

1425
ARIES
EXPLORATION SERIES
40' X 48'



REVISION SCHEDULE			
NO.	DATE	DESCRIPTION	BY
1	09-11-25	-CREATED NEW MASTER	MR
2	02-13-26	-APPLIED FRAME WALK MARKUPS: DATED 02/12/26	MR

SHEET INDEX:

00	COVER SHEET
00.1	GENERAL NOTES
01.0	SLAB INTERFACE PLAN "A"
02.0	FLOOR PLAN W/ NOTES "A"
02.1	FLOOR PLAN W/ DIMENSIONS "A"
03.A	EXTERIOR ELEVS.- FRONT/ REAR "A"
03.1A	EXTERIOR ELEVS.- LEFT/ RIGHT "A"
04.0	ROOF PLAN
E1	UTILITY PLAN "A"
AD1	DETAILS
07.0	FOUNDATION PLAN "A"
08A.1	TRUSS LAYOUT "A"
09.1	PRECAST LINTEL LAYOUT "A"
D1	TYPICAL STRUCTURAL DETAILS
D2	TYPICAL STRUCTURAL DETAILS
D3	TYPICAL STRUCTURAL DETAILS
D4	TYPICAL STRUCTURAL DETAILS
D5	TYPICAL STRUCTURAL DETAILS

SHEET INDEX:

00	COVER SHEET
00.1	GENERAL NOTES
01.0	SLAB INTERFACE PLAN "B"
02.0	FLOOR PLAN W/ NOTES "B"
02.1	FLOOR PLAN W/ DIMENSIONS "B"
03.B	EXTERIOR ELEVS.- FRONT/ REAR "B"
03.1B	EXTERIOR ELEVS.- LEFT/ RIGHT "B"
04.0	ROOF PLAN
E1	UTILITY PLAN "B"
AD1	DETAILS
07.0	FOUNDATION PLAN "B"
08B.1	TRUSS LAYOUT "B"
09.1	PRECAST LINTEL LAYOUT "B"
D1	TYPICAL STRUCTURAL DETAILS
D2	TYPICAL STRUCTURAL DETAILS
D3	TYPICAL STRUCTURAL DETAILS
D4	TYPICAL STRUCTURAL DETAILS
D5	TYPICAL STRUCTURAL DETAILS

SHEET INDEX:

00	COVER SHEET
00.1	GENERAL NOTES
01.0	SLAB INTERFACE PLAN "C"
02.0	FLOOR PLAN W/ NOTES "C"
02.1	FLOOR PLAN W/ DIMENSIONS "C"
03.C	EXTERIOR ELEVS.- FRONT/ REAR "C"
03.1C	EXTERIOR ELEVS.- LEFT/ RIGHT "C"
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E1	UTILITY PLAN "C"
AD1	DETAILS
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08C.1	TRUSS LAYOUT "C"
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LOT: 0000, COMMUNITY

1425 ARIES

40' EXPLORATION SERIES

COVER SHEET

REVISIONS

DELTA #	DATE
	DATE: 09-02-25
	SCALE: AS NOTED
	DRAWN: MR
	SHEET: 00

1425 ARIES

40' EXPLORATION SERIES

ENTERPRISES, INC.

5200 Vineland Road, Suite 200

Orlando, Florida 32811

Phone: (407) 529 - 3000

ITEG

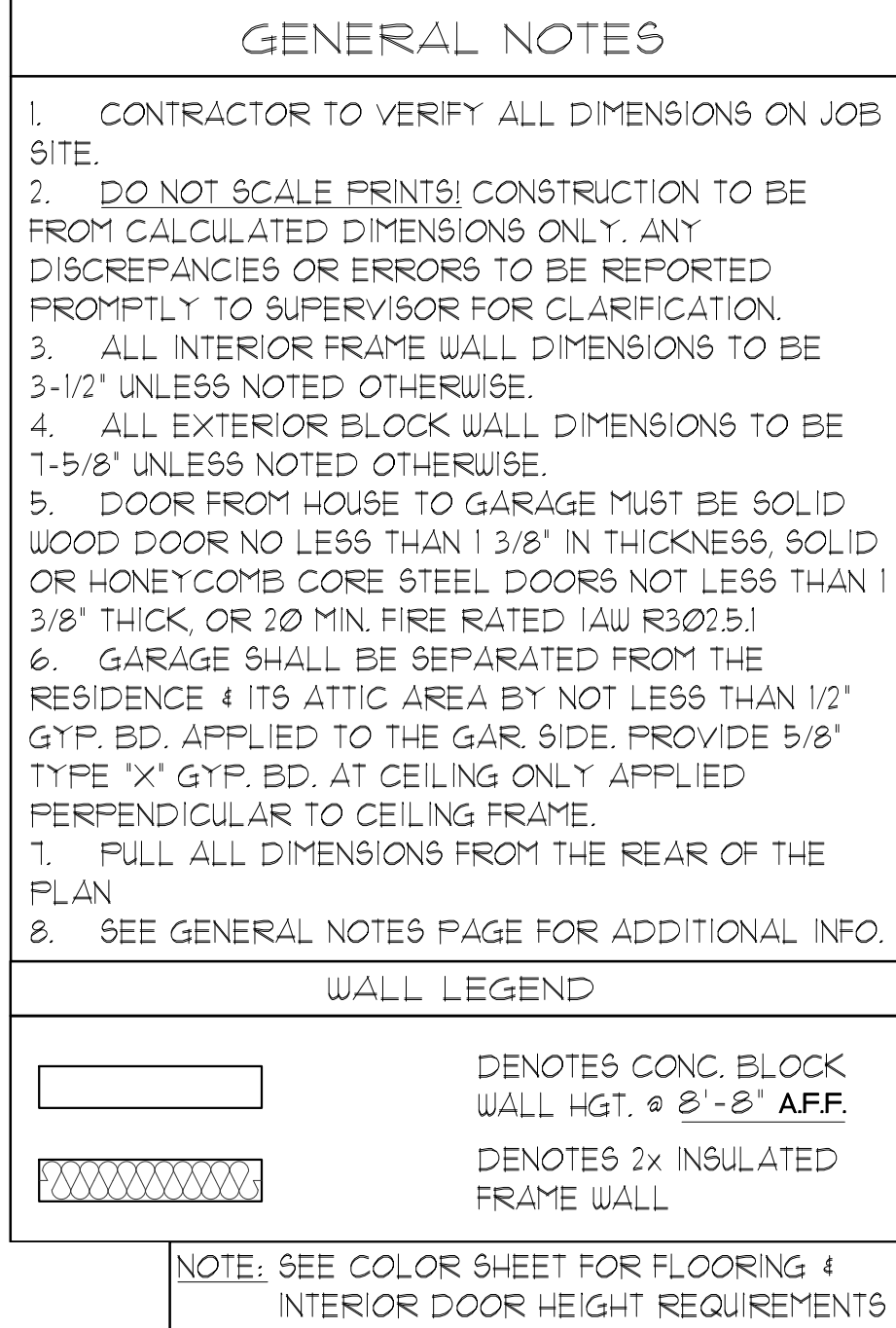
THOMPSON ENGINEERING GROUP, INC.

4441 Vineland Road Suite A8 Orlando, FL 32811

Phone: (407) 724-1700

Fax: (407) 724-1700

www.iteg.com



AREA CALCULATIONS	
TOTAL LIVING-----	1,425 SF.
GARAGE-----	393 SF.
ENTRY-----	29 SF.
LANAI-----	13 SF.
TOTAL UNDER ROOF	1,920 SF.

ELEVATION A,B,C STD
FLOOR PLAN W/ NOTES
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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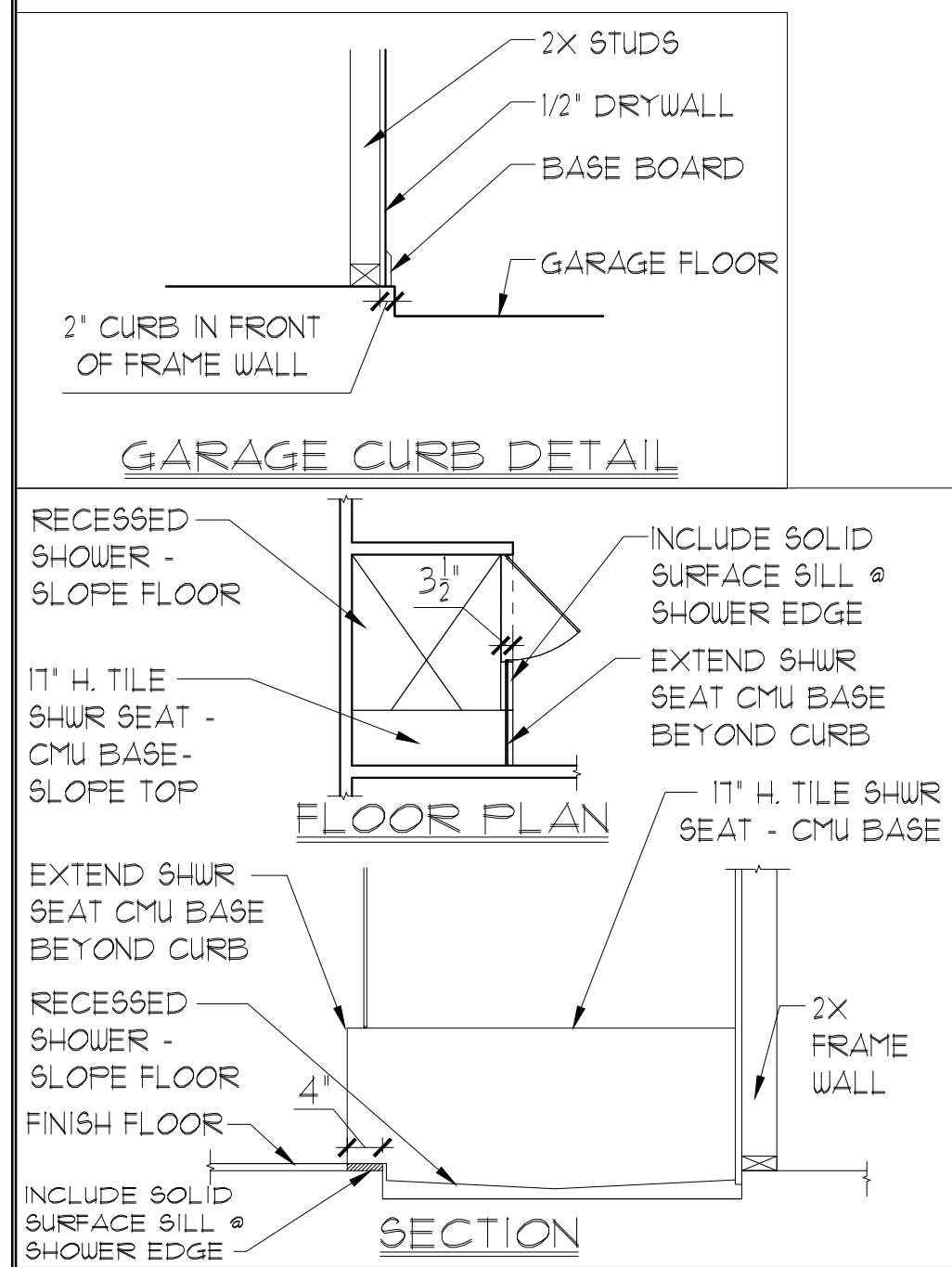
PARK SQUARE HOMES RESERVES CO. LTD.	REVISIONS	
	DELTA #	DATE
	DATE: 09-02-25	
	SCALE: AS NOTED	
	DRAWN: MR	
	SHEET: 02.0	

Park Square HOMES
A DIVISION OF PARK SQUARE ENTERPRISES, INC.
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Phone: (407) 529 - 3000

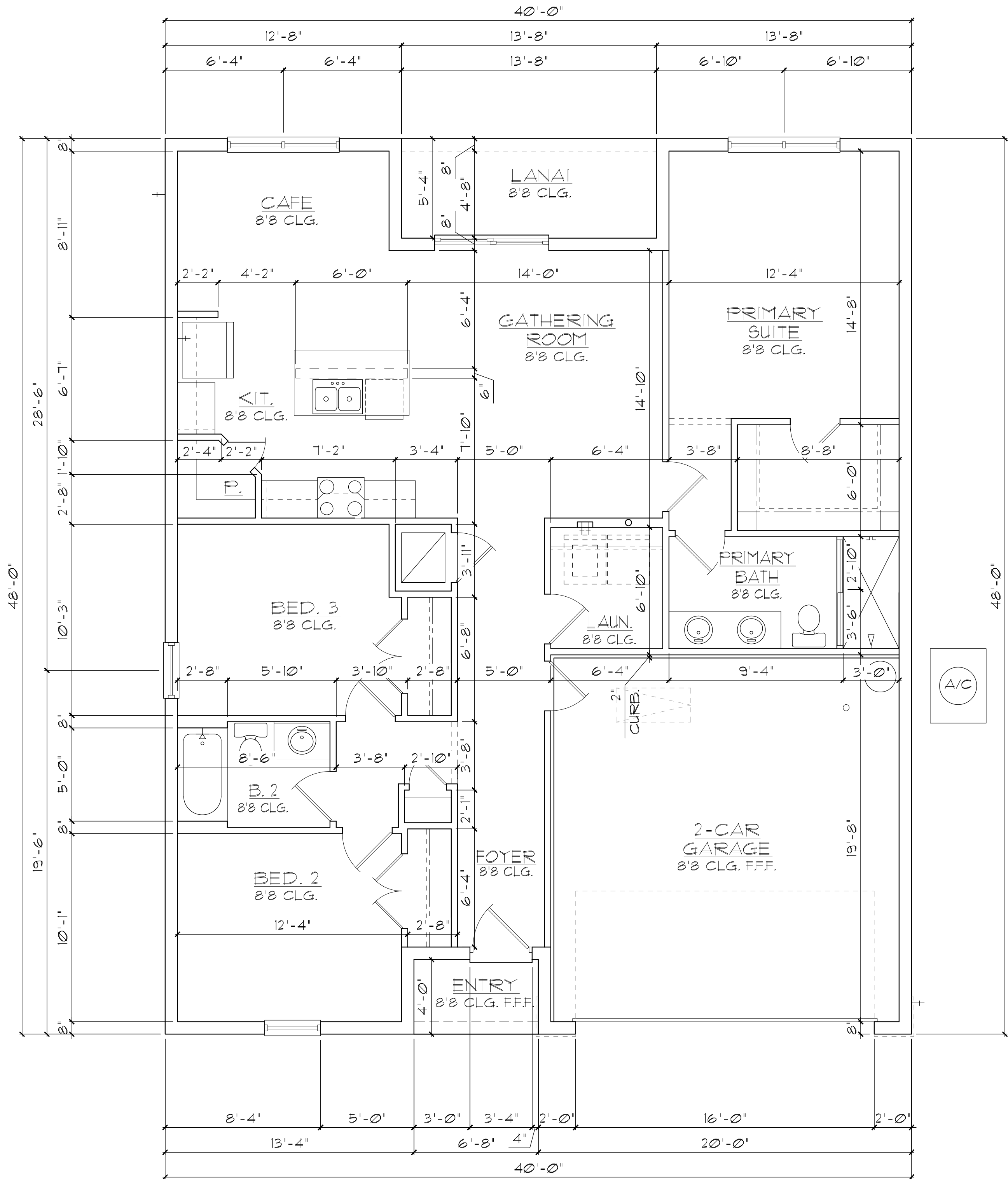
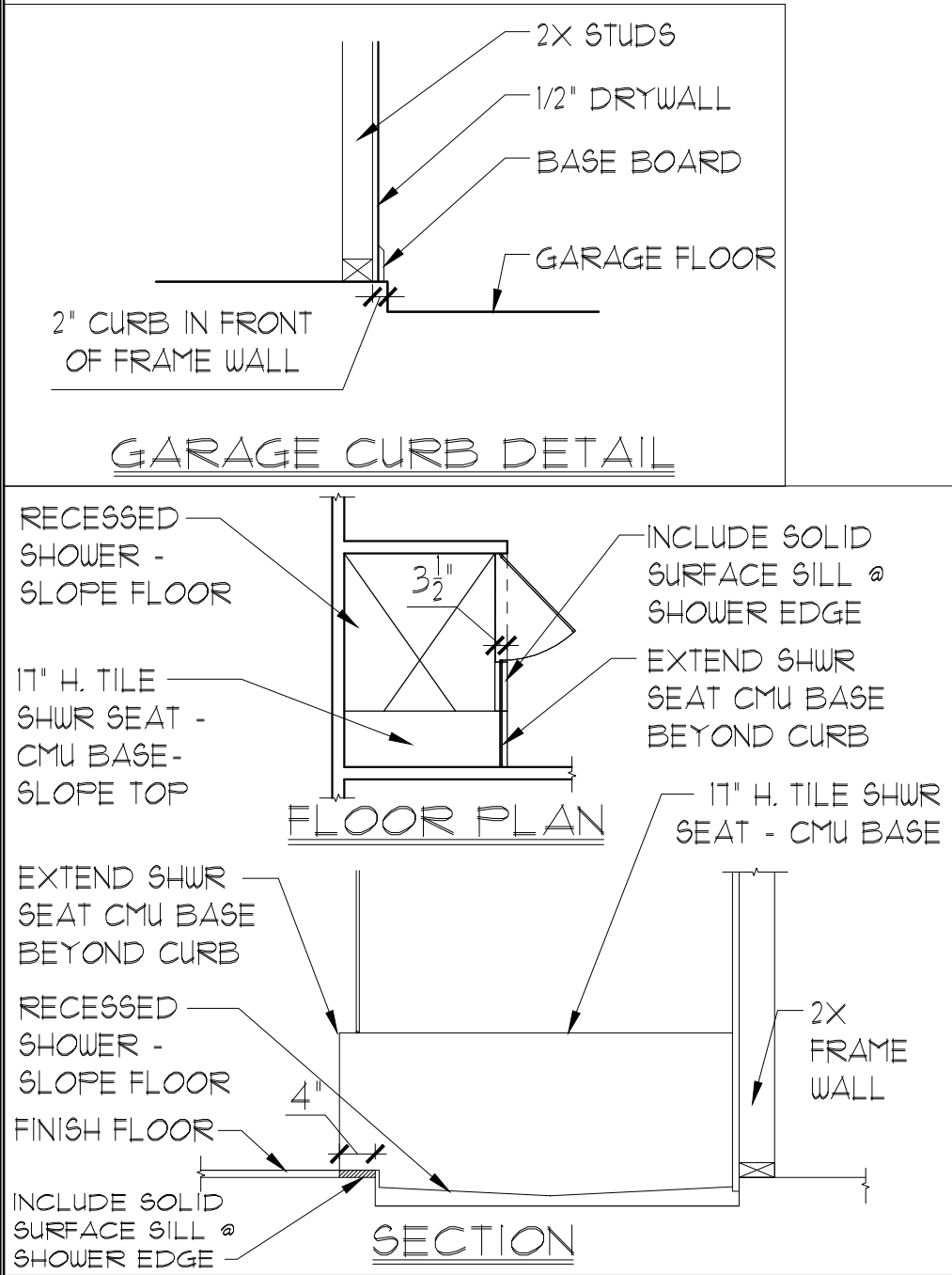
ENTS ARE PROHIBITED.

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4401 Vineland Road Suite A6 Orlando, FL 32811
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GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS ON JOB SITE.
- DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
- ALL INTERIOR FRAME WALL DIMENSIONS TO BE 3-1/2" UNLESS NOTED OTHERWISE.
- ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 1-5/8" UNLESS NOTED OTHERWISE.
- DOOR FROM HOUSE TO GARAGE MUST BE SOLID WOOD DOOR NO LESS THAN 1 3/8" IN THICKNESS, SOLID OR HONEYCOMB CORE STEEL DOORS NOT LESS THAN 1 3/8" THICK, OR 20 MIN. FIRE RATED IAW R302.5.1
- GARAGE SHALL BE SEPARATED FROM THE RESIDENCE & ITS ATTIC AREA BY NOT LESS THAN 1/2" GYP. BD. APPLIED TO THE GAR. SIDE. PROVIDE 5/8" TYPE 'X' GYP. BD. AT CEILING ONLY APPLIED PERPENDICULAR TO CEILING FRAME.
- PULL ALL DIMENSIONS FROM THE REAR OF THE PLAN
- SEE GENERAL NOTES PAGE FOR ADDITIONAL INFO.

WALL LEGEND

DENOTES CONC. BLOCK WALL HGT. @ 8'-8" AFF.

DENOTES 2x INSULATED FRAME WALL

NOTE: SEE COLOR SHEET FOR FLOORING & INTERIOR DOOR HEIGHT REQUIREMENTS

AREA CALCULATIONS	
TOTAL LIVING-----	1,425 SF.
GARAGE-----	393 SF.
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TOTAL UNDER ROOF-----	1,920 SF.

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5200 Vineland Road, Suite 200
Orlando, Florida 32811
Phone: (407) 629 - 3000

Park Square HOMES

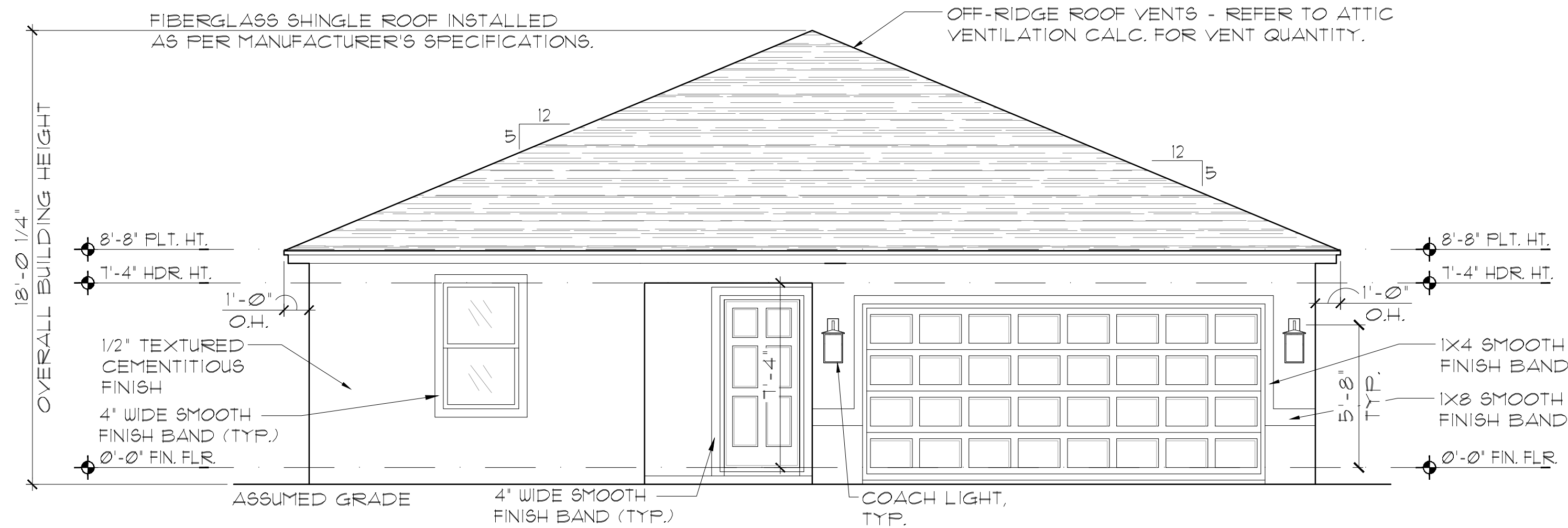
FLOOR PLAN
W/ DIMENSIONS

1425 ARIES

40' EXPLORATION SERIES

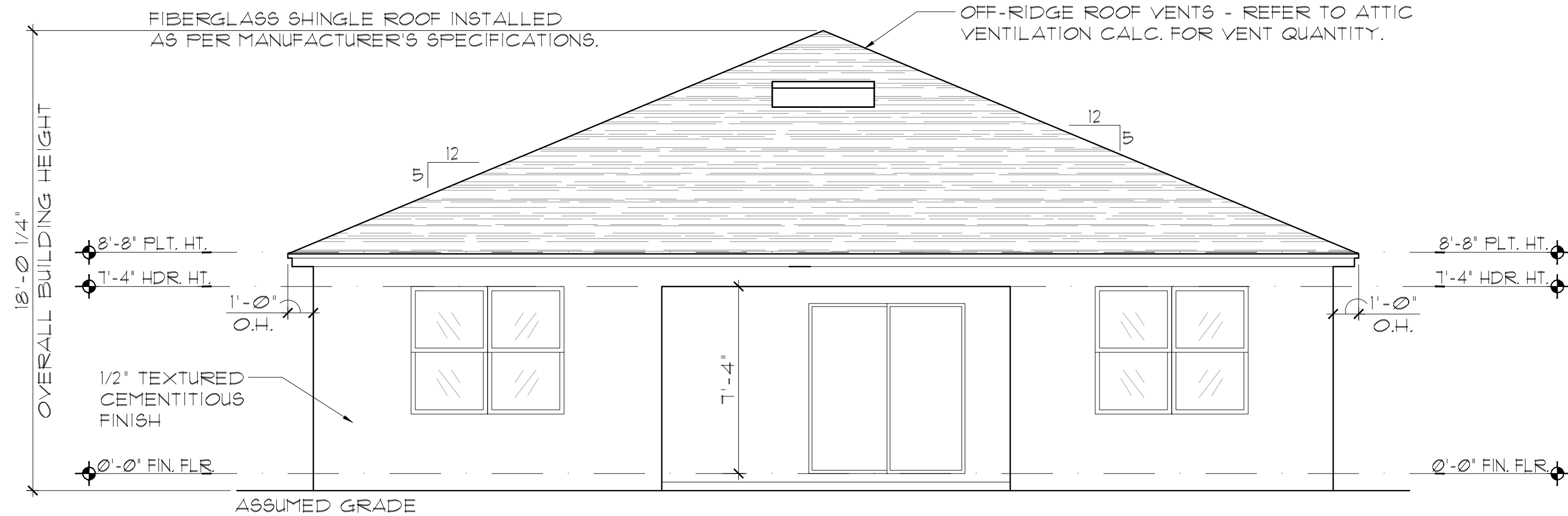
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DATE:	03-02-25
SCALE:	AS NOTED
DRAWN:	MYR
SHEET:	02.1

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ELEVATION A STD
FRONT ELEVATION

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



ELEVATION A STD
REAR ELEVATION

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

EXTERIOR FINISH NOTES

1. LATH TO BE ATTACHED IAW R103.1.1 OF THE 8TH EDITION, FBC-R, 2023 & ASTM C1063 OR C1181.
2. PLASTERING TO BE INSTALLED IAW R103.1 & R103.1.2 OF THE 8TH EDITION, FBC-R, 2023
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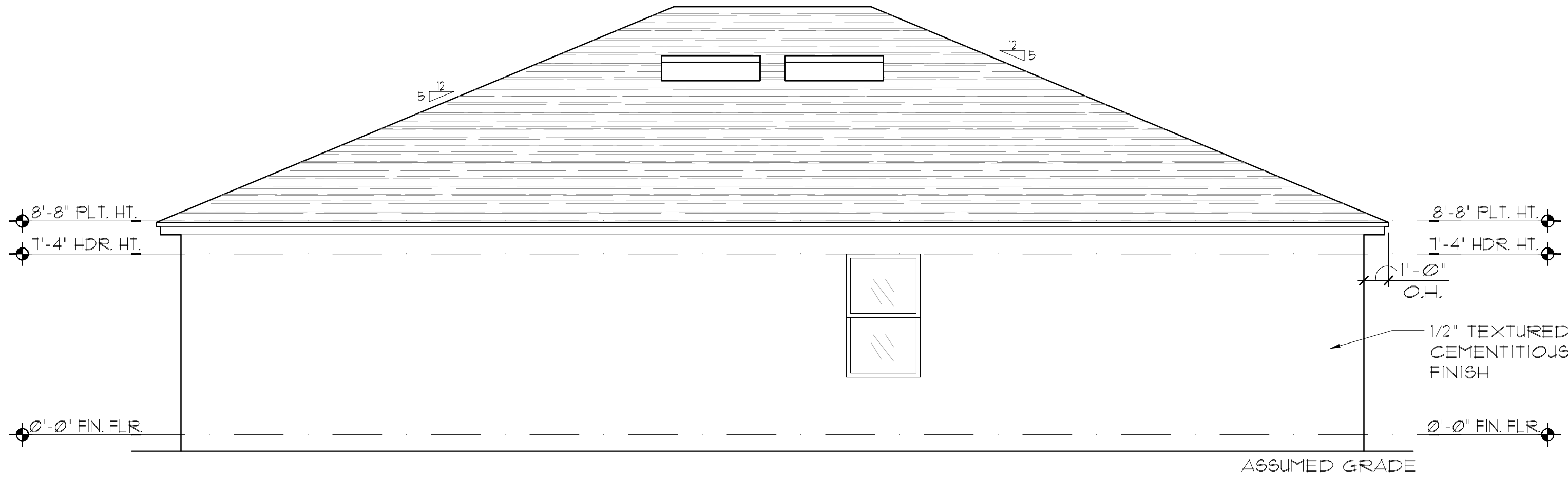
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Orlando, Florida 32811
Phone: (407) 629 - 3000

Park
Square
HOMES

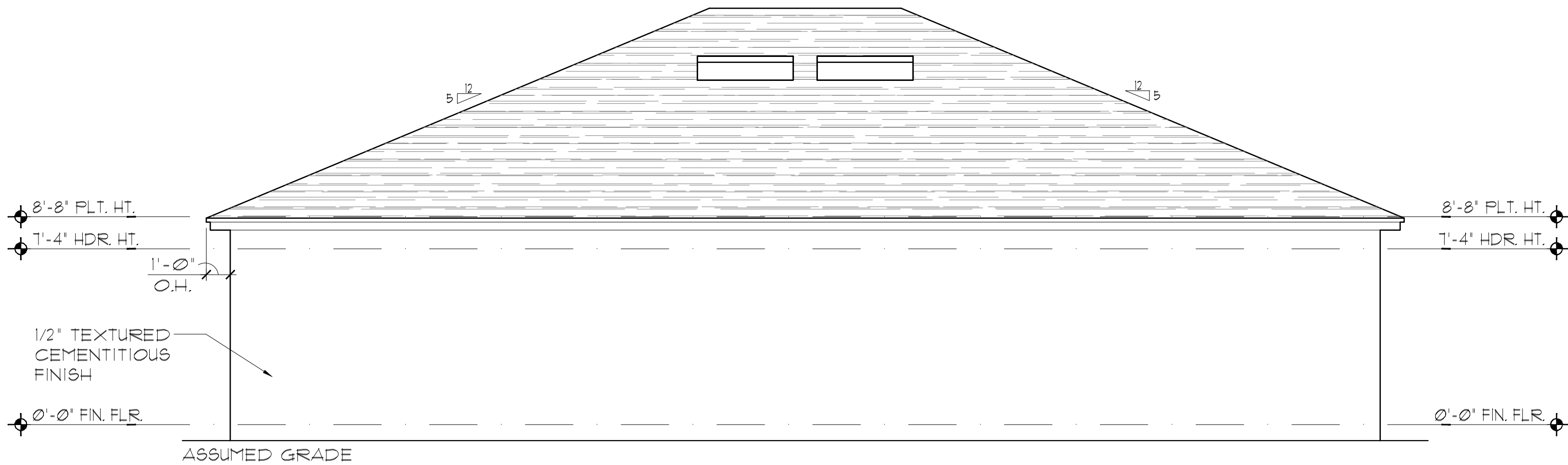
EXTERIOR ELEVATION
FRONT AND REAR

1425 ARIES
40' EXPLORATION SERIES

REVISIONS	
DELTA #	DATE
DATE:	03-02-25
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DRAWN:	MYR
SHEET:	03.A



ELEVATION A STD
LEFT ELEVATION
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



ELEVATION A STD
RIGHT ELEVATION
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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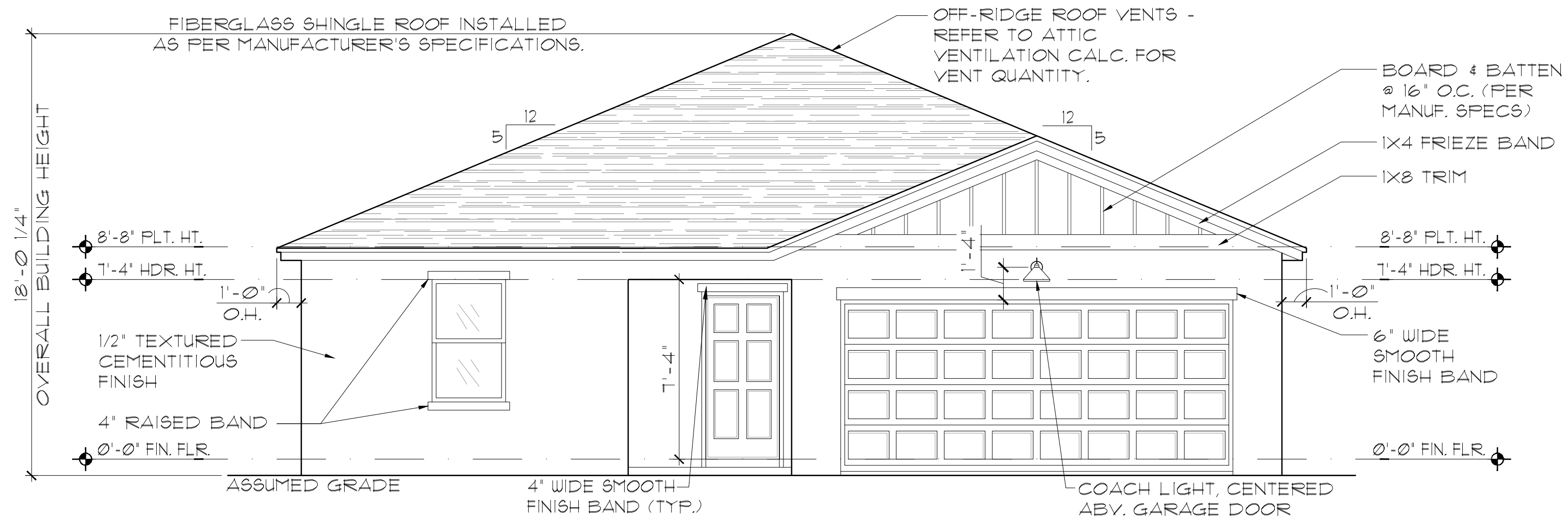
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03.1A	

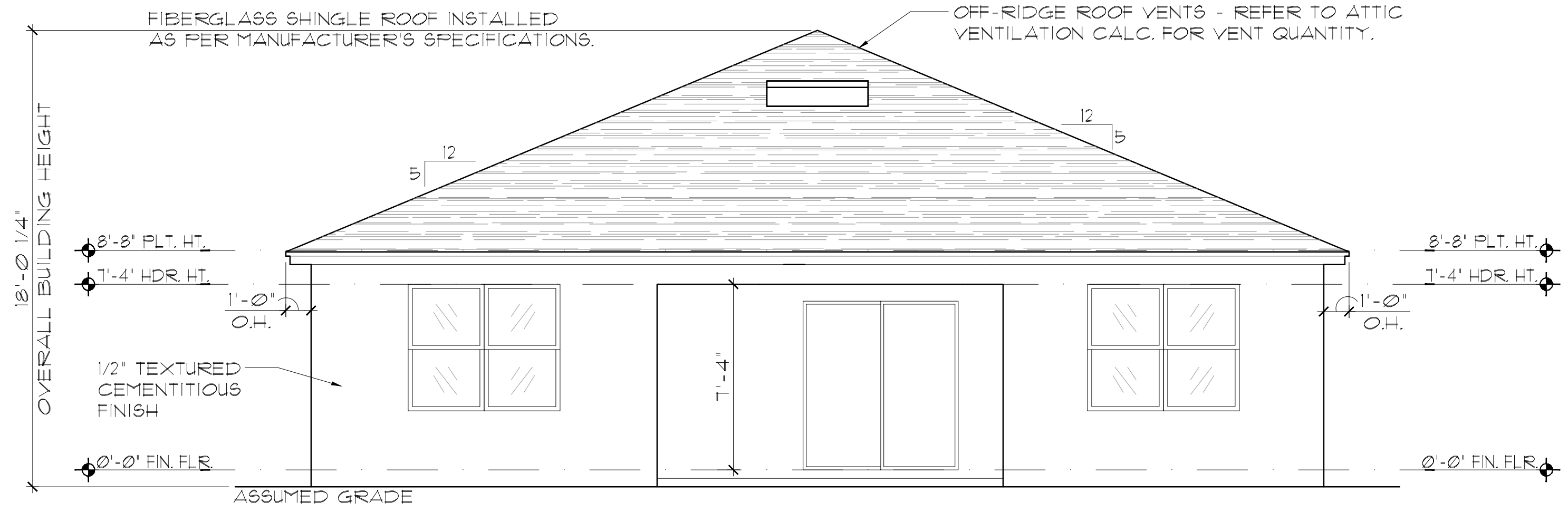
EXTERIOR ELEVATION
LEFT AND RIGHT

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ELEVATION B STD
FRONT ELEVATION
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



ELEVATION B STD
REAR ELEVATION
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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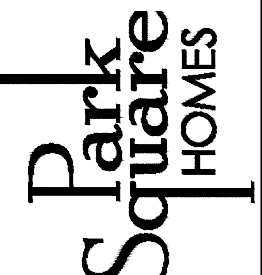
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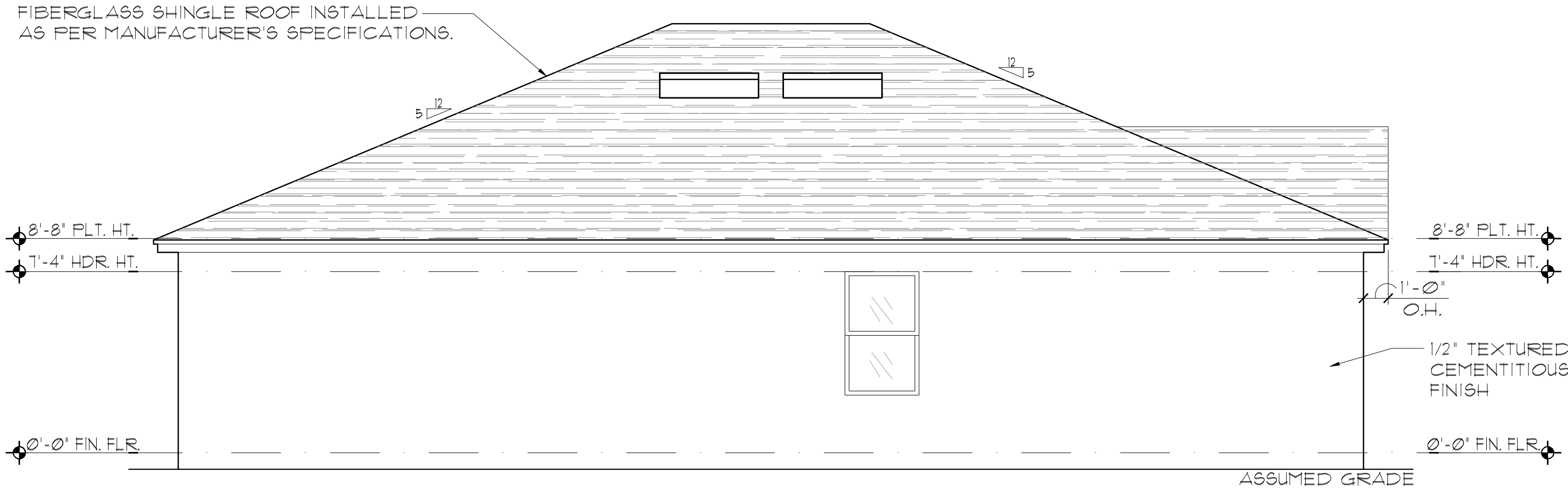
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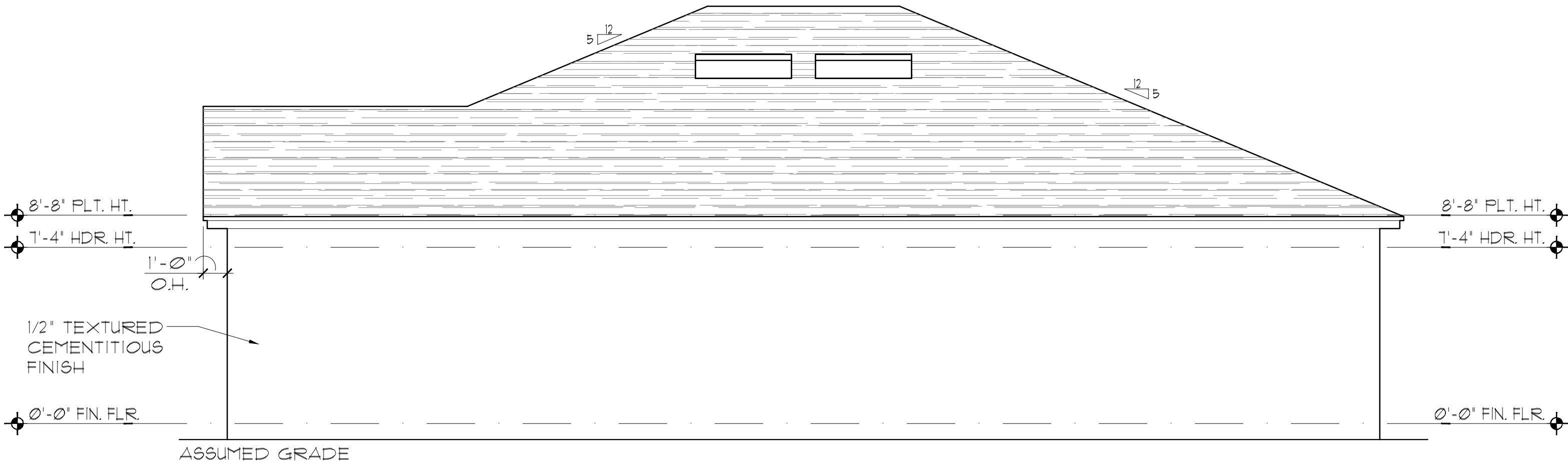
EXTERIOR ELEVATION
FRONT AND REAR

1425 ARIES
40' EXPLORATION SERIES

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ELEVATION B STD
LEFT ELEVATION
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



ELEVATION B STD
RIGHT ELEVATION
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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1425 ARIES

40' EXPLORATION SERIES

EXTERIOR ELEVATION
LEFT AND RIGHT

Park Square HOMES

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LEFT AND RIGHT

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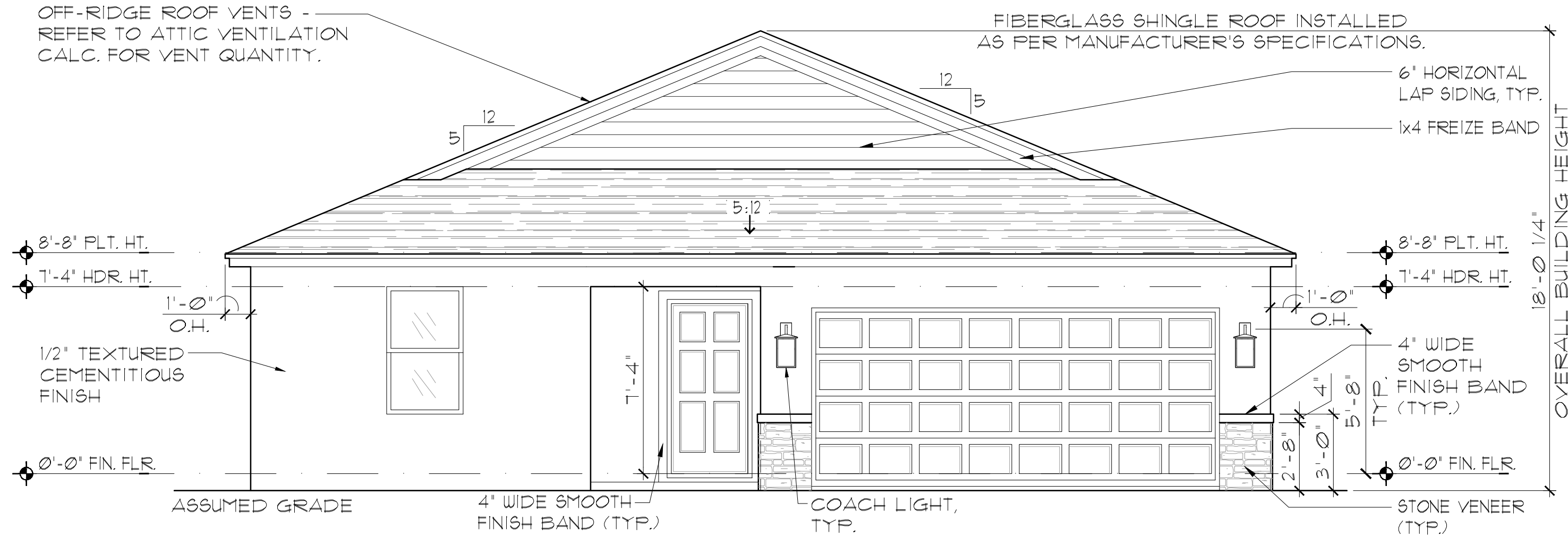
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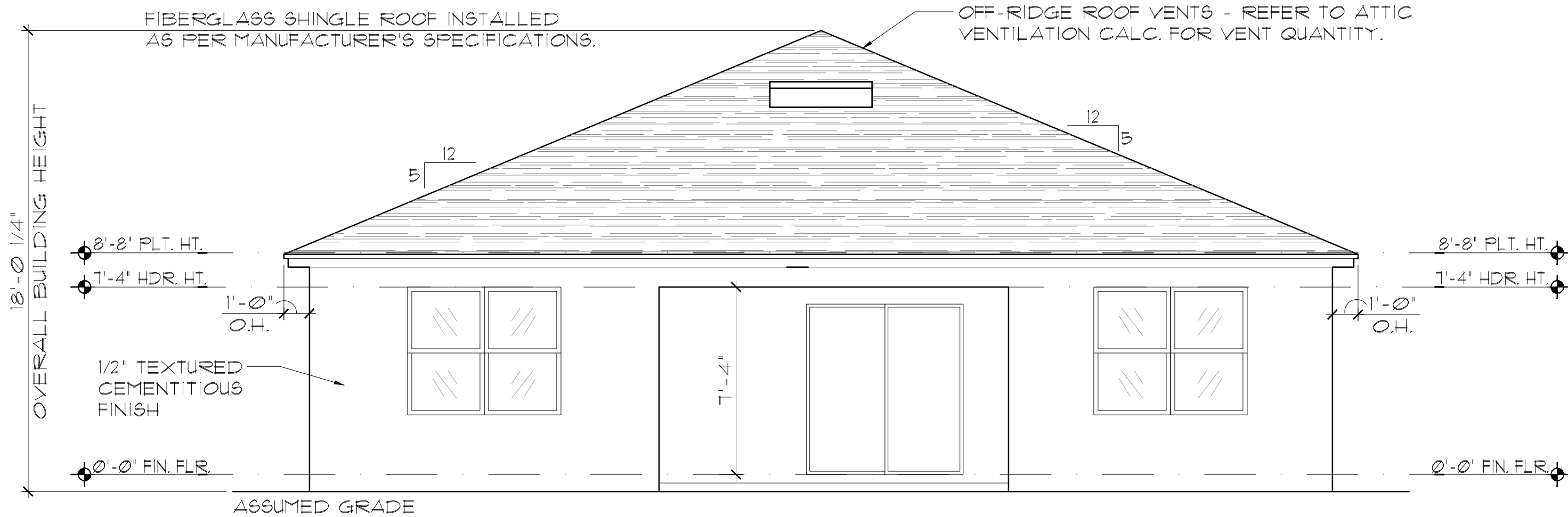
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ELEVATION C STD
FRONT ELEVATION

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



ELEVATION C STD
REAR ELEVATION

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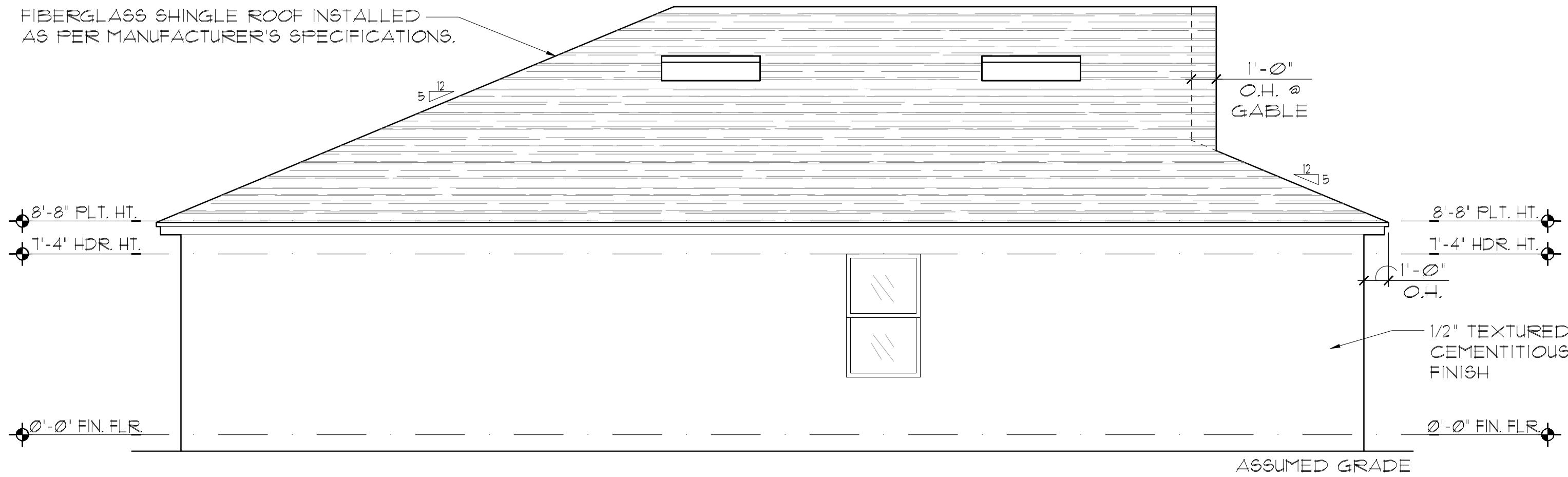
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Park Square
HOMES

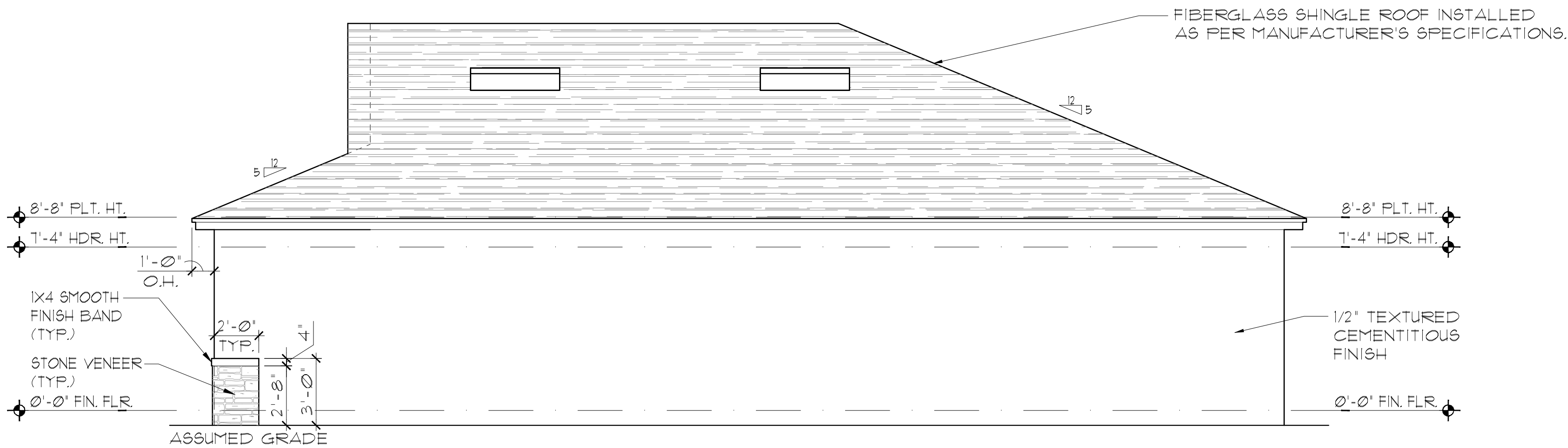
EXTERIOR ELEVATION
FRONT AND REAR

1425 ARIES
40' EXPLORATION SERIES

REVISIONS	
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DATE:	03-02-25
SCALE:	AS NOTED
DRAWN:	MR
SHEET:	03.C



ELEVATION C STD
LEFT ELEVATION
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



ELEVATION C STD
RIGHT ELEVATION
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

EXTERIOR FINISH NOTES

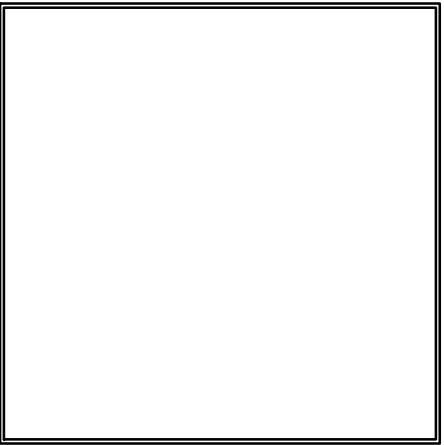
1. LATH TO BE ATTACHED IAW R103.1.1 OF THE 8TH EDITION, FBC-R, 2023 & ASTM C1063 OR C1181.
2. PLASTERING TO BE INSTALLED IAW R103.1 & R103.1.2 OF THE 8TH EDITION, FBC-R, 2023
3. WEEP SCREED TO BE INSTALLED IAW R103.1.2.1 OF THE 8TH EDITION, FBC-R, 2023 & ASTM C926.
4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.2 & R103.1.3 OF THE 8TH EDITION, FBC-R, 2023.
5. FLASHING TO BE INSTALLED IAW R103.4 OF THE 8TH EDITION, FBC-R, 2023.
6. WIND RESISTANCE OF WALL COVERINGS & BACK MATERIALS SHALL BE IAW R103.1.2 OF THE 8TH EDITION, FBC-R, 2023
7. ALL HORIZONTAL & VERTICAL CONTROL JOINTS SHALL BE INSTALLED IAW ASTM 1063.
8. ALL FIBER CEMENT SIDING SHALL BE IAW R103.1 OF THE 8TH EDITION, FBC-R, 2023.
9. "ZIP SYSTEMS" WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER, ON EXTERIOR FRAME WALLS.
10. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, COMMUNITY

PARK SQUARE HOMES RESERVES COPYRIGHT & OTHER RIGHTS RESTRICTING THESE DOCUMENTS TO THE ORIGINAL SITE OR PURPOSE FOR WHICH THEY WERE PREPARED. REPRODUCTIONS, CHANGES OR ASSIGNMENTS ARE PROHIBITED.		1425 ARIES 40' EXPLORATION SERIES REVISIONS DELTA # DATE DATE: 09-02-25 SCALE: AS NOTED DRAWN: MR SHEET: 03.1C		
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A DIVISION OF PARK SQUARE
ENTERPRISES, INC.
5200 Vineland Road, Suite 200
Orlando, Florida 32811
Phone: (407) 529 - 3000

Park Square
HOMES

ROOF PLAN

1425 ARIES
40' EXPLORATION SERIES

REVISIONS	
DELTA #	DATE
DATE: 09-02-25	
SCALE: AS NOTED	
DRAWN: MR	
SHEET: 04.A	

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2003 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, COMMUNITY

GENERAL NOTES

ENCLOSED ATTIC SPACES AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. MINIMUM NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE VENTED SPACE, (EXCEPT THAT THE REDUCTION OF THE TOTAL AREA TO 1/300 IS PERMITTED, PROVIDED THAT AT LEAST 40% AND NOT MORE THAN 50% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT NO MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY EAVE OR CORNICE VENTS.)

1. PLAN SHOWS APPROXIMATE VENT LOCATIONS AND STILL REQUIRES REVIEW BY THE BUILDER/G.C. TO VERIFY ALL VENTING COMPONENTS ARE INSTALLED PER THE MIN. REQUIREMENTS AS STATED IN THE CURRENT EDITION OF THE FBC(R) SECTION R206 AND ALL SUBSEQUENT SUB-SECTIONS.
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6. ROOF PLAN DEPICTED IS NOT INTENDED TO SERVE AS A TRUSS DESIGN
7. SEE BUILDING SECTIONS, WALL SECTIONS & ELEVATIONS FOR BEARING HEIGHTS

CALCULATIONS BELOW ARE BASED OFF OF THE FOLLOWING ASSUMPTIONS:

OFF RIDGE VENTS TO HAVE A NET FREE VENTILATION AREA OF:

SHINGLE: MILLENNIUM METALS-MMI-2 = 80.5 SQ. INCHES PER VENT INSTALLED
LOMANCO-T10D = 140 SQ. INCHES PER VENT INSTALLED

INDICATES POSSIBLE LOCATION OF OFF RIDGE VENTS

SOFFIT VENTILATION TO HAVE A NET FREE VENTILATION AREA OF 10 SQ. INCHES PER LINEAR FOOT

INDICATES POSSIBLE LOCATION OF SOFFIT VENTING

ATTIC VENTILATION CALCULATIONS

NET FREE VENTILATED AREA(S):

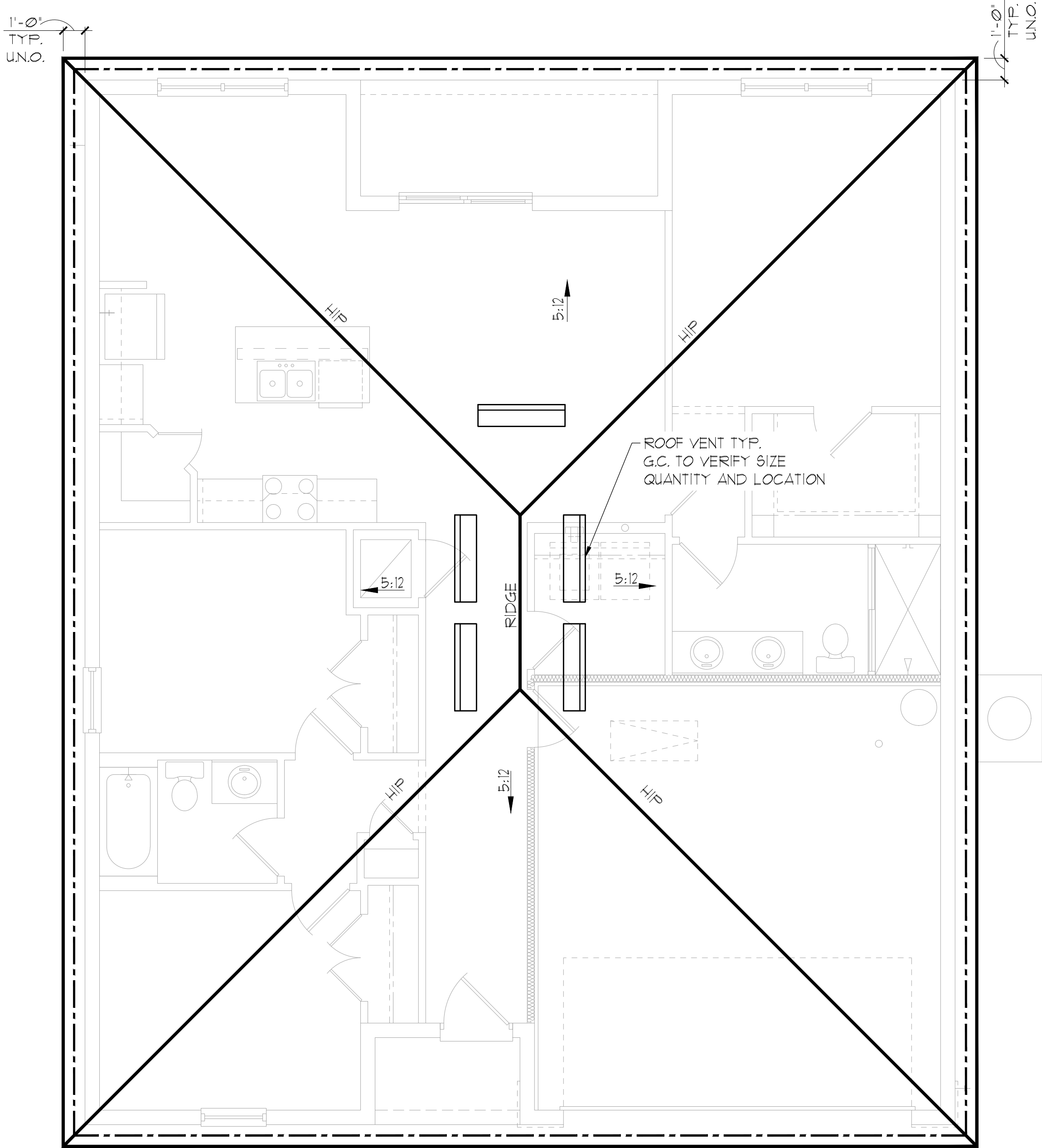
(MILLENNIUM METALS- MMI-2)
NFVA = 1920 SQ. FT * 144 / 300 = 369-461 SQ. IN. REQUIRED (40%-50%)

(5) OFF RIDGE VENTS @ 80.5 SQ. IN. (MILLENNIUM METALS- MMI-2) = 403 SQ. IN. PROVIDED

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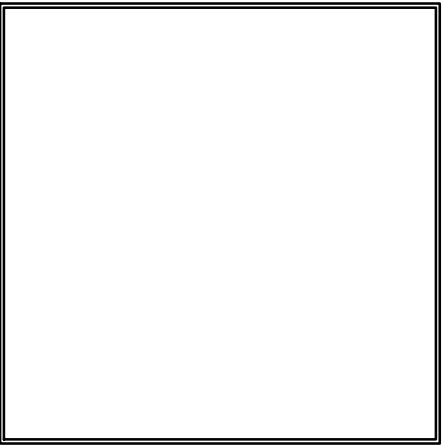
+/- 200 LINEAR FEET OF VENTED SOFFIT.



ELEVATION A STD
ROOF PLAN

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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Orlando, Florida 32811
Phone: (407) 529 - 3000

Park Square
HOMES

ROOF PLAN

1425 ARIES
40' EXPLORATION SERIES

REVISIONS	
DELTA #	DATE
DATE: 09-02-25	
SCALE: AS NOTED	
DRAWN: MR	
SHEET:	
04.B	

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LOT: 0000, COMMUNITY

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ATTIC VENTILATION CALCULATIONS

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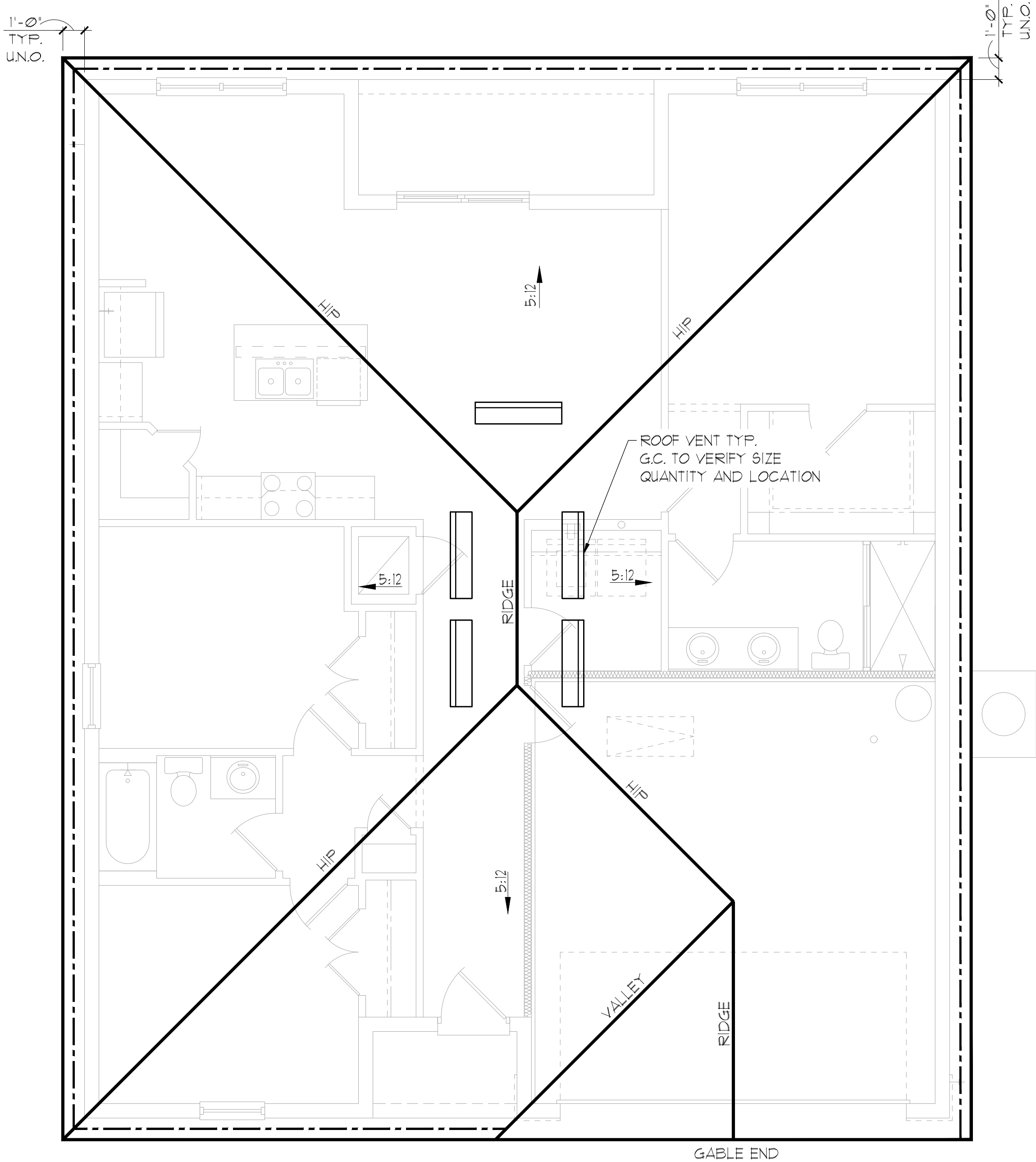
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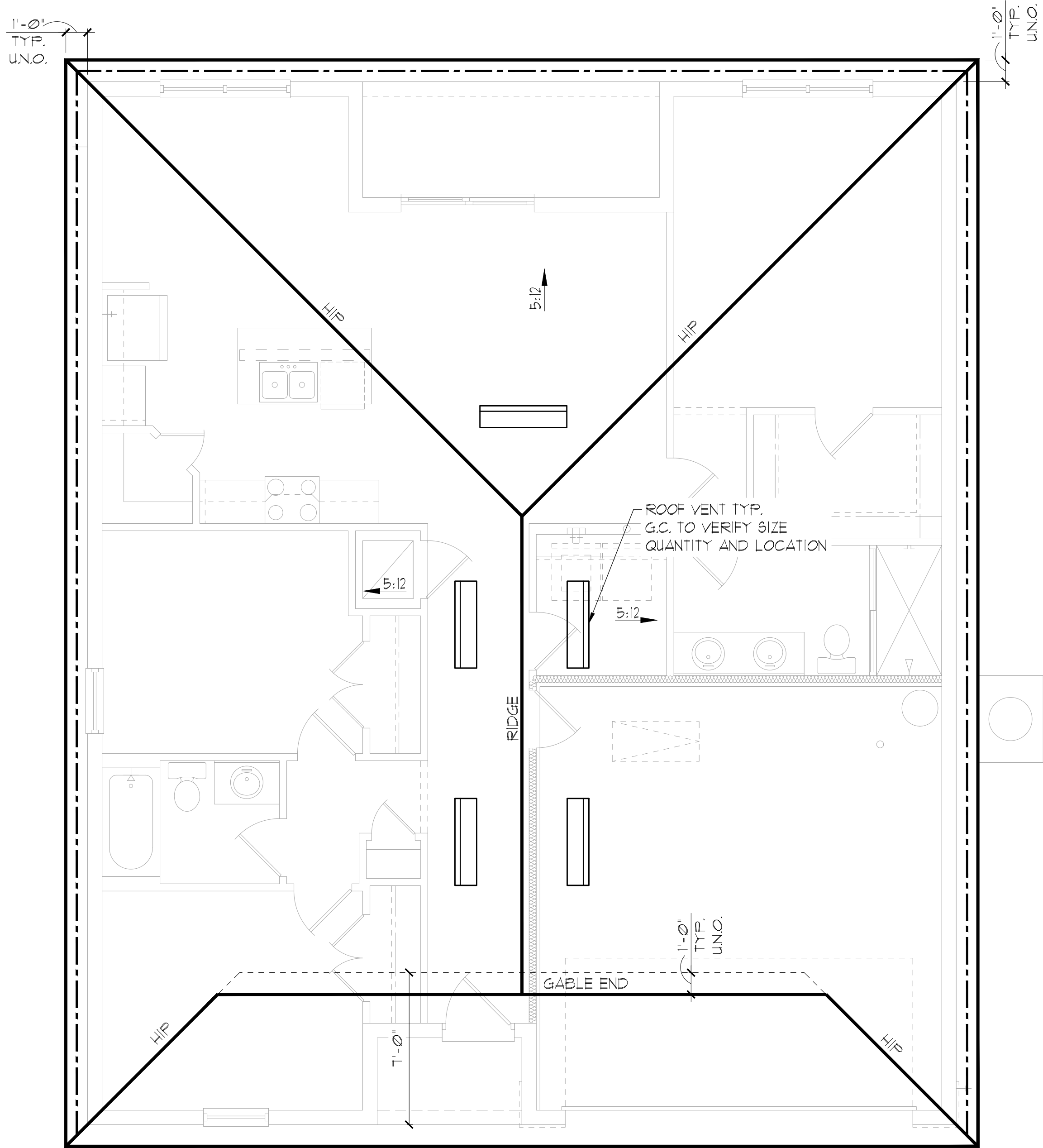
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ELEVATION B STD
ROOF PLAN

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ELEVATION C STD
ROOF PLAN

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LOT: 0000, COMMUNITY

1425 ARIES

40' EXPLORATION SERIES

REVISIONS	
DELTA #	DATE
DATE:	09-02-25
SCALE:	AS NOTED
DRAWN:	MR
SHEET:	04.C

TEG

THOMPSON ENGINEERING GROUP, INC.

1440 Vineyard Road, Suite 400, Orlando, FL 32811

PH: (407) 734-1500

FW: (407) 734-1500

www.teg.com

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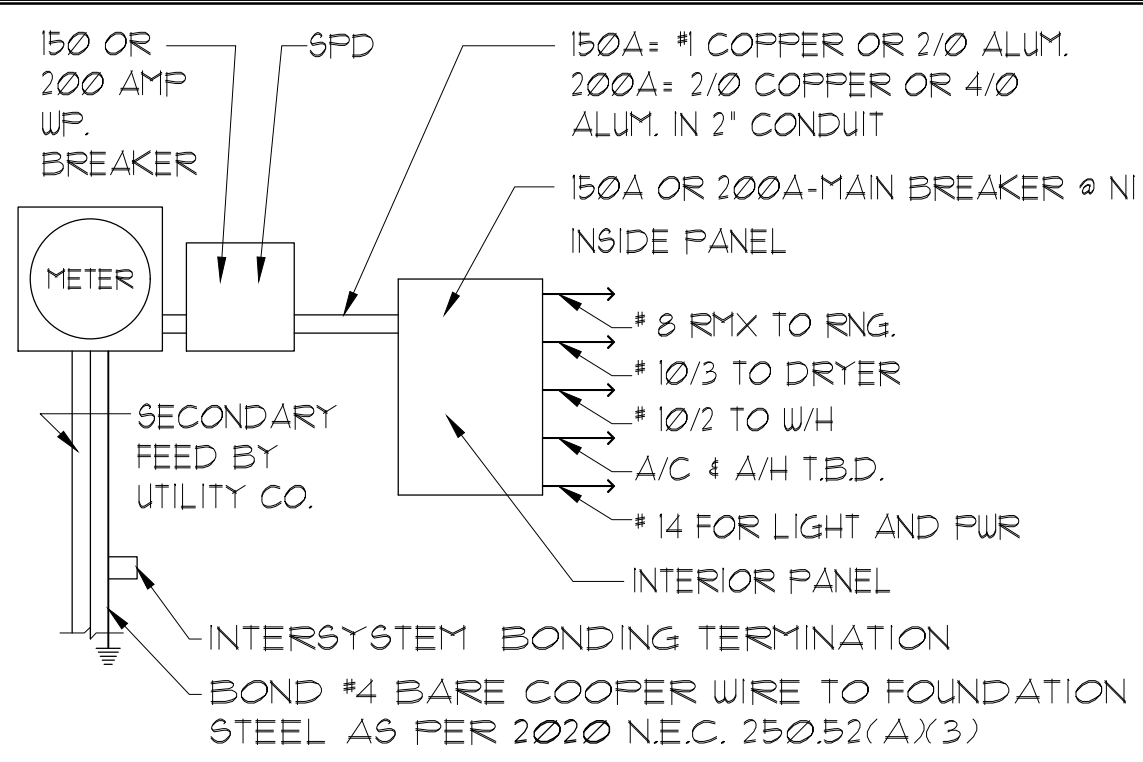
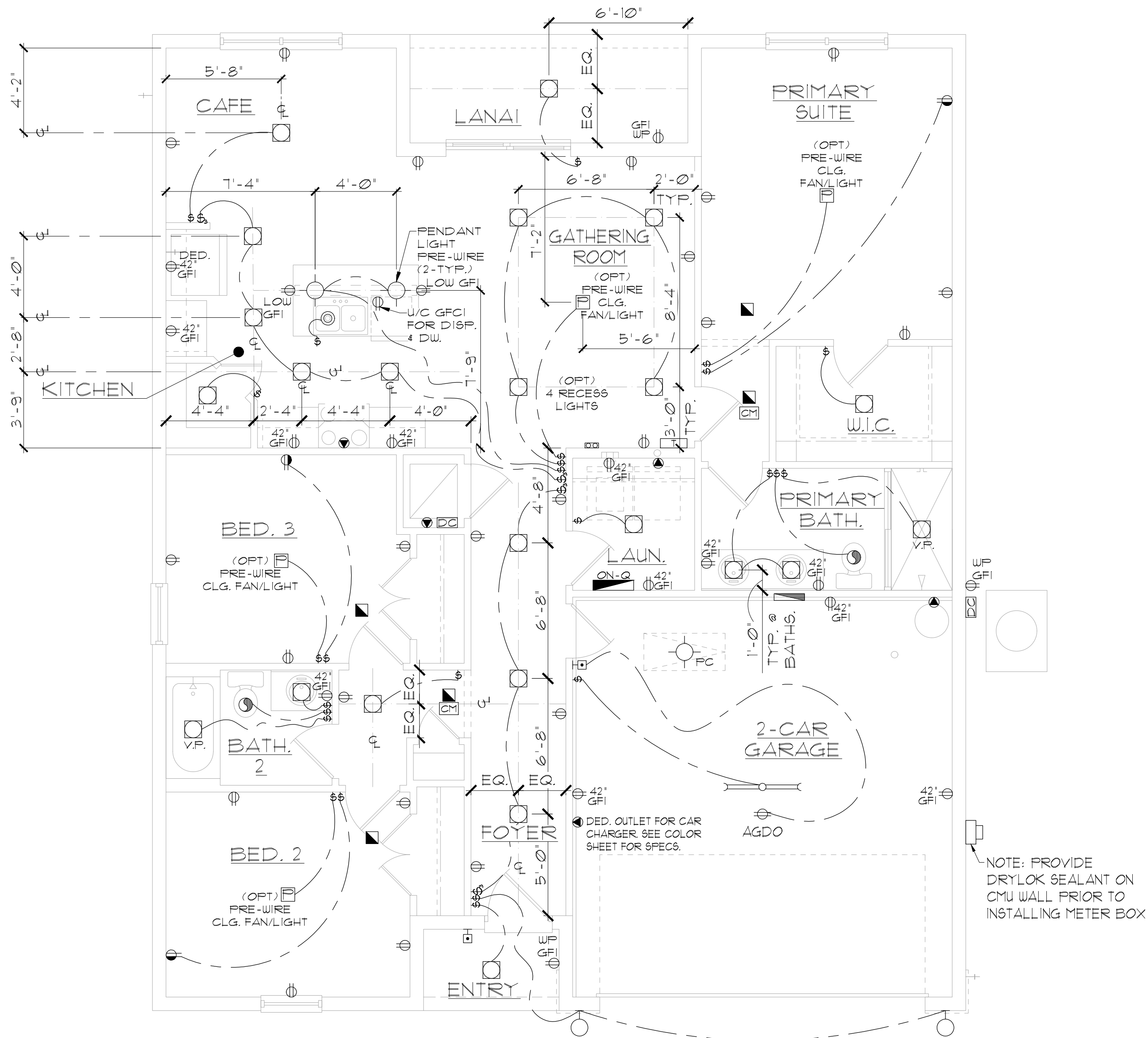
5200 Vineyard Road, Suite 200

Orlando, Florida 32811

Phone: (407) 529 - 3000

Park Square HOMES

ROOF PLAN



NOTES:
1. ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)(1) TO (6), NFPA 70, LOCAL CODES, AND THE LOCAL POWER/ UTILITY COMPANY.
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3. SEE GENERAL NOTES PAGE FOR ADDITIONAL INFORMATION.

250.52(A)(3) Concrete-Encased Electrode.
Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. There are two types of concrete-encased electrodes: (1) steel reinforcing bars or rods which are not less than 1/2 inch in diameter and at least 20 ft. long, encased in 2 inches of concrete; (2) 20 ft. of bare copper conductor not smaller than No. 4 AWG encased in 2 inches of concrete. The steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive material. Section 250.50 requires a concrete-encased electrode to be connected to the grounding electrode system if it is present. Several states have modified this requirement to say a concrete-encased electrode must be used as a grounding electrode only if it is available. In those jurisdictions, if the footings or foundations have been poured before the electrical contractor arrives at the site, and a reinforcing rod is not available for use as a grounding electrode, then a grounding connection to the reinforcing rod is not required.

ELECTRICAL LEGEND		
⌚	SINGLE POLE SWITCH	◀ OUTLET, PHONE
⌚	THREE WAY SWITCH	◻ INTERCOM
⊖	OUTLET 110-115	⊞ CHIMES
⊖	OUTLET 110-115, SPLIT WIRED	⬢ SMOKE DETECTOR/SMOKE ALARM W/ INTEGRATED SOUNDER BASE
⊖	OUTLET 110-115, W/ USB	⊞ CARBON MONOXIDE
⊖	OUTLET 110-115, CEILING MOUNTED	⊞ PUSH BUTTON
⊖	OUTLET 110-115, FLOOR MOUNTED	⊞ EXHAUST FAN
⬢	SPECIAL PURPOSE 220-240	⊞ EX. FAN/LIGHT COMBO
⊙	LIGHT FIXTURE, CEILING MOUNTED	⊞ DISPOSAL
⊙	LIGHT FIXTURE, WALL MOUNTED	⊞ ON-Q PANEL
⊞	LED LIGHT FIXTURE, RECESSED	⊞ ELECTRICAL PANEL
⊞	LIGHT FIXTURE, RECESSED ADJUST.	⊞ CEILING FAN, PREWIRED
⊞	LIGHT FIXTURE, PULL CHAIN	⊞ CEILING FAN, INSTALL
⊞	LED LIGHT FIXTURE, FLUORESCENT	⊞ ELEC. JUNCTION BOX
⊞	LIGHT FIXTURE, EXTERIOR FLOODS	⊞ THERMOSTAT
⊞	LIGHT FIXTURE, EMERGENCY EXIT	⊞ DISCONNECT SWITCH
⊞	LIGHT FIXTURE, EXIT/BACKUP	⊞ ELEC. POWER METER
⊞	OUTLET, TV/CABLE	

ELECTRICAL DEVICES		ABOVE FIN. FLR.
SWITCHES AND WALL OUTLETS OVER COUNTERS	48" TO C.L.	
REMAINING SWITCHES	48" TO C.L.	
WALL OUTLETS	12" TO C.L.	
TELEPHONE OUTLETS	12" TO C.L.	
TELEVISION OUTLETS	12" TO C.L.	
EXTERIOR GFI'S	12" TO C.L.	
GARAGE GFI'S (ABOVE GARAGE FLOOR)	48" TO C.L.	
THERMOSTAT	54" TO C.L.	
DOOR BELL CHIMES	84" TO C.L.	
DOOR BELL BUTTON	84" TO C.L.	
KITCHEN HOOD FAN "WHIP"	LEVEL W/ DOOR HANDLE	
KITCHEN WALL HUNG MICROWAVE RECEPTACLE	66" TO C.L.	
KITCHEN DISHWASHER RECEPTACLE	16" TO C.L.	
KITCHEN RANGE	UNDER SINK	
KITCHEN REFRIGERATOR	48" TO C.L.	
WASHER/DRYER OUTLET	36" TO C.L.	
HOLLYWOOD LIGHTS	84" TO C.L.	

C.L. = CENTER LINE

NOTE: SEE FINAL COLOR SHEET FOR TV, FANS & PHONE LOCATIONS
NOTE: ELEC. CONTRACTOR TO VERIFY IF ON-Q IS NEEDED PER COMMUNITY SPECS.

ELEVATION A & C STD UTILITY PLAN

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

1425 ARIES

40' EXPLORATION SERIES

REVISIONS

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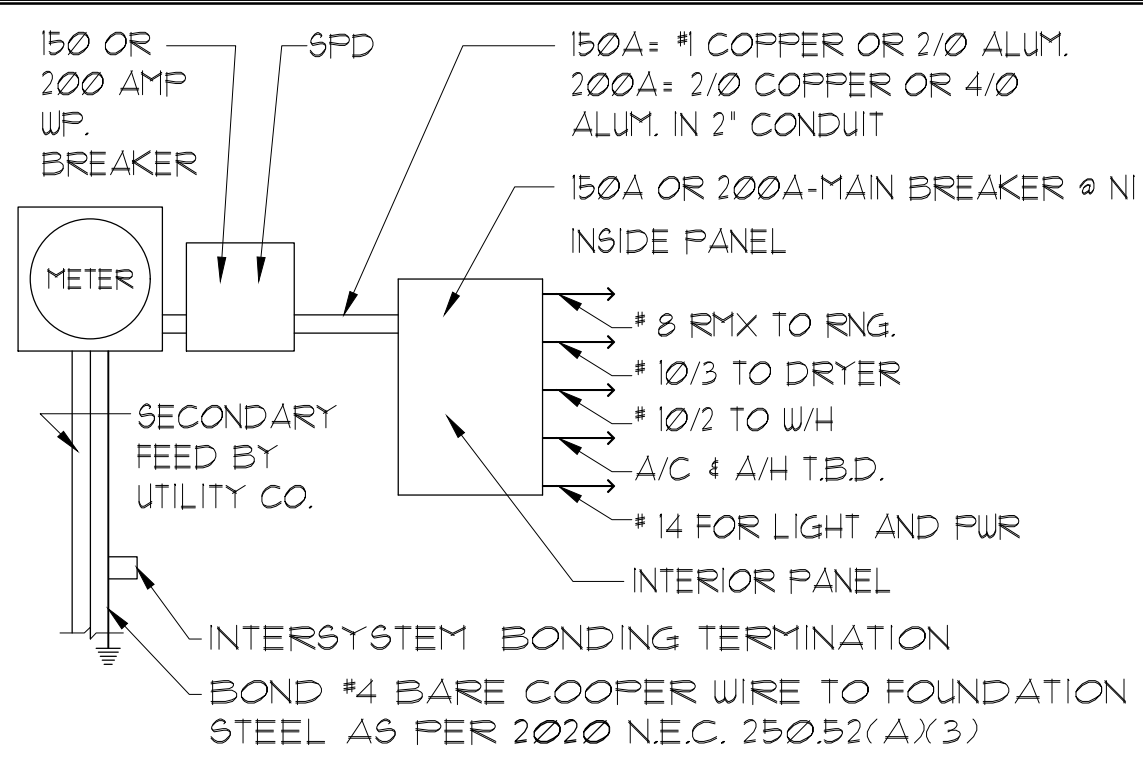
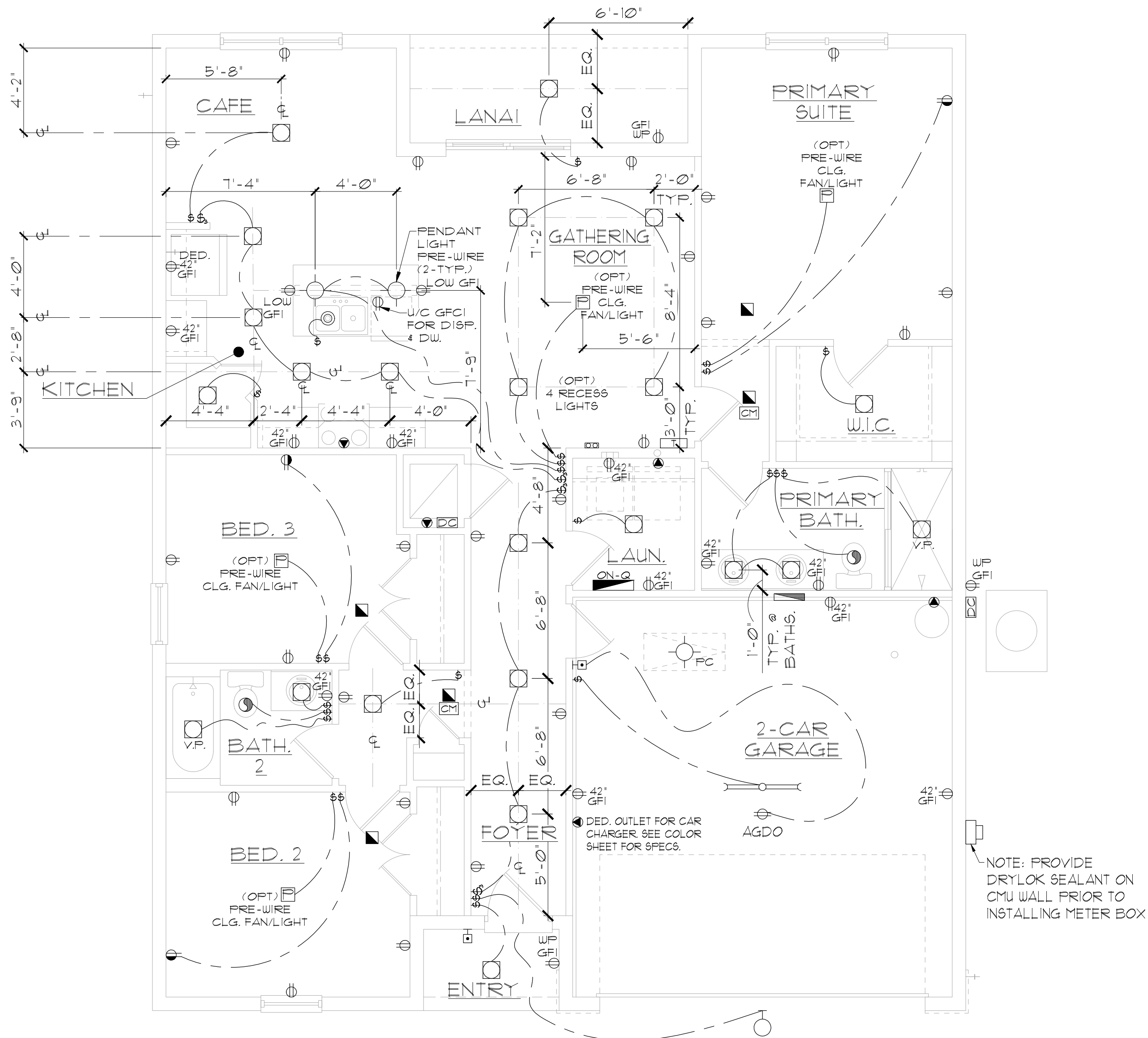
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ELECTRICAL RISER DIAGRAM
N.T.S.

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⊙	LIGHT FIXTURE, WALL MOUNTED	▣ ON-Q PANEL
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⊙	LIGHT FIXTURE, RECESSED ADJUST.	▣ CEILING FAN, PREWIRE
⊙	LIGHT FIXTURE, PULL CHAIN	▣ CEILING FAN, INSTALL
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⊙	LIGHT FIXTURE, EXTERIOR FLOODS	▣ THERMOSTAT
⊙	LIGHT FIXTURE, EMERGENCY EXIT	⊖ DISCONNECT SWITCH
⊙	LIGHT FIXTURE, EXIT/BACKUP	⊖ ELEC. POWER METER
⊙	OUTLET, TV/CABLE	

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DOOR BELL CHIMES	84" TO CL.	
DOOR BELL BUTTON	84" TO CL.	
KITCHEN HOOD FAN "WHIP"	LEVEL W/ DOOR HANDLE	
KITCHEN WALL HUNG MICROWAVE RECEPTACLE	66" TO CL.	
KITCHEN DISHWASHER RECEPTACLE	16" TO CL.	
KITCHEN RANGE	UNDER SINK	
KITCHEN REFRIGERATOR	48" TO CL.	
WASHER/DRYER OUTLET	36" TO CL.	
HOLLYWOOD LIGHTS	84" TO CL.	

CL. = CENTER LINE

NOTE: SEE FINAL COLOR SHEET FOR TV, FANS & PHONE LOCATIONS
NOTE: ELEC. CONTRACTOR TO VERIFY IF ON-Q IS NEEDED PER COMMUNITY SPECS.

ELEVATION B STD
UTILITY PLAN

1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

1425 ARIES

40' EXPLORATION SERIES

REVISIONS

DELTA #	DATE

DATE: 03-02-25

SCALE: AS NOTED

DRAWN: M/R

SHEET: 1

LOT: 0000, COMMUNITY

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

ITEC

THOMPSON ENGINEERING GROUP, INC.

4441 Vineland Road Suite A6 Orlando, FL 32811

Phone: (407) 734-1700

Fax: (407) 734-1700

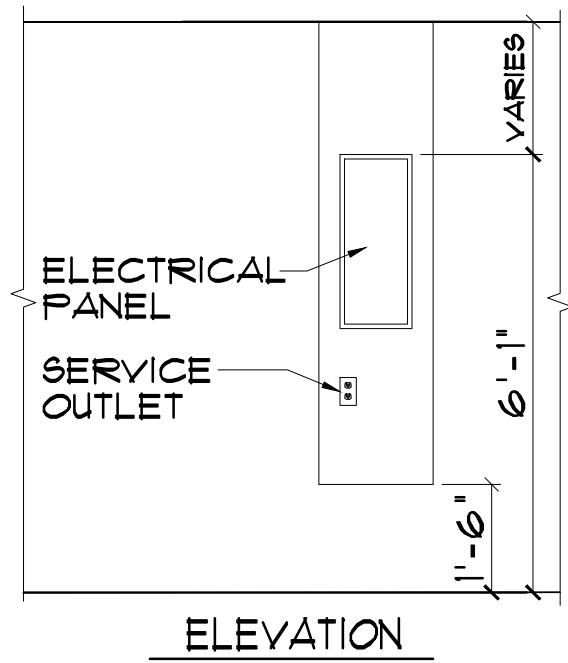
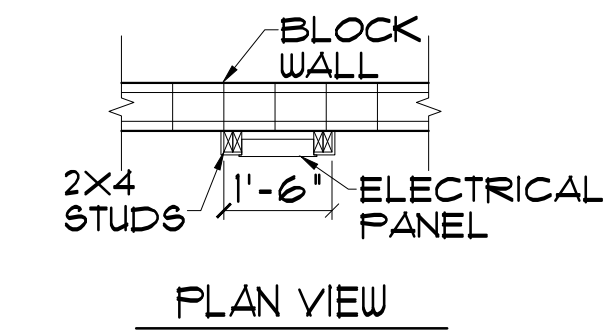
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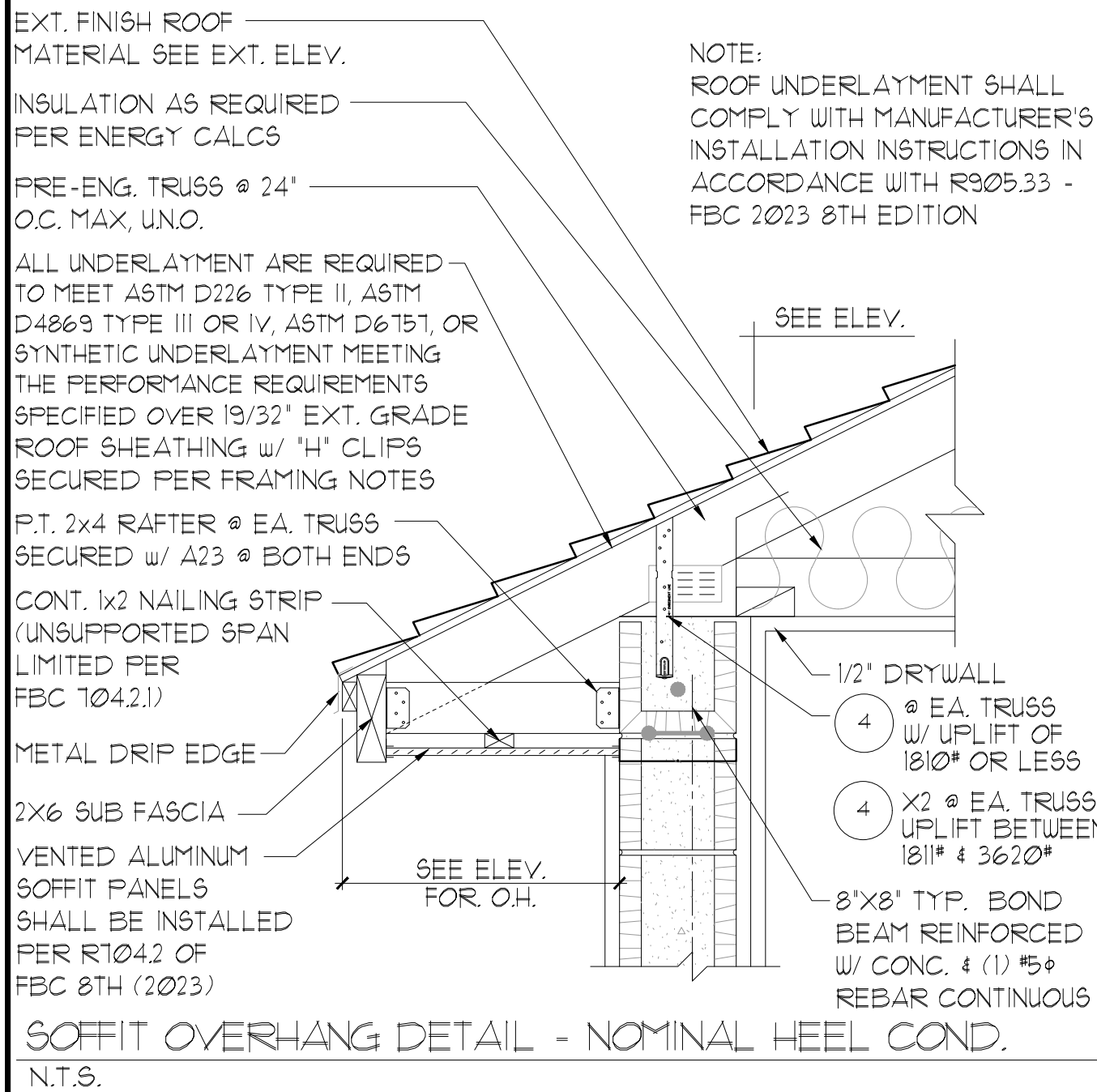
5200 Vineland Road, Suite 200

Orlando, Florida 32811

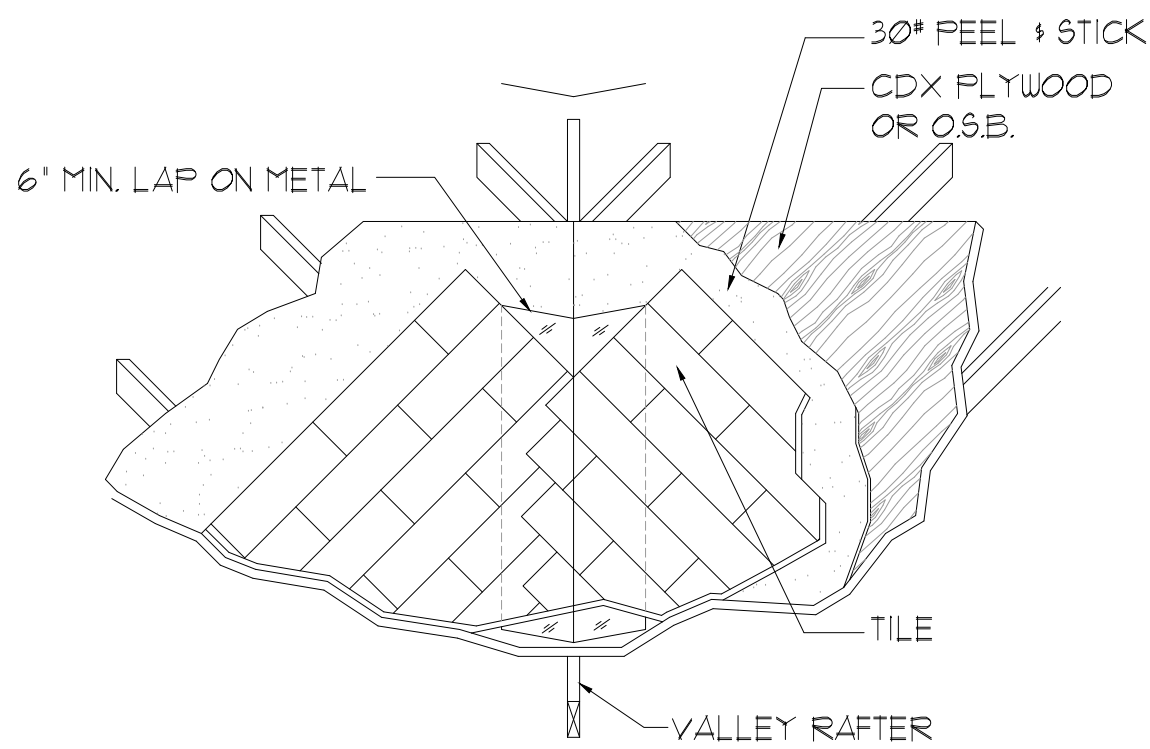
Phone: (407) 529 - 3000



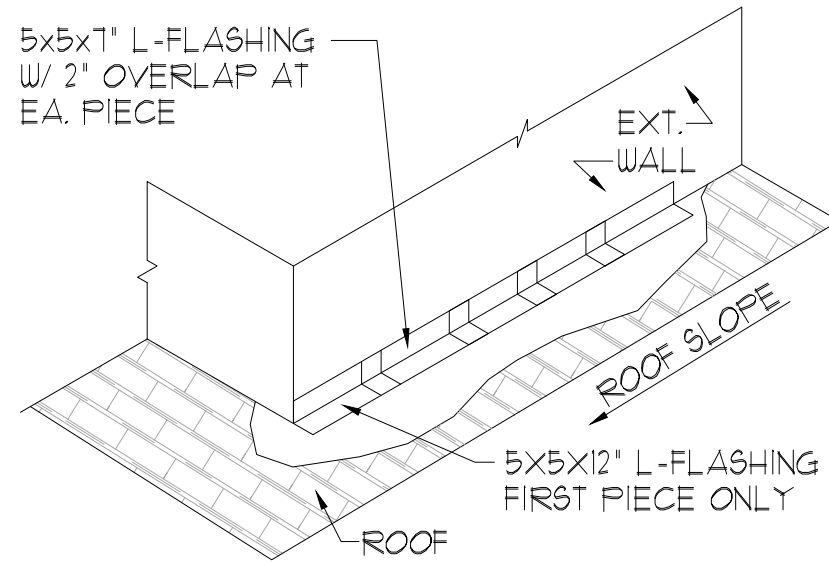
ELEC. PANEL DETAIL
N.T.S.



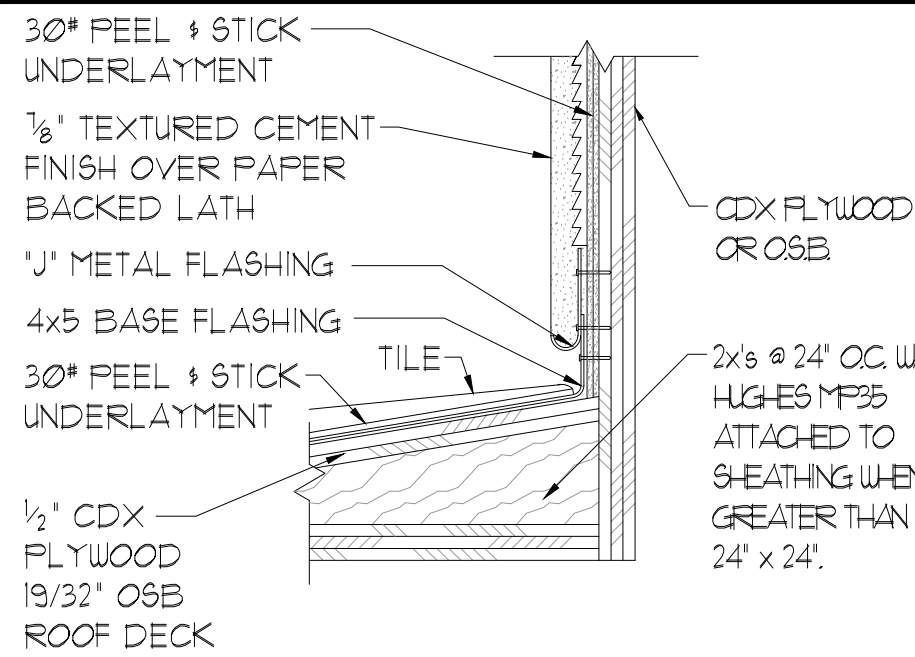
SOFFIT OVERHANG DETAIL - NOMINAL HEEL COND.
N.T.S.



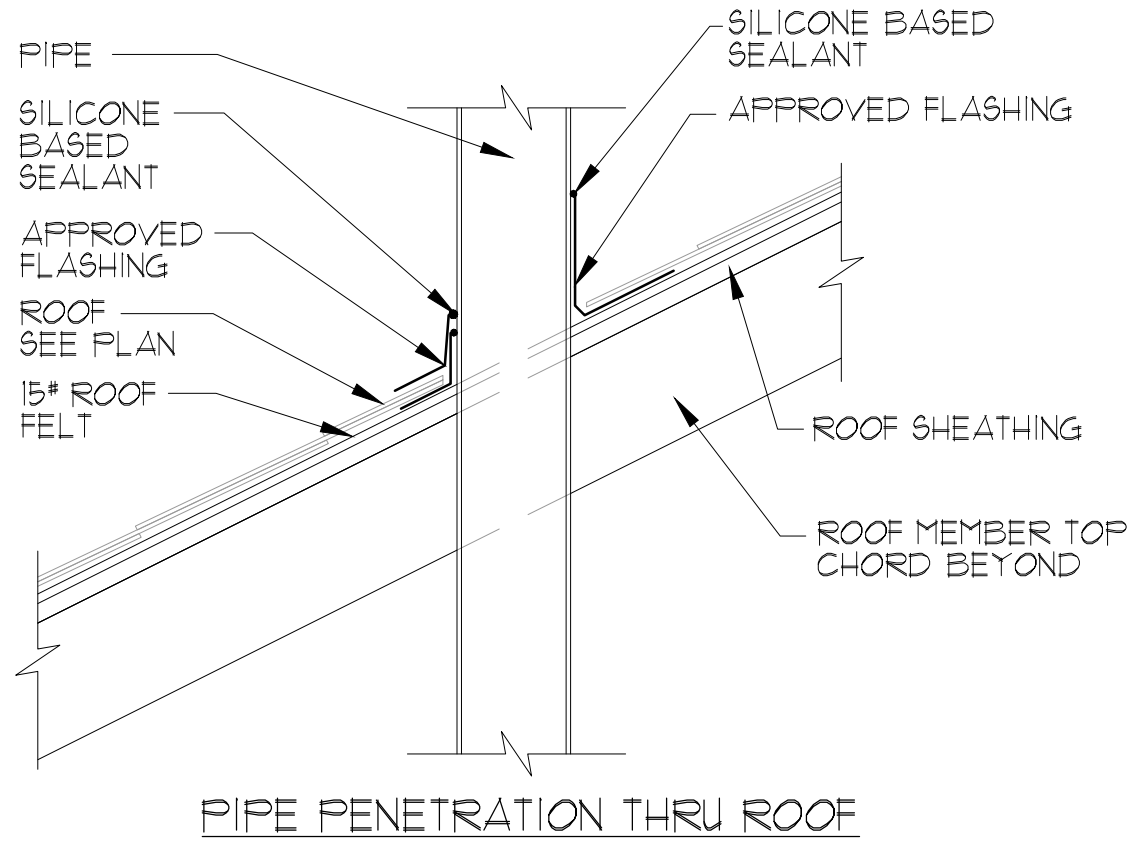
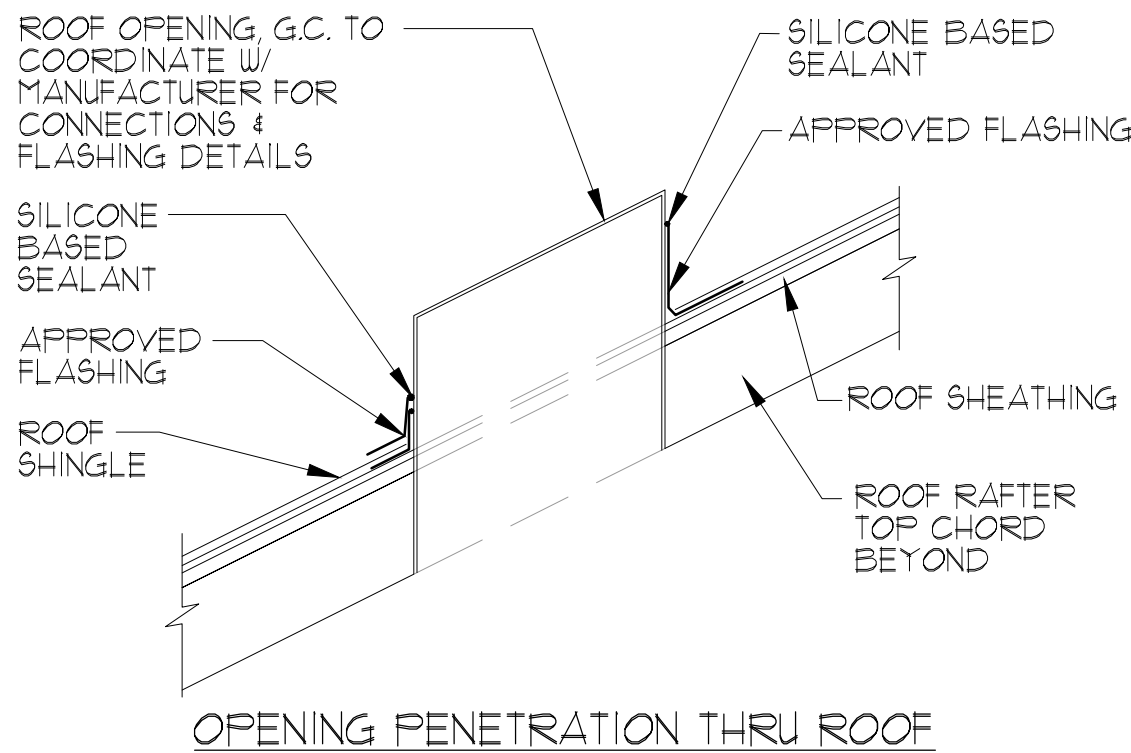
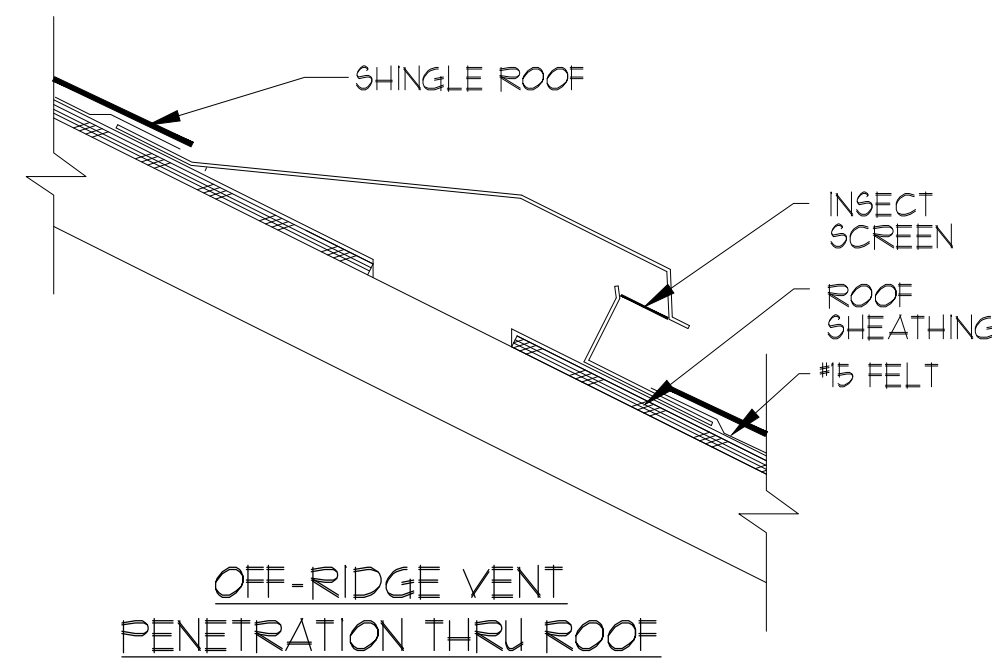
VALLEY FLASHING DETAIL
R303.2 Locations. N.T.S.
Flashings shall be installed at wall and roof intersections, wherever there is a change in roof slope or direction and around roof openings. Where flashing is of metal, the metal shall be corrosion resistant with a thickness of not less than provided in Table R303.2.1. OR IN COMPLIANCE WITH RA5 III.



FLASHING DETAIL TO COMPLY WITH
R303.2 OF THE FBC 2023 - 8TH ED.
STEP WALL FLASHING
N.T.S.



ROOF TO WALL FLASHING DETAIL
N.T.S.



ROOF PENETRATION DETAIL
SCALE: N.T.S.

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 000, COMMUNITY

REVISIONS
DELTA # DATE
DATE: XX-XX-24
SCALE: AS NOTED
DRAWN: MR
SHEET: AD1

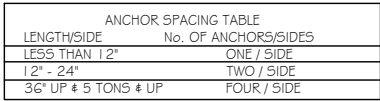
ITEG
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A DIVISION OF PARK SQUARE
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5200 Vineland Road, Suite 200
Orlando, Florida 32811
Phone: (407) 529 - 3000

Park Square
HOMES

DETAILS

DETAILS



1 COND. ANCHOR DETAIL
N.T.S.

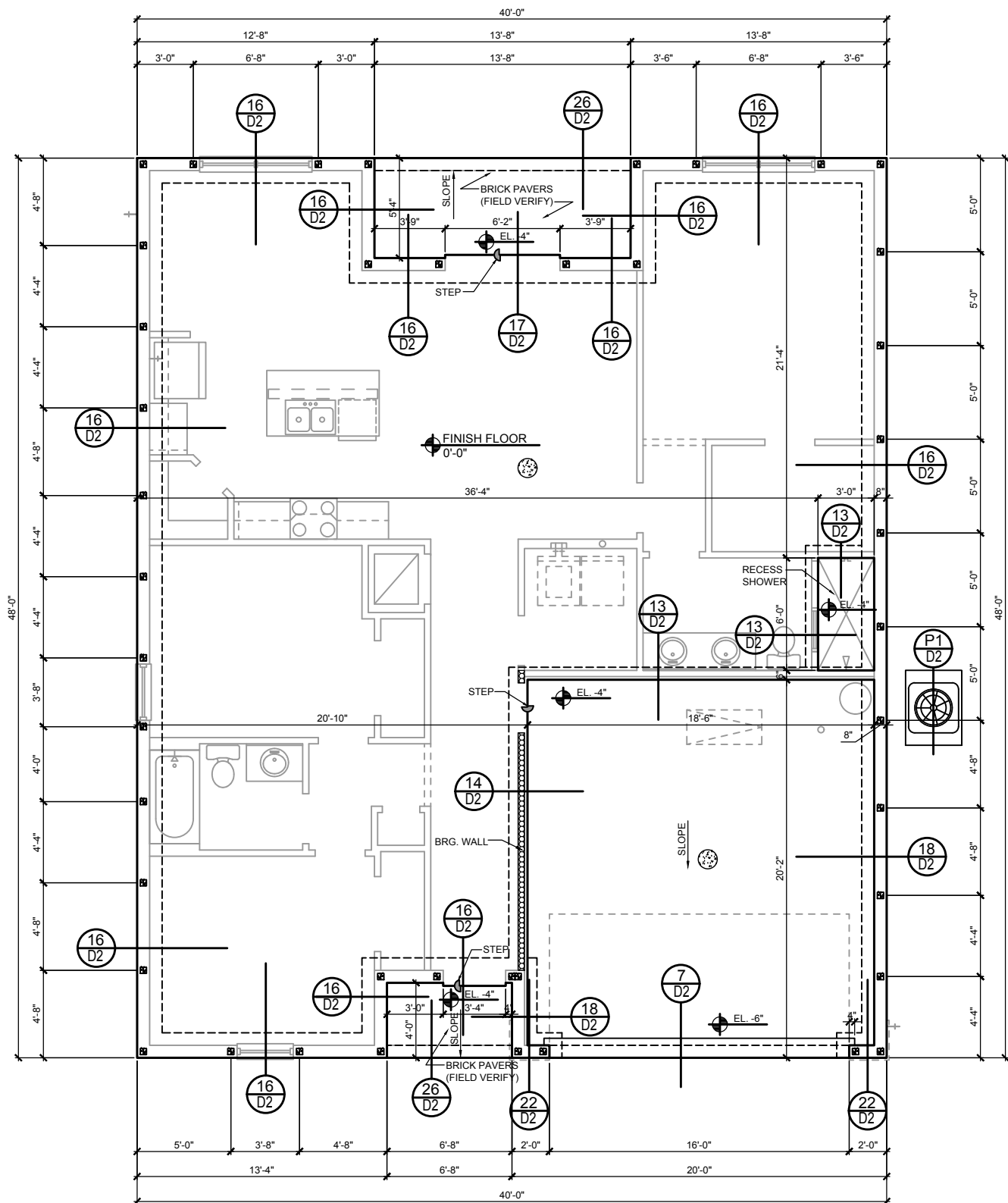
1- MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.

2- BLOCK WALL OVERHANGING SLAB CONDITION: UP TO 7/8" - NO REPAIR NECESSARY 7/8" TO 1 1/4" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 1 1/4" + - REQUIRE SPECIAL ENGINEERING LETTER.

3- PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES ON A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS 12 @ TOP AND BOTTOM PLATE.

CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS RELATIVE TO SAME. WHERE THERE ARE CONFLICTS BETWEEN ACTUAL FIELD CONDITIONS AND DATA PRESENTED IN THE DRAWINGS, SUCH CONDITIONS SHALL BE CALLED TO THE ARCHITECT'S AND OR TO THE ENGINEER OF RECORD'S (EOR) ATTENTION AND NECESSARY ADJUSTMENTS MADE PER THEIR INSTRUCTIONS.

1. CONTRACTOR VERIFY ALL DIMENSIONS ON JOB SITE.
2. DENOTES FILL CELL REIN. W/ CONC. W/ 1- #5 REBAR. GRADE 60.
DENOTES FILL CELL RE_NE_ W/ CONC. W/ 2-#5 REBAR. GRADE 60.
3. DENOTES FLOOR SLAB OF PLANT MIX CONCRETE 2,500 P.S.I.
4" THICK WITH G&G 1010 GAUGE REINFORCING MAT. W/ MIN.
0.006mm (6mil) POLYETHYLENE VAPOR BARRIER OVER
COMPACTED CLEAN FILL. WWF SHALL BE PLACE IN MIDDLE TO
UPPER THIRD OF SLAB AND SUPPORTED ON APPROVED SLAB
BOLSTERS. *FIBER MESH REINFORCEMENT MAY USED AS
ALTERNATIVE TO WIRE.
4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM
CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR
ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR
CLARIFICATION.
5. WATER HEATER T&P RELIEF VALVE SHALL E FULL SIZE TO
EXTERIOR. WATER HEATER AT OR ABOVE FLOOR LEVEL G1-FALL E
IN A FAN WITH DRAIN TO EXTERIOR. WATER HEATER SHALL HAVE
APPROVED THERMAL EXPANSION DEVICE
6. PAVERS MAY BE USED ILO CONCRETE SLABS IN PATIO, PORCH,
DRIVE AND WALKWAY AREAS. DELETE SLAB IN AREAS PAVERS
ARE USED.
7. MECHANICAL EQUIP. LOCATIONS WILL BE DETERMINED BY
COMMUNITY AND COUNTY CODES.
8. IN LIEU OF TREATING THE SOIL, AN ALTERNATIVE TO TERMITE
TREATED SOIL CA BE PREMISE 75 WP TERMICIDE.
9. BORA-CARE TO BE APPLIED ON INTERIOR WALLS W/
MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS,
PURSUANT FLORIDA BUILDING CODE LATEST EDITION.



FOUNDATION PLAN
A, B, C (STANDARD)
 1/8"=1'-0" (11x17) 1/4"=1'-0" (22x37)

1/8"=1'-0" (11x17) 1/4"=1'-0" (22x37)

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2003 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000. COMMUNITY

TEG
THOMPSON ENGINEERING GROUP, INC.
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www.tegi.com

**A DIVISION OF PARK SQUARE
ENTERPRISES, INC.
5200 Vineland Road, Suite 200
Orlando, Florida 32811
Phone: (407) 529 - 3000**

Park Square HOMES

FOUNDATION PLAN

1425 ARIES

40' EXPLORATION SERIES

REVISIONS

DELTA # | DATE

DATE: 09-02-

SCALE: AS NOTE

DRAWN: M

SHEET:

S1

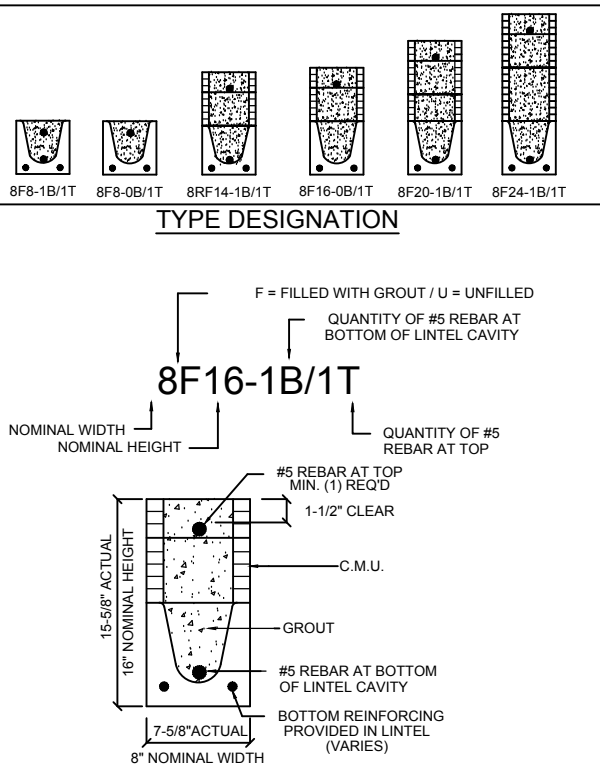
DISCLAIMER: CONTRACTOR/SUB-CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. PARK SQUARE HOMES IS NOT RESPONSIBLE FOR ANY MISINTERPRETATIONS, ERRORS, OMISSIONS OR CUSTOM CHANGES MISSED AND NOT REPORTED PRIOR TO CONSTRUCTION. NO EXCEPTIONS.

SAFE LOAD TABLES FOR GRAVITY, UPLIFT & LATERAL LOADS											
8" PRECAST & PRESTRESSED U-LINTELS											
GRAVITY											
LENGTH	TYPE	8U8	8F8-0B 8F8-1B	8F12-0B 8F12-1B	8F16-0B 8F16-1B	8F20-0B 8F20-1B	8F24-0B 8F24-1B	8F28-0B 8F28-1B	8F32-0B 8F32-1B		
2'-10" (34")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936		
3'-6" (42")	PRECAST	2302	3138	3377	4689	6001	7315	8630	9947		
4'-0" (48")	PRECAST	2029	3166	4473	6039	7526	9004	10472	11936		
4'-6" (54")	PRECAST	1651	2325	2496	3467	4438	5410	6384	7358		
5'-4" (64")	PRECAST	1184	2646	4473	6039	7526	9004	10472	11936		
5'-10" (70")	PRECAST	972	1787	1913	2657	3403	4149	4896	5644		
6'-6" (78")	PRECAST	937	2170	4027	6039	7526	9004	10472	9668		
7'-6" (90")	PRECAST	767	1223	1304	1896	2317	2826	3336	3846		
8'-0" (96")	PRECAST	670	1665	2889	5057	8096	5400	6424	7450		
8'-8" (104")	PRECAST	618	1000	1059	1474	1889	2304	2721	3137		
9'-4" (112")	PRECAST	573	1459	2464	4144	5458	4437	5280	6122		
10'-6" (126")	PRECAST	456	1255	2101	3263	2746	3358	3971	4585		
11'-4" (136")	PRECAST	445	1255	2101	3396	5260	7134	8995	6890		
12'-0" (144")	PRECAST	414	1029	1675	2385	1994	2439	2886	3333		
13'-4" (160")	PRECAST	362	1029	1675	2610	3839	5596	6613	5047		
14'-0" (168")	PRECAST	338	830	1362	1927	1602	1961	2320	2680		
14'-8" (176")	PRESTRESSED	N.R.	899	1445	2214	3192	4533	6513	4087		
15'-4" (184")	PRESTRESSED	N.R.	767	1257	1779	1479	1810	2142	2474		
17'-4" (208")	PRESTRESSED	N.R.	829	1332	2044	2946	4184	6012	3773		
19'-4" (232")	PRESTRESSED	N.R.	632	1049	1469	1210	1482	1754	2027		
21'-4" (256")	PRESTRESSED	N.R.	768	1212	1818	2544	3469	4030	3127		
22'-0" (264")	PRESTRESSED	N.R.	482	802	1125	915	1122	1328	1535		
24'-0" (288")	PRESTRESSED	N.R.	658	1025	1514	2081	2774	3130	2404		
			598	935	1365	1854	2355	1793	2075		
			598	935	1365	1854	2441	3155	4044		
			545	864	1254	1689	2074	1570	1818		
			555	864	1254	1693	2211	2832	3590		
			427	726	1028	1331	1635	1224	1418		
			485	748	1076	1438	1855	2343	2920		
			381	648	919	1190	1462	1087	1260		
			455	700	1003	1335	1714	2153	2666		
			NR	NR	NR	NR	NR	NR	NR		
			465	765	1370	2045	2610	3185	3765		
			NR	NR	NR	NR	NR	NR	NR		
			420	695	1250	1855	2370	2890	3410		
			NR	NR	NR	NR	NR	NR	NR		
			310	530	950	1400	1800	2200	2600		
			NR	NR	NR	NR	NR	NR	NR		
			240	400	750	1090	1400	1720	2030		
			NR	NR	NR	NR	NR	NR	NR		
			163	330	610	940	1340	1780	2110		
			NR	NR	NR	NR	NR	NR	NR		
			160	300	570	870	1250	1660	1970		
			NR	NR	NR	NR	NR	NR	NR		
			130	240	470	720	1030	1350	1610		

8" PRECAST W/ 2" RECESS DOOR U-LINTELS											
GRAVITY											
LENGTH	TYPE	8RU6	8RF6-0B 8RF6-1B	8RF10-0B 8RF10-1B	8RF14-0B 8RF14-1B	8RF18-0B 8RF18-1B	8RF22-0B 8RF22-1B	8RF26-0B 8RF26-1B	8RF30-0B 8RF30-1B		
4'-4"(52")	PRECAST	1489	1591	3053	2982	3954	4929	5904	6880		
4'-6"(54")	PRECAST	1357	1827	3412	4982	6472	7947	9416	10878		
5'-8"(68")	PRECAST	785	1449	2782	2714	3600	4487	5375	6264		
5'-10"(70")	PRECAST	735	1702	3412	4982	6472	7947	9416	10878		
6'-8"(80")	PRECAST	822	832	1602	1550	2058	2566	3075	3585		
7'-6"(90")	PRECAST	665	1153	2162	4074	6472	6516	5814	6839		
9'-8"(116")	PRECAST	371	779	1500	1449	1924	2400	2876	3352		
			1103	2051	3811	6472	6516	5450	6411		
			907	1677	2933	2576	3223	3872	4522		
			907	1677	2933	4100	6730	8177	6707		
			761	1377	2252	1958	2451	2944	3439		
			764	1377	2329	3609	5492	6624	5132		
			420	834	1253	1071	1342	1614	1886		
			535	928	1497	2179	2618	3595	2875		

8" PRECAST & PRESTRESSED U-LINTELS											
UPLIFT										LATERAL	
LENGTH	TYPE	8F8-1T 8F8-2T	8F12-1T 8F12-2T	8F16-1T 8F16-2T	8F20-1T 8F20-2T	8F24-1T 8F24-2T	8F28-1T 8F28-2T	8F32-1T 8F32-2T	8U8	8F8	
2'-10" (34")	PRECAST	2727	2878	4101	5332	6569	7811	9055	2021	2021	
3'-6" (42")	PRECAST	2165	2727	2784	3981	5190	6407	7630	1257	1257	
4'-0" (48")	PRECAST	1878	2165	2289	3260	4237	5219	6204	938	938	
4'-6" (54")	PRECAST	1680	1878	1989	2832	3680	4532	5387	727	727	
5'-4" (64")	PRECAST	1393	1680	1762	2507	3257	4010	4767	505	505	
5'-10" (70")	PRECAST	1141*	1393	1484	2110	2741	3376	4010	418	418	
6'-6" (78")	PRECAST	1141	1272*	1357	1930	2505	3084	3665	707	887	
7'-6" (90")	PRECAST	959*	1272	1315	1875	2441	3010	3583	591	657	
9'-4" (112")	PRECAST	801	1141*	1182	1684	2192	2703	3216	454	630	
10'-6" (126")	PRECAST	716*	959*	912	1475	1914	2354	2797	396	493	
11'-4" (136")	PRECAST	666*	801	755	1192	1550	1910	2271	363	556	
12'-0" (144")	PRECAST	607*	716*	498	793	1027	1261	1496	340	494	
13'-4" (160")	PRECAST	573	607*	439	696	899	1104	1309	302	398	
14'-0" (168")	PRECAST	548	573	316	493	635	778	922	286	360	
14'-8" (176")	PRESTRESSED	243	548	295	459	591	724	857	N.R.	357	
15'-4" (184")	PRESTRESSED	228	243	352	582	852	1156	1491	N.R.	325	
17'-4" (208")	PRESTRESSED	188	228	278	430	553	677	801	N.R.	257	
19'-4" (232")	PRESTRESSED	165	188	236	361	464	567	670	N.R.	204	
21'-4" (256")	PRESTRESSED	145	165	239	383	550	736	940	N.R.	172	
22'-0" (264")	PRESTRESSED	137	145	186	278	356	433	512	N.R.	161	
24'-0" (288")	PRESTRESSED	127	137	205	322	457	607	771	N.R.	135	
		124	127	186	290	408	538	680			

*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR



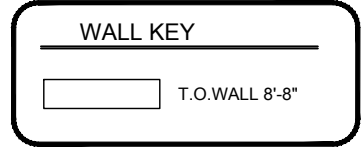
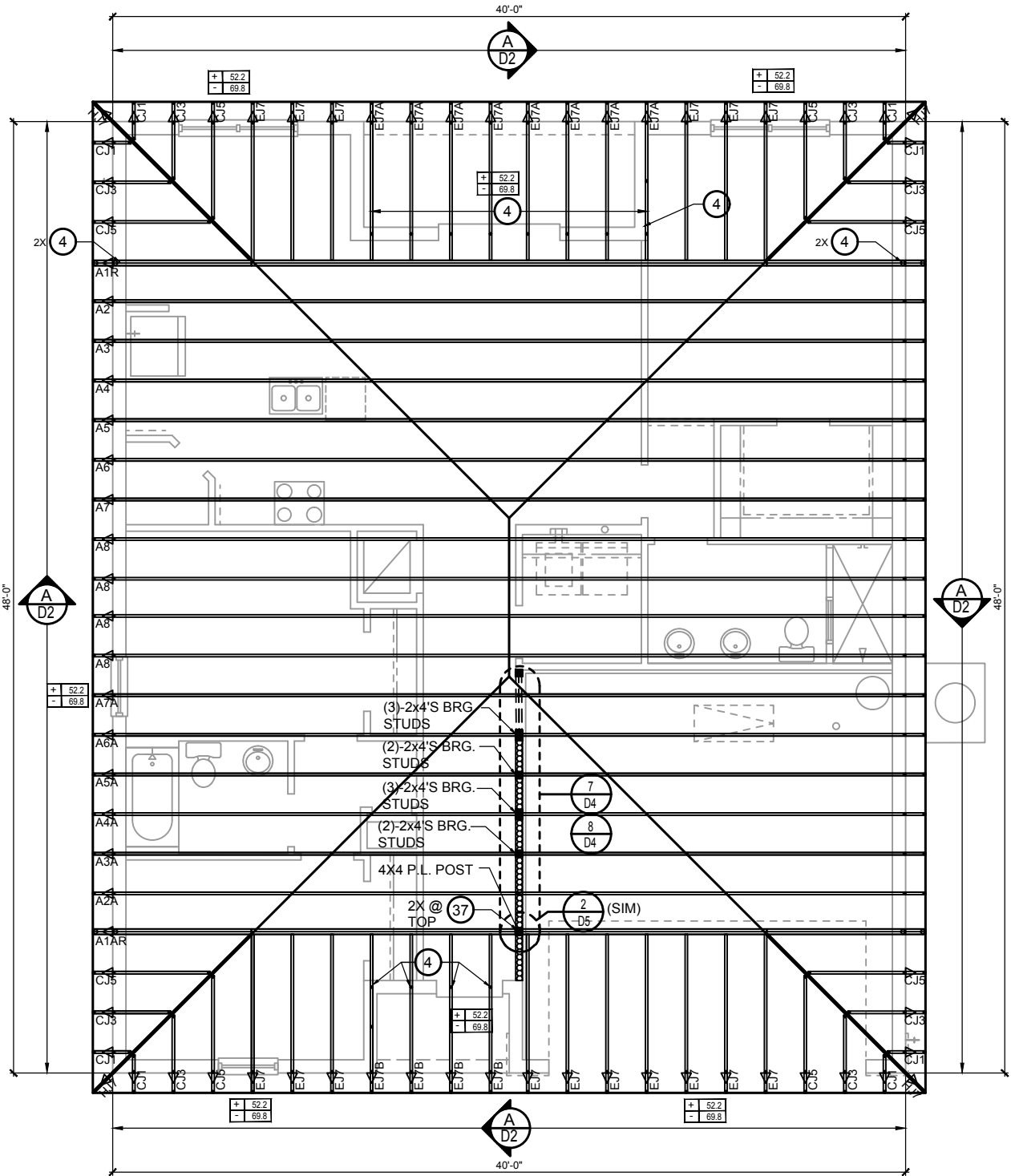
- MATERIALS**
1. Fc precast lintels = 3500 psi.
 2. Fc prestressed lintels = 6000 psi.
 3. Fc grout = 3000 psi w/ maximum 3/8" aggregate.
 4. Concrete masonry units (CMU) per ASTM C90 w/ minimum net area compressive strength = 1900 psi.
 5. Rebar provided in precast lintel per ASTM A615 GR60. Field rebar per ASTM A615 GR40 or GR60.
 6. Prestressing strand per ASTM A416 grade 270 low relaxation.
 7. 7/32 wire per ASTM A510.
 8. Mortar per ASTM C270 type M or S.
- GENERAL NOTES**
1. Provide full mortar head and bed joints.
 2. Shore filled lintels as required.
 3. Installation of lintel must comply with the architectural and/or structural drawings.
 4. Lintels are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
 5. All lintels meet or exceed L/360 vertical deflection, except lintels 17'-4" and longer with a nominal height of 8" meet or exceed L/180.
 6. Bottom field added rebar to be located at the bottom of the lintel cavity.
 7. 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
 8. Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
 9. Safe load ratings based on rational design analysis per ACI 318 and ACI 530

- SAFE LOAD TABLE NOTES**
1. All values based on minimum 4" bearing. Exception: Safe loads for unfilled lintels must be reduced by 20% if bearing length is less than 6-1/2". Safe loads for all recessed lintels based on 8" nominal bearing.
 2. N.R. = Not Rated.
 3. Safe loads are total superimposed allowable load on the section specified.
 4. Safe loads based on grade 40 or grade 60 field rebar.
 5. Additional lateral load capacity can be obtained by the designer by providing additional reinforced masonry above the precast lintel.
 6. One #7 rebar may be substituted for two #5 rebars in 8" lintels only.
 7. The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d-away from the face of support.
 8. For composite lintel heights not shown, use safe load from next lower height.
 9. All safe loads in units of pounds per linear foot.

8" PRECAST W/ 2" RECESS DOOR U-LINTELS											
UPLIFT									LATERAL		
LENGTH \ TYPE	8RF6-1T 8RF6-2T	8RF10-1T 8RF10-2T	8RF14-1T 8RF14-2T	8RF18-1T 8RF18-2T	8RF22-1T 8RF22-2T	8RF26-1T 8RF26-2T	8RF30-1T 8RF30-2T	8RU6	8RF6		
4'-4" (52") PRECAST	1244	1573	2413	3260	4112	4967	5825	932	932		
4'-6" (54") PRECAST	1244	1519	2339	3170	4008	4850	5696	832	832		
4'-6" (54") PRECAST	1192	1507	2311	3121	3937	4756	5577	853	853		
4'-6" (54") PRECAST	1192	1455	2240	3036	3837	4643	5453				
5'-6" (68") PRECAST	924*	1172	1795	2423	3055	3689	4325	501	501		
5'-6" (68") PRECAST	924*	1132	1714	2357	2978	3603	4230				
5'-10" (70") PRECAST	896	1138	1742	2352	2965	3581	4198	469	469		
5'-10" (70") PRECAST	896	1099	1690	2288	2891	3497	4106				
6'-8" (80") PRECAST	778	882	1513	2042	2573	3107	3642	830	1100		
6'-8" (80") PRECAST	778	956	1468	1987	2509	3035	3563				
7'-6" (90") PRECAST	688	697	1325	1810	2280	2753	3227	710	941		
7'-6" (90") PRECAST	688	849	1302	1762	2225	2690	3157				
9'-8" (116") PRECAST	533*	633	808	1123	1413	1704	1995	516	614		
9'-8" (116") PRECAST	533	527	1009	1369	1728	2088	2450				
*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR											

CONNECTOR SCHEDULE

CONNECT. TYPE	SIMPSON		MAX. UPLIFT	LAT. LDS. F1 / F2
	DESCRIPTION	FASTENERS PER CONNECTOR		
4	HETA16	9-10d x 1½"	1,810	65 / 960
5	DETAL20	18-10d x 1½"	2,480	2000/ 1370
20	H3	RFT: 4-8d / PLT: 4-8d	400	210 / 170
21	H1	RFT:6-8dx1½"/PLT:4-8d	480	510 / 165
22	H10S	RFT: 8-8d x 1½"	1010	660/550
		PLT: 8-8d x 1½"		
23	LUS26	HDR: 4-10d/JST: 4-10d	935	N/A
24	H7	RFT / TRS: 4-8d	985	400 / N/A
		PLT / STD: 10-8d		
26	H2.5	RFT:5-8d / PLT: 5-8d	415	150 / 150
34	A34	H:4-8dx1½"/P:4-8dx1½"	365	280 / 303
35	A35F	H:4-8dx1½"/P:4-8dx1½"	440	440 / N/A
37	HTS16	14-10d	1,310	N/A
38	MTS16	14-10d	990	N/A
39	MTS30	14-10d	990	N/A
43	LSTA12	10-10d	905	N/A
45	ST18	14-16d	1,200	N/A
47	LSTA24	18-10d	1,295	N/A
71	MSTA36	26-10d	2,135	N/A
72	MSTC66	64-16d SINKERS	5,495	N/A
79	SP1	STD:6-10d / PLT:4-10d	535	560 / 260
80	SP2	STD:6-10d / PLT:6-10d	605	560 / 260
81	SPH4,6,8	12-10d x 1½"	885	N/A
90	ABU66	12-16d	2,240	N/A
89	CB66	(2) 7/8" BOLTS	2,300	985
92	ABU44	12-16d	2,200	N/A
93	AC6 (MAX)	28-16d	1,815	1,070
94	AC4 (MAX)	28-16d	1,815	1,070
95	HTS20	20-10d	1,450	N/A
96	HD8A	SILL: 7/8" BOLT STUD:(3) 7/8"x5½" BOLTS	7,910	N/A
97	MTSM16	BLOCK: 4-¼"x2¼" TC JOIST : 7-10d	860	N/A
98	HTT4	SILL: 5/8" BOLT STRAP: 18-16d	4,235	N/A
99	A35	H:4-8dx1½"/P:4-8dx1½"	440	440 / N/A
102	HTT5	5/8" BOLT/ 26-10d	4,275	N/A
103	VGTR/L	32-SDS¼"x3"/(2) 7/8" BLT	3,990	N/A
104	HDU8-SDS2.5	7/8" BLT/20-SDS ¼"x2½"	5,020	N/A
110	HCP1.81	(6) 0.148 x 1½"	590	255 / N/A
167	HHUS46	H:14-16d/J:6-16d	1,550	N/A
168	U46	H:8-10d/J:4-10d	710	N/A
181	HUS26	20-16d	1,550	N/A
184	HUC28-2	H:14-16d/J:4-10d	1,085	N/A
214	HUC212-3TF	HD:16-3/16"x1½" TAPCON BM: 6-16d	1,135	N/A
215	HGUS210-2	HDR:46-16d/JST:10-16d	2,720	N/A
216	HUS412	BLOCK: 10-¼"x1½" TC JOIST : 10-16d	3,240	N/A
217	HUS212-2	BLOCK: 10-¼"x1½" TC JOIST : 10-16d	2,630	N/A
219	MBHA412	H:1-ATR3/4X8 TOP&FACE JOIST: 18-10d	3,145	N/A
220	N/A	N/A	1,620	N/A
226	MBHA4.75/12	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	2,160	N/A
231	MBHA3.56/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A
232	MBHA5.50/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A
240	H16	R:2-10dx1½"/P:10-10dx1½"	1,470	480 / N/A
241	LGT2	30-16d-sinker	2000	1015 / 440
301	MGT	(1) 5/8"BLTS./GIR: 22-10d	3,965	N/A
302	HGT-2 or 3	LTL:3/4"BLTS./GIR: 8-10d	6485	N/A
303	HGT-4	LTL:3/4"BLTS./GIR: 16-10d	9,250	N/A
401	SUR/L414	FACE:18-16d/JST:8-16d	1,700	N/A
T	CONNECTORS TO BE SPECIFIED & PROVIDED BY TRUSS MANUFACTURERS			



COMPONENT & CLADDING
DESIGN WIND PRESSURES

SEE PLAN DESIGN WIND PRESSURE

ULTIMATE DESIGNED POSITIVE PRESSURE
ULTIMATE DESIGNED NEGATIVE PRESSURE

NOTE: DESIGN PRESSURES BASED ULTIMATE WIND SPEED
TO OBTAIN NOMINAL "ASD" WIND PRESSURES MULTIPLY VALUES
SHOWN BY A FACTOR OF 0.8

FIELD REPAIR NOTES

1. MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/
A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE
FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR
ETX ADHESIVES.

2. BLOCK WALL OVERHANGING SLAB CONDITION: UP TO
7/8" - NO REPAIR NECESSARY 7/8" TO 1½" - ADD FILLED
CELL (NO VERTICAL STEEL) MIDPOINT OF WALL
BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN
AREAS AFFECTED. 1½" - REQUIRE SPECIAL
ENGINEERING LETTER.

3. PENETRATION OF PLUMBING PIPES/DRYER VENTS
THRU PLATES OF A LOAD BEARING WALL MAY OCCUR
PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF
PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS
NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12
@ TOP AND BOTTOM PLATE

NOTES

1. TYPICAL ROOF GABLE OVERHANG TO BE 12"
UNLESS OTHERWISE NOTED.

2. TYPICAL ROOF EAVES OVERHANG TO BE 16"
UNLESS OTHERWISE NOTED.

3. PROVIDE AND INSTALL FLASHING AND ROOFING
AS PER NATIONAL ROOFING AND SHEET METAL
ASSOC.STANDARDS AND/ OR ACCEPTABLE
INDUSTRY PRACTICE AND IN ACCORDANCE WITH
8TH EDITION (2023)FLORIDA RESIDENTIAL CODE.

4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS,
ETC. TO BE SIZE BY TRUSS MANUFACTURER OR FL
REG. ENG.

5. TRUSSES SHALL BE BRACED TO PREVENT
ROTATION & PROVIDE LATERAL STABILITY KIN
ACCORDANCE WITH THE REQUIREMENTS SPECIFIED
IN THE CONSTRUCTION DOCUMENTS FOR BUILDING
& ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS IN
THE ABSENCE OF SPECIFIC BRACING
REQUIREMENTS, TRUSSES SHALL BE BRACED IN
ACCORDANCE WITH TPIW/TCA BCSI 1.

6. REFER TO TRUSS MANUFACTURERS DRAWINGS
FOR TRUSS PLACEMENT & TRUSS TO TRUSS
CONNECTIONS.

7. ROOF UNDERLAYMENT TO BE USED IS 30 LBS.
SYNTHETIC FELT.

8. SHINGLE ROOF : UNDERLAYMENT TO BE
INSTALLED IAW FBCR 2023, 8TH EDITION R905.1.1.1
UNDERLAYMENT MATERIALS REQUIRED TO COMPLY
WITH ASTM D226, D1970, D4869 AND D6757 SHALL
BEAR A LABEL INDICATING COMPLIANCE TO THE
STANDARD DESIGNATION AND, IF APPLICABLE, TYPE
CLASSIFICATION INDICATED IN TABLE R905.1.1.1
UNDERLAYMENT SHALL BE APPLIED AND ATTACHED
IN ACCORDANCE WITH TABLE R905.1.1.1

9. OFF RIDGE VENTS MAXIMUM OPENING SIZES:
REFER TO MANUFACTURE SPECIFICATIONS.

ROOF FRAMING PLAN
A (STANDARD)
1/8"=1'-0" (11x17) 1/4"=1'-0" (22x37)

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, COMMUNITY

1425 ARIES

40' EXPLORATION SERIES

ROOF FRAMING PLAN

REVISIONS

DELTA # DATE

DATE: 09-02-25

SCALE: AS NOTED

DRAWN: MR

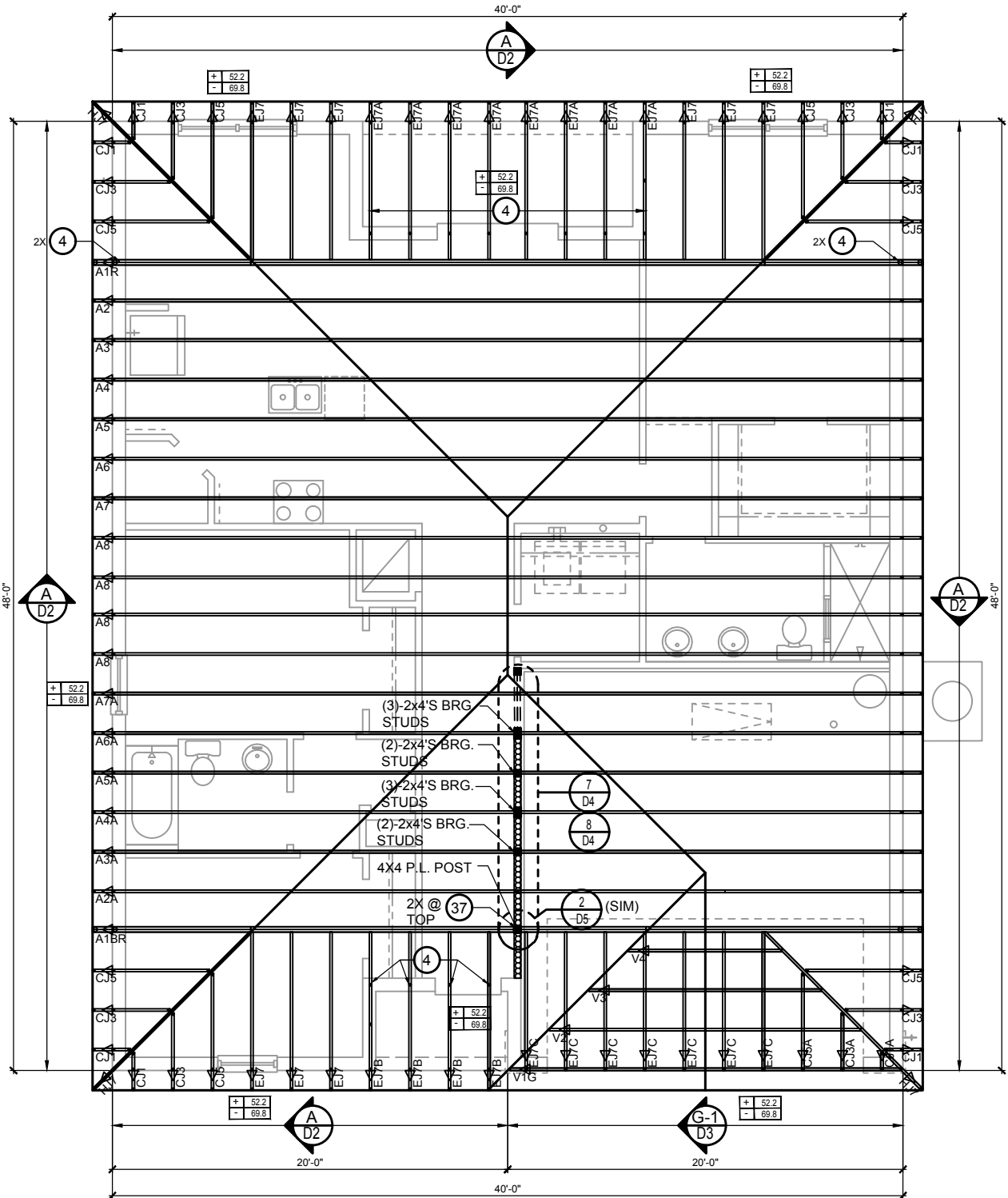
SHEET: S3

HITEG
THOMPSON ENGINEERING GROUP, INC.
A DIVISION OF PARK SQUARE
ENTERPRISES, INC.
5200 Vineyard Road, Suite 200
Orlando, Florida 32811
Phone (407) 734-1780
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www.hiteg.com

DISCLAIMER: CONTRACTOR/SUB-CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. PARK SQUARE HOMES IS NOT RESPONSIBLE FOR ANY MISINTERPRETATIONS, ERRORS, OMISSIONS OR CUSTOM CHANGES MISSED AND NOT REPORTED PRIOR TO CONSTRUCTION. NO EXCEPTIONS.

CONNECTOR SCHEDULE

CONNECT. TYPE	SIMPSON		MAX. UPLIFT	LAT. LDS. F1 / F2
	DESCRIPTION	FASTENERS PER CONNECTOR		
4	HETA16	9-10d x 1½"	1,810	65 / 960
5	DETAL20	18-10d x 1½"	2,480	2000 / 1370
20	H3	RFT: 4-8d / PLT: 4-8d	400	210 / 170
21	H1	RFT:6-8dx1½"/PLT:4-8d	480	510 / 165
22	H10S	RFT: 8-8d x 1½"	1010	660/550
		PLT: 8-8d x 1½"		
23	LUS26	HDR: 4-10d/JST: 4-10d	935	N/A
24	H7	RFT / TRS: 4-8d	985	400 / N/A
		PLT / STD: 10-8d		
26	H2.5	RFT:5-8d / PLT: 5-8d	415	150 / 150
34	A34	H:4-8dx1½"/P:4-8dx1½"	365	280 / 303
35	A35F	H:4-8dx1½"/P:4-8dx1½"	440	440 / N/A
37	HTS16	14-10d	1,310	N/A
38	MTS16	14-10d	990	N/A
39	MTS30	14-10d	990	N/A
43	LSTA12	10-10d	905	N/A
45	ST18	14-16d	1,200	N/A
47	LSTA24	18-10d	1,295	N/A
71	MSTA36	26-10d	2,135	N/A
72	MSTC66	64-16d SINKERS	5,495	N/A
79	SP1	STD:6-10d / PLT:4-10d	535	560 / 260
80	SP2	STD:6-10d / PLT:6-10d	605	560 / 260
81	SPH4,6,8	12-10d x 1½"	885	N/A
90	ABU66	12-16d	2,240	N/A
89	CB66	(2) 7/8" BOLTS	2,300	985
92	ABU44	12-16d	2,200	N/A
93	AC6 (MAX)	28-16d	1,815	1,070
94	AC4 (MAX)	28-16d	1,815	1,070
95	HTS20	20-10d	1,450	N/A
96	HD8A	SILL: 7/8" BOLT STUD:(3) 7/8"x5½" BOLTS	7,910	N/A
97	MTSM16	BLOCK: 4-¼"x2¼" TC JOIST : 7-10d	860	N/A
98	HTT4	SILL: 5/8" BOLT STRAP: 18-16d	4,235	N/A
99	A35	H:4-8dx1½"/P:4-8dx1½"	440	440 / N/A
102	HTT5	5/8" BOLT/ 26-10d	4,275	N/A
103	VGTR/L	32-SDS¼"x3"/(2) 7/8" BLT	3,990	N/A
104	HDU8-SDS2.5	7/8" BLT/20-SDS ¼"x2½"	5,020	N/A
110	HCP1.81	(6) 0.148 x 1½"	590	255 / N/A
167	HHUS46	H:14-16d/J:6-16d	1,550	N/A
168	U46	H:8-10d/J:4-10d	710	N/A
181	HUS26	20-16d	1,550	N/A
184	HUC28-2	H:14-16d/J:4-10d	1,085	N/A
214	HUC212-3TF	HD:16-3/16"x1½" TAPCON BM: 6-16d	1,135	N/A
215	HGUS210-2	HDR:46-16d/JST:10-16d	2,720	N/A
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226	MBHA4.75/12	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	2,160	N/A
231	MBHA3.56/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A
232	MBHA5.50/16	HDR : (2) 3/4" φ x 8" JOIST : 18-10d	3,450	N/A
240	H16	R:2-10dx1½"/P:10-10dx1½"	1,470	480 / N/A
241	LGT2	30-16d-sinker	2000	1015 / 440
301	MGT	(1) 5/8"BLTS./GIR: 22-10d	3,965	N/A
302	HGT-2 or 3	LTL:3/4"BLTS./GIR: 8-10d	6485	N/A
303	HGT-4	LTL:3/4"BLTS./GIR: 16-10d	9,250	N/A
401	SUR/L414	FACE:18-16d/JST:8-16d	1,700	N/A
T	CONNECTORS TO BE SPECIFIED & PROVIDED BY TRUSS MANUFACTURERS			



WALL KEY

T.O.WALL 8'-8"

COMPONENT & CLADDING
DESIGN WIND PRESSURES

SEE PLAN DESIGN WIND PRESSURE

± XXX ULTIMATE DESIGNED POSITIVE PRESSURE
- XXX ULTIMATE DESIGNED NEGATIVE PRESSURE

NOTE: DESIGN PRESSURES BASED ULTIMATE WIND SPEED
TO OBTAIN NOMINAL "ASD" WIND PRESSURES MULTIPLY VALUES
SHOWN BY A FACTOR OF 0.8

FIELD REPAIR NOTES

1. MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/
A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE
FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR
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7/8" - NO REPAIR NECESSARY 7/8" TO 1½" - ADD FILLED
CELL (NO VERTICAL STEEL) MIDPOINT OF WALL
BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN
AREAS AFFECTED. 1½" - REQUIRE SPECIAL
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THRU PLATES OF A LOAD BEARING WALL MAY OCCUR
PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF
PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS
NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12
@ TOP AND BOTTOM PLATE

NOTES

1. TYPICAL ROOF GABLE OVERHANG TO BE 12"
UNLESS OTHERWISE NOTED.
2. TYPICAL ROOF EAVES OVERHANG TO BE 16"
UNLESS OTHERWISE NOTED.
3. PROVIDE AND INSTALL FLASHING AND ROOFING
AS PER NATIONAL ROOFING AND SHEET METAL
ASSOC.STANDARDS AND/ OR ACCEPTABLE
INDUSTRY PRACTICE AND IN ACCORDANCE WITH
8TH EDITION (2023)FLORIDA RESIDENTIAL CODE.
4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS,
ETC. TO BE SIZE BY TRUSS MANUFACTURER OR FL.
REG. ENG.
5. TRUSSES SHALL BE BRACED TO PREVENT
ROTATION & PROVIDE LATERAL STABILITY KIN
ACCORDANCE WITH THE REQUIREMENTS SPECIFIED
IN THE CONSTRUCTION DOCUMENTS FOR BUILDING
& ON THE INDIVIDUAL TRUSS DESIGN DRAWINGS IN
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REQUIREMENTS, TRUSSES SHALL BE BRACED IN
ACCORDANCE WITH TPIW/TCA BCSI 1.
6. REFER TO TRUSS MANUFACTURERS DRAWINGS
FOR TRUSS PLACEMENT & TRUSS TO TRUSS
CONNECTIONS.
7. ROOF UNDERLAYMENT TO BE USED IS 30 LBS.
SYNTHETIC FELT.
8. SHINGLE ROOF : UNDERLAYMENT TO BE
INSTALLED IAW FBCR 2023, 8TH EDITION R905.1.1.1
UNDERLAYMENT MATERIALS REQUIRED TO COMPLY
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BEAR A LABEL INDICATING COMPLIANCE TO THE
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CLASSIFICATION INDICATED IN TABLE R905.1.1.1
UNDERLAYMENT SHALL BE APPLIED AND ATTACHED
IN ACCORDANCE WITH TABLE R905.1.1.1
9. OFF RIDGE VENTS MAXIMUM OPENING SIZES:
REFER TO MANUFACTURE SPECIFICATIONS.

ROOF FRAMING PLAN

B (STANDARD)
1/8"=1'-0" (11x17) 1/4"=1'-0" (22x37)

LOT: 0000, COMMUNITY

HITEG
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Fax: (407) 734-1793
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A DIVISION OF PARK SQUARE
ENTERPRISES, INC.
5200 Vineyard Road, Suite 200
Orlando, Florida 32811
Phone (407) 529 - 3000

Park Square
HOMES

ROOF FRAMING PLAN

1425 ARIES
40' EXPLORATION SERIES

REVISIONS

DELTA # DATE

DATE: 09-02-25

SCALE: AS NOTED

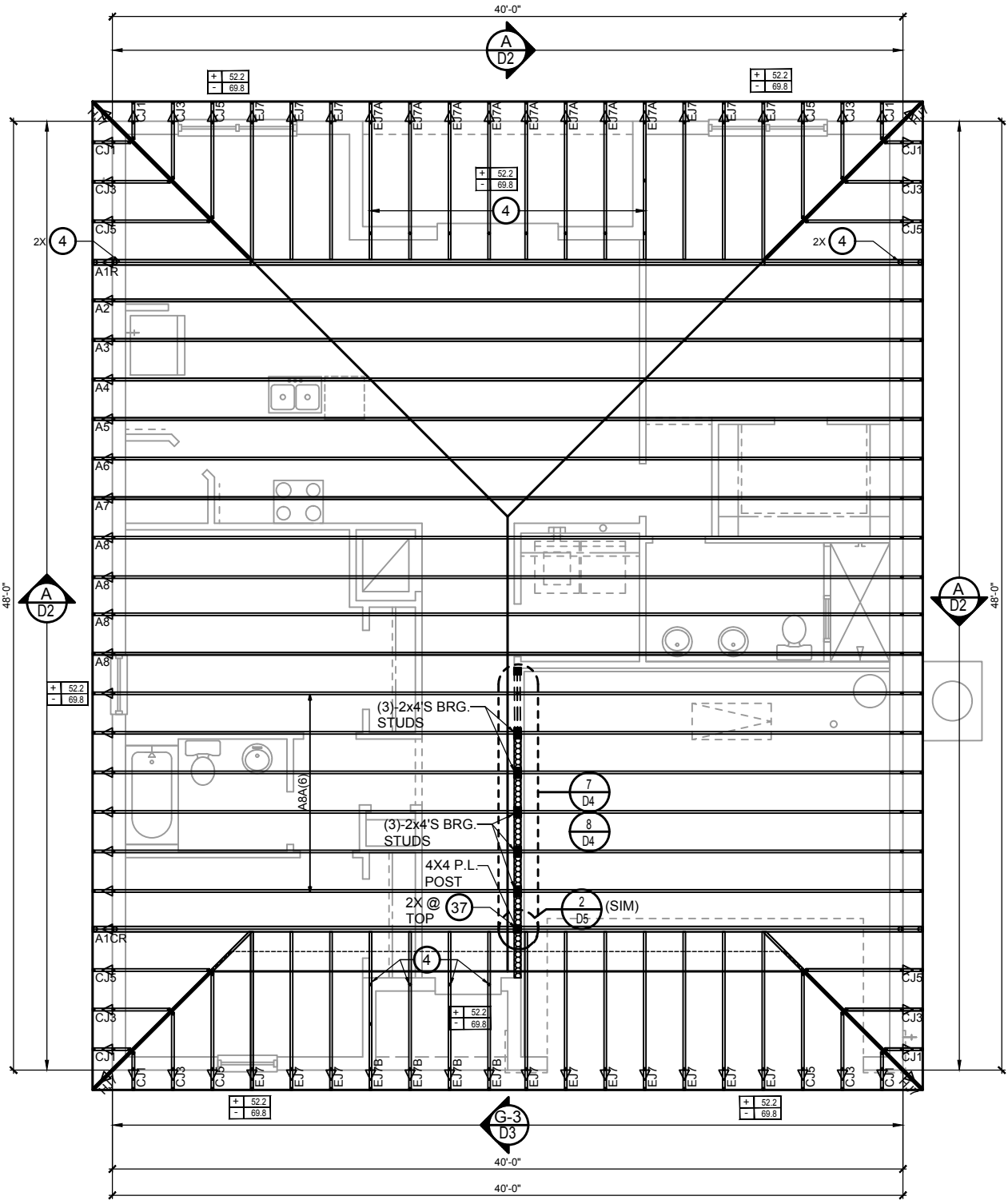
DRAWN: MR

SHEET:

S3

CONNECTOR SCHEDULE

CONNECT. TYPE	SIMPSON		MAX. UPLIFT	LAT. LDS. F1 / F2
	DESCRIPTION	FASTENERS PER CONNECTOR		
4	HETA16	9-10d x 1½"	1,810	65 / 960
5	DETAL20	18-10d x 1½"	2,480	2000/ 1370
20	H3	RFT: 4-8d / PLT: 4-8d	400	210 / 170
21	H1	RFT:6-8dx1½"/PLT:4-8d	480	510 / 165
22	H10S	RFT: 8-8d x 1½"	1010	660/550
		PLT: 8-8d x 1½"		
23	LUS26	HDR: 4-10d/JST: 4-10d	935	N/A
24	H7	RFT / TRS: 4-8d	985	400 / N/A
		PLT / STD: 10-8d		
26	H2.5	RFT:5-8d / PLT: 5-8d	415	150 / 150
34	A34	H:4-8dx1½"/P:4-8dx1½"	365	280 / 303
35	A35F	H:4-8dx1½"/P:4-8dx1½"	440	440 / N/A
37	HTS16	14-10d	1,310	N/A
38	MTS16	14-10d	990	N/A
39	MTS30	14-10d	990	N/A
43	LSTA12	10-10d	905	N/A
45	ST18	14-16d	1,200	N/A
47	LSTA24	18-10d	1,295	N/A
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97	MTSM16	BLOCK: 4-½"x2¼" TC JOIST : 7-10d	860	N/A
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102	HTT5	5/8" BOLT/ 26-10d	4,275	N/A
103	VGTR/L	32-SDS½"x3"/(2) 7/8" BLT	3,990	N/A
104	HDU8-SDS2.5	7/8" BLT/20-SDS ½"x2½"	5,020	N/A
110	HCP1.81	(6) 0.148 x 1½"	590	255 / N/A
167	HHUS46	H:14-16d/J:6-16d	1,550	N/A
168	U46	H:8-10d/J:4-10d	710	N/A
181	HUS26	20-16d	1,550	N/A
184	HUC28-2	H:14-16d/J:4-10d	1,085	N/A
214	HUC212-3TF	HD:16-3/16"x1½" TAPCON BM: 6-16d	1,135	N/A
215	HGUS210-2	HDR:46-16d/JST:10-16d	2,720	N/A
216	HUS412	BLOCK: 10-¼"x1½" TC JOIST : 10-16d	3,240	N/A
217	HUS212-2	BLOCK: 10-¼"x1½" TC JOIST : 10-16d	2,630	N/A
219	MBHA412	H:1-ATR3/4X8 TOP&FACE JOIST: 18-10d	3,145	N/A
220	N/A	N/A	1,620	N/A
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401	SUR/L414	FACE:18-16d/JST:8-16d	1,700	N/A
T	CONNECTORS TO BE SPECIFIED & PROVIDED BY TRUSS MANUFACTURERS			



WALL KEY

T.O.WALL 8'-8"

COMPONENT & CLADDING DESIGN WIND PRESSURES

SEE PLAN DESIGN WIND PRESSURE

ULTIMATE DESIGNED POSITIVE PRESSURE
ULTIMATE DESIGNED NEGATIVE PRESSURE

NOTE: DESIGN PRESSURES BASED ULTIMATE WIND SPEED TO OBTAIN NOMINAL "ASD" WIND PRESSURES MULTIPLY VALUES SHOWN BY A FACTOR OF 0.8

FIELD REPAIR NOTES

1. MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. x 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.
2. BLOCK WALL OVERHANGING SLAB CONDITION: UP TO 7/8" - NO REPAIR NECESSARY 7/8" TO 1½" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED. 1½" - REQUIRE SPECIAL ENGINEERING LETTER.
3. PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE

NOTES

1. TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
2. TYPICAL ROOF EAVES OVERHANG TO BE 16" UNLESS OTHERWISE NOTED.
3. PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC.STANDARDS AND/ OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH 8TH EDITION (2023)FLORIDA RESIDENTIAL CODE.
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6. REFER TO TRUSS MANUFACTURERS DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
7. ROOF UNDERLAYMENT TO BE USED IS 30 LBS. SYNTHETIC FELT.
8. SHINGLE ROOF : UNDERLAYMENT TO BE INSTALLED IAW FBCR 2023, 8TH EDITION R905.1.1.1 UNDERLAYMENT MATERIALS REQUIRED TO COMPLY WITH ASTM D226, D1970, D4869 AND D6757 SHALL BEAR A LABEL INDICATING COMPLIANCE TO THE STANDARD DESIGNATION AND, IF APPLICABLE, TYPE CLASSIFICATION INDICATED IN TABLE R905.1.1.1 UNDERLAYMENT SHALL BE APPLIED AND ATTACHED IN ACCORDANCE WITH TABLE R905.1.1.1
9. OFF RIDGE VENTS MAXIMUM OPENING SIZES: REFER TO MANUFACTURE SPECIFICATIONS.

ROOF FRAMING PLAN

C (STANDARD)
1/8"=1'-0" (11x17) 1/4"=1'-0" (22x37)

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, COMMUNITY

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Park Square HOMES

ROOF FRAMING PLAN

1425 ARIES

40' EXPLORATION SERIES

REVISIONS

DELTA # DATE

DATE: 09-02-25

SCALE: AS NOTED

DRAWN: MR

SHEET:

S3

DISCLAIMER: CONTRACTOR/SUB-CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. PARK SQUARE HOMES IS NOT RESPONSIBLE FOR ANY MISINTERPRETATIONS, ERRORS, OMISSIONS OR CUSTOM CHANGES MISSED AND NOT REPORTED PRIOR TO CONSTRUCTION. NO EXCEPTIONS.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 8TH EDITION, FBRC 2023 (WIND LOAD @ 133 MPH.)

LIVE LOAD ROOF: 20 PSF.

FLOOR: 40 PSF, BALCONIES & STAIRS: 40 PSF

OCCUPANCY= 1.0

BUILDING CATEGORY R3, WIND EXPOSURE C

INTERNAL PRESSURE COEFFICIENTS = +0.18 AND -0.18

2. WINDOWS, DOORS, AND GARAGE DOORS TO BE DESIGNED TO MEET FBRC SECTION R301

3. ALL FLOOR SLABS TO BE OF 2,500 PSI CONC. PLANT MIX MIN. 4" THICK WITH 6x6 10/10 WIRE MESH 6 MIL. POLY. VAPOR-BARRIER OVER TERMITE TREATED COMPACTED CLEAN FILL.

4. CONCRETE MASONRY UNITS SHALL MEET: CH. 1-3 OF ACI 530-02/ ASCE 5-02/TMS 402-02 OR BIA BUILDING CODE REQUIREMENTS.

5. MORTAR TO BE TYPE "M" OR "S", GROUT - 2,500 PSI @ 28 DAYS.

6. MASONRY CLEAN OUTS REQUIRED @ GROUT GREATER THAN FIVE (5) FEET IN HEIGHT AND ALL VERTICALS.

7. REBAR TO BE # 5'S GRADE 60, W/ MIN. LAP OF 25". USE "L" BARS @ CORNERS AND USE STANDARD HOOKS @ CHANGE IN DIRECTION WITH MIN. LAP 12"

8. GYP. BD. CEILING SHALL BE INSTALLED PERP. TO FRAMING & NAILED @ O.C. WITH 5d NAILS. GYP. BD. WALLS SHALL BE NAILED @8" O.C. WITH 5d NAILS

9. UPLIFT CONNECTOR'S TO PROVIDE CONTINUITY FROM ROOF TRUSSES THRU PLATES TO SLAB AND FOUNDATION PER ENCLOSED DETAILS.

10. EPOXY ANCHOR ALTERNATIVE:
THREADED ANCHOR ROD MAY BE USED IN LIEU OF ANCHOR BOLTS FOR USE AS PLATE ANCHORS OR HURRICANE ANCHORS.
THE FOLLOWING CRITERIA MUST BE MET:

ANCHOR SIZE	CONC. HOLE SIZE	MIN. HOLE DEPT
1/2"	-3/4"	7"
-5/8"	-7/8"	7"
-3/4"	1"	8"
-7/8"	1-1/8"	9"

AFTER HOLE IS DRILLED, ALL CONCRETE DUST MUST BE REMOVED PRIOR TO EPOXY INSTALLATION. THREADED ROD TO BE MIN. A36 STEEL AND FREE OF DIRT OR GREASE. LOAD ON ROD CANNOT BE APPLIED UNTIL 12 HOURS AFTER INSTALLATION. 2 COMPONENT EPOXY RESIN MATERIAL TO BE MIXED PER MFG. DIRECTIONS.

1. SOIL BEARING CAPACITY 2000 PSF MINIMUM

WOOD STRUCTURAL NOTES

1. ALL WOOD TO BE SPECIES, GROUP, AND GRADE AS NOTED BELOW. DAMAGED WOOD NOT TO BE USED.

2. ALL STRUCTURAL LUMBER SHALL BE SPF (SPRUCE-PINE-FIR) #2 OR BETTER UNLESS OTHERWISE NOTED. (PRE ENG. TRUSSES EXCLUDED)

3. END JOINT IN STRUCTURAL DOUBLE TOP PLATE TO BE OFFSET AT LEAST 4". STRUCTURAL DOUBLE PLATES TO BE NAILED @ 6" O.K..

4. PLYWOOD OR OSB. WALL SHEATHING NAIL PATTERN TO BE 10d @ 6" O.C.. UNLESS OTHERWISE NOTED.

5. NUMBER OF HEADER STUDS AND ADJACENT FULL LENGTH STUDS PER WALL AND HEADER STUD REQUIREMENT SCHEDULE.

6. MAX. 1" HOLE DRILLED INTO EXTERIOR STRUCTURAL STUDS.

7. DBL. STUDS @ EA. END OF SHEAR WALL.

8. WHEN ANCHORING MULTIPLE WD. ITEMS TOGETHER, THE LENGTH OF HURRICANE STRAP MUST BE CENTERED.

9. NAIL PATTERN

- DOUBLE PLATE 12" O.C.. OUTSIDE SPLICE ZONE (SEE NOTE 4)
- DOUBLE STUDS @ 12" O.C..
- DOUBLE OR TRIPLE HEADER @ 6" O.C.. @ EDGE @ 12" O.C.. INTERMEDIATE.
- HEADER TO STUD @ 4" O.C.. EA. HEADER MEMBER.
- STUD TO TOP OR BOTTOM PLATE : (2) 16d THRU PLT. OR (2) 16d EA. SIDE TOE NAILED TO PLT.

10. -ROOF SHEATHING FOR SHINGLE ROOF TO BE MIN. 15/32 OSB, NAILED (1 RING SHANK NAILS) TO ROOF TRUSSES SPACED @ 24" O.C. (MAX) WITHOUT BLOCKING.

-ROOF SHEATHING FOR TILE ROOF TO BE MIN. 19/32" OSB, 1/2" CDX PLYWOOD OR 1/2" ADVANTECH. NAILED (10d RING SHANK NAILS) TO ROOF TO ROOF TRUSS SPACED @ 24" O.C. (MAX) WITHOUT BLOCKING.

11. FLOOR SHEATHING TO BE MIN. 23/32" PLYWOOD NAILED @ 6" O.C. W/ #8 RING SHANK NAILS AND LIQUID NAIL ADHESIVE.

12. ALL FLOOR TRUSSES TO BE END BLOCKED @ BEARING LOCATIONS

13. TRUSS BRACING PER TRUSS MANUFACTURE'S DRAWINGS.

14. ALL NAILING SPECIFIED TO BE APPLIED BY NAIL GUN OR MANUALLY

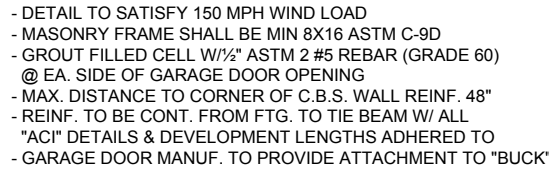
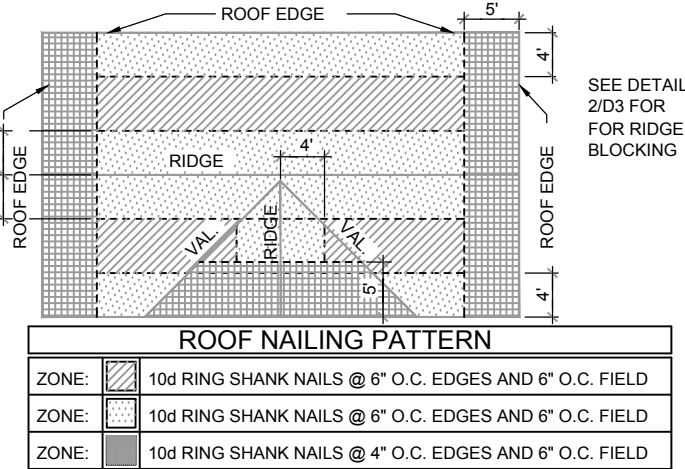
15. ALL WOOD IN DIRECT CONTACT WITH MASONRY SHALL BE PRESSURE TREATED.

16. 2000 PSF MINIMUM SOIL BEARING CAPACITY

17. NON BEARING WALL: 2X4 SPACED AT 24" O.C. UP TO 12'-0" HEIGHT WITH ROWS OF HORIZONTAL 2X4 BLOCKING PLACE AT 4'-0" O.C.

IT IS RESPONSIBILITY OF THE GENERAL CONTRACTOR TO
INSTALL ALL MATERIALS MEETING FLORIDA APPROVAL
COMPLIANCE TO AVOID WATER INTRUSION AND MOISTURE
INTRUSION ON WINDOWS, DOORS, ROOF, AND ANY OTHER
AREA AROUND EACH UNIT/ HOUSE/ APARTMENT/
CONDOMINIUM/ TOWNHOUSE.

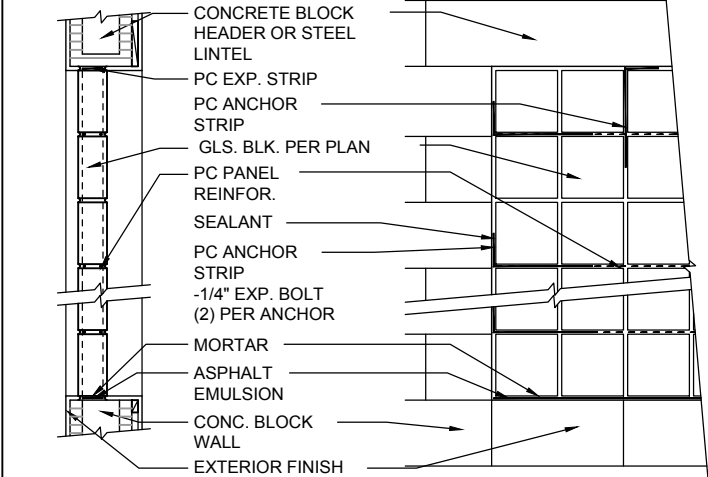
1. MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (1) USP MTW16 OR HC10 OR SIMPSON MTS16 W/ (4) -1/4" X 2-1/4" TAPCONS TO BOND BEAM AND (7) 10d NAILS TO TRUSS FOR UPLIFTS LESS THAN 860 LBS (USE (2) MTS16 FOR UPLIFTS LESS THAN 1720#). NO MORE THAN 10 STRAPS MAY BE SUBSTITUTED OR NO MORE THAN 3 IN A ROW. IF GIRGER TRUSS CONNECTIONS ARE MISSED CONTACT ENGINEER FOR SUBSTITUTION.
2. MISSED J-BOLTS FOR FRAMED EXTERIOR/ BEARING WALLS MAY BE SUBSTITUTED W/ 1/2" DIA. X 7" LONG WEDGE ANCHORS (REDHEADS).
3. MISSED FOOTING DOWELS MAY BE SUBSTITUTED W/ A STRAIGHT #5 REBAR SET IN A 3/4" DIA. X 6" DEEP HOLE FILLED W/ UNITEX PROPOXY 300 OR SIMPSON SET OR ETF ADHESIVES.
4. BLOCK WALL OVERHANGING SLAB CONDITION:
UP TO -7/8" - NO REPAIR NECESSARY
-7/8" TO 1-1/4" - ADD FILLED CELL (NO VERTICAL STEEL) MIDPOINT OF WALL BETWEEN EXISTING FILLED CELLS (WITH STEEL) IN AREAS AFFECTED.
1-1/4"+ - REQUIRE SPECIAL ENGINEERING LETTER.
5. PENETRATION OF PLUMBING PIPES/DRYER VENTS THRU PLATES OF A LOAD BEARING WALL MAY OCCUR PROVIDED DBL. STUDS ARE ADDED ON EITHER SIDE OF PENETRATION WITHIN 3" AND TRUSS/ FLOOR TRUSS IS NO CLOSER THAN 3" FROM PENETRATION. ADD (1) MTS12 @ TOP AND BOTTOM PLATE.



- 1.) THE GARAGE DOOR ASSEMBLY SHALL BE DESIGNED FOR POSITIVE AND NEGATIVE WIND PRESSURES OF 25 PSF IN ACCORDANCE WITH SECTION R301 OF THE FLORIDA RESIDENTIAL CODE CERTIFICATION SHALL BE SUBMITTED FROM THE GARAGE DOOR MANUFACTURER TO THE BUILDING DEPARTMENT FOR THE FOLLOWING ITEMS:
 - A.) THE DESIGN OF THE DOOR CAN WITHSTAND POSITIVE AND NEGATIVE WIND PRESSURES OF 25 PSF.
 - B.) THE DESIGN OF THE DOOR COMPLIES WITH THE CRITERIA SPECIFIED IN SECTION R609 OF THE 2023 FLORIDA BUILDING CODE RESIDENTIAL, 8TH EDITION
 - C.) DOOR SIZE, TYPE AND GLAZING
 - D.) TRACK SIZE AND FASTENER DETAILS.
 - E.) TRACK BRACKET QUANTITY, SPACING AND FASTENER DETAILS.
 - F.) REINFORCING MEMBER QUANTITY, LOCATION, SIZE, TYPE AND FASTENER DETAILS. (IF REQUIRED)

NOTED AS SHEAR WALL ON PLANS

		MAXIMUM HEADER SPAN (ft.)					
		3'	6'	9'	12'	15'	18'
UNSUPPORTED WALL HEIGHT	STUD SPACING	NUMBER OF HEADER STUDS SUPPORTING END OF HEADER					
		1	1	2	2	2	2
		NUMBER OF FULL-LENGTH STUDS @ EACH END OF HEADER					
10' OR LESS		2	2	3	3	3	3
GREATER THAN 10'		2	2	3	4	5	5



PC PANEL REINFORCING (TOP):
USED IN PANELS OVER 26" S.F. IN AREA IS EMBEDDED HORIZONTALLY
IN THE MORTAR JOINTS BETWEEN EVERY OTHER COURSE. PANEL
REINFORCING IS FORMED OF TWO PARALLEL WIRES, EITHER 1-5/8" O.C.
(FOR USE WITH "THINLINE" SERIES GLS. BLK.) OR 2" O.C. (FOR USE W/
"PREMIERE" SERIES GLS. BLK.), W/ BUTT WELDED CROSSWIRES AT
REGULAR INTERVALS. 4' AND 10' LENGTHS AVAILABLE.

PC PANEL ANCHORS (MIDDLE):
ARE USED TO TIE PITTSBURGH CORNING GLASS BLOCK PANELS INTO THE SURROUNDING FRAMEWORK WHEN CHANNELS ARE NOT USED. FORMED FROM 20 GAUGE PERFORATED- THEN GALVANIZED STEEL STRIPS, PANEL ANCHORS ARE AVAIL. IN 1-3/4" WIDTHS X 24" LENGTHS

PC EXPANSION STRIPS (BOTTOM):
MADE OF WHITE POLYETHYLENE, ARE INSERTED AT THE HEAD AND THE STRIPS REPLACE MORTAR AT THESE POINTS TO CUSHION THE GLASS BLOCK AND ALLOW THE PANEL TO EXPAND & CONTRACT FREELY. FOR METAL CHANNEL OR MASONRY CHASE CONSTRUCTION, PC EXPANSION STRIPS ARE AVAILABLE 3/8" THICK X 4" WIDE X 24" LONG. FOR PANEL ANCHOR CONSTRUCTION, STD. 4" WIDE STRIPS ARE EASILY CUT TO 3" WIDTH, FOR 3-7/8" "PREMIERE" SERIES BLK., AND TO 2-1/4" WIDTH, FOR 3-1/8" "THINLINE" SERIES BLOCK.

D1

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IENTS ARE PROHIBITED.

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Park Square HOMES

STRUCTURAL NOTE & DETAILS

1425 ARIES

REVISIONS

DELTA #	DATE
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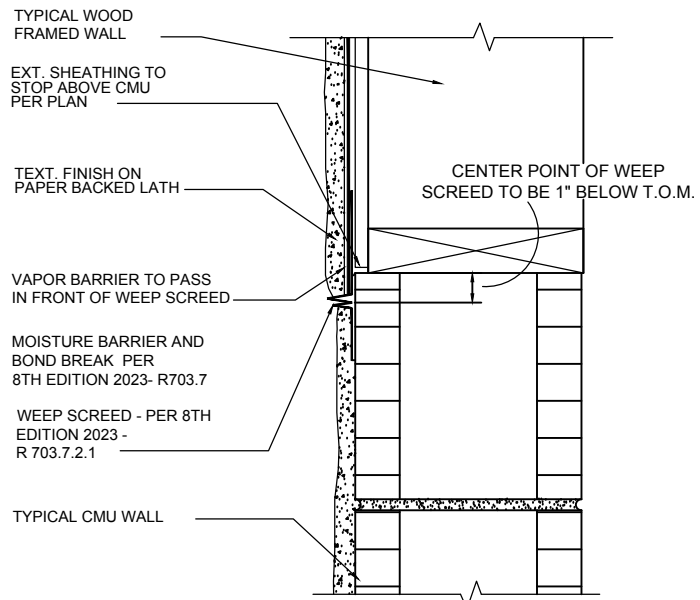
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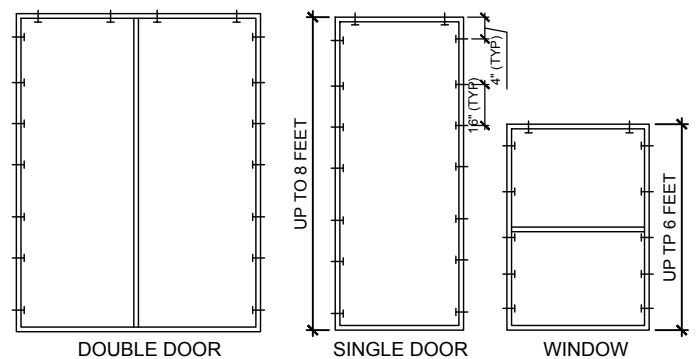
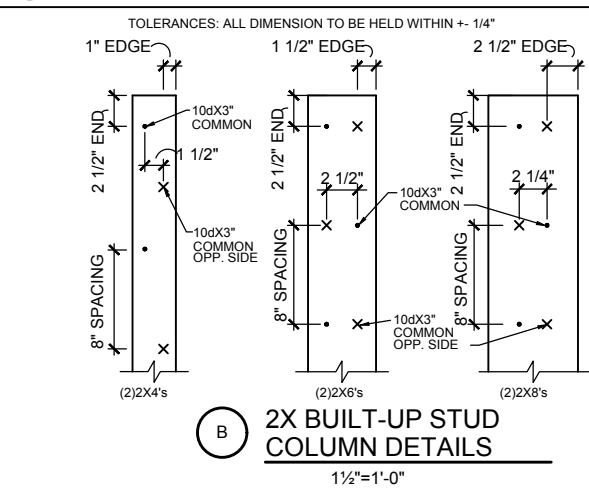
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FLASHING DETAIL



FOR MULTIPLE WINDOWS AND DOORS USE 2 TAPCONS PER WINDOW AT THE HEAD AND 4 TAPCONS AT THE JAMB.

BUCK ATTACHMENT DATA

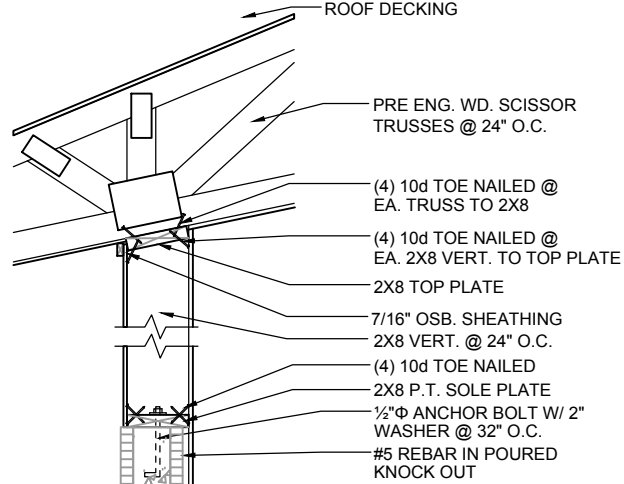
BUCKS SHALL BE 1x4 OR 2x8 PT AT WINDOWS OR 2x8 PT AT DOORS IN PINE OR SPRUCE. AT WINDOWS ATTACH BUCKS TO BLOCK WITH COMMON T-NAILS AND PLACEMENT SIMILAR TO TAPCONS SHOWN. AT DOORS OR FIN WINDOWS IN BLOCK, ATTACH BUCKS w/ 2 T-NAILS TOP AND BOTTOM AND 8" O.C. STAGGERED IN THE FIELD.

USE MIN. 2-1/4" T-NAILS w/ 1x BUCK. USE MIN. -1/4" x 3" TAPCONS w/ 2x BUCK. START ALL END TAPCONS WITHIN 4" OF CORNERS AND 16" ON CENTER MAXIMUM.

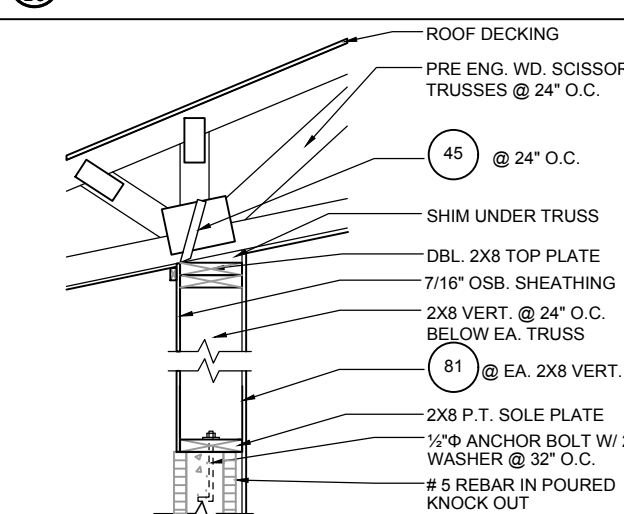
FOR FRAME ANCHORING USE MIN. 2-1/4" T-NAILS w/ 1x BUCK. USE MIN. -1/4" x 3" TAPCONS w/ 2x BUCK. START ALL END TAPCONS WITHIN 6" OF CORNERS AND 14" ON CENTER MAXIMUM.

NOTE

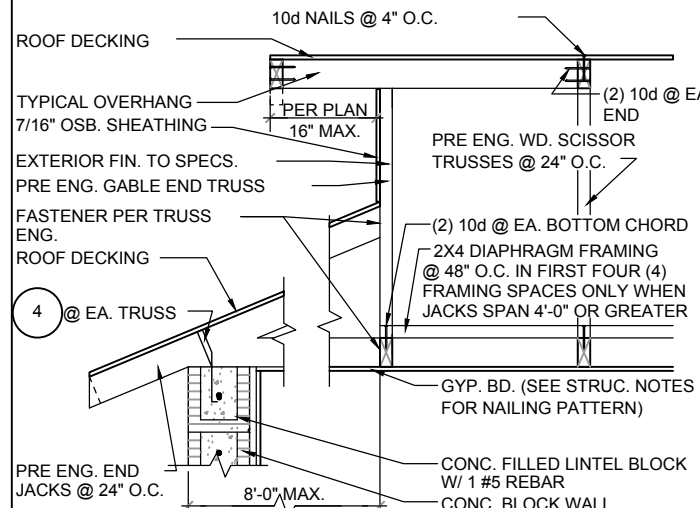
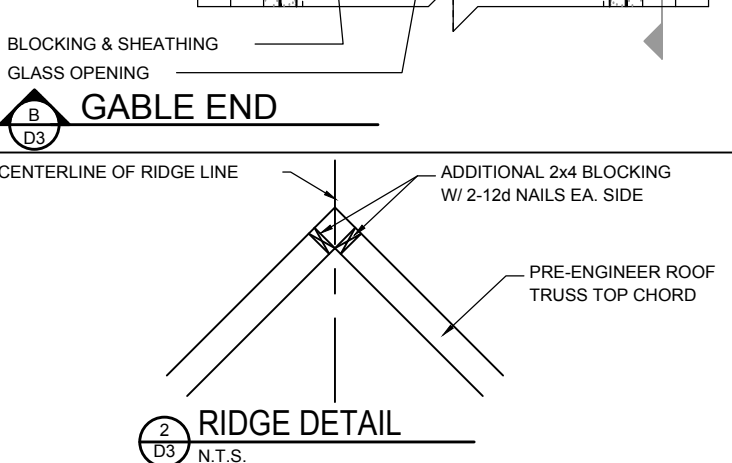
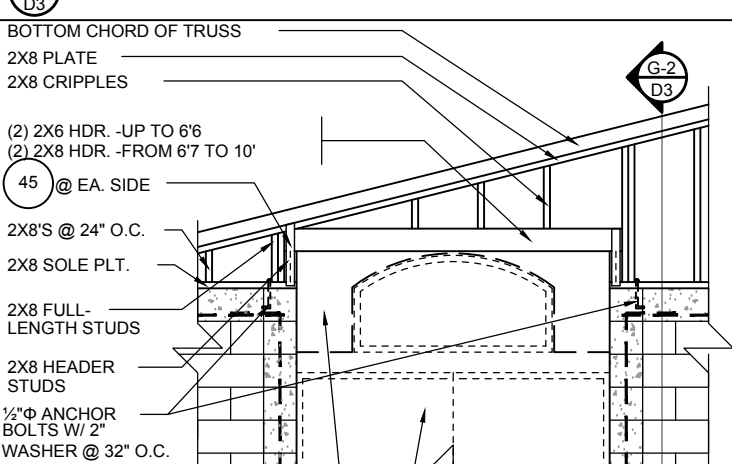
IN CASE OF BLOCK OPENINGS LARGER THAN DOOR FRAMING: ATTACH ADDITIONAL 2X FRAMING TO THE BLOCK WALL USING 1/4" x 4" TAPCONS AT 3" FROM END AND 12" O.C. IN THE CENTER. ATTACH TOP FRAMING TO HEADER USING 1/4"x1-3/4" TAPCONS W/ (1) 6" FROM END TO END AND 12" O.C. IN THE CENTER.



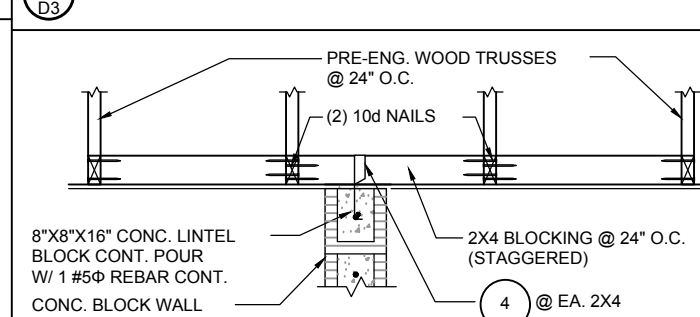
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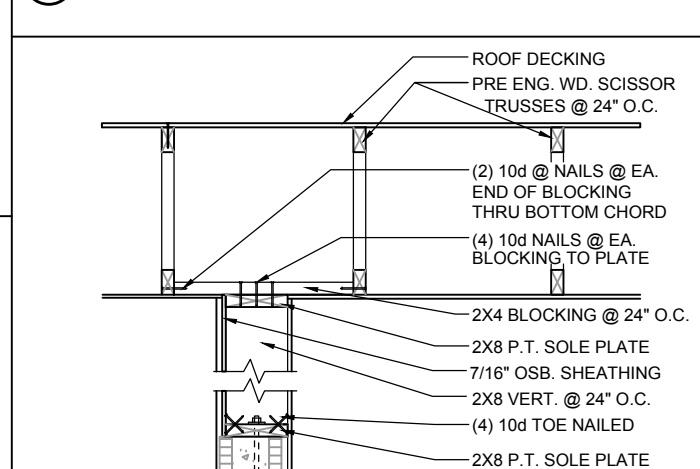
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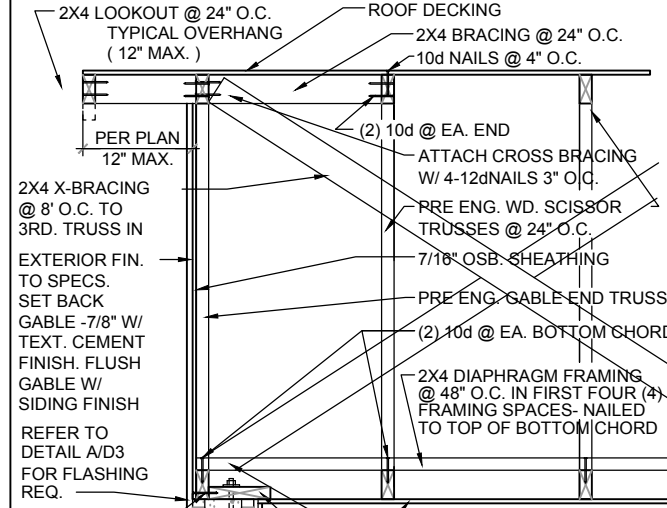
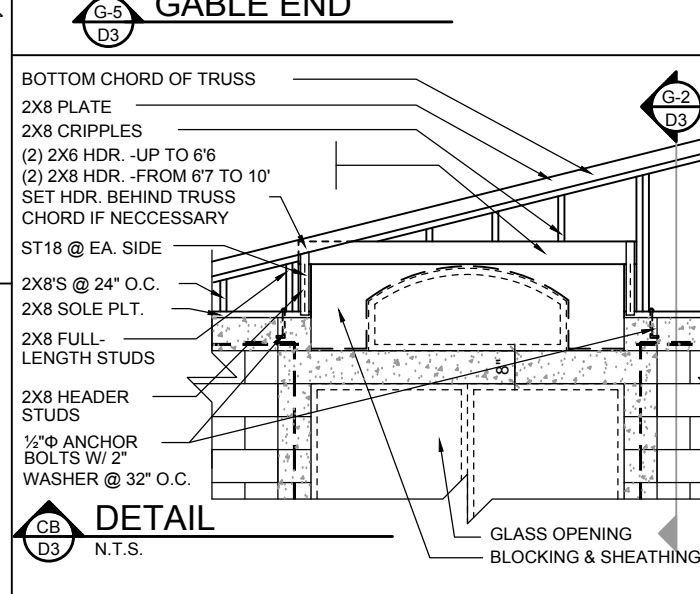
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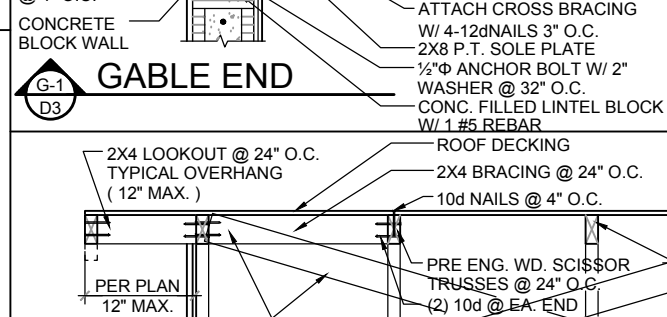
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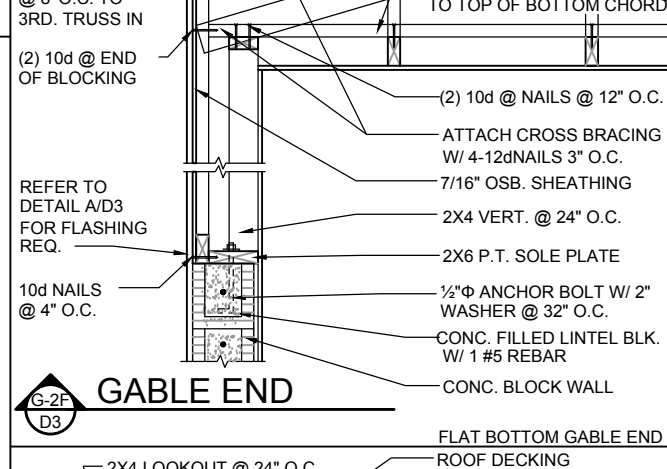
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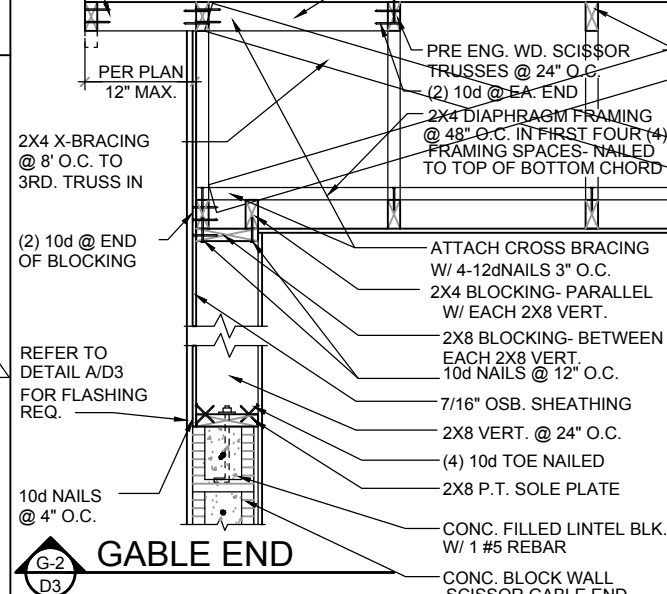
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GABLE END

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1425 ARIES

40' EXPLORATION SERIES

STRUCTURAL DETAILS

REVISIONS

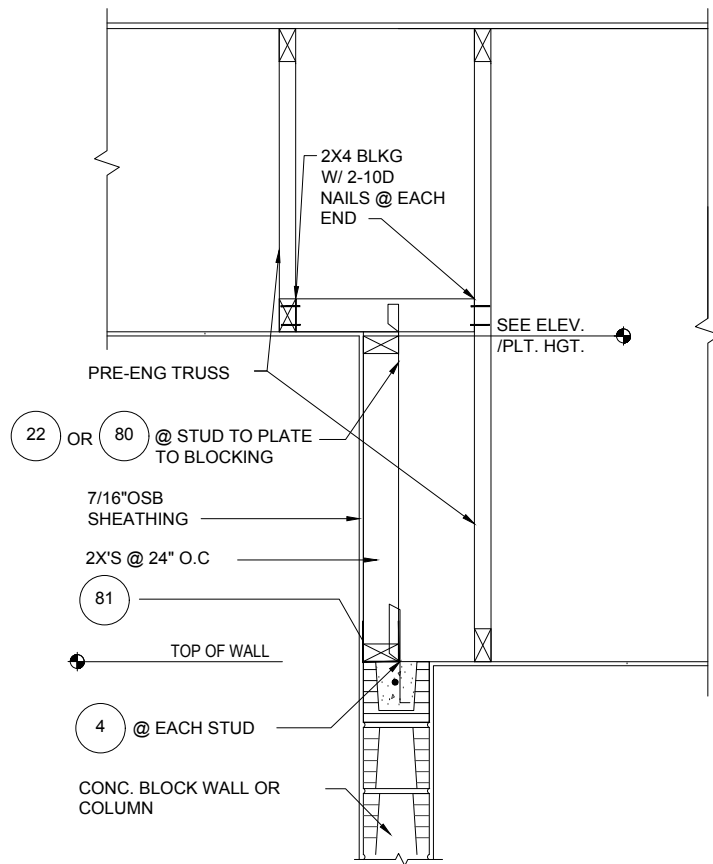
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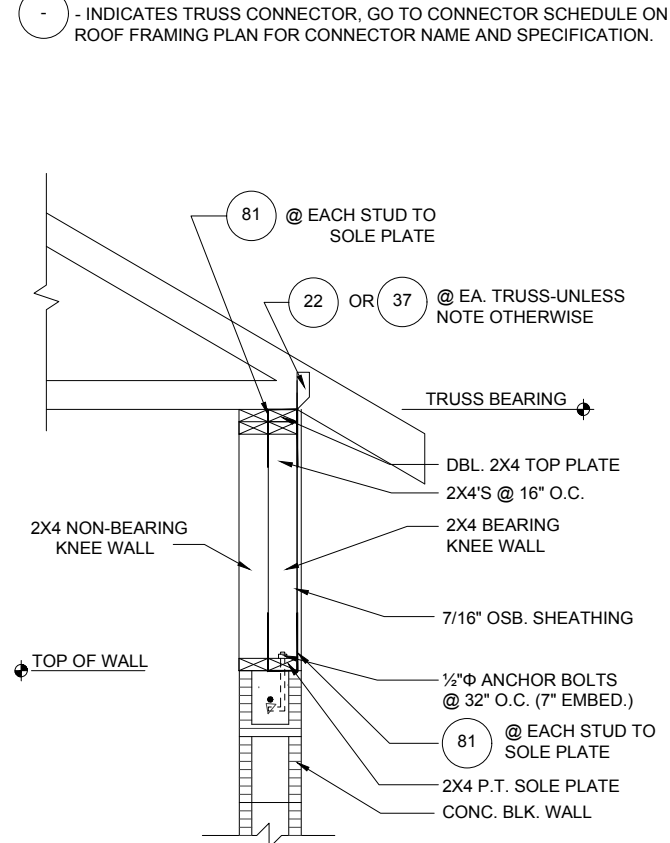
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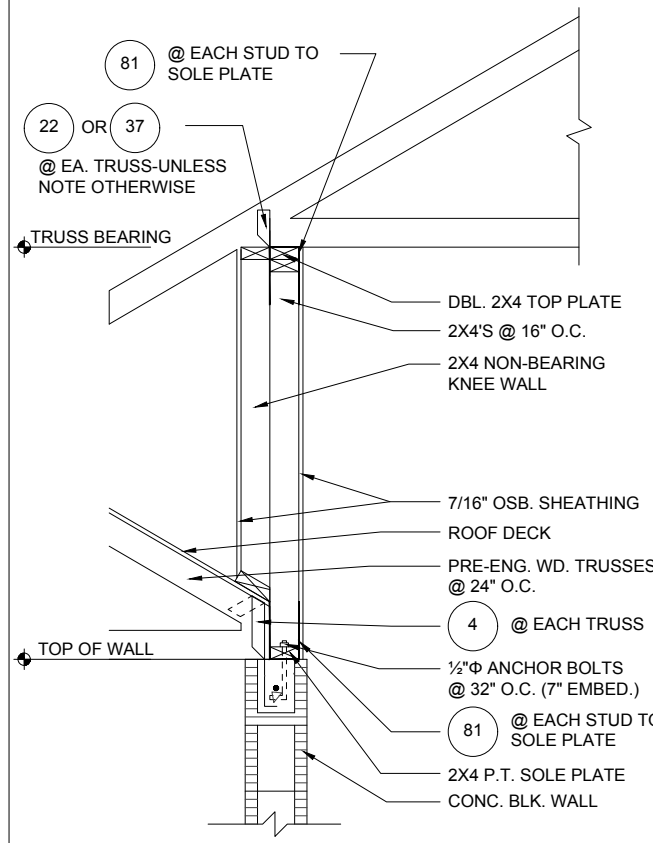
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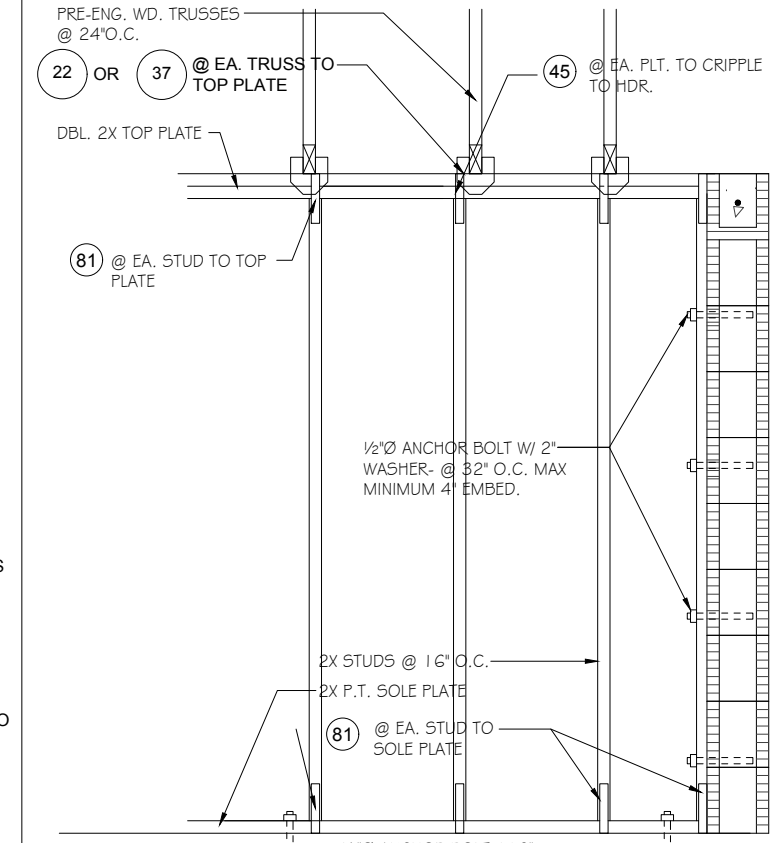
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D4
DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



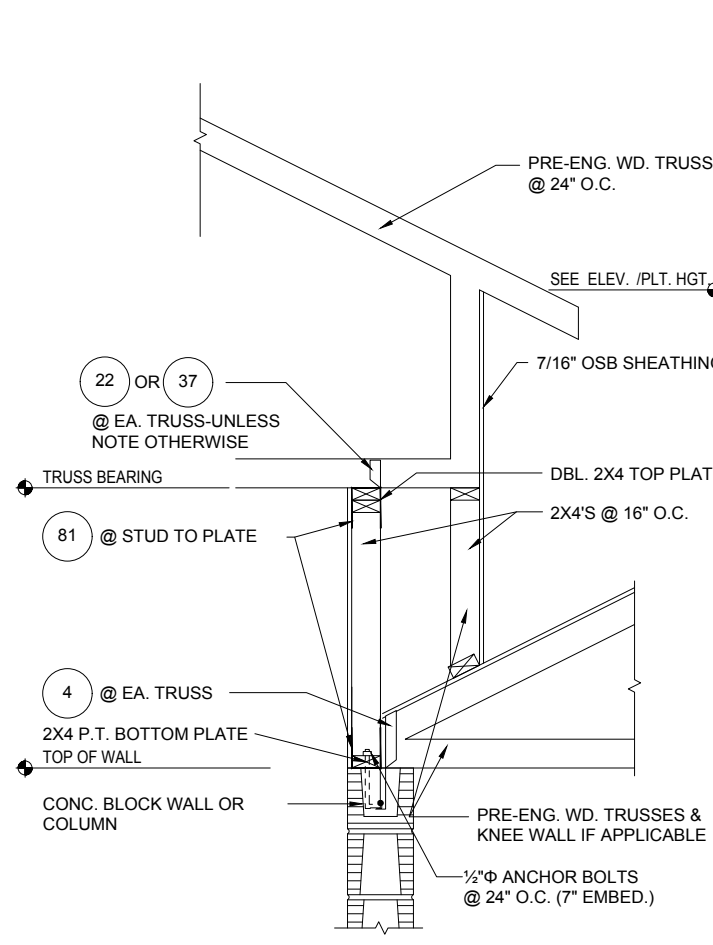
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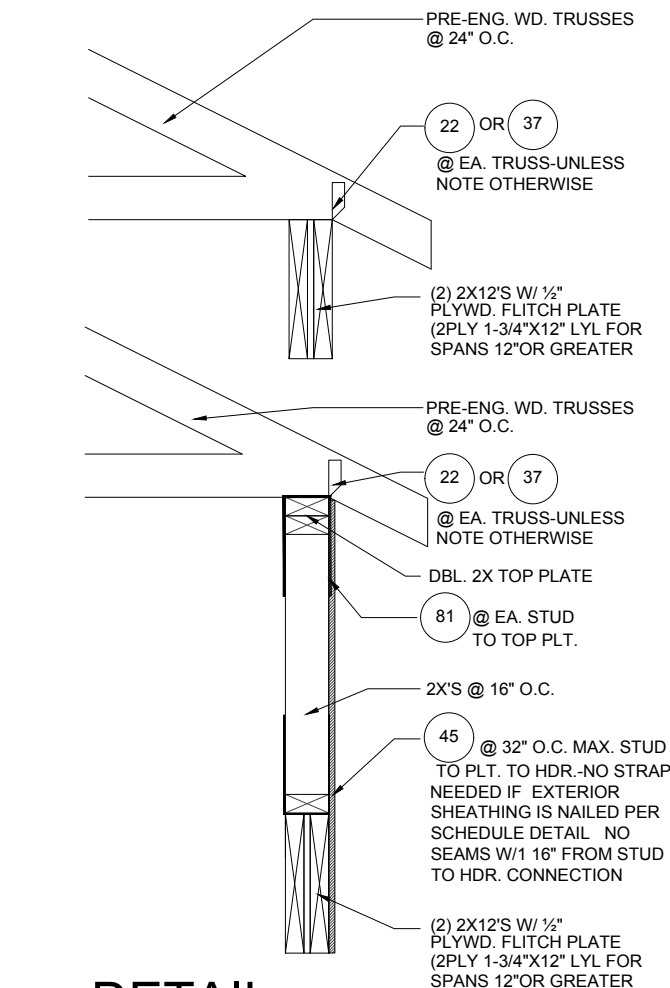
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DETAIL
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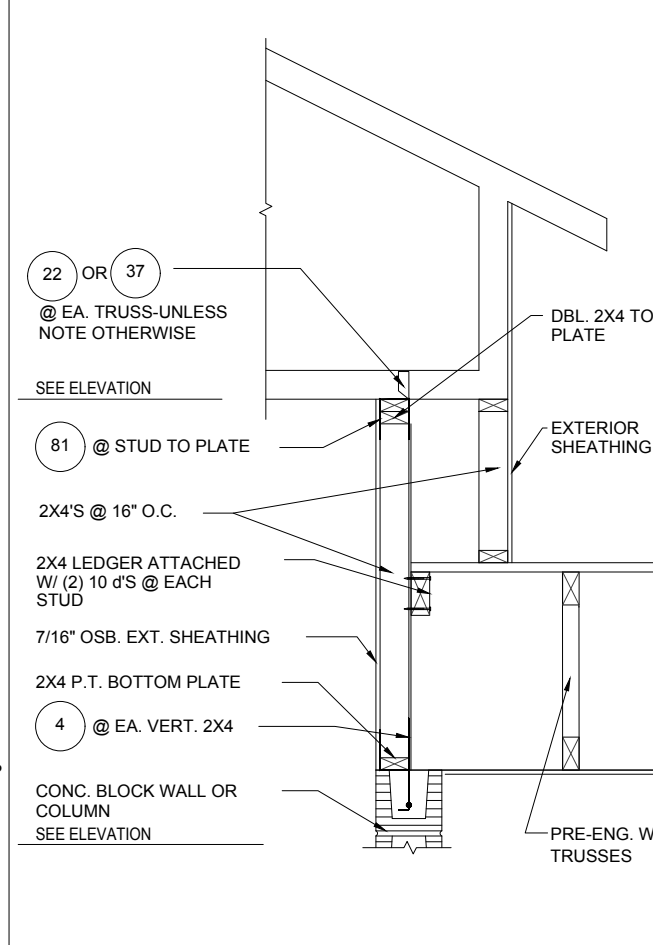
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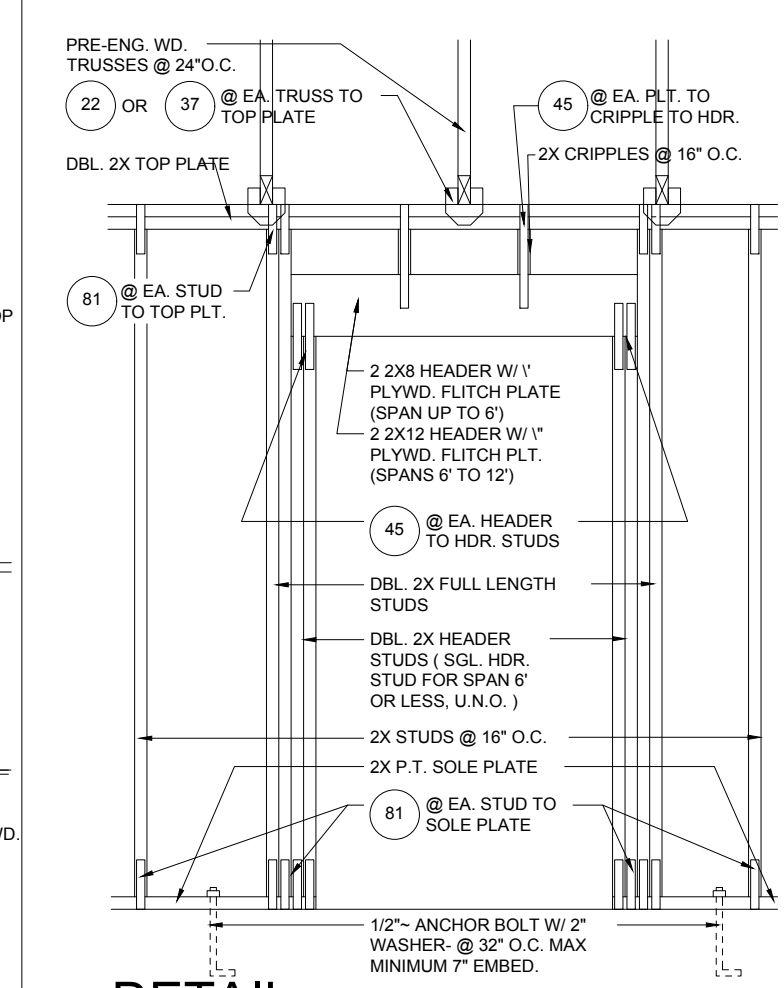
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D4
DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



5
D4
DETAIL



6
D4
DETAIL



8
D4
DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)

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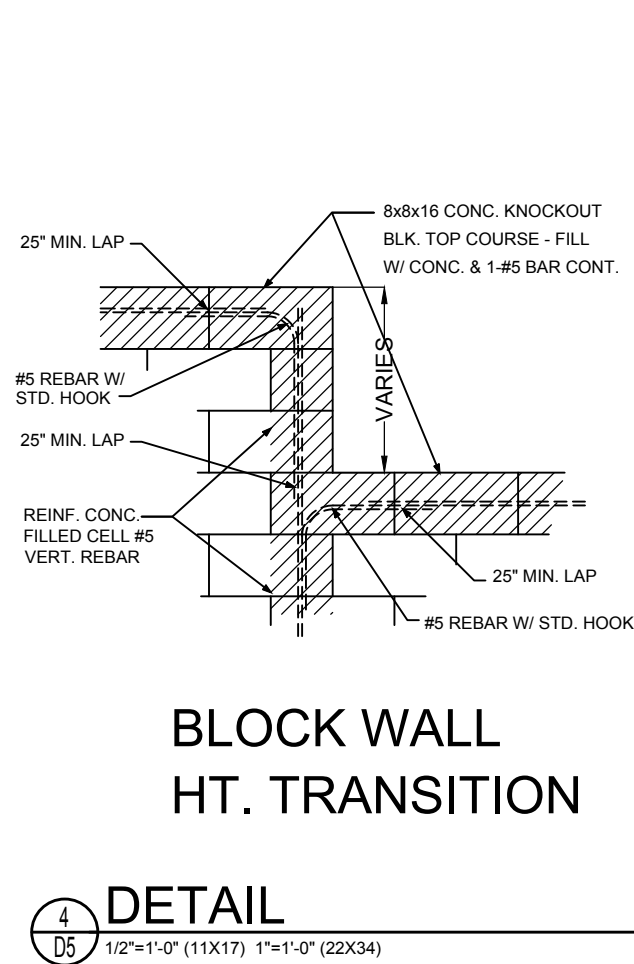
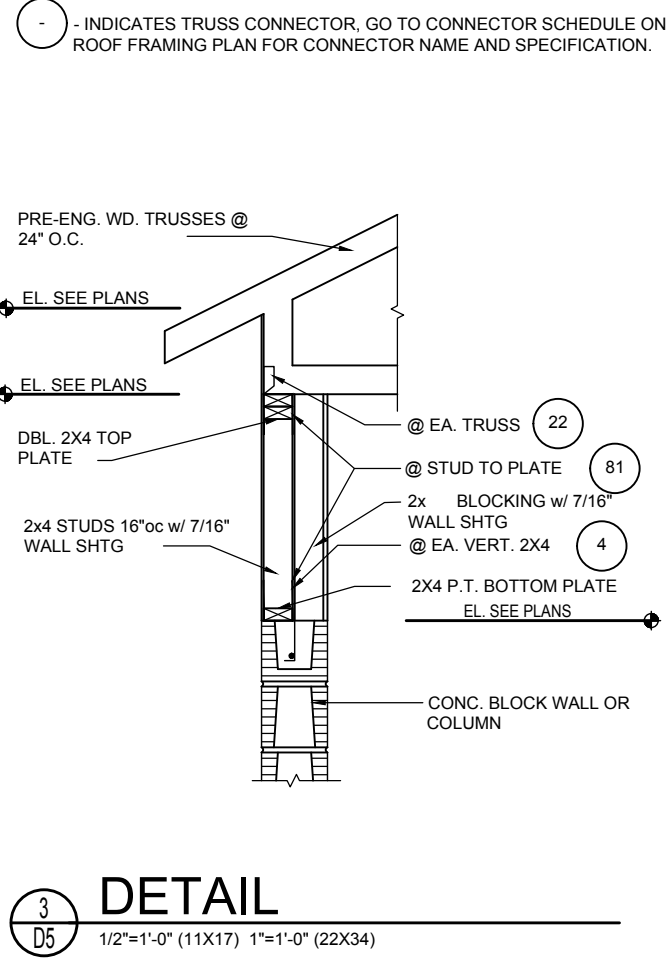
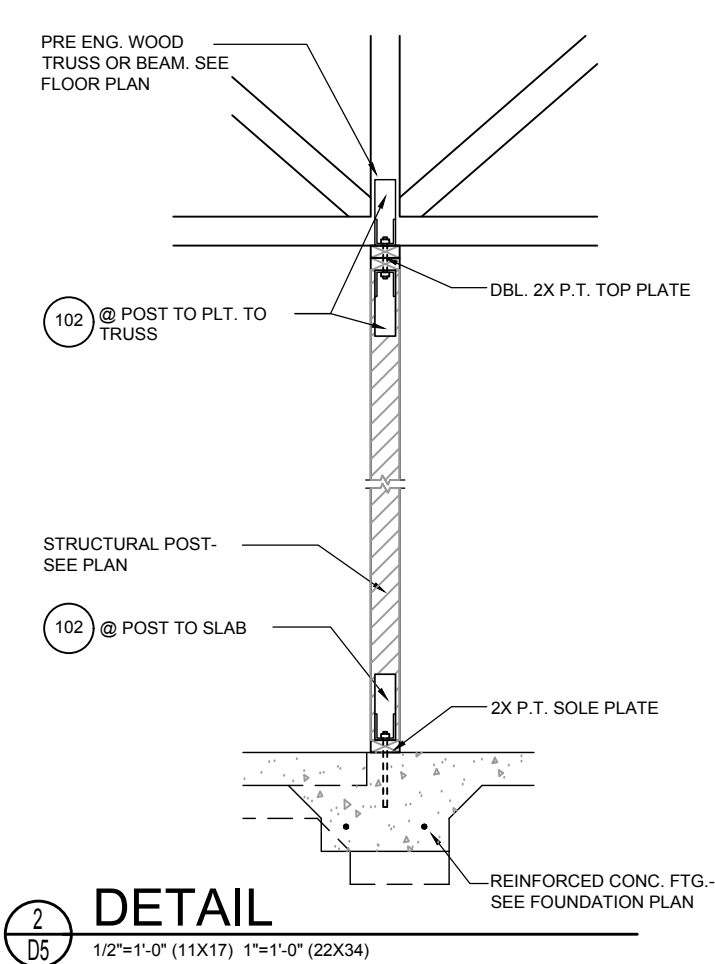
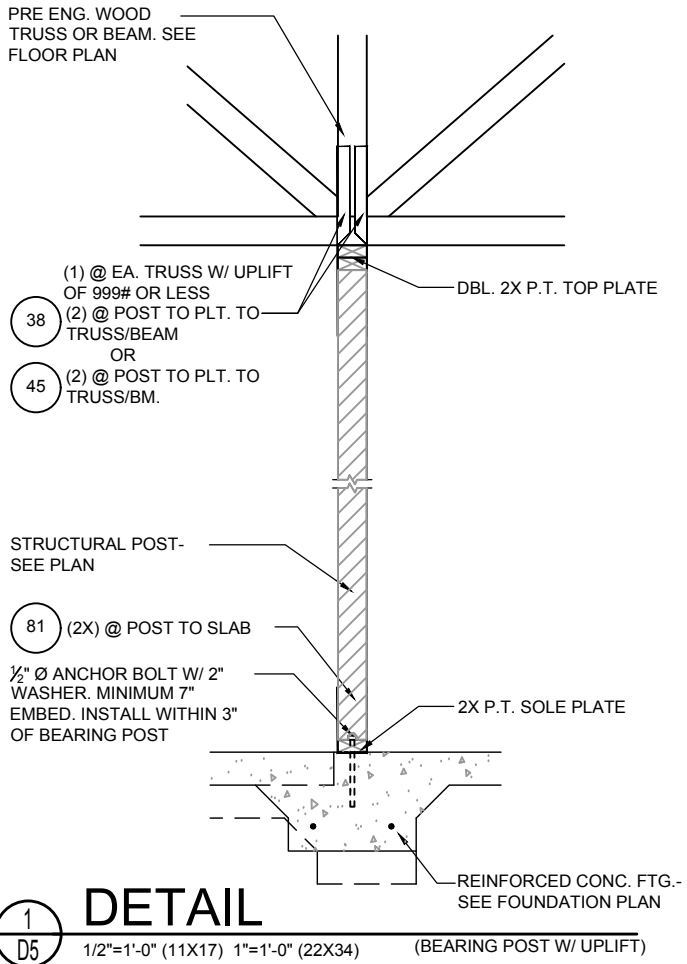
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STRUCTURAL DETAILS

1425 ARIES

40' EXPLORATION SERIES

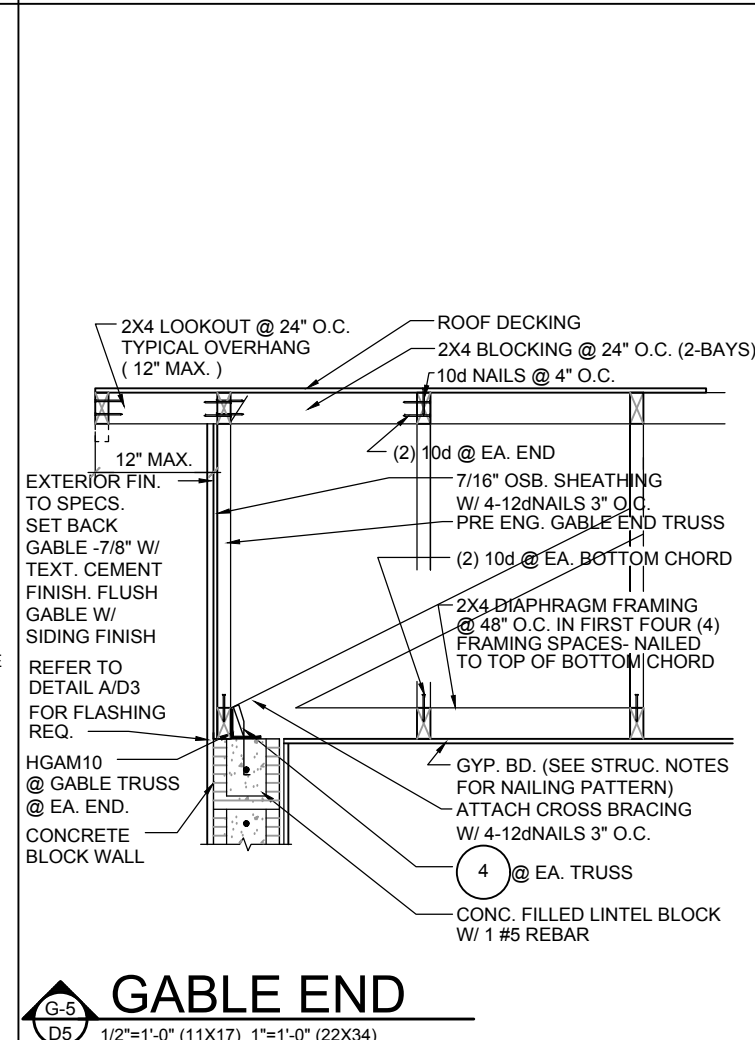
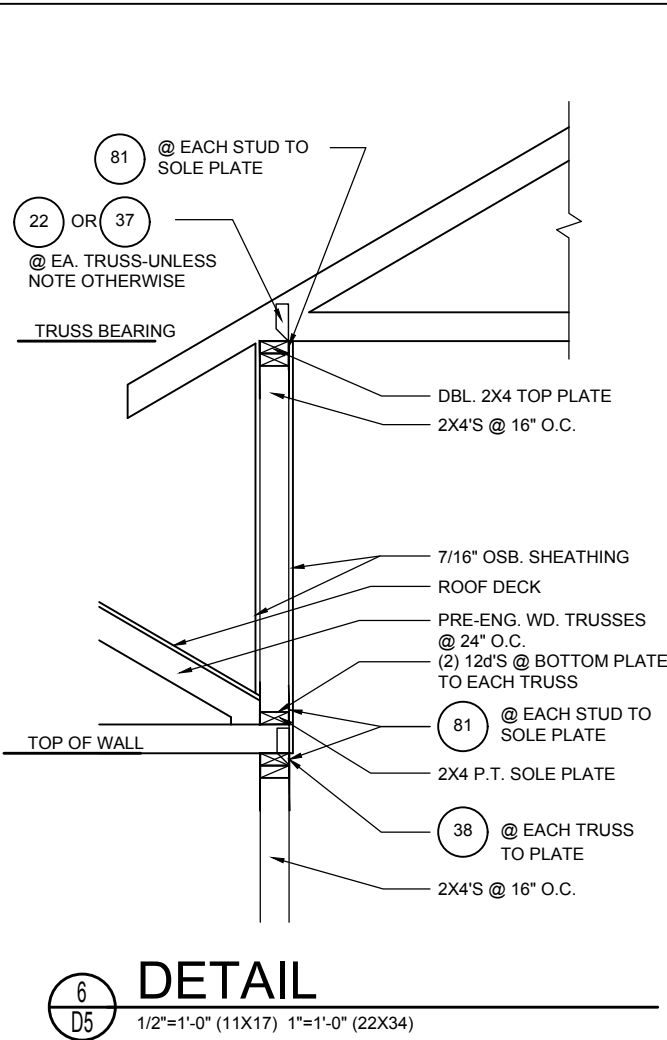
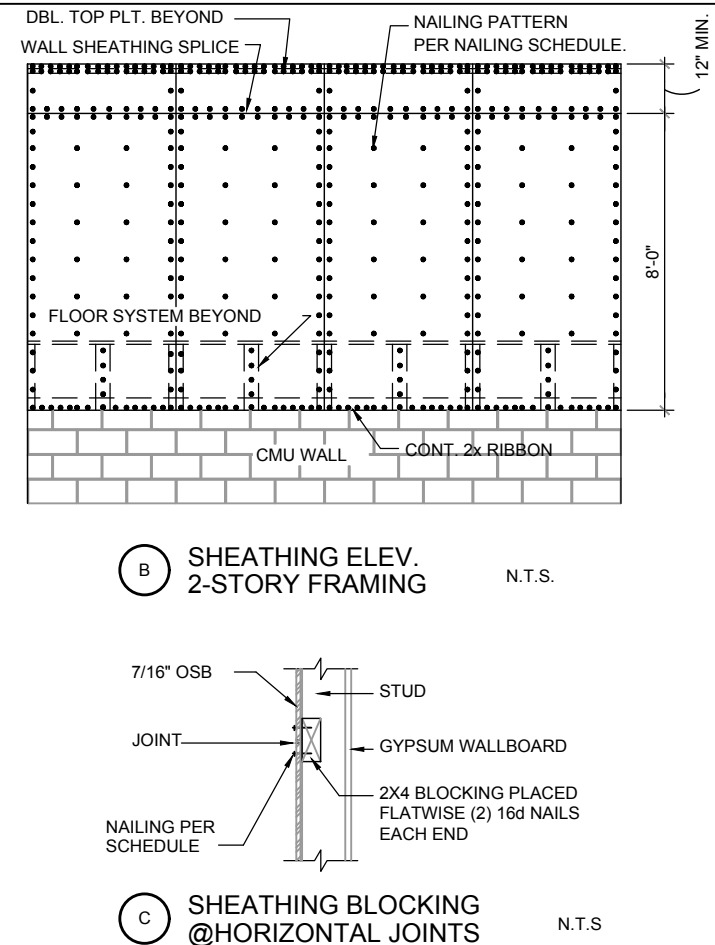
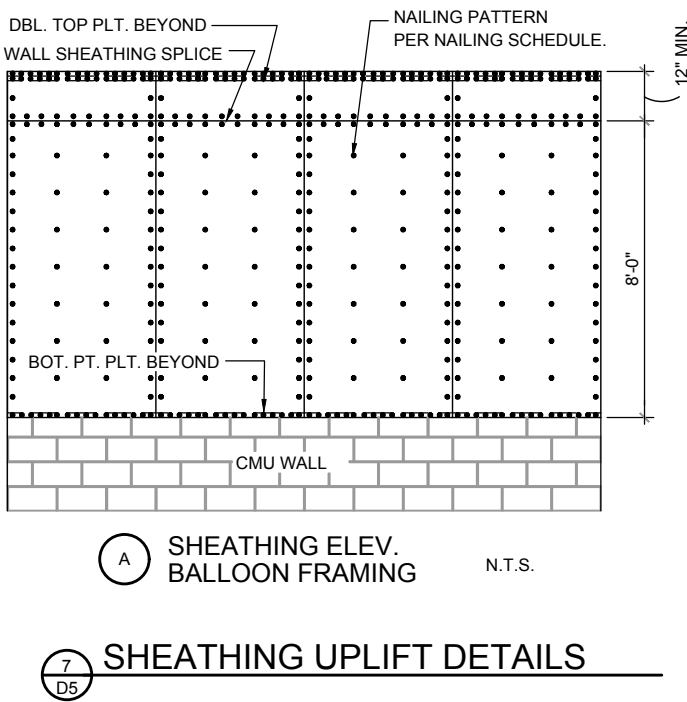
REVISIONS	
DELTA #	DATE
DATE:	09-02-25
SCALE:	AS NOTED
DRAWN:	MR
SHEET:	D4



BLOCK WALL HT. TRANSITION

NOTE:
1/2" PLYWOOD OR 7/16" O.S.B. TO BE USED AS UPLIFT RESISTANCE NO OTHER FASTENERS REQ'D. AT STUD/FLOOR TRUSS, EXCEPT AS NOTED ON PLANS IN TWO STORY FRAME APPLICATIONS, SHEATHING SHALL EXTEND MIN. 1'-0" W/O BREAK ABV. 2nd FLOOR BOTTOM PLT. TO T.O.M.

NAILING SCHEDULE:
(2) ROWS @ 3" O.C. AT TOP AND (1) ROW AT BOTTOM OF WALL, 6" O.C. ALL OTHER EDGES AND 12" IN FIELD. BLOCKING SHALL BE PLACED AT ALL SHEATHING JOINTS.



DISCLAIMER: CONTRACTOR/SUB-CONTRACTOR IS RESPONSIBLE TO REVIEW ALL INFORMATION CONTAINED HEREIN PRIOR TO COMMENCEMENT OF CONSTRUCTION. PARK SQUARE HOMES IS NOT RESPONSIBLE FOR ANY MISINTERPRETATIONS, ERRORS, OMISSIONS OR CUSTOM CHANGES MISSED AND NOT REPORTED PRIOR TO CONSTRUCTION. NO EXCEPTIONS.

THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 8th EDITION, 2003 OF THE FLORIDA BUILDING CODE-RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, COMMUNITY

REVISIONS	
DELTA #	DATE
DATE: 09-02-25	
SCALE: AS NOTED	
DRAWN: MR	
SHEET:	
D5	

1425 ARIES

40' EXPLORATION SERIES

STRUCTURAL DETAILS

Park Square Homes

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