1966

THE MARGATE II (SIDING)

FLORIDA SERIES

PAD SIZE: 40' X 65'

SHEET INDEX:

00	COVER SHEET
01AB	FOUNDATION PLAN "A" & "B"
01C	FOUNDATION PLAN "C"
02AB	FLOOR PLAN W/ DIMENSIONS "A" & "B"
02C	FLOOR PLAN W/ DIMENSIONS "C"
03AB	FLOOR PLAN W/ NOTES "A" & "B"
03C	FLOOR PLAN W/ NOTES "C"
04A	EXTER. ELEVATION "A"- FRONT & REAR
04B	EXTER. ELEVATION "B"- FRONT & REAR
04C	EXTER. ELEVATION "C"- FRONT & REAR
05A	EXTER. ELEVATION "A"- LEFT & RIGHT
05B	EXTER. ELEVATION "B"- LEFT & RIGHT
05C	EXTER. ELEVATION "C"- LEFT & RIGHT
06	CROSS SECTION / INTERIOR ELEVATIONS
07AB	ELECTRICAL PLAN
07C	ELECTRICAL PLAN
08A	TRUSS LAYOUT "A"
08B	TRUSS LAYOUT "B"
08C	TRUSS LAYOUT "C"
09AB	PRE-CAST LINTEL LAYOUT- "A" & "B"
09C	PRE-CAST LINTEL LAYOUT- "C"
10	TYPICAL DETAILS
11	TYPICAL DETAILS
D1	TYPICAL STRUCTURAL DETAILS
D2	TYPICAL STRUCTURAL DETAILS
D3	TYPICAL STRUCTURAL DETAILS

* ADD .3 FOR 3-CAR GARAGE OPTION

REVISION SCHEDULE

NO.	DATE	DESCRIPTION	BY
1	12/22/17	UPDATE TO 2017 CODE	MW
2	05/09/18	-ADDED OPT. GAREGE SERVICE DOOR	AN
3	11/28/18	-DELETE MASTER BR. NICHE & CHANGE ALL INTERIOR ARCHES TO FLAT SOFFITS	MW
4	02/15/19	-ADDED 2019 PLAN FEST CHANGES	MW
5	05-16-19	-ADDED NEW A,B,C SIDING ELEVATIONS	JF
6	07-08-19	-REVISE ENTRY FLOORING	MW
7	01-08-21	UPDATE TO CODE 2020	RN

THIS STRUCTURE IS DESIGNED TO WITHSTAND 150 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

LOT: SPECIFIC INFORMATION

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FLORIDA SERIES

REVISIONS	BY
05-16-19	JF

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PHONE 407-721-2292

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

Park Square HOMES

COVER SHEET

1966

MARGATE II

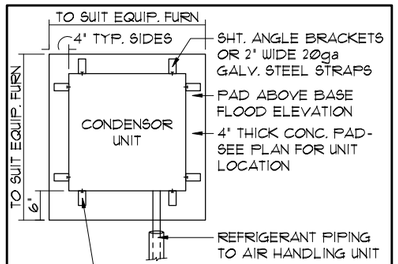
DATE 04-05-2017

SCALE AS NOTED

DRAWN RDC

JOB N/A

SHEET 00 OF 00 SHEETS

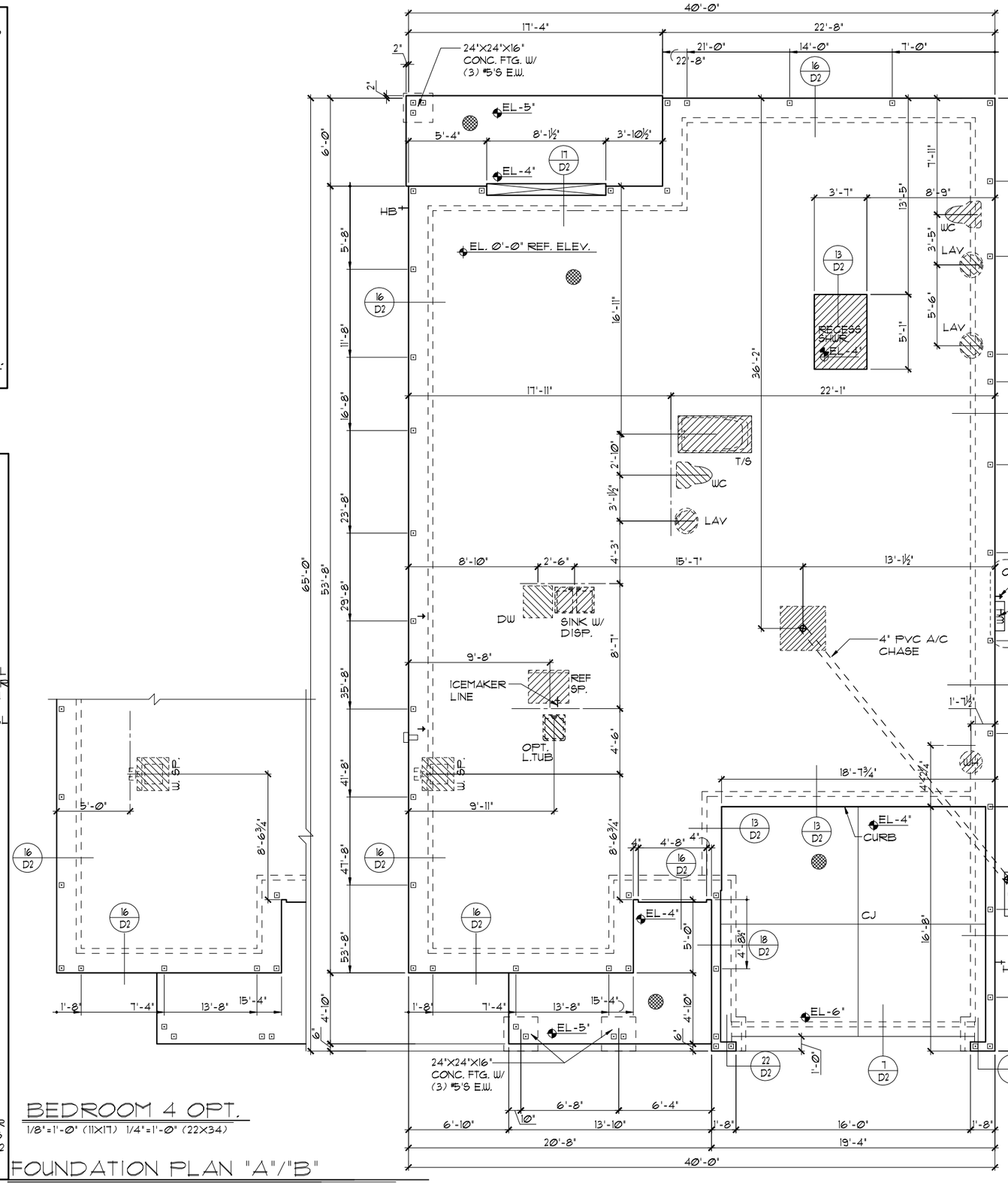


ANCHOR SPACING TABLE	
LENGTH / SIDE	NO. OF ANCHOR/SIDES
LESS THAN 12"	ONE / SIDE
12" - 24"	TWO / SIDE
24" - 36"	THREE / SIDE
36" UP & 5tons & UP	FOUR / SIDE

1/01 COND. ANCHOR DET.
N.T.S.

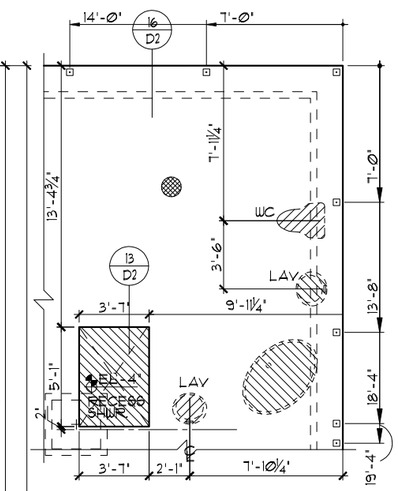
FOUNDATION NOTES

1. CONTRACTOR VERIFY ALL DIMENSIONS ON JOB SITE.
2. ⊡ DENOTES FILL CELL REINF. W/ CONC. W/ (1) #5φ REBAR. GRADE 60
3. ■ DENOTES FILL CELL REINF. W/ CONC. W/ (2) #5φ 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. ~~16/D2 STANDARD FOOTING~~ NOT USED
   ~~1/D2 ALTERNATE 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.
11. BORA-CARE TO BE APPLIED ON INTERIOR WALLS IAW MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, PURSUANT TO CH.402 FLORDA BUILDING CODE.



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

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



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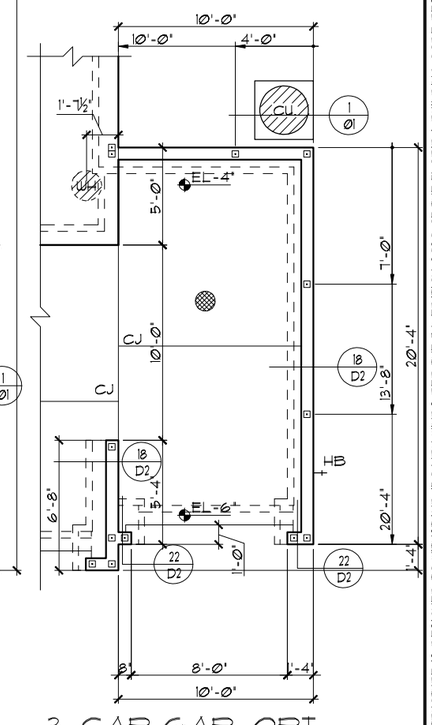

3-CAR GAR. OPT.
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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FLORIDA SERIES

REVISIONS	BY
05-16-19	JF

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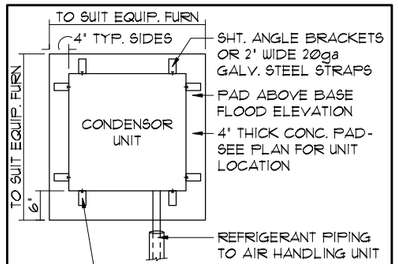
Park Square HOMES

FOUNDATION PLAN

1966
MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	01AB
OF	00 SHEETS



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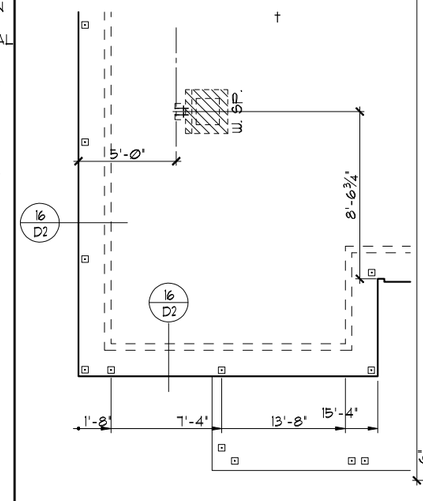

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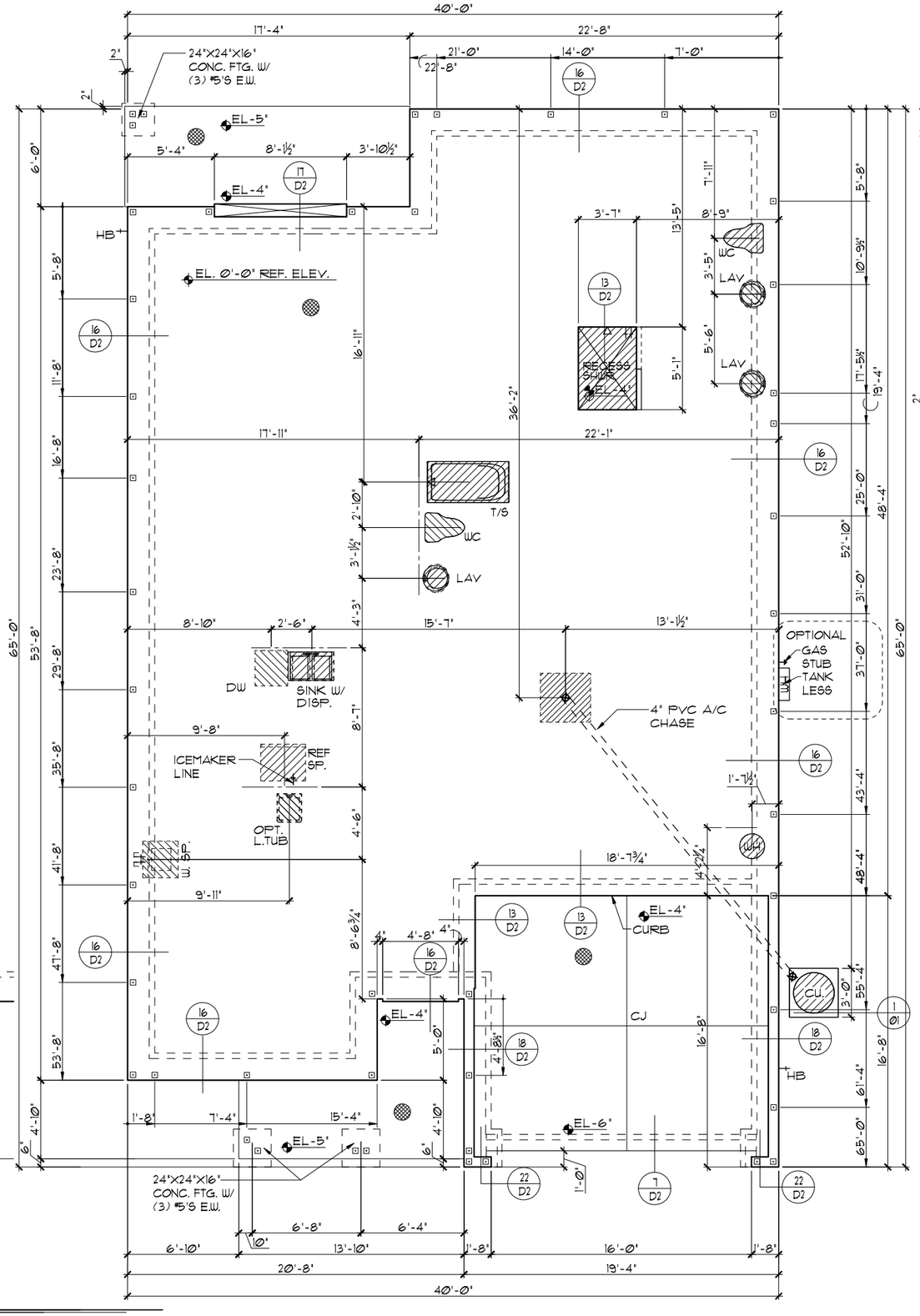
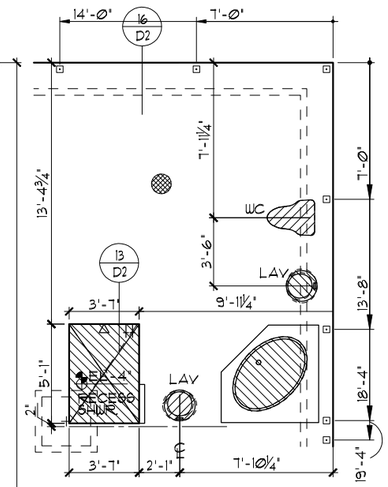


FOUNDATION PLAN "C"
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)



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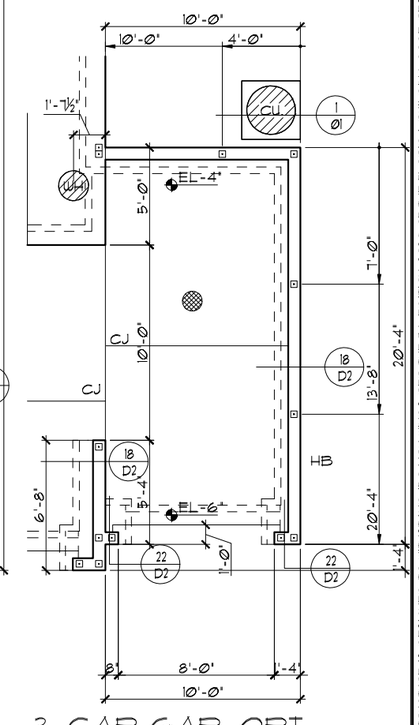

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FOUNDATION PLAN

1966
MARGATE II

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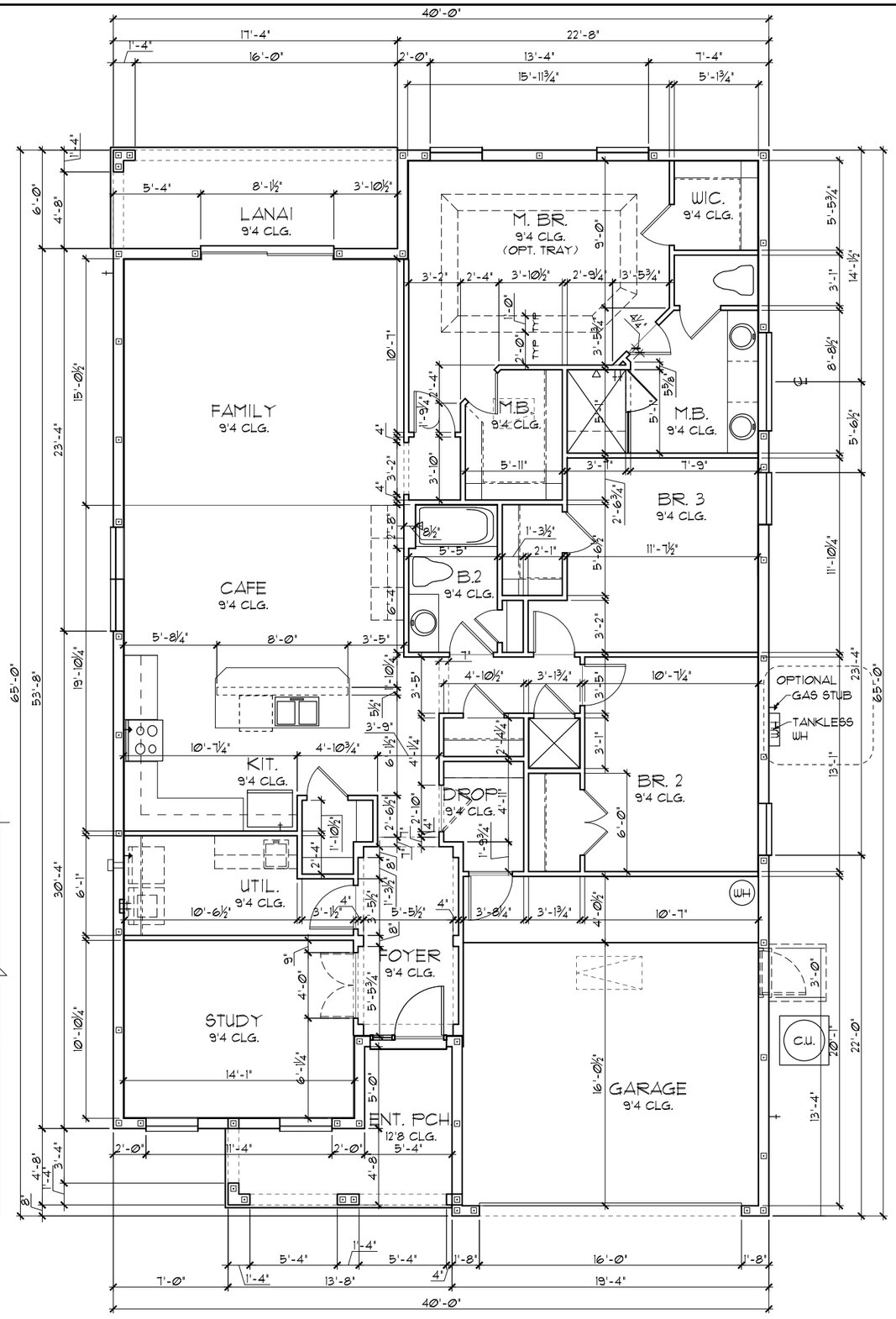
JOB	N/A
SHEET	01C
OF	00 SHEETS



FLOOR PLAN W/ DIMENSIONS "A"/"B"

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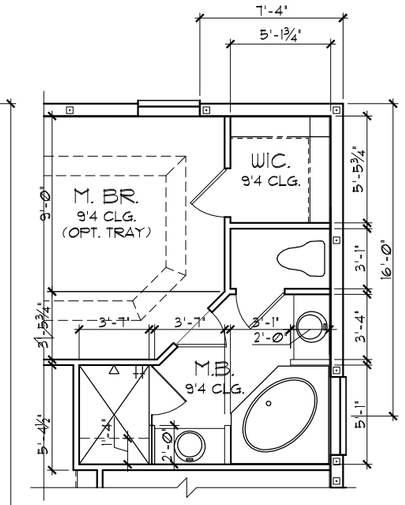

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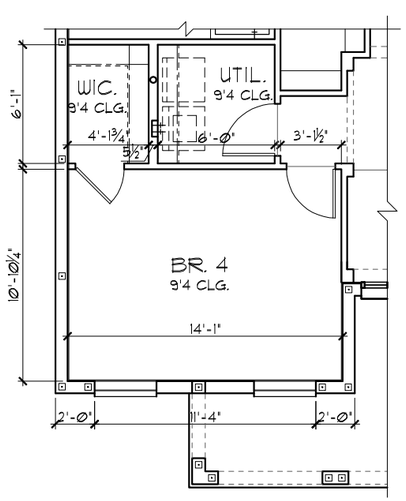

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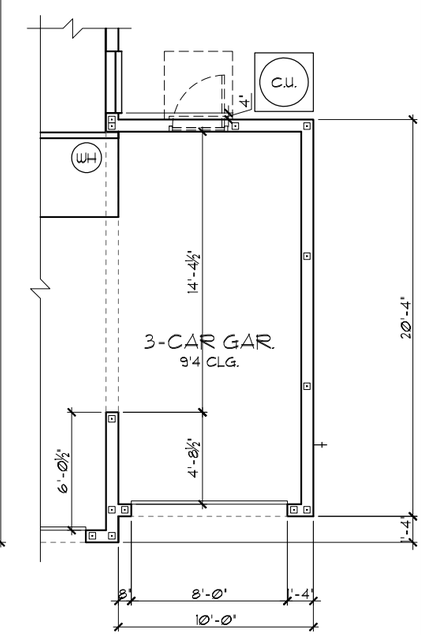

3-CAR GAR. OPT.

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

TABULATION

TOTAL LIVING	1,966	SF.
GARAGE	393	SF.
ENTRY PORCH	90	SF.
LANAI	104	SF.
TOTAL UNDER ROOF	2,553	SF.
OPT. 3-CAR GARAGE	203	SF.
TOTAL UNDER ROOF	2,756	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.
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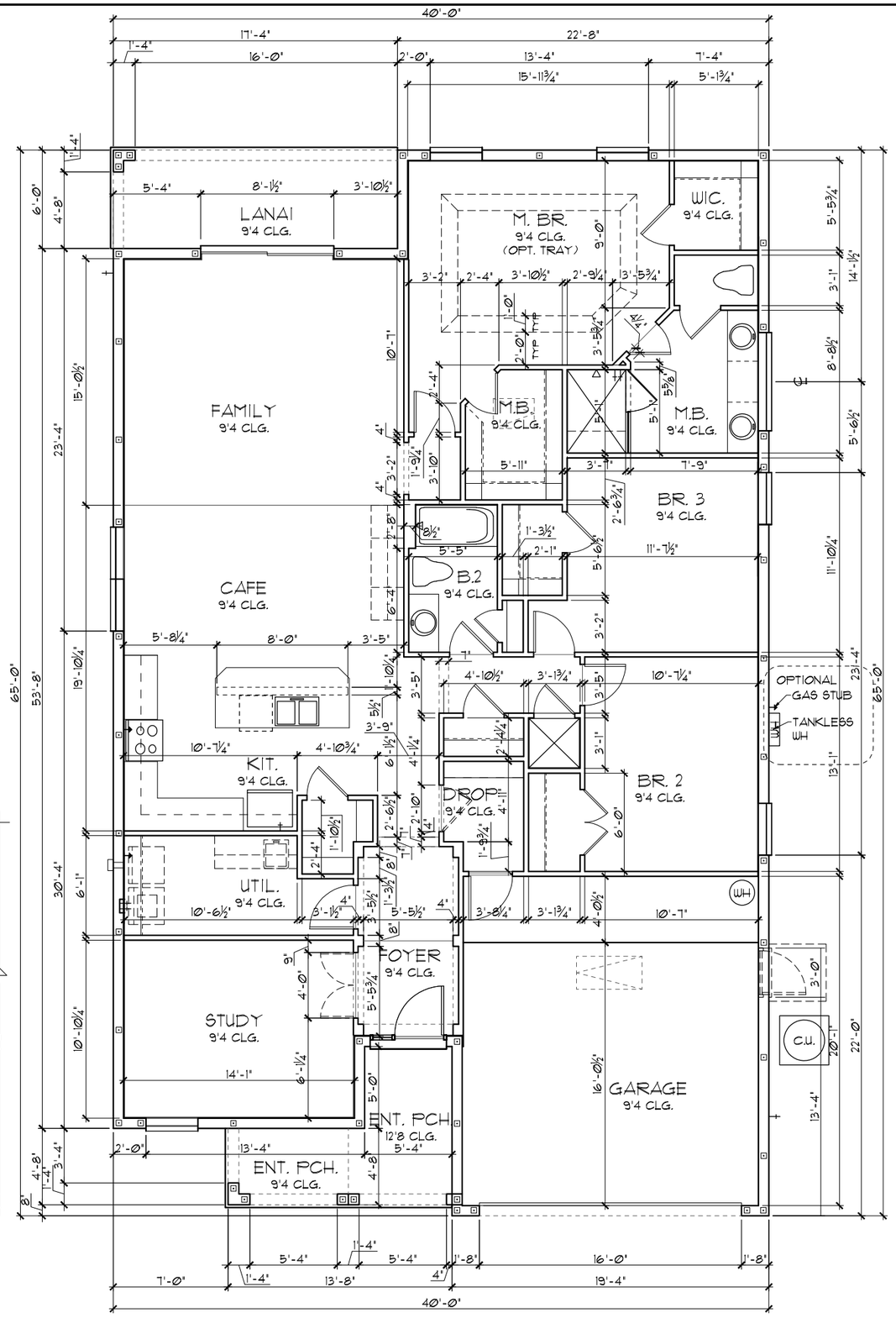
Park Square HOMES

FLOOR PLAN W/ DIMENSIONS

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	02AB.0
OF	00 SHEETS



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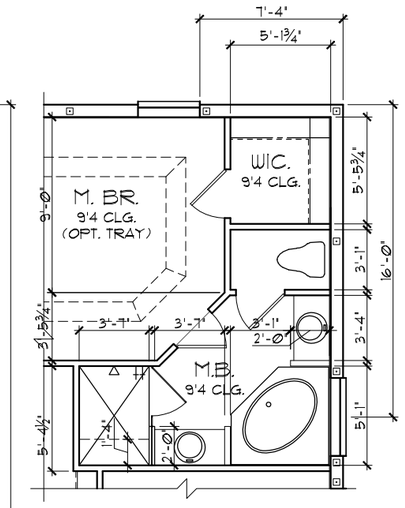

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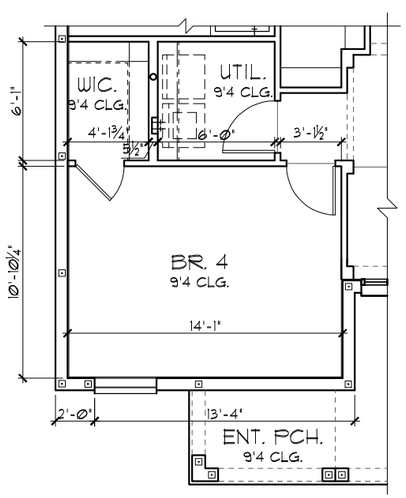

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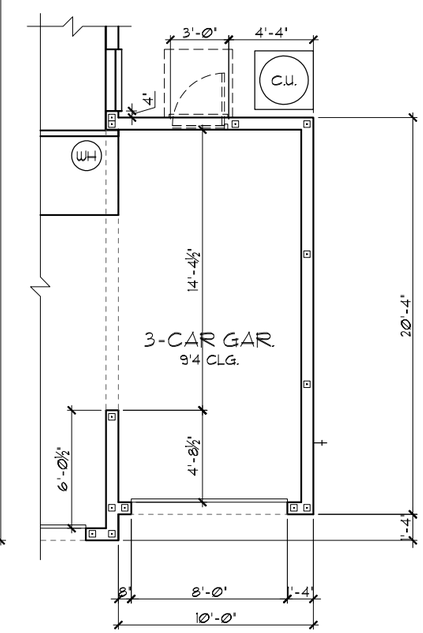

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FLOOR PLAN W/ DIMENSIONS

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	02C.0
OF	00 SHEETS

LOAD INFORMATION

PER 7TH EDITION, 2020 FLORIDA BUILDING RESIDENTAIL 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
UNINHABITABLE ATTIC WITHOUT STORAGE:	10 PSF
UNINHABITABLE ATTIC W/LIMITED STORAGE:	20 PSF
ROOMS OTHER THAN SLEEPING ROOM:	40 PSF
SLEEPING ROOM:	30 PSF
STAIR LIVE LOAD:	40 PSF

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 RESIDENTAIL CODE

1. BASIC WIND SPEED: 150 MPH
2. WIND IMPORTANCE FACTOR: N/A
3. BUILDING CATEGORY: C
4. INTERNAL PRESSURE COEFFICIENT: +/-.18, INCLUDED IN NOTE #5
5. COMPONENT / CLADDING DESIGN WIND PRESSURE: SEE PLAN

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

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

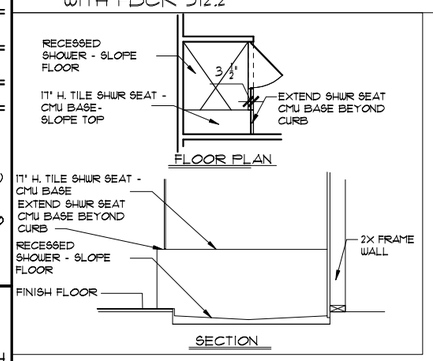
GENERAL NOTES

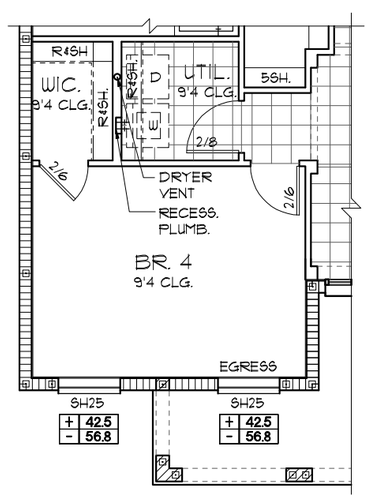
1. PROVIDE RECESS HOT & COLD WATER WITH DRAIN @ WASHER SPACE.
2. VENT DRYER THRU ROOF.
3. PROVIDE COLD WATER LINE FOR ICE MAKER LINE @ REF. SPACE.
4. DO NOT SCALE PRINTS! CONSTRUCTION TO BE FROM CALCULATED DIMENSIONS ONLY. ANY DISCREPANCIES OR ERRORS TO BE REPORTED PROMPTLY TO SUPERVISOR FOR CLARIFICATION.
5. MECHANICAL EQUIPMENT LOCATION TO BE DETERMINED BY COMMUNITY STANDARDS AND APPLICABLE COUNTY CODES.
6. DENOTES CONC. BLOCK WALL HGT. @ 9'-4" A.F.F.
   DENOTES CONC. BLOCK WALL HGT. @ 12'-8" A.F.F.
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: M 307.3 + 1307.3.1
10. ALL INTER. FIRST FLOOR CEILINGS AT 10'-0" UNLESS NOTED OTHERWISE.
    ALL INTER. SECOND FLOOR CEILINGS AT N/A UNLESS NOTED OTHERWISE.

NOTE: DOOR FROM HOUSE TO GARAGE MUST BE SOLID WOOD DOORS NO LESS 1 3/8" IAW R302.5.1

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

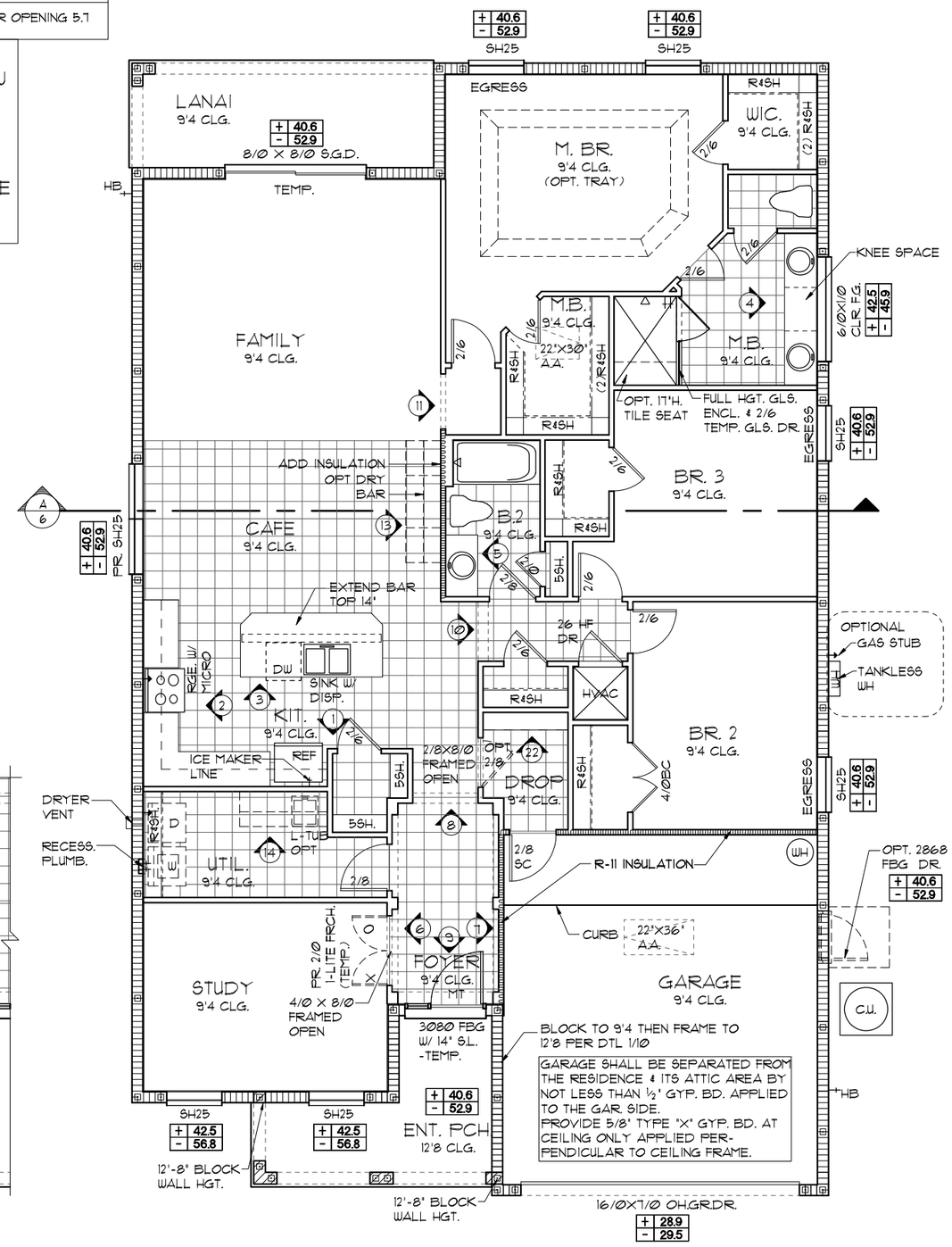
NOTE:
- ALL EMERGENCY ESCAPE WINDOW SILLS TO BE NOT MORE THAN 44"MIN. A.F.F.- R310.2 - FBCR (2020)
- WINDOWS SILLS LOCATED LESS THAN 24"ABOVE FINISHED GRADE MUST COMPLY WITH FBCR 312.2





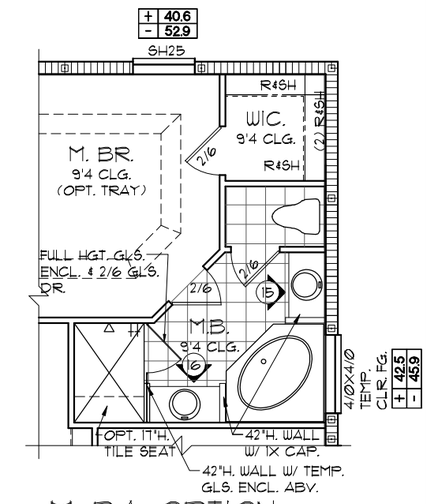
BEDROOM 4 OPT.

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



FLOOR PLAN W/ NOTES "A"/"B"

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



M. BA. OPTION

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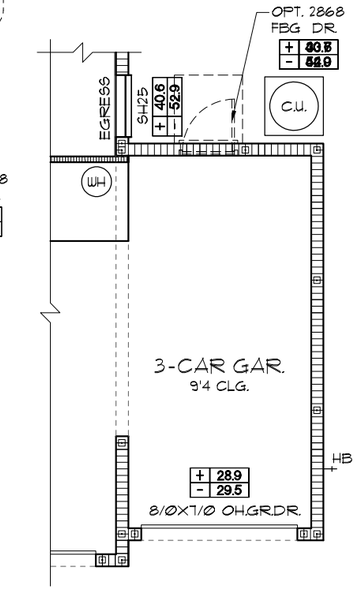

3-CAR GAR. OPT.

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

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

NOTE: FIREBLOCKING AND DRAFTSTOPPING SHALL BE PROVIDED IN COMPLIANCE WITH FBC-2017 -R302.11 & R302.12

NOTE: SEE FINAL COLOR SHEET FOR FLOORING INFO

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 150 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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FLORIDA SERIES

REVISIONS	BY
05-16-19	JF

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Park Square HOMES

FLOOR PLAN W/ NOTES

1966
MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	03AB
OF	00 SHEETS

LOAD INFORMATION

PER 7TH EDITION, 2020 FLORIDA BUILDING RESIDENTAIL 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
UNINHABITABLE ATTIC WITHOUT STORAGE:	10 PSF
UNINHABITABLE ATTIC W/LIMITED STORAGE:	20 PSF
ROOMS OTHER THAN SLEEPING ROOM:	40 PSF
SLEEPING ROOM:	30 PSF
STAIR LIVE LOAD:	40 PSF

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 RESIDENTAIL CODE

1. BASIC WIND SPEED: 150 MPH
2. WIND IMPORTANCE FACTOR: N/A
3. BUILDING CATEGORY: C
4. INTERNAL PRESSURE COEFFICIENT: +/-.18, INCLUDED IN NOTE #5
5. COMPONENT / CLADDING DESIGN WIND PRESSURE: SEE PLAN

+	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 ROOF.
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. @ **9'-4" A.F.F.**
   DENOTES CONC. BLOCK WALL HGT. @ **12'-8" A.F.F.**
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: M 307.3 + 1307.3.1
10. ALL INTER. FIRST FLOOR CEILINGS AT **9'-4"** UNLESS NOTED OTHERWISE.
    ALL INTER. SECOND FLOOR CEILINGS AT **N/A** UNLESS NOTED OTHERWISE.

NOTE: DOOR FROM HOUSE TO GARAGE MUST BE SOLID WOOD DOORS NO LESS 1 3/8" IAW R302.5.1

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

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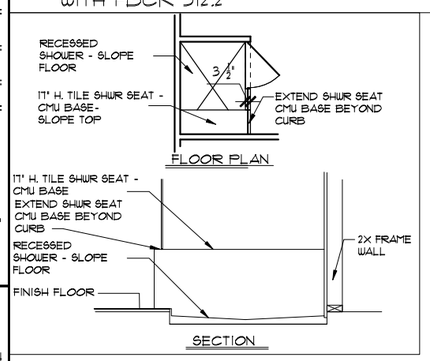

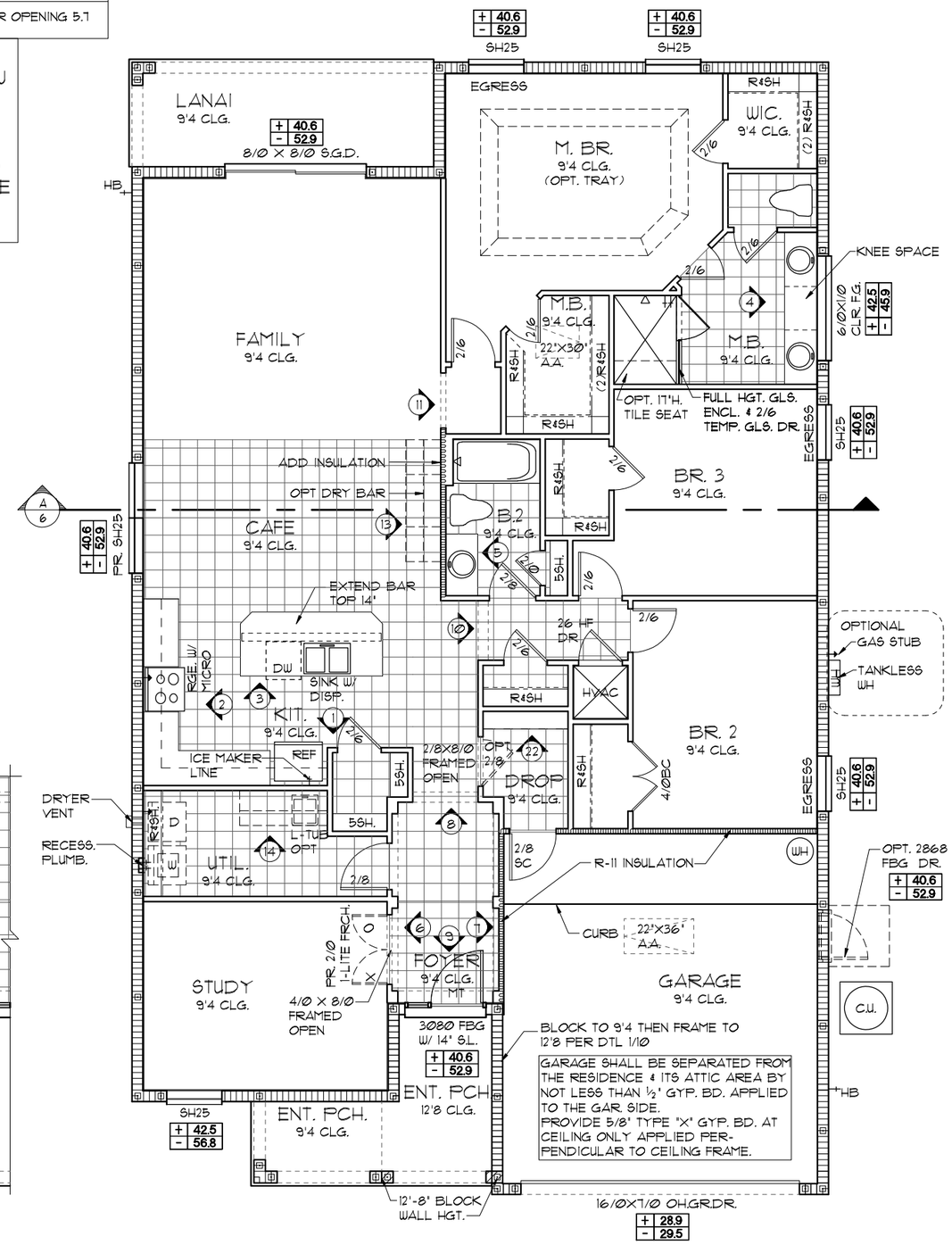

FLOOR PLAN W/ NOTES "C"

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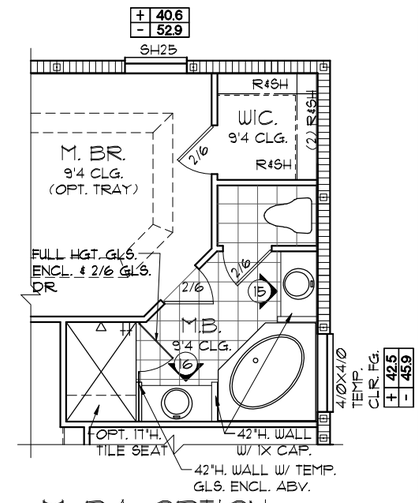

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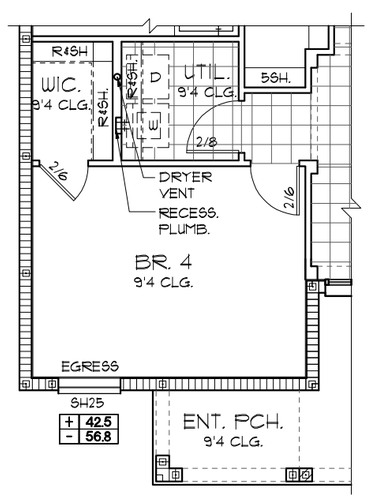

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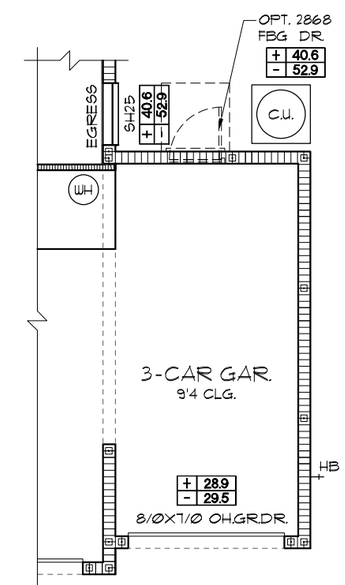

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Park Square HOMES

FLOOR PLAN W/ NOTES

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	03C
OF	00 SHEETS

EXTERIOR FINISH NOTES

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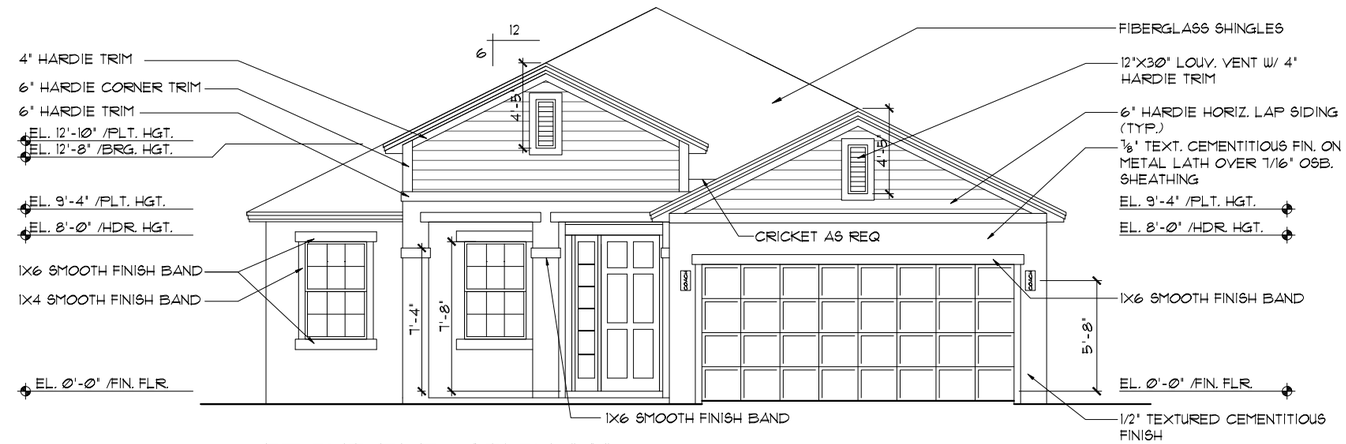
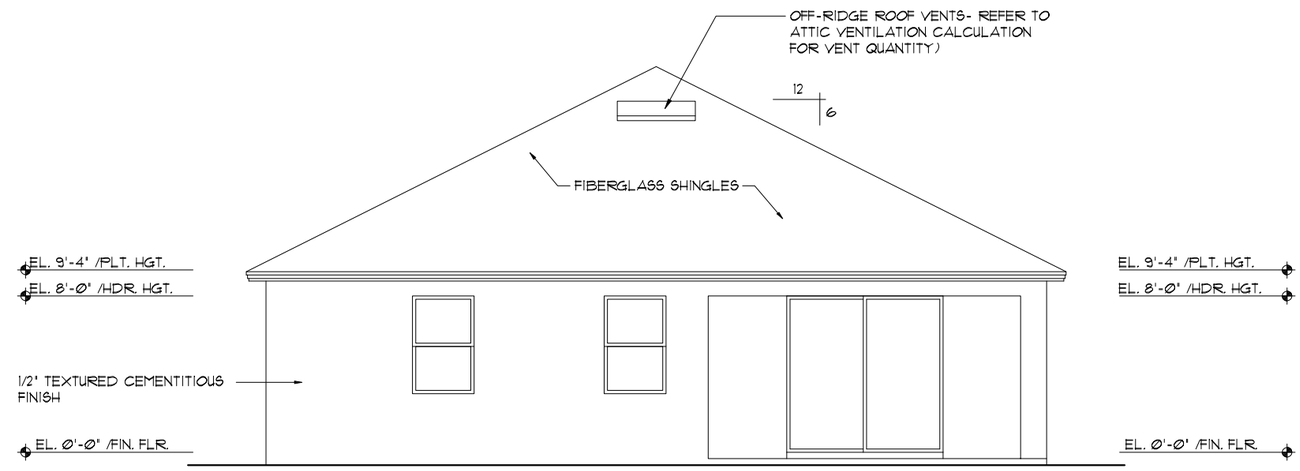
Underlayment for roof slopes 2:12 and greater shall conform to the applicable standards listed in this chapter. Underlayment materials required to comply with ASTM D226, D1970, D4869 and D6757 shall bear a label indicating compliance to the standard designation and, if applicable, type classification indicated. Underlayment for roof slopes 2:12 and greater shall be applied and attached in accordance with Section R905.1.1.1, R905.1.1.2 or R905.1.1.3, as applicable.



FRONT ELEVATION "A"

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



REAR ELEVATION

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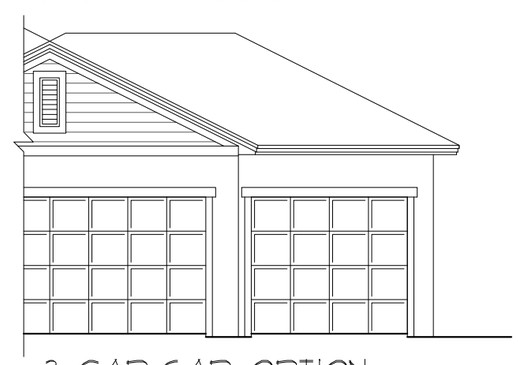

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05-16-19	JF

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Park Square HOMES

EXTERIOR ELEVATION
FRONT AND REAR

1966
MARGATE II

DATE 04-05-2017
SCALE AS NOTED
DRAWN RDC
JOB N/A
SHEET 04A
OF 00 SHEETS

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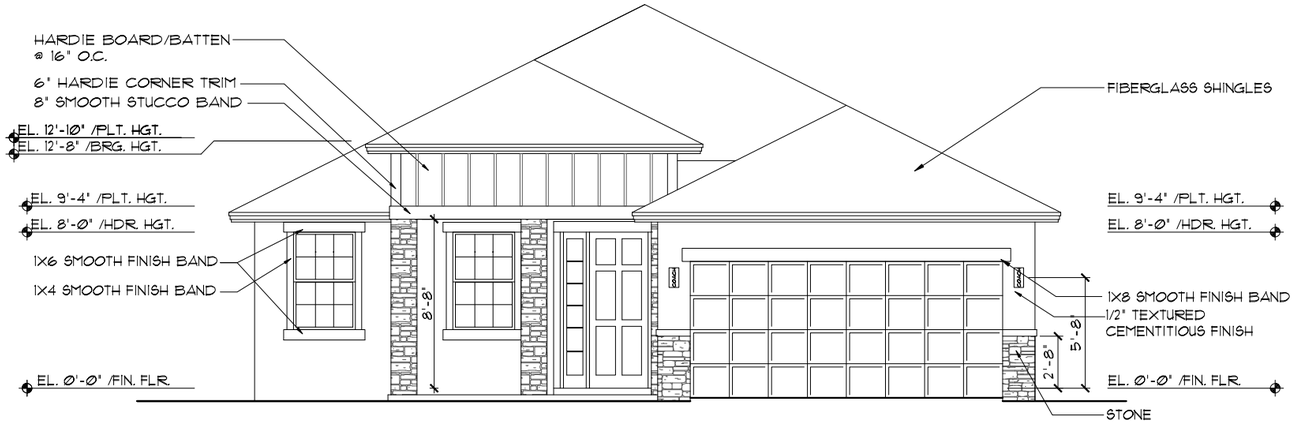

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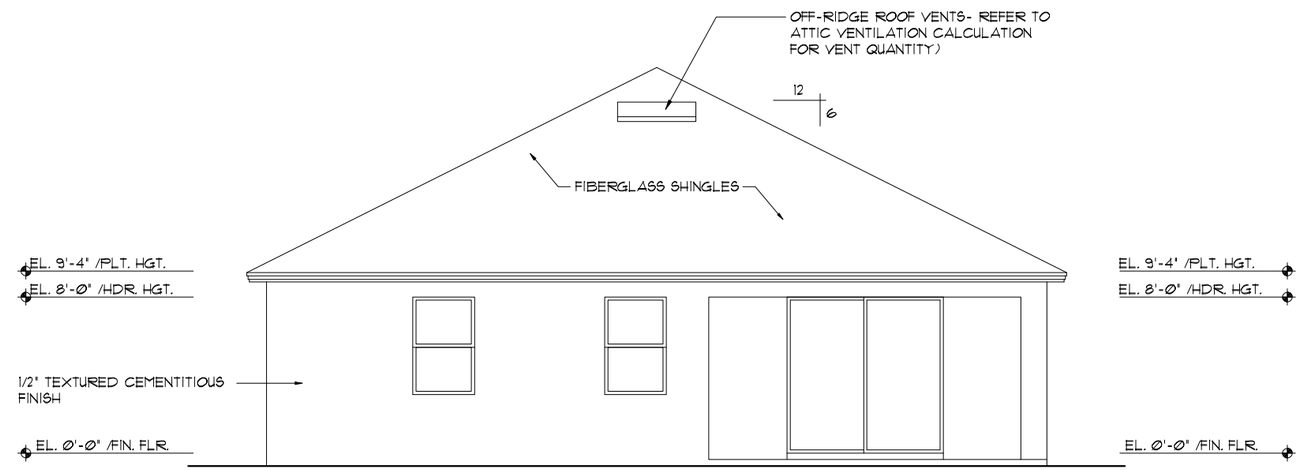

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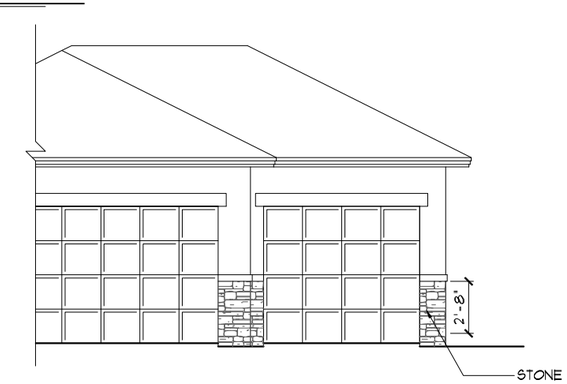

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Park Square HOMES

EXTERIOR ELEVATION
FRONT AND REAR

1966
MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	04B
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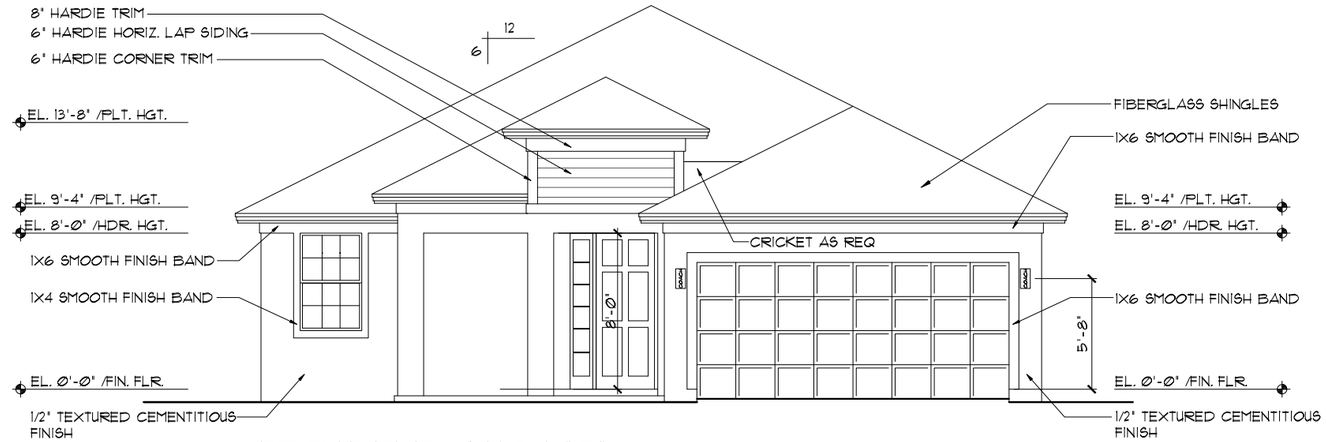

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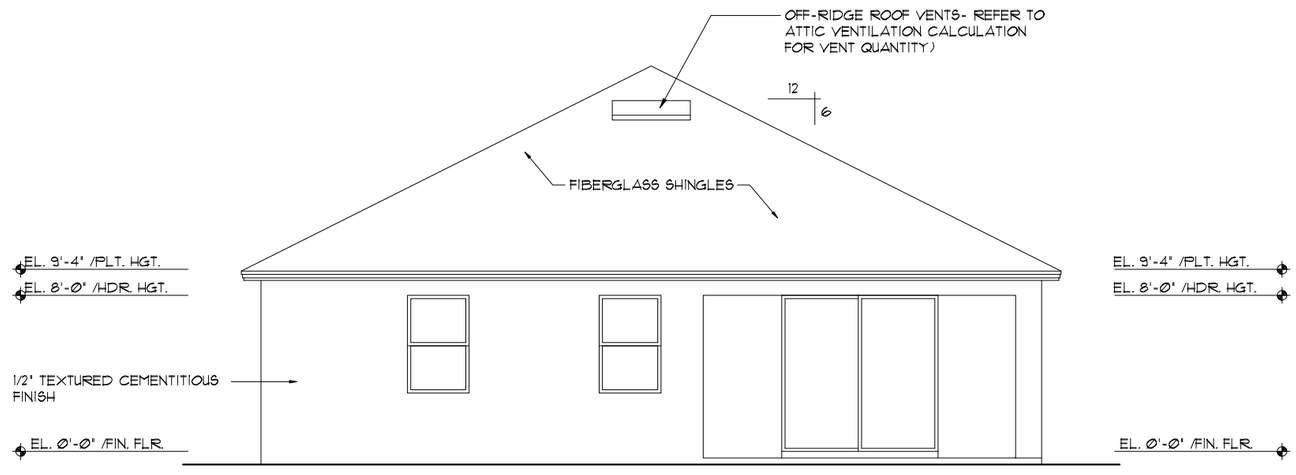

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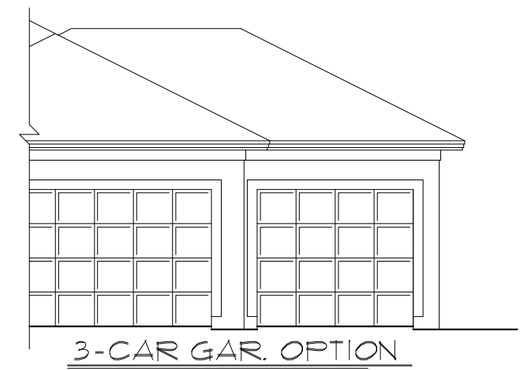

3-CAR GAR. OPTION

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 150 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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FLORIDA SERIES

REVISIONS	BY
05-16-19	JF

Engineering By:
TEG, INC.
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PHONE 407-721-2292

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

Park Square HOMES

EXTERIOR ELEVATION
FRONT AND REAR

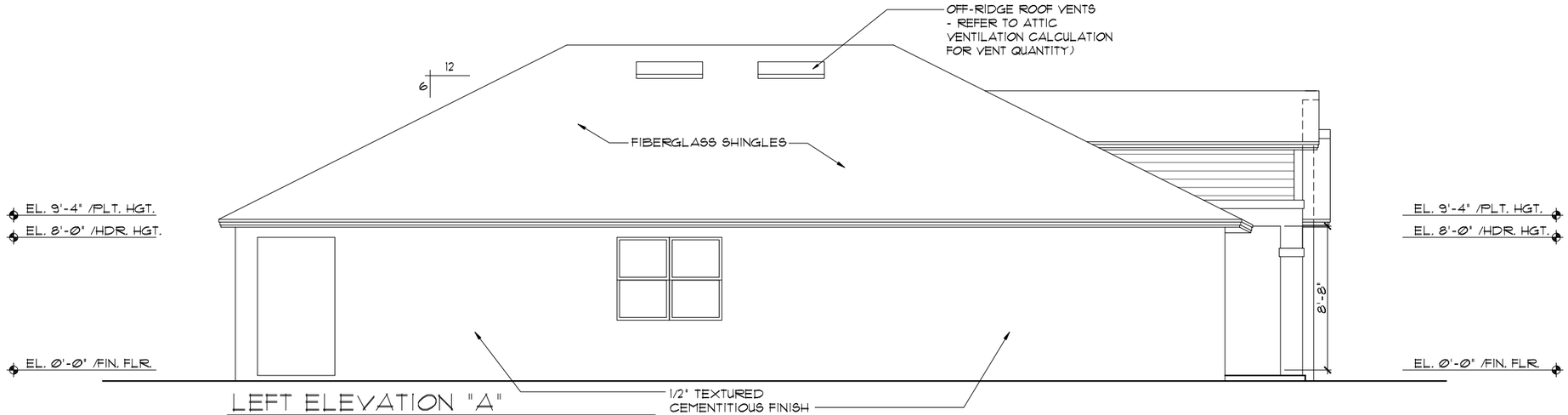
1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	04C
OF	00 SHEETS

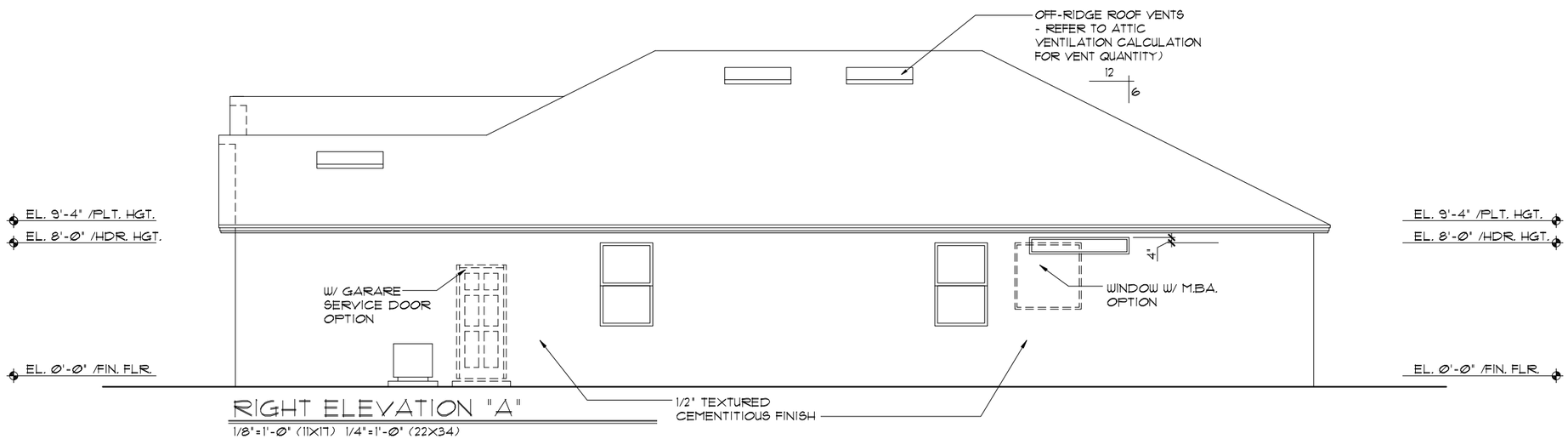
EXTERIOR FINISH NOTES

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 SHEATHING MAY BE USED AS AN ALTERNATIVE FOR WALL SHEATHING AND VAPOR BARRIER, ON EXTERIOR WALLS.



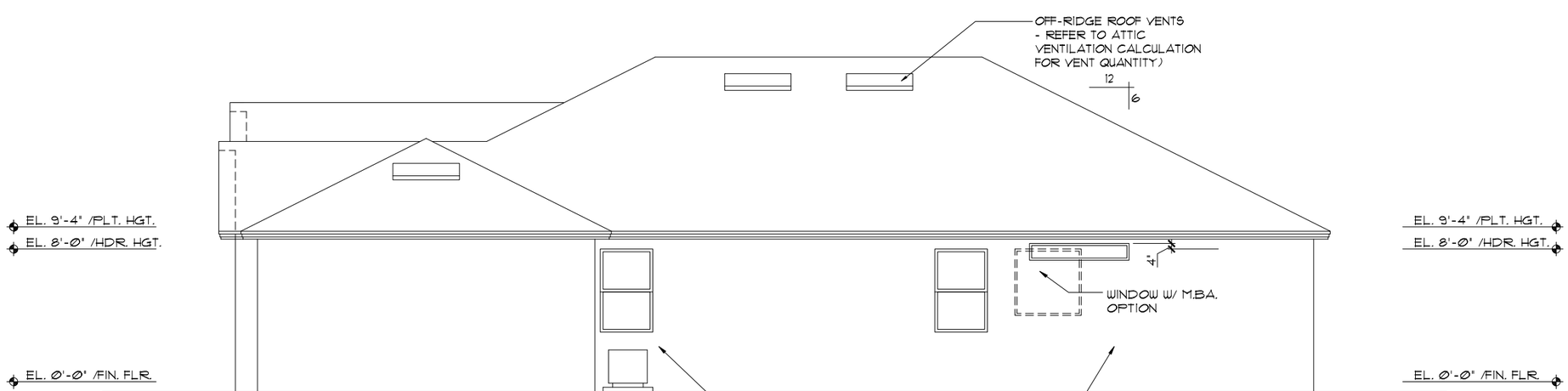
LEFT ELEVATION "A"

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



RIGHT ELEVATION "A"

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



RIGHT ELEVATION "A" (3-CAR)

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

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FLORIDA SERIES

REVISIONS	BY
05-16-19	JF

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

Park Square HOMES

EXTERIOR ELEVATION
LEFT AND RIGHT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	05A
OF	00 SHEETS

EXTERIOR FINISH NOTES

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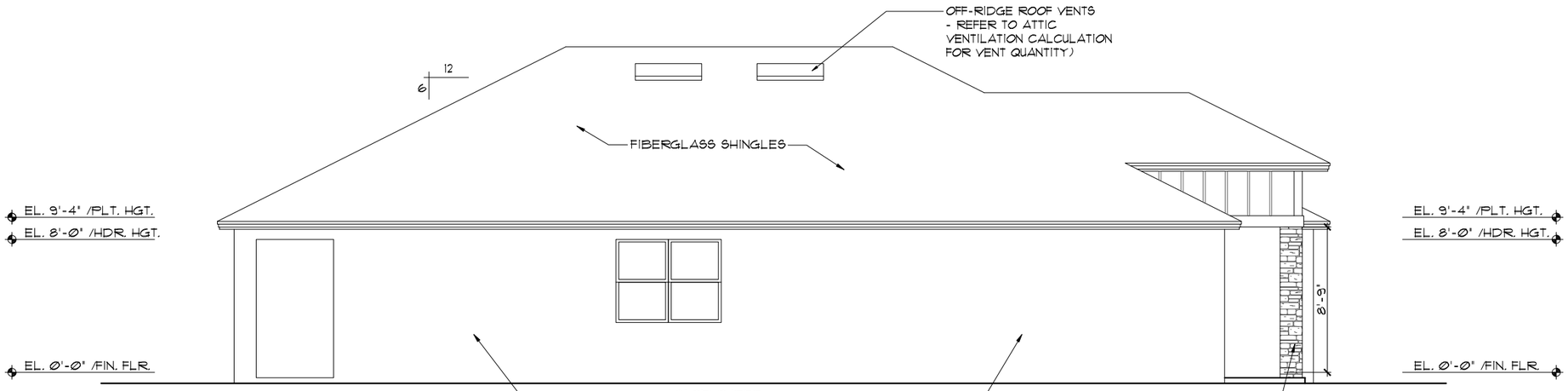
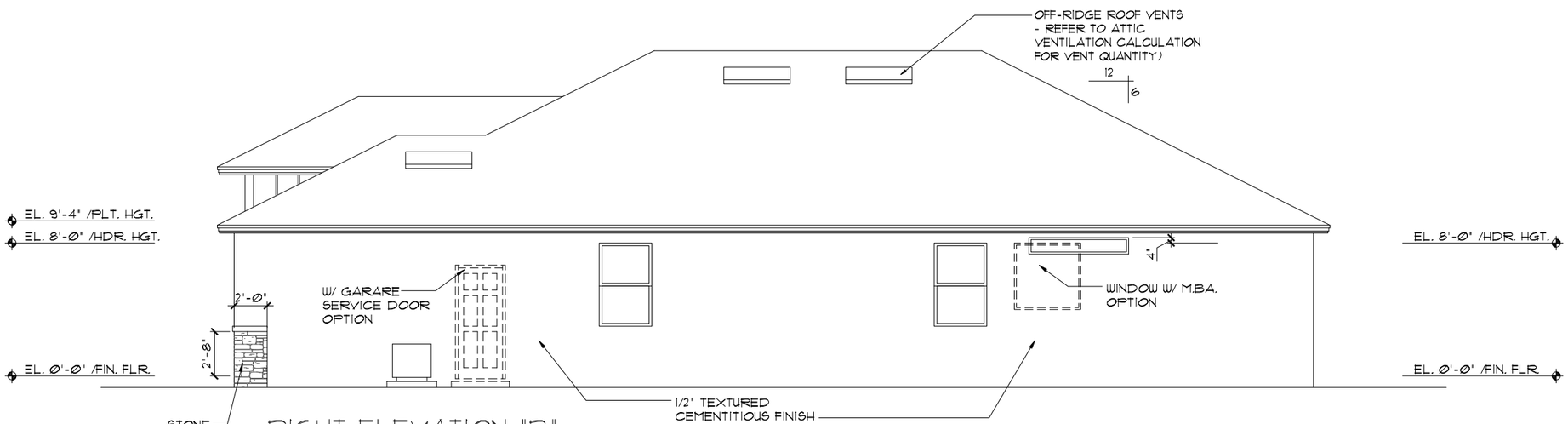


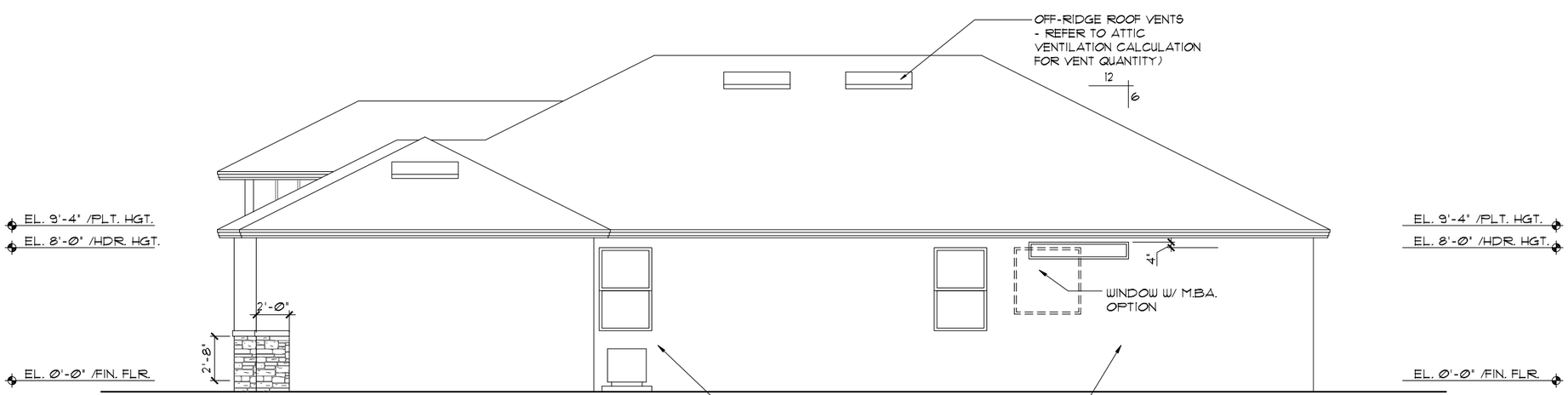
LEFT ELEVATION "B"

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



RIGHT ELEVATION "B"

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



RIGHT ELEVATION "B" (3-CAR)

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

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Park Square HOMES

EXTERIOR ELEVATION
LEFT AND RIGHT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	05B
OF	00 SHEETS

EXTERIOR FINISH NOTES

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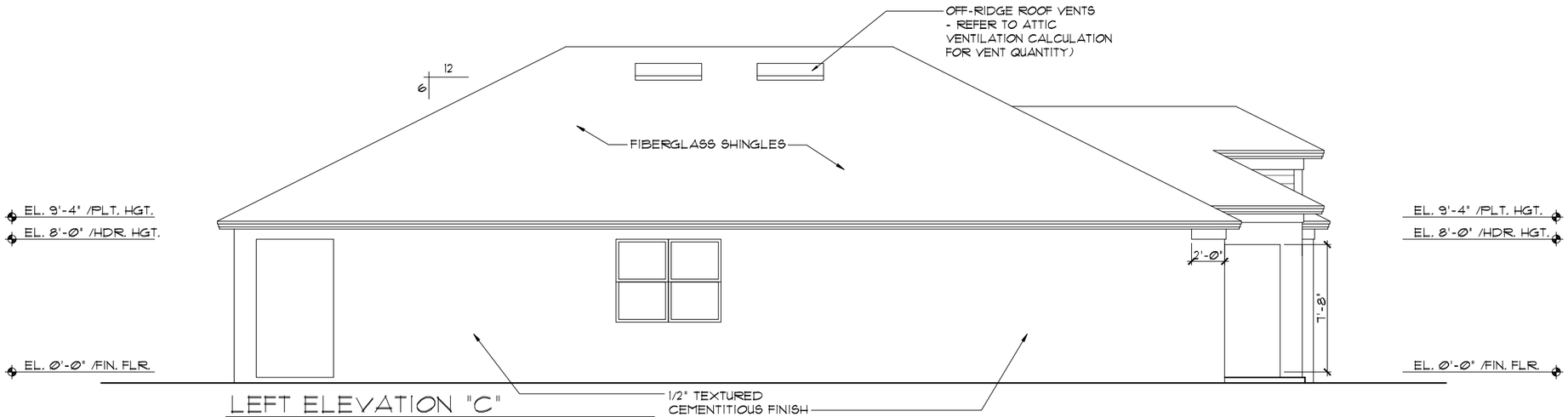
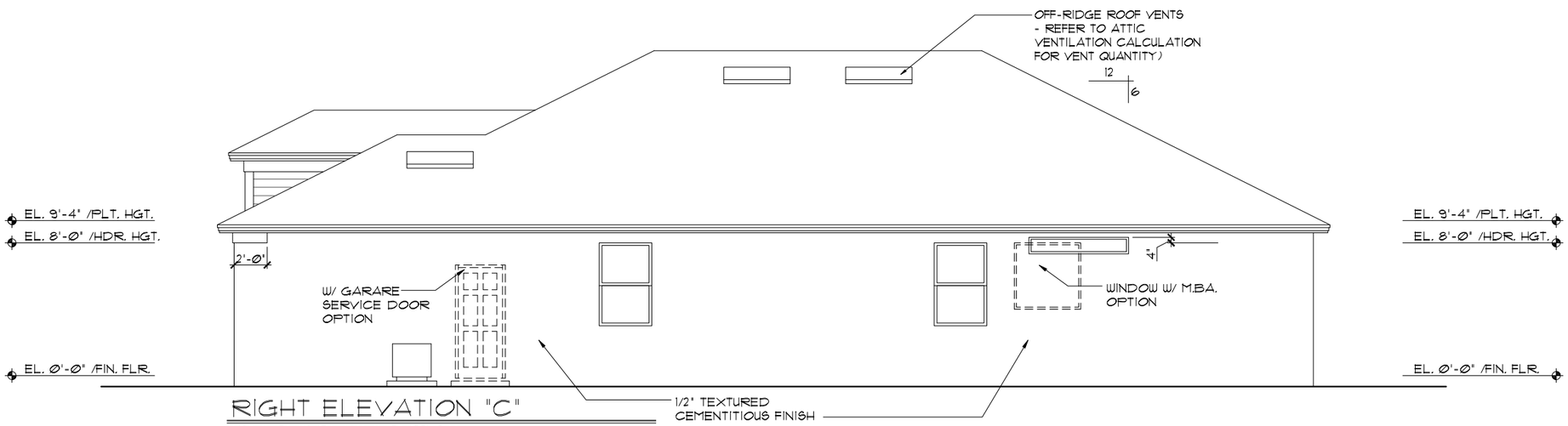


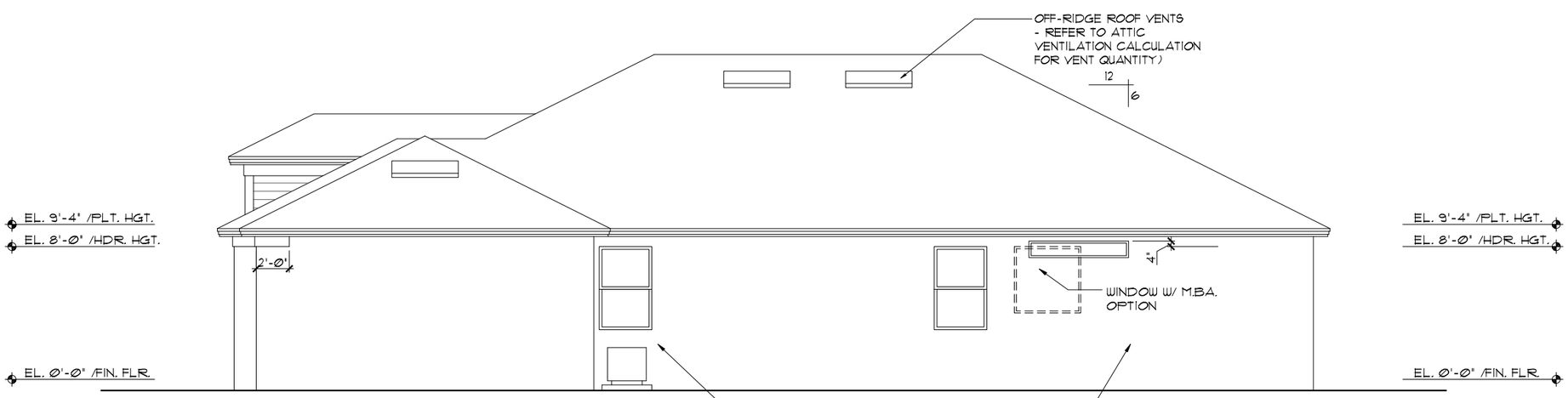
LEFT ELEVATION "C"

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



RIGHT ELEVATION "C"

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



RIGHT ELEVATION "C" (3-CAR)

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

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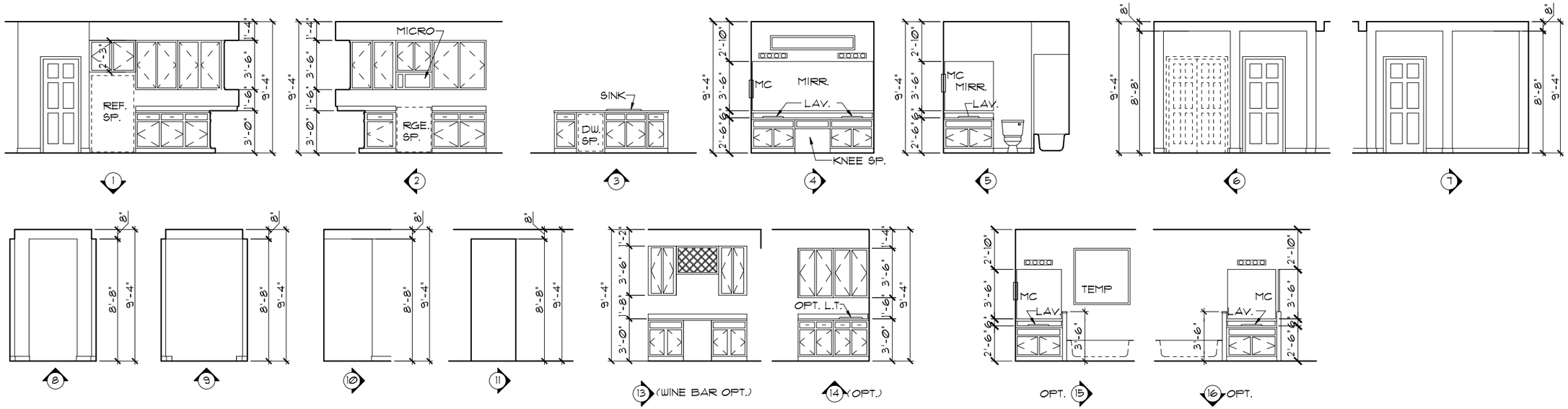
Park Square HOMES

EXTERIOR ELEVATION
LEFT AND RIGHT

1966

MARGATE II

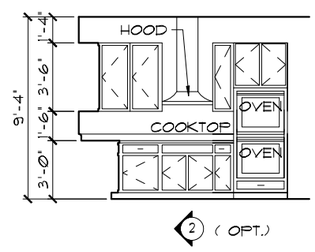
DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	05C
OF	00 SHEETS

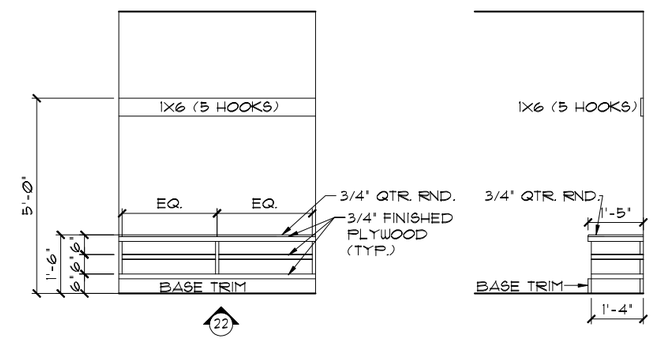


INTERIOR ELEVATIONS

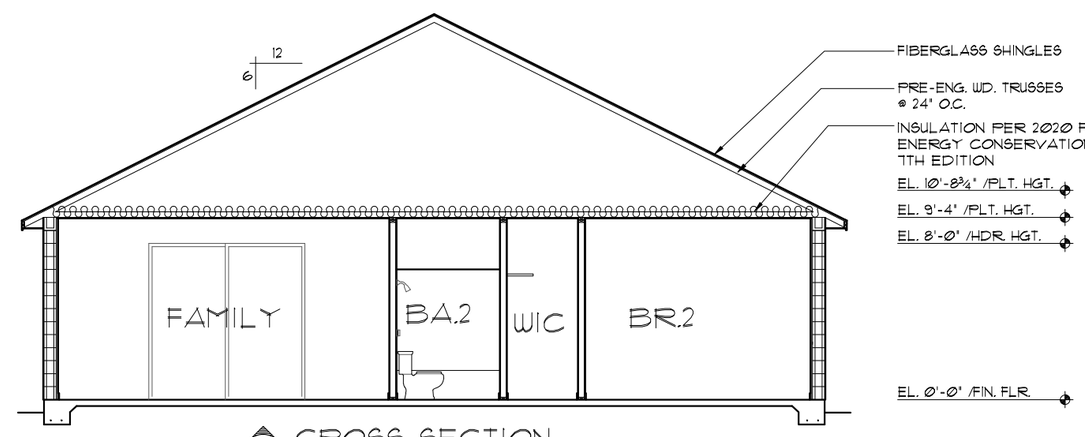
1/8"=1'-0" (11X17) 1/4"=1'-0" (22X34)

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





INSULATION INFORMATION -PER FBC-2017-R302	
WALL TYPES	INSULATION
1. CONCRETE BLOCK - INT INSULATION, EXTERIOR 2. FRAME - WOOD EXTERIOR 3. FRAME -WOOD, ADJACENT	R= 4.0 R= 11.0 R= 110
CEILING TYPES	
1. UNDER ATTIC (VENTED)	R= 30.0



CROSS SECTION

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

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Park Square HOMES

INTERIOR ELEVATIONS/ CROSS SECTION

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	06
OF	00 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 2020- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION-KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.

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

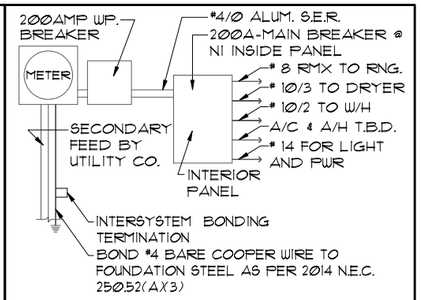
9.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2020, 7TH ED.

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 2014**

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

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



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, 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.

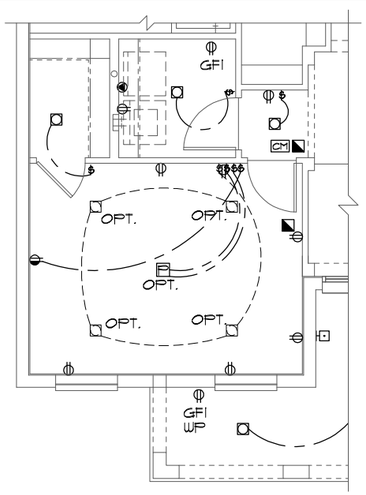
There are two types of concrete-encased electrodes: (1) steel reinforcing bars or rods which are not less than ½ inch in diameter and at least 20 ft. long, encased in 2 inches of concrete; (2) 20 ft. of bare copper conductor not smaller than No. 4 AWG encased in 2 inches of concrete.

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.

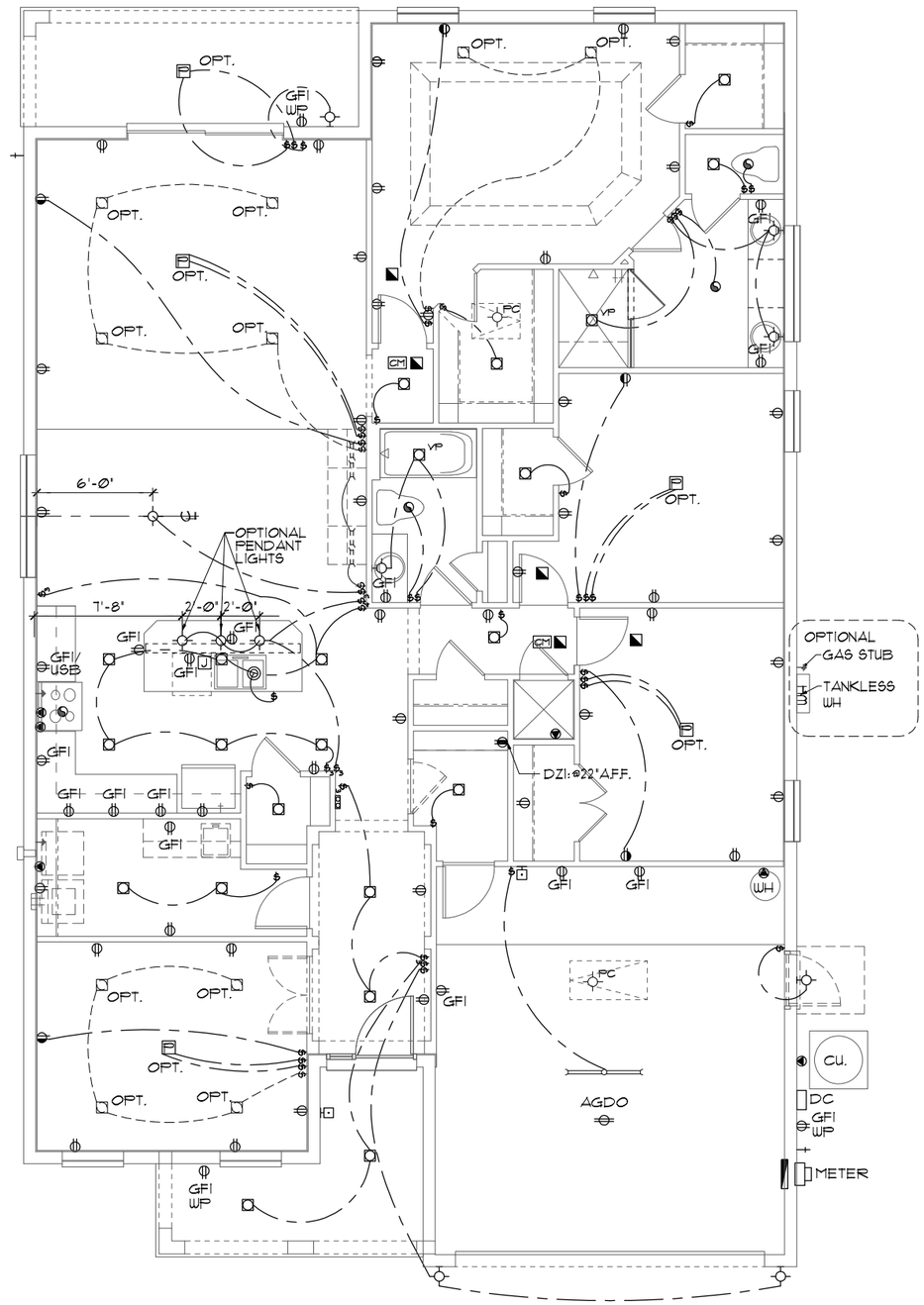
ELECTRICAL LEGEND

	SINGLE POLE SWITCH		OUTLET, TV/CABLE
	THREE WAY SWITCH		OUTLET, PHONE
	OUTLET 110-115		INTERCOM
	OUT. 110-115, SPLIT WIRED		CHIMES
	OUT. 110-115, W/ USB		SMOKE DETECTOR
	OUT. 110-115, CLG. MOUNT.	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
FC	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



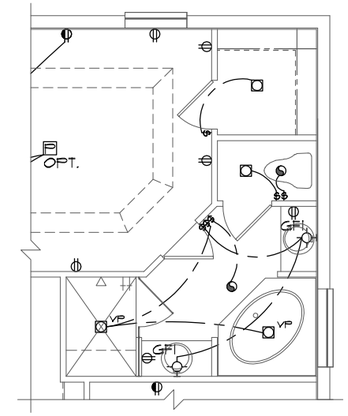
BEDROOM 4 OPT.

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



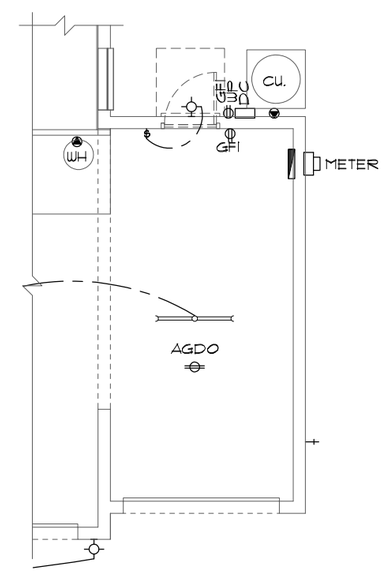
ELECTRICAL PLAN

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



M. BA. OPTION

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



3-CAR GAR. OPT.

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

NOTE: SEE FINAL COLOR SHEET FOR TV, FANS & PHONE LOCATIONS

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Park Square HOMES

ELECTRICAL PLAN

1966
MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	07
OF	00 SHEETS

MECHANICAL/GENERAL NOTES

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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.) 1AW NEC 2020- 210.12-ALL 15A OR 20A, 120V BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES IN THE FOLLOWING LOCATIONS REQUIRE AFCI PROTECTION- KITCHEN, FAMILY RMS, DINING RMS, LIVING RMS, PARLORS, LIBRARIES, BEDROOMS, DENS, CLOSETS, SUNROOMS, RECREATION RMS, HALLWAYS OR SIMILAR AREAS SHALL BE PROTECTED BY A LISTED AFCI DEVICE OF THE COMBINATION TYPE.

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

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

8.) ALL WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. 1AW FBCR 2020, 7TH ED. P2801.7

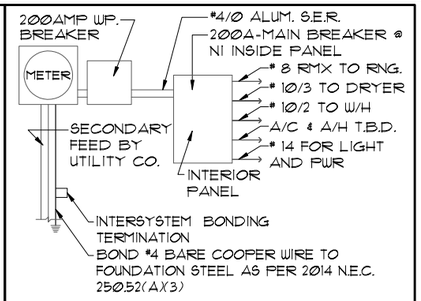
9.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM 18" ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. 1AW FBCR 2020, 7TH ED.

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

11.) ALL ELECTRICAL WORK TO BE DONE PER **NEC 2014**

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

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



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, 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.

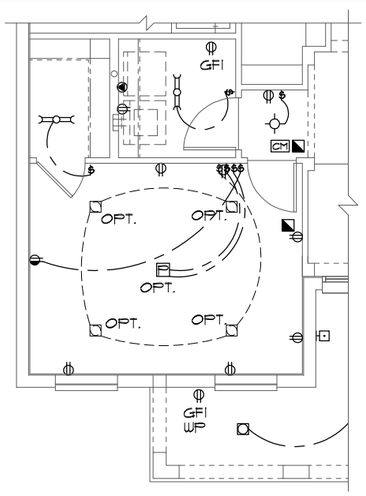
There are two types of concrete-encased electrodes: (1) steel reinforcing bars or rods which are not less than ½ inch in diameter and at least 20 ft. long, encased in 2 inches of concrete; (2) 20 ft. of bare copper conductor not smaller than No. 4 AWG encased in 2 inches of concrete.

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.

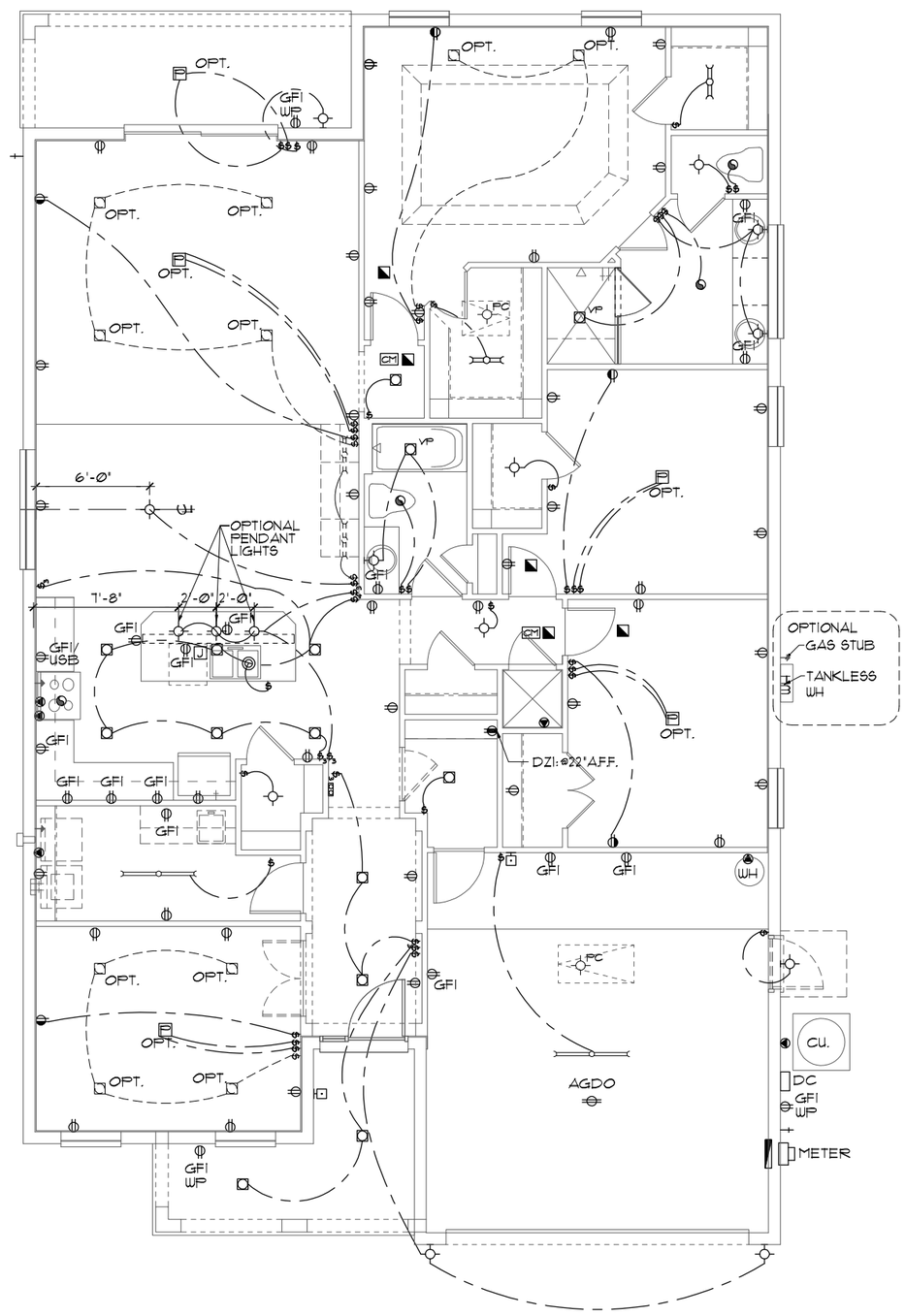
ELECTRICAL LEGEND

	SINGLE POLE SWITCH		OUTLET, TV/CABLE
	THREE WAY SWITCH		OUTLET, PHONE
	OUTLET 110-115		INTERCOM
	OUT. 110-115, SPLIT WIRED		CHIMES
	OUT. 110-115, W/ USB		SMOKE DETECTOR
	OUT. 110-115, CLG. MOUNT.	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.		CEILING FAN, PREWIRE
FC	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



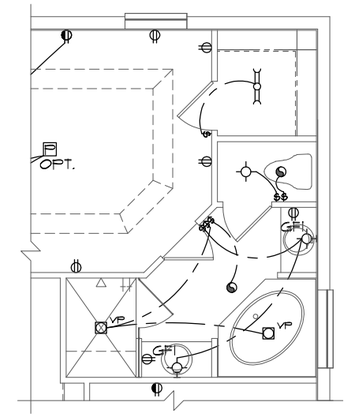
BEDROOM 4 OPT.

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



ELECTRICAL PLAN

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



M. BA. OPTION

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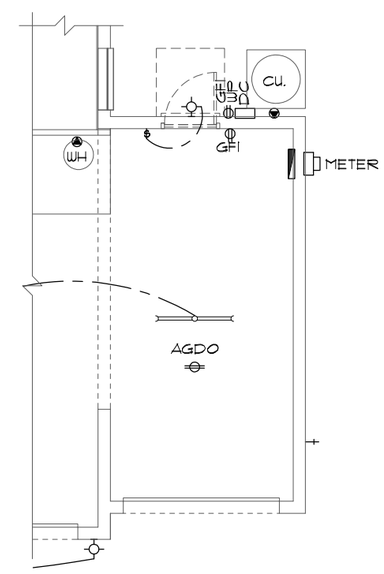

3-CAR GAR. OPT.

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

NOTE: SEE FINAL COLOR SHEET FOR TV, FANS & PHONE LOCATIONS

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FLORIDA SERIES

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05-16-19	JF

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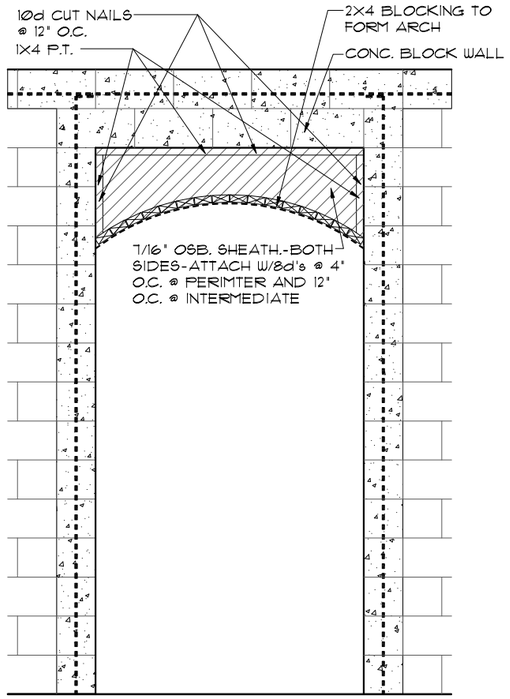
Park Square HOMES

ELECTRICAL PLAN

1966
MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	07
OF	00 SHEETS



4 / 8A DETAIL

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

NOTES

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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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8. OFF RIDGE VENTS MAXIMUN OPENING SIZES :
   - LOMANCO : (2) 9 1/" DIA. CIRCLES
   - MILLENIUM METAL : 2 1/2" X 46" HOLE
9. ROOF UNDERLAYMENT TO BE USED IS 2 LAYERS OF 30 LBS. SYNTHETIC FELT OR ANY OTHER METHOD LISTED PER FBC R905.1.1.1

ATTIC VENTILATION CALCULATIONS

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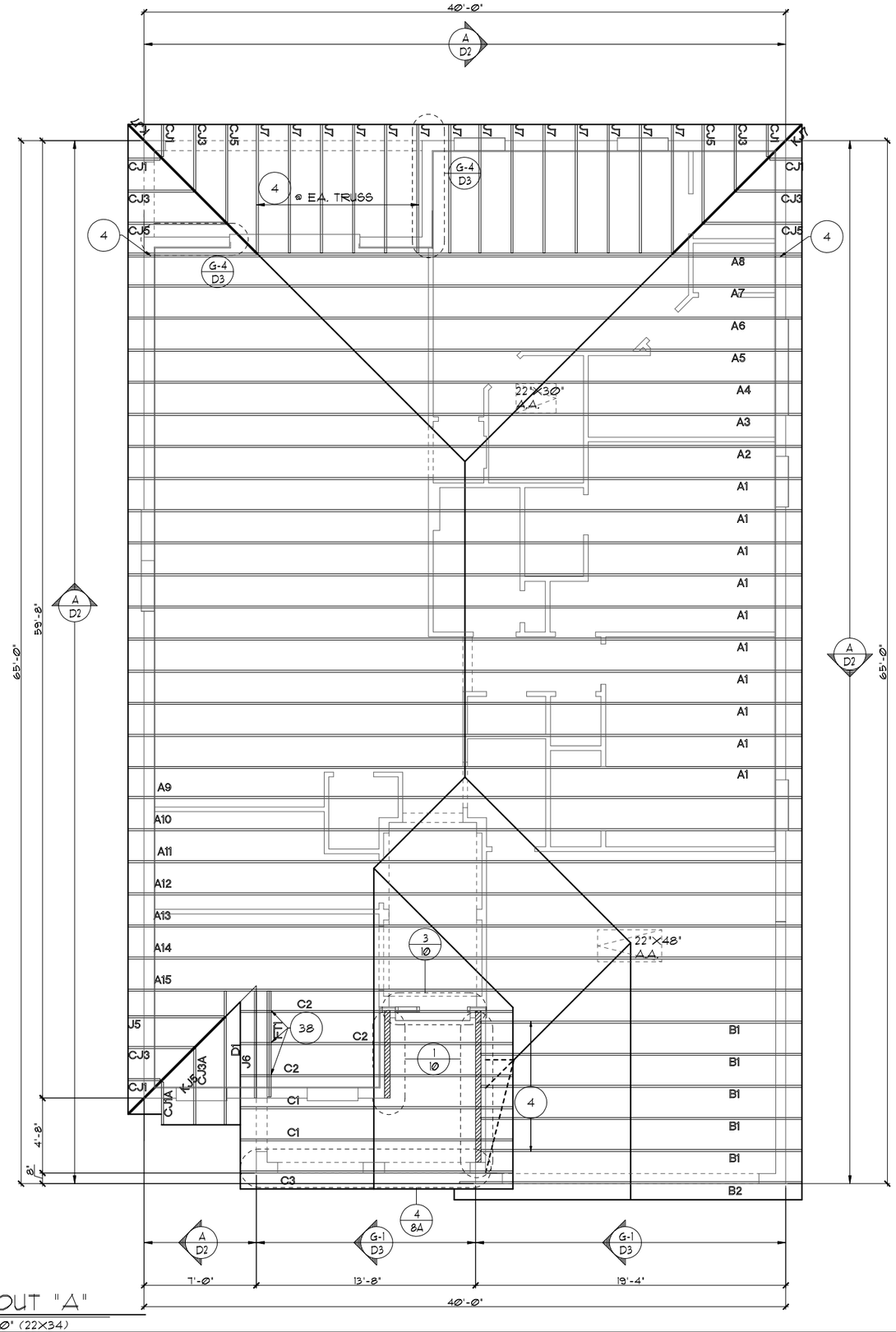
TOTAL VENTED SPACE: 2,593 S.F. / 300 = 8.64 S.F. NET FREE VENT. REQUIRED

UPPER PORTION VENTILATION TOTAL:------- 4.68 S.F.
PROVIDED W/OFF RIDGE VENTS: 6 VENTS @ .78 S.F. /VENT.
(VENT TYPE: LOMANCO MODEL 770-D OR MILLENNIUM METAL)
LOWER PORTION VENTILATION TOTAL:------- 4.32 S.F.
PROVIDED W/ VENTILATED SOFFITS @ EAVE:--
(50 L.F. @ .087 S.F. VENTING PER L.F.)

UPPER PORTION PERCENTAGE: 50%
LOWER PORTION PERCENTAGE: 50%



TRUSS LAYOUT "A"

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

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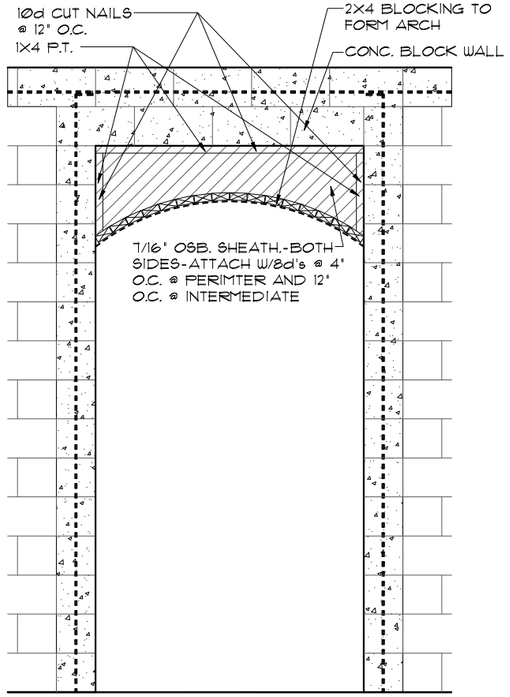
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08A
OF	00 SHEETS



4 / 8A DETAIL

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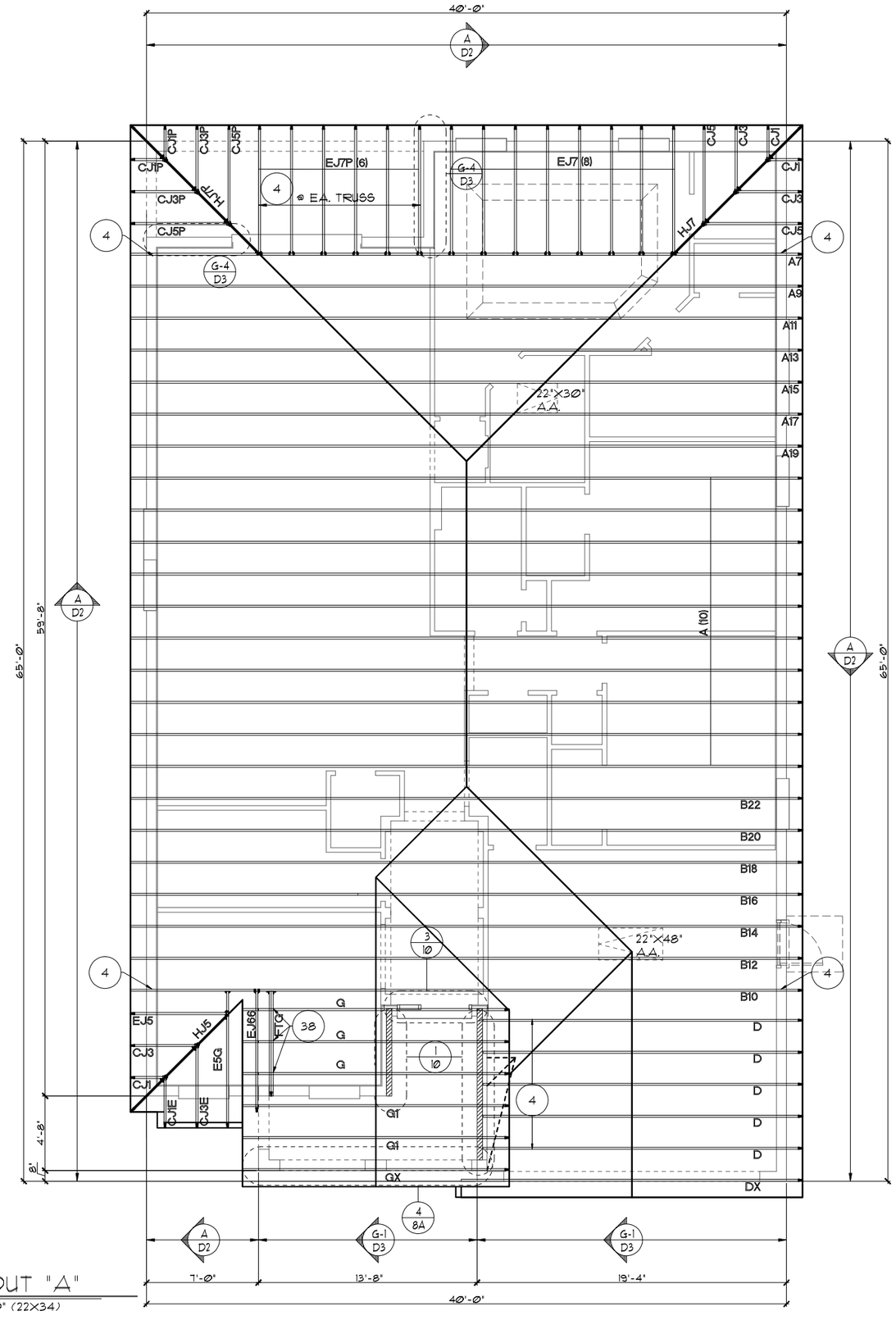
(**50 L.F.** @ **.087 S.F.** VENTING PER L.F.)

UPPER PORTION PERCENTAGE: **50%**
LOWER PORTION PERCENTAGE: **50%**



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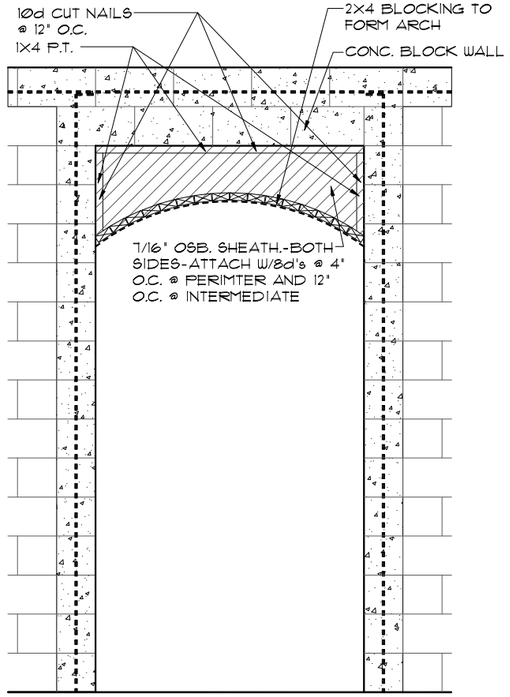
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08A
OF	00 SHEETS



4 / 8A DETAIL

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(50 L.F. @ .087 S.F. VENTING PER L.F.)

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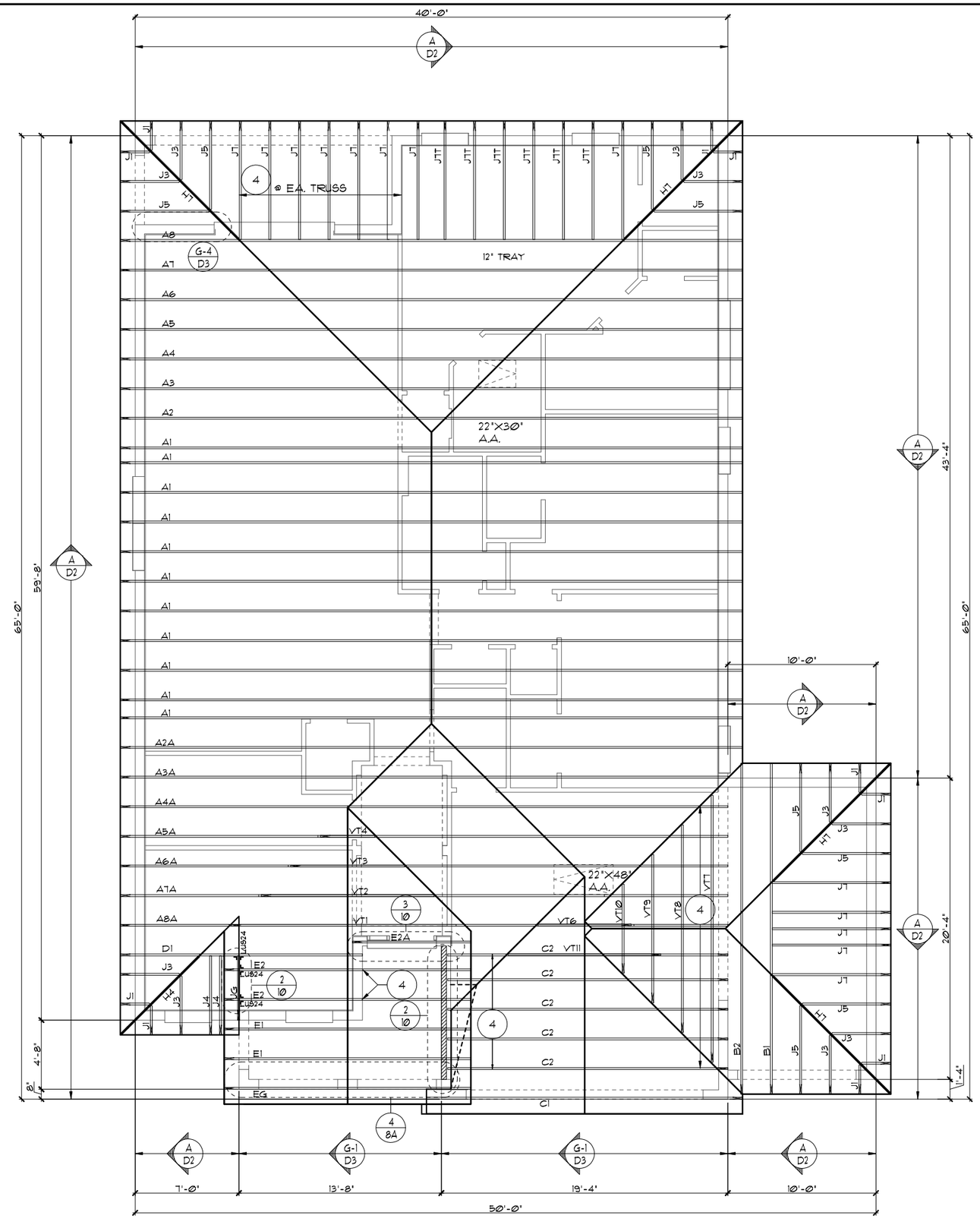

TRUSS LAYOUT "A"

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3-CAR GARAGE OPTION

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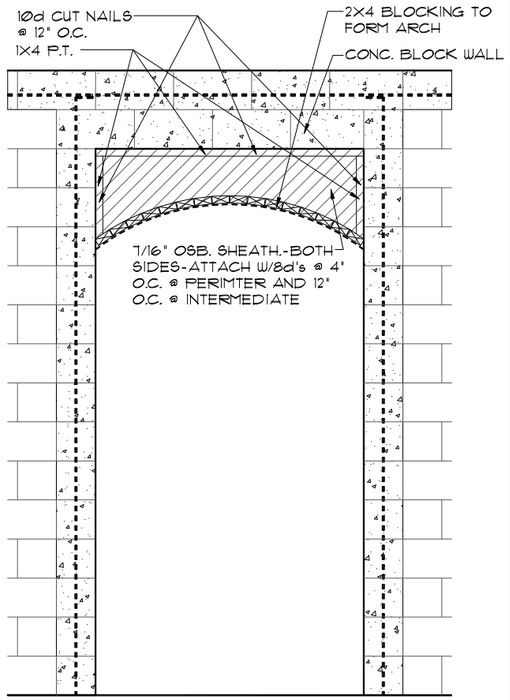
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08A.3
OF	00 SHEETS



4 / 8A DETAIL

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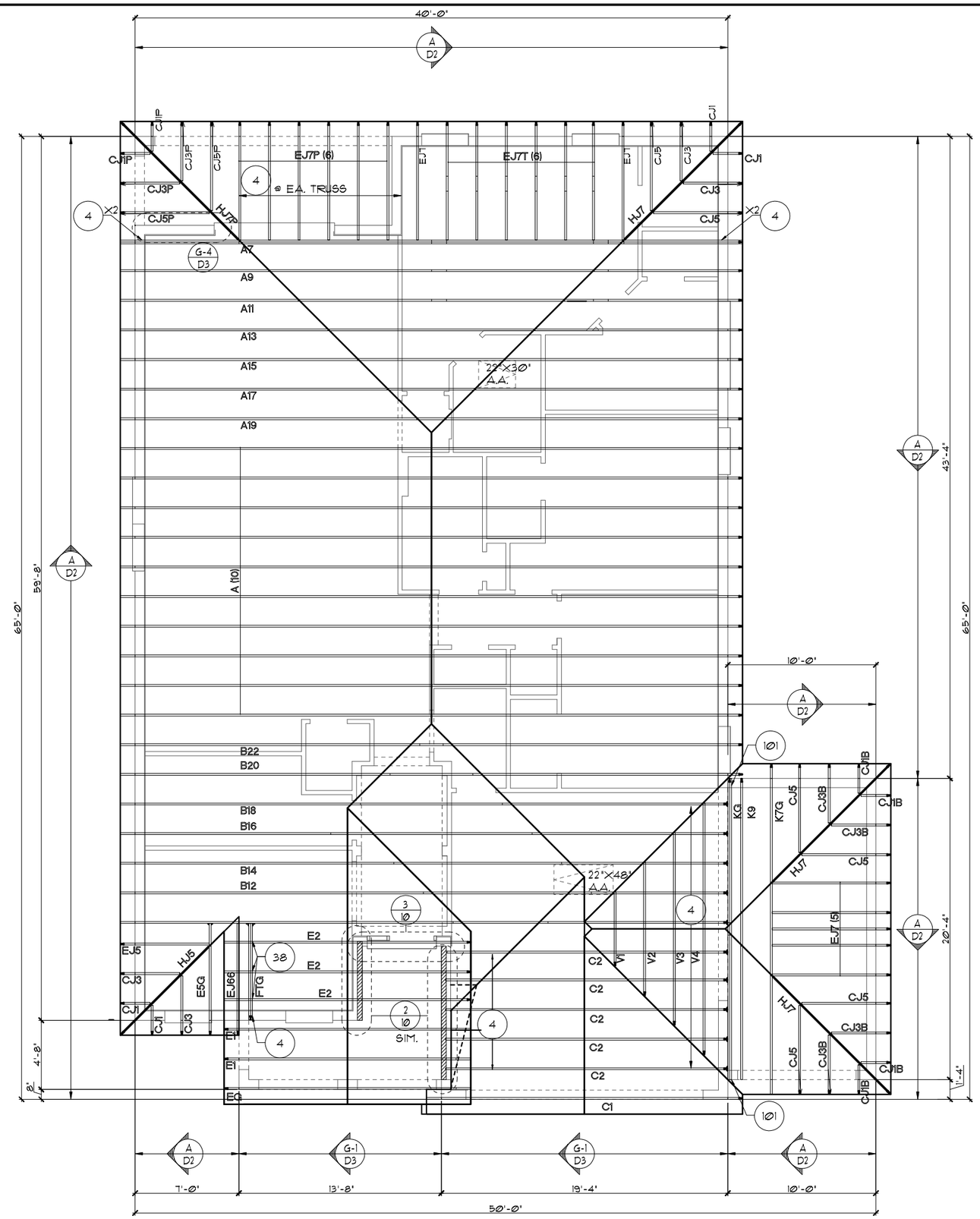

TRUSS LAYOUT "A"

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

3-CAR GARAGE OPTION

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Engineering By:
TEG, INC.
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Phone: (407) 529 - 3000

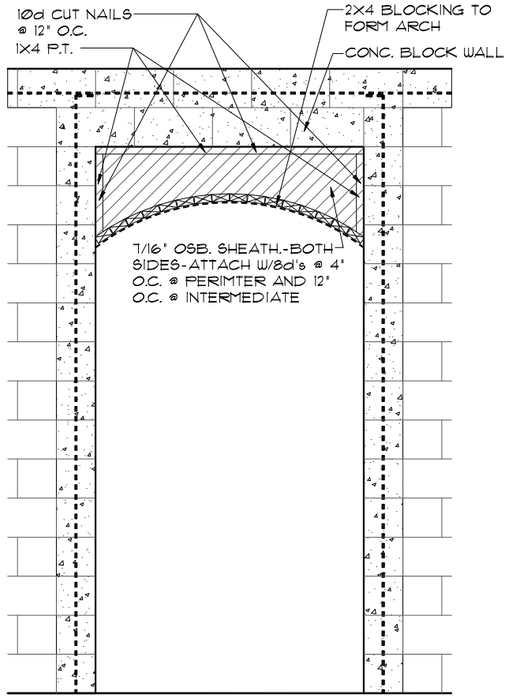
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE 04-05-2017
SCALE AS NOTED
DRAWN RDC
JOB N/A
SHEET 08A.3
OF 00 SHEETS



4 / 8B DETAIL

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

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 1/300 OF VENTED SPACE:

TOTAL VENTED SPACE: 2,593 S.F. / 300 = 8.64 S.F. NET FREE VENT. REQUIRED

UPPER PORTION VENTILATION TOTAL:------- 4.68 S.F.
PROVIDED W/OFF RIDGE VENTS: 6 VENTS @ .78 S.F. /VENT.
(VENT TYPE: LOMANCO MODEL 770-D OR MILLENNIUM METAL)
LOWER PORTION VENTILATION TOTAL:------- 4.32 S.F.
PROVIDED W/ VENTILATED SOFFITS @ EAVE:--
(50 L.F. @ .087 S.F. VENTING PER L.F.)

UPPER PORTION PERCENTAGE: 50%
LOWER PORTION PERCENTAGE: 50%

NOTES

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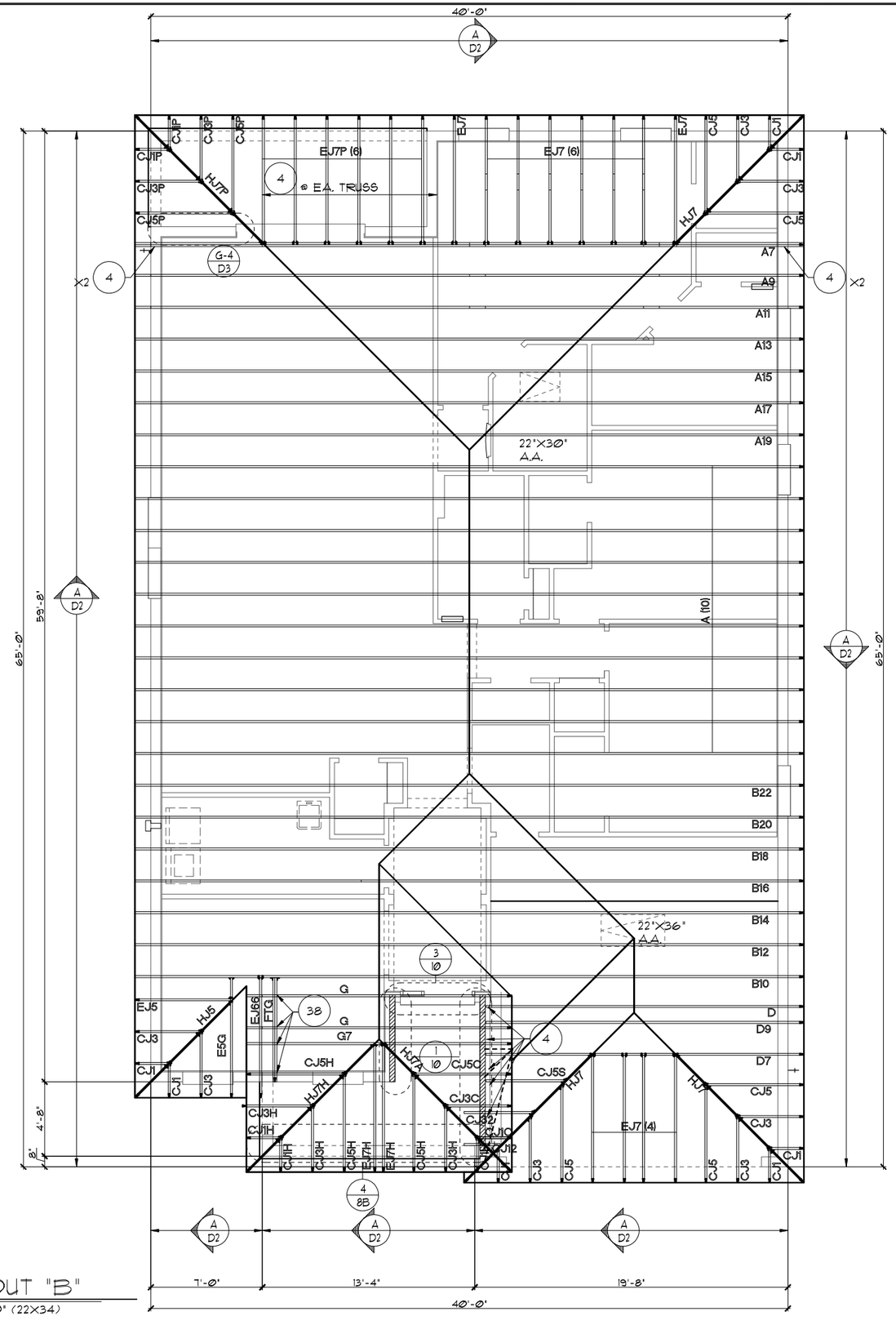

TRUSS LAYOUT "B"

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 150 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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REVISIONS	BY
05-16-19	JF

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Park Square HOMES

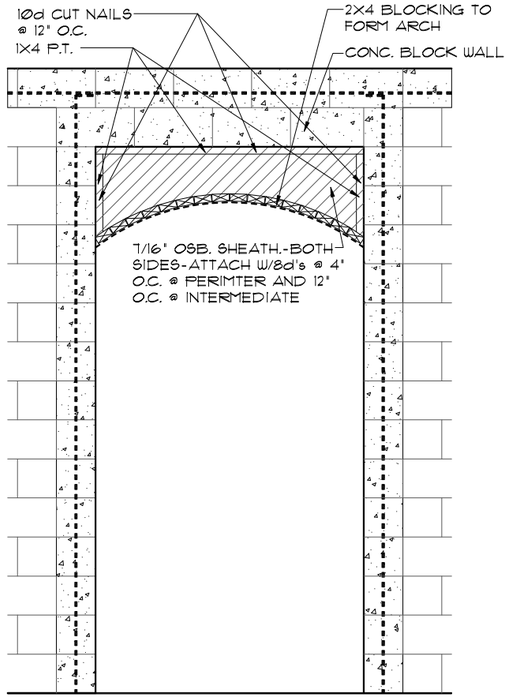
FLORIDA SERIES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08B
OF	00 SHEETS



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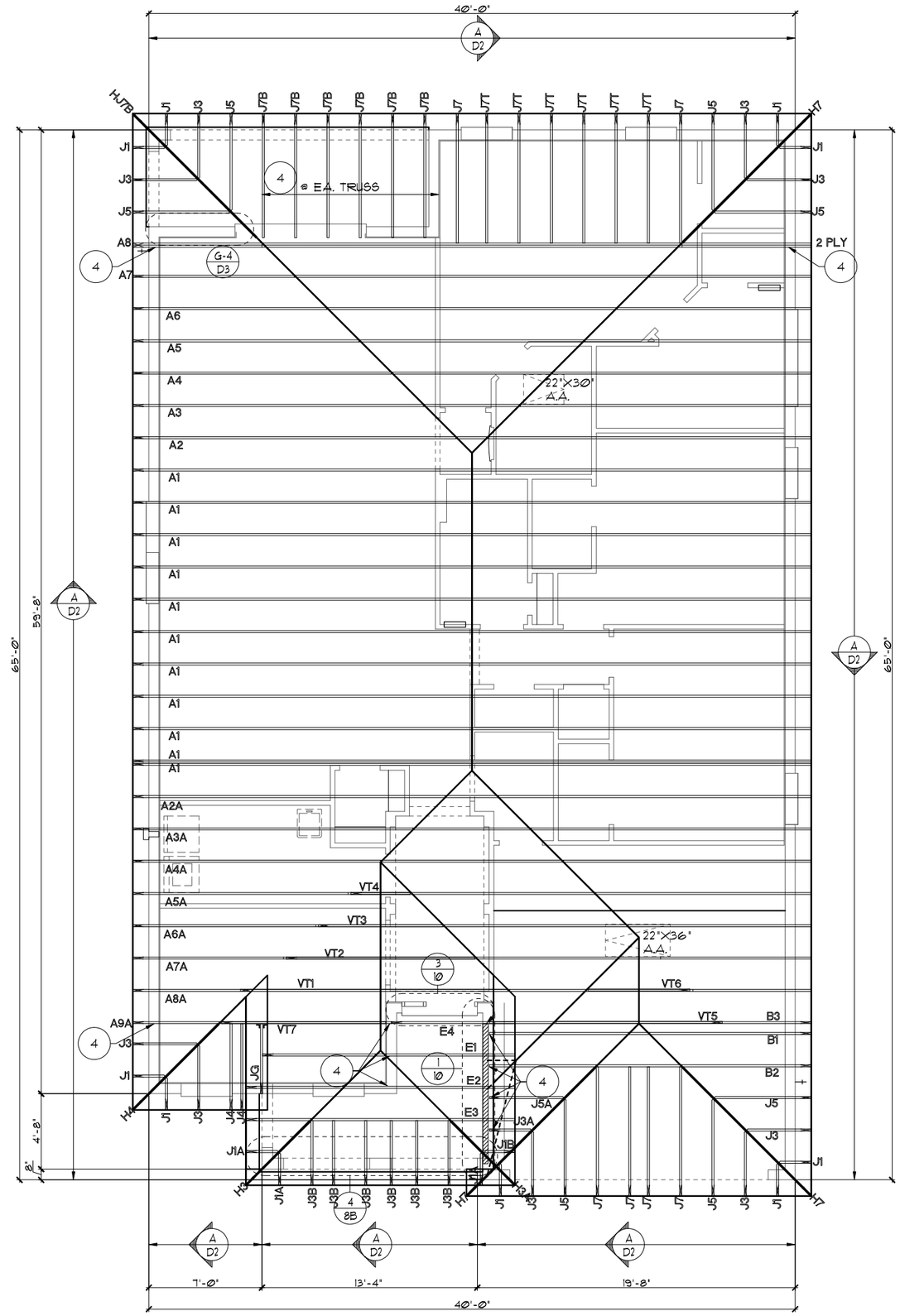

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Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
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SHEET	08B
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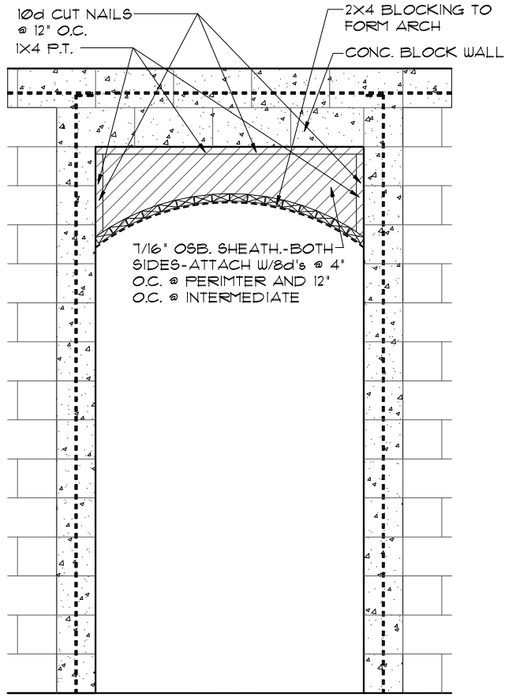

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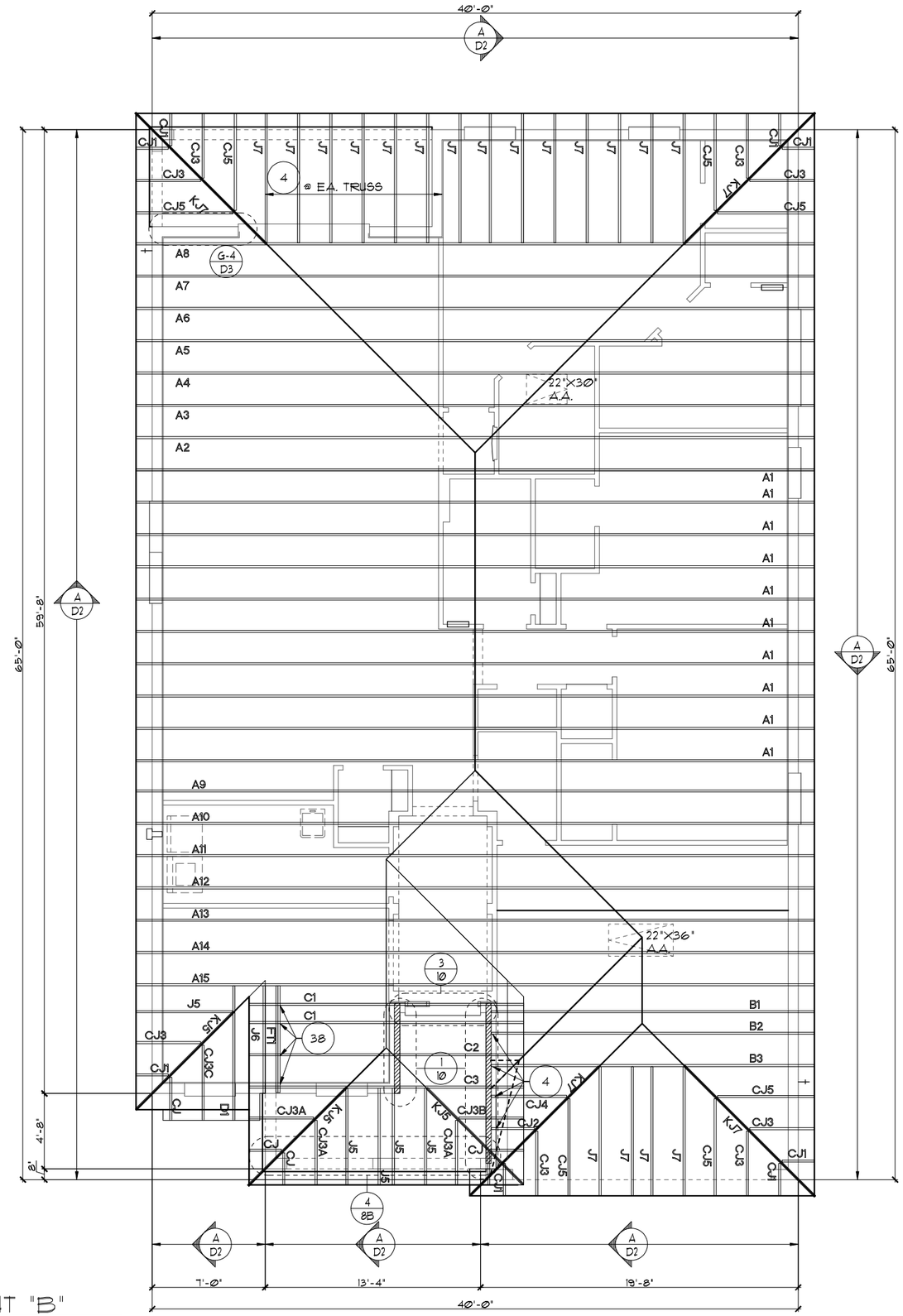

TRUSS LAYOUT "B"

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05-16-19	JF

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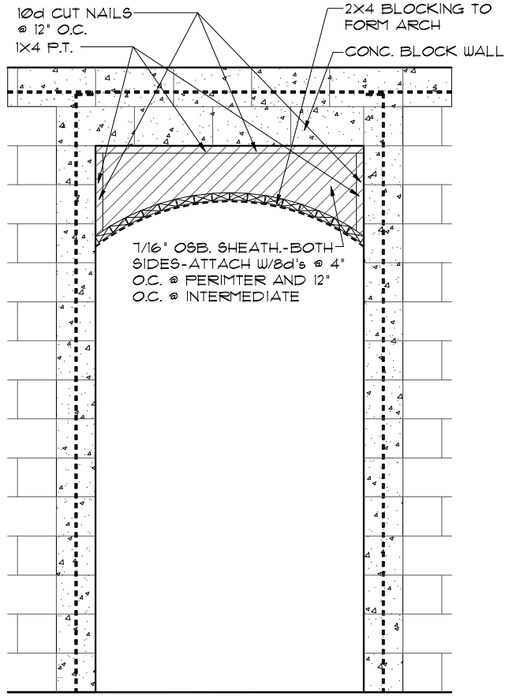
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE 04-05-2017
SCALE AS NOTED
DRAWN RDC
JOB N/A
SHEET 08B
OF 00 SHEETS



4 / 8B DETAIL

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ATTIC VENTILATION CALCULATIONS

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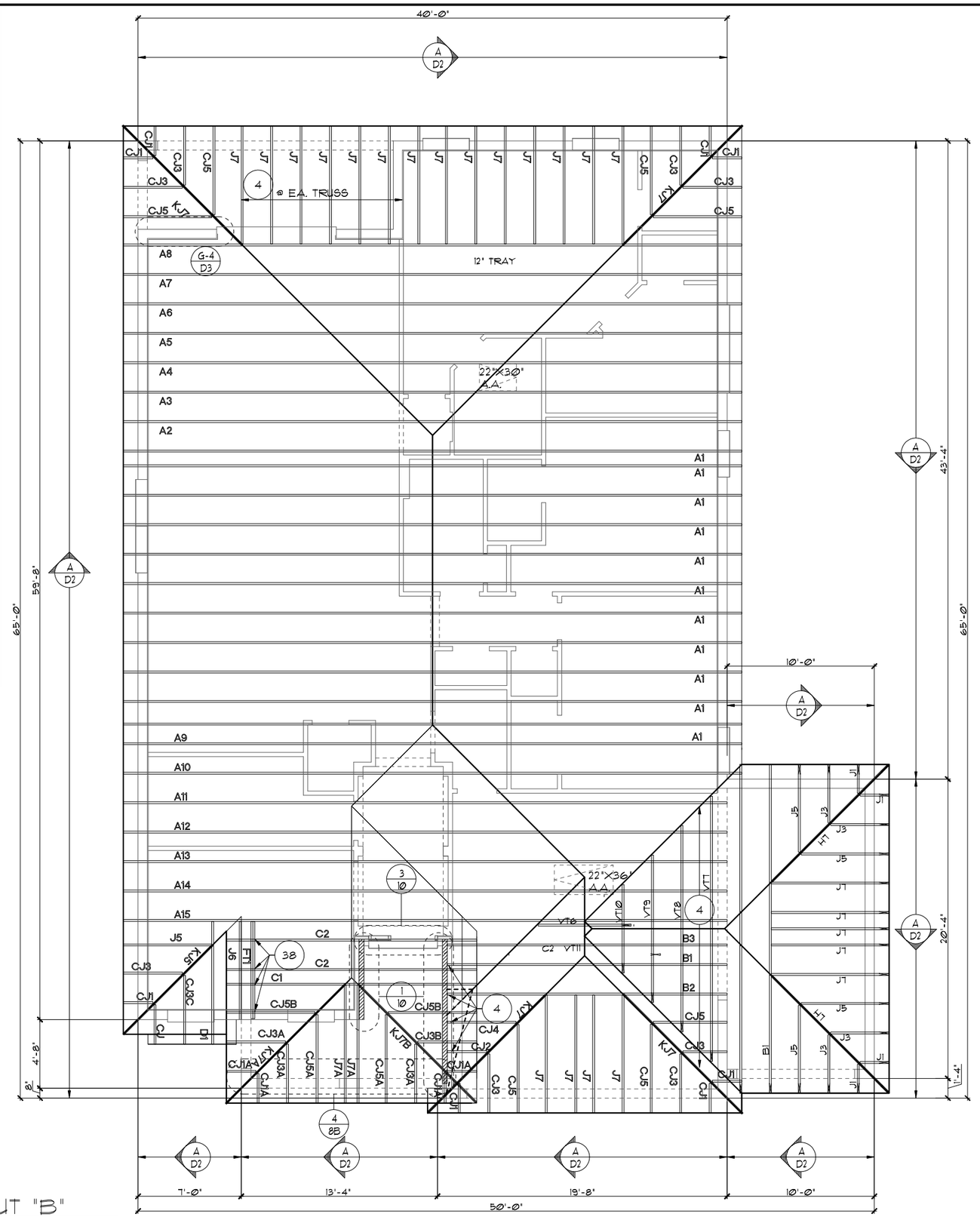

TRUSS LAYOUT "B"

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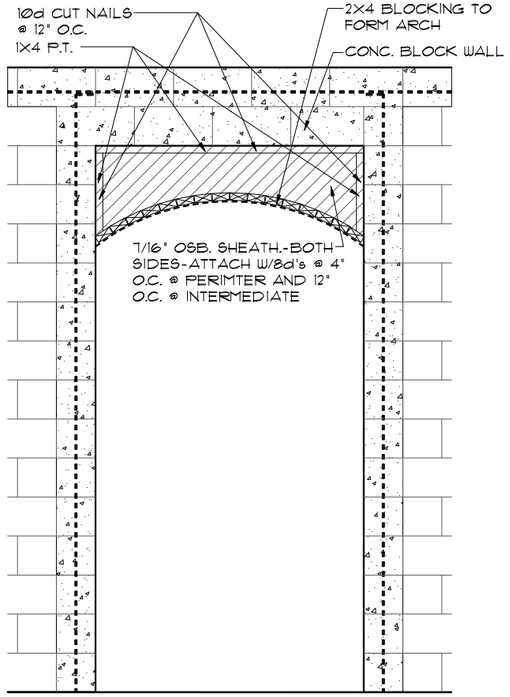
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08B.3
OF	00 SHEETS



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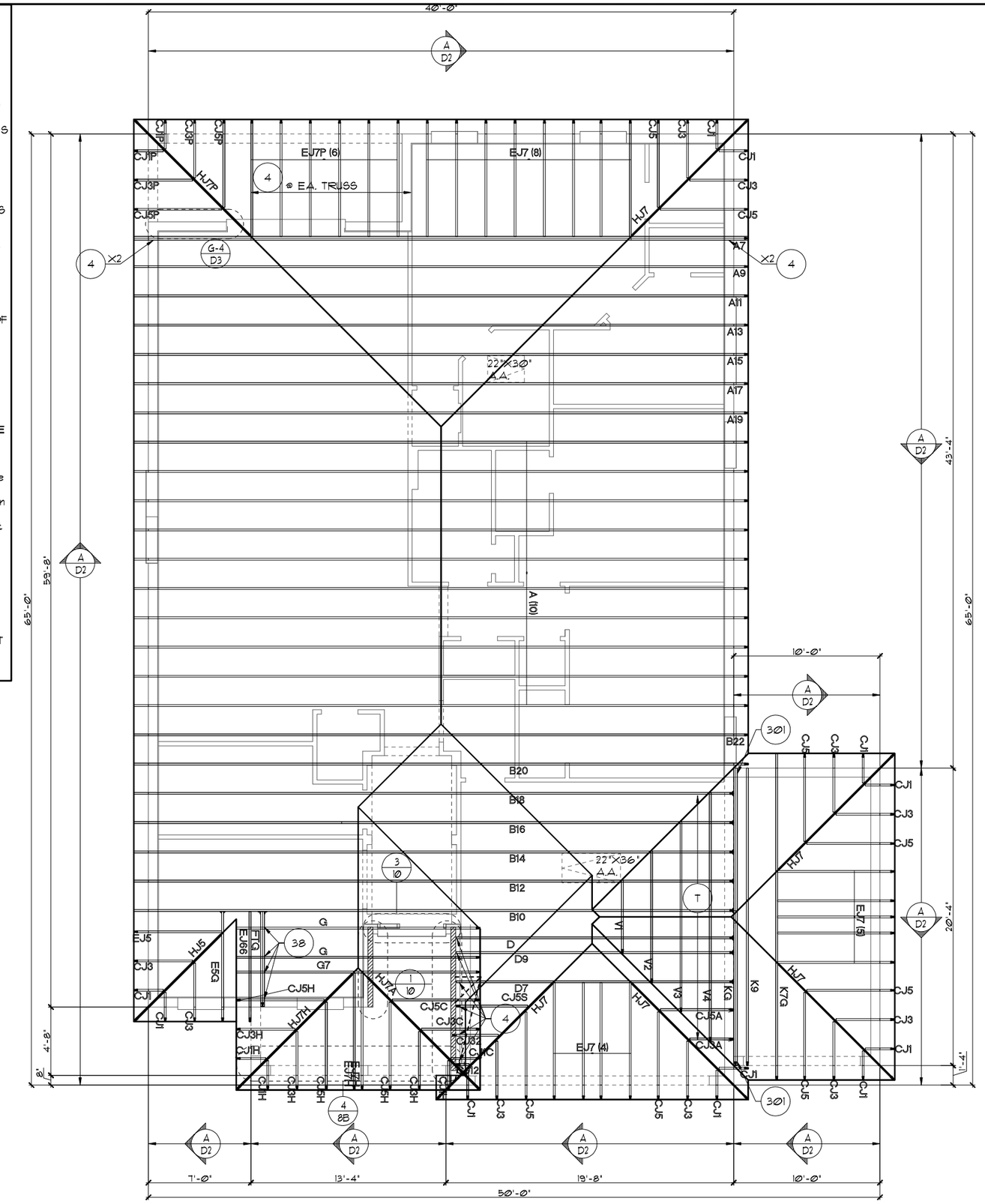

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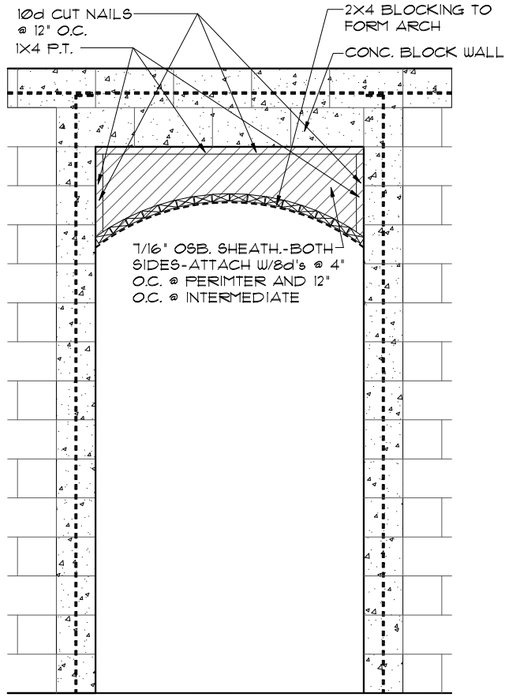

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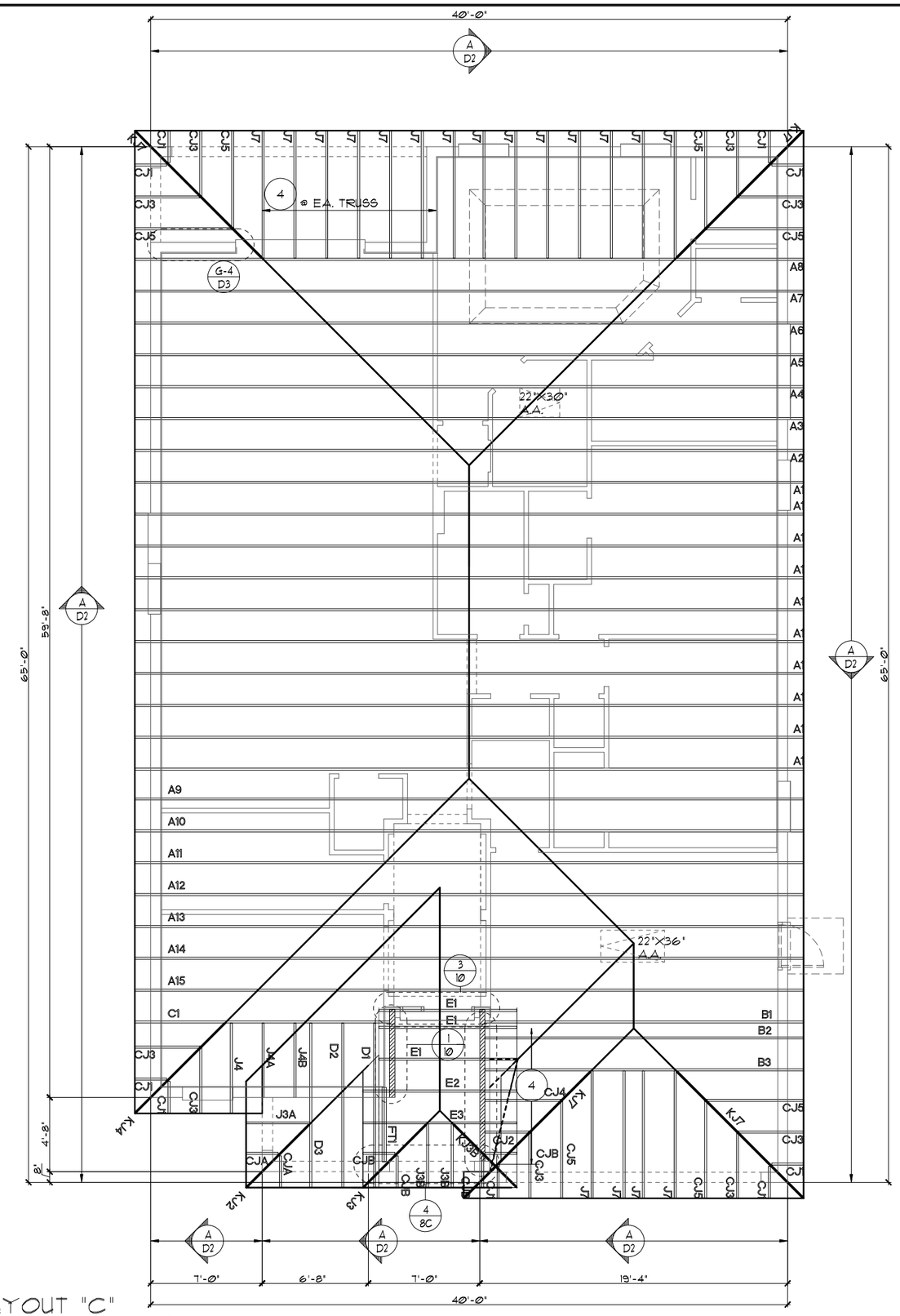
8. OFF RIDGE VENTS MAXIMUN OPENING SIZES :
   - LOMANCO : (2) 9 1/" DIA. CIRCLES
   - MILLENIUM METAL : 2 1/2" X 46" HOLE
9. ROOF UNDERLAYMENT TO BE USED IS 2 LAYERS OF 30 LBS. SYNTHETIC FELT OR ANY OTHER METHOD LISTED PER FBC R905.1.1.1



TRUSS LAYOUT "C"

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

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FLORIDA SERIES

REVISIONS	BY
05-16-19	JF

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

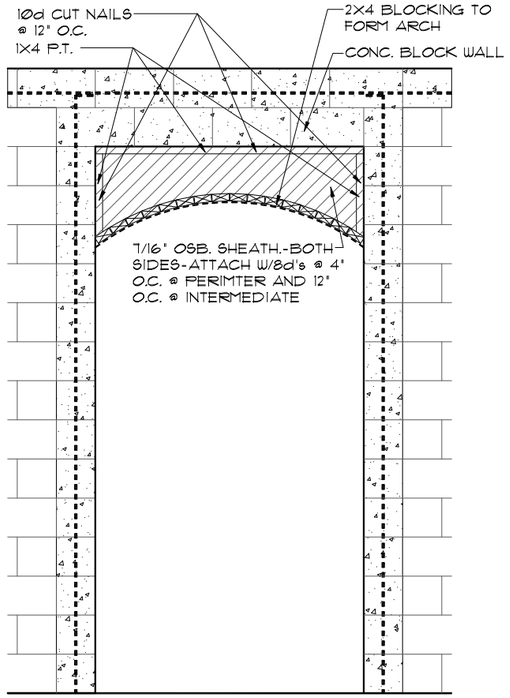
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08C
OF	00 SHEETS



4 / 8C DETAIL

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THE MINIMUM NET VENTILATION AREA SHALL BE 1/300 OF VENTED SPACE:

TOTAL VENTED SPACE: 2,593 S.F. / 300 = 8.64 S.F. NET FREE VENT. REQUIRED

UPPER PORTION VENTILATION TOTAL:-------- 4.68 S.F.
PROVIDED W/OFF RIDGE VENTS: 6 VENTS @ .78 S.F. /VENT.
(VENT TYPE: LOMANCO MODEL 710-D OR MILLENNIUM METAL)
LOWER PORTION VENTILATION TOTAL:-------- 4.32 S.F.
PROVIDED W/ VENTILATED SOFFITS @ EAVE:--
(50 L.F. @ .087 S.F. VENTING PER L.F.)

UPPER PORTION PERCENTAGE: 50%
LOWER PORTION PERCENTAGE: 50%

NOTES

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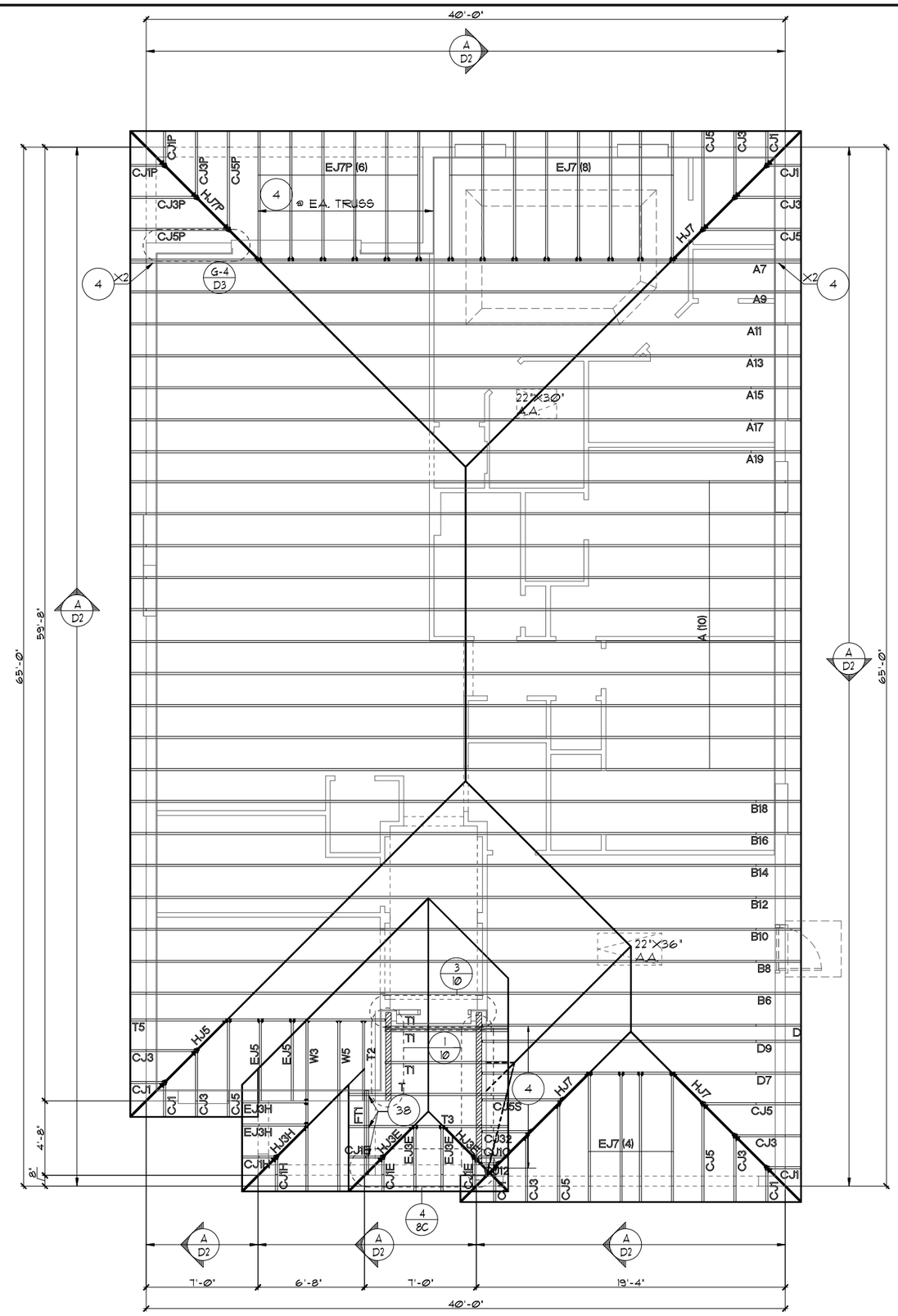

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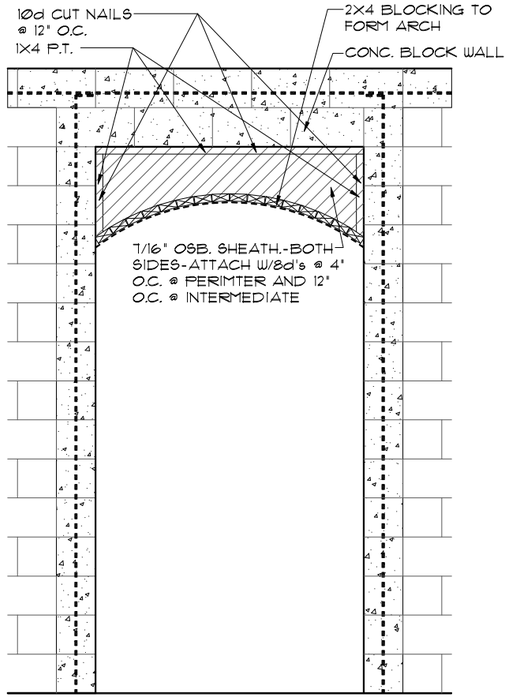
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE 04-05-2017
SCALE AS NOTED
DRAWN RDC
JOB N/A
SHEET 08C
OF 00 SHEETS



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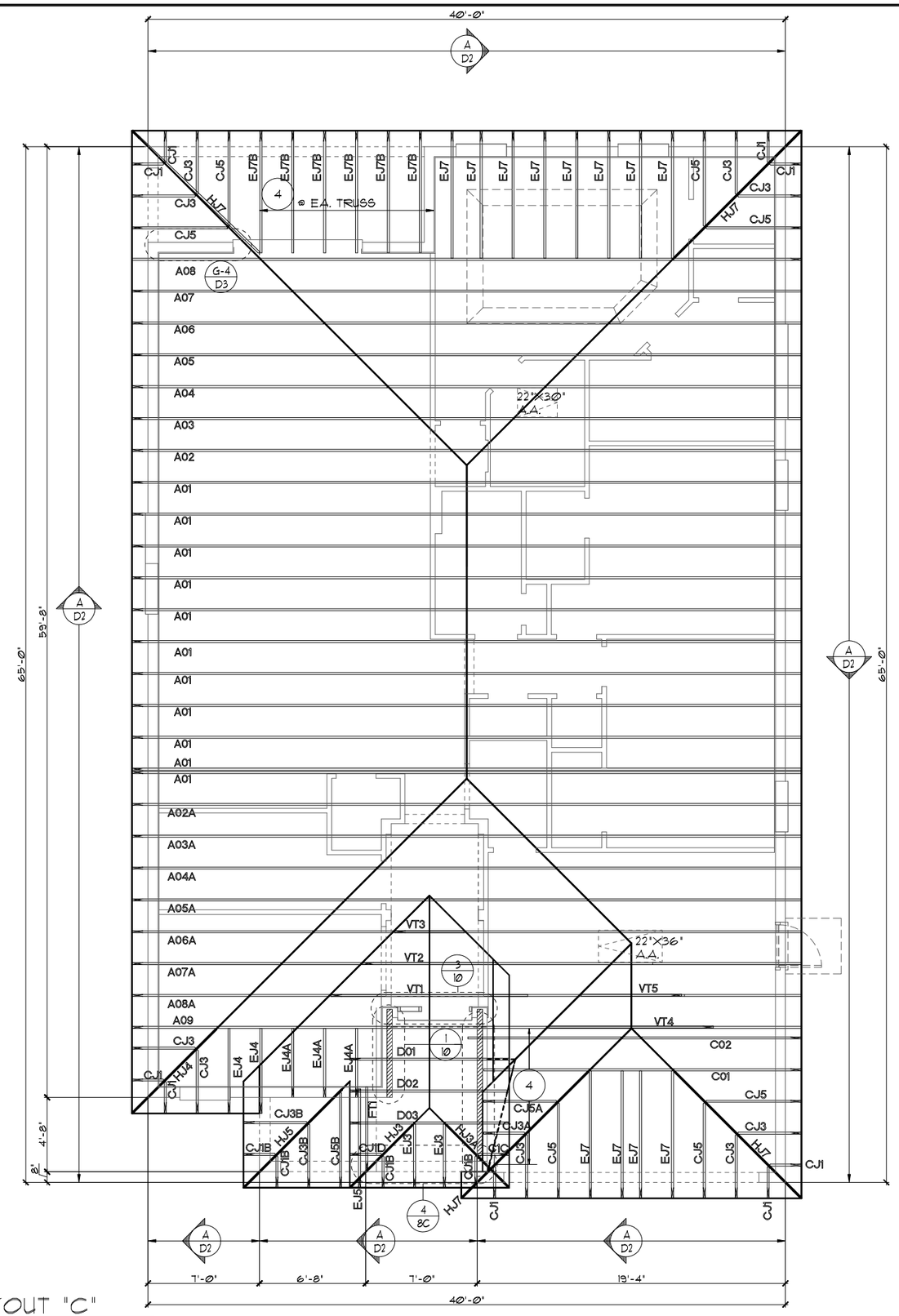

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05-16-19	JF

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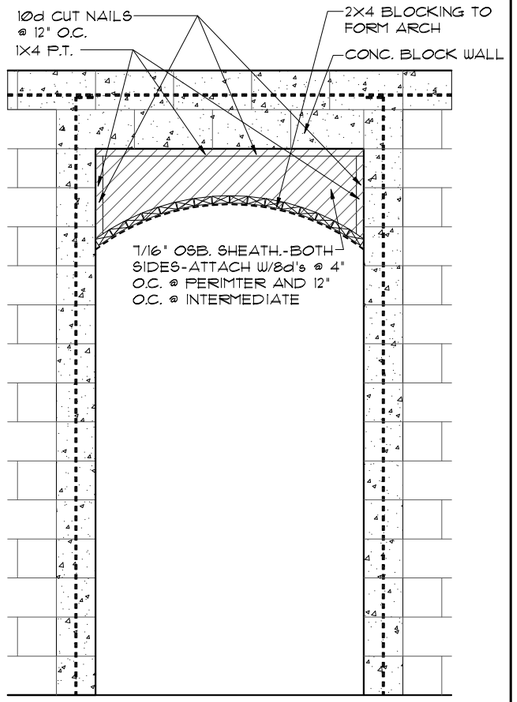
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08C
OF	00 SHEETS



4 / 8C DETAIL

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

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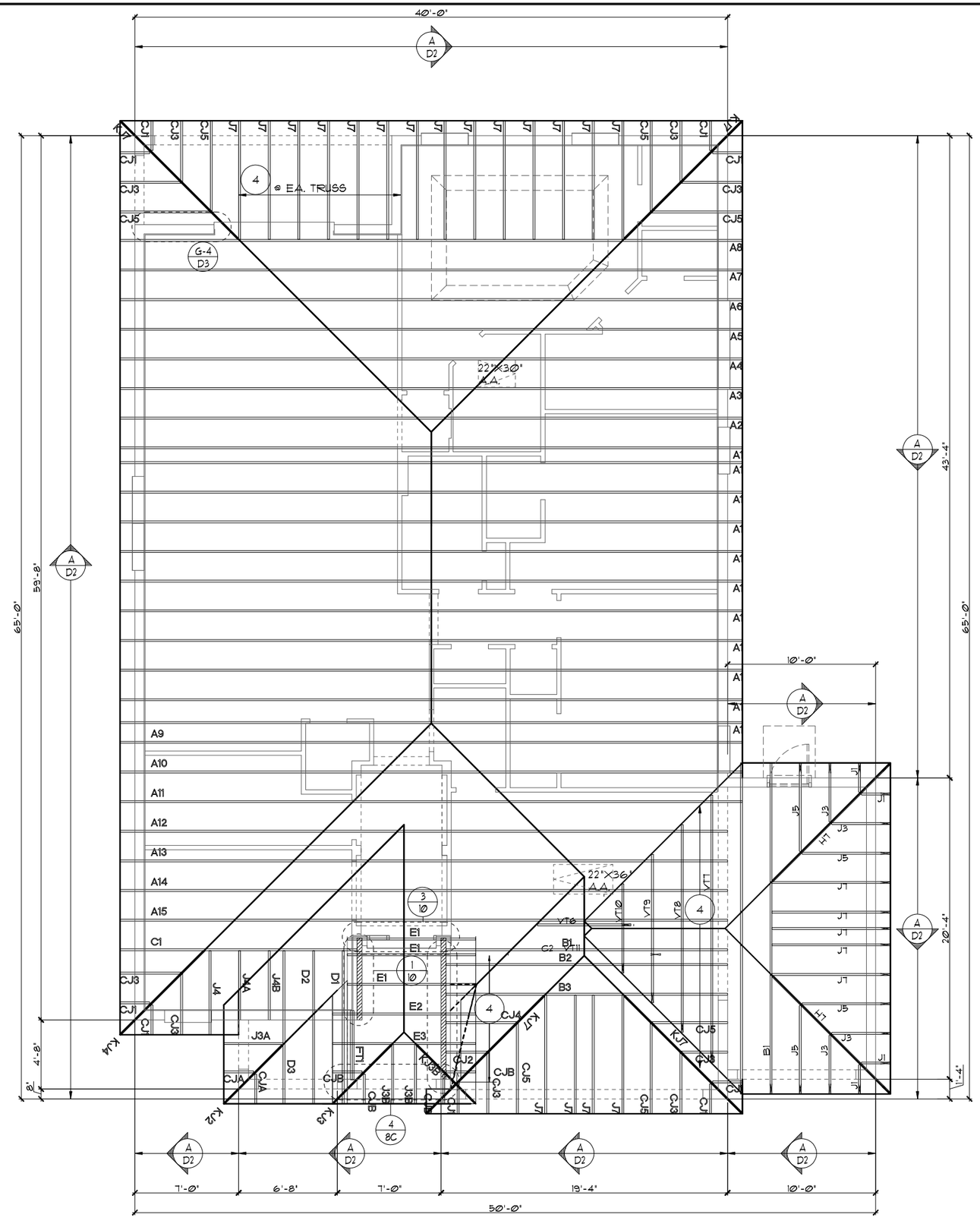

TRUSS LAYOUT "C"

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

3-CAR GARAGE OPTION

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Phone: (407) 529 - 3000

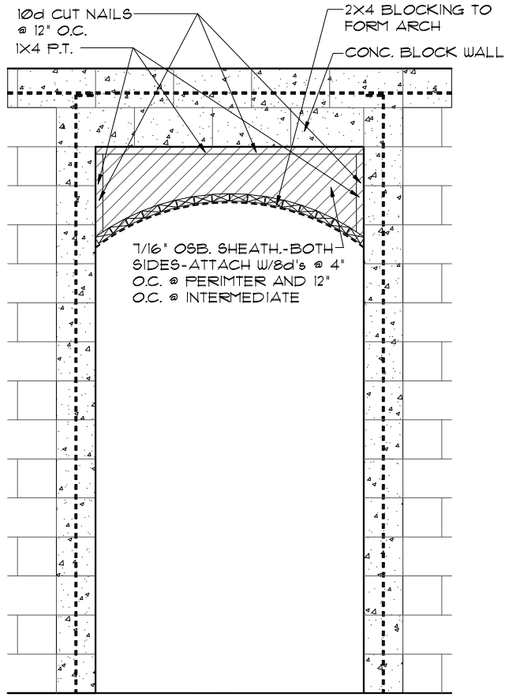
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08C.3
OF	00 SHEETS



4 / 8C DETAIL

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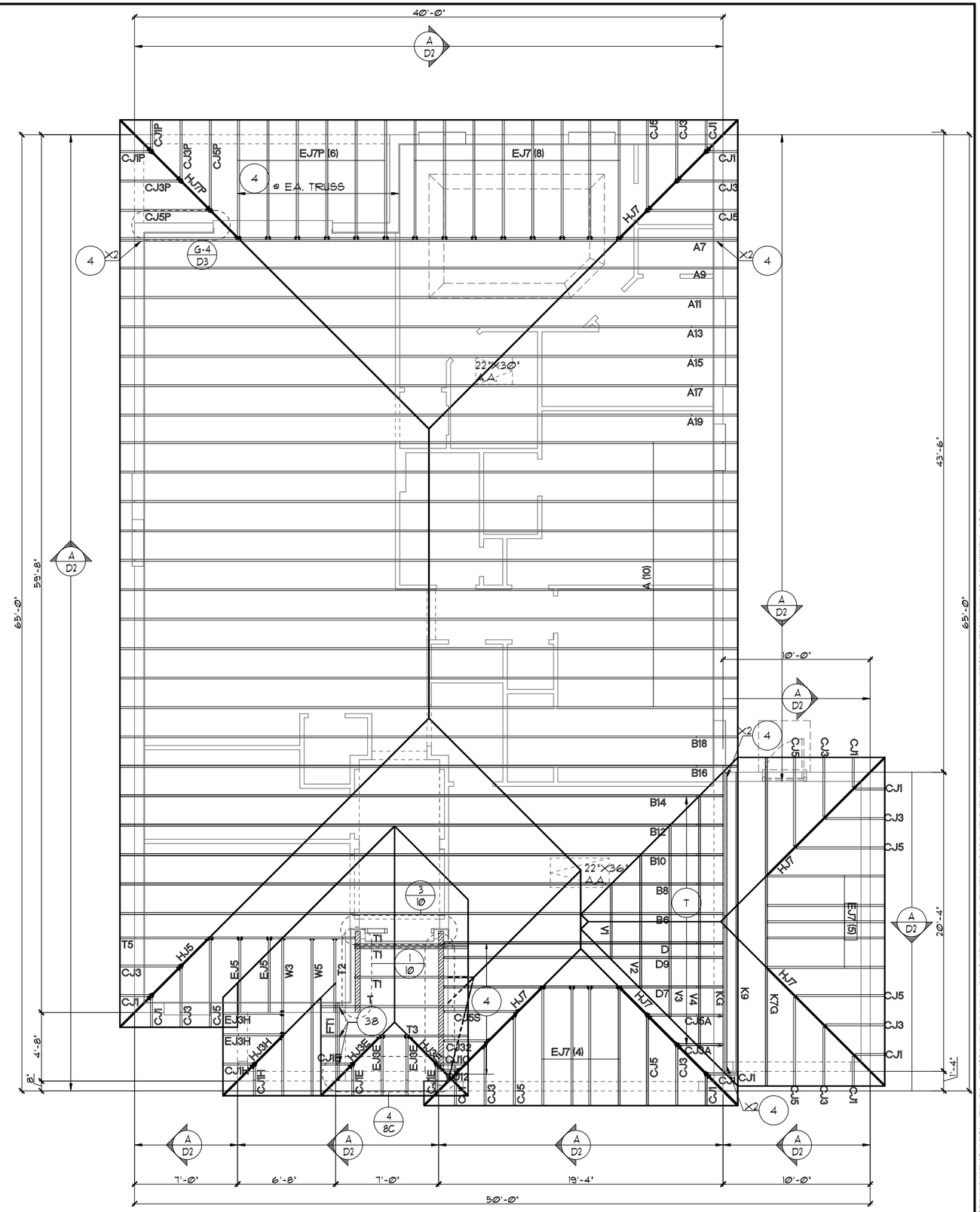

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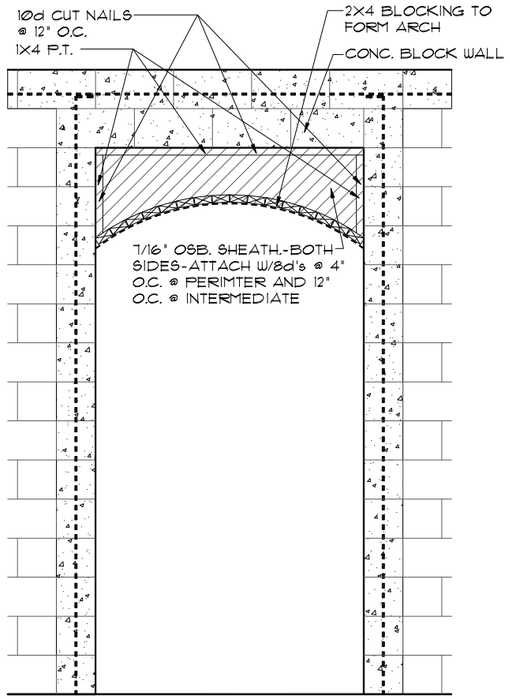
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08C
OF	00 SHEETS



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   - MILLENIUM METAL : 2 1/2" X 46" HOLE
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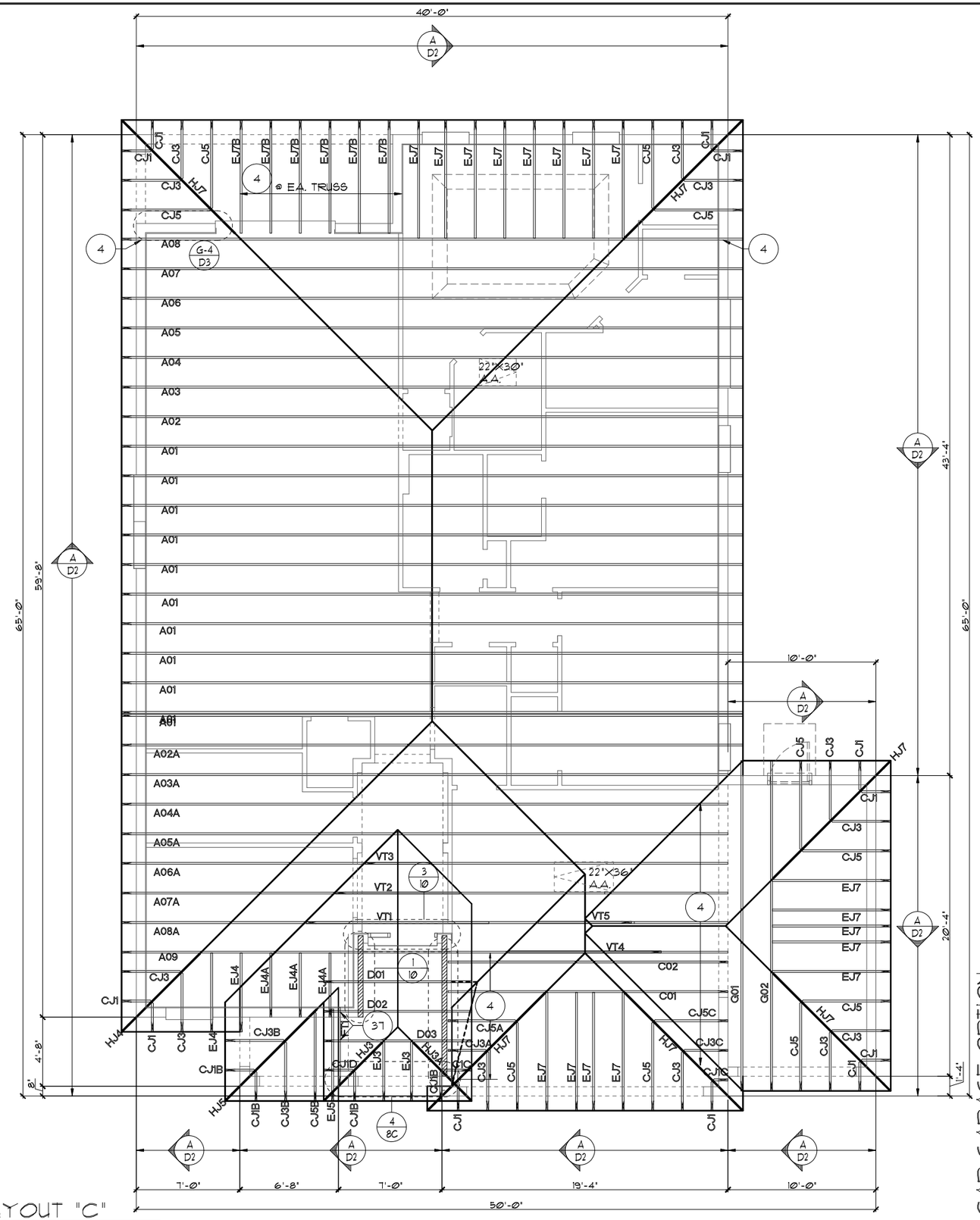

TRUSS LAYOUT "C"

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

3-CAR GARAGE OPTION

THIS STRUCTURE IS DESIGNED TO WITHSTAND 150 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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FLORIDA SERIES

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REVISIONS	BY
05-16-19	JF

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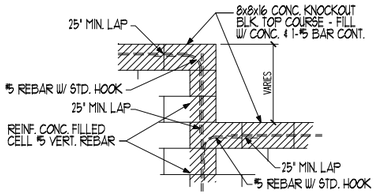
Park Square HOMES

TRUSS LAYOUT

1966

MARGATE II

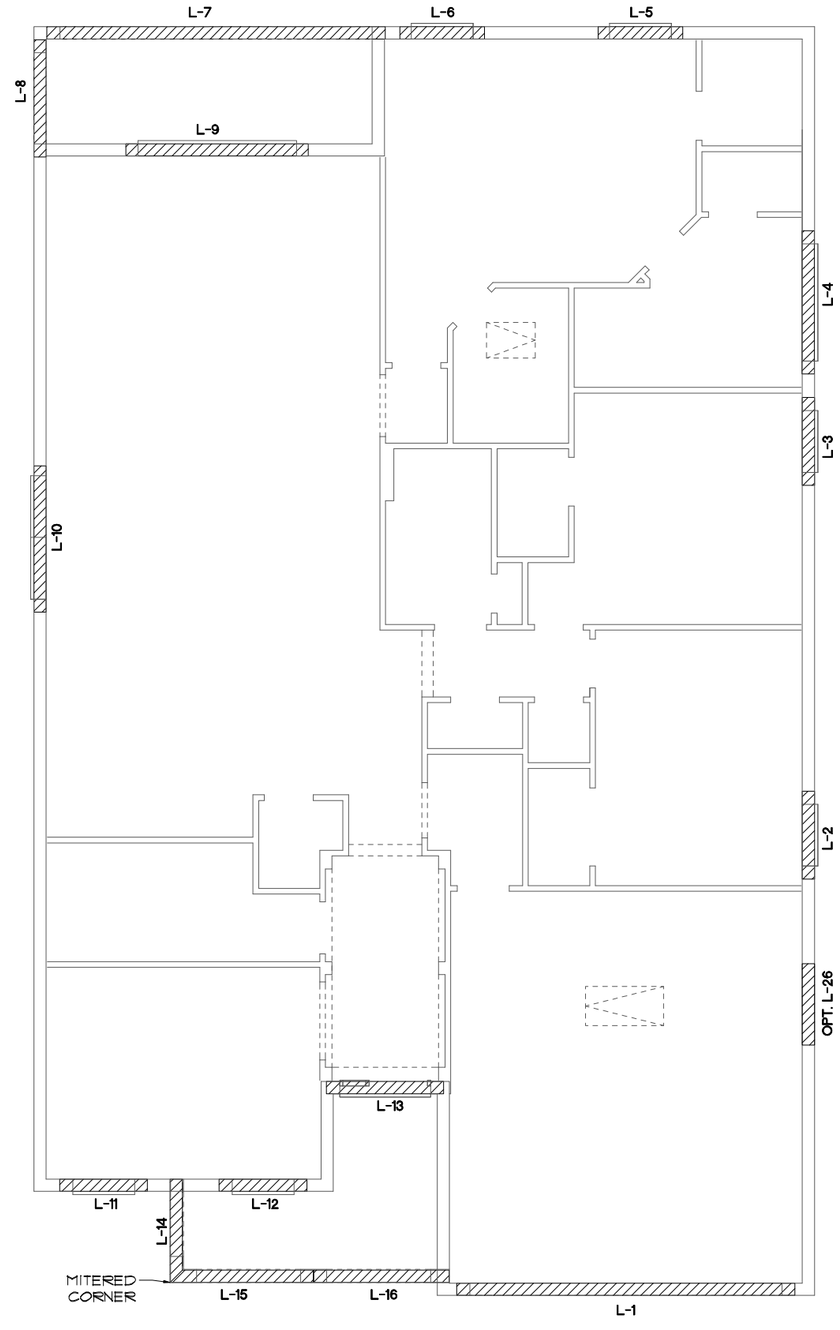
DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	08C.3
OF	00 SHEETS



BLOCK WALL HT. TRANSITION DETAIL

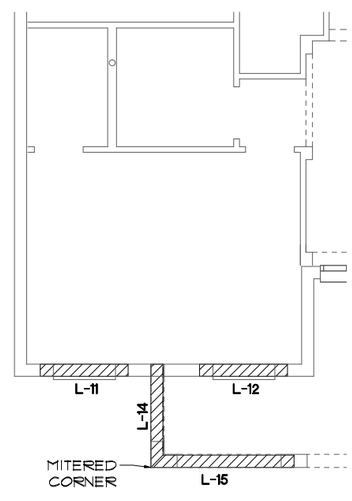
CAST CRETE
LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	COMMENTS
L 1	17'-4"	8F32-1B/IT	GARAGE DOOR
L 2	4'-6"	8F16-0B/IT	8H25
L 3	4'-6"	8F16-0B/IT	8H25
L 4	7'-6"	8F12-0B/IT	6/0X1/0 F.G.
L 5	4'-6"	8F16-0B/IT	8H25
L 6	4'-6"	8F16-0B/IT	8H25
L 7	17'-4"	8F16-0B/IT	REAR LANAI
L 8	5'-10"	8F16-0B/IT	REAR LANAI
L 9	9'-4"	8F16-0B/IT	8/0X8/0 S.G.D.
L 10	7'-6"	8F16-0B/IT	PR. 8H25
L 11	4'-6"	8F16-0B/IT	8H25
L 12	4'-6"	8F16-0B/IT	8H25
L 13	5'-10"	8RF12-0B/IT	FRONT DOOR
L 14	5'-4"	8F48-0B/IT	FRONT ENTRY
L 15	6'-6"	8F48-0B/IT	FRONT ENTRY
L 16	6'-6"	8F48-0B/IT	FRONT ENTRY
L 17			
L 18			
L 19			
L 20	5'-4"	8F16-0B/IT	4040 OPT MASTER BATH
L 21	9'-4"	8F32-1B/IT	GARAGE DOOR
L 22	16'-0"	8F16-1B/IT	GARAGE
L 23			
L 24			
L 25			
L 26	4'-6"	8RF16-0B/IT	OPT. GAR. SERVICE DOOR
L 27	4'-6"	8RF16-0B/IT	OPT. GAR. SERVICE DOOR
L 28			
L 29			
L 30			
L 31			
L 32			
L 33			
L 34			
L 35			
L 36			
L 37			
L 38			
L 39			



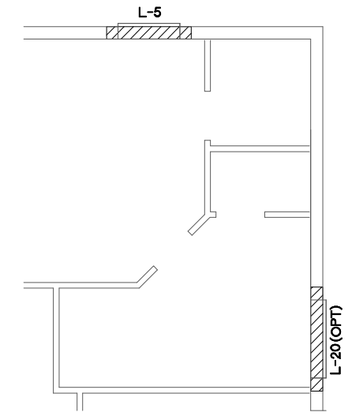
PRE CAST LINTEL LAYOUT "A"/"B"

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



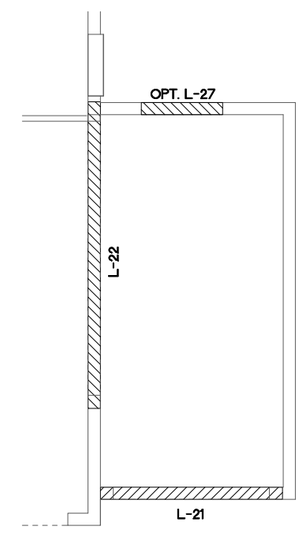
BEDROOM 4 OPT.

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



M. BA. OPTION

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



3-CAR GAR. OPT.

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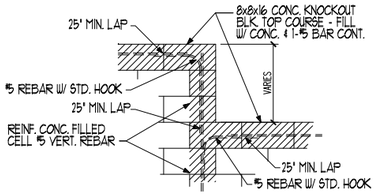
Park Square HOMES

PRE CAST LINTEL LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	09AB
OF	00 SHEETS



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LINTEL SCHEDULE

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L 10	7'-6"	8F16-0B/IT	PR. 8H25
L 11	4'-6"	8F16-0B/IT	8H25
L 12			
L 13	5'-10"	8RF12-0B/IT	FRONT DOOR
L 14	5'-4"	8F16-0B/IT	FRONT ENTRY
L 15	6'-6"	8F16-0B/IT	FRONT ENTRY
L 16	6'-6"	8F24-0B/IT	FRONT ENTRY
L 17			
L 18			
L 19			
L 20	5'-4"	8F16-0B/IT	4040 OPT MASTER BATH
L 21	9'-4"	8F32-1B/IT	GARAGE DOOR
L 22	16'-0"	8F16-1B/IT	GARAGE
L 23			
L 24			
L 25			
L 26	4'-6"	8RF16-0B/IT	OPT. GAR. SERVICE DOOR
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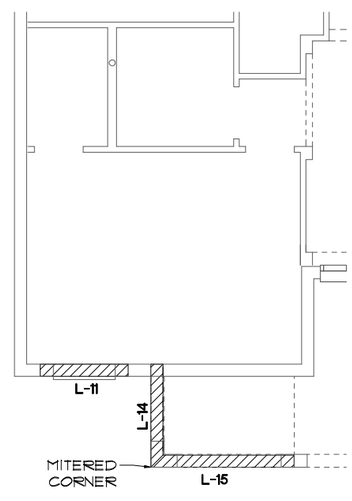
L 28			
L 29			
L 30			
L 31			
L 32			
L 33			
L 34			
L 35			
L 36			
L 37			
L 38			
L 39			



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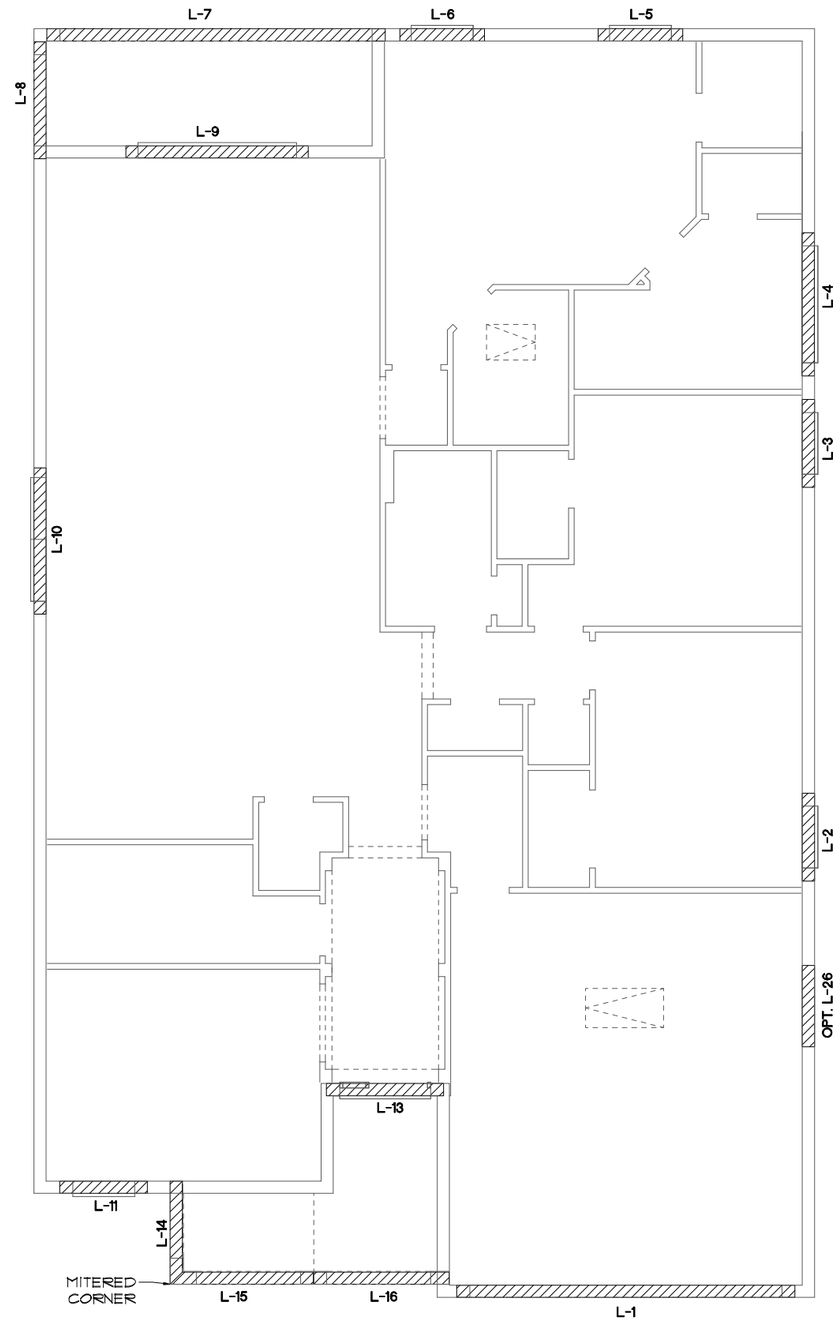
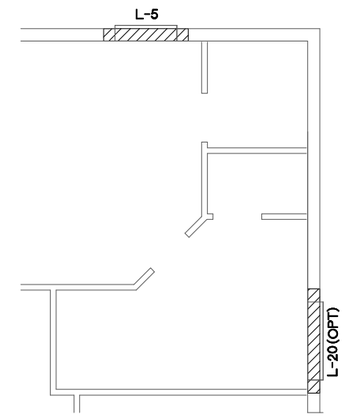


PRE CAST LINTEL LAYOUT "C"

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



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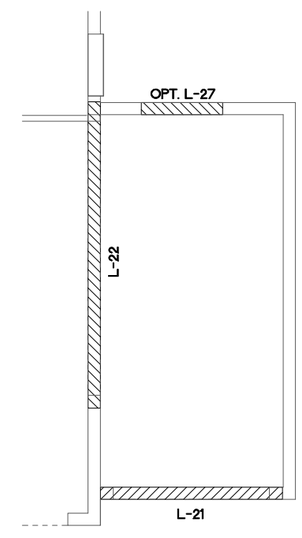

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Park Square HOMES

PRE CAST LINTEL LAYOUT

1966

MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	09C
OF	00 SHEETS

SAFE LOAD TABLES

FOR GRAVITY, UPLIFT & LATERAL LOADS

8" PRECAST & PRESTRESSED U-LINTELS

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	6091	7315	8639	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
		2170	4027	6039	7526	9004	10472	9668
5'-4" (64") PRECAST	1184	1223	1301	1809	2317	2826	3336	3846
		1663	2889	5057	6096	5400	6424	7450
5'-10" (70") PRECAST	972	1000	1059	1474	1889	2304	2721	3137
		1459	2464	4144	5458	4437	5280	6122
6'-6" (78") PRECAST	837	1255	2101	3263	2746	3358	3971	4585
		1255	2101	3356	5260	7134	8935	6890
7'-6" (90") PRECAST	767	1023	1675	2389	1934	2439	2886	3333
		1023	1675	2610	3839	5996	6613	5047
9'-4" (112") PRECAST	573	632	1049	1469	1210	1482	1754	2027
		768	1212	1818	2544	3469	4030	3127
10'-6" (126") PRECAST	456	482	802	1125	935	1122	1328	1535
		658	1025	1514	2081	2714	3130	2404
11'-4" (136") PRECAST	445	588	935	1365	1854	2355	1793	2075
		588	935	1365	1854	2441	3155	4044
12'-0" (144") PRECAST	414	545	864	1254	1683	2074	1570	1818
		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	2920
14'-0" (168") PRECAST	338	381	648	938	1180	1462	1087	1260
		495	760	1093	1335	1714	2133	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	1090	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	1230	1660	1970
24'-0" (288") PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
		130	240	470	720	1030	1350	1610

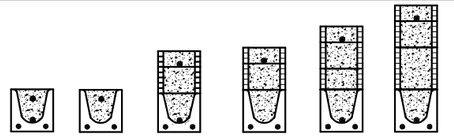
8" PRECAST W/ 2" RECESS DOOR U-LINTELS

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	1489	1591	3053	2982	3954	4929	5904	6880
		1827	3412	4982	6472	7947	9416	10878
4'-6" (54") PRECAST	1357	1449	2782	2714	3600	4487	5375	6264
		1702	3412	4982	6472	7947	9416	10878
5'-8" (68") PRECAST	785	832	1602	1550	2058	2566	3075	3585
		1153	2162	4074	6472	6516	5814	6839
5'-10" (70") PRECAST	735	779	1500	1449	1924	2400	2876	3352
		1093	2051	3811	6472	6516	5450	6411
6'-8" (80") PRECAST	822	907	1677	2933	4100	6730	8177	6767
		907	1677	2933	4100	6730	8177	6767
7'-6" (90") PRECAST	665	761	1377	2252	1958	2451	2944	3439
		764	1377	2329	3609	5492	6624	8132
9'-8" (116") PRECAST	371	420	834	1253	1671	1342	1614	1886
		535	928	1497	2179	2618	3595	2875

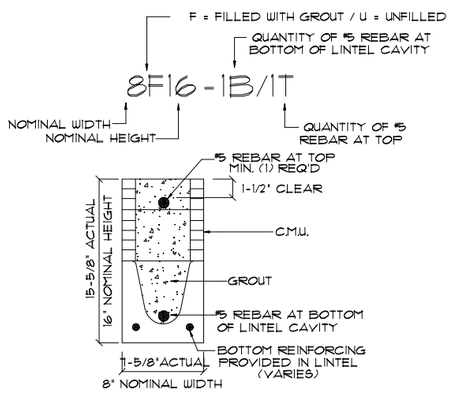
8" PRECAST & PRESTRESSED U-LINTELS

LENGTH \ TYPE	8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1T	LATERAL 8U8	LATERAL 8F8
	8F8-2T	8F12-2T	8F16-2T	8F20-2T	8F24-2T	8F28-2T	8F32-2T		
2'-10" (34") PRECAST	2727	2878	4101	5332	6569	7811	9055	2021	2021
	2727	2784	3981	5180	6407	7630	8857		
3'-6" (42") PRECAST	2165	2289	3260	4237	5219	6204	7192	1257	1257
	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	3257	4010	4767	5525	727	727
	1666	1705	2435	3171	3913	4658	5406		
5'-4" (64") PRECAST	1393*	1484	2110	2741	3373	4010	4648	505	505
	1393	1437	2050	2670	3293	3920	4549		
5'-10" (70") PRECAST	1272*	1357	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	707	887
	1141	1182	1684	2192	2703	3216	3732		
7'-6" (90") PRECAST	959*	912	1475	1914	2354	2797	3240	591	657
	959	1029	1466	1907	2351	2797	3245		
9'-4" (112") PRECAST	801*	612	980	1269	1560	1852	2144	454	630
	801	755	1192	1550	1910	2271	2634		
10'-6" (126") PRECAST	716*	498	793	1027	1261	1496	1731	396	493
	716	611	1035	1389	1711	2034	2358		
11'-4" (136") PRECAST	666*	439	696	899	1104	1309	1515	363	556
	666	535	909	1295	1595	1896	2198		
12'-0" (144") PRECAST	607*	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	243	295	459	591	724	857	990	N.R.	357
	243	352	582	882	1156	1491	1742		
15'-4" (184") PRESTRESSED	228	278	430	553	677	801	925	N.R.	327
	228	329	542	791	1072	1381	1616		
17'-4" (208") PRESTRESSED	188	236	361	464	567	670	774	N.R.	255
	188	276	449	649	874	1121	1389		
19'-4" (232") PRESTRESSED	165	207	313	401	490	578	667	N.R.	204
	165	239	383	550	736	940	1160		
21'-4" (256") PRESTRESSED	145	186	278	356	433	512	590	N.R.	172
	142	212	336	477	635	807	993		
22'-0" (264") PRESTRESSED	140	180	268	343	418	493	568	N.R.	161
	137	205	322	457	607	771	947		
24'-0" (288") PRESTRESSED	127	165	244	312	380	447	515	N.R.	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

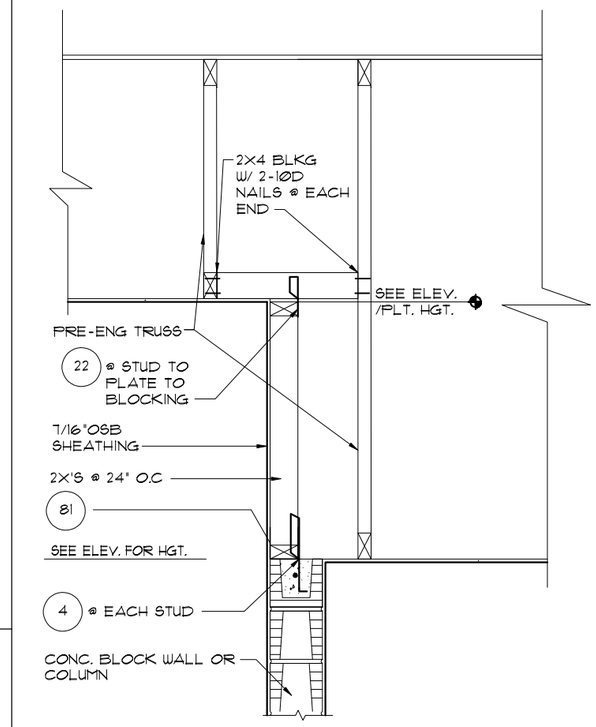
SAFE LOAD TABLE NOTES

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

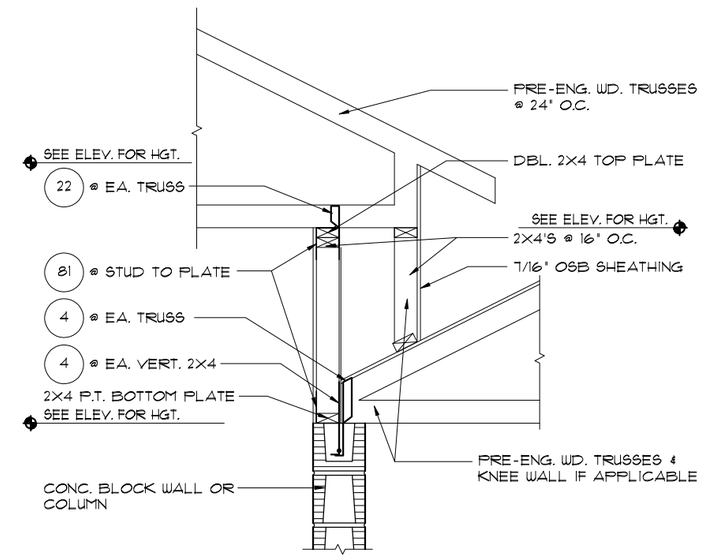
LENGTH \ TYPE	8RF6-1T	8RF10-1T	8RF14-1T	8RF18-1T	8RF22-1T	8RF26-1T	8RF30-1T	LATERAL 8RU6	LATERAL 8RF6
	8RF6-2T	8RF10-2T	8RF14-2T	8RF18-2T	8RF22-2T	8RF26-2T	8RF30-2T		
4'-4" (52") PRECAST	1244	1573	2413	3260	4112	4967	5825	932	932
	1244	1519	2339	3170	4008	4850	5696		
4'-6" (54") PRECAST	1192	1507	2311	3121	3937	4756	5577	853	853
	1192	1455	2240	3036	3837	4643	5453		
5'-8" (68") PRECAST	924*	1172	1795	2423	3055	3689	4325	501	501
	924	1132	1741	2357	2978	3603	4230		
5'-10" (70") PRECAST	896*	1138	1742	2352	2965	3581	4198	469	469
	896	1099	1690	2288	2891	3497	4106		
6'-8" (80") PRECAST	778	882	1513	2042	2573	3107	3642	830	1100
	778	856	1468	1981	2509	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	1995	516	614
	533	527	1000	1369	1728	2088	2450		

*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR



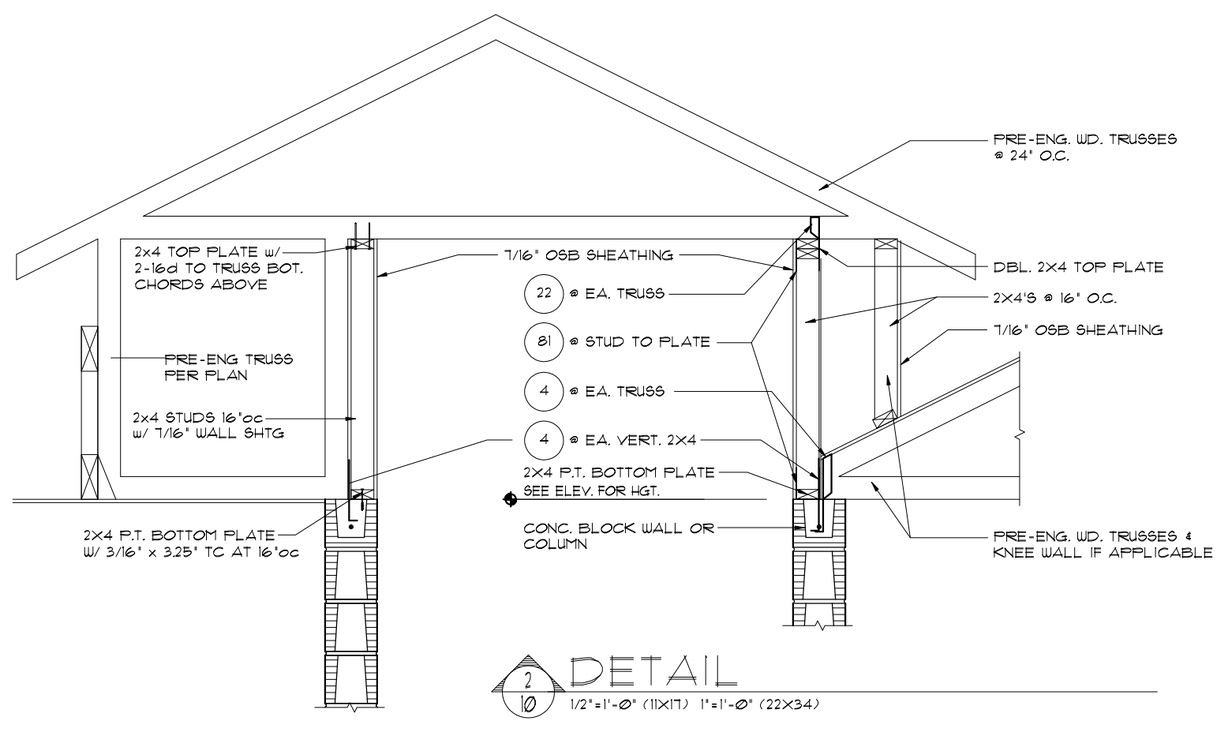
3/10 DETAIL

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



1/10 DETAIL

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



2/10 DETAIL

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

THIS STRUCTURE IS DESIGNED TO WITHSTAND 150 MPH WINDS PER THE 7th EDITION, 2020 OF THE FLORIDA BUILDING CODE RESIDENTIAL AND IS CERTIFIED AS SUCH

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REVISIONS	BY
05-16-19	JF

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Park Square HOMES

LINTEL DATA/ DETAILS

1966
MARGATE II

DATE	04-05-2017
SCALE	AS NOTED
DRAWN	RDC
JOB	N/A
SHEET	10
OF	00 SHEETS

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	H10A	RFT: (9)10d x 1 1/2" PLT: (9)10d x 1 1/2"	RT16	RFT: 8-8d x 1½" PLT: 8-8d	930	585/525
23	LUS26	HDR: 4-10d/JST: 4-10d	JUS26	HDR: 4-10d/JST: 4-10d	935	N/A
24	H7Z	RFT / TRS: (4)8d PLT / STD: (2)8dX 1 1/2" (8)8D	RT20	RFT / TRS: 9-10d PLT / STD: 13-10d	985	400 / N/A
26	H2.5A	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"	MPAIF	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"	TP4,6,48	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
99	A35	H:4-8dx1½"/P:4-8dx1½"	MPAI	H:6-8dx1½"/P:6-8dx1½"	440	440 / N/A
98-101	HTT4	⅝" BOLT/ 18-16dX2½"	N/A	N/A	3,640	N/A
97-100-102	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	HHUS28-2	G:28-16d / T:8-16d	EHUH28-2	12-16d	2,000	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

DETAILS/ CONNECTOR SCHEDULE

1966

MARGATE II

DATE 04-05-2017
SCALE AS NOTED
DRAWN RDC
JOB N/A
SHEET 11
OF 00 SHEETS