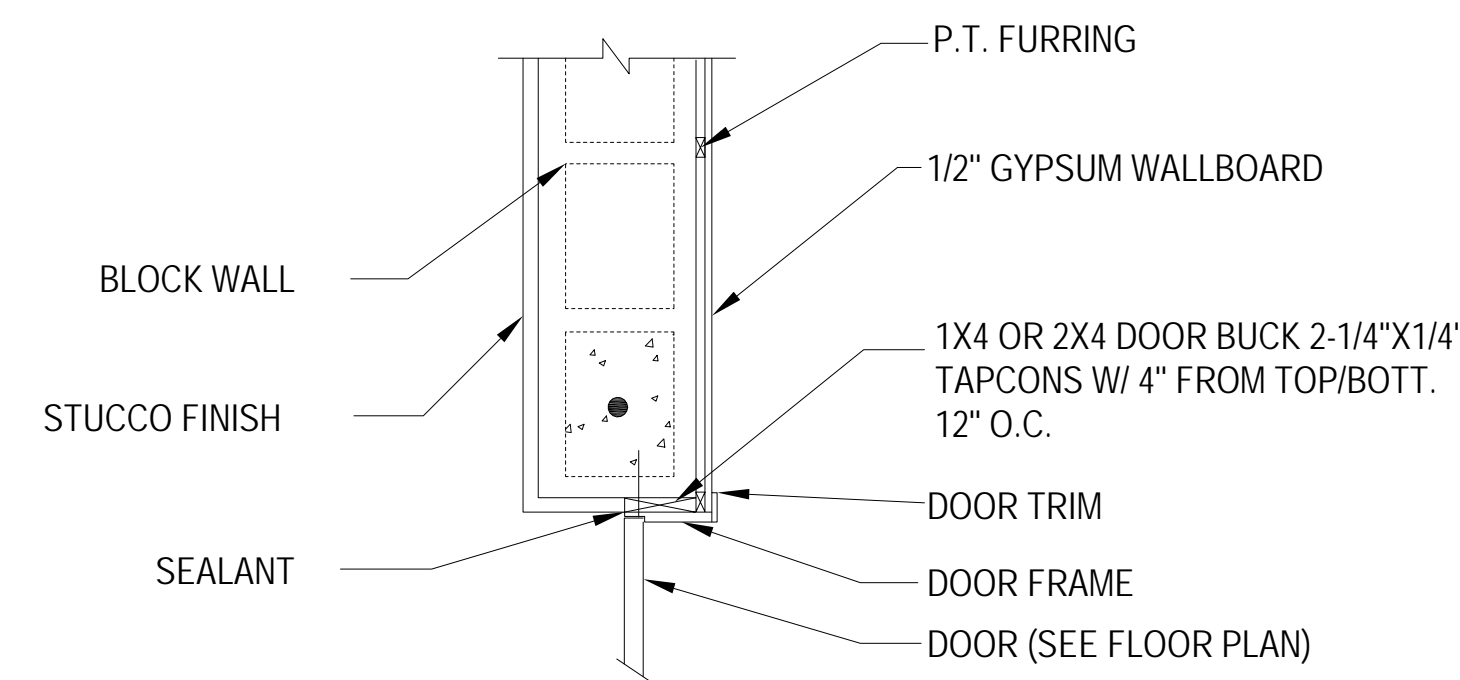
NOTES:

- FOR WINDOW AND DOOR ATTACHMENT TO MASONRY USE BUCK IN BED OF LIQUID NAIL TO MASONRY SIDE AND TOP OF OPENING WITH (1) 3/4" X .097" POWER DRIVEN T-NAIL OR 3/16" X 2-1/4" TAPCONS. START AT 4" THEN 8" ON CENTER. ATTACH WINDOW IN ACCORDANCE WITH WINDOW MANUFACTURER'S SPECIFICATIONS.
- FOR WINDOW ATTACHMENT TO FRAME USE MINIMUM (4) 8D NAILS PER EDGE, THEN 12" ON CENTER MAXIMUM.
- FOR DOOR ATTACHMENT TO FRAME USE No.8 x 3" STEEL SCREWS. (2) AT HEADER, (3) AT LOCK SIDE AND (2) MINIMUM EACH HINGE.
- CONTRACTOR AND OR SUB-CONTRACTOR TO REVIEW THE TRUSS PLACEMENT PLAN TO COORDINATE.



WINDOW INSTALLATION DETAIL

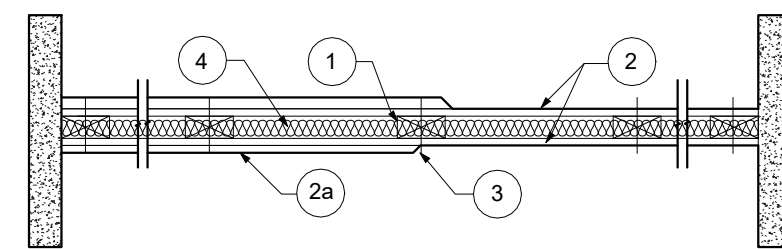
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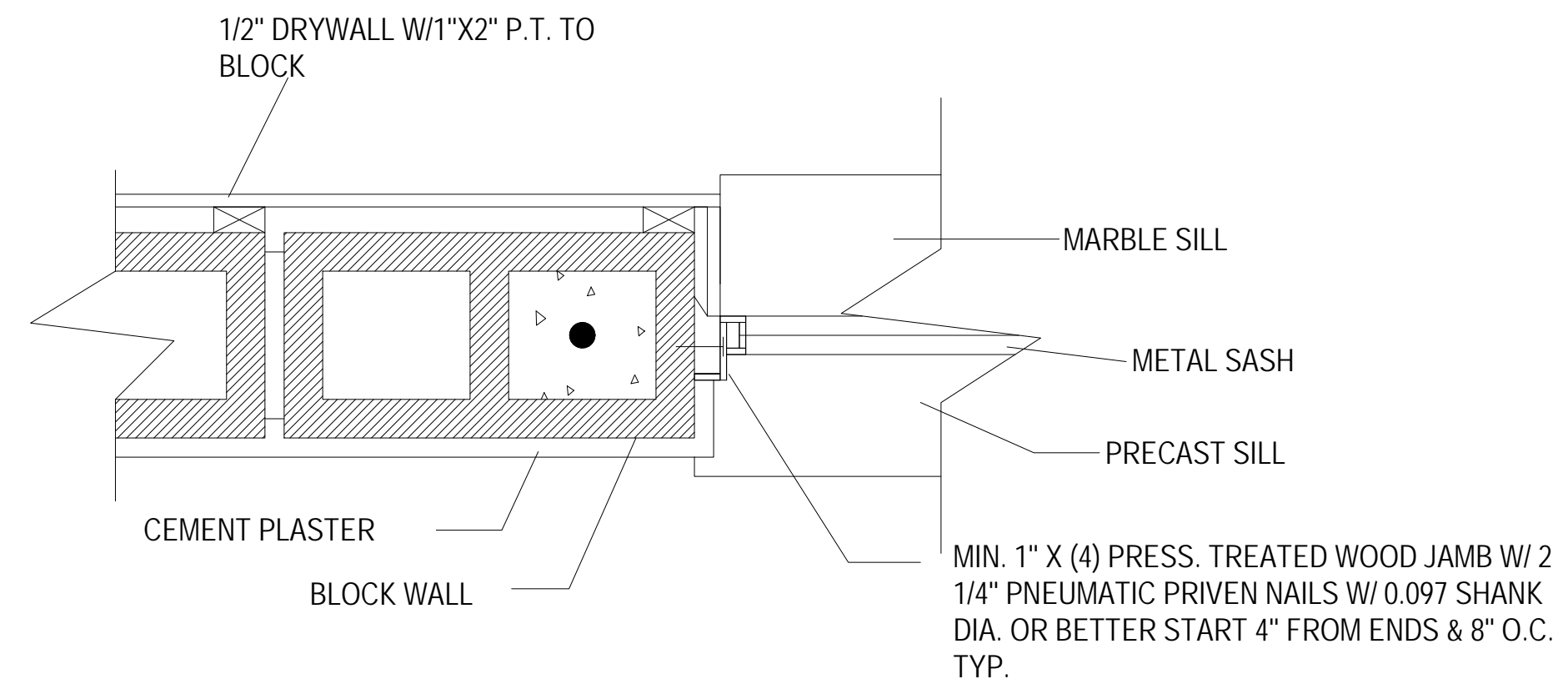
TYPICAL EXTERIOR DOOR DETAIL

SCALE: N.T.S.

DESIGN NO. U338 (OCTOBER 02, 2019)
NONBEARING OR BEARING WALL RATING — 1 HR (SEE ITEMS 2 AND 2A)
FINISH RATING — ONE LAYER OF WALLBOARD — MIN. 20 MIN.
TWO LAYERS OF WALLBOARD — MIN. 59 MIN
THIS DESIGN WAS EVALUATED USING A LOAD DESIGN METHOD OTHER THAN THE LIMIT STATES DESIGN METHOD (E.G., WORKING STRESS DESIGN METHOD). FOR JURISDICTIONS EMPLOYING THE LIMIT STATES DESIGN METHOD, SUCH AS CANADA, A LOAD RESTRICTION FACTOR SHALL BE USED — SEE GUIDE BXUV OR BXUV7 * INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

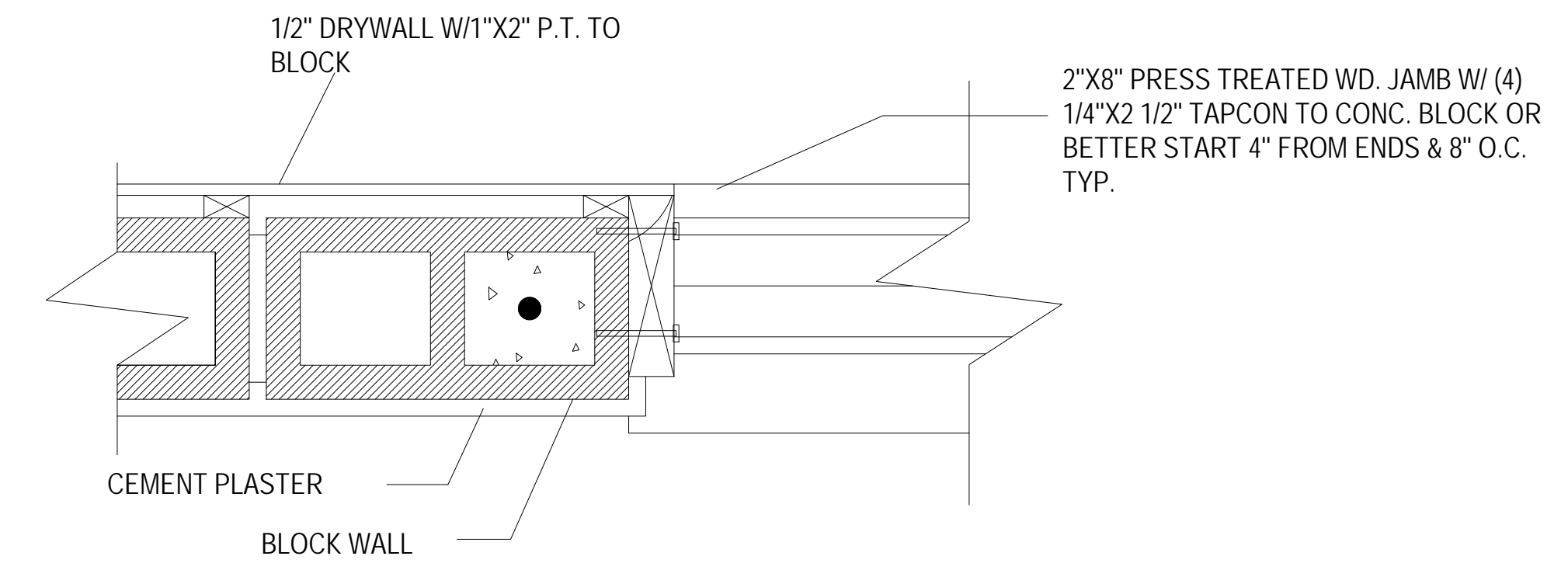


HORIZONTAL SECTION



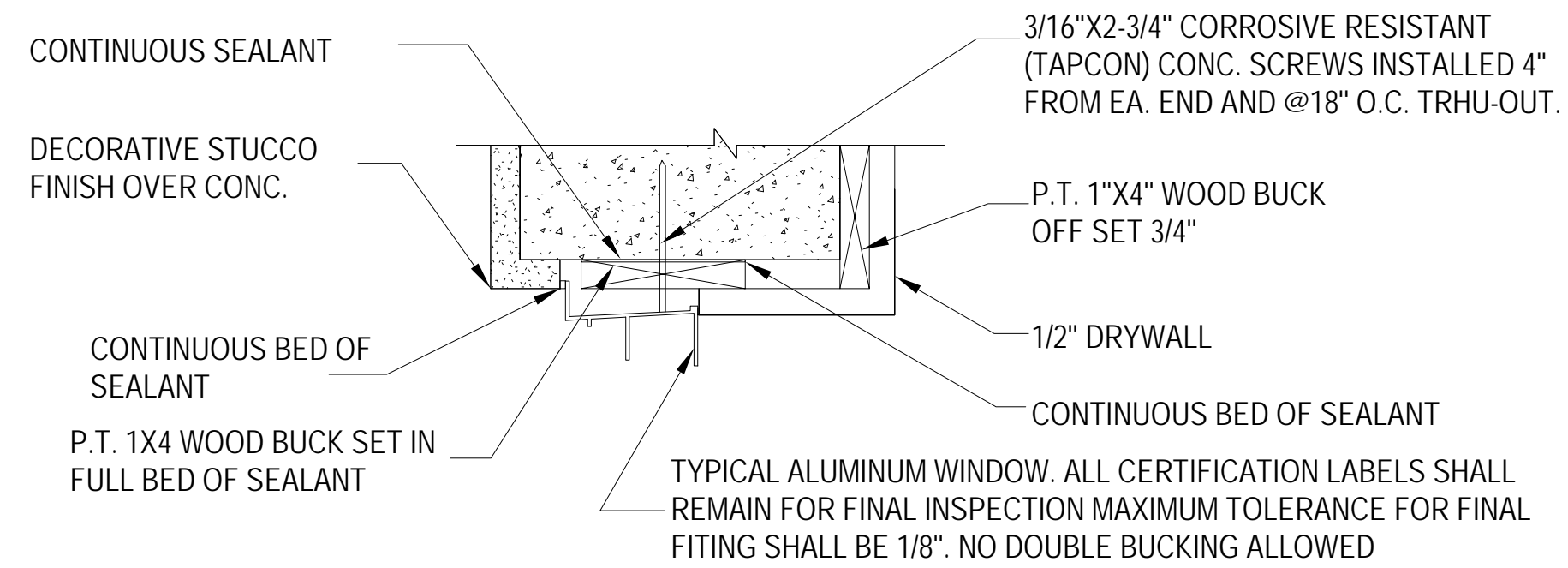
DOOR AND WINDOW JAMB DETAIL

SCALE: N.T.S.



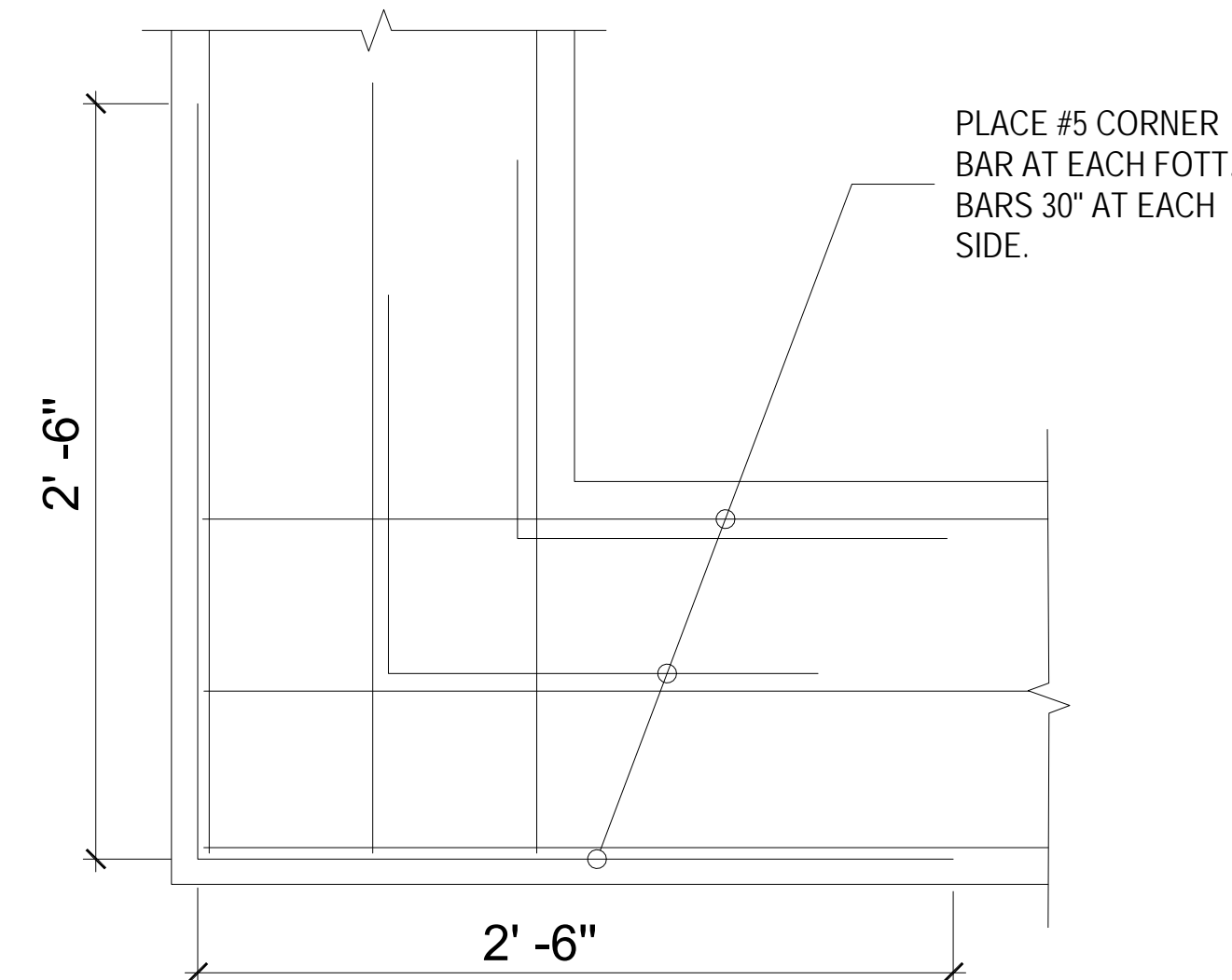
SL. GR. DR. JAMB TO BLK DETAIL

SCALE: N.T.S.



WINDOW HEAD AND JAMB DETAIL

SCALE: N.T.S.



TYP. FOOTING CORNER BAR DETAIL

SCALE: N.T.S.

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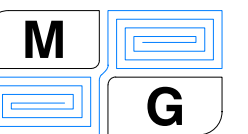
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DETAILS

Project Number	
Date	12/20
Drawn by	JG
Notes	DS

A6

Scale As indicated