

DOOR SCHEDULE							
ZONE	SYMBOL	DOOR SIZE	TYPE	REMARK	MAXIMUM POSITIVE PRESSURE (PSF)	MAXIMUM NEGATIVE PRESSURE (PSF)	REMARK
ZONE 4	①	6'-0" X 8'-0"	ENTRY	EXT.	30.5	-33.4	IMPACT
ZONE 5	②	16'-0" X 8'-0"	GARAGE	EXT.	28.3	-34.2	IMPACT
ZONE 5	③	9'-0" X 8'-0"	GARAGE	EXT.	29.6	-36.7	IMPACT
ZONE 5	④	2'-8" X 8'-0"	FRENCH	EXT.	32.3	-42.1	IMPACT
ZONE 4	⑤	6'-0" X 8'-0"	FRENCH	EXT.	30.5	-33.4	IMPACT

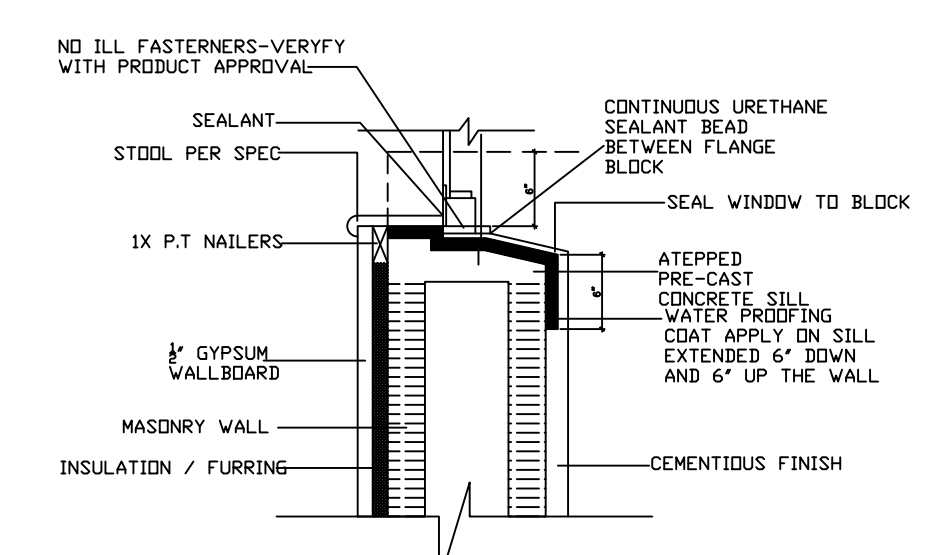
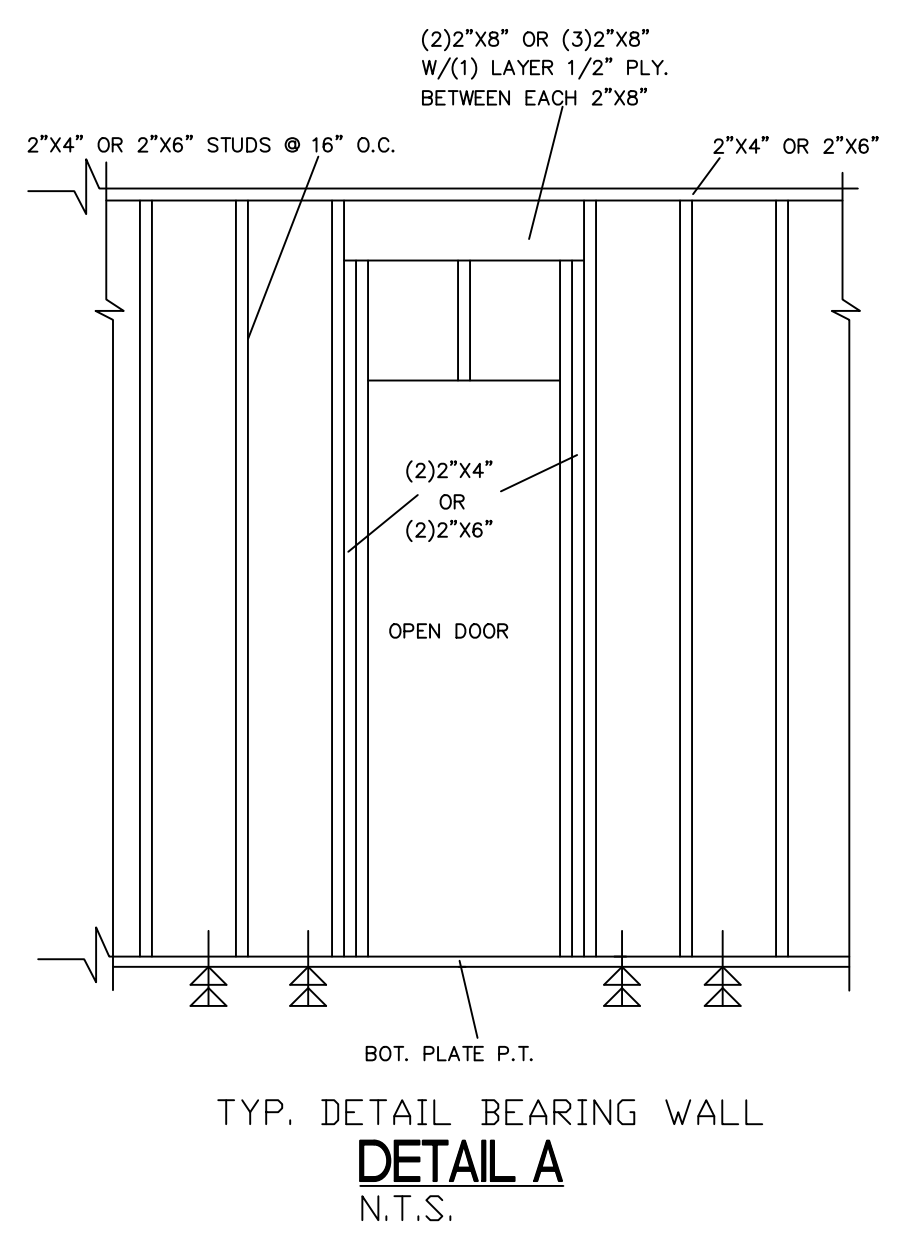
WINDOW SCHEDULE						
ZONE	SYMBOL/ CODE	WINDOW SIZE	TYPE	REMARK	MAXIMUM POSITIVE PRESSURE (PSF)	MAXIMUM NEGATIVE PRESSURE (PSF)
ZONE 5	①	24' X 62'	FIXED		33.9	-45.3
ZONE 5	②	60' X 60'	FIXED		31.8	-41.1
ZONE 5	③	60' X 24'	FIXED		33.9	-45.4
ZONE 4	④	72' X 24'	FIXED		33.5	-36.3
ZONE 4	⑤	36' X 96'	FIXED		32.0	-34.9
ZONE 4	⑥	60' X 60'	HDR. ROLLER		32.0	-34.9
ZONE 4	⑦	36' X 36'	FIXED		32.0	-34.9

SOFFITS				
ZONE	EFFECTIVE WIND AREA	TYPE	MAXIMUM POSITIVE PRESSURE (PSF)	MAXIMUM NEGATIVE PRESSURE (PSF)
ZONE 5	10.00 SqFt	ALUM. SOFFITS	31.2	-41.8

AREA SUMMARY	
TOTAL A/C LIVING AREA:	2659.00 SQ FT
ENTRANCE:	202.00 SQ FT
GARAGE:	665.00 SQ FT
LANAI:	396.00 SQ FT
TOTAL UNDER ROOF:	3922.00 SQ FT

JOB DATA	
ULTIMATE DESIGN WIND SPEED :	170
NOMINAL DESIGN WIND SPEED :	132
RISK CATEGORY :	2
IMPORTANCE FACTOR :	1.0
BUILDING OCCUPANCY CLASSIFICATION :	RESIDENTIAL
BUILDING CONSTRUCTION TYPE :	5B
EXPOSURE CATEGORY :	C
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 7TH EDITION FLORIDA BUILDING CODE, WIND LOAD COMPLIANCE AND ITS RESISTANCE TO GRAVITY AND DESIGN PRESSURES GENERATED BY A WIND VELOCITY OF 170 MPH	

WIND VELOCITY (MPH)	170
IMPORTANCE FACTOR	1.00
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT	( +, - ) 0.18
MEAN ROOF HEIGHT (FT)	10'-0"
BUILDING WIDTH (FT)	66'-0"
BUILDING LENGTH (FT)	69'-2"
ROOF SLOPE	6:12
ENCLOSED STRUCTURE	



SH WINDOW SILL - CMU  
NTS

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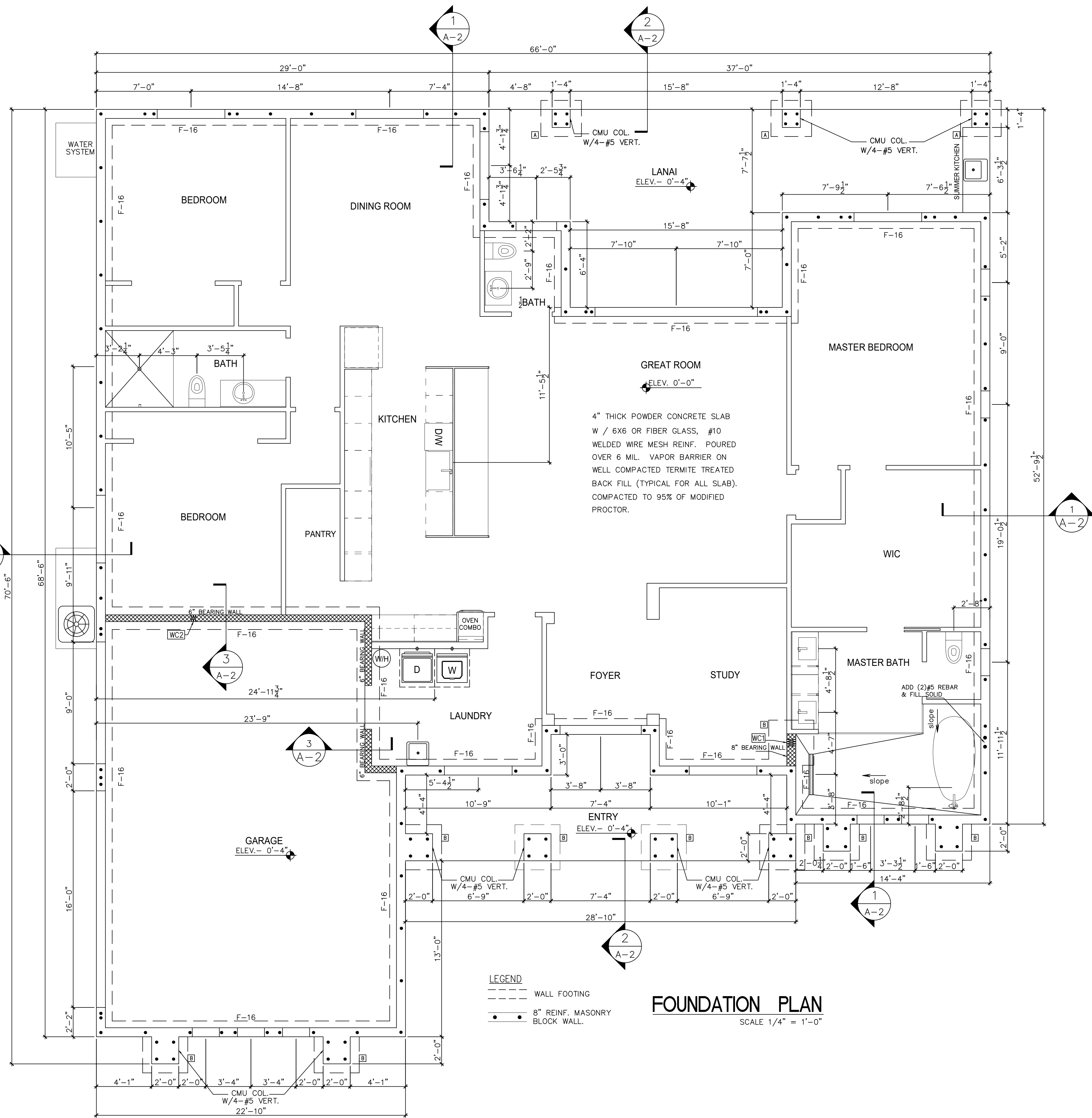
PROPOSED FOR: OSCAR BETANCOURT  
XXXX EVERGLADES BLVD N, NAPLES, FL 34120  
SHEET TITLE: FLOOR PLAN

DATE  
03-3-2023  
JOB NUMBER  
DRAWN BY:  
L.M.  
SHEET No.  
**A-1**  
SEAL

**JCA ENGINEERS LLC**  
STRUCTURAL CONSULTANTS  
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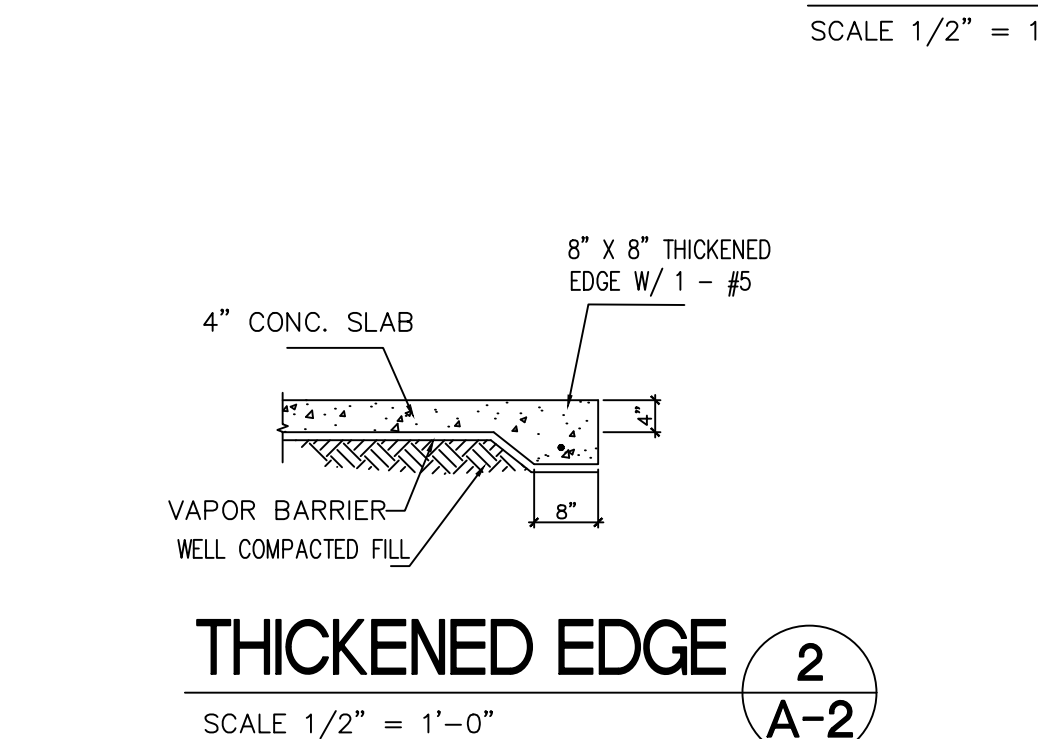
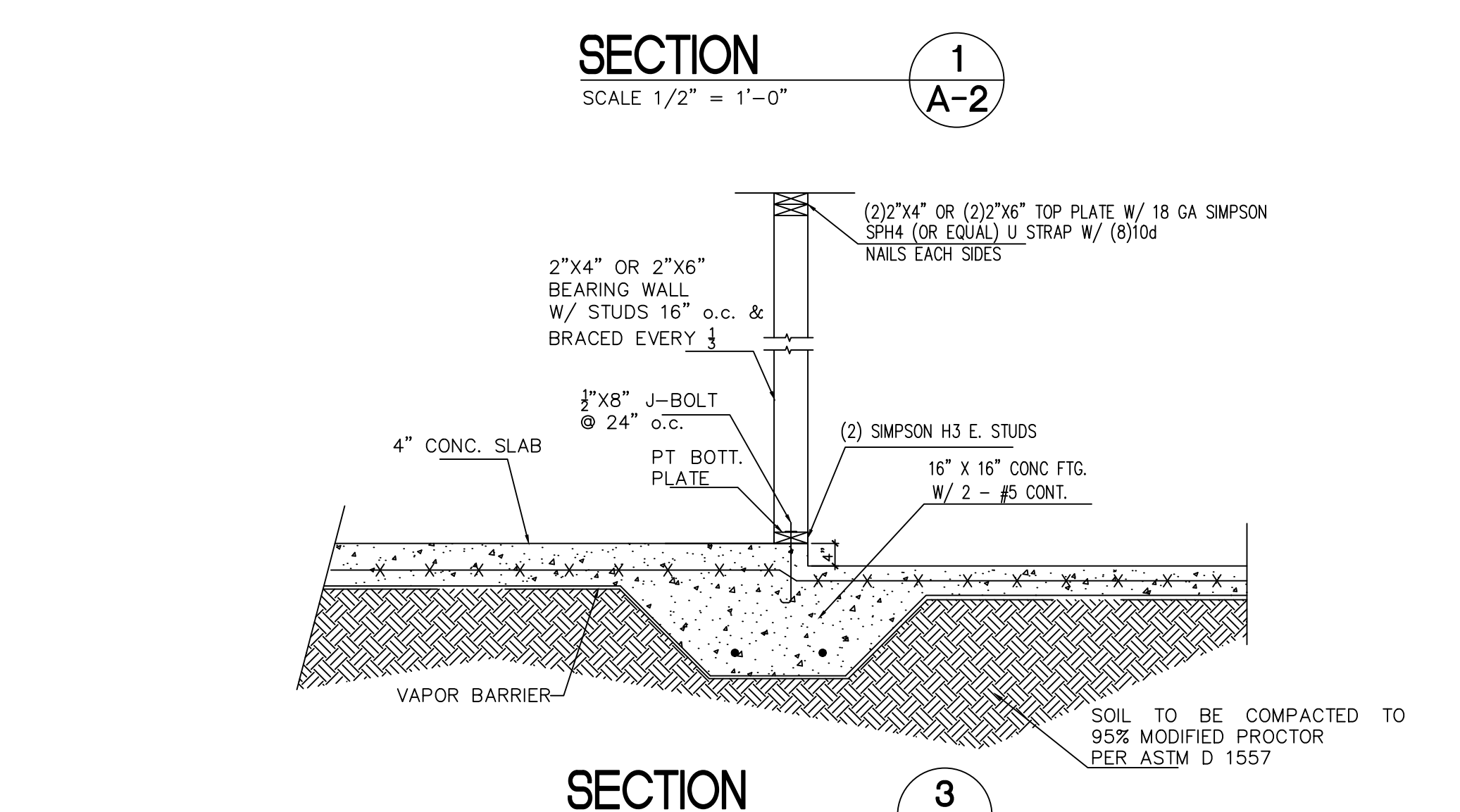
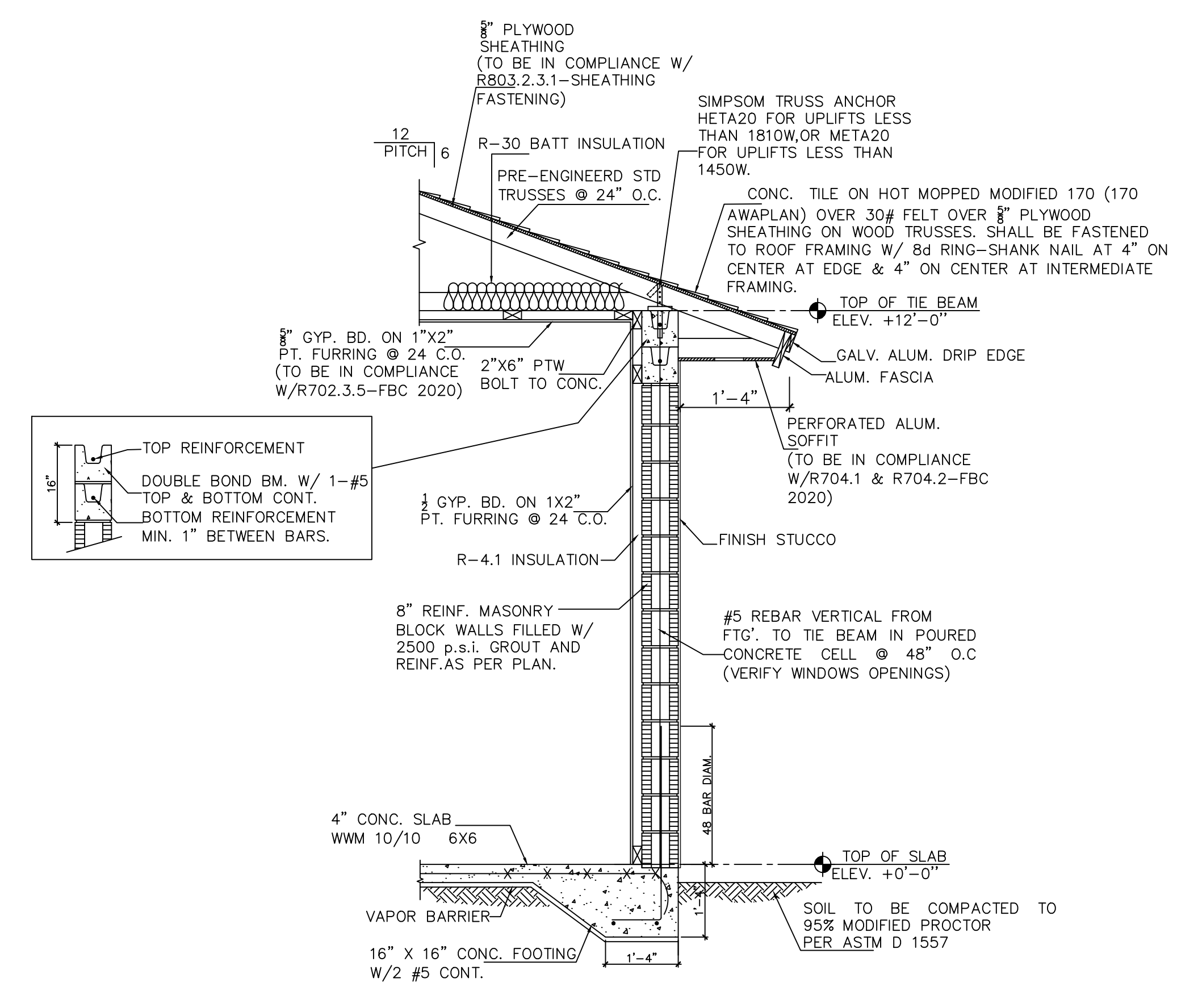
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WOOD COLUMN SCHEDULE	
MARK	COLUMN DESCRIPTION
WC1	(3)2"x8" W/ SIMPSON (2)HTT5 BOTT.
WC2	(2)2"x6" W/ SIMPSON (2)HTT4 BOTT.

FOOTING SCHEDULE			
MARK	SIZE	REINFORCEMENT	REMARKS
F-16	16" x 16"	16" X 16" CONC. FOOTING W/2 #5 CONT.	SEE SECTION 1/A-2
A	36"x36"x16"	5-#5 EA. WAY, BOTT.	
B	40x40"x16"	6-#5 EA. WAY, BOTT.	



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PROPOSED FOR: OSCAR BETANCOURT  
 XXXX EVERGLADES BLVD N., NAPLES, FL 34120

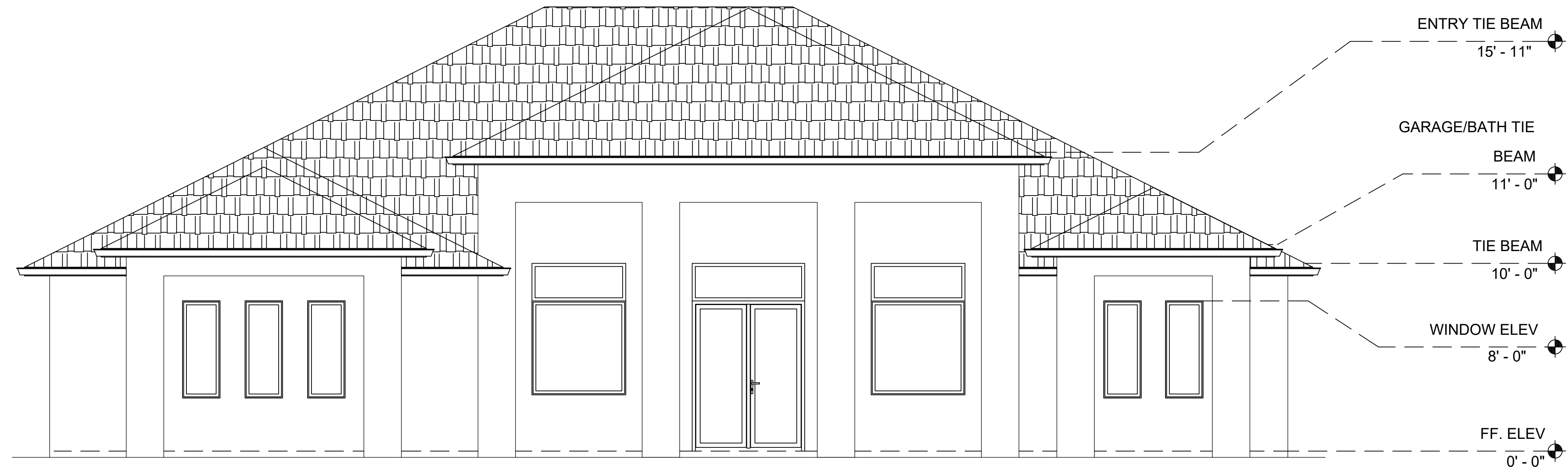
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DATE: 03-3-2023  
 JOB NUMBER:  
 DRAWN BY: L.M.  
 SHEET No. **A-2**  
 SEAL

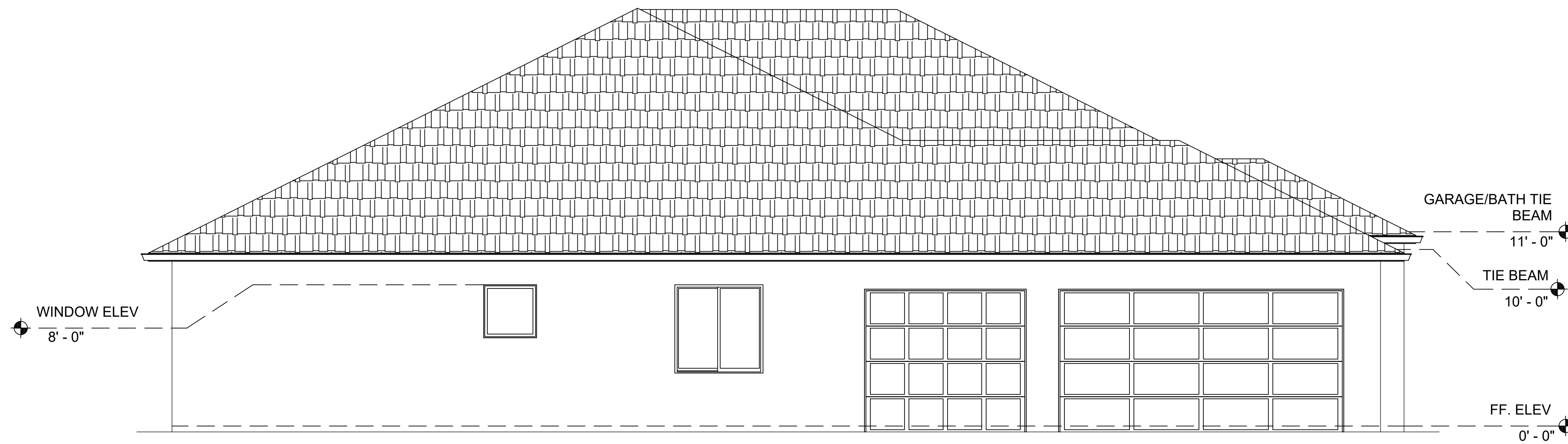
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**FRONT ELEVATION**  
SCALE 1/4" = 1'-0"



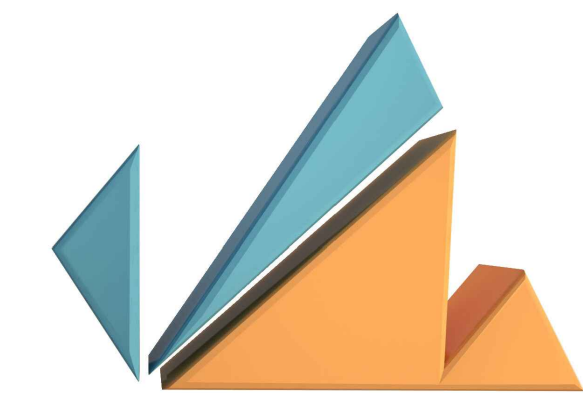
**LEFT ELEVATION**  
SCALE 1/4" = 1'-0"

**MASONRY WALL REINFORCEMENT CEMENT**

1. 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.
2. 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"
3. WALL SEGMENT BELOW AND ABOVE THE OPENINGS SHALL BE REINFORCED SAME AS WALL
4. MASONRY GROUT = 2500 P.S.I
5. MASONRY WALL COMPRESSIVE STRENGTH OF F'm = 1500 P.S.I
6. MORTAR TYPE M OR S WITH 1900 P.S.I COMPRESSIVE STRENGTH.

**FOUNDATION/GROUND FLOOR NOTES**

1. 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 TO EXCEED 12".
2. FOUNDATIONS ARE DESIGNED FOR 3000 PSF. GENERAL CONTRACTOR SHALL VERIFY THE VALIDITY OF THIS ASSUMPTION.
3. CENTER OF LOAD SHALL COINCIDE WITH CENTER OF FOOTING U.N.O.
4. ALL CONCRETE TO HAVE A MINIMUM 3000 PSI COMPRESSIVE STRENGTH WITH THE WATER/CEMENT RATIO OF 0.5 MAXIMUM.
5. • INDICATES ADDITIONAL #5 IN CMU WALLS.
6. REFER TO ARCHITECTURE PLANS FOR ALL DIMENSIONS.
7. ALL REINFORCEMENT SHALL BE GRADE 60.
8. 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.
9. SOIL SHALL BE TREATED FOR TERMITE PROTECTION AS PER SECTION R318 OF F.B.C. 7TH EDITION.



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PROPOSED FOR: OSCAR BETANCOURT  
XXXXX EVERGLADES BLVD N., NAPLES, FL 34120

SHEET TITLE: ELEVATIONS

DATE

03-3-2023

JOB NUMBER

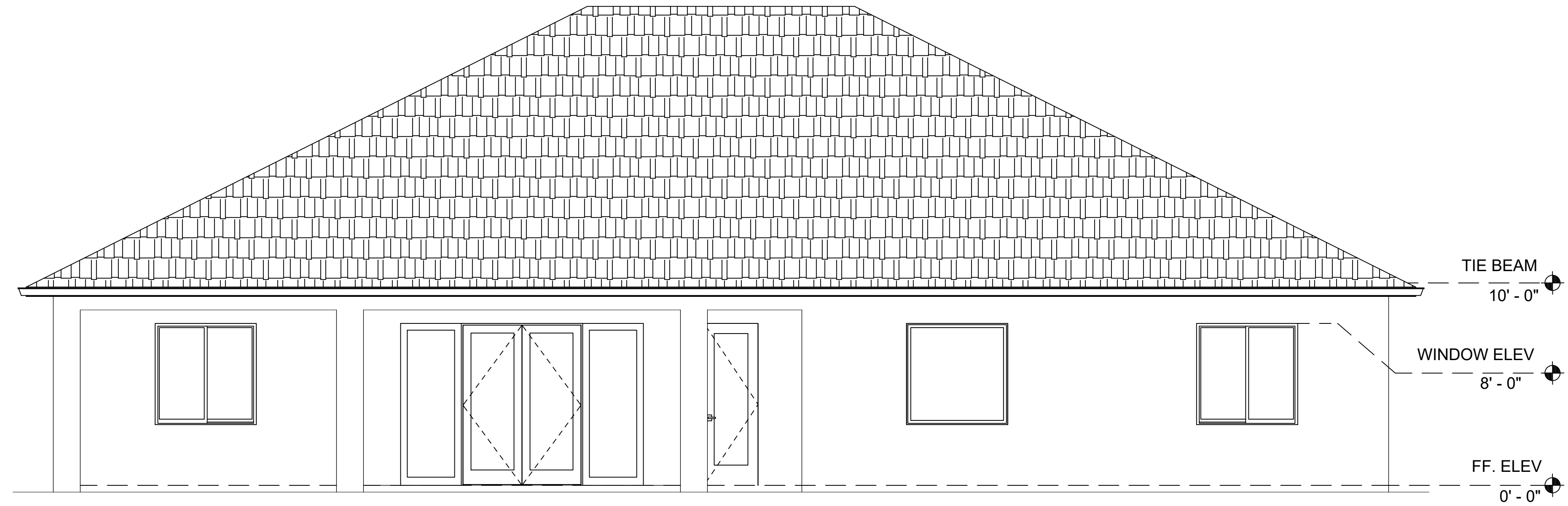
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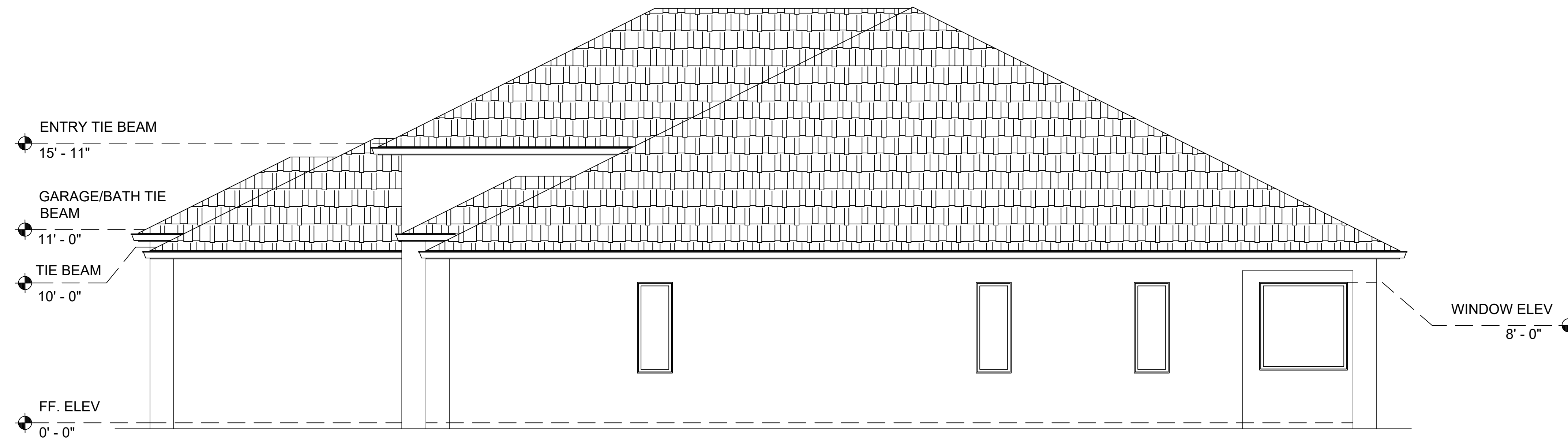
SHEET No.

**A-3**

SEAL



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

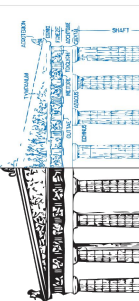


**RIGHT ELEVATION**  
SCALE 1/4" = 1'-0"

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SHEET TITLE: ELEVATIONS

DATE  
03-3-2023

JOB NUMBER

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SHEET No.  
**A-4**

SEAL

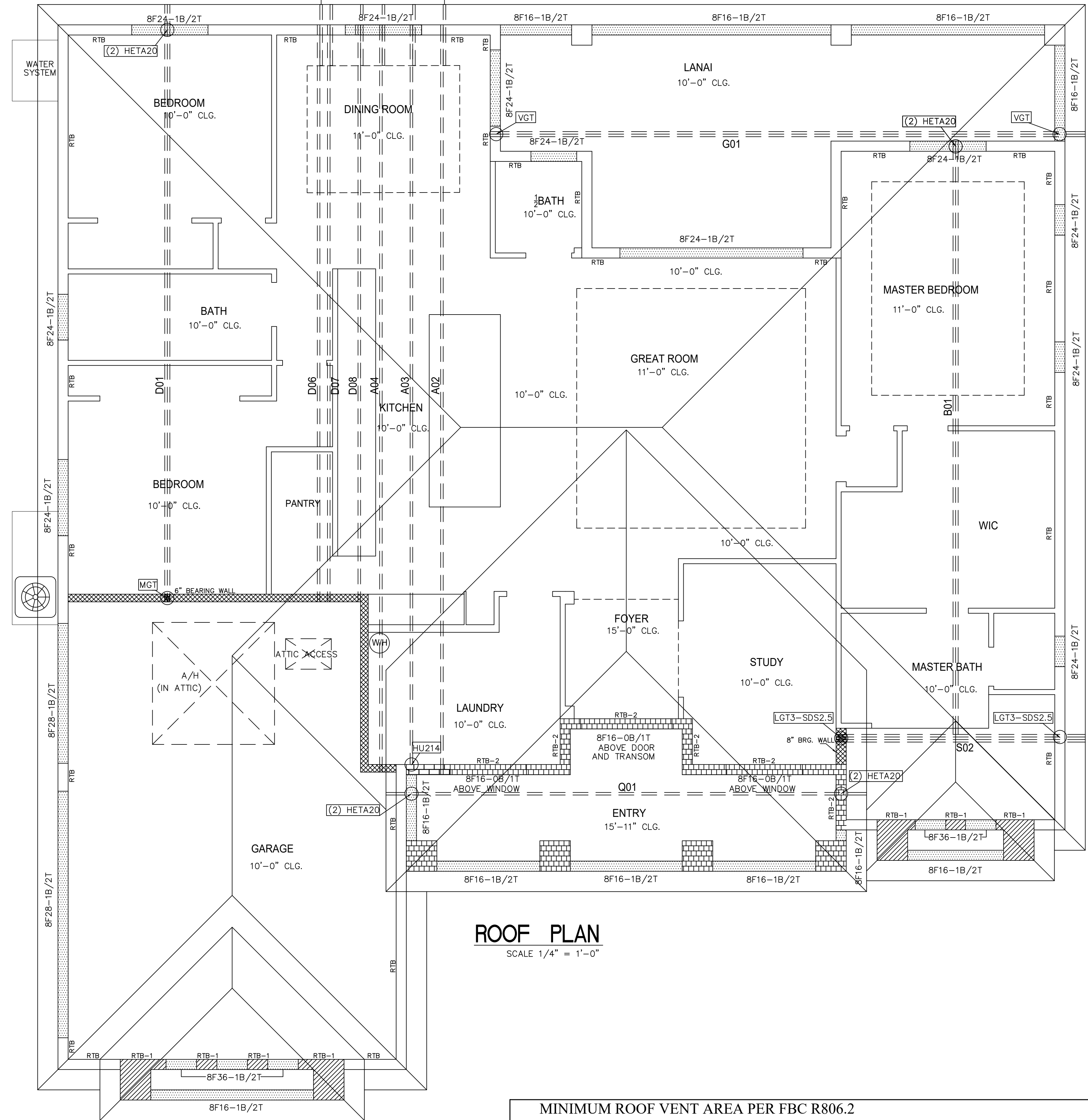


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D06, D07, D08, A04, A03, A02  
 O.H. 2"x4"  
 O.H. 48" LONG NAILED TO  
 TRUSS W/ 8d NAILS 6" O.C.  
 STAGGERED



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

**MINIMUM ROOF VENT AREA PER FBC R806.2**  
 VENTING REQUIRED: 3922 x 144 SQ IN/SQ FT x 1/300 SQ IN VENT/SQ IN ROOF = 1883 SQ IN

**NOTE: 1/50 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.**

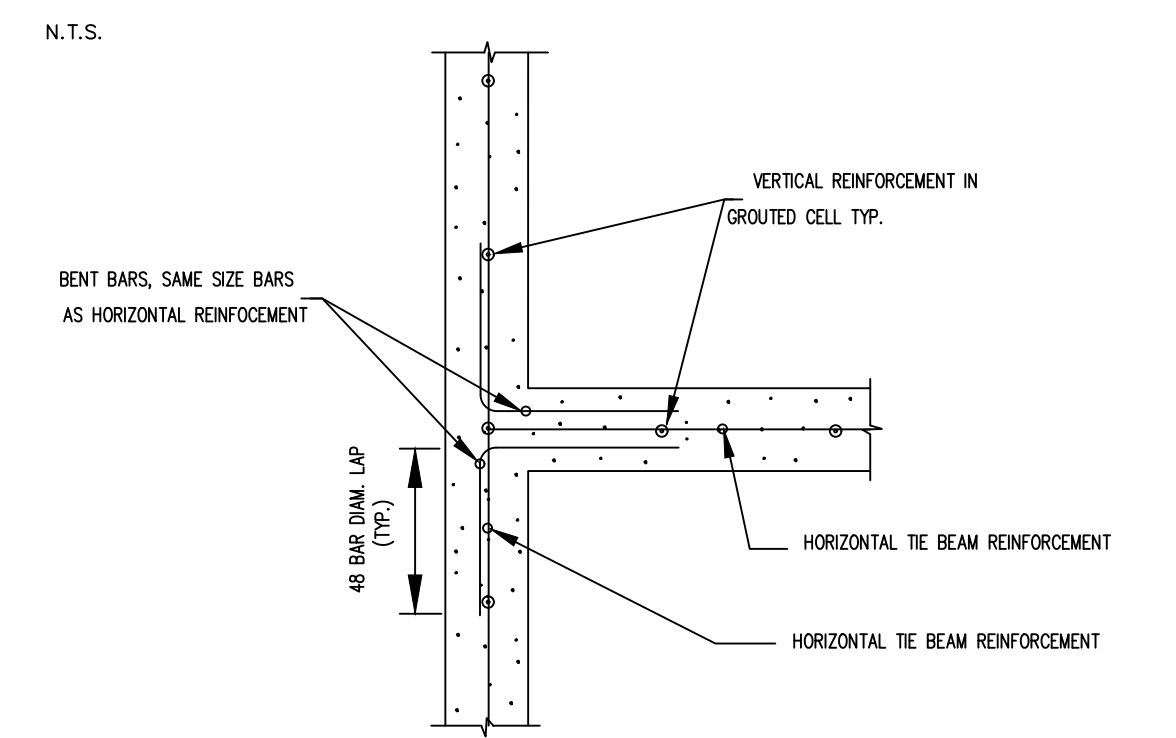
**DISCRETE ROOF AREAS TO HAVE PERCENTAGE OF TOTAL VENTING PROPORTIONAL TO THE PERCENTAGE OF AREA. SMALL ROOF AREAS SUCH AS ENTRY TOWERS MAY BE VENTED W/ SOFFIT VENTS ONLY PROVIDED VENTILATION IS BASED ON THE 2x INCREASE IN NET FREE AREA.**

**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 ARE OF 11.4 SQ. INCHES. CONTRACTOR REQUIRED TO VERIFY ALL ROOF VENTING PER THE CALCULATION IN FBC R806.2**

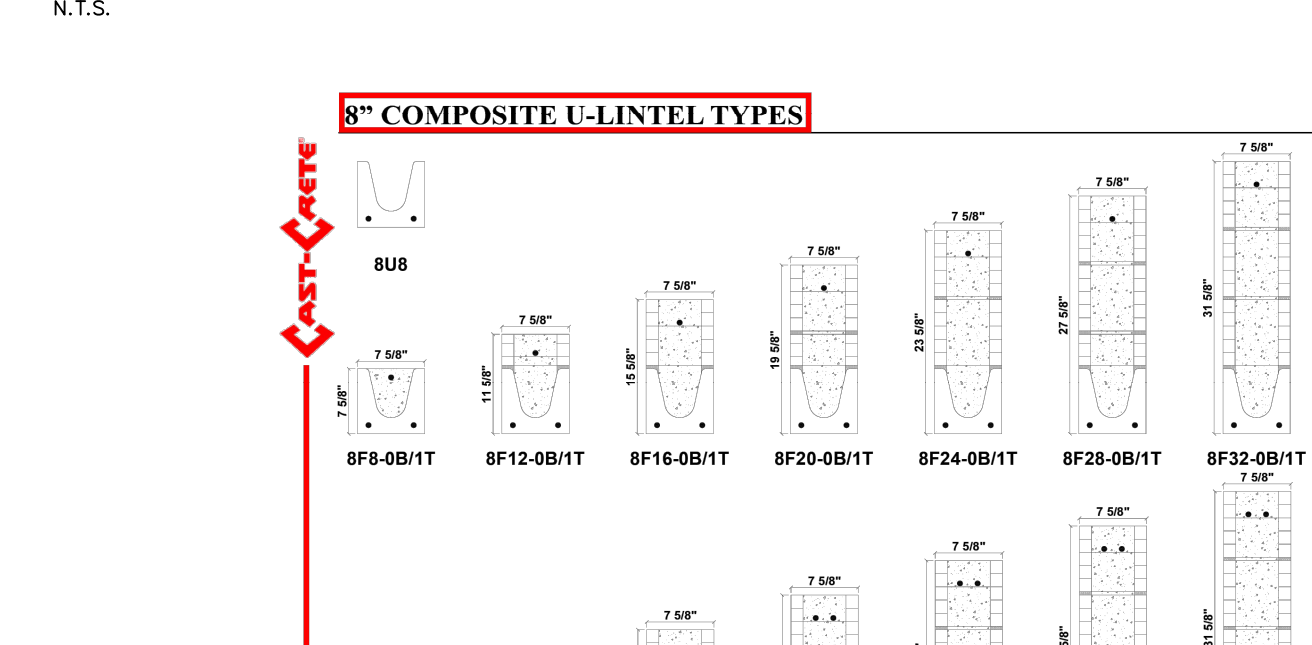
**LOCATE ALL ROOF VENT PENETRATIONS MIN. 18" FROM RIDGES OR VALLEYS**

- 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 MANUFACTURED SHALL PROVIDE UPLIFT & REACTION VALUES FOR INDIVIDUAL TRUSSES, REFER TO THE TRUSS DRAWING FOR LAYOUT.
  - ROOF SHEATHING SHALL CONSIST OF 3/4" MIN. PLYWOOD. (TO BE IN COMPLIANCE W/ R803.2.3.1 - SHEATHING FASTENING)
  - BRACE TRUSSES PER T.P.L. H1.B-31, AS REVISED.
  - PROVIDE SIMPSON HETA20 W/16 10d x 1 3/8" FOR UPLIFT UP TO 1810 LBS. PROVIDE (2) SIMPSON HETA20 @ OPPOSITE SIDE OF GIRDER TRUSS. UNLESS OTHERWISE NOTE.
  - PROVIDE SIMPSON LSTA30 OR SIMILAR FOR UPLIFT UP TO 1000 LBS., FOR THE TRUSSES THAT SUPPORT INTERIOR BEARING WALLS.
  - ALL CHANGES OF THE TRUSS LAYOUT SHALL BE APPROVED BY THE ENGINEER.

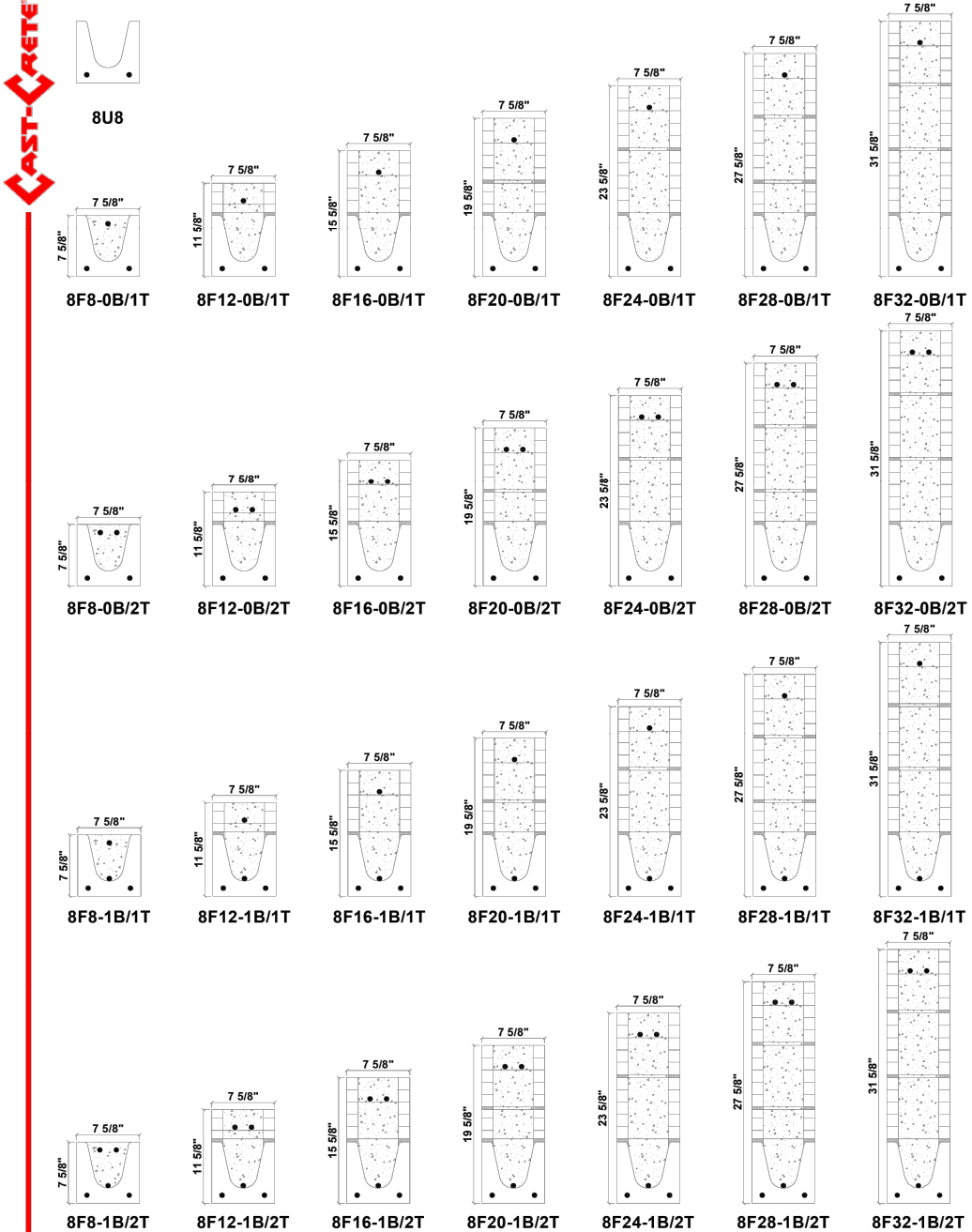
**TYP. TIE BEAM CORNER BENT AND LAP BAR DETAIL**



**TYP. TIE BEAM INTERSECTION BENT AND LAP BAR DETAIL**



**8" COMPOSITE U-LINTEL TYPES**



**8" PRECAST U-LINTELS**

OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
3'-0"	2-#3 rebar	2-#3 rebar
3'-4"	2-#3 rebar	2-#3 rebar
3'-6"	2-#3 rebar	2-#3 rebar
4'-0"	2-#3 rebar	2-#3 rebar
4'-6"	2-#3 rebar	2-#3 rebar
4'-8"	2-#3 rebar	2-#3 rebar
5'-4"	2-#3 rebar	2-#3 rebar
5'-10"	2-#3 rebar	2-#3 rebar
6'-0"	2-#3 rebar	2-#3 rebar
6'-6"	2-#3 rebar	2-#3 rebar
6'-8"	2-#3 rebar	2-#3 rebar
7'-4"	2-#3 rebar	2-#3 rebar
7'-6"	2-#3 rebar	2-#3 rebar
8'-0"	2-#3 rebar	2-#3 rebar
8'-8"	2-#3 rebar	2-#3 rebar
9'-4"	2-#3 rebar	2-#3 rebar
10'-0"	2-#3 rebar	2-#3 rebar
10'-6"	2-#3 rebar	2-#3 rebar
10'-8"	2-#3 rebar	2-#3 rebar
11'-4"	2-#3 rebar	2-#3 rebar
12'-0"	2-#3 rebar	2-#3 rebar
13'-4"	2-#3 rebar	2-#3 rebar
14'-0"	2-#3 rebar	2-#3 rebar

**8" PRESTRESSED U-LINTELS**

OVERALL LENGTH	TOP STEEL	BOTTOM STEEL
14'-8"	NONE	2-#7/16 strand
15'-4"	NONE	2-#7/16 strand
17'-4"	NONE	2-#7/16 strand
19'-4"	2-#7/32" wire	2-#7/16 strand
21'-4"	2-#7/32" wire	2-#7/16 strand
22'-0"	2-#7/32" wire	2-#4 rebar
24'-0"	2-#7/32" wire	2-#7/16 strand
24'-0"	2-#7/32" wire	2-#4 rebar

**BEAM SCHEDULE**

MARK	ELEV	DIM. (in.)	REINFORCING				STIRRUPS	REMARKS
			B	T	C	I.E.F.		
RTB	+10'-0"	(2)8" x 8" BOND BEAM W/ (1) # 5 REBAR						
RTB-1	+11'-0"	(2)8" x 8" BOND BEAM W/ (1) # 5 REBAR						
RTB-2	+15'-11"	(2)8" x 8" BOND BEAM W/ (1) # 5 REBAR						

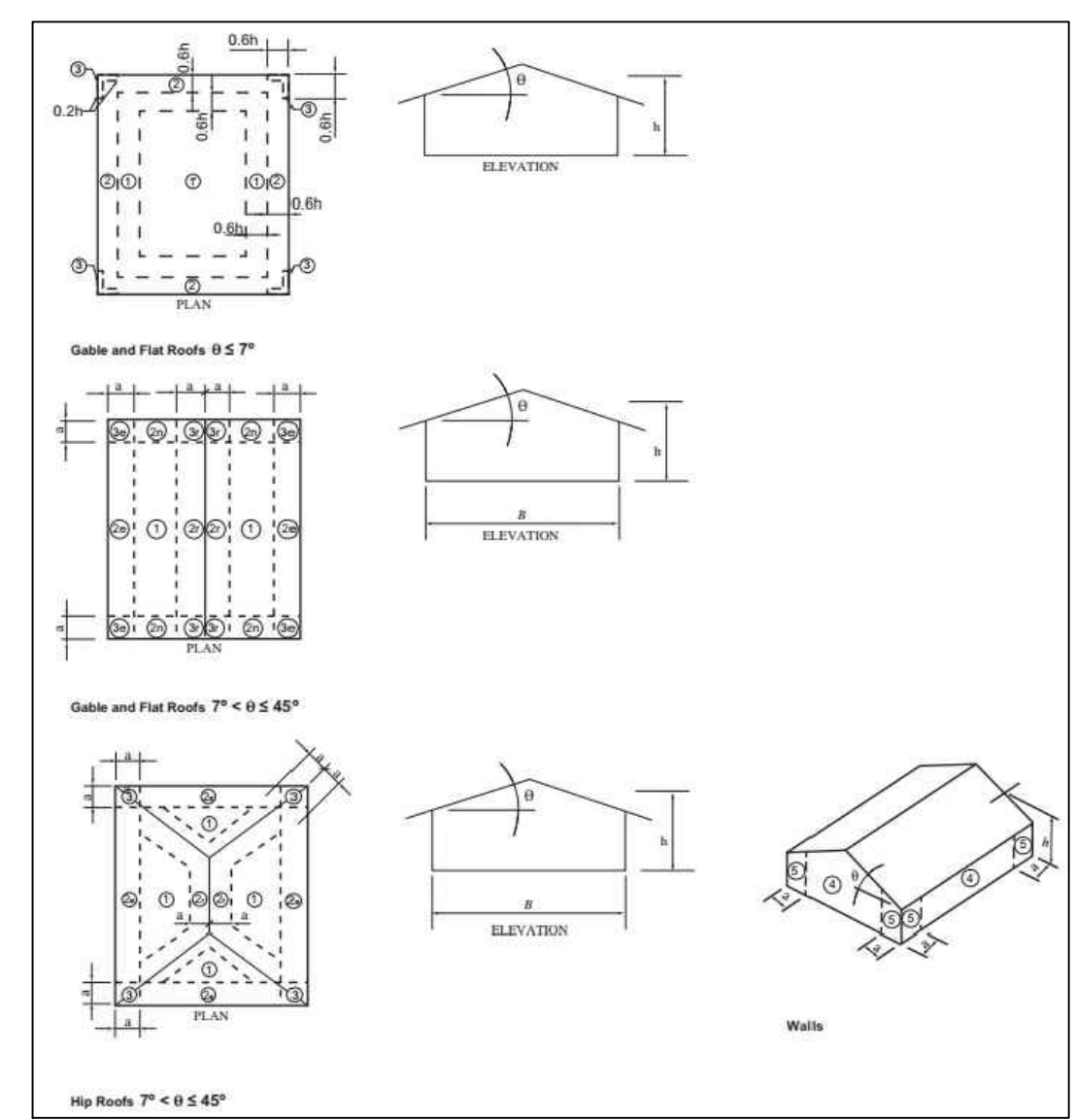
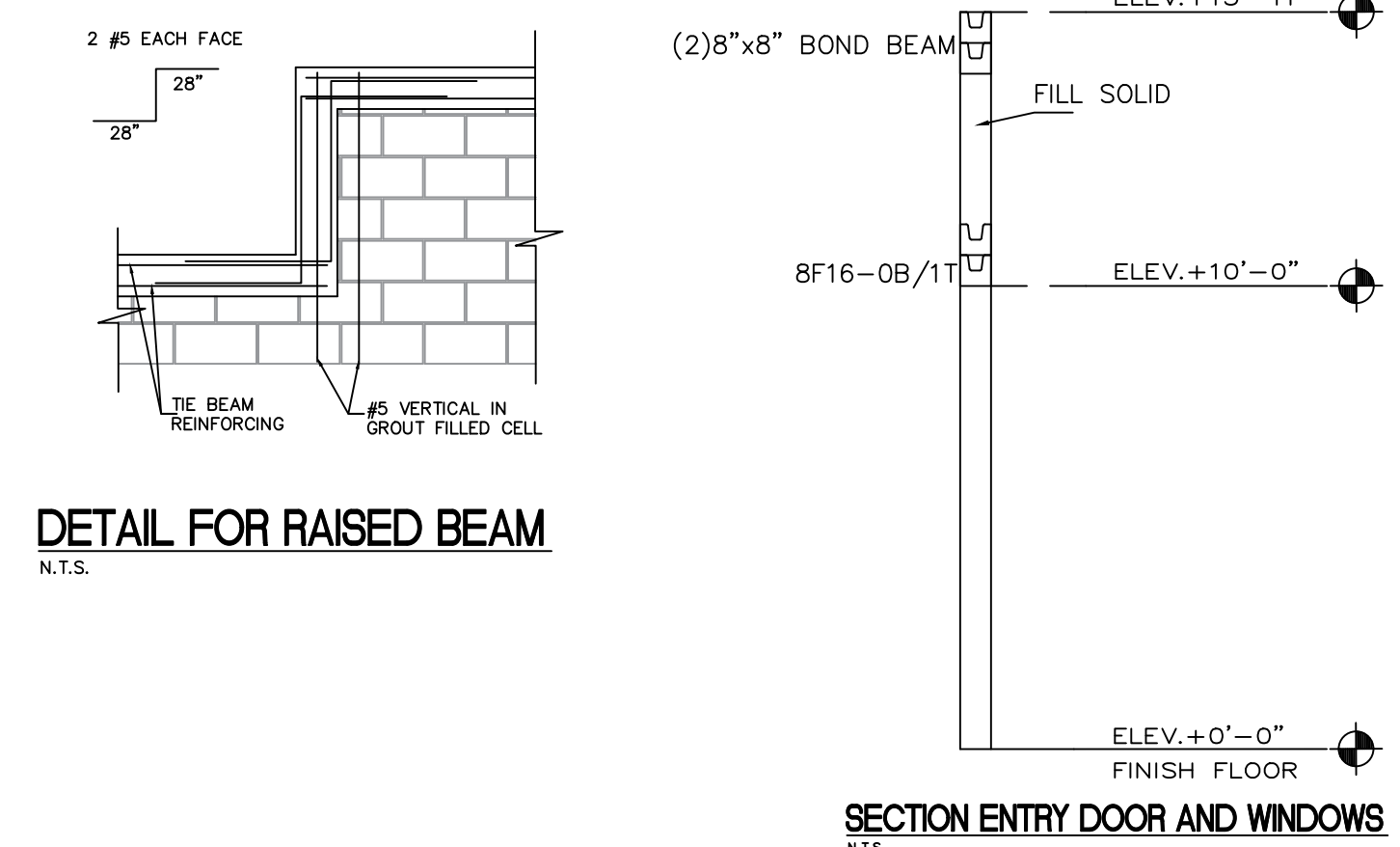


FIGURE R301.2(7)  
 COMPONENT AND CLADDING PRESSURE ZONES

REVISIONS

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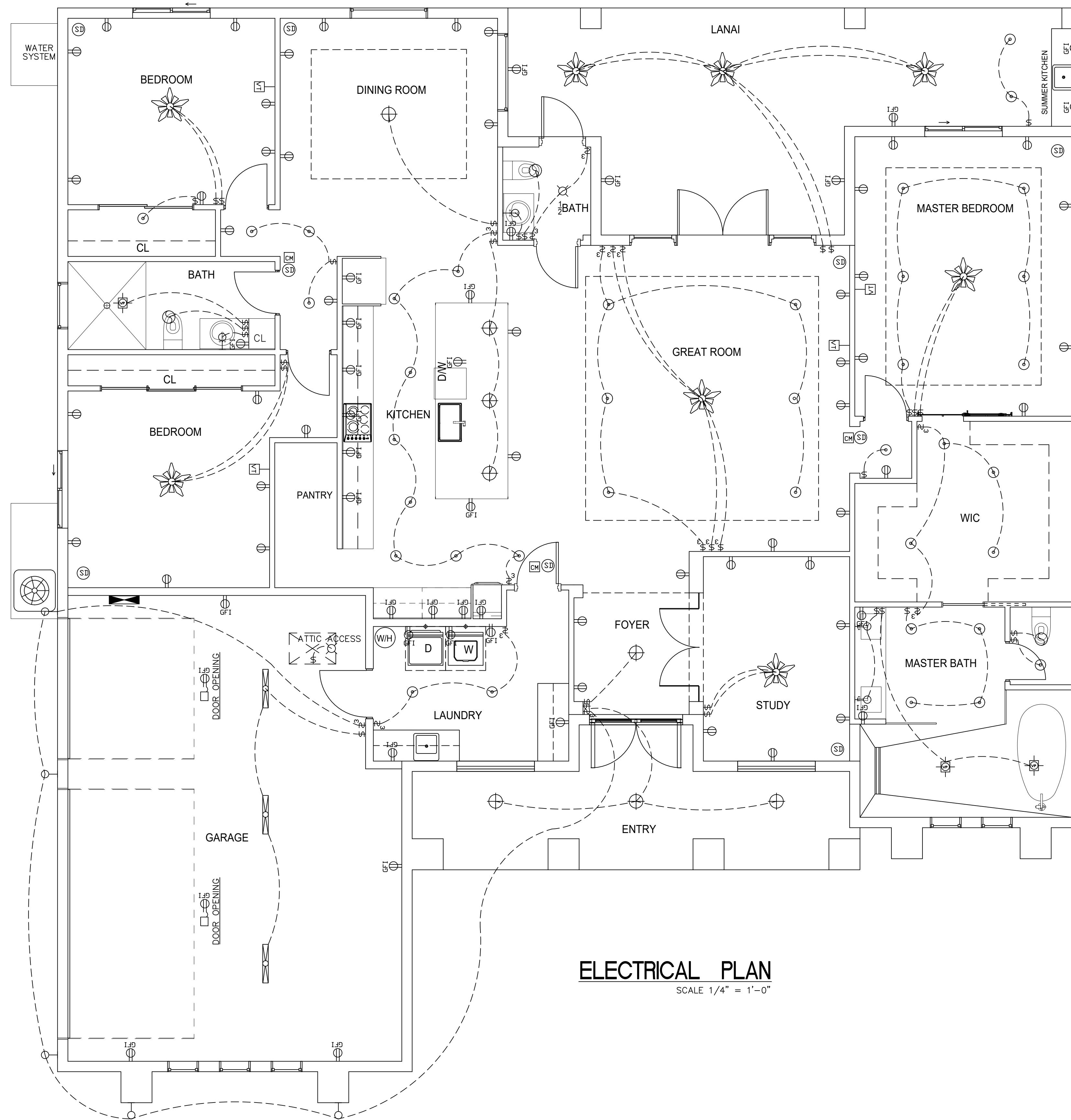
PROPOSED FOR: OSCAR BETANCOURT  
 XXXX EVERGLADES BLVD N., NAPLES, FL 34120  
 SHEET TITLE: ROOF PLAN

DATE  
 03-3-2023  
 JOB NUMBER  
 DRAWN BY:  
 L.M.  
 SHEET No.  
**A-5**  
 SEAL

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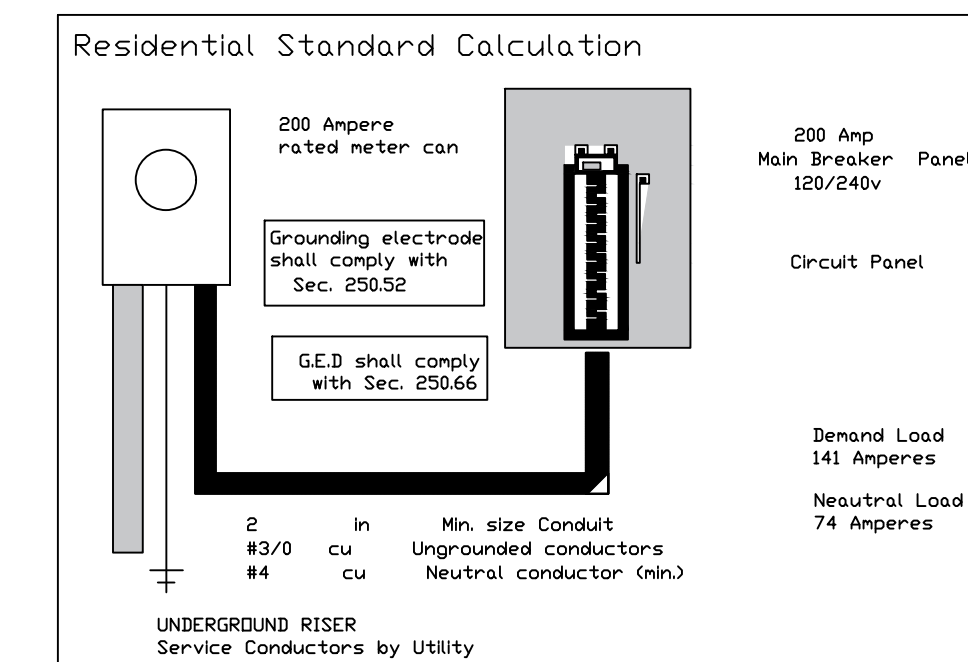
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**ELECTRICAL PLAN**  
SCALE 1/4" = 1'-0"

**ELECTRICAL LEGEND:**

⊕	SINGLE SWITCH
⊕	3 WAY SWITCH
⊕	4 WAY SWITCH
⊕	DUPLEX RECEPTABLE
⊕	GF1 RECEPTABLE
⊕	RECESSED LIGHT
⊕	EXHAUST FAN
⊕	SMDKE 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
⊕	CARBON MONOXIDE ALARM WITHIN 10' OF EACH BEDROOM
⊕	PENDANT LAMP



**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.

2017 N.E.C./7TH EDITION F.B.C. 2020

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PROPOSED FOR: OSCAR BETANCOURT

XXXXX EVERGLADES BLVD N., NAPLES, FL 34120

SHEET TITLE: ELECTRICAL PLAN

DATE  
03-3-2023

JOB NUMBER

DRAWN BY:  
L.M.

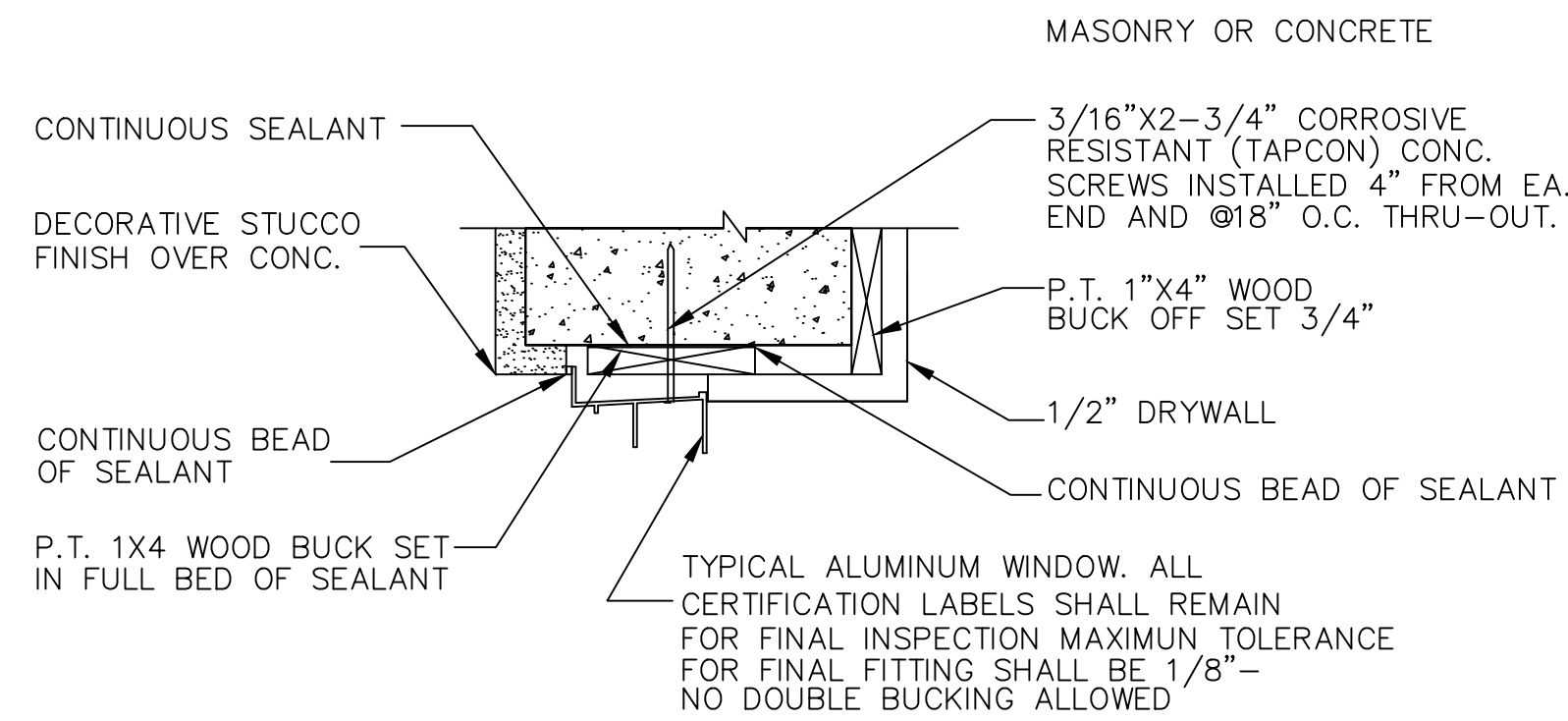
SHEET No.  
**A-6**

SEAL

# 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 CONDITIONS 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 90° 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.  
 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(N/A)  
 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 INITIAL 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.  
 6. 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 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. GIRDER 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 7TH EDITION, ASCE 7-16; RISK CATEGORY II, ENCLOSE BUILDING, 170 MPH WIND SPEED, EXPOSURE C. SEE CALCULATIONS FOR ADDITIONAL INFORMATION.
- GENERAL**  
 THE BUILDING WAS DESIGNED ACCORDING TO THE FLORIDA BUILDING CODE 7TH EDITION. 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.

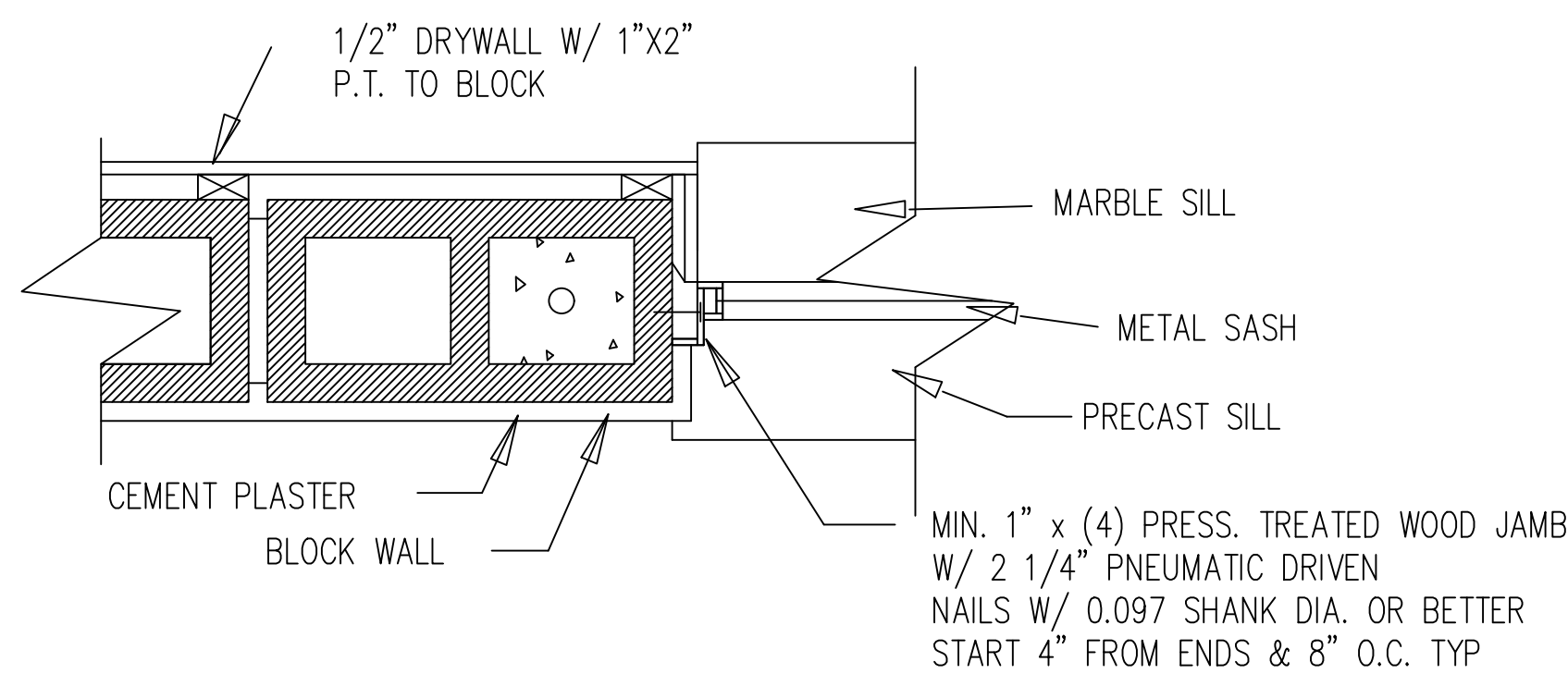


## WINDOW HEAD AND JAMB DETAIL

SCALE: N.T.S.

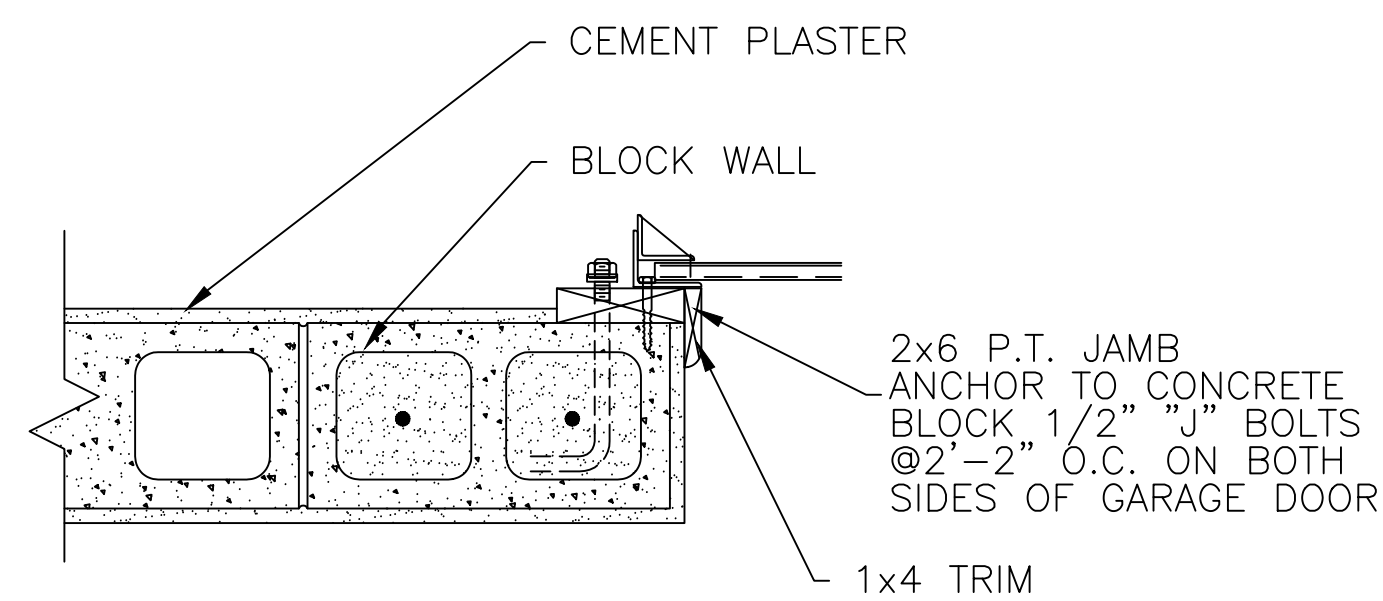
### NOTES :

- 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 .



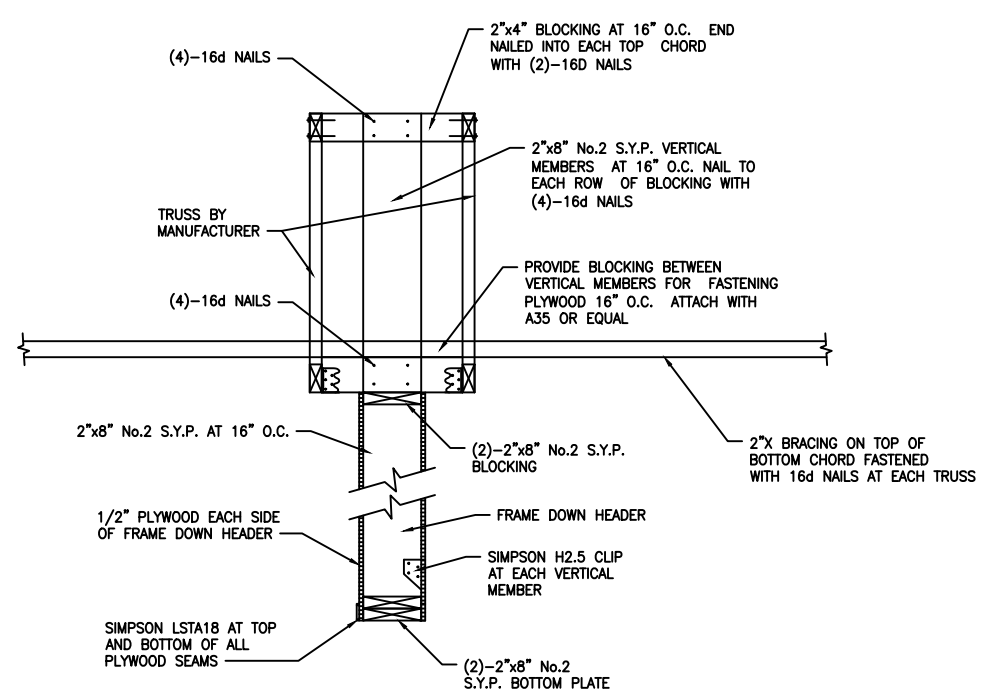
## DOOR AND WINDOW JAMB DETAIL

SCALE: N.T.S.



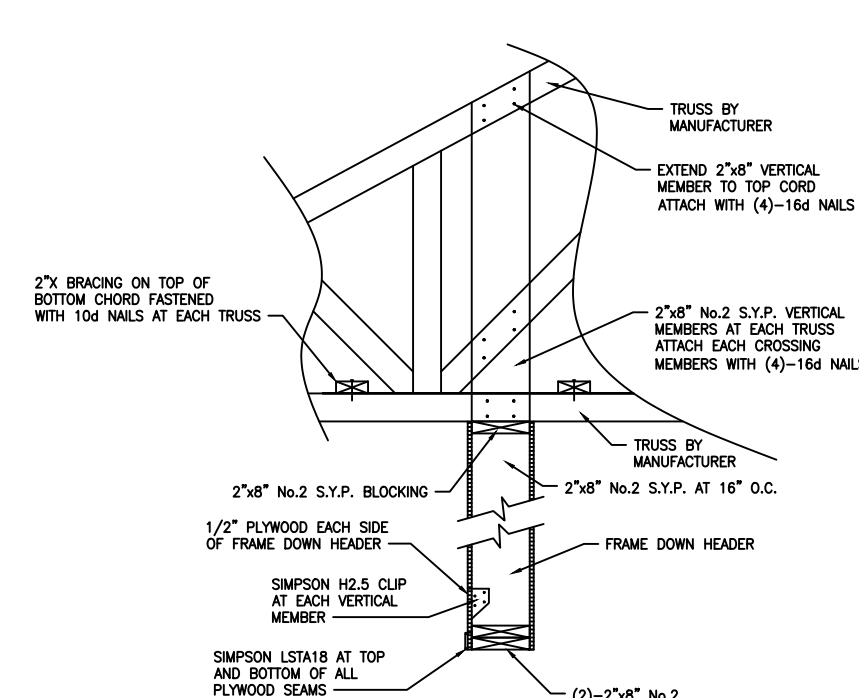
## GARAGE DOOR JAMB DETAIL

SCALE: N.T.S.



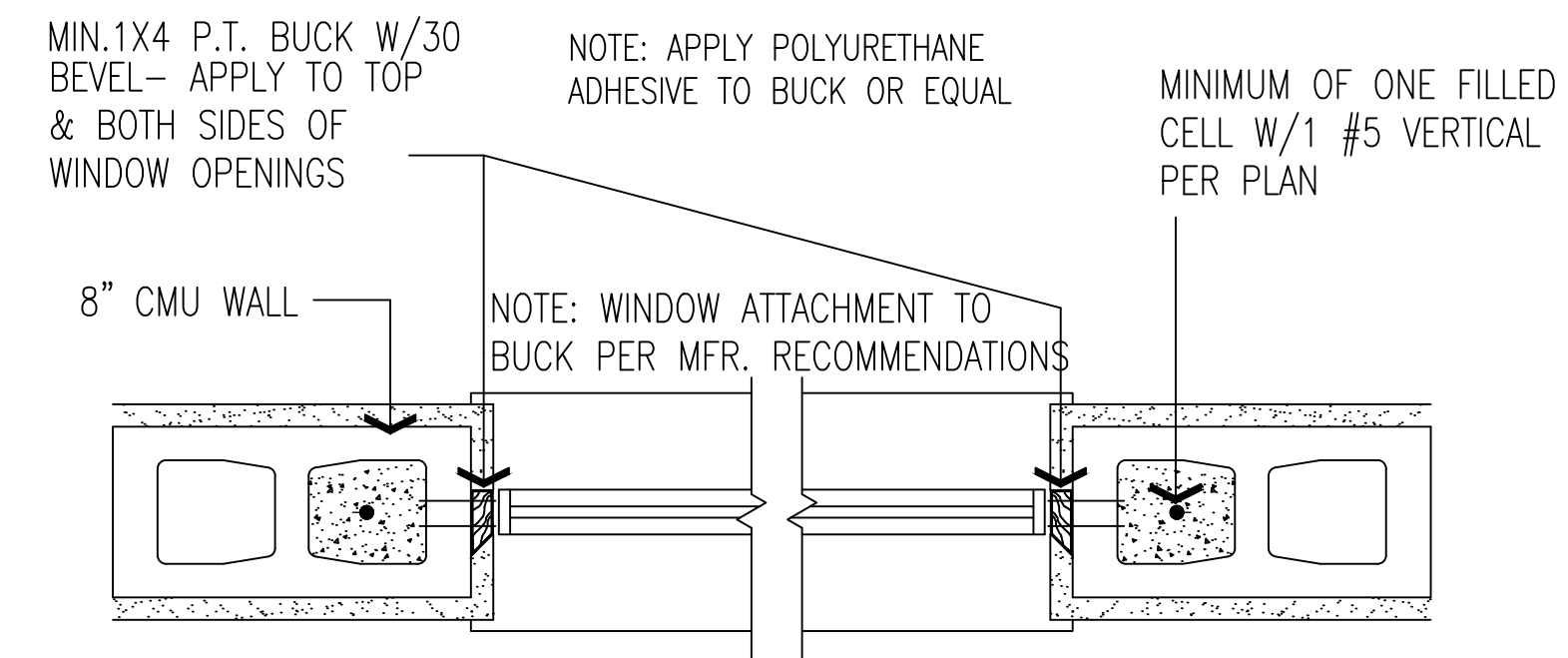
## FRAME DOWN PARALLEL TO TRUSSES

N.T.S.



## FRAME DOWN PERPENDICULAR TO TRUSSES

N.T.S.

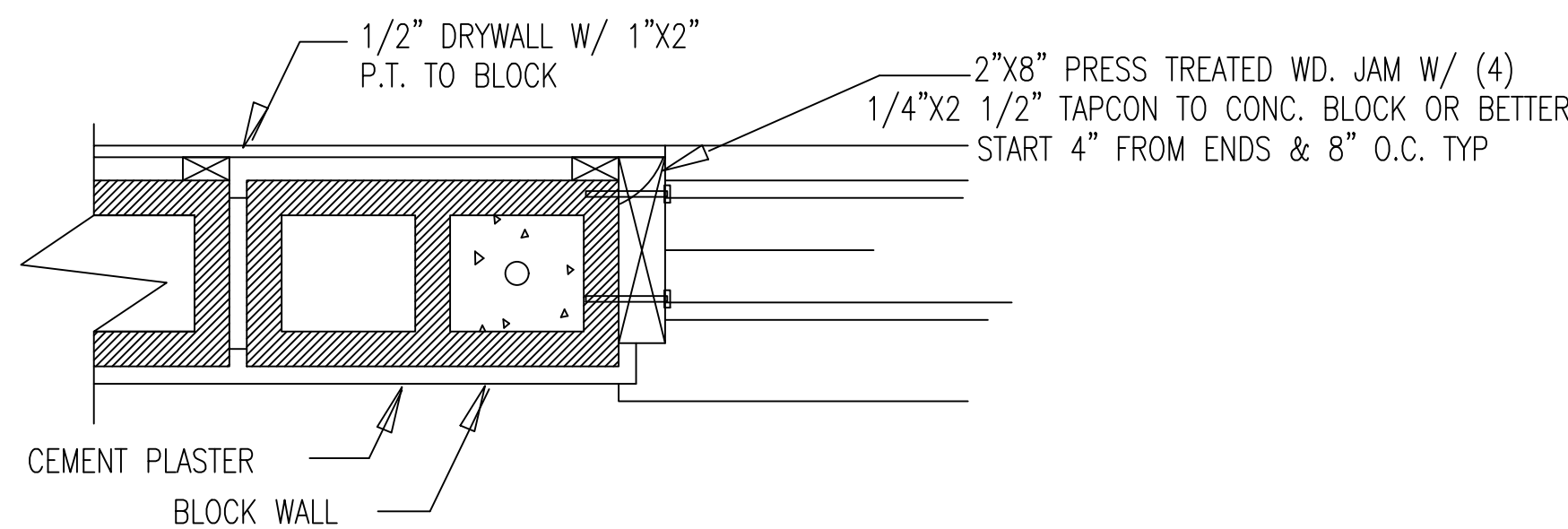


## BUCK FASTENERS TO MASONRY TO BE ONE OF THE FOLLOWING:

- 1/4" x 3" TAPCONS @ 16" O.C. (MIN. 3 PER BUCK)
- 10D FULL HEAD COIL NAIL @ 12" O.C.
- 8D FULL HEAD COIL NAIL @ 8" O.C.
- 6D FULL HEAD COIL NAIL @ 6" O.C.

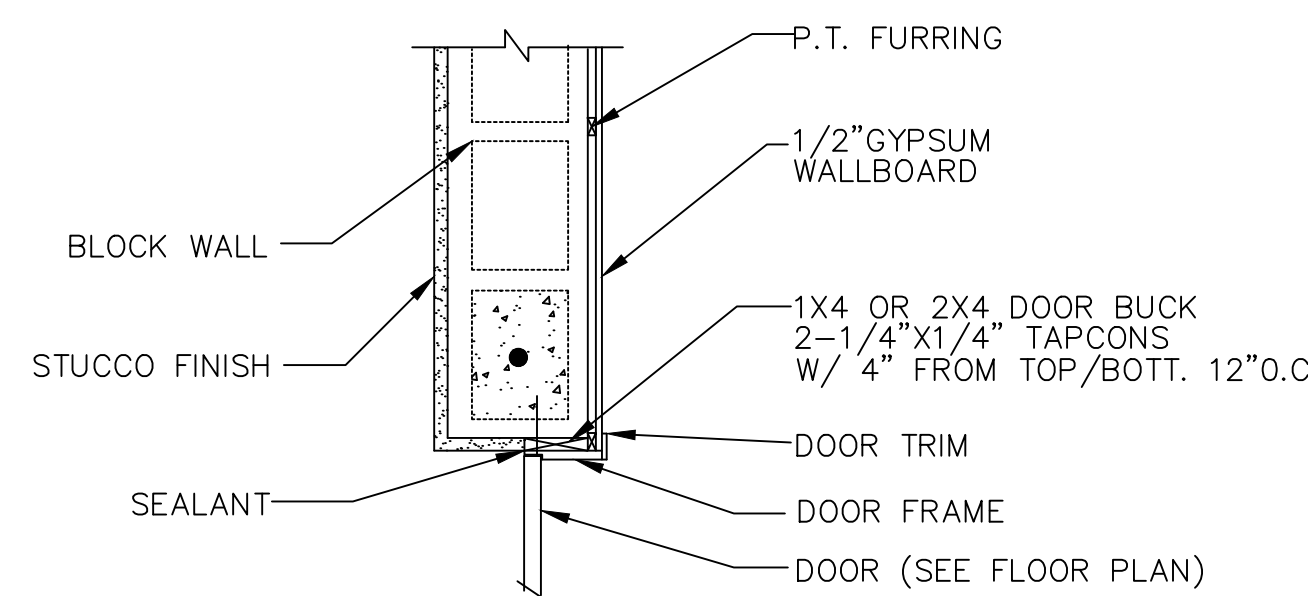
## WINDOW INSTALLATION DETAIL

SCALE: N.T.S.



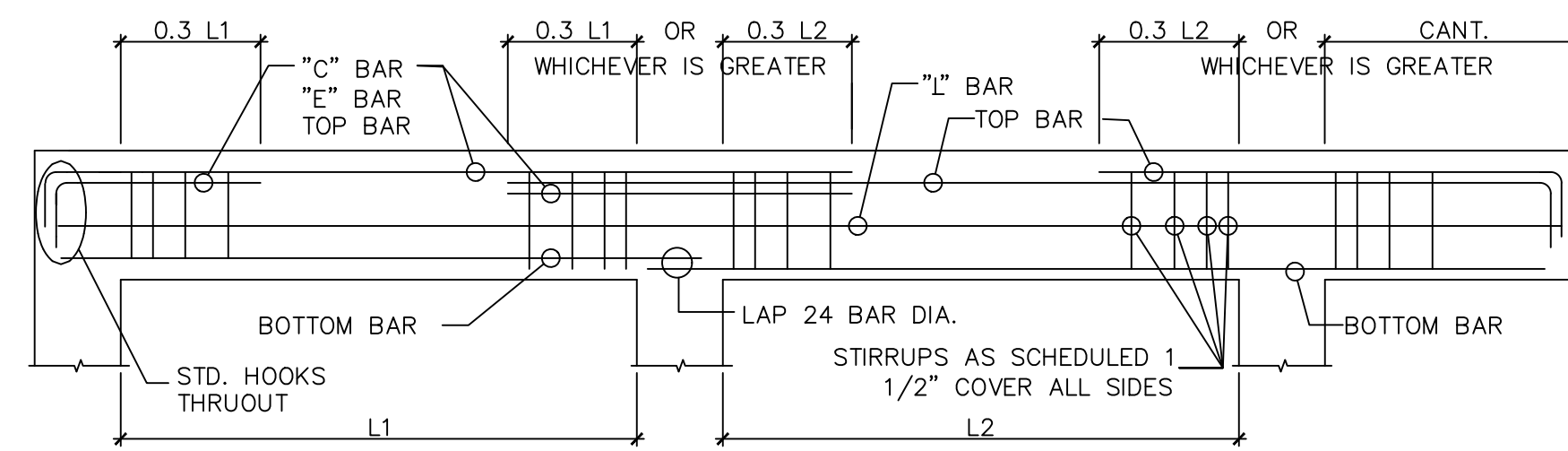
## SL. GL. DR. JAMB TO BLK DETAIL

SCALE: N.T.S.



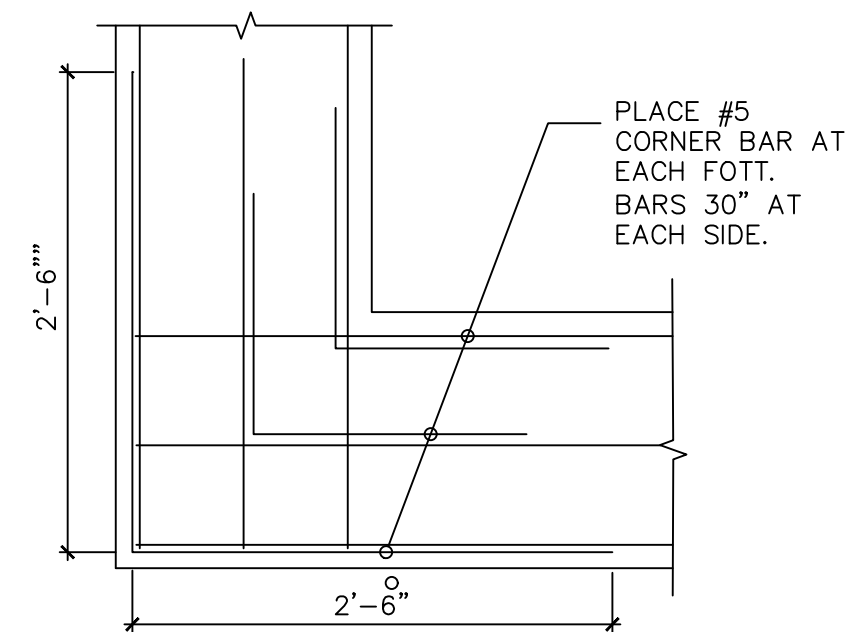
## TYPICAL EXTERIOR DOOR DETAIL

SCALE: N.T.S.



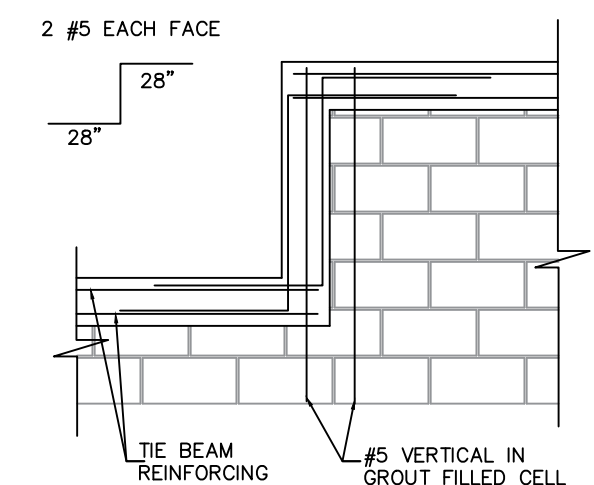
## TYPICAL BEAM REINF. DIAGRAM

N.T.S.  
 "C" BARS ARE TOP BARS AT NON-CONTINUOUS ENDS.  
 "E" BARS ARE TOP BARS OVER RIGHT INTERIOR SUPPORTS.  
 TOP BARS CALLED FOR AS CONTINUOUS, WHEN SPLICED, SHALL BE SPLICED IN THE MIDDLE THIRD OF THE SPAN. "I" INTERMEDIATE REINFORCEMENT



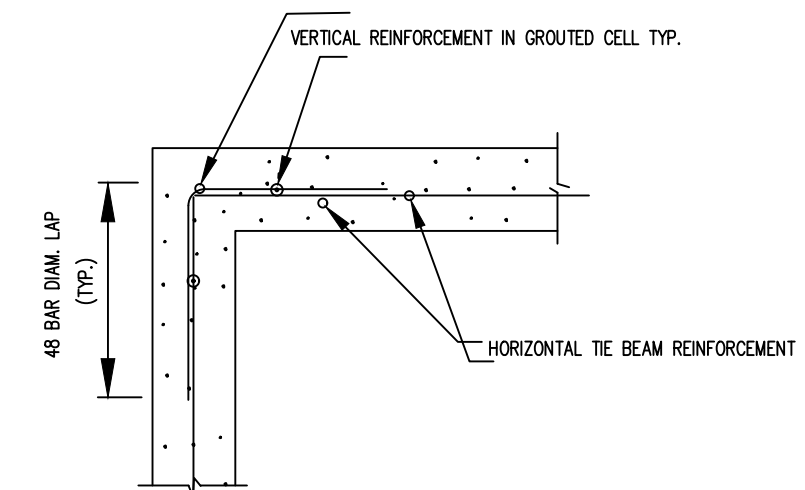
## TYP. FOOTING CORNER BAR DETAIL

SCALE: N.T.S.



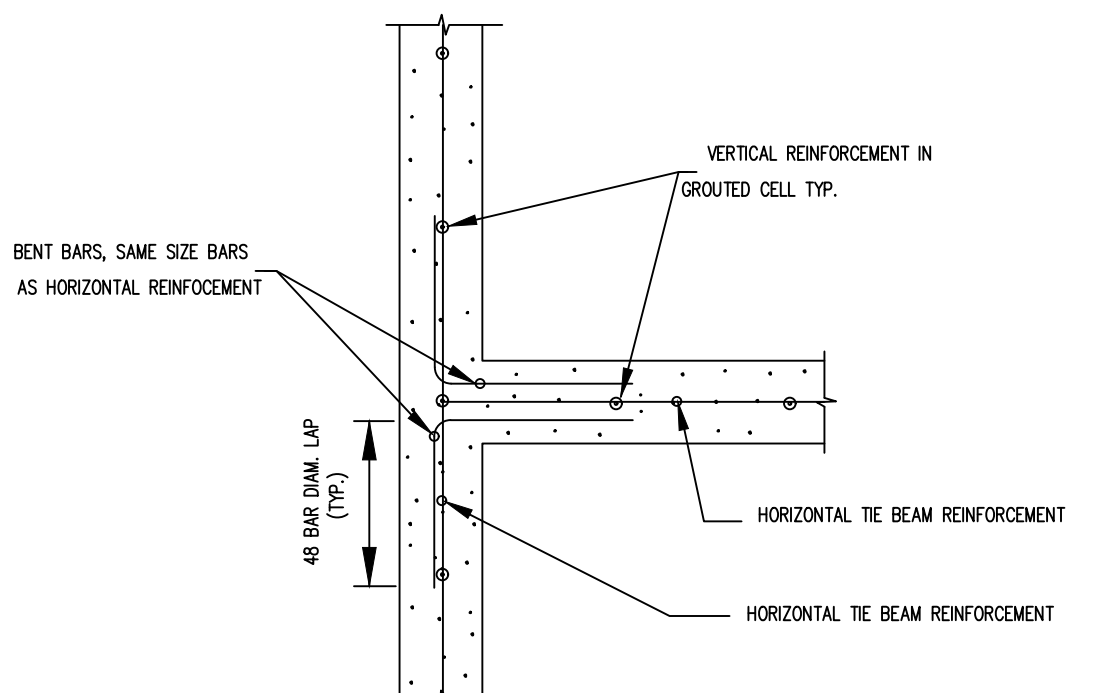
## DETAIL FOR RAISED BEAM

N.T.S.



## TYP. TIE BEAM CORNER BENT AND LAP BAR DETAIL

N.T.S.



## TYP. TIE BEAM INTERSECTION BENT AND LAP BAR DETAIL

N.T.S.

**JCA ENGINEERS LLC**  
**STRUCTURAL CONSULTANTS**  
 CA No. 30943

**JAVIER CANIZARES, P.E.**  
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 jcanizares.eng@gmail.com

REVISIONS

Moin@SanchezEnterprise.net

**Sanchez**

ENTERPRISE GROUP, LLC

GENERAL CONTRACTOR  
 CCC 1514485

239 692 6495  
 239 348 0096

PROPOSED FOR: OSCAR BETANCOURT

XXXX EVERGLADES BLVD N, NAPLES, FL 34120

SHEET TITLE: DETAILS

DATE  
 03-3-2023

JOB NUMBER

DRAWN BY:  
 L.M.

SHEET No.  
**A-7**

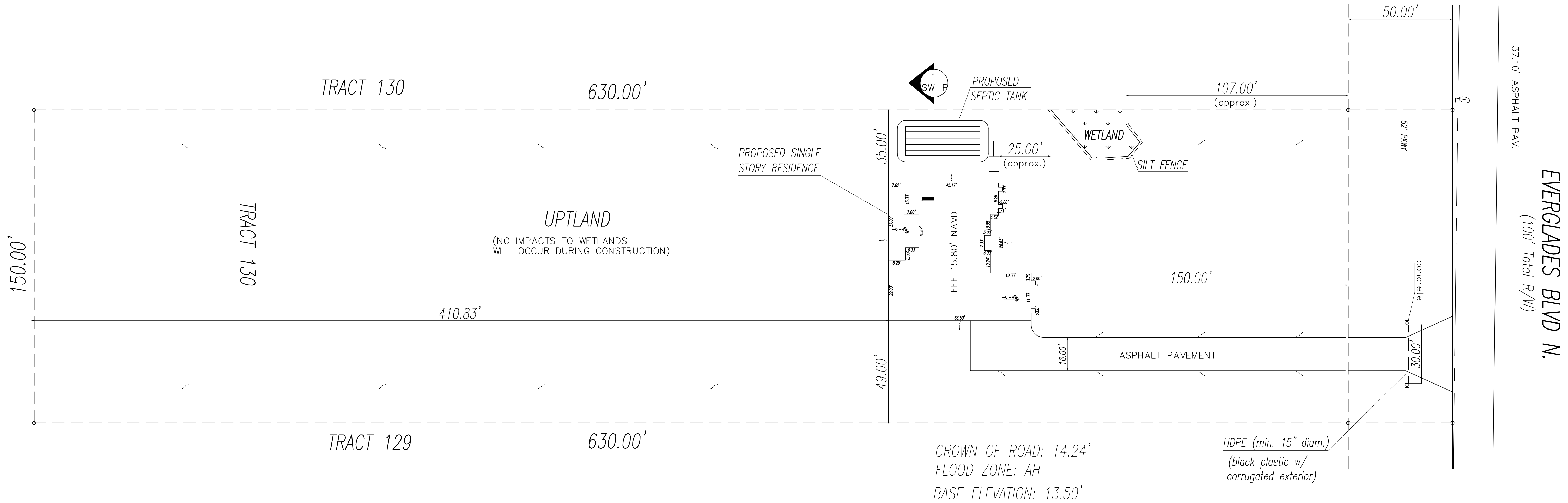
SEAL

PROPERTY ADDRESS:  
XXXX EVERGLADES BLVD N., NAPLES, FLORIDA, 34120

PARCEL No 40629240007

LEGAL DESCRIPTION:

THE SOUTH 150 FEET OF TRACT 130, GOLDEN GATE ESTATES, UNIT 76, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE(S) 13, OF THE PUBLIC RECORDS OF COLLIER COUNTY, FLORIDA.



CROWN OF ROAD: 14.24'  
FLOOD ZONE: AH  
BASE ELEVATION: 13.50'

HDPE (min. 15" diam.)  
(black plastic w/  
corrugated exterior)

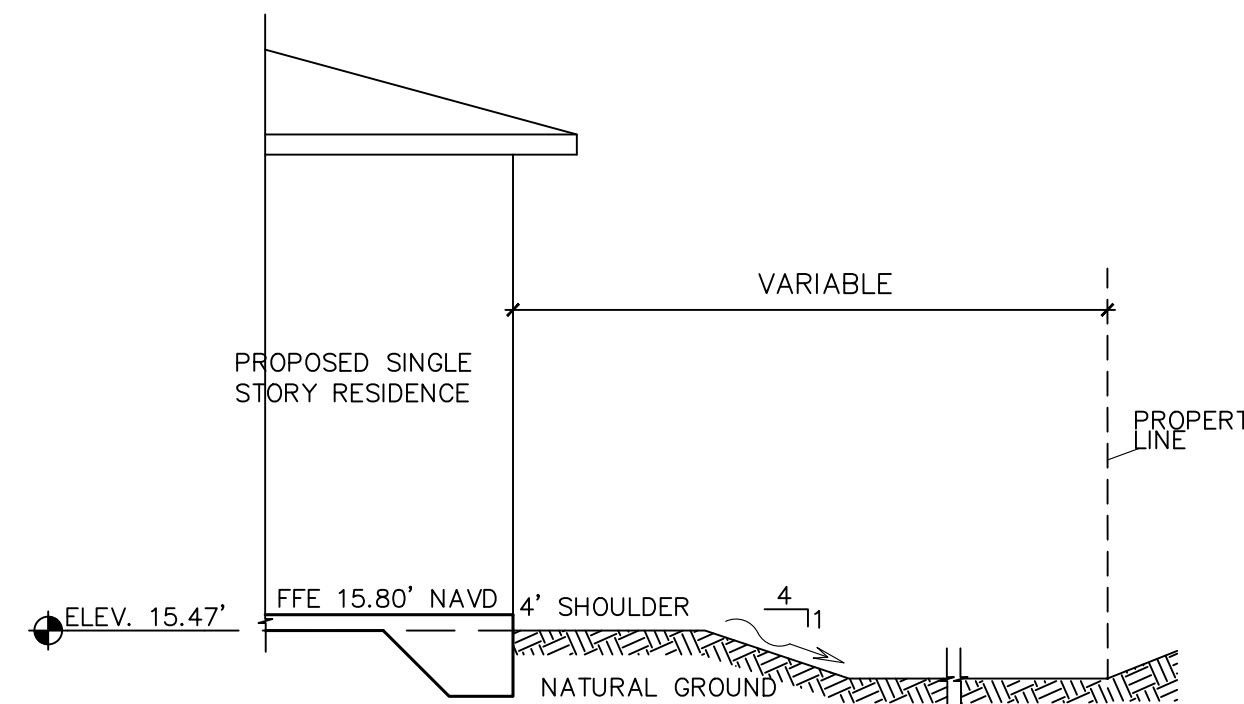
### TYPE 1 STORMWATER PLAN

SCALE 1/2" = 1'-0"

LEGEN

--- DIRECTIONAL STORMWATER FLOW

WATER MANAGEMENT	
LOT 102,000.00 SQ FT	
IMPERVIOUS AREAS	
DRIVE WAY: 3143.00 SQ FT	
RESIDENCE: 3922.00 SQ FT	
7065.00 SQ FT	
TOTAL IMPERVIOUS AREA: 7065.00 SQ FT	7.0 %
TOTAL PERVIOUS AREA: 94935.00 SQ FT	93.0 %



### SECTION

SCALE 3" = 1'-0"

1  
SW-P

**JCA ENGINEERS LLC**  
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### REVISIONS

NO.	DESCRIPTION

PROPOSED FOR: OSCAR BETANCOURT  
XXXX EVERGLADES BLVD N., NAPLES, FL 34120  
PARCEL ID: 40629240007

SHEET TITLE: TYPE 1 STORMWATER PLAN

DATE  
11-30-2022

JOB NUMBER

DRAWN BY:  
L.M.

SHEET No.  
**S-W**

SEAL

Main@SanchezEnterprise.net

**Sanchez**

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239 348 0096