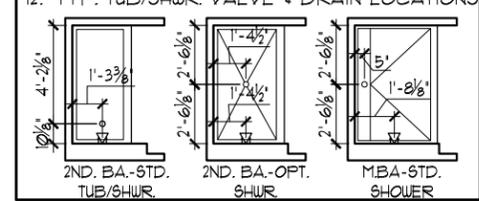
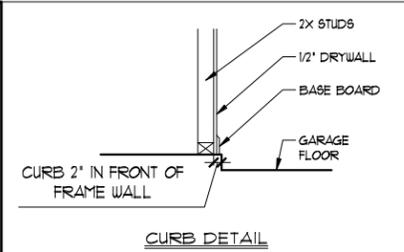


**SIDEWALK LAYOUT**

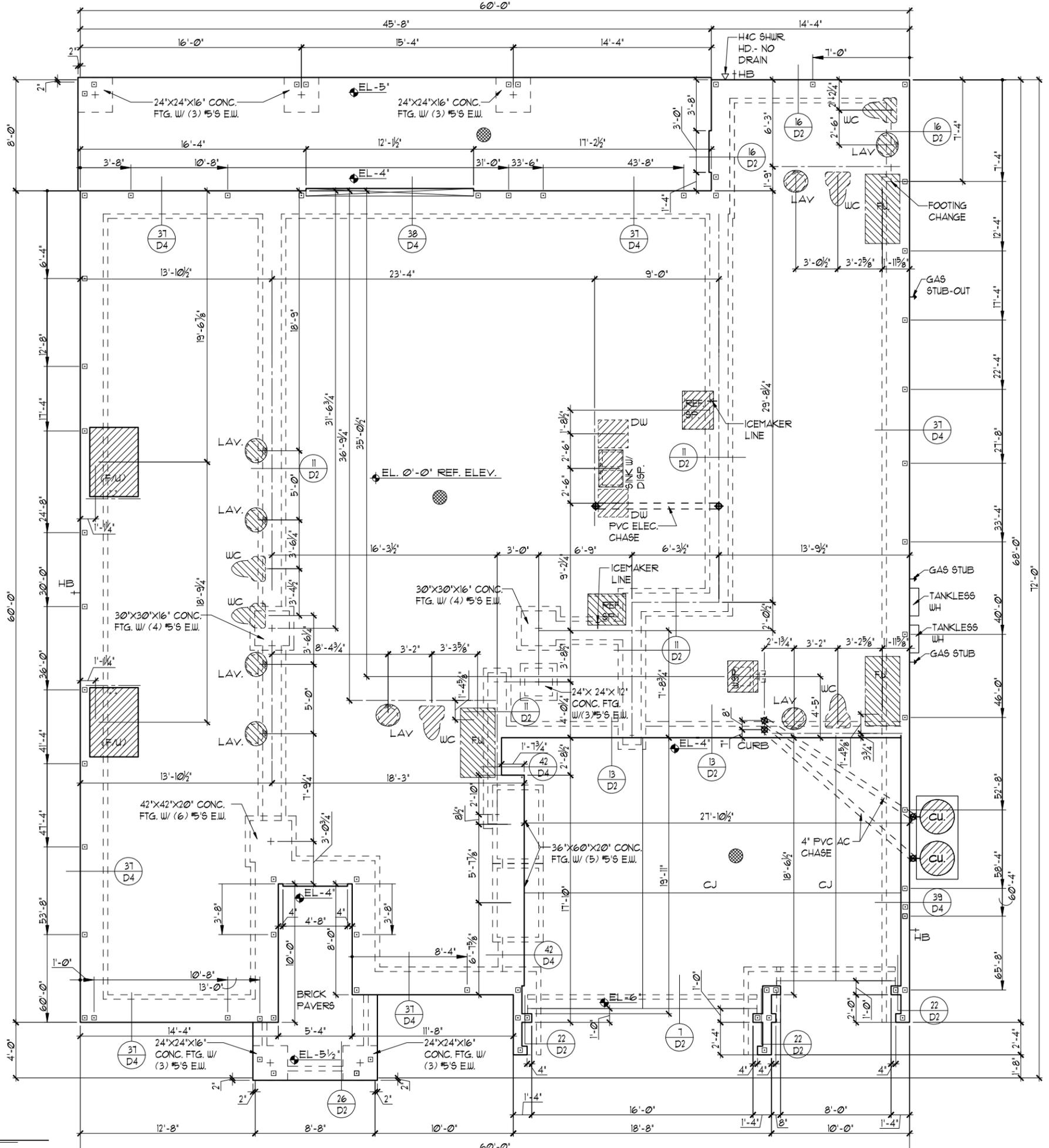
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

- FOUNDATION NOTES**
- CONTRACTOR VERIFY ALL DIMENSIONS ON JOB SITE.
  - DENOTES FILL CELL REINF. W/ CONC. W/ (1) #5 REBAR GRADE 60
  - DENOTES FILL CELL REINF. W/ CONC. W/ (2) #5 REBAR GRADE 60
  - DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
  - WATER HEATER T & P RELIEF VALVE SHALL BE FULL SIZE TO EXTERIOR WATER HEATER AT OR ABOVE FLOOR LEVEL SHALL BE IN A PAN WITH DRAIN TO EXTERIOR WATER HEATER SHALL HAVE APPROVED THERMAL EXPANSION DEVICE.
  - DENOTES FLOOR SLAB OF PLANT MIX CONCRETE 2500 P.S.I. 4" THICK WITH 6X6 10/10 GAUGE REINFORCING MAT. WITH MIN. 1" COVER. TERMITE TREATED SOIL WITH 2006mm (6 mil) POLYETHYLENE VAPOR BARRIER OVER COMPACTED CLEAN FILL. WVF SHALL BE PLACED IN MIDDLE TO UPPER THIRD OF SLAB AND SUPPORTED ON APPROVED SLAB BOLSTERS. FIBER MESH REINFORCEMENT MAY BE USED AS ALTERNATIVE TO WIRE MESH.
  - PAVERS MAY BE USED I/O CONCRETE SLABS IN PATIO, PORCH, DRIVE AND WALKWAY AREAS. DELETE SLAB IN AREAS PAVERS ARE USED.
  - ⊗ STANDARD FOOTING
  - MECHANICAL EQUIP. LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.
  - IN LIEU OF TREATING THE SOIL, AN ALTERNATIVE TO TERMITE TREATED SOIL CAN BE TERMICIDE.
  - BORA-CARE TO BE APPLIED ON INTERIOR WALLS IAW MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, PURSUANT TO CH.402 FLORIDA BUILDING CODE.
  - TYP. TUB/SHUR. VALVE & DRAIN LOCATIONS



**FOUNDATION PLAN "A"**

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



THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2003 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**LOT: 0000, WATERSONG**

DATE 04-09-21 SCALE AS NOTED DRAWN RDC JOB 6374 SHEET 01A.0 OF 2 SHEETS

**FOUNDATION PLAN**

**WATERFALL**  
**PARADISO GRANDE**

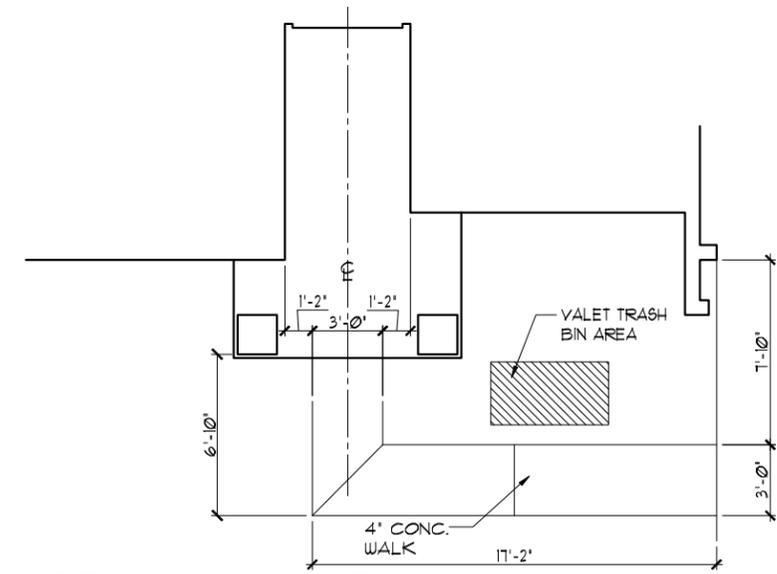
**6374**

DATE 04-09-21  
SCALE AS NOTED  
DRAWN RDC  
JOB 6374  
SHEET 01A.0  
OF 2 SHEETS

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

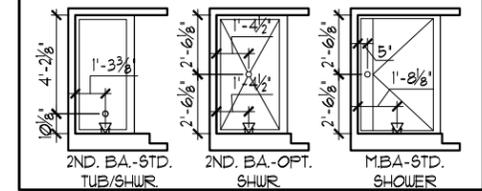
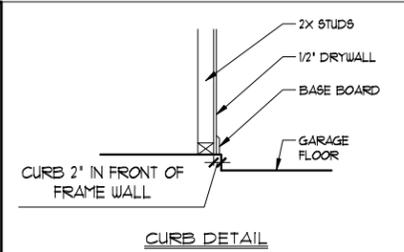




**SIDEWALK LAYOUT**

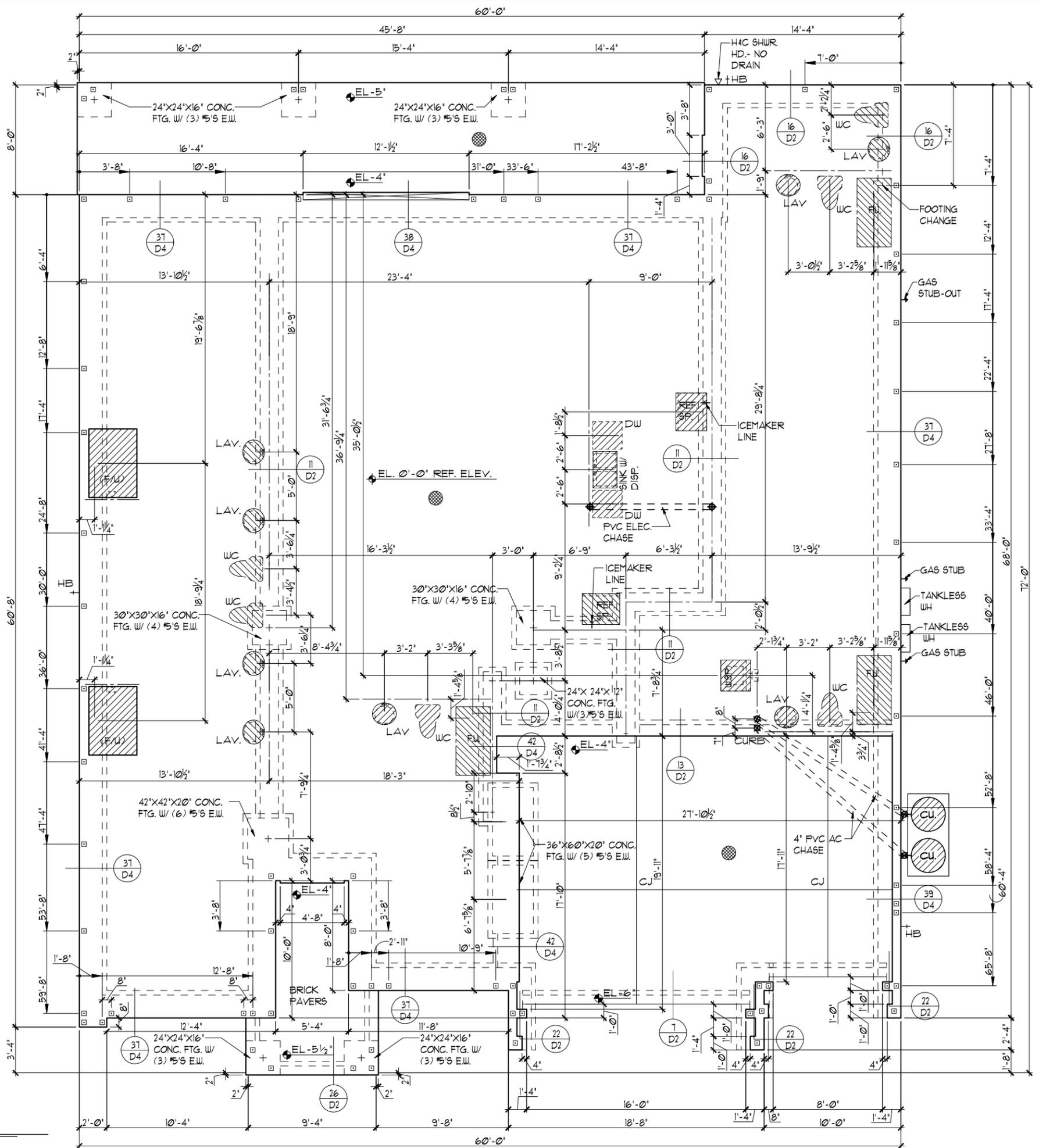
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  - TYP. TUB/SHUR VALVE & DRAIN LOCATIONS



**FOUNDATION PLAN "B"**

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



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LOT: 0000, WATERSONG

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	01B.0
OF	SHEETS

WATERFALL  
PARADISO GRANDE

**FOUNDATION PLAN**

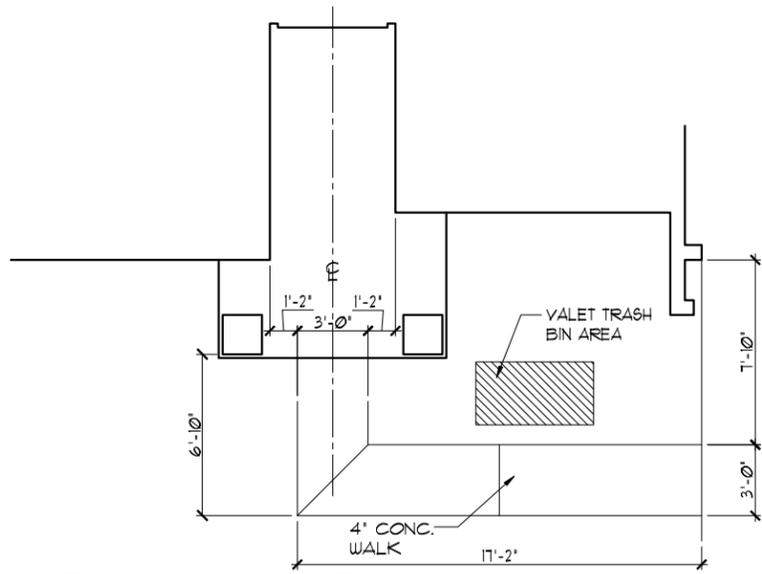
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**ITEG**  
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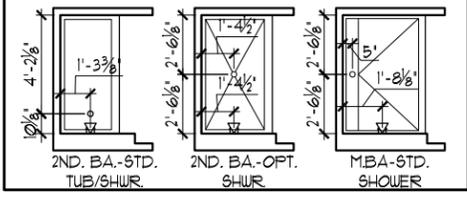


**SIDEWALK LAYOUT**

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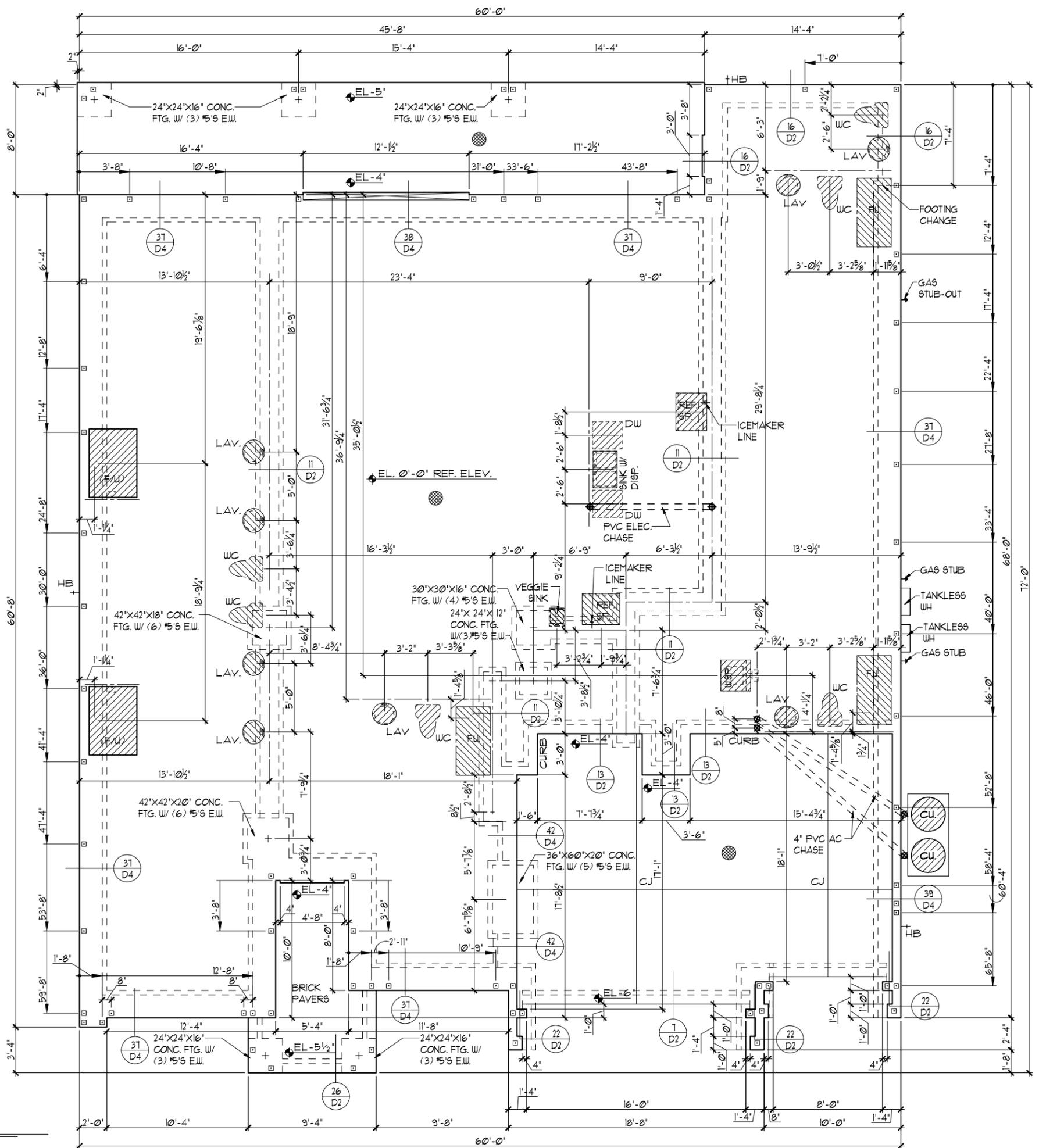
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**FOUNDATION PLAN "C"**

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



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**LOT: 0000, WATERSONG**

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 Tel: (407) 734-1400  
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 Orlando, Florida, 32811  
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**FOUNDATION PLAN**

**WATERFALL**

**PARADISO GRANDE**

**6374**

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

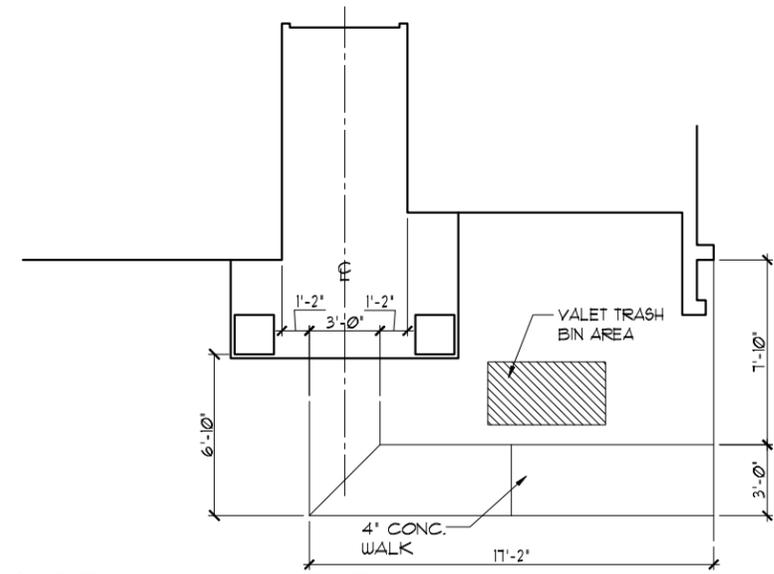
JOB 6374

SHEET

01C.0

OF SHEETS

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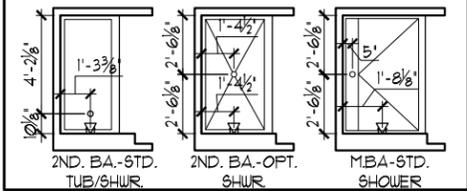
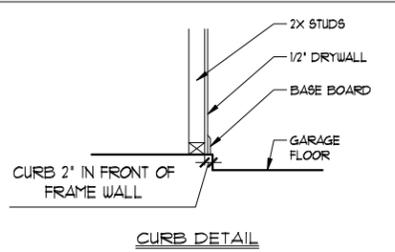


**SIDEWALK LAYOUT**

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

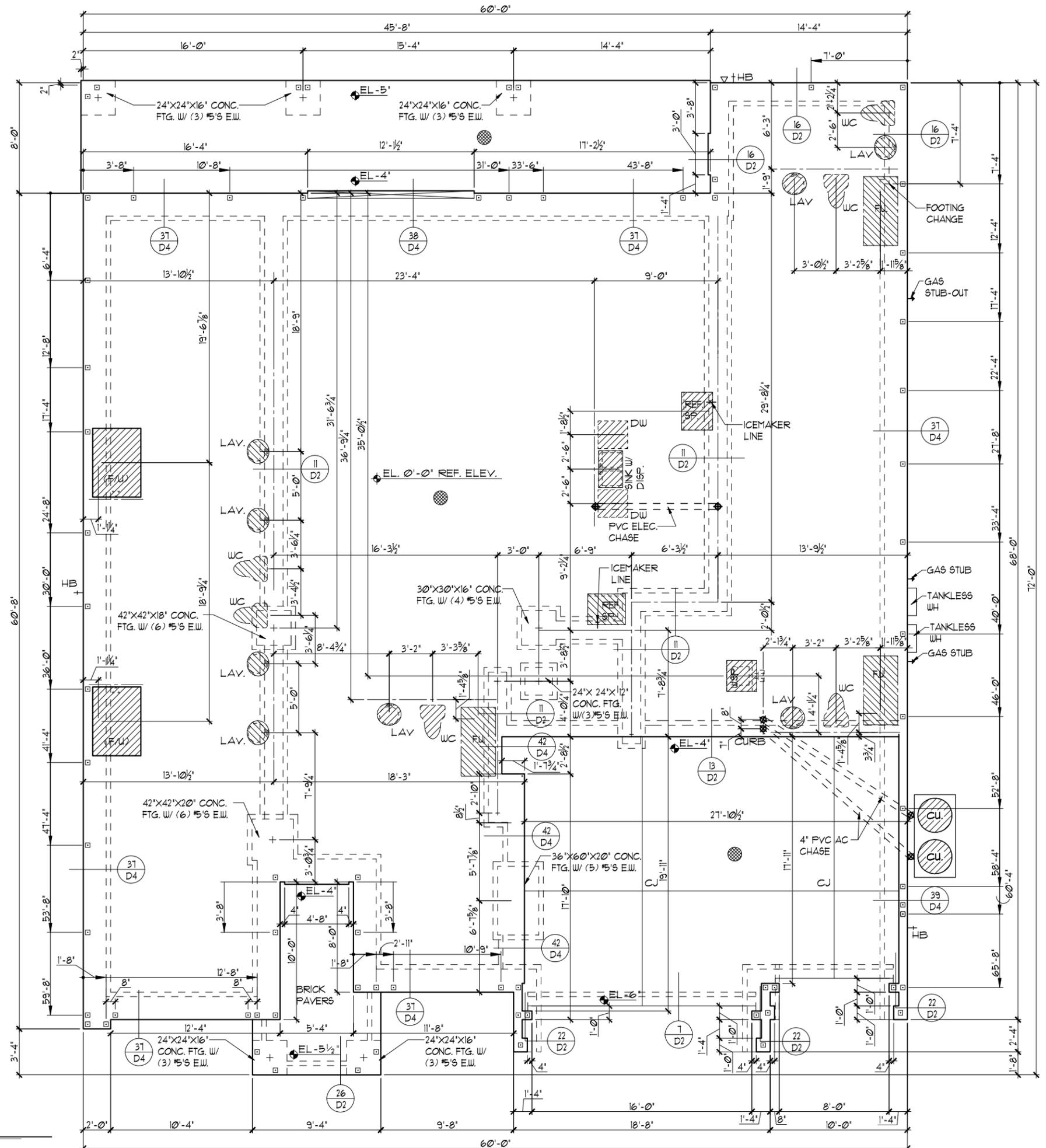
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**FOUNDATION PLAN "C"**

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



THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**LOT: 0000, WATERSONG**

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	01C.0
OF SHEETS	01

**WATERFALL  
PARADISO GRANDE**

**FOUNDATION PLAN**

**Park Square  
HOMES**

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5200 Vineland Road, Suite 200  
Orlando, Florida, 32811  
Phone: (407) 529 - 3000

**ITEG**  
THOMPSON ENGINEERING GROUP, INC.  
10000 South Orange Avenue, Suite 100  
Orlando, Florida 32837  
Phone: (407) 734-1700  
www.iteg.com

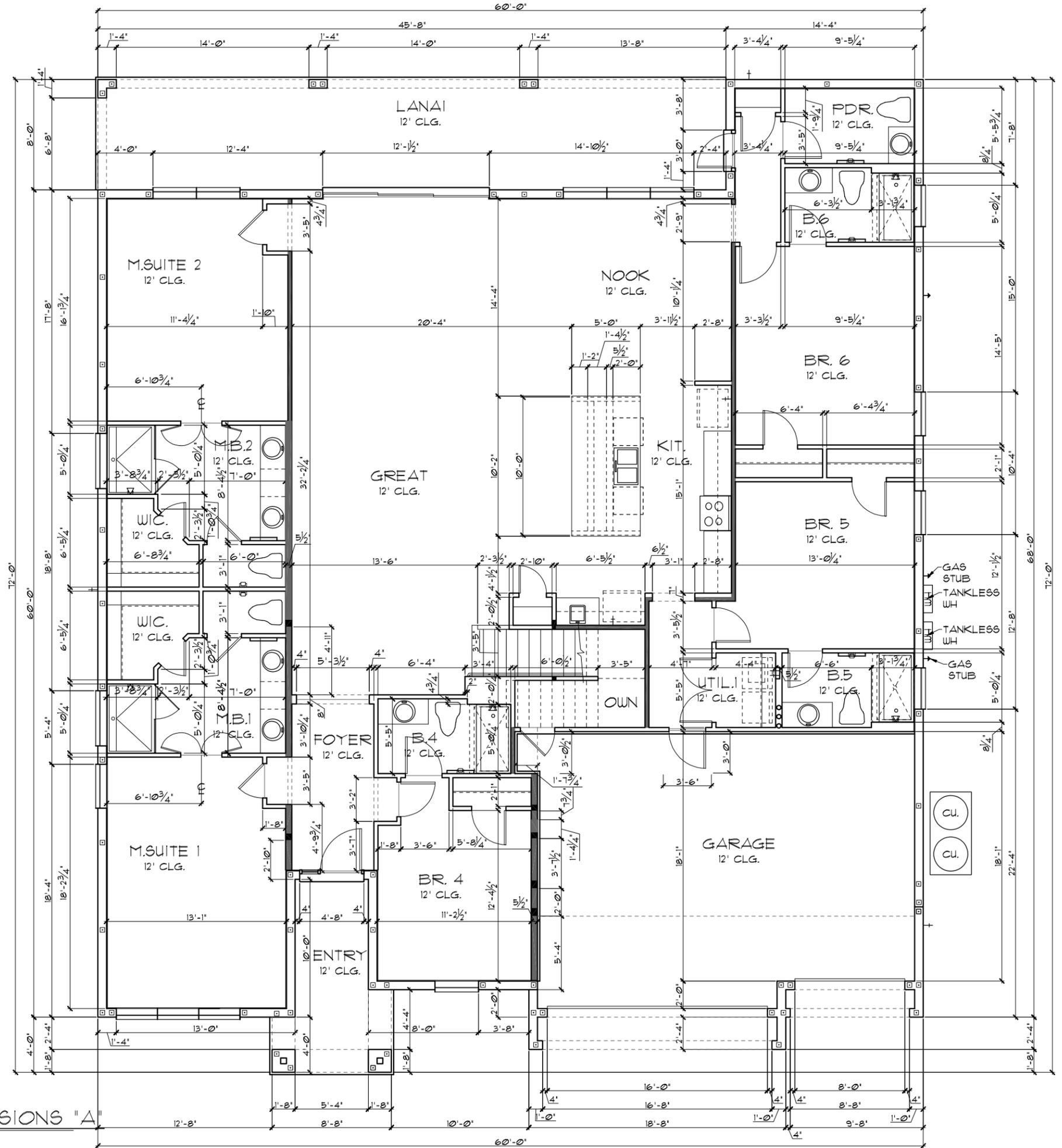
REVISIONS	BY

TABULATION	
UPPER LIVING	3,323 SF.
LOWER LIVING	3,051 SF.
TOTAL LIVING	6,374 SF.
GARAGE	567 SF.
ENTRY	155 SF.
LANAI	365 SF.
TOTAL UNDER ROOF	7,461 SF.

- GENERAL NOTES**
1. CONTRACTOR TO VERIFY ALL DIMENSIONS ON JOB SITE.
  2. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
  3. ALL INTERIOR FRAME WALL DIMENSIONS TO BE 3/2" UNLESS NOTED OTHERWISE.
  4. ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 1 1/2" UNLESS NOTED OTHERWISE.
  5. PULL ALL DIMENSIONS FROM THE REAR OF PLAN.

**FLOOR PLAN W/ DIMENSIONS "A"**

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



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LOT: 0000, WATERSONG

DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 02A.0  
 OF SHEETS

WATERFALL  
 PARADISO GRANDE

FLOOR PLAN W/ DIMENSIONS

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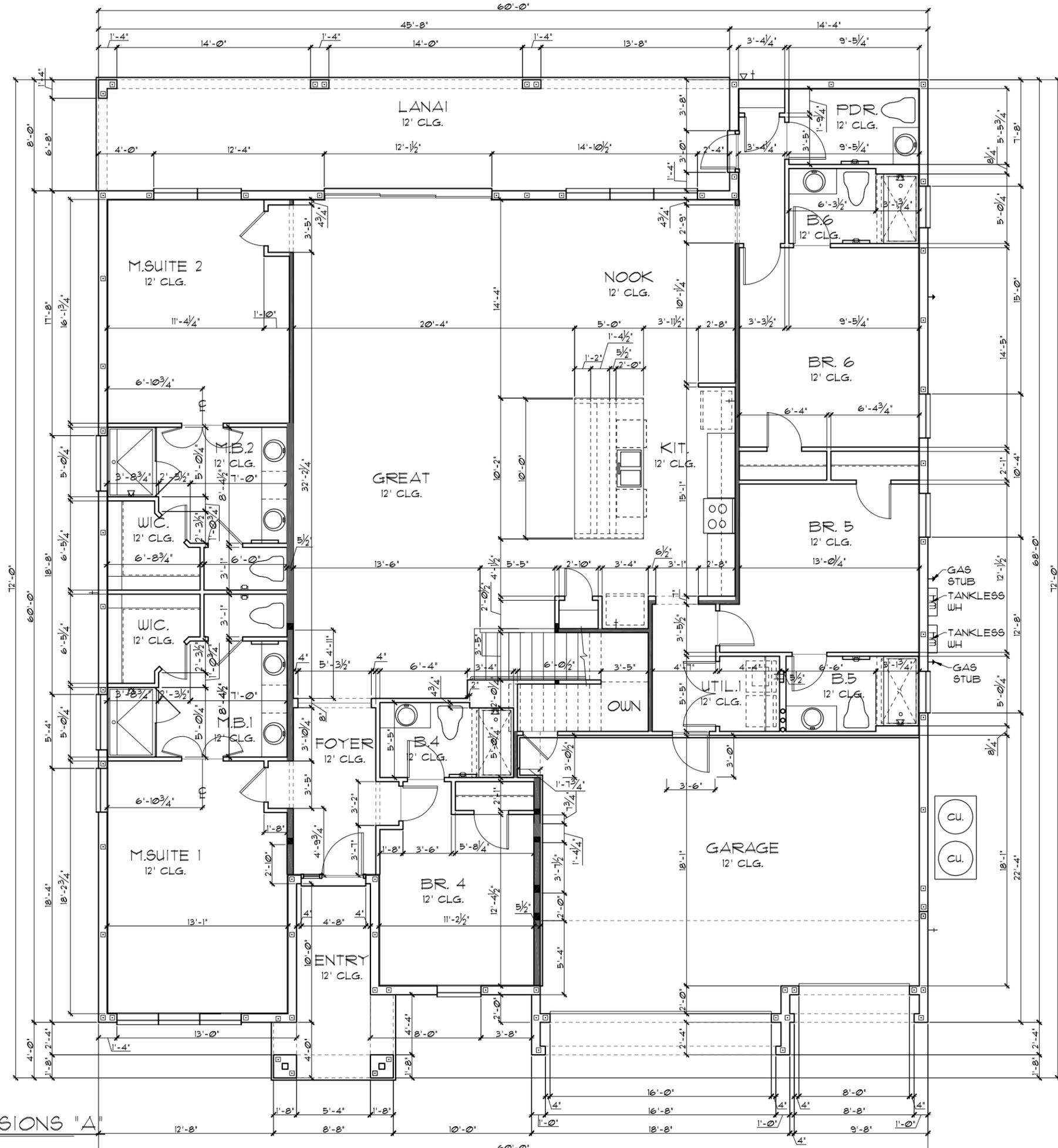
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**6374**  
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**WATERFALL**  
**PARADISO GRANDE**

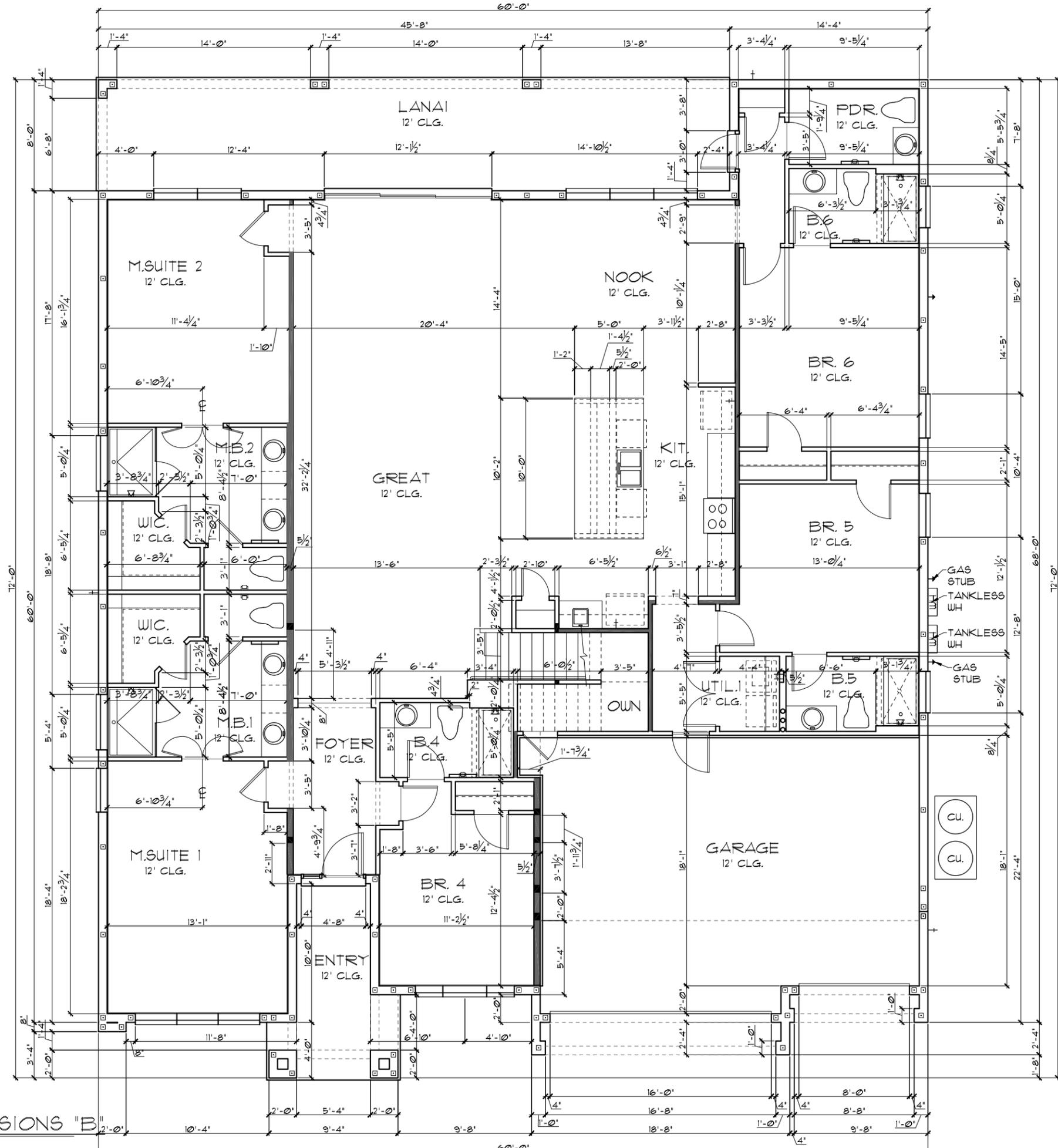
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TABULATION	
UPPER LIVING	3,323 SF.
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GARAGE	567 SF.
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**FLOOR PLAN W/ DIMENSIONS "B"**  
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**LOT: 0000, WATERSONG**

**6374**

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 6374

SHEET 02B.0

OF SHEETS

**WATERFALL**

**PARADISO GRANDE**

**FLOOR PLAN W/ DIMENSIONS**

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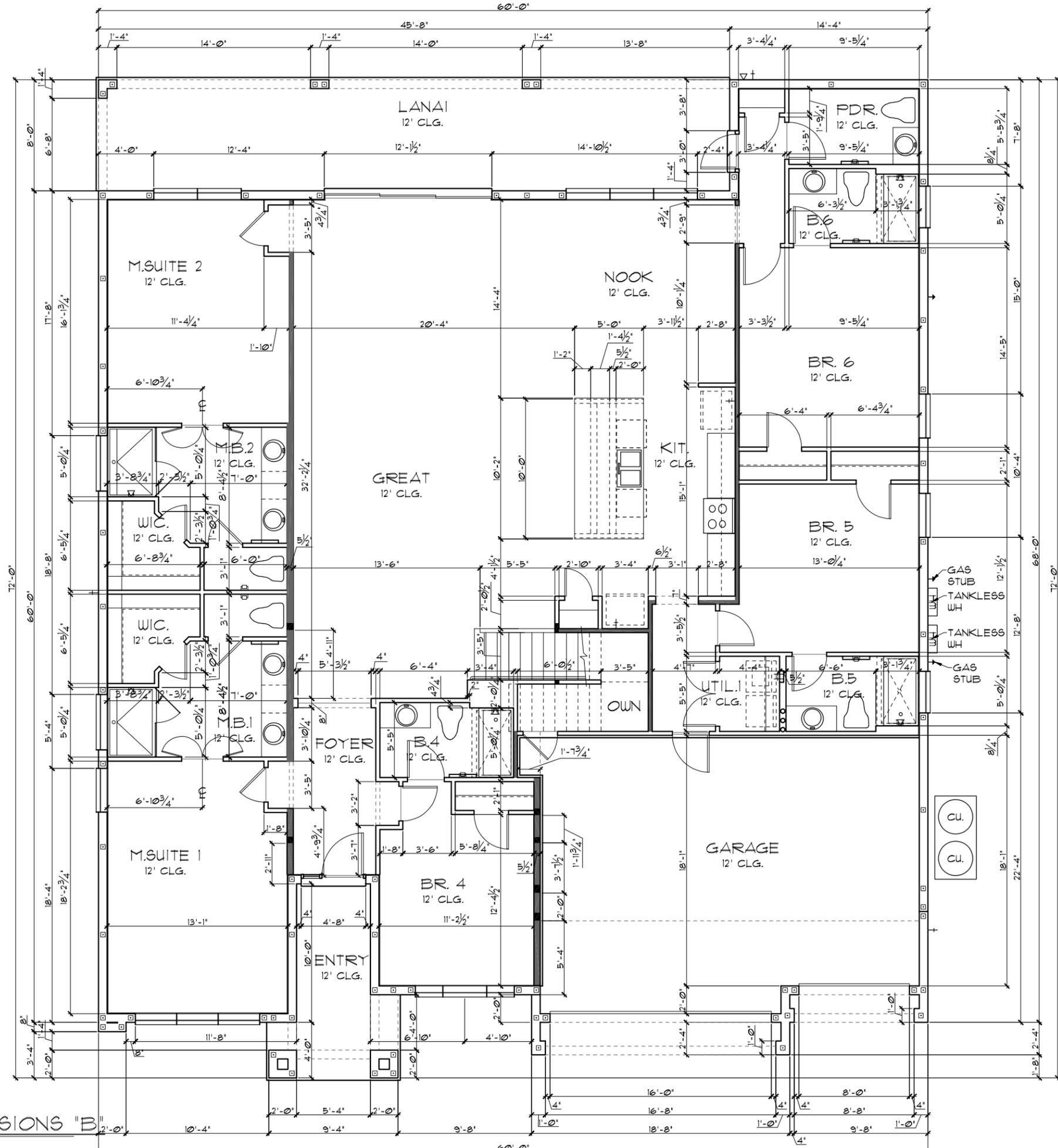
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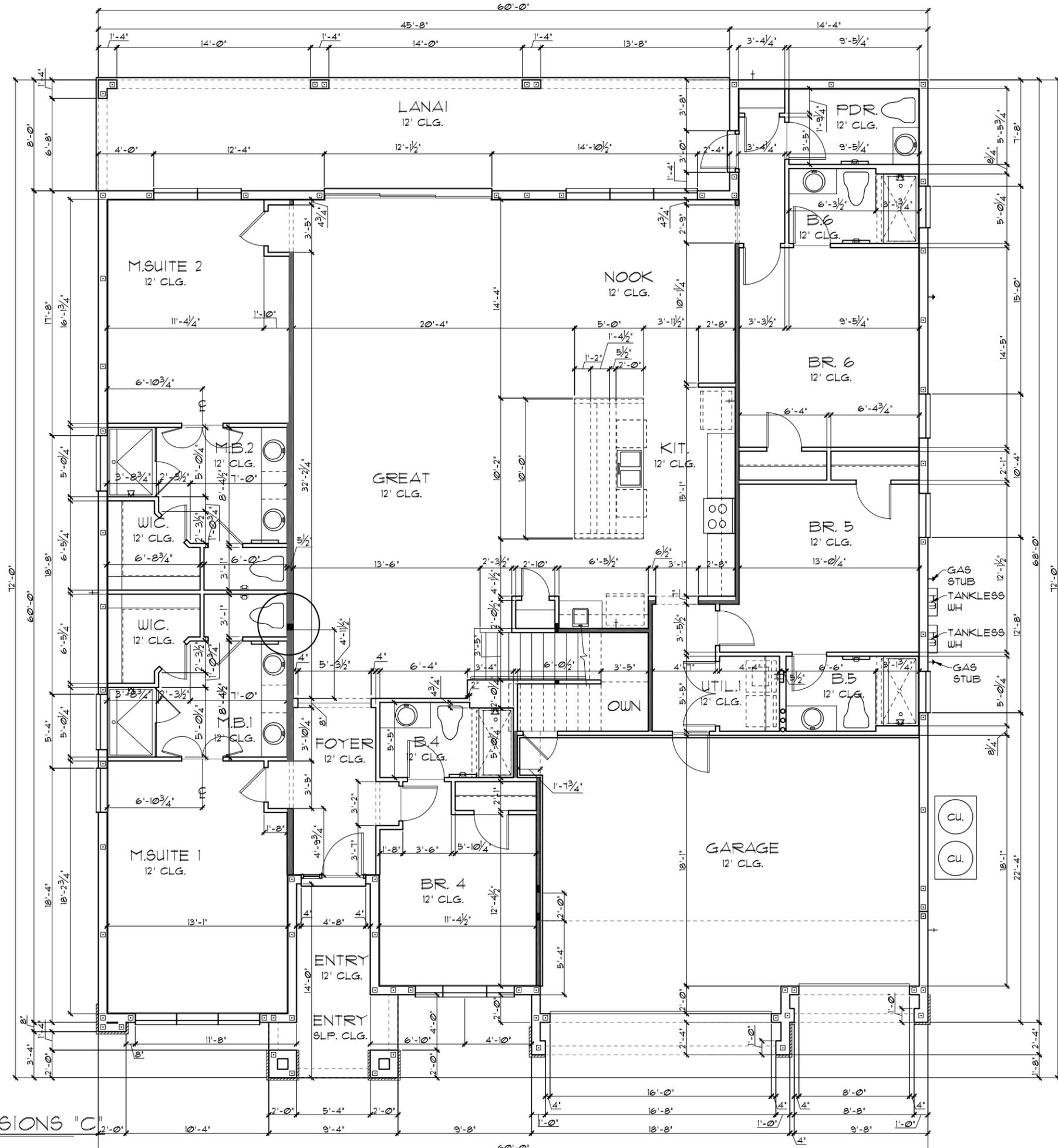
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<b>WATERFALL</b> <b>PARADISO GRANDE</b>		
<b>6374</b>		DATE 04-09-21 SCALE AS NOTED DRAWN RDC JOB 6374 SHEET 02B.0 OF SHEETS

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  - 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 3/2" UNLESS NOTED OTHERWISE.
  - ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 1 1/2" UNLESS NOTED OTHERWISE.
  - FULL ALL DIMENSIONS FROM THE REAR OF PLAN.

FLOOR PLAN W/ DIMENSIONS "C"

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



THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**LOT: 0000, WATERSONG**

**WATERFALL PARADISO GRANDE**

**6374**

DATE 04-09-21  
SCALE AS NOTED  
DRAWN RDC  
JOB 6374  
SHEET 02C OF 02

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

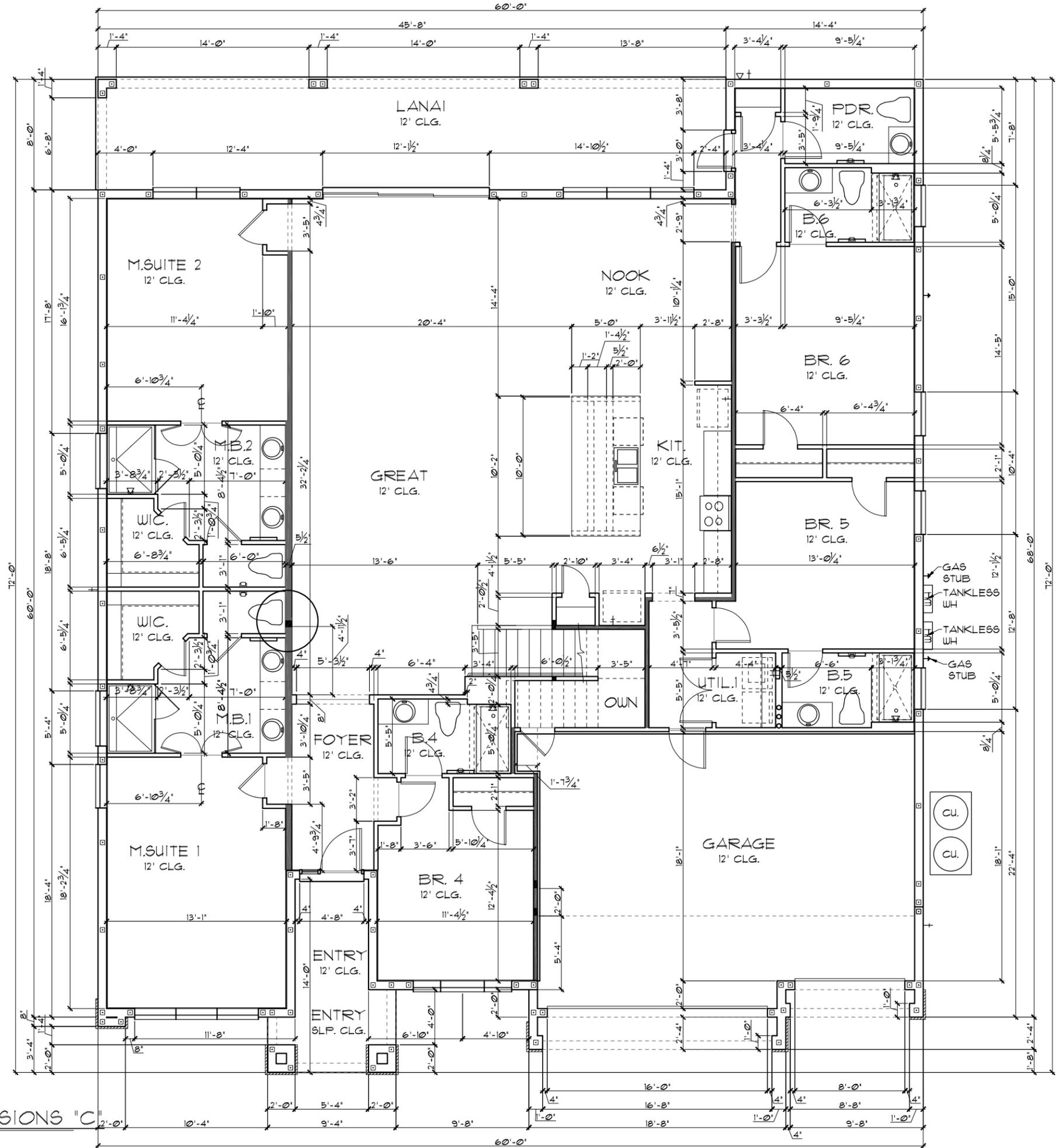
REVISIONS	BY

TABULATION	
UPPER LIVING	3,323 SF.
LOWER LIVING	3,051 SF.
TOTAL LIVING	6,374 SF.
GARAGE	567 SF.
ENTRY	158 SF.
LANAI	365 SF.
TOTAL UNDER ROOF	7,464 SF.

- 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 3/2" UNLESS NOTED OTHERWISE.
  - ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 1 1/2" UNLESS NOTED OTHERWISE.
  - FULL ALL DIMENSIONS FROM THE REAR OF PLAN.

**FLOOR PLAN W/ DIMENSIONS "C"**

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



THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH  
**LOT: 0000, WATERSONG**  
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 <small>ITTEG ENGINEERING GROUP, INC.</small> <small>14001 W. Colonial Ave., Suite 200</small> <small>Orlando, Florida 32811</small> <small>Phone: (407) 734-1700</small> <small>www.iteg.com</small>	
<b>Waterfall</b> <b>Paradiso Grande</b>	<b>FLOOR PLAN W/ DIMENSIONS</b>
<b>6374</b> <small>DATE 04-09-21</small> <small>SCALE AS NOTED</small> <small>DRAWN RDC</small> <small>JOB 6374</small> <small>SHEET</small> <b>02C</b> <small>OF SHEETS</small>	<small>REVISIONS</small> <small>BY</small>

**LOAD INFORMATION**  
PER 17TH EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

**DEAD LOADS**

FLOOR: STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
PARTITIONS	5 PSF
<b>TOTAL</b>	<b>20 PSF</b>

**ROOF: LIVE LOADS**

SHEATHING	5 PSF
STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
<b>TOTAL</b>	<b>20 PSF</b>

**FLOOR LIVE LOADS**

RESIDENTIAL FLOOR:	40 PSF
UNINHABITABLE ATTIC WITHOUT STORAGE:	10 PSF
UNINHABITABLE ATTIC W/LIMITED STORAGE:	20 PSF
ROOMS OTHER THAN SLEEPING ROOM:	40 PSF
SLEEPING ROOM:	30 PSF
STAIR LIVE LOAD:	40 PSF
BALCONIES:	40 PSF
PASSENGER VEHICLE GARAGE:	50 PSF

**ROOF LIVE LOADS**

MINIMUM ROOF LIVE LOAD (PSF)	TRIBUTARY LOADED AREA (SQ. FT.)		
0-200	201-600	OVER 600	
≥ 4:12 < 4:12	20	16	12
≥ 4:12 < 12:12	16	14	12
≥ 12:12	12	12	12

**NOTE:** 1. 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 20MIN. FIRE RATED IAW R302.5

**EGRESS WINDOW SCHEDULE - R310.2.1- FBCR2020**

9H26	31 1/8" H. X 33 1/4" W.	MIN. NET CLEAR OPENING 7.19 SQFT
9H26	72" H. X 37 3/4" W. R.O.	

**NOTE:**

- ALL EMERGENCY ESCAPE WINDOW SILLS TO BE NOT MORE THAN 44" MIN. A.F.F. - R310.2 - FBCR (2020)
- WINDOWS SILLS LOCATED LESS THAN 24" ABOVE FINISH FLOOR AND GREATER THAN 12" FINISHED GRADE MUST COMPLY WITH FBCR 312.2

PER FBC R301- TABLE R301.5

GUARDRAILS & HANDRAILS	200 PSF
GUARDRAIL IN - FILL COMPONENTS	50 PSF
STAIRS	40 PSF

**NOTE:** TEMPERED GLAZING IS REQUIRED AT ALL HAZARDOUS LOCATIONS AS DEFINED IN FBC R308.4

PER FBC R301- TABLE R301.5

GUARDRAILS & HANDRAILS	200 PSF
GUARDRAIL IN - FILL COMPONENTS	50 PSF
GUARDRAILS HEIGHT	36" MIN.
HANDRAIL HEIGHT	34" MIN. TO 38" MAX.
GUARDRAIL OPENING LIMITATIONS	4" IN DIAMETER MAX.

**WIND INFORMATION**  
PER 17TH EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

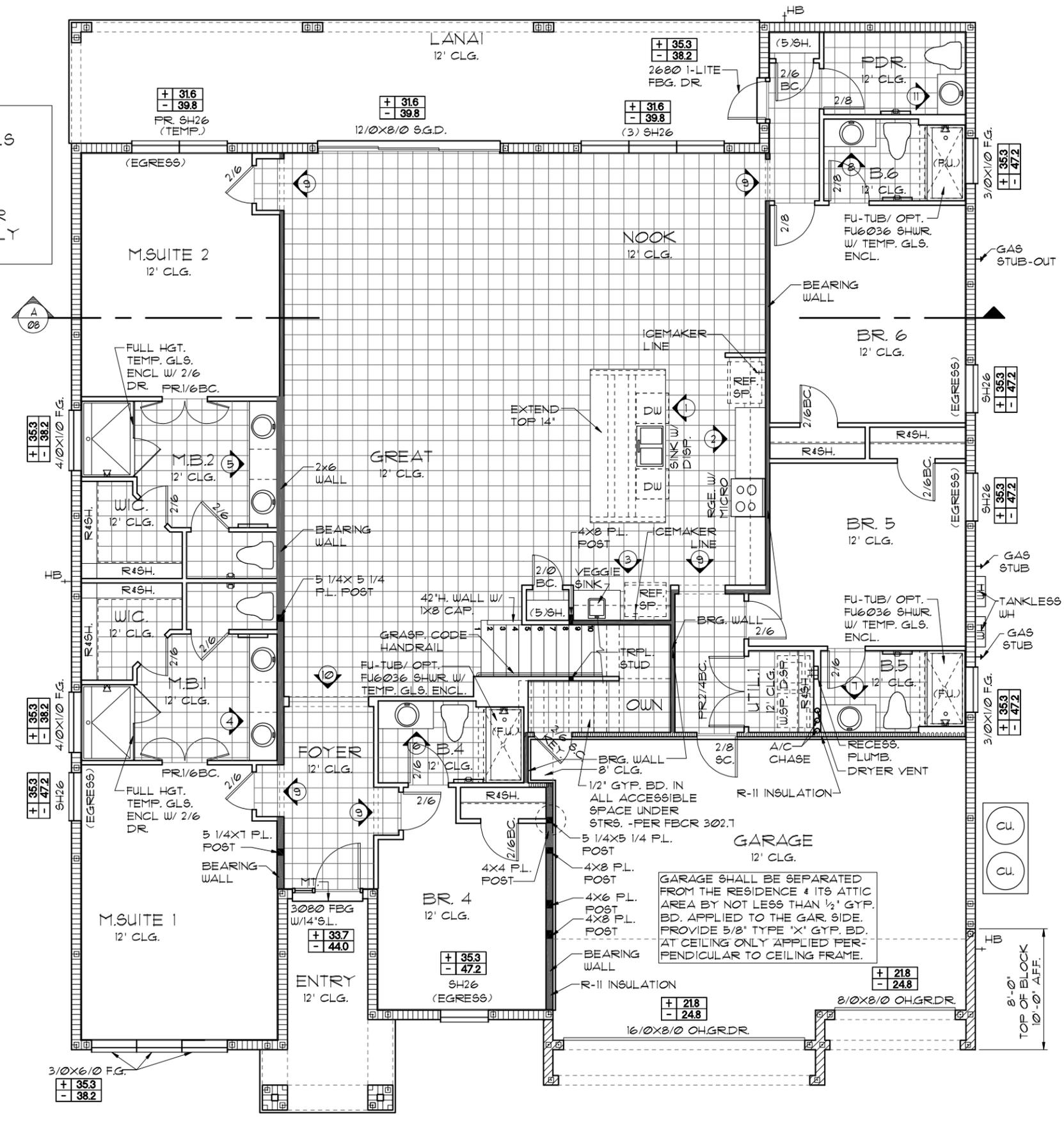
- BASIC WIND SPEED: 140 MPH
- RISK CATEGORY: II
- WIND EXPOSURE: B
- BUILDING TYPE: V B
- ENCLOSURE: +/- .18, INCLUDED CLASSIFICATION INTERNAL IN NOTE #6
- PRESSURE COEFFICIENT: SEE PLAN DESIGN WIND PRESSURE
- COMPONENT / CLADDING: SEE PLAN DESIGN WIND PRESSURE

**XXX** DESIGN WIND PRESSURE IAW FLA  
**-XXX** RESIDENTIAL CODE, SECTION R301

**NOTE:** DESIGN PRESSURES BASED ON BASIC WIND SPEED AND NOT ULTIMATE WIND SPEED.

- GENERAL NOTES**
- PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
  - VENT DRYER THRU ROOF.
  - PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
  - DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
  - MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
  - |  |   |
|--|---|
|  | DENOTES CONC. BLOCK WALL HGT. @ 12'-0" A.F.F. |
|  | DENOTES CONC. BLOCK WALL HGT. @ 10'-0" A.F.F. |
  - REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
  - REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
  - ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M 1307.1 - M1307.2
  - ALL INTER. FIRST FLOOR CEILING AT 12'-0" UNLESS NOTED OTHERWISE.
  - ALL INTER. SECOND FLOOR CEILING AT 9'-0" UNLESS NOTED OTHERWISE.

**FLOOR PLAN W/ NOTES "A"**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



**NOTE:** ALL INTERIOR DOORS ON THIS FLOOR TO BE: 6'-8" UNO.

**LOT: 0000, WATERSONG**

**WATERFALL PARADISO GRANDE**

**6374**

DATE 04-09-21  
SCALE AS NOTED  
DRAWN RDC  
JOB 6374  
SHEET 03A.0 OF SHEETS

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THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

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**LOAD INFORMATION**  
PER 8TH EDITION, 2023 FLORIDA BUILDING RESIDENTIAL CODE

**DEAD LOADS**

FLOOR: STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
PARTITIONS	5 PSF
TOTAL	20 PSF

**ROOF: LIVE LOADS**

SHEATHING	5 PSF
STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
TOTAL	20 PSF

**FLOOR LIVE LOADS**

RESIDENTIAL FLOOR:	40 PSF
UNINHABITABLE ATTIC WITHOUT STORAGE:	10 PSF
UNINHABITABLE ATTIC W/LIMITED STORAGE:	20 PSF
ROOMS OTHER THAN SLEEPING ROOM:	40 PSF
SLEEPING ROOM:	30 PSF
STAIR LIVE LOAD:	40 PSF
BALCONIES:	40 PSF
PASSENGER VEHICLE GARAGE:	50 PSF

**MINIMUM ROOF LIVE LOAD (PSF) TRIBUTARY LOADED AREA (SQ. FT.) FOR ANY STRUCTURAL MEMBER**

ROOF SLOPE	0-200	201-600	OVER 600
0:12 < 4:12	20	16	12
≥ 4:12 < 12:12	16	14	12
≥ 12:12	12	12	12

**WIND INFORMATION**  
PER 8TH EDITION, 2023 FLORIDA BUILDING RESIDENTIAL CODE

- BASIC WIND SPEED: 140 MPH
- RISK CATEGORY: II
- WIND EXPOSURE: B
- BUILDING TYPE: V-B
- ENCLOSURE: +/-, INCLUDED CLASSIFICATION INTERNAL IN NOTE #6
- PRESSURE COEFFICIENT: SEE PLAN DESIGN WIND PRESSURE
- COMPONENT / CLADDING: SEE PLAN DESIGN WIND PRESSURE

**DESIGN WIND PRESSURE IAW FLA RESIDENTIAL CODE, SECTION R301**

+ XXX	DESIGN WIND PRESSURE IAW FLA
- XXX	RESIDENTIAL CODE, SECTION R301

NOTE: DESIGN PRESSURES BASED ON BASIC WIND SPEED AND NOT ULTIMATE WIND SPEED.

- GENERAL NOTES**
- PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
  - VENT DRYER THRU ROOF.
  - PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
  - DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
  - MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
  - |           |   |
|-----------|---|
| [Pattern] | DENOTES CONC. BLOCK WALL HGT. @ 12'-0" AFF. |
| [Pattern] | DENOTES CONC. BLOCK WALL HGT. @ 10'-0" AFF. |
  - REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
  - REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
  - ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M1307.1 - M1307.2
  - ALL INTER. FIRST FLOOR CEILINGS AT 12'-0" UNLESS NOTED OTHERWISE.
  - ALL INTER. SECOND FLOOR CEILINGS AT 9'-0" UNLESS NOTED OTHERWISE.

NOTE: 1. 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 20MIN. FIRE RATED IAW R302.5.1

**EERO- R310.2.1- FBCR2023**

SH25	NET CLEAR OPNG. HEIGHT 32' X NET CLEAR OPNG. WIDTH 21 1/2' = 6.119 SQFT	NET CLEAR OPENING OF NOT LESS THAN 5.7 SQFT MIN. NET CLEAR OPNG. HEIGHT DIMENSION SHALL BE 24'. THE MIN. NET CLEAR OPNG. WIDTH DIMENSION SHALL BE 20'. MIN. NET CLESR OPNG. FOR GRADE-FLOOR EMERGENCY ESCAPE AND RESCUE OPNG. SHALL BE- 5 SQFT
SH25	63" H. X 31" W. WDW SIZE	

NOTE:

- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE THE BOTTOM OF THE CLEAR OPENING NOT MORE THAN 44" MIN. AFF. - R310.2 - FBCR (2023)
- IN DWELLING UNITS, WHERE THE BOTTOM OF THE CLEAR OPENING OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24" ABOVE FINISH FLOOR AND GREATER THAN 12" FINISHED GRADE MUST COMPLY WITH FBCR 312.2

**PER FBC R301- TABLE R301.5**

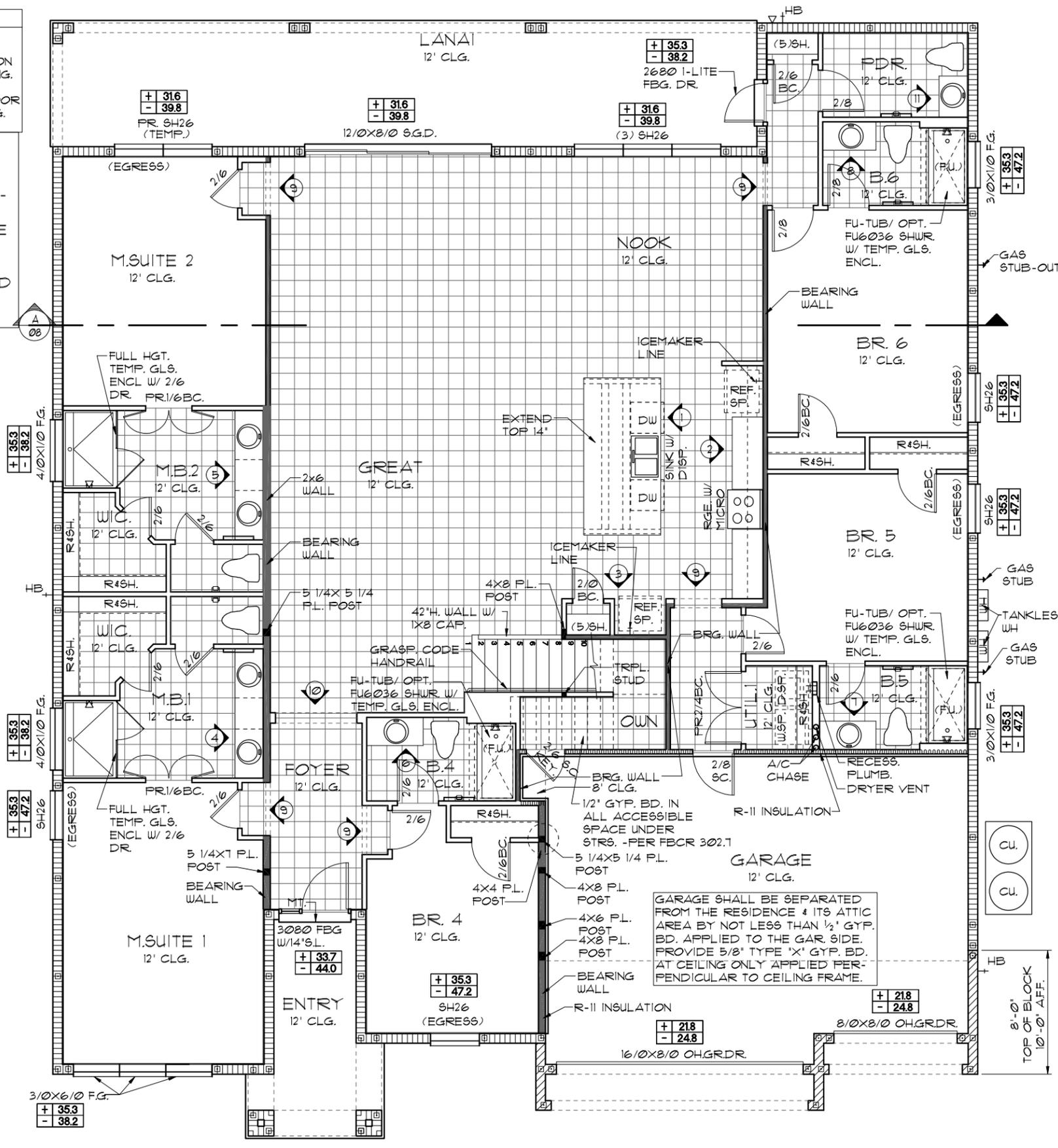
GUARDRAILS & HANDRAILS	CONC. LOAD	200 LBS
GUARDRAIL IN - FILL COMPONENTS	CONC. LOAD	50 LBS
STAIRS	CONC. LOAD	300 LBS

**PER FBC R312- R312.1.2 & R312.1.3 & R311.1.8.1**

GUARDRAILS HEIGHT	36" MIN.
HANDRAIL HEIGHT	34" MIN. TO 38" MAX.
GUARDRAIL OPENING LIMITATIONS	4" IN DIAMETER MAX.

NOTE: HANDRAIL CONTINUITY PER R311.1.8.2 - HANDRAILS FOR STAIRS SHALL BE CONTINUOUS FOR FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEEL POST OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NO LESS THAN 1 1/2" (38MM) BETWEEN THE WALL AND THE HANDRAIL.

NOTE: TEMPERED GLAZING IS REQUIRED AT ALL HAZARDOUS LOCATIONS AS DEFINED IN FBC R308.4



**FLOOR PLAN W/ NOTES "A"**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: 6'-8" UNO.

LOT: 0000, WATERSONG

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**WATERFALL PARADISO GRANDE**

**6374**

DATE: 04-09-21  
SCALE: AS NOTED  
DRAWN: RDC  
JOB: 6374  
SHEET: 03A.0 OF SHEETS

REVISIONS BY

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Orlando, Florida, 32811  
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**LOAD INFORMATION**  
PER 17TH EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

**DEAD LOADS**

FLOOR: STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
PARTITIONS	5 PSF
<b>TOTAL</b>	<b>20 PSF</b>

**ROOF: LIVE LOADS**

ROOF: SHEATHING	5 PSF
STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
<b>TOTAL</b>	<b>20 PSF</b>

**FLOOR LIVE LOADS**

RESIDENTIAL FLOOR:	40 PSF
UNINHABITABLE ATTIC WITHOUT STORAGE:	10 PSF
UNINHABITABLE ATTIC W/LIMITED STORAGE:	20 PSF
ROOMS OTHER THAN SLEEPING ROOM:	40 PSF
SLEEPING ROOM:	30 PSF
STAIR LIVE LOAD:	40 PSF
BALCONIES:	40 PSF
PASSANGER VEHICLE GARAGE:	50 PSF

**ROOF LIVE LOADS**

MINIMUM ROOF LIVE LOAD (PSF)	TRIBUTARY LOADED AREA (SQ. FT.)	FOR ANY STRUCTURAL MEMBER	
0-12 < 4:12	20	16	12
≥ 4:12 < 12:12	16	14	12
≥ 12:12	12	12	12

**NOTE: 1. 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 20MIN. FIRE RATED IAW R302.5**

**EGRESS WINDOW SCHEDULE - R310.2.1 - FBCR2020**

9H26	31 1/8" H. X 33 1/4" W.	MIN. NET CLEAR OPENING 7.19 SQFT
9H26	72" H. X 37 3/4" W. R.O.	

**NOTE:**

- ALL EMERGENCY ESCAPE WINDOW SILLS TO BE NOT MORE THAN 44" MIN. A.F.F. - R310.2 - FBCR (2020)
- WINDOWS SILLS LOCATED LESS THAN 24" ABOVE FINISH FLOOR AND GREATER THAN 72" FINISHED GRADE MUST COMPLY WITH FBCR 312.2

**PER FBC R301- TABLE R301.5**

GUARDRAILS & HANDRAILS	200 PSF
GUARDRAIL IN - FILL COMPONENTS	50 PSF
STAIRS	40 PSF

**NOTE: TEMPERED GLAZING IS REQUIRED AT ALL HAZARDOUS LOCATIONS AS DEFINED IN FBC R308.4**

**PER FBC R301- TABLE R301.5**

GUARDRAILS & HANDRAILS	200 PSF
GUARDRAIL IN - FILL COMPONENTS	50 PSF
PER FBC R312- R312.1.2 & R312.1.3 & R311.1.8.1	
GUARDRAILS HEIGHT	36" MIN.
HANDRAIL HEIGHT	34" MIN. TO 38" MAX.
GUARDRAIL OPENING LIMITATIONS	4" IN DIAMETER MAX.

**NOTE: HANDRAIL CONTINUITY PER R311.1.2.2 - HANDRAILS FOR STAIRS SHALL BE CONTINUOUS FOR FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEEL POST OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NO LESS THAN 1 1/2" (38MM) BETWEEN THE WALL AND THE HANDRAIL.**

**WIND INFORMATION**  
PER 17TH EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

- BASIC WIND SPEED: 140 MPH
- RISK CATEGORY: II
- WIND EXPOSURE: B
- BUILDING TYPE: V B
- ENCLOSURE: +/- 18, INCLUDED CLASSIFICATION INTERNAL IN NOTE #6
- PRESSURE COEFFICIENT: SEE PLAN DESIGN WIND PRESSURE
- COMPONENT / CLADDING: SEE PLAN DESIGN WIND PRESSURE

**+ XXX DESIGN WIND PRESSURE IAW FLA**  
**- XXX RESIDENTIAL CODE, SECTION R301**

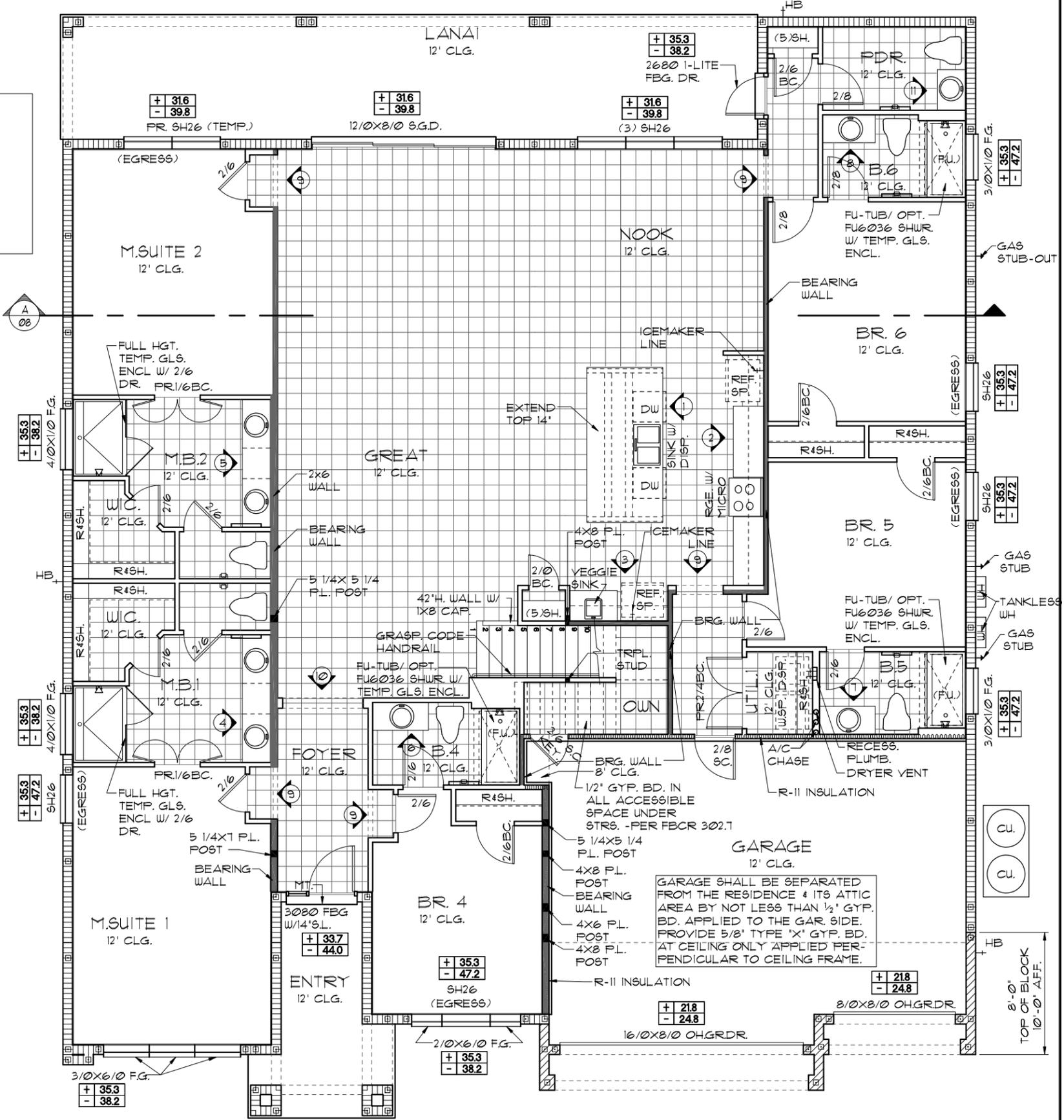
**NOTE: DESIGN PRESSURES BASED ON BASIC WIND SPEED AND NOT ULTIMATE WIND SPEED.**

- GENERAL NOTES**
- PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
  - VENT DRYER THRU ROOF.
  - PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
  - DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
  - MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
  - |  |   |
|--|---|
|  | DENOTES CONC. BLOCK WALL HGT. @ 12'-0" A.F.F. |
|  | DENOTES CONC. BLOCK WALL HGT. @ 10'-0" A.F.F. |
  - REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
  - REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
  - ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M 1307.1 - M1307.2
  - ALL INTER. FIRST FLOOR CEILING AT 12'-0" UNLESS NOTED OTHERWISE.
  - ALL INTER. SECOND FLOOR CEILING AT 9'-0" UNLESS NOTED OTHERWISE.

**PER FBC R301- TABLE R301.5**

GUARDRAILS & HANDRAILS	200 PSF
GUARDRAIL IN - FILL COMPONENTS	50 PSF
PER FBC R312- R312.1.2 & R312.1.3 & R311.1.8.1	
GUARDRAILS HEIGHT	36" MIN.
HANDRAIL HEIGHT	34" MIN. TO 38" MAX.
GUARDRAIL OPENING LIMITATIONS	4" IN DIAMETER MAX.

**FLOOR PLAN W/ NOTES "B"**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



**NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: 6'-8" UNO.**

**LOT: 0000, WATERSONG**

**WATERFALL PARADISO GRANDE**

**6374**

DATE: 04-09-21  
SCALE: AS NOTED  
DRAWN: RDC  
JOB: 6374  
SHEET: 03B.0 OF 03B.0 SHEETS

**NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: 6'-8" UNO.**

**REVISIONS**

NO.	DESCRIPTION	DATE

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

**Park Square HOMES**

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**LOAD INFORMATION**  
PER 8TH EDITION, 2023 FLORIDA BUILDING RESIDENTIAL CODE

**DEAD LOADS**

FLOOR: STRUCTURE	1 PSF
CEILINGS	3 PSF
MECH/ELEC	5 PSF
PARTITIONS	5 PSF
TOTAL	20 PSF

**ROOF: LIVE LOADS**

SHEATHING	5 PSF
STRUCTURE	1 PSF
CEILINGS	3 PSF
MECH/ELEC	5 PSF
TOTAL	20 PSF

**FLOOR LIVE LOADS**

RESIDENTIAL FLOOR:	40 PSF
UNINHABITABLE ATTIC WITHOUT STORAGE:	10 PSF
UNINHABITABLE ATTIC W/LIMITED STORAGE:	20 PSF
ROOMS OTHER THAN SLEEPING ROOM:	40 PSF
SLEEPING ROOM:	30 PSF
STAIR LIVE LOAD:	40 PSF
BALCONIES:	40 PSF
PASSANGER VEHICLE GARAGE:	50 PSF

**ROOF LIVE LOADS**

MINIMUM ROOF LIVE LOAD (PSF) TRIBUTARY LOADED AREA (SQ. FT.) FOR ANY STRUCTURAL MEMBER			
0-12 < 4:12	20	16	12
≥ 4:12 < 12:12	16	14	12
≥ 12:12	12	12	12

**WIND INFORMATION**  
PER 8TH EDITION, 2023 FLORIDA BUILDING RESIDENTIAL CODE

- BASIC WIND SPEED: 140 MPH
- RISK CATEGORY: II
- WIND EXPOSURE: B
- BUILDING TYPE: V B
- ENCLOSURE: +/- 10, INCLUDED CLASSIFICATION INTERNAL IN NOTE #6
- COMPONENT / CLADDING: SEE PLAN DESIGN WIND PRESSURE:

+ XXX DESIGN WIND PRESSURE IAW FLA
- XXX RESIDENTIAL CODE, SECTION R301

NOTE: DESIGN PRESSURES BASED ON BASIC WIND SPEED AND NOT ULTIMATE WIND SPEED.

- GENERAL NOTES**
- PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
  - VENT DRYER THRU ROOF.
  - PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
  - DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
  - MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
  - |  |   |
|--|---|
|  | DENOTES CONC. BLOCK WALL HGT. @ 12'-0" A.F.F. |
|  | DENOTES CONC. BLOCK WALL HGT. @ 10'-0" A.F.F. |
  - REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
  - REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
  - ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M 1307.1 - M 1307.2
  - ALL INTER. FIRST FLOOR CEILINGS AT 12'-0" UNLESS NOTED OTHERWISE.
  - ALL INTER. SECOND FLOOR CEILINGS AT 9'-0" UNLESS NOTED OTHERWISE.

NOTE: 1. 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 20MIN. FIRE RATED IAW R302.5.1

**EERO - R310.2.1 - FBCR2023**

SH25	NET CLEAR OPNG. HEIGHT 32' X NET CLEAR OPNG. WIDTH 21 1/2' = 6.119 SQFT	NET CLEAR OPENING OF NOT LESS THAN 5.7 SQFT MIN. NET CLEAR OPNG. HEIGHT DIMENSION SHALL BE 24". THE MIN. NET CLEAR OPNG. WIDTH DIMENSION SHALL BE 20". MIN. NET CLESR OPNG. FOR GRADE-FLOOR EMERGENCY ESCAPE AND RESCUE OPNG. SHALL BE: 5 SQFT
SH25	63" H. X 31" W. WDW SIZE	

- NOTE:
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE THE BOTTOM OF THE CLEAR OPENING NOT MORE THAN 44" MIN. AFF. - R310.2 - FBCR (2023)
  - IN DWELLING UNITS, WHERE THE BOTTOM OF THE CLEAR OPENING OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24" ABOVE FINISH FLOOR AND GREATER THAN 12" FINISHED GRADE MUST COMPLY WITH FBCR 312.2

PER FBC R301- TABLE R301.5

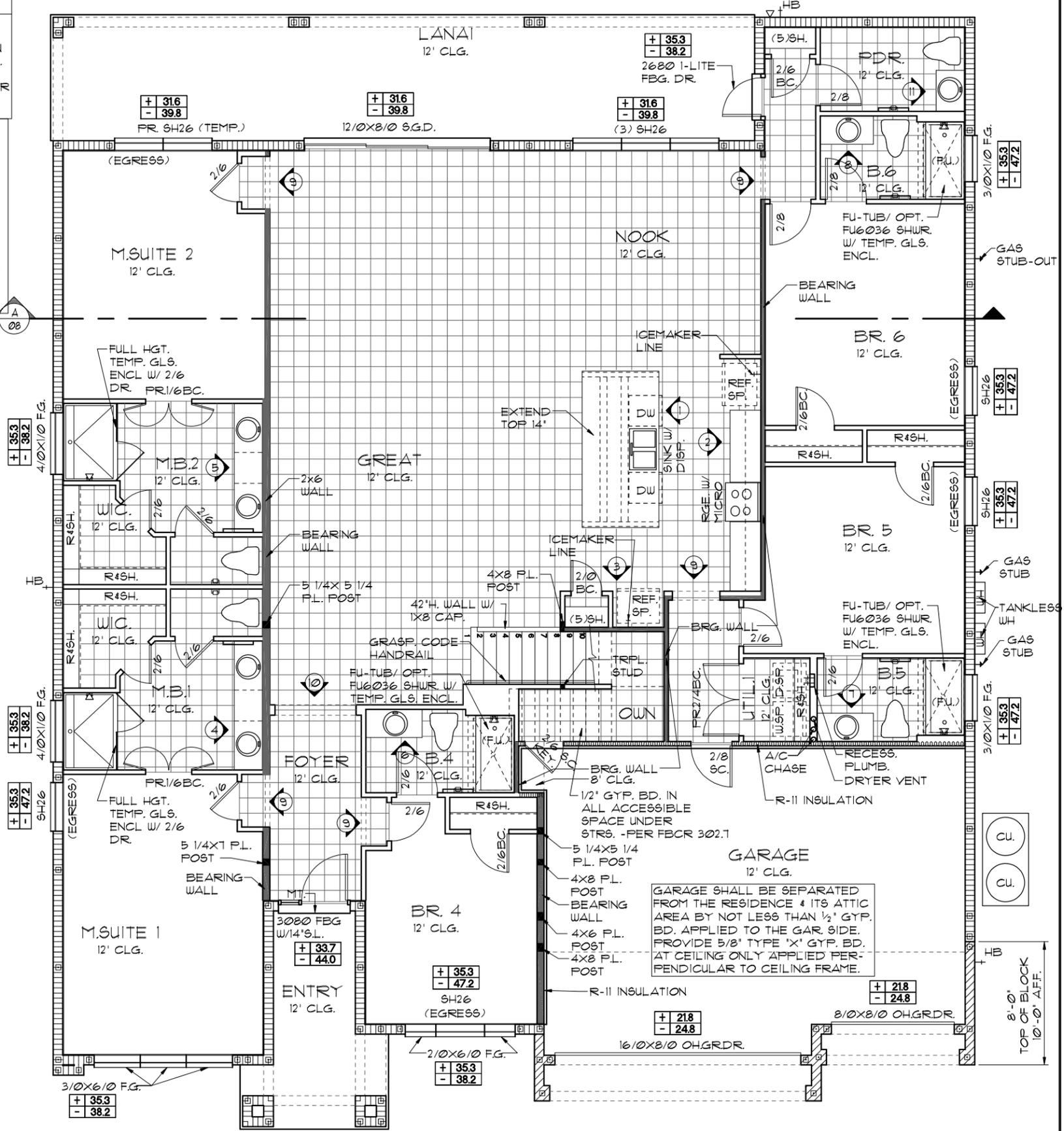
GUARDRAILS & HANDRAILS	CONC. LOAD	200 LBS
GUARDRAIL IN - FILL COMPONENTS	CONC. LOAD	50 LBS
STAIRS	CONC. LOAD	300 LBS

PER FBC R312- R312.1.2 & R312.1.3 & R311.10.1

GUARDRAILS HEIGHT	36" MIN.
HANDRAIL HEIGHT	34" MIN. TO 38" MAX.
GUARDRAIL OPENING LIMITATIONS	4" IN DIAMETER MAX.

NOTE: HANDRAIL CONTINUITY PER R311.10.2 - HANDRAILS FOR STAIRS SHALL BE CONTINUOUS FOR FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POST OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NO LESS THAN 1 1/2" (38MM) BETWEEN THE WALL AND THE HANDRAIL.

NOTE: TEMPERED GLAZING IS REQUIRED AT ALL HAZARDOUS LOCATIONS AS DEFINED IN FBC R308.4



**FLOOR PLAN W/ NOTES "B"**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: 6'-8" UNO.

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**LOT: 000, WATERSONG**

**WATERFALL PARADISO GRANDE**

**6374**

DATE 04-09-21  
SCALE AS NOTED  
DRAWN RDC  
JOB 6374  
SHEET 03B.0 OF SHEETS

REVISIONS BY

**ITEG**  
INDUSTRIAL ENGINEERING GROUP, INC.  
5200 Vineland Road, Suite 200  
Orlando, Florida, 32811  
Phone: (407) 529-3000

**Park Square HOMES**  
A DIVISION OF PARK SQUARE ENTERPRISES, INC.

**LOAD INFORMATION**  
PER 17TH EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

**DEAD LOADS**

FLOOR: STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
PARTITIONS	5 PSF
<b>TOTAL</b>	<b>20 PSF</b>

**ROOF: LIVE LOADS**

SHEATHING	5 PSF
STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
<b>TOTAL</b>	<b>20 PSF</b>

**FLOOR LIVE LOADS**

RESIDENTIAL FLOOR:	40 PSF
UNINHABITABLE ATTIC WITHOUT STORAGE:	10 PSF
UNINHABITABLE ATTIC W/LIMITED STORAGE:	20 PSF
ROOMS OTHER THAN SLEEPING ROOM:	40 PSF
SLEEPING ROOM:	30 PSF
STAIR LIVE LOAD:	40 PSF
BALCONIES:	40 PSF
PASSENGER VEHICLE GARAGE:	50 PSF

**ROOF LIVE LOADS**

MINIMUM ROOF LIVE LOAD (PSF) TRIBUTARY LOADED AREA (SQ. FT.) FOR ANY STRUCTURAL MEMBER	
0-200	20
201-600	16
OVER 600	12
≥ 4:12 < 12:12	16
≥ 12:12	12

**NOTE:** 1. 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 20MIN. FIRE RATED IAW R302.5

**EGRESS WINDOW SCHEDULE - R310.2.1 - FBCR2020**

SH26	31 1/8" H. X 33 1/4" W.	MIN. NET CLEAR OPENING 7.19 SQFT
SH26	72" H. X 37 3/4" W. R.O.	

**NOTE:**

- ALL EMERGENCY ESCAPE WINDOW SILLS TO BE NOT MORE THAN 44" MIN. A.F.F. - R310.2 - FBCR (2020)
- WINDOWS SILLS LOCATED LESS THAN 24" ABOVE FINISH FLOOR AND GREATER THAN 12" FINISHED GRADE MUST COMPLY WITH FBCR 312.2

**PER FBC R301- TABLE R301.5**

GUARDRAILS & HANDRAILS	200 PSF
GUARDRAIL IN - FILL COMPONENTS	50 PSF
STAIRS	40 PSF

**NOTE:** TEMPERED GLAZING IS REQUIRED AT ALL HAZARDOUS LOCATIONS AS DEFINED IN FBC R308.4

**PER FBC R301- TABLE R301.5**

GUARDRAILS & HANDRAILS	200 PSF
GUARDRAIL IN - FILL COMPONENTS	50 PSF
PER FBC R312- R312.1.2 & R312.1.3 & R311.1.8.1	
GUARDRAILS HEIGHT	36" MIN.
HANDRAIL HEIGHT	34" MIN. TO 38" MAX.
GUARDRAIL OPENING LIMITATIONS	4" IN DIAMETER MAX.

**NOTE:** HANDRAIL CONTINUITY PER R311.1.8.2 - HANDRAILS FOR STAIRS SHALL BE CONTINUOUS FOR FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEEL POST OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NO LESS THAN 1 1/2" (38MM) BETWEEN THE WALL AND THE HANDRAIL.

**WIND INFORMATION**  
PER 17TH EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

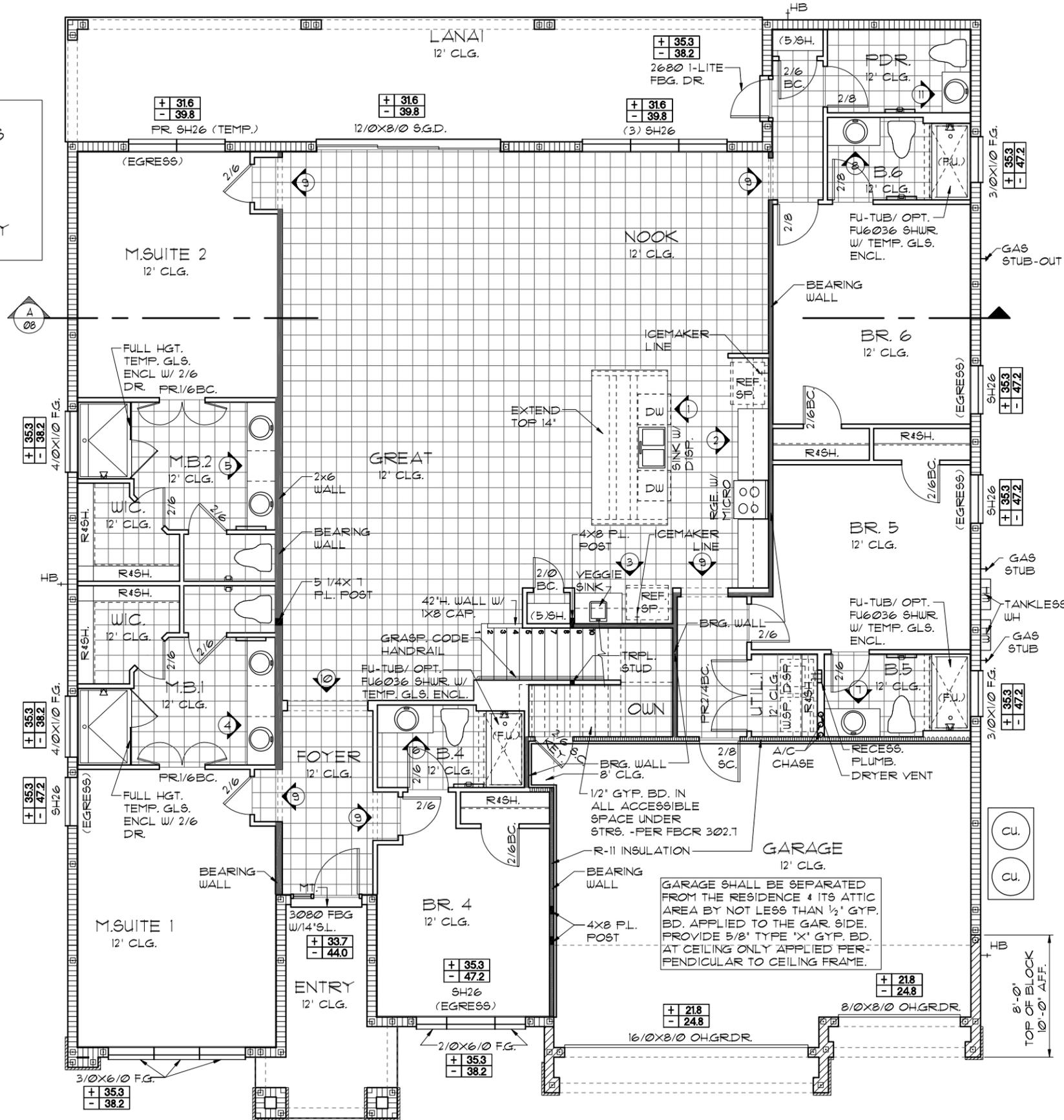
- BASIC WIND SPEED: 140 MPH
- RISK CATEGORY: II
- WIND EXPOSURE: B
- BUILDING TYPE: V B
- ENCLOSURE: +/- .18, INCLUDED CLASSIFICATION INTERNAL IN NOTE #6
- PRESSURE COEFFICIENT: SEE PLAN DESIGN WIND PRESSURE
- COMPONENT / CLADDING: SEE PLAN DESIGN WIND PRESSURE

**XXX** DESIGN WIND PRESSURE IAW FLA  
**- XXX** RESIDENTIAL CODE, SECTION R301

**NOTE:** DESIGN PRESSURES BASED ON BASIC WIND SPEED AND NOT ULTIMATE WIND SPEED.

- GENERAL NOTES**
- PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
  - VENT DRYER THRU ROOF.
  - PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
  - DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
  - MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
  - |  |   |
|--|---|
|  | DENOTES CONC. BLOCK WALL HGT. @ 12'-0" A.F.F. |
|  | DENOTES CONC. BLOCK WALL HGT. @ 10'-0" A.F.F. |
  - REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
  - REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
  - ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M 1307.1 - M1307.2
  - ALL INTER. FIRST FLOOR CEILINGS AT 12'-0" UNLESS NOTED OTHERWISE.
  - ALL INTER. SECOND FLOOR CEILINGS AT 9'-0" UNLESS NOTED OTHERWISE.

**FLOOR PLAN W/ NOTES "C"**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



**NOTE:** ALL INTERIOR DOORS ON THIS FLOOR TO BE: 6'-8" UNO.

**LOT: 0000, WATERSONG**

**WATERFALL PARADISO GRANDE**

**6374**

DATE: 04-09-21  
SCALE: AS NOTED  
DRAWN: RDC  
JOB: 6374  
SHEET: 03C.0 OF 03 SHEETS

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Phone: (407) 529-3000

**Park Square HOMES**

A DIVISION OF PARK SQUARE ENTERPRISES, INC.

**REVISIONS**

NO.	DESCRIPTION	DATE

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**LOAD INFORMATION**

PER 8TH EDITION, 2023 FLORIDA BUILDING RESIDENTIAL CODE

**DEAD LOADS**

FLOOR: STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
PARTITIONS	5 PSF
TOTAL	20 PSF
ROOF: SHEATHING	5 PSF
STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
TOTAL	20 PSF

**FLOOR LIVE LOADS**

RESIDENTIAL FLOOR:	40 PSF
UNINHABITABLE ATTIC WITHOUT STORAGE:	10 PSF
UNINHABITABLE ATTIC W/LIMITED STORAGE:	20 PSF
ROOMS OTHER THAN SLEEPING ROOM:	40 PSF
SLEEPING ROOM:	30 PSF
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BALCONIES:	40 PSF
PASSENGER VEHICLE GARAGE:	50 PSF

**MINIMUM ROOF LIVE LOAD (PSF) TRIBUTARY LOADED AREA (SQ. FT.) FOR ANY STRUCTURAL MEMBER**

ROOF SLOPE	0-200	201-600	OVER 600
0:12 < 4:12	20	16	12
≥ 4:12 < 12:12	16	14	12
≥ 12:12	12	12	12

**WIND INFORMATION**

PER 8TH EDITION, 2023 FLORIDA BUILDING RESIDENTIAL CODE

- BASIC WIND SPEED: 140 MPH
- RISK CATEGORY: II
- WIND EXPOSURE: B
- BUILDING TYPE: V B
- ENCLOSURE: +/- 18, INCLUDED CLASSIFICATION INTERNAL IN NOTE #6
- PRESSURE COEFFICIENT: SEE PLAN DESIGN WIND PRESSURE
- COMPONENT / CLADDING: SEE PLAN DESIGN WIND PRESSURE

XXX DESIGN WIND PRESSURE IAW FLA  
 XXX RESIDENTIAL CODE, SECTION R301  
 NOTE: DESIGN PRESSURES BASED ON BASIC WIND SPEED AND NOT ULTIMATE WIND SPEED.

**GENERAL NOTES**

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- |  |   |
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- REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
- REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
- ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M1307.1 - M1307.2
- ALL INTER. FIRST FLOOR CEILING AT 12'-0" UNLESS NOTED OTHERWISE.
- ALL INTER. SECOND FLOOR CEILING AT 9'-0" UNLESS NOTED OTHERWISE.

NOTE: 1. 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 20MIN. FIRE RATED IAW R302.5.1

**EERO - R310.2.1 - FBCR2023**

SH25	NET CLEAR OPNG. HEIGHT 32' X NET CLEAR OPNG. WIDTH 21 1/2' = 6.119 SQFT	NET CLEAR OPENING OF NOT LESS THAN 5.7 SQFT MIN. NET CLEAR OPNG. HEIGHT DIMENSION SHALL BE 24". THE MIN. NET CLEAR OPNG. WIDTH DIMENSION SHALL BE 20". MIN. NET CLESR OPNG. FOR GRADE-FLOOR EMERGENCY ESCAPE AND RESCUE OPNG. SHALL BE: 5 SQFT
SH25	63" H. X 31" W. WDW SIZE	

- NOTE:
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE THE BOTTOM OF THE CLEAR OPENING NOT MORE THAN 44" MIN. AFF. - R310.2 - FBCR (2023)
  - IN DWELLING UNITS, WHERE THE BOTTOM OF THE CLEAR OPENING OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24" ABOVE FINISH FLOOR AND GREATER THAN 12" FINISHED GRADE MUST COMPLY WITH FBCR 312.2

**PER FBC R301- TABLE R301.5**

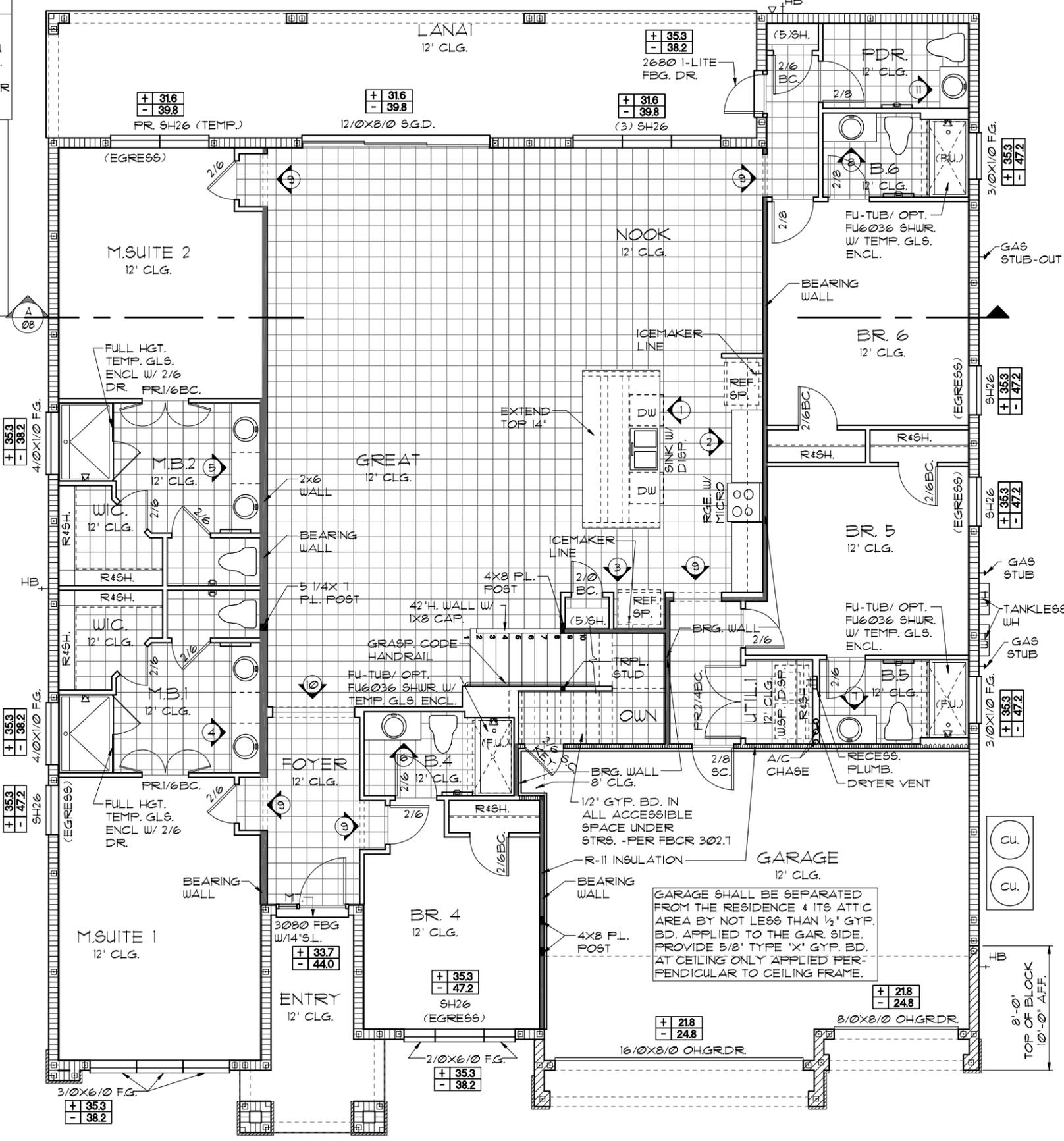
GUARDRAILS & HANDRAILS	CONC. LOAD	200 LBS
GUARDRAIL IN - FILL COMPONENTS	CONC. LOAD	50 LBS
STAIRS	CONC. LOAD	300 LBS

PER FBC R312- R312.1.2 & R312.1.3 & R311.1.8.1

GUARDRAILS HEIGHT	36" MIN.
HANDRAIL HEIGHT	34" MIN. TO 38" MAX.
GUARDRAIL OPENING LIMITATIONS	4" IN DIAMETER MAX.

NOTE: HANDRAIL CONTINUITY PER R311.1.2.2 - HANDRAILS FOR STAIRS SHALL BE CONTINUOUS FOR FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEEL POST OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NO LESS THAN 1 1/2" (38MM) BETWEEN THE WALL AND THE HANDRAIL.

NOTE: TEMPERED GLAZING IS REQUIRED AT ALL HAZARDOUS LOCATIONS AS DEFINED IN FBC R308.4



**FLOOR PLAN W/ NOTES "C"**

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

NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: 6'-8" UNO.

LOT: 000, WATERSONG

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**WATERFALL PARADISO GRANDE**

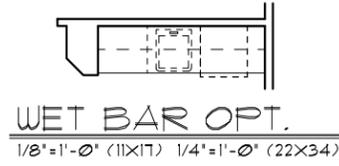
6374

DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 03C.0 OF 03C.0 SHEETS

REVISIONS BY

**ITEG**  
 INTERTECH ENGINEERING GROUP, INC.  
 5200 Vineland Road, Suite 200  
 Orlando, Florida, 32811  
 Phone: (407) 529-3000

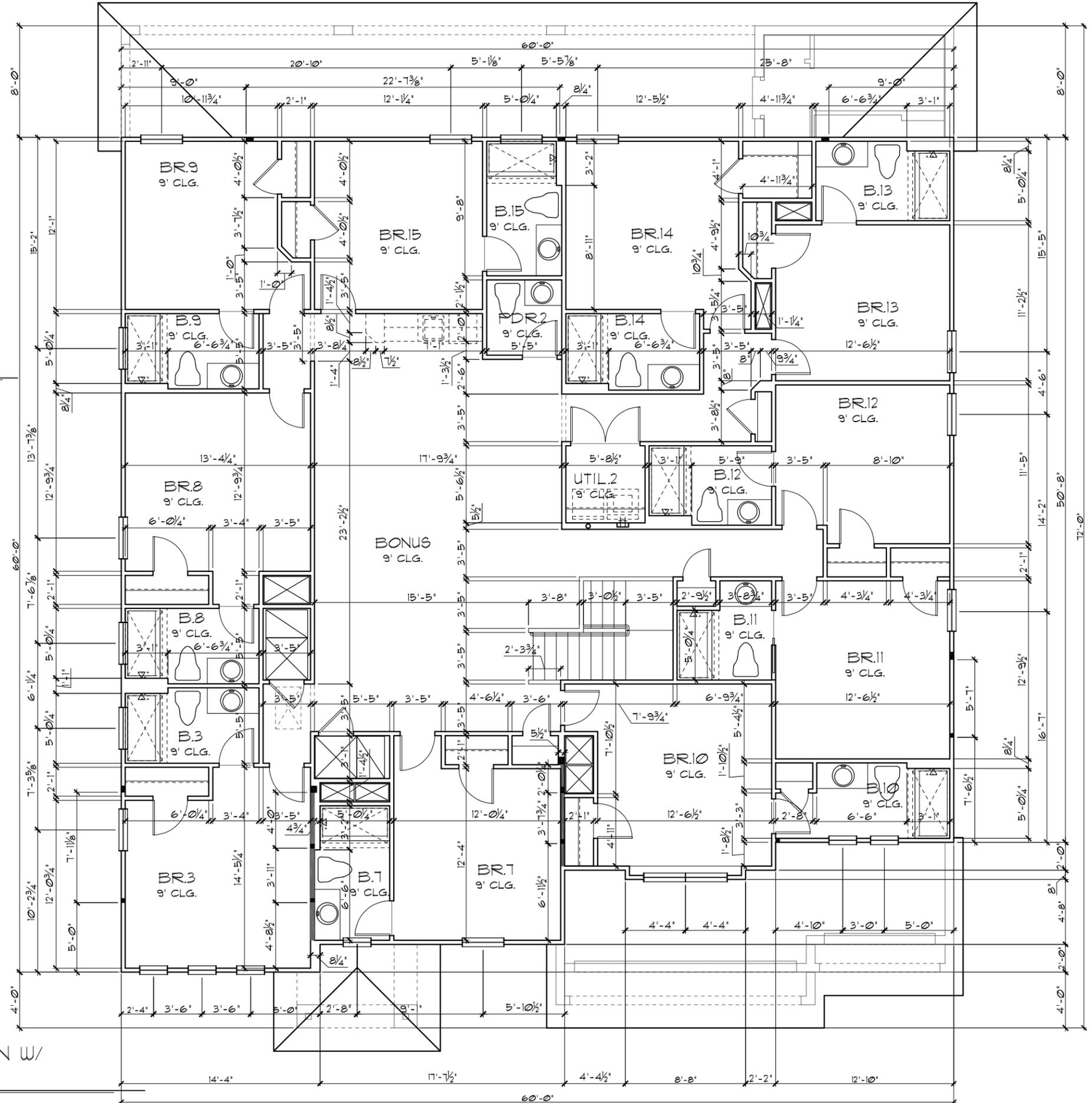
A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
 Park Square Homes  
 5200 Vineland Road, Suite 200  
 Orlando, Florida, 32811  
 Phone: (407) 529-3000



- GENERAL NOTES**
1. CONTRACTOR TO VERIFY ALL DIMENSIONS ON JOB SITE.
  2. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
  3. ALL INTERIOR FRAME WALL DIMENSIONS TO BE 3/2" UNLESS NOTED OTHERWISE.
  4. ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 1 1/2" UNLESS NOTED OTHERWISE.
  5. ALL INTERIOR CEILINGS AT 9'-0" UNLESS NOTED OTHERWISE.
  6. MECHANICAL EQUIPMENT LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.

UPPER FLOOR PLAN W/  
DIMENSIONS "A"

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



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LOT: 0000, WATERSONG

WATERFALL  
PARADISO GRANDE

6374

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 6374

SHEET

04A.0

OF SHEETS

UPPER FLOOR PLAN W/  
DIMENSIONS

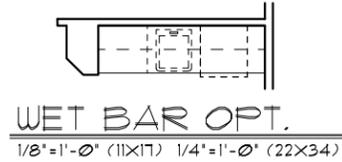
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www.iteg.com

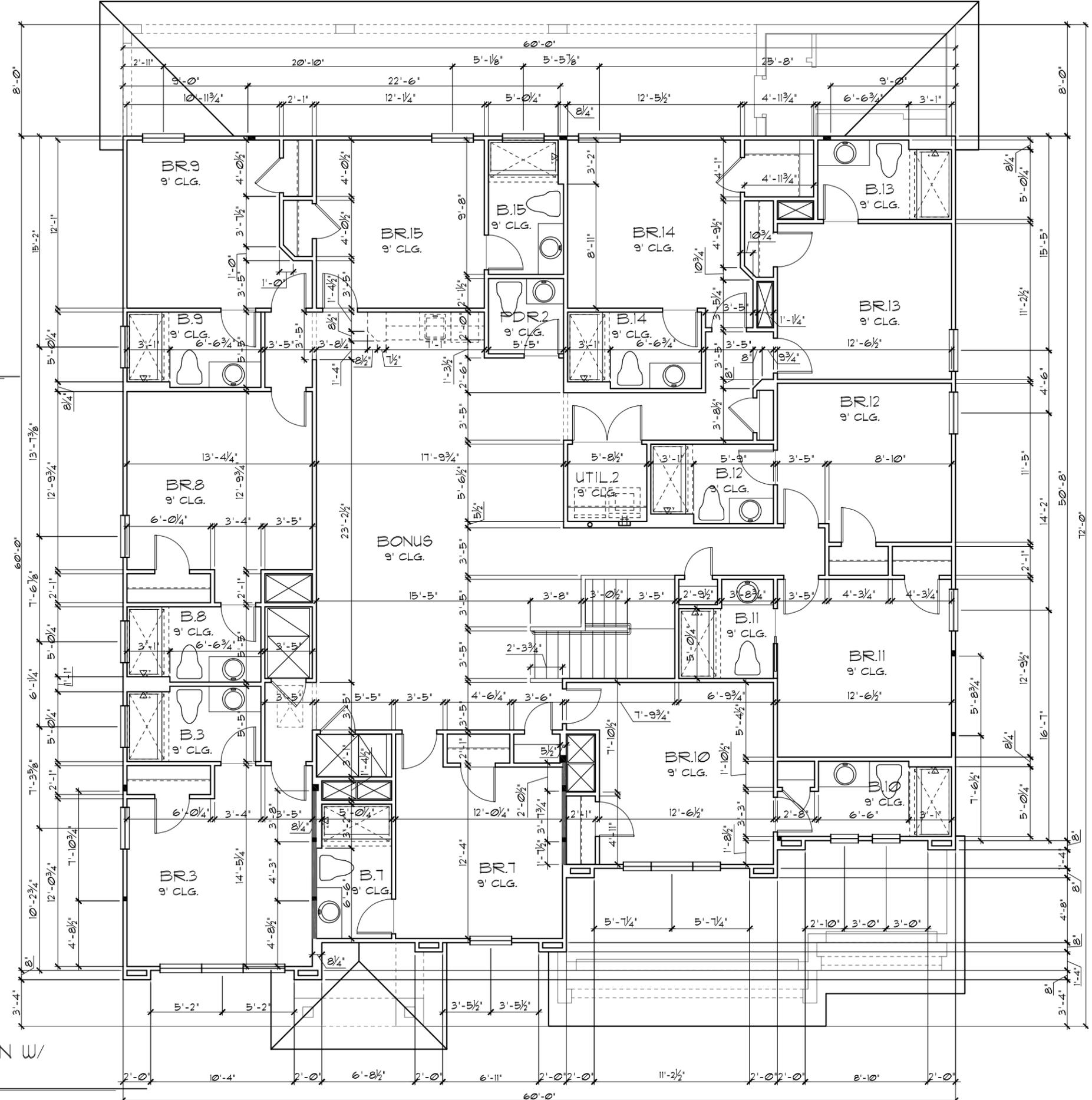
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  4. ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 1/2" UNLESS NOTED OTHERWISE.
  5. ALL INTERIOR CEILINGS AT 9'-0" UNLESS NOTED OTHERWISE.
  6. MECHANICAL EQUIPMENT LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.



**UPPER FLOOR PLAN W/  
DIMENSIONS "B"**

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



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**LOT: 0000, WATERSONG**

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	04B.0
OF SHEETS	04

**WATERFALL**

**PARADISO GRANDE**

**UPPER FLOOR PLAN W/  
DIMENSIONS**

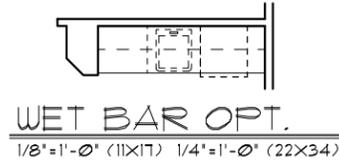
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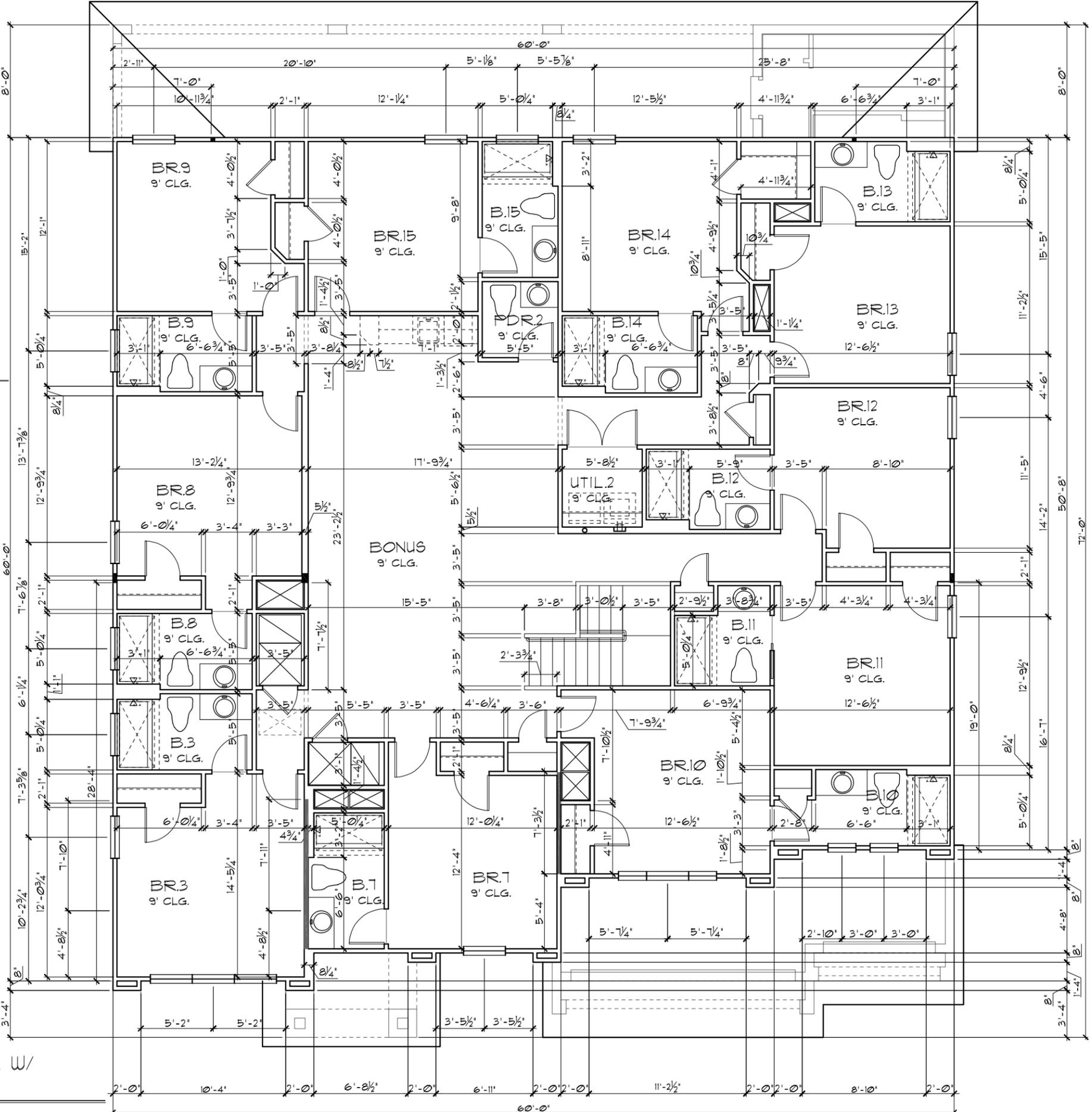
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  4. ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 1 1/2" UNLESS NOTED OTHERWISE.
  5. ALL INTERIOR CEILINGS AT 9'-0" UNLESS NOTED OTHERWISE.
  6. MECHANICAL EQUIPMENT LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.

UPPER FLOOR PLAN W/  
DIMENSIONS "C"

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



THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	04C.0
OF SHEETS	9

WATERFALL  
PARADISO GRANDE

UPPER FLOOR PLAN W/  
DIMENSIONS

Park Square  
HOMES

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www.iteg.com

REVISIONS	BY

**LOAD INFORMATION**  
PER 8TH EDITION, 2023 FLORIDA BUILDING RESIDENTIAL CODE

**DEAD LOADS**

FLOOR: STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
PARTITIONS	5 PSF
<b>TOTAL</b>	<b>20 PSF</b>

**ROOF: LIVE LOADS**

SHEATHING	5 PSF
STRUCTURE	1 PSF
CEILING	3 PSF
MECH/ELEC	5 PSF
<b>TOTAL</b>	<b>20 PSF</b>

**FLOOR LIVE LOADS**

RESIDENTIAL FLOOR:	40 PSF
UNINHABITABLE ATTIC WITHOUT STORAGE:	10 PSF
UNINHABITABLE ATTIC W/LIMITED STORAGE:	20 PSF
ROOMS OTHER THAN SLEEPING ROOM:	40 PSF
SLEEPING ROOM:	30 PSF
STAIR LIVE LOAD:	40 PSF
BALCONIES:	40 PSF
PASSENGER VEHICLE GARAGE:	50 PSF

MINIMUM ROOF LIVE LOAD (PSF)  
TRIBUTARY LOADED AREA (SQ. FT.)  
FOR ANY STRUCTURAL MEMBER

ROOF SLOPE	0-200	201-600	OVER 600
0:12 < 4:12	20	16	12
≥ 4:12 < 12:12	16	14	12
≥ 12:12	12	12	12

**WIND INFORMATION**  
PER 8TH EDITION, 2023 FLORIDA BUILDING RESIDENTIAL CODE

- BASIC WIND SPEED: 140 MPH
- RISK CATEGORY: II
- WIND EXPOSURE: B
- BUILDING TYPE: V B
- ENCLOSURE CLASSIFICATION: +/-, INCLUDED INTERNAL PRESSURE IN NOTE #6 COEFFICIENT:
- COMPONENT / CLADDING: SEE PLAN DESIGN WIND PRESSURE:

DESIGN WIND PRESSURE IAW FLA  
RESIDENTIAL CODE, SECTION R301  
NOTE: DESIGN PRESSURES BASED ON BASIC WIND SPEED AND NOT ULTIMATE WIND SPEED.

**GENERAL NOTES**

- PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
- VENT DRYER THRU ROOF.
- PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
- DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
- MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
- |          |   |
|----------|---|
| [Symbol] | DENOTES CONC. BLOCK WALL HGT. @ 12'-0" AFF. |
| [Symbol] | DENOTES CONC. BLOCK WALL HGT. @ 10'-0" AFF. |
- REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
- REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
- ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M1307.1 - M1307.2
- ALL INTER. FIRST FLOOR CEILING AT 12'-0" UNLESS NOTED OTHERWISE.  
ALL INTER. SECOND FLOOR CEILING AT 9'-0" UNLESS NOTED OTHERWISE.

NOTE: 1. 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 20MIN. FIRE RATED IAW R302.5.1

**EERO - R310.2.1 - FBCR2023**

SH25	NET CLEAR OPNG. HEIGHT 32' X NET CLEAR OPNG. WIDTH 21 1/2' = 6.119 SQFT	NET CLEAR OPENING OF NOT LESS THAN 5.1 SQFT MIN. NET CLEAR OPNG. HEIGHT DIMENSION SHALL BE 24". THE MIN. NET CLEAR OPNG. WIDTH DIMENSION SHALL BE 20".
SH25	63" H. X 31" W. WDW SIZE	MIN. NET CLEAR OPNG. FOR GRADE-FLOOR EMERGENCY ESCAPE AND RESCUE OPNG. SHALL BE 5.7 SQFT

- NOTE:
- ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE THE BOTTOM OF THE CLEAR OPENING NOT MORE THAN 44" MIN. AFF. - R310.2 - FBCR (2023)
  - IN DWELLING UNITS, WHERE THE BOTTOM OF THE CLEAR OPENING OF AN OPERABLE WINDOW OPENING IS LOCATED LESS THAN 24" ABOVE FINISH FLOOR AND GREATER THAN 72" FINISHED GRADE MUST COMPLY WITH FBCR 312.2



**PER FBC R301- TABLE R301.5**

GUARDRAILS & HANDRAILS	CONC. LOAD	200 LBS
GUARDRAIL IN - FILL COMPONENTS	CONC. LOAD	50 LBS
STAIRS	CONC. LOAD	300 LBS

**PER FBC R312- R312.12 & R312.13 & R311.1.1**

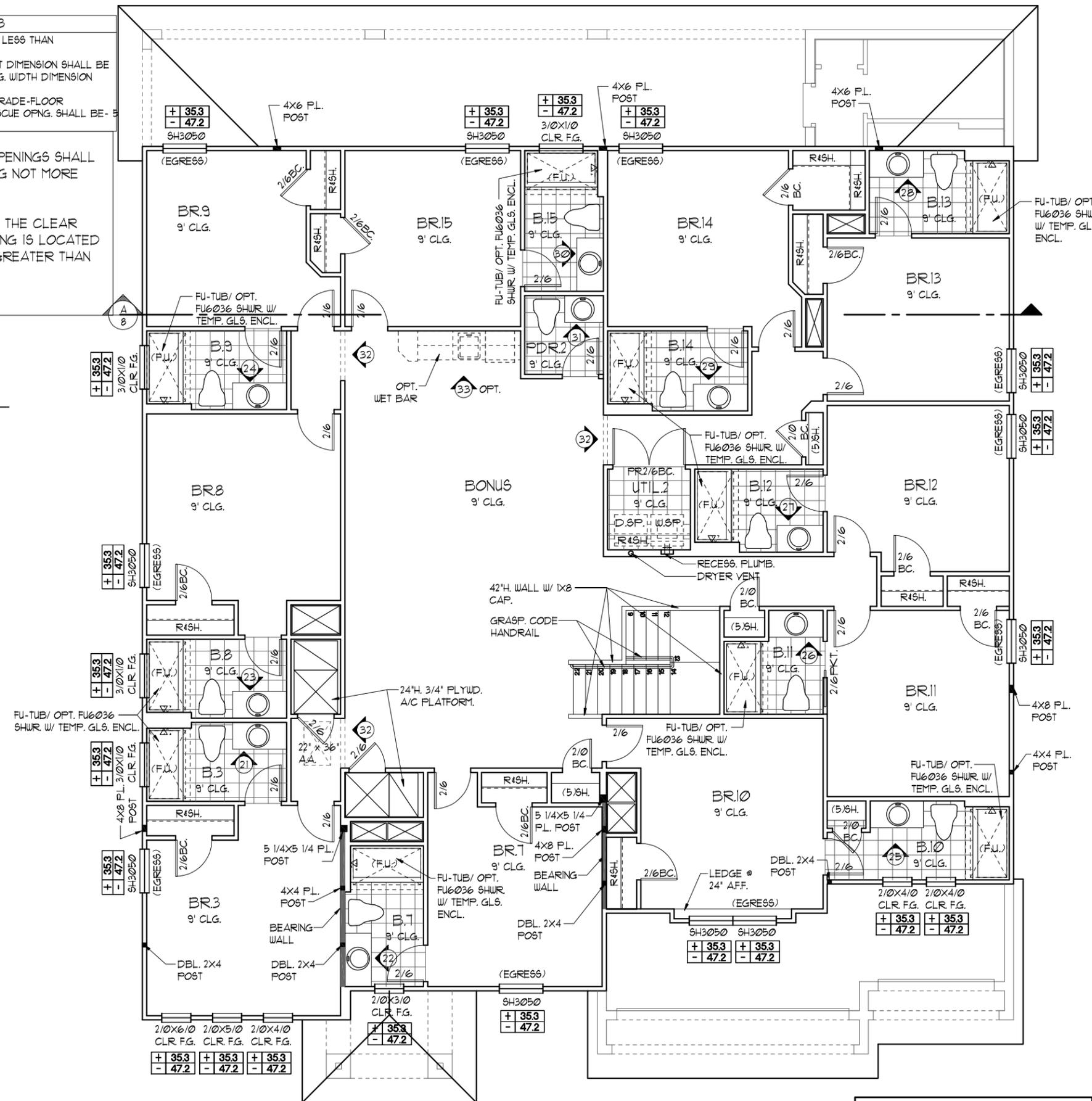
GUARDRAILS HEIGHT	36" MIN.
HANDRAIL HEIGHT	34" MIN. TO 38" MAX.
GUARDRAIL OPENING LIMITATIONS	4" IN DIAMETER MAX.

NOTE: HANDRAIL CONTINUITY PER R311.1.2.2 - HANDRAILS FOR STAIRS SHALL BE CONTINUOUS FOR FULL LENGTH OF THE FLIGHT, FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEEL POST OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NO LESS THAN 1/2" (38" MIN) BETWEEN THE WALL AND THE HANDRAIL.

NOTE: TEMPERED GLAZING IS REQUIRED AT ALL HAZARDOUS LOCATIONS AS DEFINED IN FBC R308.4

**UPPER FLOOR PLAN NOTES "A"**

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



NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: 6'-8" UNO. - VERIFY WITH COLOR SHEET.

LOT: 0000, WATERSONG

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**WATERFALL PARADISO GRANDE**

**6374**

DATE 04-09-21  
SCALE AS NOTED  
DRAWN RDC  
JOB 6374  
SHEET 05A.0 OF SHEETS

REVISIONS BY

**ITEG**  
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**Park Square HOMES**

**FLOOR PLAN W/ NOTES**





**EXTERIOR FINISH NOTES**

1. LATH TO BE ATTACHED IAW R103.1.1 OF THE 8TH EDITION, FBCR 2023
2. PLASTERING TO BE WITH PORTLAND CEMENT, INSTALLED IAW R103.1.2 OF THE 8TH EDITION, FBCR 2023
3. WEEP SCREED TO BE INSTALLED IAW R103.1.2.1 OF THE 8TH EDITION, FBCR 2023
4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.1.3 OF THE 8TH EDITION, FBCR 2023
5. 'ZIP SYSTEMS' WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER, ON EXTERIOR WALLS.



**FRONT ELEVATION "A"**

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



**REAR ELEVATION**

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

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LOT: 0000, WATERSONG

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<b>Park Square HOMES</b>	
EXTERIOR ELEVATION "A" FRONT AND REAR	
WATERFALL PARADISO GRANDE	
6374	
DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	06A.0
OF	SHEETS



**FRONT ELEVATION "B"**

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



**REAR ELEVATION**

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

- EXTERIOR FINISH NOTES**
- LATH TO BE ATTACHED IAW R103.1.1 OF THE 8TH EDITION, FBCR 2023
  - PLASTERING TO BE WITH PORTLAND CEMENT, INSTALLED IAW R103.1.2 OF THE 8TH EDITION, FBCR 2023
  - WEEP SCREED TO BE INSTALLED IAW R103.1.2.1 OF THE 8TH EDITION, FBCR 2023
  - WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.1.3 OF THE 8TH EDITION, FBCR 2023
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LOT: 0000, WATERSONG

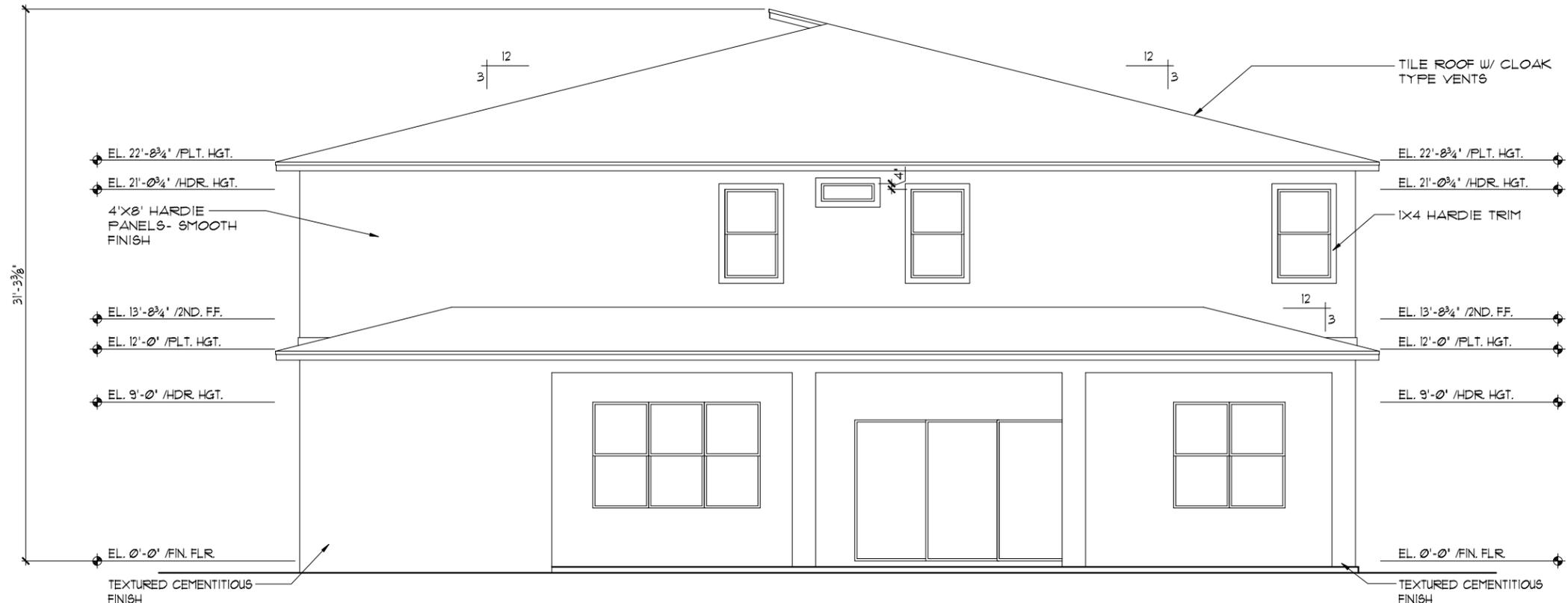
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A DIVISION OF PARK SQUARE <b>Park Square</b> <b>Square</b> <b>HOMES</b>	
<b>EXTERIOR ELEVATION "B"</b> <b>FRONT AND REAR</b>	
<b>WATERFALL</b> <b>PARADISO GRANDE</b>	
<span style="font-size: 2em;">6374</span>	
DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	06B.0
OF	SHEETS



**FRONT ELEVATION "C"**

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



**REAR ELEVATION**

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

- EXTERIOR FINISH NOTES**
1. LATH TO BE ATTACHED IAW R103.11 OF THE 8TH EDITION, FBCR 2023
  2. PLASTERING TO BE WITH PORTLAND CEMENT, INSTALLED IAW R103.12 OF THE 8TH EDITION, FBCR 2023
  3. WEEP SCREED TO BE INSTALLED IAW R103.12.1 OF THE 8TH EDITION, FBCR 2023
  4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R103.13 OF THE 8TH EDITION, FBCR 2023
  5. 'ZIP SYSTEMS' WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER, ON EXTERIOR WALLS.

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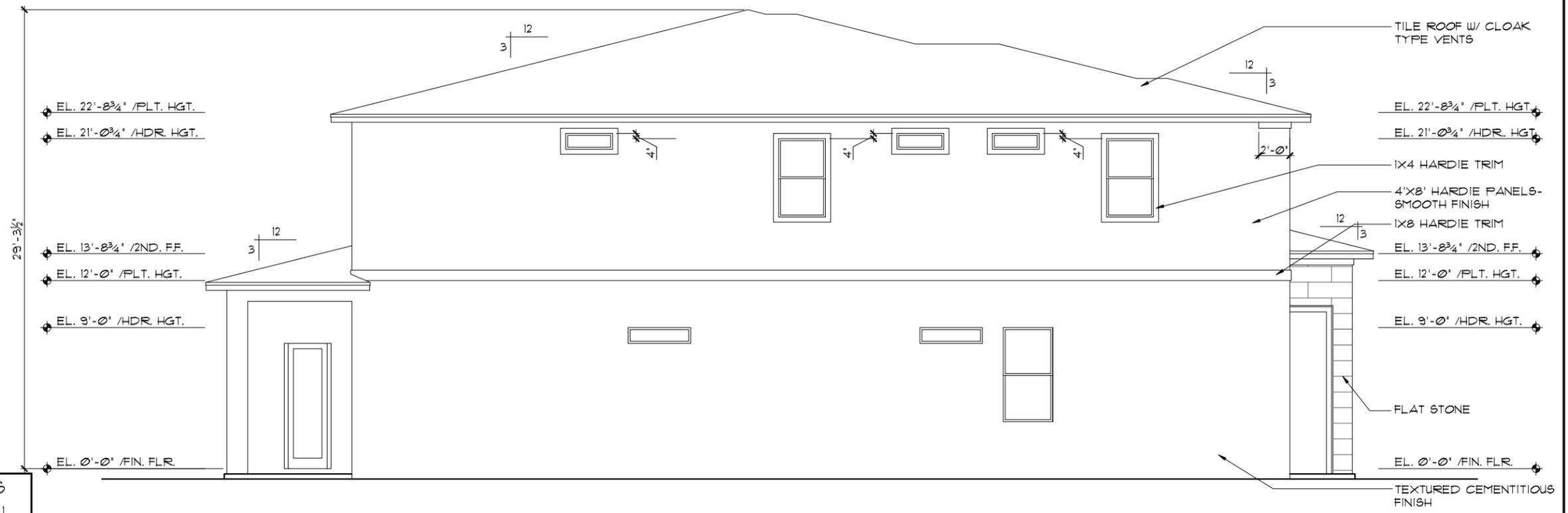
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EXTERIOR ELEVATION "C"  
 FRONT AND REAR

WATERFALL  
 PARADISO GRANDE

6374  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET  
**06C.0**  
 OF 9 SHEETS



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

- EXTERIOR FINISH NOTES**
- LATH TO BE ATTACHED IAW R703.1.1 OF THE 8TH EDITION, FBCR. 2023
  - PLASTERING TO BE WITH PORTLAND CEMENT, INSTALLED IAW R703.1.2 OF THE 8TH EDITION, FBCR. 2023
  - WEEP SCREED TO BE INSTALLED IAW R703.1.2.1 OF THE 8TH EDITION, FBCR. 2023
  - WATER RESISTANT BARRIER TO BE INSTALLED IAW R703.1.3 OF THE 8TH EDITION, FBCR. 2023
  - "ZIP SYSTEMS" WALL SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER, ON EXTERIOR WALLS.



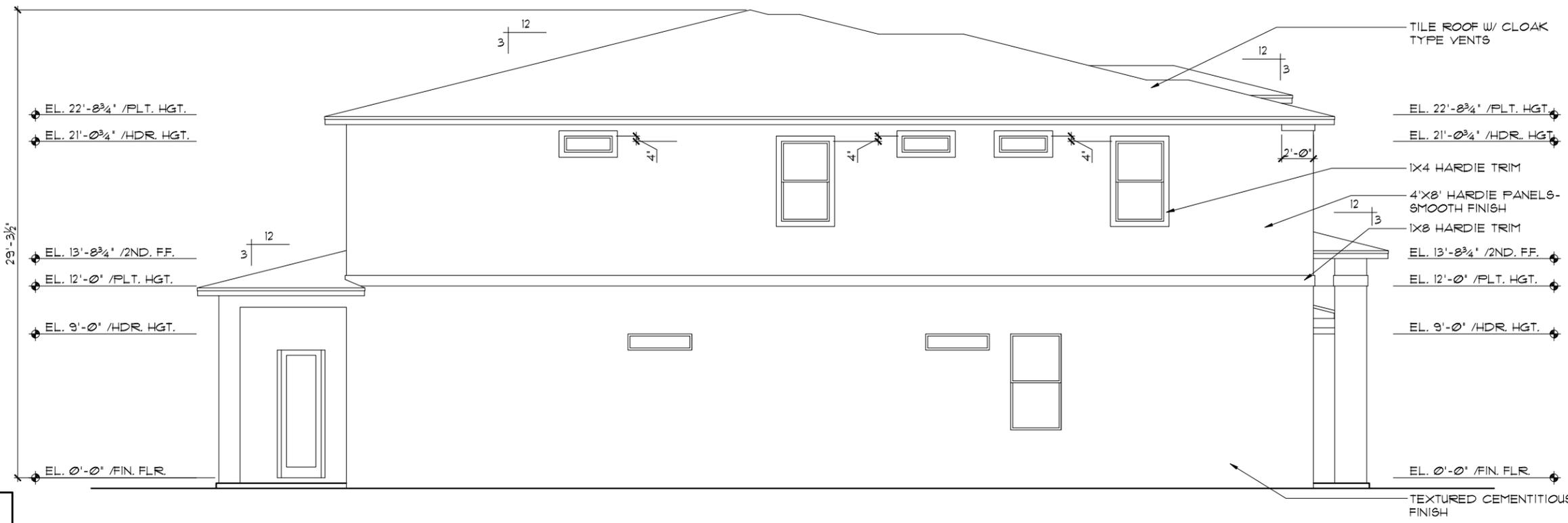
**RIGHT ELEVATION "A"**  
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> <b>WATERFALL</b>  <b>PARADISO GRANDE</b> </p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> <b>EXTERIOR ELEVATIONS "A"</b>  <b>LEFT AND RIGHT</b> </p>				
<p style="writing-mode: vertical-rl; transform: rotate(180deg);"> <b>Park Square HOMES</b>  <small>A DIVISION OF PARK SQUARE ENTERPRISES, INC.        5200 Vineland Road, Suite 200        Orlando, Florida, 32811        Phone: (407) 529 - 3000</small> </p>	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	BY		
REVISIONS	BY				
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">6374</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">DATE 04-09-21</p>				
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">07A.0</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SCALE AS NOTED</p>				
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">OF SHEETS</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">DRAWN RDC</p>				
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">JOB 6374</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SHEET</p>				



**LEFT ELEVATION "B"**

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

**EXTERIOR FINISH NOTES**

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**RIGHT ELEVATION "B"**

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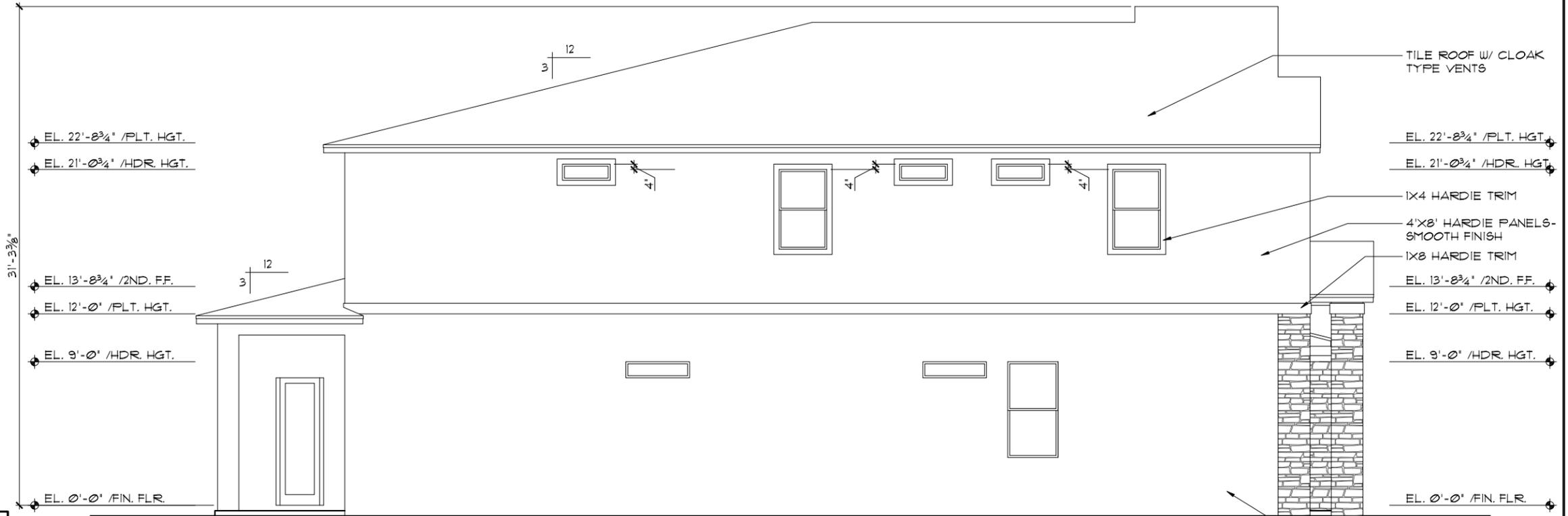
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<p style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">EXTERIOR ELEVATIONS "B" LEFT AND RIGHT</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">WATERFALL PARADISO GRANDE</p>				
<p style="font-size: 24px; font-weight: bold;">6374</p>	<p style="font-size: 24px; font-weight: bold;">07B.0</p>				
<p>DATE 04-09-21</p> <p>SCALE AS NOTED</p> <p>DRAWN RDC</p> <p>JOB 6374</p> <p>SHEET</p> <p>OF SHEETS</p>	<p>DATE 04-09-21</p> <p>SCALE AS NOTED</p> <p>DRAWN RDC</p> <p>JOB 6374</p> <p>SHEET</p> <p>OF SHEETS</p>				

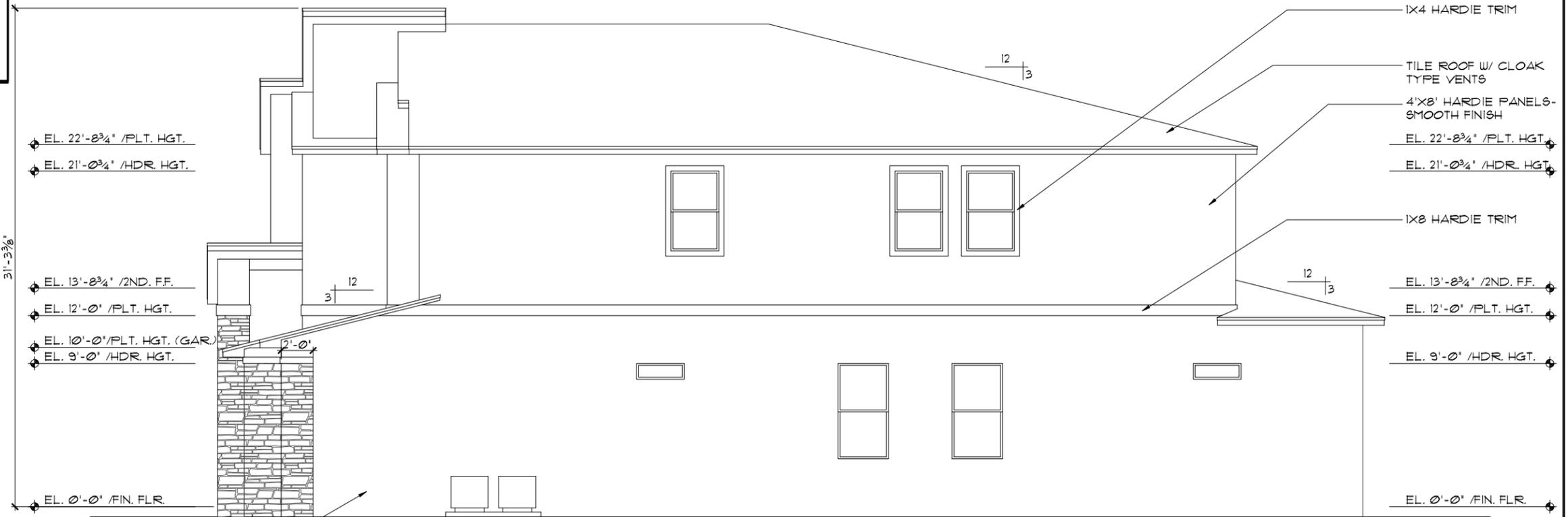
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**LEFT ELEVATION "C"**

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



**RIGHT ELEVATION "C"**

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

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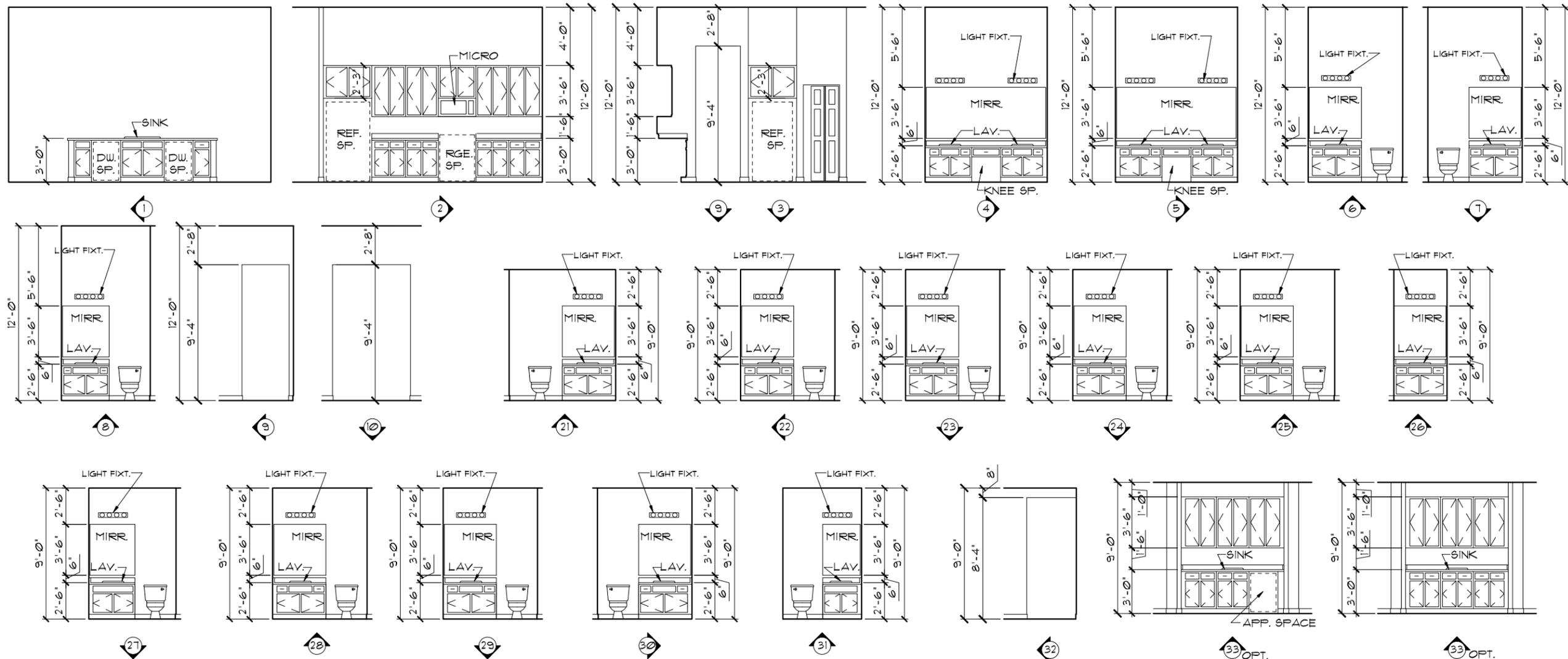
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**EXTERIOR ELEVATIONS "C" LEFT AND RIGHT**

**WATERFALL PARADISO GRANDE**

<b>6374</b>
DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 6374
SHEET
<b>07C.0</b>
OF SHEETS

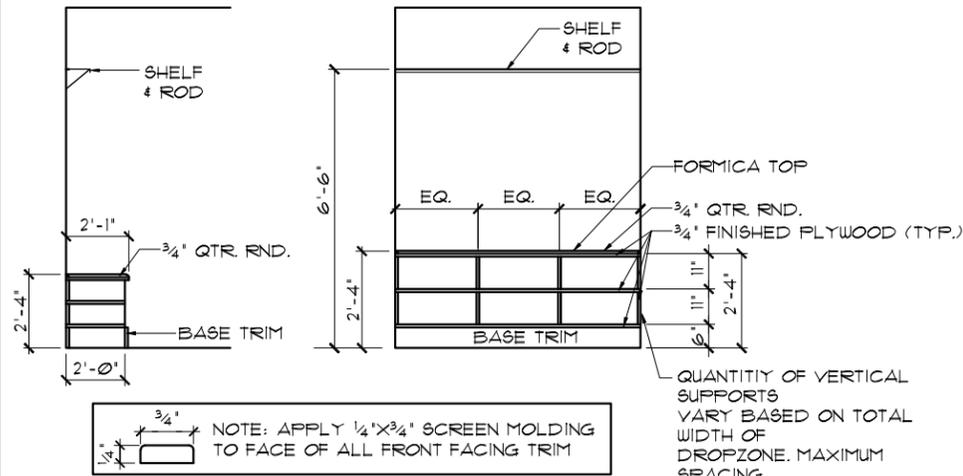




**INTERIOR ELEVATIONS**

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

INSULATION INFORMATION- FBC- ENERGY R402, TABLE R402.12	
WALL TYPES	INSULATION
1. CONCRETE BLOCK - INT INSULATION, EXTERIOR	R= 4.0
2. FRAME- WOOD EXTERIOR	R= 13.0
3. FRAME -WOOD, ADJACENT	R= 13.0
CEILING TYPES	
1. UNDER ATTIC (VENTED)	R= 30.0



**LUGGAGE SHELF DETAIL**

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



**CROSS SECTION**

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

- TILE ROOF W/ CLOAK TYP. VENTS
- PRE-ENG. WD. TRUSSES SYSTEM @ 24" O.C.
- INSULATION PER 2023 FBC- ENERGY CONSERVATION - 8TH EDITION
- EL. 22'-0 3/4" /PLT. HGT.
- EL. 21'-0 3/4" /HDR. HGT.
- EL. 13'-0 3/4" /2ND. FF.
- EL. 12'-0" /PLT. HGT.
- EL. 9'-0" /HDR. HGT.
- EL. 0'-0" /FIN. FLR.

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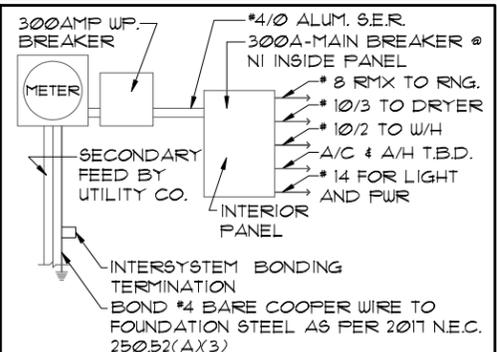
**WATERFALL**  
**PARADISO GRANDE**  
 CROSS SECTION / INTERIOR ELEVATIONS  
 6374  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 08 OF 08 SHEETS

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REVISIONS	BY

**MECHANICAL/GENERAL NOTES**

- PER 11TH ED. 2020 FLA BLD. CODE-RESIDENTIAL
- 1.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1
  - 2.) APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.
    - A) CHAPTER 13 OF THE FBC-R 2020 11TH SECTION M1305.1
  - 3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M1602 OF THE FBCR CODE 2020 11TH EDITION.
  - 4.) IAW NEC 2017- 210.12- ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION- KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.
  - 5.) IAW NEC 2017- 406.12, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.
  - 6.) ALL OUTLETS IN BATHROOMS AND LAUNDRY ROOM SHALL BE GFCI
  - 7.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS. SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBCR R314.3 & R314.4. MODEL\* TO BE USED ON THIS JOB TO BE:
    - BRK: SMOKE-9120B, C/O- SC9120B
    - KIDDE: SMOKE-21007581, C/O 21006377-N
  - 8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2020, 11TH ED. P2801.1
  - 9.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2020, 11TH ED.
  - 10.) THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M1502.4.5.1 THROUGH M1502.4.5.3
  - 11.) ALL ELECTRICAL WORK TO BE DONE PER NFPA70-NEC 2017
    - A) ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A2)
    - B) ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH NFPA70-NEC2017 - ARTICLE 210-52



**ELECTRICAL RISER DIAGRAM**

NOTE: N.T.S.  
ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)1 TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

250.52(A)3 Concrete-Encased Electrode. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long.

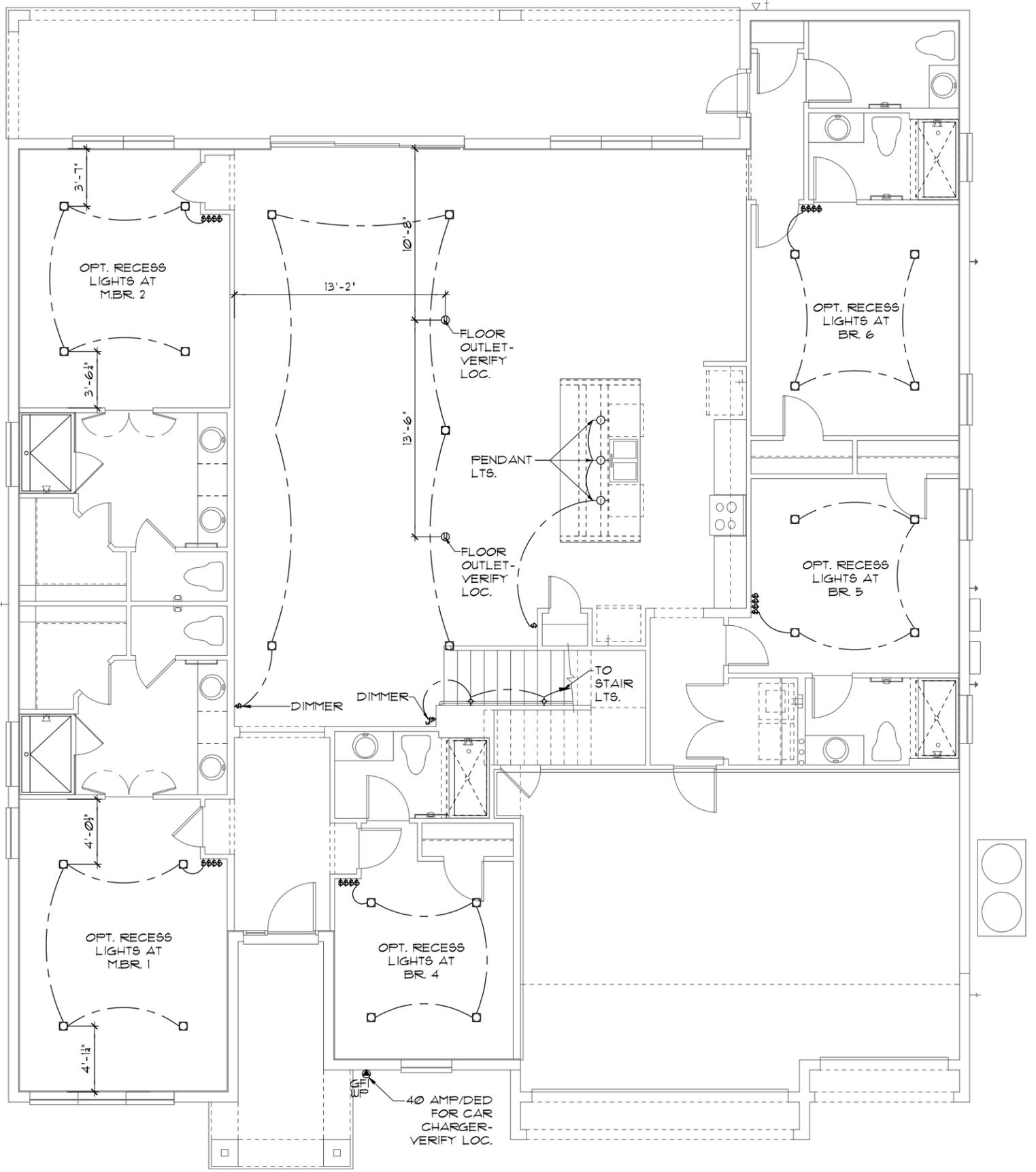
Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long.

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.

NOTE: IF MORE THAN 12 SMOKE ALARMS OR CARBON MONOXIDE ALARM COMBINATION ARE INSTALLED IN THE HOME CRIME PREVENTION WILL PULL A SEPARATE FIRE PERMIT AND THE SYSTEM WILL BE MONITORED



**ELECTRICAL LEGEND**

⊕	SINGLE POLE SWITCH	◀	OUTLET, TV/CABLE
⊕	THREE WAY SWITCH	◀	OUTLET, PHONE
□	OUTLET 110-115	◻	INTERCOM
□	OUT. 110-115, SPLIT WIRED	⊞	CHIMES
□	OUT. 110-115, W/ USB	⊞	SMOKE DETECTOR
⊕	OUT. 110-115, CLG. MOUNT.	⊞	CARBON MONOXIDE
⊕	OUT. 110-115, FLR. MOUNT.	⊞	PUSH BUTTON
⊕	SFCL. PURPOSE 220-240	⊞	EXHAUST FAN
⊕	LIGHT FIXT., CLG. MTD.	⊞	EX. FAN/LIGHT COMBO
⊕	LIGHT FIXT., WALL MTD.	⊞	DISPOSAL
⊕	LED LIGHT FIXT., RECESSED	⊞	ELECTRICAL PANEL
⊕	LIGHT FIXT., REC. ADJUST.	⊞	CEILING FAN, PREWIRE
⊕	LIGHT FIXT., FULL CHAIN	⊞	CEILING FAN, INSTALL
⊕	LED- LIGHT FIXT., FLUORESCENT	⊞	ELECT. JUNCTION BOX
⊕	LIGHT FIXT., EXT. FLOODS	⊞	THERMOSTAT
⊕	LIGHT FIXT., EMERG. EXIT	⊞	DISCONNECT SWITCH
⊕	LIGHT FIXT., EXIT/BACKUP	⊞	ELEC. POWER METER

**ELECTRICAL PLAN "OPT. LED"**

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

**LED RECESS OPTION**

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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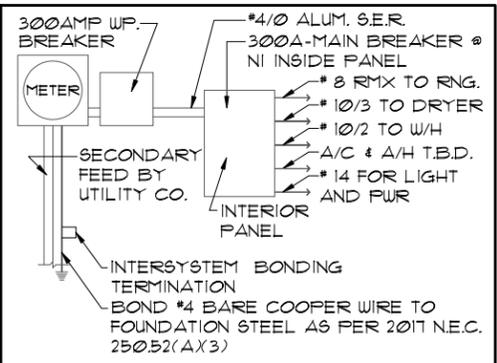
ELECTRICAL PLAN

WATERFALL  
PARADISO GRANDE

6374  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 09.0  
 OF SHEETS

**MECHANICAL/GENERAL NOTES**

- PER 11TH ED. 2020 FLA. BLD. CODE-RESIDENTIAL
- 1.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1
  - 2.) APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.
    - A) CHAPTER 13 OF THE FBC-R 2020 11TH SECTION M1305.1
  - 3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M1602 OF THE FBCR CODE 2020 11TH EDITION.
  - 4.) IAW NEC 2017- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION- KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.
  - 5.) IAW NEC 2017- 406.12, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.
  - 6.) ALL OUTLETS IN BATHROOMS AND LAUNDRY ROOM SHALL BE GFCI
  - 7.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS. SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBCR R314.3 & R314.4.
  - 8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2020, 11TH ED. P2801.7
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  - 10.) THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M1502.4.5.1 THROUGH M1502.4.5.3
  - 11.) ALL ELECTRICAL WORK TO BE DONE PER NFPA70-NEC 2017
  - 12.) ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A)(2)
  - 12.) ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH NFPA70-NEC2017 - ARTICLE 210-52



**ELECTRICAL RISER DIAGRAM**

NOTE: N.T.S.  
ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)(1) TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

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.

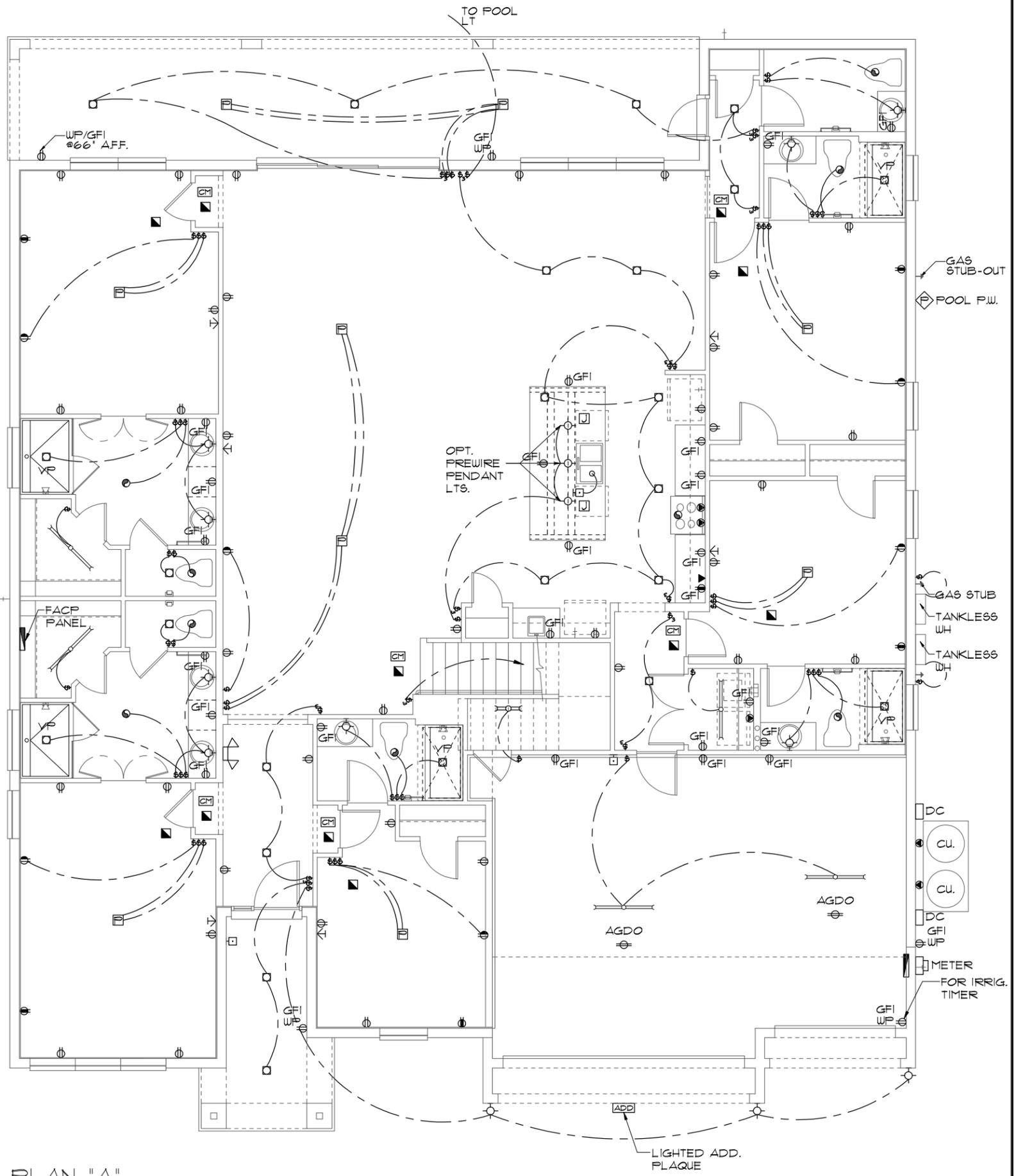
The steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive material.

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.

**NOTE: THE FIRE ALARM SYSTEM WILL CONSIST OF (1) FIRE ALARM CONTROL PANEL - 32 ZONE FL-FACP-LTEVS WITH (1) SMOKE DETECTOR OVER FIRE ALARM CONTROL PANEL. ALL INSTALLATION FOR THIS MACURCO CARBON MONOXIDE DETECTOR CM-E1 & CONVENTIONAL SMOKE DETECTION FIREWOLF FW2-S SHALL BE INSTALLED PURSUANT THE MANUFACTURE REQUIREMENTS AND NEC 2017 CODE REQUIREMENTS**

**ELECTRICAL LEGEND**

⊕	SINGLE POLE SWITCH	◀	OUTLET, TV/CABLE
⊕	THREE WAY SWITCH	◀	OUTLET, PHONE
⊕	OUTLET 110-115	◻	INTERCOM
⊕	OUT. 110-115, SPLIT WIRED	◻	CHIMES
⊕	OUT. 110-115, W/ USB	◻	SMOKE DETECTOR/SMOKE ALARM W/INTEGRATED SOUNDER BASE
⊕	OUT. 110-115, CLG. MOUNT.	◻	CARBON MONOXIDE
⊕	OUT. 110-115, FLR. MOUNT.	◻	PUSH BUTTON
⊕	SFCL. PURPOSE 220-240	⊙	EXHAUST FAN
⊕	LIGHT FIXT., CLG. MTD.	⊕	EX. FAN/LIGHT COMBO
⊕	LIGHT FIXT., WALL MTD.	⊕	DISPOSAL
⊕	LED LIGHT FIXT., RECESSED	◻	ELECTRICAL PANEL
⊕	LIGHT FIXT., REC. ADJUST.	◻	CEILING FAN, PREWIRE
⊕	LIGHT FIXT., PULL CHAIN	◻	CEILING FAN, INSTALL
⊕	LED LIGHT FIXT., FLUORESCENT	◻	ELECT. JUNCTION BOX
⊕	LIGHT FIXT., EXT. FLOODS	◻	THERMOSTAT
⊕	EXIT LIGHT FIXT., EMERG. EXIT	◻	DISCONNECT SWITCH
⊕	LIGHT FIXT., EXIT/BACKUP	◻	ELEC. POWER METER



**ELECTRICAL PLAN "A"**

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2003 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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5200 Vineland Road, Suite 200  
Orlando, Florida, 32817  
Phone: (407) 529 - 3000

**ELECTRICAL PLAN**

**WATERFALL  
PARADISO GRANDE**

**6374**  
DATE 04-09-21  
SCALE AS NOTED  
DRAWN RDC  
JOB 6374  
SHEET  
**09A.0**  
OF SHEETS

**MECHANICAL/GENERAL NOTES**

1.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1

2.) APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.

A) CHAPTER 13 OF THE FBC-R 2023 8TH SECTION M1305.1

3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M1602 OF THE FBCR CODE 2023 8TH EDITION.

4.) IAW NEC 2020- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION- KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.

5.) IAW NEC 2020- 406.12, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.

6.) ALL OUTLETS IN BATHROOMS, KITCHEN, GARAGES AND LAUNDRY ROOM SHALL BE GFCI

7.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS, SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBCR R314.3 & R314.4. MODEL TO BE USED ON THIS JOB TO BE: **BRK: SMOKE-9120B, C/O- SC9120B**  
**KIDDE: SMOKE-21007581, C/O 21006377-N**

8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2023, 8TH ED. F2201.1

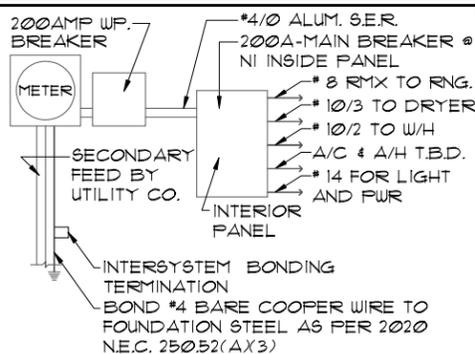
9.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2023, 8TH ED.

10.) THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M1502.4.5.1 THROUGH M1502.4.5.3

11.) ALL ELECTRICAL WORK TO BE DONE PER **NFPA70-NEC 2020**

12.) ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A)X2)

12.) ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH **NFPA70-NEC2020 - ARTICLE 210-52**



**ELECTRICAL RISER DIAGRAM**

NOTE: N.T.S. ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)X1) TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

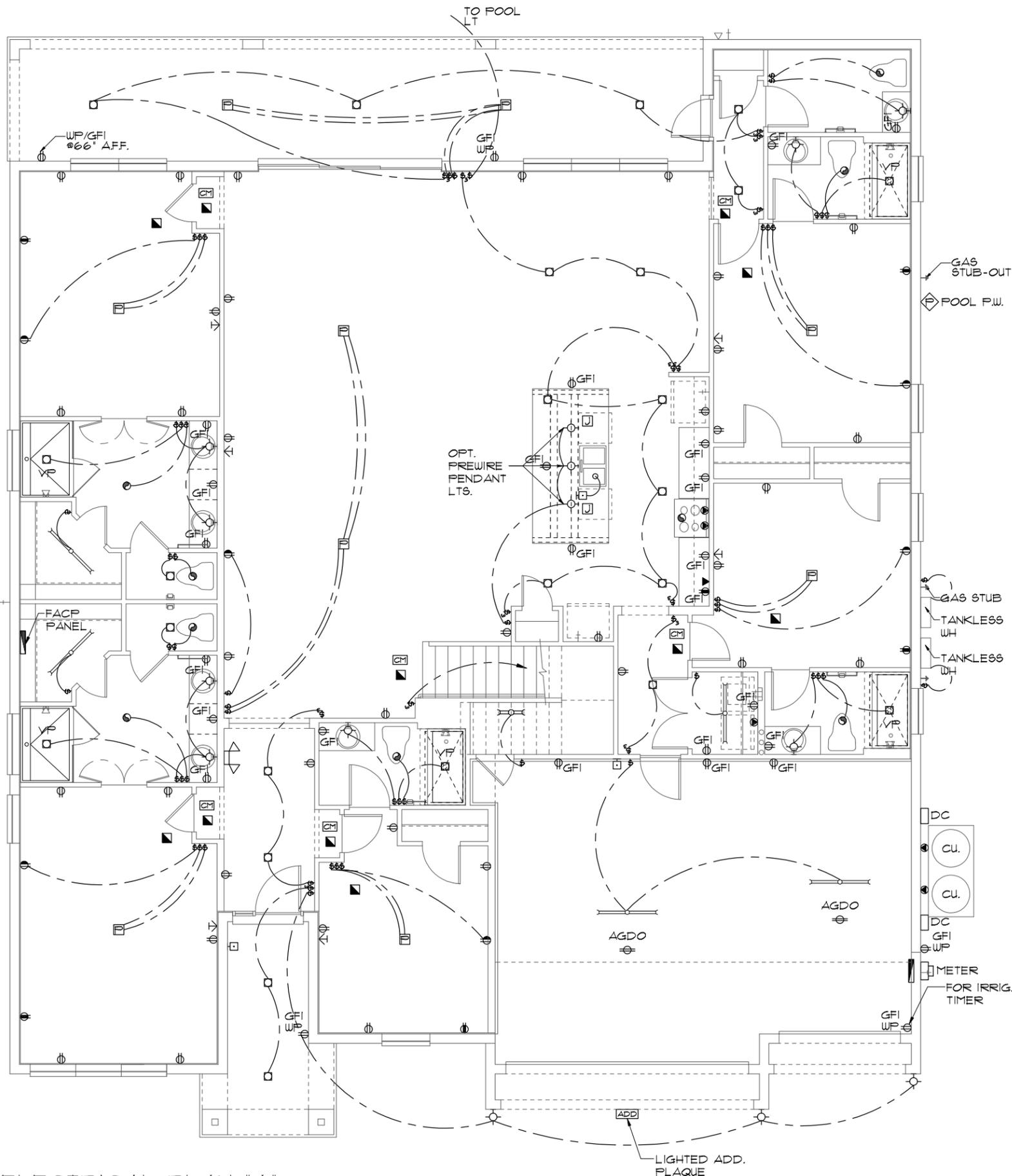
250.52(A)X3) Concrete-Encased Electrode. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long.

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 a reinforcing rod is not required.

NOTE: THE FIRE ALARM SYSTEM WILL CONSIST OF (1) FIRE ALARM CONTROL PANEL - 32 ZONE GEMC-FW32CONVKT WITH (1) SMOKE DETECTOR OVER FIRE ALARM CONTROL PANEL. ALL INSTALLATION FOR THIS MACURCO CARBON MONOXIDE DETECTOR CM-EI & CONVENTIONAL SMOKE DETECTION FIREWOLF FW2-S SHALL BE INSTALLED PURSUANT THE MANUFACTURE REQUIREMENTS AND NEC 2020 CODE REQUIREMENTS



**ELECTRICAL PLAN "A"**

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

ELECTRICAL LEGEND			
⊞	SINGLE POLE SWITCH	◀	OUTLET, TV/CABLE
⊞	THREE WAY SWITCH	◀	OUTLET, PHONE
⊞	OUTLET 110-115	◻	INTERCOM
⊞	OUT. 110-115, SPLIT WIRED	⊞	CHIMES
⊞	OUT. 110-115, W/ USB	⊞	SMOKE DETECTOR/SMOKE ALARM W/INTEGRATED SOUNDER BASE
⊞	OUT. 110-115, CLG. MOUNT.	⊞	CARBON MONOXIDE
⊞	OUT. 110-115, FLR. MOUNT.	⊞	PUSH BUTTON
⊞	SPCL. PURPOSE 220-240	⊞	EXHAUST FAN
⊞	LIGHT FIXT., CLG. MTD.	⊞	EX. FAN/LIGHT COMBO
⊞	LIGHT FIXT., WALL MTD.	⊞	DISPOSAL
⊞	LED LIGHT FIXT., RECESSSED	⊞	ELECTRICAL PANEL
⊞	LIGHT FIXT., REC. ADJUST.	⊞	CEILING FAN, PREWIRE
⊞	LIGHT FIXT., FULL CHAIN	⊞	CEILING FAN, INSTALL
⊞	LED LIGHT FIXT., FLUORESCENT	⊞	ELECT. JUNCTION BOX
⊞	LIGHT FIXT., EXT. FLOODS	⊞	THERMOSTAT
⊞	LIGHT FIXT., EMERG. EXIT	⊞	DISCONNECT SWITCH
⊞	LIGHT FIXT., EXIT/BACKUP	⊞	ELEC. POWER METER

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

WATERFALL  
 PARADISO GRANDE  
 6374  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 09A.0  
 OF SHEETS

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**Park Square HOMES**  
 ELECTRICAL PLAN

REVISIONS BY

**MECHANICAL/GENERAL NOTES**

PER 11TH ED. 2020 FLA BLD. CODE-RESIDENTIAL

- 1.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1
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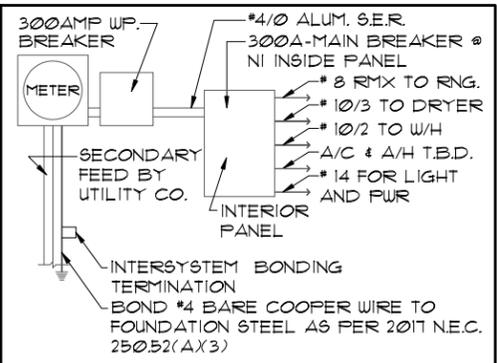
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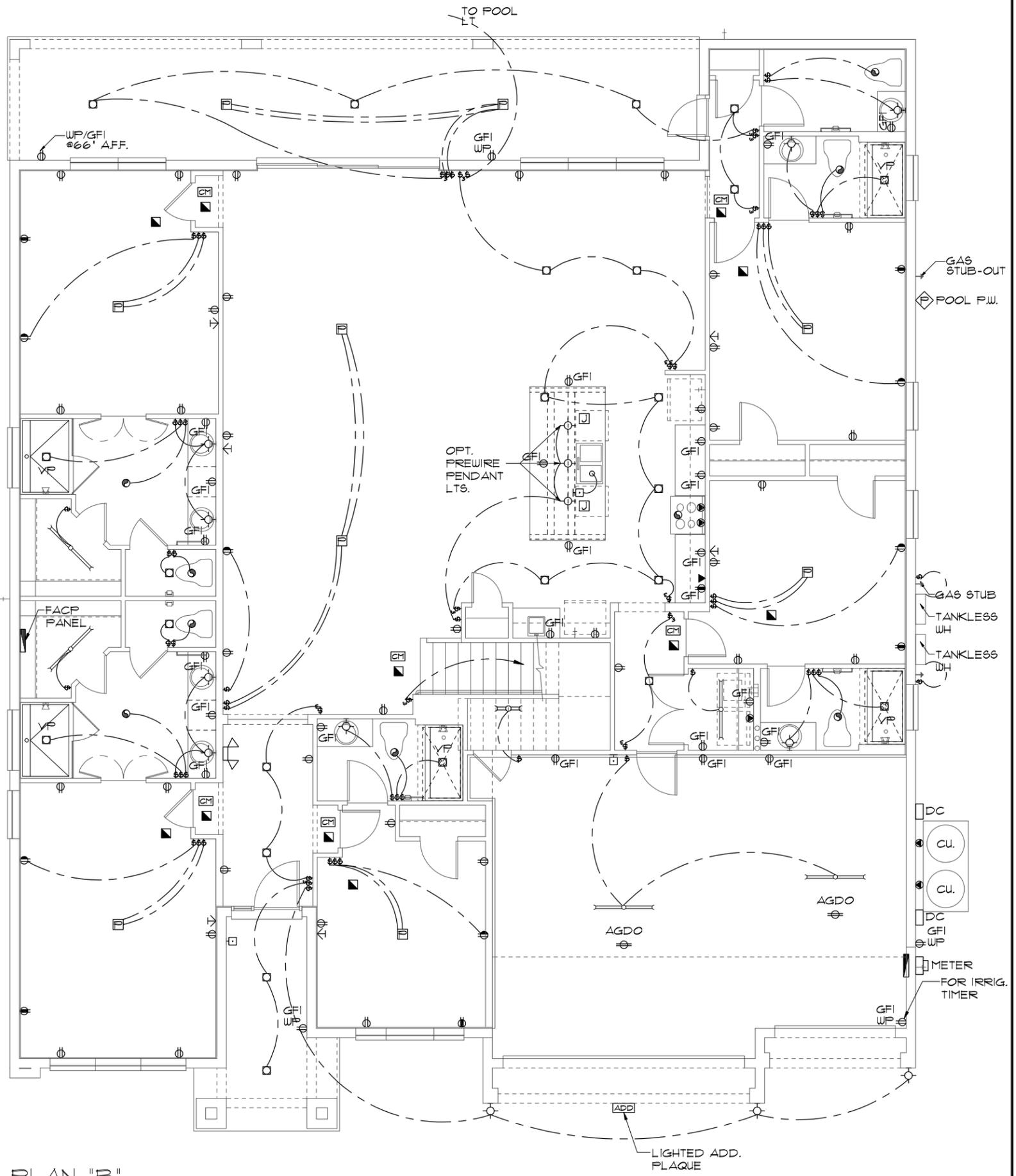
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**ELECTRICAL LEGEND**

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⊕	THREE WAY SWITCH	◀	OUTLET, PHONE
⊕	OUTLET 110-115	◻	INTERCOM
⊕	OUT. 110-115, SPLIT WIRED	◻	CHIMES
⊕	OUT. 110-115, W/ USB	◻	SMOKE DETECTOR/SMOKE ALARM W/INTEGRATED SOUNDER BASE
⊕	OUT. 110-115, CLG. MOUNT.	◻	CARBON MONOXIDE
⊕	OUT. 110-115, FLR. MOUNT.	◻	PUSH BUTTON
⊕	SFCL. PURPOSE 220-240	⊙	EXHAUST FAN
⊕	LIGHT FIXT., CLG. MTD.	⊕	EX. FAN/LIGHT COMBO
⊕	LIGHT FIXT., WALL MTD.	⊕	DISPOSAL
⊕	LED LIGHT FIXT., RECESSED	◻	ELECTRICAL PANEL
⊕	LIGHT FIXT., REC. ADJUST.	◻	CEILING FAN, PREWIRE
⊕	LIGHT FIXT., PULL CHAIN	◻	CEILING FAN, INSTALL
⊕	LED LIGHT FIXT., FLUORESCENT	◻	ELECT. JUNCTION BOX
⊕	LIGHT FIXT., EXT. FLOODS	◻	THERMOSTAT
⊕	EXIT LIGHT FIXT., EMERG. EXIT	◻	DISCONNECT SWITCH
⊕	LIGHT FIXT., EXIT/BACKUP	◻	ELEC. POWER METER



**ELECTRICAL PLAN "B"**

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2003 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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**ELECTRICAL PLAN**

**WATERFALL  
PARADISO GRANDE**

6374	DATE 04-09-21
	SCALE AS NOTED
	DRAWN RDC
	JOB 6374
	SHEET
09B.0	OF SHEETS

**MECHANICAL/GENERAL NOTES**

PER 8TH ED. 2023 FLA BLD. CODE-RESIDENTIAL  
 1.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1

2.) APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.  
 A) CHAPTER 13 OF THE FBC-R 2023 8TH SECTION M1305.1

3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M1602 OF THE FBCR CODE 2023 8TH EDITION.

4.) IAW NEC 2020- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION- KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.

5.) IAW NEC 2020- 406.12, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.

6.) ALL OUTLETS IN BATHROOMS, KITCHEN, GARAGES AND LAUNDRY ROOM SHALL BE GFCI

7.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS, SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBCR R314.3 & R314.4. MODEL \* TO BE USED ON THIS JOB TO BE:  
**BRK: SMOKE-9120B, C/O- SC9120B**  
**KIDDE: SMOKE-21007581, C/O 21006377-N**

8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18' ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2023, 8TH ED. F2201.1

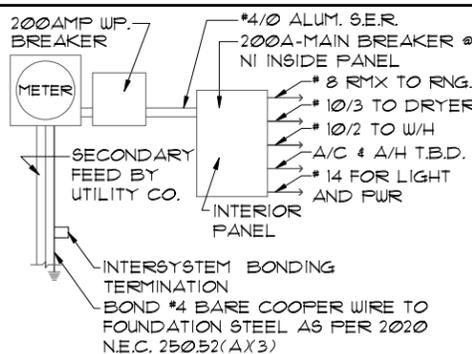
9.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18' ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2023, 8TH ED.

10.) THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M1502.4.5.1 THROUGH M1502.4.5.3

11.) ALL ELECTRICAL WORK TO BE DONE PER NFPA70-NEC 2020

12.) ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A)2

12.) ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH NFPA70-NEC2020 - ARTICLE 210-52



**ELECTRICAL RISER DIAGRAM**

NOTE:  
 N.T.S.  
 ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)1 TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

250.52(A)3 Concrete-Encased Electrode. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long.

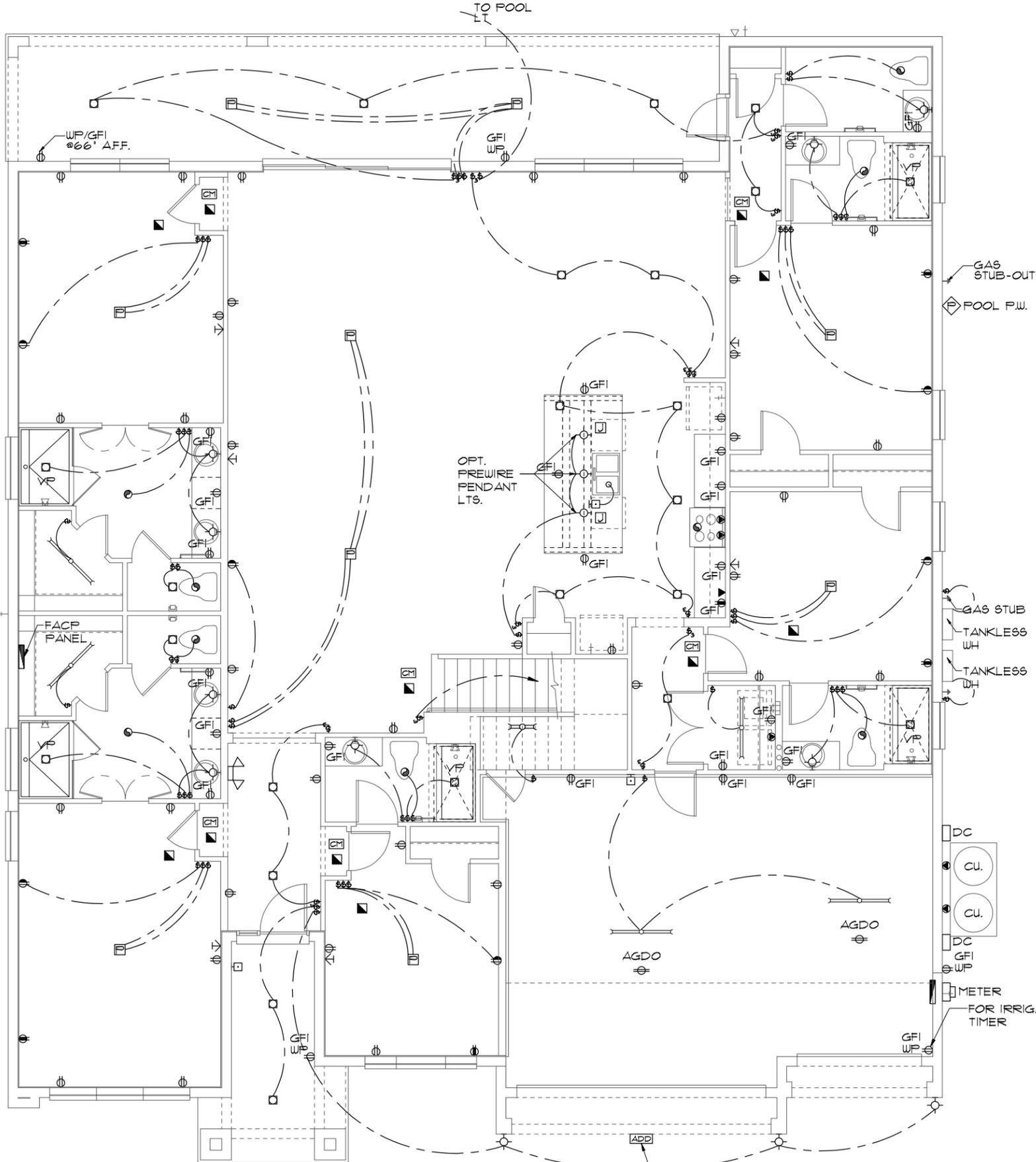
Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. There are two types of concrete-encased electrodes: (1) steel reinforcing bars or rods which are not less than 1/2 inch in diameter and at least 20 ft. long, encased in 2 inches of concrete; (2) 20 ft. of bare 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 a reinforcing rod is not required.

NOTE: THE FIRE ALARM SYSTEM WILL CONSIST OF (1) FIRE ALARM CONTROL PANEL - 32 ZONE GEMC-FW32CONVKT WITH (1) SMOKE DETECTOR OVER FIRE ALARM CONTROL PANEL. ALL INSTALLATION FOR THIS MACURCO CARBON MONOXIDE DETECTOR CM-EI & CONVENTIONAL SMOKE DETECTION FIREWOLF FW2-S SHALL BE INSTALLED PURSUANT THE MANUFACTURE REQUIREMENTS AND NEC 2020 CODE REQUIREMENTS



**ELECTRICAL LEGEND**

⊞	SINGLE POLE SWITCH	◀	OUTLET, TV/CABLE
⊞	THREE WAY SWITCH	◀	OUTLET, PHONE
⊞	OUTLET 110-115	◻	INTERCOM
⊞	OUT. 110-115, SPLIT WIRED	⊞	CHIMES
⊞	OUT. 110-115, W/ USB	⊞	SMOKE DETECTOR/SMOKE ALARM W/INTEGRATED SOUNDER BASE
⊞	OUT. 110-115, CLG. MOUNT.	⊞	CARBON MONOXIDE
⊞	OUT. 110-115, FLR. MOUNT.	⊞	PUSH BUTTON
⊞	SPCL. PURPOSE 220-240	⊞	EXHAUST FAN
⊞	LIGHT FIXT., CLG. MTD.	⊞	EX. FAN/LIGHT COMBO
⊞	LIGHT FIXT., WALL MTD.	⊞	DISPOSAL
⊞	LED LIGHT FIXT., RECESSED	⊞	ELECTRICAL PANEL
⊞	LIGHT FIXT., REC. ADJUST.	⊞	CEILING FAN, PREWIRE
⊞	LIGHT FIXT., FULL CHAIN	⊞	CEILING FAN, INSTALL
⊞	LED LIGHT FIXT., FLUORESCENT	⊞	ELECT. JUNCTION BOX
⊞	LIGHT FIXT., EXT. FLOODS	⊞	THERMOSTAT
⊞	LIGHT FIXT., EMERG. EXIT	⊞	DISCONNECT SWITCH
⊞	LIGHT FIXT., EXIT/BACKUP	⊞	ELEC. POWER METER

**ELECTRICAL PLAN "B"**

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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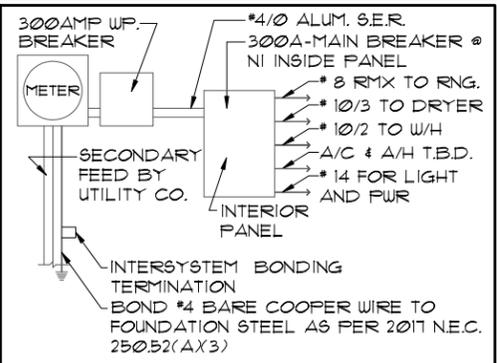
**ELECTRICAL PLAN**

**WATERFALL**  
**PARADISO GRANDE**

**6374**  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 09B.0  
 OF SHEETS

**MECHANICAL/GENERAL NOTES**  
PER 11TH ED. 2020 FLA BLD. CODE-RESIDENTIAL

- 1.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1
- 2.) APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.
  - A) CHAPTER 13 OF THE FBC-R 2020 11TH SECTION M1305.1
- 3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M1602 OF THE FBCR CODE 2020 11TH EDITION.
- 4.) IAW NEC 2017- 210.12- ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION- KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.
- 5.) IAW NEC 2017- 406.12, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.
- 6.) ALL OUTLETS IN BATHROOMS AND LAUNDRY ROOM SHALL BE GFCI
- 7.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS. SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBCR R314.3 & R314.4.
- 8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2020, 11TH ED. P2801.7
- 9.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2020, 11TH ED.
- 10.) THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M1502.4.5.1 THROUGH M1502.4.5.3
- 11.) ALL ELECTRICAL WORK TO BE DONE PER NFPA70-NEC 2017
- 12.) ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A)(2)
- 12.) ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH NFPA70-NEC2017 - ARTICLE 210-52



**ELECTRICAL RISER DIAGRAM**

NOTE: N.T.S.  
ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)(1) TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

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.

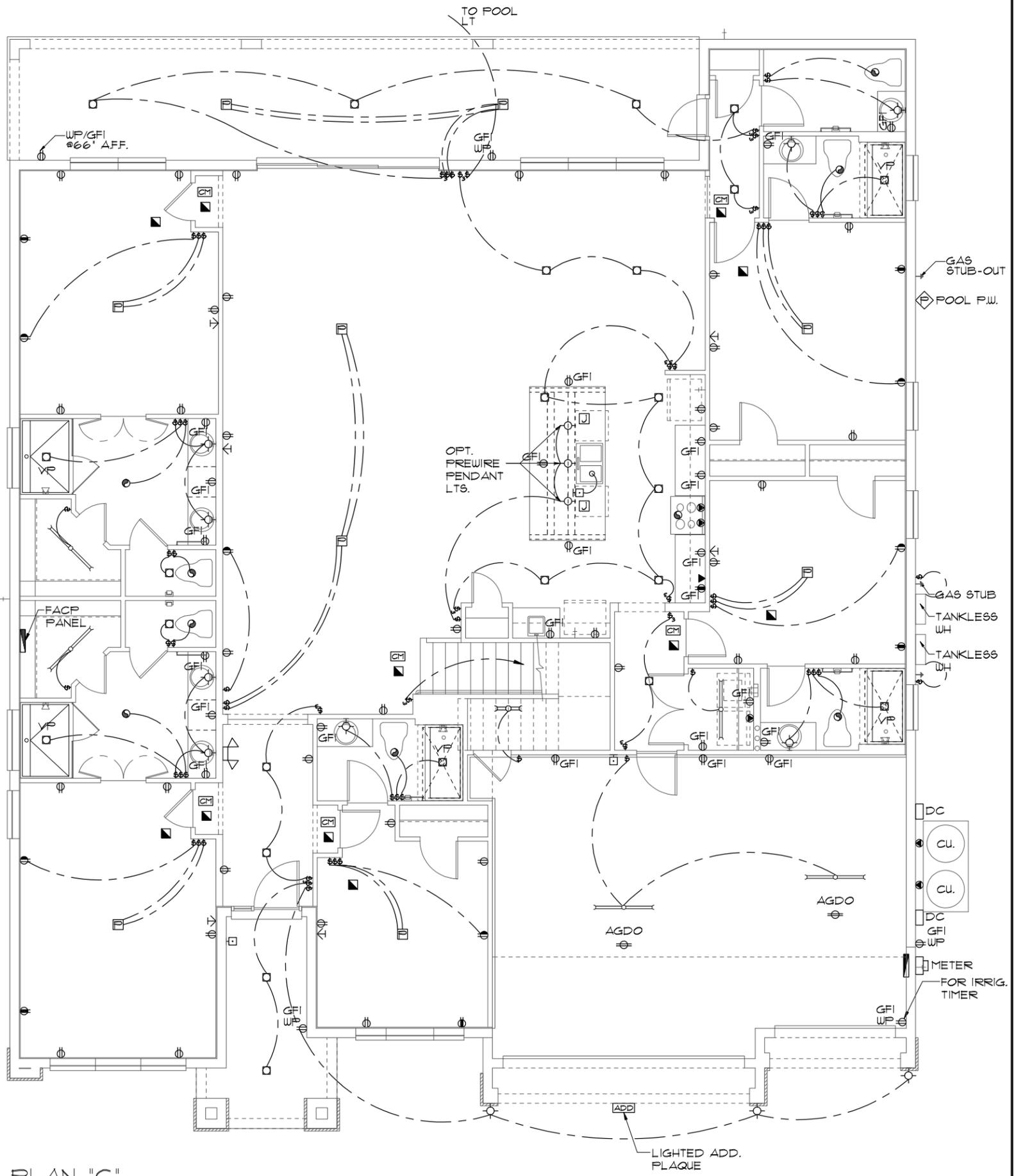
The steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive material.

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.

**NOTE: THE FIRE ALARM SYSTEM WILL CONSIST OF (1) FIRE ALARM CONTROL PANEL - 32 ZONE FL-FACP-LTEVS WITH (1) SMOKE DETECTOR OVER FIRE ALARM CONTROL PANEL. ALL INSTALLATION FOR THIS MACURCO CARBON MONOXIDE DETECTOR CM-E1 & CONVENTIONAL SMOKE DETECTION FIREWOLF FW2-S SHALL BE INSTALLED PURSUANT THE MANUFACTURE REQUIREMENTS AND NEC 2017 CODE REQUIREMENTS**

**ELECTRICAL LEGEND**

⊕	SINGLE POLE SWITCH	⊕	OUTLET, TV/CABLE
⊕	THREE WAY SWITCH	⊕	OUTLET, PHONE
⊕	OUTLET 110-115	⊕	INTERCOM
⊕	OUT. 110-115, SPLIT WIRED	⊕	CHIMES
⊕	OUT. 110-115, W/ USB	⊕	SMOKE DETECTOR/SMOKE ALARM W/INTEGRATED SOUNDER BASE
⊕	OUT. 110-115, CLG. MOUNT.	⊕	CARBON MONOXIDE
⊕	OUT. 110-115, FLR. MOUNT.	⊕	PUSH BUTTON
⊕	SFCL. PURPOSE 220-240	⊕	EXHAUST FAN
⊕	LIGHT FIXT., CLG. MTD.	⊕	EX. FAN/LIGHT COMBO
⊕	LIGHT FIXT., WALL MTD.	⊕	DISPOSAL
⊕	LED LIGHT FIXT., RECESSED	⊕	ELECTRICAL PANEL
⊕	LIGHT FIXT., REC. ADJUST.	⊕	CEILING FAN, PREWIRE
⊕	LIGHT FIXT., FULL CHAIN	⊕	CEILING FAN, INSTALL
⊕	LED LIGHT FIXT., FLUORESCENT	⊕	ELECT. JUNCTION BOX
⊕	LIGHT FIXT., EXT. FLOODS	⊕	THERMOSTAT
⊕	EXIT LIGHT FIXT., EMERG. EXIT	⊕	DISCONNECT SWITCH
⊕	LIGHT FIXT., EXIT/BACKUP	⊕	ELEC. POWER METER



**ELECTRICAL PLAN "C"**

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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

**ELECTRICAL PLAN**

**WATERFALL PARADISO GRANDE**

6374	DATE 04-09-21
	SCALE AS NOTED
	DRAWN RDC
	JOB 6374
	SHEET
09C.0	OF SHEETS

**MECHANICAL/GENERAL NOTES**

1.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1

2.) APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.

A) CHAPTER 13 OF THE FBC-R 2023 8TH SECTION M1305.1

3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M1602 OF THE FBCR CODE 2023 8TH EDITION.

4.) IAW NEC 2020- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION- KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.

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6.) ALL OUTLETS IN BATHROOMS, KITCHEN, GARAGES AND LAUNDRY ROOM SHALL BE GFCI

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**KIDDE: SMOKE-21007581, C/O 21006377-N**

8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2023, 8TH ED. F2201.1

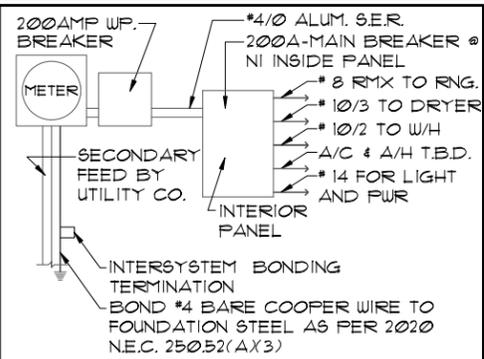
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10.) THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M1502.4.5.1 THROUGH M1502.4.5.3

11.) ALL ELECTRICAL WORK TO BE DONE PER **NFPA70-NEC 2020**

12.) ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A)X2

12.) ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH **NFPA70-NEC2020 - ARTICLE 210-52**

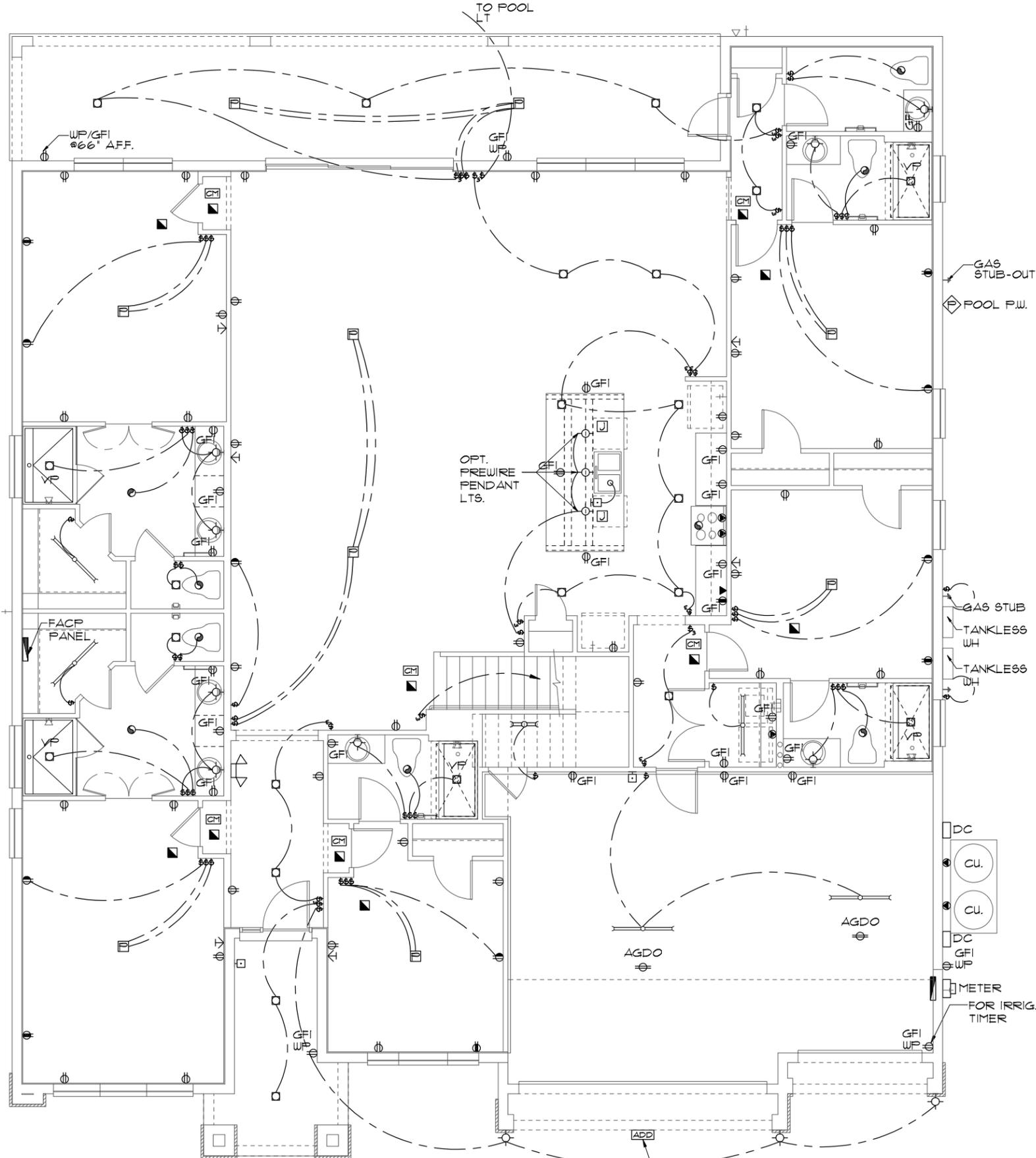


**ELECTRICAL RISER DIAGRAM**  
NOTE: N.T.S.  
ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)X1 TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

250.52(A)X3 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.  
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ELECTRICAL LEGEND			
⊞	SINGLE POLE SWITCH	◀	OUTLET, TV/CABLE
⊞	THREE WAY SWITCH	◀	OUTLET, PHONE
⊞	OUTLET 110-115	◻	INTERCOM
⊞	OUT. 110-115, SPLIT WIRED	⊞	CHIMES
⊞	OUT. 110-115, W/ USB	⊞	SMOKE DETECTOR/SMOKE ALARM W/INTEGRATED SOUNDER BASE
⊞	OUT. 110-115, CLG. MOUNT.	⊞	CARBON MONOXIDE
⊞	OUT. 110-115, FLR. MOUNT.	⊞	PUSH BUTTON
⊞	SPL. PURPOSE 220-240	⊞	EXHAUST FAN
⊞	LIGHT FIXT., CLG. MTD.	⊞	EX. FAN/LIGHT COMBO
⊞	LIGHT FIXT., WALL MTD.	⊞	DISPOSAL
⊞	LED LIGHT FIXT., RECESSED	⊞	ELECTRICAL PANEL
⊞	LIGHT FIXT., REC. ADJUST.	⊞	CEILING FAN, PREWIRE
⊞	LIGHT FIXT., FULL CHAIN	⊞	CEILING FAN, INSTALL
⊞	LED LIGHT FIXT., FLUORESCENT	⊞	ELECT. JUNCTION BOX
⊞	LIGHT FIXT., EXT. FLOODS	⊞	THERMOSTAT
⊞	LIGHT FIXT., EMERG. EXIT	⊞	DISCONNECT SWITCH
⊞	LIGHT FIXT., EXIT/BACKUP	⊞	ELEC. POWER METER



**ELECTRICAL PLAN "C"**  
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**LOT: 0000, WATERSONG**

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**WATERFALL PARADISO GRANDE**

DATE 04-09-21  
SCALE AS NOTED  
DRAWN RDC  
JOB 6374  
SHEET 09C.0 OF SHEETS

**6374**

A DIVISION OF PARK SQUARE ENTERPRISES, INC.  
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REVISIONS	BY

**MECHANICAL/GENERAL NOTES**

1.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1

2.) APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.  
A) CHAPTER 13 OF THE FBC-R 2020 1TH SECTION M1305.1

3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M1602 OF THE FBCR CODE 2020 1TH EDITION.

4.) IAW NEC 2017- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION- KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.

5.) IAW NEC 2017- 406.12, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.

6.) ALL OUTLETS IN BATHROOMS AND LAUNDRY ROOM SHALL BE GFCI

7.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS. SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBCR R314.3 & R314.4. MODEL\* TO BE USED ON THIS JOB TO BE:  
**BRK: SMOKE-9120B, C/O- SC9120B**  
**KIDDE: SMOKE-21007581, C/O 21006377-N**

8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2020, 1TH ED. P2801.1

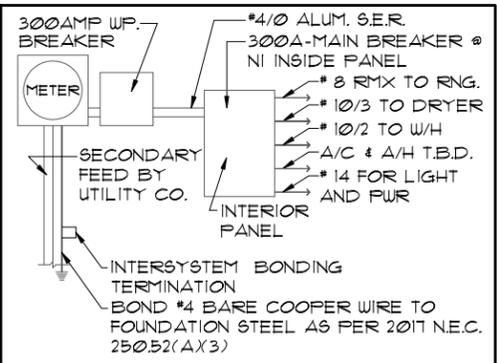
9.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2020, 1TH ED.

10.) THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M1502.4.5.1 THROUGH M1502.4.5.3

11.) ALL ELECTRICAL WORK TO BE DONE PER NFP710-NEC 2017

12.) ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A)2)

12.) ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH NFP710-NEC2017 - ARTICLE 210-52



**ELECTRICAL RISER DIAGRAM**

NOTE: ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)1) TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

250.52(A)3) Concrete-Encased Electrode. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long.

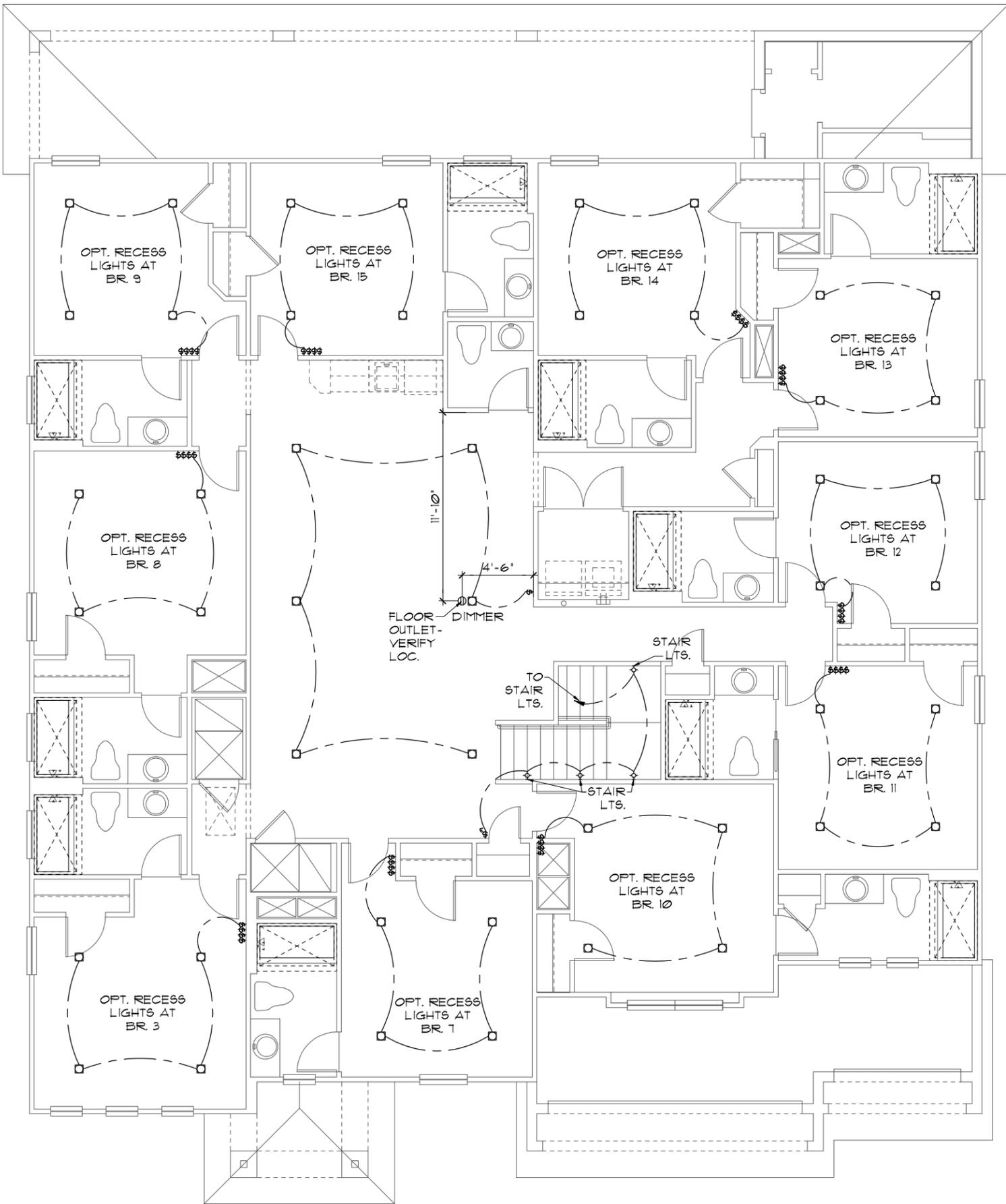
Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long.

There are two types of concrete-encased electrodes: (1) steel reinforcing bars or rods which are not less than 1/4" 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.

NOTE: IF MORE THAN 12 SMOKE ALARMS OR CARBON MONOXIDE ALARM COMBINATION ARE INSTALLED IN THE HOME CRIME PREVENTION WILL PULL A SEPARATE FIRE PERMIT AND THE SYSTEM WILL BE MONITORED



**ELECTRICAL LEGEND**

⊕	SINGLE POLE SWITCH	◀	OUTLET, TV/CABLE
⊕	THREE WAY SWITCH	◀	OUTLET, PHONE
□	OUTLET 110-115	□	INTERCOM
□	OUT. 110-115, SPLIT WIRED	□	CHIMES
⊕	OUT. 110-115, W/ USB	⊕	SMOKE DETECTOR
⊕	OUT. 110-115, CLG. MOUNT.	⊕	CARBON MONOXIDE
⊕	OUT. 110-115, FLR. MOUNT.	⊕	PUSH BUTTON
⊕	SFCL. PURPOSE 220-240	⊕	EXHAUST FAN
⊕	LIGHT FIXT., CLG. MTD.	⊕	EX. FAN/LIGHT COMBO
⊕	LIGHT FIXT., WALL MTD.	⊕	DISPOSAL
⊕	LED LIGHT FIXT., RECESSED	⊕	ELECTRICAL PANEL
⊕	LIGHT FIXT., REC. ADJUST.	⊕	CEILING FAN, PREWIRE
⊕	LIGHT FIXT., PULL CHAIN	⊕	CEILING FAN, INSTALL
⊕	LED- LIGHT FIXT., FLUORESCENT	⊕	ELECT. JUNCTION BOX
⊕	LIGHT FIXT., EXT. FLOODS	⊕	THERMOSTAT
⊕	LIGHT FIXT., EMERG. EXIT	⊕	DISCONNECT SWITCH
⊕	LIGHT FIXT., EXIT/BACKUP	⊕	ELEC. POWER METER

**UPPER ELECTRICAL PLAN "OPT. LED"**

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

**LED RECESS OPTION**

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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 5200 Vineland Road, Suite 200  
 Orlando, Florida 32811  
 Phone: (407) 529 - 3000

**Park Square**  
 HOMES

**ELECTRICAL PLAN**

**WATERFALL**  
**PARADISO GRANDE**

6374

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	
OF	10.0 SHEETS

**MECHANICAL/GENERAL NOTES**

PER 8TH ED. 2023 FLA BLD. CODE-RESIDENTIAL  
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2.) APPLIANCES SHALL BE ACCESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.  
 A) CHAPTER 13 OF THE FBC-R 2023 8TH SECTION M1305.1

3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION M1602 OF THE FBCR CODE 2023 8TH EDITION.

4.) IAW NEC 2020- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION- KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.

5.) IAW NEC 2020- 406.12, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.  
 6.) ALL OUTLETS IN BATHROOMS, KITCHEN, GARAGES AND LAUNDRY ROOM SHALL BE GFCI

7.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS, SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBCR R314.3 & R314.4. MODEL\* TO BE USED ON THIS JOB TO BE:  
**BRK: SMOKE-9120B, C/O- SC9120B**  
**KIDDE: SMOKE-21007581, C/O 21006377-N**

8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2023, 8TH ED. F2001.7

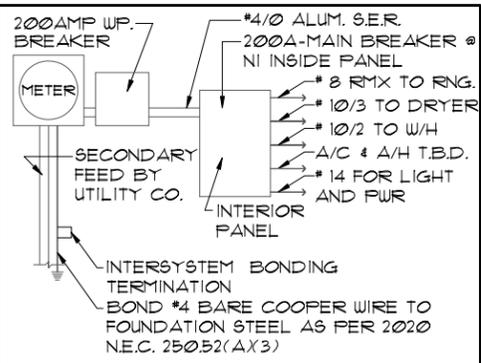
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11.) ALL ELECTRICAL WORK TO BE DONE PER NFPA70-NEC 2020

12.) ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A)2)

12.) ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH NFPA70-NEC2020 - ARTICLE 210-52



**ELECTRICAL RISER DIAGRAM**

NOTE:  
 N.T.S.  
 ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)1) TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

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.

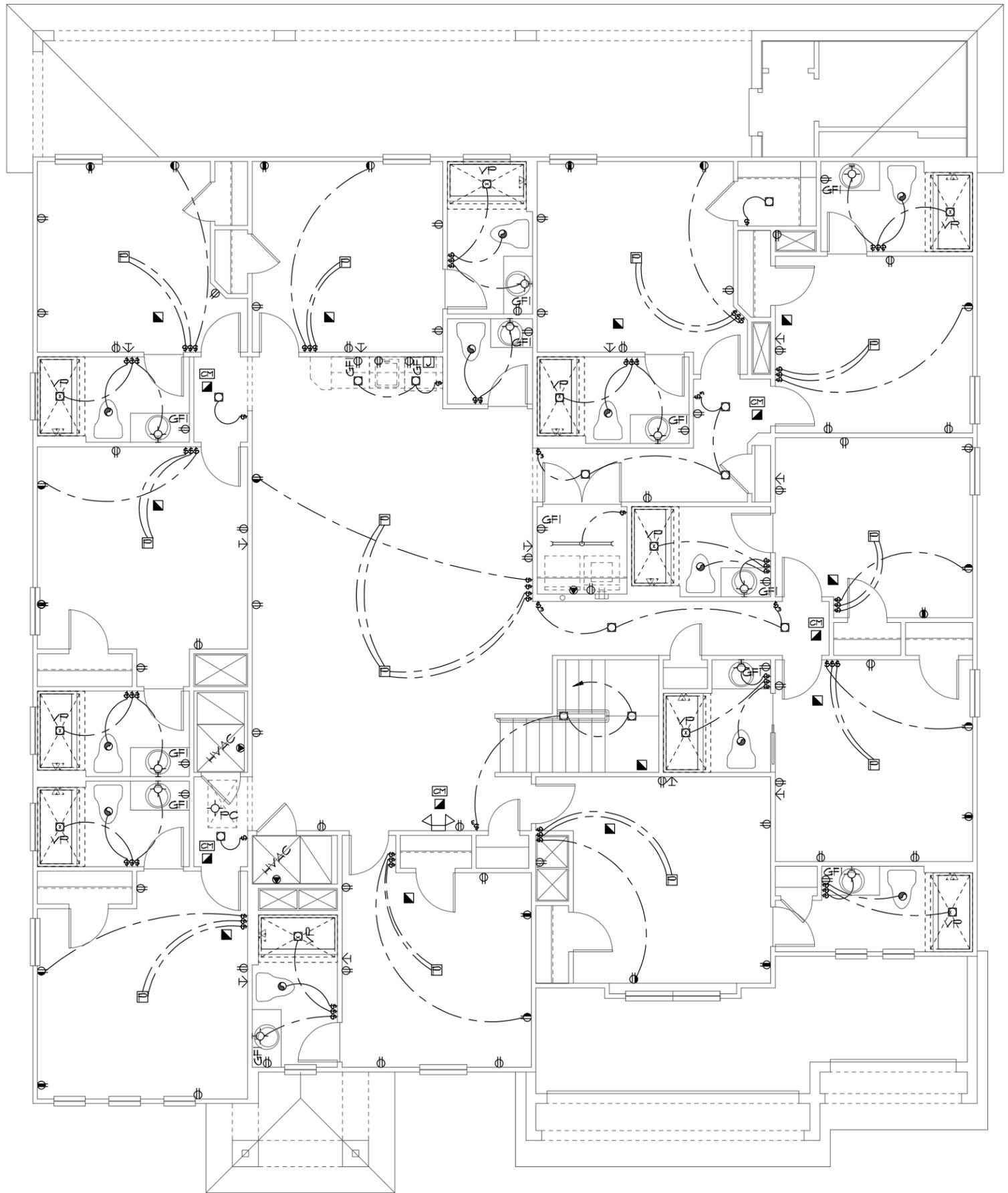
The steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive material.

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 that reinforcing rod is not required.

NOTE: THE FIRE ALARM SYSTEM WILL CONSIST OF (1) FIRE ALARM CONTROL PANEL - 32 ZONE GEMC-FW32CONVKT WITH (1) SMOKE DETECTOR OVER FIRE ALARM CONTROL PANEL. ALL INSTALLATION FOR THIS MACURCO CARBON MONOXIDE DETECTOR CM-EI4 CONVENTIONAL SMOKE DETECTION FIREWOLF FW2-S SHALL BE INSTALLED PURSUANT THE MANUFACTURE REQUIREMENTS AND NEC 2020 CODE REQUIREMENTS

**ELECTRICAL LEGEND**

⊕	SINGLE POLE SWITCH	◀	OUTLET, TV/CABLE
⊕	THREE WAY SWITCH	◀	OUTLET, PHONE
⊕	OUTLET 110-115	◻	INTERCOM
⊕	OUT. 110-115, SPLIT WIRED	⊕	CHIMES
⊕	OUT. 110-115, W/ USB	■	SMOKE DETECTOR/SMOKE ALARM W/INTEGRATED SOUNDER BASE
⊕	OUT. 110-115, CLG. MOUNT.	⊕	CARBON MONOXIDE
⊕	OUT. 110-115, FLR. MOUNT.	⊕	PUSH BUTTON
⊕	SPCL. PURPOSE 220-240	⊕	EXHAUST FAN
⊕	LIGHT FIXT., CLG. MTD.	⊕	EX. FAN/LIGHT COMBO
⊕	LIGHT FIXT., WALL MTD.	⊕	DISPOSAL
⊕	LED LIGHT FIXT., RECESSED	⊕	ELECTRICAL PANEL
⊕	LIGHT FIXT., REC. ADJUST.	⊕	CEILING FAN, PREWIRED
⊕	LIGHT FIXT., FULL CHAIN	⊕	CEILING FAN, INSTALL
⊕	LED LIGHT FIXT., FLUORESCENT	⊕	ELECT. JUNCTION BOX
⊕	LIGHT FIXT., EXT. FLOODS	⊕	THERMOSTAT
⊕	LIGHT FIXT., EMERG. EXIT	⊕	DISCONNECT SWITCH
⊕	LIGHT FIXT., EXIT/BACKUP	⊕	ELEC. POWER METER



**ELECTRICAL PLAN "A"**  
 1/8" = 1'-0" (11X17) 1/4" = 1'-0" (22X34)

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

ELECTRICAL PLAN

WATERFALL  
 PARADISO GRANDE

6374  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET  
**10A.0**  
 OF SHEETS

**MECHANICAL/GENERAL NOTES**

PER 8TH ED. 2023 FLA BLD. CODE-RESIDENTIAL  
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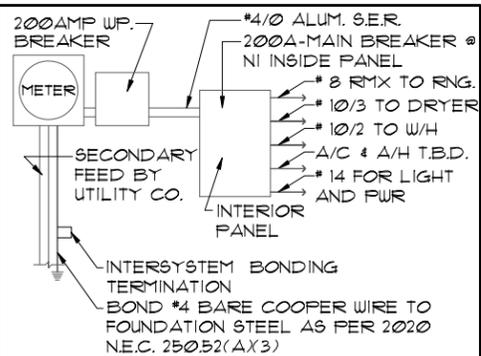
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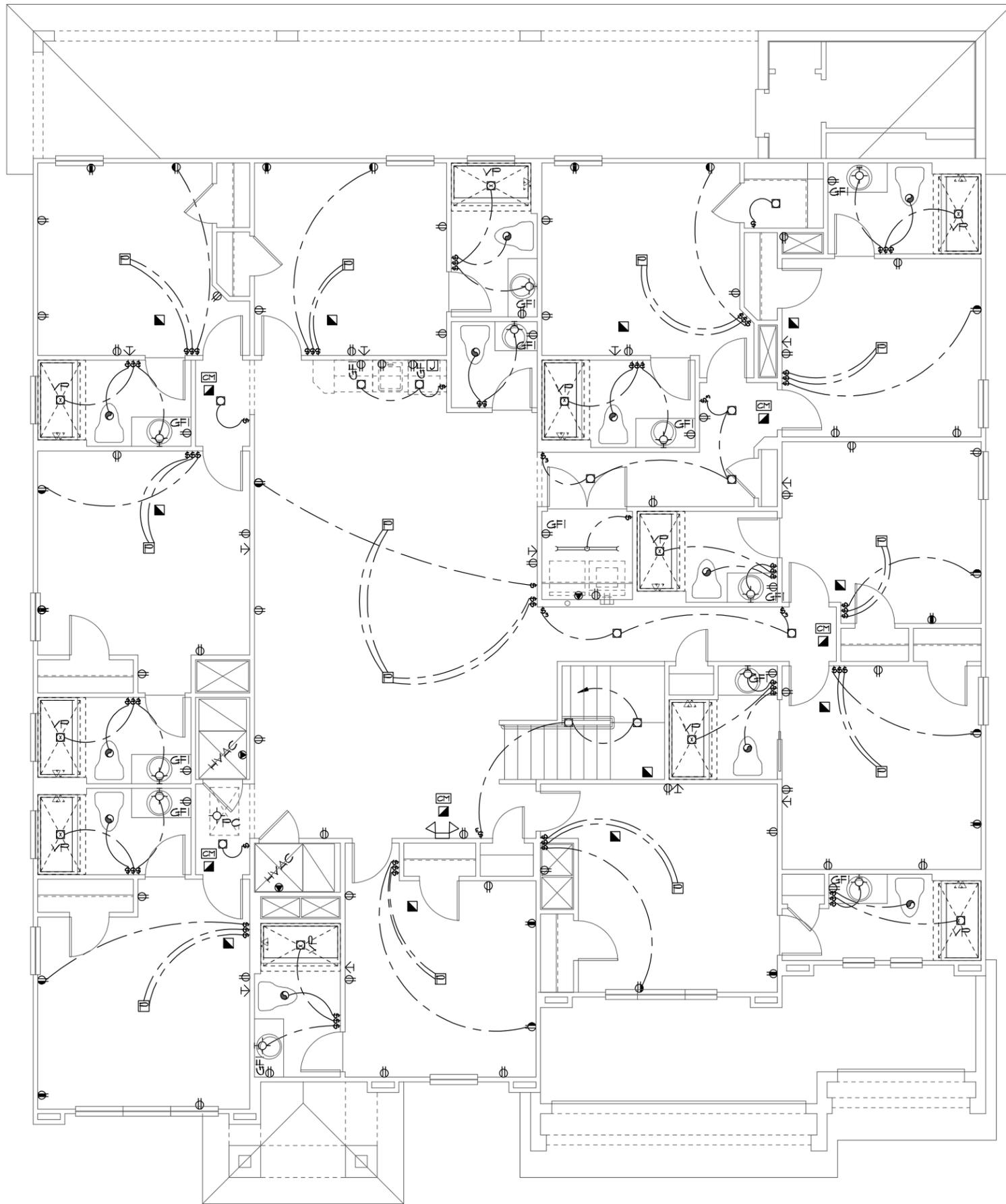
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⊞	LED LIGHT FIXT., RECESSED	⊞	ELECTRICAL PANEL
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⊞	LIGHT FIXT., FULL CHAIN	⊞	CEILING FAN, INSTALL
⊞	LED LIGHT FIXT., FLUORESCENT	⊞	ELECT. JUNCTION BOX
⊞	LIGHT FIXT., EXT. FLOODS	⊞	THERMOSTAT
⊞	LIGHT FIXT., EMERG. EXIT	⊞	DISCONNECT SWITCH
⊞	LIGHT FIXT., EXIT/BACKUP	⊞	ELEC. POWER METER

**ELECTRICAL PLAN "B"**

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

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A DIVISION OF PARK SQUARE ENTERPRISES, INC. 5200 Vineland Road, Suite 200 Orlando, Florida 32811 Phone: (407) 529-3000	
<b>Park Square HOMES</b>	
ELECTRICAL PLAN	
WATERFALL PARADISO GRANDE	6374
DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	10B.0
OF	SHEETS

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**KIDDE: SMOKE-21007581, C/O 21006377-N**

8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2023, 8TH ED. F2001.7

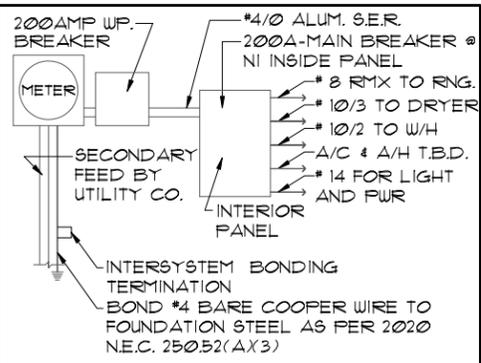
9.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2023, 8TH ED.

10.) THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M1502.4.5.1 THROUGH M1502.4.5.3

11.) ALL ELECTRICAL WORK TO BE DONE PER NFPA70-NEC 2020

12.) ADDITIONAL ELECTRODE MAY BE REQUIRED IN ACCORDANCE WITH NEC 250.53(A)X2)

12.) ALL DWELLING UNIT RECEPTACLE WILL BE IN ACCORDANCE WITH NFPA70-NEC2020 - ARTICLE 210-52



**ELECTRICAL RISER DIAGRAM**

NOTE:  
 N.T.S.  
 ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 250.52(A)X1) TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

250.52(A)X3) Concrete-Encased Electrode. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long.

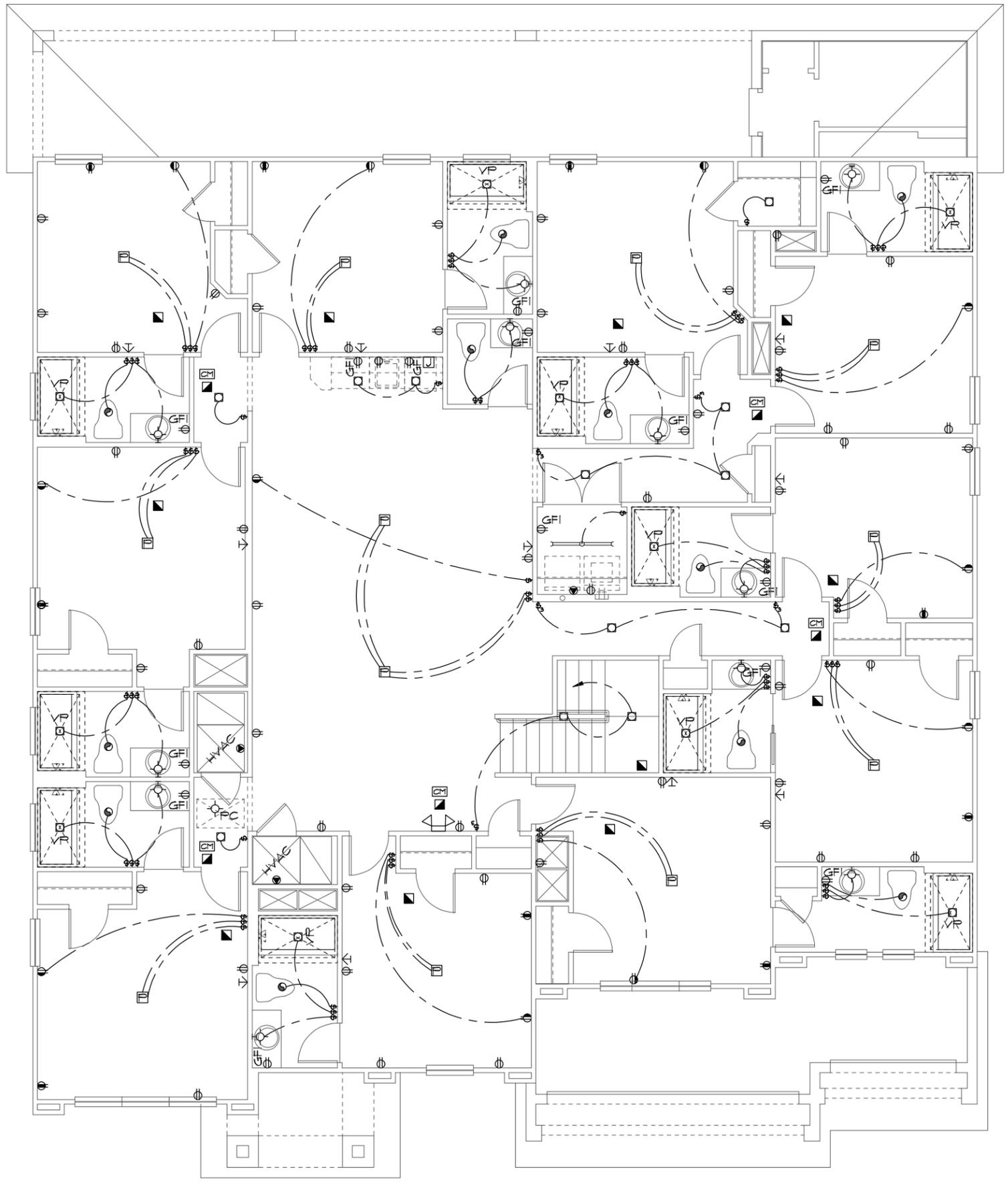
Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long. There are two types of concrete-encased electrodes: (1) steel reinforcing bars or rods which are not less than 1/2 inch in diameter and at least 20 ft. long, encased in 2 inches of concrete; (2) 20 ft. of bare 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 thereinforcing rod is not required.

NOTE: THE FIRE ALARM SYSTEM WILL CONSIST OF (1) FIRE ALARM CONTROL PANEL - 32 ZONE GEMC-FW32CONVKT WITH (1) SMOKE DETECTOR OVER FIRE ALARM CONTROL PANEL. ALL INSTALLATION FOR THIS MACURCO CARBON MONOXIDE DETECTOR CM-EI4 CONVENTIONAL SMOKE DETECTION FIREWOLF FW2-S SHALL BE INSTALLED PURSUANT THE MANUFACTURE REQUIREMENTS AND NEC 2020 CODE REQUIREMENTS



ELECTRICAL LEGEND			
⊞	SINGLE POLE SWITCH	◀	OUTLET, TV/CABLE
⊞	THREE WAY SWITCH	◀	OUTLET, PHONE
⊞	OUTLET 110-115	◻	INTERCOM
⊞	OUT. 110-115, SPLIT WIRED	⊞	CHIMES
⊞	OUT. 110-115, W/ USB	⊞	SMOKE DETECTOR/SMOKE ALARM W/INTEGRATED SOUNDER BASE
⊞	OUT. 110-115, CLG. MOUNT.	⊞	CARBON MONOXIDE
⊞	OUT. 110-115, FLR. MOUNT.	⊞	PUSH BUTTON
⊞	SPCL. PURPOSE 220-240	⊞	EXHAUST FAN
⊞	LIGHT FIXT., CLG. MTD.	⊞	EX. FAN/LIGHT COMBO
⊞	LIGHT FIXT., WALL MTD.	⊞	DISPOSAL
⊞	LED LIGHT FIXT., RECESSED	⊞	ELECTRICAL PANEL
⊞	LIGHT FIXT., REC. ADJUST.	⊞	CEILING FAN, PREWIRED
⊞	LIGHT FIXT., FULL CHAIN	⊞	CEILING FAN, INSTALL
⊞	LED LIGHT FIXT., FLUORESCENT	⊞	ELECT. JUNCTION BOX
⊞	LIGHT FIXT., EXT. FLOODS	⊞	THERMOSTAT
⊞	LIGHT FIXT., EMERG. EXIT	⊞	DISCONNECT SWITCH
⊞	LIGHT FIXT., EXIT/BACKUP	⊞	ELEC. POWER METER

**ELECTRICAL PLAN "C"**

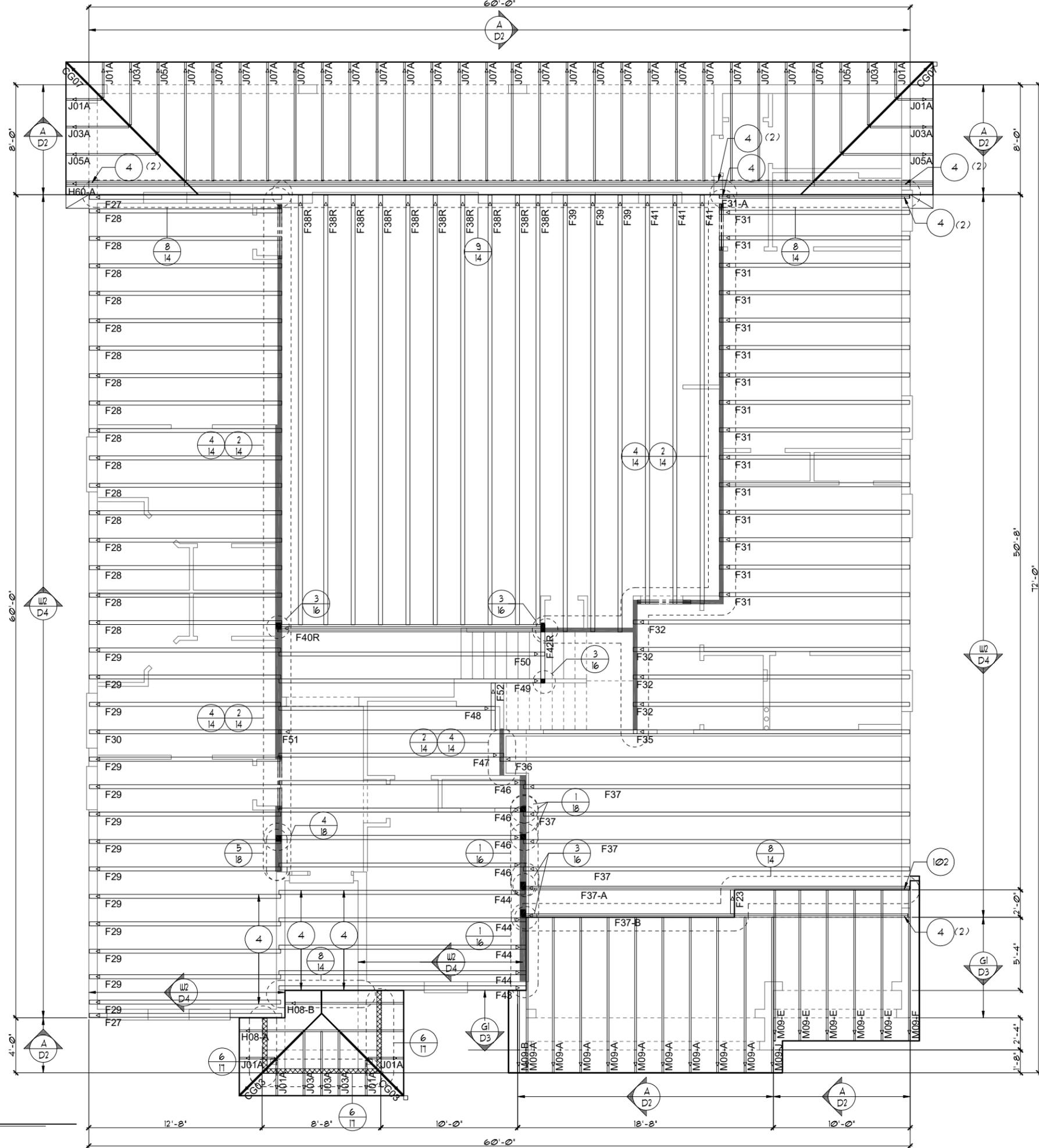
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WATERFALL	PARADISO GRANDE
6374	DATE 04-09-21
SCALE AS NOTED	DRAWN RDC
JOB 6374	SHEET 10C.0
SHEET 10C.0	OF SHEETS

- NOTES**
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  - TYPICAL ROOF EAVES OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
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    - O-HAGIN - 1' x 19" HOLE
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**TRUSS LAYOUT "A"**  
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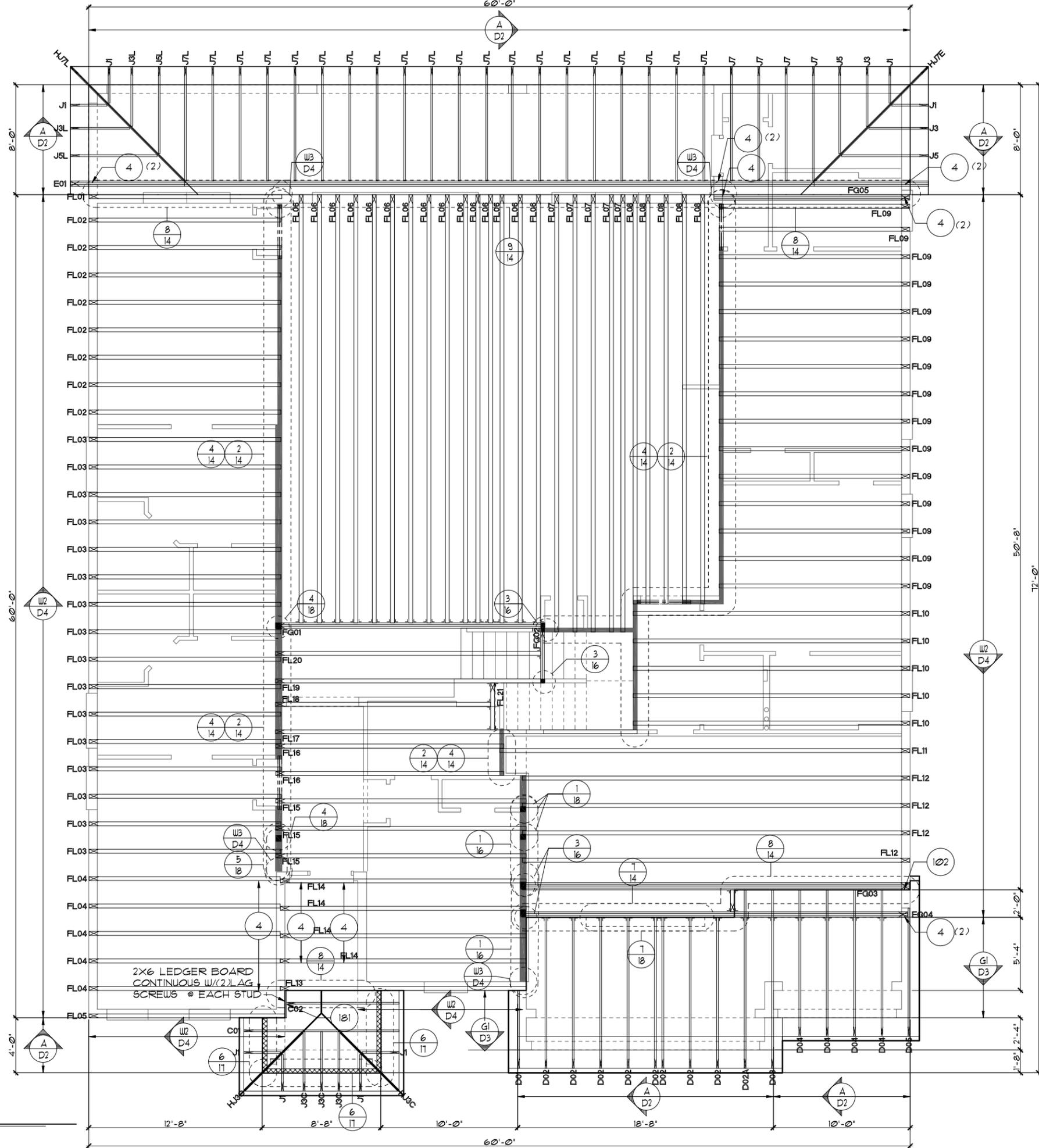
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 TRUSS LAYOUT "A"

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  9. TILE ROOF TO BE INSTALLED IAW FBCR 2023, 8TH EDITION ASTM C1492-R305.3.5



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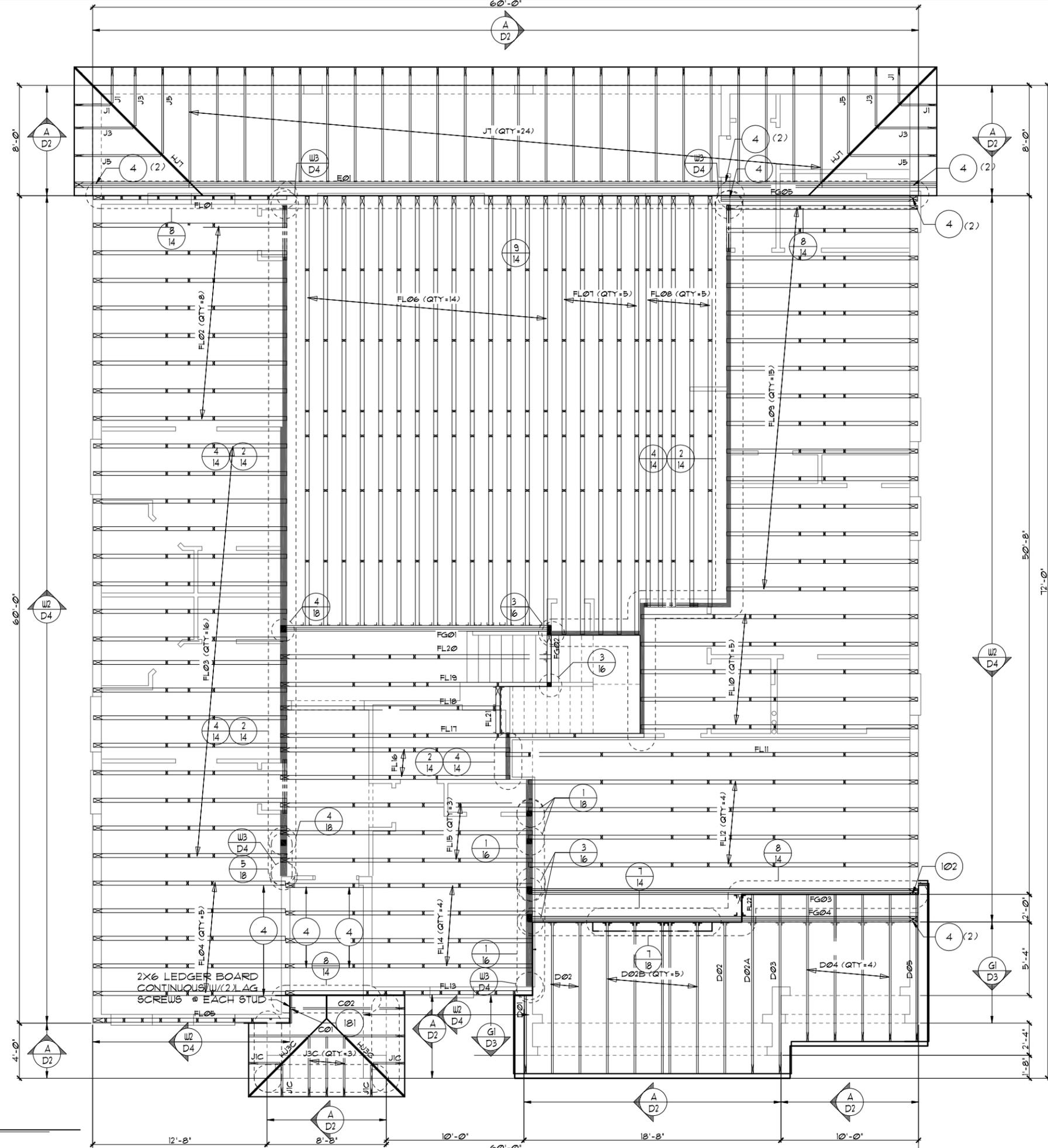
**Park Square HOMES**

**TRUSS LAYOUT "A"**

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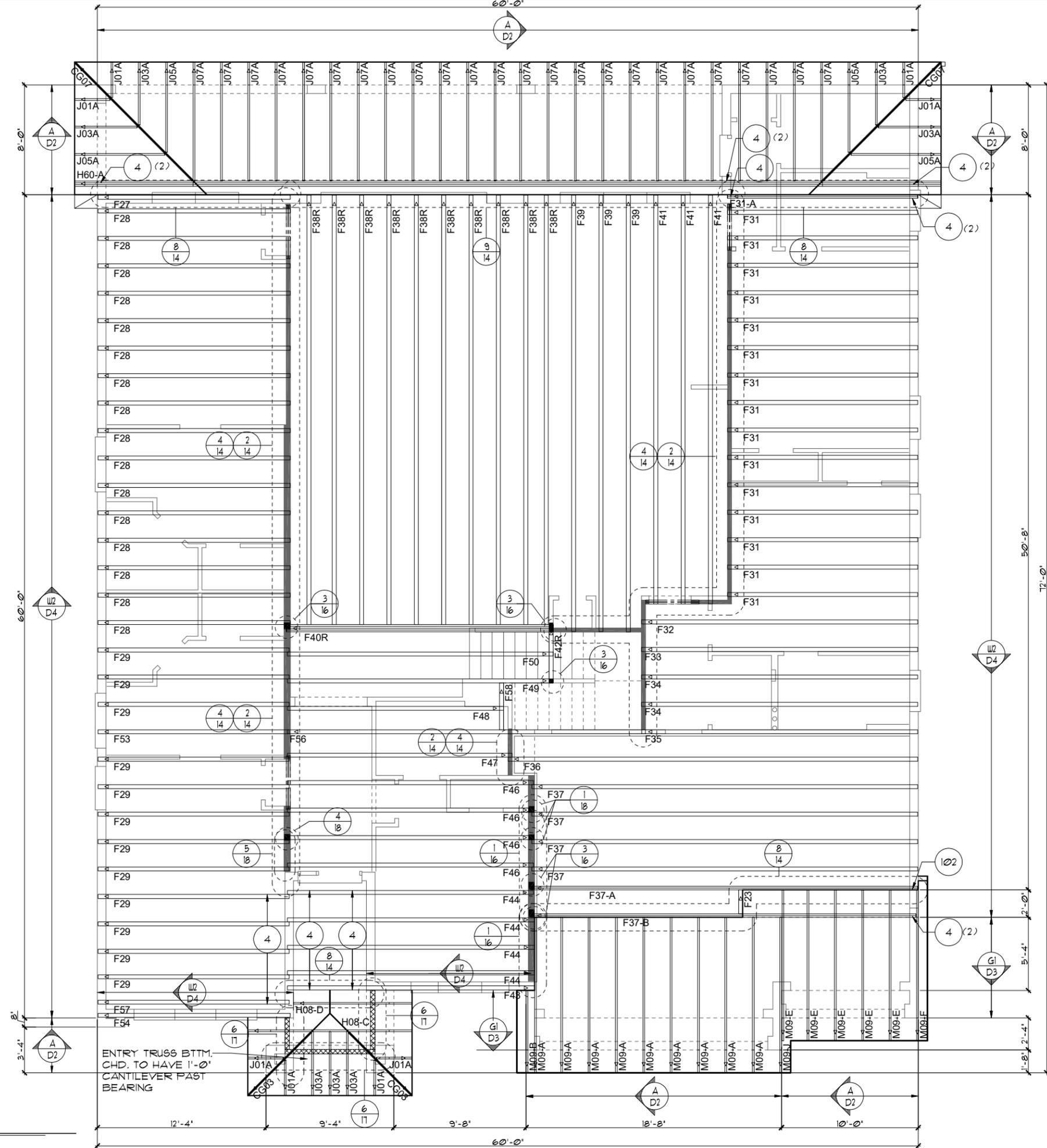
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**TRUSS LAYOUT "A"**

**WATERFALL PARADISO GRANDE**

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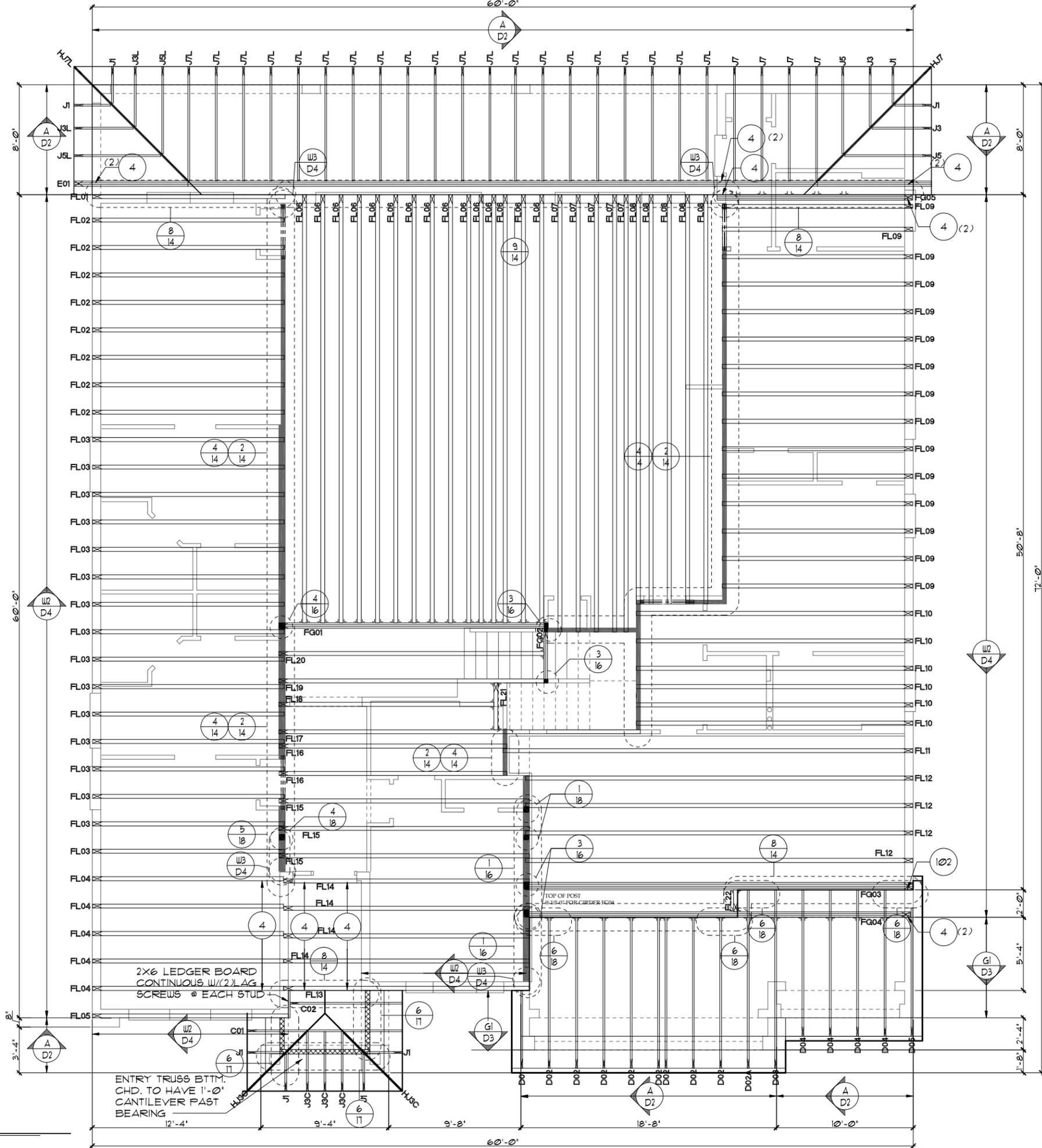
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**WATERFALL**  
**PARADISO GRANDE**

**TRUSS LAYOUT "B"**

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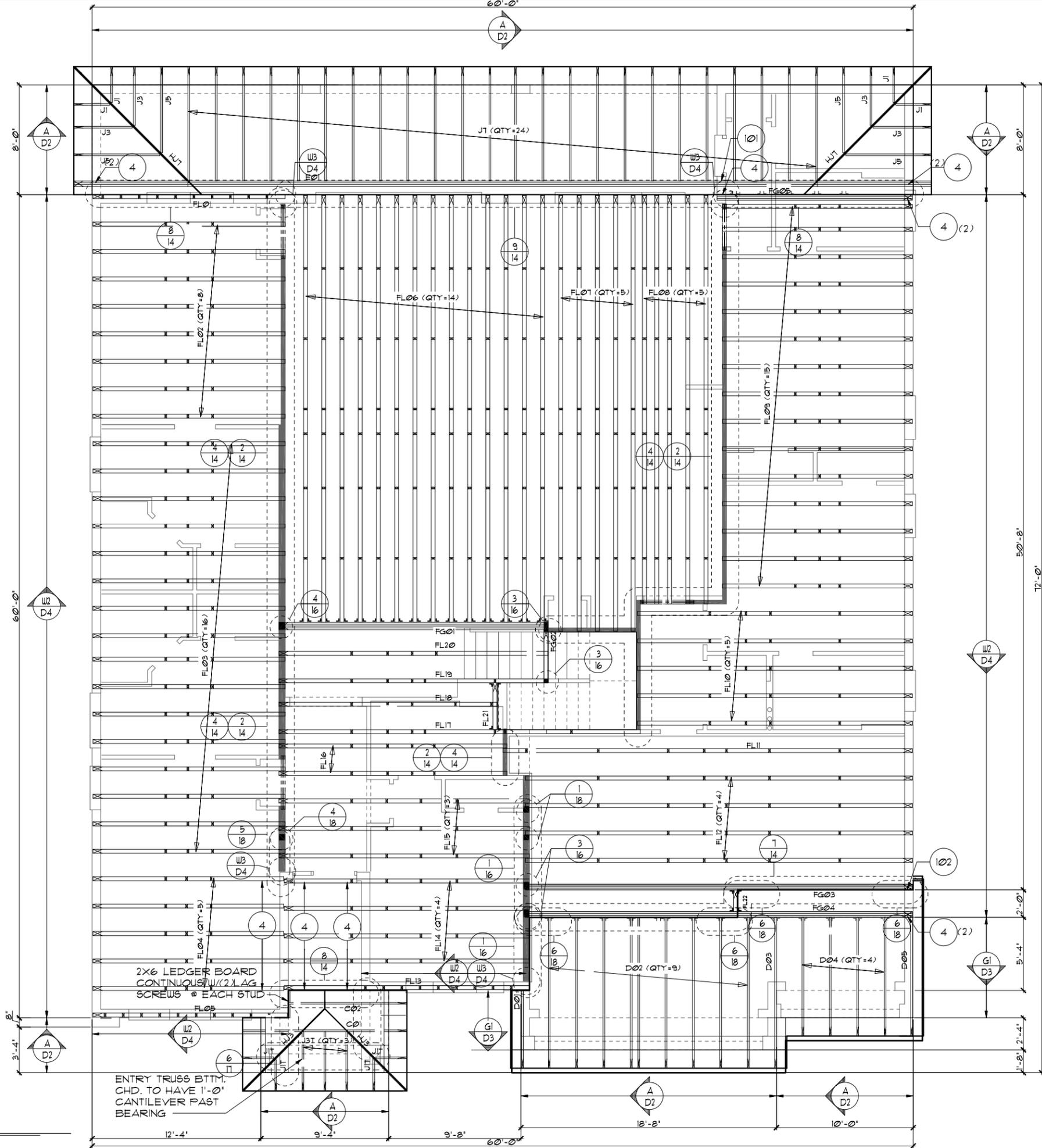
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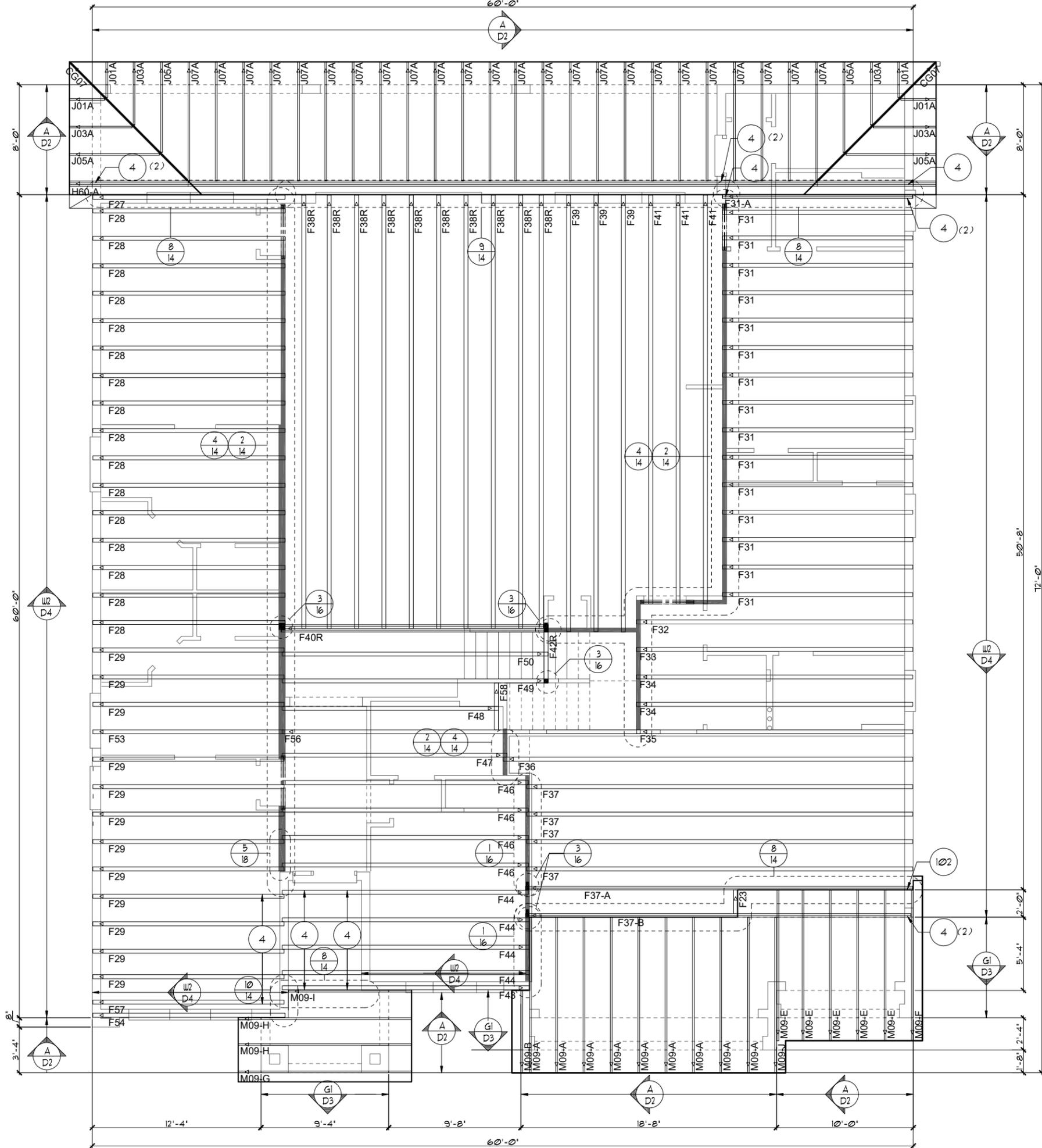
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<p>6374</p>	<p>DATE 04-09-21</p>
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<p>JOB 6374</p>	<p>SHEET 11B.0</p>
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**Park Square**  
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  9. TILE ROOF TO BE INSTALLED IAW FBCR 2020, 11TH EDITION ASTM C1492-R305.3.5



**TRUSS LAYOUT "C"**  
 1/8" = 1'-0" (11X17) 1/4" = 1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**LOT: 0000, WATERSONG**

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	
OF SHEETS	11C.0

**WATERFALL  
PARADISO GRANDE**

**TRUSS LAYOUT "C"**

**Park Square  
HOMES**

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

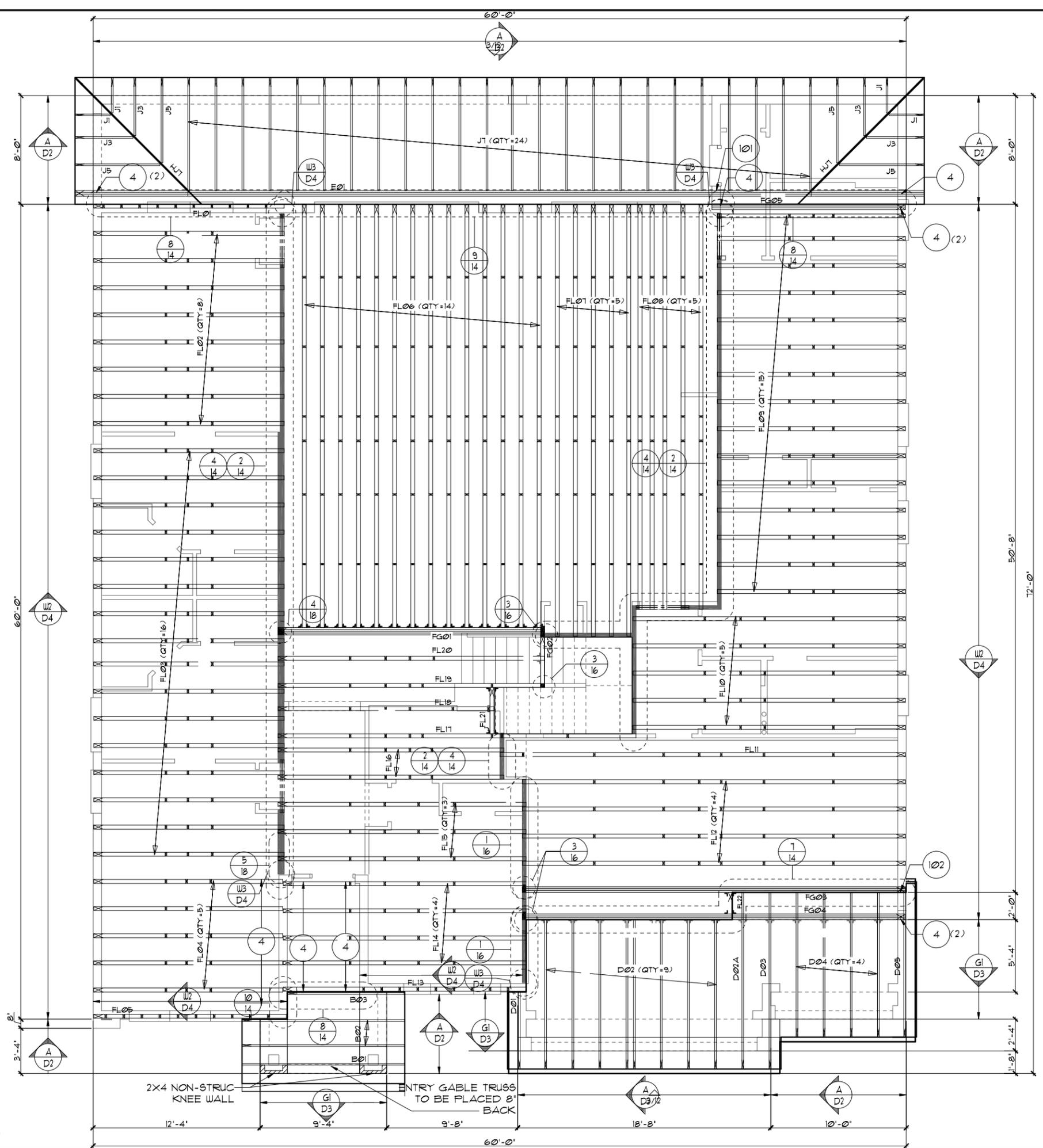
**ITEG**  
 THOMPSON ENGINEERING GROUP, INC.  
 10000 Lake Nona Blvd., Suite 100  
 Lake Nona, FL 32157  
 Tel: (407) 734-1400  
 Fax: (407) 734-1700  
 www.iteg.com

REVISIONS	BY



**NOTES**

1. TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
2. TYPICAL ROOF EAVES OVERHANG TO BE 12" 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 THE 8TH EDITION (2023) FLORIDA RESIDENTIAL CODE.
4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZED BY TRUSS MANUFACTURER OR FL. REG. ENG.
5. TRUSSES SHALL BE BRACED TO PREVENT ROTATION & PROVIDE LATERAL STABILITY IN 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 TPI/WTC A BC91.1.
6. REFER TO TRUSS MANUFACTURER'S DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
7. TILE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2023, 8TH EDITION R305.3.3. 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 R305.1.1. Underlayment shall be applied and attached in accordance with Table R305.1.1.
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**LOT: 0000, WATERSONG**

**WATERFALL  
PARADISO GRANDE**

**6374**

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 6374

SHEET

**11C.0**  
OF SHEETS

REVISIONS	BY

**ITEG**  
HOBBS ENGINEERING GROUP, INC.  
10000 W. BOULEVARD, SUITE 200  
ORLANDO, FLORIDA 32817  
TEL: (407) 734-1400  
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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**

TRUSS LAYOUT "C"

### ATTIC VENTILATION CALCULATIONS

PER FBC2020 11TH EDITION R306: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER PORTION (EAVES).

THE MINIMUM NET VENTILATION AREA SHALL BE 1/50 OF VENTED SPACE:

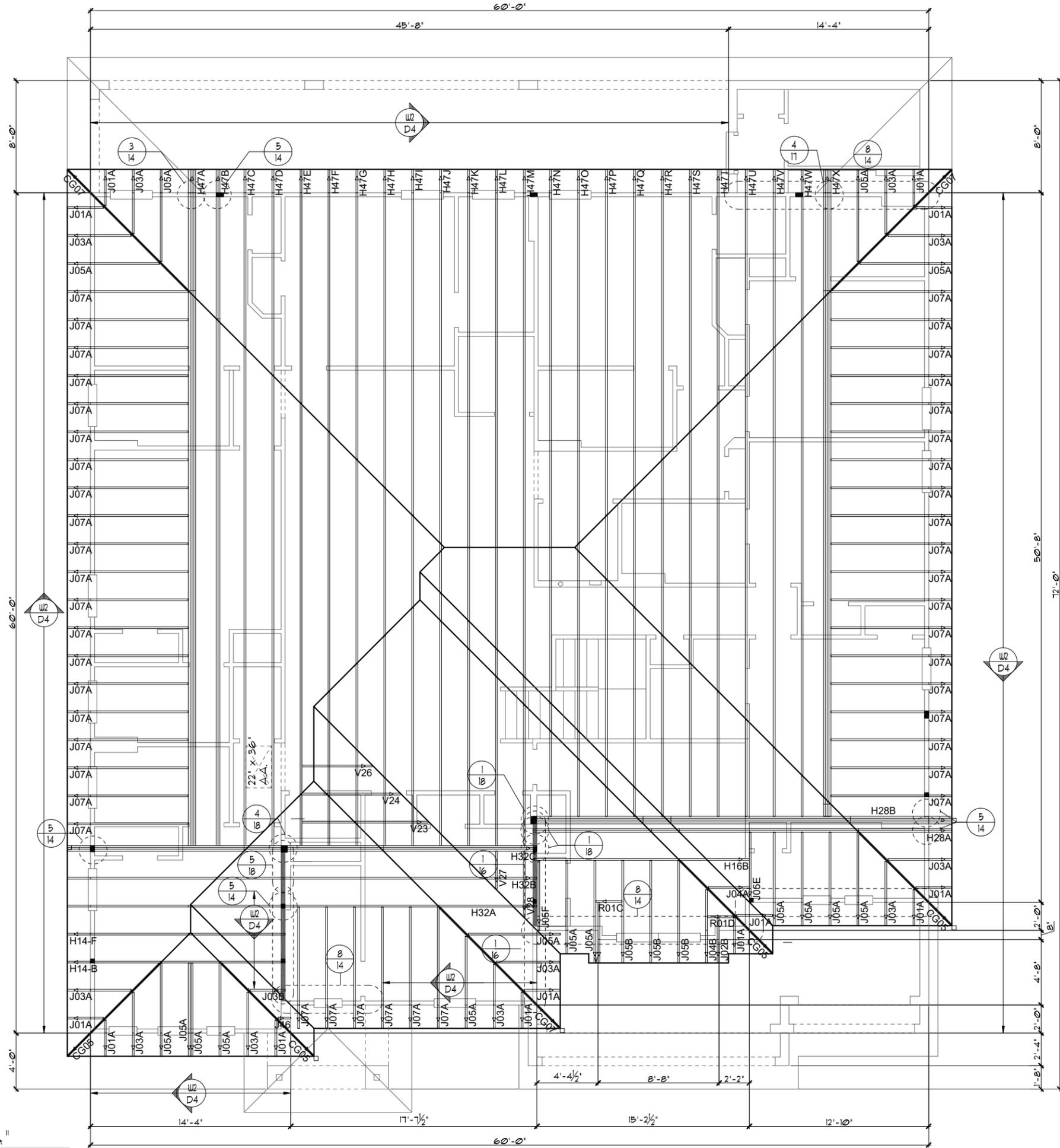
TOTAL VENTED SPACE:  $\frac{3,559S.F.}{300} = \frac{11.87S.F.}{NET FREE REQUIRED}$

UPPER PORTION VENTILATION TOTAL: **4.85S.F.**  
 PROVIDED W/OFF RIDGE VENTS: **5 VENTS @ .97S.F. /VENT.**  
 (TILE: O'HAGIN MODEL 'S', SHINGLE: LOMANCO T10-D OR MILLENNIUM METAL)

LOWER PORTION VENTILATION TOTAL: **25.83S.F.**  
 PROVIDED W/SOFFITS @ EAVE: **297L.F. @ 0.087SF VENTING/L.F.**

UPPER PORTION PERCENTAGE: **41%**  
 LOWER PORTION PERCENTAGE: **59%**

- ### NOTES
- TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
  - TYPICAL ROOF EAVES OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
  - PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC. STANDARDS AND/ OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH THE 11TH EDITION (2020) FLORIDA RESIDENTIAL CODE.
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  - OFF RIDGE VENTS MAXIMUM OPENING SIZES:
    - O'HAGIN - 1' x 19" HOLE
  - TILE ROOF TO BE INSTALLED IAW FBCR 2020, 11TH EDITION ASTM C1492-R305.3.5



**UPPER TRUSS LAYOUT "A"**  
 1/8" = 1'-0" (11X17) 1/4" = 1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

**LOT: 0000, WATERSONG**

6374

DATE 04-09-21

SCALE AS NOTED

DRAWN RBC

JOB 6374

SHEET 12A.0

OF SHEETS

**UPPER TRUSS LAYOUT "A"**

**WATERFALL PARADISO GRANDE**

**ITEG**  
 THOMPSON ENGINEERING GROUP, INC.  
 5200 VINELAND ROAD, SUITE 200  
 ORLANDO, FLORIDA 32811  
 TEL: (407) 734-1400  
 FAX: (407) 734-1700  
 WWW.ITEG.COM

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

### ATTIC VENTILATION CALCULATIONS

PER FBC2023 8TH EDITION R806: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER PORTION (EAVES).

THE MINIMUM NET VENTILATION AREA SHALL BE 1/150 OF VENTED SPACE:

TOTAL VENTED SPACE:  $\frac{3,559\text{S.F.}}{300} = \underline{11.87\text{S.F.}}$  NET FREE VENT. REQUIRED

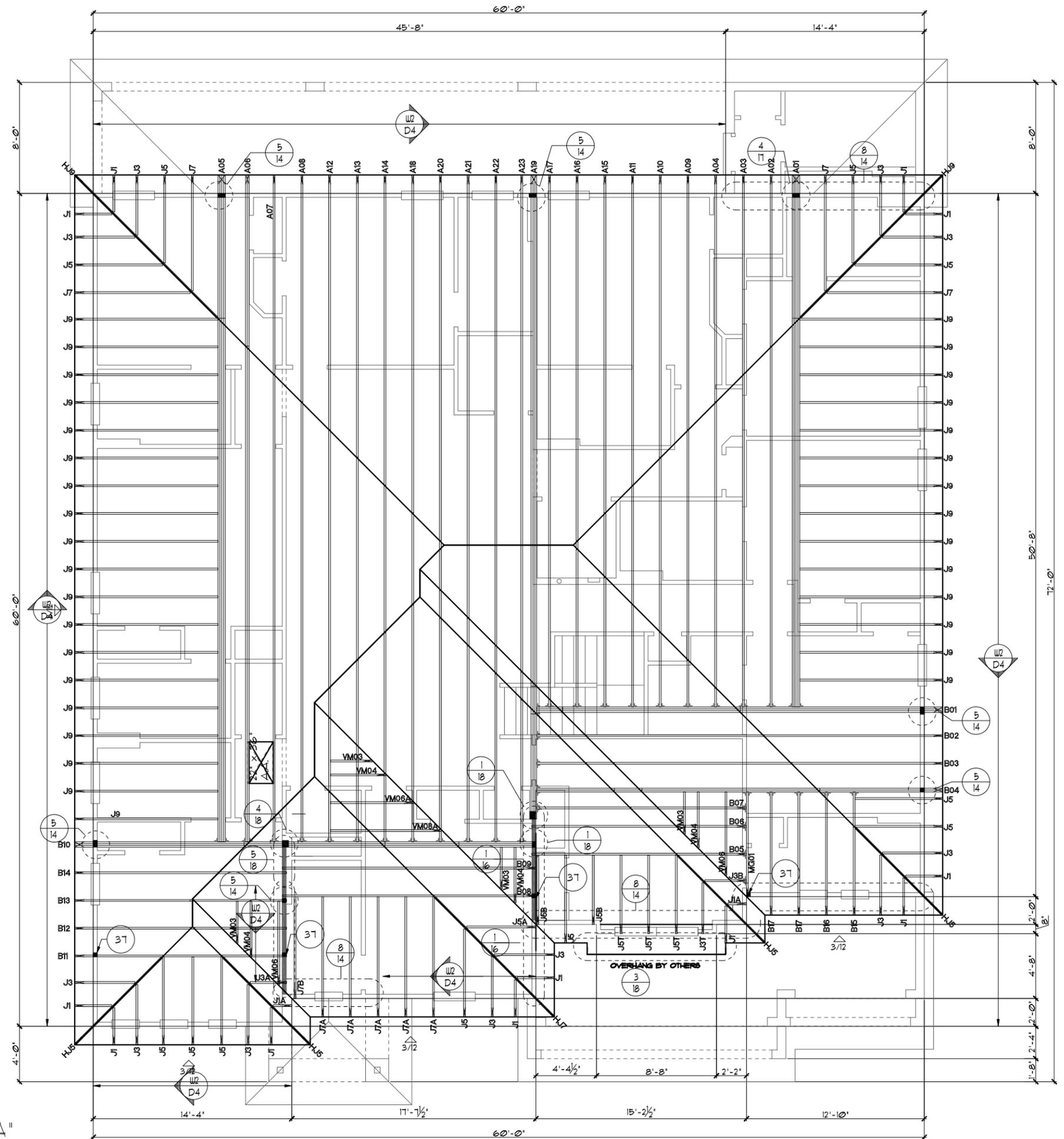
UPPER PORTION VENTILATION TOTAL: ----- 4.85S.F.  
 PROVIDED W/OFF RIDGE VENTS: 5 VENTS @ .97S.F. /VENT.  
 (VENT TYPE: O'HAGIN MODEL 'S')

LOWER PORTION VENTILATION TOTAL: ----- 25.83S.F.  
 PROVIDED W/ VENTILATED SOFFITS @ EAVE:  
 (.297L.F. @ 0.087S.F. VENTING PER L.F.)

UPPER PORTION PERCENTAGE: 41%  
 LOWER PORTION PERCENTAGE: 59%

### NOTES

- TYPICAL ROOF GABLE OVERHANG TO BE 12' UNLESS OTHERWISE NOTED.
- TYPICAL ROOF EAVES OVERHANG TO BE 12' UNLESS OTHERWISE NOTED.
- PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC. STANDARDS AND/OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH THE 8TH EDITION (2023) FLORIDA RESIDENTIAL CODE.
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- OFF RIDGE VENTS MAXIMUM OPENING SIZES:
  - O'HAGIN - 1' X 19" HOLE
- TILE ROOF TO BE INSTALLED IAW FBCR 2023, 8TH EDITION ASTM C1432-R305.3.5



UPPER TRUSS LAYOUT "A"

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THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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

UPPER TRUSS  
 LAYOUT "A"

WATERFALL	6374
PARADISO GRANDE	DATE 04-09-21
	SCALE AS NOTED
	DRAWN RDC
	JOB 6374
	SHEET
	12A.0
	OF SHEETS



### ATTIC VENTILATION CALCULATIONS

PER FBC2020 11TH EDITION R306: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER PORTION (EAVES).

THE MINIMUM NET VENTILATION AREA SHALL BE 1/150 OF VENTED SPACE:

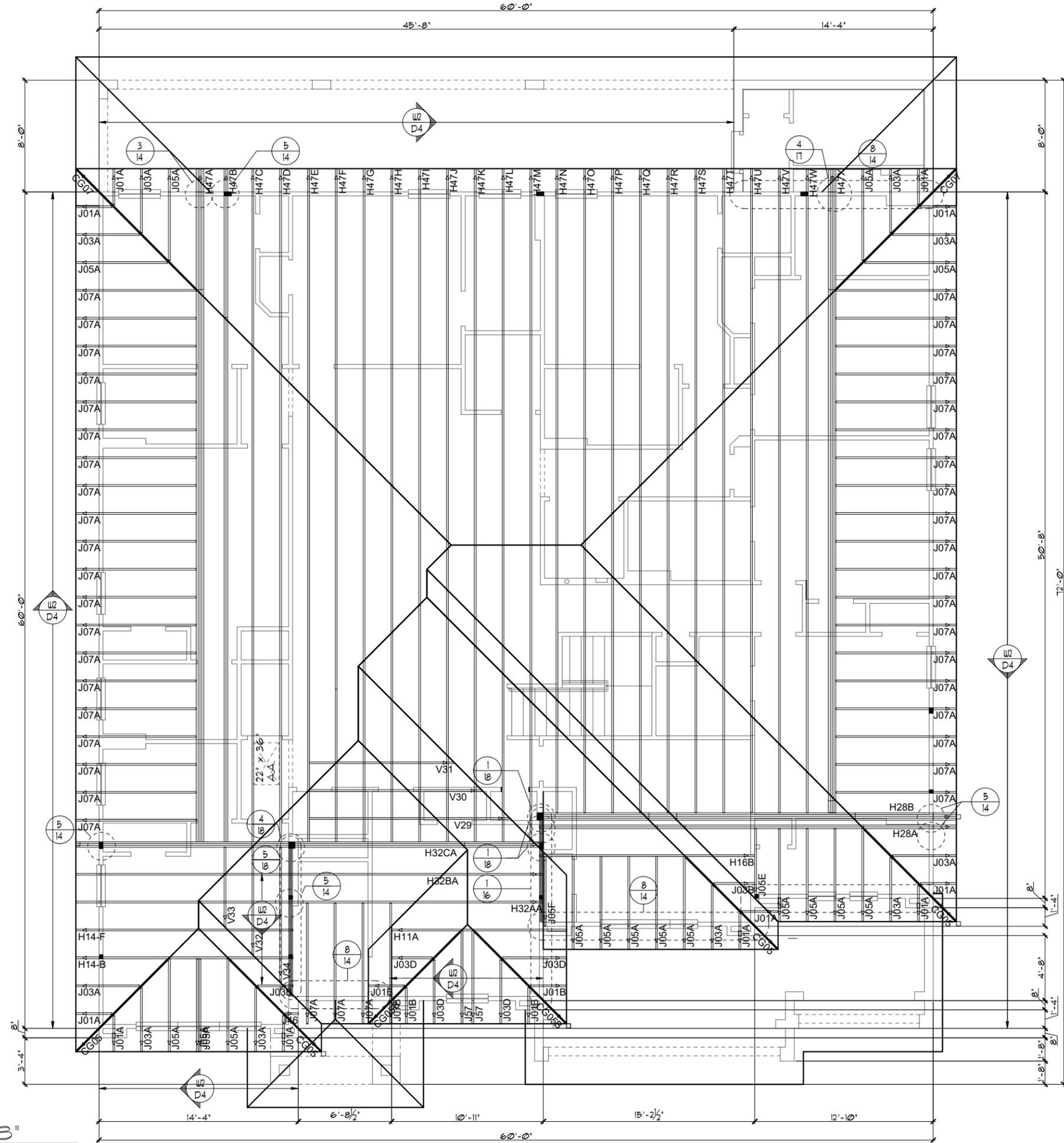
TOTAL VENTED SPACE:  $\frac{3,559S.F.}{300} = \frac{11.87S.F.}{REQUIRED}$  NET FREE

UPPER PORTION VENTILATION TOTAL: **4.85S.F.**  
 PROVIDED W/OFF RIDGE VENTS: 5 VENTS @ .978S.F. /VENT.  
 (TILE: O'HAGIN MODEL 'S', SHINGLE: LOMANCO T10-D OR MILLENNIUM METAL)

LOWER PORTION VENTILATION TOTAL: **25.83S.F.**  
 PROVIDED W/SOFFITS @ EAVE: 297L.F. @ 0.087SF VENTING/L.F.

UPPER PORTION PERCENTAGE: **41%**  
 LOWER PORTION PERCENTAGE: **59%**

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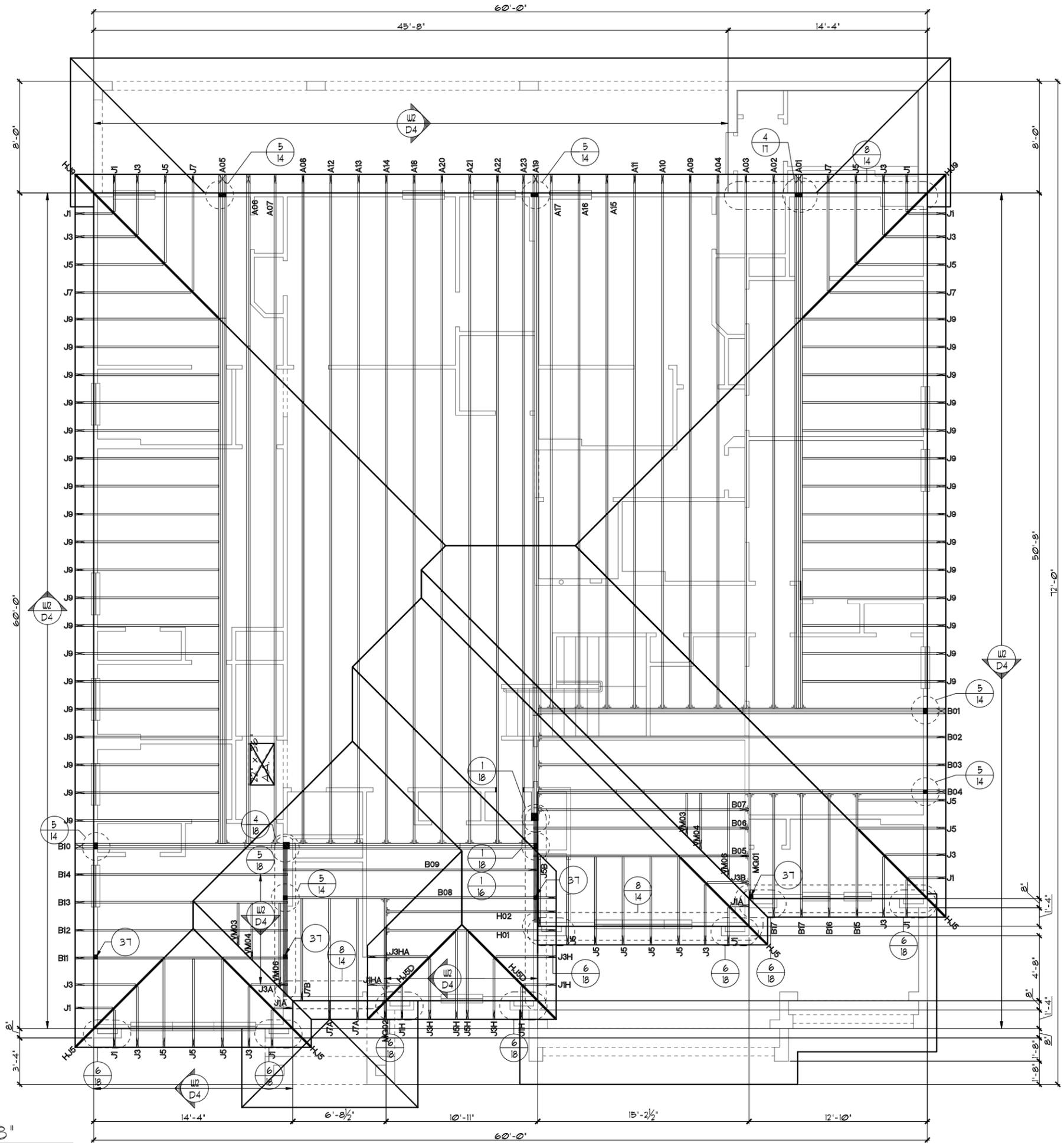
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 (VENT TYPE: O'HAGIN MODEL 'S')

LOWER PORTION VENTILATION TOTAL: ----- **25.83S.F.**  
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 (**.297L.F.** @ **0.087S.F.** VENTING PER L.F.)

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 LOWER PORTION PERCENTAGE: **59%**

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UPPER TRUSS LAYOUT "B"

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THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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REVISIONS	BY

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 5200 Vineland Road, Suite 200  
 Orlando, Florida, 32811  
 Phone: (407) 529-3000

**Park Square HOMES**

UPPER TRUSS  
 LAYOUT "B"

WATERFALL  
 PARADISO GRANDE

6374  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET  
**12B.0**  
 OF SHEETS

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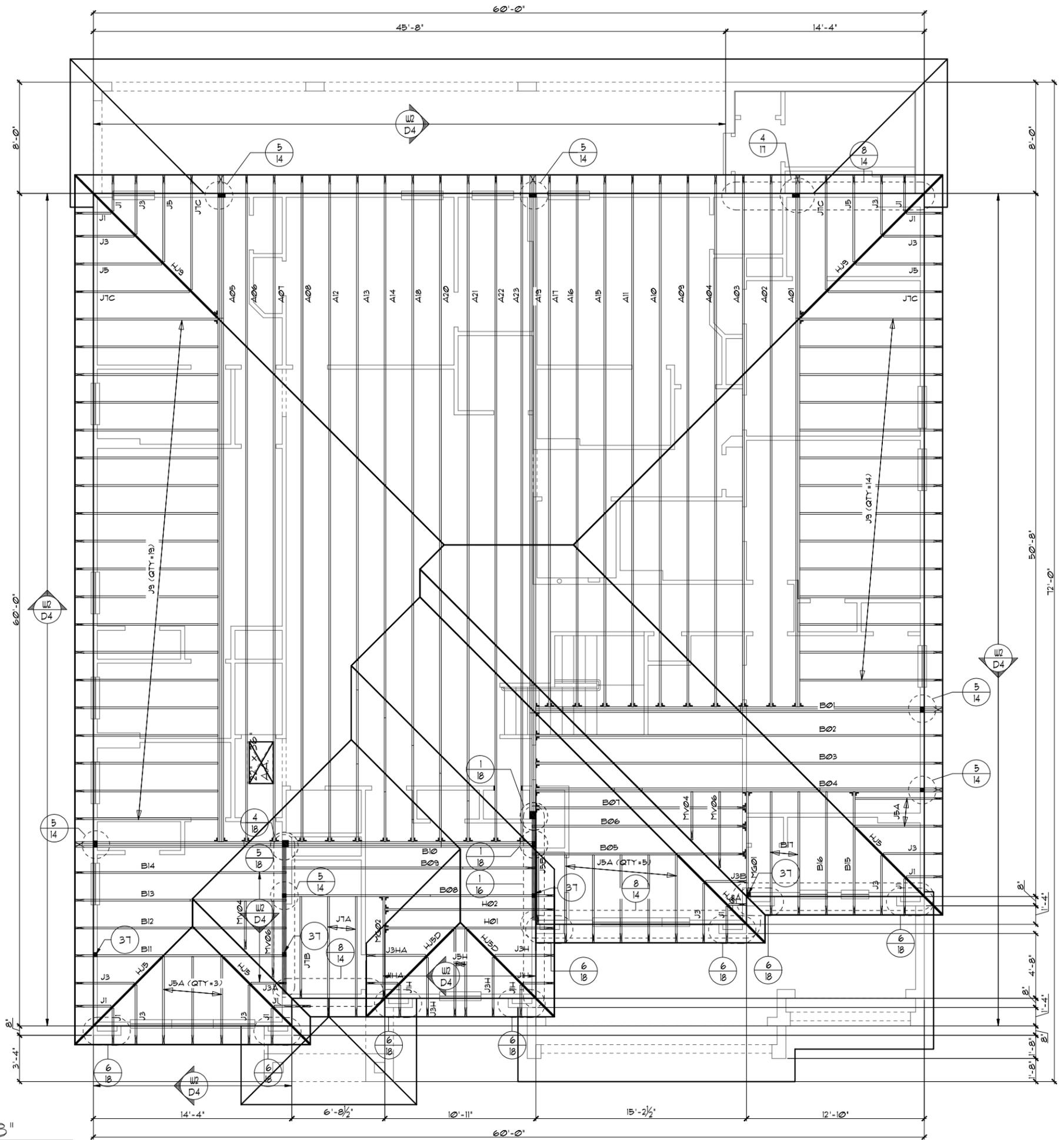
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LOT: 0000, WATERSONG  
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<b>ITEG</b> ITC ENGINEERING GROUP, INC. 5200 Vineland Road, Suite 200 Orlando, Florida, 32811 Tel: (407) 734-1400 Fax: (407) 734-1700 www.iteg.com	
A DIVISION OF PARK SQUARE ENTERPRISES, INC. 5200 Vineland Road, Suite 200 Orlando, Florida, 32811 Phone: (407) 529-3000	REVISIONS BY
WATERFALL PARADISO GRANDE	UPPER TRUSS LAYOUT "B"
6374	DATE 04-09-21
SCALE AS NOTED	DRAWN RDC
SHEET 12B.0	JOB 6374
OF SHEETS	SHEET

### ATTIC VENTILATION CALCULATIONS

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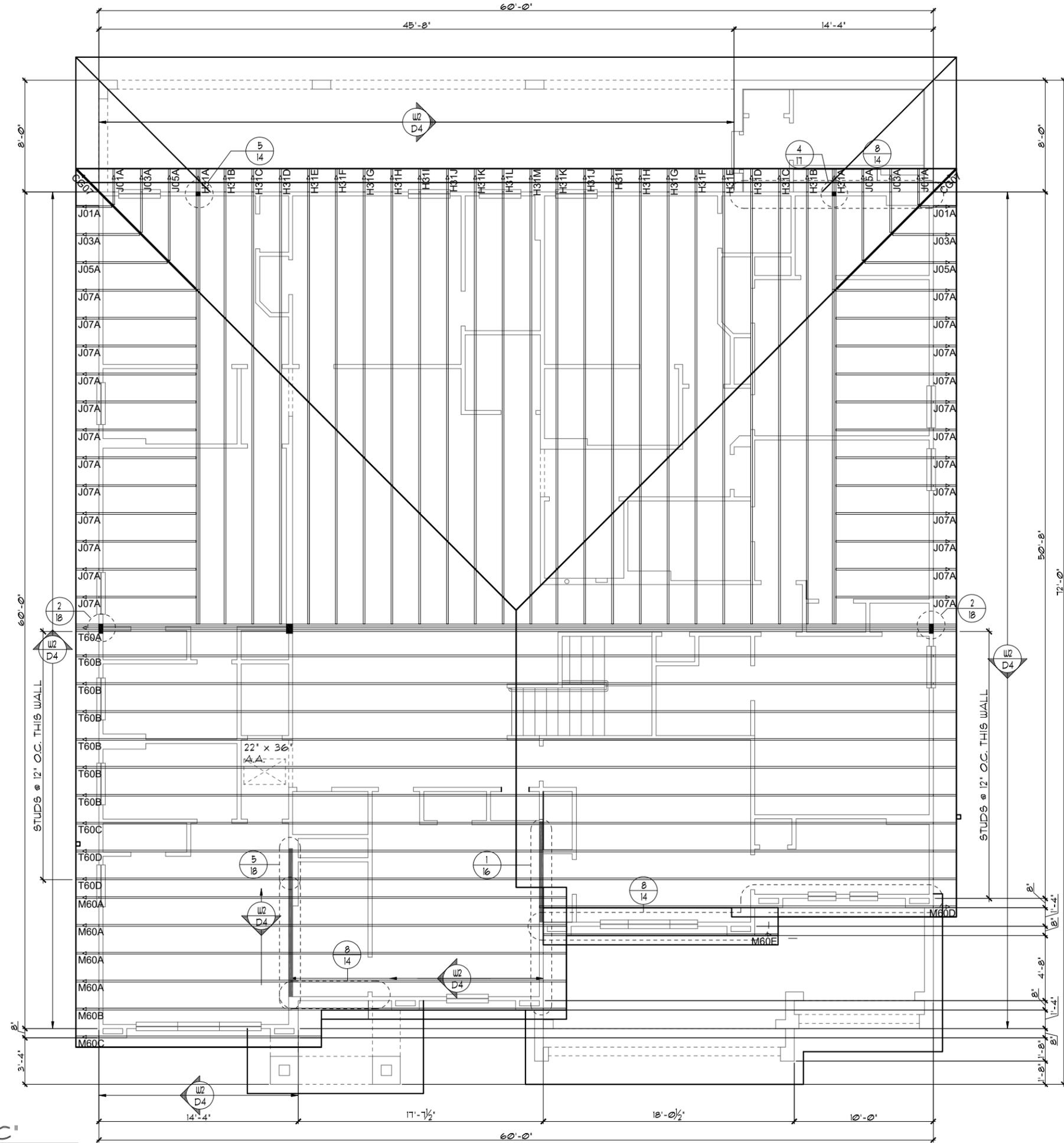
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- ### NOTES
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THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

<p><b>WATERFALL</b></p> <p><b>PARADISO GRANDE</b></p> <p style="font-size: 2em; font-weight: bold;">6374</p> <p>DATE 04-09-21</p> <p>SCALE AS NOTED</p> <p>DRAWN RBC</p> <p>JOB 6374</p> <p>SHEET</p> <p style="font-size: 1.5em; font-weight: bold;">12C.0</p> <p>OF SHEETS</p>	<p><b>UPPER TRUSS</b></p> <p><b>LAYOUT "C"</b></p>
--	--

**Park Square HOMES**

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

REVISIONS	BY

IITEG  
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 10000 W. Colonial Blvd., Suite 100  
 Orlando, FL 32817  
 Tel: (407) 734-1400  
 Fax: (407) 734-1700  
 www.iiteg.com

### ATTIC VENTILATION CALCULATIONS

PER FBC2023 8TH EDITION R306: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER PORTION (EAVES).

THE MINIMUM NET VENTILATION AREA SHALL BE 1/150 OF VENTED SPACE:

TOTAL VENTED SPACE:  $\frac{3,559\text{S.F.}}{300} = \underline{11.87\text{S.F.}}$  NET FREE VENT. REQUIRED

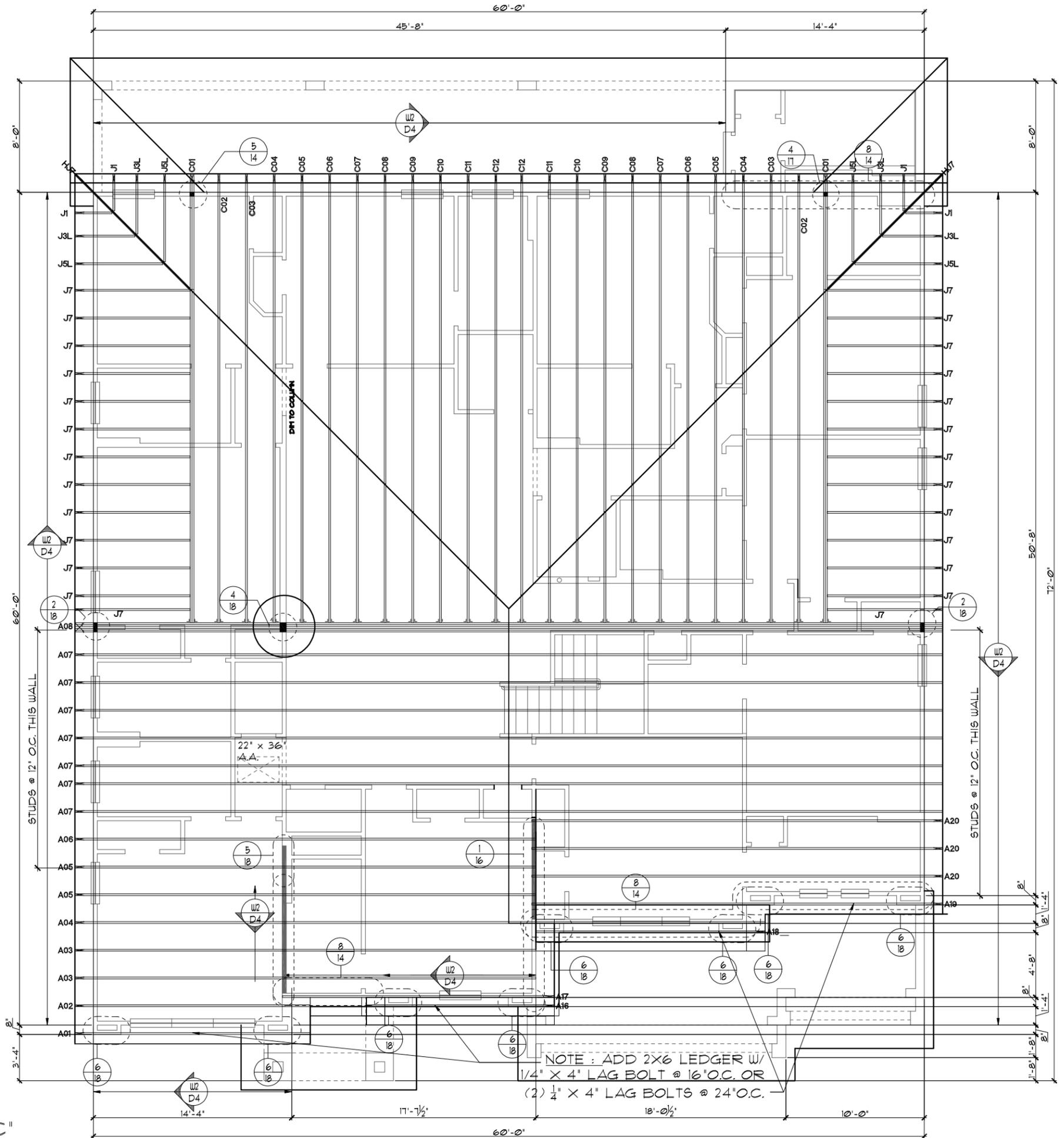
UPPER PORTION VENTILATION TOTAL: ----- 4.85S.F.  
 PROVIDED W/OFF RIDGE VENTS: 5 VENTS @ .97S.F. /VENT.  
 (VENT TYPE: O'HAGIN MODEL 'S')

LOWER PORTION VENTILATION TOTAL: ----- 25.83S.F.  
 PROVIDED W/ VENTILATED SOFFITS @ EAVE:  
 (.297L.F. @ 0.087S.F. VENTING PER L.F.)

UPPER PORTION PERCENTAGE: 41%  
 LOWER PORTION PERCENTAGE: 59%

### NOTES

- TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- TYPICAL ROOF EAVES OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC. STANDARDS AND/OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH THE 8TH EDITION (2023) FLORIDA RESIDENTIAL CODE.
- ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZED BY TRUSS MANUFACTURER OR FL. REG. ENG.
- TRUSSES SHALL BE BRACED TO PREVENT ROTATION & PROVIDE LATERAL STABILITY IN 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 TPI/WTCA BCS1.1.
- REFER TO TRUSS MANUFACTURER'S DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
- TILE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2023, 8TH EDITION R305.3.3. Underlayment materials required to comply with ASTM D226, D1910, D4869 and D6757 shall bear a label indicating compliance to the standard designation and, if applicable, type classification indicated in Table R305.1.1. Underlayment shall be applied and attached in accordance with Table R305.1.1.
- OFF RIDGE VENTS MAXIMUM OPENING SIZES:
  - O-HAGIN - 1' X 19" HOLE
- TILE ROOF TO BE INSTALLED IAW FBCR 2023, 8TH EDITION ASTM C1432-R305.3.5



UPPER TRUSS LAYOUT "C"

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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

**Park Square HOMES**  
 UPPER TRUSS LAYOUT "C"

WATERFALL  
 PARADISO GRANDE

6374  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET  
 12 OF 30 SHEETS

### ATTIC VENTILATION CALCULATIONS

PER FBC2023 8TH EDITION R306: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER PORTION (EAVES).

THE MINIMUM NET VENTILATION AREA SHALL BE 1/150 OF VENTED SPACE:

TOTAL VENTED SPACE:  $\frac{3,559\text{S.F.}}{300} = \underline{11.87\text{S.F.}}$  NET FREE VENT. REQUIRED

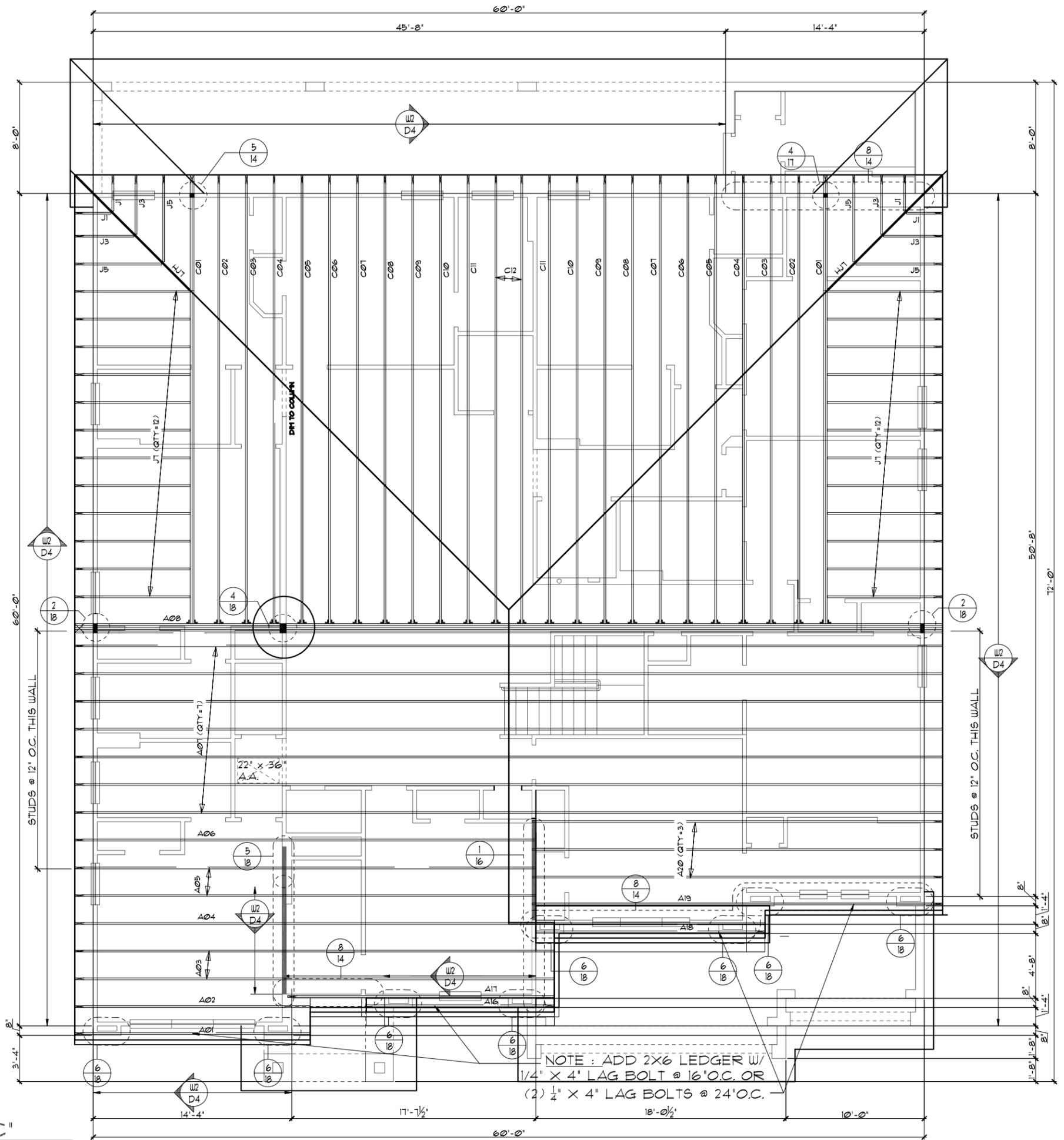
UPPER PORTION VENTILATION TOTAL:----- 4.85S.F.  
 PROVIDED W/OFF RIDGE VENTS: 5 VENTS @ .97S.F. /VENT.  
 (VENT TYPE: O'HAGIN MODEL 'S')

LOWER PORTION VENTILATION TOTAL:----- 25.83S.F.  
 PROVIDED W/ VENTILATED SOFFITS @ EAVE:  
 (.297L.F. @ 0.087S.F. VENTING PER L.F.)

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### NOTES

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2. TYPICAL ROOF EAVES OVERHANG TO BE 12" 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 THE 8TH EDITION (2023) FLORIDA RESIDENTIAL CODE.
4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZED BY TRUSS MANUFACTURER OR FL. REG. ENG.
5. TRUSSES SHALL BE BRACED TO PREVENT ROTATION & PROVIDE LATERAL STABILITY IN 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 TPI/WTCA BC91.1.
6. REFER TO TRUSS MANUFACTURER'S DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
7. TILE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2023, 8TH EDITION R305.3.3. Underlayment materials required to comply with ASTM D226, D1910, D4869 and D6751 shall bear a label indicating compliance to the standard designation and, if applicable, type classification indicated in Table R305.1.1. Underlayment shall be applied and attached in accordance with Table R305.1.1.
8. OFF RIDGE VENTS MAXIMUM OPENING SIZES :  
 • O-HAGIN - 1' X 19" HOLE
9. TILE ROOF TO BE INSTALLED IAW FBCR 2023, 8TH EDITION ASTM C1432-R305.3.5



UPPER TRUSS LAYOUT "C"

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8TH EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

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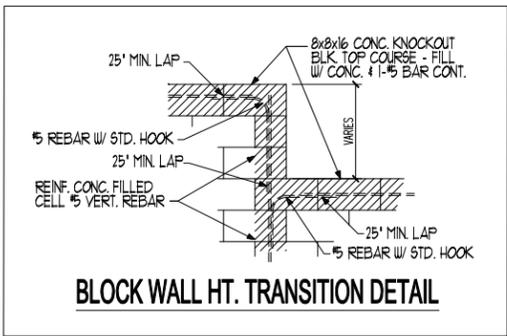
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UPPER TRUSS LAYOUT "C"

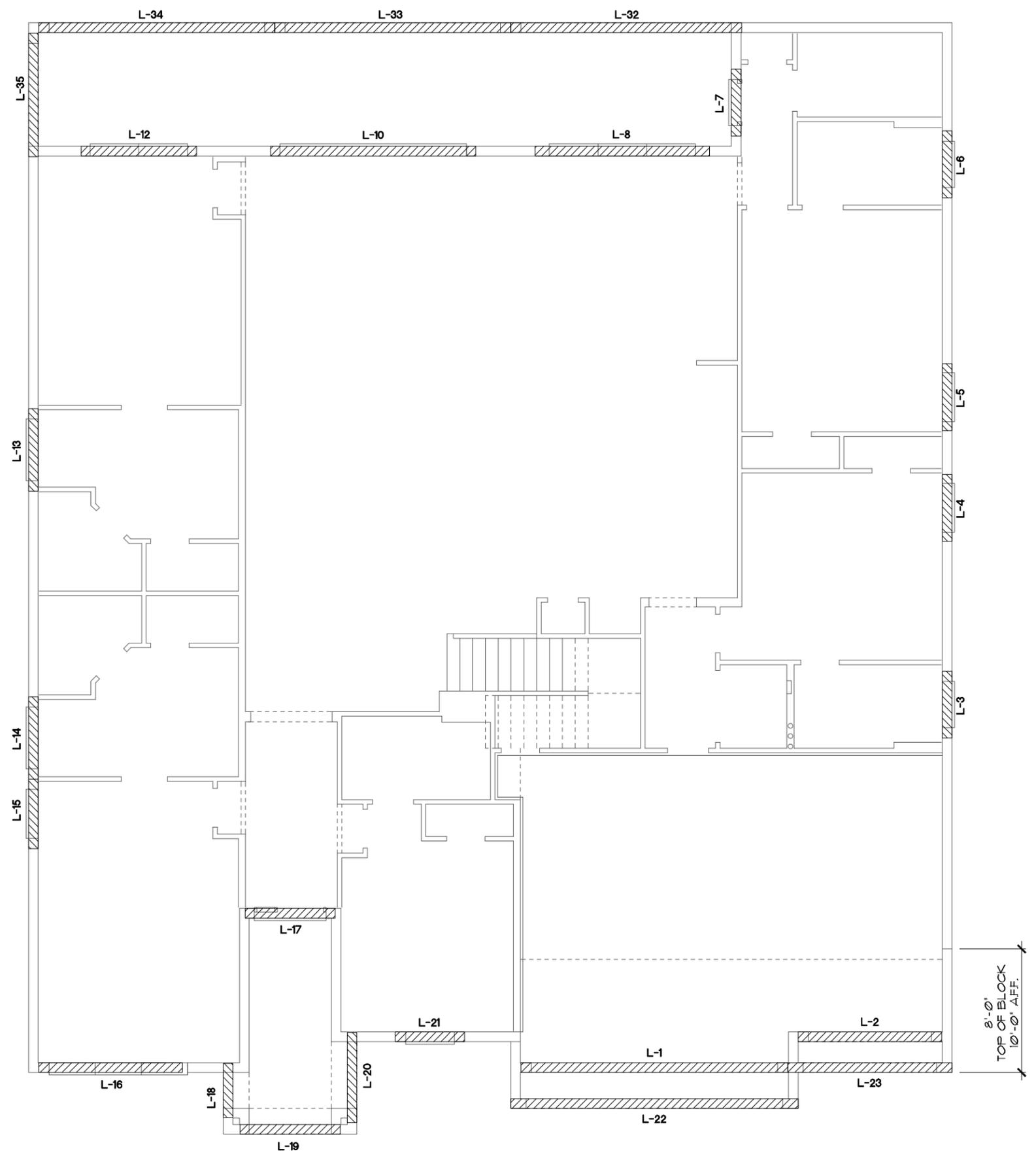
WATERFALL	6374
PARADISO GRANDE	DATE 04-09-21
	SCALE AS NOTED
	DRAWN RDC
	JOB 6374
	SHEET
	12C.0
	OF SHEETS



**CAST CRETE / LOTT'S / WEKIWA / FLORIDA ROCK PRE CAST LINTEL SCHEDULE**

LINTEL NO.	LENGTH	TYPE	COMMENTS
L-1	17'-4"	8F30-1B/IT	GARAGE DOOR
L-2	9'-4"	8F30-1B/IT	GARAGE DOOR
L-3	4'-6"	8F36-0B/IT	3/0X1/0 F.G.
L-4	4'-6"	8F36-0B/IT	SH26
L-5	4'-6"	8F36-0B/IT	SH26
L-6	4'-6"	8F36-0B/IT	3/0X1/0 F.G.
L-7	4'-4"	8RF44-0B/IT	2600 1-LITE DR.
L-8	11'-4"	8F36-0B/IT	(3) SH26
L-9			
L-10	13'-4"	8F48-0B/IT	12/0X8/0 SGD.
L-11			
L-12	7'-6"	8F36-0B/IT	FR SH26
L-13	5'-4"	8F36-0B/IT	4/0X1/0 F.G.
L-14	5'-4"	8F36-0B/IT	4/0X1/0 F.G.
L-15	4'-6"	8F36-0B/IT	SH26
L-16	9'-4"	8F36-0B/IT	(3) 3/0X6/0 F.G.
L-17	5'-10"	8RF44-0B/IT	FRONT DOOR
L-18	3'-6"	824-0B/IT	FRONT ENTRY
L-19	6'-6"	824-0B/IT	FRONT ENTRY
L-20	5'-10"	824-0B/IT	FRONT ENTRY
L-21	4'-6"	8F36-0B/IT	SH26
L-22	18'-8"	8F24-1B/IT	GARAGE ENTRY
L-23	10'-6"	8F24-0B/IT	GARAGE ENTRY
L-24			
L-25			
L-26			
L-27			
L-28			
L-29			
L-30			
L-31			
L-32	15'-0"	8F16-1B/IT	REAR LANAI
L-33	15'-4"	8F16-1B/IT	REAR LANAI
L-34	15'-4"	8F16-1B/IT	REAR LANAI
L-35	8'-0"	8F16-1B/IT	REAR LANAI
L-36			
L-37			
L-38			
L-39			
L-40			

**PRE CAST LINTEL LAYOUT "A"**  
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

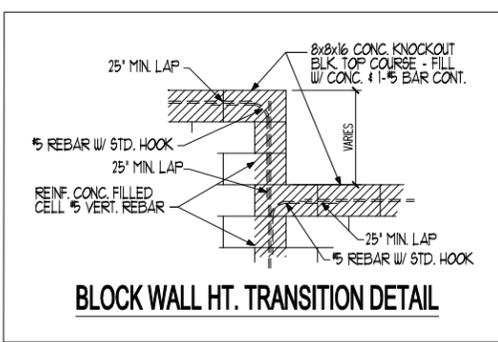


THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2003 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

LOT: 0000, WATERSONG

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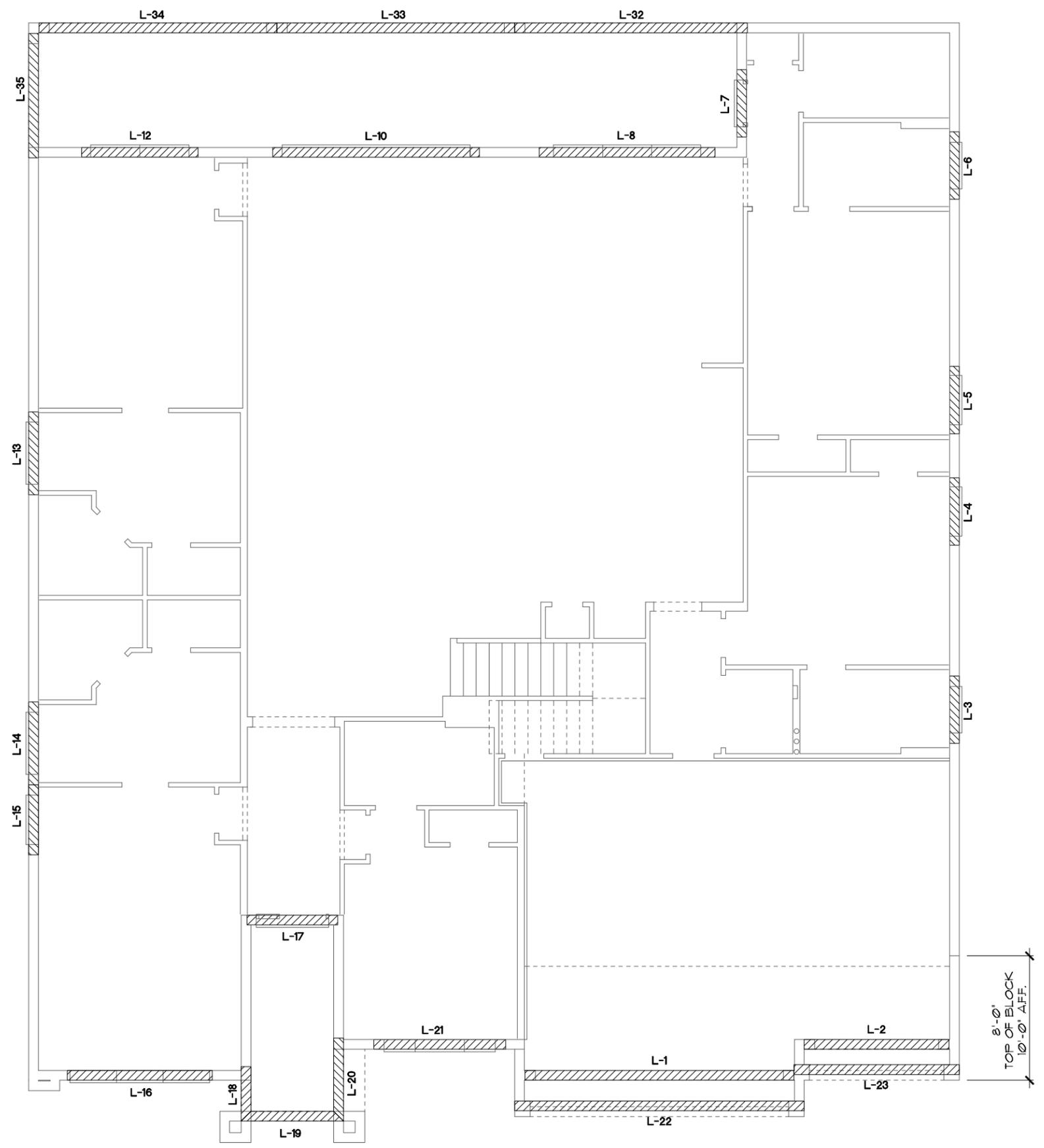
 A DIVISION OF PARK SQUARE ENTERPRISES, INC. 5200 Vineland Road, Suite 200 Orlando, Florida, 32811 Phone: (407) 529 - 3000		REVISIONS BY
<b>Park Square HOMES</b>		PRE CAST LINTEL LAYOUT WATERFALL PARADISO GRANDE
6374		DATE 04-09-21
SCALE AS NOTED		DRAWN RDC
JOB 6374		SHEET 13A.0 OF SHEETS



**CAST CRETE / LOTT'S / WEKIWA / FLORIDA ROCK PRE CAST LINTEL SCHEDULE**

LINTEL NO.	LENGTH	TYPE	COMMENTS
L-1	17'-4"	8F30-1B/IT	GARAGE DOOR
L-2	9'-4"	8F30-1B/IT	GARAGE DOOR
L-3	4'-6"	8F36-0B/IT	3/0X1/0 F.G.
L-4	4'-6"	8F36-0B/IT	SH26
L-5	4'-6"	8F36-0B/IT	SH26
L-6	4'-6"	8F36-0B/IT	3/0X1/0 F.G.
L-7	4'-4"	8RF44-0B/IT	2600 1-LITE DR.
L-8	11'-4"	8F36-0B/IT	(3) SH26
L-9			
L-10	13'-4"	8F48-0B/IT	12/0X8/0 S.G.D.
L-11			
L-12	7'-6"	8F36-0B/IT	FR. SH26
L-13	5'-4"	8F36-0B/IT	4/0X1/0 F.G.
L-14	5'-4"	8F36-0B/IT	4/0X1/0 F.G.
L-15	4'-6"	8F36-0B/IT	SH26
L-16	9'-4"	8F36-0B/IT	(3) 3/0X6/0 F.G.
L-17	5'-10"	8RF44-0B/IT	FRONT DOOR
L-18	3'-6"	8F8-0B/IT	FRONT ENTRY
L-19	6'-6"	8F8-0B/IT	FRONT ENTRY
L-20	5'-4"	8F8-0B/IT	FRONT ENTRY
L-21	8'-6"	8F36-0B/IT	(1) SH26, (2) 2/0X6/0 F.G.
L-22	10'-8"	8F24-1B/IT	GARAGE ENTRY
L-23	10'-6"	8F24-0B/IT	GARAGE ENTRY
L-24			
L-25			
L-26			
L-27			
L-28			
L-29			
L-30			
L-31			
L-32	15'-0"	8F16-1B/IT	REAR LANAI
L-33	15'-4"	8F16-1B/IT	REAR LANAI
L-34	15'-4"	8F16-1B/IT	REAR LANAI
L-35	8'-0"	8F16-1B/IT	REAR LANAI
L-36			
L-37			
L-38			
L-39			
L-40			

**PRE CAST LINTEL LAYOUT "B"**  
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

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DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	6374
SHEET	13B.0
OF SHEETS	13

**WATERFALL**  
**PARADISO GRANDE**

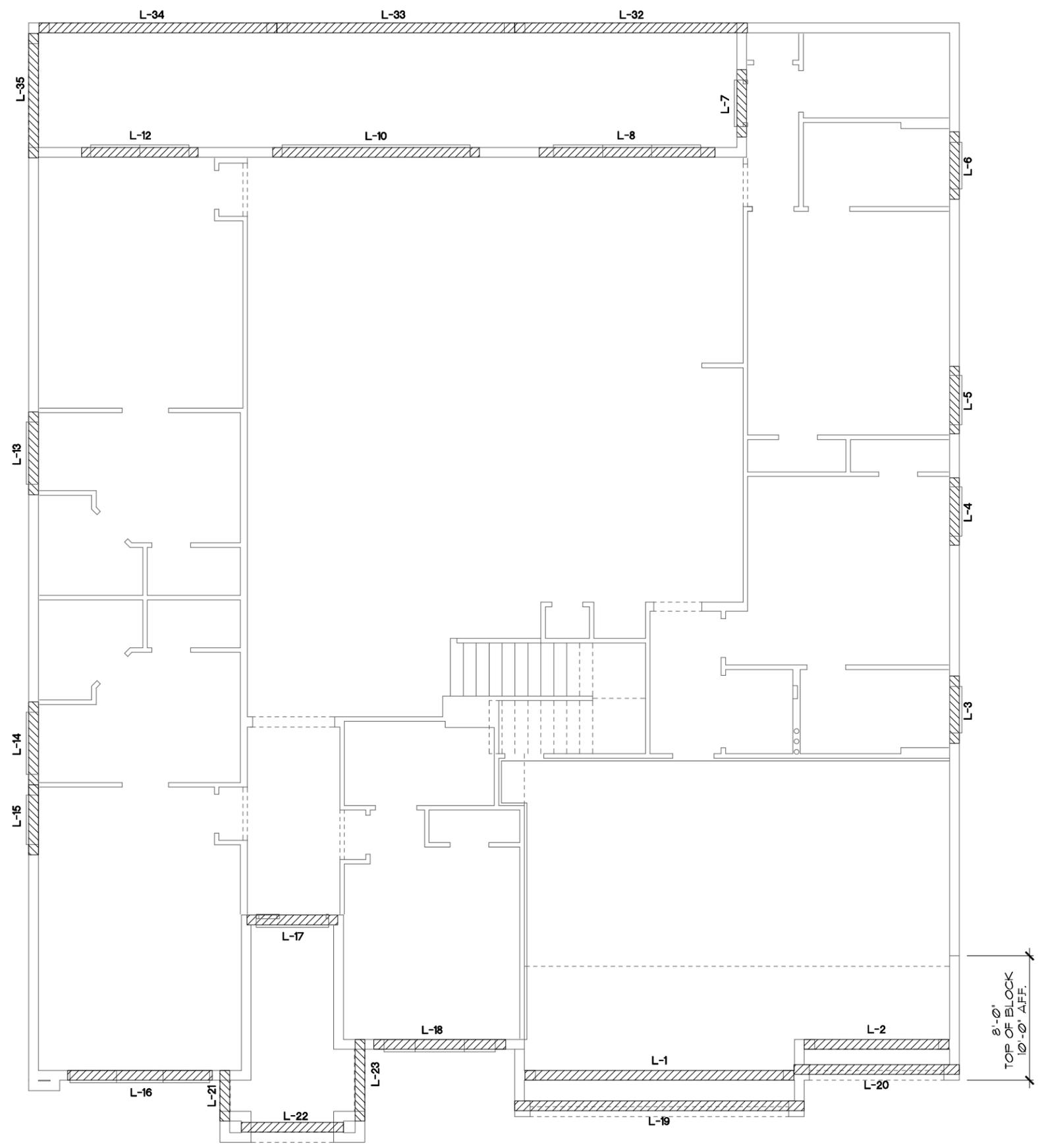
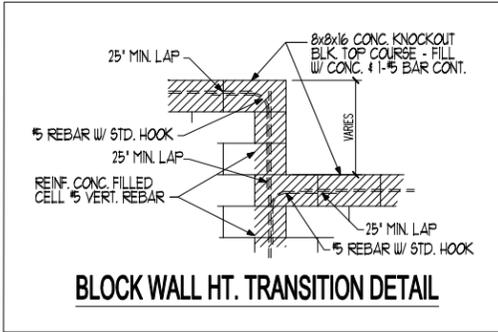
**PRE CAST LINTEL LAYOUT**

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REVISIONS	BY



**CAST CRETE / LOTTS / WEKIWA / FLORIDA ROCK  
 PRE CAST LINTEL SCHEDULE**

LINTEL NO.	LENGTH	TYPE	COMMENTS
L-1	17'-4"	8F30-1B/1T	GARAGE DOOR
L-2	9'-4"	8F30-1B/1T	GARAGE DOOR
L-3	4'-6"	8F36-0B/1T	3/0X1/0 F.G.
L-4	4'-6"	8F36-0B/1T	SH26
L-5	4'-6"	8F36-0B/1T	SH26
L-6	4'-6"	8F36-0B/1T	3/0X1/0 F.G.
L-7	4'-4"	8RF44-0B/1T	2600 1-LITE DR.
L-8	11'-4"	8F36-0B/1T	(3) SH26
L-9			
L-10	13'-4"	8F48-0B/1T	12/0X8/0 S.G.D.
L-11			
L-12	7'-6"	8F36-0B/1T	FR. SH26
L-13	5'-4"	8F36-0B/1T	4/0X1/0 F.G.
L-14	5'-4"	8F36-0B/1T	4/0X1/0 F.G.
L-15	4'-6"	8F36-0B/1T	SH26
L-16	9'-4"	8F36-0B/1T	(3) 3/0X6/0 F.G.
L-17	5'-10"	8RF44-0B/1T	FRONT DOOR
L-18	8'-6"	8F36-0B/1T	(1) SH26, (2) 2/0X6/0 F.G.
L-19	18'-8"	8F24-1B/1T	GARAGE ENTRY
L-20	10'-6"	8F24-0B/1T	GARAGE ENTRY
L-21	3'-6"	8F8-0B/1T	FRONT ENTRY
L-22	6'-6"	8F8-0B/1T	FRONT ENTRY
L-23	5'-4"	8F8-0B/1T	FRONT ENTRY
L-24			
L-25			
L-26			
L-27			
L-28			
L-29			
L-30			
L-31			
L-32	15'-0"	8F16-1B/1T	REAR LANAI
L-33	15'-4"	8F16-1B/1T	REAR LANAI
L-34	15'-4"	8F16-1B/1T	REAR LANAI
L-35	8'-0"	8F16-1B/1T	REAR LANAI
L-36			
L-37			
L-38			
L-39			
L-40			

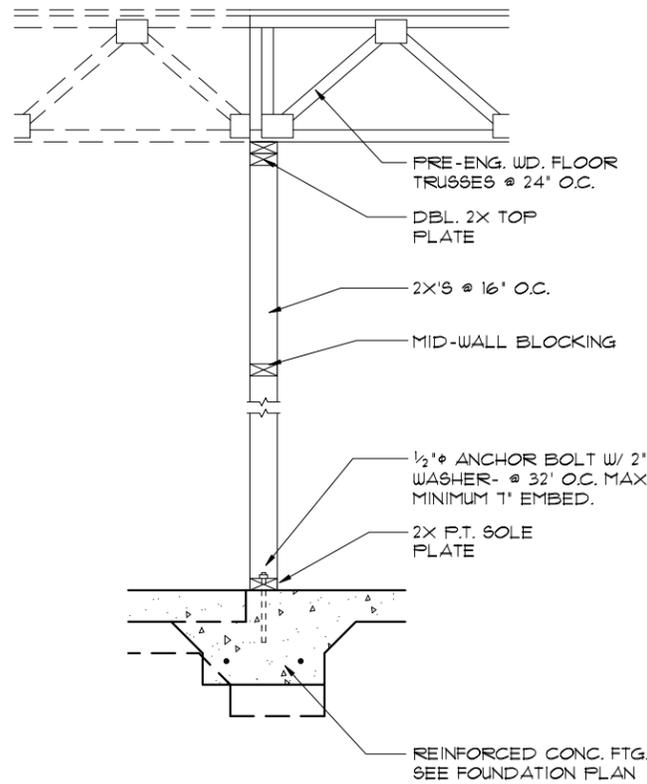
**PRE CAST LINTEL LAYOUT "C"**  
 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

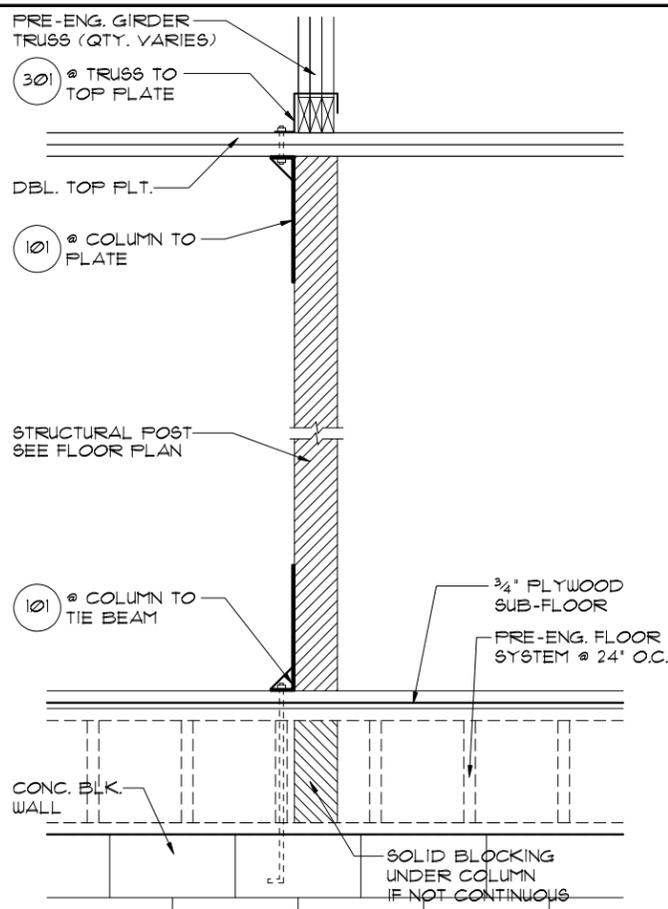
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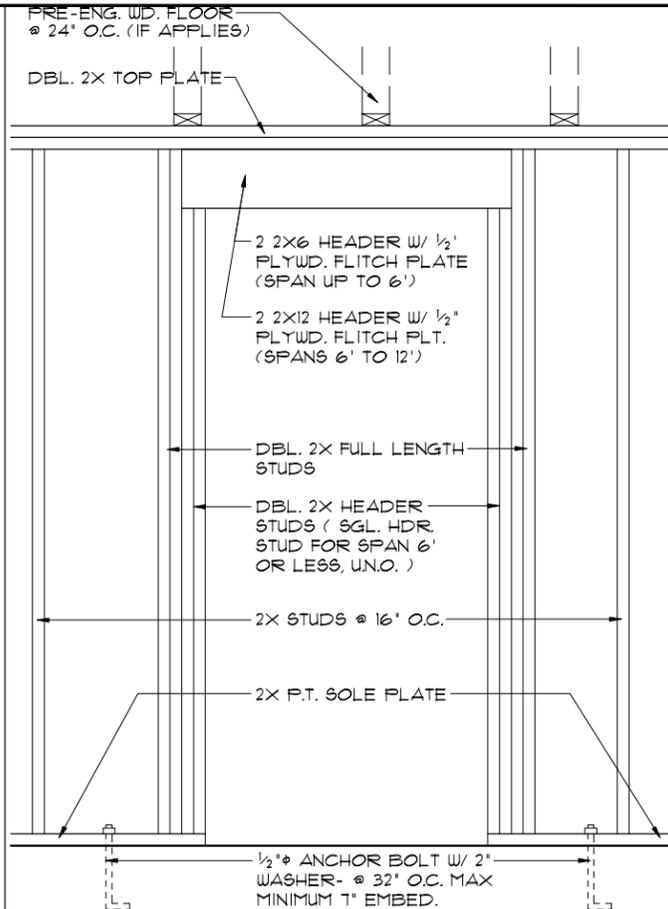
 ITEG INTERNATIONAL ENGINEERING GROUP, INC. 5200 Vineland Road, Suite 200 Orlando, Florida 32811 Tel: (407) 734-1400 Fax: (407) 734-1700 www.iteg.com		REVISIONS BY
A DIVISION OF PARK SQUARE ENTERPRISES, INC. 5200 Vineland Road, Suite 200 Orlando, Florida 32811 Phone: (407) 529 - 3000		
<b>Park Square HOMES</b>		
PRE CAST LINTEL LAYOUT		
WATERFALL	PARADISO GRANDE	
6374		DATE 04-09-21
SCALE AS NOTED		DRAWN RDC
JOB 6374		SHEET
13C.0		SHEETS



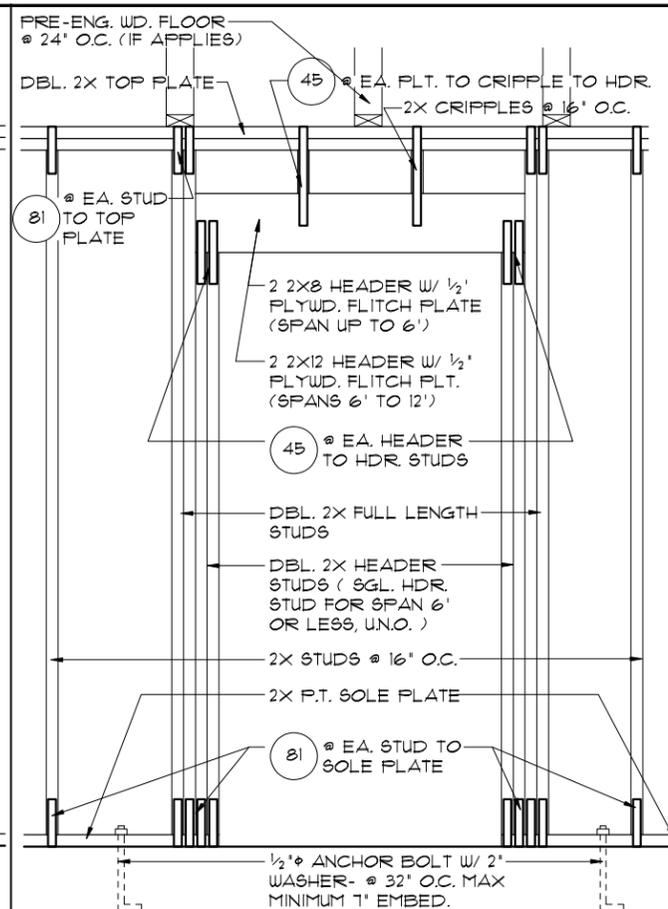
**4** DETAIL  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



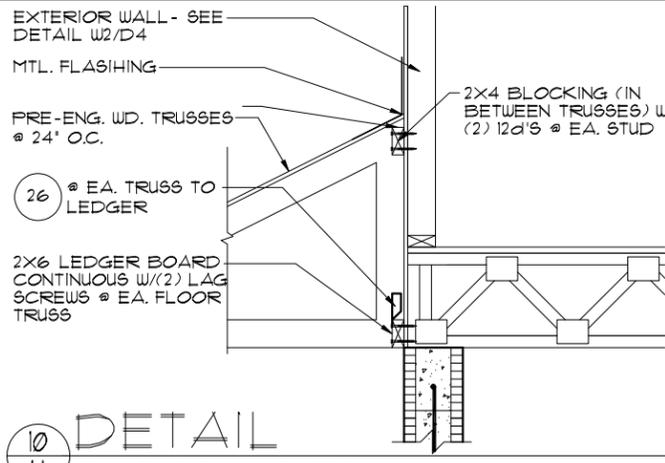
**3** DETAIL  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



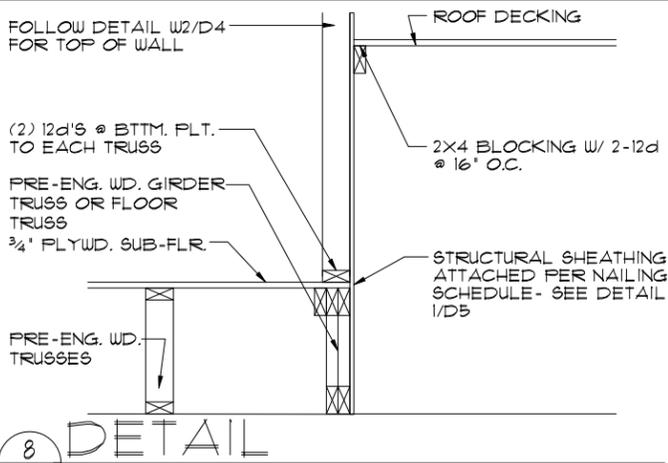
**2** DETAIL (BRG. W/O UPLIFT)  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



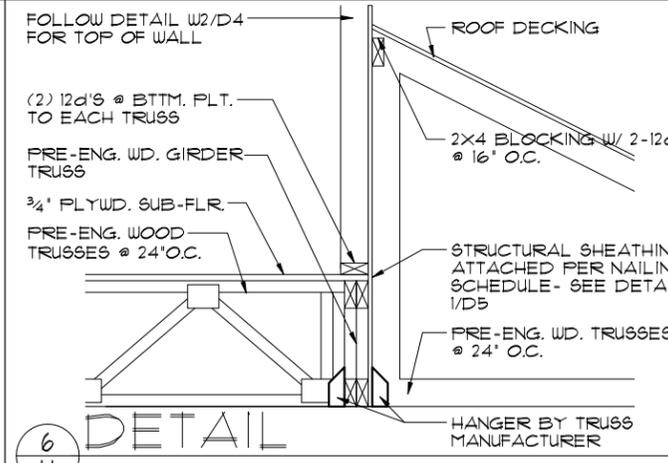
**1** DETAIL (BRG. W/ UPLIFT)  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



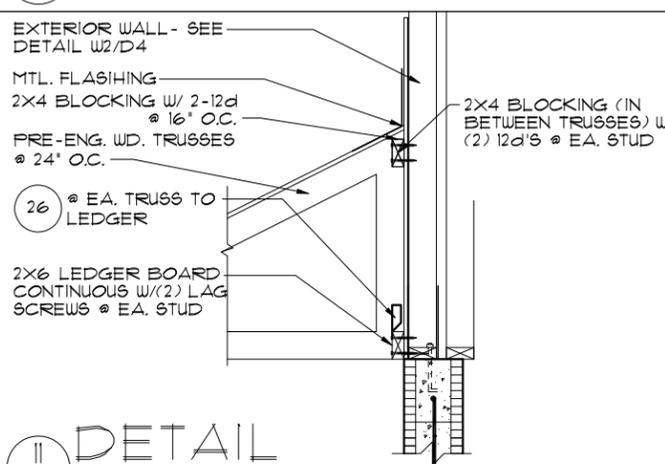
**10** DETAIL  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



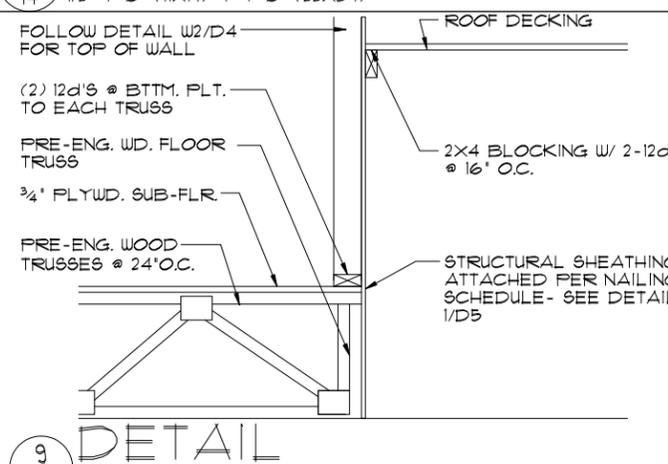
**8** DETAIL  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



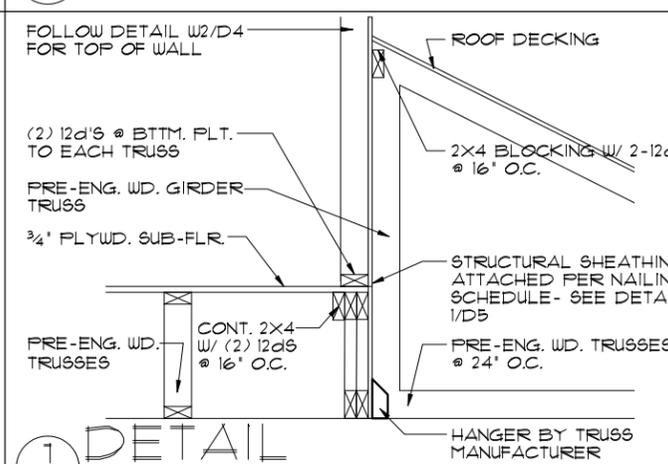
**6** DETAIL  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



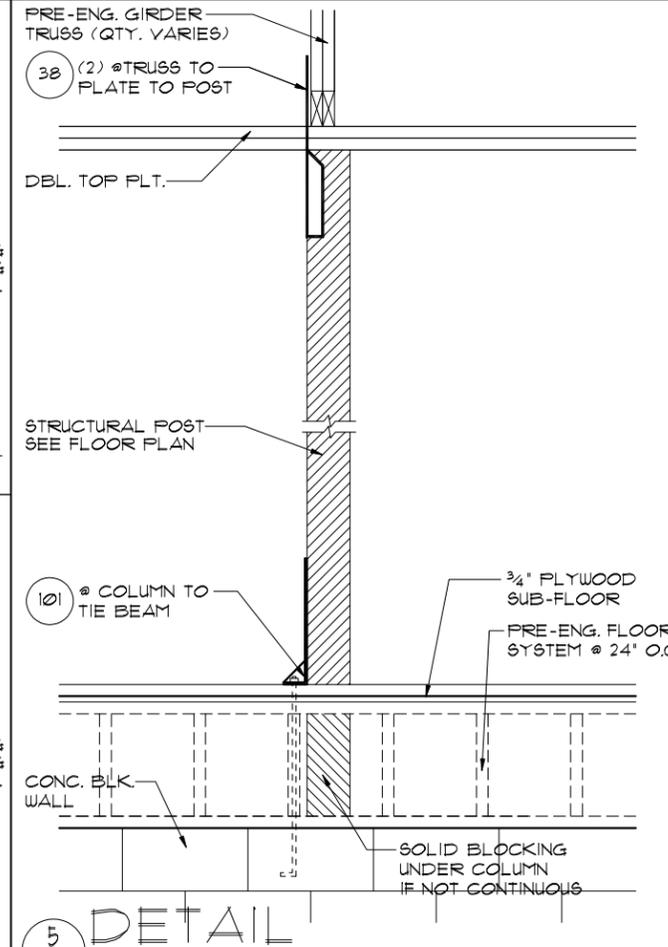
**11** DETAIL  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



**9** DETAIL  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



**7** DETAIL  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)



**5** DETAIL  
14 1/2'-1'-0" (11X17) 1'-1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2023 OF THE FLORIDA BUILDING CODE RESIDENTIAL, AND IS CERTIFIED AS SUCH

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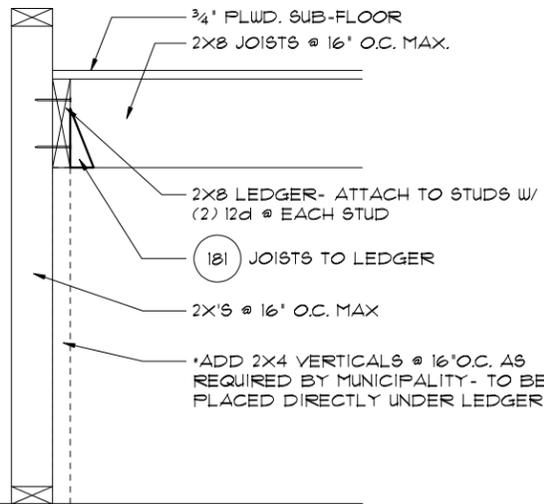
**Park Square HOMES**

TYPICAL DETAILS

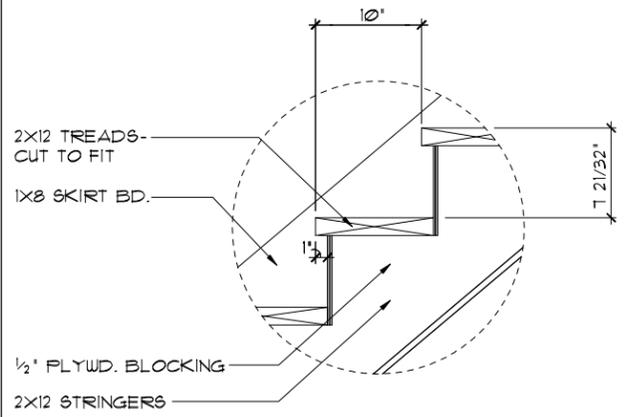
WATERFALL PARADISO GRANDE

**6374**

DATE 04-09-21  
SCALE AS NOTED  
DRAWN RDC  
JOB 6374  
SHEET 14 OF SHEETS

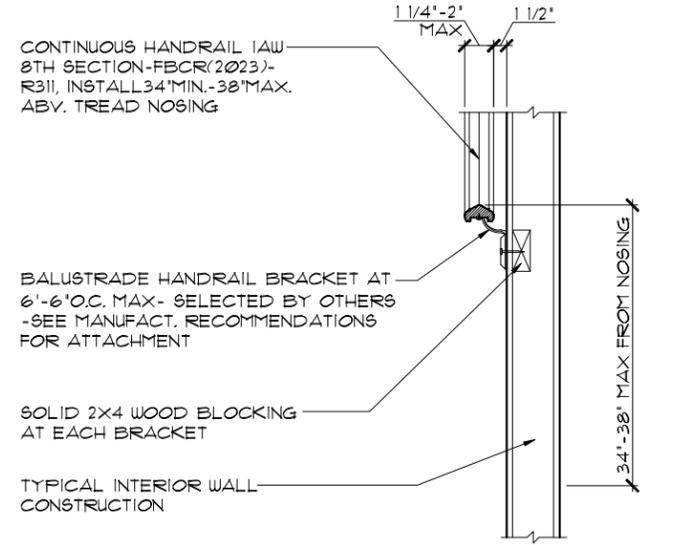


**4** TYP. STAIR CONNECT.  
 3/4" = 1'-0" (11X17) 1 1/2" = 1'-0" (22"X34") PLATFORM FRAMING

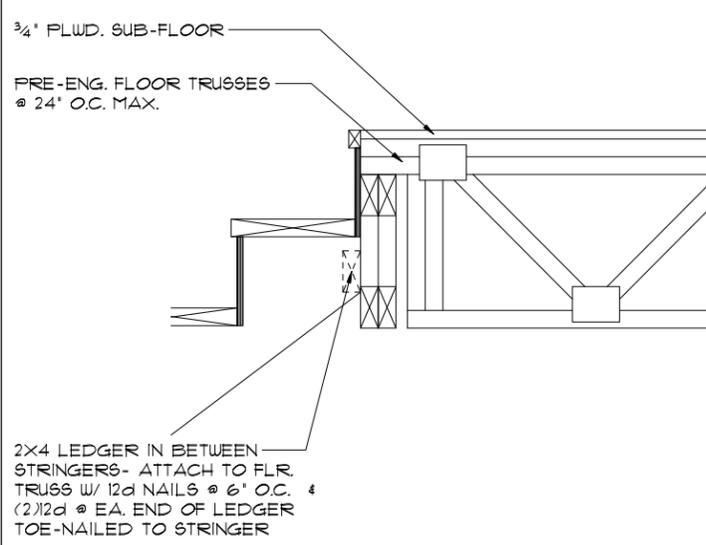


DATA: TOTAL RISE: 13'-8 3/4" (22 RISERS @ 1.49' EA.)  
 TOTAL RUN: 17'-6" (21 TREADS @ 10' EA.)

**1** STAIR DETAIL  
 3/4" = 1'-0" (11X17) 1 1/2" = 1'-0" (22"X34") STAIR DATA



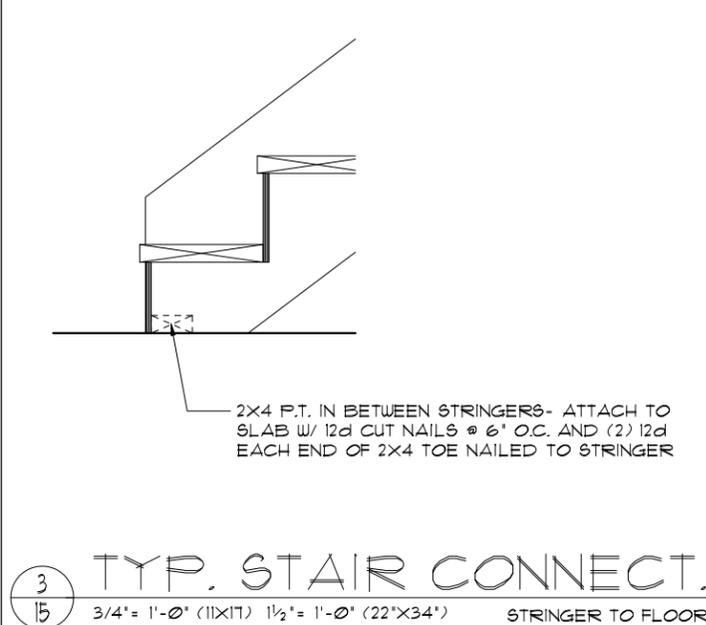
**5** TYP. HANDRAIL DET.  
 3/4" = 1'-0" (11X17) 1 1/2" = 1'-0" (22"X34")



**2** TYP. STAIR CONNECT.  
 3/4" = 1'-0" (11X17) 1 1/2" = 1'-0" (22"X34") STRINGER TO FLOOR TRUSS

NOTES:  
 STAIRWAY CONSTRUCTION TO CONFORM TO FBCR 2023, 8 TH EDITION SECTION R311.1

MAX. HGT. OF RISER TO BE NOT MORE 7 3/4". WIDTH OF TREAD TO BE 9" (EXCLUSIVE OF NOSING) ALL TREADS LESS THAN 10" IN WIDTH SHALL HAVE APPROX. 1" OF NOSING 3/16" MAX. VARIATION IN RISERS/TREADS ADJACENT TO EACH OTHER 3/8" MAX. VARIATION IN ANY RISER/TREAD HAND RAIL CIRCULAR CROSS SECTION DIA. TO BE 1/4" - 2" OR TO PROVIDE EQUIVALENT GRASPABILITY. WINDERS: MIN. 6" WIDE @ NARROW END 34" MIN. - 38" MAX., HANDRAIL HGT. HEADROOM CLEARANCE MIN. 6'-8"



**3** TYP. STAIR CONNECT.  
 3/4" = 1'-0" (11X17) 1 1/2" = 1'-0" (22"X34") STRINGER TO FLOOR

CONNECTOR SCHEDULE						
CONNECT. TYPE	SIMPSON		USP		MAX. UPLIFT	LAT. LDS. FI / F2
	DESCRIPTION	FASTENERS PER CONNECTOR	DESCRIPTION	FASTENERS PER CONNECTOR		
4	HETA20	14-10d x 1 1/2"	ETA20	14-10d	1,810	65 / 960
5	DETAL20	18-10d x 1 1/2"	N/A	N/A	2,480	2000 / 1310
20	H3	RFT: 4-8d / PLT: 4-8d	RT3	RFT: 4-8d / PLT: 4-8d	365	125 / 160
21	H1	RFT: 6-8dx1 1/2" / PLT: 4-8d	RT15	RFT: 5-8dx1 1/2" / PLT: 5-8d	425	485 / 165
22	H10A	RFT: (9)10d x 1 1/2"	RT16	RFT: 8-8d x 1 1/2"	1015	585/525
23	LUS26	HDR: 4-10d/JST: 4-10d	JUS26	HDR: 4-10d/JST: 4-10d	935	N/A
24	H7Z	PLT / STD: (2)8dx 1 1/2" (8)8d	RT20	RFT / TRS: 9-10d	715	400 / N/A
26	H25A	RFT: 5-8d / PLT: 5-8d	RT1	RFT: 5-8d / PLT: 5-8d	535	150 / 150
34	A34	H: 4-8dx1 1/2" / P: 4-8dx1 1/2"	MP34	H: 4-8dx1 1/2" / P: 4-8dx1 1/2"	365	280 / 303
35	A35	H: 4-8dx1 1/2" / P: 4-8dx1 1/2"	MFAIF	H: 6-8dx1 1/2" / P: 6-8dx1 1/2"	300	440 / N/A
37	MTS12	14-10d	MTW12	14-10d	850	N/A
38	MTS16	14-10d	MTW16	14-10d	850	N/A
43	LSTA12	10-10d	LSTA12	10-10d	795	N/A
45	ST18	14-16d	ST18	14-16d	1,335	N/A
47	LSTA24	18-10d	LSTA24	18-10d	1,235	N/A
71	MSTA36	26-10d	MSTA36	26-10d	2,050	N/A
72	MSTC66	76-16d SINKERS	N/A	N/A	5,850	N/A
79	SF1	STD: 6-10d / PLT: 4-10d	SPT22	STD: 4-10d / PLT: 4-10d	535	560 / 260
80	SF2	STD: 6-10d / PLT: 6-10d	SPT224	STD: 6-10d / PLT: 6-10d	605	560 / 260
81	SPH468	12-10d x 1 1/2"	TF46, 48	12-10d x 1 1/2"	550	N/A
90	ABU66Z	12-16d	PAU66	12-16d	1,640	N/A
89	CB66	(2) 5/8" BOLTS	PA8X8	4-10d	4,510	985
92	ABU44	12-16d	PAU44	12-16d	2,200	N/A
93	AC6 (MAX)	28-16d	PBS66	24-16d	1,815	1,070
94	AC4 (MAX)	28-16d	PBS44	24-16d	1,815	1,070
95	HTS20	20-10d	HTW20	20-10d	1,450	N/A
96	HD8A	SILL: 1/8" BOLT STUD: (3) 1/8" X 5 1/2" BOLTS	HH8A	SILL: 1/8" BOLT STUD: (3) 1/8" X 5 1/2" BOLTS	7,910	N/A
99	A35	H: 4-8dx1 1/2" / P: 4-8dx1 1/2"	MPA1	H: 6-8dx1 1/2" / P: 6-8dx1 1/2"	440	440 / N/A
98-101	HTT4	5/8" BOLT / 18-16dx2 1/2"	N/A	N/A	3,640	N/A
97-100-102	HTT5	5/8" BOLT / 26-10d	N/A	N/A	4,275	N/A
103	VGTR/L	32-SDS 1/4" X 3" (2) 5/8" BLT	N/A	N/A	3,990	N/A
104	HDU8-SDS25	7/8" BLT / 20-SDS 1/4" X 2 1/2"	N/A	N/A	5,020	N/A
110	HCP2	12-10d x 1 1/2"	HHCP2	20-10d x 1 1/2"	520	260 / N/A
167	HHUS46	H: 14-16d / J: 6-16d	THD46	H: 8-18d / J: 12-10d	1,550	N/A
168	U46	H: 8-10d / J: 4-10d	SUH46	H: 8-16d / J: 4-16d	710	N/A
181	HUS26	20-16d	THD26	H: 20-16d / J: 10-10d	1,550	N/A
184	HHUS28-2	G: 28-16d / T: 8-16d	EHUH28-2	12-16d	2,000	N/A
214	HUC212-3TF	HD: 16-3/16" X 1 1/2" TAPCON BM: 6-10d	HDO212-3	HD: 18-3/16" X 1 1/2" TAPCON BM: 6-10d	1,135	N/A
215	HGUS210-2	HDR: 46-16d / JST: 10-16d	EHUH210-2	HDR: 40-16d / JST: 16-10d	2,720	N/A
216	HUS412	BLOCK: 10-1/4" X 1 1/2" TC JOIST: 10-16d	HUS412	BLOCK: 10-1/4" X 1 1/2" TC JOIST: 10-16d	3,240	N/A
217	HUS212-2	BLOCK: 10-1/4" X 1 1/2" TC JOIST: 10-16d	HUS212-2	BLOCK: 10-1/4" X 1 1/2" TC JOIST: 10-16d	2,630	N/A
219	MBHA412	H: 1-ATR 3/4" X 8 TOP FACE JOIST: 18-10d	NFM35X12U	H: 1-1/2" J-BOLT J: 5-1/2" BOLTS	3,145	N/A
220	N/A	N/A	NFM 3X12	BLK: 1/2" X J / JST: 14-10d	1,620	N/A
226	MBHA4.75/12	HDR: (2) 3/4" X 8" JOIST: 18-10d	NFM45U	HDR: MIN. 1/2" X J BOLT JOIST: (5) 1/2" X BOLTS	2,160	N/A
231	MBHA3.56/16	HDR: (2) 3/4" X 8" JOIST: 18-10d	NFM35X16U	HDR: MIN. 1/2" X J-BOLTS JOIST: (5) 1/2" X BOLTS	3,450	N/A
232	MBHA5.50/16	HDR: (2) 3/4" X 8" JOIST: 18-10d	NFM55X16U	HDR: MIN. 1/2" X J-BOLTS JOIST: (5) 1/2" X BOLTS	3,450	N/A
240	H15	R: 4-10dx1 1/2" / P: 4-10dx1 1/2"	N/A	N/A	1,300	480 / N/A
241	LGT2	30-16d-sinker	LUGT2	32-10d	2,000	1015 / 440
301	MGT	(1) 3/4" BLTS / GIR: 22-10d	N/A	N/A	3,965	N/A
302	HGT-2 or 3	LTL: 3/4" BLTS / GIR: 8-10d	USC63	LTL: 3/4" BLTS / GIR: 8-16d	6,485	N/A
303	HGT-4	LTL: 3/4" BLTS / GIR: 16-10d	N/A	N/A	9,250	N/A
401	SUR/L414	FACE: 18-16d / JST: 8-16d	N/A	N/A	1,700	N/A
T	CONNECTORS TO BE SPECIFIED AND PROVIDED BY TRUSS MANUFACTURERS					

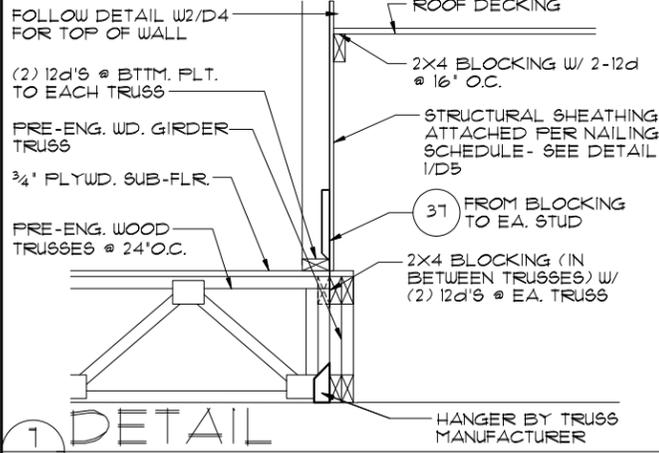
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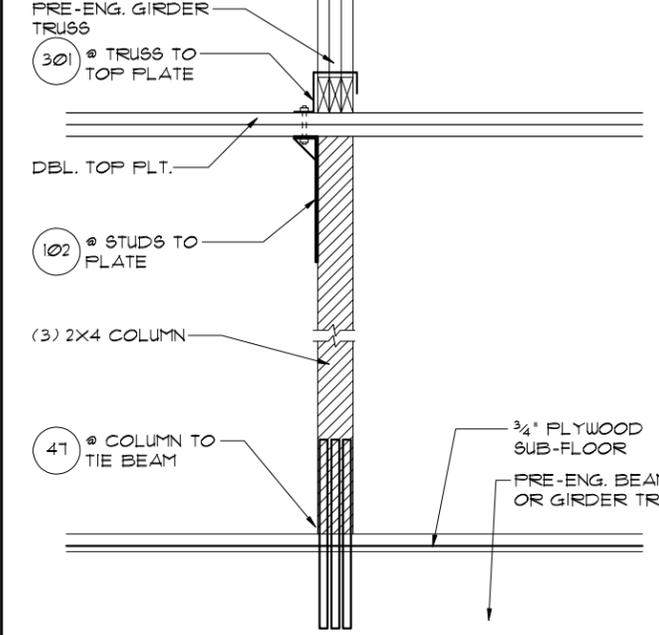
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 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 15 OF SHEETS

TYPICAL DETAILS / CONNECTOR SCHEDULE  
 WATERFALL  
 PARADISO GRANDE  
 6374  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 15 OF SHEETS



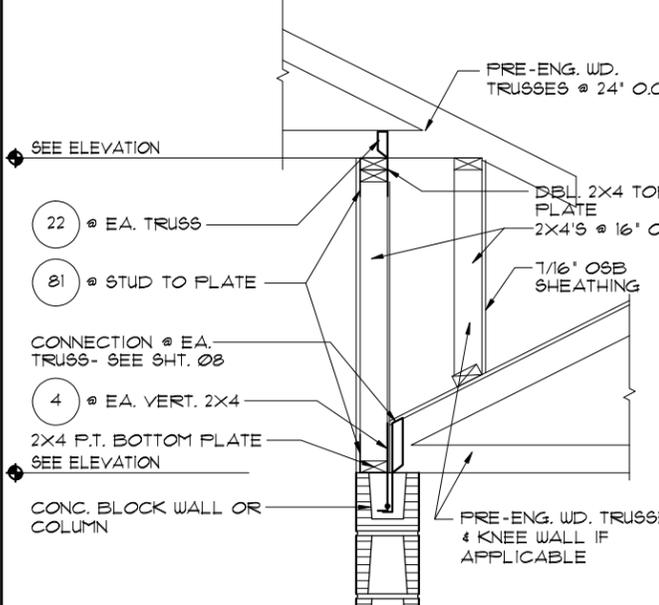
1  
16 1/2' = 1'-0" (11X17) 1' = 1'-0" (22X34)



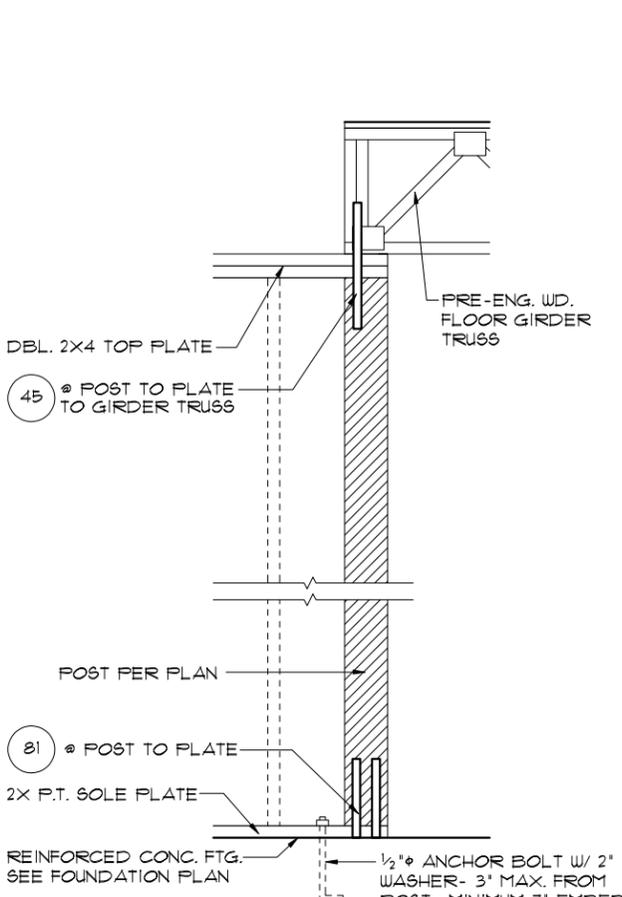
2  
16 1/2' = 1'-0" (11X17) 1' = 1'-0" (22X34)



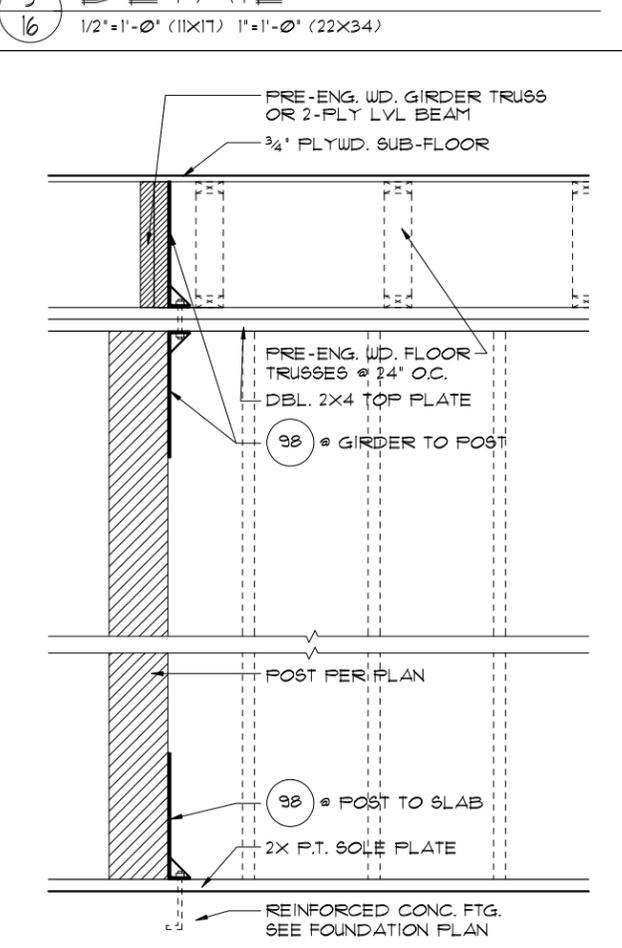
3  
16 1/2' = 1'-0" (11X17) 1' = 1'-0" (22X34)



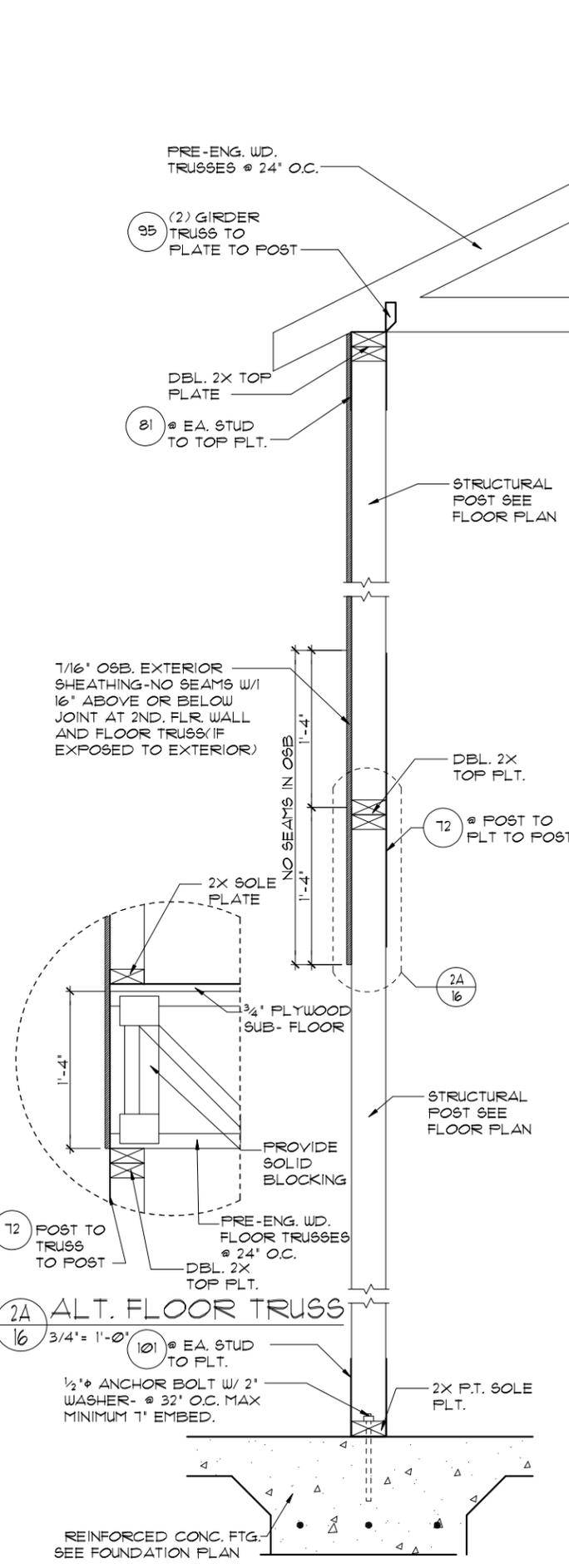
4  
16 1/2' = 1'-0" (11X17) 1' = 1'-0" (22X34)



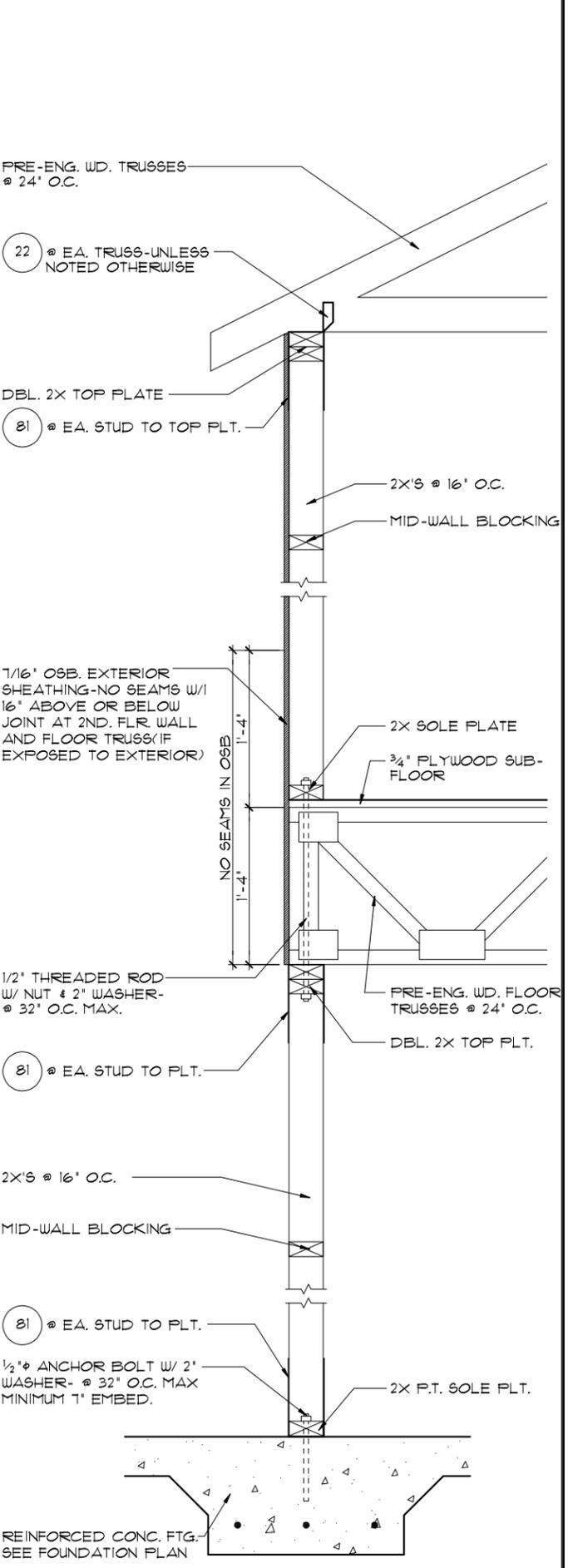
5  
16 1/2' = 1'-0" (11X17) 1' = 1'-0" (22X34)



6  
16 1/2' = 1'-0" (11X17) 1' = 1'-0" (22X34)



7  
16 3/4' = 1'-0" (11X17) 1/2' = 1'-0" (22X34)



8  
16 3/4' = 1'-0" (11X17) 1/2' = 1'-0" (22X34)

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**TYPICAL DETAILS**  
 WATERFALL  
 PARADISO GRANDE

DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 16 OF SHEETS

# SAFE LOAD TABLES FOR GRAVITY, UPLIFT & LATERAL LOADS

## 8" PRECAST & PRESTRESSED U-LINTELS

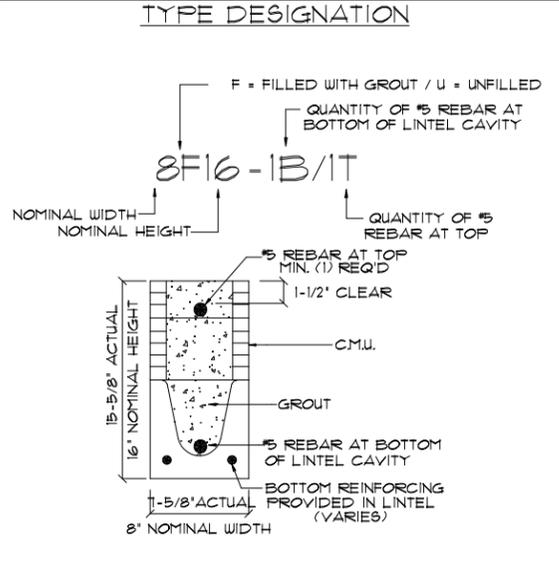
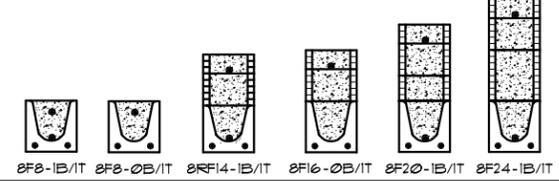
LENGTH	TYPE	RUB	GRAVITY													
			8F8-05	8F12-05	8F16-05	8F20-05	8F24-05	8F28-05	8F32-05	8F36-05	8F40-05	8F44-05				
2'-10" (34')	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936							
3'-6" (42')	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936							
4'-0" (48')	PRECAST	2029	2646	4473	6039	7526	9004	10472	11936							
4'-6" (54')	PRECAST	1651	2180	4021	6039	7526	9004	10472	11936							
5'-4" (64')	PRECAST	1184	1665	2899	5057	6296	7526	8766	10000							
5'-10" (70')	PRECAST	972	1000	1059	1474	1899	2324	2749	3174							
6'-6" (78')	PRECAST	931	1255	2107	3263	4419	5575	6731	7887							
7'-6" (90')	PRECAST	161	1079	1679	2385	3091	3797	4503	5209							
9'-4" (112')	PRECAST	973	168	1029	1469	1909	2349	2789	3229							
10'-6" (126')	PRECAST	456	482	802	1122	1442	1762	2082	2402							
11'-4" (136')	PRECAST	448	598	938	1278	1618	1958	2298	2638							
12'-0" (144')	PRECAST	414	545	864	1184	1504	1824	2144	2464							
13'-4" (160')	PRECAST	362	421	726	1028	1331	1633	1935	2237							
14'-0" (168')	PRECAST	338	485	748	1016	1438	1859	2280	2701							
14'-8" (176')	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.							
15'-4" (184')	PRESTRESSED	N.R.	420	635	1250	1855	2460	3065	3670							
17'-4" (208')	PRESTRESSED	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.							
19'-4" (232')	PRESTRESSED	N.R.	310	530	950	1400	1850	2300	2750							
21'-4" (256')	PRESTRESSED	N.R.	183	330	610	940	1340	1740	2140							
22'-0" (264')	PRESTRESSED	N.R.	160	300	570	870	1250	1630	2010							
24'-0" (288')	PRESTRESSED	N.R.	130	240	470	720	1050	1380	1710							

## 8" PRECAST W/ 2" RECESS DOOR U-LINTELS

LENGTH	TYPE	RUB	GRAVITY													
			8RF6-05	8RF10-05	8RF14-05	8RF18-05	8RF22-05	8RF26-05	8RF30-05	8RF34-05	8RF38-05	8RF42-05				
4'-4" (52')	PRECAST	1489	1591	3053	4582	6111	7640	9169	10698							
4'-6" (54')	PRECAST	1351	1449	2782	4121	5460	6800	8139	9478							
5'-0" (60')	PRECAST	105	832	1602	2350	3098	3846	4594	5342							
5'-10" (70')	PRECAST	135	119	1500	2249	2998	3746	4494	5242							
6'-0" (80')	PRECAST	822	907	1671	2433	3195	3957	4719	5481							
7'-6" (90')	PRECAST	665	761	1371	2252	3133	4014	4895	5776							
9'-8" (116')	PRECAST	371	420	834	1253	1671	2090	2509	2928							

## 8" PRECAST & PRESTRESSED U-LINTELS

LENGTH	TYPE	UPLIFT										LATERAL
		8F8-IT	8F12-IT	8F16-IT	8F20-IT	8F24-IT	8F28-IT	8F32-IT	8F36-IT	8F40-IT	8F44-IT	
2'-10" (34')	PRECAST	2721	2878	4101	5332	6563	7794	9025			2021	2021
3'-6" (42')	PRECAST	2165	2289	3260	4231	5202	6173	7144			1291	1291
4'-0" (48')	PRECAST	1578	1599	2832	3600	4368	5136	5904			938	938
4'-6" (54')	PRECAST	1660	1762	2807	3257	4020	4767	5520			121	121
5'-4" (64')	PRECAST	1393	1431	2050	2670	3290	3910	4530			505	505
5'-10" (70')	PRECAST	1272	1315	1875	2441	3007	3573	4139			418	418
6'-6" (78')	PRECAST	1141	1182	1684	2192	2700	3208	3716			1071	881
7'-6" (90')	PRECAST	999	912	1479	1914	2354	2794	3234			591	651
9'-4" (112')	PRECAST	801	612	980	1269	1558	1847	2136			484	630
10'-6" (126')	PRECAST	716	611	1039	1389	1739	2089	2439			396	493
11'-4" (136')	PRECAST	666	439	636	899	1162	1425	1688			363	556
12'-0" (144')	PRECAST	607	400	631	816	1001	1186	1371			340	494
13'-4" (160')	PRECAST	500	409	682	1004	1361	1718	2075			302	398
14'-0" (168')	PRECAST	458	378	679	922	1284	1641	1998			286	360
14'-8" (176')	PRESTRESSED	243	285	459	591	724	857	990			N.R.	351
15'-4" (184')	PRESTRESSED	228	278	450	583	716	849	982			N.R.	321
17'-4" (208')	PRESTRESSED	188	236	361	484	607	730	853			N.R.	255
19'-4" (232')	PRESTRESSED	165	207	313	401	490	579	668			N.R.	204
21'-4" (256')	PRESTRESSED	145	186	278	356	433	512	590			N.R.	172
22'-0" (264')	PRESTRESSED	131	160	256	343	418	493	568			N.R.	161
24'-0" (288')	PRESTRESSED	121	165	242	312	380	447	515			N.R.	135



### MATERIALS

1. f'c precast lintels = 3500 psi.
2. f'c prestressed lintels = 6000 psi.
3. f'c 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.

### GENERAL NOTES

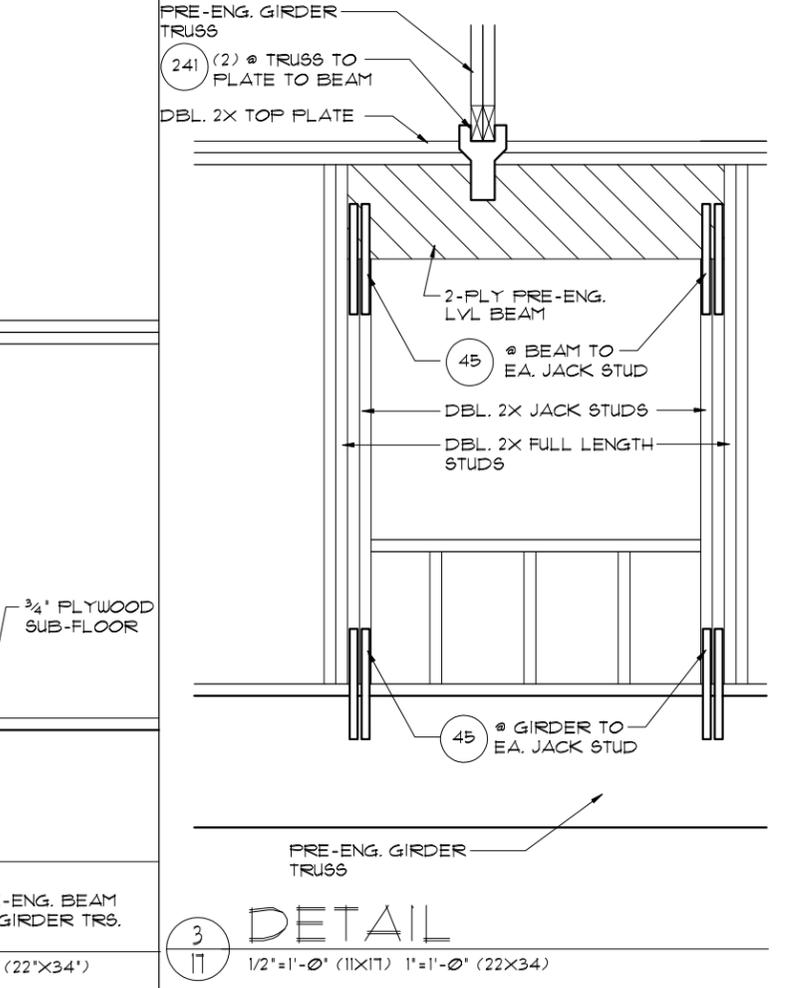
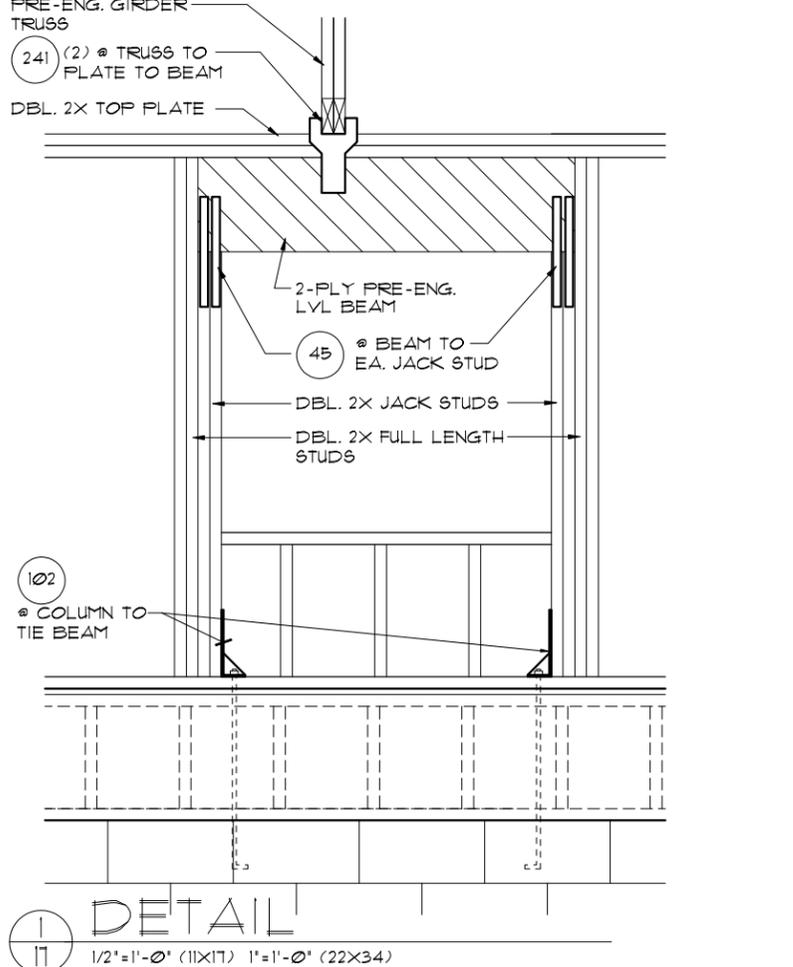
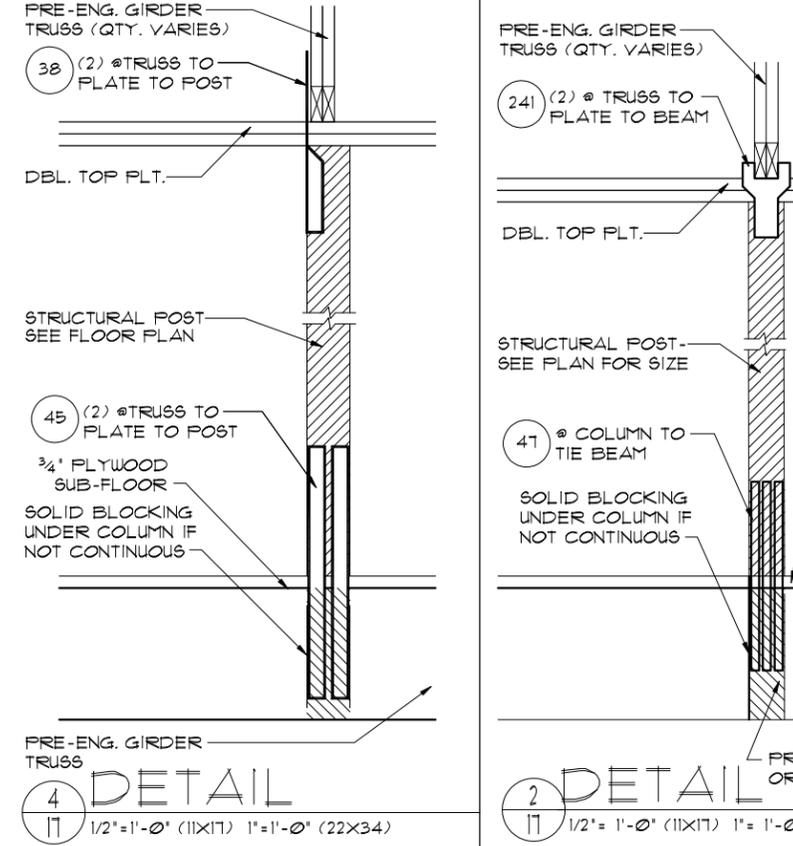
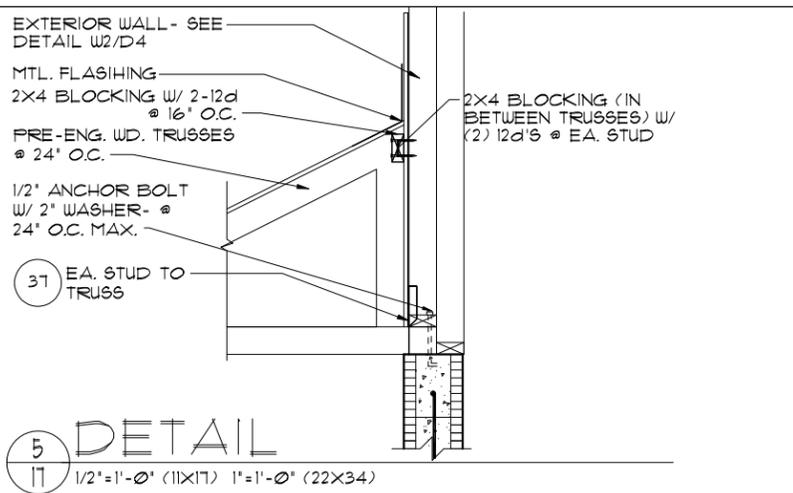
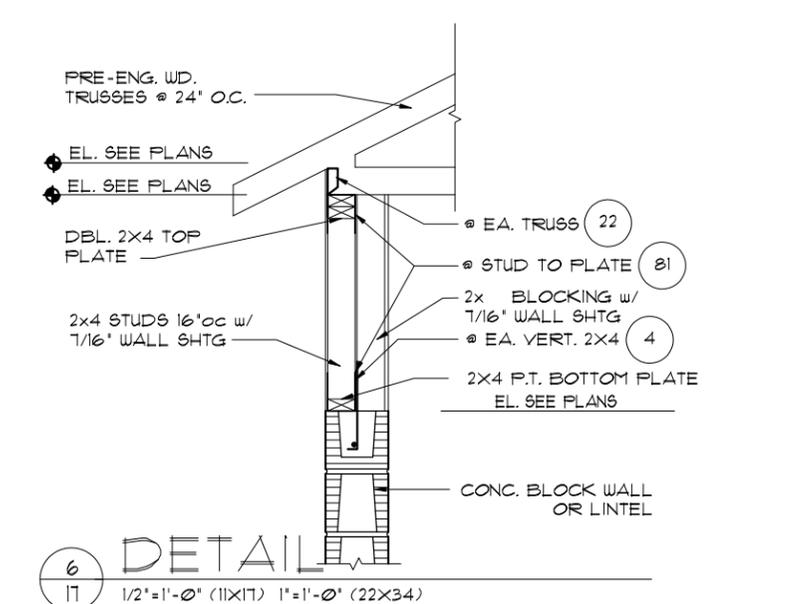
1. Provide full mortar head and bed joints.
2. Shore filled lintels as required.
3. Installation of lintel must comply with the architectural and/or structural drawings.
4. Lintels are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
5. All lintels 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. 1/32" 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 #1 rebar may be substituted for two #5 lintels only.
7. The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at a-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

LENGTH	TYPE	UPLIFT										LATERAL
		8RF6-IT	8RF10-IT	8RF14-IT	8RF18-IT	8RF22-IT	8RF26-IT	8RF30-IT	8RF34-IT	8RF38-IT	8RF42-IT	
4'-4" (52')	PRECAST	1244	1573	2413	3260	4107	4961	5825			932	932
4'-6" (54')	PRECAST	1192	1507	2311	3121	3931	4746	5571			853	853
5'-0" (60')	PRECAST	1192	1459	2240	3056	3871	4643	5453			501	501
5'-10" (70')	PRECAST	924	1172	1785	2425	3059	3689	4325			469	469
6'-0" (80')	PRECAST	688	697	1375	2042	2719	3401	4082			830	1000
7'-6" (90')	PRECAST	688	649	1302	1762	2225	2690	3157			710	941
9'-8" (116')	PRECAST	533	433	808	1123	1443	1764	2085			516	614



THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 8th EDITION, 2003 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

**LOT: 0000, WATERSONG**

**PRE CAST LINTEL DATA / STRUCTURAL DETAILS**

**WATERFALL PARADISO GRANDE**

**6374**

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 6374

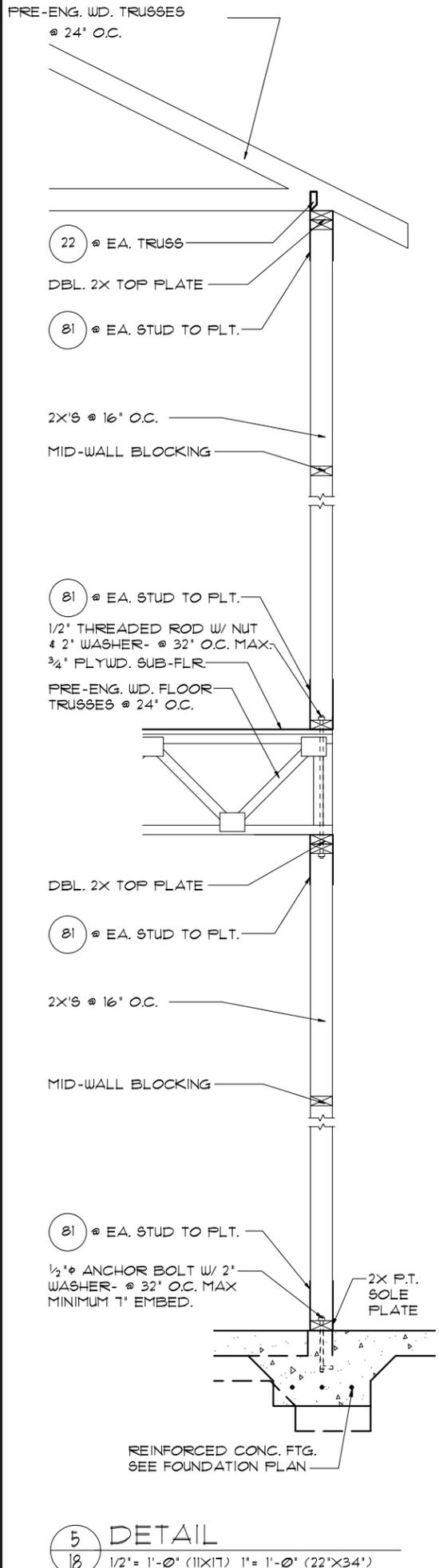
SHEET 17

OF SHEETS

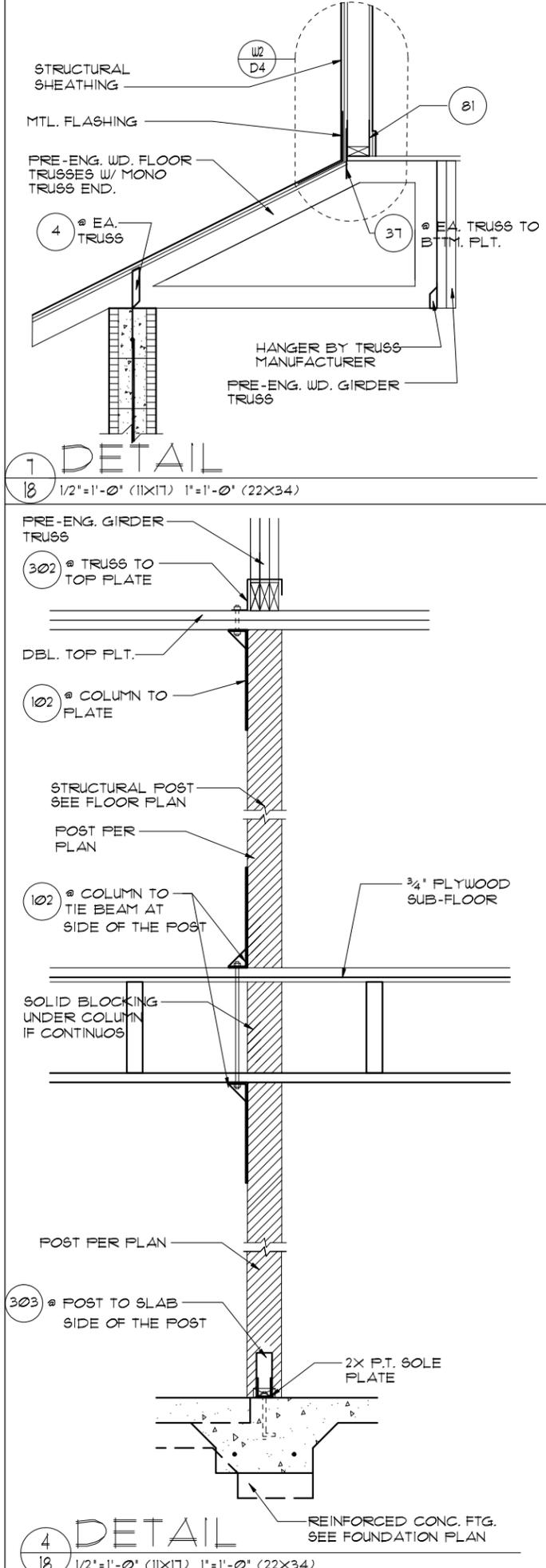
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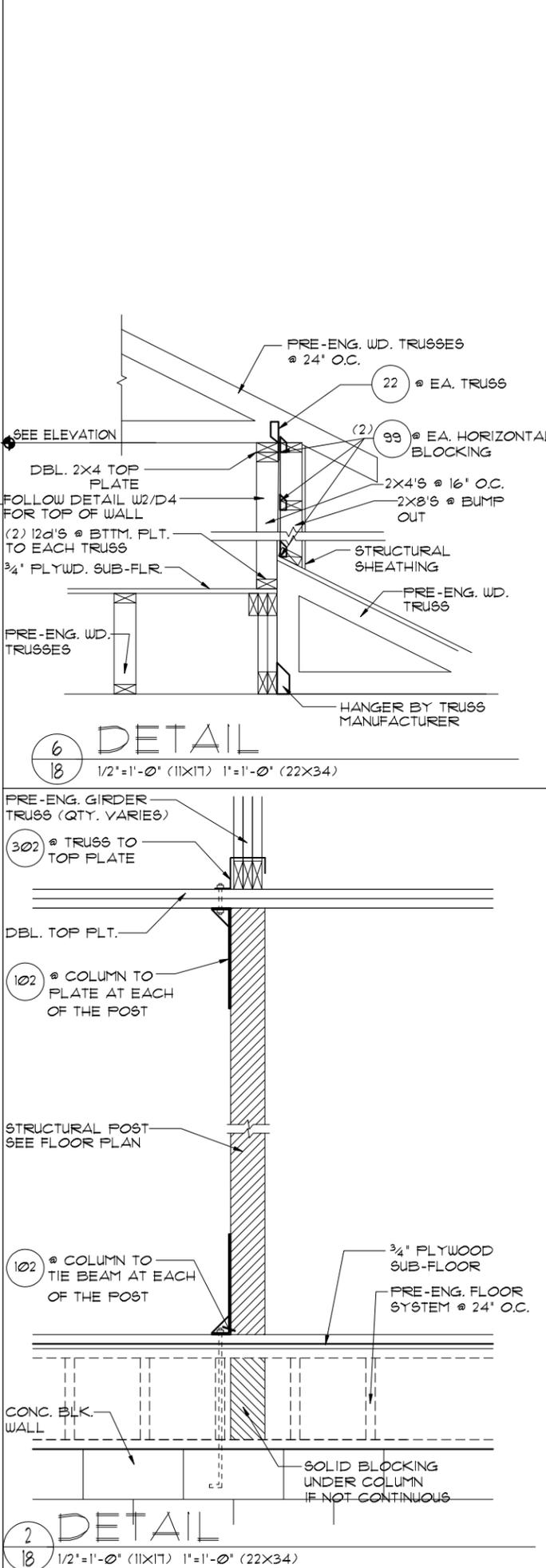
A DIVISION OF **Park Square HOMES**  
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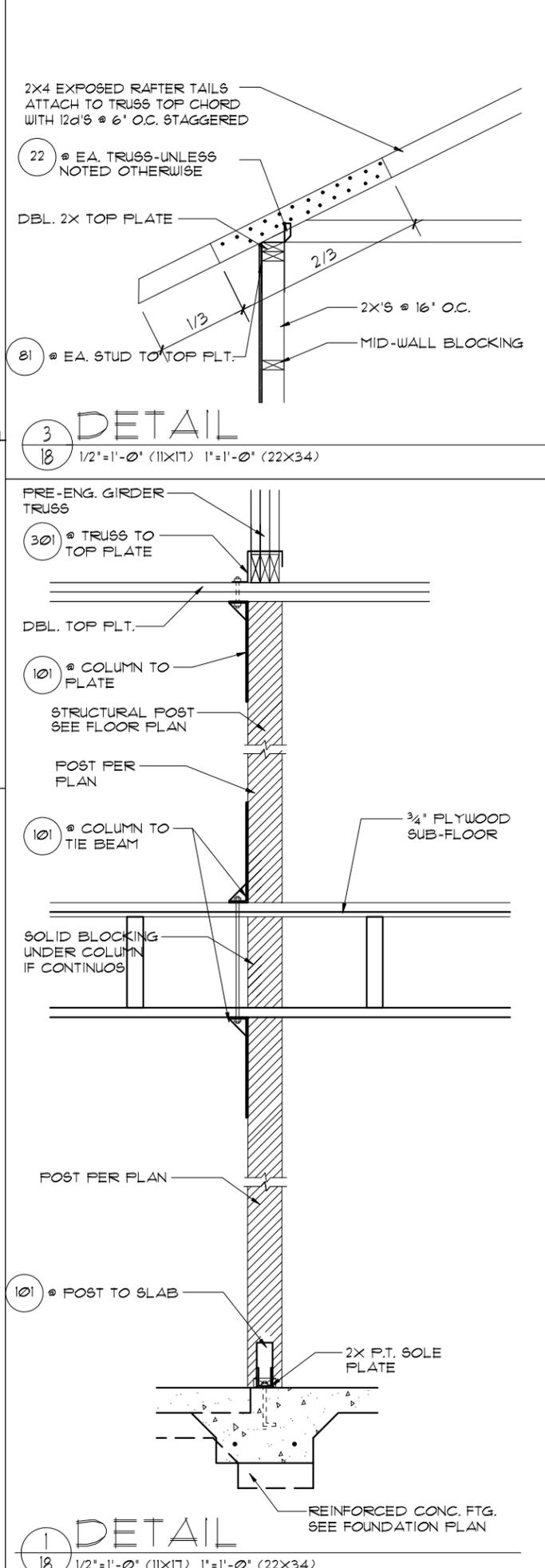
**5 DETAIL**  
 1/2" = 1'-0" (11X17) 1" = 1'-0" (22X34')



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



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



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

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 PARADISO GRANDE  
 6374  
 DATE 04-09-21  
 SCALE AS NOTED  
 DRAWN RDC  
 JOB 6374  
 SHEET 18 OF SHEETS

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