4232 (A,B,C)

REEF

PARADISO GRANDE

40' X 71'4

REVISION SCHEDULE			
NO.	DATE	DESCRIPTION	BY
Ø	04-09-21	-THESE PLANS CREATED USING 4219 SANTA ROSA PLANS DATED 03-04-21 PROVIDED BY PSH	DE
1	06-25-21	-REVISED 2ND FLOOR EXTERIOR FINISH FROM STUCCO TO SMOOTH PANEL BOARD	DH
		-REVISE ALL ARCH SOFFITS TO FLAT	
		-CODE UPDATED TO FBCR 2020, 7TH ED. & NEC 2017	

SHEET INDEX- ELEVATION "A"

00	COVER SHEET
01A.0	FOUNDATION PLAN
02A.0	FLOOR PLAN W/ DIMENSIONS
03A.0	FLOOR PLAN W/ NOTES
04A.0	UPPER FLOOR PLAN W/ DIMENSIONS
05A.0	UPPER FLOOR PLAN W/ NOTES
06A.0	EXTERIOR ELEVATIONS-FRONT/REAR
07A.0	EXTERIOR ELEVATIONS-LEFT/ RIGHT
08	CROSS SECTION AND INTERIOR ELEVATIONS
09.0	ELECTRICAL PLAN
10.0	UPPER ELECTRICAL PLAN
11A.0	TRUSS LAYOUT
12A.0	UPPER TRUSS LAYOUT
13A.0	PRECAST LINTEL LAYOUT
14	TYPICAL DETAILS/CONNECTOR SCHEDULE
15	TYPICAL DETAILS
16	TYPICAL DETAILS
17	TYPICAL DETAILS
D1	TYPICAL STRUCTURAL DETAILS
D2.0	TYPICAL STRUCTURAL DETAILS
D2.1	TYPICAL STRUCTURAL DETAILS- 1-HR RATED
D3	TYPICAL STRUCTURAL DETAILS
D4	TYPICAL STRUCTURAL DETAILS
D5	TYPICAL STRUCTURAL DETAILS

SHEET INDEX- ELEVATION "B"

00	COVER SHEET
01B.0	FOUNDATION PLAN
02B.0	FLOOR PLAN W/ DIMENSIONS
03B.0	FLOOR PLAN W/ NOTES
04B.0	UPPER FLOOR PLAN W/ DIMENSIONS
05B.0	UPPER FLOOR PLAN W/ NOTES
06B.0	EXTERIOR ELEVATIONS-FRONT/REAR
07B.0	EXTERIOR ELEVATIONS-LEFT/ RIGHT
08	CROSS SECTION AND INTERIOR ELEVATIONS
09.0	ELECTRICAL PLAN
10.0	UPPER ELECTRICAL PLAN
11B.0	TRUSS LAYOUT
12B.0	UPPER TRUSS LAYOUT
13B.0	PRECAST LINTEL LAYOUT
14	TYPICAL DETAILS/CONNECTOR SCHEDULE
15	TYPICAL DETAILS
16	TYPICAL DETAILS
17	TYPICAL DETAILS
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D2.0	TYPICAL STRUCTURAL DETAILS
D2.1	TYPICAL STRUCTURAL DETAILS- 1-HR RATED
D3	TYPICAL STRUCTURAL DETAILS
D4	TYPICAL STRUCTURAL DETAILS
D5	TYPICAL STRUCTURAL DETAILS

SHEET INDEX- ELEVATION "C"

00	COVER SHEET
01C.0	FOUNDATION PLAN
02C.0	FLOOR PLAN W/ DIMENSIONS
03C.0	FLOOR PLAN W/ NOTES
04C.0	UPPER FLOOR PLAN W/ DIMENSIONS
05C.0	UPPER FLOOR PLAN W/ NOTES
06C.0	EXTERIOR ELEVATIONS-FRONT/REAR
07C.0	EXTERIOR ELEVATIONS-LEFT/ RIGHT
08	CROSS SECTION AND INTERIOR ELEVATIONS
09.0	ELECTRICAL PLAN
10.0	UPPER ELECTRICAL PLAN
11C.0	TRUSS LAYOUT
12C.0	UPPER TRUSS LAYOUT
13C.0	PRECAST LINTEL LAYOUT
14	TYPICAL DETAILS/CONNECTOR SCHEDULE
15	TYPICAL DETAILS
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D1	TYPICAL STRUCTURAL DETAILS
D2.0	TYPICAL STRUCTURAL DETAILS
D2.1	TYPICAL STRUCTURAL DETAILS- 1-HR RATED
D3	TYPICAL STRUCTURAL DETAILS
D4	TYPICAL STRUCTURAL DETAILS
D5	TYPICAL STRUCTURAL DETAILS

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, PARADISO GRANDE

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PARADISO GRANDE

REVISIONS	BY

Engineering By:
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Park Square HOMES

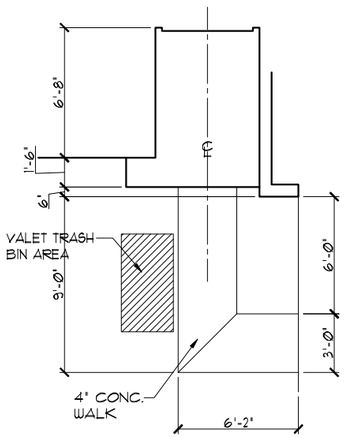
COVER SHEET

REEF

PARADISO GRANDE

4232

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	4232
SHEET	00
OF	SHEETS



SIDEWALK LAYOUT

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

FOUNDATION NOTES

1. CONTRACTOR VERIFY ALL DIMENSIONS ON JOB SITE.
2. ⊡ DENOTES FILL CELL REINF. W/ CONC. W/ (1) #5 REBAR. GRADE 60
3. ■ DENOTES FILL CELL REINF. W/ CONC. W/ (2) #5 REBAR. GRADE 60
4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
5. WATER HEATER T & P RELIEF VALVE SHALL 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.
6. ▩ 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 .006mm (6 mil) POLYETHYLENE VAPOR BARRIER OVER COMPACTED CLEAN FILL. WWF 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.
7. PAVERS MAY BE USED ILO CONCRETE SLABS IN PATIO, PORCH, DRIVE AND WALKWAY AREAS. DELETE SLAB IN AREAS PAVERS ARE USED.
8. (X/X) STANDARD FOOTING
9. MECHANICAL EQUIP. LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.
10. IN LIEU OF TREATING THE SOIL, AN ALTERNATIVE TO TERMITE TREATED SOIL CAN BE TERMICIDE.
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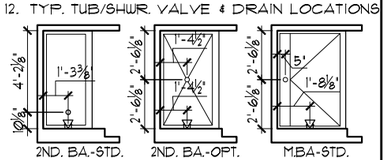
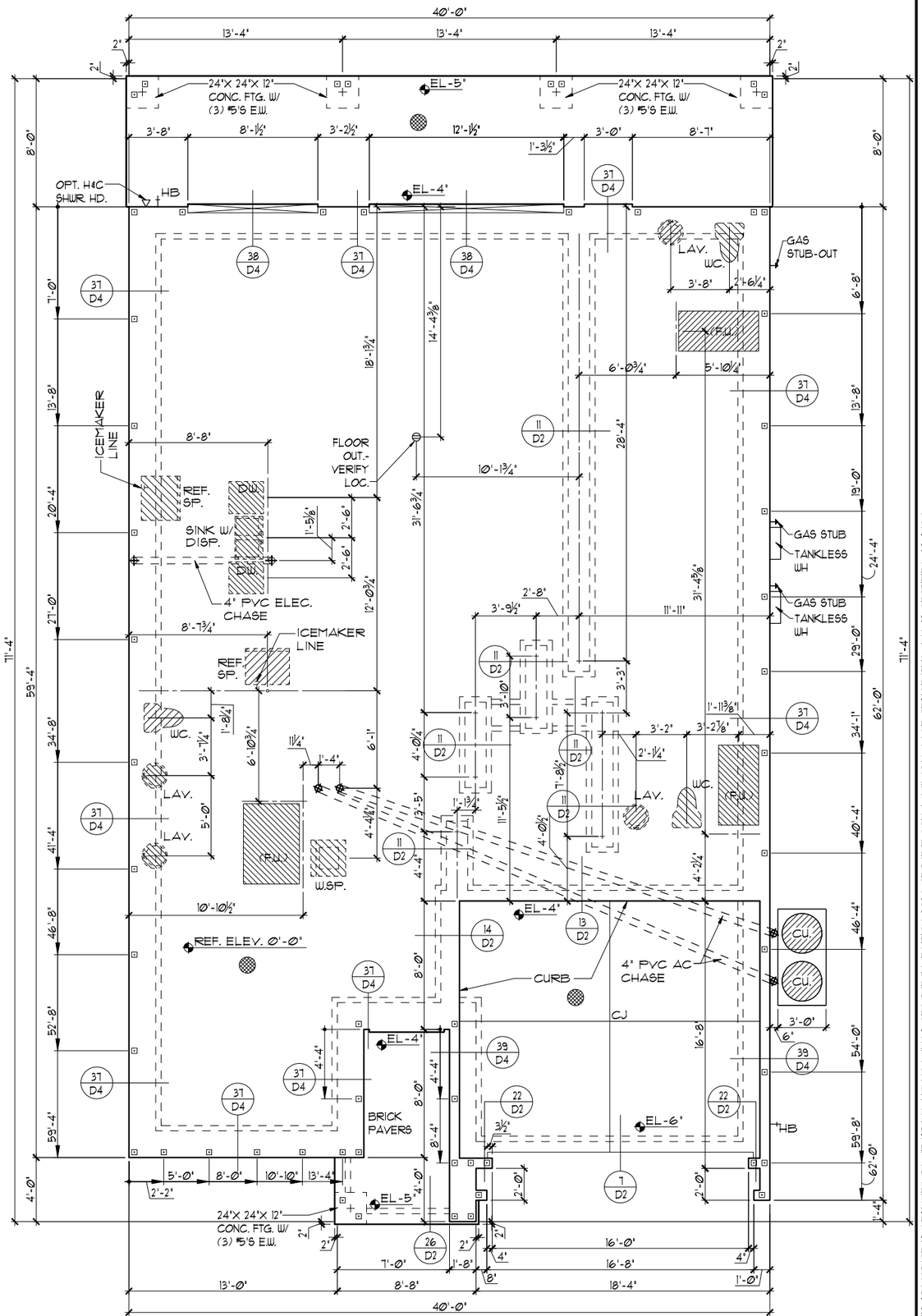


FOUNDATION PLAN "A"

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



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PARADISO GRANDE

REVISIONS	BY

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Phone: (407) 529 - 3000

Park Square HOMES

FOUNDATION PLAN

REEF

PARADISO GRANDE

4232

DATE 04-09-21

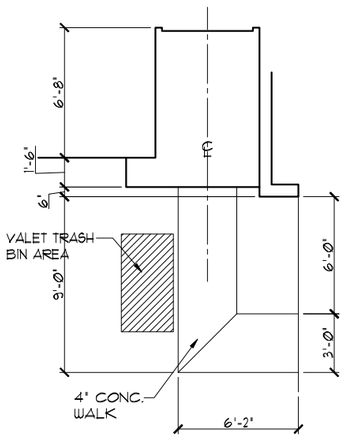
SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 01A.0

OF SHEETS



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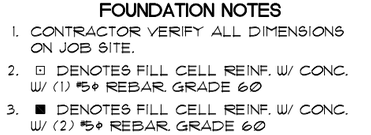
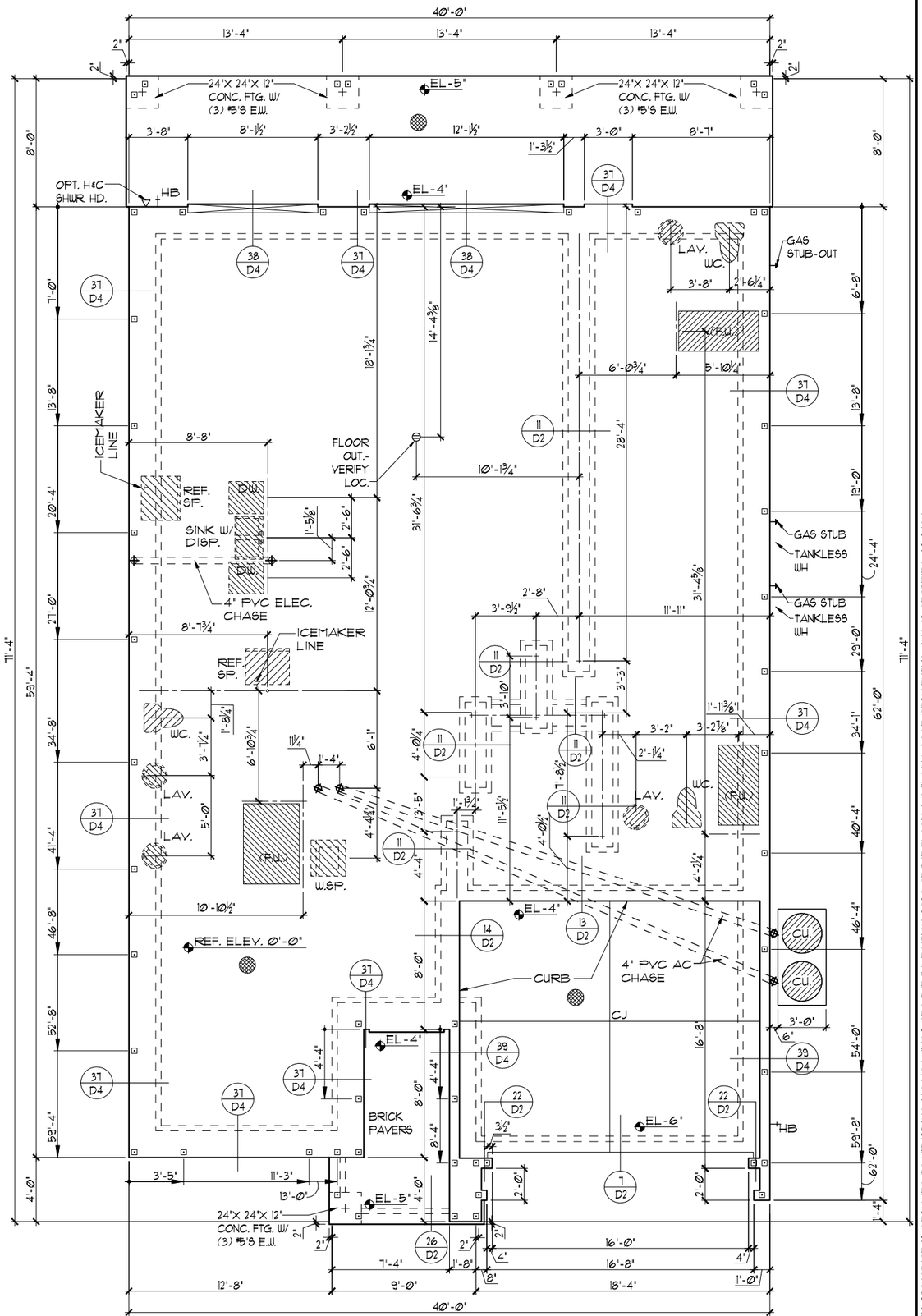


FOUNDATION PLAN "B"

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



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PARADISO GRANDE

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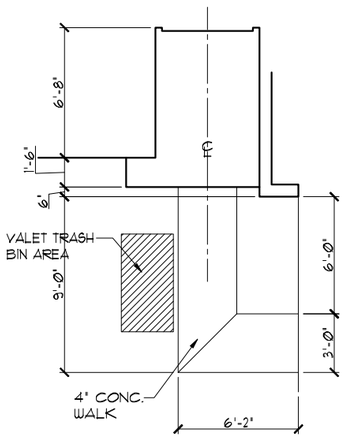
FOUNDATION PLAN

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 01B.0
OF SHEETS



SIDEWALK LAYOUT

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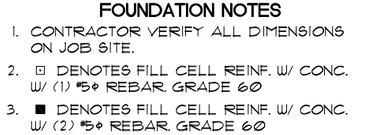

FOUNDATION PLAN "C"

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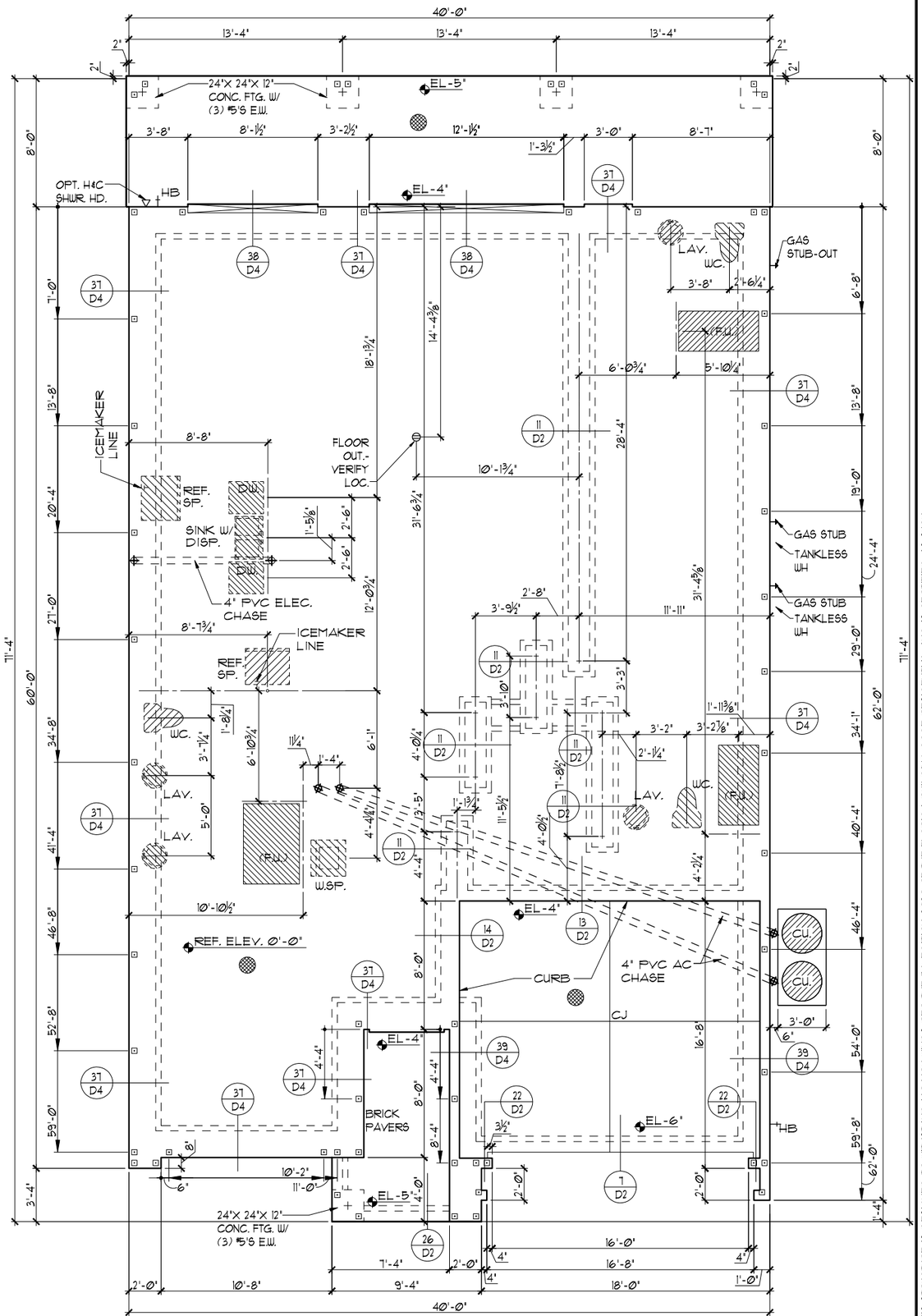

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Park Square HOMES

FOUNDATION PLAN

REEF

PARADISO GRANDE

4232

DATE 04-09-21

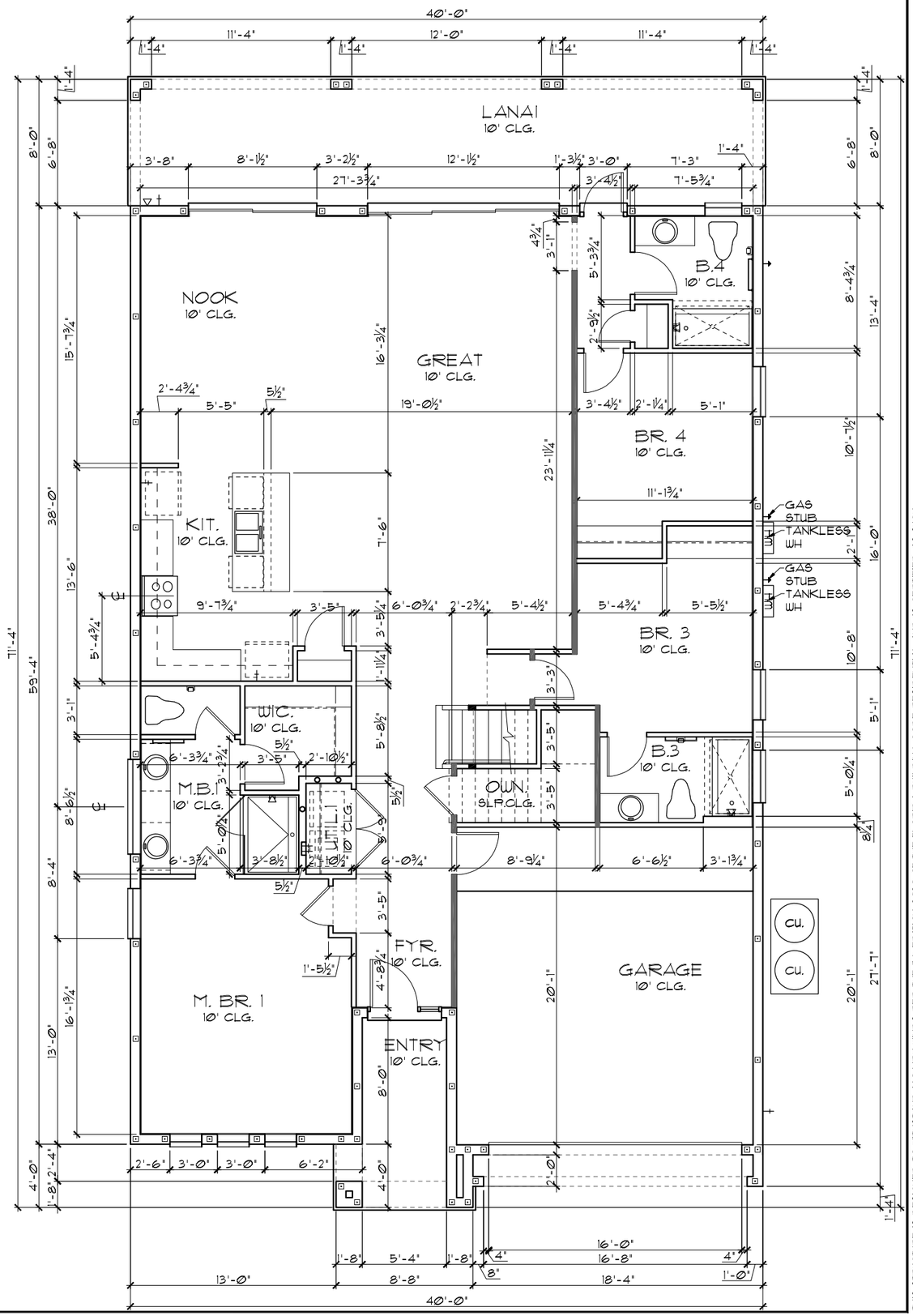
SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 01C.0

OF SHEETS



TABULATION		
UPPER LIVING	2,294	SF.
LOWER LIVING	1,938	SF.
TOTAL LIVING	4,232	SF.
GARAGE	407	SF.
ENTRY	113	SF.
LANAI	320	SF.
TOTAL UNDER ROOF	5,072	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 3½" UNLESS NOTED OTHERWISE.
4. ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 7½" UNLESS NOTED OTHERWISE.
5. ALL INTERIOR CEILINGS AT **10'-0"** UNLESS NOTED OTHERWISE.
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FLOOR PLAN W/ DIMENSIONS "A"

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

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FLOOR PLAN W/ DIMENSIONS

REEF
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4232

DATE	04-09-21
SCALE	AS NOTED
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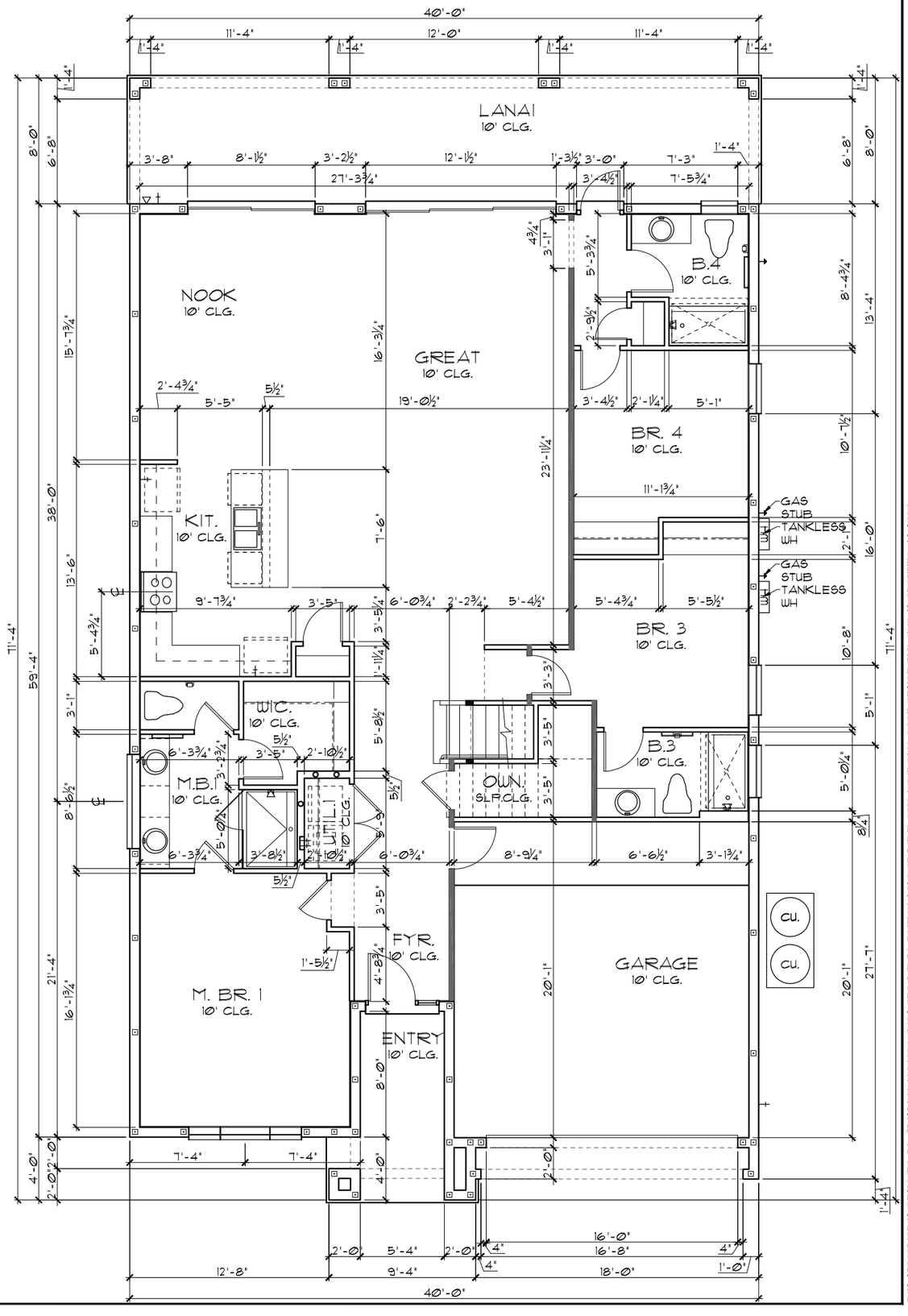
JOB	4232
SHEET	02A.0
OF	SHEETS



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UPPER LIVING	2,294	SF.
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REEF

PARADISO GRANDE

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DRAWN	RDC
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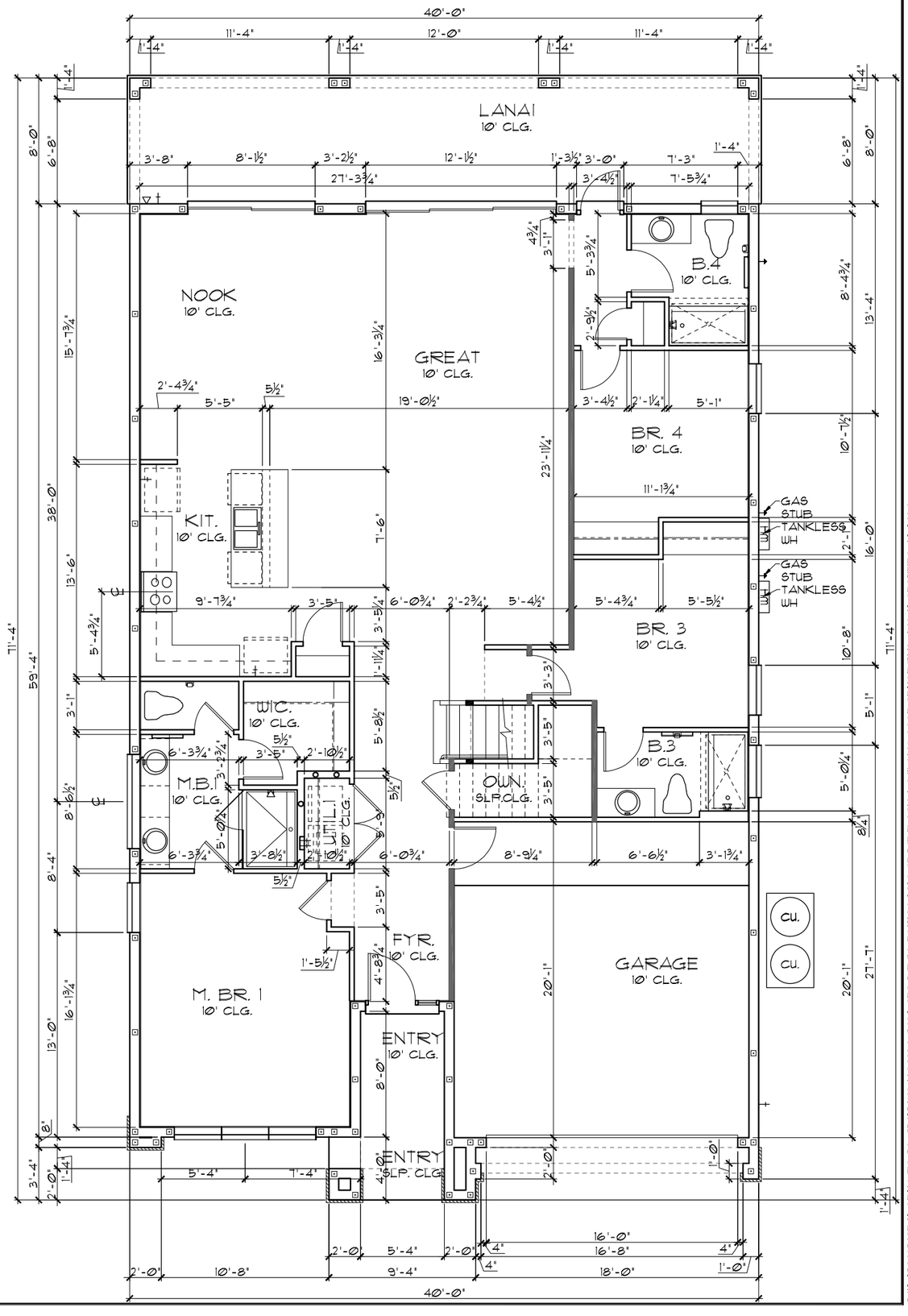
SHEET	02B.0
OF	SHEETS



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FLOOR PLAN W/ DIMENSIONS

REEF
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4232

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	4232
SHEET	02C.0
OF	SHEETS

LOAD INFORMATION
PER 2020 FLORIDA RESIDENTIAL CODE

DEAD LOADS

FLOOR:	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	PARTITIONS	5 PSF
	TOTAL	20 PSF
ROOF:	SHEATHING	5 PSF
	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	TOTAL	20 PSF

FLOOR LIVE LOADS

RESIDENTIAL FLOOR:	40 PSF
ATTIC WITHOUT STORAGE:	10 PSF
ATTIC WITH LIMITED STORAGE:	20 PSF
GUARDRAILS & HANDRAILS:	200 LBS
GUARDRAILS IN-FLL COMP.:	50 PSF
SLEEPING ROOMS:	30 PSF
ROOMS OTHER THAN SLEEPING:	40 PSF
STAIR LIVE LOAD:	40 PSF

ROOF LIVE LOADS

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 7TH EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

1. BASIC WIND SPEED: ---------- 140 MPH
2. WIND IMPORTANCE FACTOR: ---------- N/A
3. BUILDING CATEGORY: ---------- B
4. INTERNAL PRESSURE ---- +/-.18, INCLUDED COEFFICIENT: IN NOTE #5
5. 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

1. PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
2. VENT DRYER THRU EXTERIOR WALL.
3. PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
5. MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
6. DENOTES CONC. BLOCK WALL HGT. @ **10'-0" A.F.F.**

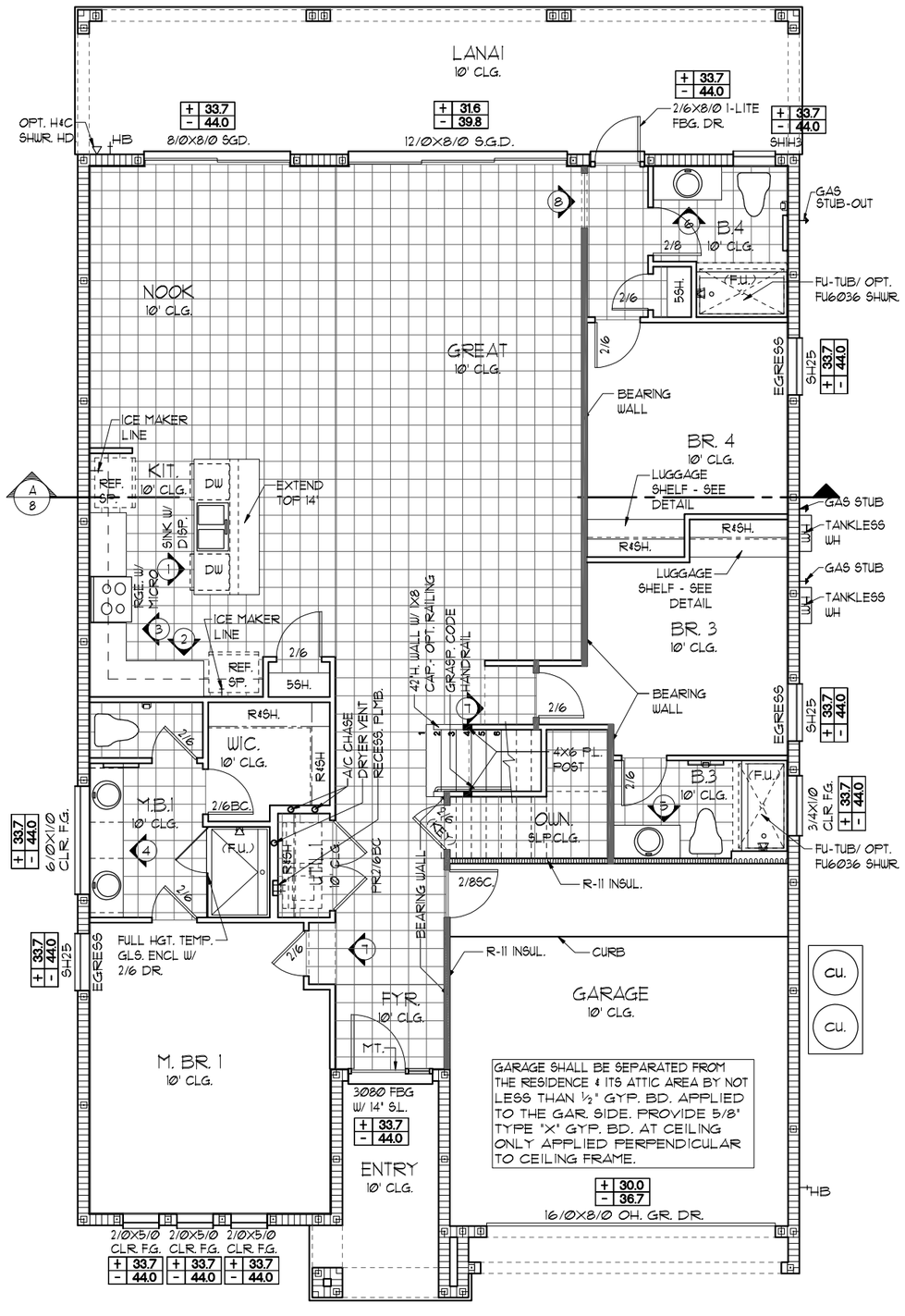
   DENOTES CONC. BLOCK WALL HGT. @ **N/A**
7. REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
8. REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
9. ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M1307.2 + 1307.3.1
10. ALL INTER. FIRST FLOOR CEILINGS AT **10'-0"** UNLESS NOTED OTHERWISE.

    ALL INTER. SECOND FLOOR CEILINGS AT **9'-0"** UNLESS NOTED OTHERWISE.

EGRESS WINDOW SCHEDULE- R310.2.1- FBCR2020

SH25	33 1/2" H. X 30" W.	MIN. NET CLEAR OPENING 5.7 SQFT

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



NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: **8'-0"** U.N.O. - VERIFY WITH COLOR SHEET.

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7TH EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, PARADISO GRANDE

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FLOOR PLAN W/ NOTES

REEF — PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 03A.0
OF SHEETS

LOAD INFORMATION
PER 2020 FLORIDA RESIDENTIAL CODE

DEAD LOADS

FLOOR:	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	PARTITIONS	5 PSF
	TOTAL	20 PSF
ROOF:	SHEATHING	5 PSF
	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	TOTAL	20 PSF

FLOOR LIVE LOADS

RESIDENTIAL FLOOR:	40 PSF
ATTIC WITHOUT STORAGE:	10 PSF
ATTIC WITH LIMITED STORAGE:	20 PSF
GUARDRAILS & HANDRAILS:	200 LBS
GUARDRAILS IN-FLL COMP.:	50 PSF
SLEEPING ROOMS:	30 PSF
ROOMS OTHER THAN SLEEPING:	40 PSF
STAIR LIVE LOAD:	40 PSF

ROOF LIVE LOADS

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 7TH EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

1. BASIC WIND SPEED: ---------- 140 MPH
2. WIND IMPORTANCE FACTOR: ---------- N/A
3. BUILDING CATEGORY: ---------- B
4. INTERNAL PRESSURE ---- +/-.18, INCLUDED COEFFICIENT: IN NOTE #5
5. 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

1. PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
2. VENT DRYER THRU EXTERIOR WALL.
3. PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
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6. DENOTES CONC. BLOCK WALL HGT. @ **10'-0" A.F.F.**

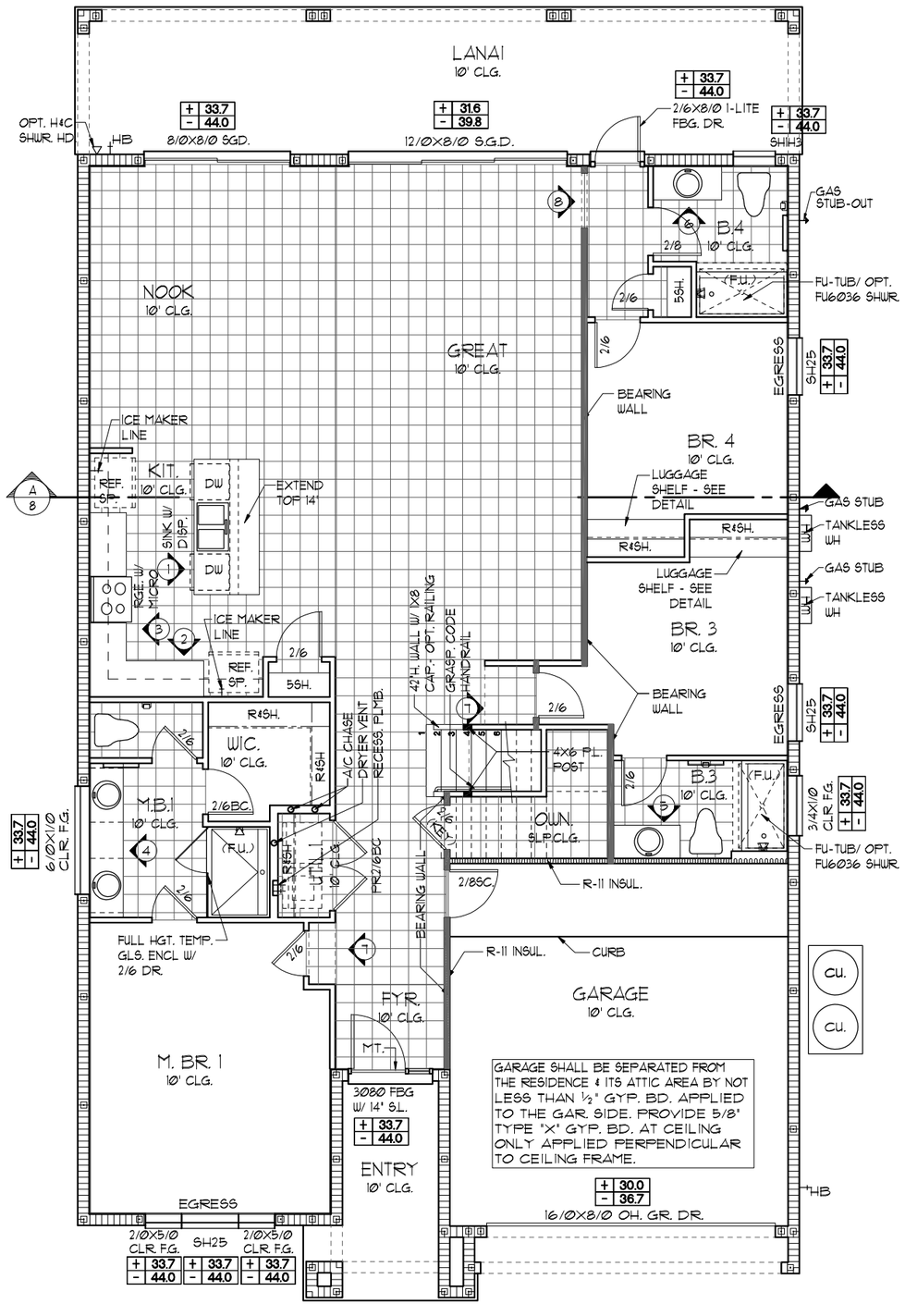
   DENOTES CONC. BLOCK WALL HGT. @ **N/A**
7. REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
8. REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
9. ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M1307.2 + 1307.3.1
10. ALL INTER. FIRST FLOOR CEILINGS AT **10'-0"** UNLESS NOTED OTHERWISE.

    ALL INTER. SECOND FLOOR CEILINGS AT **9'-0"** UNLESS NOTED OTHERWISE.

EGRESS WINDOW SCHEDULE- R310.2.1- FBCR2020

SH25	33 1/2" H. X 30" W.	MIN. NET CLEAR OPENING 5.7 SQFT

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



NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: **8'-0"** U.N.O. - VERIFY WITH COLOR SHEET.

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7TH EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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Park Square HOMES

FLOOR PLAN W/ NOTES

REEF

PARADISO GRANDE

4232

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	4232
SHEET	03B.0
OF	SHEETS

LOAD INFORMATION
PER 2020 FLORIDA RESIDENTIAL CODE

DEAD LOADS

FLOOR:	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	PARTITIONS	5 PSF
	TOTAL	20 PSF
ROOF:	SHEATHING	5 PSF
	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	TOTAL	20 PSF

FLOOR LIVE LOADS

RESIDENTIAL FLOOR:	40 PSF
ATTIC WITHOUT STORAGE:	10 PSF
ATTIC WITH LIMITED STORAGE:	20 PSF
GUARDRAILS & HANDRAILS:	200 LBS
GUARDRAILS IN-FLL COMP.:	50 PSF
SLEEPING ROOMS:	30 PSF
ROOMS OTHER THAN SLEEPING:	40 PSF
STAIR LIVE LOAD:	40 PSF

ROOF LIVE LOADS

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 7TH EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

1. BASIC WIND SPEED: ---------- 140 MPH
2. WIND IMPORTANCE FACTOR: ---------- N/A
3. BUILDING CATEGORY: ---------- B
4. INTERNAL PRESSURE ---- +/-.18, INCLUDED COEFFICIENT: IN NOTE #5
5. 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

1. PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
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3. PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
5. MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
6. DENOTES CONC. BLOCK WALL HGT. @ **10'-0" A.F.F.**

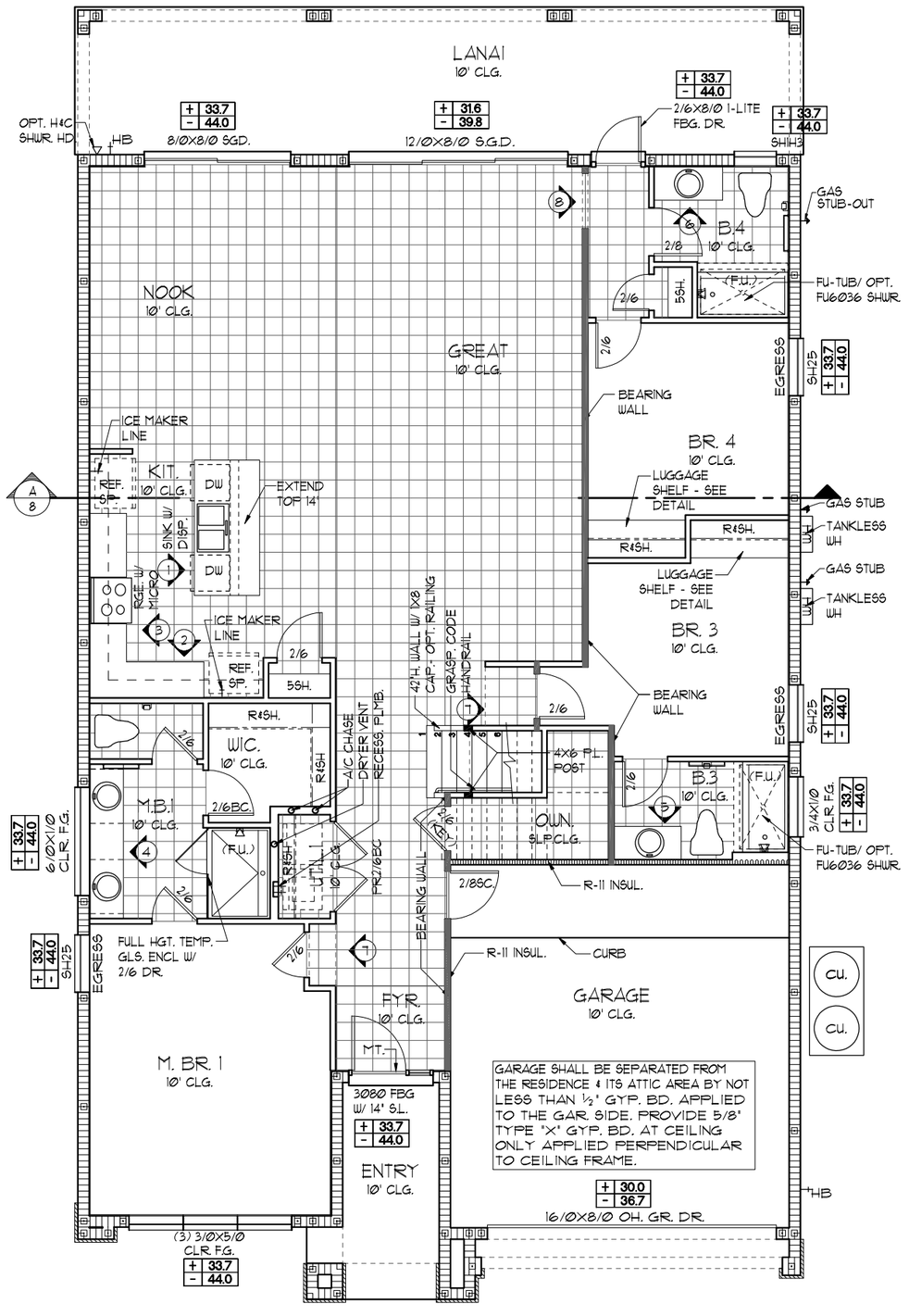
   DENOTES CONC. BLOCK WALL HGT. @ **N/A**
7. REFER TO TYPICAL DETAIL SHEET FOR EXTERIOR WALL FINISH SPECIFICATIONS
8. REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
9. ANCHOR THE CONDENSER UNIT TO SLAB PER CODE: M1307.2 + 1307.3.1
10. ALL INTER. FIRST FLOOR CEILINGS AT **10'-0"** UNLESS NOTED OTHERWISE.

    ALL INTER. SECOND FLOOR CEILINGS AT **9'-0"** UNLESS NOTED OTHERWISE.

EGRESS WINDOW SCHEDULE - R310.2.1 - FBCR2020

SH25	33 1/2" H. X 30" W.	MIN. NET CLEAR OPENING 5.7 SQFT

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



NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: **8'-0"** U.N.O. - VERIFY WITH COLOR SHEET.

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7TH EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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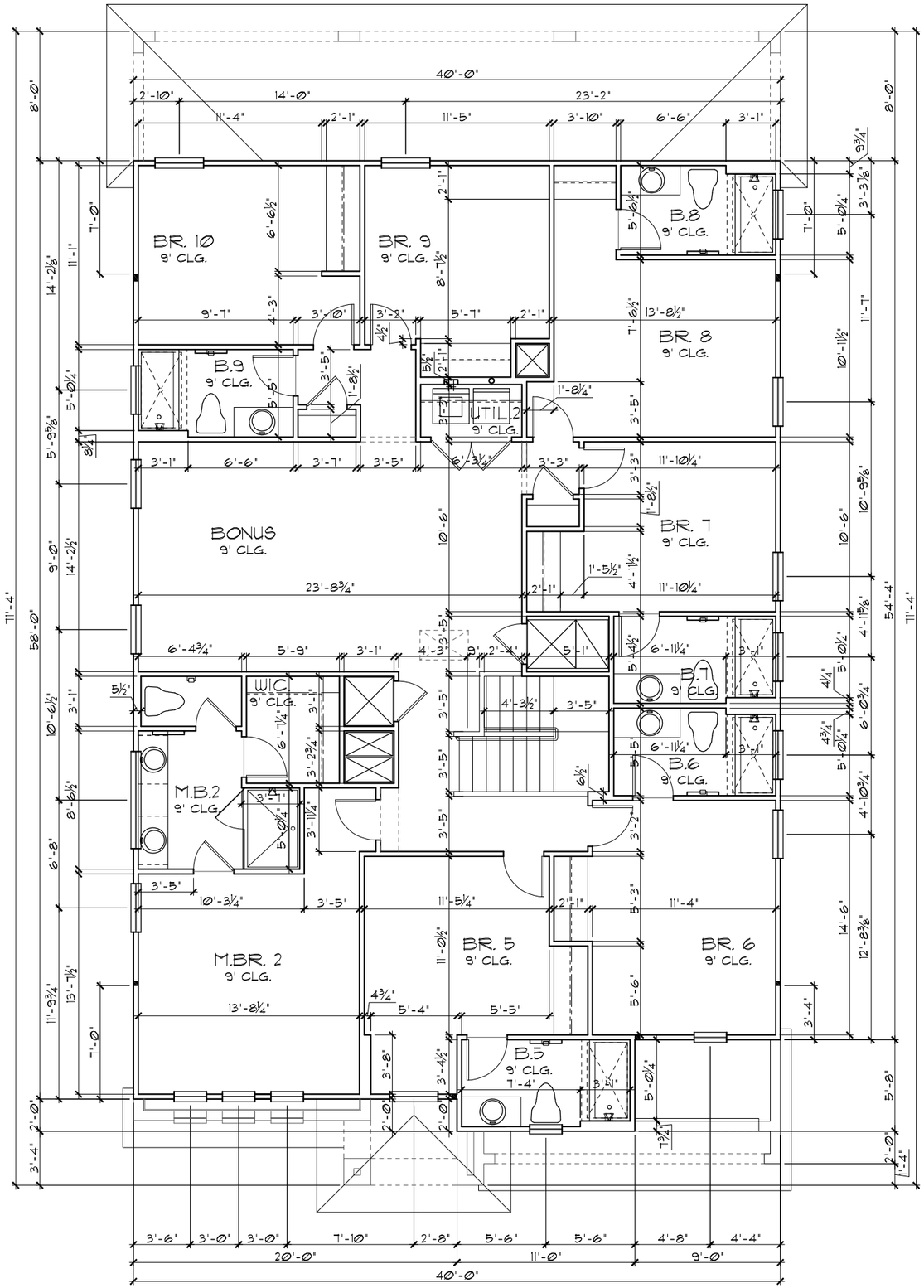
Phone: (407) 529 - 3000

FLOOR PLAN W/ NOTES

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 03C.0
OF SHEETS



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 3½" UNLESS NOTED OTHERWISE.
4. ALL EXTERIOR BLOCK WALL DIMENSIONS TO BE 7½" 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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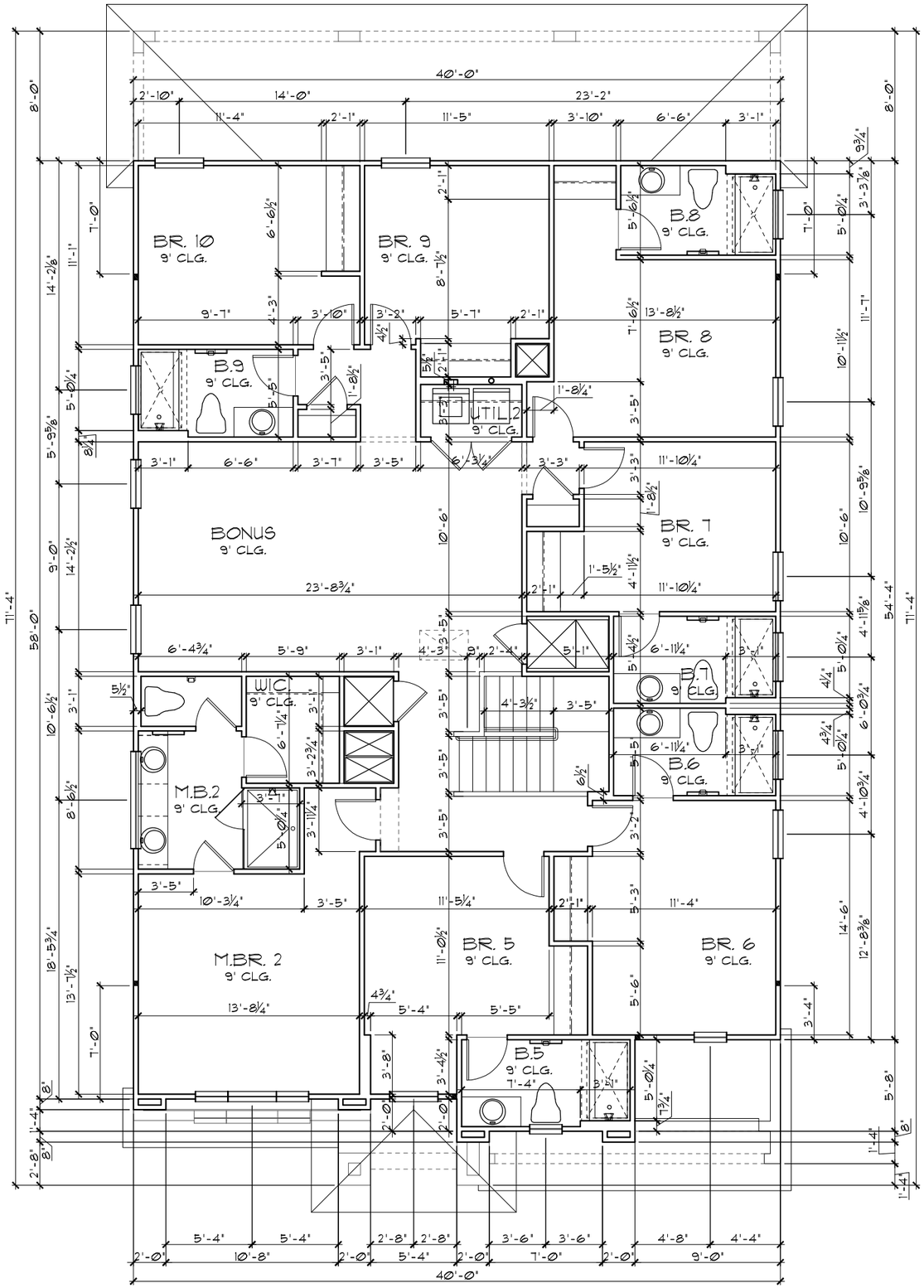
Park Square HOMES

UPPER FLOOR PLAN W/ DIMENSIONS

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 04A.0
OF SHEETS



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UPPER FLOOR PLAN W/ DIMENSIONS "B"

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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Park Square HOMES

UPPER FLOOR PLAN W/ DIMENSIONS

REEF

PARADISO GRANDE

4232

DATE 04-09-21

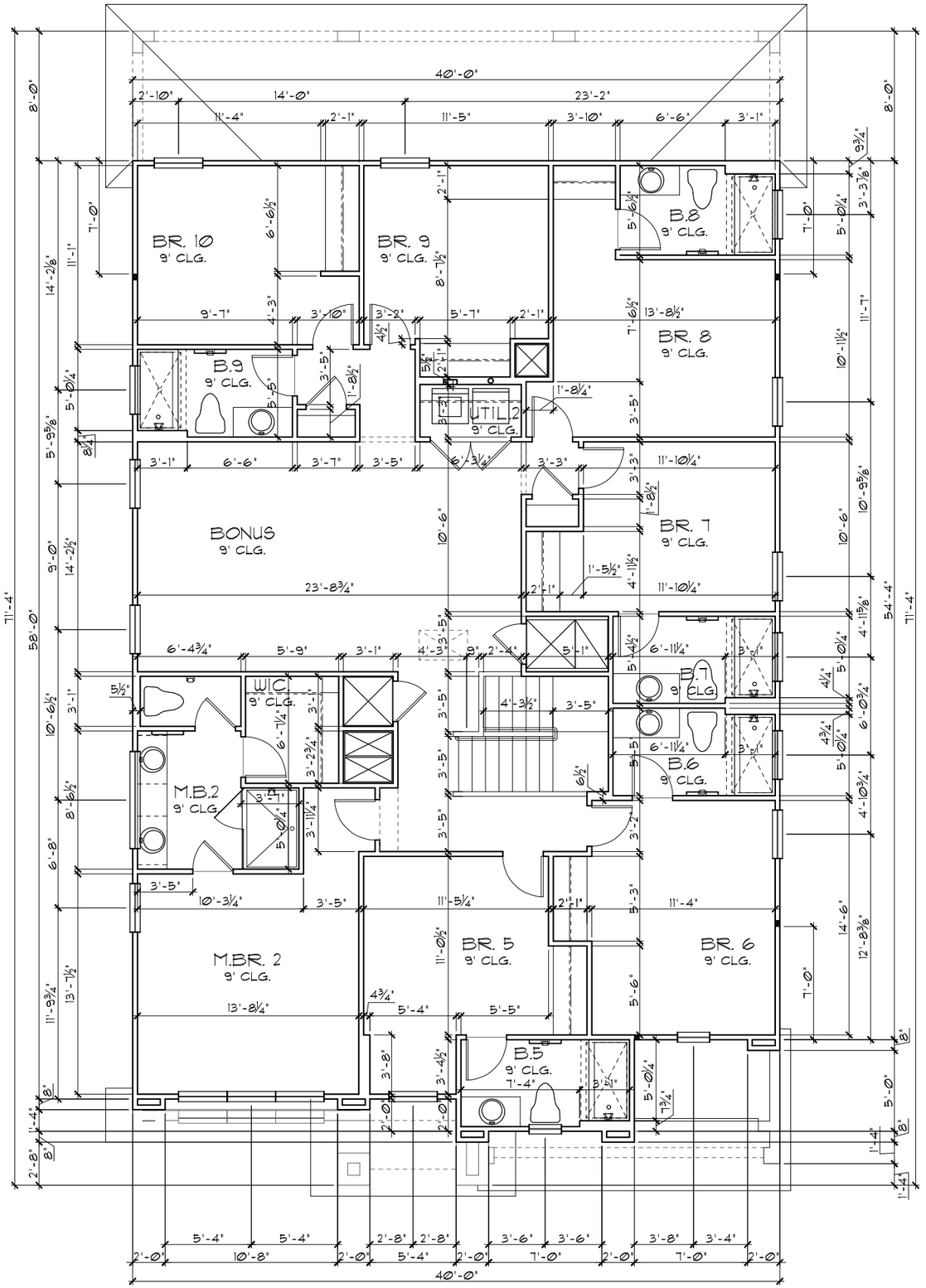
SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 04B.0

OF SHEETS



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UPPER FLOOR PLAN W/ DIMENSIONS "C"

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

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UPPER FLOOR PLAN W/ DIMENSIONS

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 04C.0
OF SHEETS

EGRESS WINDOW SCHEDULE- R310.2.1- FBCR2020		
SH25	33 1/2" H. X 30" W.	MIN. NET CLEAR OPENING 5.7 SQFT

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

LOAD INFORMATION

PER 7th EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

DEAD LOADS

FLOOR:	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	PARTITIONS	5 PSF
	TOTAL	20 PSF
ROOF:	SHEATHING	5 PSF
	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	TOTAL	20 PSF

FLOOR LIVE LOADS

RESIDENTIAL FLOOR: 40 PSF

STAIR LIVE LOAD: 40 PSF

ROOF LIVE LOADS

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 7th EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

1. BASIC WIND SPEED: 140 MPH
2. RISK CATEGORY: II
3. WIND EXPOSURE: B
4. INTERNAL PRESSURE +/-.18, INCLUDED COEFFICIENT: IN NOTE #5
5. COMPONENT / CLADDING SEE PLAN DESIGN WIND PRESSURE:

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

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

GENERAL NOTES

1. PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
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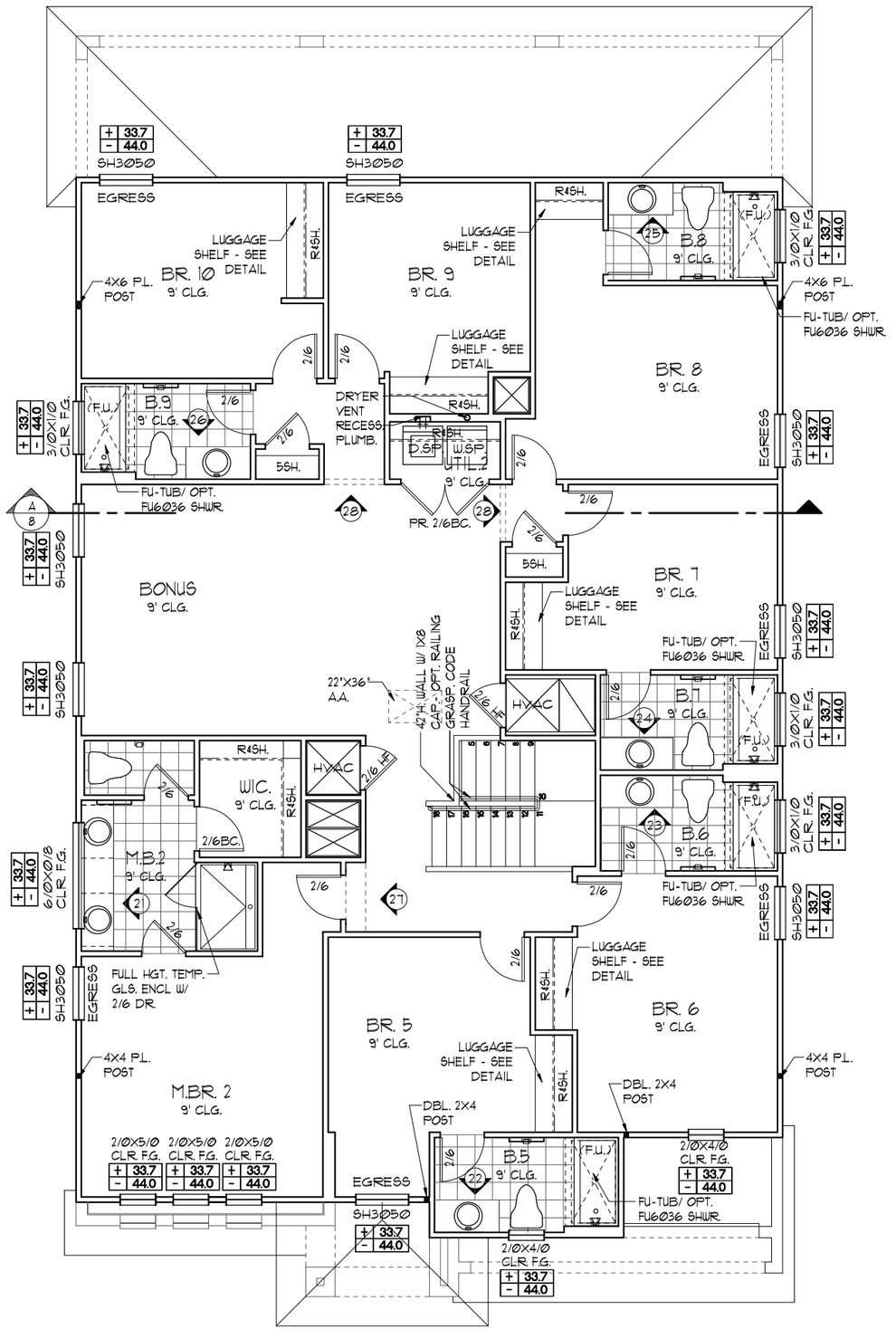
6. ALL 2ND. FLR. INTERIOR CEILINGS AT **9'-0"** UNLESS NOTED OTHERWISE.



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

UPPER FLOOR PLAN NOTES "A"

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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Park Square HOMES

FLOOR PLAN W/ NOTES

REEF

PARADISO GRANDE

4232

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 05A.0

OF SHEETS

EGRESS WINDOW SCHEDULE- R310.2.1- FBCR2020		
SH25	33 1/2" H. X 30" W.	MIN. NET CLEAR OPENING 5.7 SQFT

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

LOAD INFORMATION

PER 7th EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

DEAD LOADS

FLOOR:	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	PARTITIONS	5 PSF
	TOTAL	20 PSF
ROOF:	SHEATHING	5 PSF
	STRUCTURE	7 PSF
	CEILINGS	3 PSF
	MECH/ELEC	5 PSF
	TOTAL	20 PSF

FLOOR LIVE LOADS

RESIDENTIAL FLOOR: 40 PSF

STAIR LIVE LOAD: 40 PSF

ROOF LIVE LOADS

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 7th EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

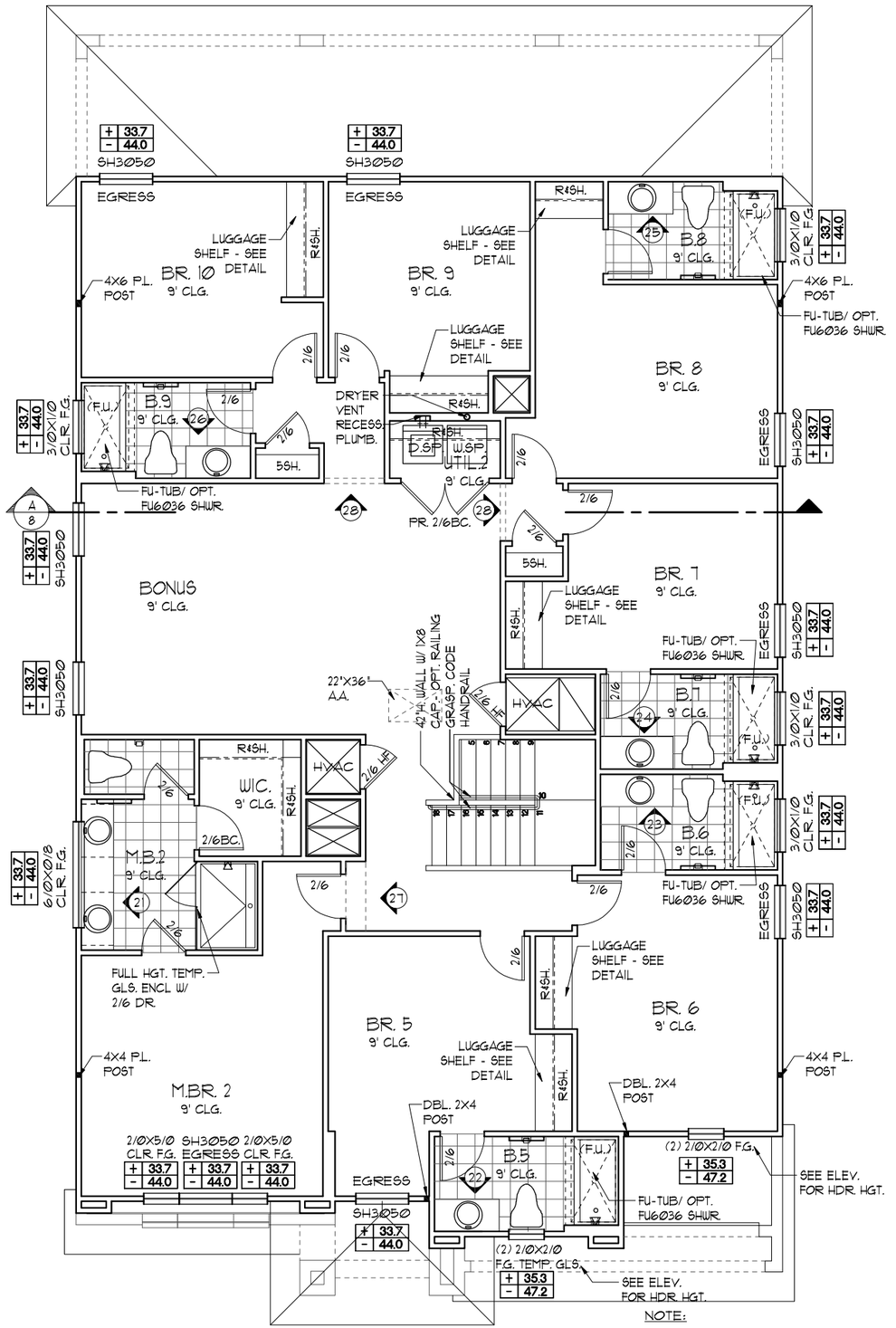
1. BASIC WIND SPEED: 140 MPH
2. RISK CATEGORY: II
3. WIND EXPOSURE: B
4. INTERNAL PRESSURE COEFFICIENT: +/-.18, INCLUDED IN NOTE #5
5. COMPONENT / CLADDING - SEE PLAN DESIGN WIND PRESSURE:

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

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

GENERAL NOTES

1. PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
2. VENT DRYER THRU EXTERIOR WALL.
3. PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
5. REFER TO DETAIL SHEETS FOR FLASHING REQUIREMENTS AT ALL WOOD TO MASONRY INTERFACES
6. ALL 2ND. FLR. INTERIOR CEILINGS AT **9'-0"** UNLESS NOTED OTHERWISE.



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

UPPER FLOOR PLAN NOTES "B"

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

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PARADISO GRANDE

LOT: 0000, PARADISO GRANDE

REVISIONS	BY

Engineering By:
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PHONE 407-721-2292

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Phone: (407) 529 - 3000

Park Square HOMES

FLOOR PLAN W/ NOTES

REEF

PARADISO GRANDE

4232

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	4232
SHEET	05B.0
OF	SHEETS

EGRESS WINDOW SCHEDULE- R310.2.1- FBCR2020		
SH25	33 1/2" H. X 30" W.	MIN. NET CLEAR OPENING 5.7 SQFT

NOTE:

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LOAD INFORMATION

PER 7th EDITION, 2020 FLORIDA BUILDING RESIDENTIAL CODE

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	CEILINGS	3 PSF
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	TOTAL	20 PSF
ROOF:	SHEATHING	5 PSF
	STRUCTURE	7 PSF
	CEILINGS	3 PSF
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FLOOR LIVE LOADS

RESIDENTIAL FLOOR: 40 PSF

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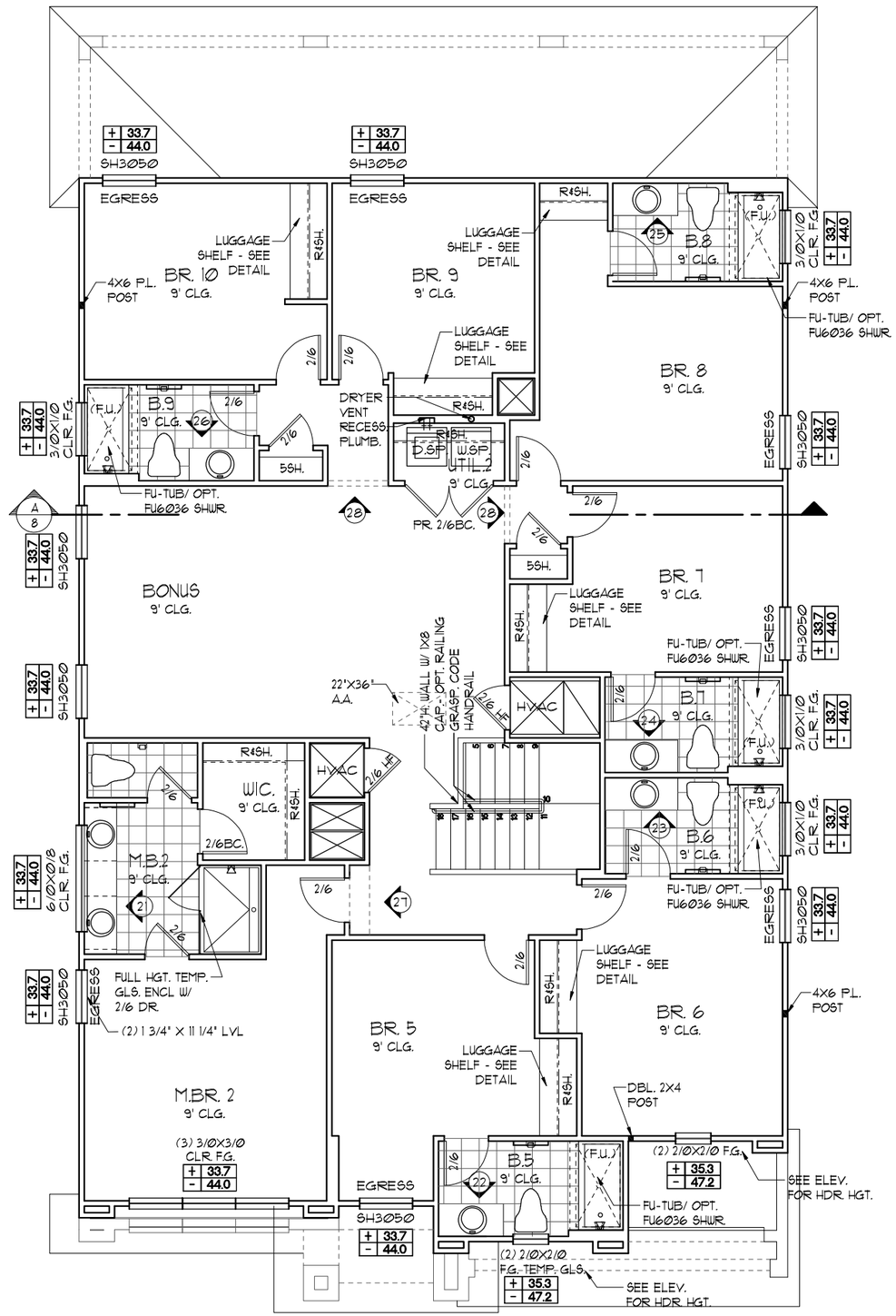

NOTE: ALL INTERIOR DOORS ON THIS FLOOR TO BE: **6'-8"** U.N.O. - VERIFY WITH COLOR SHEET.

UPPER FLOOR PLAN NOTES "C"

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

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PARADISO GRANDE

LOT: 0000, PARADISO GRANDE

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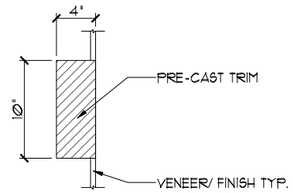
FLOOR PLAN W/ NOTES

REEF

PARADISO GRANDE

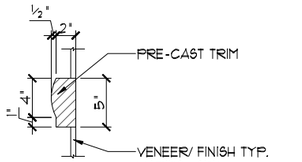
4232

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	4232
SHEET	05C.0
OF	SHEETS



1 / 6A DETAIL

3/4"=1'-0" (11X17) 1½"=1'-0" (22X34)

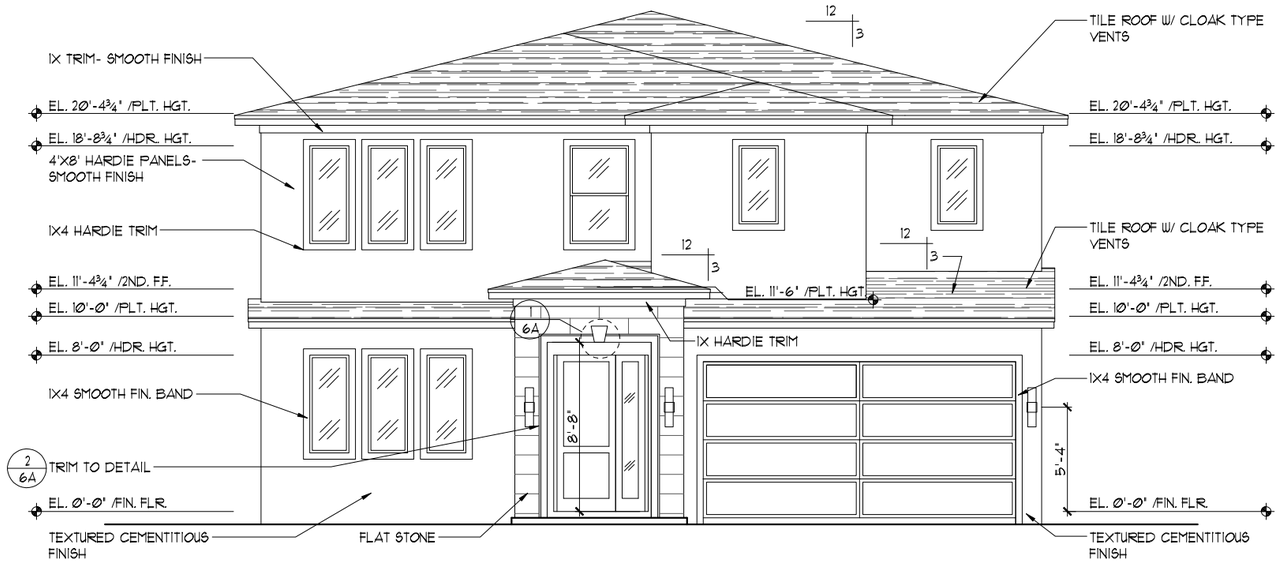


2 / 6A DETAIL

3/4"=1'-0" (11X17) 1½"=1'-0" (22X34)

EXTERIOR FINISH NOTES

1. LATH TO BE ATTACHED IAW R703.7.1 OF THE 7TH EDITION, FBCR. 2020
2. PLASTERING TO BE WITH PORTLAND CEMENT, INSTALLED IAW R703.7.2 OF THE 7TH EDITION, FBCR. 2020
3. WEEP SCREED TO BE INSTALLED IAW R703.7.2.1 OF THE 7TH EDITION, FBCR. 2020
4. WATER RESISTANT BARRIER TO BE INSTALLED IAW R703.7.3 OF THE 7TH EDITION, FBCR. 2020
5. "ZIP SYSTEMS" WALL AND ROOF SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL AND ROOF SHEATHING AND VAPOR BARRIER, ON EXTERIOR WALLS AND ROOF.



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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Park Square HOMES

EXTERIOR ELEVATION "A" FRONT AND REAR

REEF

PARADISO GRANDE

4232

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 06A.0

OF SHEETS

EXTERIOR FINISH NOTES

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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)

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Park Square HOMES

EXTERIOR ELEVATION "B" FRONT AND REAR

REEF

PARADISO GRANDE

4232

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 06B.0

OF SHEETS

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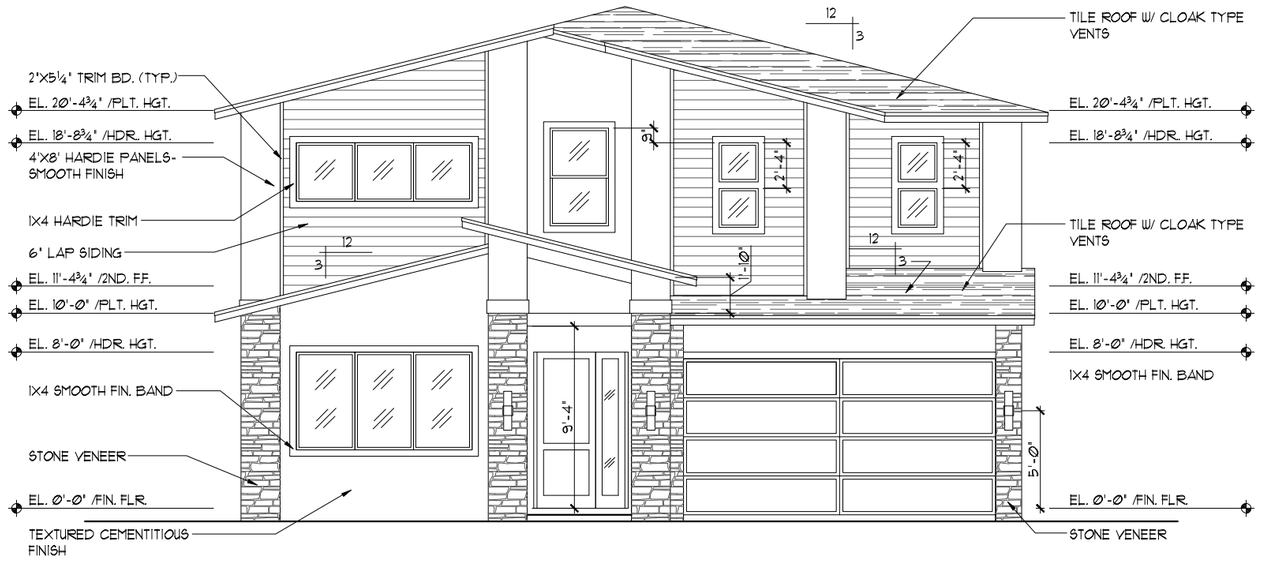

FRONT ELEVATION "C"

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

REAR ELEVATION

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EXTERIOR ELEVATION "C" FRONT AND REAR

REEF

PARADISO GRANDE

4232

DATE 04-09-21

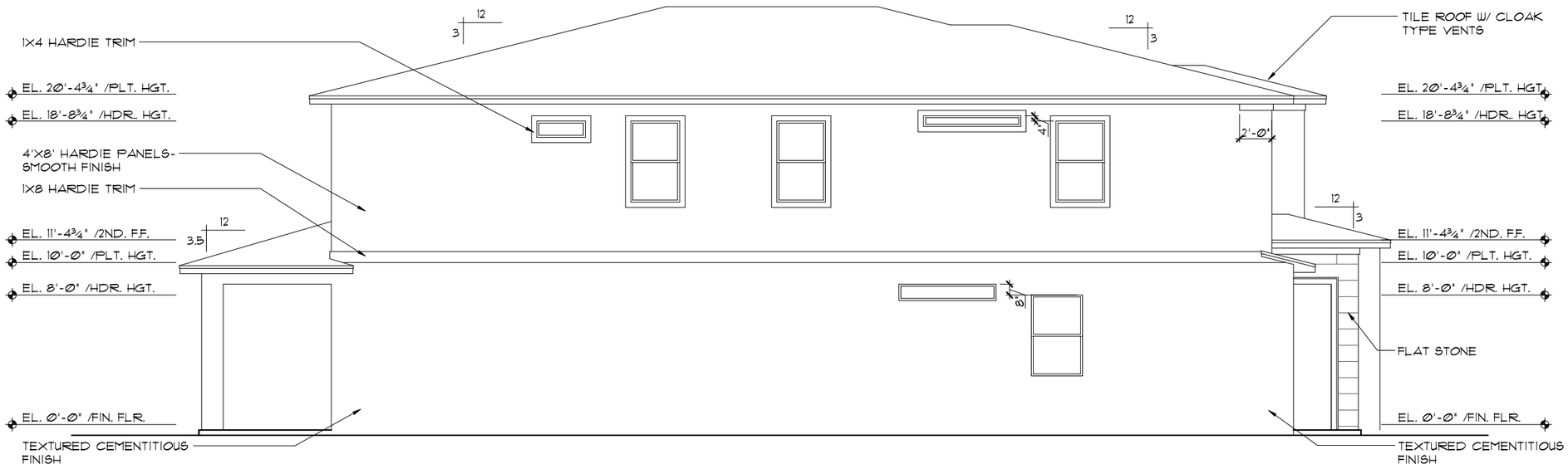
SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 06C.0

OF SHEETS



LEFT ELEVATION "A"

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

EXTERIOR FINISH NOTES

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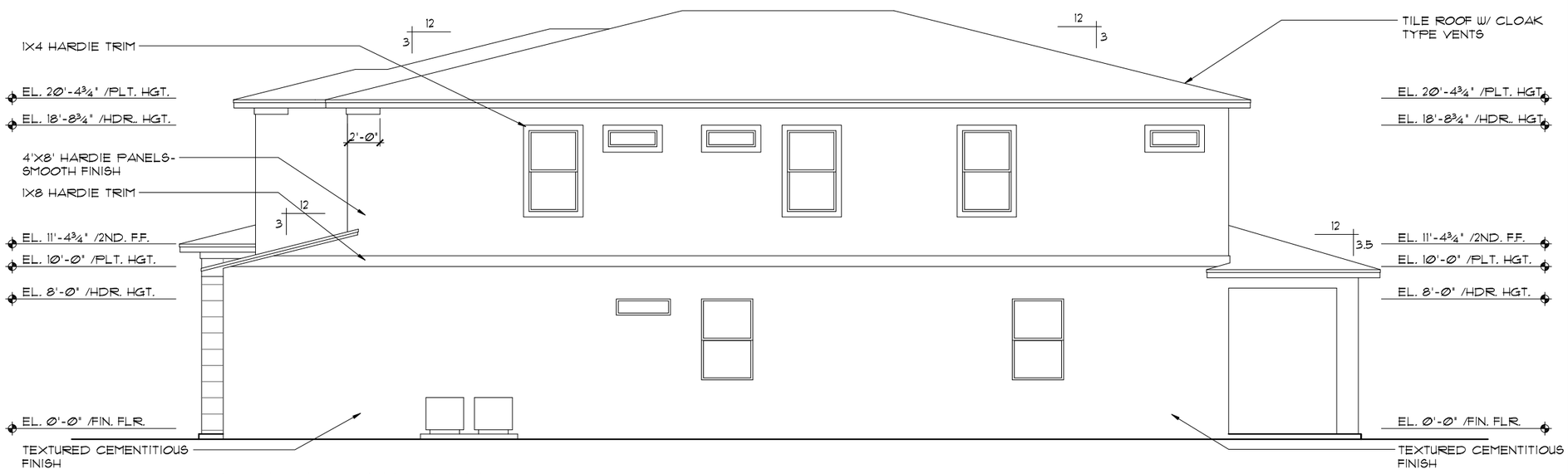

RIGHT ELEVATION "A"

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Park Square HOMES

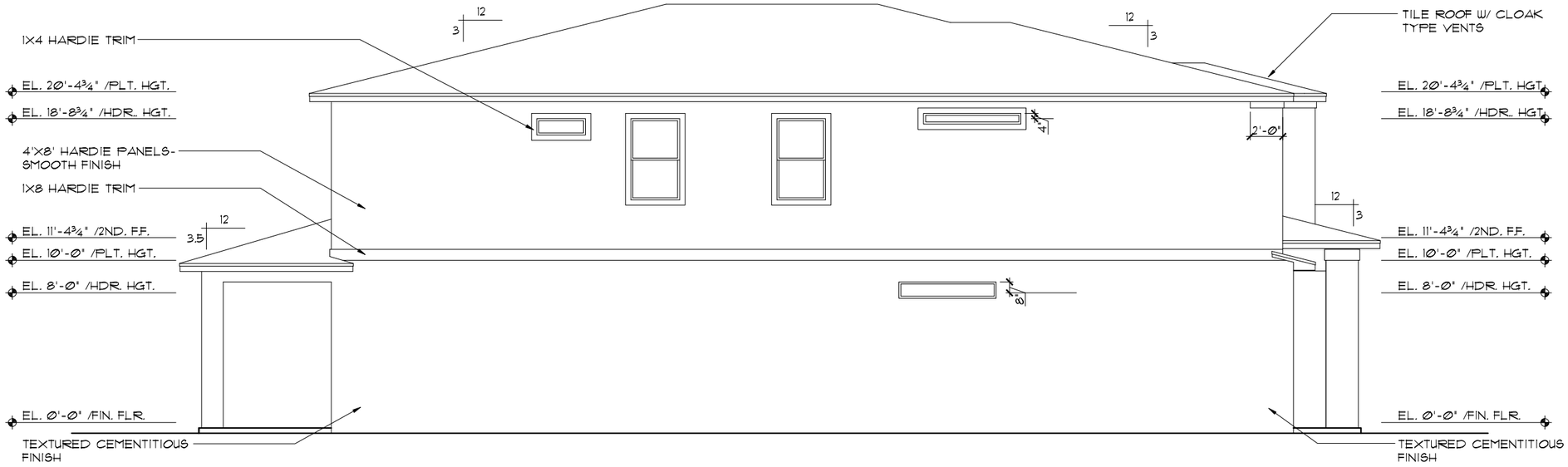
EXTERIOR ELEVATIONS "A" LEFT AND RIGHT

REEF

PARADISO GRANDE

4232

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	4232
SHEET	07A.0
OF	SHEETS



LEFT ELEVATION "B"

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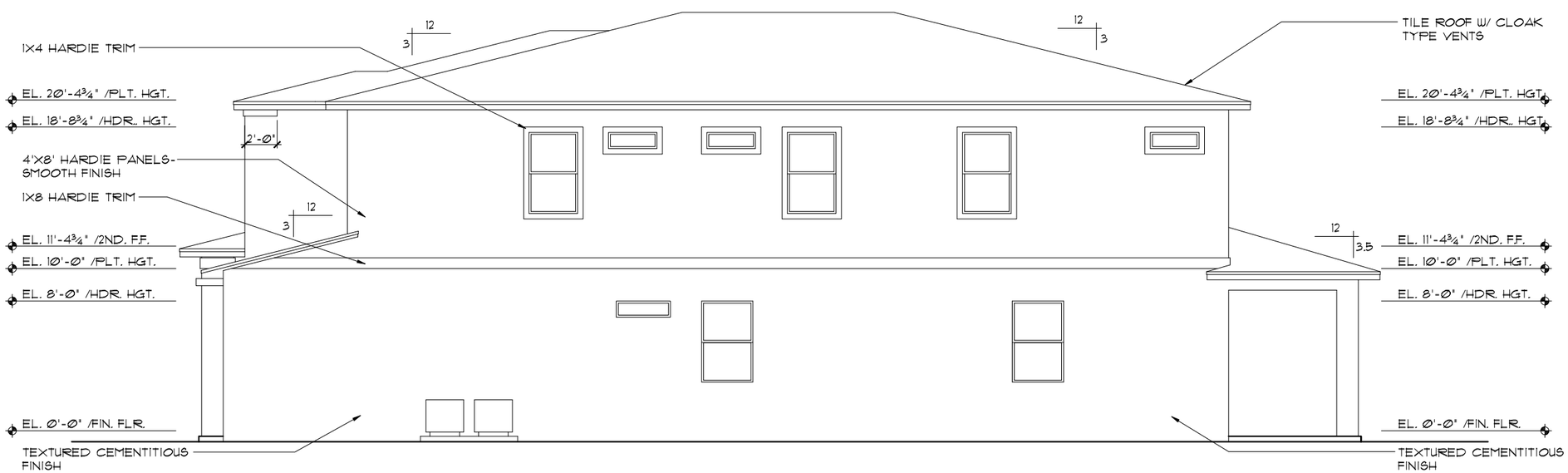

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Park Square HOMES

EXTERIOR ELEVATIONS "B" LEFT AND RIGHT

REEF

PARADISO GRANDE

4232

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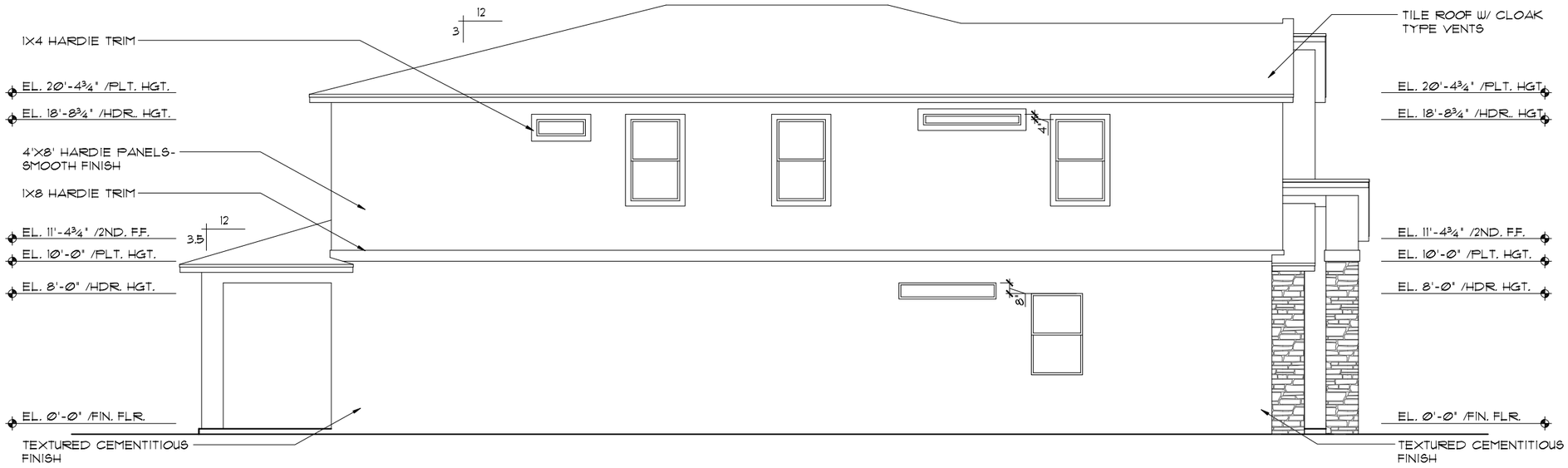
DRAWN	RDC
JOB	4232
SHEET	07B.0
OF	SHEETS



LEFT ELEVATION "C"

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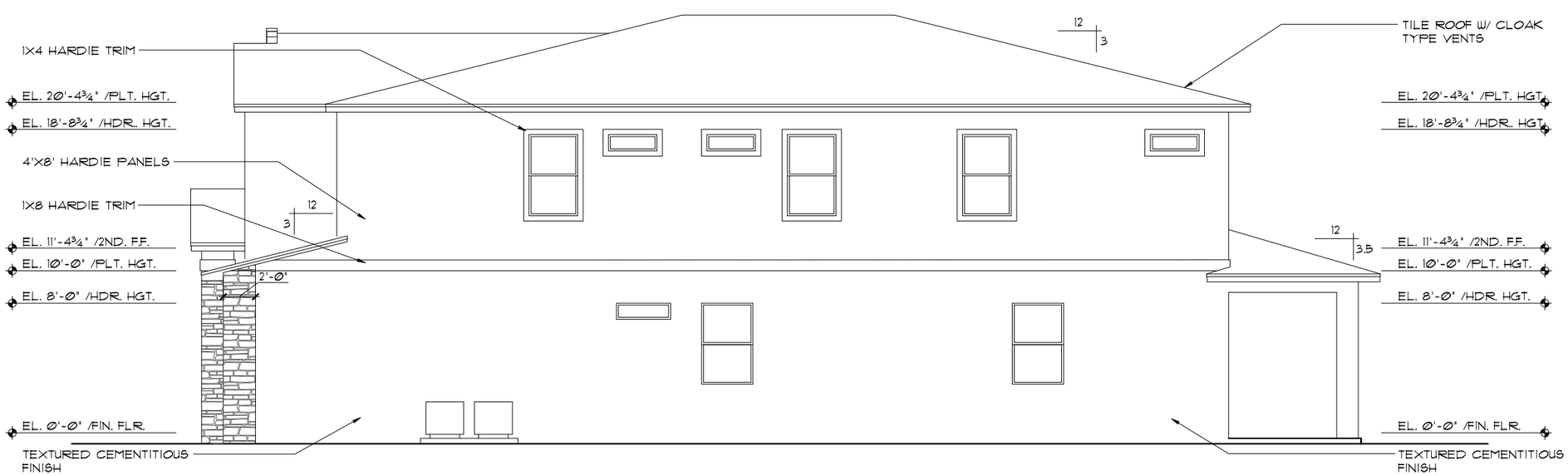

RIGHT ELEVATION "C"

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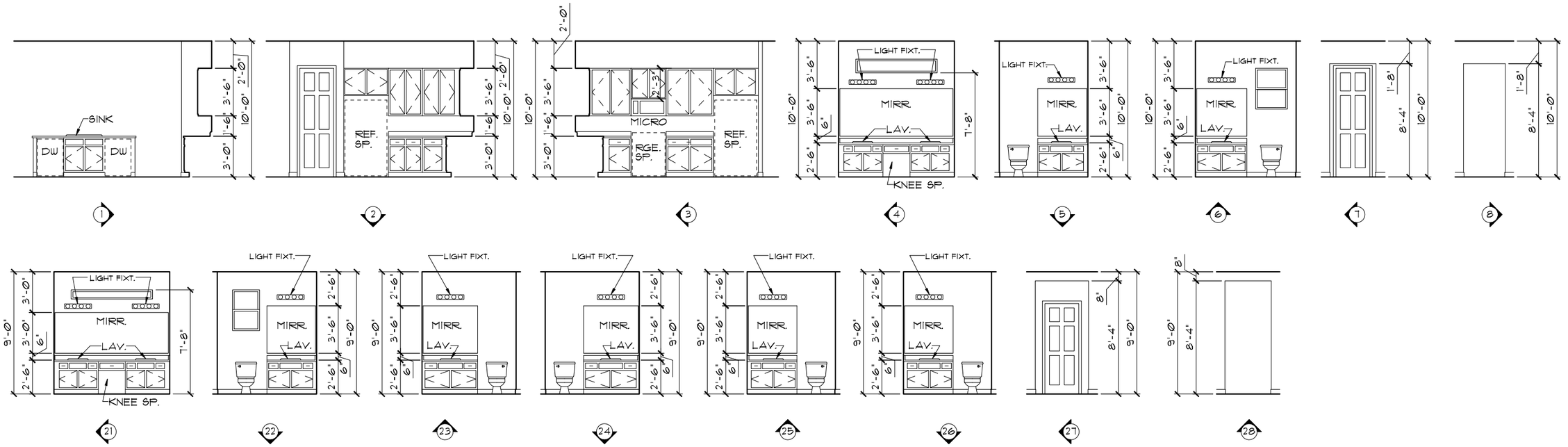
Park Square HOMES

EXTERIOR ELEVATIONS "C" #1
LEFT AND RIGHT

REEF
PARADISO GRANDE

4232

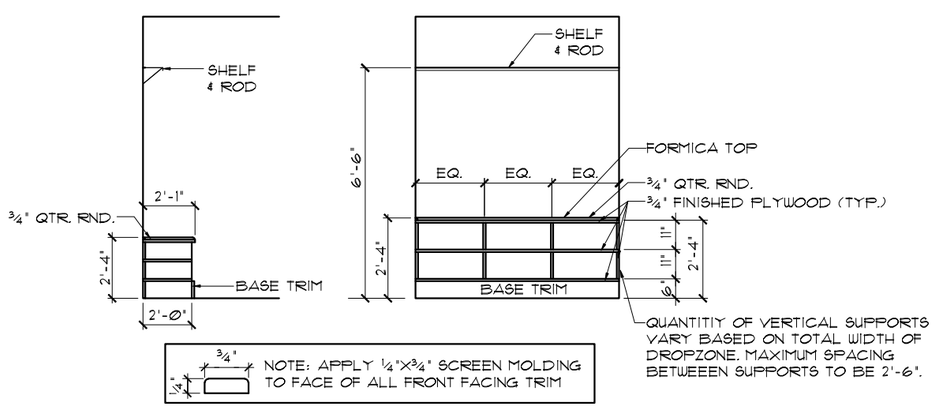
DATE	04-08-21
SCALE	AS NOTED
DRAWN	RDC
JOB	4232
SHEET	07C.0
OF	SHEETS



INTERIOR ELEVATIONS

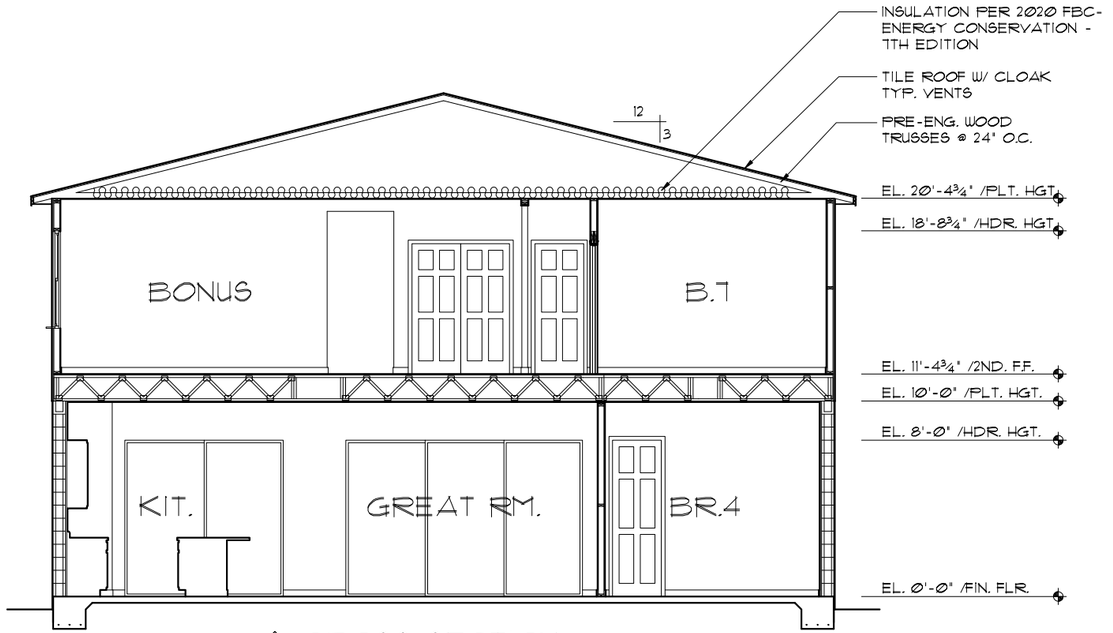
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

NOTE: INTERIOR ELEVATIONS ARE CONCEPTUAL ONLY. SEE CABINET SHOP DRAWINGS FOR FINAL VERIFICATION.



LUGGAGE SHELF DETAIL

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



CROSS SECTION

A/08 1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, PARADISO GRANDE

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PARADISO GRANDE

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Orlando, Florida 32811
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Park Square HOMES

CROSS SECTION / INTERIOR ELEVATIONS

REEF

PARADISO GRANDE

4232

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 08 OF SHEETS

MECHANICAL/GENERAL NOTES

PER 7TH 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.) SUFFICIENT SPACE SHALL BE PROVIDED ADJACENT TO THE MECHANICAL COMPONENTS TO ASSURE ADEQUATE ACCESS FOR:
A.) CONSTRUCTION AND SEALING, AND
B.) SECTION M1601 PER THE FBCR 2014 5TH ED.

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 7TH EDITION.

4.) IAW NEC 2017- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS THAT SUPPLY OUTLETS IN DWELLING UNITS- FAIMLY 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- 406.11, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.

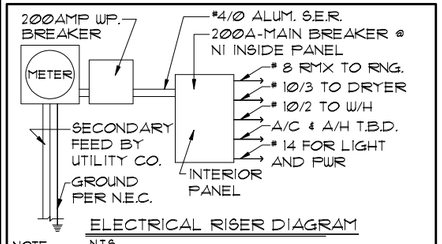
6.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS, SHALL BE INTERCONNECTED, SHALL BE WITHIN 1' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIR- STREAM & EQUIPPED W/ A BATTERY BACKUP. ALARMS MAY NOT BE CONNECTED WHERE ALARMS ARE WIRELESS & ALL ALARMS SOUND UPON ACTIVATION IAW FBCR R314.3 & R314.4.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

7.) 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, 7TH ED. P2801.6

8.) 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. 7TH ED.

9.) THE TOTAL LENGTH OF VENTING FOR DRYER TO BE: **5'-0" MAXIMUM**

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

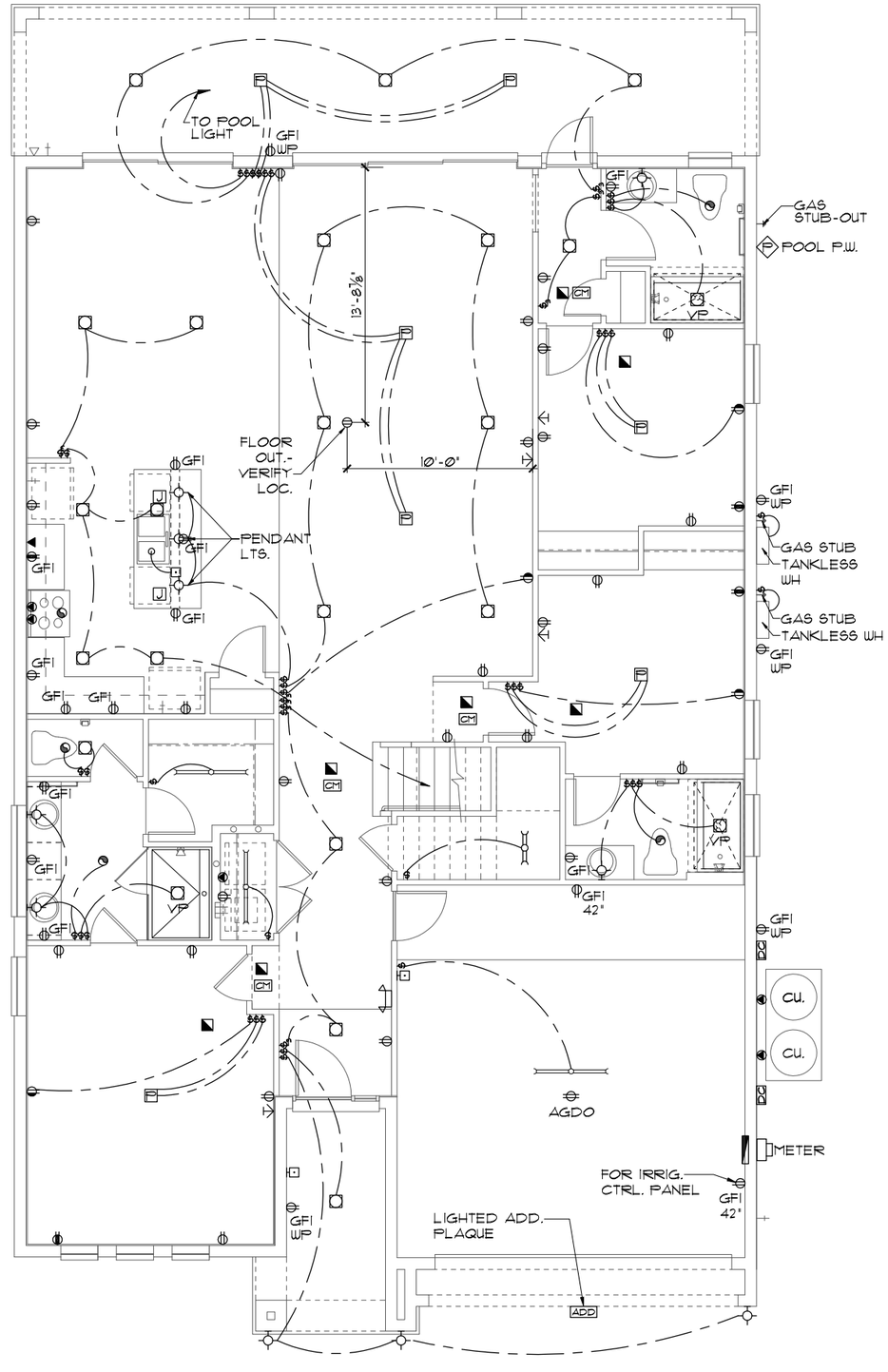


ELECTRICAL RISER DIAGRAM

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 & LOCAL POWER COMPANY

ELECTRICAL LEGEND

$	SINGLE POLE SWITCH		OUTLET, TV/CABLE
$3	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.	CM	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
	LIGHT FIXT., RECESSED		ELECTRICAL PANEL
	LIGHT FIXT., REC. ADJUST.	F	CEILING FAN, PREWIRE
PC	LIGHT FIXT., PULL CHAIN	F	CEILING FAN, INSTALL
	LIGHT FIXT.,FLUORESCENT	J	ELECT. JUNCTION BOX
	LIGHT FIXT., EXT. FLOODS	T	THERMOSTAT
EXIT	LIGHT FIXT., EMERG. EXIT	DC	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 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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PARADISO GRANDE

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Park Square HOMES

ELECTRICAL PLAN

REEF

PARADISO GRANDE

4232

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 09A.0

OF SHEETS

MECHANICAL/GENERAL NOTES

PER 7TH 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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B.) SECTION M1601 PER THE FBCR 2014 5TH ED.

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 7TH EDITION.

4.) IAW NEC 2017- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS THAT SUPPLY OUTLETS IN DWELLING UNITS- FAIMLY 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- 406.11, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.

6.) 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

7.) 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, 7TH ED. P2801.6

8.) 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, 7TH ED.

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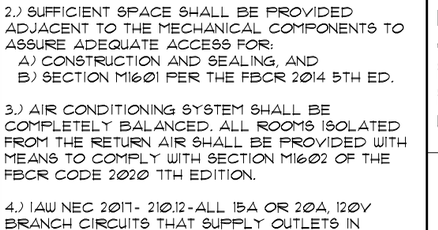
NOTE: IF MORE THAN 12 SMOKE ALARMS OR CARBON MONOXIDE ALARM COMBINATION ARE INSTALLED IN THE HOME CRIME PREVENTION WILL PULL A SEPARATE FIRE PERMIT AND THE SYSTEM WILL BE MONITORED



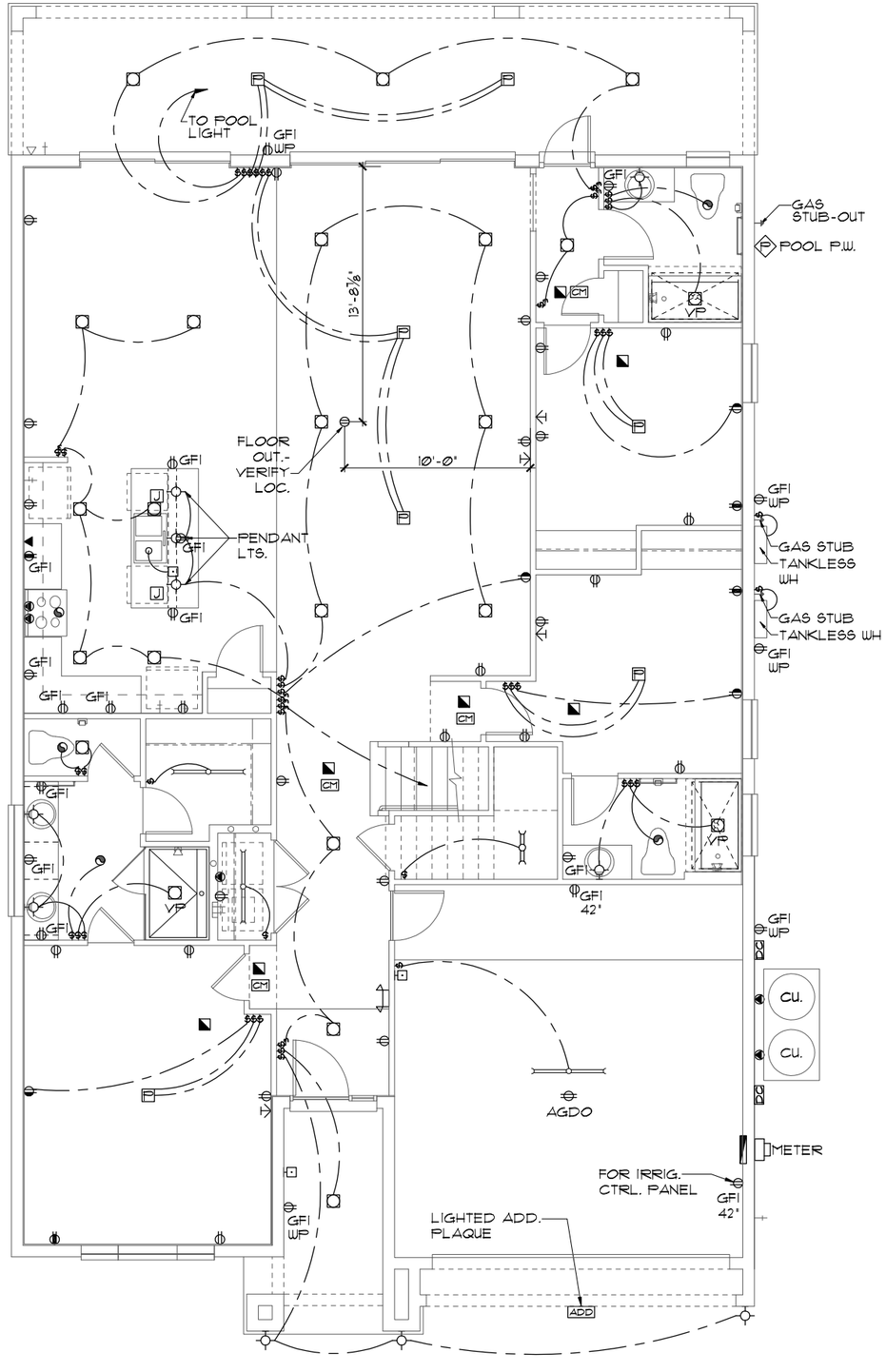
ELECTRICAL RISER DIAGRAM

N.T.S.

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

ELECTRICAL LEGEND

$	SINGLE POLE SWITCH		OUTLET, TV/CABLE
$3	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.	CM	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
	LIGHT FIXT., RECESSED		ELECTRICAL PANEL
	LIGHT FIXT., REC. ADJUST.	F	CEILING FAN, PREWIRE
	LIGHT FIXT., PULL CHAIN	F	CEILING FAN, INSTALL
	LIGHT FIXT.,FLUORESCENT	J	ELECT. JUNCTION BOX
	LIGHT FIXT., EXT. FLOODS	DT	THERMOSTAT
EXIT	LIGHT FIXT., EMERG. EXIT	DC	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 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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PARADISO GRANDE

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

ELECTRICAL PLAN

REEF

PARADISO GRANDE

4232

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 09B.0

OF SHEETS

MECHANICAL/GENERAL NOTES

PER 7TH ED. 2020 FLA BLD. CODE-RESIDENTIAL

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5.) IAW NEC 2017- 406.11, ALL 15A AND 20A, 125V RECEPTACLES SHALL BE LISTED AS TAMPER RESISTANT.

6.) 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

7.) 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, 7TH ED. P2801.6

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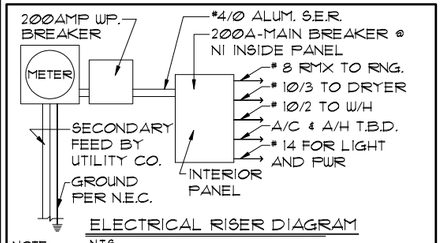
9.) THE TOTAL LENGTH OF VENTING FOR DRYER TO BE: **5'-0" MAXIMUM**

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



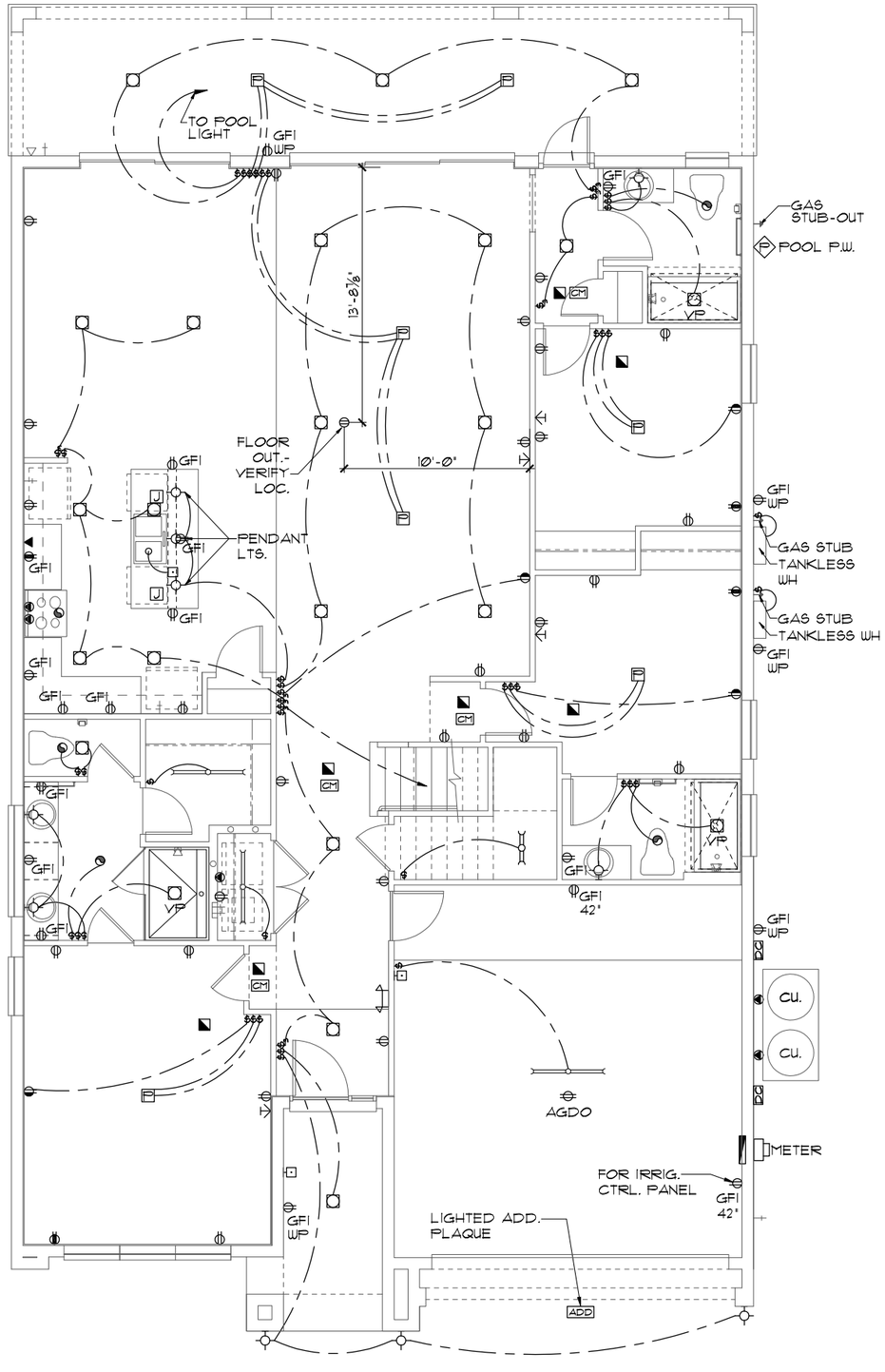
ELECTRICAL RISER DIAGRAM

N.T.S.

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

ELECTRICAL LEGEND

$	SINGLE POLE SWITCH		OUTLET, TV/CABLE
$3	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.	CM	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
	LIGHT FIXT., RECESSED		ELECTRICAL PANEL
	LIGHT FIXT., REC. ADJUST.	F	CEILING FAN, PREWIRE
	LIGHT FIXT., PULL CHAIN	F	CEILING FAN, INSTALL
	LIGHT FIXT.,FLUORESCENT	J	ELECT. JUNCTION BOX
	LIGHT FIXT., EXT. FLOODS	DT	THERMOSTAT
EXIT	LIGHT FIXT., EMERG. EXIT	DC	DISCONNECT SWITCH
	LIGHT FIXT., EXIT/BACKUP		ELEC. POWER METER



ELECTRICAL PLAN "C"

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

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Park Square HOMES

ELECTRICAL PLAN

REEF

PARADISO GRANDE

4232

DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET E0C.0

OF SHEETS

MECHANICAL/GENERAL NOTES

PER 7TH 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 ACESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.
A.) CHAPTER 13 OF THE FBC-R 2020 7TH 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 7TH 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, 7TH ED. P2801.7

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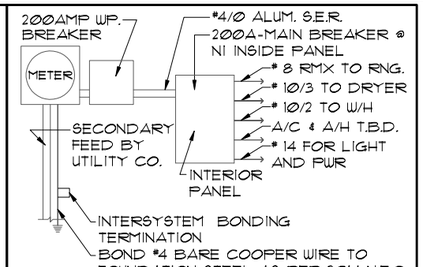
10.)THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH SHALL BE DETERMINED BY ONE OF THE METHODS SPECIFIED IN SECTIONS M1502.4.5.1 THROUGH M1502.4.5.3

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

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



ELECTRICAL RISER DIAGRAM

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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 ½ 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

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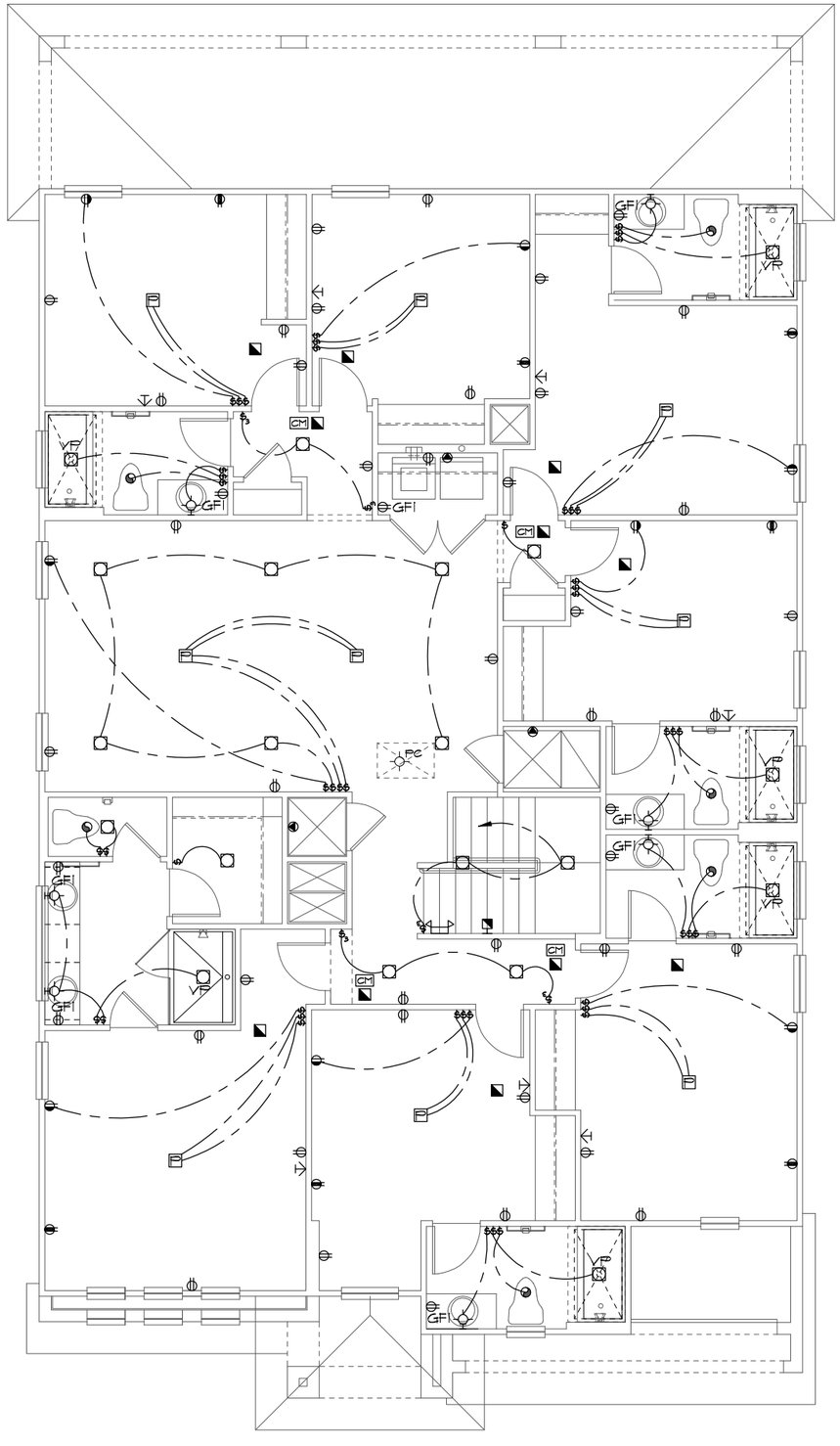
$3	THREE WAY SWITCH		OUTLET, PHONE
	OUTLET 110-115		INTERCOM
	OUT. 110-115, SPLIT WIRED		CHIMES
	OUT. 110-115, W/ USB		SMOKE DETECTOR
	OUT. 110-115, CLG. MOUNT.	CM	CARBON MONOXIDE
	OUT. 110-115, FLR. MOUNT.		PUSH BUTTON
	SPCL. PURPOSE 220-240		EXHAUST FAN
	LIGHT FIXT., CLG. MTD.		EX. FAN/LIGHT COMBO
	LIGHT FIXT., WALL MTD.		DISPOSAL
	LIGHT FIXT., RECESSED		ELECTRICAL PANEL
	LIGHT FIXT., REC. ADJUST.		CEILING FAN, PREWIRE
	LIGHT FIXT., PULL CHAIN		CEILING FAN, INSTALL
	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)

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LOT: 0000, PARADISO GRANDE

PARADISO GRANDE

REVISIONS	BY

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

Park Square HOMES

ELECTRICAL PLAN

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 10A.0
OF SHEETS

MECHANICAL/GENERAL NOTES

PER 7TH 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 ACESSIBLE FOR INSPECTION, SERVICE, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION.
A.) CHAPTER 13 OF THE FBC-R 2020 7TH 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 7TH 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.
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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, 7TH 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, 7TH ED.

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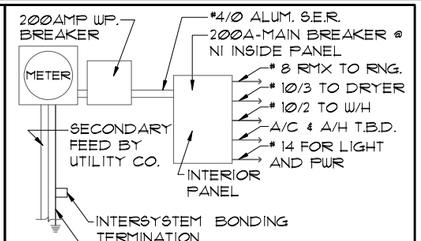
11.) ALL ELECTRICAL WORK TO BE DONE PER **NEC 2017**

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



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 ½ 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.

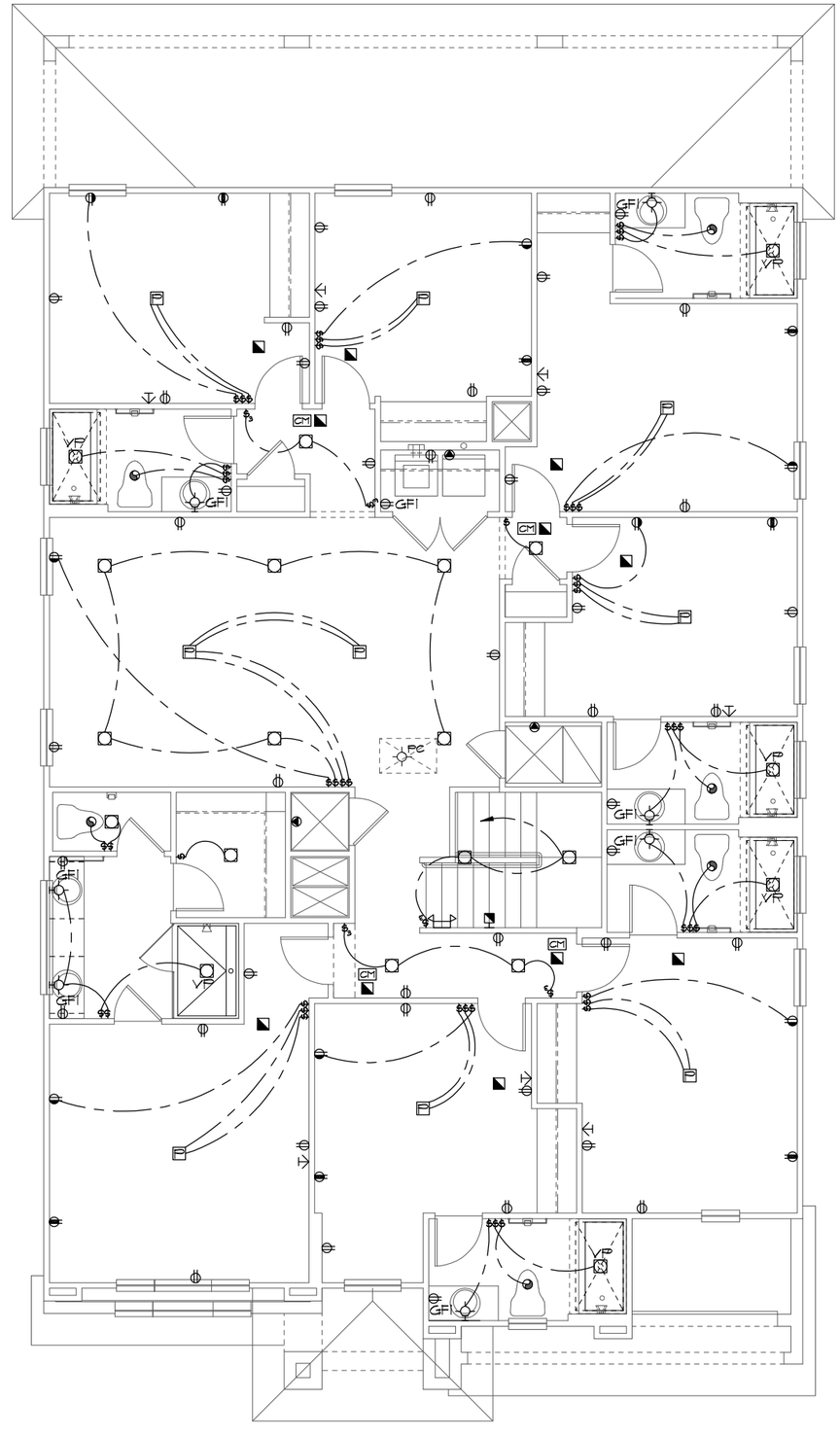
The steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive material.

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
$3	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.	CM	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
	LIGHT FIXT., RECESSED		ELECTRICAL PANEL
E	LIGHT FIXT., REC. ADJUST.	F	CEILING FAN, PREWIRE
PC	LIGHT FIXT., PULL CHAIN	F	CEILING FAN, INSTALL
	LIGHT FIXT.,FLUORESCENT	J	ELECT. JUNCTION BOX
	LIGHT FIXT., EXT. FLOODS	T	THERMOSTAT
EXIT	LIGHT FIXT., EMERG. EXIT	DS	DISCONNECT SWITCH
	LIGHT FIXT., EXIT/BACKUP		ELEC. POWER METER



ELECTRICAL PLAN "B"

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ELECTRICAL PLAN

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
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SHEET 10B.0
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MECHANICAL/GENERAL NOTES

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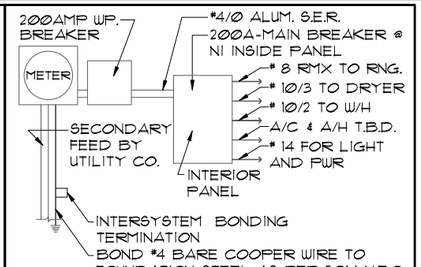

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	OUT. 110-115, FLR. MOUNT.		PUSH BUTTON
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	LIGHT FIXT., PULL CHAIN		CEILING FAN, INSTALL
	LIGHT FIXT.,FLUORESCENT		ELECT. JUNCTION BOX
	LIGHT FIXT., EXT. FLOODS		THERMOSTAT
EXIT	LIGHT FIXT., EMERG. EXIT		DISCONNECT SWITCH
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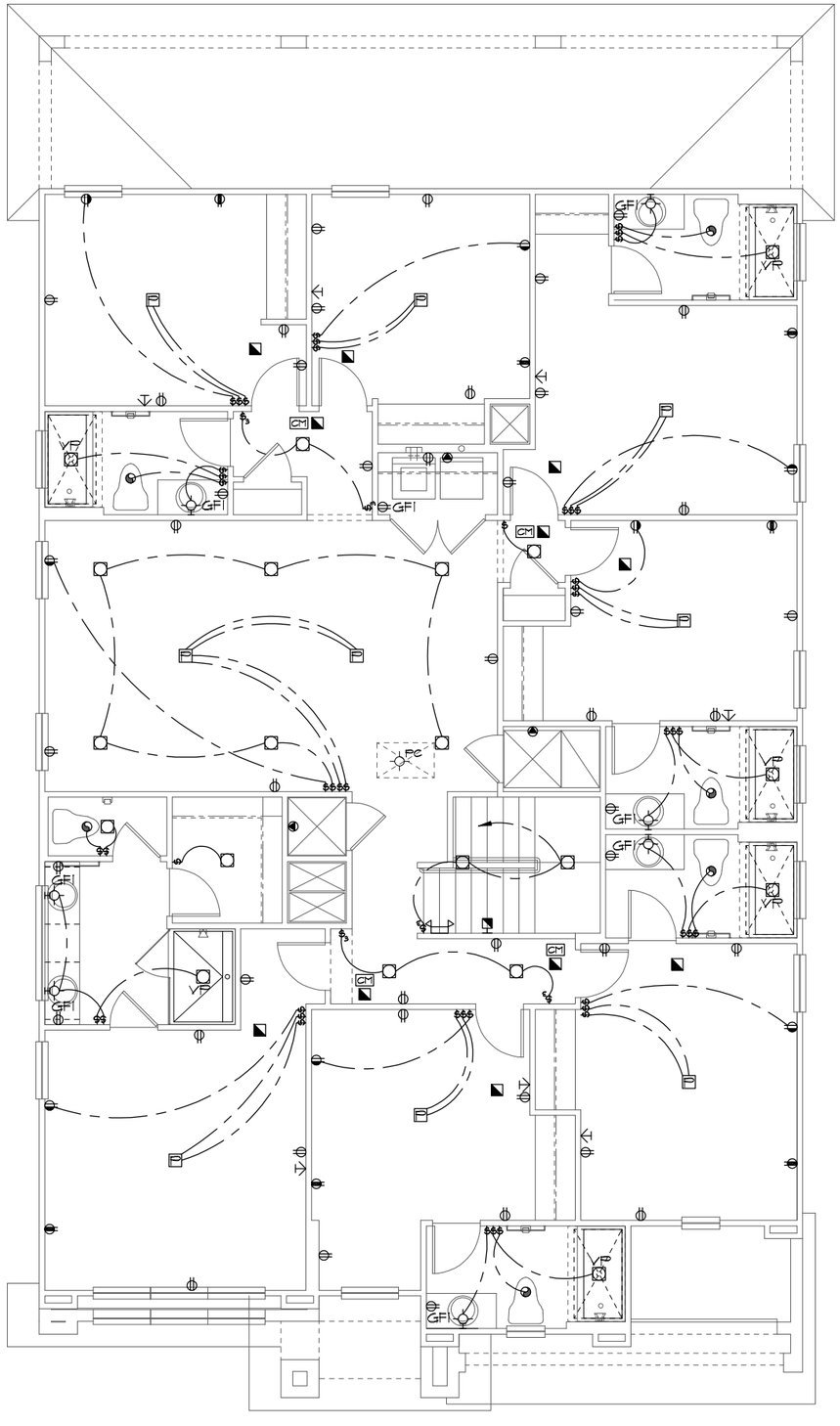

ELECTRICAL PLAN "C"

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PARADISO GRANDE

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ELECTRICAL PLAN

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 10C.0
OF SHEETS

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 7TH EDITION (2020) 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 BCSI 1.
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8. OFF RIDGE VENTS MAXIMUN OPENING SIZES :
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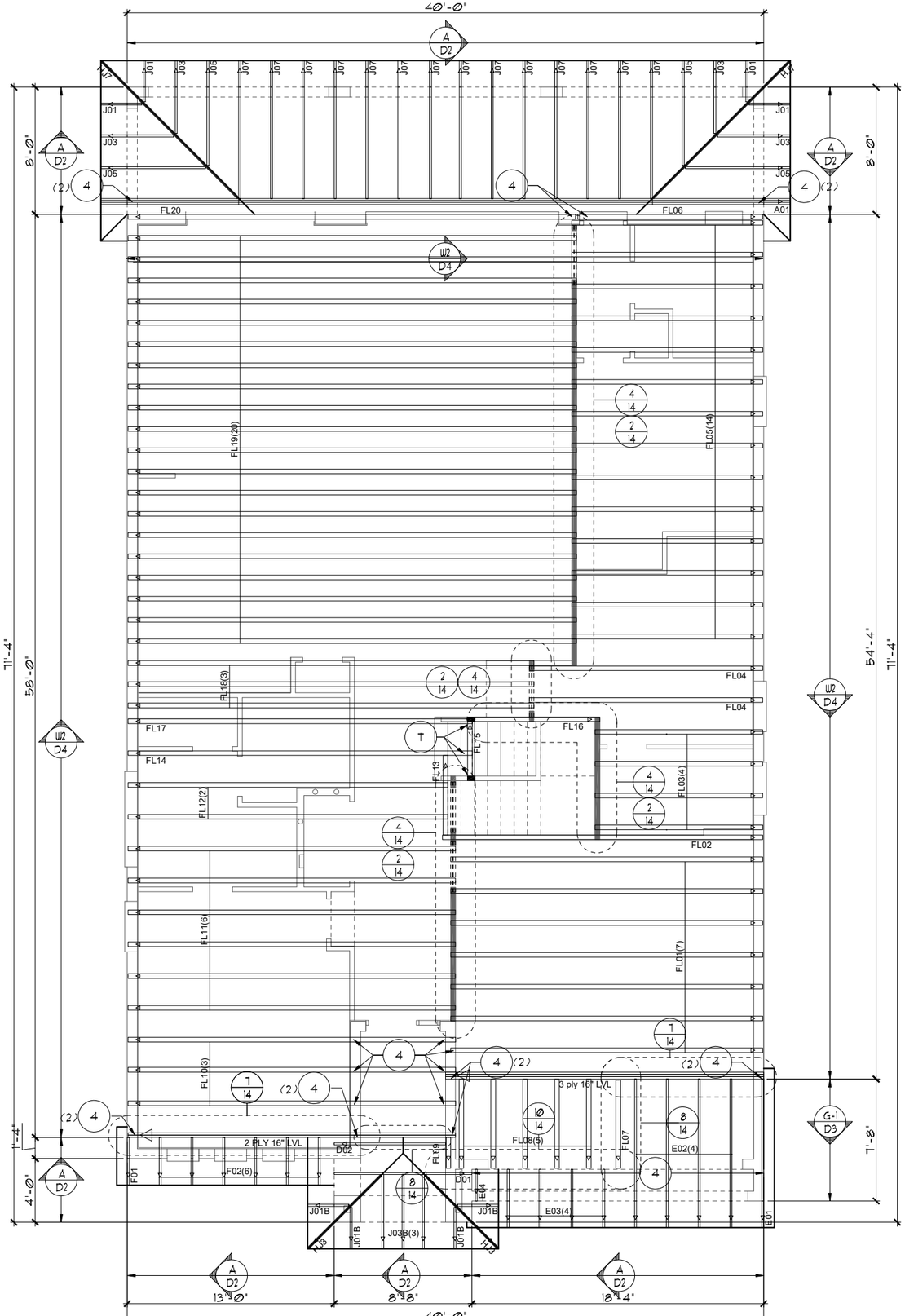
9. TILE ROOF TO BE INSTALLED IAW FBCR 2020, 7TH EDITION ASTM C1492-R905.3.5



TRUSS LAYOUT "A"

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TRUSS LAYOUT

REEF
PARADISO GRANDE

4232

DATE	04-09-21
SCALE	AS NOTED
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SHEET	11A.0
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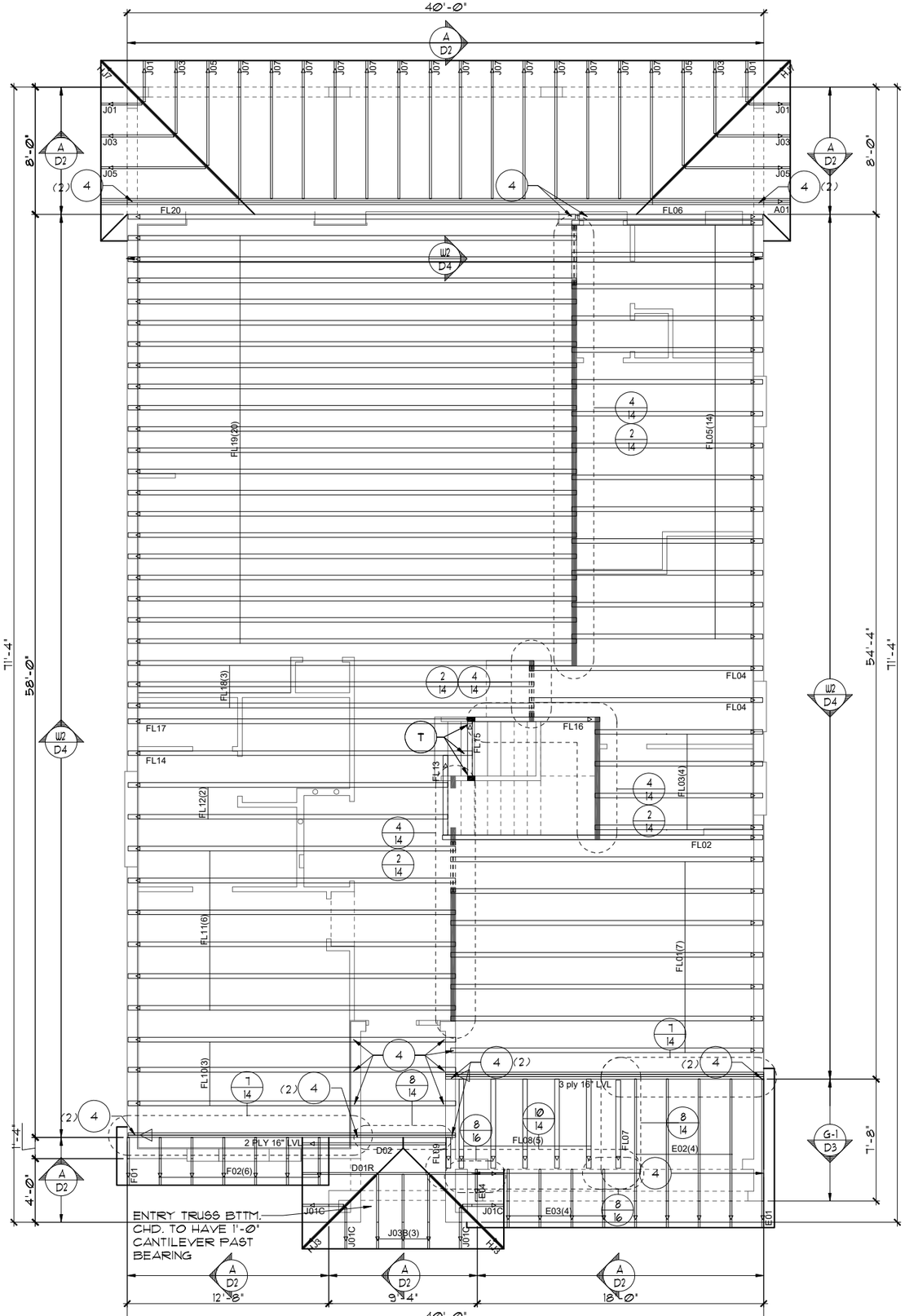

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TRUSS LAYOUT

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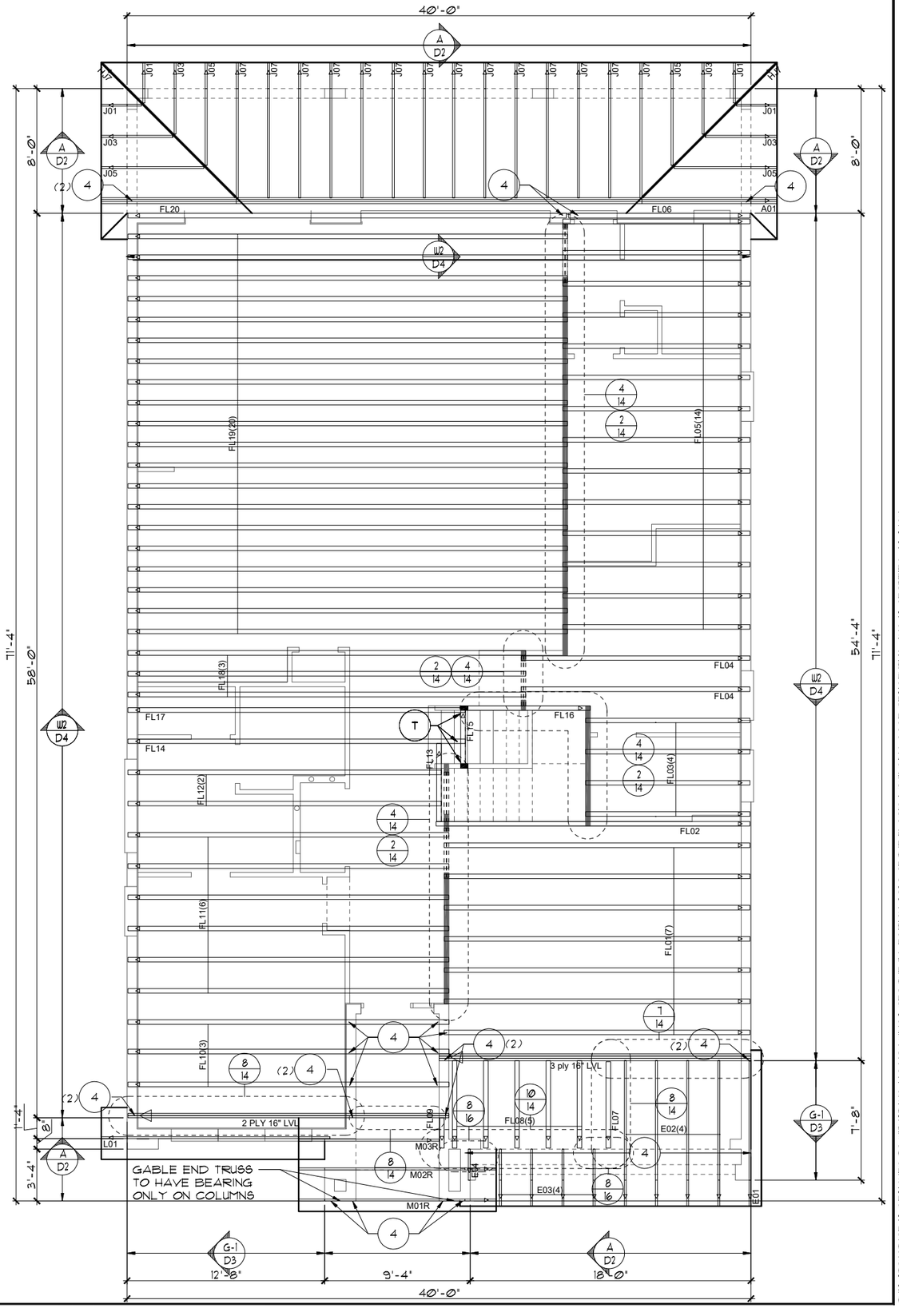

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SHEET 11C.0

OF SHEETS

ATTIC VENTILATION CALCULATIONS

PER FBC2020 7TH 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:

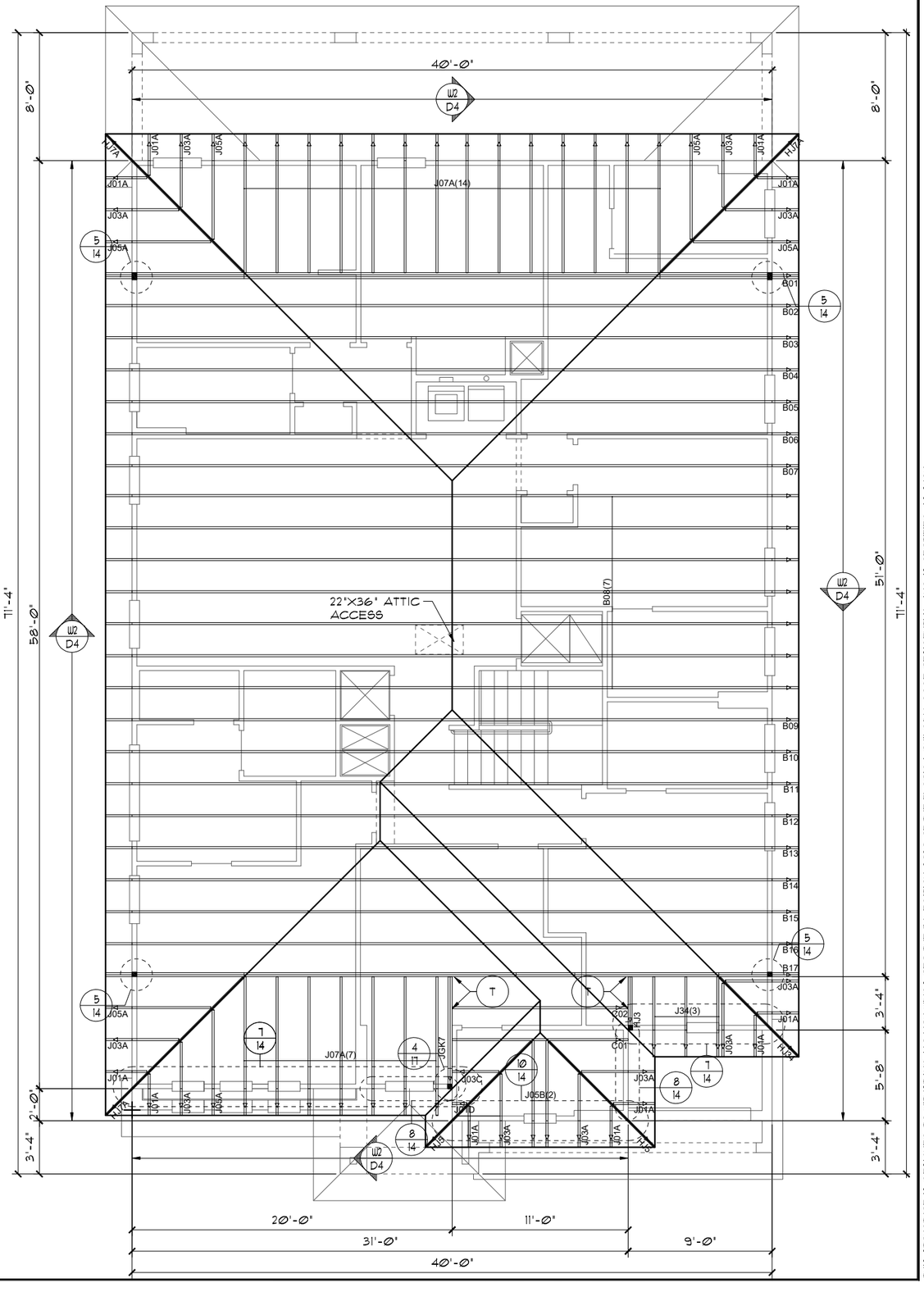
TOTAL VENTED SPACE: 2,387S.F. / 300 = 7.96S.F. NET FREE REQUIRED

UPPER PORTION VENTILATION TOTAL: 3.88S.F.
PROVIDED W/OFF RIDGE VENTS: 4 VENTS @ .97S.F. /VENT.
(TILE: O'HAGIN MODEL "S", SHINGLE: LOMANCO 770-D OR MILLENNIUM METAL)
LOWER PORTION VENTILATION TOTAL: 17.4S.F.
PROVIDED W/SOFFITS @ EAVE: 200L.F. @ 0.087SF VENTING/L.F.

UPPER PORTION PERCENTAGE: 49%
LOWER PORTION PERCENTAGE: 51%

NOTES

1. TYPICAL ROOF GABLE OVERHANG TO BE **8"** UNLESS OTHERWISE NOTED.
2. TYPICAL ROOF EAVES OVERHANG TO BE **20"** 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 7TH EDITION (2020) 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 BCSI 1.
6. REFER TO TRUSS MANUFACTURER'S DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
7. SHINGLE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2020, 7TH EDITION R905.1.1. - Underlayment materials required to comply with ASTM D226, D1970, D4869 and D6757 shall bear a label indicating compliance to the standard designation and, if applicable, type classification indicated in Table R905.1.1. Underlayment shall be applied and attached in accordance with Table R905.1.1.
8. OFF RIDGE VENTS MAXIMUN OPENING SIZES :
   - LOMANCO : (2) 9 1/" DIA. CIRCLES
   - MILLENIUM METAL : 2 1/2" X 46" HOLE



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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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PARADISO GRANDE

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Park Square HOMES

TRUSS LAYOUT

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 12A.0
OF SHEETS

ATTIC VENTILATION CALCULATIONS

PER FBC2020 7TH 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: 2,387S.F. / 300 = 7.96S.F. NET FREE REQUIRED

UPPER PORTION VENTILATION TOTAL: 3.88S.F.
PROVIDED W/OFF RIDGE VENTS: 4 VENTS @ .97S.F. /VENT.
(TILE: O'HAGIN MODEL "S", SHINGLE: LOMANCO 7T0-D OR MILLENNIUM METAL)
LOWER PORTION VENTILATION TOTAL: 17.4S.F.
PROVIDED W/SOFFITS @ EAVE: 200L.F. @ 0.087SF VENTING/L.F.

UPPER PORTION PERCENTAGE: 49%
LOWER PORTION PERCENTAGE: 51%

NOTES

1. TYPICAL ROOF GABLE OVERHANG TO BE **8"** UNLESS OTHERWISE NOTED.
2. TYPICAL ROOF EAVES OVERHANG TO BE **20"** 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 7TH EDITION (2020) FLORIDA RESIDENTIAL CODE.
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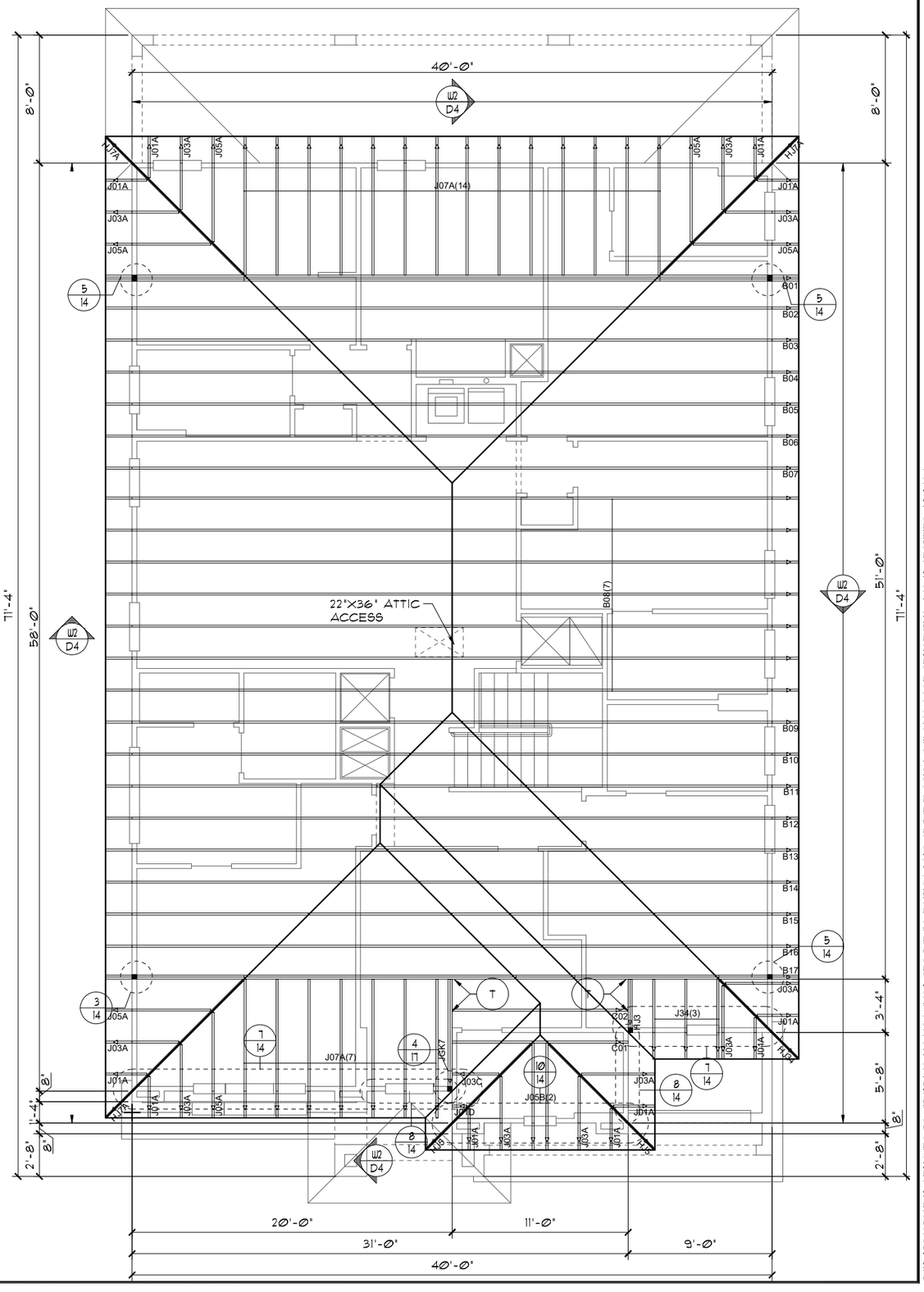
7. SHINGLE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2020, 7TH EDITION R905.1.1. - Underlayment materials required to comply with ASTM D226, D1970, D4869 and D6757 shall bear a label indicating compliance to the standard designation and, if applicable, type classification indicated in Table R905.1.1. Underlayment shall be applied and attached in accordance with Table R905.1.1.
8. OFF RIDGE VENTS MAXIMUN OPENING SIZES :
   - LOMANCO : (2) 9 1/" DIA. CIRCLES
   - MILLENIUM METAL : 2 1/2" X 46" HOLE



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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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Park Square HOMES

TRUSS LAYOUT

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 12B.0
OF SHEETS

ATTIC VENTILATION CALCULATIONS

PER FBC2020 7TH 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: 2,387S.F. / 300 = 7.96S.F. NET FREE REQUIRED

UPPER PORTION VENTILATION TOTAL: 3.88S.F.
PROVIDED W/OFF RIDGE VENTS: 4 VENTS @ .97S.F. /VENT.
(TILE: O'HAGIN MODEL "S", SHINGLE: LOMANCO 7TO-D OR MILLENNIUM METAL)
LOWER PORTION VENTILATION TOTAL: 17.4S.F.
PROVIDED W/SOFFITS @ EAVE: 200L.F. @ 0.087SF VENTING/L.F.

UPPER PORTION PERCENTAGE: 49%
LOWER PORTION PERCENTAGE: 51%

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 FRACTICE AND IN ACCORDANCE WITH THE 7TH EDITION (2020) FLORIDA RESIDENTIAL CODE.
4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZED BY TRUSS MANUFACTURER OR FL. REG. ENG.
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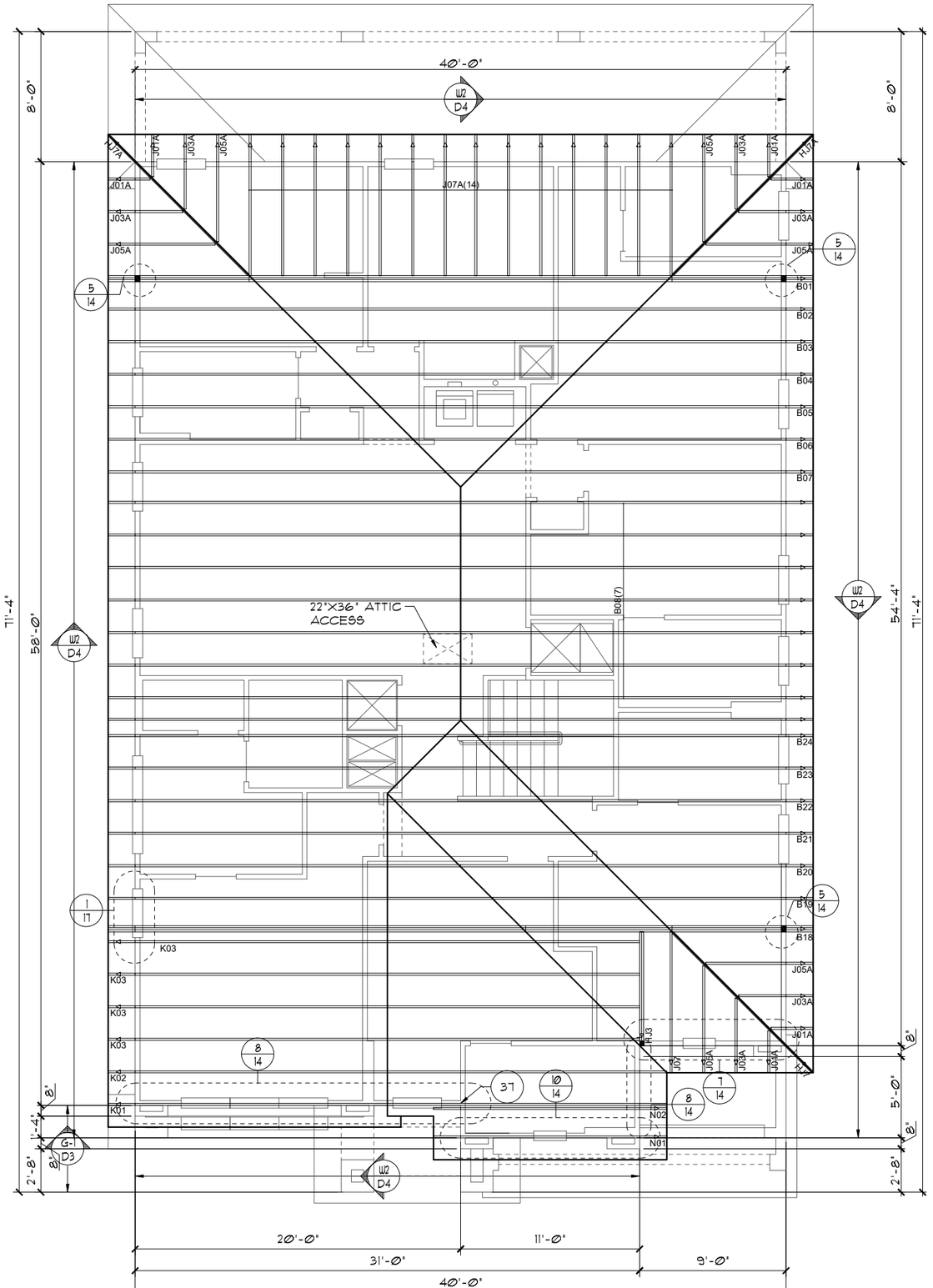
6. REFER TO TRUSS MANUFACTURER'S DRAWINGS FOR TRUSS PLACEMENT & TRUSS TO TRUSS CONNECTIONS.
7. TILE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2020, 7TH EDITION R905.3.3. Underlayment materials required to comply with ASTM D226, D1970, D4869 and D6757 shall bear a label indicating compliance to the standard designation and, if applicable, type classification indicated in Table R905.1.1. Underlayment shall be applied and attached in accordance with Table R905.1.1.
8. OFF RIDGE VENTS MAXIMUN OPENING SIZES :
   - O-HAGIN - 7" X 19" HOLE
9. TILE ROOF TO BE INSTALLED IAW FBCR 2020, 7TH EDITION ASTM C1492-R905.3.5



TRUSS LAYOUT "C"

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

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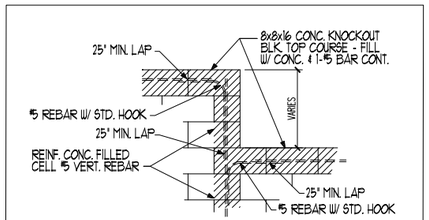
TRUSS LAYOUT

REEF
PARADISO GRANDE

4232

DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	4232
SHEET	12C.0
OF	SHEETS

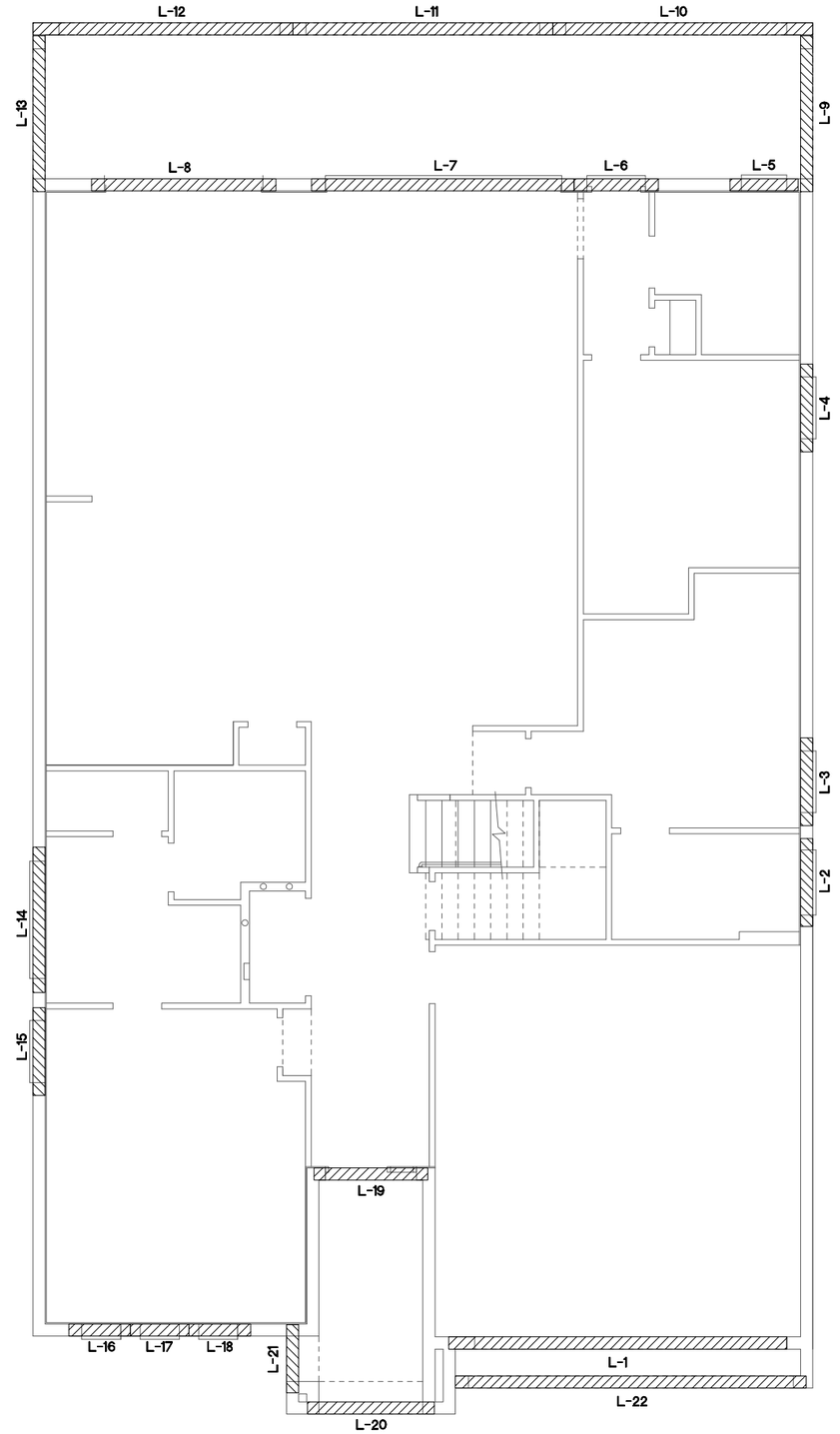


BLOCK WALL HT. TRANSITION DETAIL

CAST CRETE / LOTT'S / WEKIWA / FLORIDA ROCK

LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	COMMENTS
L 1	17'-4"	8F30-1B/IT	GARAGE DOOR
L 2	4'-6"	8F24-0B/IT	3/4X1/0 F.G.
L 3	4'-6"	8F24-0B/IT	SH25
L 4	4'-4"	8F24-0B/IT	SH25
L 5	3'-6"	8F24-0B/IT	SH1143
L 6	4'-4"	8RF20-0B/IT	POOL BA. DOOR
L 7	13'-4"	8F24-0B/IT	12/0X8/0 S.G.D.
L 8	9'-4"	8F24-0B/IT	8/0X8/0 S.G.D.
L 9	8'-0"	8F16-1B/IT	LANAI
L 10	13'-4"	8F16-1B/IT	LANAI
L 11	13'-4"	8F16-1B/IT	LANAI
L 12	13'-4"	8F16-1B/IT	LANAI
L 13	8'-0"	8F16-1B/IT	LANAI
L 14	7'-6"	8F16-0B/IT	6/0X1/0 F.G.
L 15	4'-6"	8F24-0B/IT	SH25
L 16	3'-6"	8F24-0B/IT	3/0X5/0 CLR. F.G.
L 17	3'-0"	8F24-0B/IT	3/0X5/0 CLR. F.G.
L 18	3'-6"	8F24-0B/IT	3/0X5/0 CLR. F.G.
L 19	5'-10"	8RF20-0B/IT	FRONT DOOR
L 20	6'-6"	8F16-0B/IT	FRONT ENTRY
L 21	3'-6"	8F16-0B/IT	FRONT ENTRY
L 22	19'-4"	8F24-0B/IT	GARAGE ENTRY
L 23			
L 24			
L 25			
L 26			
L 27			



PRE CAST LINTEL LAYOUT "A"

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

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Park Square HOMES

PRE CAST LINTEL LAYOUT

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PARADISO GRANDE

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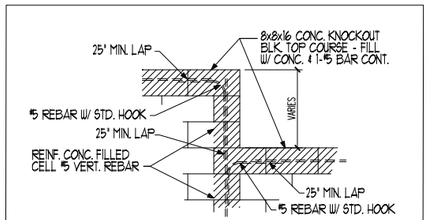
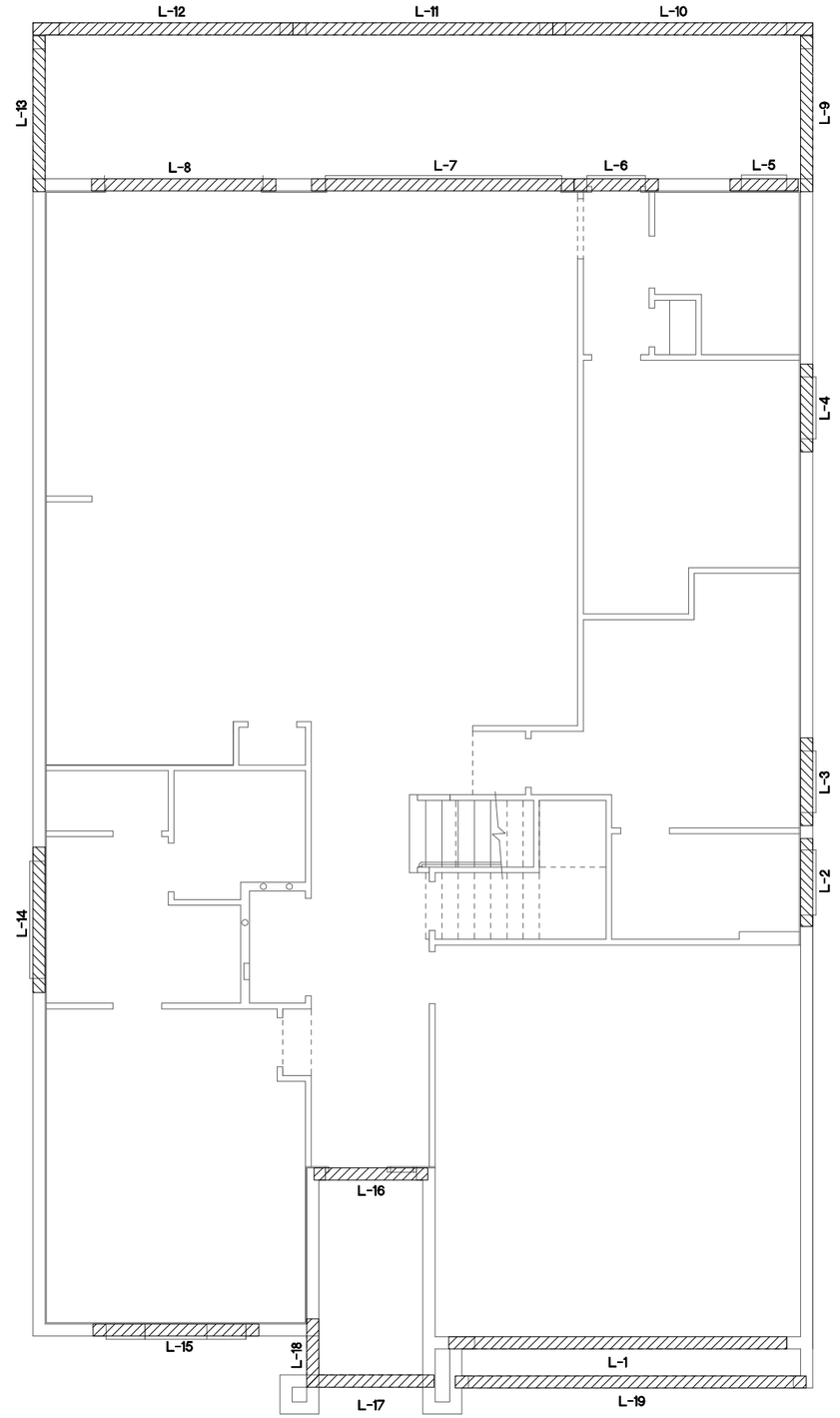


BLOCK WALL HT. TRANSITION DETAIL

CAST CRETE / LOTT'S / WEKIWA / FLORIDA ROCK

LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	COMMENTS
L 1	17'-4"	8F30-1B/IT	GARAGE DOOR
L 2	4'-6"	8F24-0B/IT	3/4X1/0 F.G.
L 3	4'-6"	8F24-0B/IT	SH25
L 4	4'-4"	8F24-0B/IT	SH25
L 5	3'-6"	8F24-0B/IT	SH1143
L 6	4'-4"	8RF20-0B/IT	POOL BA. DOOR
L 7	13'-4"	8F24-0B/IT	12/0X8/0 S.G.D.
L 8	9'-4"	8F24-0B/IT	8/0X8/0 S.G.D.
L 9	8'-0"	8F16-1B/IT	LANAI
L 10	13'-4"	8F16-1B/IT	LANAI
L 11	13'-4"	8F16-1B/IT	LANAI
L 12	13'-4"	8F16-1B/IT	LANAI
L 13	8'-0"	8F16-1B/IT	LANAI
L 14	7'-6"	8F16-0B/IT	6/0X1/0 F.G.
L 15	8'-8"	8F24-0B/IT	SH25, (2) 2/0X5/0 CLR. F.G.
L 16	5'-10"	8RF20-0B/IT	FRONT DOOR
L 17	6'-6"	8F8-0B/IT	FRONT ENTRY
L 18	3'-6"	8F8-0B/IT	FRONT ENTRY
L 19	19'-4"	8F24-0B/IT	GARAGE ENTRY
L 20			
L 21			
L 22			
L 23			
L 24			
L 25			
L 26			
L 27			



PRE CAST LINTEL LAYOUT "B"

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

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Park Square HOMES

PRE CAST LINTEL LAYOUT

REEF

PARADISO GRANDE

4232

DATE 04-09-21

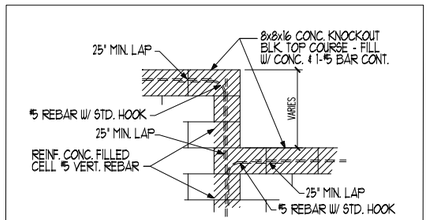
SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 13B.0

OF SHEETS

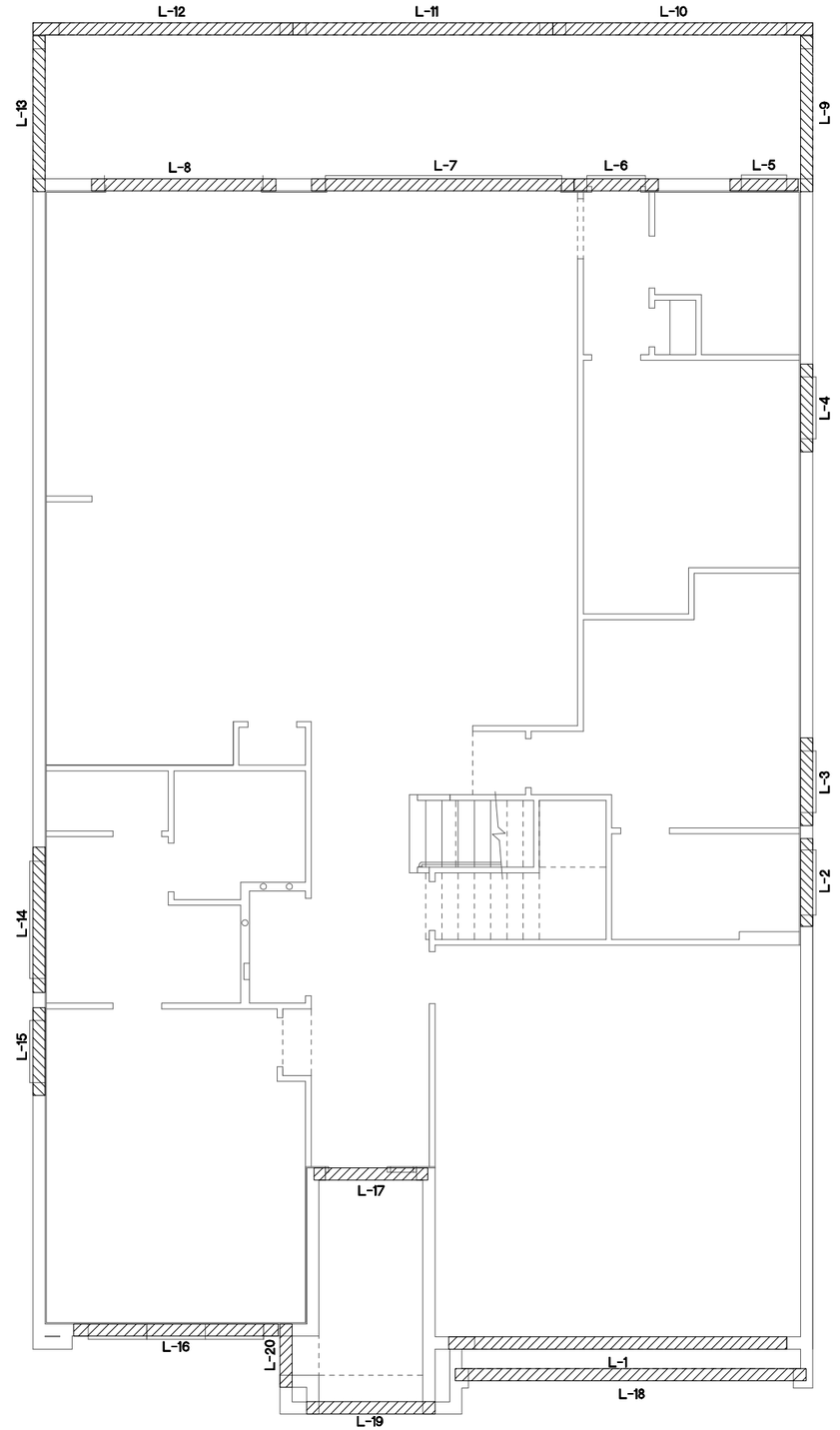


BLOCK WALL HT. TRANSITION DETAIL

CAST CRETE / LOTT'S / WEKIWA / FLORIDA ROCK

LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	COMMENTS
L 1	17'-4"	8F30-1B/IT	GARAGE DOOR
L 2	4'-6"	8F24-0B/IT	3/4X1/0 F.G.
L 3	4'-6"	8F24-0B/IT	SH25
L 4	4'-6"	8F24-0B/IT	SH25
L 5	3'-6"	8F24-0B/IT	SH1143
L 6	4'-4"	8RF20-0B/IT	POOL BA. DOOR
L 7	13'-4"	8F24-0B/IT	12/0X8/0 S.G.D.
L 8	9'-4"	8F24-0B/IT	8/0X8/0 S.G.D.
L 9	8'-0"	8F16-1B/IT	LANAI
L 10	13'-4"	8F16-1B/IT	LANAI
L 11	13'-4"	8F16-1B/IT	LANAI
L 12	13'-4"	8F16-1B/IT	LANAI
L 13	8'-0"	8F16-1B/IT	LANAI
L 14	7'-6"	8F16-0B/IT	6/0X1/0 F.G.
L 15	4'-6"	8F24-0B/IT	SH25
L 16	10'-6"	8F24-0B/IT	(3) 3/0X5/0 CLR. F.G.
L 17	5'-10"	8RF20-0B/IT	FRONT DOOR
L 18	19'-4"	8F24-0B/IT	GARAGE ENTRY
L 19	6'-6"	8F8-0B/IT	FRONT ENTRY
L 20	3'-6"	8F8-0B/IT	FRONT ENTRY
L 21			
L 22			
L 23			
L 24			
L 25			
L 26			
L 27			



PRE CAST LINTEL LAYOUT "C"

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

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Park Square HOMES

PRE CAST LINTEL LAYOUT

REEF

PARADISO GRANDE

4232

DATE 04-09-21

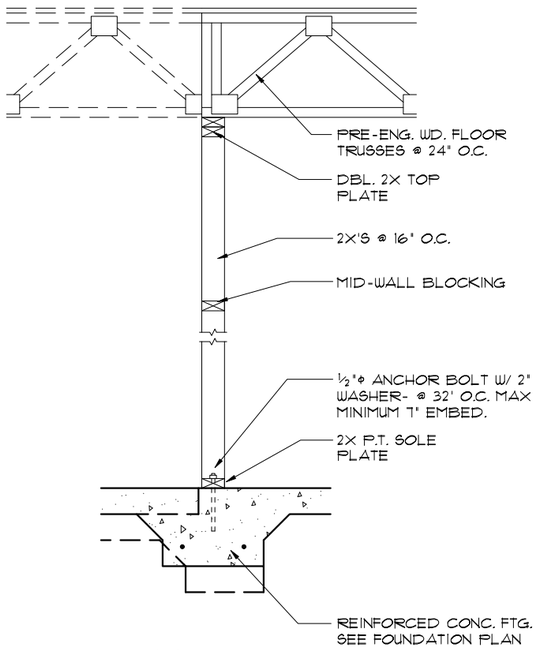
SCALE AS NOTED

DRAWN RDC

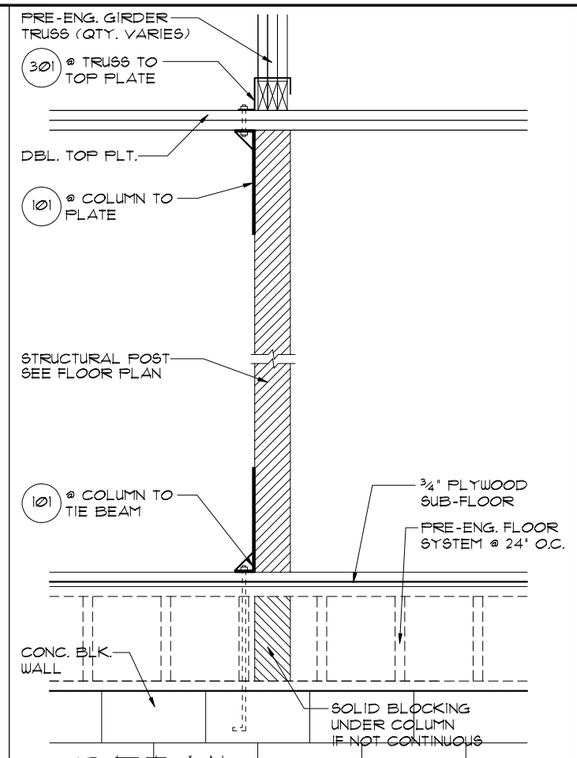
JOB 4232

SHEET 13C.0

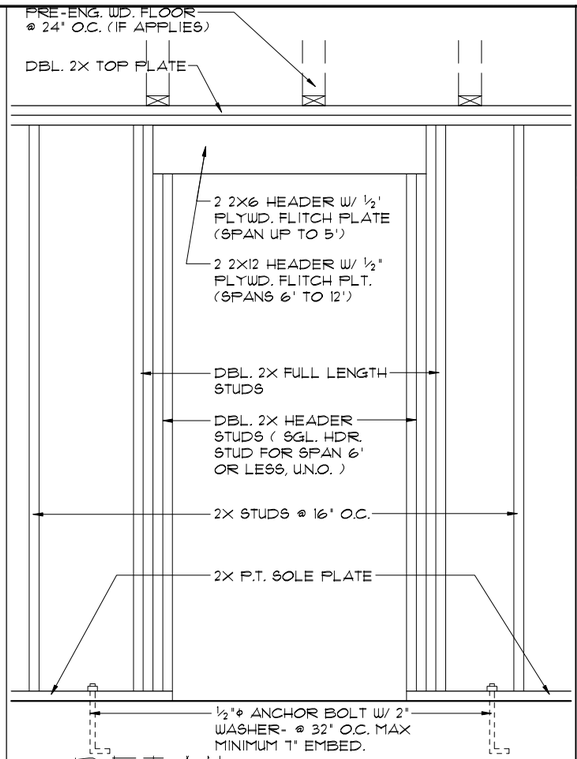
OF SHEETS



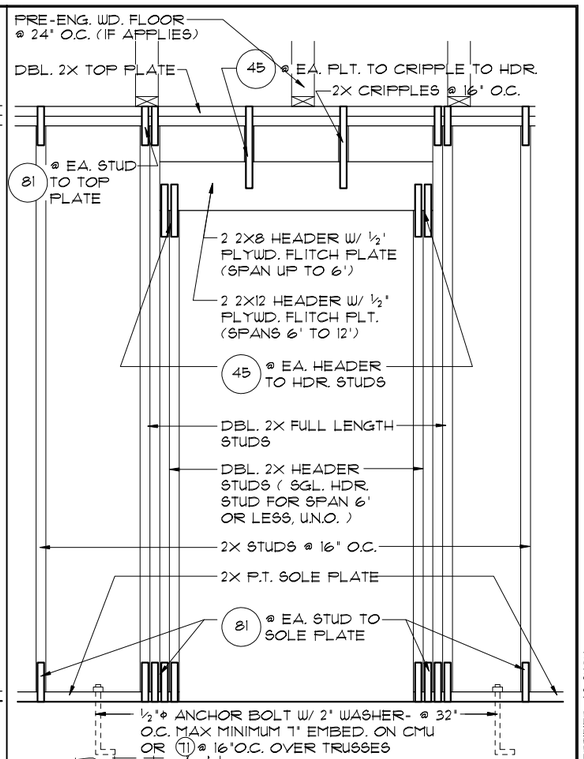
4/14 DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



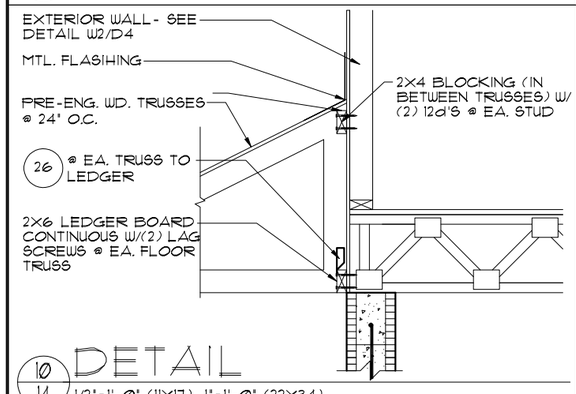
3/14 DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



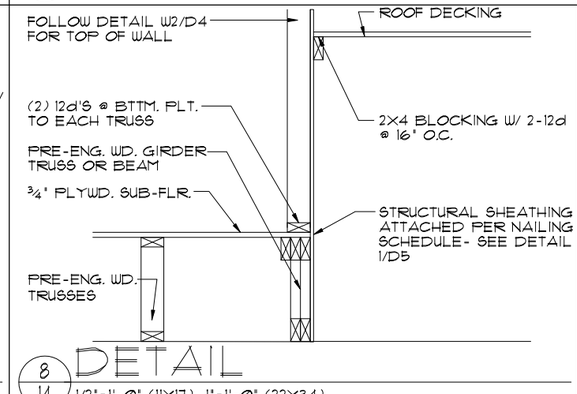
2/14 DETAIL (BRG. W/O UPLIFT)
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



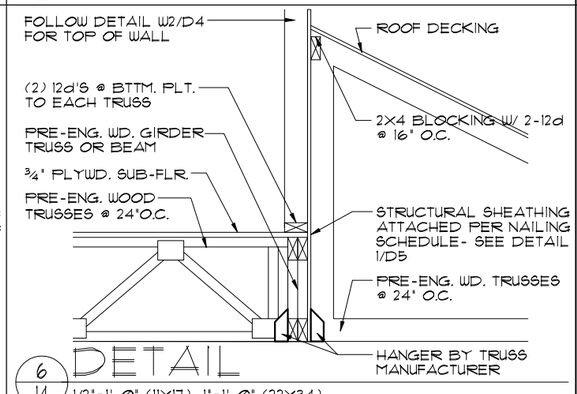
1/14 DETAIL (BRG. W/ UPLIFT)
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



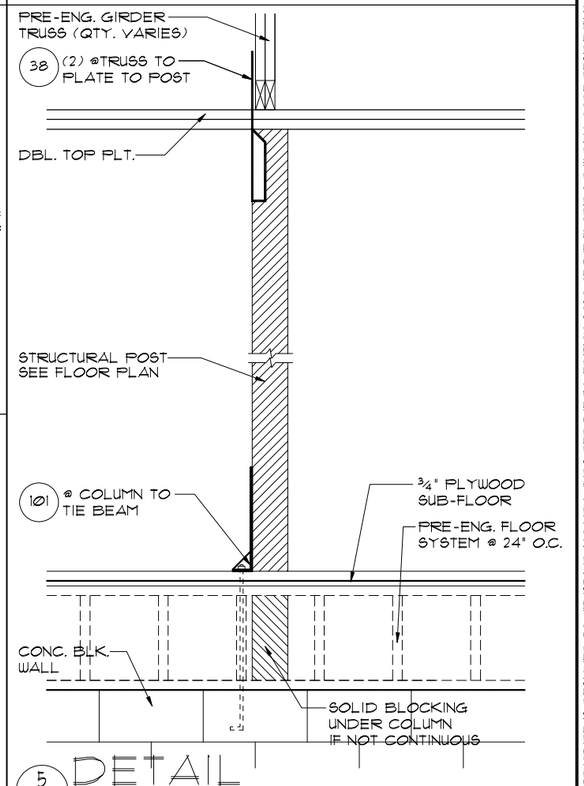
10/14 DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



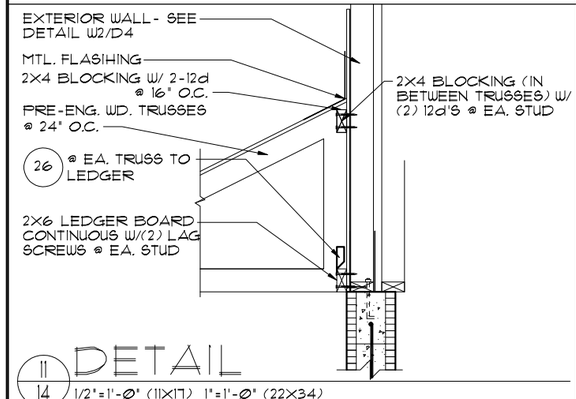
8/14 DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



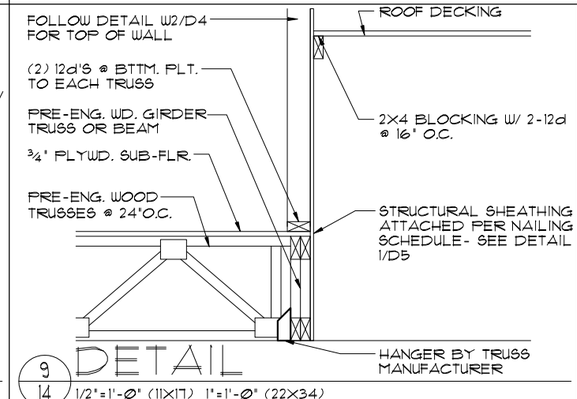
6/14 DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



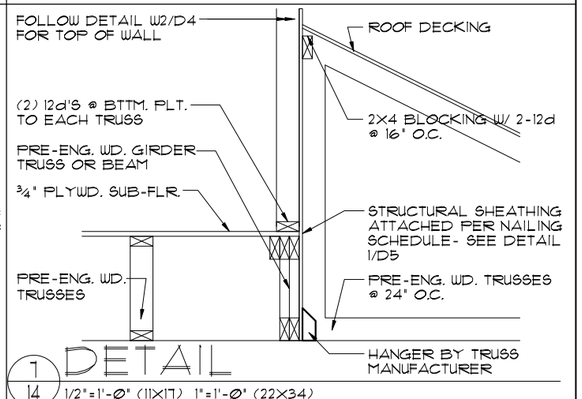
5/14 DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



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



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



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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, PARADISO GRANDE

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PARADISO GRANDE

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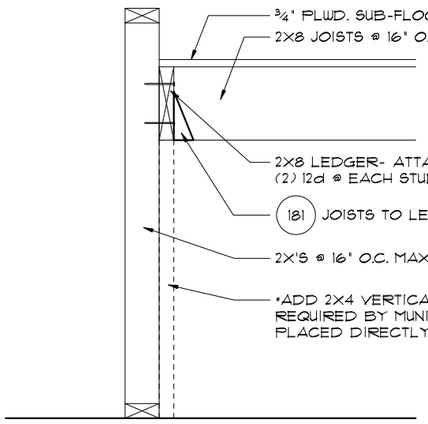
Park Square HOMES

TYPICAL DETAILS

REEF
PARADISO GRANDE

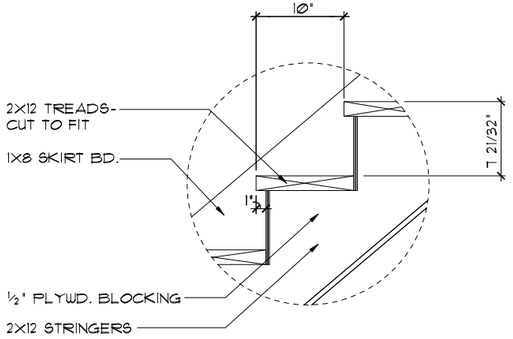
4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 14
OF SHEETS



4/15 TYP. STAIR CONNECT.

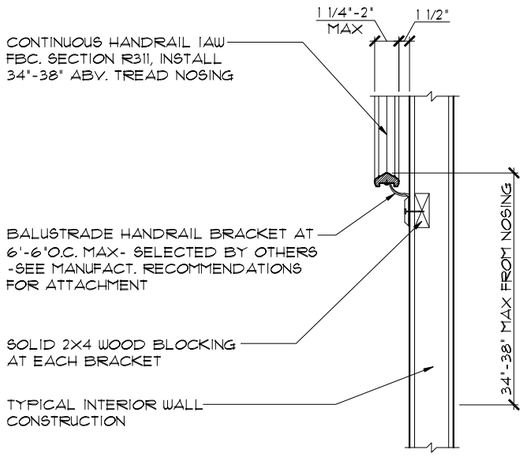
3/4"= 1'-0" (11X17) 1½"= 1'-0" (22"X34") PLATFORM FRAMING



DATA: TOTAL RISE: 11'-4¾" (18 RISERS @ 7 19/32" EA.)
TOTAL RUN: 14'-2" (17 TREADS @ 10" EA.)

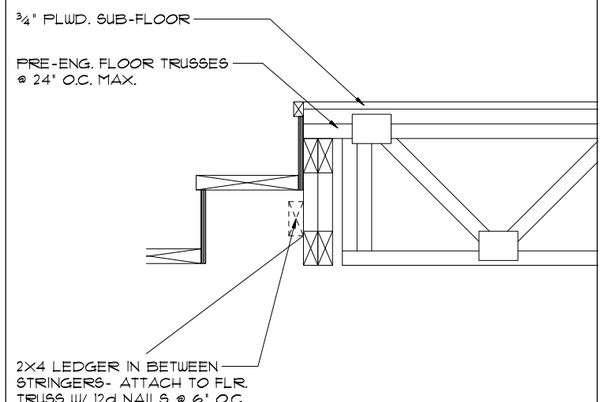
1/15 STAIR DETAIL

3/4"= 1'-0" (11X17) 1½"= 1'-0" (22"X34") STAIR DATA



5/15 TYP. HANDRAIL DET.

3/4"= 1'-0" (11X17) 1½"= 1'-0" (22"X34")



2/15 TYP. STAIR CONNECT.

3/4"=1'-0" (11X17) 1½"=1'-0" (22"X34") STRINGER TO FLOOR TRUSS

NOTES:

STAIRWAY CONSTRUCTION TO CONFORM TO FBCR 2020, 7TH EDITION SECTION R311.7

MAX. HGT. OF RISER TO BE 7¾"

MIN. 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

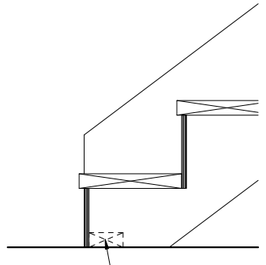
3/8" MAX. VARIATION IN ANY RISER/TREAD

HAND RAIL CIRCULAR CROSS SECTION DIA. TO BE 1 1/4" - 2" OR TO PROVIDE EQUIVALENT GRASPABILITY.

WINDERS: MIN. 6" WIDE @ NARROW END

34"-38" HANDRAIL HGT.

HEADROOM CLEARANCE MIN. 6'-8"



3/15 TYP. STAIR CONNECT.

3/4"= 1'-0" (11X17) 1½"= 1'-0" (22"X34") STRINGER TO FLOOR

CONNECTOR SCHEDULE

CONNECT. TYPE	SIMPSON DESCRIPTION	SIMPSON FASTENERS PER CONNECTOR	USP DESCRIPTION	USP FASTENERS PER CONNECTOR	MAX. UPLIFT	LAT. LDS. F1 / F2
4	HETA20	14-10d x 1½"	ETA20	14-10d	1,810	65 / 960
5	DETAL20	18-10d x 1½"	N/A	N/A	2,480	2000/ 1370
20	H3	RFT: 4-8d / PLT: 4-8d	RT3	RFT: 4-8d / PLT: 4-8d	455	125 / 160
21	H1	RFT:6-8dx1½"/PLT:4-8d	RT15	RFT:5-8dx1½"/PLT:5-8d	475	485 / 165
22	H10S	RFT: 8-8d x 1 1/2" PLT: 8-8d x 1 1/2"	RT16	RFT: 8-8d x 1½" PLT: 8-8d	990	585/525
23	LUS26	HDR: 4-10d/JST: 4-10d	JUS26	HDR: 4-10d/JST: 4-10d	935	N/A
24	H7	RFT / TRS: 4-8d PLT / STD: 10-8d	RT20	RFT / TRS: 9-10d PLT / STD: 13-10d	985	400 / N/A
26	H2.5	RFT:5-8d / PLT: 5-8d	RT7	RFT:5-8d / PLT: 5-8d	415	150 / 150
34	A34	H:4-8dx1½"/P:4-8dx1½"	MP34	H:4-8dx1½"/P:4-8dx1½"	365	280 / 303
35	A35F	H:4-8dx1½"/P:4-8dx1½"	MPA1F	H:6-8dx1½"/P:6-8dx1½"	440	440 / N/A
37	MTS12	14-10d	MTW12	14-10d	1,000	N/A
38	MTS16	14-10d	MTW16	14-10d	1,000	N/A
43	LSTA12	10-10d	LSTA12	10-10d	905	N/A
45	ST18	14-16d	ST18	14-16d	1,200	N/A
47	LSTA24	18-10d	LSTA24	18-10d	1,295	N/A
71	MSTA36	26-10d	MSTA36	26-10d	2,135	N/A
72	MSTC66	64-16d SINKERS	N/A	N/A	5,495	N/A
79	SP1	STD:6-10d / PLT:4-10d	SPT22	STD:4-10d / PLT:4-10d	535	560 / 260
80	SP2	STD:6-10d / PLT:6-10d	SPT224	STD:6-10d / PLT:6-10d	605	560 / 260
81	SPH4,6,8	12-10d x 1½"	TP4,6,8	12-10d x 1½"	885	N/A
90	ABU66	12-16d	PAU66	12-16d	2,240	N/A
89	CB66	(2) ⅝" BOLTS	PA8X8	4-10d	2,300	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: ⅞" BOLT STUD:(3) ⅞"X5½" BOLTS	HHD8A	SILL: ⅞" BOLT STUD:(3) ⅞"X5½" BOLTS	7,910	N/A
97	MTT28B	24-16d	MTS27B	24-16d	4,455	N/A
98	HTT16	SILL: ⅝" BOLT STRAP: 18-16d	HTT16	SILL: ⅝" BOLT STRAP: 18-16d	4,175	N/A
99	A35	H:4-8dx1½"/P:4-8dx1½"	MPA1	H:6-8dx1½"/P:6-8dx1½"	440	440 / N/A
100	HTT22	⅝" BOLT/ 32-16d Sinkers	HTT22	¾" BOLT/ 32-16d	5,260	N/A
101	HTT4	⅝" BOLT/ 18-16dX2½"	N/A	N/A	3,640	N/A
102	HTT5	⅝" BOLT/ 26-10d	N/A	N/A	4,275	N/A
103	VGTR/L	32-SDS¼"X3"/(2) ⅝" BLT	N/A	N/A	3,990	N/A
104	HDU8-SDS2.5	7/8" BLT/20-SDS ¼"x2½"	N/A	N/A	5,020	N/A
110	HCP2	12-10d x 1½"	HHCP2	20-10d x 1½"	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	HUC28-2	H:14-16d/J:4-10d	N/A	N/A	1,085	N/A
214	HUC212-3TF	HD:16-3/16"X1½" TAPCON BM: 6-16d	HDO212-3	HD:18-3/16"X1½" 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: 10-¼"X1½" TC JOIST : 10-16d	HUS412	BLOCK: 10-¼"X1½" TC JOIST : 10-16d	3,240	N/A
217	HUS212-2	BLOCK: 10-¼"X1½" TC JOIST : 10-16d	HUS212-2	BLOCK: 10-¼"X1½" TC JOIST : 10-16d	2,630	N/A
219	MBHA412	H:1-ATR¾X8 TOP&FACE JOIST: 18-10d	NFM35X12U	H:1-½" J-BOLT J:5-½" BOLTS	3,145	N/A
220	N/A	N/A	NFM 3X12	BLK:½"Φ J /JST:14-10d	1,620	N/A
226	MBHA4.75/12	HDR : (2) ¾"Φ x 8" JOIST : 18-10d	NFM45U	HDR : MIN. ½"Φ "J" BOLT JOIST : (5) ½"Φ BOLTS	2,160	N/A
231	MBHA3.56/16	HDR : (2) ¾"Φ x 8" JOIST : 18-10d	NFM3.5X16U	HDR :MIN. ½"ΦxJ-BOLTS JOIST : (5) ½"Φ BOLTS	3,450	N/A
232	MBHA5.50/16	HDR : (2) ¾"Φ x 8" JOIST : 18-10d	NFM5.5X16U	HDR :MIN. ½"ΦxJ-BOLTS JOIST : (5) ½"Φ BOLTS	3,450	N/A
240	H15	R:4-10dx1½"/P:4-10dx1½"	N/A	N/A	1,300	480 / N/A
241	LGT2	30-16d-sinker	LUGT2	32-10d	2000	1015 / 440
301	MGT	(1) ¾"BLTS./GIR: 22-10d	N/A	N/A	3,965	N/A
302	HGT-2 or 3	LTL:¾"BLTS./GIR: 8-10d	USC63	LTL:¾"BLTS./GIR: 8-16d	6485	N/A
303	HGT-4	LTL:¾"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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Park Square HOMES

TYPICAL DETAILS / CONNECTOR SCHEDULE

REEF

PARADISO GRANDE

4232

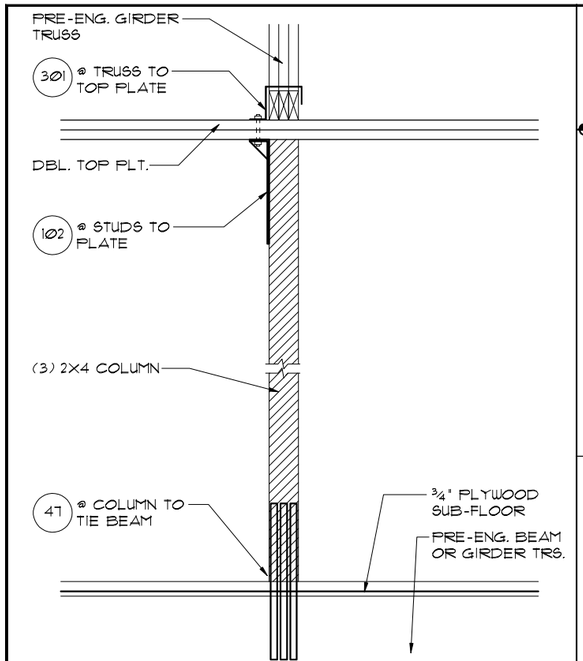
DATE 04-09-21

SCALE AS NOTED

DRAWN RDC

JOB 4232

SHEET 15 OF SHEETS



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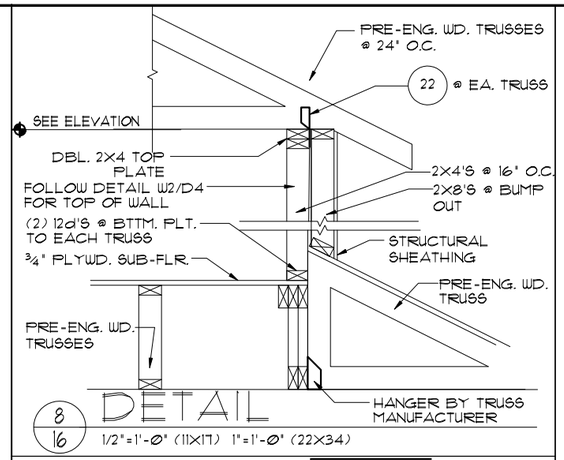

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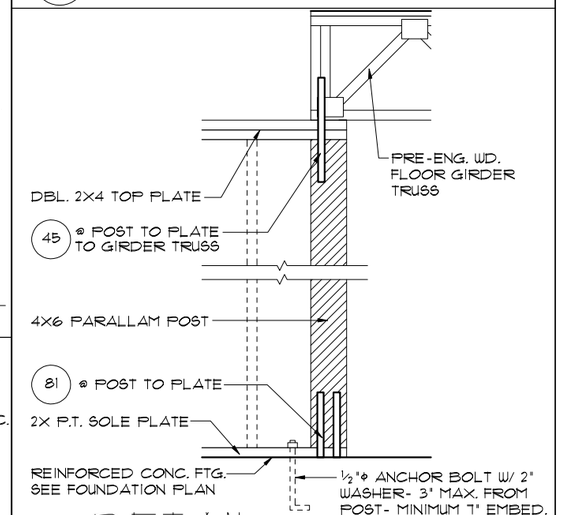

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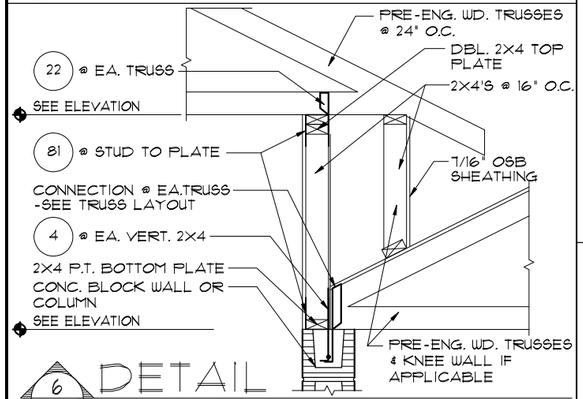

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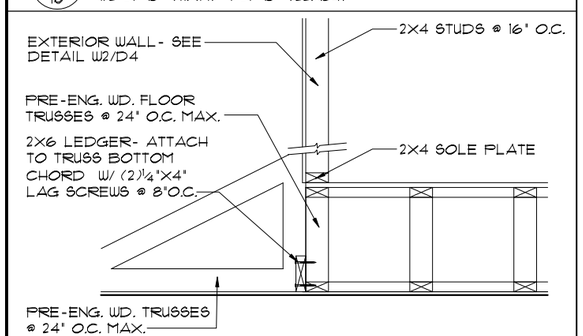

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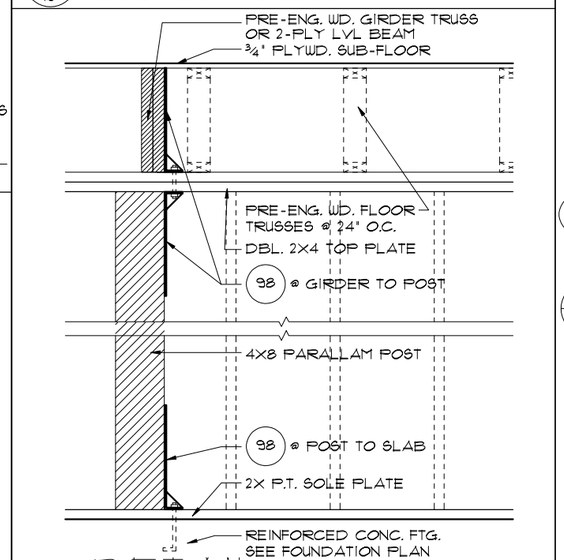

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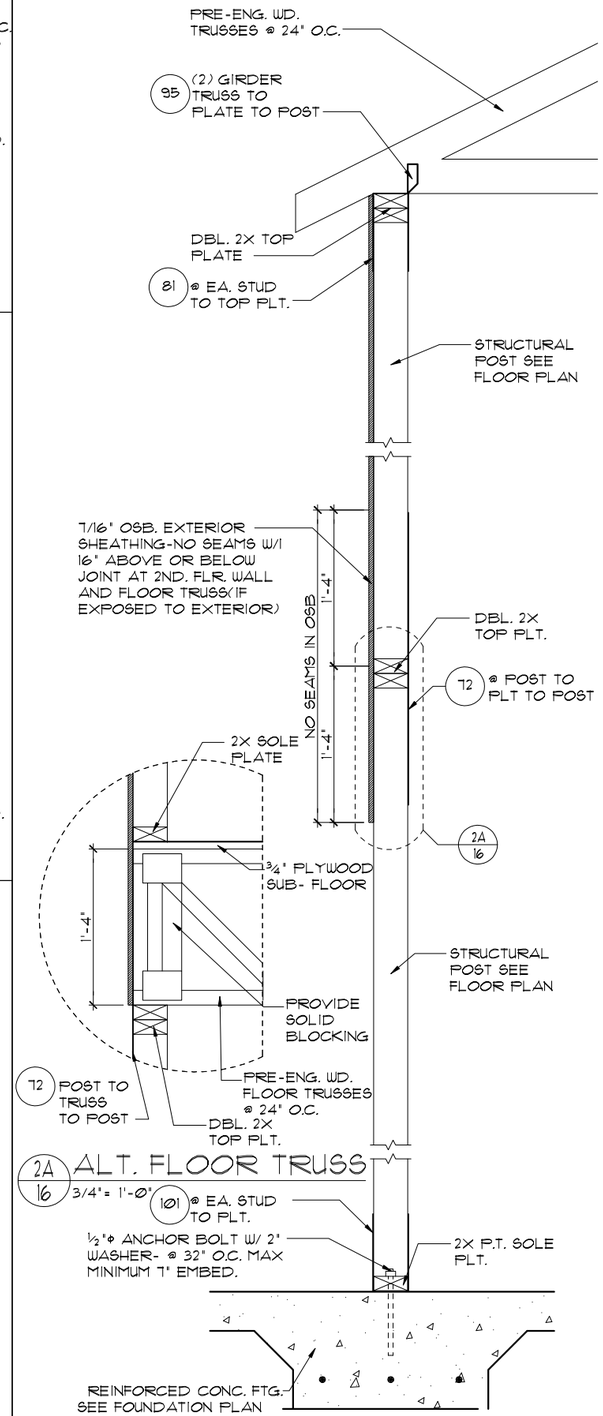

2/16 DETAIL
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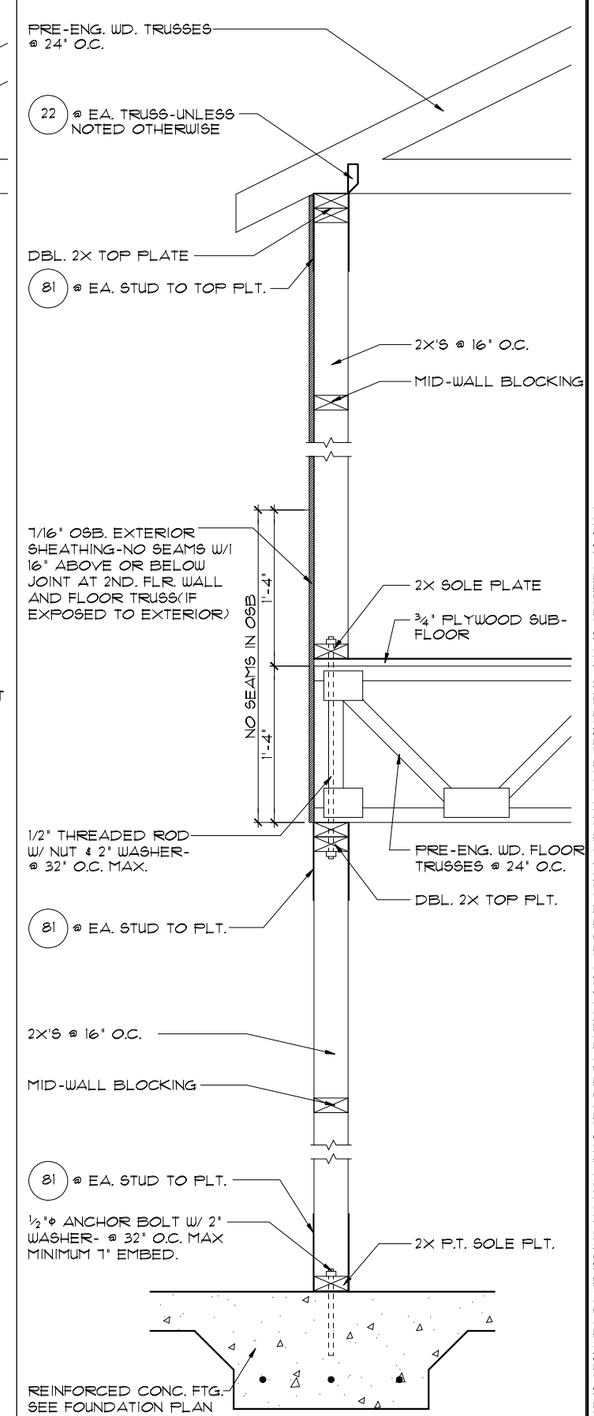

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PARADISO GRANDE

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DATE	04-09-21
SCALE	AS NOTED
DRAWN	RDC
JOB	4232
SHEET	16
OF	SHEETS

SAFE LOAD TABLES
FOR GRAVITY, UPLIFT & LATERAL LOADS

8" PRECAST & PRESTRESSED U-LINTELS

GRAVITY

LENGTH \ TYPE	8U8	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-0B
		8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-1B
2'-10" (34") PRECAST	2302	3166	4473	6039	7526	9004	10472	11936
		3166	4473	6039	7526	9004	10472	11936
3'-6" (42") PRECAST	2302	3138	3377	4689	6001	7315	8630	9947
		3166	4473	6039	7526	9004	10472	11936
4'-0" (48") PRECAST	2029	2325	2496	3467	4438	5410	6384	7358
		2646	4473	6039	7526	9004	10472	11936
4'-6" (54") PRECAST	1651	1787	1913	2657	3403	4149	4896	5644
		2110	4021	6039	7526	9004	10472	11936
5'-4" (64") PRECAST	1184	1223	1301	1809	2317	2826	3336	3846
		1665	2889	5057	6096	8400	6424	7450
5'-10" (70") PRECAST	972	1000	1066	1474	1889	2304	2721	3137
		1459	2464	4144	5458	4431	5280	6122
6'-6" (78") PRECAST	837	1255	2101	3263	2746	3358	3971	4585
		1255	2101	3356	5260	7134	8995	6890
7'-6" (90") PRECAST	767	1023	1675	2385	1954	2439	2886	3333
		1029	1679	2610	3839	5596	6613	5047
9'-4" (112") PRECAST	573	632	1049	1469	1210	1482	1754	2027
		768	1212	1818	2944	3469	4030	3127
10'-6"(126") PRECAST	456	482	802	1125	915	1122	1328	1535
		658	1025	1514	2001	2774	3130	2404
11'-4" (136") PRECAST	445	598	935	1365	1884	2355	1793	2075
		598	935	1365	1884	2441	3155	4044
12'-0"(144") PRECAST	414	545	864	1254	1693	2211	2832	3590
		555	864	1254	1693	2211	2832	3590
13'-4"(160") PRECAST	362	427	726	1028	1331	1635	1224	1418
		485	748	1076	1438	1855	2343	2520
14'-0"(168") PRECAST	338	381	648	918	1190	1462	1087	1260
		485	760	1023	1335	1714	2193	2666
14'-8" (176") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
		465	765	1370	2045	2610	3185	3765
15'-4" (184") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
		420	695	1250	1855	2370	2890	3410
17'-4" (208") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
		310	530	950	1400	1800	2200	2600
19'-4" (232") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
		240	400	750	1050	1400	1720	2030
21'-4" (256") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
		183	330	610	940	1340	1780	2110
22'-0" (264") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
		160	300	570	870	1250	1660	1970
24'-0" (288") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
		130	240	470	720	1030	1350	1610

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

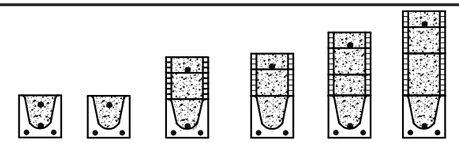
GRAVITY

LENGTH \ TYPE	8RU6	8RF6-0B	8RF10-0B	8RF14-0B	8RF18-0B	8RF22-0B	8RF26-0B	8RF30-0B
		8RF6-1B	8RF10-1B	8RF14-1B	8RF18-1B	8RF22-1B	8RF26-1B	8RF30-1B
4'-4" (52") PRECAST	1488	1581	3053	2982	3934	4929	5924	6880
		1827	3412	4982	6472	7941	9416	10878
4'-6" (54") PRECAST	1387	1449	2782	2714	3600	4481	5375	6264
		1702	3412	4982	6472	7941	9416	10878
5'-8" (68") PRECAST	788	832	1602	1550	2058	2566	3075	3585
		1153	2162	4074	6472	6516	5814	6839
5'-10" (70") PRECAST	738	779	1500	1449	1924	2400	2876	3352
		1103	2051	3811	6472	6516	5450	6411
6'-8" (80") PRECAST	622	907	1671	2933	2576	3223	3872	4522
		907	1671	2933	4100	6730	8177	6701
7'-6" (90") PRECAST	665	761	1377	2252	1958	2451	2944	3438
		764	1377	2329	3609	5492	6624	5132
9'-8" (116") PRECAST	371	420	834	1253	1071	1342	1614	1886
		535	928	1491	2179	2618	3595	2875

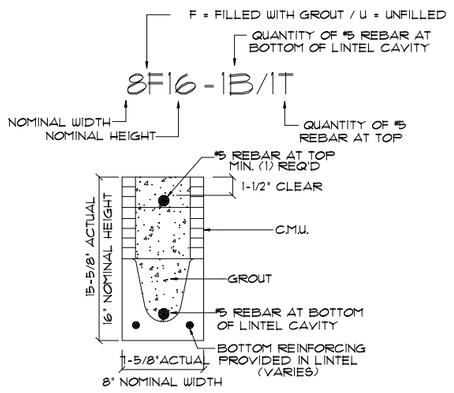
8" PRECAST & PRESTRESSED U-LINTELS

LENGTH \ TYPE	UPLIFT 8F8-1T / 8F8-2T	8F12-1T / 8F12-2T	8F16-1T / 8F16-2T	8F20-1T / 8F20-2T	8F24-1T / 8F24-2T	8F28-1T / 8F28-2T	8F32-1T / 8F32-2T	LATERAL 8U8	LATERAL 8F8
2'-10" (34") PRECAST	2727	2878	4101	5332	6563	7811	9055	2021	2021
	2727	2784	3981	5180	6407	7630	8851		
3'-6" (42") PRECAST	2165	2289	3260	4237	5278	6204	7192	1287	1287
	2165	2215	3165	4125	5091	6061	7036		
4'-0" (48") PRECAST	1878	1989	2832	3680	4532	5387	6245	938	938
	1878	1925	2750	3583	4422	5264	6110		
4'-6" (54") PRECAST	1666	1762	2507	3251	4010	4767	5525	727	727
	1666	1705	2435	3171	3913	4658	5406		
5'-4" (64") PRECAST	1393*	1484	2110	2741	3375	4010	4648	505	505
	1393	1431	2050	2670	3293	3920	4549		
5'-10" (70") PRECAST	1272*	1351	1930	2505	3084	3665	4247	418	418
	1272	1315	1875	2441	3010	3583	4157		
6'-6" (78") PRECAST	1141*	1200	1733	2250	2769	3290	3812	767	887
	1141	1182	1684	2192	2703	3216	3732		
7'-6" (90") PRECAST	989*	912	1475	1914	2354	2797	3240	591	657
	990	1029	1466	1907	2351	2797	3245		
9'-4" (112") PRECAST	801*	612	980	1268	1560	1852	2144	454	630
	801	795	1192	1550	1910	2271	2634		
10'-6"(126") PRECAST	716*	498	793	1027	1261	1496	1731	396	493
	716	611	1033	1388	1711	2034	2358		
11'-4" (136") PRECAST	666*	439	696	899	1104	1309	1515	363	556
	666	535	905	1295	1595	1896	2198		
12'-0"(144") PRECAST	601*	400	631	816	1001	1186	1372	340	494
	631	486	818	1209	1514	1799	2086		
13'-4"(160") PRECAST	500*	340	532	686	841	997	1153	302	398
	573	409	682	1004	1367	1631	1897		
14'-0"(168") PRECAST	458*	316	493	635	778	922	1065	286	360
	548	378	629	922	1254	1561	1816		
14'-8" (176") PRESTRESSED	N.R.	243	295	496	591	724	857	990	357
		243	352	582	882	1196	1481	1742	
15'-4" (184") PRESTRESSED	N.R.	228	278	430	553	677	801	925	327
		228	329	542	791	1072	1381	1676	
17'-4" (208") PRESTRESSED	N.R.	188	236	361	464	567	670	774	255
		188	276	449	649	874	1121	1389	
19'-4" (232") PRESTRESSED	N.R.	165	207	313	401	490	578	667	204
		165	239	383	550	736	940	1160	
21'-4" (256") PRESTRESSED	N.R.	145	186	278	356	433	512	590	172
		142	212	336	477	635	801	993	
22'-0" (264") PRESTRESSED	N.R.	140	180	268	343	418	493	568	161
		131	205	322	457	607	771	941	
24'-0" (288") PRESTRESSED	N.R.	121	165	244	312	380	447	515	135
		124	186	290	408	538	680	833	

*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR



TYPE DESIGNATION



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.
7. 7/32 wire per ASTM A510.
8. Mortar per ASTM C270 type M or S.

GENERAL NOTES

1. Provide full mortar head and bed joints.
2. Shore filled lintels as required.
3. Installation of lintel must comply with the architectural and/or structural drawings.
4. Lintels are manufactured with 5-1/2" long notches at the ends to accommodate vertical cell reinforcing and grouting.
5. All lintels meet or exceed L/360 vertical deflection, except lintels 17'-4" and longer with a nominal height of 8" meet or exceed L/180.
6. Bottom field added rebar to be located at the bottom of the lintel cavity.
7. 7/32" diameter wire stirrups are welded to the bottom steel for mechanical anchorage.
8. Cast-in-place concrete may be provided in composite lintel in lieu of concrete masonry units.
9. Safe load ratings based on rational design analysis per ACI 318 and ACI 530

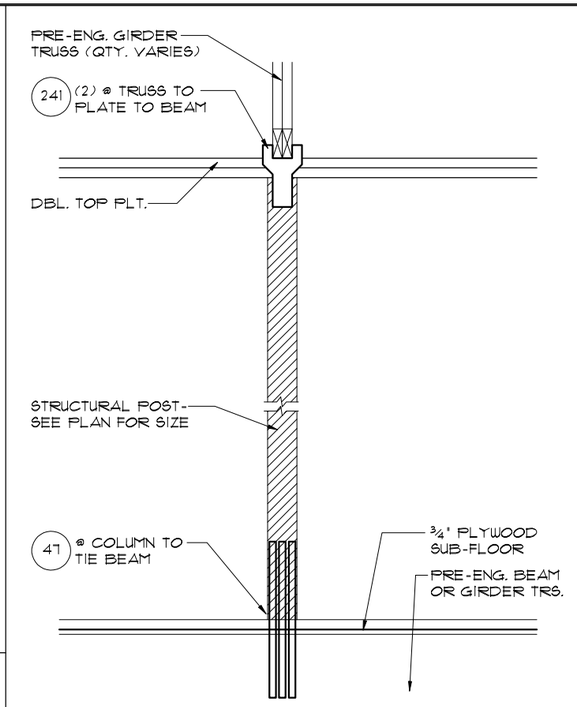
SAFE LOAD TABLE NOTES

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

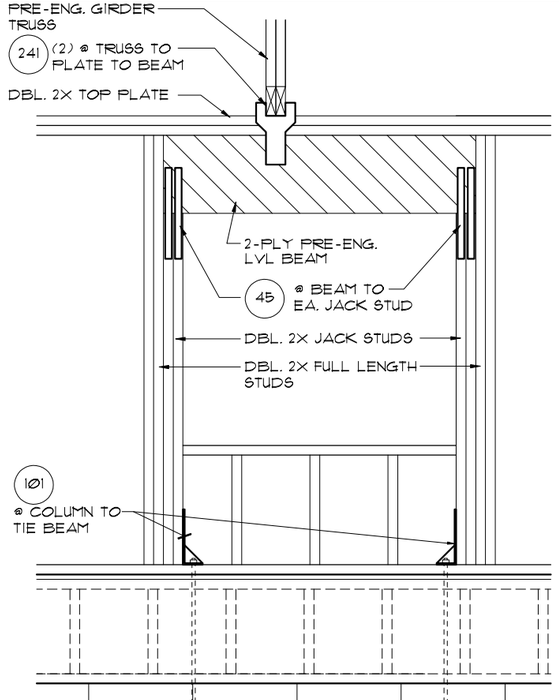
8" PRECAST W/ 2" RECESS DOOR U-LINTELS

LENGTH \ TYPE	UPLIFT 8RF6-1T / 8RF6-2T	8RF10-1T / 8RF10-2T	8RF14-1T / 8RF14-2T	8RF18-1T / 8RF18-2T	8RF22-1T / 8RF22-2T	8RF26-1T / 8RF26-2T	8RF30-1T / 8RF30-2T	LATERAL 8RU6	LATERAL 8RF6
4'-4" (52") PRECAST	1244	1573	2413	3260	4112	4967	5829	932	932
	1244	1578	2339	3170	4008	4850	5696		
4'-6" (54") PRECAST	1192	1509	2311	3121	3937	4756	5571	853	853
	1192	1495	2240	3036	3831	4643	5453		
5'-8" (68") PRECAST	924*	1172	1795	2423	3055	3689	4325	501	501
	924	1132	1741	2351	2978	3603	4230		
5'-10" (70") PRECAST	886*	1138	1742	2352	2965	3581	4198	469	469
	896	1098	1690	2288	2891	3497	4106		
6'-8" (80") PRECAST	778	882	1513	2042	2573	3107	3642	830	1100
	778	956	1468	1981	2505	3035	3563		
7'-6" (90") PRECAST	688	697	1325	1810	2280	2753	3227	710	941
	688	849	1302	1762	2225	2690	3157		
9'-8" (116") PRECAST	533*	433	808	1123	1413	1704	1998	516	614
	533	521	1009	1369	1728	2088	2450		

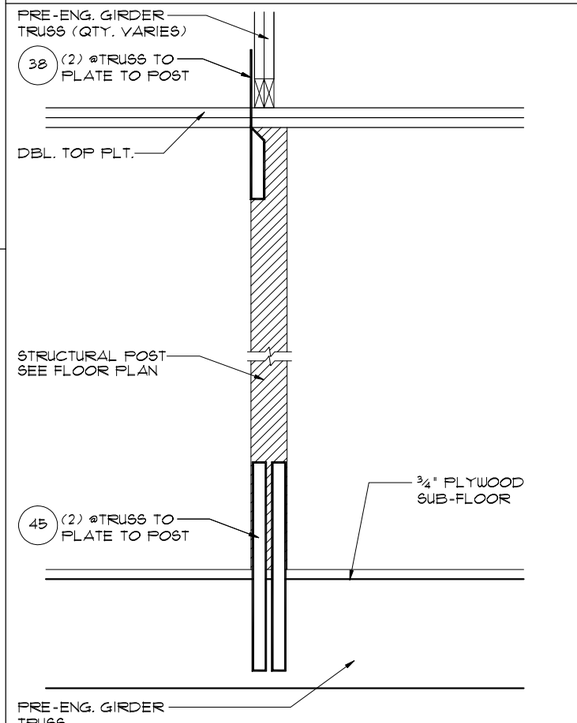
*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR



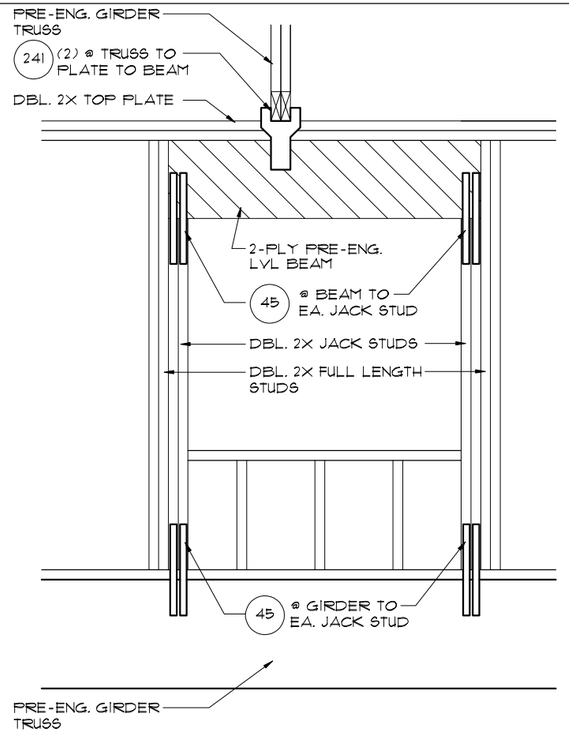
2/17 DETAIL
1/2"= 1'-0" (11X17) 1"= 1'-0" (22"X34")



1/17 DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



4/17 DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)



3/17 DETAIL
1/2"=1'-0" (11X17) 1"=1'-0" (22X34)

THIS STRUCTURE IS DESIGNED TO WITHSTAND 140 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: 0000, PARADISO GRANDE

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PARADISO GRANDE

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Park Square HOMES

PRE CAST LINTEL DATA / STRUCTURAL DETAILS

REEF
PARADISO GRANDE

4232

DATE 04-09-21
SCALE AS NOTED
DRAWN RDC
JOB 4232
SHEET 17
OF SHEETS