

APPLICABLE CODES

BUILDING CODES:	FLORIDA BUILDING CODE,	BUILDING W/ 2023 8th EDITION
MECHANICAL CODES:	FLORIDA BUILDING CODE,	MECHANICAL W/ 2023 8th EDITION
PLUMBING CODE:	FLORIDA BUILDING CODE,	PLUMBING W/ 2023 8th EDITION
ELECTRICAL CODE:	NEC 2020	
FIRE CODE:	NFPA 101	
LIFE SAFETY CODE:	FLORIDA BUILDING CODE,	BUILDING W/ 2023 8th EDITION
ACCESSIBILITY CODE:	FLORIDA BUILDING CODE,	BUILDING W/ 2023 8th EDITION
EXISTING BUILDING CODE:	FLORIDA BUILDING CODE,	BUILDING W/ 2023 8th EDITION
RESIDENTIAL BUILDING CODE:	FLORIDA BUILDING CODE,	BUILDING W/ 2023 8th EDITION

WIND DESIGN (section 1609)

BASIC WIND SPEED	160 MPH	(FIGURE 1609)
IMPORTANCE FACTOR	11	(TABLE 1609)
EXPOSURE	B OR (CIRCLE)	SECTION (1609.1.8)
METHOD OF DESIGN	1609.2	
INTERNAL PRESSER COEFFICIENT	0.18 FOR ENCLOSED 0.55 FOR PARTIALLY ENCLOSED	
COMPONENTS AND CLADDING DESIGN PRESSURES:	ZONE 1: 17.5 -27.8 p.s.f. ZONE 2: 17.5 -58.7 p.s.f. ZONE 3: 17.5 -58.7 p.s.f. ZONE 4: 30.4 -33 p.s.f. ZONE 4: 30.4 -33 p.s.f. ZONE 5: 30.4 -40.7 p.s.f.	

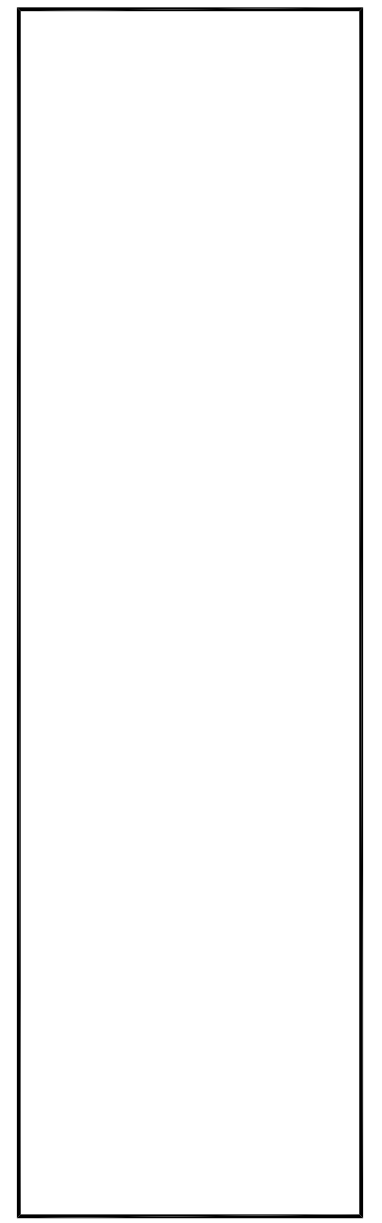
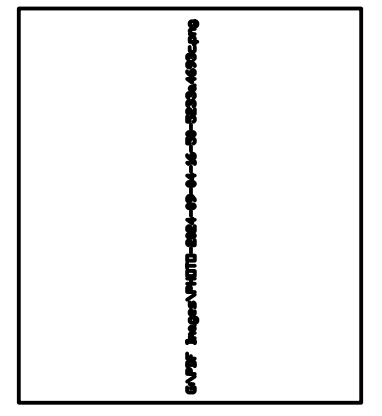


A CUSTOM HOME FOR: A.V. DESIGN & CONSTRUCTION CORP.

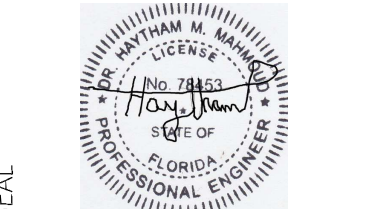
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3. REAR SIDE ELEVATION / LEFT SIDE ELEVATION
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6. ELECTRICAL FLOOR PLAN / ELECTRICAL NOTES / ELECTRICAL SYMBOLS LEGEND
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8. ROOF FLOOR PLAN / ROOF SHEATHING NAILING PATTERN
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DATE:	DESCRIPTION
11/12/24	FIXED INDEX NUMBERS G & 7 REFERENCES.
5/19/25	UPDATED SHT. 4 NOTE (BY OTHERS)



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CHECKER SEAL

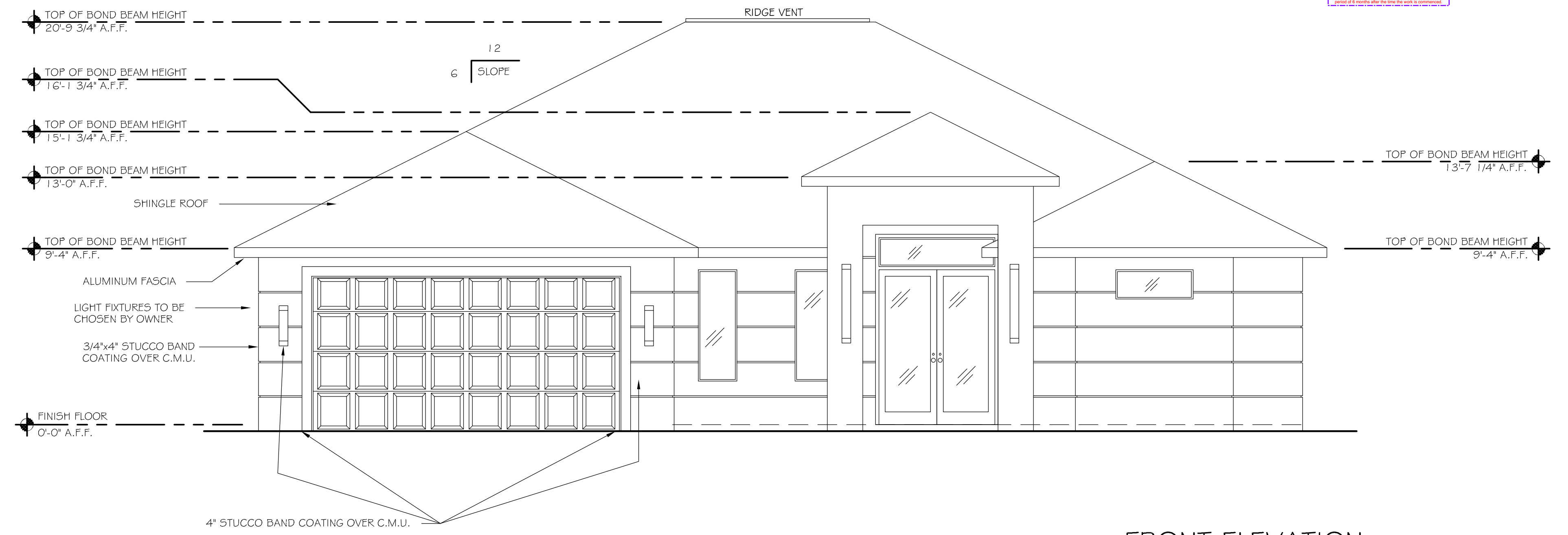
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DN: c=US, sn=Mahmoud, givenName=Haytham, email=pe.gc.3gs@gmail.com, cn=Haytham Mahmoud
Date: 2025.05.19 17:34:01 -04'00'

OWNERS:
A.V. DESIGN & CONSTRUCTION CORP.
PROJECT / LOCATION
425 SW 31ST AVE., CAPE CORAL, FL 33991
BLOCK 3944 / LOTS 16 & 17 / PG 81 / UNIT 54
LEE COUNTY STRAP #: 17-44-23-C4-03944.0160
PHONE:

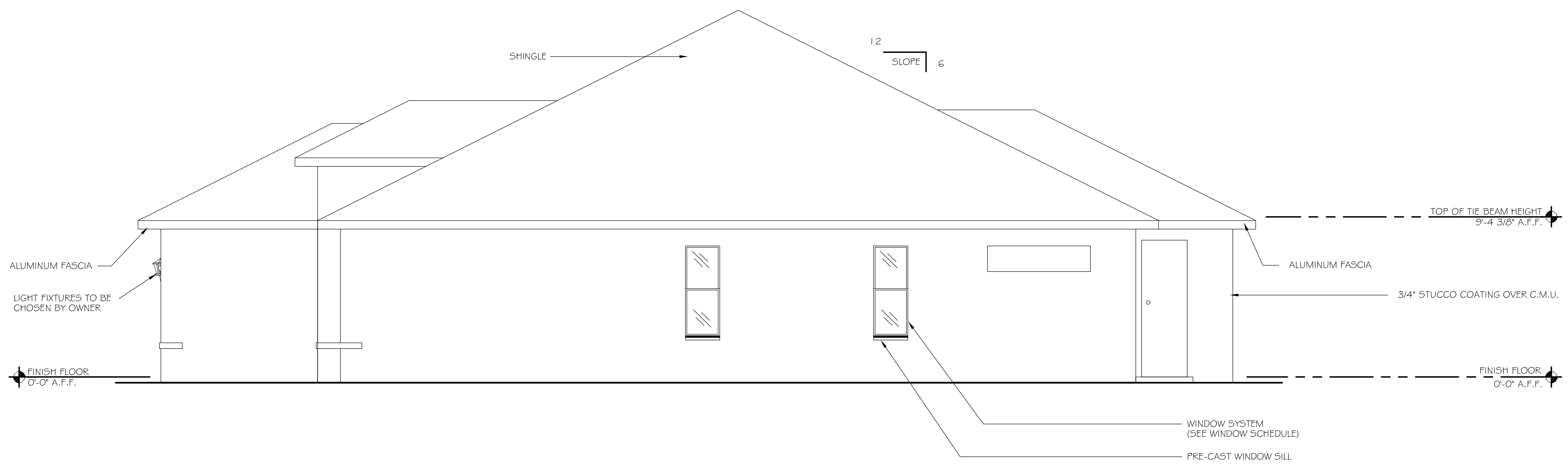
PROJECT DATA	
DATE:	8/10/2024
JOB #	6003
DRAWN BY:	SJ
CHECKED BY:	O.M.J.
PROJECT:	A.V. DESIGN CONST. NEW CONSTRUCTION

SHEET No:
1
1 OF 10

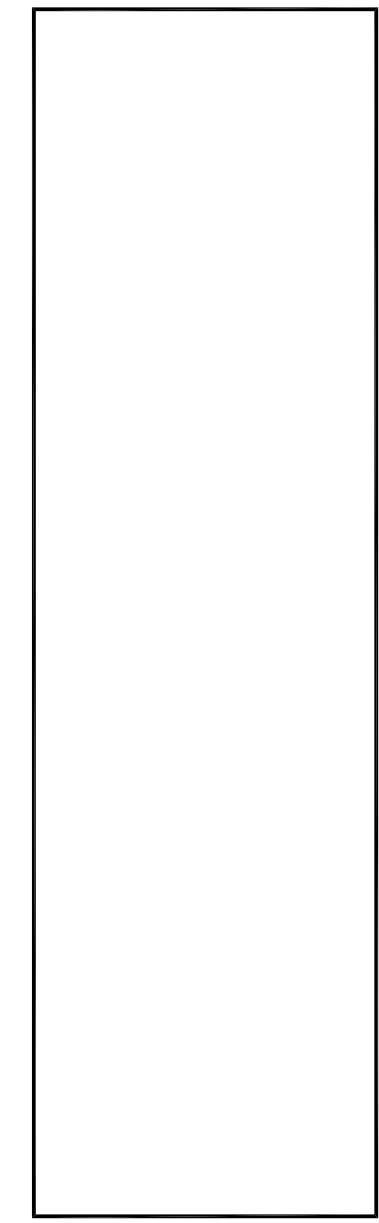
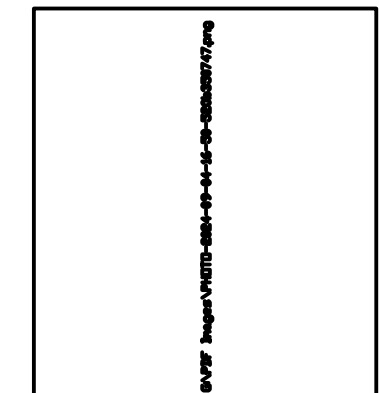
REVIEWED
 FOR CODE COMPLIANCE
 DATE: 05/19/2024
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE 2024 FLORIDA BUILDING CODE AND ALL APPLICABLE CODES. THE APPLICABLE CODES ARE LISTED BELOW.
 1. FLORIDA BUILDING CODE (FBC) 2024
 2. FLORIDA ELECTRICAL CODE (FEC) 2024
 3. FLORIDA MECHANICAL CODE (FMC) 2024
 4. FLORIDA PLUMBING CODE (FPC) 2024
 5. FLORIDA SOLENOID VALVE CODE (FSVC) 2024
 6. FLORIDA WOOD PRESERVATION CODE (FWPC) 2024
 7. FLORIDA FLOOD DAMAGE PREVENTION AND MITIGATION CODE (FFDPM) 2024
 8. FLORIDA FIRE PREVENTION CODE (FFPC) 2024
 9. FLORIDA ENERGY EFFICIENCY CODE (FEEC) 2024
 10. FLORIDA ENVIRONMENTAL CODE (FENC) 2024
 11. FLORIDA HISTORIC PRESERVATION CODE (FHPC) 2024
 12. FLORIDA LAND DISTRICT CODE (FLDC) 2024
 13. FLORIDA LAND USE CODE (FLUC) 2024
 14. FLORIDA MARINE CODE (FMC) 2024
 15. FLORIDA NATURE CONSERVATION CODE (FNCC) 2024
 16. FLORIDA PALM BEACH COUNTY CODE (PBC) 2024
 17. FLORIDA PALM BEACH COUNTY ZONING ORDINANCE (PBCZO) 2024
 18. FLORIDA PALM BEACH COUNTY SUBDIVISIONS AND LOTS ACT (PBCSOLA) 2024
 19. FLORIDA PALM BEACH COUNTY SUBDIVISIONS AND LOTS ACT REGULATIONS (PBCSOLAR) 2024
 20. FLORIDA PALM BEACH COUNTY SUBDIVISIONS AND LOTS ACT REGULATIONS (PBCSOLAR) 2024
 21. FLORIDA PALM BEACH COUNTY SUBDIVISIONS AND LOTS ACT REGULATIONS (PBCSOLAR) 2024
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 23. FLORIDA PALM BEACH COUNTY SUBDIVISIONS AND LOTS ACT REGULATIONS (PBCSOLAR) 2024
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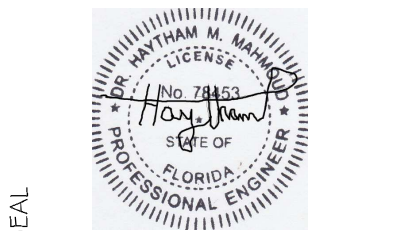
SCALE 1/4" = 1'-0" FRONT ELEVATION



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



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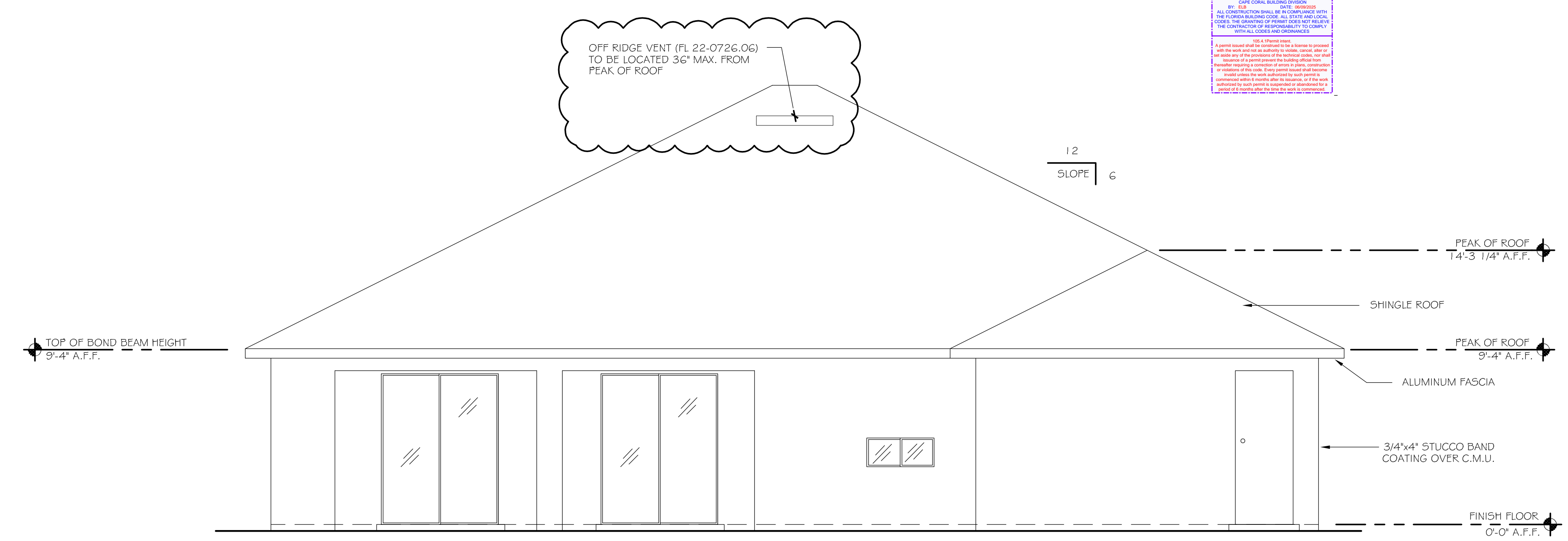
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 Date: 2025.05.19 17:34:16 -04'00'

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A.V. DESIGN & CONSTRUCTION CORP.
 PROJECT / LOCATION
 425 SW 31ST AVE, CAPE CORAL, FL 33991
 BLOCK 3944, LOTS 16 & 17 / PG. 19 / PG. 54
 LEE COUNTY STRAP #: 17-44-23-C4-0394-0160
 PHONE:

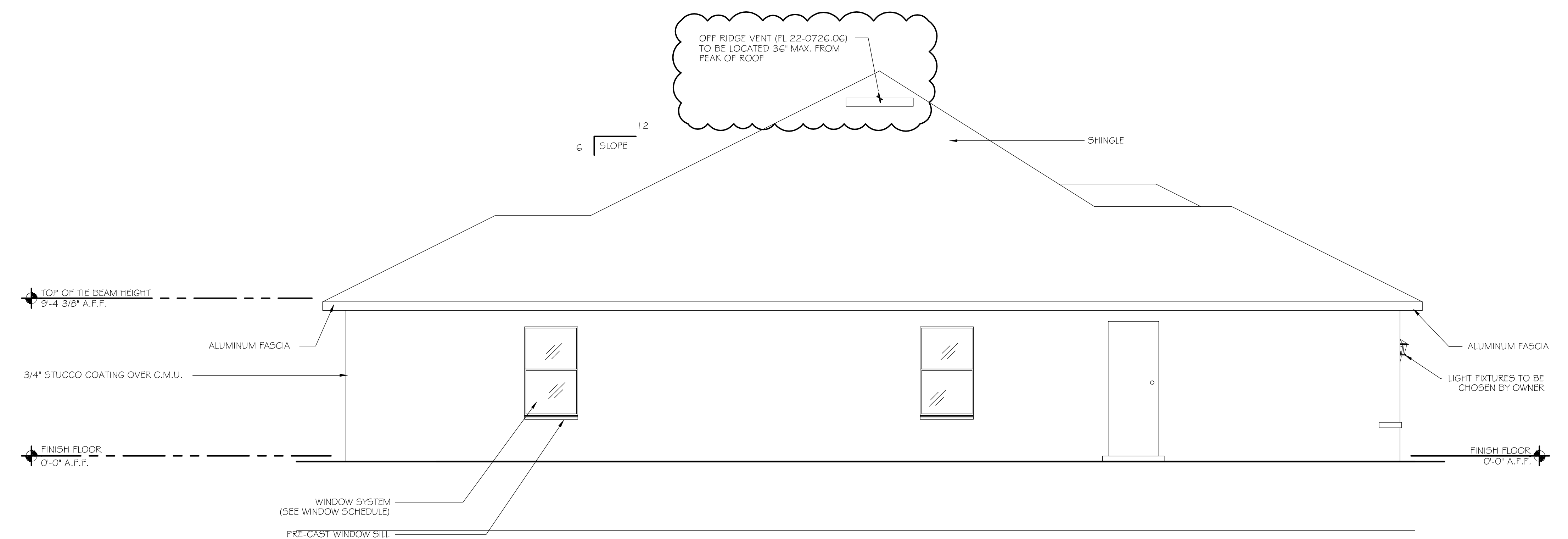
PROJECT DATA	
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DRAWN BY:	SJ
CHECKED BY:	O.M.J.
PROJECT:	A.V. DESIGN CONST. NEW CONSTRUCTION

SHEET No:
2
 2 OF 10

REVIEWED
 PROFESSIONAL ENGINEER
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, AS AMENDED, AND THE FLORIDA ELECTRICAL CODE, AS AMENDED, AND THE FLORIDA MECHANICAL CODE, AS AMENDED, AND THE FLORIDA PLUMBING CODE, AS AMENDED, AND THE FLORIDA GAS PIPING CODE, AS AMENDED, AND THE FLORIDA FLOOD DAMAGE PREVENTION AND MITIGATION ACT, AS AMENDED, AND ALL APPLICABLE LOCAL ORDINANCES.
 A PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL STRUCTURAL MEMBERS AND CONNECTIONS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL STRUCTURAL MEMBERS AND CONNECTIONS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL STRUCTURAL MEMBERS AND CONNECTIONS.

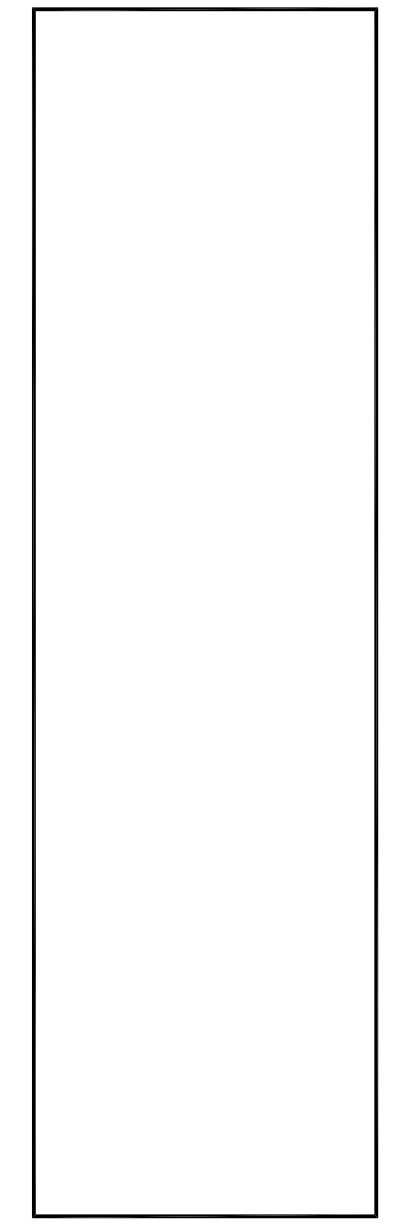
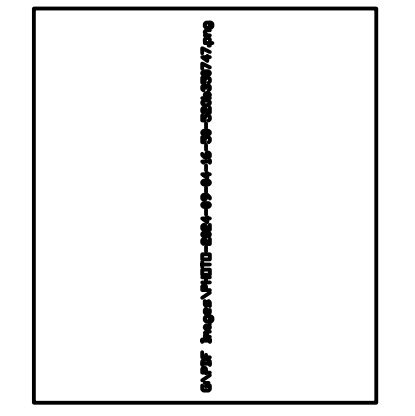


SCALE 1/4" = 1'-0" REAR ELEVATION



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

DATE	DESCRIPTION
11/1/2024	ADDED OFF RIDGE VENT ON ELEVATIONS.



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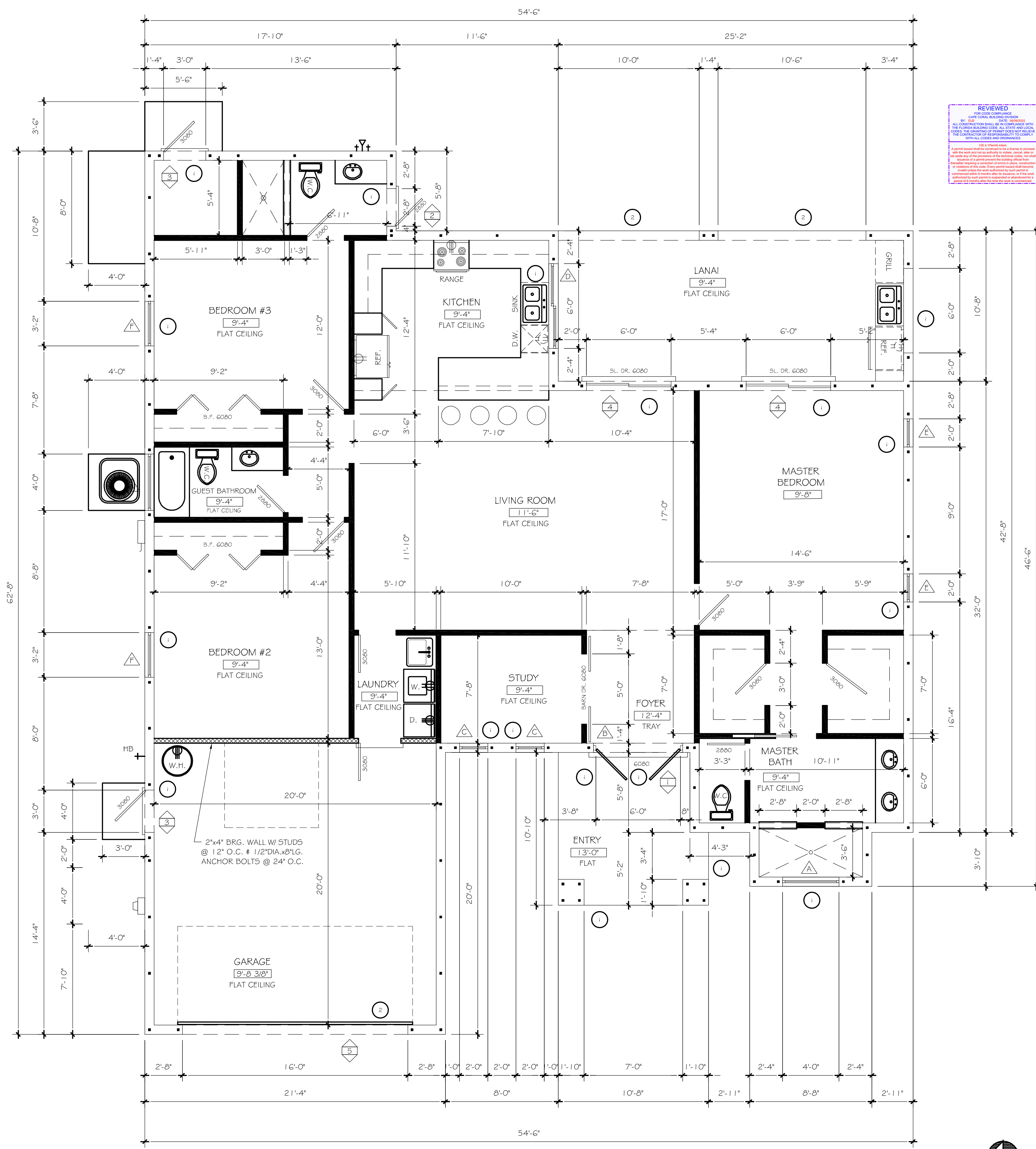


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 PHONE:

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PROJECT:	A.V. DESIGN CONST. NEW CONSTRUCTION

SHEET No:
3
 3 OF 10



DATE	DESCRIPTION
1/1/2024	1. UPDATED WINDOW & DOOR SCHEDULE. 2. UPDATED INSULATION TO R-30, R-13, & R-4.1. 3. REVISED PRODUCT APPROVAL NUMBERS.
3/7/25	UPDATED ALL ROOF N.O.A.S.

SCALE 1/4" = 1'-0" NOTED FLOOR PLAN

REVIEWED
 ALL WORK SHOWN ON THIS DRAWING HAS BEEN REVIEWED BY THE ENGINEER AND FOUND TO BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND ALL APPLICABLE REGULATIONS. THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DRAWING AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED OR THE QUALITY OF THE WORKMANSHIP OF THE CONTRACTOR. THE ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DRAWING AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED OR THE QUALITY OF THE WORKMANSHIP OF THE CONTRACTOR.

DOOR SCHEDULE

MARK	QTY	SIZE	TYPE/ DESCRIPTION	REMARKS	N.O.A.	MAX. POSITIVE PRESSURE	MAX. NEGATIVE PRESSURE
1	1	1'-3/4" x 8'-0" x 8'-0"	EXTERIOR / SOLID DOUBLE DOOR	DOUBLE DOOR	FL 42441.1	70.0	-70.0
2	1	1'-3/4" x 2'-8" x 8'-0"	EXTERIOR / SOLID WITH WINDOW	SINGLE DOOR	FL 42441.1	70.0	-70.0
3	2	1'-3/4" x 3'-0" x 8'-0"	EXTERIOR / SOLID WITH WINDOW	SINGLE DOOR	FL 42441.1	70.0	-70.0
4	2	1'-3/8" x 6'-0" x 8'-0"	EXTERIOR / GLASS / SLIDING	SPRINGS SLIDING GLASS DOOR	FL 46750.1	70.0	-70.0
5	1	1'-6'-0" x 8'-0"	EXTERIOR RAISED PANEL	GARAGE DOOR	FL 16546.8	32.0	-32.0

VALUE SERIES • GARAGE DOOR

MODEL#	PANEL STYLE	WARRANTY	INSULATION	COLOR	WINDOWS
75	TRADITIONAL	10 YEAR	NON-INSULATED	BROWN	NON-WINDOWS
84A	FLIGHT ELEGANT	25 YEAR LIFETIME	7/8" 1-3/8" 2"	SANDSTONE ALMOND WHITE	CLASSIC CLASSIC SAN-PAN-IMPACT CLASSIC IMPACT SAN-PAN

- NOTE:
 1. SLIDING GLASS DOOR SHALL BE TEMPERED GLASS.
 2. SLIDING GLASS DOOR SHALL BE CLEAR GLAZING.
 3. ALL EXTERIOR DOORS AND GARAGE DOOR SHALL BE DESIGNED FOR 160 M.P.H. WIND SPEED & DESIGN PRESSURES PER THE 2023 F.B.C.

DOOR SYMBOLS

WINDOW SCHEDULE

MK	QTY	CODES	ACTUAL WINDOW SIZE	TYPE/ DESCRIPTION	REMARKS	N.O.A.	MAX. POSITIVE PRESSURE	MAX. NEGATIVE PRESSURE
A	2	----	48" x 18"	GLAZED/ FIXED GLASS	WHITE / FLANGE	FL 4658G.1	70.0	-70.0
B	1	----	72" x 24"	GLAZED/ FIXED GLASS	WHITE / FLANGE	FL 4658G.1	70.0	-70.0
C	2	----	24" x 63"	GLAZED/ FIXED GLASS	WHITE / FLANGE	FL 4658G.1	70.0	-70.0
D	1	----	72" x 56"	GLAZED/ HORIZ. SLIDING	WHITE / FLANGE	FL 4629G.1	70.0	-70.0
E	2	----	24" x 63"	GLAZED/SINGLE HUNG	WHITE / FLANGE	FL 4630G.1	70.0	-70.0
F	2	----	38" x 63"	GLAZED/SINGLE HUNG	WHITE / FLANGE	FL 4630G.1	70.0	-70.0

- NOTE:
 1. ALL WINDOWS TO BE GRAY TINT.
 2. WINDOW TYPE "H" SHALL BE OBSCURE GLASS.
 3. WINDOWS TO RECEIVE PRE-CAST SILL.
 4. ALL WINDOWS SHALL BE DESIGNED FOR 160 M.P.H. WIND SPEED & DESIGN PRESSURES PER THE 2023 F.B.C.

WINDOW SYMBOL

- NOTE:
 ALL WINDOWS & DOORS CAN BE REPLACED W/ EQUAL OR BETTER.

ROOFING & SOFFIT N.O.A.

TYPE/ DESCRIPTION	MANUFACTURER	N.O.A.
DIMENSIONAL ASPHALT SHINGLES		FL 21-1209.01
ROOFING UNDERLAYMENT		FL 22-1221.05
VINYL SOFFIT		FL 12194-R1
ROOF VENT		FL 22-0726.06

SOFFIT TO COMPLY WITH R703.2.1.

GENERAL SYMBOLS

- WALLS SHALL HAVE STANDARD 1/2" GYPSUM BOARD TAPED AND FINISHED PER MANUFACTURER'S RECOMMENDATIONS.
- CEILINGS SHALL HAVE STANDARD 5/8" GYPSUM BOARD TAPED AND FINISHED PER MANUFACTURER'S RECOMMENDATIONS.
- SHOWERS & TUBS SHALL HAVE STANDARD 1/2" DENS SHIELD TAPED AND FINISHED PER MANUFACTURER'S RECOMMENDATIONS.
- BATH WALLS BEHIND SINKS & WATER CLOSETS AND KITCHEN WALLS BEHIND SINK & DISHWASHER SHALL HAVE 1/2" MOISTURE RESISTANT GYPSUM BOARD TAPED AND FINISHED PER MANUFACTURER'S RECOMMENDATIONS.
- ENTRY & LANAI CEILINGS SHALL HAVE STANDARD 1/2" DENSGLASS GOLD TAPED AND FINISHED PER MANUFACTURER'S RECOMMENDATIONS.

FLOOR PLAN LEGEND:

- 1/2" GYPSUM BOARD EACH SIDE OF 3 1/2" WOOD STUDS @ 16" O.C.
- PLUMBING WALL, 1/2" DENS SHIELD ON ONE SIDE OF 5 1/2" WOOD STUDS, OTHER SIDE SHALL HAVE 1/2" GYPSUM BOARD @ 16" O.C.
- 5/8" CEMENTITIOUS COATING OVER MASONRY BLOCK (CMU) WITH INTERIOR FINISH OF 1/2" REGULAR GYPSUM BOARD OVER 3/4" RIGID INSULATION CUT TIGHT BETWEEN FURRING, INTERIOR FACE OF GARAGE WALL SHALL BE A CEMENTITIOUS COATING.

INSULATION SCHEDULE

- THE ROOF INSULATION SHALL BE R-30 INSULATION.
- THE INSULATION SHALL BE INSTALLED AT THE BOTTOM CHORDS OF TRUSSES.
- THE INSULATION MATERIAL SHALL BE EQUAL TO JOHNS MANVILLE OR OWENS CORNING.
- THE EXTERIOR MASONRY WALLS SHALL BE INSULATED WITH FI-FOIL-R-4.1 INSULATION OR EQUAL.
- THE GARAGE INTERIOR BEARING WALLS SHALL BE INSULATED WITH R-13 BATT INSULATION.

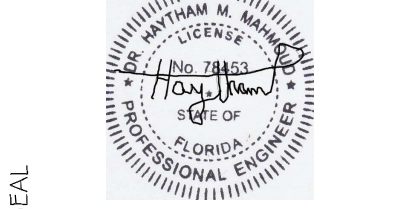
SQUARE FOOTAGE

SQUARE FOOTAGE	
GARAGE =	441
OUTDOOR STORAGE =	39
FRONT ENTRY =	107
COVERED LANIA =	269
LIVING AREA =	1,900
TOTAL UNDER ROOF =	2,756

BOND BEAM HEIGHT

- BOND BEAM ELEVATION 9'-4"
- BOND BEAM ELEVATION 12'-8 1/8"
- 1 8' 16 17/18
- 2 8' 16 27/18

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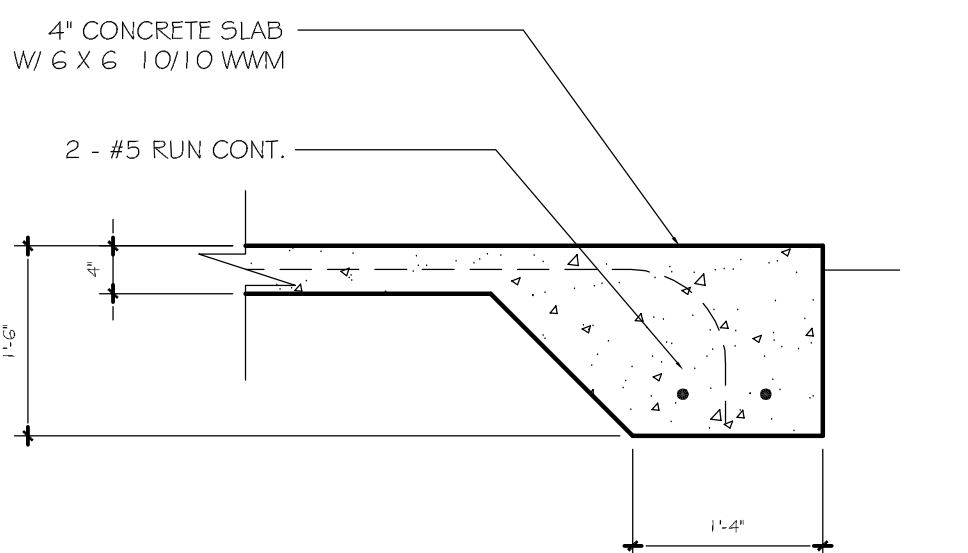


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A.V. DESIGN & CONSTRUCTION CORP.
 PROJECT / LOCATION: 425 SW 31ST AVE., CAPE CORAL, FL 33991
 BLOCK 3944, LOTS 16 & 17 / PG. 81 / UNIT 54
 LEE COUNTY STRAP #: 17-44-23-C4-0384-01-01-60
 PHONE:

PROJECT DATA
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 JOB #: 6003
 DRAWN BY: SJ
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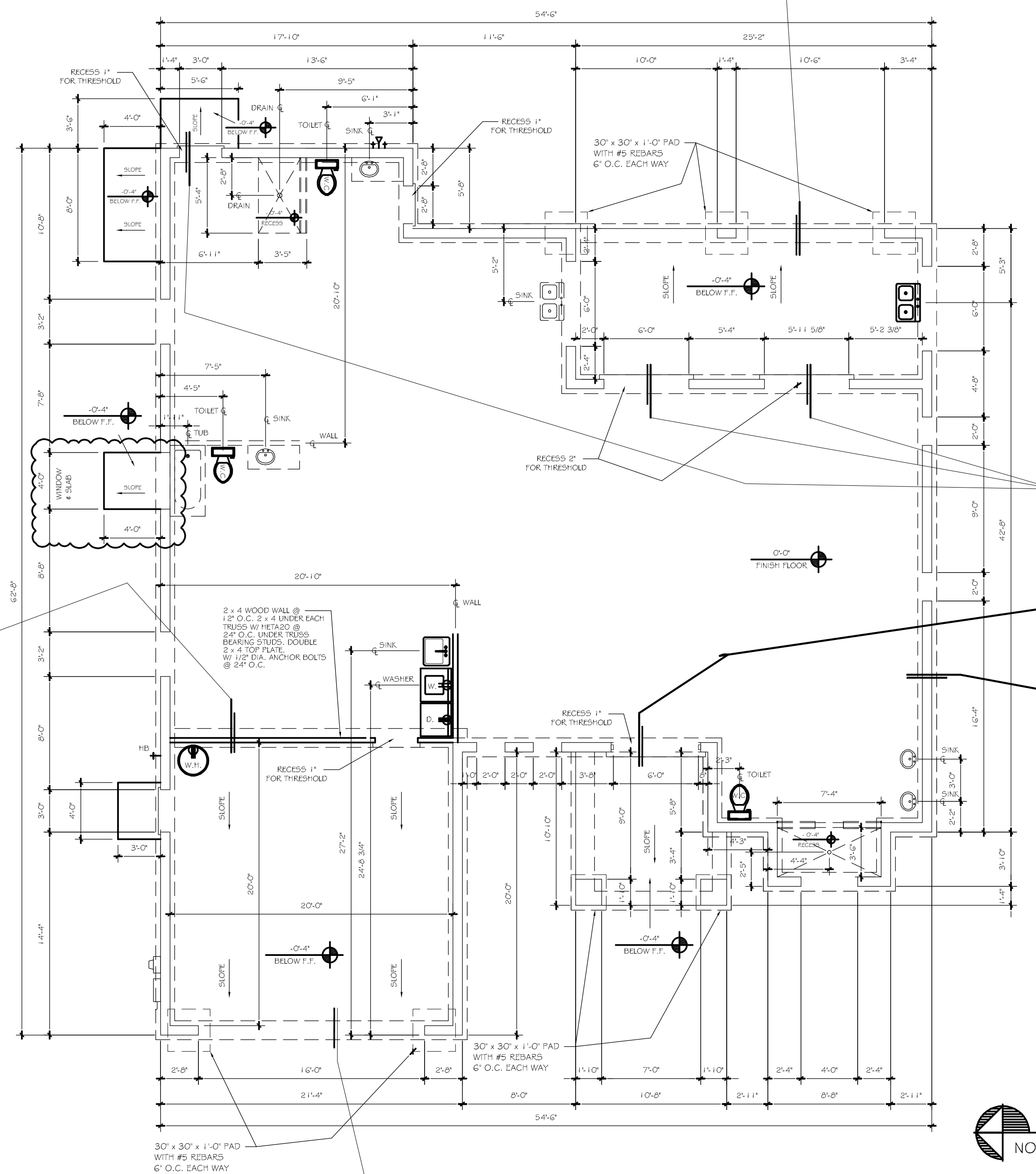
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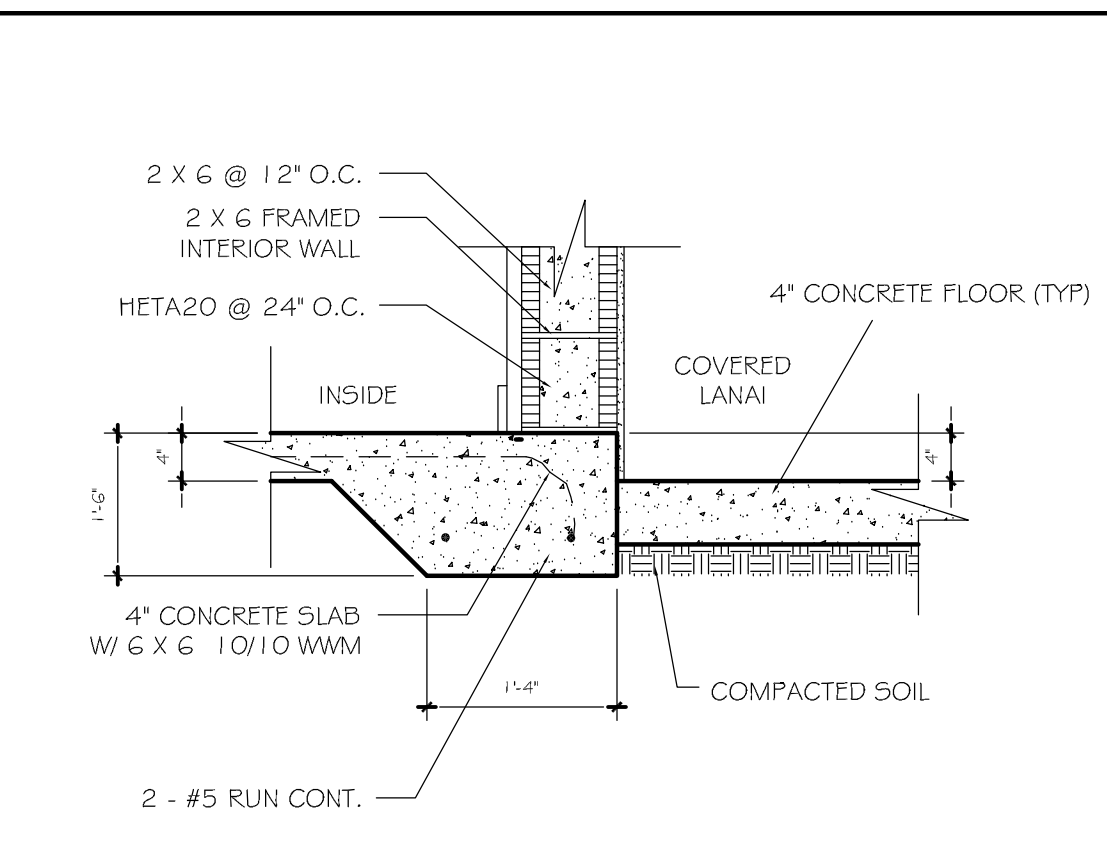
TYP. LANAI FOOTER DETAIL
SCALE 3/4" = 1'-0"

- ### FOUNDATION NOTES:
1. ALL CONCRETE TO HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: FOOTINGS, SLAB ON GRADE PERIMETER TIE BEAMS, COLUMNS, ETC. SHALL BE 3,000 P.S.I.
 2. MINIMUM LAP SPICE OF ALL REINFORCEMENT BARS SHALL BE A MINIMUM OF 25', UNLESS OTHERWISE SPECIFIED.
 3. PROVIDE CRSI APPROVED SPACERS, CHAIRS, BOLSTERS, STIRRUPS, ETC. AS REQUIRED AND NECESSARY TO ASSEMBLE, PLACE AND SUPPORT ALL REINFORCING.
 4. MASONRY WALLS SHALL BE REINFORCED WITH VERTICAL BARS AT LOCATIONS SHOWN ON FOUNDATION PLANS.
 5. ALL CONCRETE FLOOR SLABS, PLATFORMS AND WALKS SHALL BE REINFORCED WITH 6" X 6" X 10/10 WELDED WIRE MESH, LAPPED A MINIMUM OF 6" OR FIBERMESH.
 6. ALL WINDOW SILLS SHALL BE PRECAST CONCRETE. FLUSH SILLS SHALL BE USED AT HARDI-BORAD SIDING.
 7. OUTSIDE REINFORCING IN FOOTING SHALL BE CONTINUED AROUND CORNERS WITH A MINIMUM OF 25' LAP.
 8. MINIMUM CONCRETE COVER OF ALL FOUNDATION REINFORCING SHALL BE 3". ALL TIE BEAMS AND BEAMS SHALL HAVE A MINIMUM 1 - 1/2" OF COVER.
 9. HOOK ALL ANCHOR BOLTS AND VERTICAL REINFORCING UNDER HORIZONTAL FOUNDATION REINFORCING.

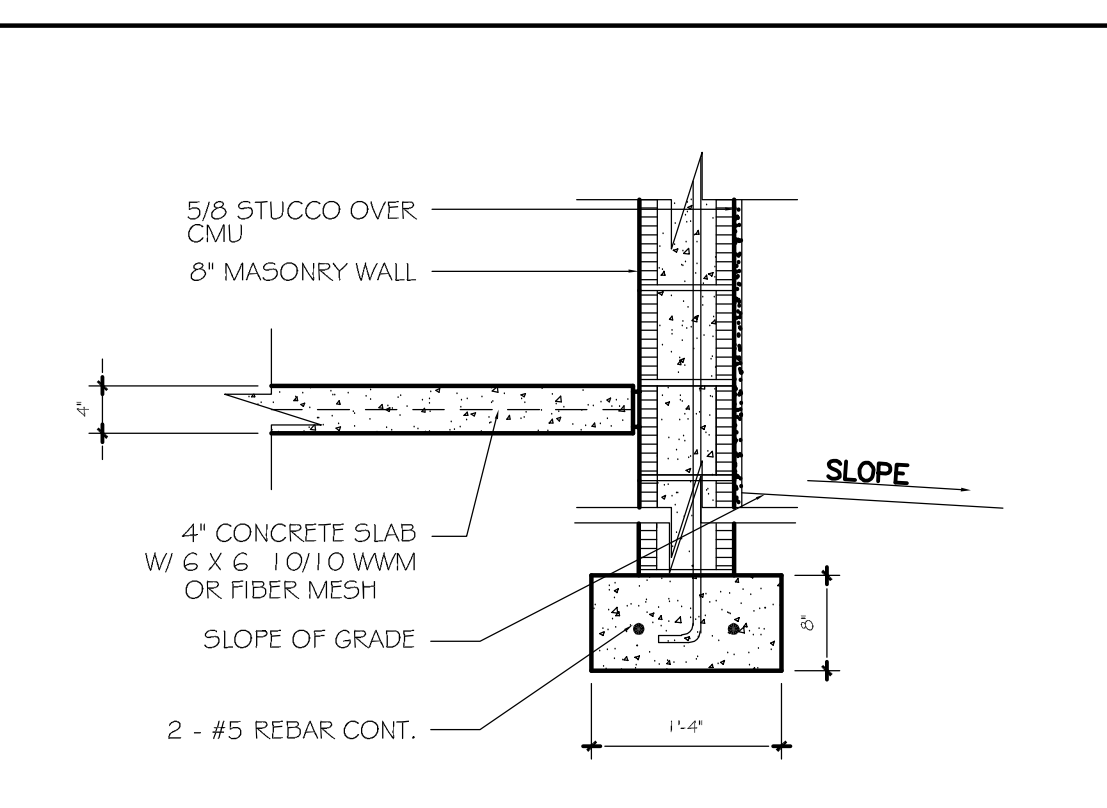
REVIEWED
FOR CODE COMPLIANCE
DATE: 05/15/2024
BY: PE HAYTHAM MAHMOUD
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC) AND ALL LOCAL ORDINANCES. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL DIMENSIONS AND MATERIALS TO BE USED.
REVISIONS:
1. 05/15/24: REVISED TO ADD 30" x 30" x 1'-0" PAD WITH #5 REBARS 6" O.C. EACH WAY.
2. 05/15/24: REVISED TO ADD 30" x 30" x 1'-0" PAD WITH #5 REBARS 6" O.C. EACH WAY.
3. 05/15/24: REVISED TO ADD 30" x 30" x 1'-0" PAD WITH #5 REBARS 6" O.C. EACH WAY.



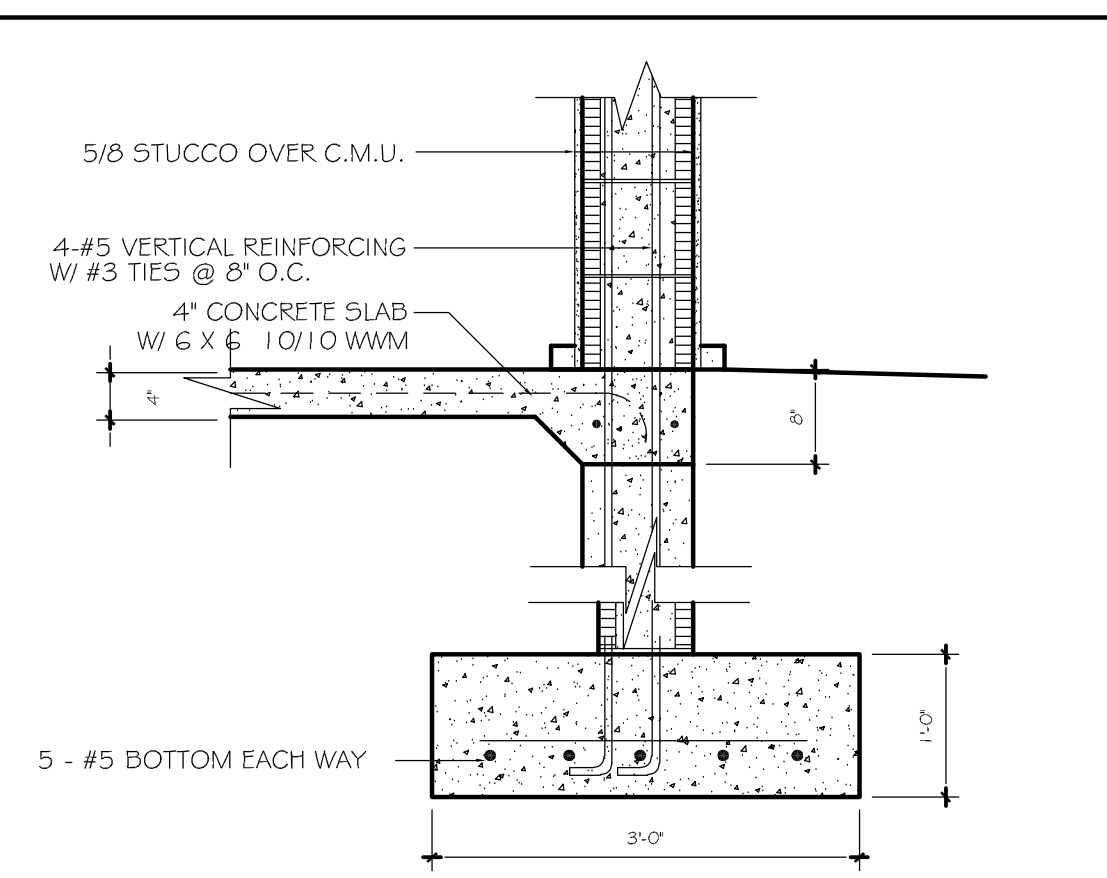
SCALE 3/16" = 1'-0" FOUNDATION PLAN



FOUNDATION DETAIL
SCALE 3/4" = 1'-0"

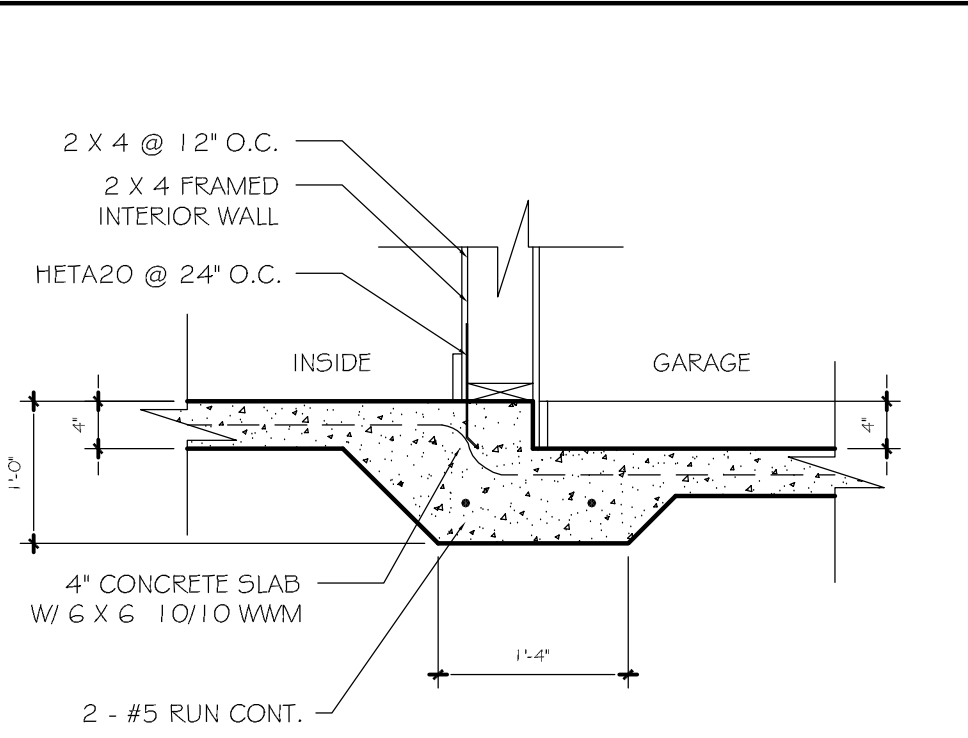


TYP. FOUNDATION DETAIL
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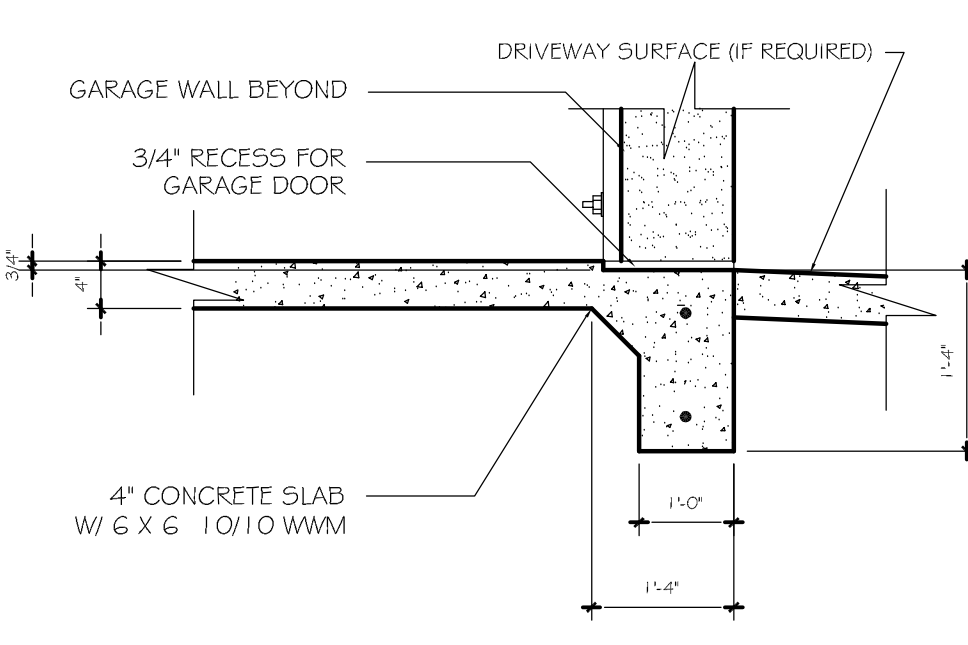


COLUMN DETAIL
SCALE 3/4" = 1'-0"

FOR OPTIONAL MONOLITHIC FOOTER SEE DETAIL S1



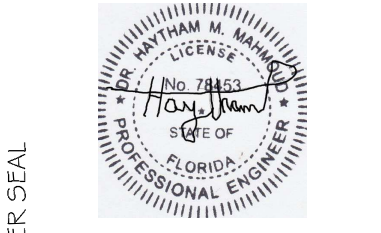
FOUNDATION DETAIL
SCALE 3/4" = 1'-0"



FOUNDATION DETAIL
SCALE 3/4" = 1'-0"

DATE	DESCRIPTION
1/1/2024	UPDATED FOOTER TO MONO. FOOTER.
12/1/2024	UPDATED FOOTER TO SIZEM. FOOTER.
5/1/2023	MOVED A.C. CONDENSER PAD.

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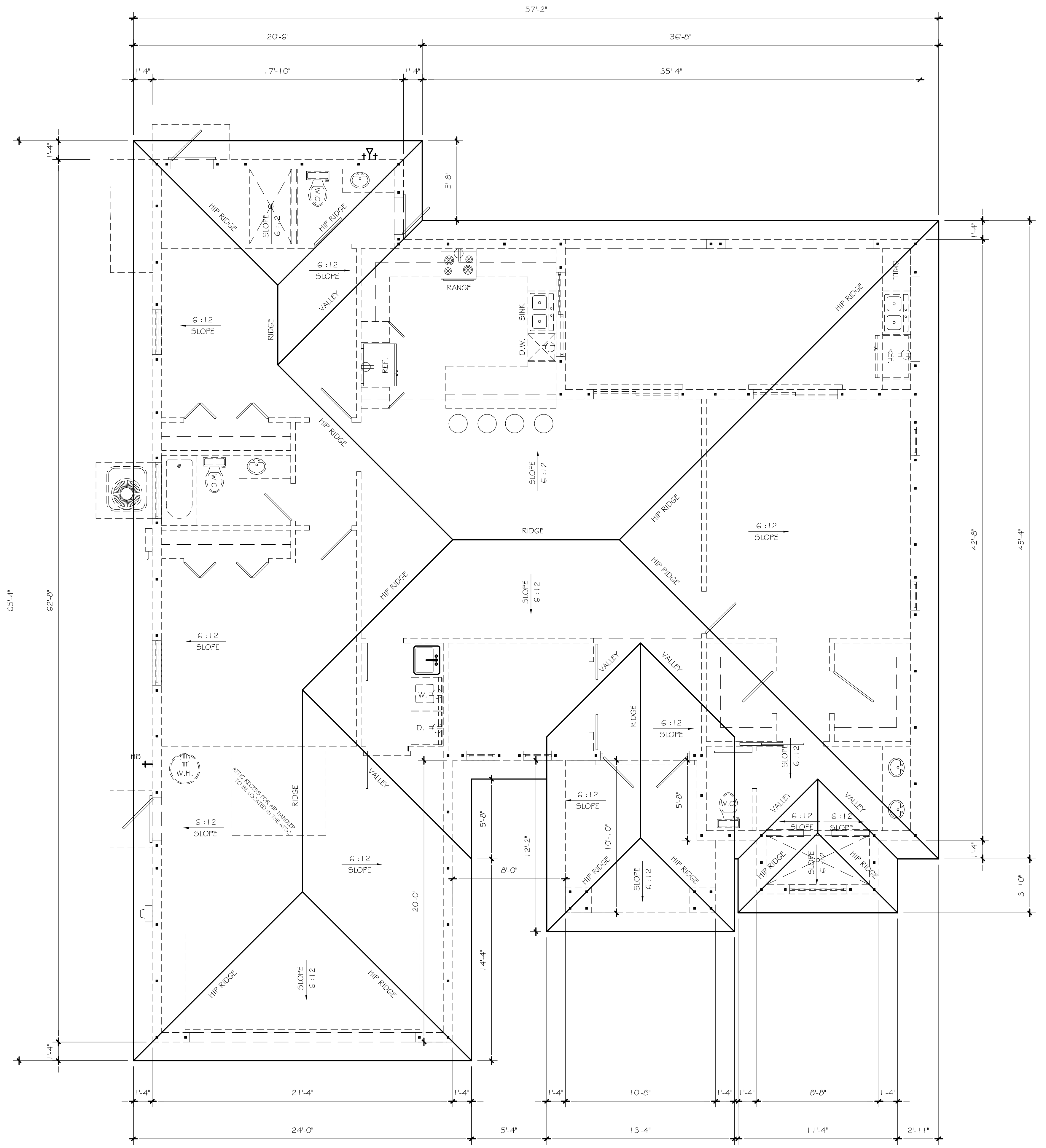
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Haytham Mahmoud
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Date: 2025.05.19 17:34:58
-04'00'

OWNERS:
A.V. DESIGN & CONSTRUCTION CORP.
PROJECT / LOCATION
425 SW 31ST AVE., CAPE CORAL, FL 33991
BLOCK 3944 / LOTS 1 & 177 / PG 8 / UNIT 54
LEE COUNTY STRAP # 17-44-23-C4-03944.0160
PHONE:

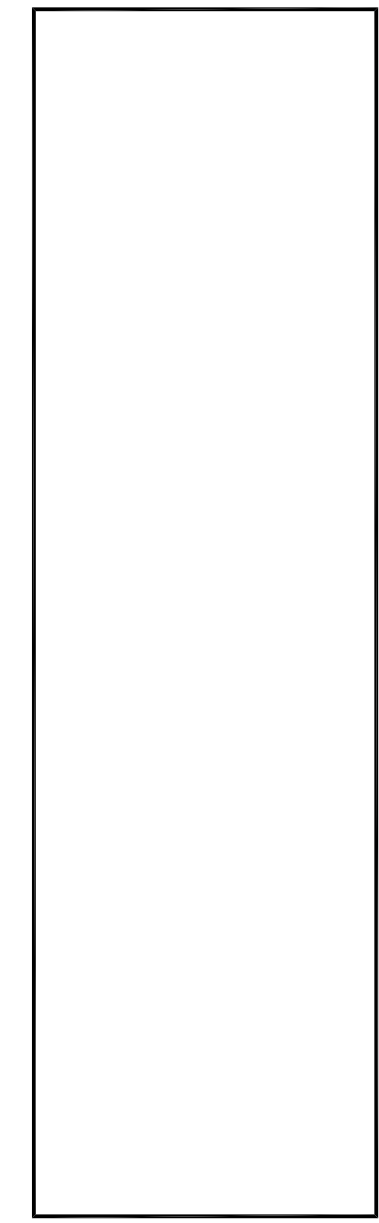
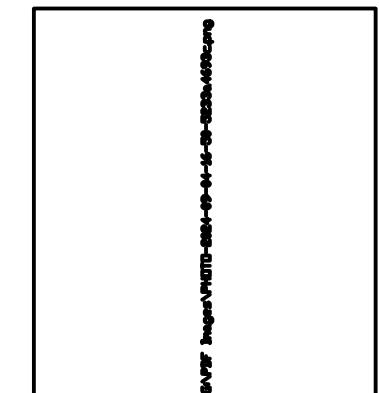
PROJECT DATA

DATE:	8/10/2024
JOB #:	6003
DRAWN BY:	SJ
CHECKED BY:	O.M.J.
PROJECT:	A.V. DESIGN CONST. NEW CONSTRUCTION

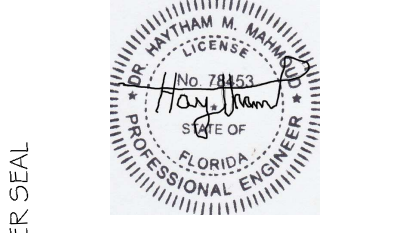
SHEET No:
7
7 OF 10



REVIEWED
 FOR DESIGNER
 ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE 2024 FLORIDA BUILDING CODE (FBC) AND THE 2024 FLORIDA ELECTRICAL CODE (FEC) UNLESS OTHERWISE SPECIFIED.
 THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL JURISDICTION.
 THIS DOCUMENT IS THE PROPERTY OF THE DESIGNER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER.
 DATE: 05/19/2025



Dr. Haytham Mahmoud, PE, CGC, CCC
 PE 78453 CGC 1524574 CCC 1329395
 239 405 5159 Pe.Gc.3Gs@gmail.com



Digitally signed by Haytham Mahmoud
 DN: c=US, sn=Mahmoud, givenName=Haytham, email=pe.gc.3gs@gmail.com, cn=Haytham Mahmoud
 Date: 2025.05.19 17:35:11 -0400

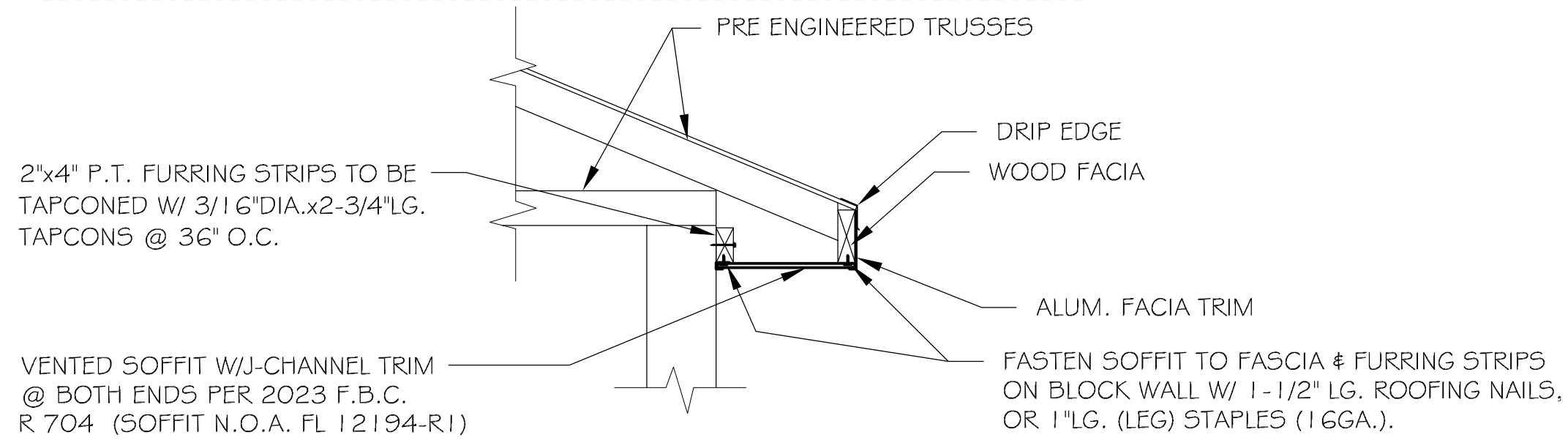
OWNERS:
A.V. DESIGN & CONSTRUCTION CORP.
 PROJECT / LOCATION
 425 SW 31ST AVE, CAPE CORAL, FL 33991
 BLOCK 3944, LOTS 16 & 17 / PG. 81 / UNIT 54
 LEE COUNTY STRAP #: 17-44-23-C4-03944.0160
 PHONE:

PROJECT DATA	
DATE:	8/10/2024
JOB #	6003
DRAWN BY:	SJ
CHECKED BY:	O.M.J.
PROJECT:	A.V. DESIGN CONST. NEW CONSTRUCTION

SHEET No:
8
 8 OF 10

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



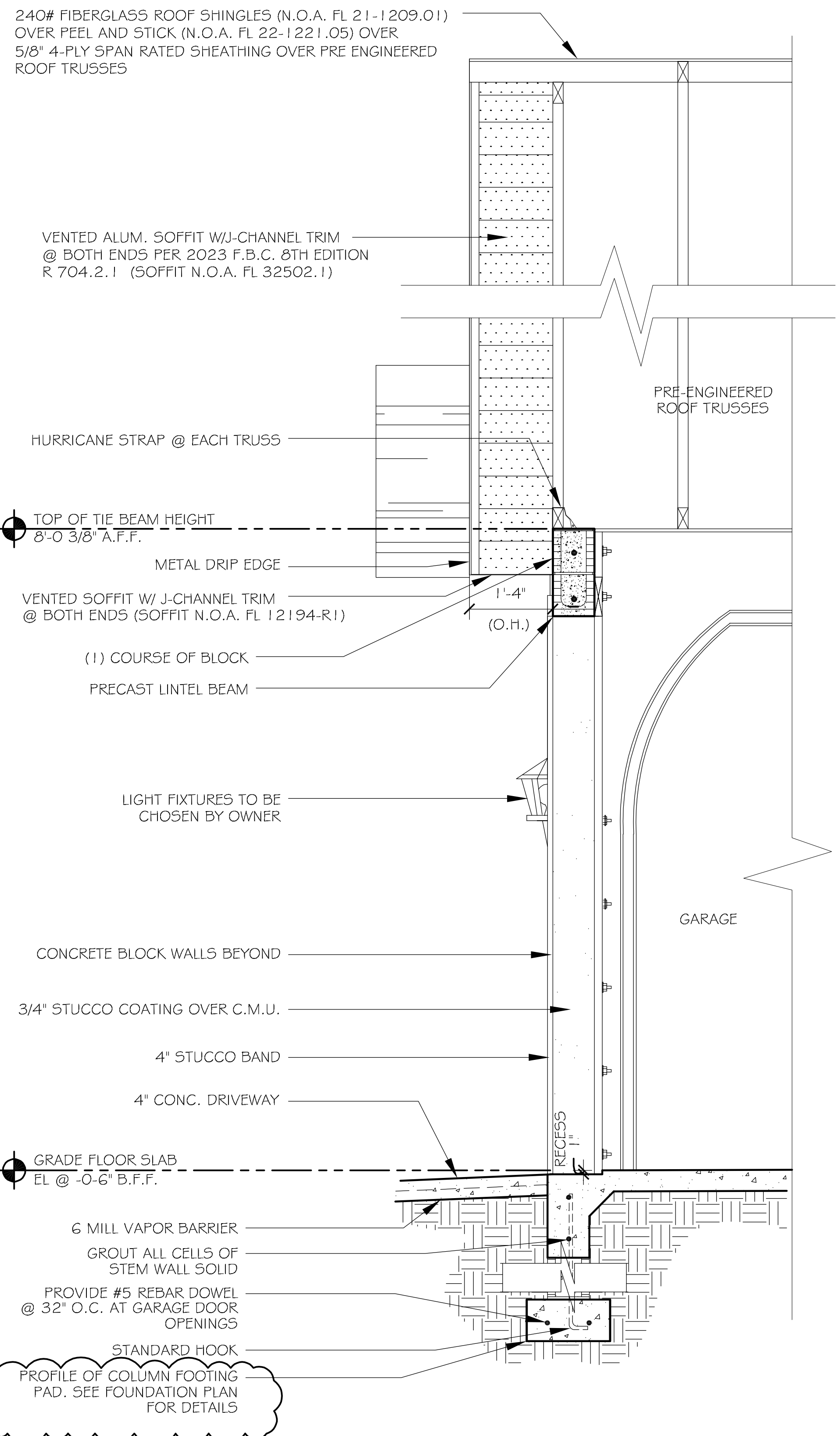


SCALE 3/4" = 1'-0" SOFFIT DETAIL

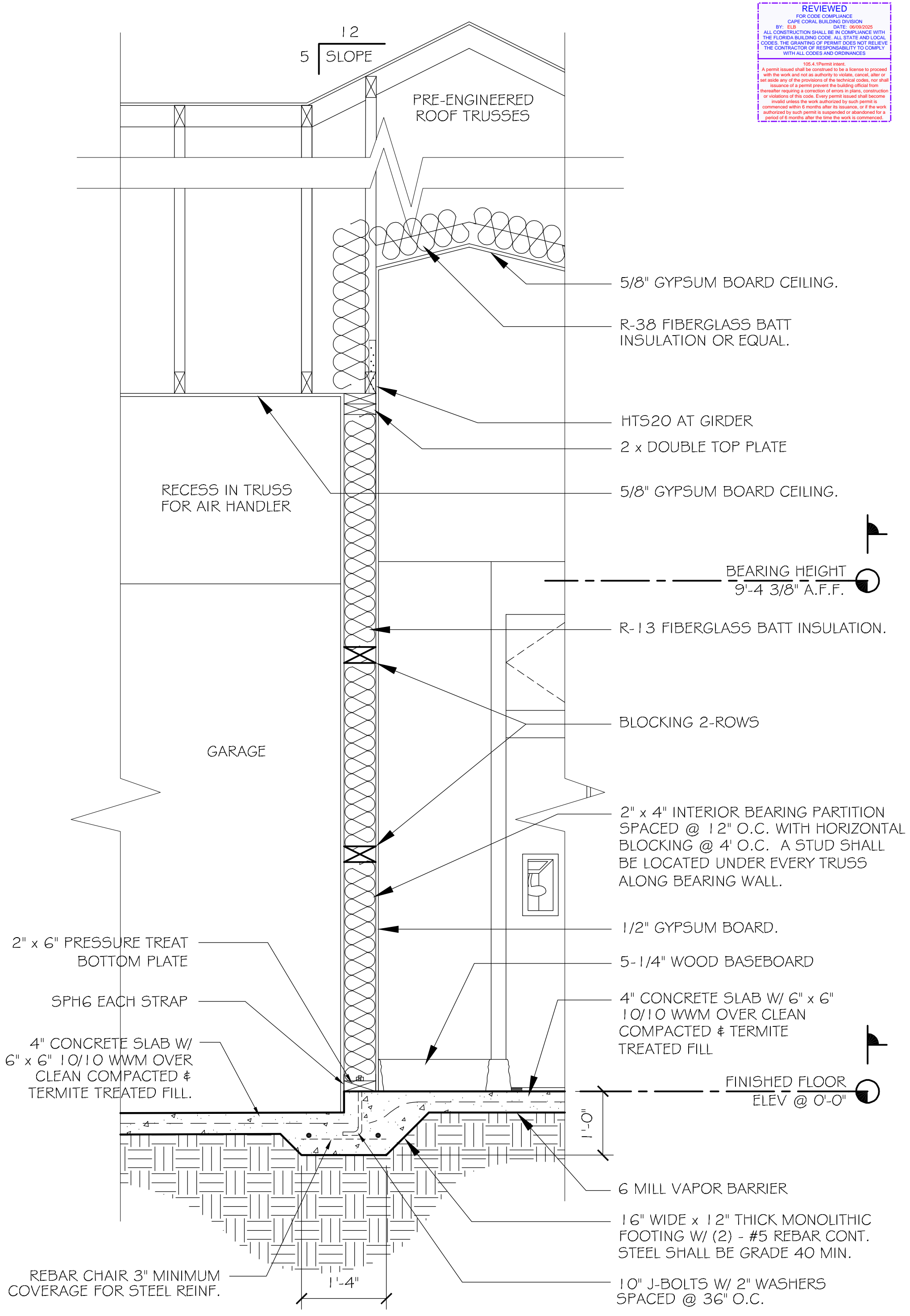
NOTE: TO COMPLY W/ F.B.C. R704.1 & R704.2

ROOF VENTILATION CALCULATION PER R806:

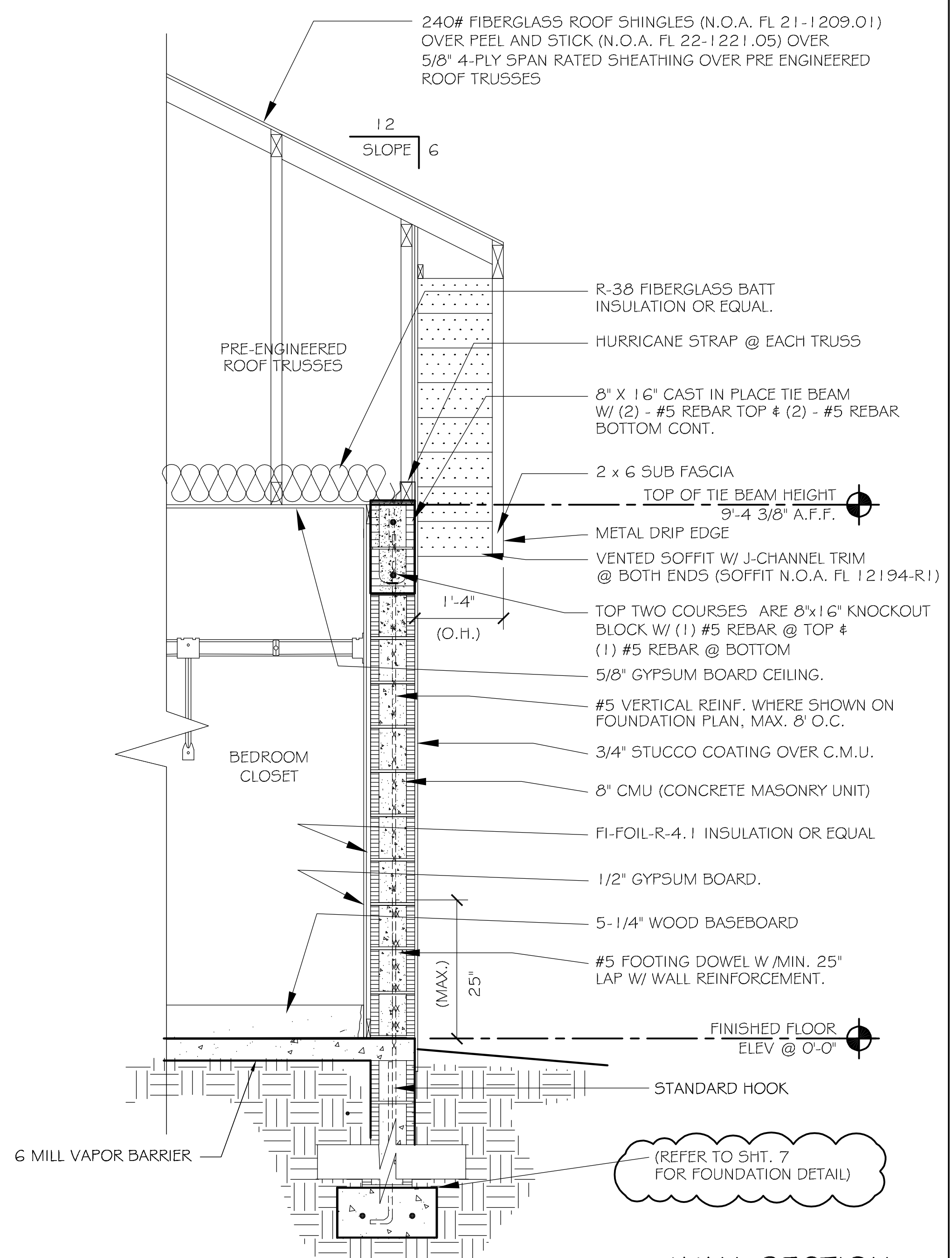
ROOF AREA: 3,554
 REQUIRED VENTILATION: 3,554 SQ.FT. / 300 = 11,847 SQ.FT.
 CONVERT TO SQ. IN.: 11,847 SQ.FT. x 144 SQ. IN. / SQ.FT. = 1,706 SQ.IN.
 PROVIDED VENTILATION: (2) OFF RIDGE VENTS @ 42"-O.L.G. x 3" WIDE = 252 SQ.IN.
 SOFFIT (PLYGEM ALUM. ENVOY 12" (TRIPLE 4") 13.2 NET FREE AREA IN² / FT²) = 4,660 SQ.IN.
 VENTILATION TOTAL = 4,912 SQ.IN.
 4,912 SQ.IN. PROVIDED > 3,413 SQ.IN. REQUIRED



SCALE 3/4" = 1'-0" TYPICAL WALL SECTION

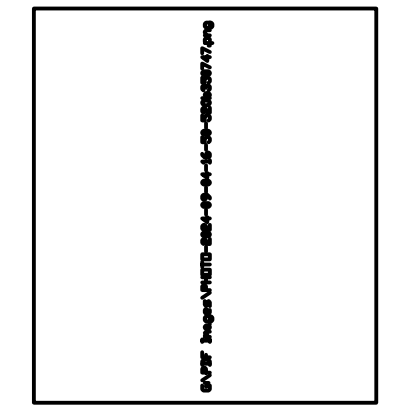


SCALE 3/4" = 1'-0" INTERIOR BEARING WALL SECTION



SCALE 3/4" = 1'-0" WALL SECTION

DATE:	DESCRIPTION
1/11/24	1. FIXED FOOTER REFERENCE SHT. NUMBER. 2. UPDATED INSULATION TO R-38, R-13, & R-4.1. 3. REVISED PRODUCT APPROVAL NUMBERS.
12/15/24	UPDATED FOOTER TO STEM WALL.



Dr. Haytham Mahmoud, PE, CGC, CCC
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 239 405 5159 Pe.Gc.3gs@gmail.com



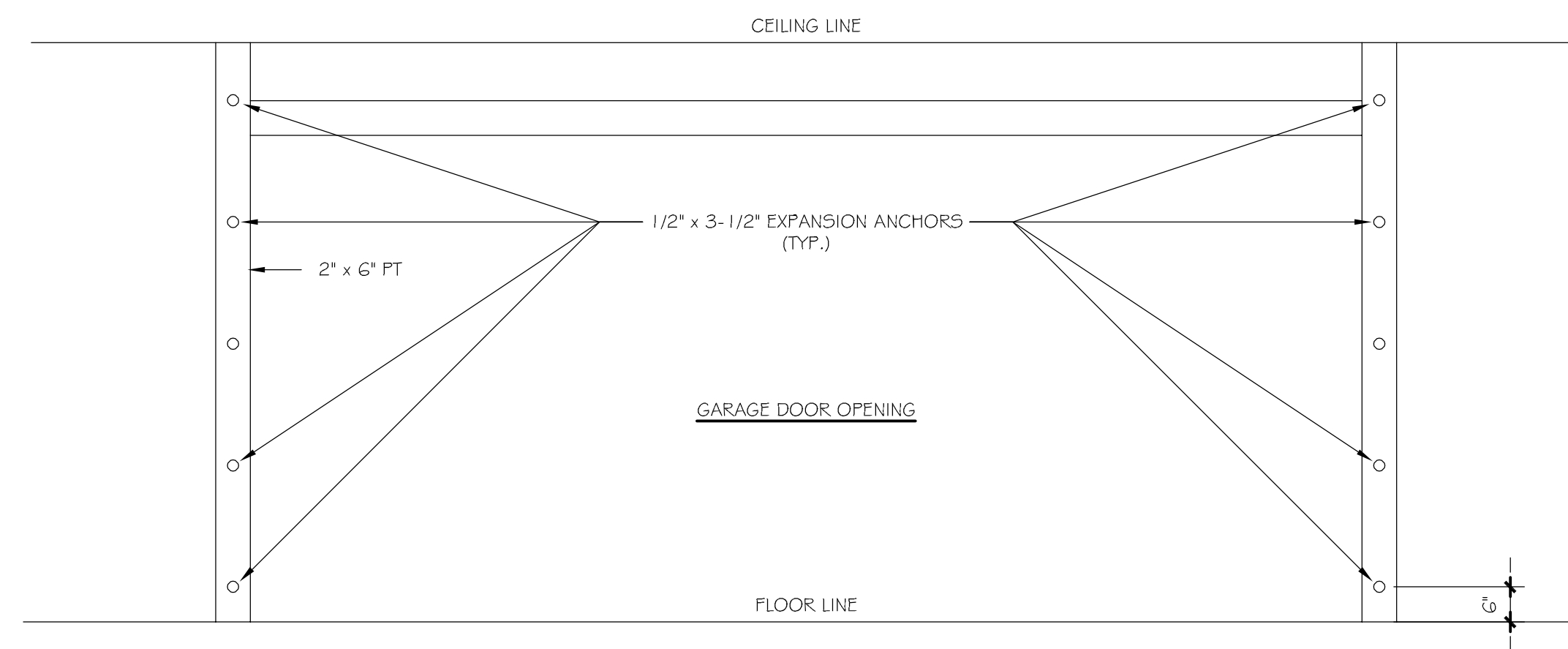
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 DN: c=US, sn=Mahmoud, givenName=Haytham, email=pe.gc.3gs@gmail.com, cn=Haytham Mahmoud
 Date: 2025.05.19 17:35:27 -0400

OWNERS:
A.V. DESIGN & CONSTRUCTION CORP.
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 425 SW 31ST AVE., CAPE CORAL, FL 33991
 BLOCK 3944, LOTS 16 & 17 / PG. 81 / UNIT 54
 LEE COUNTY STRAP #: 17-44-23-04-03944.0160
 PHONE:

PROJECT DATA

DATE:	8/10/2024
JOB #	6003
DRAWN BY:	SJ
CHECKED BY:	O.M.J.
PROJECT:	A.V. DESIGN CONST. NEW CONSTRUCTION

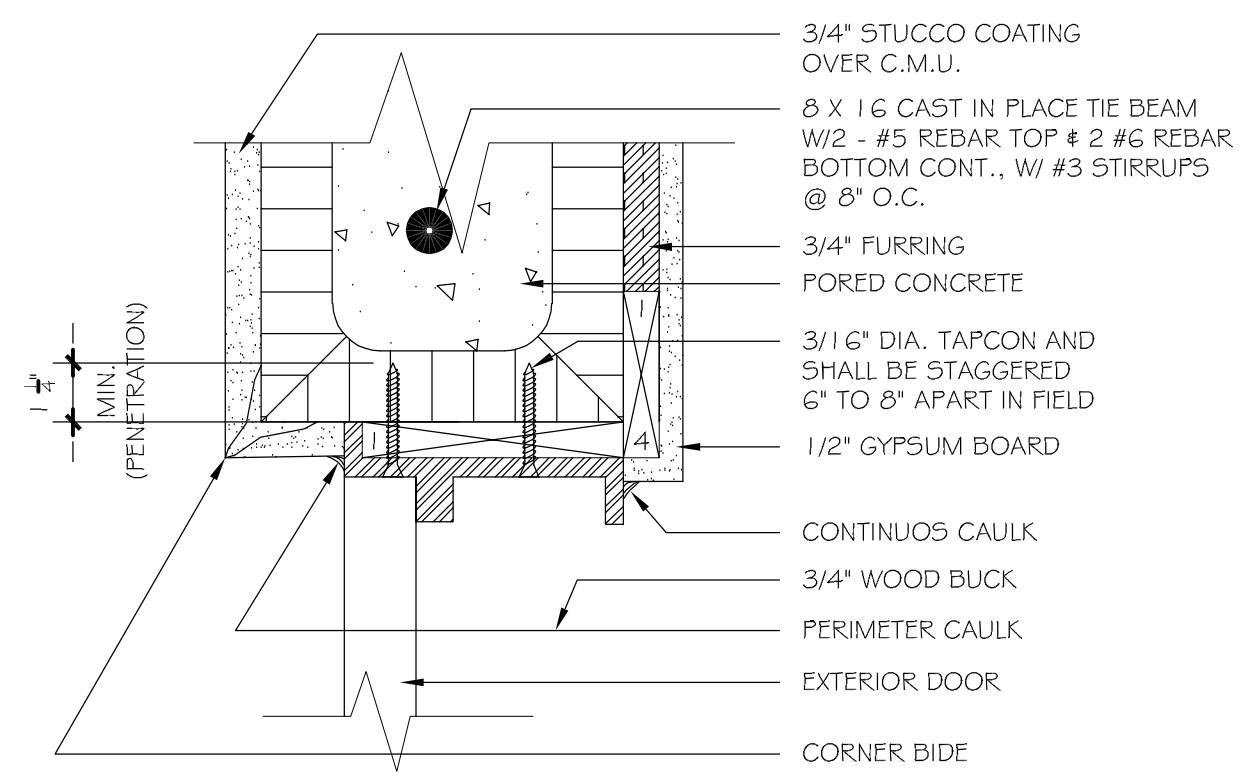
SHEET No:
9
 9 OF 10



REVIEWED
 ARCHITECTURAL
 DATE: 08/10/2024
 BY: [Signature]
 FOR THE ARCHITECT: [Signature]
 FOR THE ENGINEER: [Signature]
 FOR THE CONTRACTOR: [Signature]

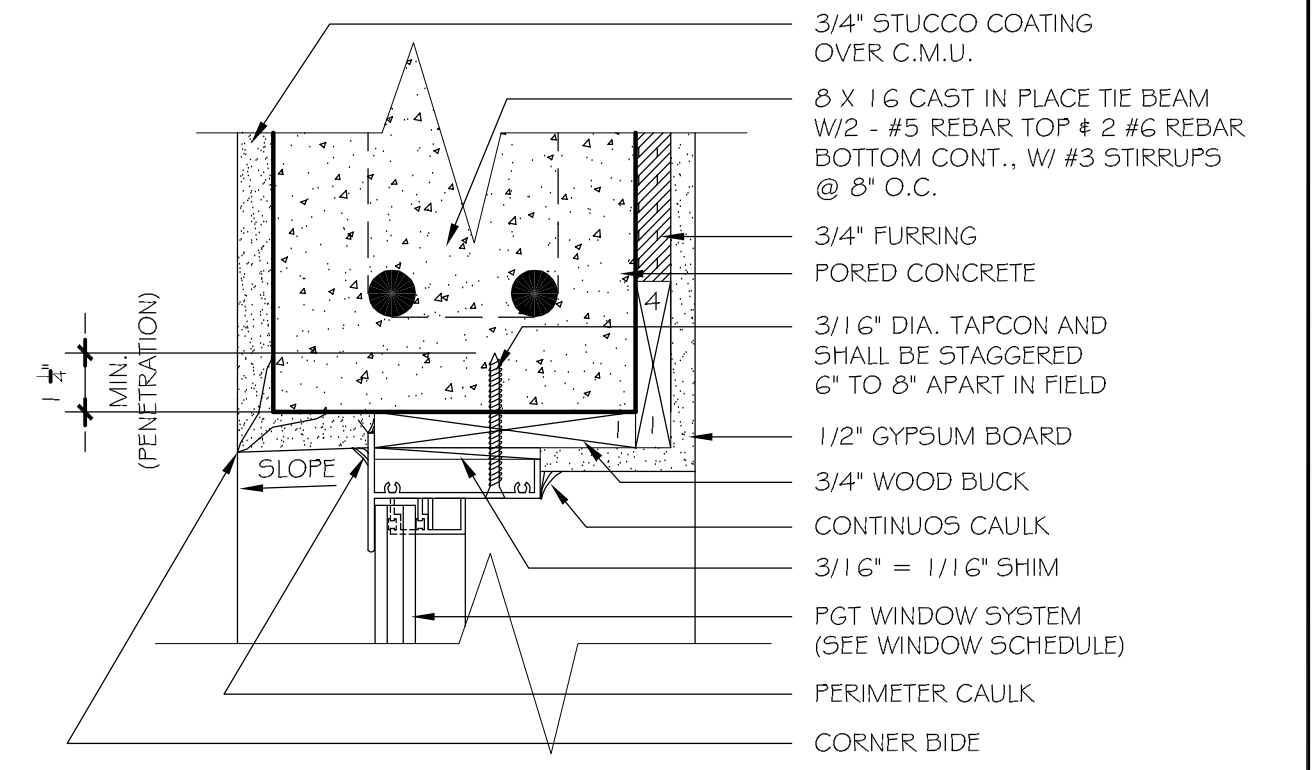
SCALE 3" = 1'-0"

GARAGE DOOR BUCK CONFIGURATION



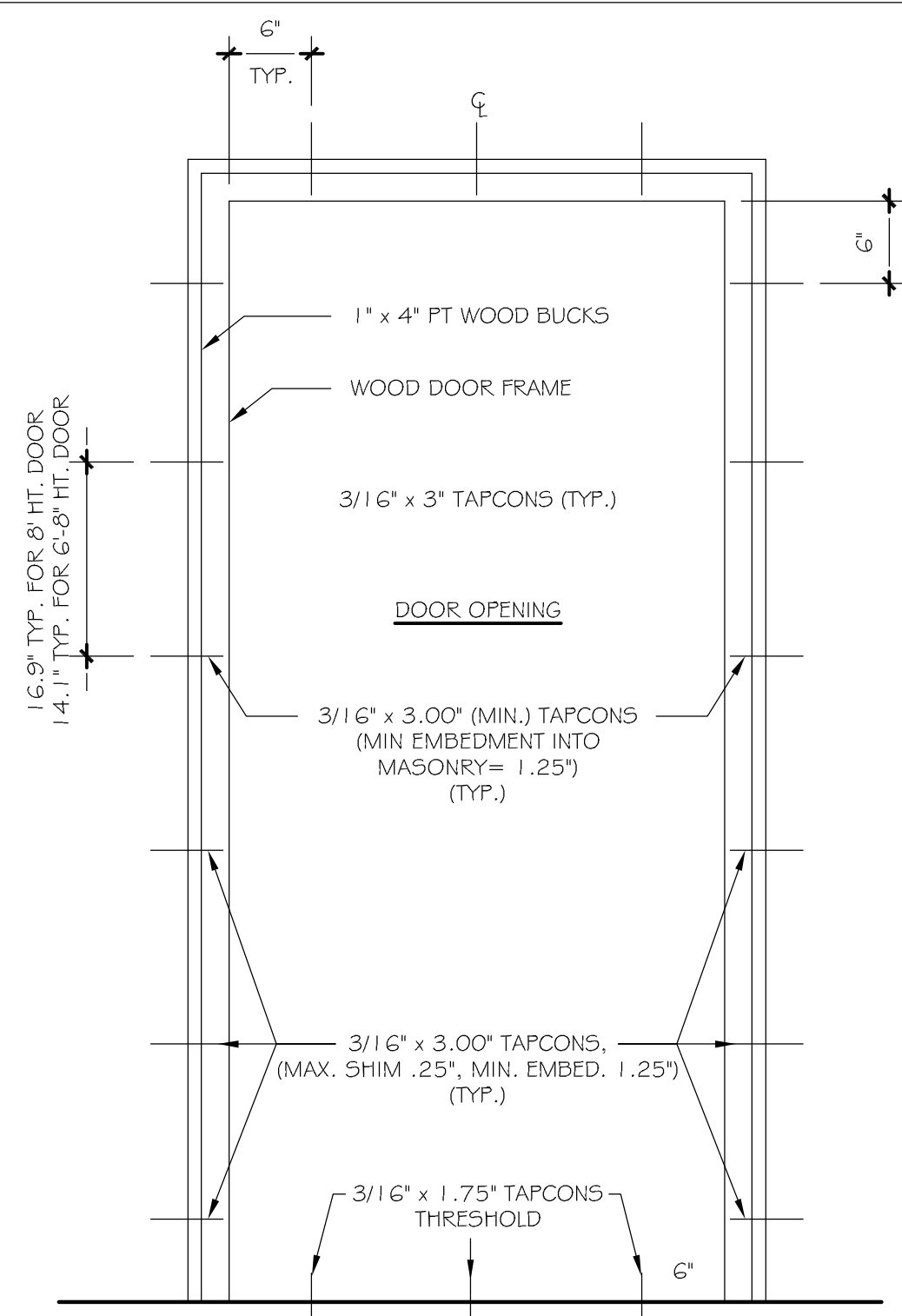
SCALE 3" = 1'-0"

DOOR HEAD DETAIL



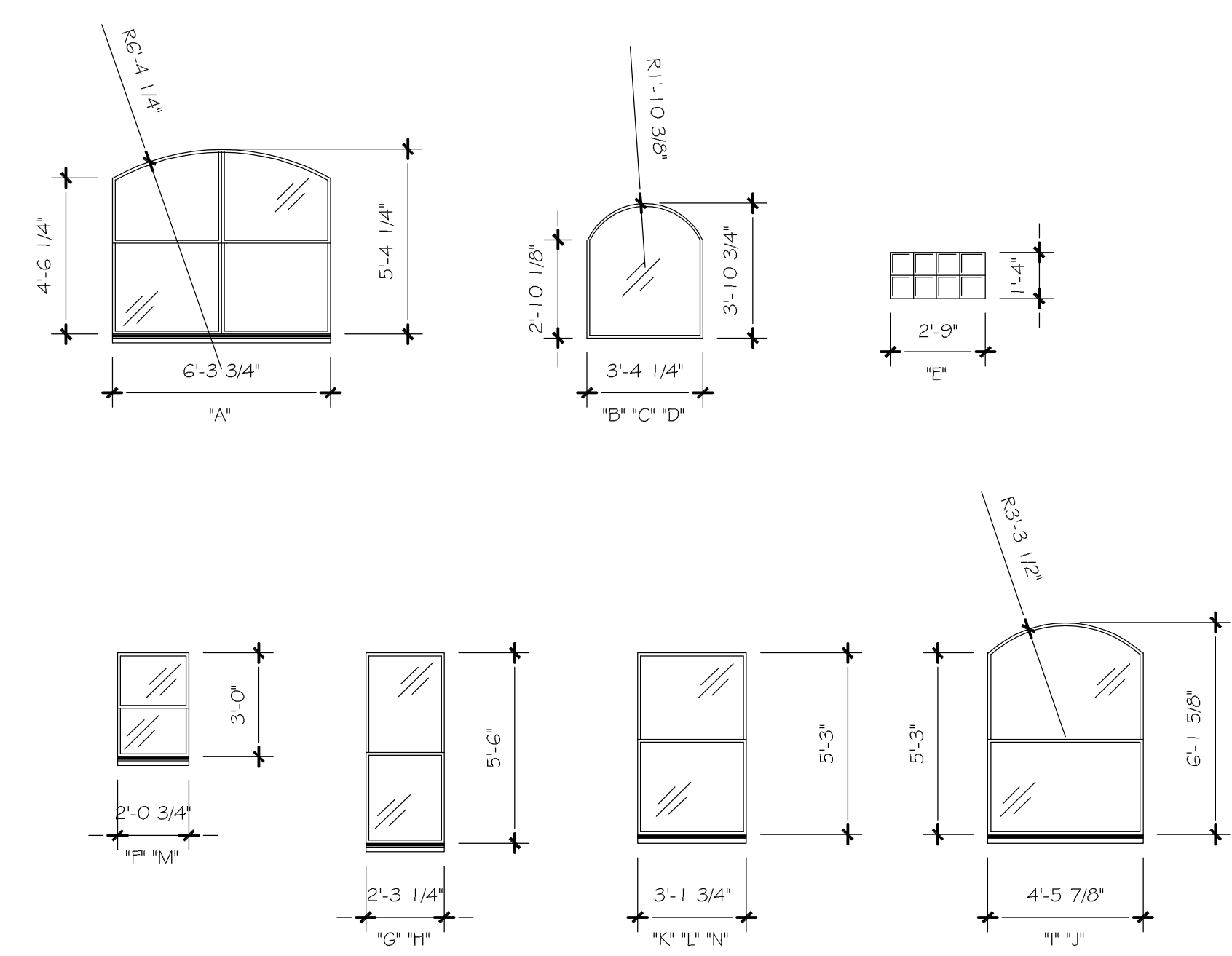
SCALE 3" = 1'-0"

WINDOW HEAD DETAIL



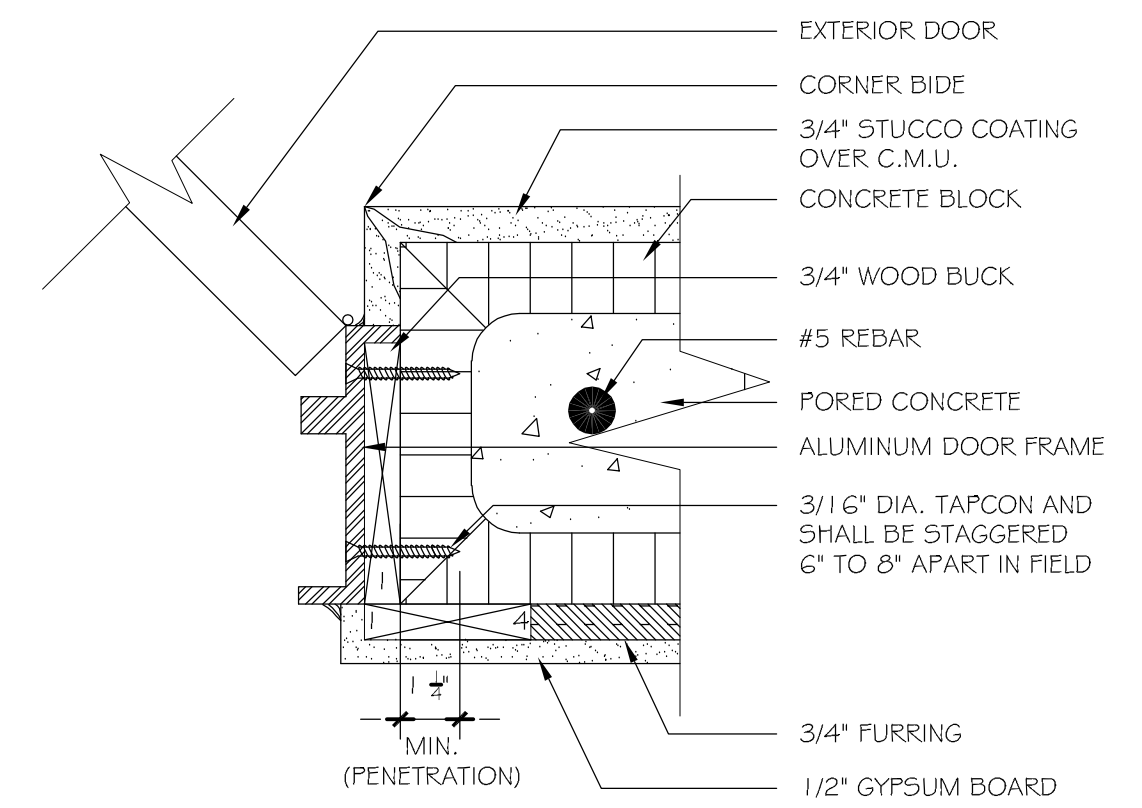
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DOOR BUCK CONFIGURATION



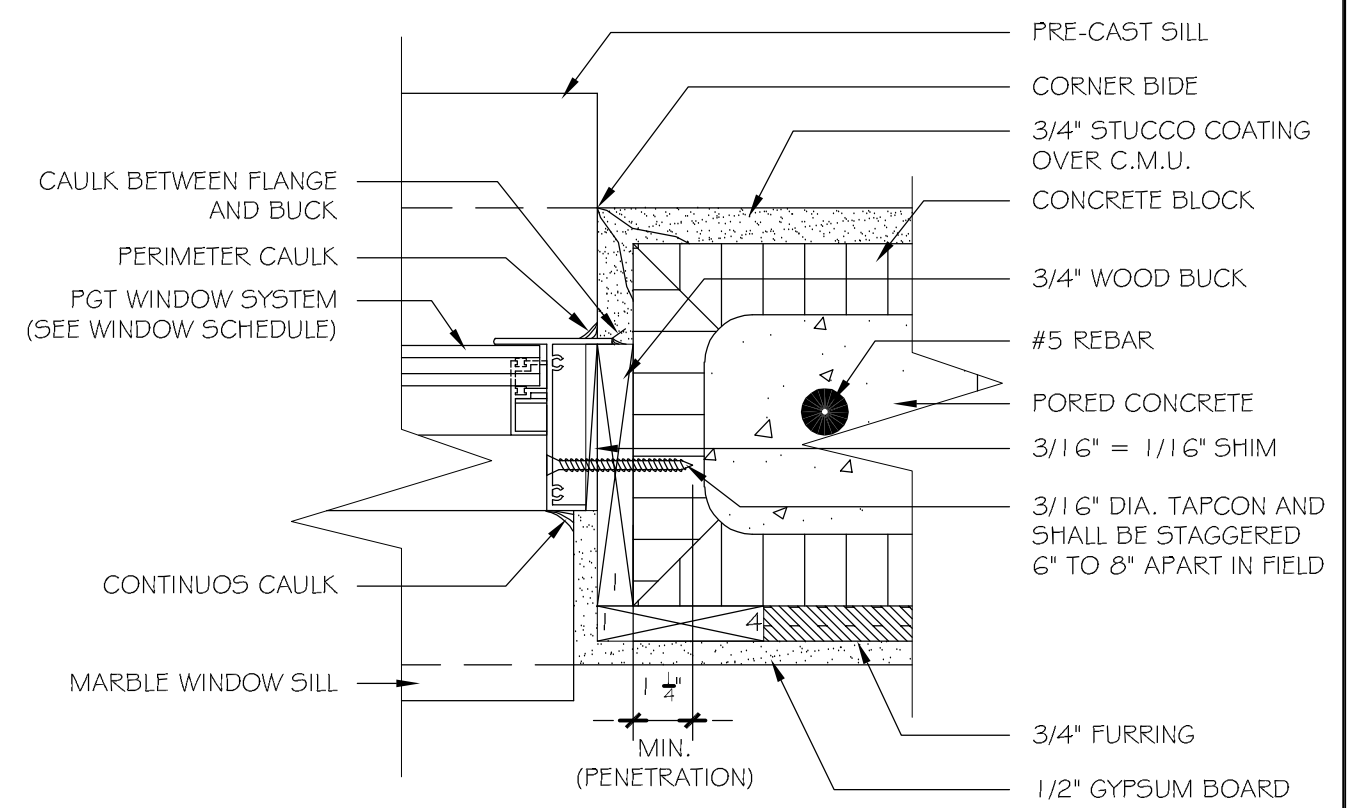
SCALE 3" = 1'-0"

WINDOW ELEVATIONS



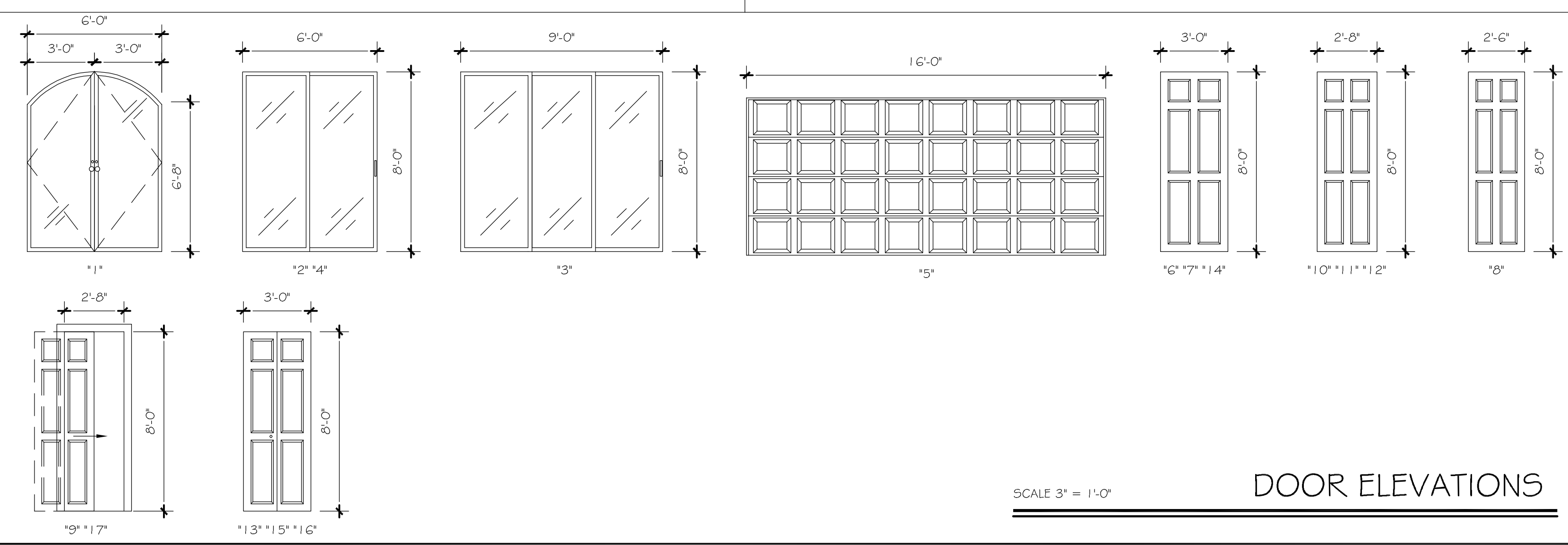
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DOOR JAMB DETAIL



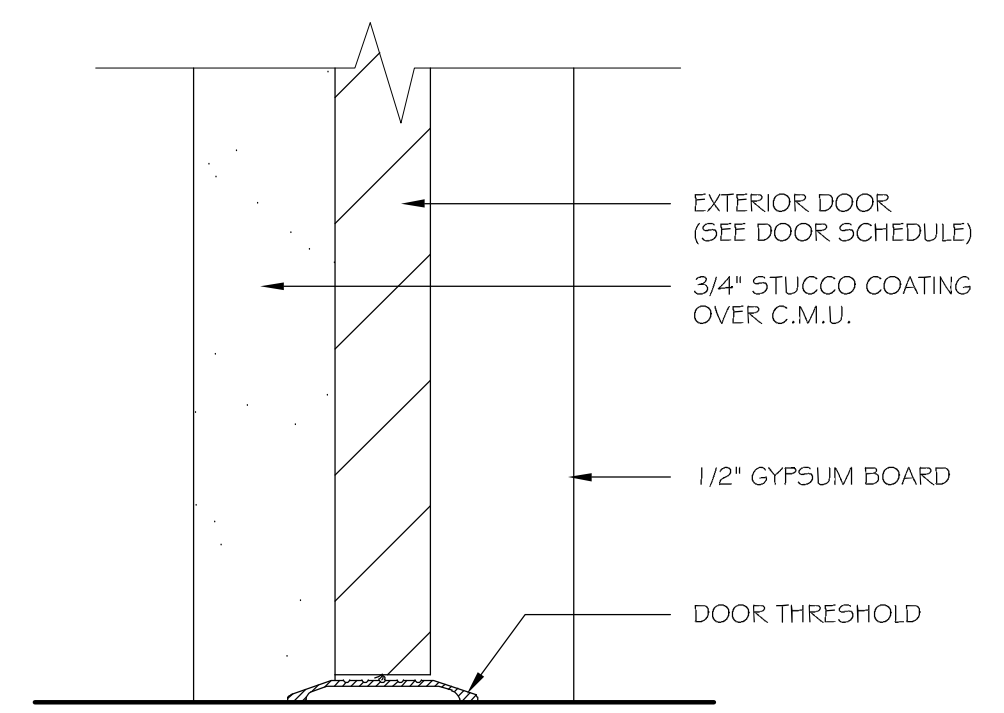
SCALE 3" = 1'-0"

WINDOW JAMB DETAIL



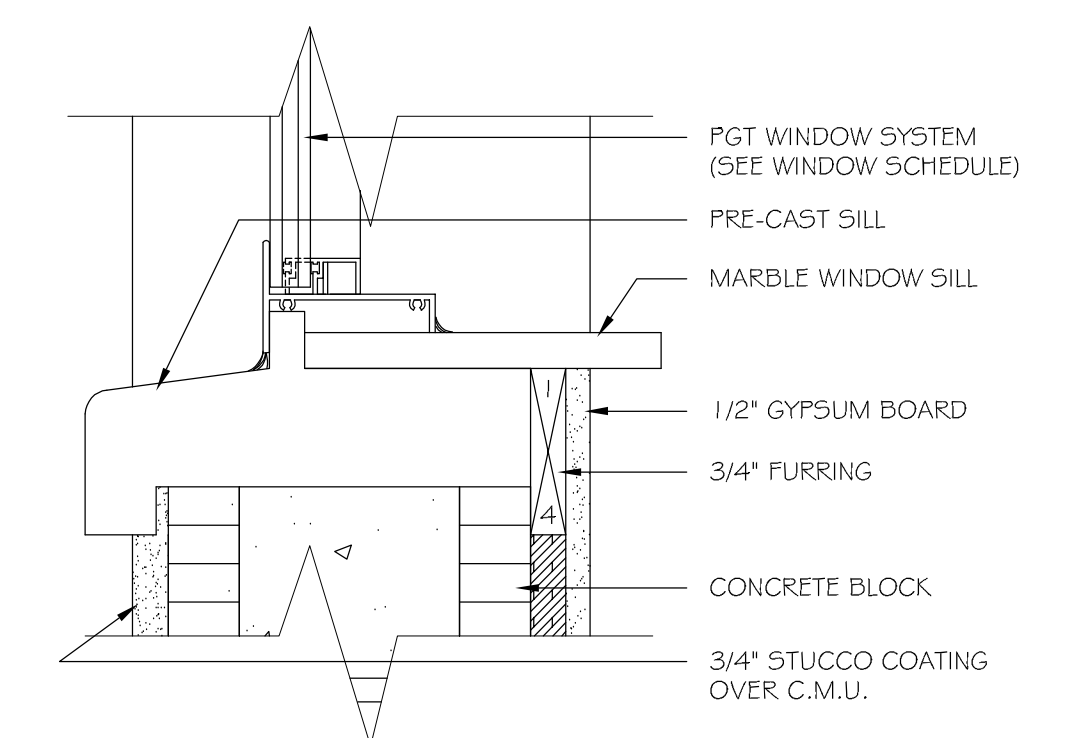
SCALE 3" = 1'-0"

DOOR ELEVATIONS



SCALE 3" = 1'-0"

DOOR SILL DETAIL



SCALE 3" = 1'-0"

WINDOW SILL DETAIL

Dr. Haytham Mahmoud, PE, CGC, CCC
 PE 78453 CGC 1524574 CCC 1332935
 239 405 5159 Pe.Gc.3Gs@gmail.com



Digitally signed by Haytham Mahmoud
 DN: c=US, sn=Haytham, givenName=Haytham, email=pe.gc.3gs@gmail.com, cn=Haytham Mahmoud
 Date: 2025.05.19 17:35:42 -04'00'

OWNERS:
A.V. DESIGN & CONSTRUCTION CORP.
 PROJECT / LOCATION
 425 SW 31ST AVE., CAPE CORAL, FL 33991
 BLOCK 3944, LOTS 16 & 17 / PG. 81 / UNIT 54
 LEE COUNTY STRAP #: 17-44-23-C4-0394-01-60
 PHONE:

PROJECT DATA
 DATE: 8/10/2024
 JOB #: 6003
 DRAWN BY: SJ
 CHECKED BY: O.M.J.
 PROJECT:
 A.V. DESIGN CONST.
 NEW CONSTRUCTION

SHEET No:
10
 10 OF 10

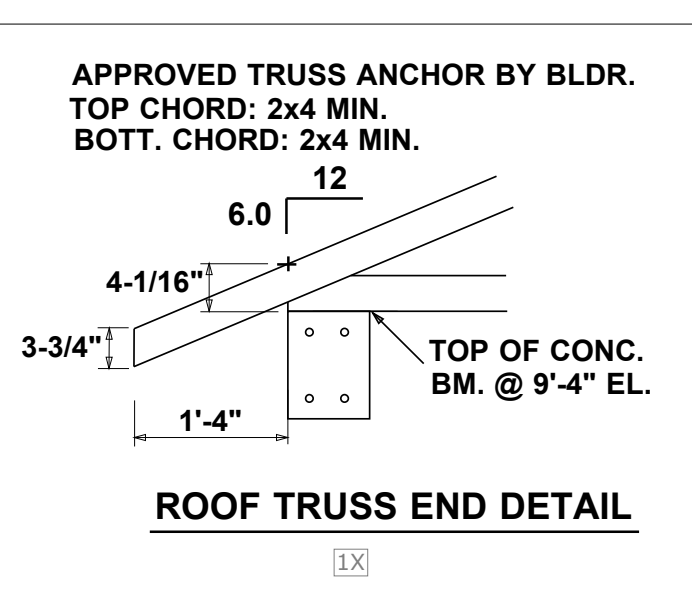
REVISION DATES:	
REV./	REV./
REV./	REV./

GENERAL INFORMATION

READ ALL NOTES. TRUSSES WILL NOT BE MANUFACTURED WITHOUT APPROVAL OF THIS DRAWING.

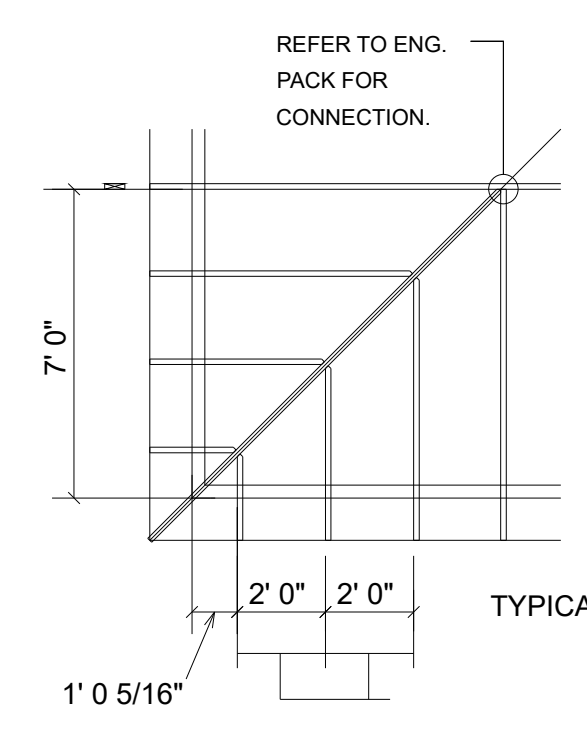
WARNING AND INSTRUCTIONS: THOSE INSTALLING AND USING THESE COMPONENTS MUST READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS INCLUDED IN THE DELIVERY AND ENGINEERING PACKAGE. DO NOT INSTALL OR USE THESE COMPONENTS UNTIL THE FULL DELIVERY PACKAGE IS RECEIVED AND ALL THE TRUSSES ARE VERIFIED FOR ACCURACY. REFER TO BCSI SUMMARY SHEET (TRUSS PLATE INSTITUTE RECOMMENDATIONS) AND INDIVIDUAL TRUSS DESIGNS FOR IMPORTANT INFORMATION REGARDING BRACING AND INSTALLATION GUIDELINES.

THE ADVICE OF A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT MUST BE SOUGHT ON MATTERS RELATING TO BEARING DESIGN, ANCHORAGE, BRACING, INSTALLATION AND USE OF COMPONENTS. DADE TRUSS COMPANY IS NOT RESPONSIBLE FOR THESE MATTERS. A PERMIT FROM THE BUILDING DEPARTMENT IS REQUIRED TO INSTALL THESE COMPONENTS. DO NOT INSTALL THESE COMPONENTS UNTIL ONE IS OBTAINED. CONTRACTOR MUST ADHERE TO ALL BUILDING CODE REQUIREMENTS REGARDING THE INSTALLATION AND USE OF TRUSSES.



HANGER CHART

- A = JUS26
- B = HUS26
- C = HUS28
- D = THD28-2
- E = THD28-3
- F = HJC26
- X = HANGERS BY OTHERS



REFER TO ENG. PACK FOR CONNECTION.

ROOF DESIGNED FOR
SHINGLE

ALL REACTIONS OVER 5000#
AND UPLIFTS OVER 1000#
ARE SHOWN ON LAYOUT.

Hatch Legend

- 9'-4" BRG
- 12'-4" BRG
- 13'-0" BRG

INSTALLATION AND USE: DO NOT CUT OR ALTER TRUSSES. DO NOT INSTALL OR USE DAMAGED TRUSSES AND REPORT ANY DAMAGED TRUSSES TO FABRICATOR. PROPER INSTALLATION AND USE OF THESE COMPONENTS IS THE SOLE RESPONSIBILITY OF THOSE PERSON INSTALLING AND USING THESE COMPONENTS. DADE TRUSS COMPANY, INC. IS NOT RESPONSIBLE FOR THE LIABILITIES THAT MAY RESULT FROM FIELD STORAGE, MISUSE, OR IMPROPER INSTALLATION OF THESE COMPONENTS WHICH MAY RESULT IN FAILURES, BODILY INJURY, LOSS OR PROPERTY, AND/OR LIFE. TRUSSES MUST BE INSTALLED BY CONTRACTORS WITH SUFFICIENT EXPERIENCE IN TRUSS INSTALLATION AND HANDLING.

ERECTION SUPERVISION IS REQUIRED BY A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT FOR TRUSSES OVER 40 FEET IN LENGTH. NO ALTERATION OF THE TRUSSES IS ALLOWED WITHOUT PREVIOUS APPROVAL OF TRUSSES MANUFACTURER. ANY UNAUTHORIZED ALTERATION, REPAIR, OR MODIFICATION OF THE TRUSSES WILL CAUSE DADE TRUSS COMPANY TO RELINQUISH RESPONSIBILITY FOR THE STRUCTURAL SAFETY OF THOSE TRUSSES AND TO NOTIFY BUILDING OFFICIALS. THIS IS A TRUSS PLACEMENT DRAWING ONLY. TRUSSES SHOWN ON THIS PLAN ARE A COMPONENT PART OF A STRUCTURE. THIS PLAN IDENTIFIES TRUSS LOCATION. INSTALLER MUST REFER TO INDIVIDUAL ENGINEERING DRAWINGS FOR PROPER IDENTIFICATION OF TRUSSES.

BRACING: ERECTION AND PERMANENT BRACING WHICH IS ALWAYS REQUIRED ARE THE RESPONSIBILITY OF THE CONTRACTOR NOT THE TRUSS FABRICATOR. REFER TO INDIVIDUAL TRUSS DESIGNS AND ARCHITECTURAL OR ENGINEERING DRAWINGS FOR ADDITIONAL BRACING REQUIRED TO BE INSTALLED DURING ERECTION. REFER TO ARCHITECTURAL DRAWINGS FOR BRACING REQUIRED TO RESIST WIND AND OTHER SPECIFIC LOADING CONDITIONS. PERSONS ERECTING TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL ADVICE REGARDING ERECTION BRACING WHICH IS ALWAYS REQUIRED TO PREVENT TOPPLING AND COLLAPSING DURING INSTALLATION. TRUSSES SHALL BE ERECTED AND FASTENED IN A STRAIGHT AND PLUMB POSITION.

BEARINGS: ALL BEARINGS, BEARING DESIGNS, BRACING, AND ANCHORAGE, ARE RESPONSIBILITY OF THE PROJECT DESIGNER. REFER TO INDIVIDUAL TRUSS DESIGNS FOR REACTIONS AND UPLIFTS. TRUSSES MAY NOT BEAR ON ANY INTERIOR WALL OR PARTITION UNLESS DESIGNED FOR THE SAME.

GIRDERS: GIRDER PLIES SHOULD BE FIELD CONNECTED BY BUILDER AS SHOWN ON THE INDIVIDUAL ENGINEERING DESIGNS.

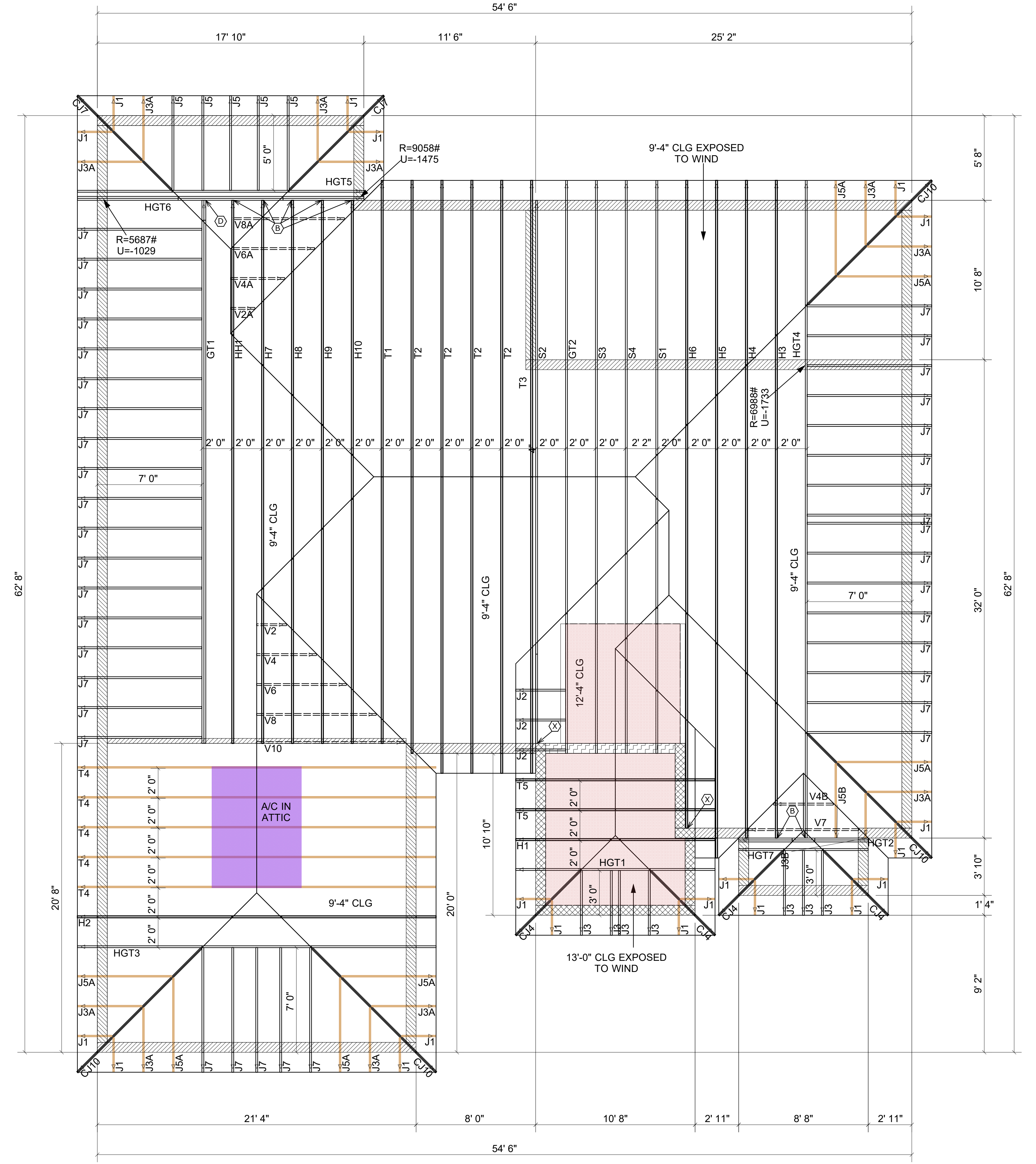
SPACING: TRUSS SPACING 24" OC UNLESS OTHERWISE NOTED ON LAYOUT.

HANGERS: TRUSS MANUFACTURER WILL ONLY SUPPLY STANDARD LIGHT GAUGE TRUSS TO TRUSS CONNECTORS AS SHOWN IN THE ENGINEERING PACKAGE AND ONLY FOR SPANS OVER 12'. ALL HANGERS REQUIRED FOR TRUSSES OF LESS THAN 12' IN SPAN AND WITH REACTIONS OF LESS THAN 600 LBS MUST BE SUPPLIED BY BUILDER. ALL CONNECTIONS REQUIRING SPECIALLY MANUFACTURED HANGERS ARE TO BE SUPPLIED BY BUILDER.

ACCEPTANCE AND APPROVAL: ALL DIMENSIONS, QUANTITIES, LOADING, AND DETAILS ON THIS PLAN AND ON THE INDIVIDUAL TRUSS DESIGNS MUST BE REVIEWED AND APPROVED BY THE CUSTOMER, OWNER, PROJECT ARCHITECT, ENGINEER OR CONTRACTOR BEFORE FABRICATION OF THE TRUSSES. THE CUSTOMER AND CUSTOMER'S REPRESENTATIVE ACCEPTS ALL CONDITIONS DESCRIBED HEREIN AND EXPRESSLY AUTHORIZES THE FABRICATION OF THE TRUSSES AS DESCRIBED HEREIN.

By: _____
Date: 05/19/25

TRUSS PLACEMENT PLAN AND INDIVIDUAL TRUSS DESIGNS ACCEPTED AND APPROVED.



DESIGN DATA

Client: OWNER BUILDER
Job Name: NEW RESD
Model: _____ Date: 08/30/24
Lot #: Lot _____ Block: _____
Job Addr: 425 SW 31ST AVE, CAPE CORAL, FL
Architect: _____
DES.

LOADING CRITERIA: FBC2023 / TPI2014

ROOF LIVE: 20 PSF ROOF DEAD: 20 PSF
FLOOR LIVE: PSF FLOOR DEAD: PSF

WIND LOADING CRITERIA: ASCE 7-22
WIND DESIGN VELOCITY: 160 MPH
WIND DURATION FACTOR: 1.60
EXPOSURE: B CATEGORY: II
DESIGN ELEVATION: 15'-0"
DEAD LOAD FOR UPLIFT: 10 PSF
IMPORTANCE FACTOR: 1.00

SOUTHWEST

STRUCTURAL SYSTEMS, INC.
5774 CORPORATION CIRCLE BUS (239) 693-6000
FORT MYERS, FL 33905 FAX (239) 693-2795