# 1966

# THE MARGATE II - BONUS (SIDING) FLORIDA SERIES

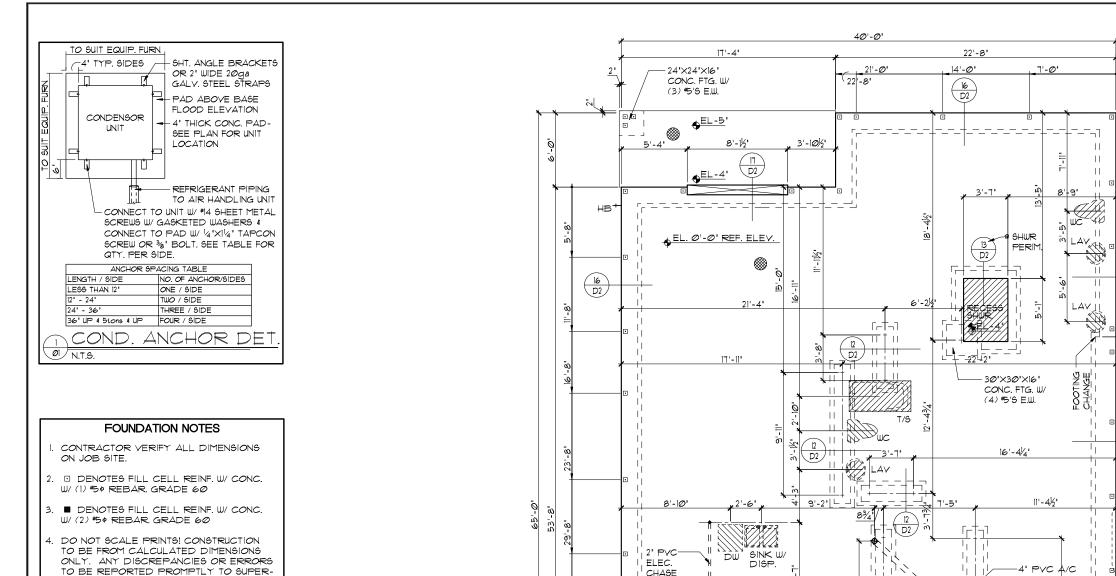
PAD SIZE: 40' X 65'

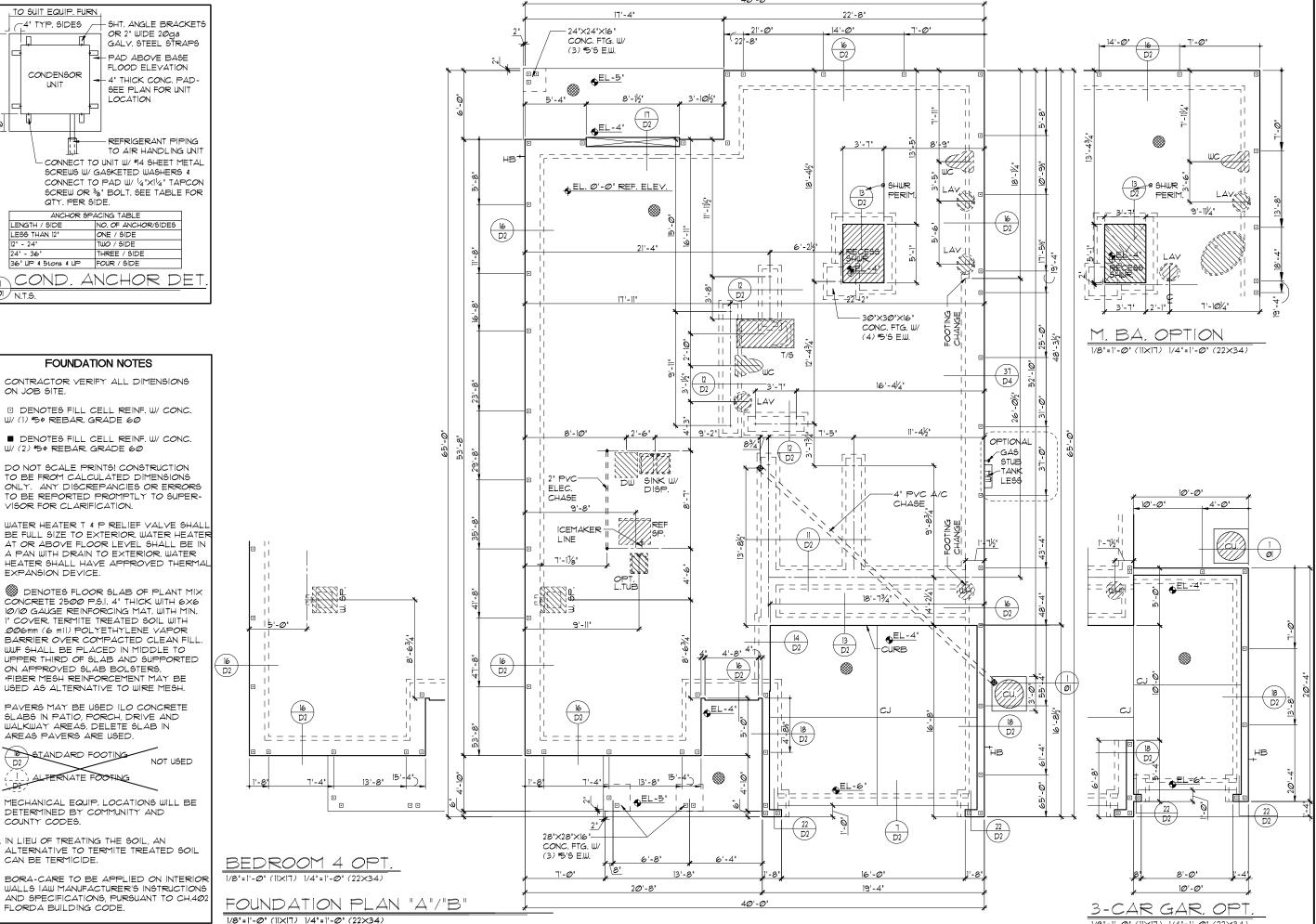
#### SHEET INDEX: **COVER SHEET** 01AB FOUNDATION PLAN "A" & "B" 12A UPPER TRUSS LAYOUT "A" FOUNDATION PLAN "C" 12A.1 UPPER TRUSS LAYOUT "A" BONUS ROOM OPT. 02AB FLOOR PLAN W/ DIMENSIONS "A" & "B" UPPER TRUSS LAYOUT 'B' 02C FLOOR PLAN W/ DIMENSIONS "C" 12B.1 UPPER TRUSS LAYOUT 'B' BONUS ROOM OPT. 03AB FLOOR PLAN W/ NOTES "A" & "B" UPPER TRUSS LAYOUT "C" 03C FLOOR PLAN W/ NOTES "C" 12C.1 UPPER TRUSS LAYOUT "C" BONUS ROOM OPT. 04AB UPPER FLOOR PLAN W/ DIMENSIONS "A" & "B" 13AB PRE-CAST LINTEL LAYOUT- "A" & "B" 04AB.1 UPPER FLOOR PLAN W/ DIM. "A" & "B" BON. ROOM OPT. 13C PRE-CAST LINTEL LAYOUT- "C" 04C UPPER FLOOR PLAN W/ DIMENSIONS "C" TYPICAL DETAILS 04C.1 UPPER FLOOR PLAN W/ DIM. 'C' BON. ROOM OPT. 15 TYPICAL DETAILS 05AB UPPER FLOOR PLAN W/ NOTES "A" & "B" TYPICAL DETAILS 05AB.1 UPPER FLOOR PLAN W/ NOTES "A" & "B" BON. ROOM OPT. TYPICAL DETAILS 05C UPPER FLOOR PLAN W/ NOTES "C" TYPICAL STRUCTURAL DETAILS 05C.1 UPPER FLOOR PLAN W/ NOTES 'C' BON. ROOM OPT. D2 TYPICAL STRUCTURAL DETAILS 06A EXTER. ELEVATION "A" - FRONT & REAR TYPICAL STRUCTURAL DETAILS EXTER. ELEVATION "B" - FRONT & REAR TYPICAL STRUCTURAL DETAILS, 2 STORY 06C EXTER. ELEVATION 'C'- FRONT & REAR TYPICAL STRUCTURAL DETAILS, 2 STORY EXTER. ELEVATION "A"- LEFT & RIGHT EXTER. ELEVATION "B"- LEFT & RIGHT EXTER. ELEVATION "C"- LEFT & RIGHT CROSS SECTION / INTERIOR ELEVATIONS 08 09 ELECTRICAL PLAN UPPER ELECTRICAL PLAN 10.1 UPPER ELECTRICAL PLAN-BONUS ROOM OPT. TRUSS LAYOUT "A" TRUSS LAYOUT "B" 11B TRUSS LAYOUT "C" \* ADD .3 FOR 3-CAR GARAGE OPTION

NO.	DATE	DESCRIPTION	T	
110.	DAIL		+	
$\Lambda$	Ø3/12/18 Ø6/2Ø/18	UPDATE 2017 CODE - ELEV A & B	- Hu	
			1	
$\sqrt{2}$		-CREATED STAIRS SECTION & INT, ELEV. FOR	- NJ	
		BOOK SHELF	-	
/3	Ø8/15/18	-ADDED 2ND BONUS ROOM OPT AS ONE LARGE	J₽	
		SPACE.		
		-CHANGED CLOSET DOOR IN BR.2 TO 2/4	+	
4	10/04/18	-DELETED A/C UNIT BY B. BA.	NJ.	
4	10/04/10	-RELOCATED LINEN CLOSET DOOR TO B. BA		
		-REVISED THE AREA WHERE THE A/C UNIT USED	Τ	
		TO BE TO MATCH THE OPEN BONUS OPTION	1	
		-REDUCED 5 1/2" WALL BETWEEN BR. 2 AND	Τ	
		GARAGE TO 3 1/2"		
<u>/</u> 5\	11/06/18	-REPLACE BONUS LINEN BIFOLD W/ PRE-HUNG	M	
737		DR.		
6	11/28/18	-DELETE MASTER BR. NICHE & CHANGE ALL		
70		INTERIOR ARCHES TO FLAT SOFFITS	M	
A	Ø2/15/19	-ADDED 2019 PLAN FEST CHANGES	I	
8	05-16-19	-ADDED NEW A, B, C SIDING ELEVATIONS		
20	69-10-13		JI	
æ	05-16-19	-MODIFIED ELEVATIONS FOR CORRECT BONUS	I	
737	W5-16-13	ROOM CONFIGURATION		
A	Ø1-13-21	-UPDATE TO CODE 2020		
			R	
/ii\	06-10-21	-REMOVE MEDICINE CABINET FROM BATHROOMS	T	
	W6-1W-21	-ADD 2x6 WALL IN LAUNDRY ROOM		
/12	00 0E 11	-ADD FRONT ENTRY SECTION	Τ	
<u> </u>	Ø8-Ø5-21		∤ R	

BONUS =MARGATE

DATE Ø4-Ø5-2ØIT





04-22-19

ä

BONUS 1 

MARGATE DATE Ø4-Ø5-2ØIT SCALE AS NOTED

JOB SHEET

|/8"=|'-0" (||X|7) |/4"=|'-0" (22X34)

01AB

OF ØØ SHEETS

BORA-CARE TO BE APPLIED ON INTERIOR WALLS IAW MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, PURSUANT TO CH.402 FLORDA BUILDING CODE.

VISOR FOR CLARIFICATION.

EXPANSION DEVICE.

WATER HEATER T & P RELIEF VALVE SHALL

AT OR ABOVE FLOOR LEVEL SHALL BE IN A PAN WITH DRAIN TO EXTERIOR. WATER

HEATER SHALL HAVE APPROVED THERMA

DENOTES FLOOR SLAB OF PLANT MIX

CONCRETE 2500 P.S.I. 4" THICK WITH 6X6

10/10 GAUGE REINFORCING MAT. WITH MIN.

I" COVER. TERMITE TREATED SOIL WITH

.006mm (6 mil) POLYETHYLENE VAPOR BARRIER OVER COMPACTED CLEAN FILL

WWF SHALL BE PLACED IN MIDDLE TO

PAVERS MAY BE USED ILO CONCRETE SLABS IN PATIO, PORCH, DRIVE AND

WALKWAY AREAS. DELETE SLAB IN

PRIVATE FOOTING

9. MECHANICAL EQUIP. LOCATIONS WILL BE

ALTERNATIVE TO TERMITE TREATED SOIL

DETERMINED BY COMMUNITY AND

10. IN LIEU OF TREATING THE SOIL, AN

AREAS PAVERS ARE USED.

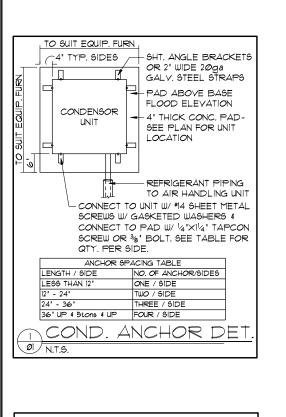
STANDARD FOOTING

COUNTY CODES.

CAN BE TERMICIDE.

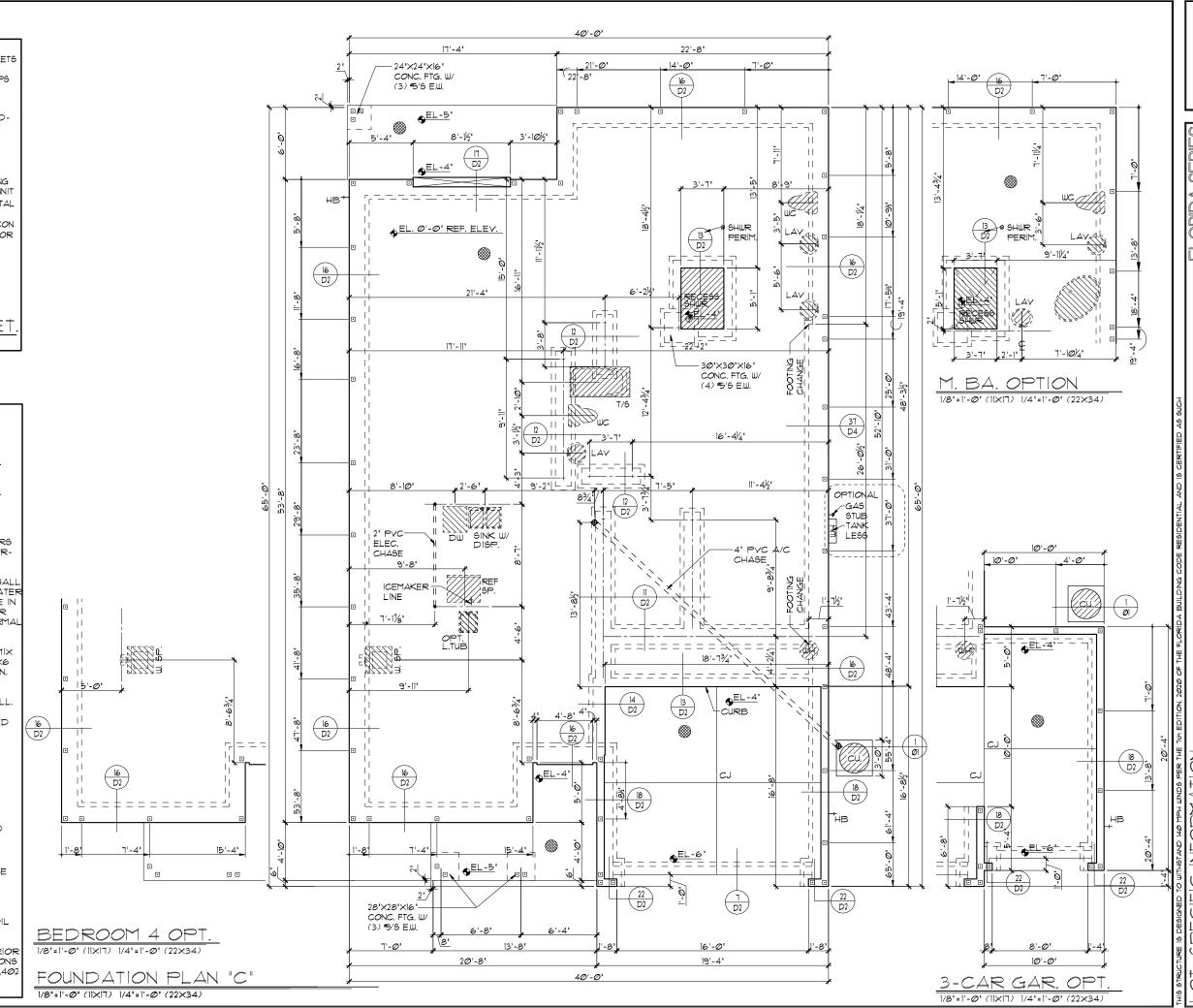
ON APPROVED SLAB BOLSTERS. \*FIBER MESH REINFORCEMENT MAY BE USED AS ALTERNATIVE TO WIRE MESH.

UPPER THIRD OF SLAB AND SUPPORTED



#### FOUNDATION NOTES

- I. CONTRACTOR VERIFY ALL DIMENSIONS ON JOB SITE.
- DENOTES FILL CELL REINF, W/ CONC.
   W/ (1) \*5¢ REBAR, GRADE 6Ø
- DENOTES FILL CELL REINF, W/ CONC.
   W/(2) \*5¢ REBAR, GRADE 6Ø
- 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 901L WITH 000mm (6 mil) POLYETHYLENE VAPOR BARRIER OVER COMPACTED CLEAN FILL. WUF SHALL BE PLACED IN MIDDLE TO UPPER THIRD OF SLAB AND SUPPORTED ON APPROVED SLAB BOLSTERS.
  FIBER MESH REINFORCEMENT MAY BE USED AS ALTERNATIVE TO WIRE MESH.
- PAVERS MAY BE USED ILO CONCRETE SLABS IN PATIO, PORCH, DRIVE AND WALKWAY AREAS. DELETE SLAB IN AREAS PAVERS ARE USED.
- 8. STANDARD FOOTING NOT USED
- 9. MECHANICAL EQUIP. LOCATIONS WILL BE DETERMINED BY COMMUNITY AND COUNTY CODES.
- IO. IN LIEU OF TREATING THE SOIL, AN ALTERNATIVE TO TERMITE TREATED SOIL CAN BE TERMICIDE.
- II. BORA-CARE TO BE APPLIED ON INTERIOR WALLS IAW MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS, PURSUANT TO CH.402 FLORDA BUILDING CODE.



04-22-19

SONOS

MARGATE

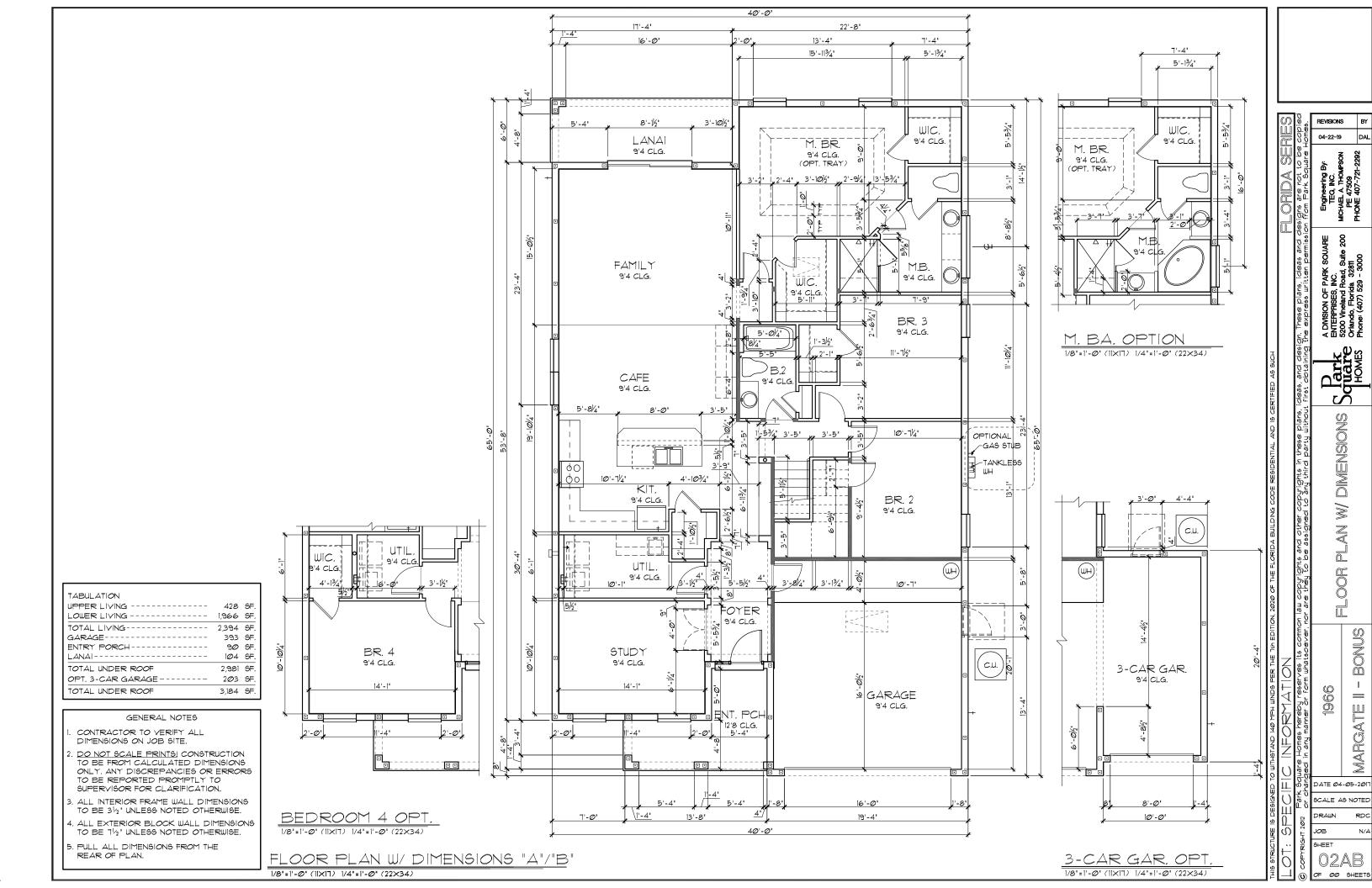
DATE **04-05-20**17

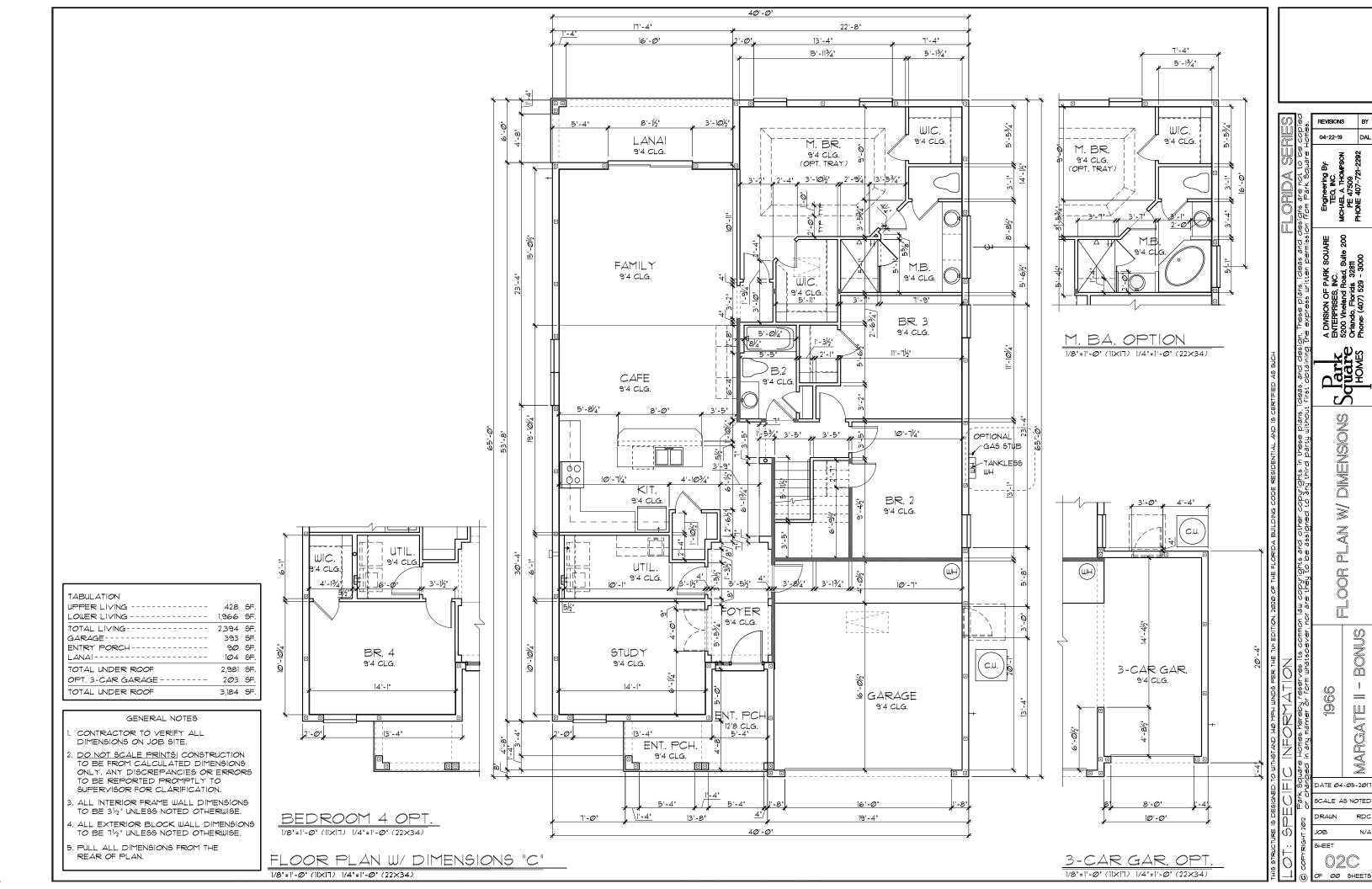
SCALE AS NOTED

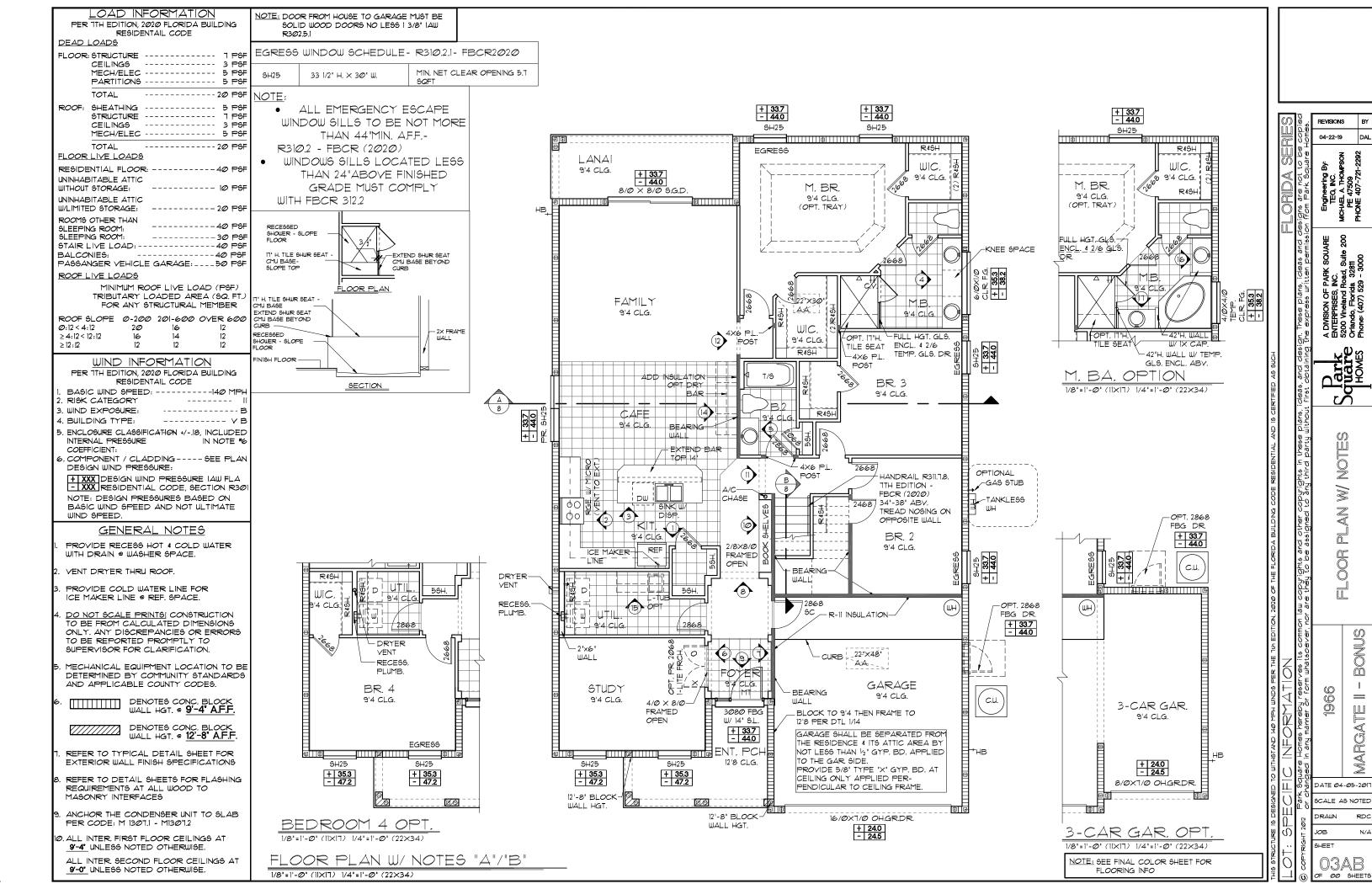
ØØ SHEETS

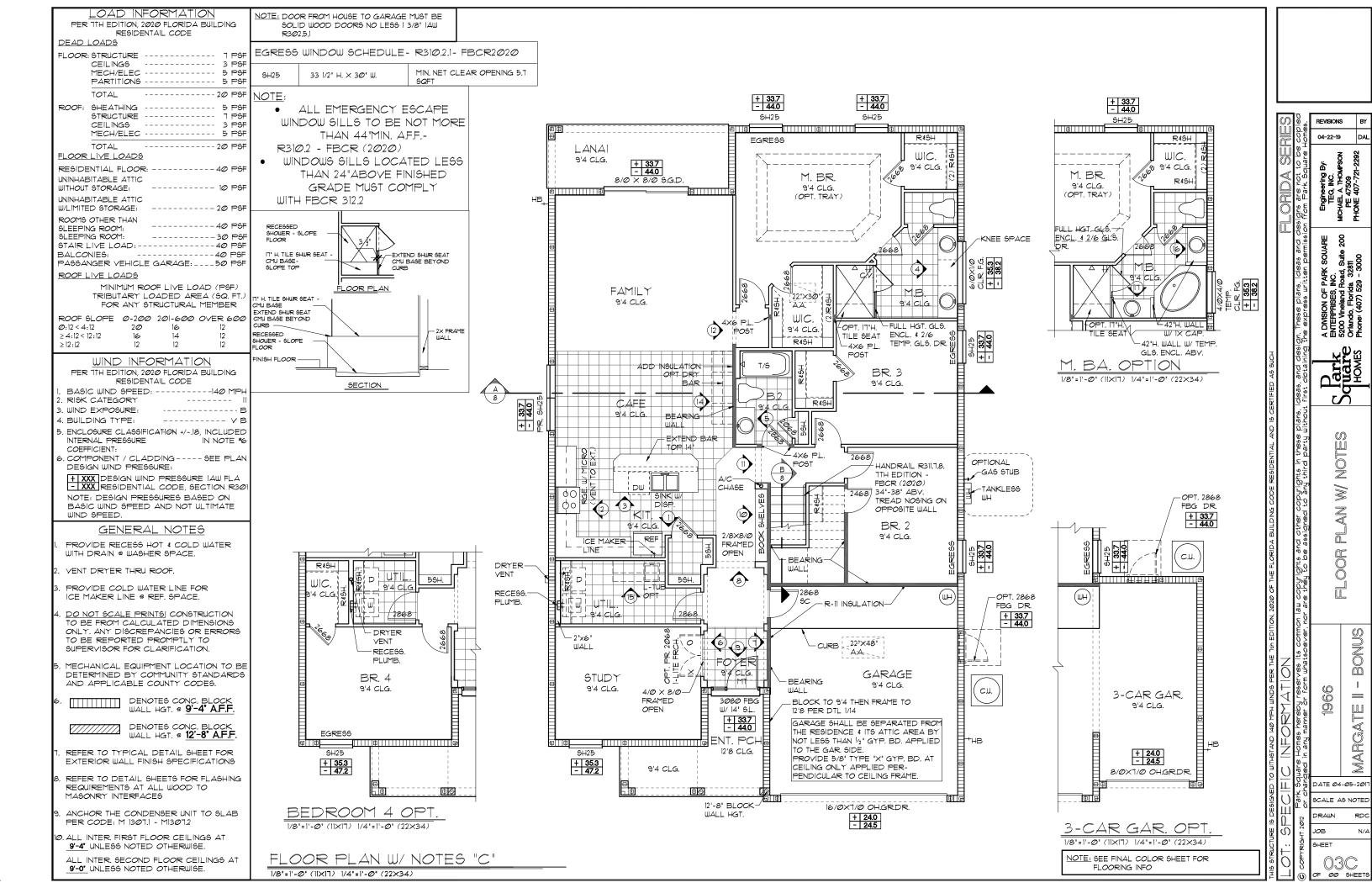
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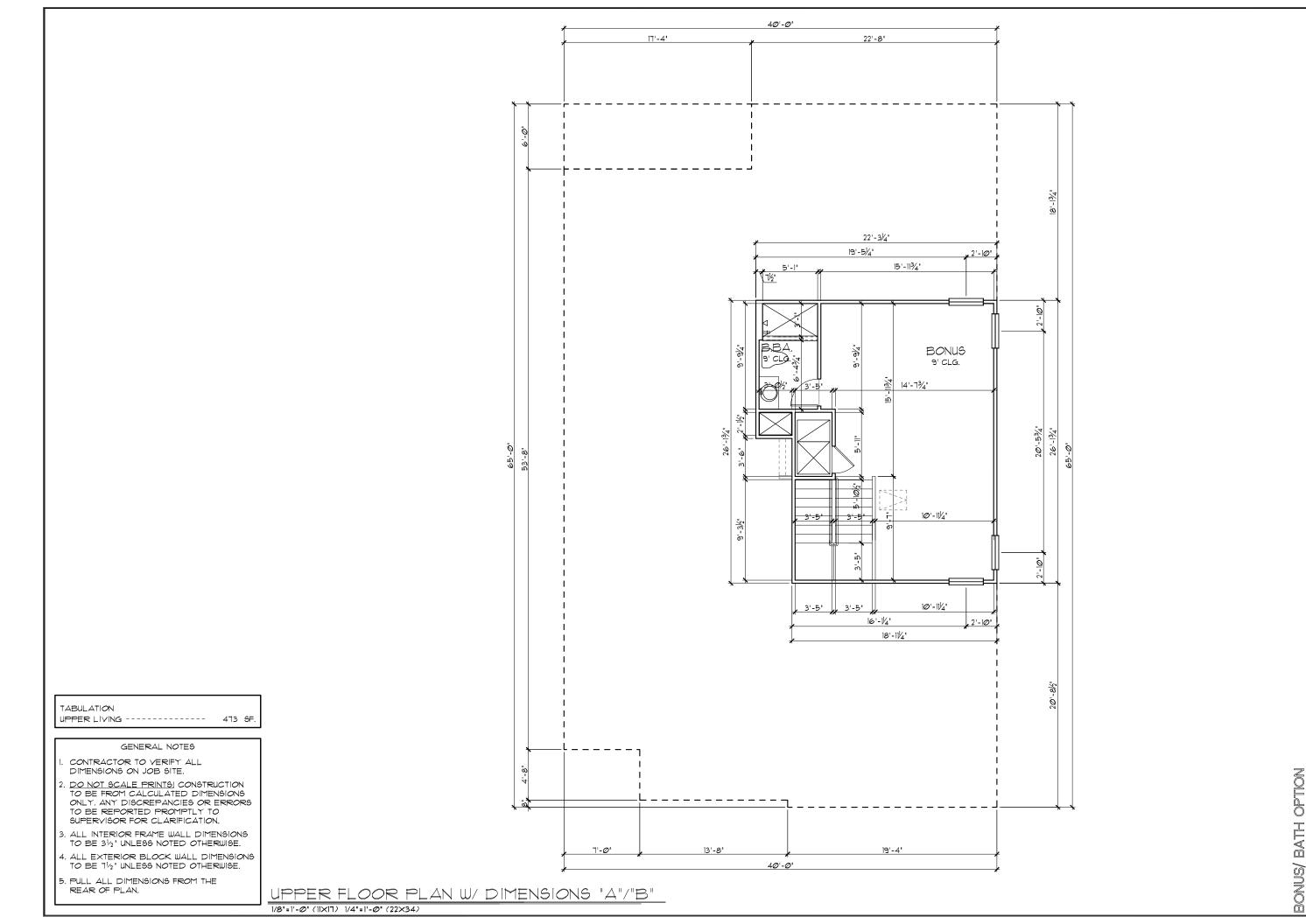
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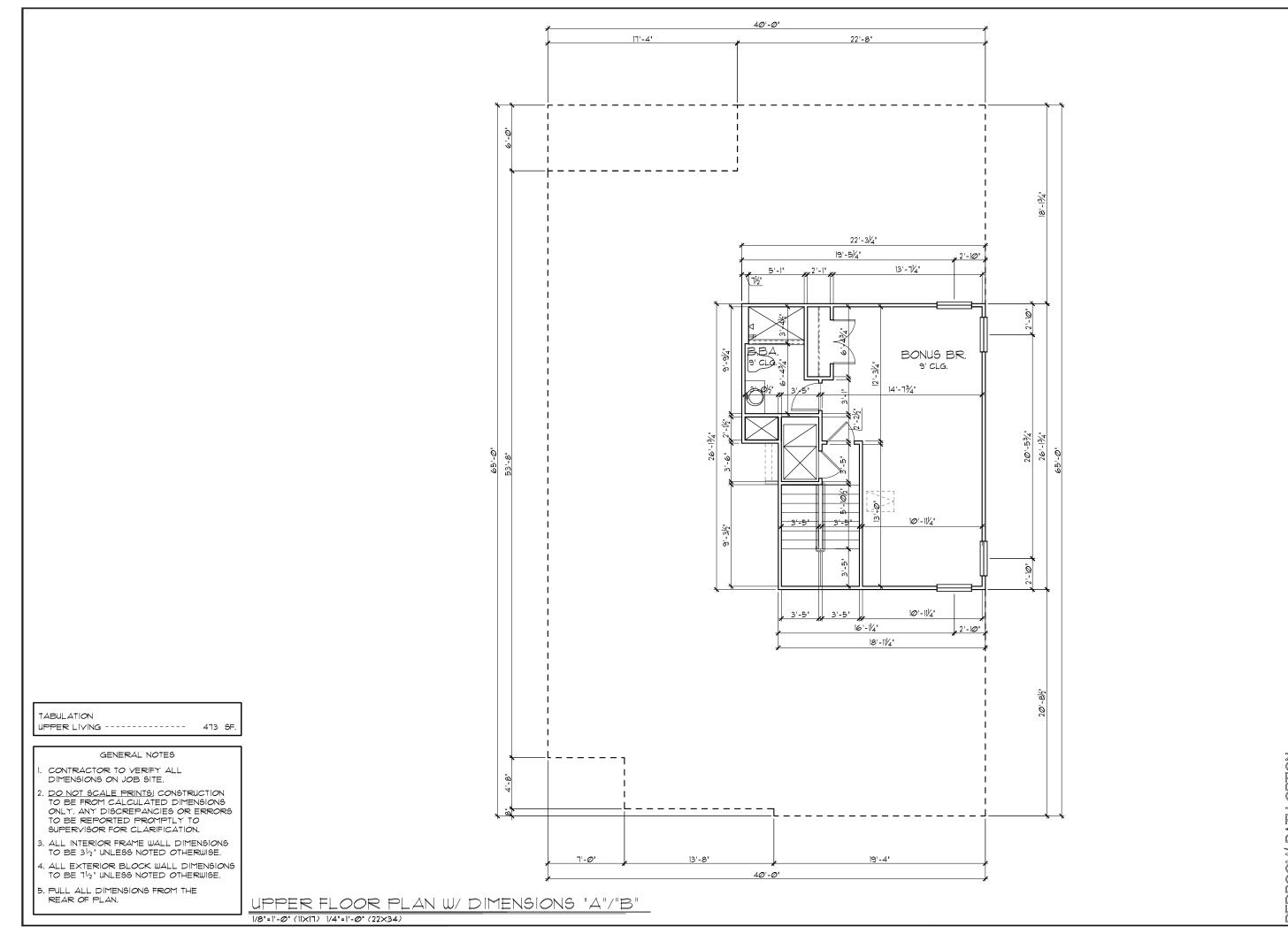




1966 | FLOOR PLAN W/ DIMENSIONS | Content of the co

DATE **04-05-20**17

SCALE AS NOTED



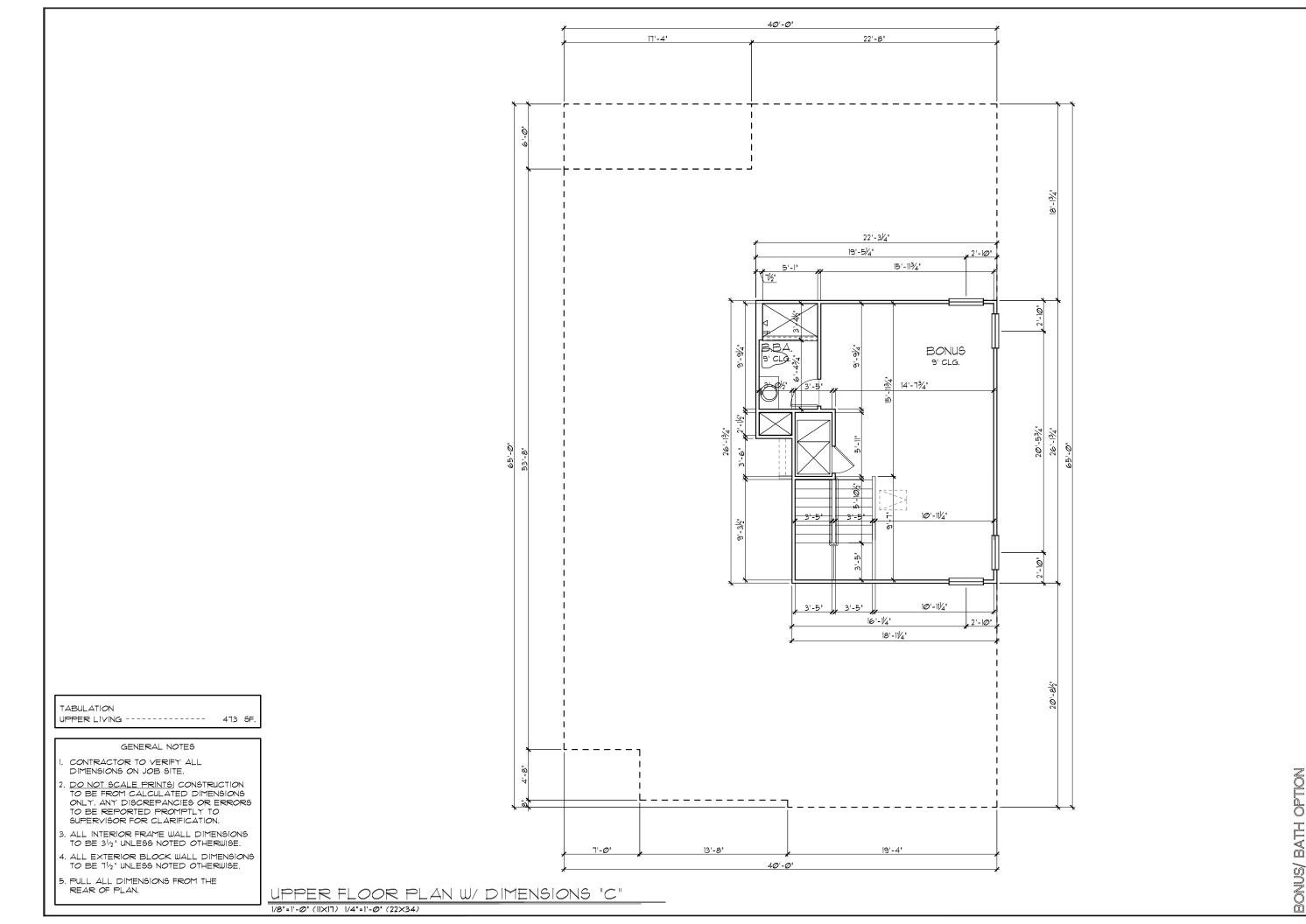
BATH

MARGATE II -DATE **04-05-20**17 SCALE AS NOTED

DIMENSIONS

OOR PLAN W/ DIMENS BONUS ROOM OPT.

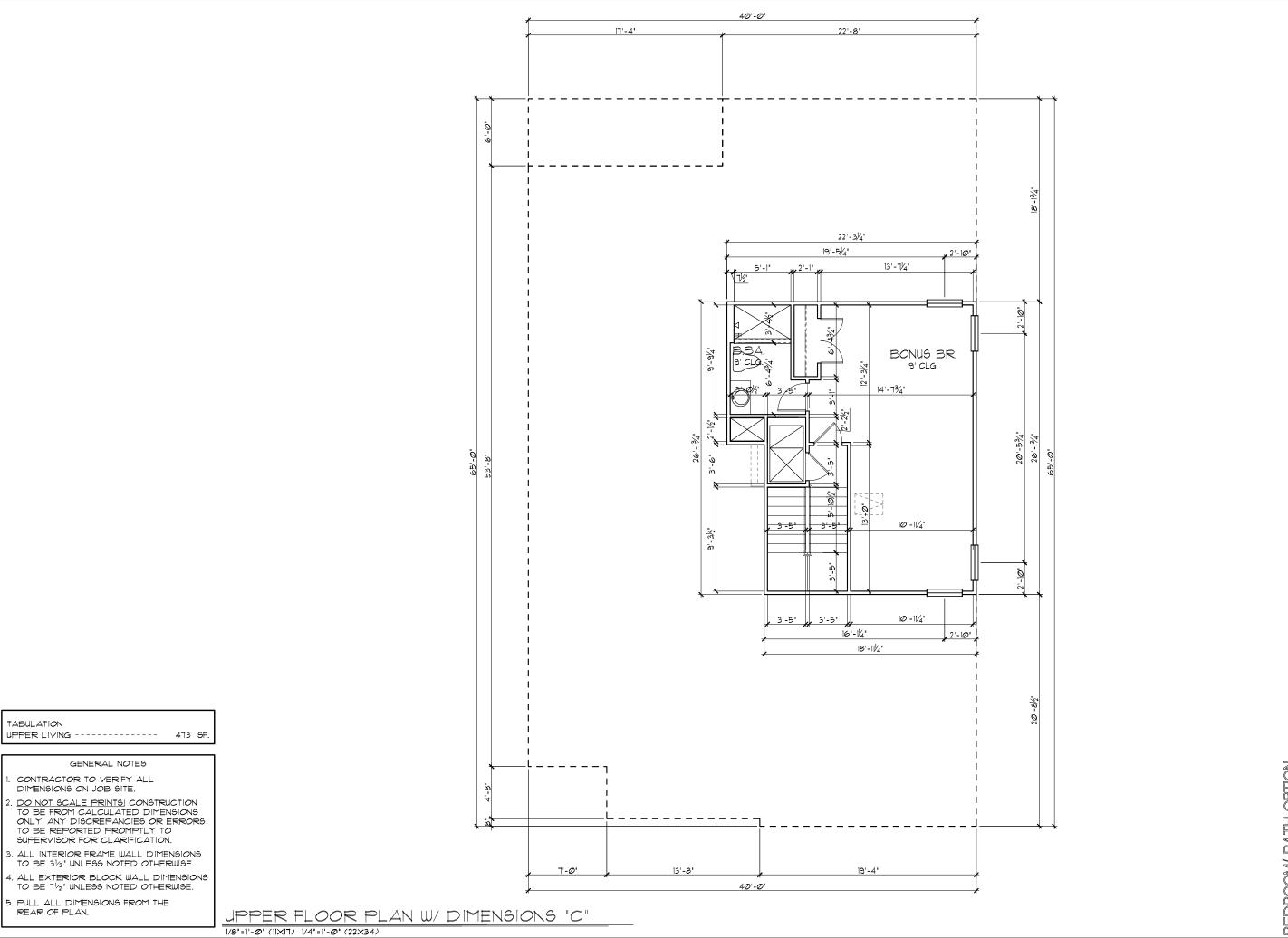
BONUS



DIMENSIONS OOR PLAN W/ DIMENS BONUS ROOM OPT. MARGATE II - BONUS

DATE Ø4-Ø5-2ØIT

SCALE AS NOTED



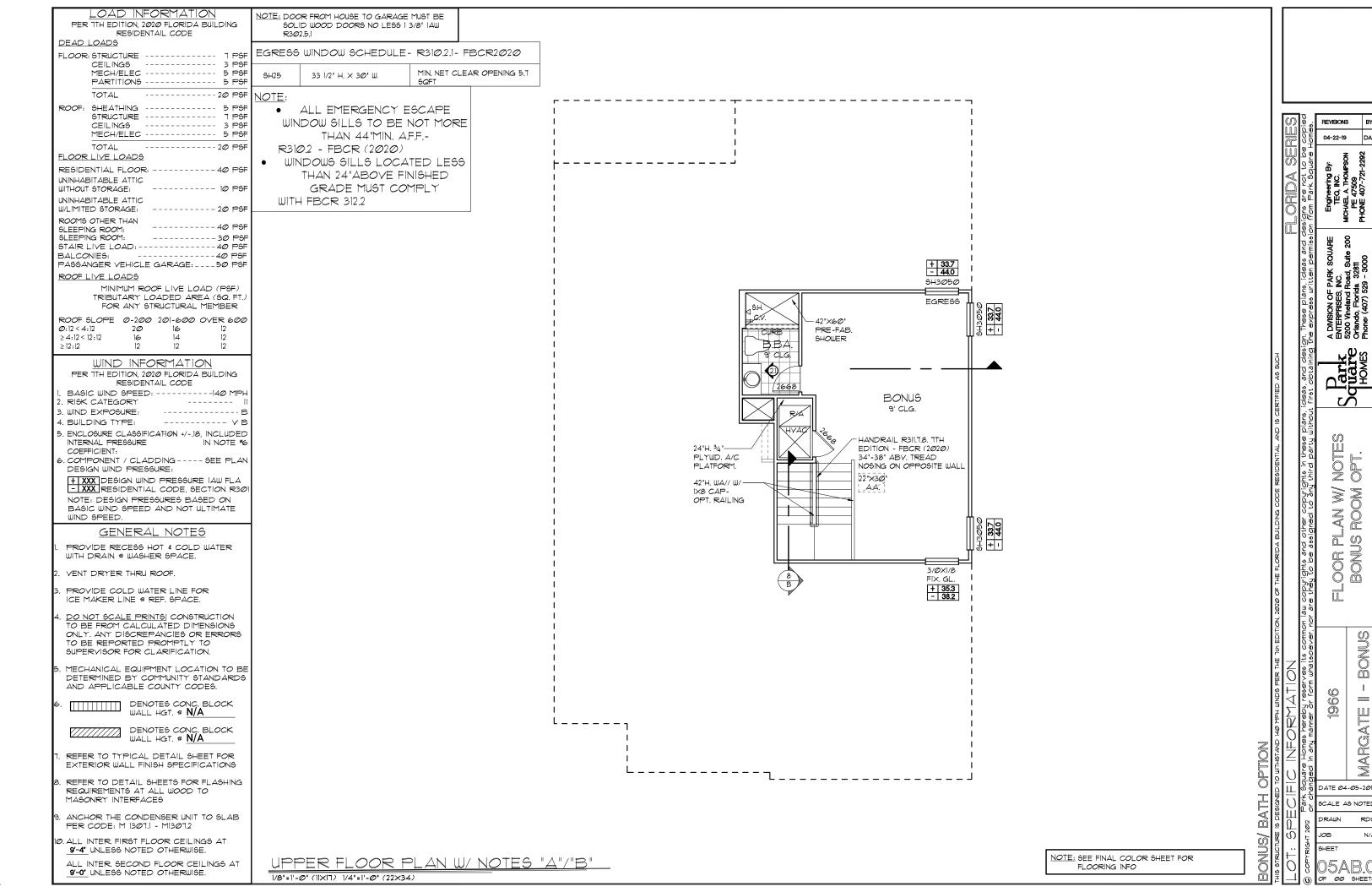
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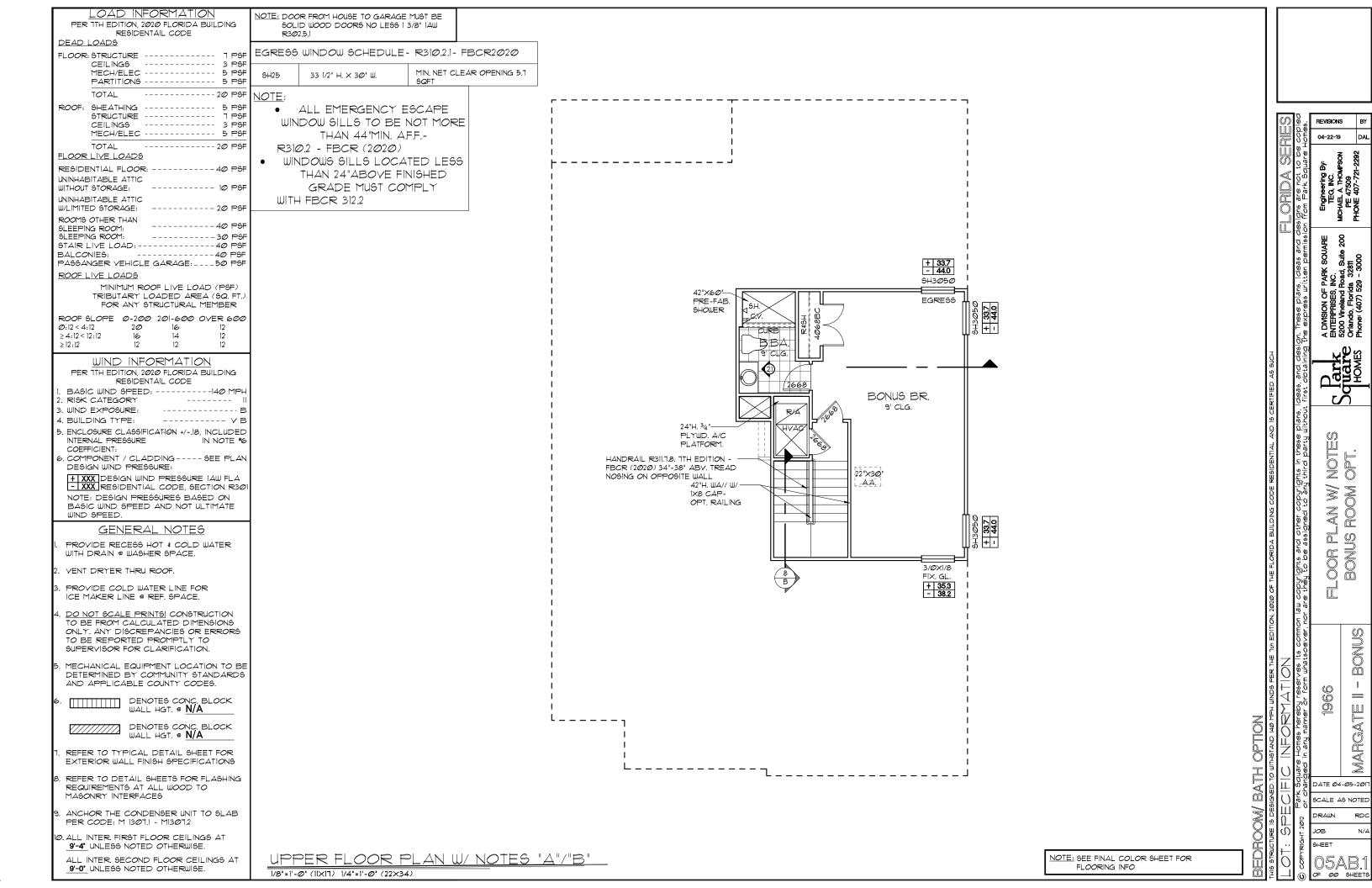
MARGATE II - BONUS

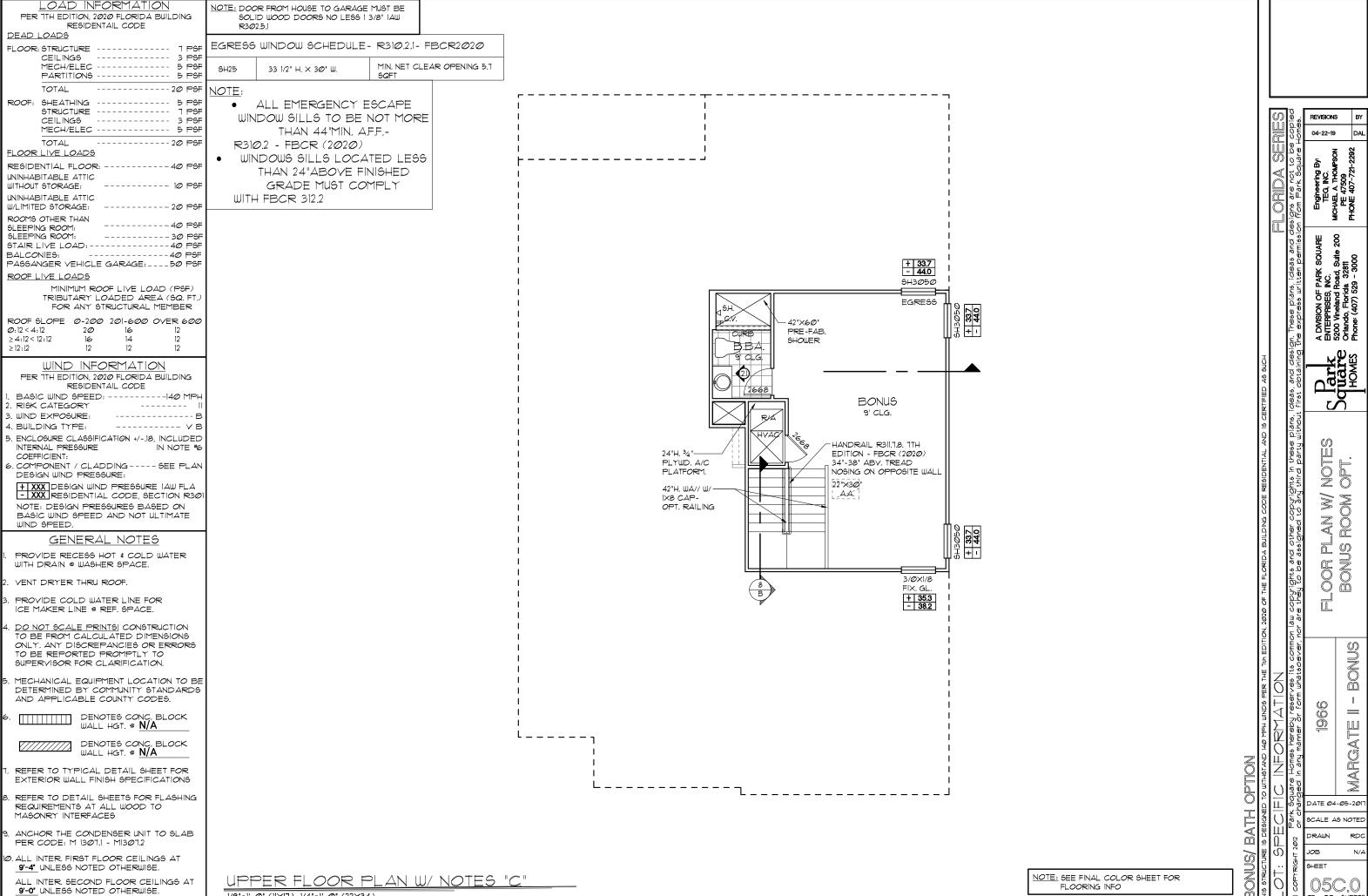
DATE **Ø4-Ø5-2Ø**IT SCALE AS NOTED

DIMENSIONS

OOR PLAN W/ DIMENS BONUS ROOM OPT.

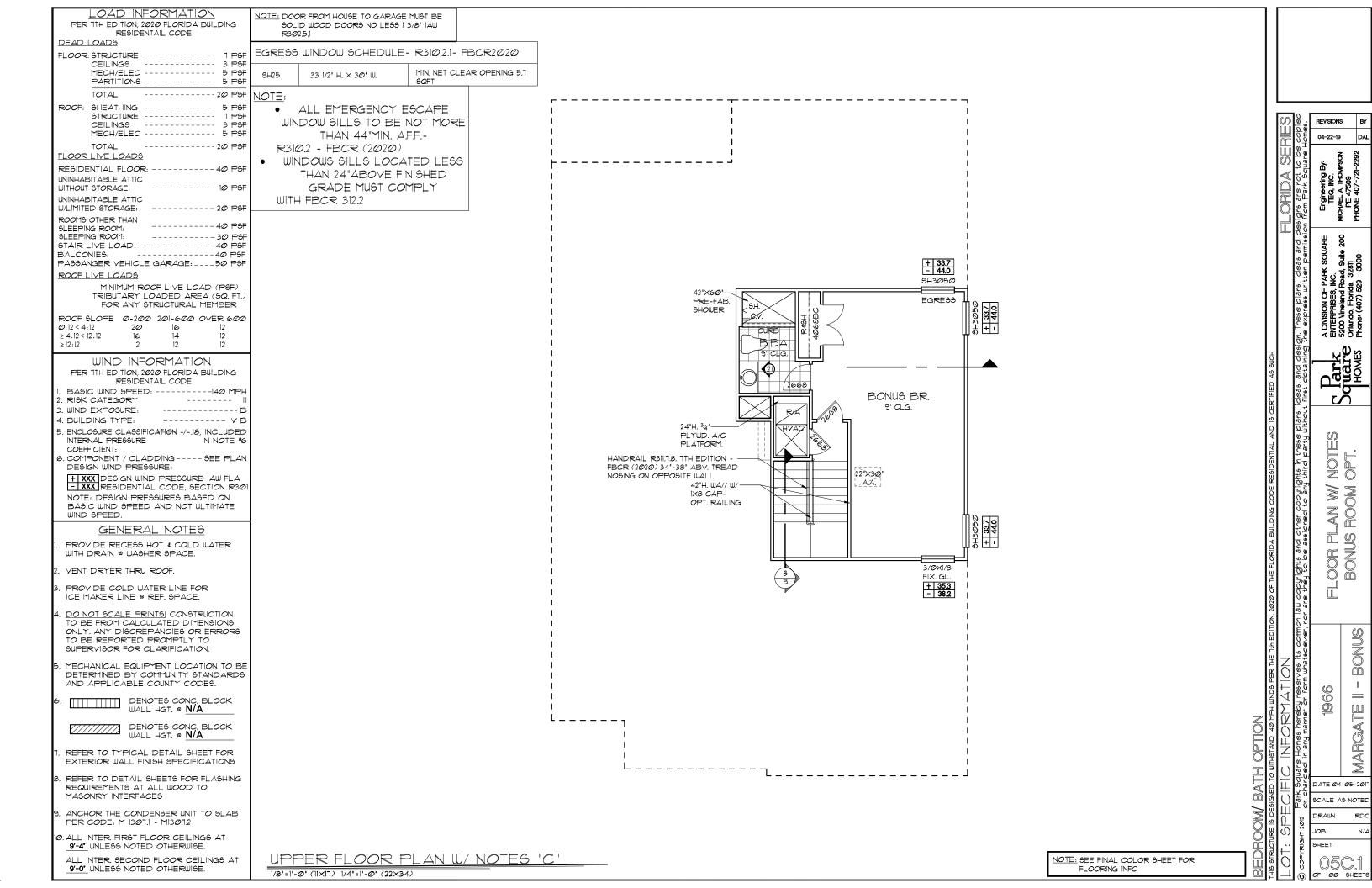


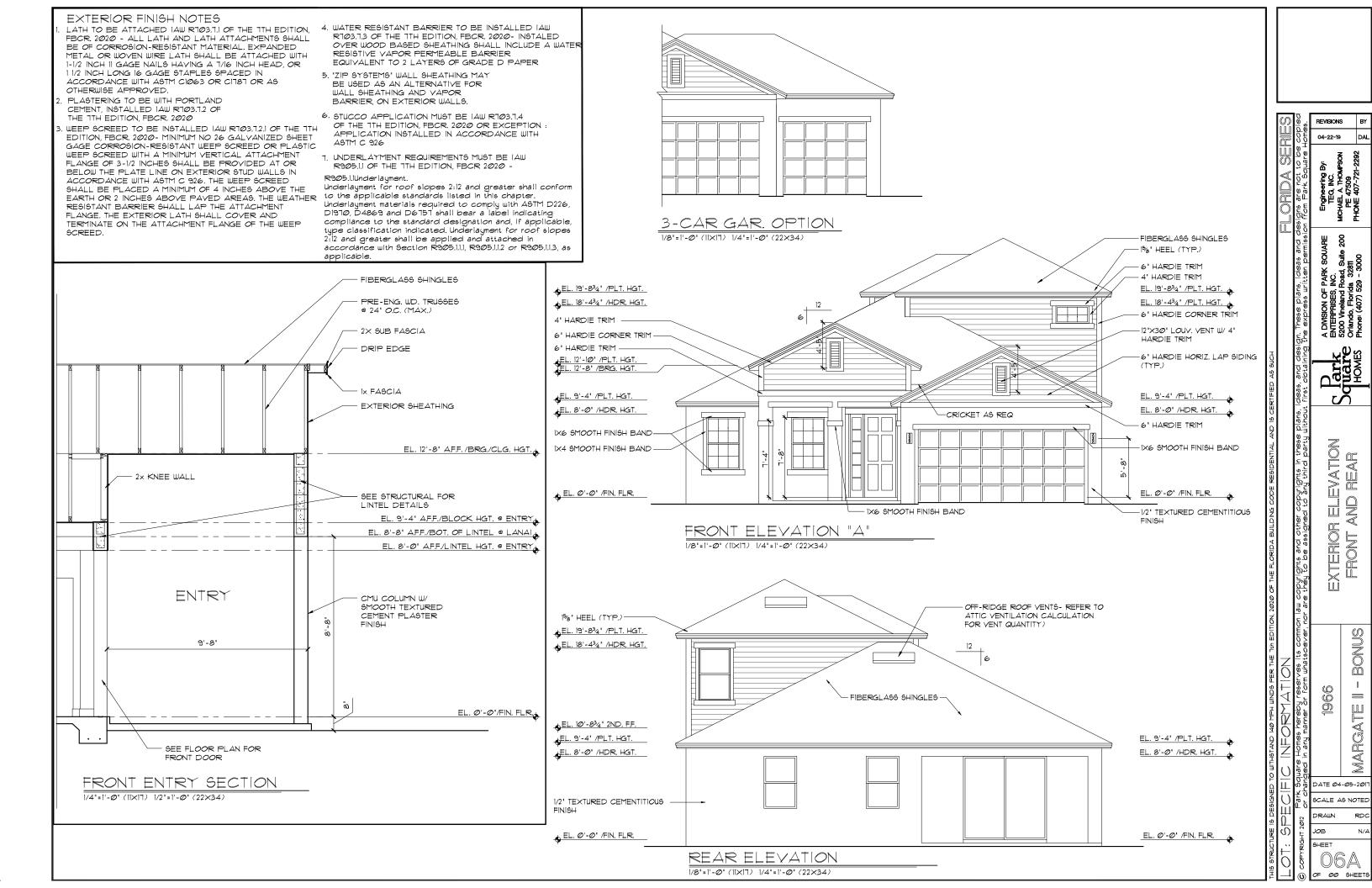


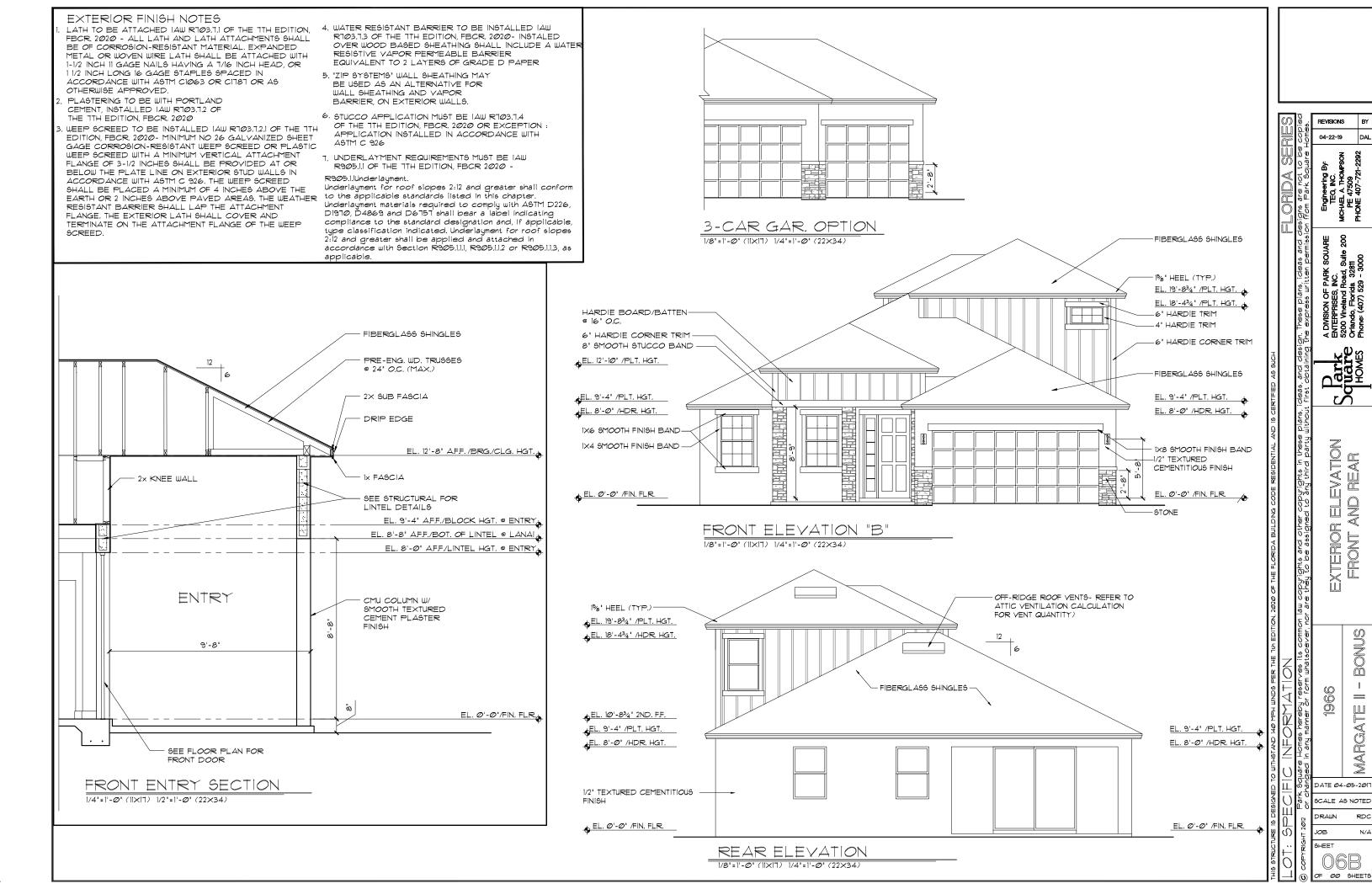


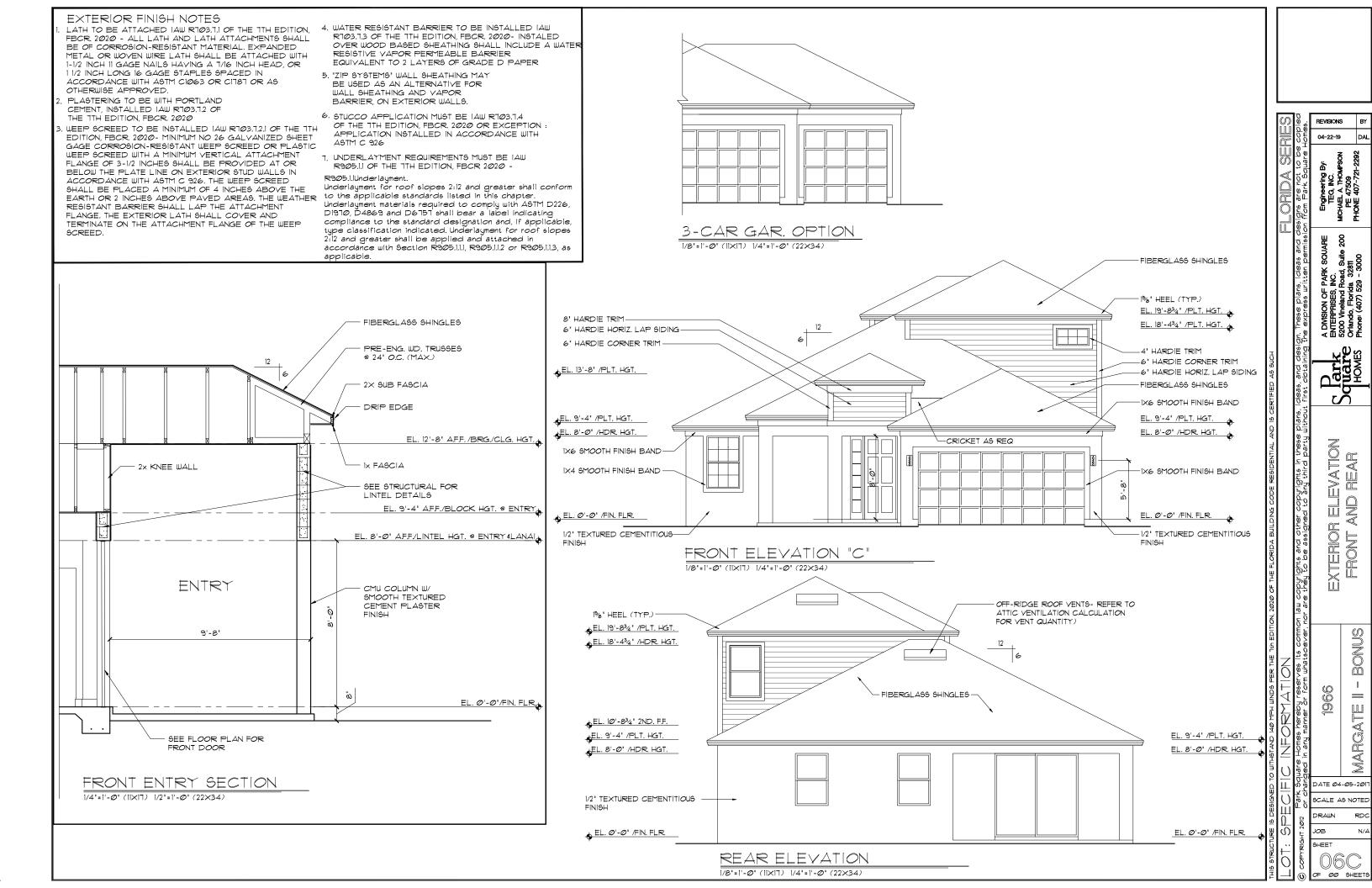
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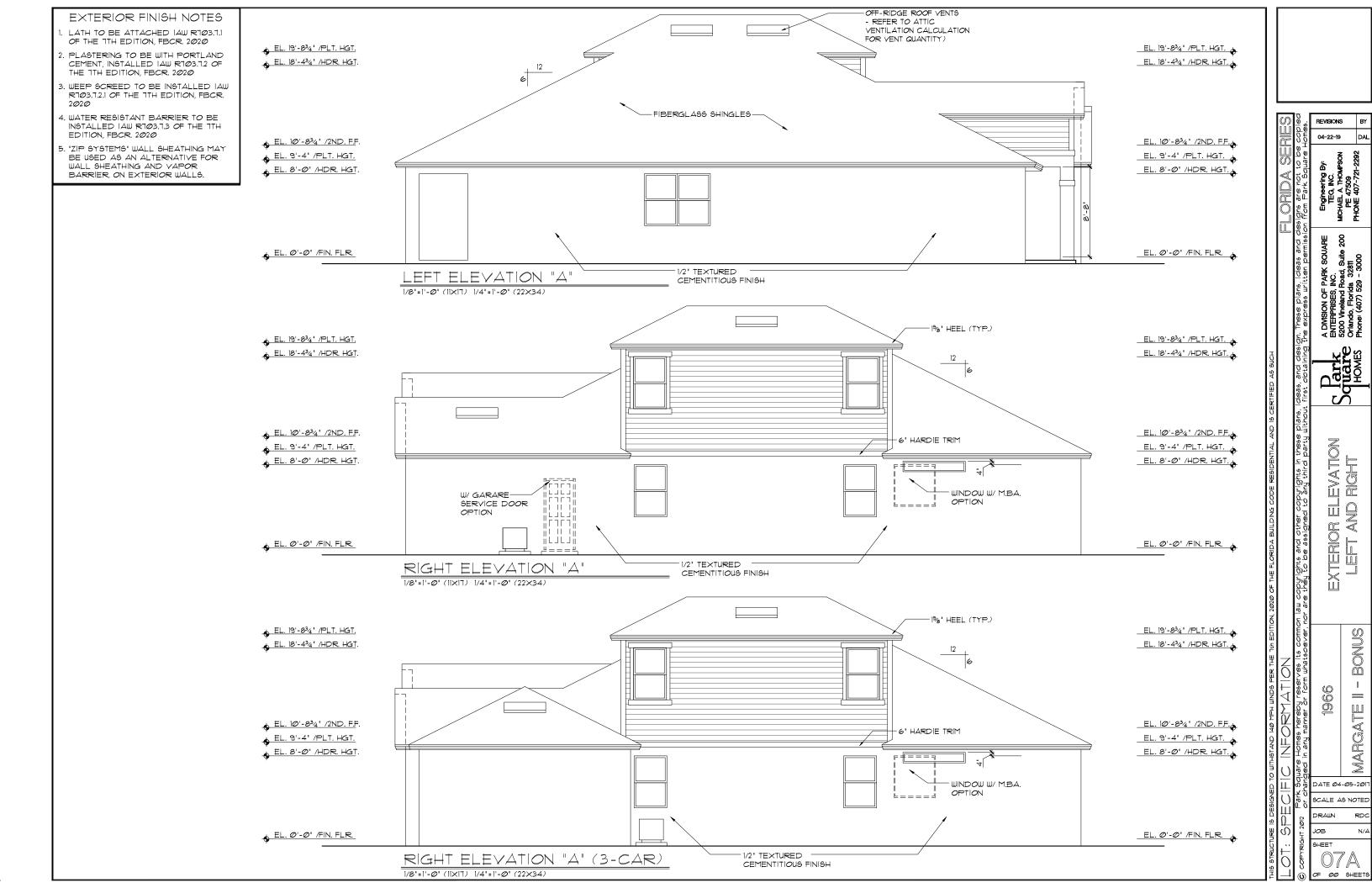
FLOORING INFO

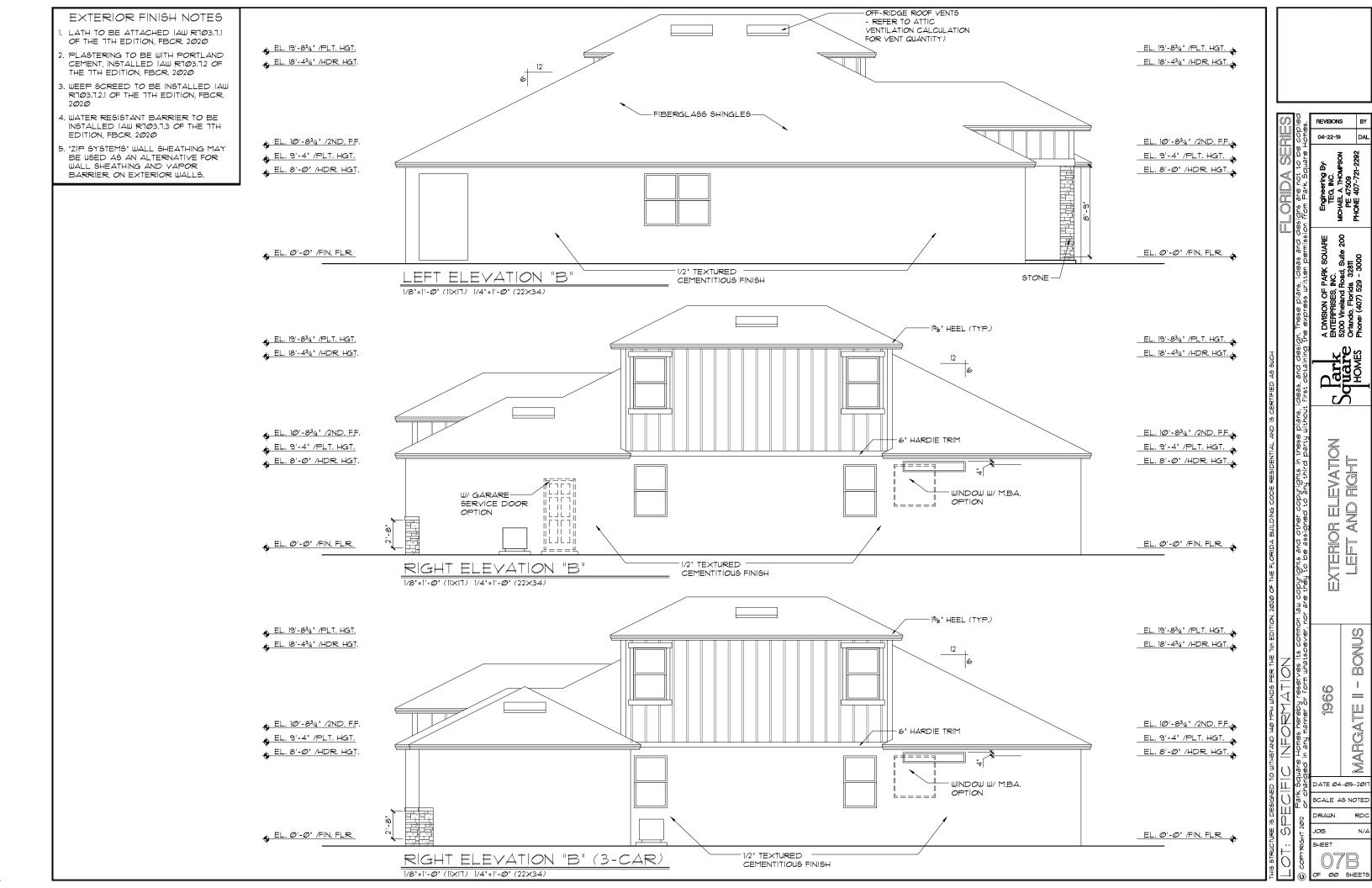


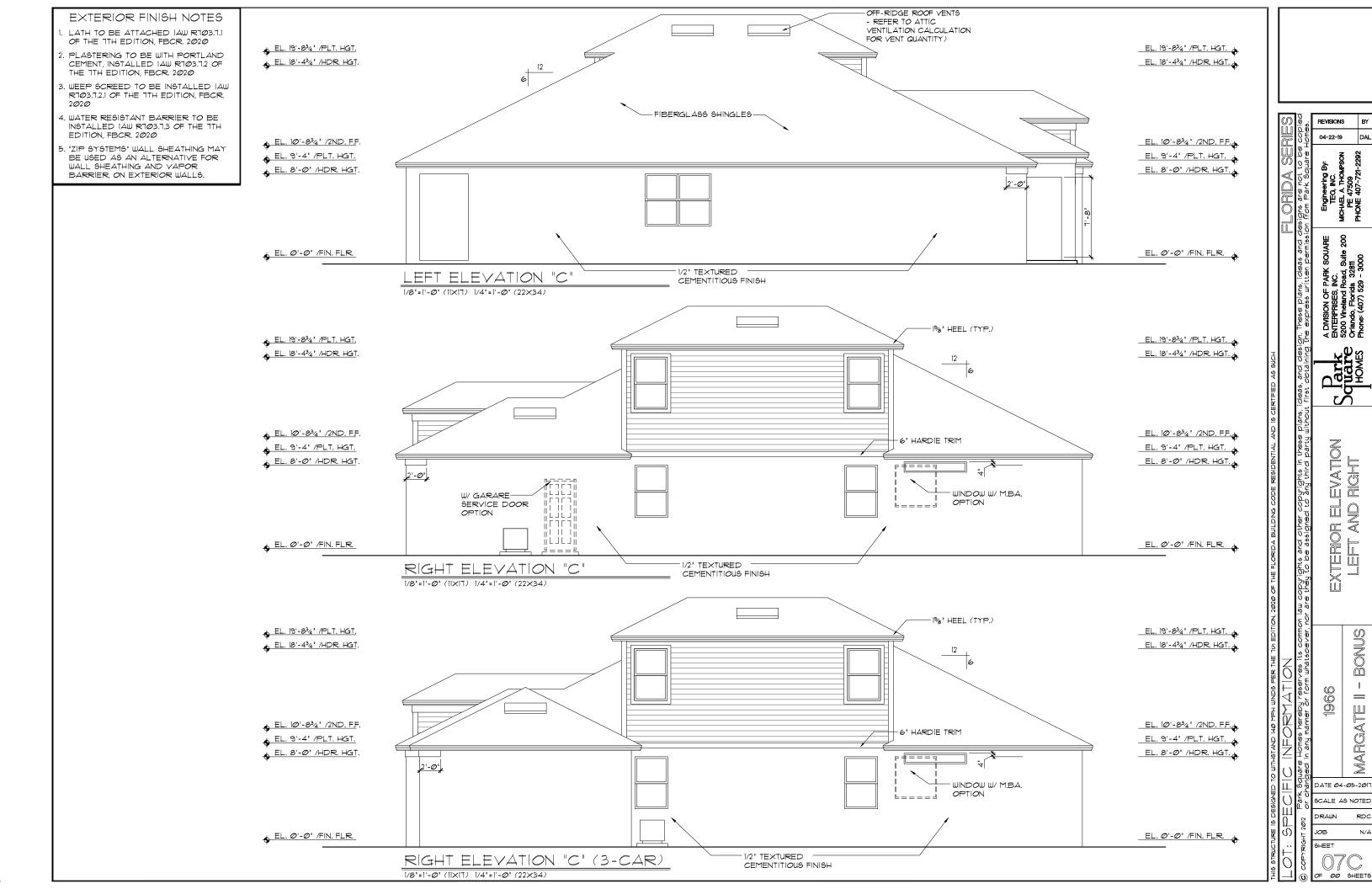


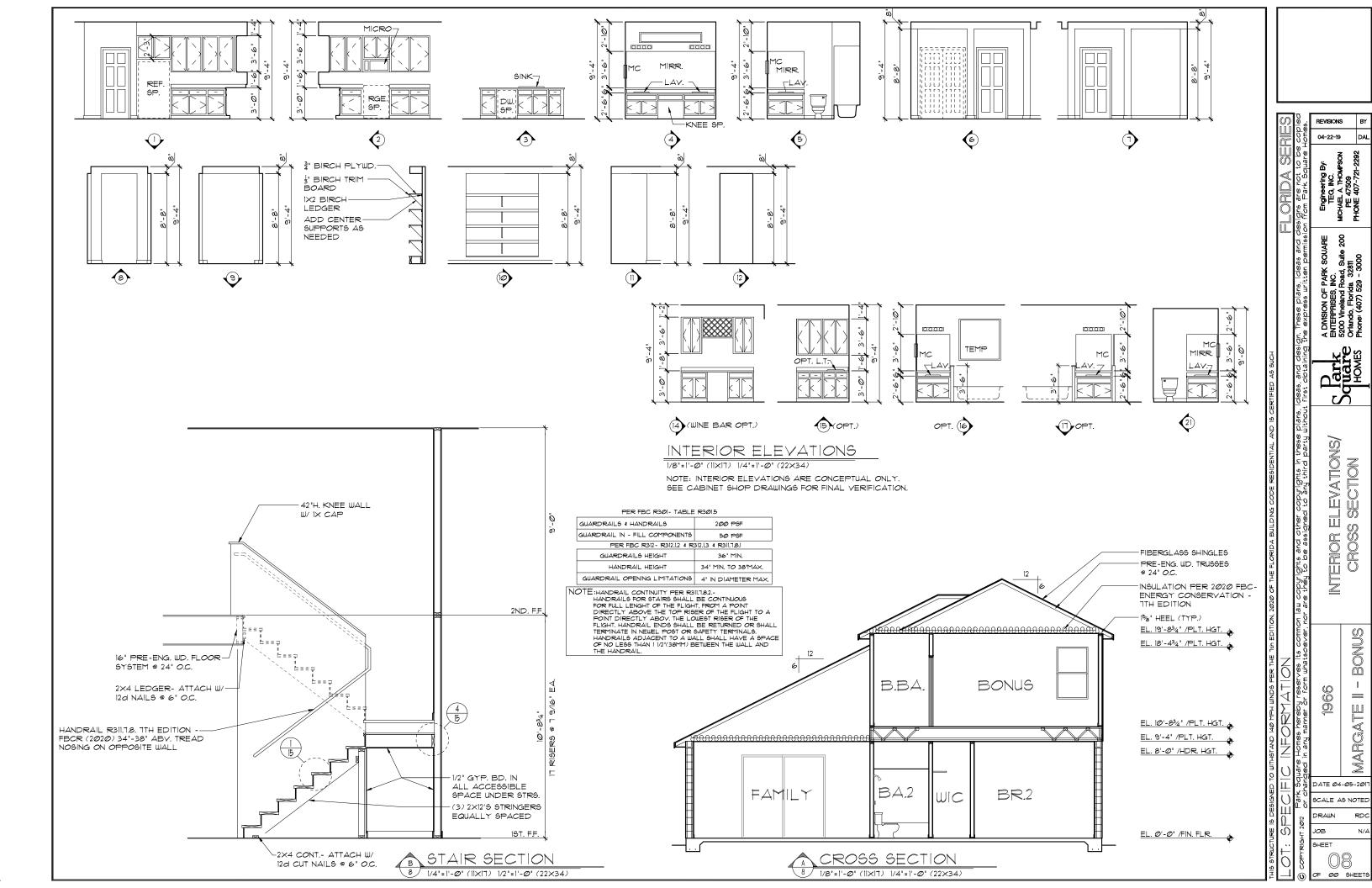












.) COMPLETE DUCT DESIGN W/ SIZES & R-VALUE COMPLYING W/ THE FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION 610.1 ABC.1

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

A) CHAPTER 13 OF THE FBC-R 2020 1TH SECTION

3.) AIR CONDITIONING SYSTEM SHALL BE COMPLETELY BALANCED. ALL ROOMS ISOLATED FROM THE RETURN AIR SHALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION MIGO2 OF THE FBCR CODE 2020 1TH 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

1.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS, SHALL BE INTERCONNECTED, SHALL BE WITHIN I' 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 4 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, TTH ED. P28Ø1.T

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,

#### 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

\$ SINGLE POLE SWITCH

OUT. 110-115, SPLIT WIRED

◆ OUT. 11Ø-115, CLG. MOUNT.

-OH LIGHT FIXT, WALL MTD. LIGHT FIXT., RECESSED

F LIGHT FIXT, REC. ADJUST.

LIGHT FIXT, EXT, FLOODS

LIGHT FIXT., EMERG, EXIT

IGHT FIXT., EXIT/BACKUF

SPCL. PURPOSE 220-240

\$ THREE WAY SWITCH

OUTLET 110-115

€ OUT. 11Ø-115. W/ USB

LEGEND

OUTLET, TV/CABLE

■ SMOKE DETECTOR

CM CARBON MONOXIDE

- EX. FAN/LIGHT COMBO

CEILING FAN, PREWIRE

[.] ELECT. JUNCTION BOX DT THERMOSTAT

DO DISCONNECT SWITCH

CEILING FAN, INSTALL

ELEC. POWER METER

ELECTRICAL PANEL

■ OUTLET, PHONE

☐ INTERCOM

☐ PUSH BUTTON

S EXHAUST FAN

(C) DISPOSAL

CHIMES

200AMP WP. BREAKER  *4/0 ALUM. 9.E.R. 200A-MAIN BREAKER @ NI INSIDE PANEL  *8 RMX TO RNG.  *10/3 TO DRYER  *10/2 TO W/H  A/C & A/H T.B.D.						
FEED BY UTILITY CO. INTERIOR PANEL						
INTERSYSTEM BONDING TERMINATION BOND *4 BARE COOPER WIRE TO FOUNDATION STEEL AS PER 2014 N.E.C. 250.52(AX3)						
ELECTRICAL RISER DIAGRAM						

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

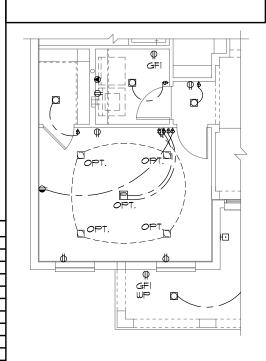
25052(A)(3) Concrete-Encased Electrode Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long.

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

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

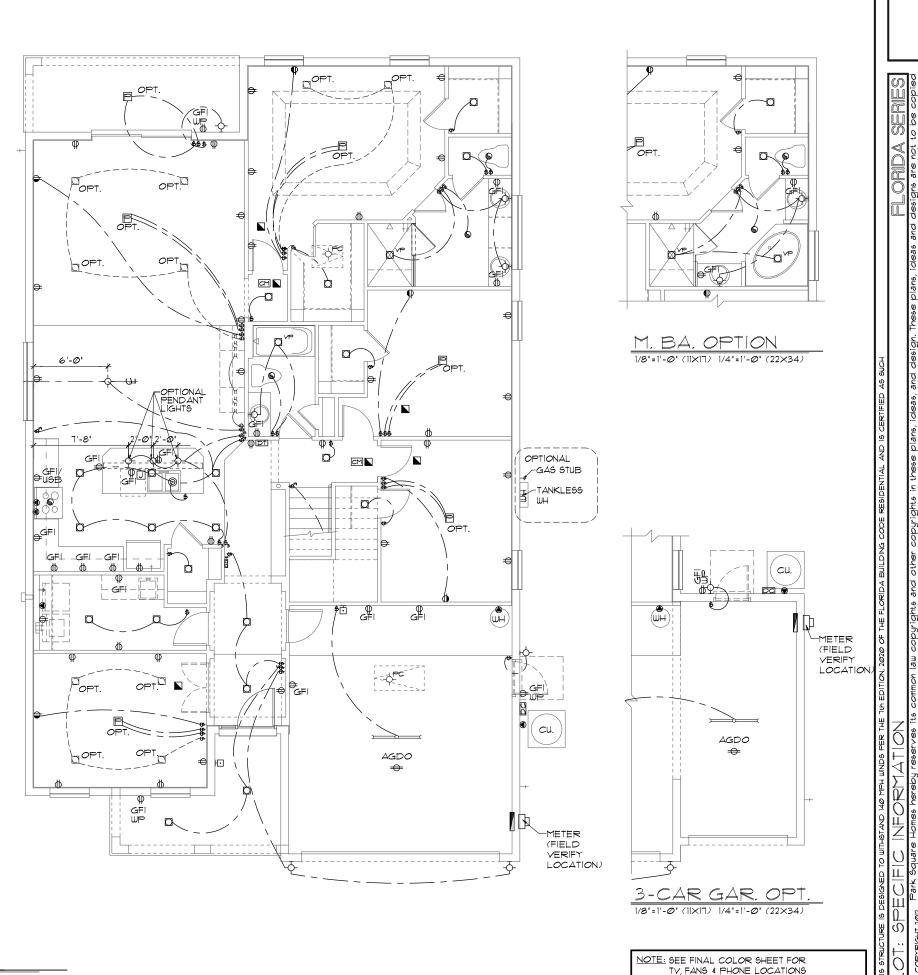
he steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive

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 o say a concrete-encased electrode must be used as a grounding electrode only if it is available. In those risdictions, 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 sinforcing rod is not required.



BEDROOM 4 OPT. |/8"=1'-@" (||X|T) |/4"=1'-@" (22X34)





04-22-19

BONUS

=

MARGATE

DATE **04-05-20**17

JOB

SHEET

盗

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 1TH SECTION MI305.1

3.) AIR CONDITIONING \$Y\$TEM \$HALL BE COMPLETELY BALANCED, ALL ROOMS ISOLATED FROM THE RETURN AIR \$HALL BE PROVIDED WITH MEANS TO COMPLY WITH SECTION MIGOZ OF THE FBCR CODE 2020 TTH 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 GFC!

1.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS, SHALL BE INTERCONNECTED, SHALL BE WITHIN I' TO 3' OF PEAK & SHALL BE 3' FROM THE SUPPLY OR RETURN AIRSTREAM & 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 IS! ABOVE GARAGE FLOOR UNLESS WATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT, IAW FBCR 2020, 1TH ED. P2801.1

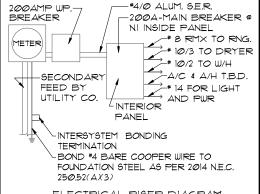
9.) ALL EQUIPMENT & APPLIANCES, INCLUDING WATER HEATERS HAVING AN IGNITION SOURCE TO BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS MINIMUM IS' ABOVE GARAGE FLOOR UNLESS IT IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT. IAW FBCR 2020, THE FD

#### |∅./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 LEGEND								
\$	SINGLE POLE SWITCH	$\overline{\bot}$	OUTLET, TV/CABLE					
\$3	THREE WAY SWITCH	•	OUTLET, PHONE					
$\oplus$	OUTLET 110-115	ŏ	INTERCOM					
<b>\$</b>	OUT. 110-115, SPLIT WIRED	00	CHIMES					
<b>⊕</b>	OUT. 110-115, W/ USB		SMOKE DETECTOR					
<b>#</b>	OUT. 110-115, CLG. MOUNT.	E	CARBON MONOXIDE					
$\ominus$	OUT. 110-115, FLR. MOUNT.	ŏ	PUSH BUTTON					
●	SPCL. PURPOSE 220-240	0	EXHAUST FAN					
$\Diamond$	LIGHT FIXT., CLG. MTD.	\$	EX. FAN/LIGHT COMBO					
<del></del>	LIGHT FIXT., WALL MTD.	0	DISPOSAL					
	LIGHT FIXT., RECESSED	ľ	ELECTRICAL PANEL					
E	LIGHT FIXT., REC. ADJUST.		CEILING FAN, PREWIRE					
Ą₽C	LIGHT FIXT., PULL CHAIN	Ш	CEILING FAN, INSTALL					
Ħ	LIGHT FIXT,FLUORESCENT	٦	ELECT. JUNCTION BOX					
44	LIGHT FIXT., EXT. FLOODS	DĪ	THERMOSTAT					
EXIT	LIGHT FIXT., EMERG. EXIT	D	DISCONNECT SWITCH					
	LIGHT FIXT., EXIT/BACKUP		ELEC. POWER METER					



#### ELECTRICAL RISER DIAGRAM

ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. CODE 25052(AXI) TO (6), LOCAL CODES, AND THE LOCAL POWER COMPANY.

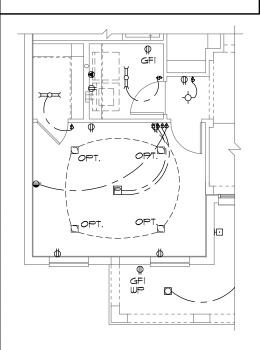
250.52(AX3) Concrete-Encased Electrode. Concrete-encased electrodes can be horizontal or vertical and must be at least 20 ft. long.

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.

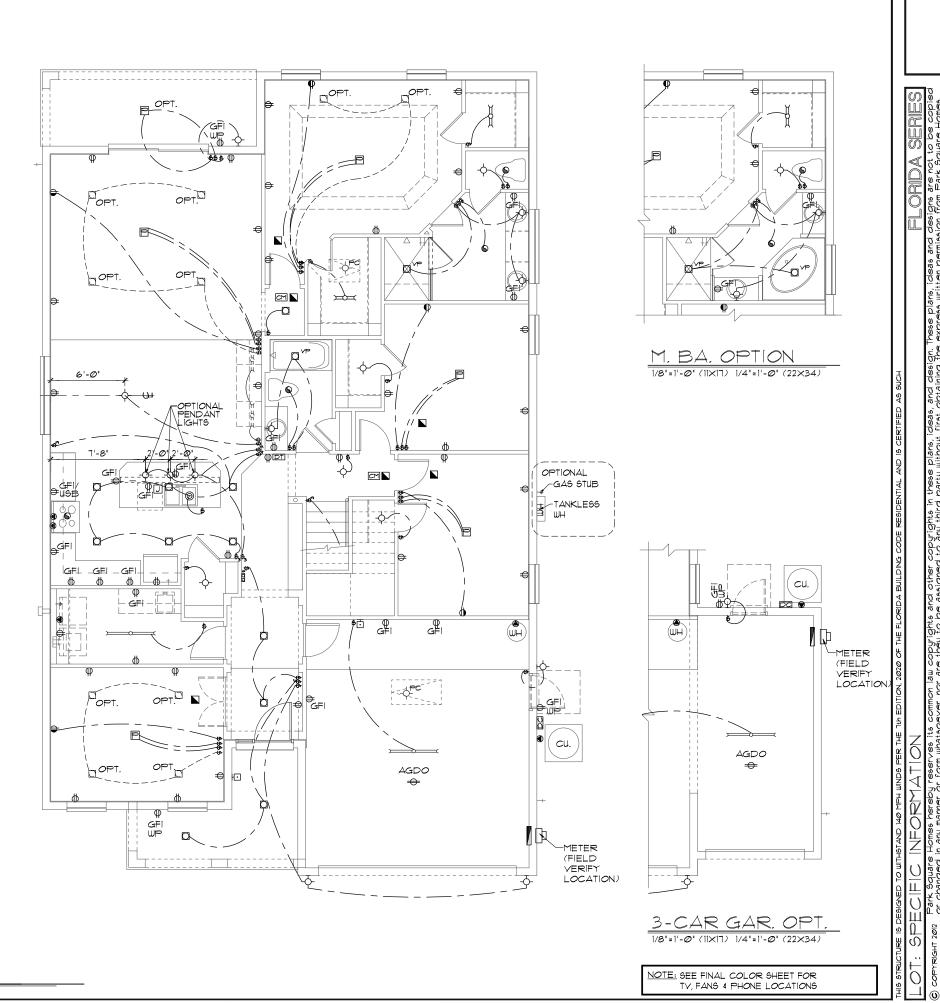
The steel reinforcing rods must be in a location that is in direct contact with the earth. The reinforcing rods can be connected with tie wires, and a single length of rod can be used as the concrete-encased electrode. The reinforcing rods cannot be coated with non-conductive material.

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BONUS

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MARGATE

DATE Ø4-Ø5-2ØIT

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

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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

1.) SMOKE ALARMS SHALL BE IN ALL SLEEPING AREAS SHALL BE INTERCONNECTED, SHALL BE WITHIN I' 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 E ALL ALARMS SOUND UPON ACTIVATION LAW FBCR R3143 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 EL COR UNI ESS IIIATER HEATER IS LISTED AS FLAMMABLE VAPOR IGNITION RESISTANT, IAW FBCR 2020, TTH ED. P28Ø1.7

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

ELECTRICAL

\$ SINGLE POLE SWITCH

OUT. 110-115, SPLIT WIRED

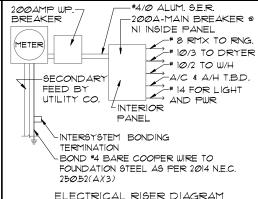
LIGHT FIXT., EMERG, EXIT

.IGHT FIXT., EXIT/BACKUP

\$ THREE WAY SWITCH

OUTLET 110-115

€ OUT, 110-115, W/ USB



ELECTRICAL RISER DIAGRAM

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

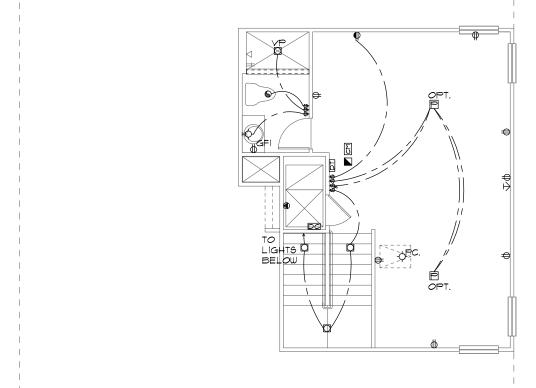
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.EGEND

OUTLET, TV/CABLE

■ SMOKE DETECTOR

ELEC. POWER METER

■ OUTLET, PHONE

☐ INTERCOM

CHIMES

ECTRICAL PLAN

1/8"=1'-@" (11×17) 1/4"=1'-@" (22×34)

NOTE: SEE FINAL COLOR SHEET FOR

BATH <u>S</u>

MARGATE DATE **04-05-20**17 SCALE AS NOTED

04-22-19

CTRICA ROOM

BONUS [

BONUS

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JOB SHEET

OF OO SHEETS

TV. FANS & PHONE LOCATIONS

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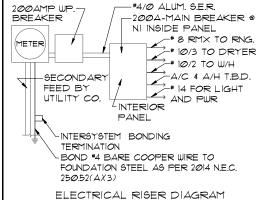
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ELECTRICAL



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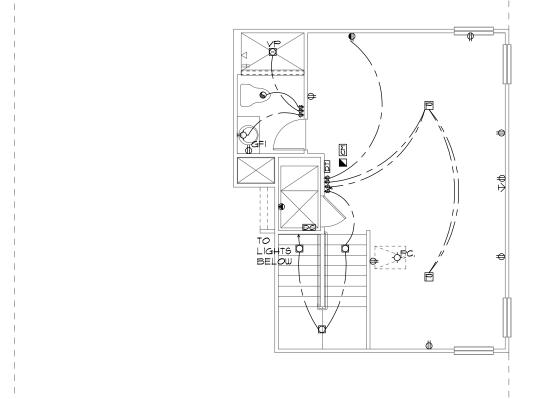
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\$ SINGLE POLE SWITCH OUTLET, TV/CABLE \$ THREE WAY SWITCH ■ OUTLET, PHONE OUTLET 110-115 ☐ INTERCOM OUT. 110-115, SPLIT WIRED CHIMES € OUT. 11Ø-115. W/ USB ■ SMOKE DETECTOR → OUT. 11Ø-115, CLG. MOUNT. CM CARBON MONOXIDE ☐H PUSH BUTTON SPCL, PURPOSE 220-240 - EX. FAN/LIGHT COMBO OH LIGHT FIXT, WALL MTD. O DISPOSAL LIGHT FIXT., RECESSED ELECTRICAL PANEL E LIGHT FIXT., REC. ADJUST. P CEILING FAN, PREWIRE CEILING FAN, INSTALL [] ELECT, JUNCTION BOX OUT LIGHT FIXT.FLUORESCENT DT THERMOSTAT LIGHT FIXT, EXT, FLOODS DO DISCONNECT SWITCH LIGHT FIXT., EMERG. EXIT IGHT FIXT., EXIT/BACKUF ELEC. POWER METER

LEGEND

ECTRICAL PLAN

1/8"=1'-@" (11×17) 1/4"=1'-@" (22×34)

<u>NOTE:</u> SEE FINAL COLOR SHEET FOR TY, FANS & PHONE LOCATIONS

04-22-19 盗

CTRICAL ROOM Ĭ BONUS |

BONUS

MARGATE

DATE **04-05-20**17 SCALE AS NOTED

JOB SHEET

BATH

/SONO

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ELECTRICAL

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OUT. 110-115, SPLIT WIRED

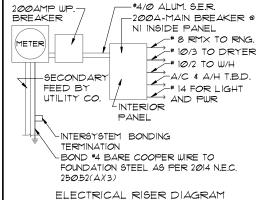
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\$ THREE WAY SWITCH

OUTLET 110-115

€ OUT, 110-115, W/ USB



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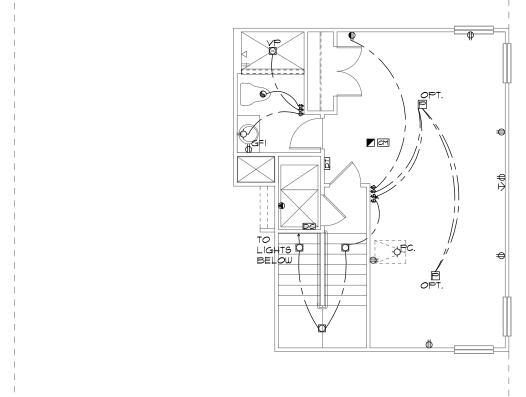
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.EGEND

OUTLET, TV/CABLE

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ELEC. POWER METER

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☐ INTERCOM

CHIMES

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04-22-19

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BONUS

MARGATE

DATE **04-05-20**17 SCALE AS NOTED

JOB SHEET

OO SHEETS

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ELECTRICAL

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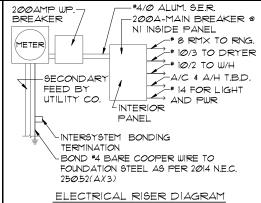
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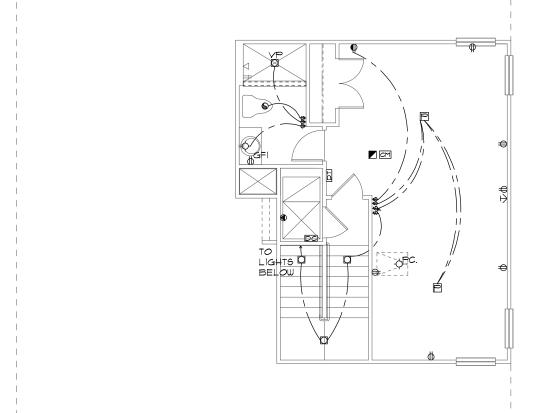
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LEGEND

OUTLET, TV/CABLE

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☐ INTERCOM

CHIMES

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CTRIC/ HOOM Ĭ BONUS |

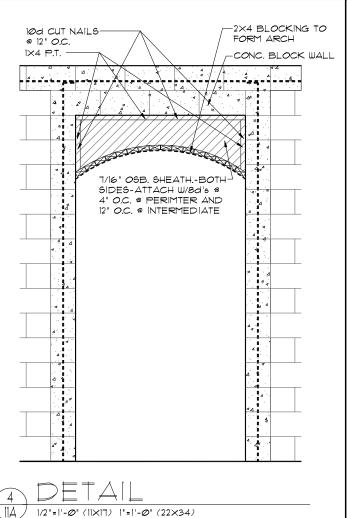
BONUS 

MARGATE

DATE **04-05-20**17 SCALE AS NOTED

JOB SHEET

OO SHEETS



PER FBC2020 1TH EDITION R806: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER

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

TOTAL VENTED SPACE: 3,055 S.F. = 10.18 S.F. NET FREE VENT.

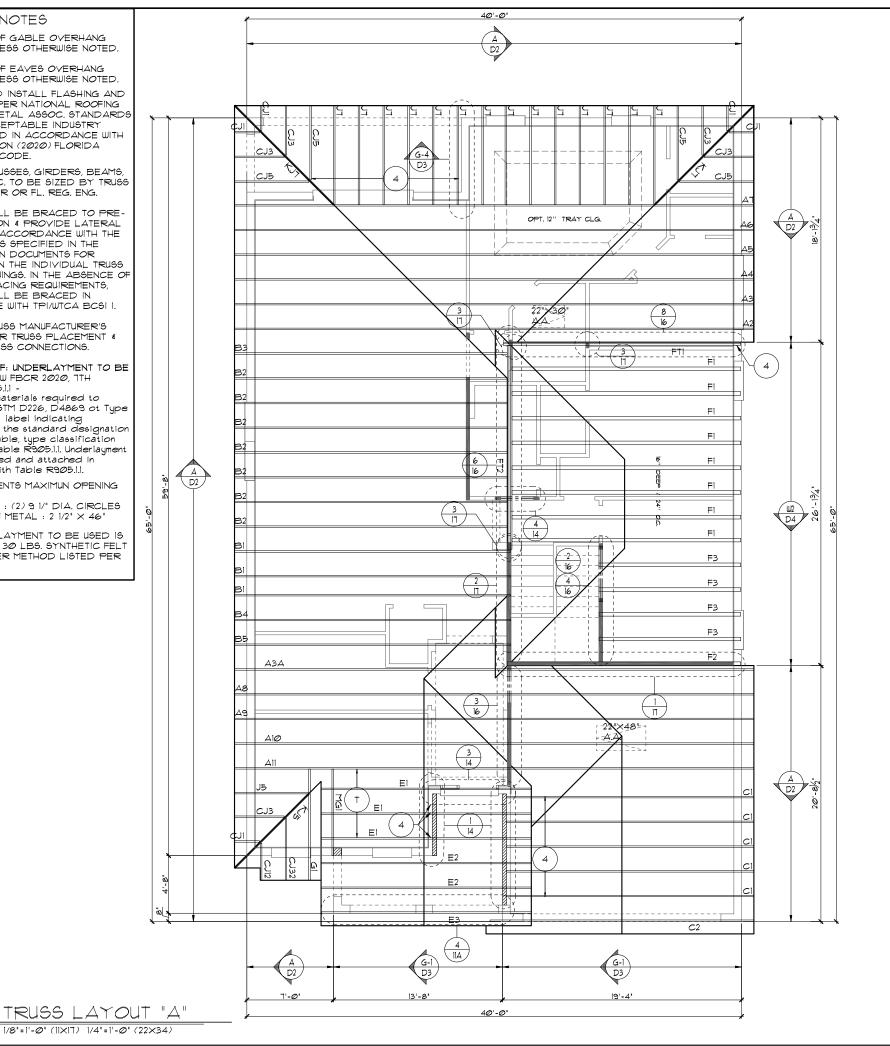
UPPER PORTION VENTILATION TOTAL:---- 4.79 S.F. PROVIDED WOFF RIDGE VENTS: 6 VENTS 0.798 S.F. /VENT. (VENT TYPE: LOMANCO MODEL 170-D OR MILLENNIUM

LOWER PORTION VENTILATION TOTAL:---- 19.48 S.F. PROVIDED W/ VENTILATED SOFFITS @ EAVE:--( 224 L.F. @ 0.087 S.F. VENTING PER L.F.)

UPPER PORTION PERCENTAGE: 47% LOWER PORTION PERCENTAGE: 53%

#### NOTES

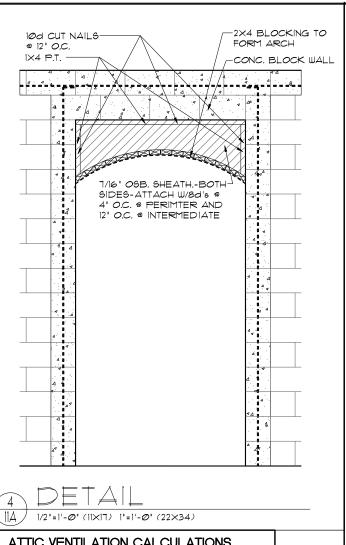
- TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- 2. TYPICAL ROOF EAVES OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC. STANDARDS AND/ OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH THE 1TH EDITION (2020) FLORIDA RESIDENTIAL CODE.
- 4. ALL ROOF TRUSSES, GIRDERS, BEAMS, HEADERS, ETC. TO BE SIZED BY TRUSS MANUFACTURER OR FL. REG. ENG.
- TRUSSES SHALL BE BRACED TO PRE-VENT 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
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- 8. OFF RIDGE VENTS MAXIMUN OPENING
- LOMANCO: (2) 9 1/" DIA. CIRCLES MILLENIUM METAL : 2 1/2" × 46"
- ROOF UNDERLAYMENT TO BE USED IS 2 LAYERS OF 30 LBS. SYNTHETIC FELT OR ANY OTHER METHOD LISTED PER FBC R905.1.1.1



04-22-19 ä BONUS MARGATE DATE **04-05-20**17 SCALE AS NOTED

JOB SHEET

OF ØØ SHEETS



PER FBC2020 1TH 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: 3.055 S.F. = 10.18 S.F. NET FREE VENT.

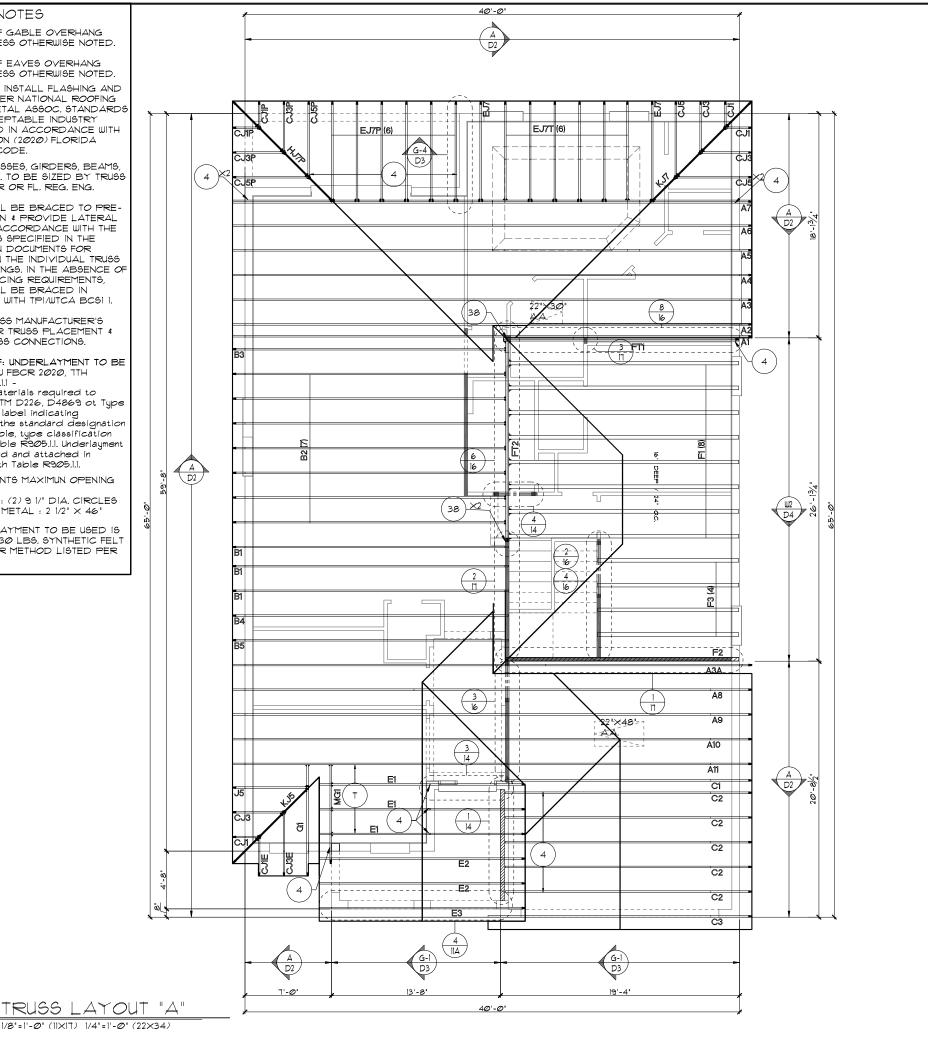
UPPER PORTION VENTILATION TOTAL:---- 4.79 S.F. PROVIDED WOFF RIDGE VENTS: 6 VENTS @.798 S.F. /VENT. (VENT TYPE: LOMANCO MODEL 170-D OR MILLENNIUM

LOUER PORTION VENTILATION TOTAL:----- 19.48 S.F. PROVIDED W/ VENTILATED SOFFITS @ EAVE:-- ( 224 L.F. @ 0.087 S.F. VENTING PER L.F.)

UPPER PORTION PERCENTAGE: 47% LOWER PORTION PERCENTAGE: 53%

### NOTES

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04-22-19

BONUS

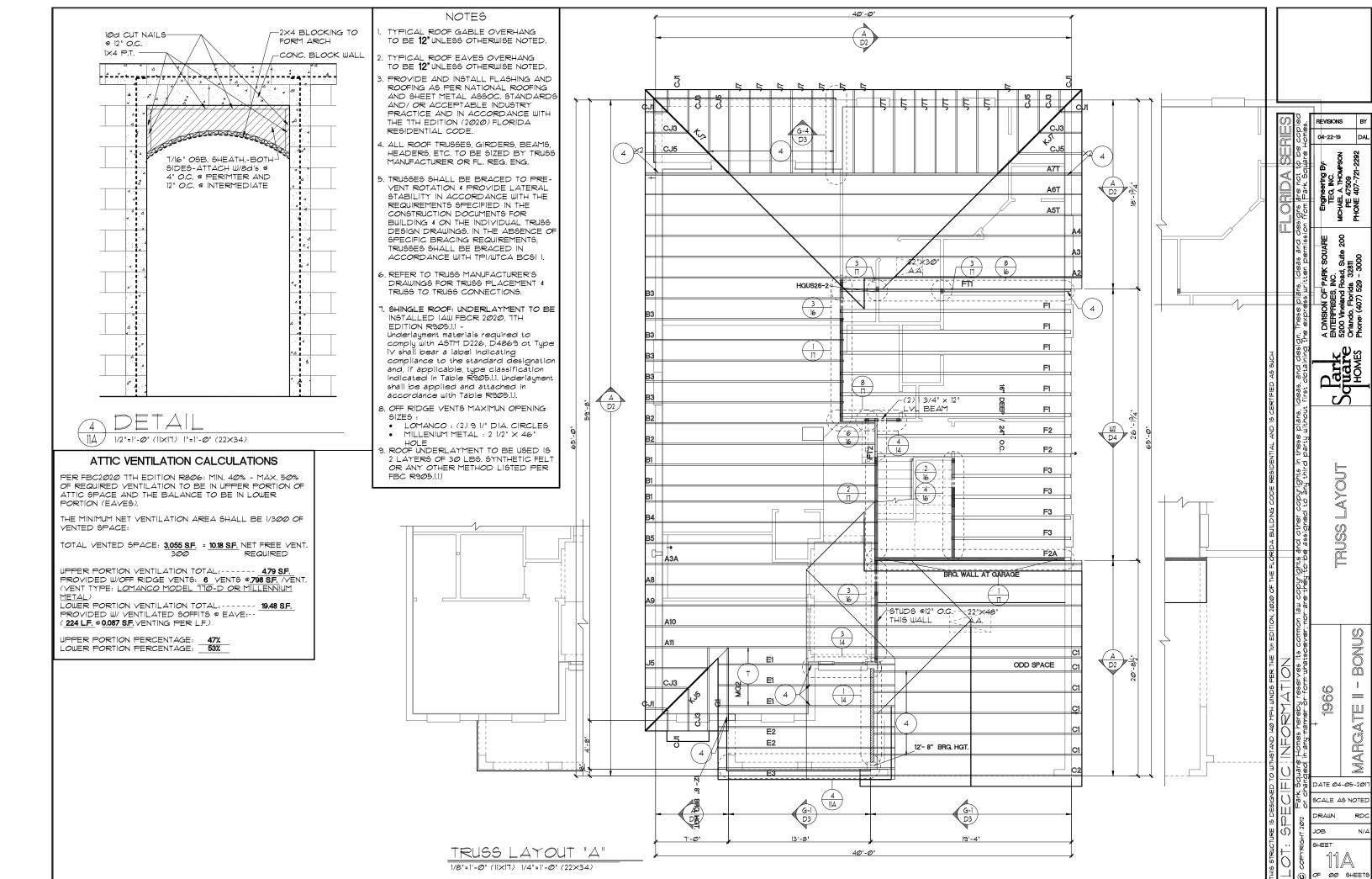
MARGATE II

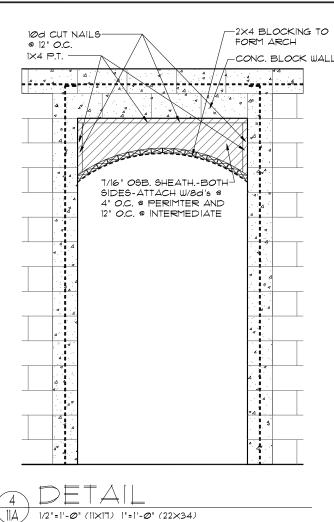
SCALE AS NOTED

ØØ SHEETS

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1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)





PER FBC2020 1TH EDITION R806: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER

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

TOTAL VENTED SPACE: 3,055 S.F. = 10.18 S.F. NET FREE VENT.

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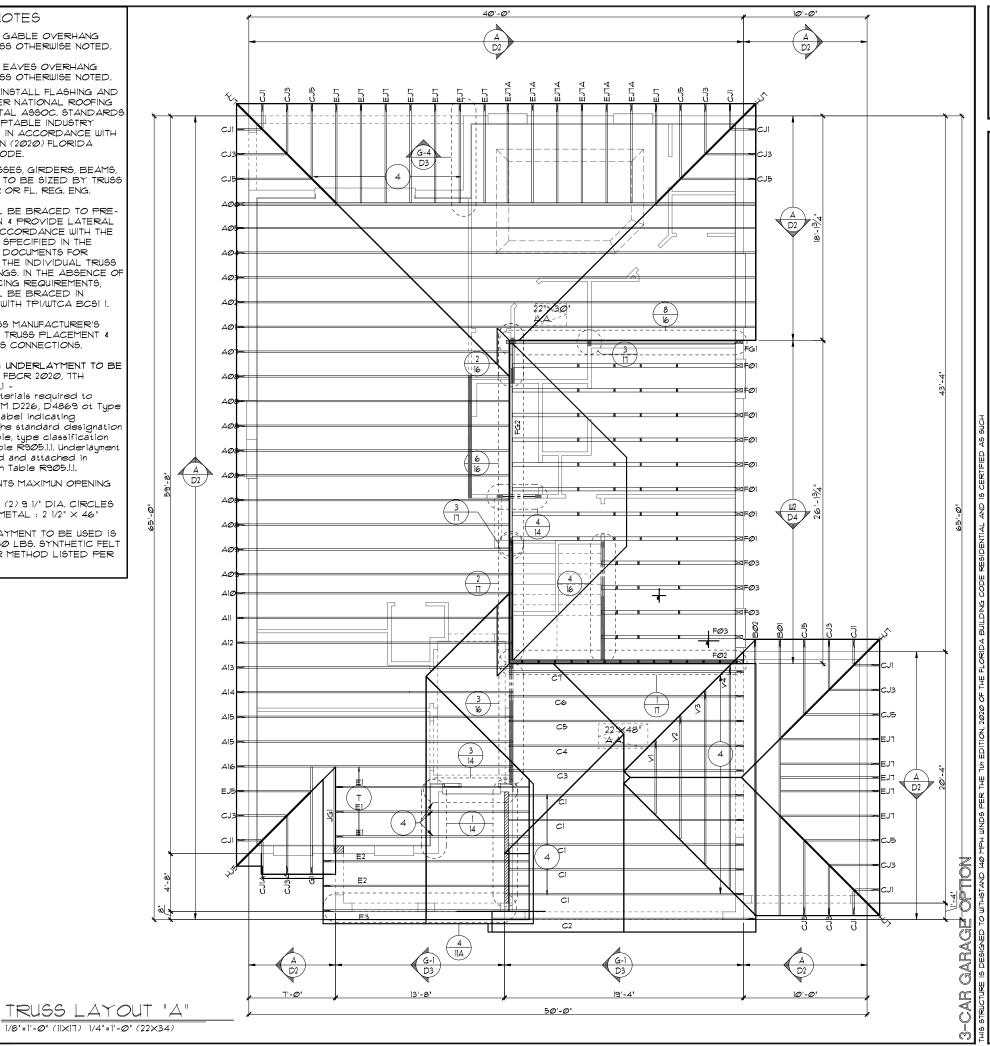
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Engineering By: TEG, INC. MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

BONUS

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MARGATE

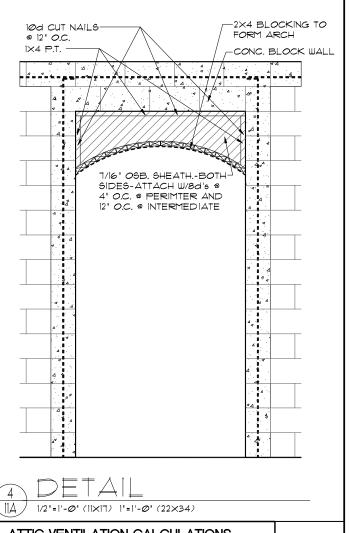
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SCALE AS NOTED

JOB

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996



PER FBC2020 1TH 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).

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TOTAL VENTED SPACE: 3,055 S.F. = 10.18 S.F. NET FREE VENT. REQUIRED

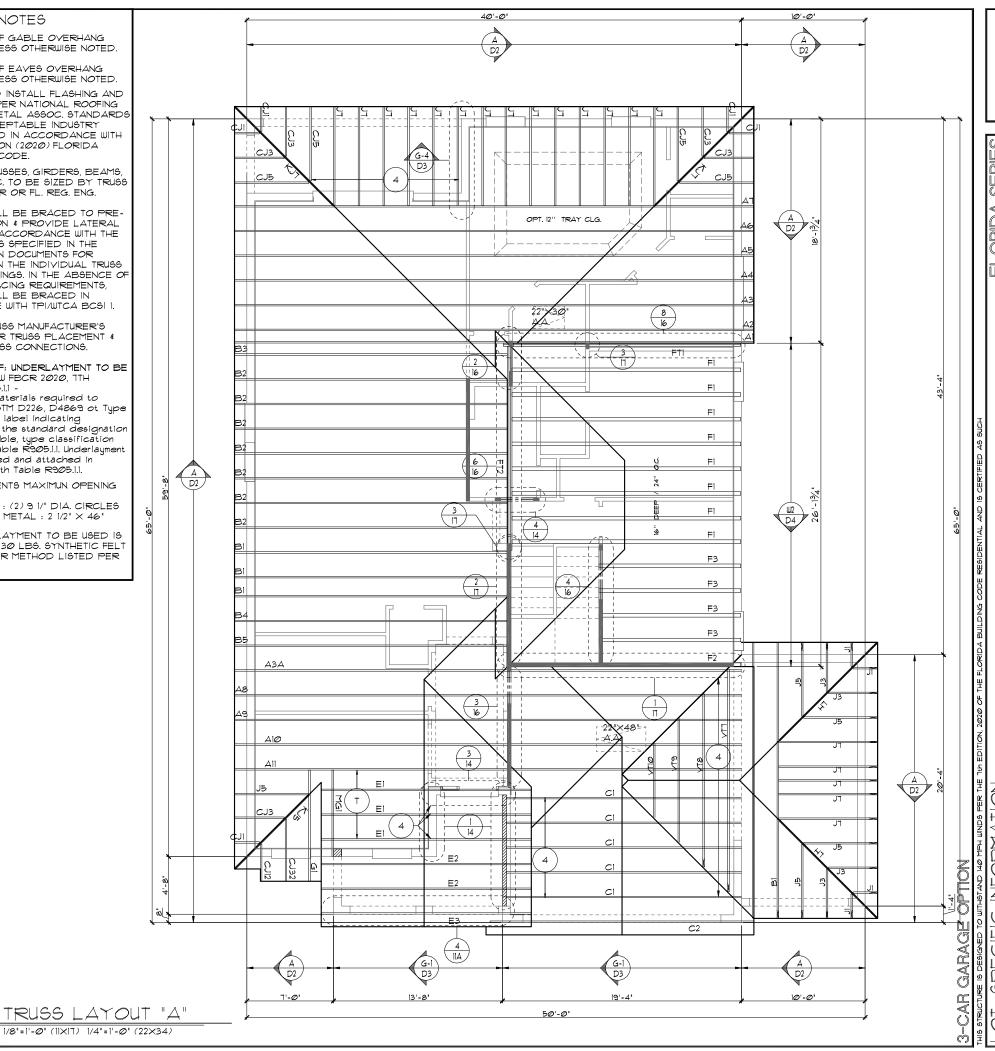
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LOWER PORTION VENTILATION TOTAL:---- 19.48 S.F. PROVIDED W/ VENTILATED SOFFITS @ EAVE:--( 224 L.F. @ 0.087 S.F. VENTING PER L.F.)

UPPER PORTION PERCENTAGE: 47% LOWER PORTION PERCENTAGE: 53%

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04-22-19

Engineering By: TEG, INC. MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

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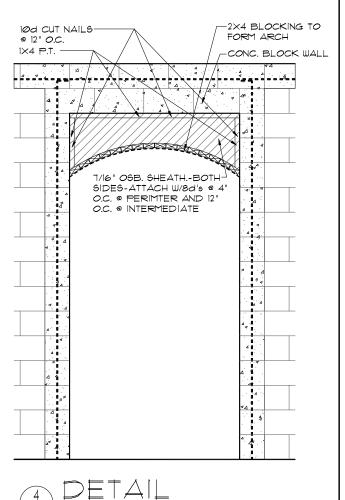
SCALE AS NOTED

OF ØØ SHEETS

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1966



1/2"=1'-@" (11×17) 1"=1'-@" (22×34)

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

TOTAL VENTED SPACE:  $\frac{3,055 \text{ S.F.}}{300} = \frac{10.18 \text{ S.F.}}{\text{REQUIRED}}$  NET FREE VENT.

UPPER PORTION VENTILATION TOTAL:----- 4.79 S.F. PROVIDED W/OFF RIDGE VENTS: 6 VENTS @,798 S.F. /VENT. (VENT TYPE: LOMANCO MODEL TIØ-D OR MILLENNIUM METAL)

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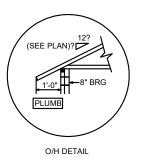
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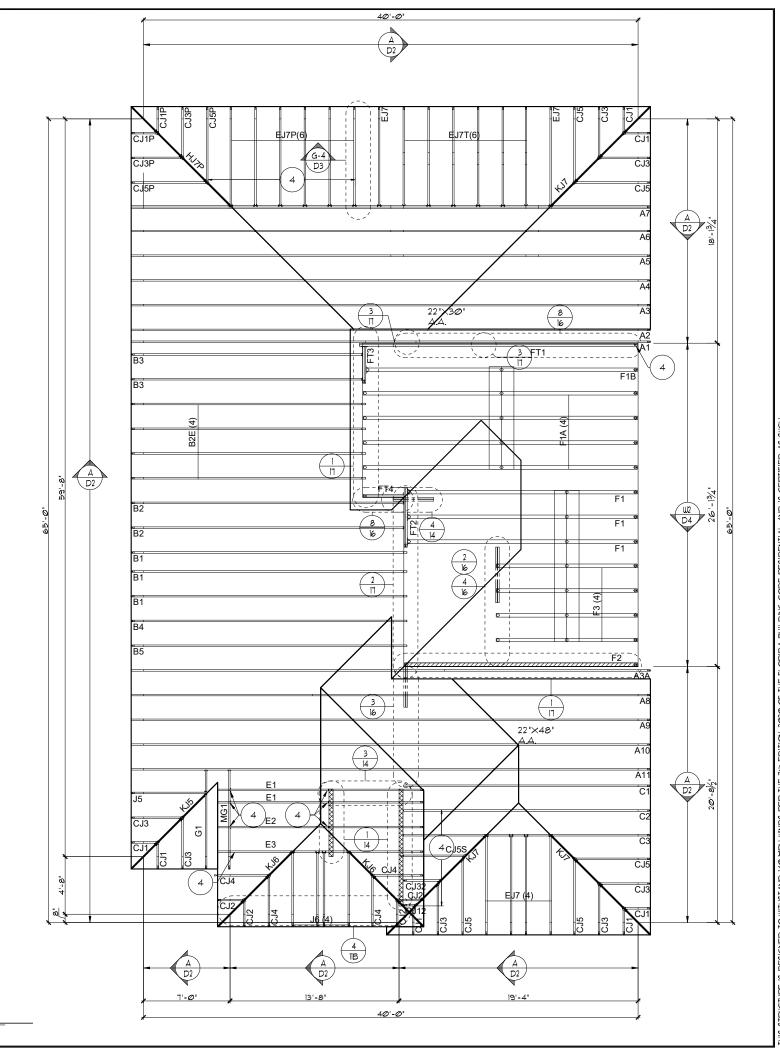
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  OR ANY OTHER METHOD LISTED PER
  FBC R905.I.I.I

Truss Connector Total List					
Product	Qty				
HHUS26-2	1				
HHUS46	4				
HTU26-2	1				
HUS26	6				
LUS24	3				
	Product HHUS26-2 HHUS46 HTU26-2 HUS26				





04-22-19

Engineering By: TEG, INC MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

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DATE **04-05-20**17

SCALE AS NOTED

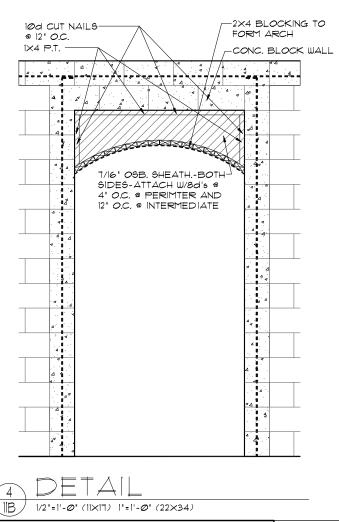
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TRUSS LAYOUT "B



PER FBC2020 1TH EDITION R806: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER

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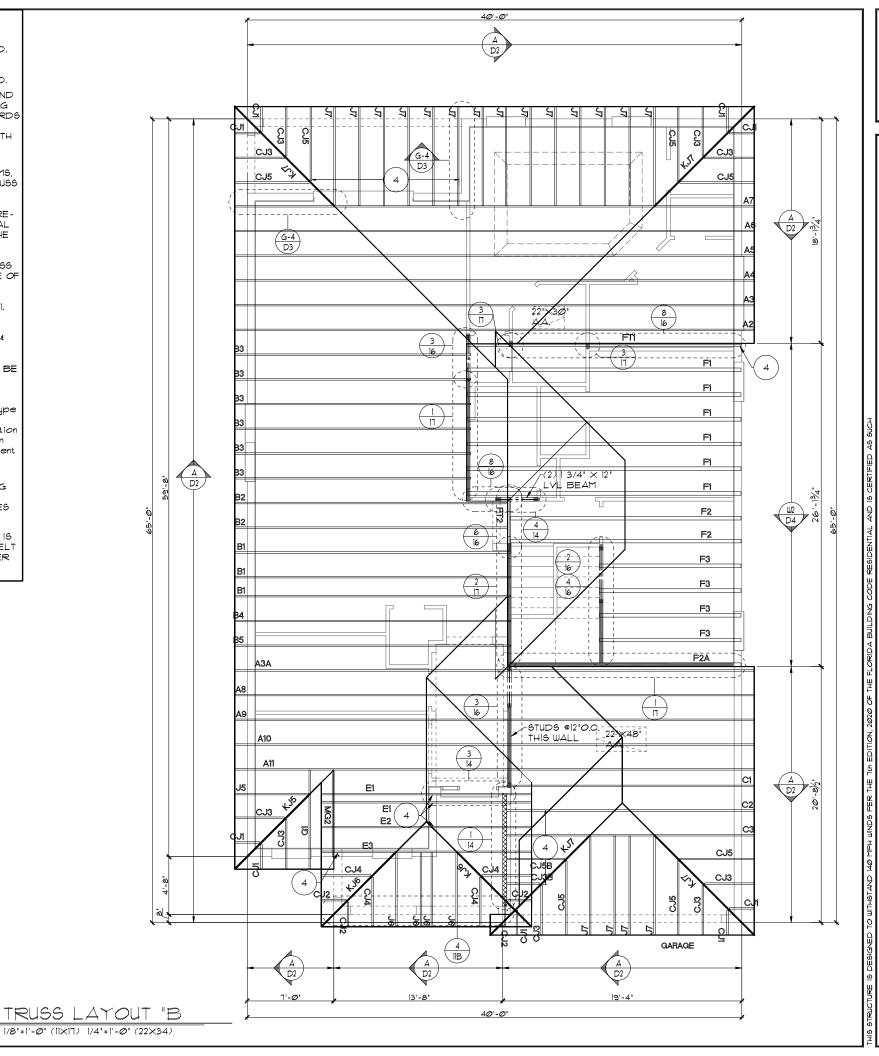
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04-22-19 Engineering By: TEG, INC. MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

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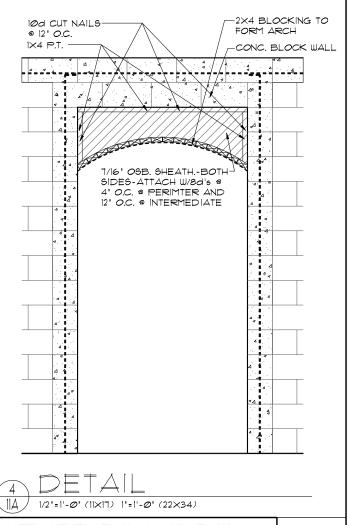
MARGATE DATE Ø4-Ø5-2ØIT SCALE AS NOTED

BONUS

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JOB SHEET

OF ØØ SHEETS



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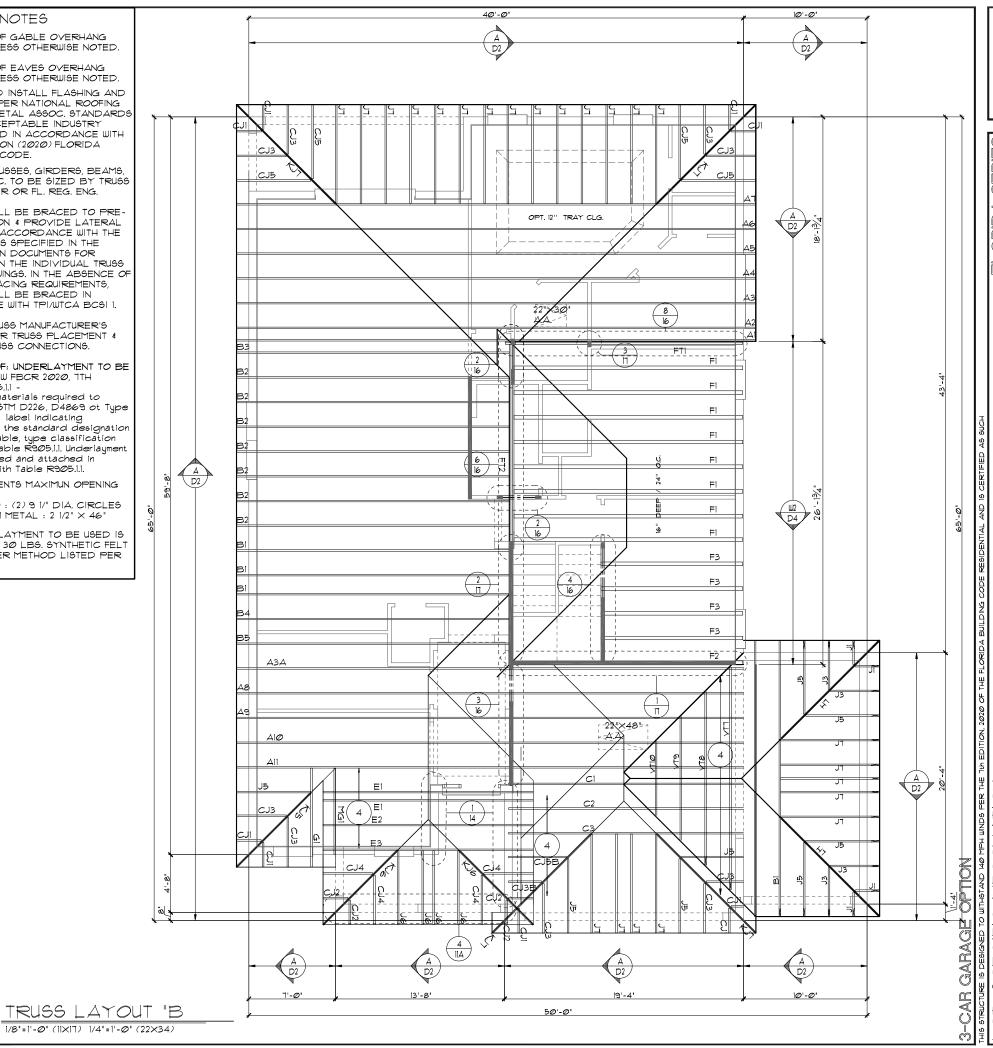
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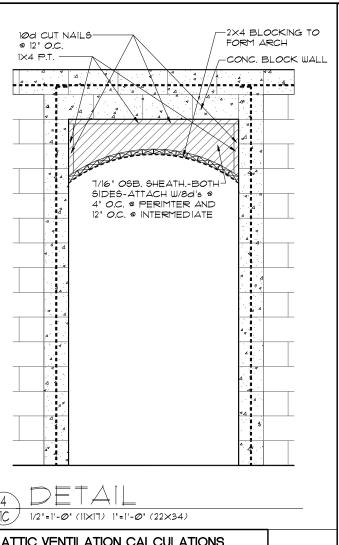
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SCALE AS NOTED

JOB

SHEET

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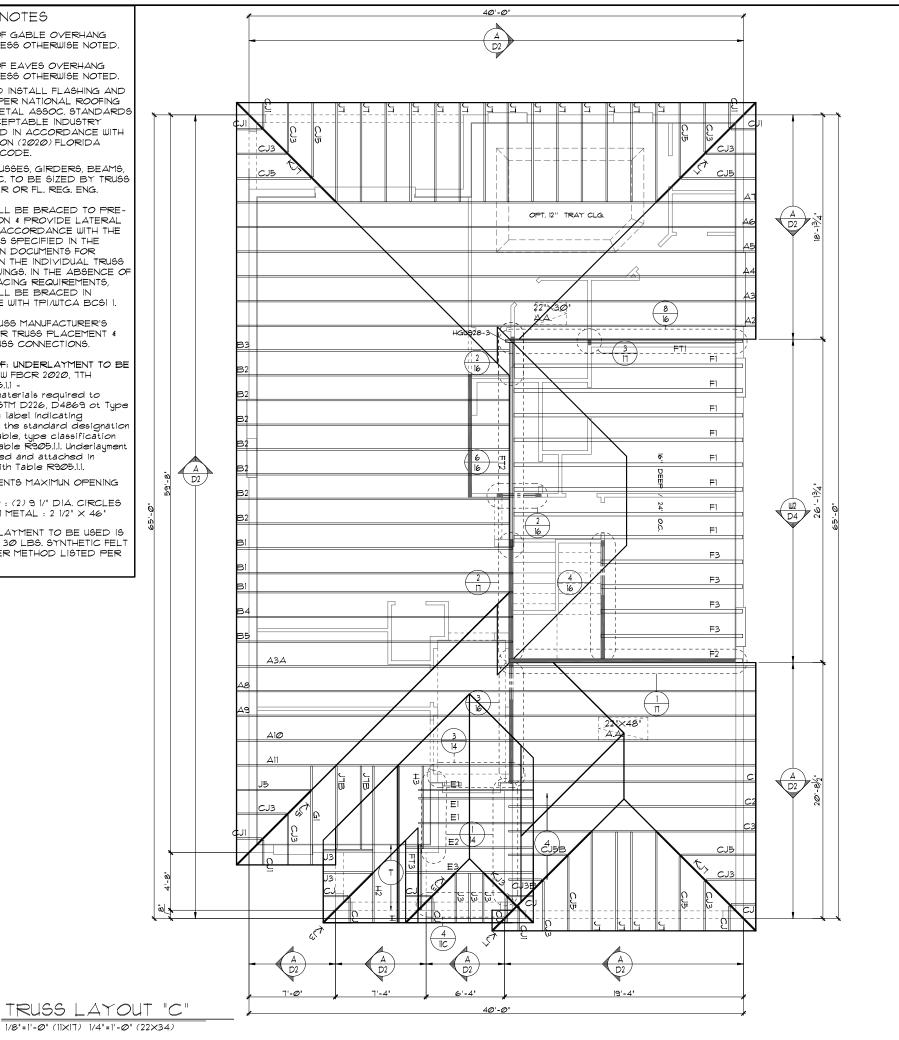
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04-22-19 Ä Engineering By TEG, INC. MICHAEL A. THOMPY PE 47509 PHONE 407-721-2

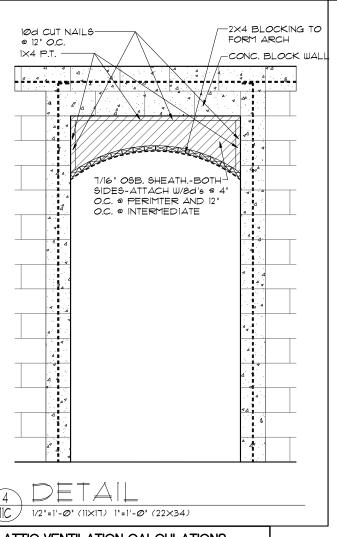
MARGATE DATE **04-05-20**17 SCALE AS NOTED

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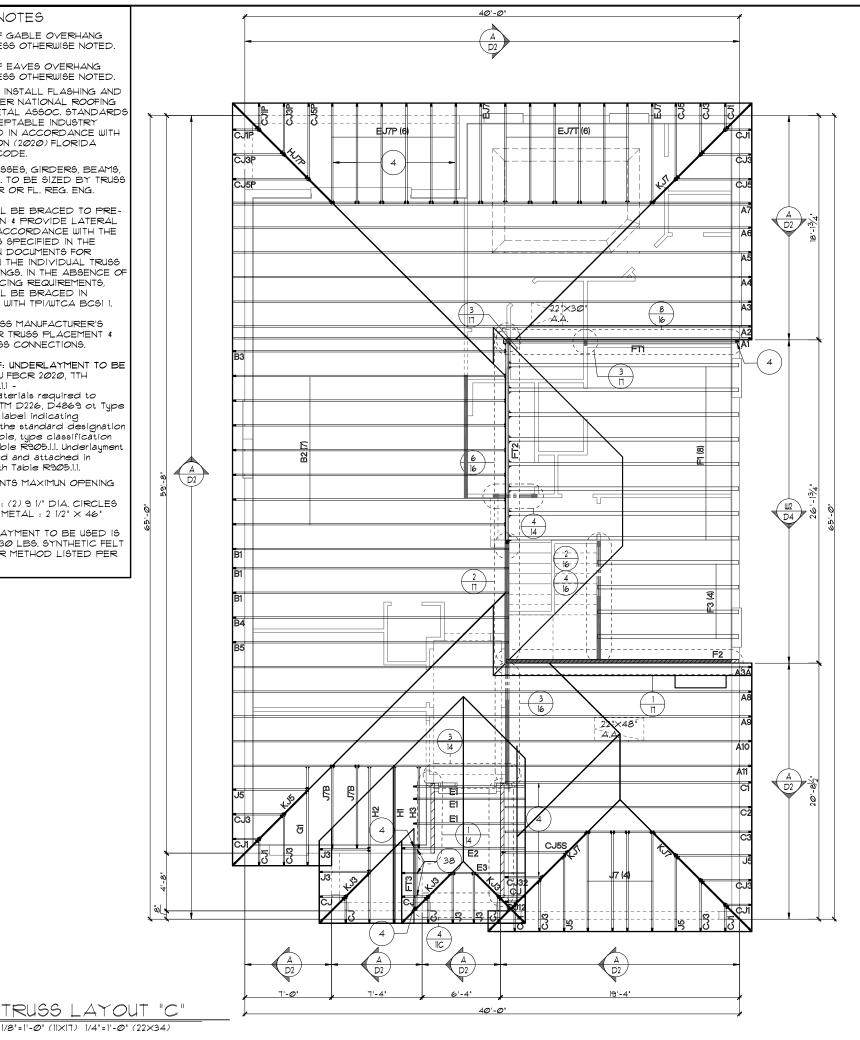
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UPPER PORTION PERCENTAGE: 47% LOWER PORTION PERCENTAGE: 53%

#### NOTES

- TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- 2. TYPICAL ROOF EAVES OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- PROVIDE AND INSTALL FLASHING AND ROOFING AS PER NATIONAL ROOFING AND SHEET METAL ASSOC. STANDARDS AND/ OR ACCEPTABLE INDUSTRY PRACTICE AND IN ACCORDANCE WITH THE 1TH 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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- 8. OFF RIDGE VENTS MAXIMUN OPENING SIZES :
- LOMANCO: (2) 9 1/" DIA. CIRCLES
- MILLENIUM METAL : 2 1/2" × 46"
- ROOF UNDERLAYMENT TO BE USED IS 2 LAYERS OF 30 LBS. SYNTHETIC FELT OR ANY OTHER METHOD LISTED PER FBC R905.1.1.1



04-22-19

Engineering By: TEG, INC. MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

BONUS 

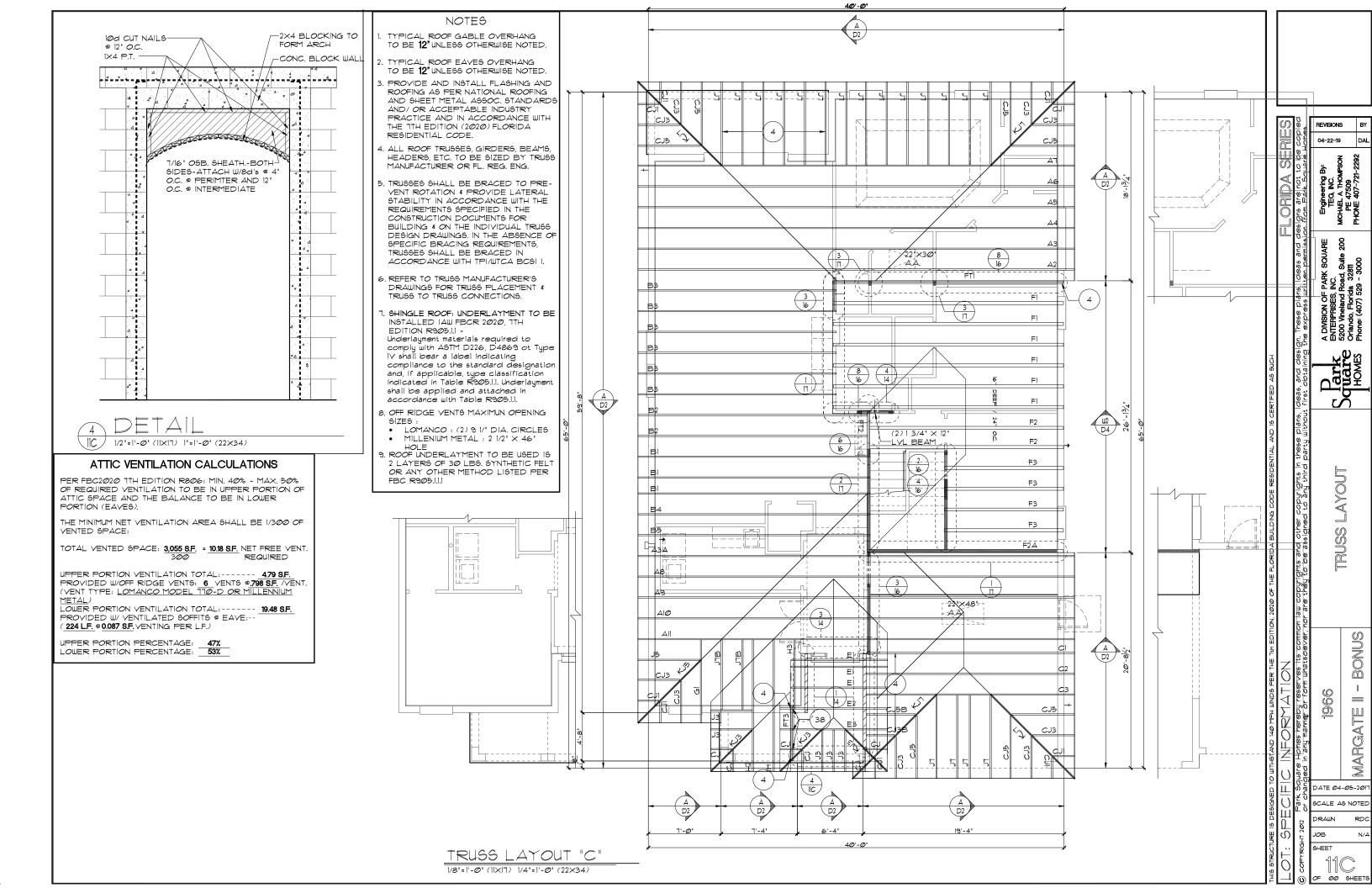
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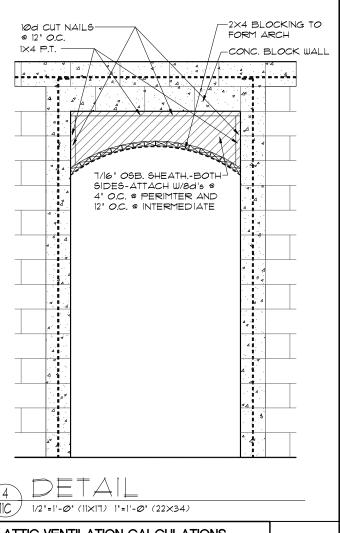
DATE **04-05-20**17 SCALE AS NOTED

ØØ SHEETS

SHEET

1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)





PER FBC2020 1TH EDITION R806: MIN. 40% - MAX. 50% OF REQUIRED VENTILATION TO BE IN UPPER PORTION OF ATTIC SPACE AND THE BALANCE TO BE IN LOWER

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

TOTAL VENTED SPACE: 3,055 S.F. = 10.18 S.F. NET FREE VENT.

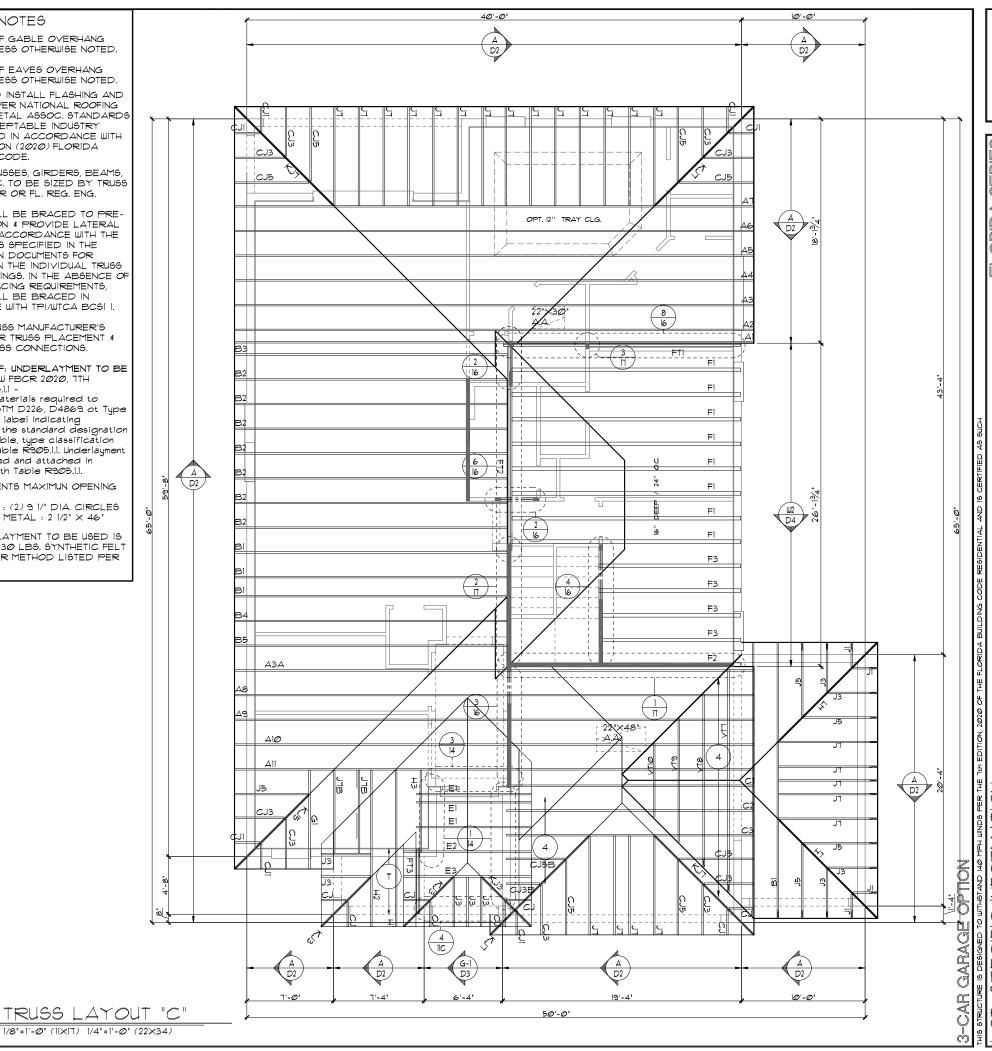
UPPER PORTION VENTILATION TOTAL:---- 4.79 S.F. PROVIDED WOFF RIDGE VENTS: 6 VENTS @ 798 S.F. /VENT. (VENT TYPE: LOMANCO MODEL TTO-D OR MILLENNIUM METAL)

LOWER PORTION VENTILATION TOTAL:---- 19.48 S.F. PROVIDED W/ VENTILATED SOFFITS @ EAVE:--( 224 L.F. @ 0.087 S.F. VENTING PER L.F.)

UPPER PORTION PERCENTAGE: 47% LOWER PORTION PERCENTAGE: 53%

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04-22-19

Engineering By TEG, INC. MICHAEL A. THOMPS PE 47509 PHONE 407-721-2:

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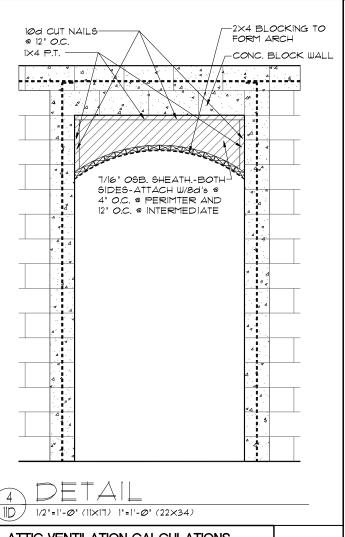
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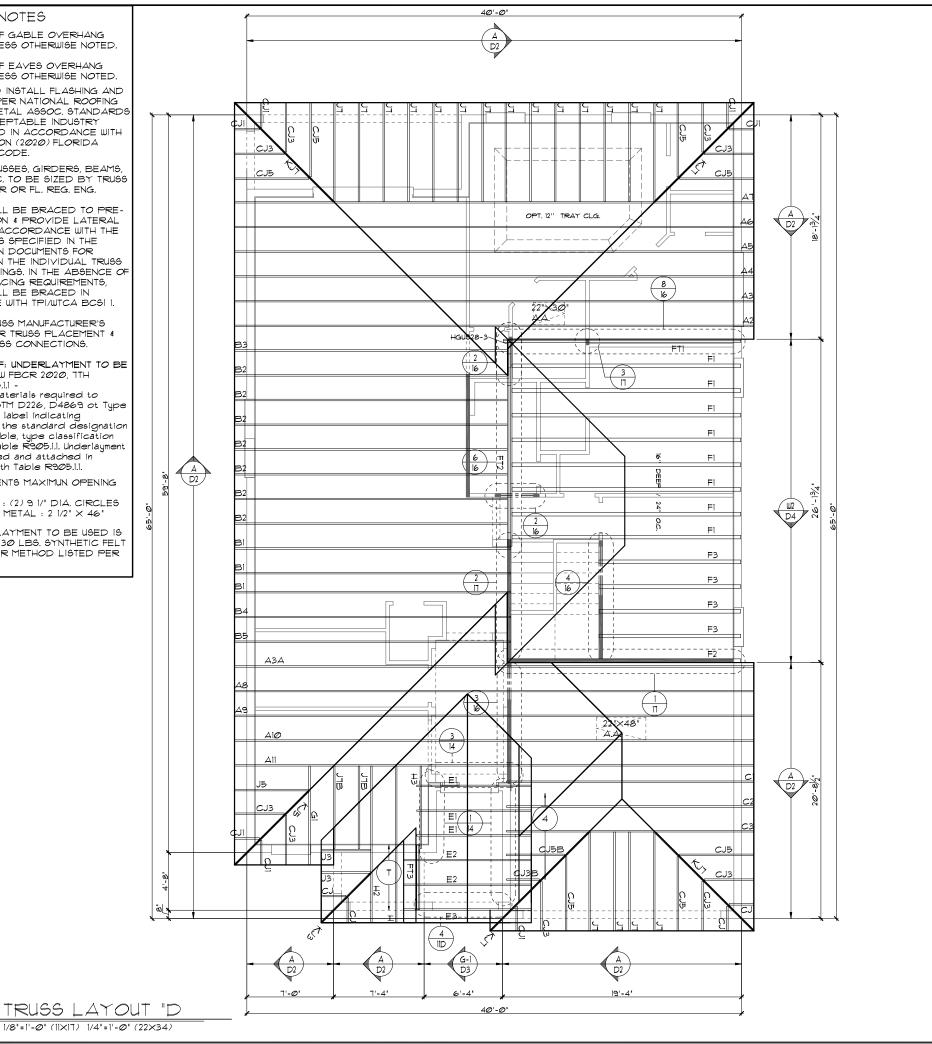
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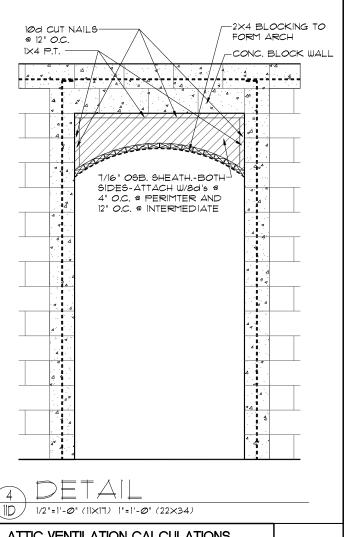
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MARGATE DATE **04-05-20**17 SCALE AS NOTED

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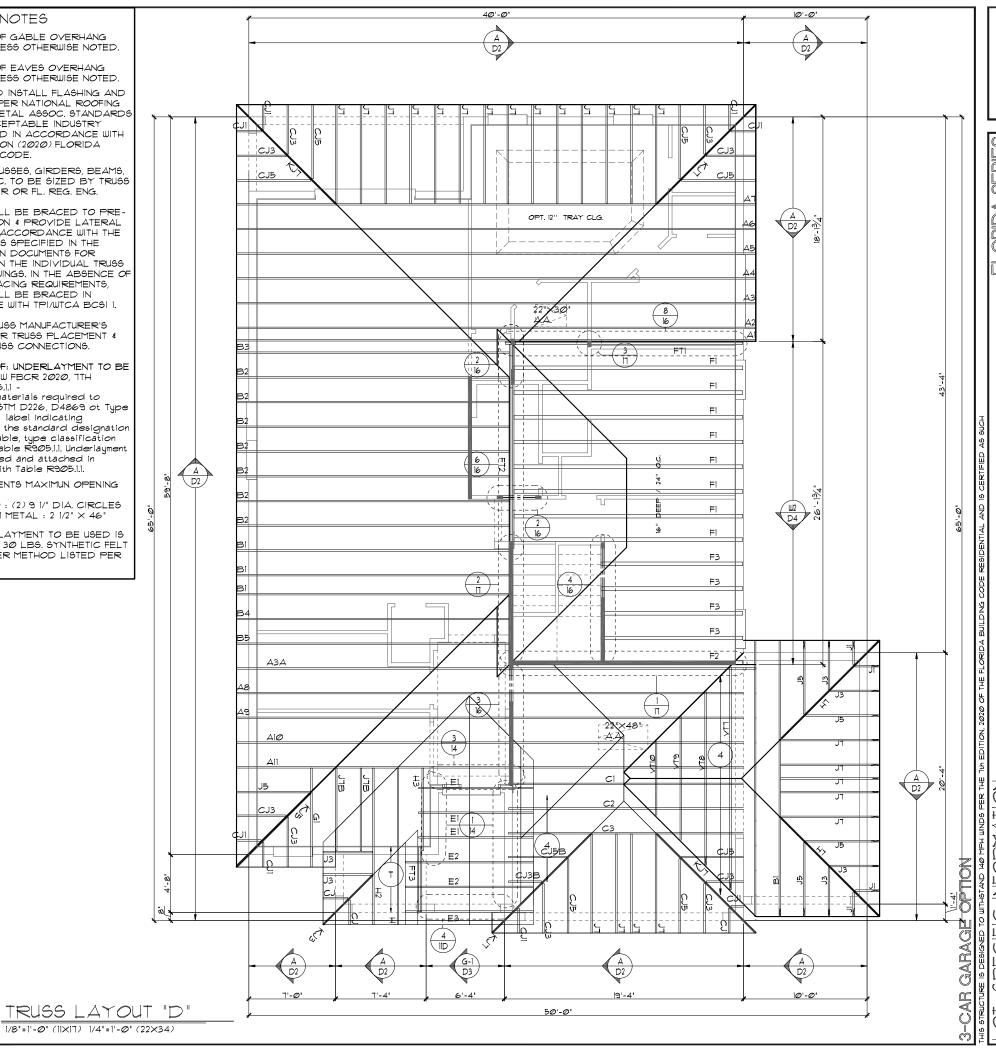
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04-22-19

Engineering By: TEG, INC MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

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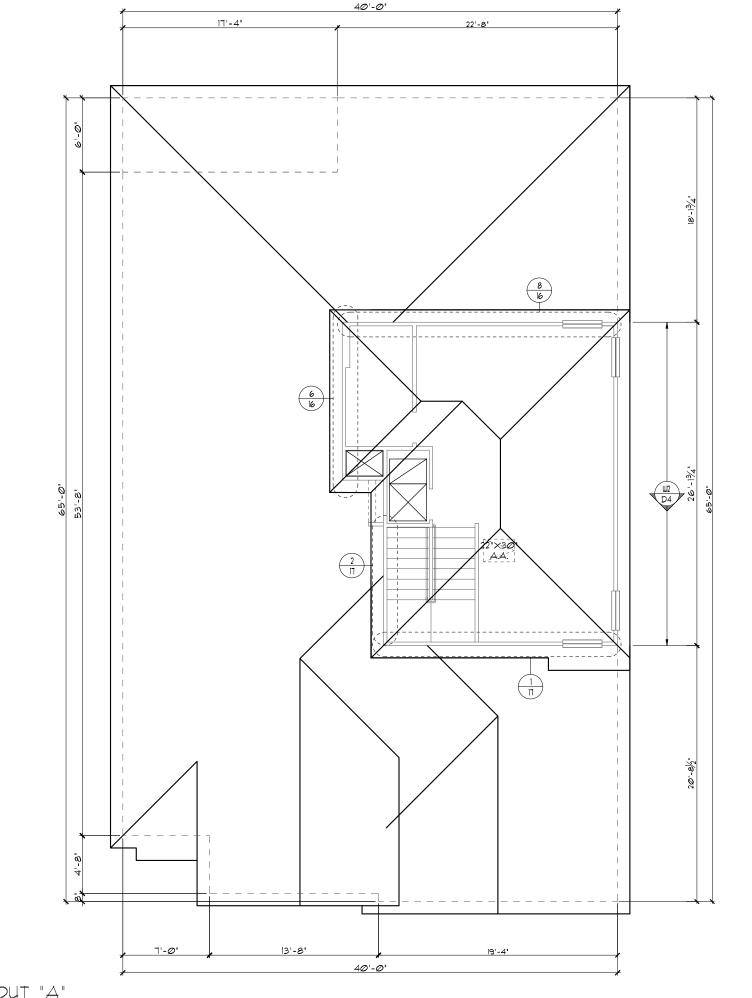
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UPPER TRUSS LAYOUT "A"

1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)

LAYOUT IPPER TRUSS LA BONUS ROOM ( UPPER

Engineering By: TEG, INC. MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

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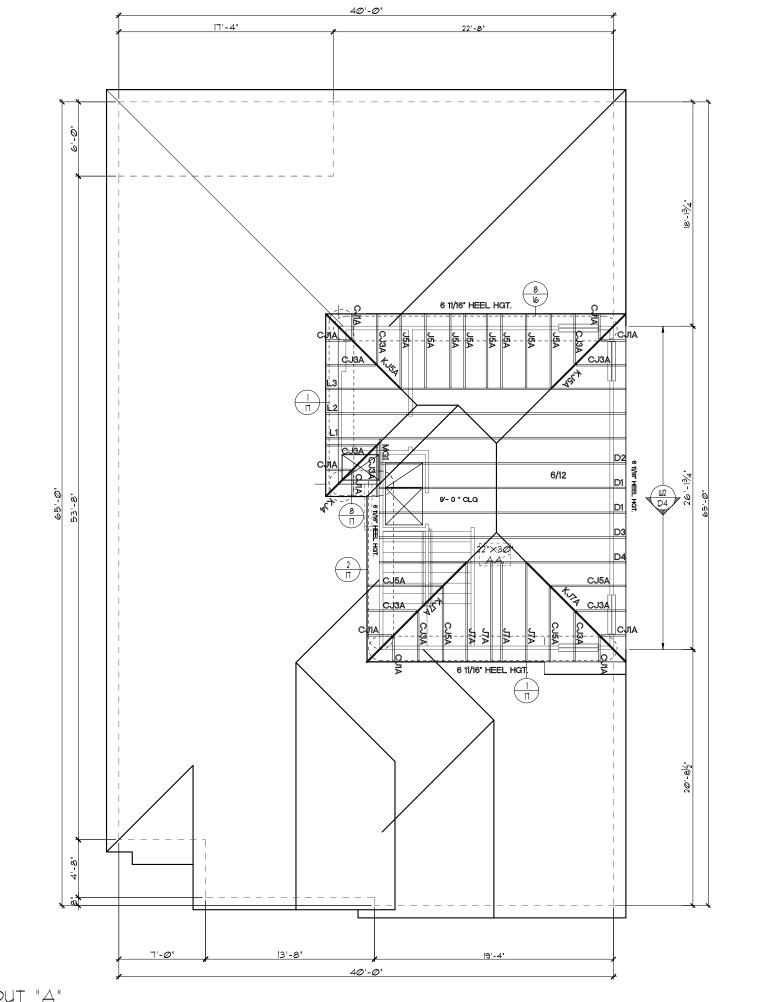
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BATH

MARGATE DATE Ø4-Ø5-2ØIT

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Engineering By: TEG, INC. MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

LAYOUT

PPER TRUSS LA BONUS ROOM (

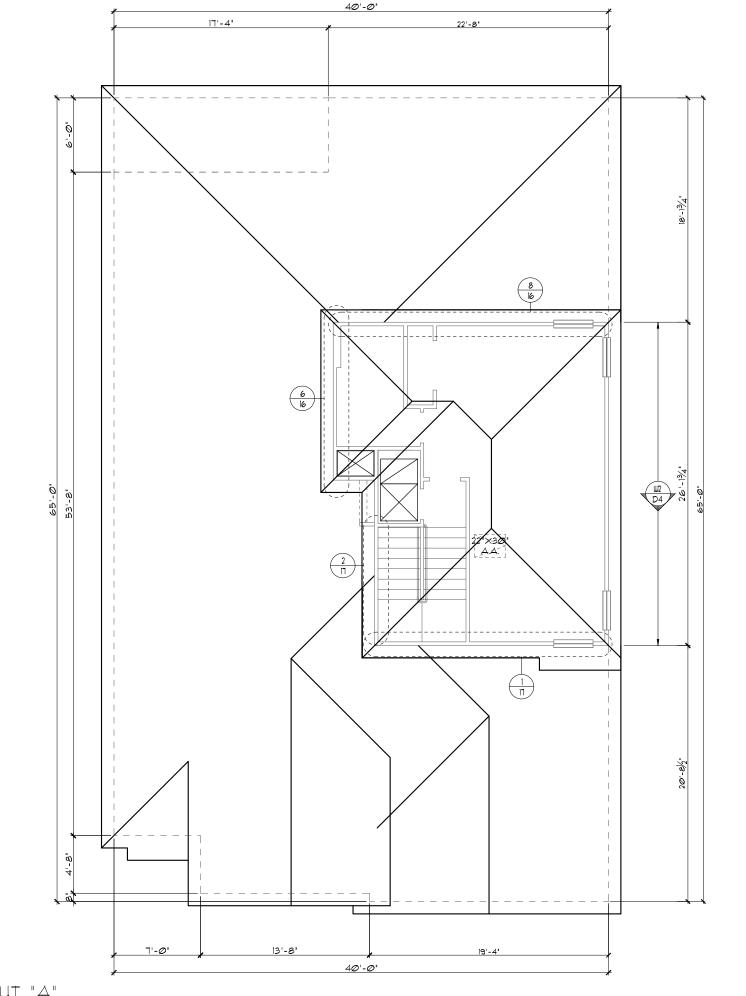
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SHEET

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LAYOUT

UPPER TRUSS LA BONUS ROOM (

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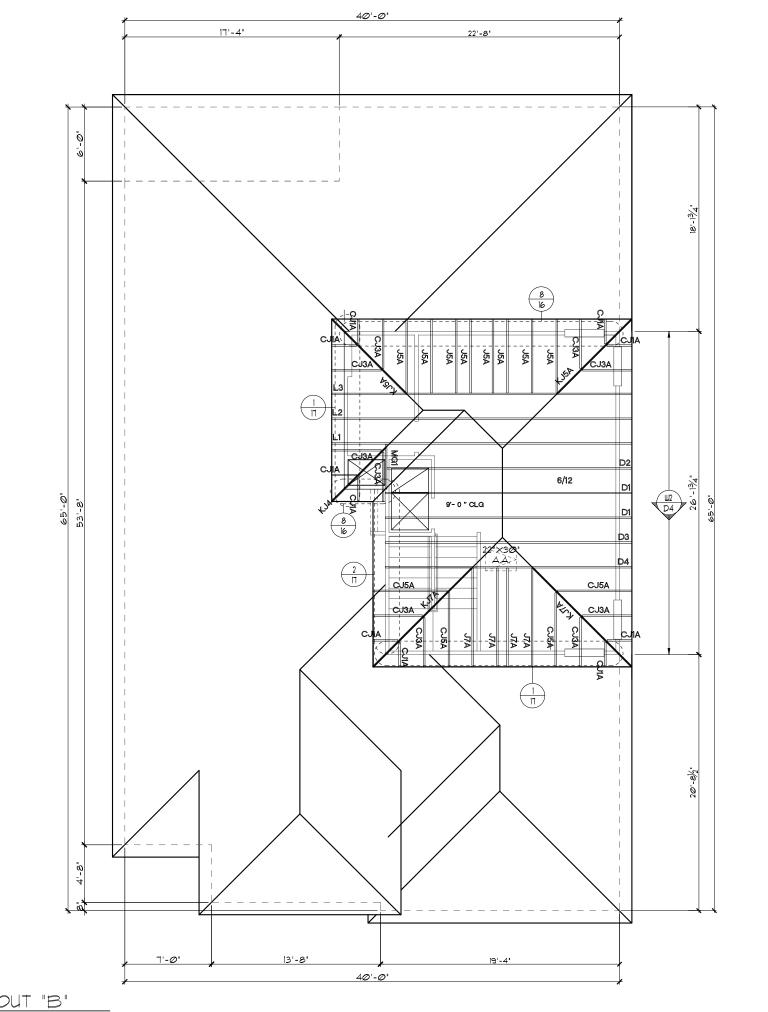
DATE Ø4-Ø5-2Ø17 SCALE AS NOTED

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BATH

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MARGATE DATE **04-05-20**17

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UPPER TRUSS LA BONUS ROOM (

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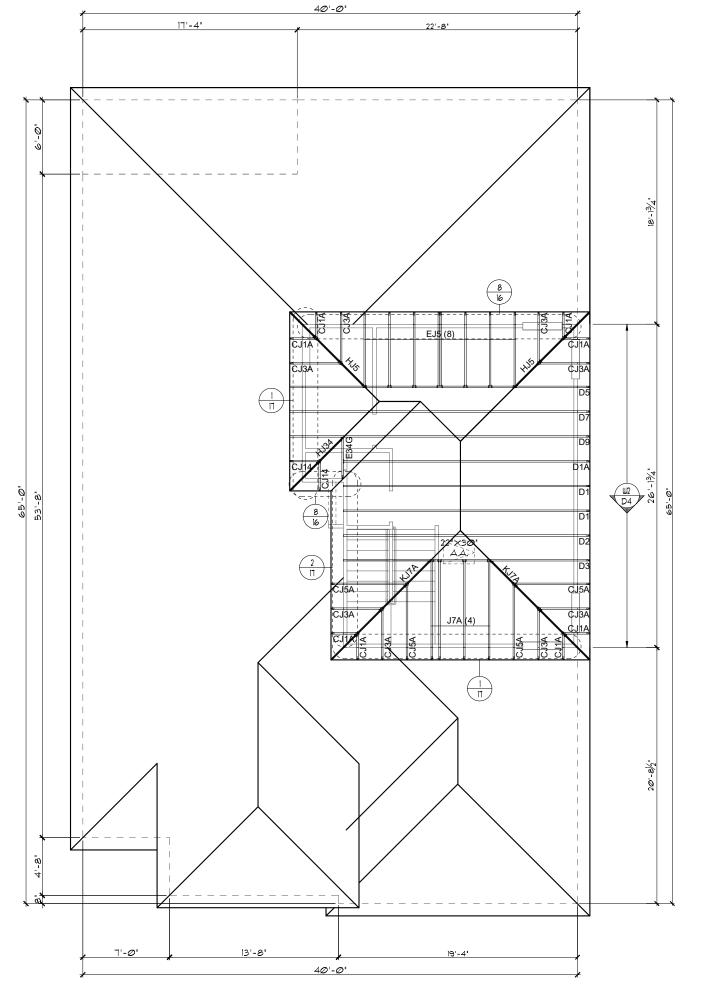
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SHEET

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Truss Connector Total List							
Manuf	Product	Qty					
	HUS26	1					
	LUS24	1					



UPPER TRUSS LAYOUT "B"

1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)

LAYOUT UPPER TRUSS LA BONUS ROOM (

BONUS

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MARGATE

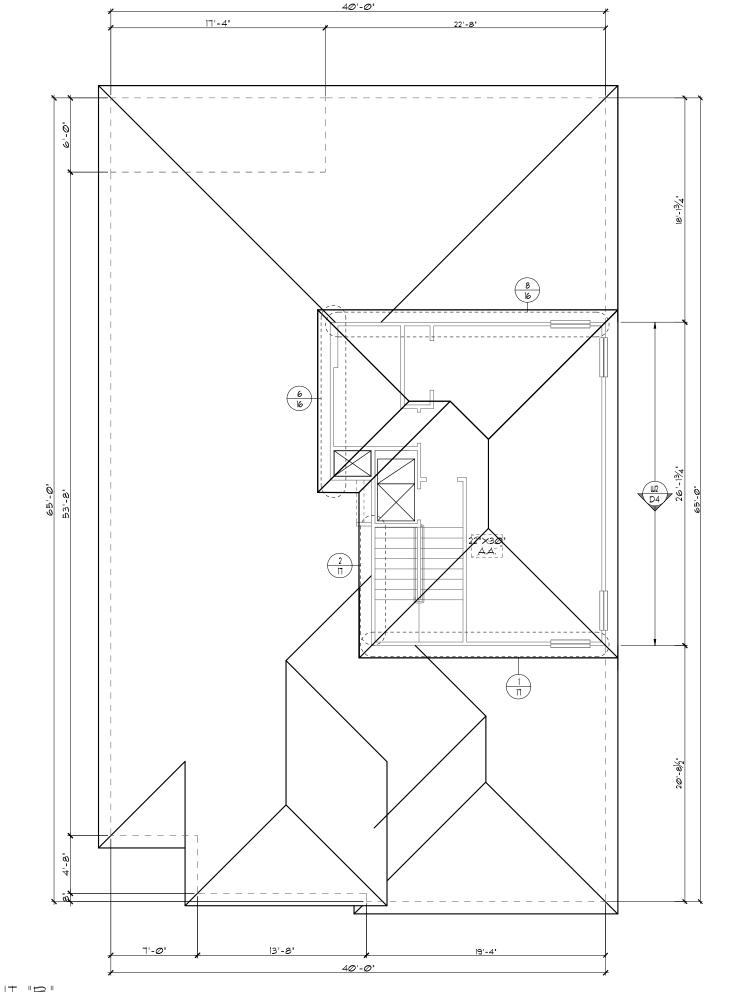
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LAYOUT UPPER TRUSS LA BONUS ROOM (

04-22-19

Engineering By: TEG, INC. MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

BONUS =

MARGATE

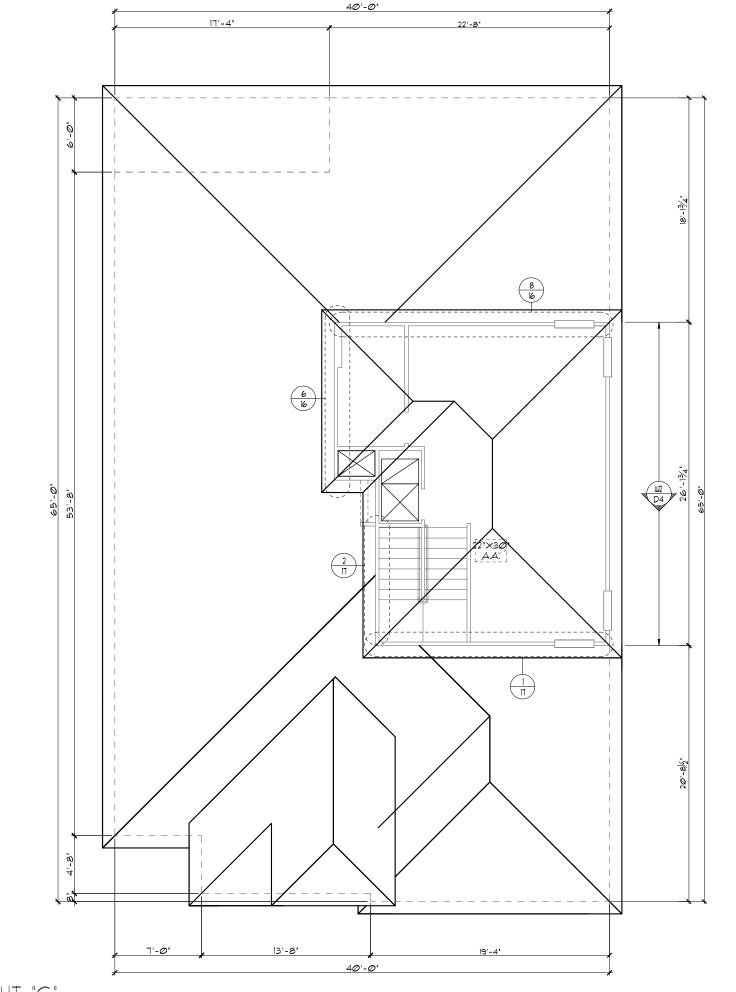
DATE Ø4-Ø5-2ØIT

SCALE AS NOTED

SHEET

BATH

- TYPICAL ROOF GABLE OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- 2. TYPICAL ROOF EAVES OVERHANG TO BE 12" UNLESS OTHERWISE NOTED.
- B. 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 1TH 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 PRE-VENT 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
- 6. REFER TO TRUSS MANUFACTURER'S DRAWINGS FOR TRUSS PLACEMENT \$ TRUSS TO TRUSS CONNECTIONS.
- . SHINGLE ROOF: UNDERLAYMENT TO BE INSTALLED IAW FBCR 2020, 1TH EDITION R905.1.1 -Underlayment materials required to comply with ASTM D226, D4869 ot Type IV 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.I.I.
- 8. OFF RIDGE VENTS MAXIMUN OPENING SIZES :
- LOMANCO: (2) 9 1/" DIA. CIRCLES MILLENIUM METAL : 2 1/2" × 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



UPPER TRUSS LAYOUT "C"

1/8"=1'-@" (11×17) 1/4"=1'-@" (22×34)

LAYOUT UPPER TRUSS LA BONUS ROOM (

04-22-19

Engineering By: TEG, INC. MICHAEL A. THOMPSON PE 47509 PHONE 407-721-2292

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=

MARGATE

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OF ØØ SHEETS

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BATH

PER FBC2020 1TH 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: 3,055 S.F. = 10.18 S.F. NET FREE VENT. 300 REQUIRED

UPPER PORTION VENTILATION TOTAL:---- 4.79 S.F. PROVIDED WOFF RIDGE VENTS: 6 VENTS @.798 S.F. /VENT. (VENT TYPE: LOMANCO MODEL TTØ-D OR MILLENNIUM

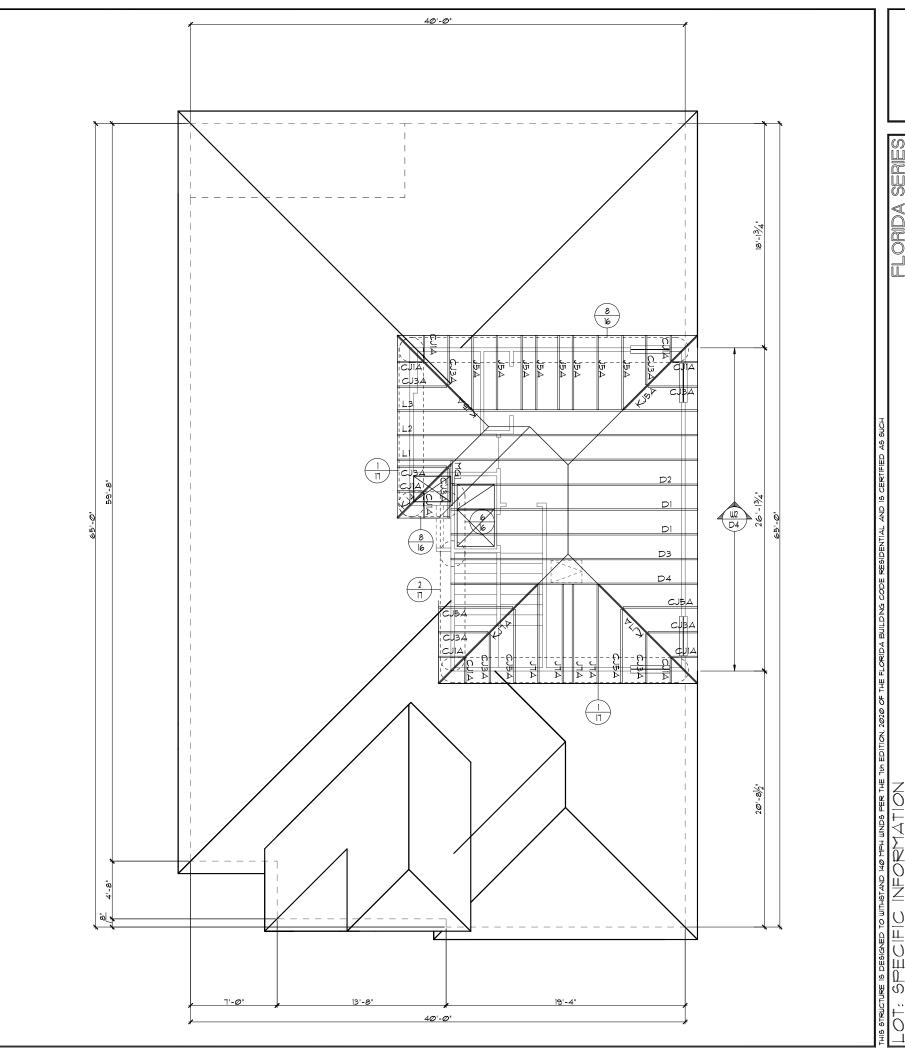
LOWER PORTION VENTILATION TOTAL:----- 19.48 S.F. PROVIDED W/ VENTILATED SOFFITS @ EAVE :--( 224 LF. @ 0.087 S.F. VENTING PER L.F.)

LOWER PORTION PERCENTAGE: 47%

LOWER PORTION PERCENTAGE: 53%

#### NOTES

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UPPER TRUSS LAYOUT "C"

1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)

04-22-19

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UPPER BONUS

=MARGATE

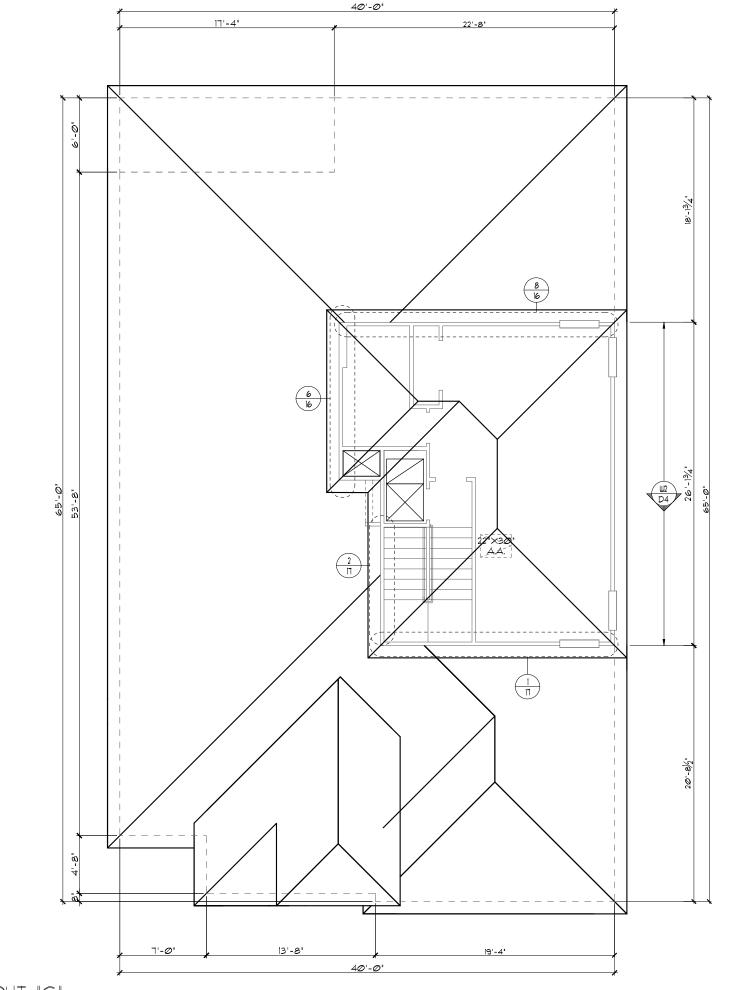
DATE Ø4-Ø5-2ØIT

SCALE AS NOTED

OF ØØ SHEETS

JOB SHEET

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UPPER TRUSS LAYOUT "C"

1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)

LAYOUT 

04-22-19

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UPPER TRUSS LA BONUS ROOM (

BONUS =

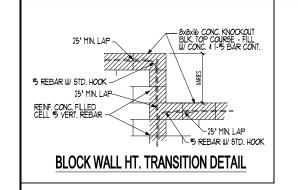
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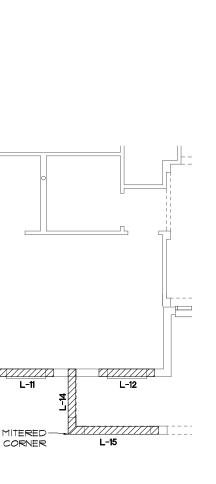
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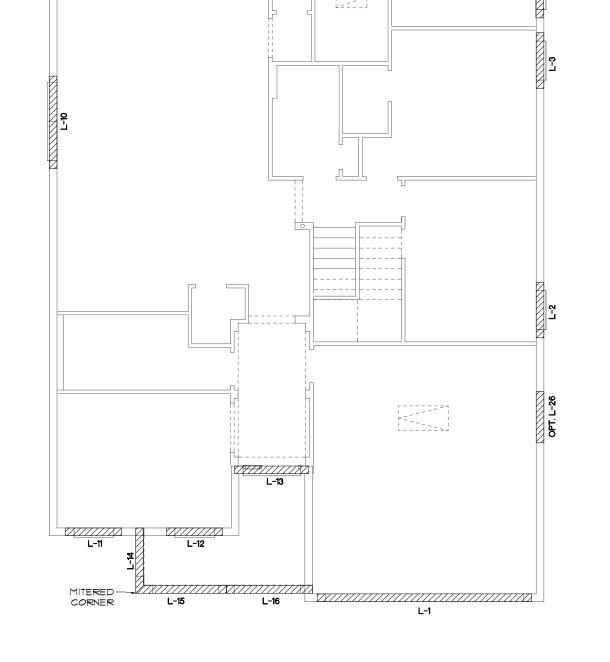
BATH

OF ØØ SHEETS

SHEET



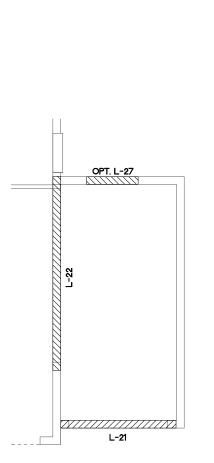




L-5

L-7

L-9



L-5

M. BA. OPTION 1/8"=1'-@" (11×17) 1/4"=1'-@" (22×34)

L 5 4'-6' 8FI6-ØB/IT SH25 L 6 4'-6' 8F16-ØB/IT SH25 L 7 17'-4" 8F16-ØB/IT REAR LANA L8 5'-10" 8F16-0B/IT REAR LANAI L 9 9'-4' 8FI6-ØB/IT 8/ØX8/Ø 5.G.D. L 10 1'-6' 8F16-ØB/IT PR. SH25 4'-6" 8F16-ØB/IT SH25 L 12 4'-6' 8F16-ØB/IT 5'-10" 8RF12-ØB/IT FRONT DOOR L 14 5'-4' 8F60-0B/IT FRONT ENTRY L 15 6'-6" 8F24-ØB/IT FRONT ENTRY L 16 6'-6" 8F24-ØB/IT FRONT ENTRY L 17 L 18 L 19 L 2Ø 5'-4' 8FI6-ØB/IT 4Ø4Ø 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' 8RFI6-ØB/IT OPT. GAR SERVICE DOOR L 27 4'-6' SRFI6-ØB/IT OPT. GAR SERVICE DOOR L 28 L 29 L 3Ø L 31 L 32 L 33 L 34 L 35

CAST CRETE LINTEL SCHEDULE

COMMENTS

GARAGE DOOR

LENGTH TYPE

L 2 4'-6' 8FI6-ØB/IT SH25 4'-6" 8FI6-ØB/IT 9H25

17'-4" 8F32-1B/IT

L 4 1'-6' 8F12-0B/IT 6/0×1/0 F.G.

LINTEL NO.

L 3

L 36

L 37 L 38

L 39

BEDROOM 4 OPT. 1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)

PRE CAST LINTEL LAYOUT "A"/"B"

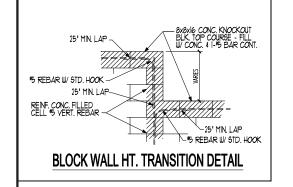
1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)

3-CAR GAR, OPT 1/8"=1'-@" (11×17) 1/4"=1'-@" (22×34)

MARGATE II - BONUS 1966

DATE **04-05-20**17 SCALE AS NOTED

SHEET

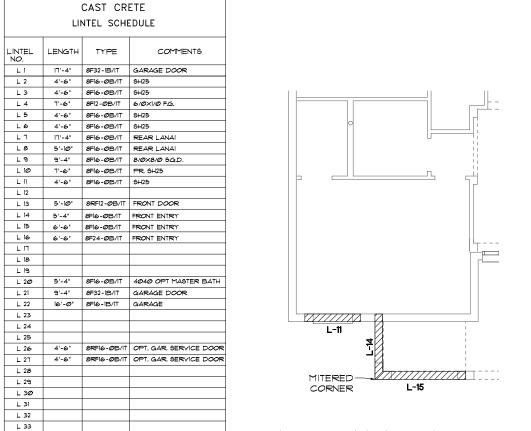


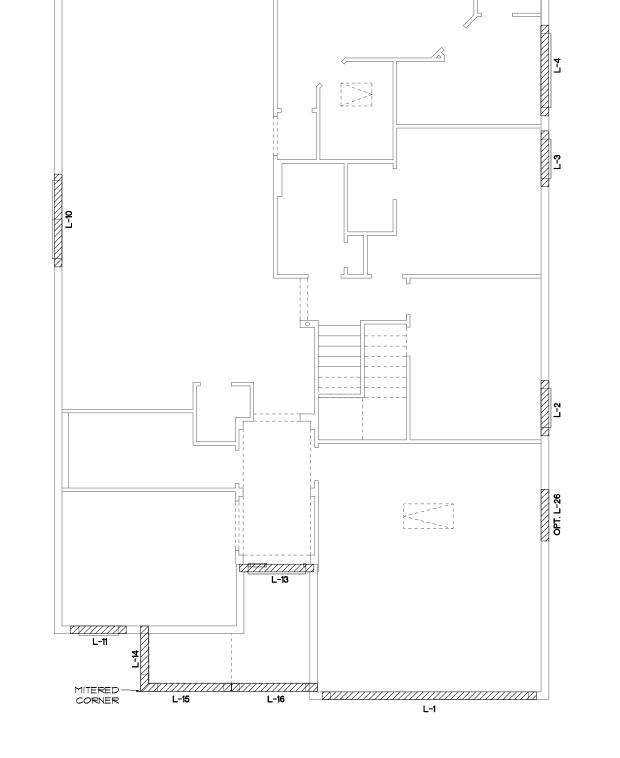
L 34 L 35

L 36

L 37 L 38

L 39

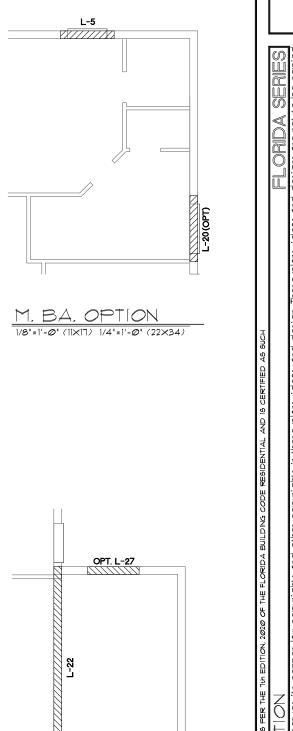




L-5

L-7

L-9



BEDROOM 4 OPT. 1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)

PRE CAST LINTEL LAYOUT "C"

1/8"=1'-Ø" (11×17) 1/4"=1'-Ø" (22×34)

3-CAR GAR, OPT. 1/8"=1'-@" (11×17) 1/4"=1'-@" (22×34)

L-21

SHEET

MARGATE II - BONUS DATE **04-05-20**17 SCALE AS NOTED

OF ØØ SHEETS

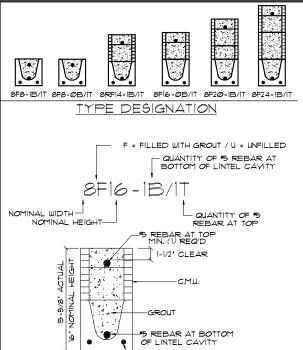
# SAFE LOAD TABLES FOR GRAVITY, UPLIFT & LATERAL LOADS 8" PRECAST & PRESTRESSED U-LINTELS

T. T. L. T.									
			Gl	RAVI	TY				
TYPE		8F8-ØB	8F12-0B	8F16-08	8F2Ø-ØE	8F24-ØB	8F28-ØB	8F32-ØB	
LENGTH	sus	8F8-IB	8F12-1B	8F16-1B	8F2Ø-1B	8F24-1B	8F28-1B	8F32-1B	
01.101(0.41) DDE6.467	T	3166	4473	6039	7526	9004	1Ø472	11936	
2'-10" (34") PRECAST	23Ø2	3166	4473	6039	7526	9004	100472	11936	
3'-6' (42') PRECAST	23@2	3138	3377	4689	6001	7315	8630	9947	
3-6 (42) PRECASI	2502	3166	4473	6039	7526	9004	100472	11936	
4'-Ø" (48") PRECAST	2@29	2325	2496	3467	4438	5410	6384	T358	
	1013	2646	4473	6039	1526	9004	100472	11936	
4'-6" (54") PRECAST	1651	TSTI	1913	2651	34Ø3	4149	4896	5644	
	-05	2170	4@27	6039	7526	9004	10472	9668	
5'-4" (64") PRECAST	1184	1223	13001	18Ø9	2317	2826	3336	3846	
	1	1665	2889	5057	6036	5400	6424	1450	
5'-10'(10') PRECAST	972	1000	1059	1474	1889	23@4	2721	3137	
		1459	2464	4144	5458	4431	528Ø	6122	
6'-6"(78") PRECAST	937	1255	21Ø1	3263	2746	3358	3971	4585	
		1255	2101	3396 2385	526Ø	7134 2439	8995 2886	689Ø 3333	
7'-6" (9Ø") PRECAST	767		1675			5596			
	-	632	1049	2610	3839	1482	6613	5Ø41 2Ø21	
9'-4" (112") PRECAST	573	768	1212	1818	2544	3469	4030	3127	
		482	802	1125	915	1122	1328	1535	
10'-6"(126") PRECAST	456	658	1025	1514	2081	2774	313@	2404	
		598	935	1365	1854	2355	1793	2015	
11'-4" (136") PRECAST	445	598	935	1365	1854	2441	3155	4044	
		545	864	1254	1689	2074	1570	1818	
12'-@"(144") PRECAST	414	555	864	1254	1693	2211	2832	3590	
		427	726	1028	1331	1635	1224	1418	
13'-4" (160") PRECAST	362	485	748	1076	1438	1855	2343	2920	
		381	648	919	1190	1462	1087	1260	
14'-0'(168') PRECAST	338	455	700	1003	1335	1714	2153	2666	
14'-8' (176')		NR	NR	NR	NR	NR	NR	NR	
PRESTRESSED	N.R.	465	765	1370	2045	2610	3185	3765	
15'-4' (184")		NR	NR	NR	NR	NR	NR	NR	
PRESTRESSED	N.R.	420	695	1250	1855	2370	2890	3410	
17'-4" (208")		NR	NR	NR	NR	NR	NR	NR	
PRESTRESSED	N.R.	31Ø	530	950	1400	1800	2200	2600	
19'-4" (232")	N.R.	NR	NR	NR	NR	NR	NR	NR	
PRESTRESSED	N.R.	240	400	750	1090	1400	1720	2030	
21'-4" (256")	N.R.	NR	NR	NR	NR	NR	NR	NR	
PRESTRESSED	N.C.	183	330	610	940	1340	1780	21100	
22'-0' (264')	N.R.	NR	NR	NR	NR	NR	NR	NR	
PRESTRESSED	144	160	300	570	870	1250	1660	1970	
24'-Ø" (288")	1	NR	NR	NR	NR	NR	NR	NR	
PRESTRESSED	N.R.	1300	240	470	720	1030	135@	1610	

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

		GRAVITY								
TYPE		8RF6-ØB	8RF10-0B	8RF14-ØB	8RF18-ØB	8RF22-ØB	8RF26-ØB	8FF3Ø-ØE		
LENGTH	8RU6	8RF6-1B	8RFIØ-IB	SRFI4-1B	SRFIS-IB	8RF22-1B	8RF26-IB	8RF3Ø-1B		
4'-4' (52') PRECAST	1489	1591	3Ø53	2982	3954	4929	5904	6880		
4-4 (92 ) FRECAST	1485	1827	3412	4982	6472	1941	9416	10878		
4'-6" (54") PRECAST	1357	1449	2782	2714	3600	4487	5375	6264		
1 - 2 (S4 / I NECACI	155 1	17@2	3412	4982	6472	1941	9416	10878		
5'-8' (68') PRECAST	185	832	1602	1550	2Ø58	2566	3Ø15	3585		
9-8 (88) FRECASI	100	1153	2162	4074	6472	6516	5814	6839		
5'-10' (10') PRECAST	735	PTT	1500	1449	1924	2400	2876	3352		
5 - NO ( NO ) I - RECAST	125	11Ø3	2Ø51	3811	6472	6516	545@	6411		
6'-8" (80") PRECAST	822	9Ø1	1677	2933	2576	3223	3872	4522		
e -e (ee // RECAST	622	9Ø7	1677	2933	4100	6730	דדופ	6707		
1'-6' (90') PRECAST	665	761	1377	2252	1958	2451	2944	3439		
1-6 (36) PRECASI	565	764	1377	2329	3609	5492	6624	5132		
9'-8" (116") PRECAST	371	420	834	1253	ודשו	1342	1614	1886		
3-5 (IIE / I NECASI	311	535	928	1497	2179	2618	3595	2875		

8" PRECAST & PRESTRESSED U-LINTELS									
		UPLIFT  -						LATERAL	
LENGTH TYPE	8F8-1T 8F8-2T	8F12-1T 8F12-2T				8F28-1T 8F28-2T		8U8	8F8
2'-10'(34') PRECAST	2727 2727	2878 2784	41Ø1 3981	5332 519Ø	6569 6401	7811 763Ø	9Ø55 8857	2@21	2Ø21
3'-6' (42') PRECAST	2165	2289	3260	4237	5219	6204	7192	1257	1257
	2165 1878	2215 1989	3l65 2832	4125 368Ø	5Ø91 4532	6Ø61 5387	1Ø36 6245		
4'-Ø' (48') PRECAST	1878 1660	1925	275Ø	3583 3257	4422 4010	5264 4767	6110 5525	938	938
4'-6" (54") PRECAST	1660	1705	2435	3171	3913	4658	5406	727	727
5'-4" (64") PRECAST	1393+	1484	2110	2741 267Ø	3375 3293	4010 3920	4648 4549	505	505
5'-10'(10") PRECAST	1272*	1357	1930	25Ø5	3Ø84	3665	4247	418	418
6'-6"(18") PRECAST	1272	1315 1200	1875 1733	2441 225Ø	3Ø1Ø 2769	3583 329Ø	415T 3812	רשר	887
	1141 959*	1182	1684	2192 1914	27Ø3 2354	3216 2797	3732 324Ø	101	881
1'-6" (90") PRECAST	990	1029	1466	19Ø1	2351	2797	3245	591	651
9'-4" (112") PRECAST	8Ø1* 8Ø1	612 155	980	1550	1560	1852 2271	2144	454	630
10'-6"(126") PRECAST	716	498 611	793 1Ø39	1027	1261	1496	1731 2358	396	493
11'-4' (136') PRECAST	666.	439	696	899	1104	1309	1515	363	556
	666 607•	535 400	905	1295 816	1595 1001	1896	2198		
12'-Ø'(144') PRECAST	631 500+	486 34Ø	818 532	1209	1514 841	1799	2 <b>0</b> 86	340	494
13'-4" (160") PRECAST	573	409	682	1004	1367	1637	resi	3Ø2	398
14'-Ø'(168') PRECAST	458* 548	316 378	493 629	635 922	118	922	1065	286	360
14'-8" (176") PRESTRESSED	243	295	459	591	724	857	990	N.R.	357
15'-4" (184")	243 228	352 278	582 43Ø	852 553	1156 611	1491 8Ø1	925		
PRESTRESSED	228	329 236	542 361	791 464	1Ø12 561	1381	1616	N.R.	327
17'-4" (208") PRESTRESSED	188	276	449	649	874	1121	1389	N.R.	255
19'-4" (232") PRESTRESSED	165 165	2ØT 239	313 383	4Ø1 55Ø	49Ø	578 94Ø	667 1160	N.R.	204
21'-4" (256") PRESTRESSED	145 142	186	278 336	356 411	433 635	512 8Ø7	59Ø	N.R.	172
22'-0" (264') PRESTRESSED	140	180	268	343	418	493	568	N.R.	161
24'-@" (288")	127	2 <i>0</i> 5	322 244	457 312	6Ø7 38Ø	447	947 515		
PRESTRESSED  *REDUCE V	124 ALUE 1	186 3Y 259	290	408 GP AT	538 E 40	68Ø	833 DEB /	X.R.	135
*REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR									



-BOTTOM REINFORCING

1-5/8'ACTUAL PROVIDED IN LINTEL (VARIES)

- MATERIALS . f'c precast lintels = 3500 psi.

8" NOMINAL WIDTH

- r c precast lintels = 5000 psi.
  . f'c prestressed lintels = 6000 psi.
  . f'c grout = 3000 psi w/ maximum 3/8" aggregate.
  . Concrete masonry units (CMU) per ASTM C90 w/
  minimum net area compressive strength = 1900 psi.
  . Rebar provided in precast lintel per ASTM A615
  GR60, Field rebar per ASTM A615 GR40 or GR60.
- GREO. Field repair per ASIM A615 GR40 or 6. Prestressing strand per ASIM A416 grade 270 low relaxation.

  1. 1/32 wire per ASIM A510.

  8. Mortar per ASIM C270 type M or 8.

  GENERAL NOTES

- . Provide full mortar head and bed joints. 2. Shore filled lintels as required.
- 3. Installation of lintel must comply with the architectural and/or
- 3. Installation of linter must comply with the acceptance at the ends structural drawlings.
  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. 1.7/32" 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 masorry units. 9.5afe load ratings based on rational design analysis per ACI 318 and ACI 530

- SAFE LOAD TABLE NOTES

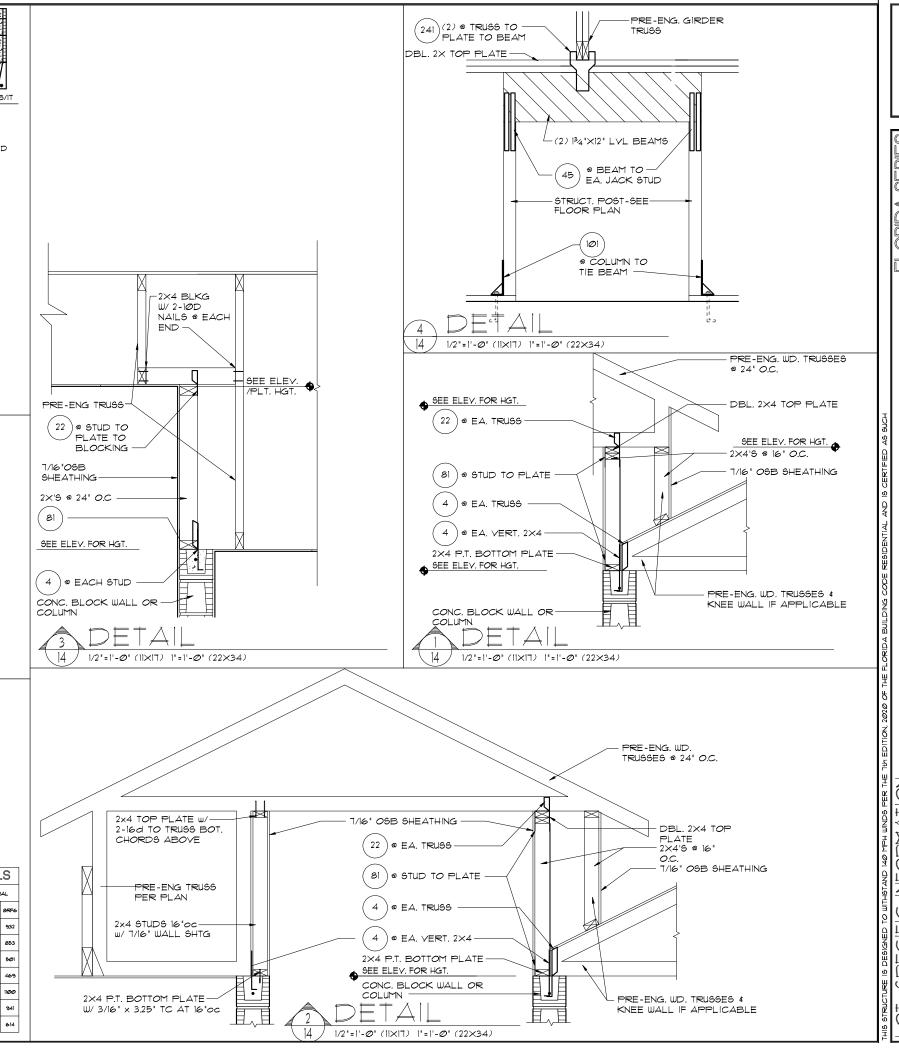
  I. All values based on minimum 4" bearing. Exception: Safe loads for unfilled lintels must be reduced by 20% if bearing length is less than 6-1/2". Safe loads for all recessed lintels based on 8" nominal bearing.
- . N.R. = Not Rated.
- 3. Safe loads are total superimposed allowable load on the section 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.
- 1. The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d-away from the face of support.

  8. For composite lintel heights not shown, use safe load from
- next lower height.

  9. All safe loads in units of pounds per linear foot.

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

		UPLIFT						LATER	8AL
TYPE	8RF6-IT	8RFIØ-IT	8RF14-IT	8RFI8-IT	SRF22-IT	8RF26-IT	8RF3Ø-IT	8RU6	8RF6
LENGTH TIPE	8RF6-2T	8RF10-2T	8RF14-2T	8RF18-2T	8RF22-2T	8RF26-2T	8RF3Ø-2T		
4'-4' (52') PRECAST	1244	1573	2413	3260	4112	4967	5825	000	000
4-4 (92) FRECASI	1244	1519	2339	3170	4008	4850	5696	932	932
4'-6' (54') PRECAST	1192	15Ø7	2311	3121	3937	4756	5511	050	25.2
4-6 (34)/ NECASI	1192	1455	2240	3Ø36	3837	4643	5453	853	853
5'-8' (68') PRECAST	924*	1172	1795	2423	3Ø55	3689	4325	501	
5'-8" (68") PRECASI	924	1132	1741	2357	2978	36Ø3	423Ø		501
5'-10' (70') PRECAST	896.	1138	1742	2352	2965	3581	4198	469	
5-ID (ID) FRECASI	896	1099	1690	2288	2891	3491	4106		469
6'-8' (80') PRECAST	377	882	1513	2Ø42	2573	31Ø7	3642	220	1100
6-8 (80) FRECASI	375	956	1468	1987	25Ø9	3Ø35	3563	830	1100
1'-6' (90') PRECAST	688	697	1325	1810	2280	2753	3227	שוד	
1-6 (90) PRECASI	688	849	13@2	1762	2225	2690	3157		941
9'-8" (II6") PRECAST	533*	433	8Ø8	1123	1413	17Ø4	1995	516	
J-5 (IIE) FRECASI	533	527	1009	1369	1728	2088	2450		614
*REDUCE	VALU	F BY	5% FO	D GDA	DF 40	FIFI	RFB/	0	



REVISIONS

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PF PARK SOU/ S, INC. d Road, Suite d Road, Suite rida 32811 529 - 3000

A DWISION OF F ENTERPRISES, II 5200 Vineland R Orlando, Florida Phone: (407) 52

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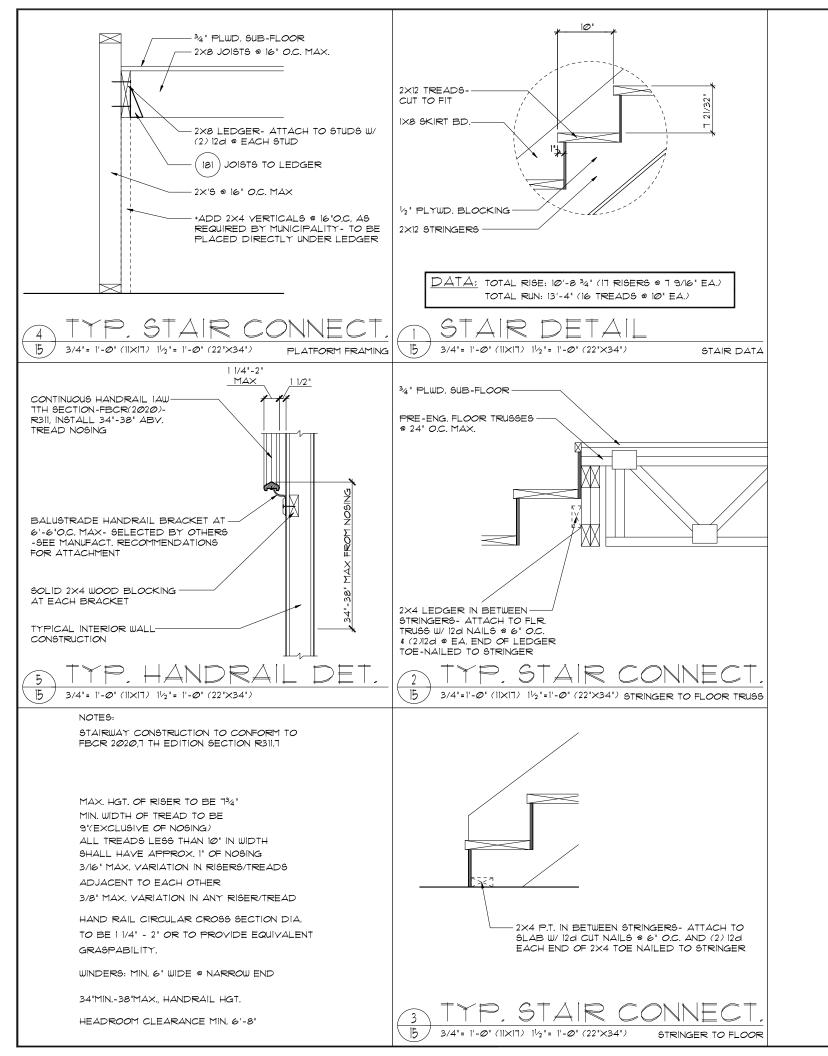
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996



	SIMPSON		USP				
ONNECT.		FASTENERS		FASTENERS	MAX. UPLIFT		
· · · · ·	DESCRIPTION	PER CONNECTOR	DESCRIPTION	PER CONNECTOR	3 1	11/12	
4	HETA2Ø	14-10d x 11/2"	ETA2Ø	14-10d	1,810	65 / 960	
22	HIØ5	RFT: 8-8d x 1 1/2"	RT16	RFT: 8-8d x 1½"	990	585/525	
		PLT: 8-8d x 1 1/2"	· ·	PLT: 8-8d	236		
23	LUS26	HDR: 4-10d/JST: 4-10d	JUS26	HDR: 4-10d/JST: 4-10d	935	N/A	
24		RFT / TRS: 4-8d	RT2Ø	RFT / TRS: 9-10d	985	400 / N/A	
26	H2.5	PLT / STD: 10-8d RFT:5-8d / PLT: 5-8d	DTT	PLT / STD: 13-10d	415	150 / 150	
35	A35F	H:4-8dx1½"/P:4-8dx1½"	RT7 MPAIF	RFT:5-8d / PLT: 5-8d H:6-8dx1½"/P:6-8dx1½"	415 44Ø	190 / 190 440 / N/A	
37	MTS12	14-10d	MTW12	14-10d	1,000	N/A	
38	MTS16	14-10d	MTW16	14-1Ød	1,000	N/A	
		BLK: (4)1/4"×21/4" T.C.		BLK: (4)1/4"×21/4" T.C.	,		
39	MTSMI6	TRUSS: (7) 10d	MTW16	TRUSS: (7) 10d	860	N/A	
43	LSTA12	10-10d	LSTA12	10-10d	905	N/A	
44	HGAIØ	RFT / 4-SDS 1/4"X11/2"	N/A	N/A	500	840/675	
		PLT /4-SDS 1/4"X3"		N/A			
45	STI8 LSTA24	14-16d	STIB	14-16d	1,200	N/A	
47 71	MSTA36	18-10d 26-10d	LSTA24 MSTA36	18-10d 26-10d	1,295 2,135	N/A N/A	
72	MSTC66	64-16d SINKERS	N/A	N/A	5,495	N/A	
79	5P1	STD:6-100 / PLT:4-100	SPT22	STD:4-10d / PLT:4-10d	535	560 / 260	
80	5P2	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	
	ECCLL/RQ-	1/4"X21/2" STRONG DRIVE		-	M: 2835		
86	SDS2.5	SDS H.D. CON. SCREWS	N/A	N/A	S: 1840	N/A	
88	CBSQ88	12 SDS 1/4×2"			3975	N/A	
89	CB66	(2) % " BOLTS	PASXS	4-10d	2,300	985	
90	ABU66	12-16d	PAU66	12-16d	2,240	N/A	
91	CB5Q66	14 SDS 1/4×2"			3,190	N/A	
92	ABU44	12-16d	PAU44	12-16d	2,200	N/A	
93	AC6 (MAX) AC4 (MAX)	28-16d 28-16d	PB\$66	24-16d 24-16d	1,815 1,815	1,070 070,1	
94 95	HTS2Ø	20-10d	PB\$44 HTW2Ø	24-160 20-10d	1,450	N/A	
99	A35	H:4-8dx11/2"/P:4-8dx11/2"	MPA1	H:6-8dx11/2"/P:6-8dx11/2"	440	44Ø / N/A	
101	HTT4	5%" BOLT/ 18-16d×21/2"	N/A	N/A	3,640	N/A	
102	HTT5	%" BOLT/ 26-1Ød	N/A	N/A	4,275	N/A	
103		32-9D614"×3"/(2) 5%" BLT	N/A	N/A	3,990	N/A	
1004	HDU8-SDS2.5	7/8" BLT/20-SDS 14"x21/2"	N/A	N/A	5,020	N/A	
105	HDTB	7/8"-3-3/4"	N/A	N/A	6,645	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	
212	HUC41Ø	BLOCK: 10-14"X11/2" TC JOIST : 10-16d	N/A	N/A	1,810	N/A	
213	HSUR/L410	BLOCK: 20-16d JOIST : 6-16d	N/A	BLOCK: N/A JOIST : N/A	1,300	N/A	
214	HUC412	BLOCK: 10-1/4"X11/2" TC JOIST : 10-16d	HUS412	BLOCK: 10-1/4"X11/2" TC JOIST : 10-16d	1,895	N/A	
215	HGUS210-2	HDR:46-16d/JST:10-16d	EHUH21Ø-2	HDR:40-16d/JST:16-10d	2,72Ø	N/A	
216	HUC\$412	BLOCK: 10-14"X1½" TC JOIST : 10-16d	HUS412	BLOCK: 10-14"X11/2" TC JOIST : 10-16d	3,240	N/A	
217	HUS212-2	BLOCK: 10-14"X11/2" TC JOIST : 10-16d	HUS212-2	BLOCK: 10-14"X11/2" TC JOIST: 10-16d	2,630	N/A	
219	MBHA412	H:1-ATR34×8 TOP \$FACE JOIST: 18-10d	NFM35×12U	H:1-1/2" J-BOLT J:5-1/2" BOLTS	3,145	N/A	
231	MBHA3.56/16	HDR: (2) 3/4 "\$ x 8" JOIST: 18-100	NFM3.5×16U	HDR :MIN. ½ "\$xJ-BOLTS JOIST : (5) ½ "\$ BOLTS	3,450	N/A	
232	MBHA5.50/16	HDR: (2) 3/4 "\$ x 8" JOIST: 18-100	NFM5.5×16U	HDR :MIN. ½"+xJ-BOLTS JOIST : (5) ½"+ BOLTS	3,450	N/A	
241	LGT2	30-16d-sinker	LUGT2	32-1Ød	2000	1015 / 440	
242	LGT3	G: (12) SDS 1/4:X21/2"	N/A	W: (4) 3/8"×5" TITEN	2,365	N/A	
243	LGT4-SDS3	G: (16) SDS 1/4:X3"	N/A	₩: (4) % "X5" TITEN HD	2,365	N/A	
3Ø1	MGT	(1) 34 "BLTS./GIR: 22-10d	N/A	N/A	3,965	N/A	
3 <i>0</i> 2 3 <i>0</i> 3	HGT-2 or 3 HGT-4	LTL:34"BLT5./GIR: 8-10d LTL:34"BLT5./GIR: 16-10d	USC63 N/A	LTL: <sup>3</sup> / <sub>4</sub> "BLT5./GIR: 8-16d N/.A	6485 9,250	N/A N/A	
3Ø5	FGTR (2-PLY)	TRUSS: 36 SDS ½"X3" WALL:(4)½"X5" TITEN HD	N/A	N/A	9,400	N/A	
4Ø1	SUR/L414	FACE:18-16d/JST:8-16d	N/A	N/A	1,700	N/A	
5014	LSU26	6-10d - 5-10d×11/2	N/A	N/A	535	N/A	
501B	LSSU28	10-10d - 5-10d×11/2	N/A	N/A	535	N/A	
50IC	LSSU2IØ	10-10d - 7-10dX11/2	N/A	N/A	875	N/A	
502A	LSU26 LSSU28	6-10d - 5-10dX11/2	N/A N/A	N/A N/A	535 45Ø	N/A N/A	
502B 502C	L55U28 L55U2IØ	9-10d - 5-10dX1½ 9-10d - 7-10dX1½	N/A N/A	N/A N/A	45Ø 785	N/A N/A	
5Ø3	HRC22	6-10dX11/2 - 2-10dX11/2	N/A	N/A N/A	290	N/A	
504	VPA2	8-10d - 2-10d×11/2	N/A	N/A	295	375/25Ø	
505	HCP2	6-10d×11/2 - 6-10d×11/2	N/A	N/A	645	N/A	
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MARGATE II DATE **04-05-20**17 SCALE AS NOTED

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