

GENERAL NOTES

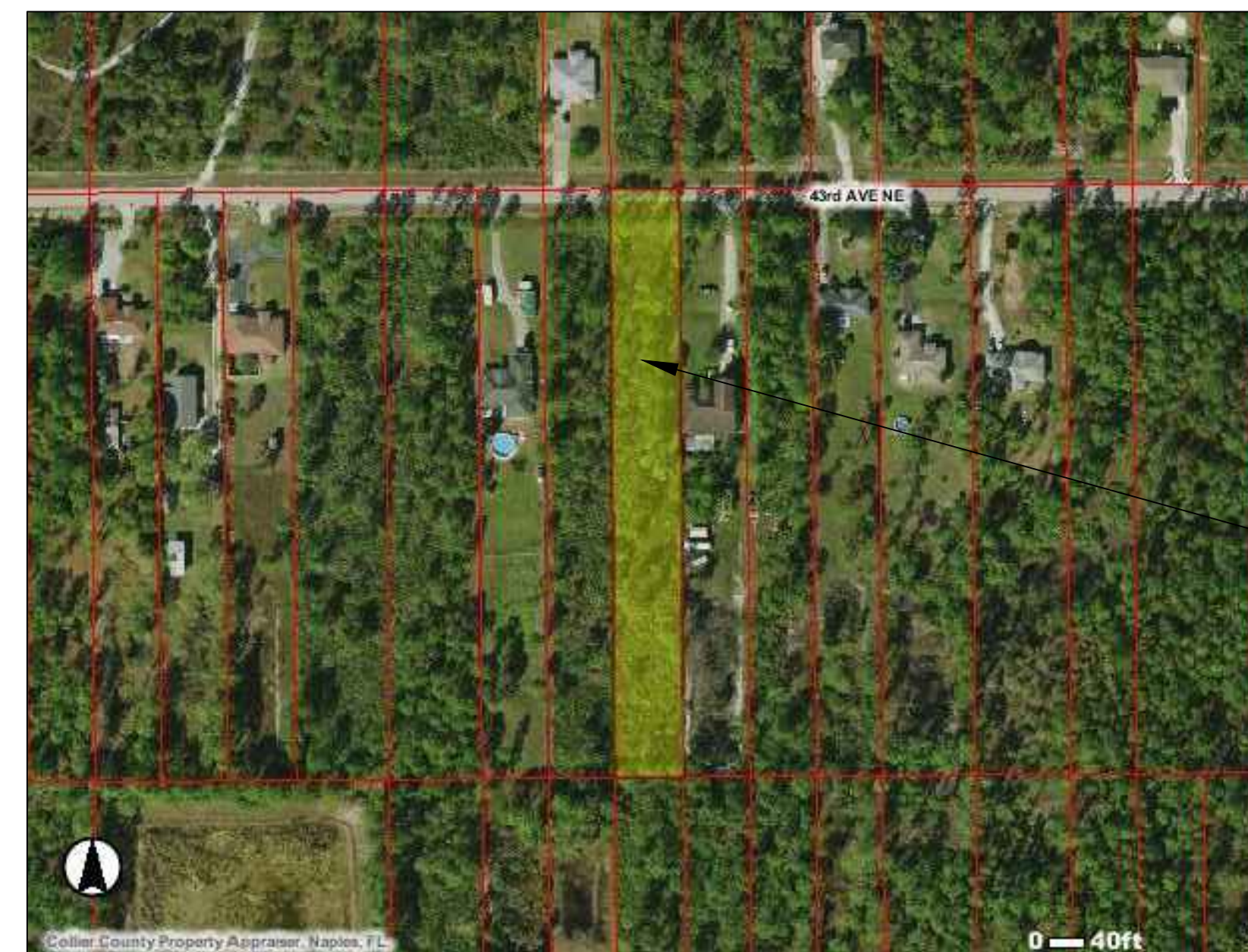
1. IT IS THE INTENT OF THE DESIGNER THAT THIS WORK BE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION OVER THIS TYPE OF CONSTRUCTION & OCCUPANCY. ALL CONTRACTORS SHALL DO THEIR WORK IN CONFORMANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING WORK. CONTRACTOR SHALL REPORT ALL DISCREPANCIES IN THE DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER BEFORE COMMENCEMENT OF WORK. THE DESIGNER'S RESPONSIBILITIES EXTEND ONLY TO CHANGING THE DRAWINGS AND UP TO THE VALUE OF SAID DRAWINGS.
3. THE CONTRACTOR SHALL SUPPLY, LOCATE AND BUILD INTO THE WORK ALL INSERTS, ANCHORS, ANGLES, PLATES, OPENINGS, SLEEVES, HANGERS, SLAB DEPRESSIONS AND PITCHES AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.
4. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.



Rao Designs, LLC

RESIDENTIAL & COMMERCIAL
CUSTOM HOMES DESIGNS
239-243-1534

PLAN INDEX	
CS	COVER SHEET
SP	SITE PLAN
A-1	FLOOR PLAN
A-1	DIMENSIONED FLOOR PLAN
A-2	FRONT & REAR ELEVATION
A-2	LEFT & RIGHT ELEVATION
E-1	ELECTRICAL PLAN
S-1	FOUNDATION PLAN
S-2	ROOF FRAMING PLAN
S-3	NOTES & DETAILS



LOCATION MAP

DESIGN PARAMETERS	
APPLICABLES CODES: BUILDING CODE= FLORIDA BUILDING CODE, BUILDING 2017 AND SECTION 1609 MECHANICAL CODE= FLORIDA BUILDING CODE, MECHANICAL 2017 PLUMBING CODE= FLORIDA BUILDING CODE, PLUMBING 2017 ELECTRICAL CODE= N.E.C. 2017 LIFE SAFETY CODE= N.F.P.A. ACCESSIBILITY CODE= FLORIDA BUILDING CODE, BUILDING 2017 ENERGY CODE= FLORIDA BUILDING CODE, BUILDING 2017	
BASIC WIND SPEED: WV=160 ALT. 124 NOM. RISK CAT.= 2 EXP = B	
BUILDING OCCUPANCY CLASSIFICATION: <input type="checkbox"/> GROUP A - ASSEMBLY <input type="checkbox"/> GROUP H - HAZARDOUS <input type="checkbox"/> GROUP B - BUSINESS <input type="checkbox"/> GROUP I - INSTITUTIONAL <input type="checkbox"/> GROUP D - DAY CARE CENTER <input type="checkbox"/> GROUP M - MERCANTILE <input type="checkbox"/> GROUP E - EDUCATIONAL <input checked="" type="checkbox"/> GROUP R - RESIDENTIAL <input type="checkbox"/> GROUP F - FACTORY INDUSTRIAL <input type="checkbox"/> GROUP S - STORAGE <input type="checkbox"/> GROUP U - UTILITY/MISC.	
BUILDING OCCUPANCY CLASSIFICATION: <input type="checkbox"/> TYPE I <input type="checkbox"/> TYPE IV <input type="checkbox"/> TYPE II <input type="checkbox"/> TYPE V <input type="checkbox"/> TYPE III <input type="checkbox"/> TYPE VI <input type="checkbox"/> TYPE V-A <input checked="" type="checkbox"/> TYPE V-B	
EXPOSURE CATEGORY: <input type="checkbox"/> A <input type="checkbox"/> C <input checked="" type="checkbox"/> B <input type="checkbox"/> D	
WINDBORNE DEBRIS REGION: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	
<input checked="" type="checkbox"/> IMPACT RESISTANT GLAZING <input type="checkbox"/> IMPACT RESISTANT COVERING <input type="checkbox"/> COMBINATION OF IMPACT RESISTANT GLAZING / COVERING	
INTERNAL PRESSURE COEFFICIENTS: <input type="checkbox"/> 0.00 (OPEN) <input checked="" type="checkbox"/> + 0.18, -0.18 (ENCLOSED) <input type="checkbox"/> + 0.55, -0.55 (PARTIALLY ENCLOSED)	

NOTE:
IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND CONFIRM THE DESIGN OF THIS STRUCTURE, VERIFYING DIMENSIONS AND DETAILS THAT CONTRIBUTE TO OWNER SPECIFICATION. ANY DISCREPANCIES ARE TO BE RELAYED TO DESIGNER AND ENGINEER OF RECORD.
CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

© 2018 RAO DESIGNS, LLC

Quattrone & Associates, Inc.
Engineers, Planners, & Development Consultants
4311 Veneta Shemaker Blvd - Fort Myers, Florida 33916 - 239-886-5222
Certificate of Authorization Number: 8485

IF ANY ERRORS OR OMISSIONS EXIST IN THESE DRAWINGS OR ANY OTHER INFORMATION, THE DESIGNER SHALL BE RESPONSIBLE FOR THE SAME. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES IN THE DRAWINGS AND EXISTING CONDITIONS TO THE DESIGNER BEFORE COMMENCEMENT OF WORK. THE DESIGNER'S RESPONSIBILITIES EXTEND ONLY TO CHANGING THE DRAWINGS AND UP TO THE VALUE OF SAID DRAWINGS.

REVISIONS: DATE:

△	x	
△	x	
△	x	
△	x	

Drawn	CHECK BY
MM	AQ
1-17-18	18-005
1/4" = 1'-0"	

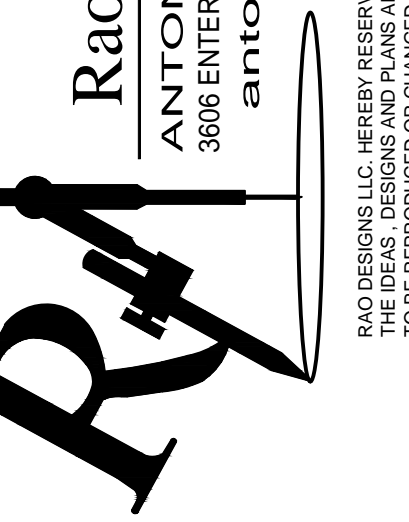
SPEC HOME
SINGLE FAMILY RESIDENCE
Parcel No. 39776520005
43RD AVE NE
NAPLES, FL 34120

APPROVED
THIS STRUCTURE MEETS ALL REQUIREMENTS OF THE 2017 FL. BUILDING CODES
ALFRED J. QUATTRONE
FLORIDA P.E. #52741

MON, 1-22-2018 5:23 PM
PLOTTED BY: ANTONIO

CS

Rao Designs, LLC
ANTONIO RAO 239-243-1534
3606 ENTERPRISE AVE #210 NAPLES, FLORIDA 34104
antoniorao1@gmail.com

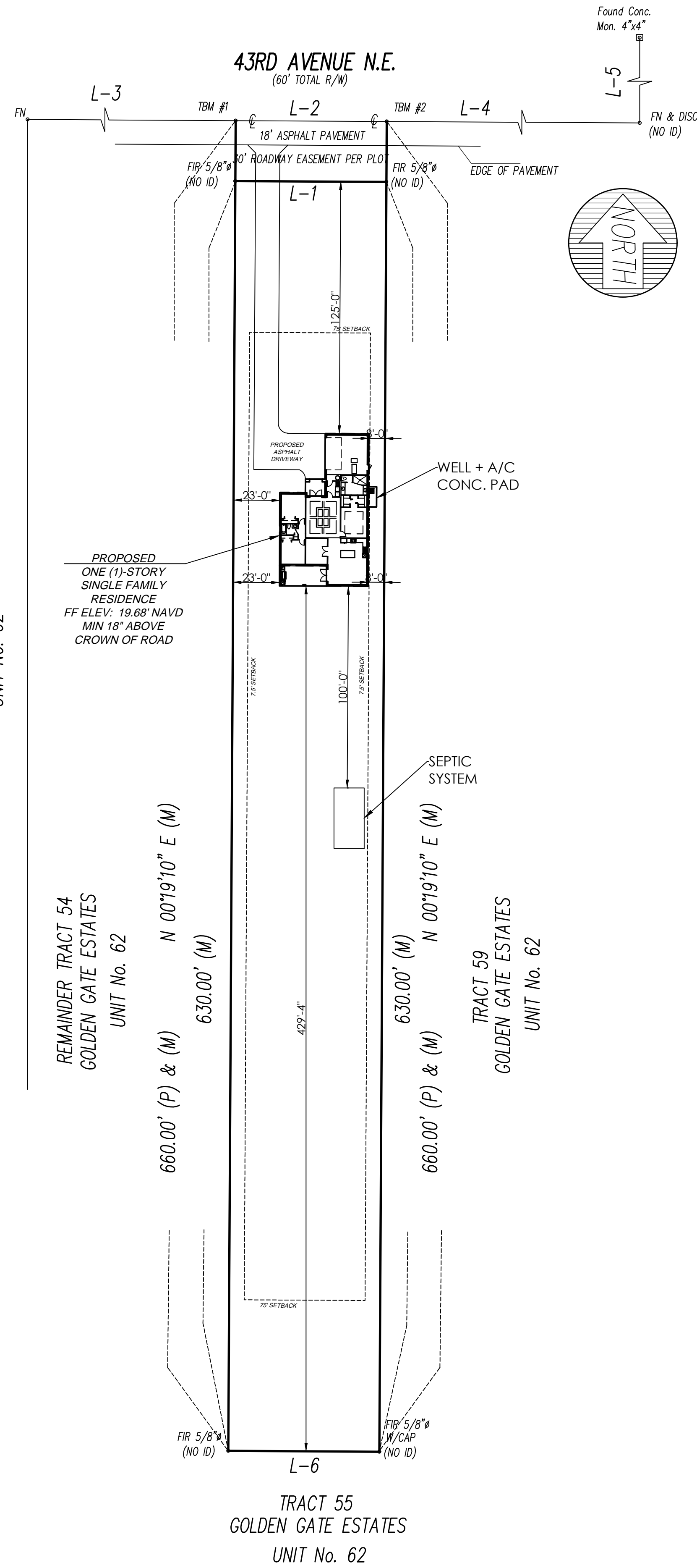


RAO DESIGNS, LLC HEREBY RESERVES ITS COMMON LAW COPYRIGHT. THIS DOCUMENT IS THE PROPERTY OF RAO DESIGNS, LLC AND IS NOT TO BE REPRODUCED OR CHANGED AND/OR COPIED WITHOUT OBTAINING THE EXPRESSED WRITTEN CONSENT FROM RAO DESIGNS, LLC.

L-1 75.00' (P) & (M) S 89°40'50" E	L-2 75.00' (P) & (M) S 89°40'50" E	L-3 255.00' (P) & (M) S 89°40'50" E
L-4 990.00' (P) & (M) S 89°40'50" W	L-5 30.00' (P) & (M) N 00°19'10" E	L-6 75.00' (P) & (M) S 89°40'50" E

SITE BECHMARKS
TBM # 1 Found PK Nail & Disk (No ID) Center Line of Road Elevation= 18.18' (NAVD 1988)
TBM # 2 Found PK Nail & Disk (No ID) Center Line of Road Elevation= 18.15' (NAVD 1988)

TRACT 43
GOLDEN GATE ESTATES
UNIT No. 62



SITE PLAN
SCALE: NTS

LEGEND:	
	DRAINAGE DIRECTION ARROW TO ROW SWALE

BOUNDARY INFORMATION IS PER SURVEY:
PRISMA LAND SURVEYORS, LLC.
SURVEY NO: P.M.G. 16458

LEGAL DESCRIPTION:
THE EAST 75 FEET OF THE EAST 150 FEET OF TRACT 54, OF GOLDEN GATE ESTATES, UNIT No. 62, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, AT PAGE 87, OF THE PUBLIC RECORDS OF COLLIER COUNTY, FLORIDA.

FLOOD ZONE INFORMATION:
THE NFIP FLOOD MAPS HAVE DESIGNATED THE HEREIN DESCRIBED LAND TO BE SITUATED IN:
FLOOD ZONE: "AH"
BASE FLOOD ELEVATION: 18.50 FT.
COMMUNITY: 120067
PANEL: 0245
SUFFIX: H
DATE OF FIRM: 05/16/2012
THE SUBJECT PROPERTY DOES LIE IN A SPECIAL FLOOD HAZARD AREA.

CERTIFIED SURVEYOR TO VERIFY
SETBACKS, PLACEMENT, FF ELEVATION
AND SEPTIC ELEVATION

NOTE:
IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND CONFIRM THE DESIGN OF THIS STRUCTURE, VERIFYING DIMENSIONS AND DETAILS THAT CONTRIBUTE TO OWNER SPECIFICATION. ANY DISCREPANCIES ARE TO BE RELAYED TO DESIGNER AND ENGINEER OF RECORD.
CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

© 2018 RAO DESIGNS, LLC

Rao Designs, LLC
ANTONIO RAO 239-243-1534
3606 ENTERPRISE AVE #210 NAPLES, FLORIDA 34104
antoniorao1@gmail.com

RAO DESIGNS LLC HEREBY RESERVE ITS COMMON LAW COPYRIGHT. THIS DOCUMENT IS THE PROPERTY OF RAO DESIGNS LLC AND IS TO BE REPRODUCED OR CHANGED AND OR COPIED WITHOUT OBTAINING THE EXPRESSED WRITTEN CONSENT FROM RAO DESIGNS LLC.

Quattrone & Associates, Inc.
Engineers, Planners, & Development Consultants
4301 Veneta Shumaker Blvd - Fort Myers, Florida 33916 - 238-886-5222
Certificate of Authorization Number: 8465

IF ANY ERRORS OR OMISSIONS EXIST IN THESE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL FIELD DATA AND SURVEY INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES.

REVISIONS: DATE:	
	x.
	x.
	x.
	x.

Drawn AR	CHECK BY AQ
1-17-18	18-005

1/4" = 1'-0"

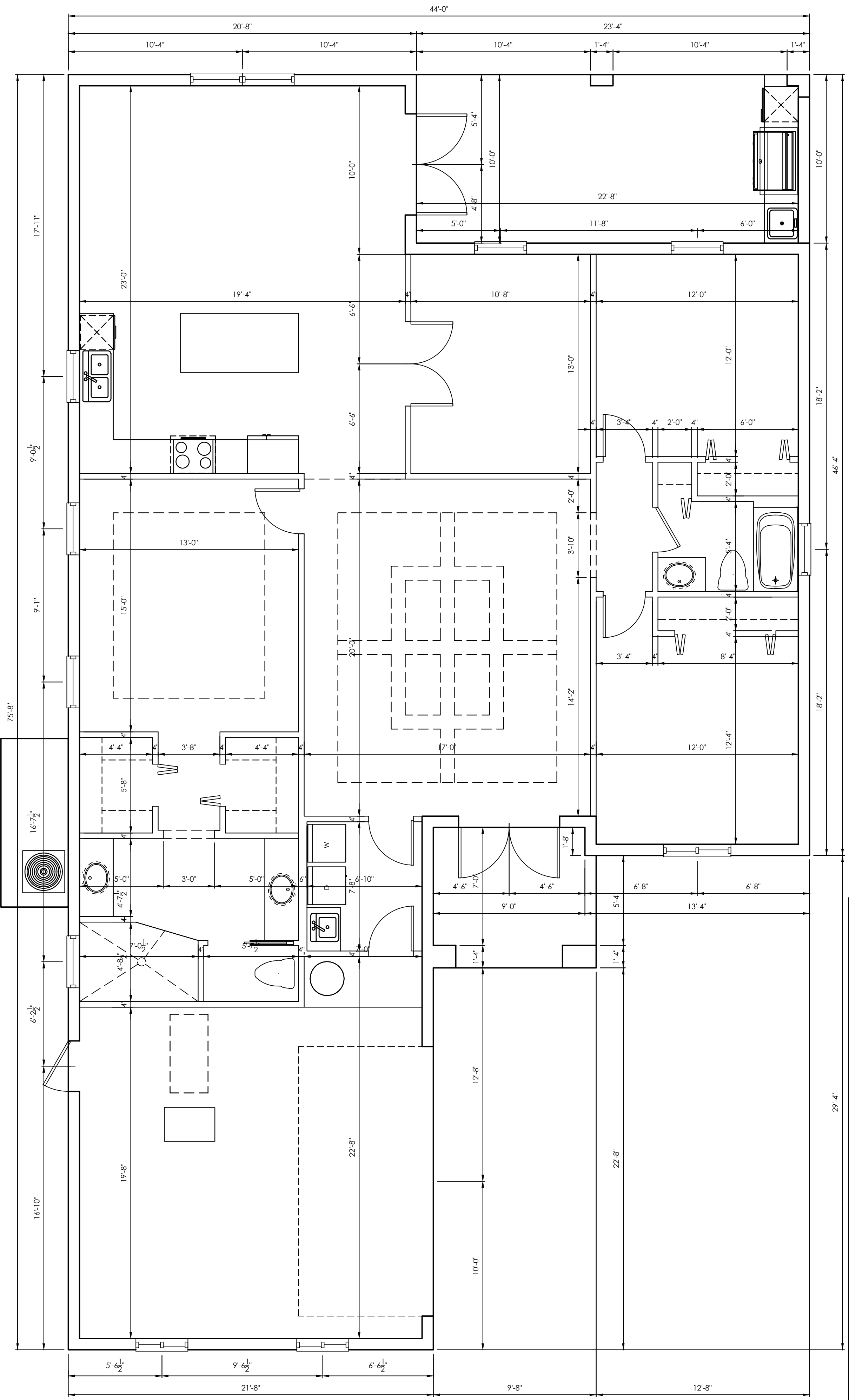
SPEC HOME
SINGLE FAMILY RESIDENCE
Parcel No. 39776520005
43RD AVE NE
NAPLES, FL 34120

APPROVED
THIS STRUCTURE MEETS ALL REQUIREMENTS OF THE 2017 FL. BUILDING CODES

ALFRED J. QUATTRONE
FLORIDA P.E. #52741

MON. 1-22-2018 5:23 PM
PLOTTED BY: ANTONIO

S-P



Per FBC R302.5.1 Residential. Openings from a private garage into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 [35mm] inches in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches [35mm] thick or 20-minute fire-rated doors, equipped with a self-closing device.

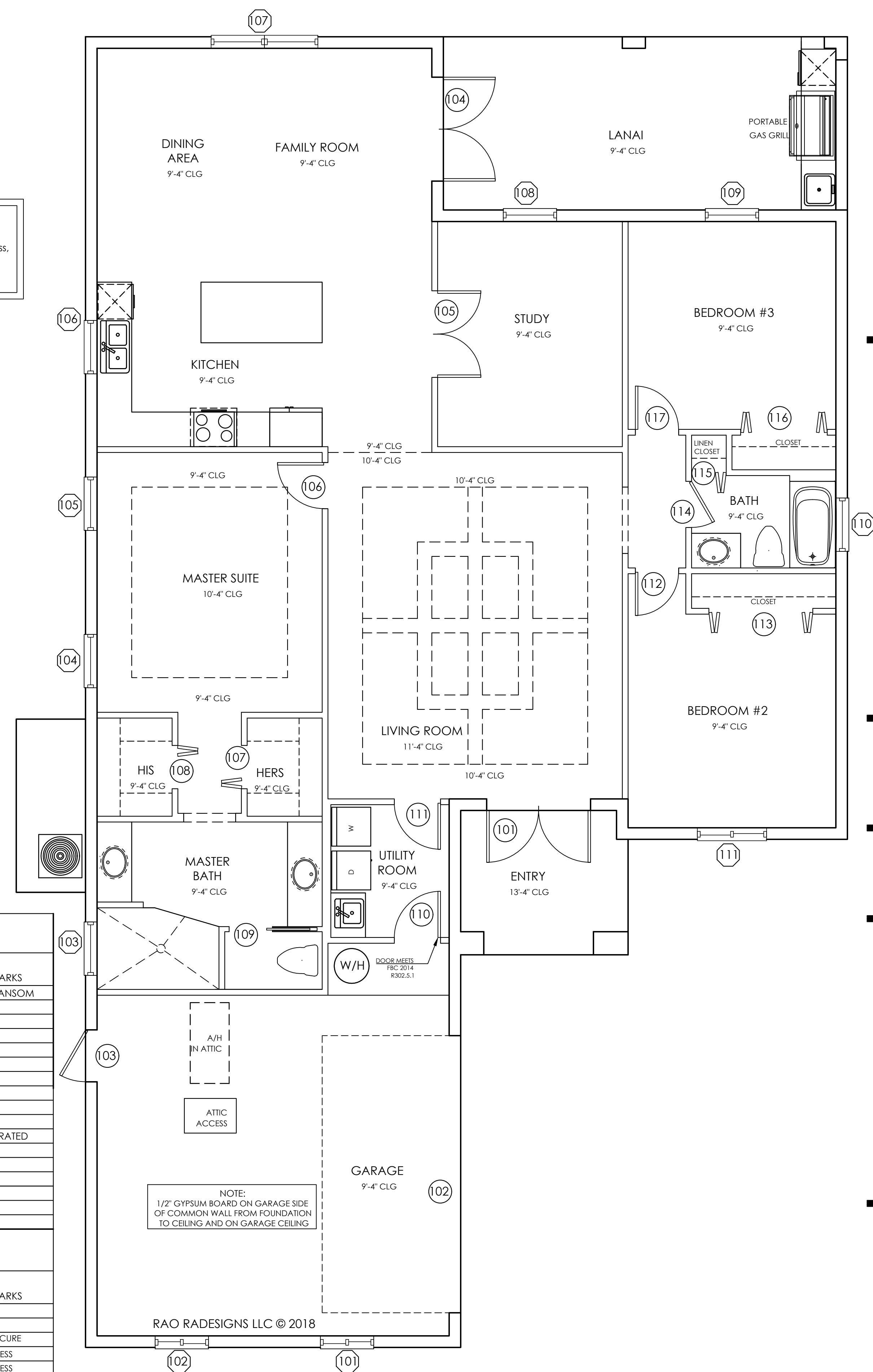
NOTE:
ALL GLASS IN WINDOWS OR DOORS THAT ENCR OACH BELOW 60" FROM FINISHED FLOOR, MUST COMPLY WITH FBC 2406.3 / FBC R308.4 TEMPERED GLASS IN HAZARDOUS LOCATIONS.

NOTES:
1) ALL EXTERIOR DOORS SHALL BE 1-3/4" FIBERGLASS
2) ALL INTERIOR DOORS SHALL BE HOLLOW CORE UNLESS NOTED OTHERWISE.
3) ALL BI-FOLDS TO BE CASED W/CASING AND BRICK MOLD.
4) INT. WALLS TO BE 2X4 STUDS

AREA CALCULATIONS	
LIVING AREA	1,962 SQ. FT.
COVERED ENTRY	80 SQ. FT.
LANAI	233 SQ. FT.
GARAGE	463 SQ. FT.
TOTAL SQ. FT.	2,738 SQ. FT.

DOOR SCHEDULE #						
NO.	STYLE	SIZE		MATERIAL	PROTECTION	REMARKS
		WIDTH	HEIGHT			
101	SWING-EXT	6'-0"	8'-0"	ALUMINUM	SHUTTER	W/ 18" TRANSOM
102	GARAGE O.H.	16'-0"	8'-0"	METAL	IMPACT	
103	SWING-EXT	3'-0"	8'-0"	FIBERGLASS	SHUTTER	
104	SWING-EXT	6'-0"	8'-0"	ALUMINUM	SHUTTER	
105	SWING	5'-0"	8'-0"	HC		
106	SWING	2'-8"	8'-0"	HC		
107	BI-FOLD	2'-6"	8'-0"	HC		
108	BI-FOLD	2'-6"	8'-0"	HC		
109	POCKET	2'-6"	8'-0"	HC		
110	SWING	2'-8"	8'-0"	HC		
111	SWING	2'-8"	8'-0"	STEEL		20 MIN RATED
112	SWING	2'-8"	8'-0"	HC		
113	BI-FOLD	6'-0"	8'-0"	HC		
114	SWING	2'-8"	8'-0"	HC		
115	BI-FOLD	2'-0"	8'-0"	HC		
116	BI-FOLD	5'-0"	8'-0"	HC		
117	SWING	2'-8"	8'-0"	HC		

WINDOW SCHEDULE #						
NO.	STYLE	SIZE		MATERIAL	PROTECTION	REMARKS
		WIDTH	HEIGHT			
101	ORIZONATAL ROLLER	3'-1"	5'-3"	ALUM.	SHUTTER	
102	ORIZONATAL ROLLER	3'-1"	5'-3"	ALUM.	SHUTTER	
103	SINGLE HUNG	3'-1"	3'-2"	ALUM.	SHUTTER	OBSCURE
104	SINGLE HUNG	3'-1"	5'-3"	ALUM.	SHUTTER	EGRESS
105	SINGLE HUNG	3'-1"	5'-3"	ALUM.	SHUTTER	EGRESS
106	SINGLE HUNG	3'-1"	4'-0"	ALUM.	SHUTTER	
107	DBL SINGLE HUNG	3'-1"	5'-3"	ALUM.	SHUTTER	
108	SINGLE HUNG	3'-1"	5'-3"	ALUM.	SHUTTER	EGRESS
109	SINGLE HUNG	3'-1"	5'-3"	ALUM.	SHUTTER	EGRESS
110	SINGLE HUNG	3'-1"	3'-2"	ALUM.	SHUTTER	OBSCURE
111	ORIZONATAL ROLLER	4'-6"	5'-3"	ALUM.	SHUTTER	



NOTED FLOOR PLAN
SCALE: 1/4" = 1'-0"

© 2018 RAO DESIGNS, LLC

NOTE:
IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND CONFIRM THE DESIGN OF THIS STRUCTURE, VERIFYING DIMENSIONS AND DETAILS THAT CONTRIBUTE TO OWNER SPECIFICATION. ANY DISCREPANCIES ARE TO BE RELAYED TO DESIGNER AND ENGINEER OF RECORD.
CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

REVISIONS: DATE:	
△ x	
△ x	
△ x	
△ x	

Drawn AR	CHECK BY AQ
1-17-18	18-005
1/4" = 1'-0"	

SPEC HOME
SINGLE FAMILY RESIDENCE
Parcel No. 39776520005
43RD AVE NE
NAPLES, FL 34120

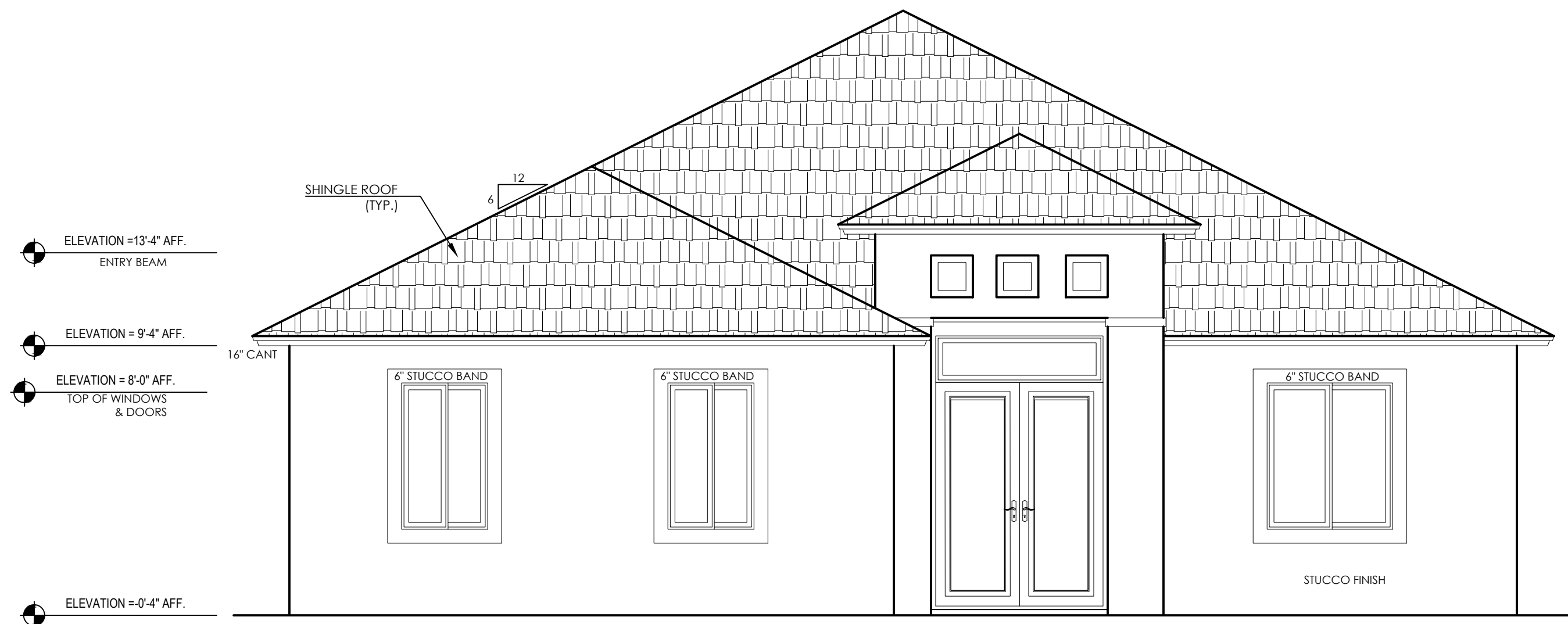
APPROVED
THIS STRUCTURE MEETS ALL REQUIREMENTS OF THE 2017 FL. BUILDING CODES
ALFRED J. QUATRONE
FLORIDA P.E. #52741
MON. 1-22-2018 5:24 PM
PLOTTED BY: ANTONIO

A-1

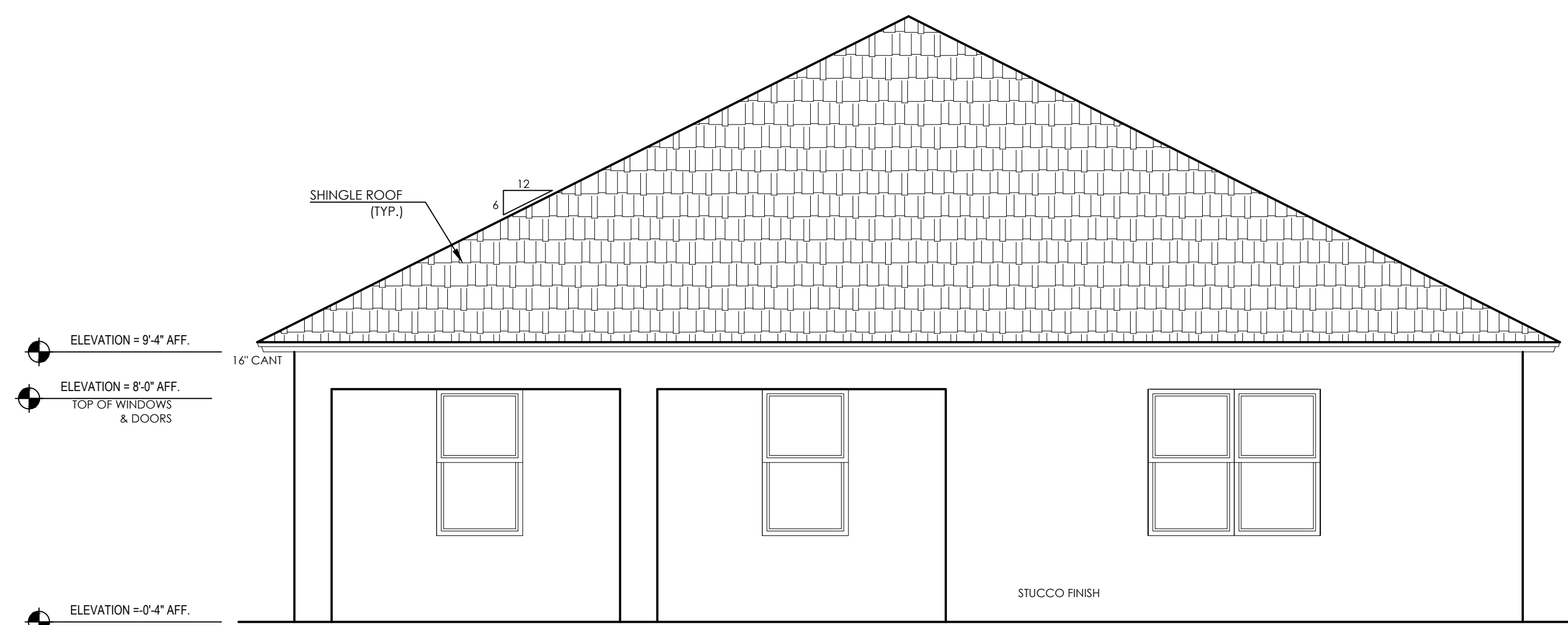
Quatrone & Associates, Inc.
Engineers, Planners, & Development Consultants
4301 Veneta Shores Blvd. - Fort Myers, Florida 33916 - 238-898-5222
Certificate of Authorization Number 9466

Rao Designs, LLC
ANTONIO RAO 239-243-1534
3606 ENTERPRISE AVE #210 NAPLES, FLORIDA 34104
antoniorao1@gmail.com

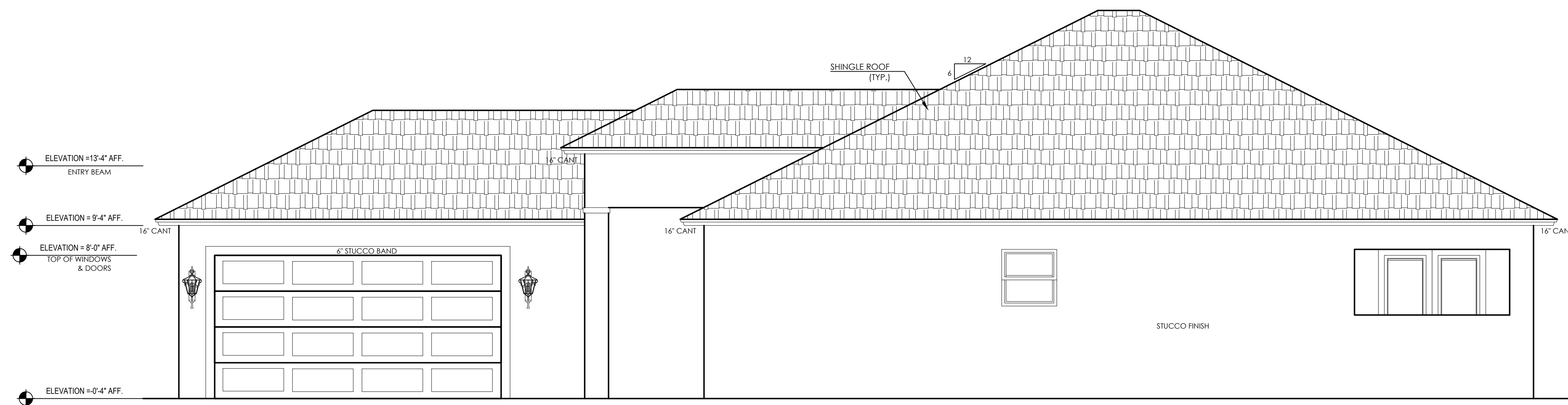
RAO DESIGNS, LLC HEREBY RESERVES ITS COMMON LAW COPYRIGHT. THIS DOCUMENT IS THE PROPERTY OF RAO DESIGNS, LLC. IT IS TO BE REPRODUCED OR CHANGED AND OR COPIED WITHOUT OBTAINING THE EXPRESSED WRITTEN CONSENT FROM RAO DESIGNS, LLC.



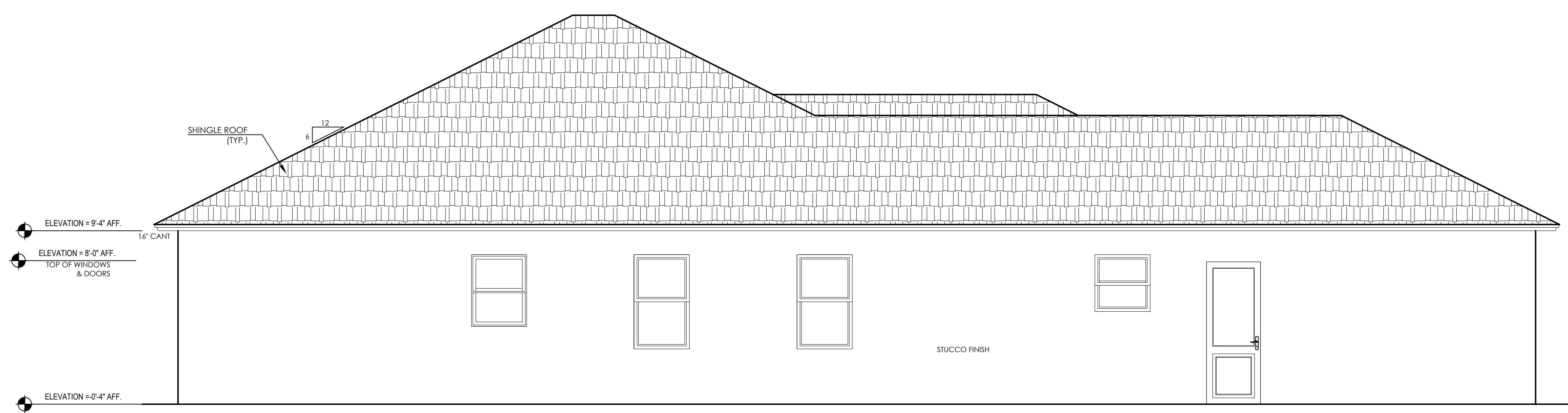
FRONT ELEVATION
SCALE: 1/4" = 1'-0"



REAR ELEVATION
SCALE: 1/4" = 1'-0"



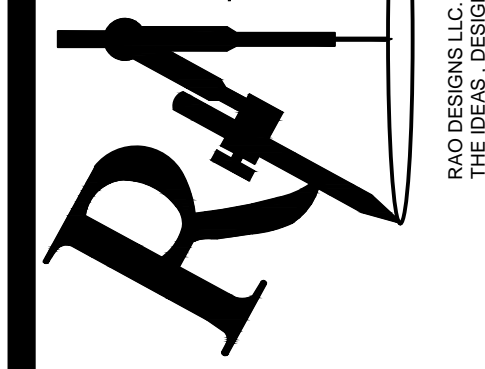
RIGHT ELEVATION
SCALE: 1/4" = 1'-0"



LEFT ELEVATION
SCALE: 1/4" = 1'-0"

NOTE:
IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND CONFIRM THE DESIGN OF THIS STRUCTURE, VERIFYING DIMENSIONS AND DETAILS THAT CONTRIBUTE TO OWNER SPECIFICATION. ANY DISCREPANCIES ARE TO BE RELAYED TO DESIGNER AND ENGINEER OF RECORD.
CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

© 2018 RAO DESIGNS, LLC



Rao Designs, LLC
ANTONIO RAO 239-243-1534
3606 ENTERPRISE AVE #210 NAPLES, FLORIDA 34104
antoniorao1@gmail.com

RAO DESIGNS, LLC HEREBY RESERVES ITS COMMON LAW COPYRIGHT, AND THE RIGHT TO MAKE ANY CHANGES OR CORRECTIONS TO BE REPRODUCED OR CHANGED AND OR COPIED WITHOUT OBTAINING THE EXPRESSED WRITTEN CONSENT FROM RAO DESIGNS, LLC.

Quattrone & Associates, Inc.
Engineers, Planners, & Development Consultants
4311 Veneta Shumaker Blvd - Fort Myers, Florida 33916 • 239-886-5222
Certificate of Authorization Number: 8465
• QUATTRONE & ASSOCIATES, INC. AND
• QUATTRONE & ASSOCIATES, INC. ARE
RESPONSIBLE FOR SUPERVISION OF CONSTRUCTION OR
WITHIN 10 DAYS AFTER RECEIPT OF THESE DRAWINGS, AND
INC. OR QUATTRONE & ASSOCIATES, INC. SHALL BE
RESPONSIBLE FOR THE RESULTS AND COSTS OF RECTIFYING
BIDDING PROPOSALS.
THE MAXIMUM LIABILITY TO QUATTRONE & ASSOCIATES, INC.
AND QUATTRONE & ASSOCIATES, INC. SHALL NOT EXCEED
THE AMOUNT OF THE FEE PAID TO QUATTRONE & ASSOCIATES, INC. AND
QUATTRONE & ASSOCIATES, INC.

REVISIONS: DATE:

1	x
2	x
3	x
4	x

Drawn AR	CHECK BY AQ
1-17-18	18-005

1/4" = 1'-0"

SPEC HOME
SINGLE FAMILY RESIDENCE
Parcel No. 39776520005
43RD AVE NE
NAPLES, FL 34120



MON. 1-22-2018 5:24 PM
PLOTTED BY: ANTONIO

A-2

ELECTRICAL LEGEND

- 110v DUPLEX RECEPTACLE PER CODE
- 220v SIMPLEX RECEPTACLE PER CODE
- 110v GROUND FAULT INTERRUPT DUPLEX RECEPTACLE PER CODE
- 110v HALF HOT SWITCHED DUPLEX RECEPTACLE PER CODE
- GARAGE DOOR OPENER PUSH BUTTON
- GARAGE MOTOR DOOR OPENER
- CABLE T.V.
- SMOKE DETECTOR
- SINGLE POLE SWITCH
- 3-WAY SWITCH
- 4-WAY SWITCH
- TELEPHONE OUTLET
- EQUIPMENT CONNECTOR
- RECESSED CEILING LIGHT FIXTURE
- VAPOR PROOF RECESSED DIRECTIONAL "EYEBALL" RECESSED CEILING LIGHT FIXTURE
- CEILING MOUNTED LIGHT FIXTURE
- UNDER CABINET "HOCKEY PUCK" LIGHT FIXTURE
- WALL MOUNT
- CEILING MOUNTED 2 BULB FLUORESCENT FIXTURE
- SECURITY CAMERA (POWER & VIDEO)
- INDICATES VAPOR PROOF FIXTURE
- SECURITY MOTION LIGHT
- WATER PROOF
- EXHAUST FAN
- CEILING FAN
- TELEVISION OUTLET 12" AFF TO CNTR.
- ELECTRICAL PANEL
- PENDANT LIGHT
- DISCONNECT FOR A/C

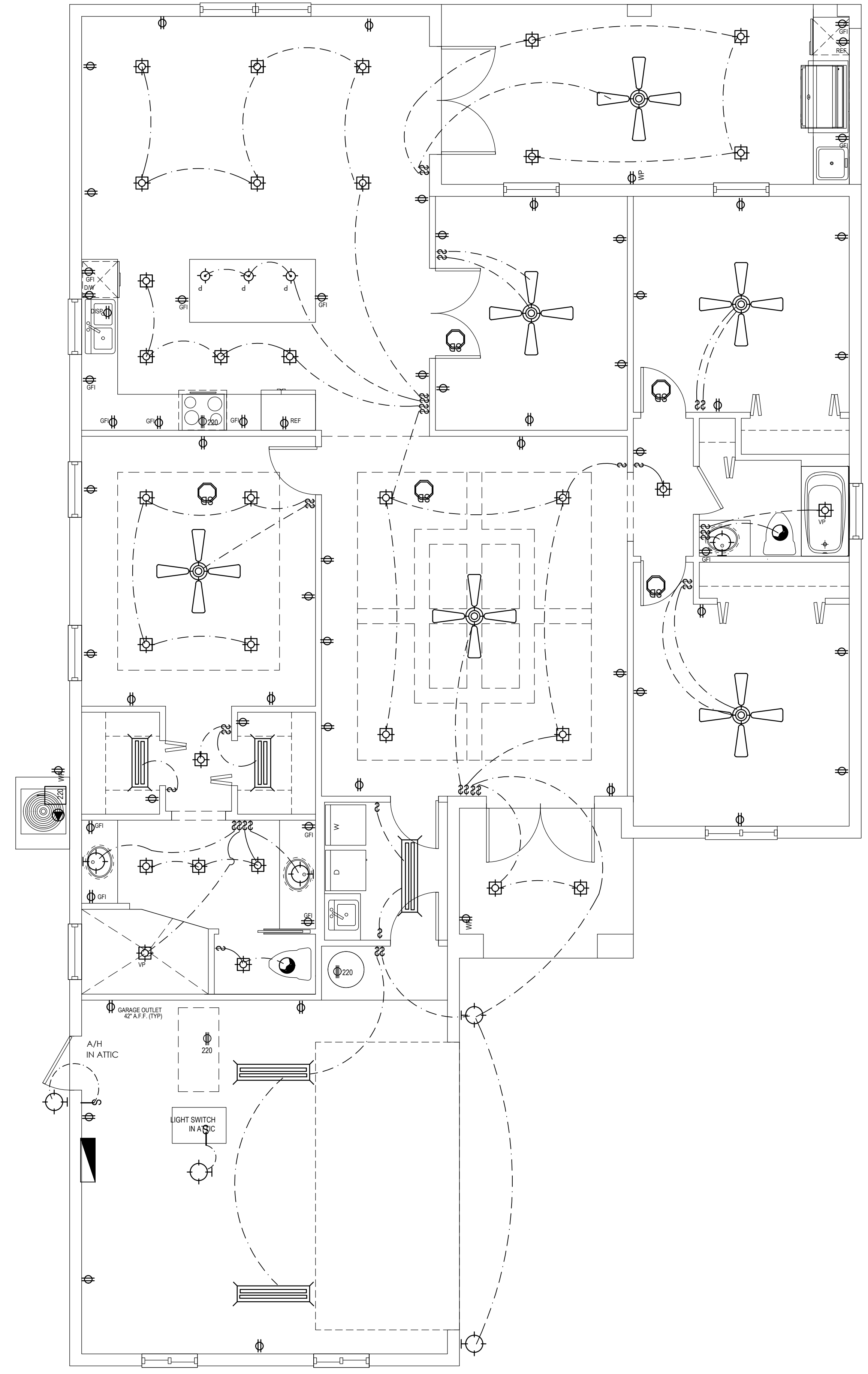
ELECTRICAL NOTES:

- 1) RISER DIAGRAM AND ITS INSTALLATION SHALL BE APPROVED AND COORDINATED WITH F.P.&L. (FLORIDA POWER AND LIGHT).
 - 2) ALL INSTALLATIONS SHALL USE MOST STRINGENT GUIDE INCLUDING THOSE SUPPLIED BY F.P.&L. (FLORIDA POWER AND LIGHT).
 - 3) ELECTRICAL CONTRACTOR SHALL CONFORM W/UNITED TELEPHONE SERVICE OR TELEPHONE SERVICE INVOLVED IN THIS CONSTRUCTION
 - 4) COORDINATE INSTALLATION OF ELECTRICAL AND DEVICES W/OTHER TRADES, BEFORE INDIVIDUAL INSTALLATIONS CAN BEGIN (INCLUDING THE A/C SUB CONTRACT.
 - 5) VERIFY ALL OUTLET HEIGHTS (AND THEIR LOCATIONS INCLUDING FLOOR OUTLETS/JACKS) W/INTERIOR DESIGNER AND OTHER INVOLVED DESIGN PARTIES SUCH AS THE CABINET MAKER/OWNER/DEVELOPER/GENERAL CONTRACTOR.
- NOTE:
ELECT. CONTRACTOR SHALL VERIFY ALL LOADING (BREAKERS) AND WIRE SIZES BEFORE INSTALLATION WILL BEGIN

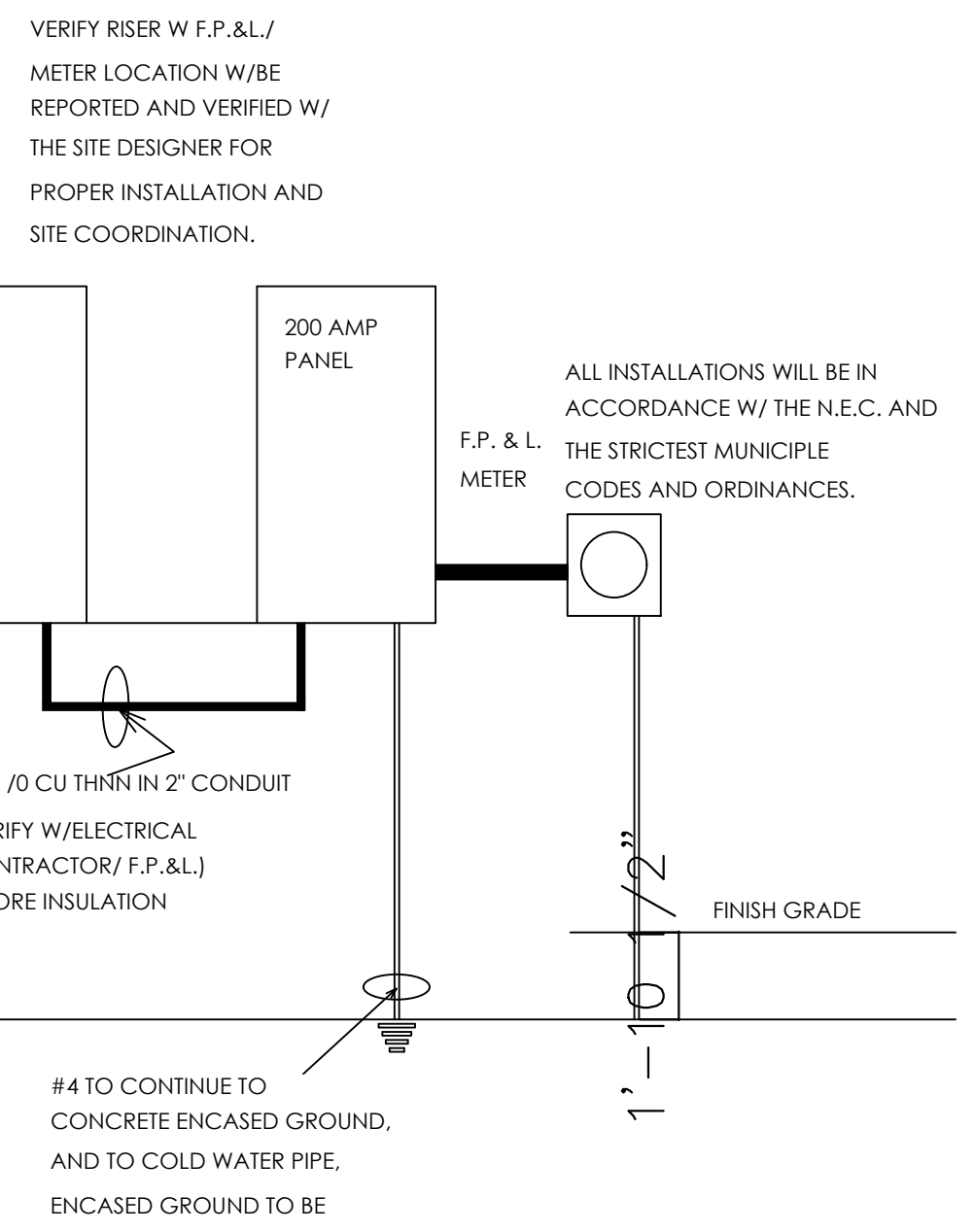
PANEL ARRANGEMENT IS FOR DEMONSTRATION PURPOSES ONLY AND ELECTRICAL CONTRACTOR AT HIS/HER DISCRETION MAY PLACE BREAKERS AND LOADS IN A DIFFERENT POSITION.-

EXAMPLE: OPTIONAL WHIRLPOOL PUMP IS ADDED FOR MASTER BATH. ARRANGE LOADS ON PANEL IN A NEW ARRANGEMENT.

- 1) MINIMUM WIRE SIZE SHALL BE #14 AWG. INSULATION FOR WIRE SIZE #6 AND SMALLER SHALL BE THWN, #14 AND LARGER SHALL THHN. ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID, #8 AND LARGER SHALL STRANDED (ROMEX MAY BE USED WERE APPROVED).
- 2) CIRCUIT LOCATION AND LOAD DATA ARE BASED ON INFORMATION GATHERED FROM THE CONTRACTOR. THE ELECTRICIAN SHALL VERIFY ALL DATA BEFORE CONSTRUCTION BEGIN INCLUDING PANEL SIZE/METER SIZE AND LOCATION/WIRE SIZES AND ALL MECHANICAL EQUIPMENT INC. POOL AND A/C..
- 3) ALL 120V SINGLE PHASE 15A AND 20A KITCHEN ISLAND AREA/BATHROOMS/EXTERIOR/GARAGE OUTLETS SHALL BE G.F.I.-NOTE: GARAGE AND EXTERIOR OUTLETS SHALL HAVE AN ADDITION TO G.F.I. WATERPROOF COVERS
- 4) CALCULATIONS ARE BASED ON COPPER CONDUCTORS.
- 5) ELECT. CONTRACTOR SHALL VERIFY ALL LOADING (BREAKERS) AND WIRE SIZES BEFORE INSTALLATION WILL BEGIN. PANEL ARRANGEMENT IS FOR DEMONSTRATION PURPOSES ONLY AND THE ELECTRICAL CONTRACTOR AT HIS OR HER DISCRETION MAY PLACE BREAKERS AND LOADS IN A DIFFERENT POSITION.



ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



ELECTRICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED ELECTRIC FOR A/C, POOL, WATER AND SECURITY SYSTEMS (IF APPLICABLE)

ELECTRICAL CONTRACTOR SHALL VERIFY ALL TYPES & LOCATIONS W/ G.C. PRIOR TO COMMENCEMENT

VERIFY WITH OWNER TO PRE-WIRE FOR FLOOD, SECURITY LIGHTS.

PROVIDE SMOKE/CARBON MONOXIDE DETECTORS POWERED BY HOUSE ELECTRIC WITH BATTERY MONITORED BACK UP. SHALL BE INSTALLED IN EACH SLEEPING ROOM AND IN THE HALL OR IMMEDIATELY OUTSIDE EACH SLEEPING AREA, AND ON THE HIGHEST CEILING POINT OF EACH ADDITIONAL STORY OF THE RESIDENCE. ALL SMOKE DETECTORS SHALL BE INTER-CONNECTED SO THE ACTIVITY OF ANY ONE DEVICE WILL CAUSE ALL TO SOUND.

NOTE: INSTALL SMOKE/CARBON MONOXIDE DETECTOR COMBOS WITH IN 10 FEET OF BEDROOMS AND A MIN. 3' FROM BATHROOM DOORS AND A.C. RETURNS

NOTE: AFCI PROTECTION IS REQUIRED FOR ALL 125 VOLT, SINGLE PHASE, 15 + 20 AMP RECEPTACLES IN ALL LIVING AREAS BY USING AFCI CIRCUIT BREAKERS OR AFCI RECEPTACLES

© 2018 RAO DESIGNS, LLC

NOTE:
IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND CONFIRM THE DESIGN OF THIS STRUCTURE, VERIFYING DIMENSIONS AND DETAILS THAT CONTRIBUTE TO OWNER SPECIFICATION. ANY DISCREPANCIES ARE TO BE RELAYED TO DESIGNER AND ENGINEER OF RECORD.
CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

Rao Designs, LLC
ANTONIO RAO 239-243-1534
3606 ENTERPRISE AVE #10 NAPLES, FLORIDA 34104
antoniorao1@gmail.com

Quattrone & Associates, Inc.
Engineers, Planners, & Development Consultants
4311 Veneta Shumaker Blvd - Fort Myers, Florida 33916 - 238-886-5222
Certificate of Authorization Number 9465

IF ANY ERRORS OR OMISSIONS EXIST IN THESE DRAWINGS OR ANY PART THEREOF, THE DESIGNER AND ENGINEER SHALL BE RESPONSIBLE FOR THE SAME. THE CONTRACTOR SHALL STRICTLY ADHERE TO ALL AND ALL REVISIONS AND AMENDMENTS TO THESE DRAWINGS AND SHALL BE RESPONSIBLE FOR THE RESULTS AND COSTS OF RECTIFYING THE SAME.

THE MAXIMUM LIABILITY TO QUATTRONE & ASSOCIATES, INC. AND QUATTRONE & ASSOCIATES, INC. AND QUATTRONE & ASSOCIATES, INC. SHALL NOT EXCEED THE AMOUNT OF THE FEE PAID TO QUATTRONE & ASSOCIATES, INC. FOR THE SERVICES PROVIDED.

REVISIONS: DATE:

△	x	
△	x	
△	x	
△	x	

Drawn **AR** CHECK BY **AQ**
1-17-18 File **18-005**
1/4" = 1'-0"

SPEC HOME
SINGLE FAMILY RESIDENCE
Parcel No. 39776520005
43RD AVE NE
NAPLES, FL 34120

APPROVED
THIS STRUCTURE MEETS ALL REQUIREMENTS OF THE 2017 FL. BUILDING CODES

ALFRED J. QUATTRONE
FLORIDA P.E. #52741

MON. 1-22-2018 5:29 PM
PLOTTED BY: ANTONIO

E-1

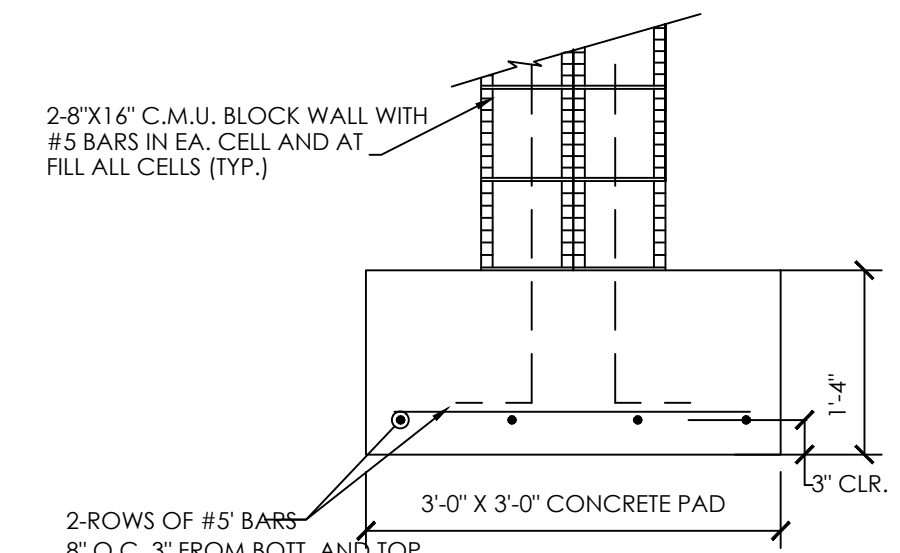
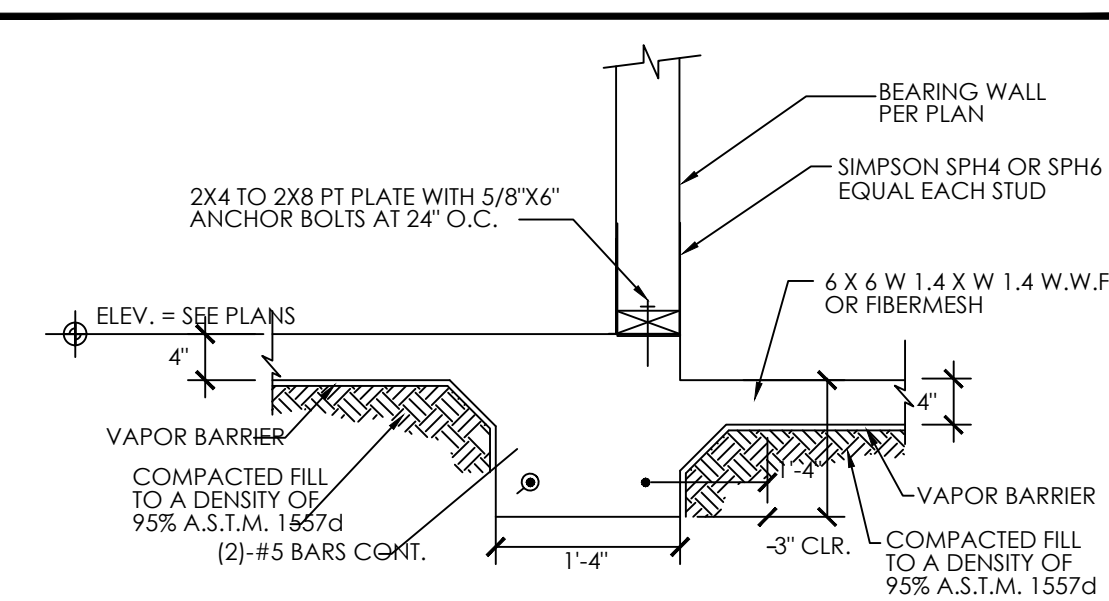
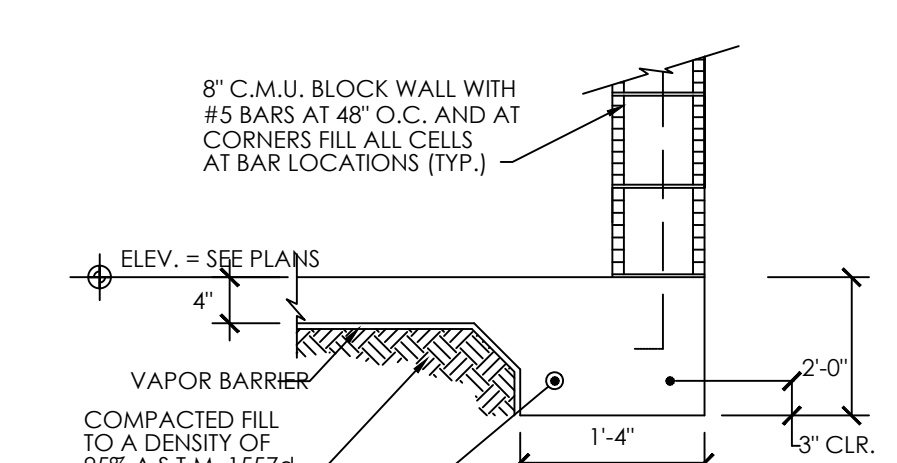
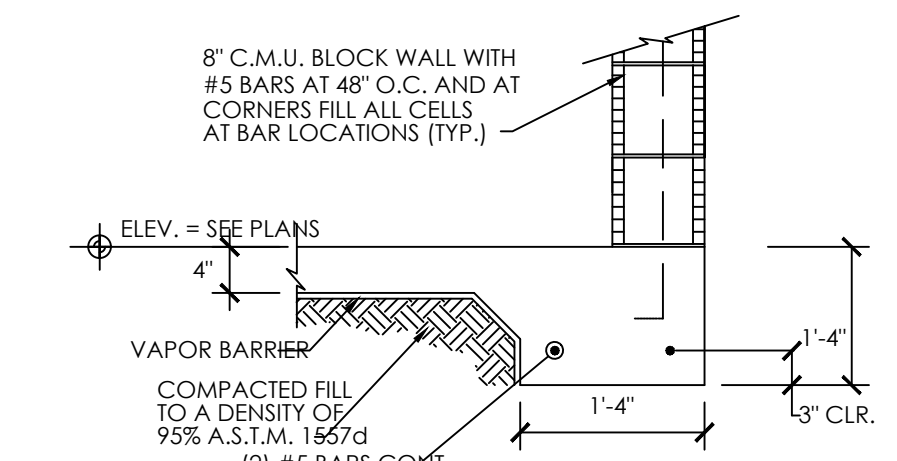
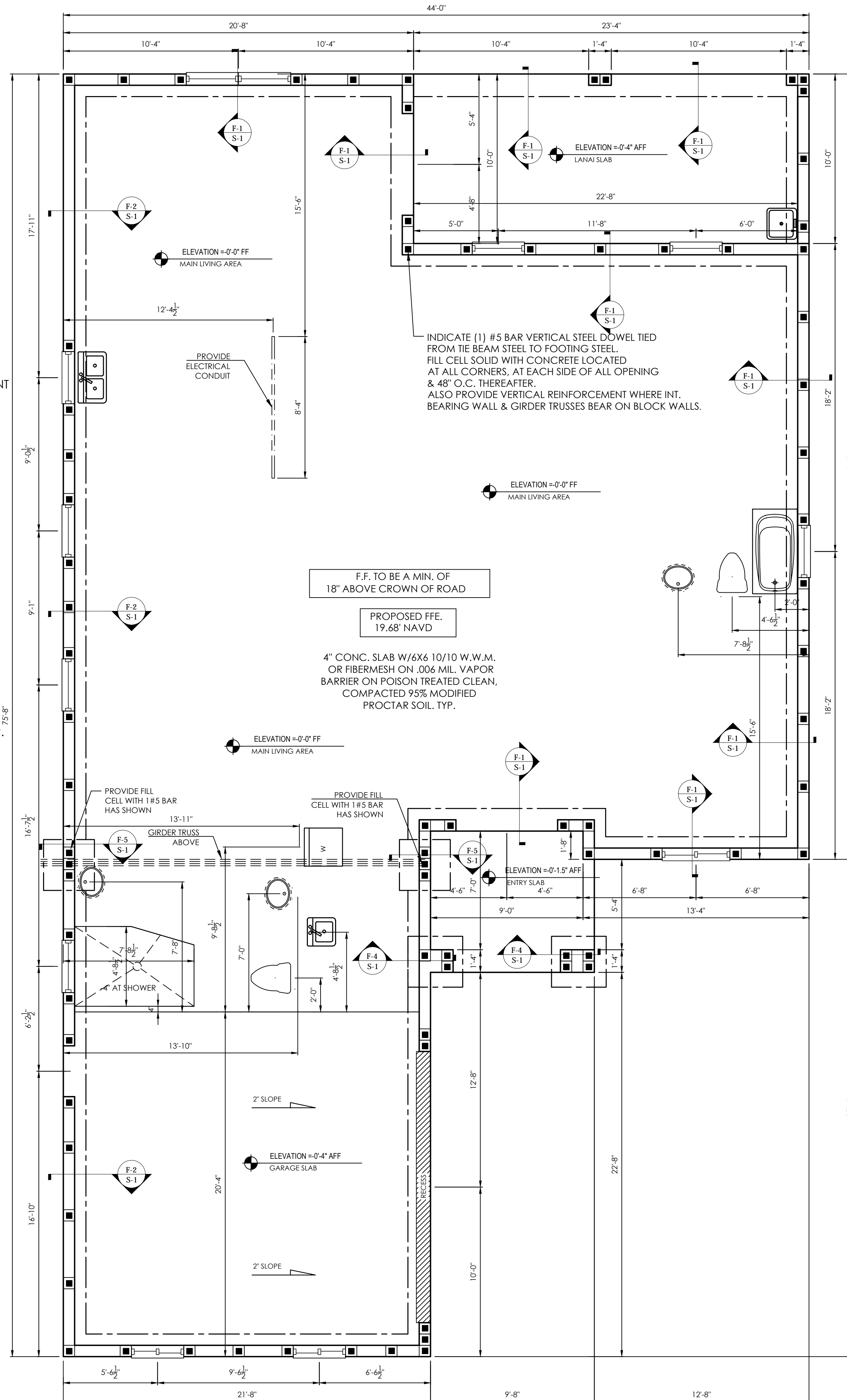
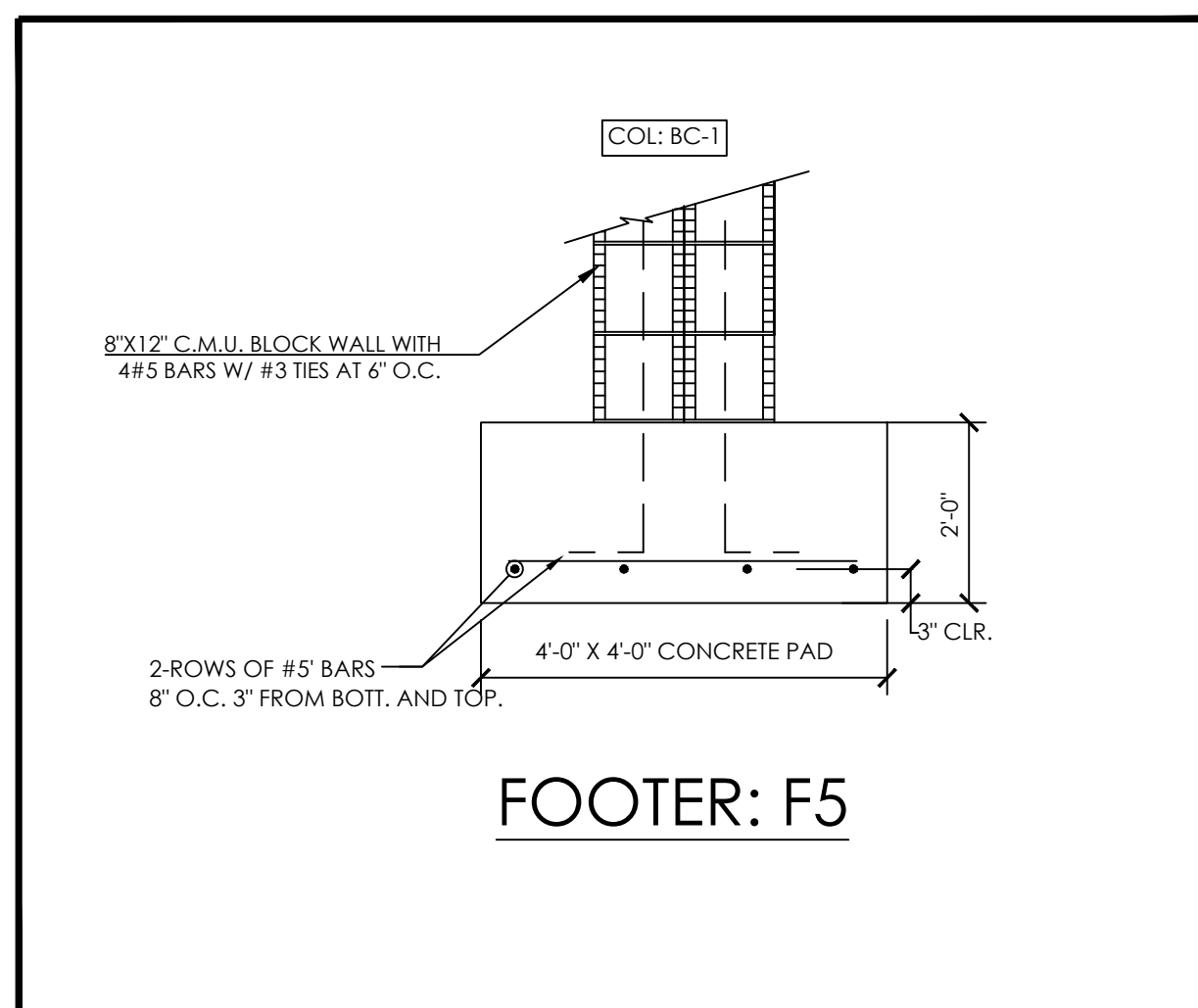
CONCRETE:

- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
- FILL UNDER CONCRETE SLABS SHALL BE CLEAN AND FREE FROM DEBRIS AND OTHER DELETERIOUS MATERIAL. FILL SHALL BE COMPACTED TO A DENSITY OF AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D1557)
- FOOTINGS SHALL BEAR UPON UNDISTURBED SOLID SOIL OR UPON SOLI COMPACTED TO A DENSITY OF AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) FOR A DEPTH OF AT LEAST THREE FEET BELOW THE BASE OF THE FOOTING.
- WHERE SHOWN, CORES OF BLOCK MASONRY SHALL BE FILLED WITH GROUT OR PEA GRAVEL CONCRETE WITH A MIN. COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
- REINFORCING STEEL SHALL BE No.5 OR No.4 BARS. ASTM A-615 GRADE 60 DEFORMED NEW BILLET STEEL CONFORMING TO ACI 301, ACI 315, ACI 318 AND CRSI MANUAL OF STANDARD PRACTICE, LATEST EDITIONS.
- R606.9.2 SPLICING. SPLICES SHALL BE LAP SPLICES. NON-CONTACT LAP SPLICES SHALL BE PERMITTED PROVIDED REINFORCING BARS ARE NOT SPACED FARTHER APART THAN 5 INCHES. SPLICE LENGTHS SHALL BE IN ACCORDANCE WITH THE TABLE R606.9.2 AND SHALL BE A MINIMUM OF 25 INCHES FOR No.5 BARS AND 20 INCHES FOR No.4 BARS.
- CONCRETE COVER OF REINFORCING STEEL SHALL BE AS FOLLOWS:
 - FOOTINGS: 3" BOT. AND SIDES, 2" TOP
 - BEAM: 1.5" BOT. SIDES AND TOP
 - COLUMNS 1.25"
 - SLABS ON GRADE: 3" BOT. 1" TOP
- R606.9.1 BUNDLING. BUNDLING SHALL BE PERMITTED WHEN TWO BARS ARE REQUIRED AT THE SAME LOCATION IN A WALL OR IN A BOND BEAM.
- (R606.9.9.1) OFFSET REINFORCEMENT. VERTICAL REINFORCEMENT SHALL BE PERMITTED TO BE OFFSET BETWEEN FLOOR LEVELS. REINFORCEMENT FOR THE LOWER STORY SHALL BE ANCHORED INTO THE UPPER FLOOR LEVEL BOND BEAM AND REINFORCEMENT FOR THE UPPER STORY SHALL BE ANCHORED INTO THE BOND BEAMS ABOVE AND BELOW IN ACCORDANCE WITH SECTION R606.9.8 AND FIGURES R606.9A AND R606.9B.
- (R606.9.10) METAL ACCESSORIES. JOINT REINFORCEMENT, ANCHORS, TIES AND WIRE FABRIC SHALL CONFORM TO THE FOLLOWING: ASTM A 82 FOR WIRE ANCHORS AND TIES; ASTM A 36 FOR PLATE, HEADED AND BENT-BAR ANCHORS; ASTM A 510 FOR CORRUGATED SHEET METAL ANCHORS AND TIES; ASTM A 951 FOR JOINT REINFORCEMENT; ASTM B 227 FOR COPPER-CLAD STEEL WIRE TIES; OR ASTM A 167 FOR STAIN-LESS STEEL HARDWARE.
- R606.10.1 CORROSION PROTECTION. MINIMUM CORROSION PROTECTION OF JOINT REINFORCEMENT, ANCHOR, TIES AND WIRE FABRIC FOR USE IN MASONRY WALL CONSTRUCTION SHALL CONFORM TO TABLE R606.9.10.1

FOUNDATION NOTES:

- FOR MISSED REBAR DRILL AND 8"x3/4" HOLE IN CONCRETE. CLEAN HOLE FREE OF ALL DUST AND DEBRIS. FILL WITH EPOXY, THEN INSERT No.5 BAR WITH A MINIMUM 25" LAP.
- FOR MISSED J-BOLT DRILL 5/8" HOLE X DEPTH APPROPRIATE ANCHOR. CLEAN HOLE FREE OF ALL DUST AND DEBRIS. INSERT 5/8" X 5" REDHEADS UNLESS NOTED OTHERWISE ON PLANS.
- FOOTING DOWEL BARS SHALL BE PROVIDED FOR ALL REQUIRED REINFORCEMENT IN THE FOLLOWING LOCATIONS:
 - AT ALL CORNERS.
 - AT EACH SIDE OF ALL OPENINGS.
 - AT ALL OTHER REINFORCING LOCATIONS (AS NOTED ON PLANS).
 - AT ALL GIRDER BEARING LOCATIONS.
 - AT 4 FEET ON CENTER MAXIMUM.
- CONTRACTOR AND OR SUB-CONTRACTOR SHALL REVIEW THE TRUSS PLACEMENT PLANS AND CONSTRUCTION PLANS TO COORDINATE PLACEMENT OF FOOTINGS, DOWELS AND VERTICAL REINFORCEMENT PRIOR TO ANY CONCRETE POUR.
- ISOLATED PADS TO HAVE A 12 INCHES MINIMUM COVER OVER CONCRETE.
- ALL FOUNDATIONS TO HAVE DOWEL RODS OR EMBEDDED RODS PER ARCHITECTURAL OR STRUCTURAL PLANS.
- BARS TO BE EVEN AND UNIFORMLY SPACED BASED ON MINIMUM COVER REQUIREMENTS.
- PAD FOOTING STEEL TO BE INDEPENDENT OF OTHER REINFORCING.
- EDGE OF SLAB TO BE RECESSED FOR GARAGE DOORS, EXTERIOR DOORS, AND SLIDING GLASS DOORS AS NOTED ON PLANS.

109.3.4 Termites. Building components and building surroundings required to be protected from termite damage in accordance with Section 1503.6, Section 2304.13 or Section 2304.11.6, specifically required to be inspected for termites in accordance with Section 211.4, or required to have chemical soil treatment in accordance with Section 1816 shall not be covered or concealed until the release from the building official has been received.



NOTE:
IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND CONFIRM THE DESIGN OF THIS STRUCTURE. VERIFYING DIMENSIONS AND DETAILS THAT CONTRIBUTE TO OWNER SPECIFICATION. ANY DISCREPANCIES ARE TO BE RELAYED TO DESIGNER AND ENGINEER OF RECORD.
CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

© 2018 RAO DESIGNS, LLC

Rao Designs, LLC
ANTONIO RAO 239-243-1534
3606 ENTERPRISE AVE #210 NAPLES, FLORIDA 34104
antoniorao1@gmail.com

Quattrone & Associates, Inc.
Engineers, Planners, & Development Consultants
4301 Veronica Shumaker Blvd - Fort Myers, Florida 33916 - 238-938-6222
Certificate of Authorization Number 9486
• QUATTRONE & ASSOCIATES, INC. AND ITS AFFILIATED COMPANIES SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THIS PROJECT.
• QUATTRONE & ASSOCIATES, INC. SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THIS PROJECT.
• QUATTRONE & ASSOCIATES, INC. SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THIS PROJECT.
• QUATTRONE & ASSOCIATES, INC. SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THIS PROJECT.

REVISIONS:	DATE:
△ x.	
△ x.	
△ x.	
△ x.	

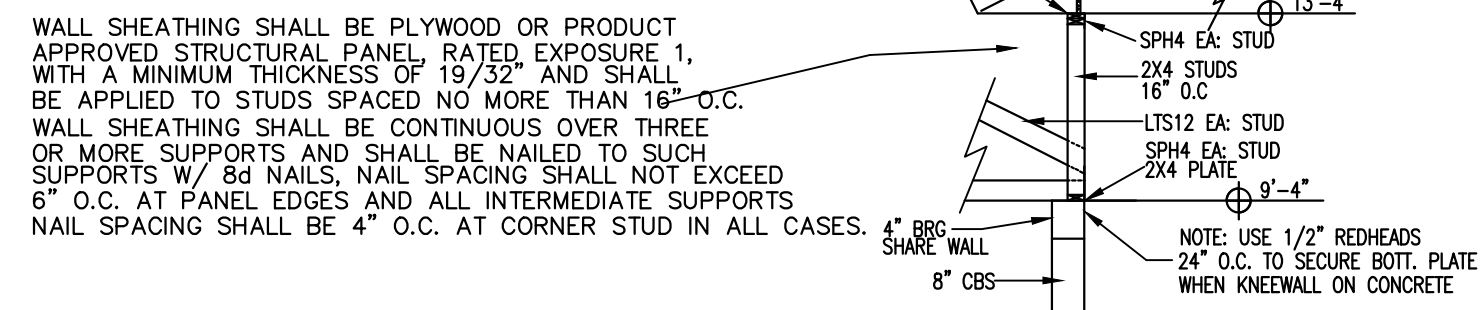
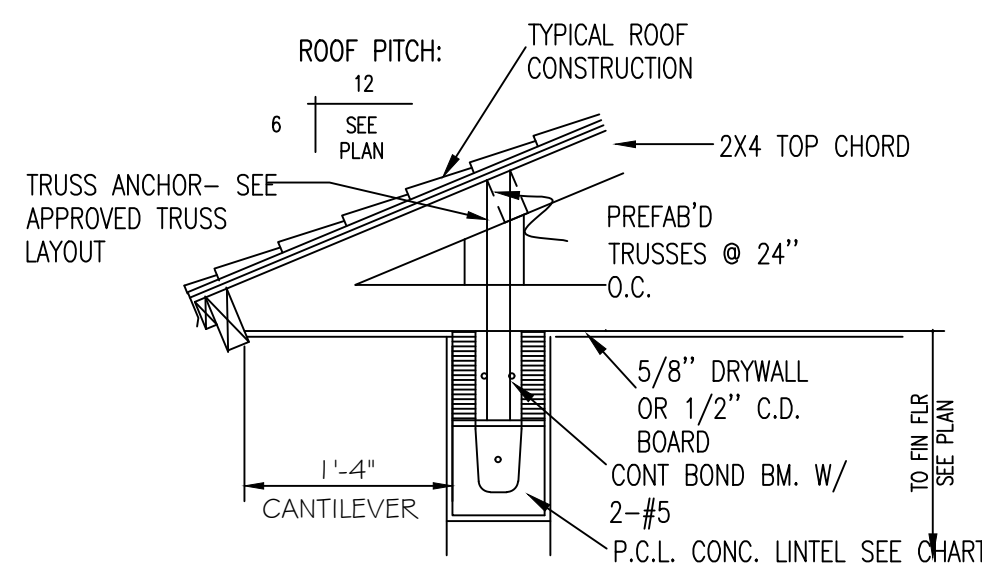
Drawn AR	CHECK BY AO
1-17-18	18-005
1/4" = 1'-0"	

SPEC HOME
SINGLE FAMILY RESIDENCE
Parcel No. 39776520005
43RD AVE NE
NAPLES, FL 34120

APPROVED
THIS STRUCTURE MEETS ALL REQUIREMENTS OF THE 2017 FL. BUILDING CODES
ALFRED J. QUATTRONE
FLORIDA P.E. #52741

MON. 1-22-2018 5:29 PM
PLOTTED BY: ANTONIO

S-1



THE ENGINEER HAS CONSIDERED AND TAKEN IN CONSIDERATION THE GRAVITY AND UPLIFT LOADS AS PER CUSTOM MADE HOME COMPONENTS. JOB # 18-005 DATED 1-17-18 INTO THE DESIGN OF THIS STRUCTURE.

WOOD BEAM SCHEDULE	
BEAM	WOOD BEAM DESCRIPTION
WB-1	(3) 2"x12" NO. 2 SYP AND (2) 5/8" PLYWOOD FLITCH PLATE
WB-2	

NOTES:
 ALL REACTIONS OVER 5000# AND ALL UPLIFTS THAT EXCEED 1000# ARE LISTED ON THIS LAYOUT
TRUSS BRACING
 SEE ENGINEERING DRAWINGS FOR TRUSS BRACING SPECIFICATIONS BY TRUSS MANUFACTURER, INCLUDING "T", LATERAL BRACING AND RIDGE BRACING. (i.e. HIP CATS)
INTERIOR BEARING WALLS
 STUDS SHALL BE @ MAX. 16" O.C. W/ 2"x BOTTOM PLATES (P.T. @ CONC.) AND DOUBLE TOP PLATES. SEE PLANS FOR LUMBER GRADES. BOTTOM PLATES AND LOWER TOP PLATES SHALL BE NAILED TO EACH STUD W/ 2-16G OR 4-8d TOENAILS. THE UPPER TOP PLATE SHALL BE NAILED TO THE LOWER TOP PLATE W/ 2 ROWS 10d NAILS @ 16" O.C. WALLS SHALL BE PROVIDED WITH CONTINUOUS MIDPOINT 2"x BLOCKING EQUALLY SPACED @ 4'-0" MAXIMUM NAILED W/ 2-16d NAILS OR 4-8d TOENAILS TO EACH STUD. OFFSET JOINTS IN TOP PLATES AT LEAST 24" (JOINTS OVER STUDS), ADDING 3-10d NAILS AT ENDS OF JOINT.
HEADERS IN INTERIOR BEARING WALLS
 HEADERS SHALL BE MINIMUM 2-2"x6" WITH 1/2" PLYWOOD SPACER, NAILED W/ 2 ROWS 16d NAILS @ 16" O.C. STAGGERED EACH PLY. PROVIDE MINIMUM 3" BEARING EACH END OF HEADER. ATTACH HEADER TO JACK STUDS W/ 1-SIMPSON LSTA18 EACH STUD TO HEADER. SEE PLANS FOR HEADER.

DESIGN CRITERIA	
ROOF	FLOOR
TC LIVE LOAD : 20 LBS	TC LIVE LOAD : 80 LBS
TC DEAD LOAD : 20 LBS	TC DEAD LOAD : 40 LBS
BC LIVE LOAD : 0 LBS	BC LIVE LOAD : 0 LBS
BC DEAD LOAD : 10 LBS	BC DEAD LOAD : 5 LBS
TOTAL LOAD : 50 LBS	TOTAL LOAD : 125 LBS
DURATION FACTOR: 1.25	DURATION FACTOR: 1.0

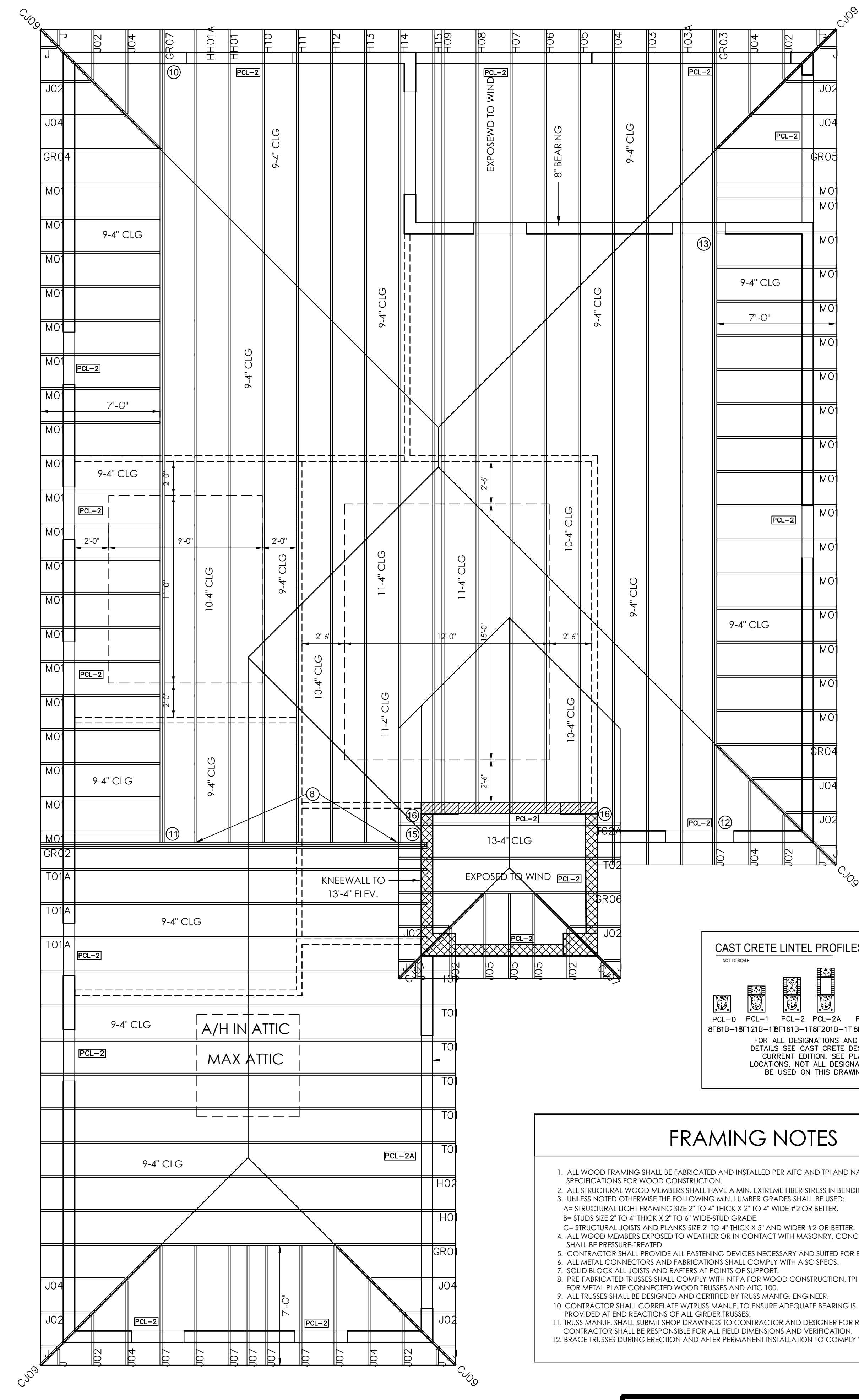
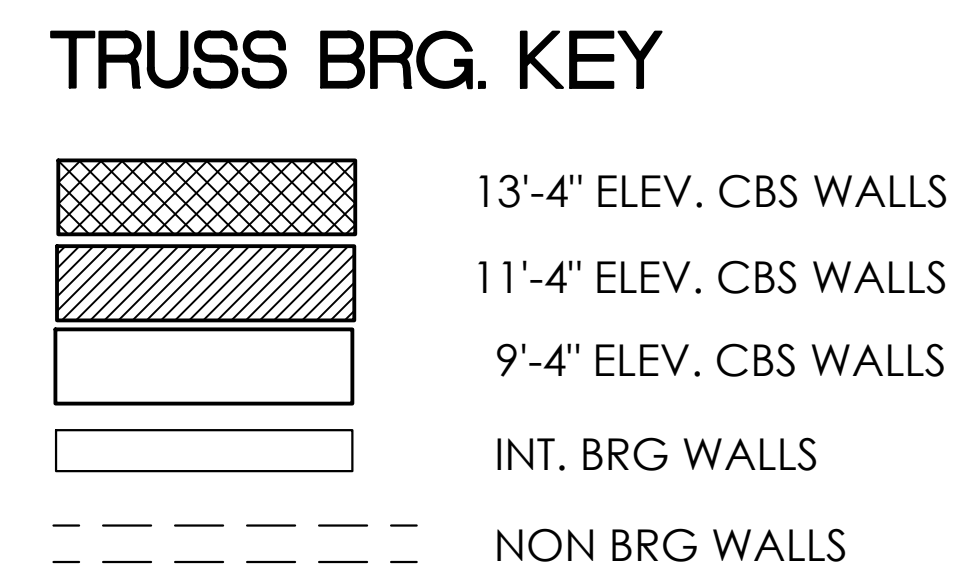
REACTIONS AND UPLIFTS				
#	REACTION	UPLIFT	CONC	
			(WOOD)	(WOOD)
1	0-1450		META20	CONCRETE
2	1450-1810		HETA20	CONCRETE
3	0-5140	0-2000	HHUS28-2	HANGER
4	1450-2900	2-HTS20		WOOD
5	1810-3620	2-HETA20		CONC
6	0-1450	HTS20		WOOD
7	0-4935	HD5B		CONCRETE
8	0-3335	0-1550	HUS26	HANGER
9	0-5,140	0-2000	HHUS28-2	HANGER
10	3,751	-1,615	2-HETA20	CONCRETE
11	4,122	-1,832	HHUS28-2	CONCRETE
12		-1,164	META20	CONCRETE
13	7,102	-2,999	HD5B	CONCRETE
14	7,003	-2,196	HD5A	CONCRETE
15	10,423	-2,634	HD5A	CONCRETE
16	4,125	-1,410	2-HTS20	WOOD
17				

WIND DESIGN METHOD DESIGN CRITERIA
 (ASCE 7-10 / T.P.I. 2014)
 M.W.F.R.S. / C-C- HYBRID WIND.....
 COMPONENTS AND CLADDING :
 BASIC WIND SPEED : 160 ULT. / 124 NOM.
 EXPOSURE CATEGORY : "B"
 RISK CATEGORY : 2
 OCCUPANCY CATEGORY : 1
 MEAN HEIGHT : 18'-0"
OPENING CONDITIONS
 PARTIALLY ENCLOSED :
 ENCLOSED BUILDING :
 OPEN BUILDING :

BEAM SCHEDULE FOR OPENINGS						
LABEL	OPENING	SIZE	T/R	I/R	B/R	STIRRUPS
B.BM	PERIMETER	8x8 2-COURSE	(1) No.5 ROD	CONTINUOUS		NOT REQUIRED
PCL-1	VARIABLE	REFER TO SPECIFIC LINTEL ENGINEERING FROM LINTLE MANUFACTURER.				
PCL-2	VARIABLE	REFER TO SPECIFIC LINTEL ENGINEERING FROM LINTLE MANUFACTURER.				
PCL-3	VARIABLE	REFER TO SPECIFIC LINTEL ENGINEERING FROM LINTLE MANUFACTURER.				
PCL-2A	VARIABLE	REFER TO SPECIFIC LINTEL ENGINEERING FROM LINTLE MANUFACTURER.				

T/R = TOP REINFORCEMENT
 I/R = INTERMEDIATE REINFORCEMENT
 B/R = BOTTOM REINFORCEMENT

NOTE: TOP BEAM REINFORCEMENT OVER ALL OPENINGS (IN ADDITION TO THAT REQUIRED FOR THE BASIC WALL TO BEAM) SHALL EXTEND A MINIMUM OF 16 INCHES PAST THE EDGE OF THE OPENING .



FRAMING NOTES

- ALL WOOD FRAMING SHALL BE FABRICATED AND INSTALLED PER AISC AND TPI AND NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
- ALL STRUCTURAL WOOD MEMBERS SHALL HAVE A MIN. EXTREME FIBER STRESS IN BENDING (FB)=1,200 P.S.I.
- UNLESS NOTED OTHERWISE THE FOLLOWING MIN. LUMBER GRADES SHALL BE USED:
 A- STRUCTURAL LIGHT FRAMING SIZE 2" TO 4" THICK X 2" TO 4" WIDE #2 OR BETTER.
 B- STUDS SIZE 2" TO 4" THICK X 2" TO 4" WIDE STUD GRADE.
 C- STRUCTURAL JOISTS AND PLANKS SIZE 2" TO 4" THICK X 5" AND WIDER #2 OR BETTER.
- ALL WOOD MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY, CONCRETE OR SOIL SHALL BE PRESURE-TREATED.
- CONTRACTOR SHALL PROVIDE ALL FASTENING DEVICES NECESSARY AND SITED FOR EACH APPLICATION.
- ALL METAL CONNECTORS AND FABRICATIONS SHALL COMPLY WITH AISC SPECS.
- SOLID BLOCK ALL JOISTS AND RAFTERS AT POINTS OF SUPPORT.
- PRE-FABRICATED TRUSSES SHALL COMPLY WITH NFPA FOR WOOD CONSTRUCTION. TPI DESIGN SPECS. FOR METAL PLATE CONNECTED WOOD TRUSSES AND AISC 100.
- ALL TRUSSES SHALL BE DESIGNED AND CERTIFIED BY TRUSS MANUF. ENGINEER.
- CONTRACTOR SHALL CORRELATE W/TRUSS MANUF. TO ENSURE ADEQUATE BEARING IS PROVIDED AT END REACTIONS OF ALL GIRDER TRUSSES.
- TRUSS MANUF. SHALL SUBMIT SHOP DRAWINGS TO CONTRACTOR AND DESIGNER FOR REVIEW. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS AND VERIFICATION.
- BRACE TRUSSES DURING ERECTION AND AFTER PERMANENT INSTALLATION TO COMPLY WITH TPI BWT-76.

NOTE:
 IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND CONFIRM THE DESIGN OF THIS STRUCTURE, VERIFYING DIMENSIONS AND DETAILS THAT CONTRIBUTE TO OWNER SPECIFICATION. ANY DISCREPANCIES ARE TO BE RELAYED TO DESIGNER AND ENGINEER OF RECORD.
 CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

Rao Designs, LLC
 ANTONIO RAO 239-243-1534
 3606 ENTERPRISE AVE #10 NAPLES, FLORIDA 34104
 antonio.rao1@gmail.com

Quattrone & Associates, Inc.
 Engineers, Planners, & Development Consultants
 4301 Venetia Shoppes Blvd - Fort Myers, Florida 33916 - 238-898-5222
 Certificate of Authorization Number: 9465

REVISIONS:

NO.	DATE	DESCRIPTION
1		
2		
3		
4		

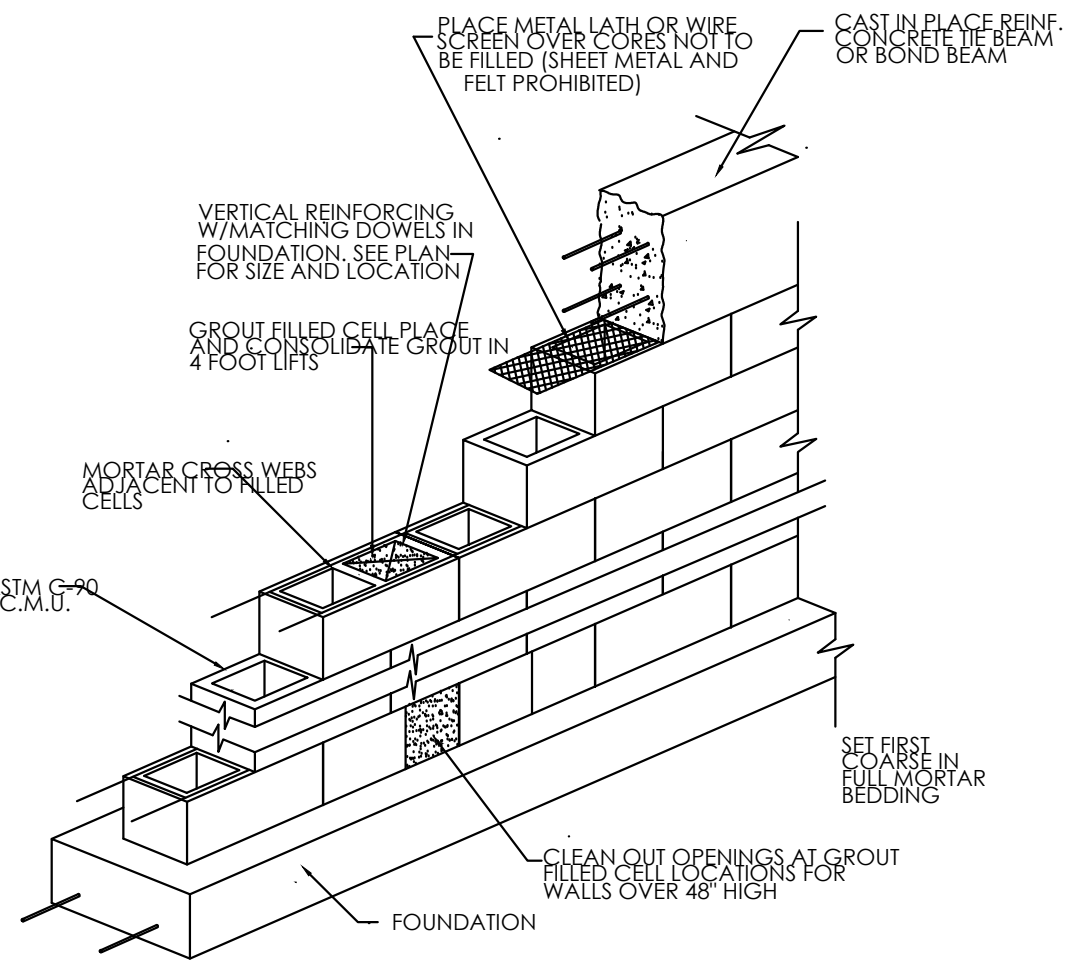
Drawn: AR
 Check: AQ
 1-17-18
 18-005
 1/4" = 1'-0"

SPEC HOME SINGLE FAMILY RESIDENCE
 Parcel No. 39776520005
43RD AVE NE NAPLES, FL 34120

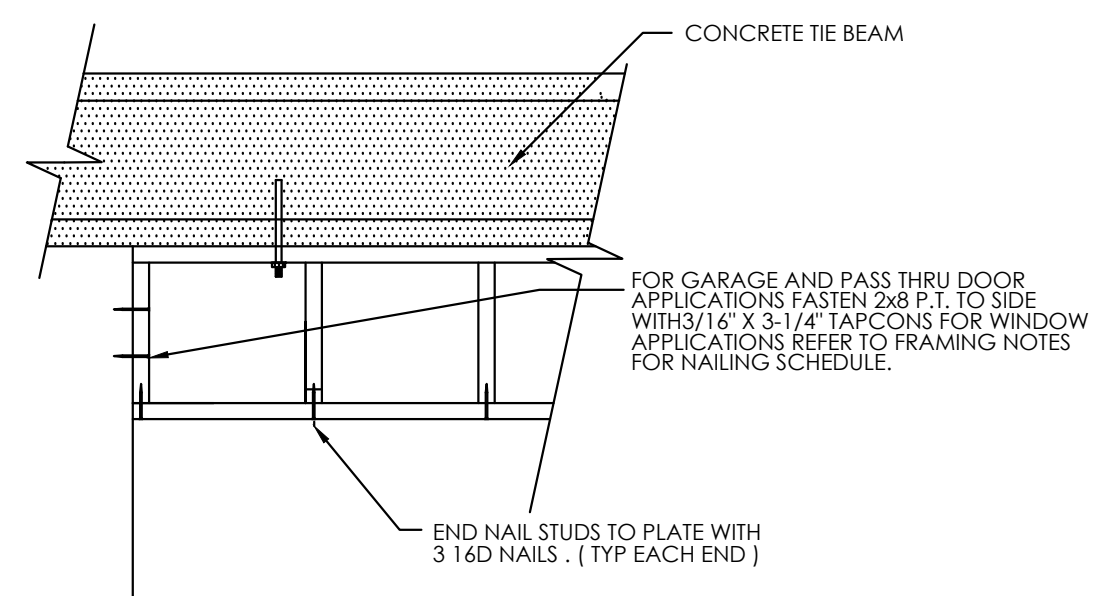
APPROVED
 THIS STRUCTURE MEETS ALL REQUIREMENTS OF THE 2017 FL. BUILDING CODES
 ALFRED J. QUATTRONE
 FLORIDA P.E. #52741
 MON. 1-22-2018 5:30 PM
 PLOTTED BY: ANTONIO

S-2

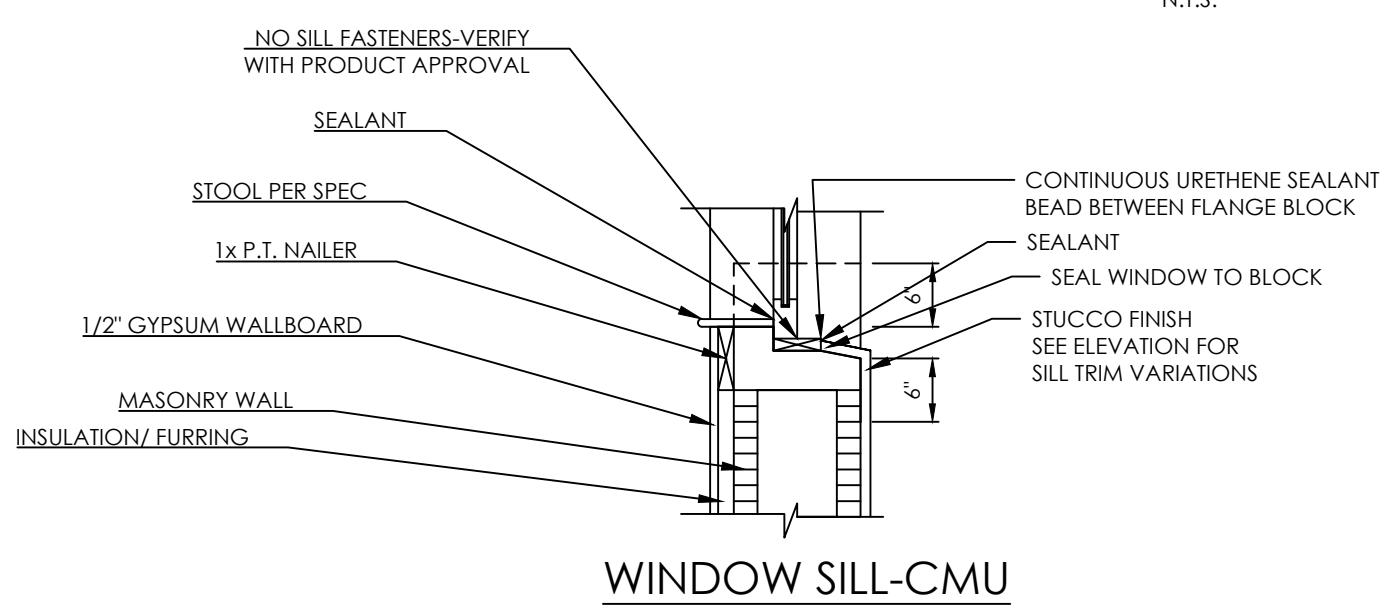
- FRAMING NOTES:**
- 1.) FOR WINDOW AND DOOR ATTACHMENT TO MASONRY USE BUCK IN BED OF LIQUID NAIL TO MASONRY SIDE AND TOP OF OPENING WITH 1" 3/4" x .097" POWER DRIVEN T-NAIL OR 3/16" x 2-1/4" TAPCONS. START AT 4" THEN 8" ON CENTER. ATTACH WINDOW IN ACCORDANCE WITH WINDOW MANUFACTURER'S SPECIFICATIONS.
 - 2.) FOR WINDOW ATTACHMENT TO FRAME USE MINIMUM (4) 8D NAILS PER EDGE. THEN 1/2" ON CENTER MAXIMUM.
 - 3.) FOR DOOR ATTACHMENT TO FRAME USE NO. 8 x 3" STEEL SCREWS. (2) AT HEADER, (3) AT LOCK SIDE AND (2) MINIMUM EACH HINGE.
 - 4.) CONTRACTOR AND OR SUB-CONTRACTOR TO REVIEW THE TRUSS PLACEMENT PLAN TO COORDINATE.



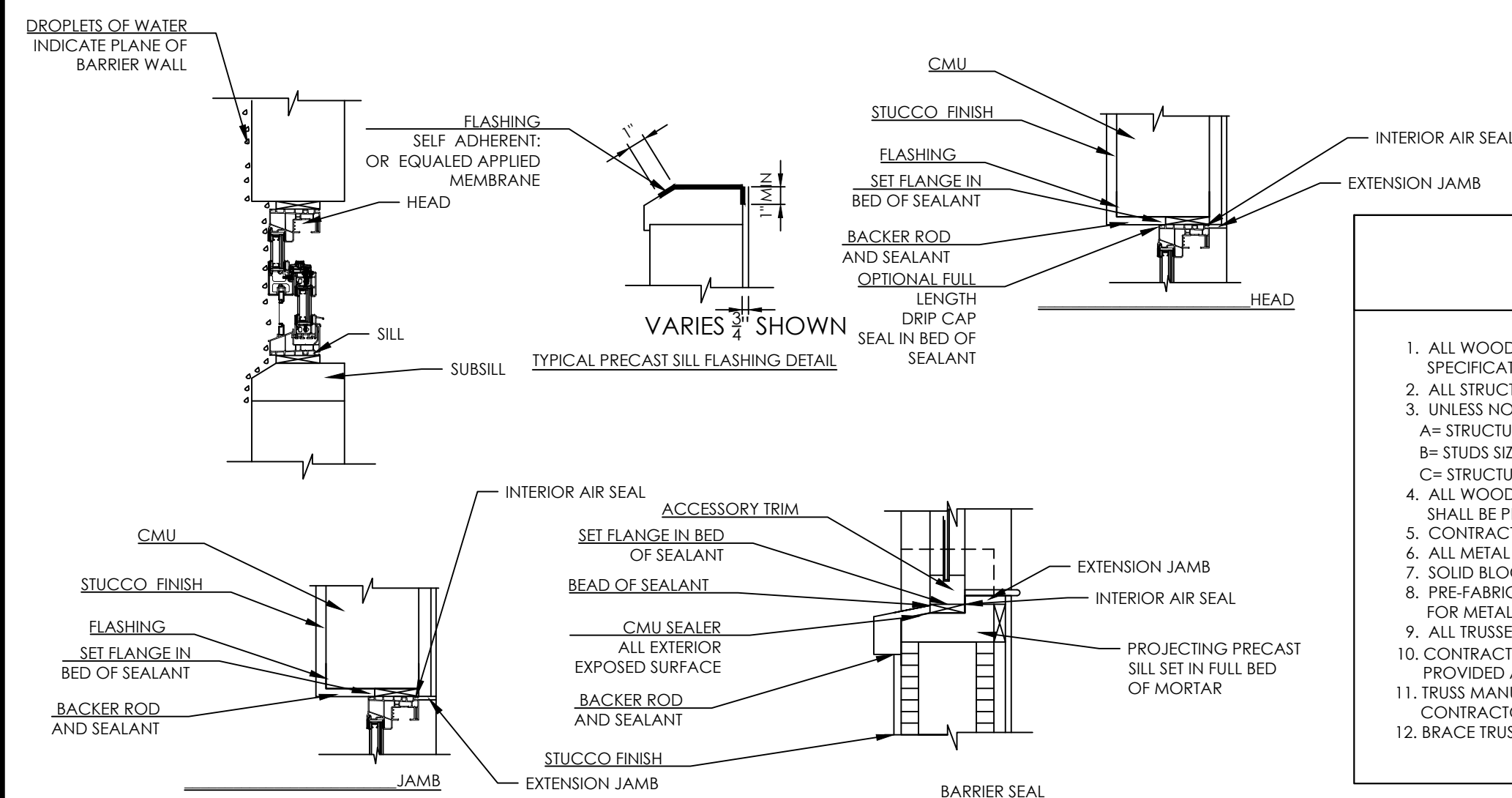
TYP. MASONRY WALL CONSTRUCTION



SPACE FRAMING OVER GARAGE AND PASS THRU DOORS



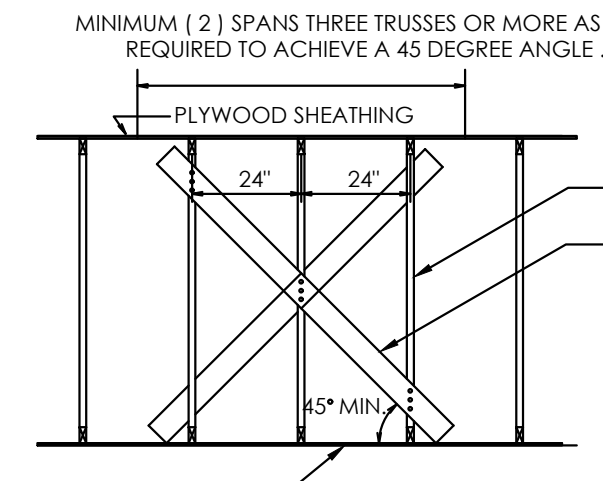
WINDOW SILL-CMU



DESIGNED TO MEET THE REQUIREMENTS OF FBC 14 SECTION R 703.08 FLASHING

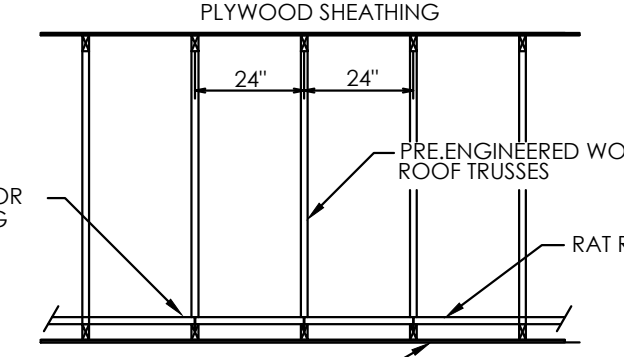
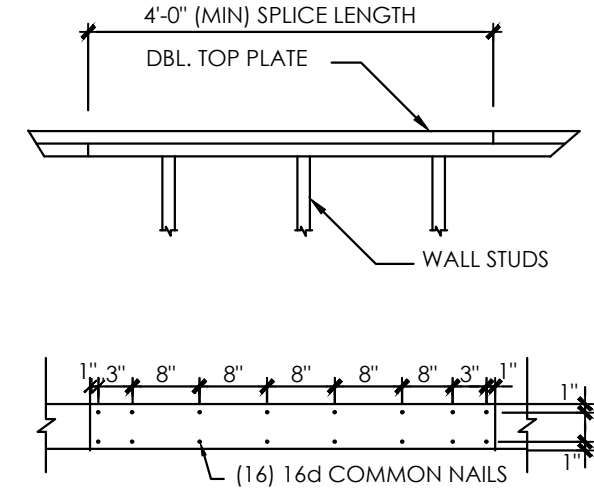
DECORATIVE ARCH FRAMING DETAIL

N.T.S.



INTERMEDIATE TRUSS BRACING

N.T.S.



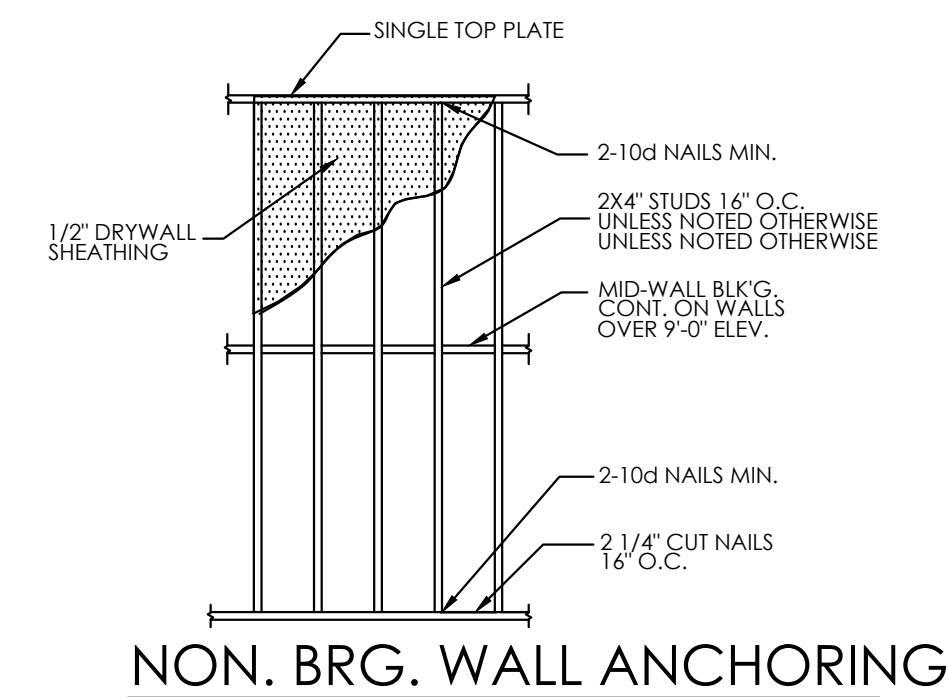
WOOD FRAME SPICING DETAIL

N.T.S.

TRUSS BRACING

N.T.S.

- NOTES:**
- 1.) ALL PERMANENT BRACING TO CONFORM TO DETAILED TRUSS ENGINEERING BY MANUFACTURER.
 - 2.) BRACE BOTTOM CHORD AT NO MORE THAN 15 FEET AS DETERMINED BY SPACING REQUIREMENTS.
 - 3.) LOCATE BRACING NEAR BOTTOM CHORD PANEL POINTS.
 - 4.) TEMPORARY BRACING MAY BE LEFT IN PLACE.
 - 5.) ALL BRACING GUIDELINES OF HB-91 FROM TRUSS PLATE INSTITUTE TO BE INCORPORATED INTO ROOF SYSTEM.



NON. BRG. WALL ANCHORING

N.T.S.

FRAMING NOTES

1. ALL WOOD FRAMING SHALL BE FABRICATED AND INSTALLED PER AISC AND TPI AND NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
2. ALL STRUCTURAL WOOD MEMBERS SHALL HAVE A MIN. EXTREME FIBER STRESS IN BENDING (Fb)=1,200 P.S.I.
3. UNLESS NOTED OTHERWISE THE FOLLOWING MIN. LUMBER GRADES SHALL BE USED:
A= STRUCTURAL LIGHT FRAMING SIZE 2" TO 4" THICK X 2" TO 4" WIDE #2 OR BETTER.
B= STUDS SIZE 2" TO 4" THICK X 2" TO 6" WIDE-STUD GRADE.
C= STRUCTURAL JOISTS AND PLANKS SIZE 2" TO 4" THICK X 5" AND WIDER #2 OR BETTER.
4. ALL WOOD MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY, CONCRETE OR SOIL SHALL BE PRESSURE-TREATED.
5. CONTRACTOR SHALL PROVIDE ALL FASTENING DEVICES NECESSARY AND SUITED FOR EACH APPLICATION.
6. ALL METAL CONNECTORS AND FABRICATIONS SHALL COMPLY WITH AISC SPECS.
7. SOLID BLOCK ALL JOISTS AND RAFTERS AT POINTS OF SUPPORT.
8. PRE-FABRICATED TRUSSES SHALL COMPLY WITH NFPA FOR WOOD CONSTRUCTION, TPI DESIGN SPECS. FOR METAL PLATE CONNECTED WOOD TRUSSES AND AISC 100.
9. ALL TRUSSES SHALL BE DESIGNED AND CERTIFIED BY TRUSS MANUF. ENGINEER.
10. CONTRACTOR SHALL CORRELATE W/ TRUSS MANUF. TO ENSURE ADEQUATE BEARING IS PROVIDED AT END REACTIONS OF ALL GIRDER TRUSSES.
11. TRUSS MANUF. SHALL SUBMIT SHOP DRAWINGS TO CONTRACTOR AND DESIGNER FOR REVIEW. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS AND VERIFICATION.
12. BRACE TRUSSES DURING ERECTION AND AFTER PERMANENT INSTALLATION TO COMPLY WITH TPI BWT-76.

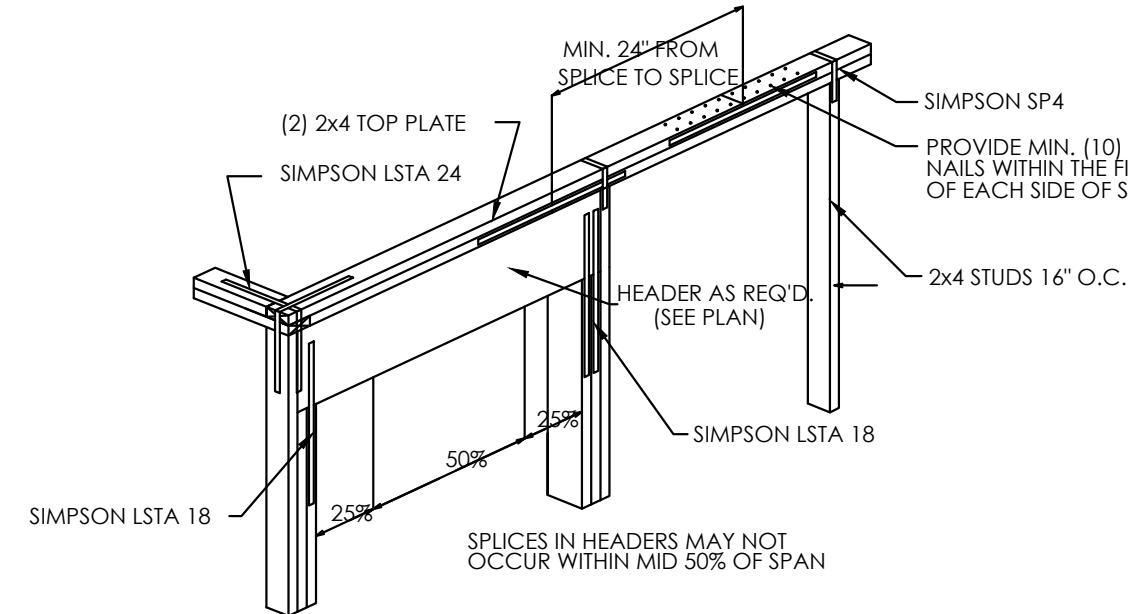
ROOF SHEATHING LAYOUT

N.T.S.



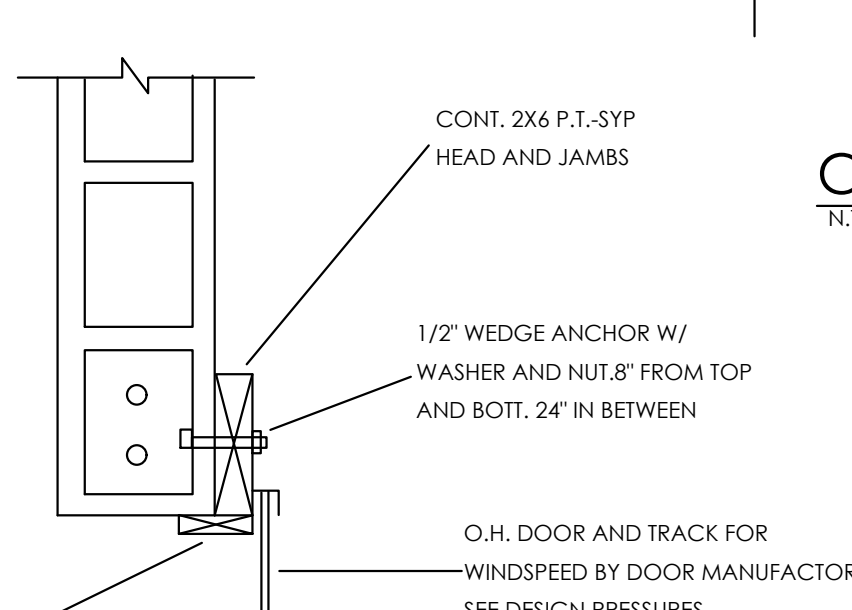
EXPOSED CEILING ATTACHMENT DETAIL

N.T.S.



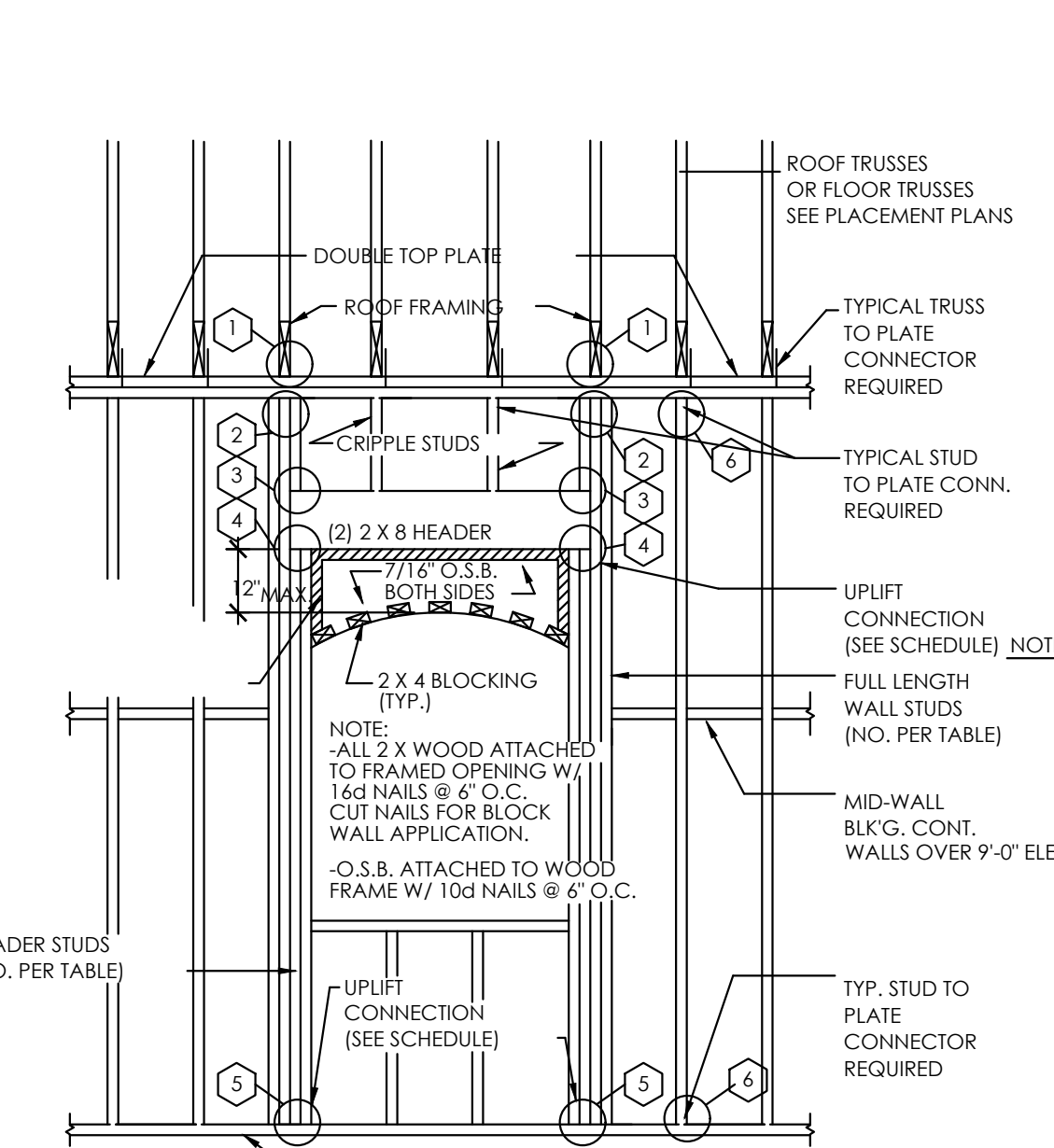
GARAGE DOOR BUCK DETAIL

N.T.S.



TYP. FRAMING AND CONNECTIONS FOR LOAD BEARING OPENINGS

N.T.S.



- | | | | |
|---|---|---|-------------------------------------|
| 1 | SEE TRUSS PLAN FOR SPECIFIC TRUSS ANCHORING | 4 | 1-LSTA18 E/STUD |
| 2 | 1-LSTA12 E/STUD | 5 | 1-SPH4 OR AS NOTED PER STUD TYPICAL |
| 3 | 1-LSTA12 E/STUD | 6 | SPH4 OR AS NOTED |

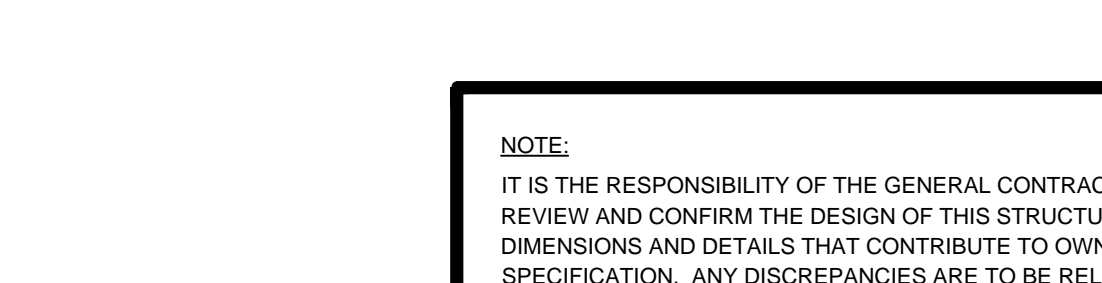
TYP. WALL SECTION

N.T.S.



TYPICAL WALL SECTION

N.T.S.



© 2018 RAO DESIGNS, LLC

NOTE:
IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO REVIEW AND CONFIRM THE DESIGN OF THIS STRUCTURE, VERIFYING DIMENSIONS AND DETAILS THAT CONTRIBUTE TO OWNER SPECIFICATION. ANY DISCREPANCIES ARE TO BE RELAYED TO DESIGNER AND ENGINEER OF RECORD.
CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

REVISIONS: DATE:

△	x
△	x
△	x
△	x

Drawn AR	CHECK BY AQ
1-17-18	18-005

SPEC HOME
SINGLE FAMILY RESIDENCE
Parcel No. 39776520005
43RD AVE NE
NAPLES, FL 34120

APPROVED
THIS STRUCTURE MEETS ALL REQUIREMENTS OF THE 2017 FL. BUILDING CODES
ALFRED J. QUATRONE
FLORIDA P.E. #52741

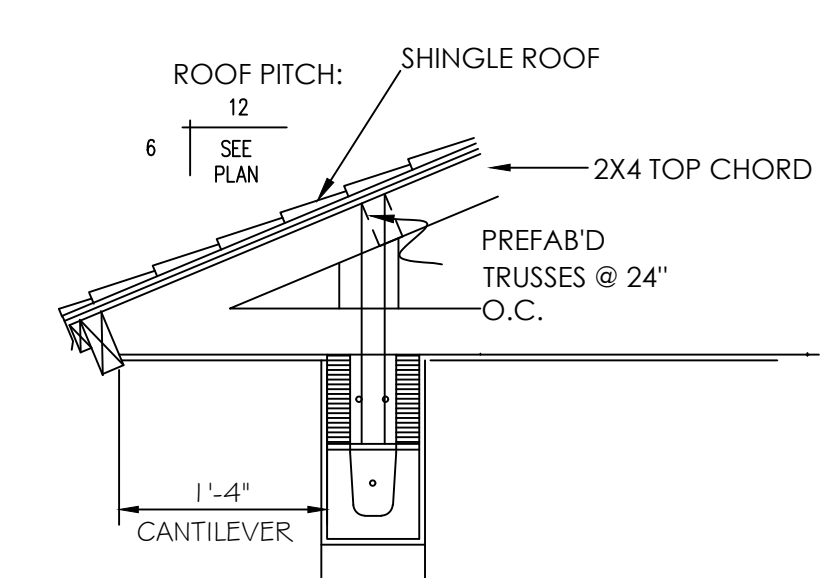
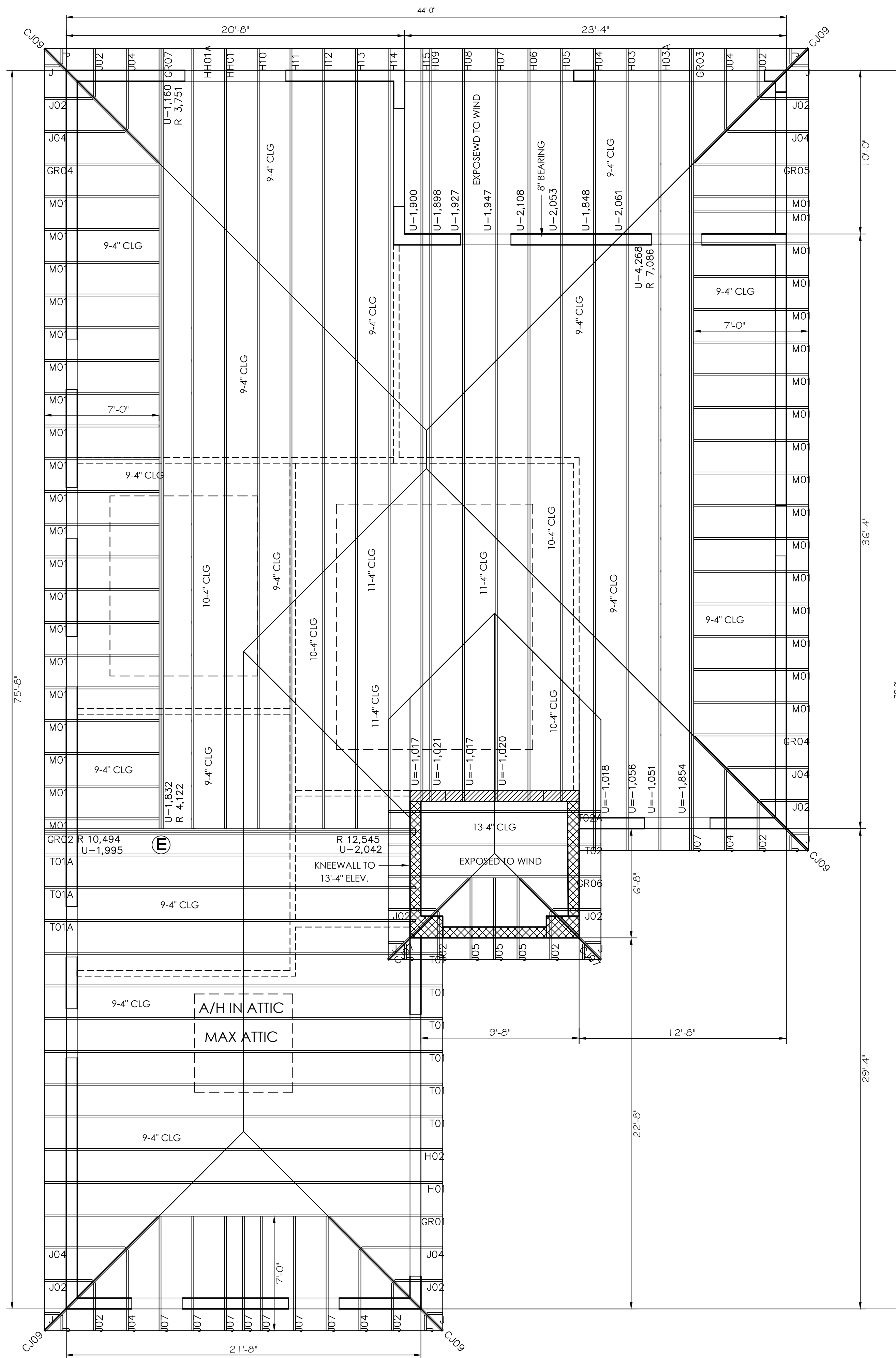
MON. 1-22-2018 5:28 PM
PLOTTED BY: ANTONIO

S-3

Quatrone & Associates, Inc.
Engineers, Planners, & Development Consultants
4301 Veneta Shores Blvd. - Fort Myers, Florida 33916 - 238-886-5222
Certificate of Authorization Number: 9486

RAO DESIGNS, LLC HEREBY RESERVES ITS COMMON LAW COPYRIGHT. THIS DOCUMENT IS THE PROPERTY OF RAO DESIGNS, LLC. IT IS TO BE REPRODUCED OR CHANGED AND OR COPIED WITHOUT OBTAINING THE EXPRESSED WRITTEN CONSENT FROM RAO DESIGNS, LLC.

Rao Designs, LLC
ANTONIO RAO 239-243-1534
3606 ENTERPRISE AVE #10 NAPLES, FLORIDA 34104
antoniorao1@gmail.com



KNEEWALL DETAIL
NTS

TRUSS BRG. KEY

- 13'-4" ELEV. CBS WALLS
- 11'-4" ELEV. CBS WALLS
- 9'-4" ELEV. CBS WALLS
- INT. BRG WALLS
- NON BRG WALLS

QTY	SIMPSON
(A)	HUS26 *
(B)	HUS28
(C)	HHUS26
(D)	HHUS28
(E)	HHUS28-2
(F)	U26
X	

* ALL HANGERS SHOWN ARE HUS26 UNLESS OTHERWISE NOTED

BUILDING CODE

FBC 2014

LOAD CONDITIONS

OCCUPANCY CATEGORY: _____ RESIDENTIAL
 EXPOSURE CATEGORY: _____ B
 WIND DESIGN METHOD: _____ ASCE 7-10
 OPENING CONDITIONS: _____ ENCLOSED
 INTERNAL PRESSURE COEFFICIENT _____ +/- 0.18
 WIND SPEED: _____ 160 MPH
 MEAN HEIGHT _____ 18 FT.

ROOF

CHORD	LIVE	DEAD	TOTAL	160 MPH WIND TO RESIST (UP)
	LB / SQ.FT. (PSF)			
TOP	20	20	40	5
BOTTOM	0	10	10	5
TOTAL	20	30	50	10

FLOOR

CHORD	LIVE	DEAD	TOTAL
TOP	30	15	45
BOTTOM	0	10	10
TOTAL	30	35	55

CONTRACTOR TO VERIFY DIMENSIONS AND DETAILS SPECIFICATIONS SHOWN. VERIFY LOCATION AND WEIGHTS OF A/H'S UPON ACCEPTING, SIGNING & APPROVING LAYOUT

BY SIGNING THIS LAYOUT YOU ARE AGREEING TO OUR INTERPRETATION OF THE BLUEPRINT GIVEN TO US. ANY CHANGES FROM THIS LAYOUT, BY REVISIONS TO THE BLUEPRINT OR BY NOT REVIEWING THE LAYOUT IN DETAIL ARE SOLELY THE RESPONSIBILITY OF THE BUILDER.

CUSTOM HOME MADE COMPONENTS, INC. WILL BEGIN TO ENGINEER THIS JOB. AT THIS POINT ANY BLUEPRINT CHANGES BY BUILDER ARE AT THE BUILDER'S EXPENCE.

APPROVED BY: _____ DATE: _____ DEL. DATE: _____

FINAL LAYOUT PRELIMINARY LAYOUT

ALL UPLIFTS AND DOWN LOADS EXCEEDING MAX LIMITS LISTED BELOW WILL BE NOTED ON LAYOUT AS SHOWN ON LEFT

UPLIFT: MAX UPLIFT = 1,000#
 DOWN: MAX REACTION = 3,500#

RAYMOND BUILDING SUPPLY <small>Trusses Built to Last Phone (239) 731-8300 Fax (239) 731-0383</small>	TO: AUDI HOME AND LAND INC.		JOB #	
	JOB: 43RD AVE NE NAPLES FL 34120		18-005	
	PITCH	TC: 6/12 BC: 0	CANT: 1'-4" TC: 2x4	SEE DETAILS FOR ELEVS UNLESS NOTED ALL TRUSSES 24" O.C. UNLESS NOTED
	DR. BY: RC	DATE: 1-17-18	SCALE: 1/4" = 1'-0"	