





TRACT 54

TRACT 71

TRACT 72

TRACT 55

TRACT 73

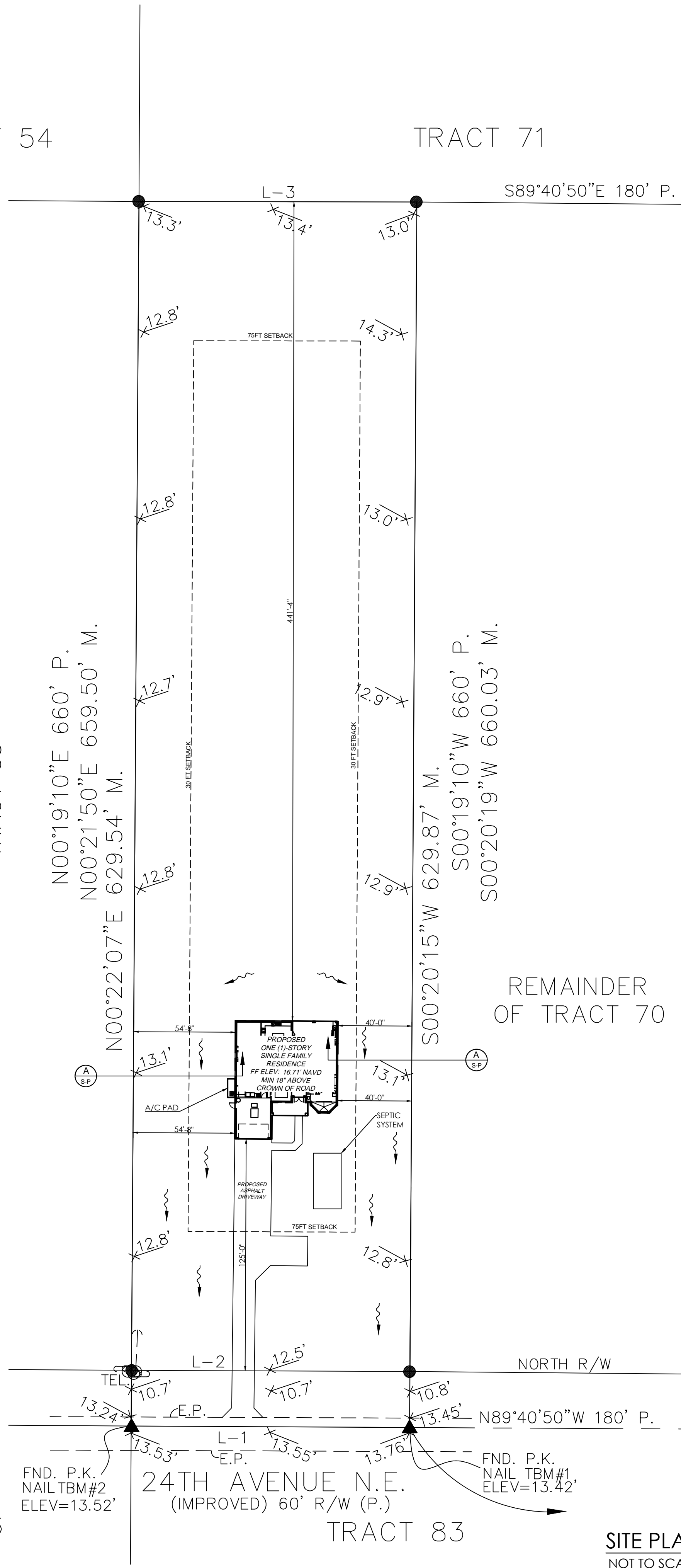
N00°19'10"E 660' P.  
N00°21'50"E 659.50' M.  
N00°22'07"E 629.54' M.

S00°19'10"W 660' P.  
S00°20'19"W 660.03' M.

REMAINDER OF TRACT 70

BEARINGS SHOWN HEREON ARE BASED UPON N 89°40'50" W ALONG THE CENTERLINE OF 24TH AVENUE N.E. AS PLATTED.

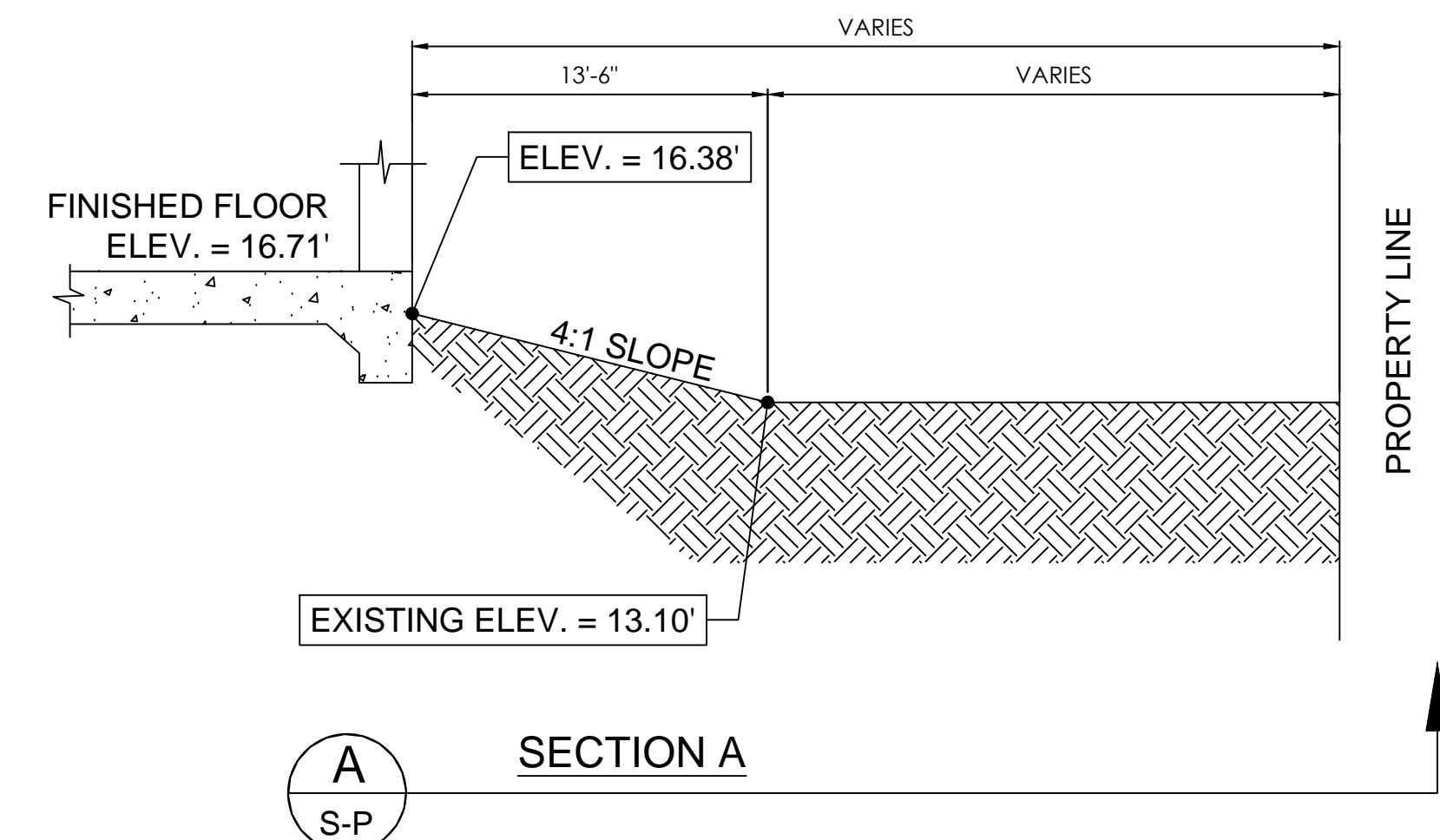
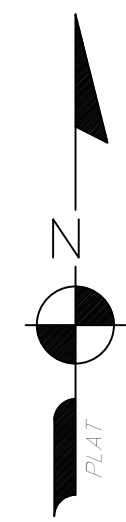
- L-1= N89°40'50"W 150' P.  
N89°41'26"W 150.00' M.
- L-2= N89°46'01"W 105.05' M.
- L-3= S89°40'50"E 150' P.  
S89°53'34"E 149.71' M.



SITE PLAN  
NOT TO SCALE

N89°40'50"W  
2840' P. & 2840.21' M.  
BASIS OF BEARINGS

TRACT 74



SECTION A

LEGEND:

|  |                                       |
|--|---------------------------------------|
|  | DRAINAGE DIRECTION ARROW TO ROW SWALE |
|--|---------------------------------------|

LAND USE BREAKDOWN/ CALCULATIONS (PER SECTION 6.05.03):

|                        |        |    |    |
|------------------------|--------|----|----|
| TOTAL SITE AREA        | 99,000 | SF |    |
| ROOFED STRUCTURES AREA |        |    |    |
| SINGLE FAMILY HOME     | 3025   | SF |    |
| TOTAL ROOFED AREA      | 3025   | SF | 3% |
| IMPERVIOUS AREA        |        |    |    |
| PROPOSED ASPHALT DRIVE | 2842   | SF |    |
| PROPOSED CONCRETE PAD  | 40     | SF |    |
| TOTAL IMPERVIOUS AREA  | 2882   | SF | 3% |
| TOTAL IMPACTED AREA    | 5907   | SF | 6% |

- TYPE I DRAINAGE PLAN**
- 1) SITE SHALL BE GRADED TO THE MAXIMUM EXTENT POSSIBLE TO THE PROPOSED FLOW ARROWS
  - 2) ELEVATIONS BASED ON NAVD 1988
  - 3) THIS PLAN IS FOR DRAINAGE
  - 4) ELEVATIONS BASED ON LIDAR DATA. CONTRACTOR MUST VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION AND ADVISE THE ENGINEER OF ANY DISCREPANCIES BEFORE STARTING ANY SITE WORK (I.E. EXISTING SITE GRADES, ROAD ELEVATIONS).

BOUNDARY INFORMATION IS PER SURVEY:  
GALLDO GROUP, INC  
SURVEY NO: GG-180042

LEGAL DESCRIPTION:  
THE WEST 150 FEET OF TRACT NO. 70, GOLDEN GATE ESTATES, UNIT 23, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 7, PAGE(S) 9 AND 10, 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: "X"  
BASE FLOOD ELEVATION: 13.50 FT.  
COMMUNITY: 120067  
PANEL: 0240  
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

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CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.

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

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**Quattrone & Associates, Inc.**  
Engineers, Planners, & Development Consultants  
4311 Venetia Shoppes Blvd - Fort Myers, Florida 33916 - 238-886-5222  
Certificate of Authorization Number 8465

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REVISIONS: DATE:

|   |   |  |
|---|---|--|
| △ | x |  |
| △ | x |  |
| △ | x |  |
| △ | x |  |

Drawn: AR  
CHECK BY: AQ  
2-26-2018  
18-051

1/4" = 1'-0"

**SPEC HOME**  
SINGLE FAMILY RESIDENCE  
Parcel No. 37745080109  
24TH AVENUE NE  
NAPLES FL 34120

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

ALFRED J. QUATTRONE  
FLORIDA P.E. #52741

TUE, 3-6-2018 9:45 AM  
PLOTTED BY: ANTONIO

S-P

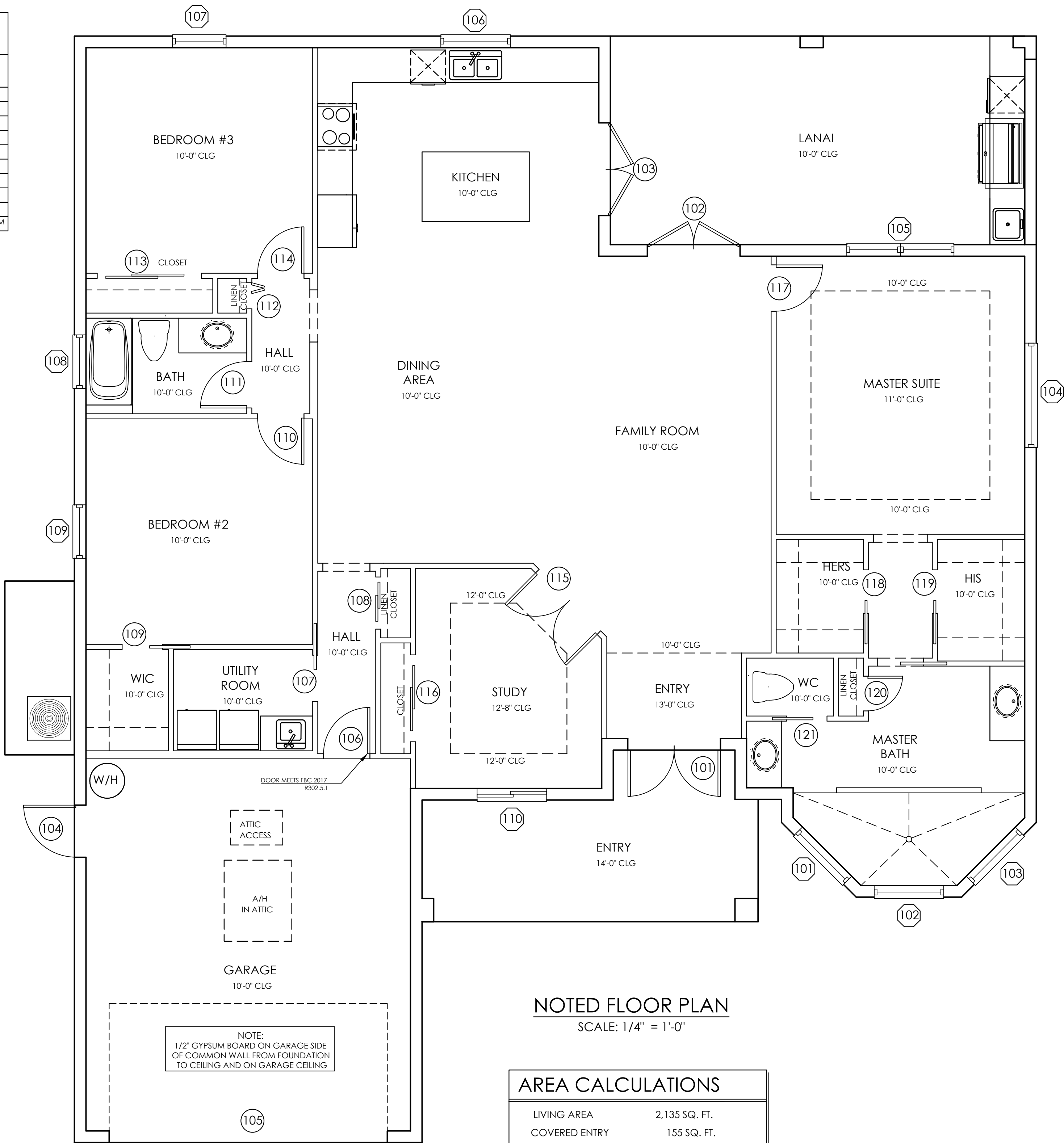
| DOOR SCHEDULE |             |        |        |            |            |                |
|---------------|-------------|--------|--------|------------|------------|----------------|
| NO.           | STYLE       | SIZE   |        | MATERIAL   | PROTECTION | REMARKS        |
|               |             | WIDTH  | HEIGHT |            |            |                |
| 101           | SWING-EXT   | 5'-4"  | 8'-0"  | ALUMINUM   | IMPACT     | W/ 24" TRANSOM |
| 102           | SWING-EXT   | 5'-4"  | 8'-0"  | ALUMINUM   | IMPACT     |                |
| 103           | SWING-EXT   | 5'-4"  | 8'-0"  | ALUMINUM   | IMPACT     |                |
| 104           | SWING-EXT   | 3'-0"  | 8'-0"  | FIBERGLASS |            |                |
| 105           | GARAGE O.H. | 16'-0" | 8'-0"  | METAL      | IMPACT     |                |
| 106           | SWING       | 2'-8"  | 8'-0"  | STEEL      |            | 20 MIN. RATED  |
| 107           | POCKET      | 2'-8"  | 8'-0"  | WOOD       |            |                |
| 108           | BI-PASS     | 3'-0"  | 8'-0"  | WOOD       |            |                |
| 109           | POCKET      | 2'-4"  | 8'-0"  | WOOD       |            |                |
| 110           | SWING       | 2'-8"  | 8'-0"  | WOOD       |            |                |
| 111           | SWING       | 2'-8"  | 8'-0"  | WOOD       |            |                |
| 112           | BI-FOLD     | 1'-6"  | 8'-0"  | WOOD       |            |                |
| 113           | BI-PASS     | 6'-0"  | 8'-0"  | WOOD       |            |                |
| 114           | SWING       | 2'-8"  | 8'-0"  | WOOD       |            |                |
| 115           | SWING       | 5'-0"  | 8'-0"  | WOOD       |            |                |
| 116           | BI-PASS     | 5'-0"  | 8'-0"  | WOOD       |            |                |
| 117           | SWING       | 2'-8"  | 8'-0"  | WOOD       |            |                |
| 118           | POCKET      | 2'-6"  | 8'-0"  | WOOD       |            |                |
| 119           | POCKET      | 2'-4"  | 8'-0"  | WOOD       |            |                |
| 120           | SWING       | 2'-8"  | 8'-0"  | WOOD       |            |                |
| 121           | POCKET      | 2'-4"  | 8'-0"  | WOOD       |            |                |

| WINDOW SCHEDULE |                   |       |        |          |            |                      |
|-----------------|-------------------|-------|--------|----------|------------|----------------------|
| NO.             | STYLE             | SIZE  |        | MATERIAL | PROTECTION | REMARKS              |
|                 |                   | WIDTH | HEIGHT |          |            |                      |
| 101             | FIXED GLASS       | 4'-0" | 2'-6"  | ALUM.    | IMPACT     | OBSCURE              |
| 102             | FIXED GLASS       | 4'-0" | 2'-6"  | ALUM.    | IMPACT     | OBSCURE              |
| 103             | FIXED GLASS       | 4'-0" | 2'-6"  | ALUM.    | IMPACT     | OBSCURE              |
| 104             | FIXED GLASS       | 6'-0" | 1'-8"  | ALUM.    | IMPACT     |                      |
| 105             | DBL SINGLE HUNG   | 3'-1" | 5'-3"  | ALUM.    | IMPACT     | EGRESS               |
| 106             | SINGLE HUNG       | 4'-0" | 4'-0"  | ALUM.    | IMPACT     |                      |
| 107             | SINGLE HUNG       | 3'-1" | 5'-3"  | ALUM.    | IMPACT     | EGRESS               |
| 108             | SINGLE HUNG       | 3'-1" | 3'-2"  | ALUM.    | IMPACT     | OBSCURE              |
| 109             | SINGLE HUNG       | 3'-1" | 5'-3"  | ALUM.    | IMPACT     | EGRESS               |
| 110             | HORIZONTAL ROLLER | 4'-6" | 5'-3"  | ALUM.    | IMPACT     | EGRESS W 24" TRANSOM |

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

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



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

| AREA CALCULATIONS |               |
|-------------------|---------------|
| LIVING AREA       | 2,135 SQ. FT. |
| COVERED ENTRY     | 155 SQ. FT.   |
| LANAI             | 294 SQ. FT.   |
| GARAGE            | 441 SQ. FT.   |
| TOTAL SQ. FT.     | 3,025 SQ. FT. |

| BUILDING INFORMATION              |          |
|-----------------------------------|----------|
| Design Wind Speed                 | Nominal  |
| Ultimate Wind Velocity (mph)      | 160      |
| Nominal Wind Velocity (mph)       | 123.9    |
| Exposure                          | B        |
| Internal Pressure                 | Enclosed |
| Height above ground (ft) - (ft)   | 0.0      |
| Standard Wall Height (ft)         | 10.0     |
| Mean Roof Height (ft) - (ft)      | 16.5     |
| Building Width (ft)               | 66.3     |
| Building Length (ft)              | 63.8     |
| Roof Slope (x:12)                 | 6.0      |
| Roof Angle (degrees)              | 26.57    |
| in Edge Slope (ft)                | 5.53     |
| End Zone (ft)                     | 11.06    |
| Parapet Along Roof Perimeter (ft) | 0.00     |

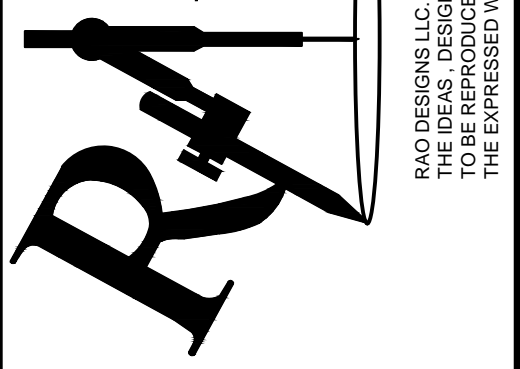
ASCE 7-10  
Version 7.1  
2004 - 2012 ©  
Building Permit Edition  
Wind Load Program

| JOB INFORMATION |                               |
|-----------------|-------------------------------|
| Client          | Spec Home Parcel #37745080109 |
| Address         | 24th Ave NE Naples FL 34120   |
| Company         | Quattrone & Associates        |
| Job Number      | 18-051                        |
| Preparer        | Antonio Rao                   |

| TOPOGRAPHIC FACTOR |                |
|--------------------|----------------|
| Hill Shape         | Flat - No Hill |
| H (ft)             | 0.0            |
| Lh (ft)            | 0.0            |
| x (ft)             | 0.0            |
| z (ft)             | 0.0            |

| NO. | APPLYING WIND LOAD FOR: | ZONE | OPENING ELEVATION (feet) | WIDTH (feet) | LENGTH (feet) | EFFECTIVE WIND AREA (sqft) | Nominal Wind Load Pressures     |                                 | NOA Approval Number | Max Pressure Per NOA | Manufacturer | Model Number |
|-----|-------------------------|------|--------------------------|--------------|---------------|----------------------------|---------------------------------|---------------------------------|---------------------|----------------------|--------------|--------------|
|     |                         |      |                          |              |               |                            | MAXIMUM POSITIVE PRESSURE (psf) | MAXIMUM NEGATIVE PRESSURE (psf) |                     |                      |              |              |
| 101 | Doors                   | 4    | 10.6                     | 5.3          | 8.0           | 43                         | 25.0                            | -27.4                           |                     |                      |              |              |
| 102 |                         | 4    | 8                        | 5.3          | 8.0           | 42                         | 25.0                            | -27.4                           |                     |                      |              |              |
| 103 |                         | 4    | 8                        | 5.3          | 8.0           | 42                         | 25.0                            | -27.4                           |                     |                      |              |              |
| 104 |                         | 4    | 8                        | 3.0          | 8.0           | 24                         | 26.1                            | -28.4                           |                     |                      |              |              |
| 105 |                         | 5    | 8                        | 16.0         | 8.0           | 128                        | 23.1                            | -27.8                           |                     |                      |              |              |
| 106 | Windows                 | 5    | 8                        | 4.0          | 2.5           | 10                         | 27.6                            | -37.0                           |                     |                      |              |              |
| 107 |                         | 5    | 8                        | 4.0          | 2.5           | 10                         | 27.6                            | -37.0                           |                     |                      |              |              |
| 108 |                         | 5    | 8                        | 4.0          | 2.5           | 10                         | 27.6                            | -37.0                           |                     |                      |              |              |
| 109 |                         | 4    | 8                        | 3.1          | 1.7           | 5                          | 27.6                            | -30.0                           |                     |                      |              |              |
| 110 |                         | 4    | 8                        | 4.0          | 5.3           | 21                         | 26.3                            | -28.6                           |                     |                      |              |              |
| 111 |                         | 5    | 8                        | 3.1          | 4.0           | 12                         | 27.2                            | -36.2                           |                     |                      |              |              |
| 112 |                         | 4    | 8                        | 3.1          | 5.3           | 16                         | 26.7                            | -29.1                           |                     |                      |              |              |
| 113 |                         | 4    | 8                        | 3.1          | 3.2           | 10                         | 27.6                            | -30.0                           |                     |                      |              |              |
| 114 |                         | 4    | 8                        | 3.1          | 5.3           | 16                         | 26.7                            | -29.1                           |                     |                      |              |              |
| 115 |                         | 4    | 10.6                     | 4.5          | 5.3           | 24                         | 26.1                            | -28.4                           |                     |                      |              |              |

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



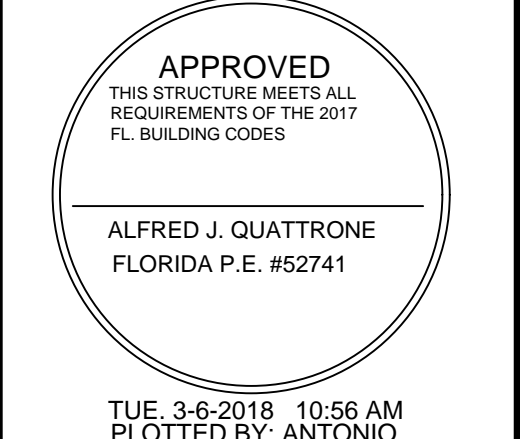
**Quattrone & Associates, Inc.**  
Engineers, Planners, & Development Consultants  
4301 Venetia Shores Blvd - Fort Myers, Florida 33916 - 238-886-5222  
Certificate of Authorization Number 9465  
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• CONTRACTOR SHALL STRICTLY ADHERE TO ALL APPLICABLE BUILDING DEPARTMENT ORDINANCES AND AMENDMENTS BY LOCAL JURISDICTION.  
• THE MAXIMUM LIABILITY TO QUATTRONE & ASSOCIATES, INC. AND ITS AFFILIATES SHALL BE LIMITED TO THE AMOUNT OF FEES PAID TO QUATTRONE & ASSOCIATES, INC. AND ITS AFFILIATES.  
• QUATTRONE & ASSOCIATES, INC. AND ITS AFFILIATES SHALL NOT BE RESPONSIBLE FOR THE RESULTS AND COSTS OF RECTIFYING ERRORS OR OMISSIONS.  
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| REVISIONS: | DATE: |
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| Drawn     | CHECK BY |
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| AR        | AQ       |
| 2-26-2018 | 18-051   |

1/4" = 1'-0"

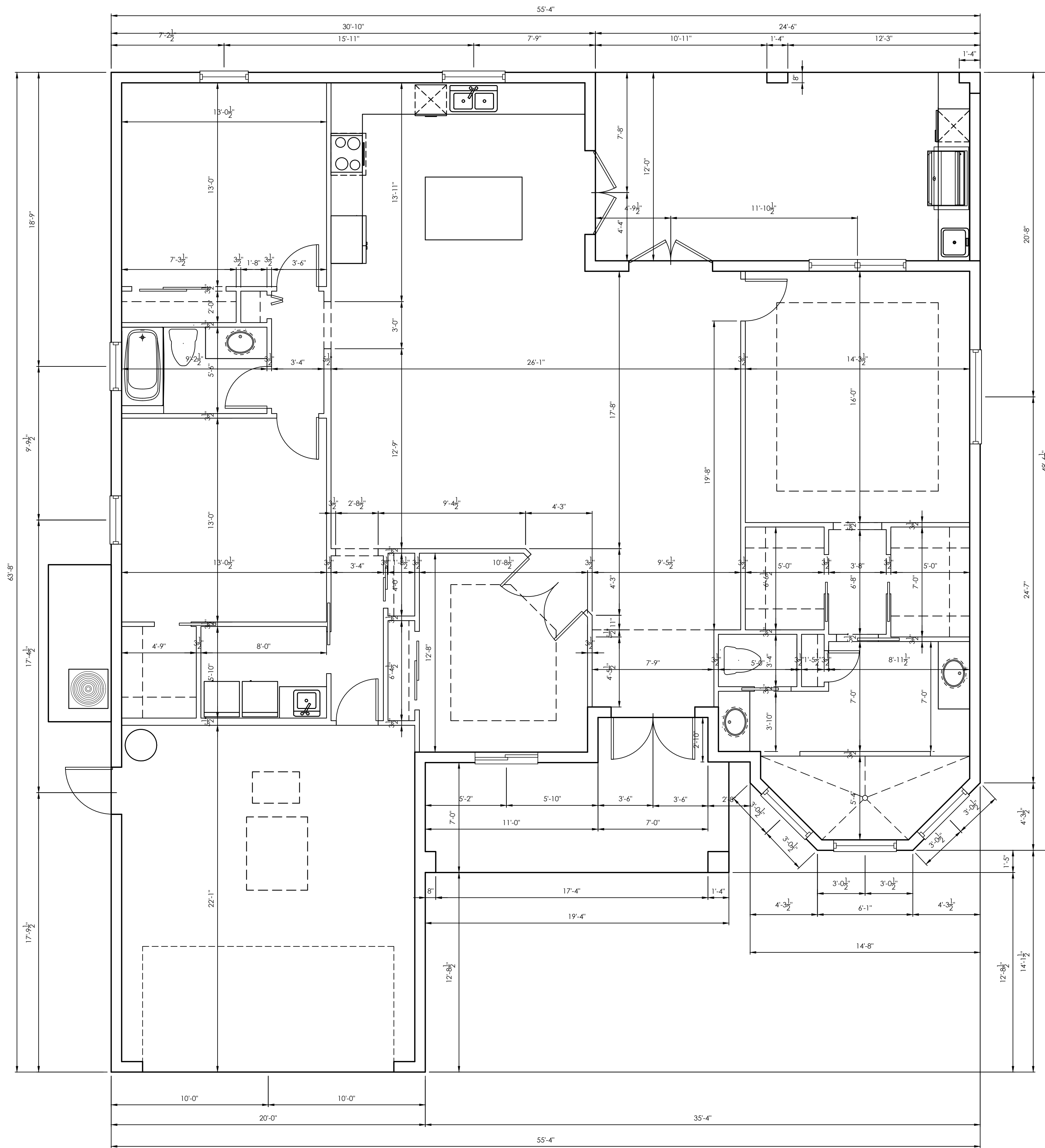
**SPEC HOME**  
SINGLE FAMILY RESIDENCE  
Parcel No. 37745080109  
24TH AVENUE NE  
NAPLES FL 34120



TUE, 3-6-2018 10:56 AM  
PLOTTED BY: ANTONIO

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**A-1**



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

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SINGLE FAMILY RESIDENCE  
Parcel No. 37745080109  
24TH AVENUE NE  
NAPLES FL 34120

REVISIONS: DATE:

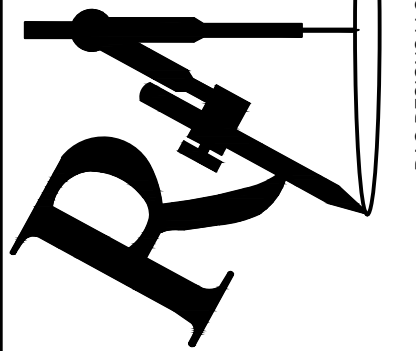
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| 2-26-2018   | 18-051         |

1/4" = 1'-0"

**Quattrone & Associates, Inc.**  
Engineers, Planners, & Development Consultants  
4311 Venetia Shores Blvd. - Fort Myers, Florida 33916 - 238-888-5272  
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**Rao Designs, LLC**

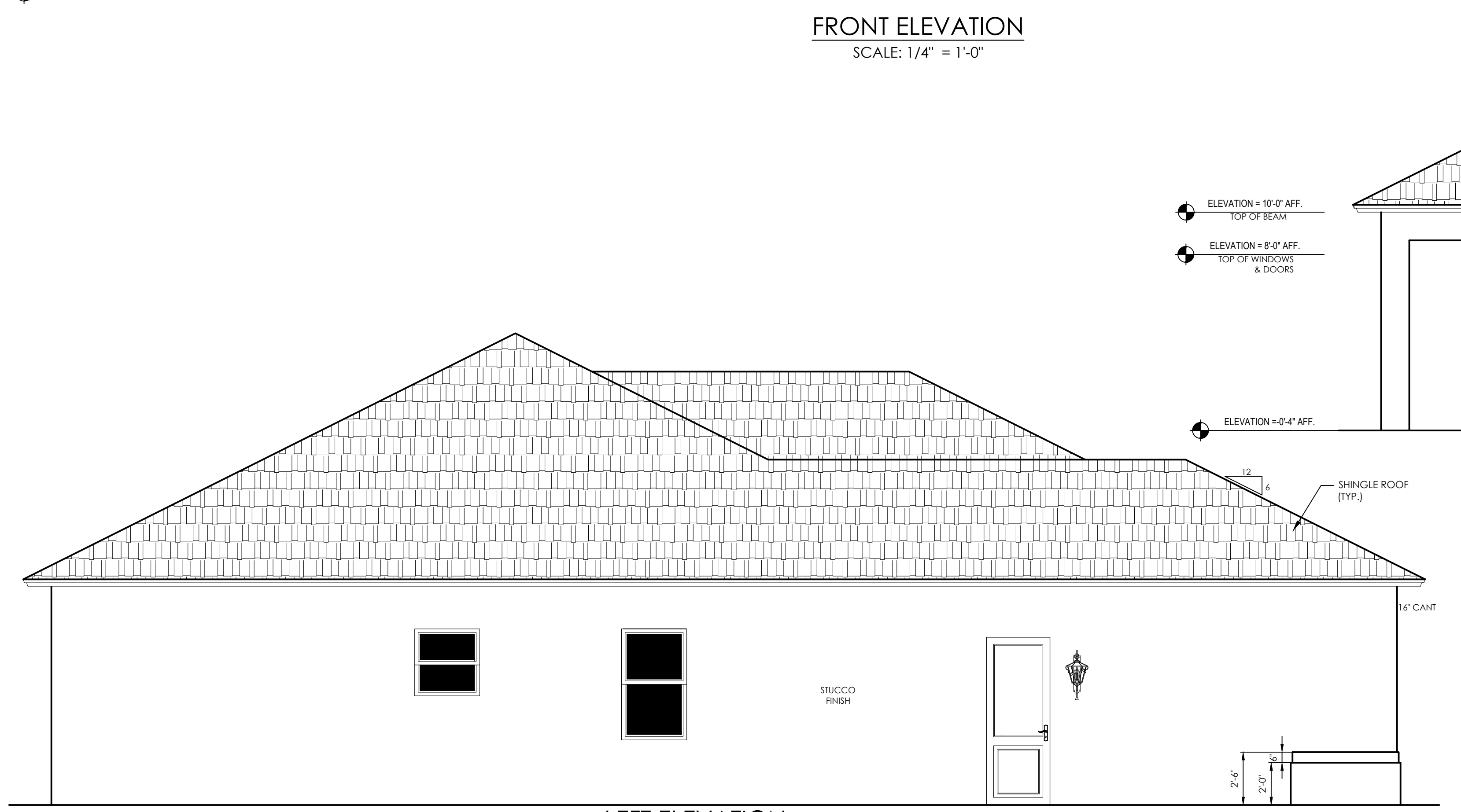
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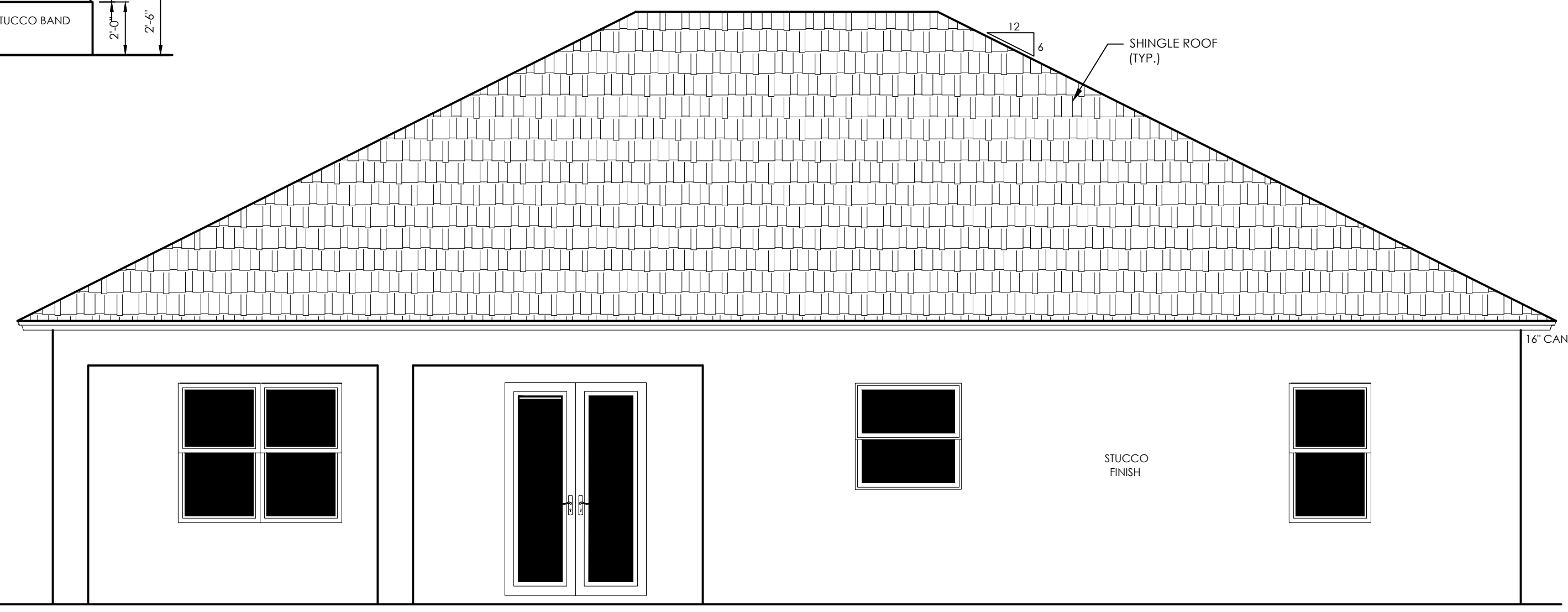
**A-2**



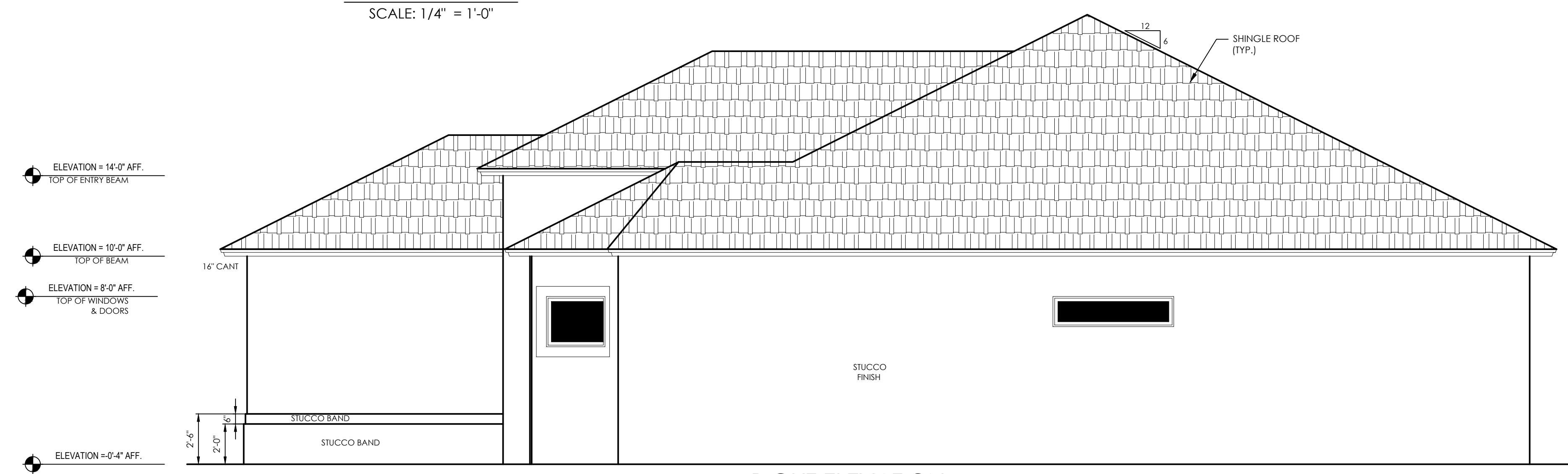
**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"



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



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



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

ELEVATION = 14'-0" AFF. TOP OF BEAM  
ELEVATION = 10'-0" AFF. TOP OF BEAM  
ELEVATION = 8'-0" AFF. TOP OF WINDOWS & DOORS  
ELEVATION = 0'-4" AFF.

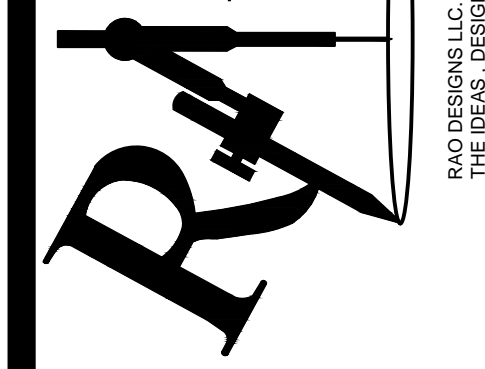
ELEVATION = 10'-0" AFF. TOP OF BEAM  
ELEVATION = 8'-0" AFF. TOP OF WINDOWS & DOORS  
ELEVATION = 0'-4" AFF.

ELEVATION = 14'-0" AFF. TOP OF ENTRY BEAM  
ELEVATION = 10'-0" AFF. TOP OF BEAM  
ELEVATION = 8'-0" AFF. TOP OF WINDOWS & DOORS  
ELEVATION = 0'-4" AFF.

ELEVATION = 14'-0" AFF. TOP OF ENTRY BEAM  
ELEVATION = 10'-0" AFF. TOP OF BEAM  
ELEVATION = 8'-0" AFF. TOP OF WINDOWS & DOORS  
ELEVATION = 0'-4" AFF.

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THE MAXIMUM LIABILITY TO QUATTRONE & ASSOCIATES, INC. AND RAO DESIGNS, LLC SHALL NOT EXCEED THE AMOUNT OF THE FEE RECEIVED BY QUATTRONE & ASSOCIATES, INC. AND RAO DESIGNS, LLC FOR THE SERVICES PROVIDED.  
RAO DESIGNS, LLC

REVISIONS: DATE:

|   |   |
|---|---|
| △ | x |
| △ | x |
| △ | x |
| △ | x |

|             |                |
|-------------|----------------|
| Drawn<br>AR | CHECK BY<br>AQ |
| 2-26-2018   | 18-051         |

1/4" = 1'-0"

**SPEC HOME**  
SINGLE FAMILY RESIDENCE  
Parcel No. 37745080109  
24TH AVENUE NE  
NAPLES FL 34120



TUE, 3-6-2018 10:03 AM  
PLOTTED BY: ANTONIO

**A-3**



**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)
- VP INDICATES VAPOR PROOF FIXTURE
- SECURITY MOTION LIGHT
- WP 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.

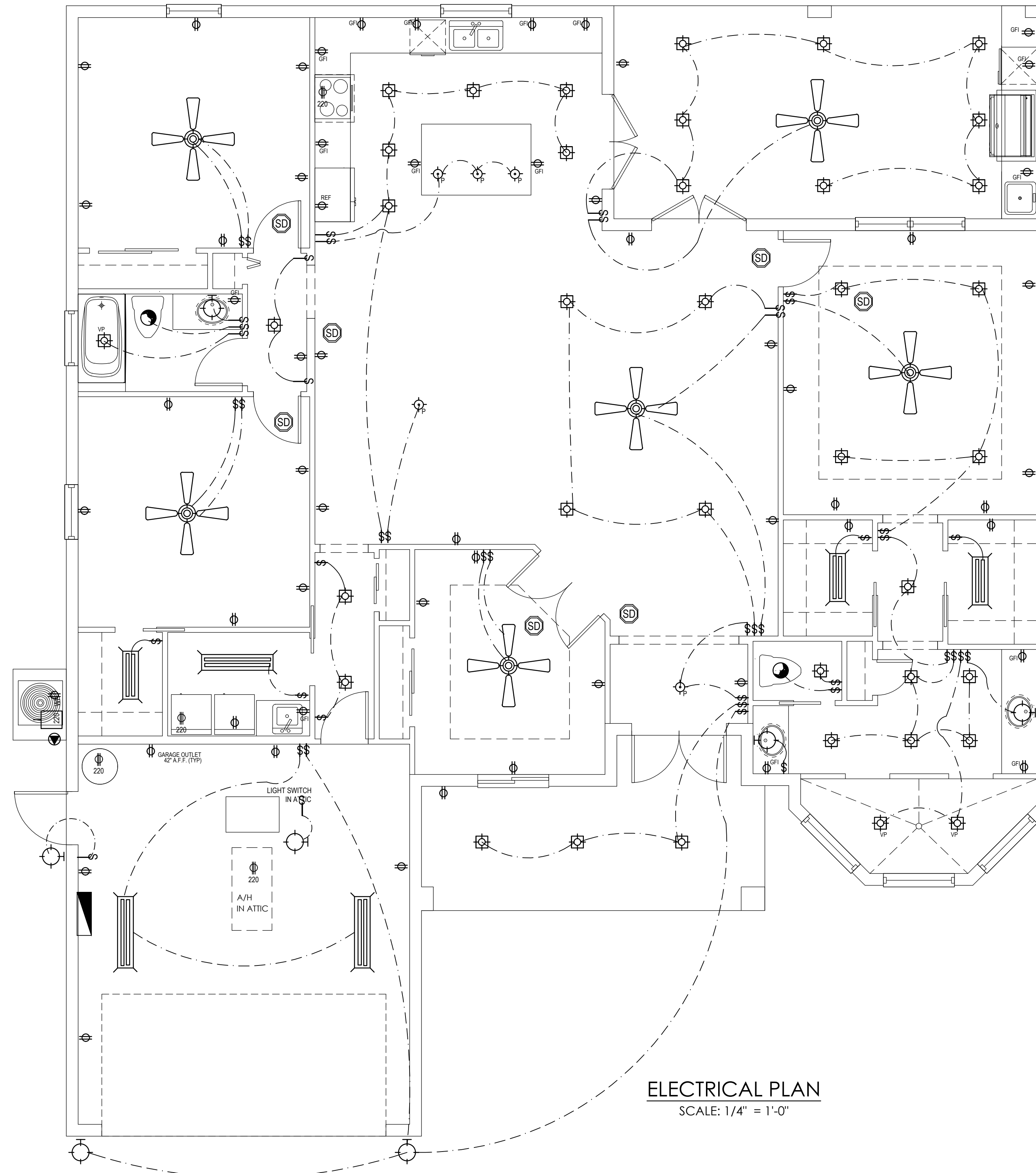
1) MINIMUM WIRE SIZE SHALL BE #14 AWG, INSULATION FOR WIRE SIZE #6 AND SMALLER SHALL BE THWN, #14 AND LARGER SHALL THHN, ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID, #8 AND LARGER SHALL STRANDED (ROMEX MAY BE USED WERE APPROVED).

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..

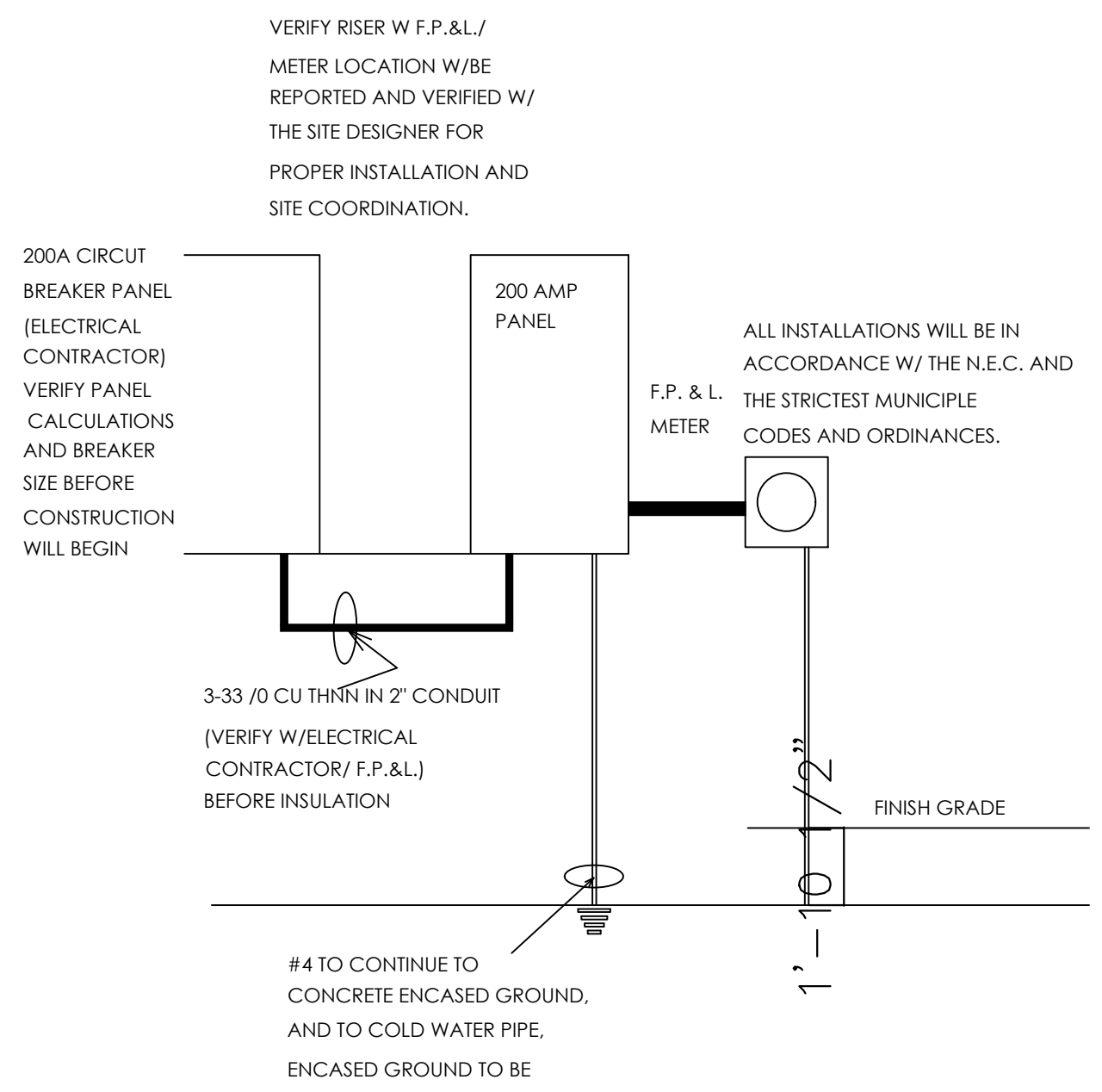
3) ALL 120V SINGLE PHASE 15A AND 20A KITCHEN ISLAND AREA/BATHROOMS/EXTERIOR/GARAGE OUTLETS SHALL BE G.F.I.-NOTE: GARAGE AND EXTERIOR OUTLETS SHALL HAVE AN ADDITION TO G.F.I. WATERPROOF COVERS

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"



VERIFY RISER W F.P.&L./ METER LOCATION W/BE REPORTED AND VERIFIED W/ THE SITE DESIGNER FOR PROPER INSTALLATION AND SITE COORDINATION.

ALL INSTALLATIONS WILL BE IN ACCORDANCE W/ THE N.E.C. AND THE STRICTEST MUNICIPAL CODES AND ORDINANCES.

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

**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.

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**Quattrone & Associates, Inc.**  
Engineers, Planners, & Development Consultants  
4311 Venetia Shores Blvd - Fort Myers, Florida 33916 - 238-888-5222  
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 CORRECTION OF THE SAME. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL INFORMATION PROVIDED TO HIM AND SHALL BE RESPONSIBLE FOR THE RESULTS AND COSTS OF RECTIFYING ANY ERRORS OR OMISSIONS. THE MAXIMUM LIABILITY TO QUATTRONE & ASSOCIATES, INC. AND QUATTRONE & ASSOCIATES, INC. AND QUATTRONE & ASSOCIATES, INC. SHALL NOT EXCEED THE AMOUNT OF THE FEE FOR THE SERVICES PROVIDED BY LOCAL PROFESSIONAL ENGINEERS, ARCHITECTS, PLANNERS, AND DEVELOPMENT CONSULTANTS.

**REVISIONS: DATE:**

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Drawn: AR      CHECK BY: AQ  
2-26-2018      18-051  
1/4" = 1'-0"

**SPEC HOME**  
SINGLE FAMILY RESIDENCE  
Parcel No. 37745080109  
24TH AVENUE NE  
NAPLES FL 34120

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

ALFRED J. QUATTRONE  
FLORIDA P.E. #52741

TUE, 3-6-2018 9:55 AM  
PLOTTED BY: ANTONIO

**E-1**

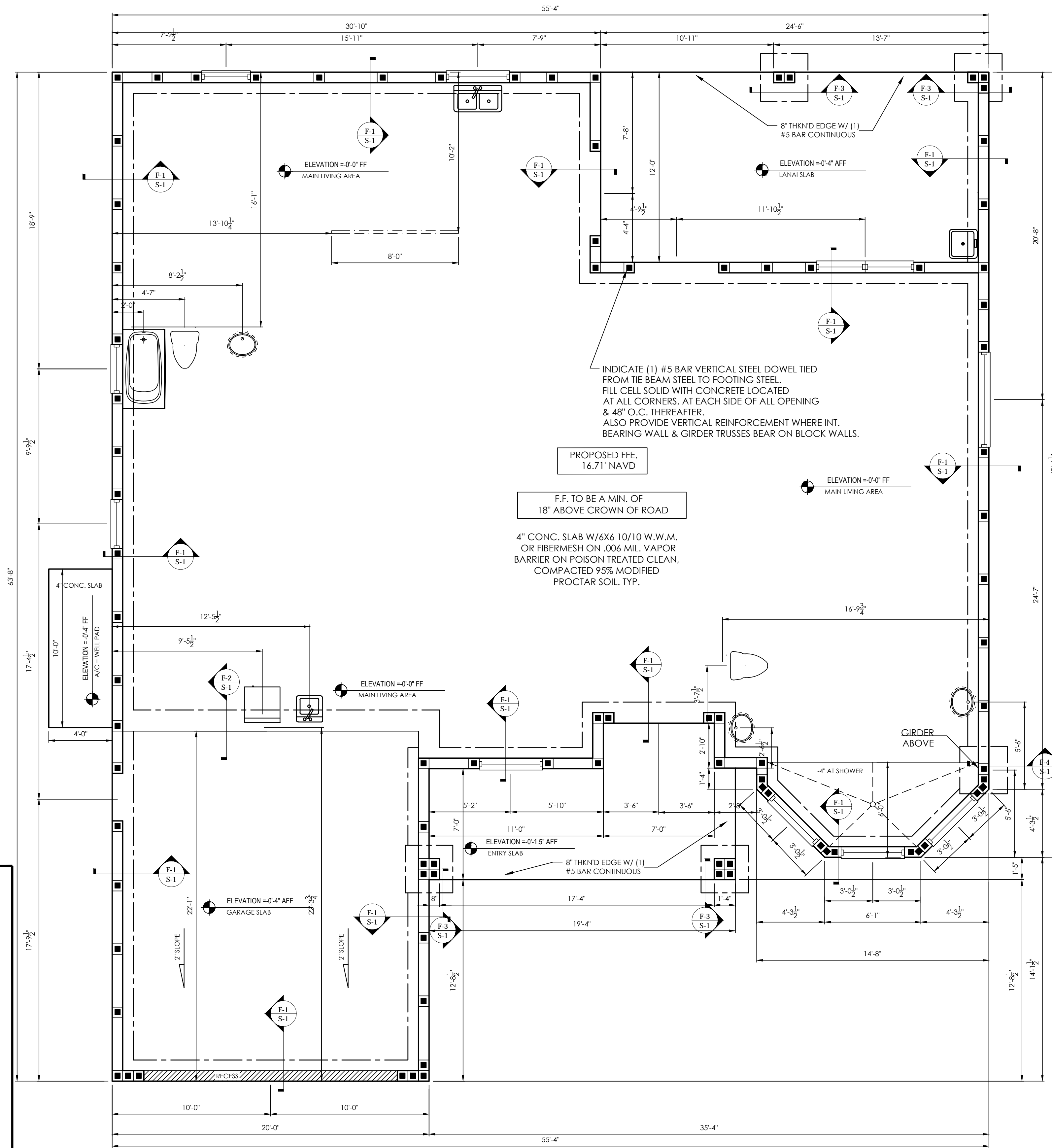
## CONCRETE:

- 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 SOIL 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" BOTT. AND SIDES, 2" TOP
  - BEAM: 1.5" BOTT. SIDES AND TOP
  - COLUMNS: 1.25"
  - SLABS ON GRADE: 3" BOTT. 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 2114, 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.

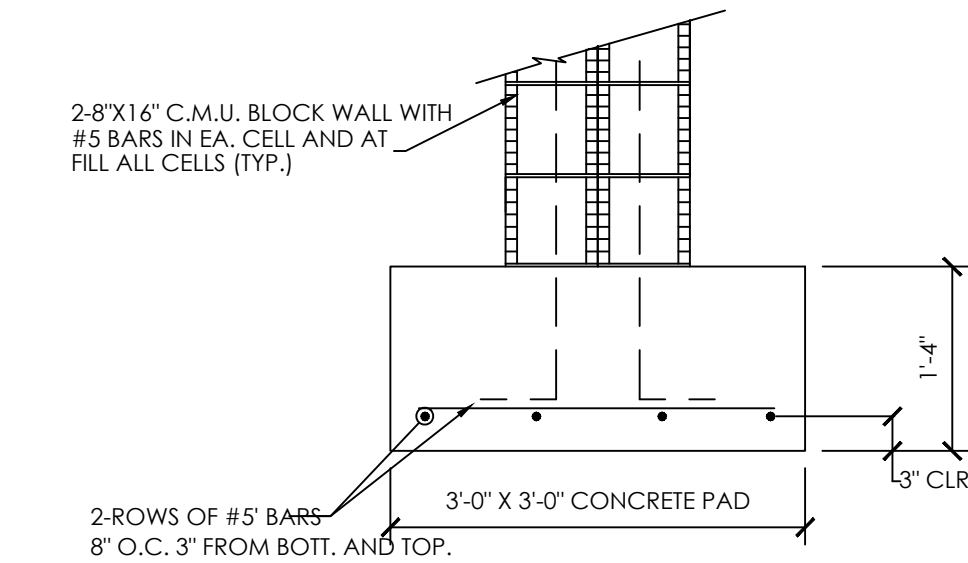


FOUNDATION PLAN  
SCALE: 1/4" = 1'-0"

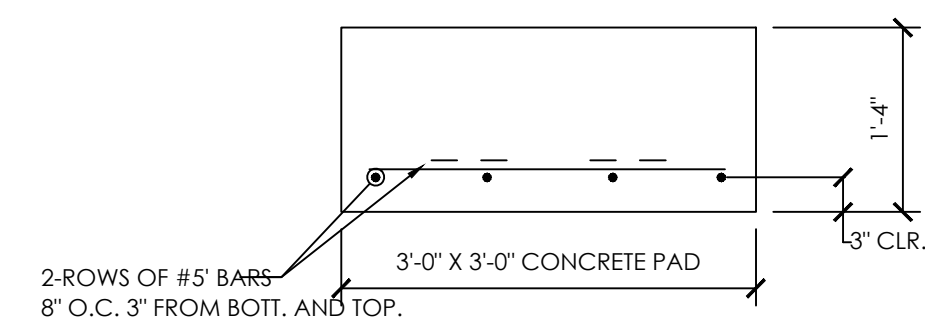
NOTE TO MASON CONTRACTOR:  
THE MASON CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MASONRY OPENINGS WITH PROPER MANUFACTURER'S SPEC. PRIOR TO CONSTRUCTION

NOTE:  
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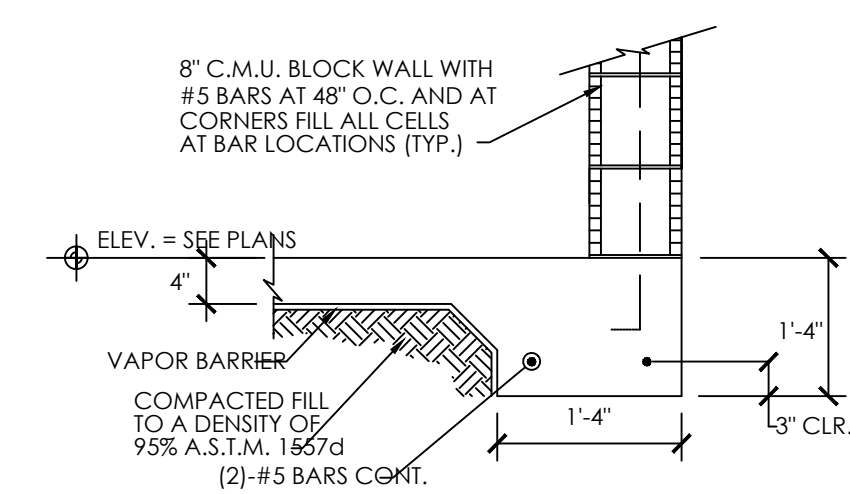
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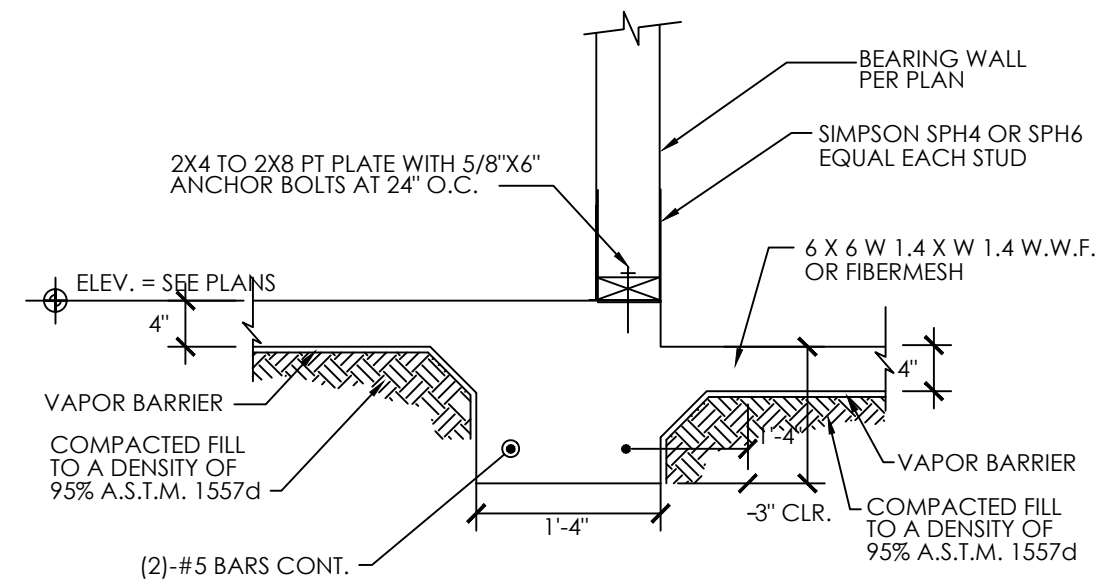
FOOTER: F3



FOOTER: F4

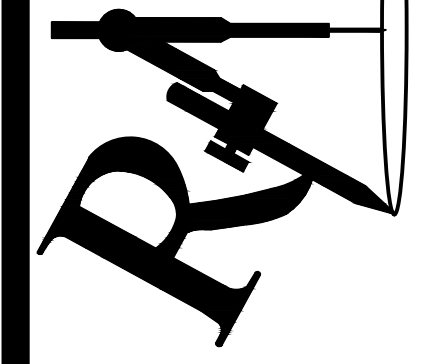


FOOTER: F1



FOOTER: F2

**Rao Designs, LLC**  
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3606 ENTERPRISE AVE #210 NAPLES, FLORIDA 34104  
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**Quattrone & Associates, Inc.**  
Engineers, Planners, & Development Consultants  
4301 Veneta Shores Blvd - Fort Myers, Florida 33916 - 239-886-6222  
Certificate of Authorization Number: 8465

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### REVISIONS: DATE:

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Drawn: AR  
CHECK BY: AQ  
2-26-2018  
18-051

1/4" = 1'-0"

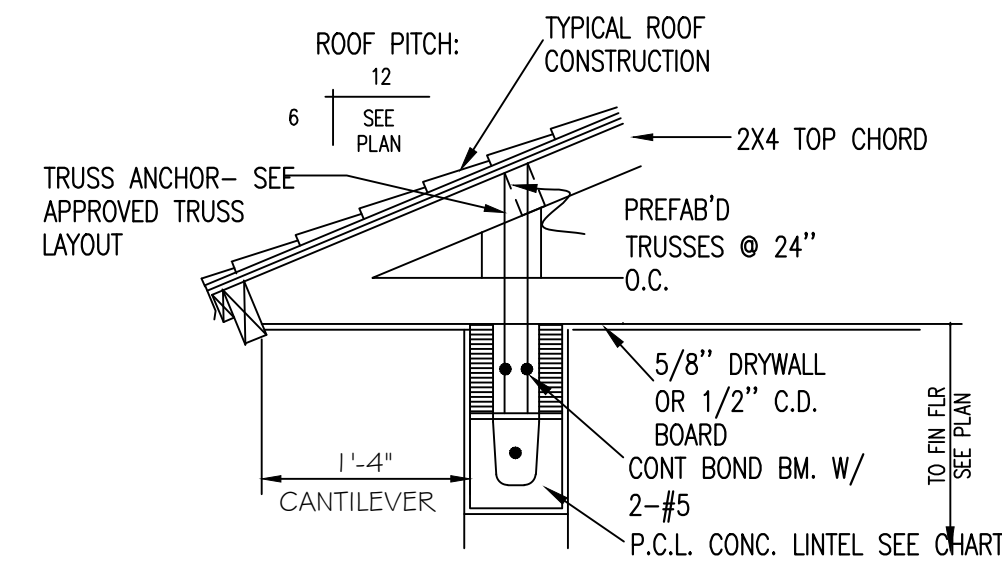
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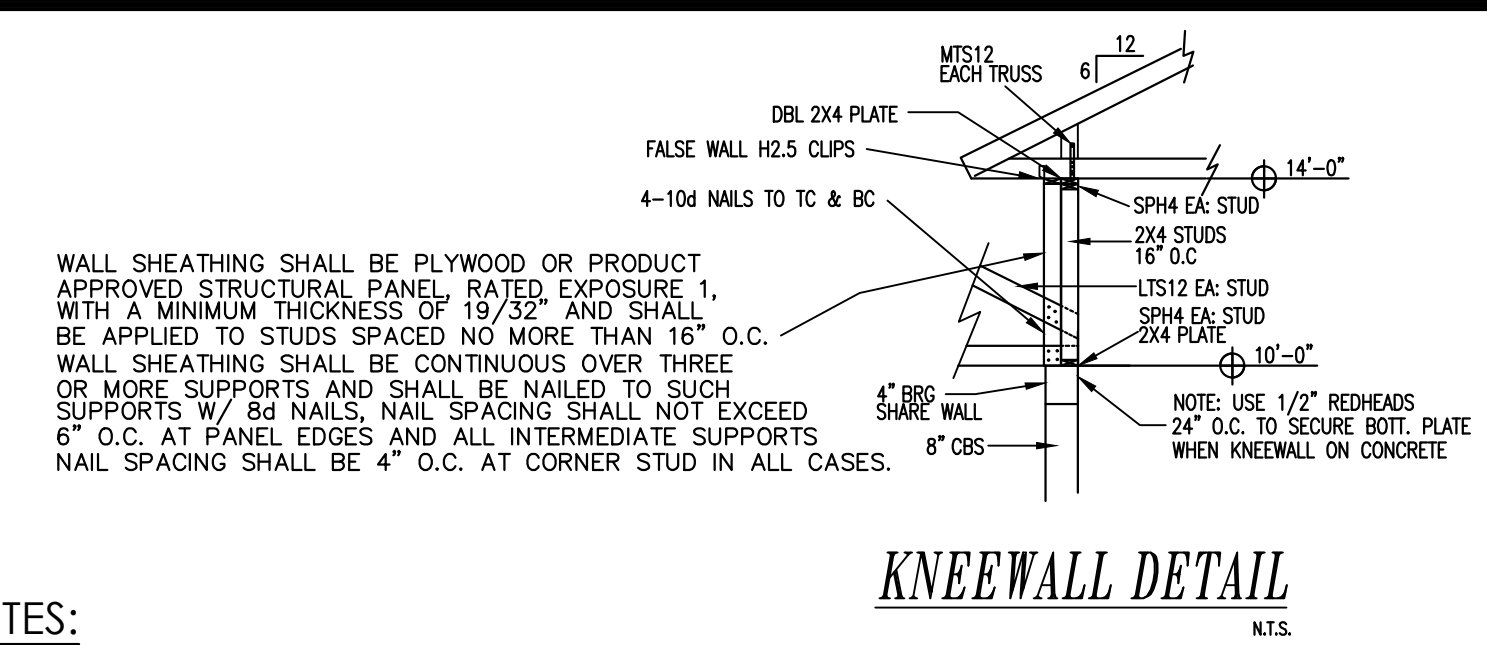
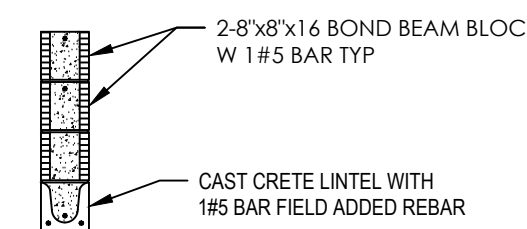
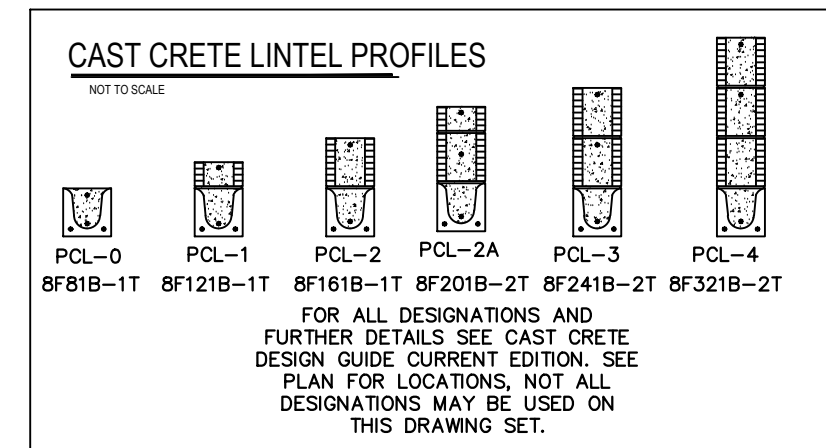
ALFRED J. QUATTRONE  
FLORIDA P.E. #52741

TUE, 3-6-2018 10:01 AM  
PLOTTED BY: ANTONIO

**S-1**



TYP END DETAIL



KNEEWALL DETAIL

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/ 2-16d 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.

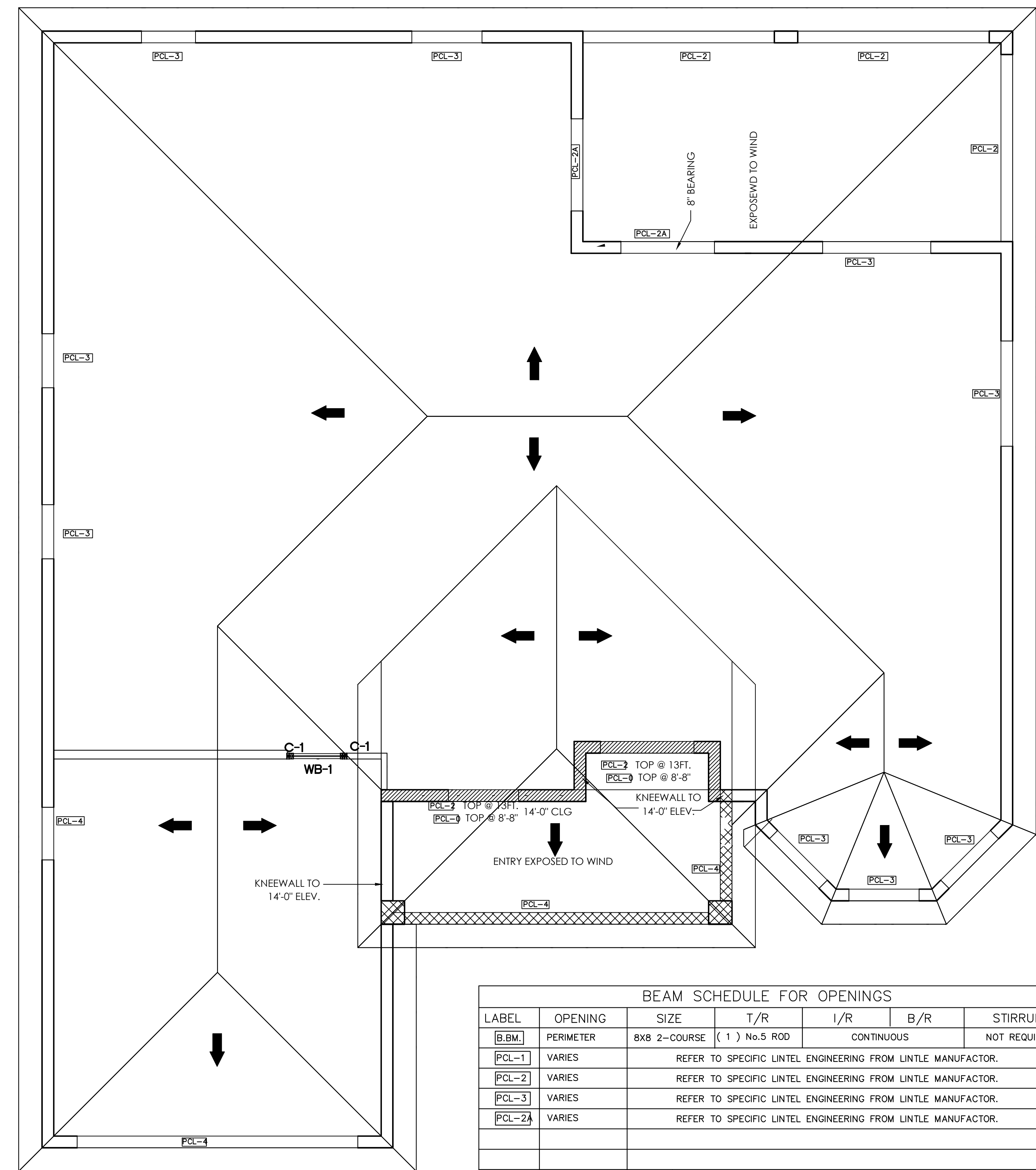
**HEADERS IN INTERIOR BEARING WALLS**  
HEADERS SHALL BE MINIMUM 2-2"x8" WITH 1/2" PLYWOOD SPACER, NAILED W/ 2 ROWS 16d NAILS @ 16" O.C. STAGGERED EACH PLY. PROVIDE MINIMUM 3" BEARING EACH END OF HEADER. ATTACH HEADER TO JACK STUDS W/ 1-SIMPSON LSTA18 EACH STUD TO HEADER. SEE PLANS FOR HEADER.

| COLUMN SCHEDULE |   |
|-----------------|---|
| COLUMN          | COLUMN DESCRIPTION  |
| C-1             | (3) 2X4 NO. 2 SYP GANGSTUD COLUMN 2-JACKS 1-CRIPPLE<br>-BASE CONNECTION TO CONCRETE: SIMPSON HTS<br>-TOP CONNECTION TO HEADER: (2) SIMPSON HTS20 TWIST STRAPS |

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

HOLD FOR PERMITTING ONLY

THE ENGINEER HAS CONSIDERED AND TAKEN INTO CONSIDERATION THE GRAVITY AND UPLIFT LOADS AS PER JOB #TBD DATED IN THE DESIGN OF THIS STRUCTURE.



ROOF / BOND BEAM PLAN  
SCALE: 1/4" = 1'-0"

| BEAM SCHEDULE FOR OPENINGS |           |  |              |            |     |              |
|----------------------------|-----------|--|--------------|------------|-----|--------------|
| LABEL                      | OPENING   | SIZE   | T/R          | I/R        | B/R | STIRRUPS     |
| [B.B.M.]                   | 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. |              |            |     |              |

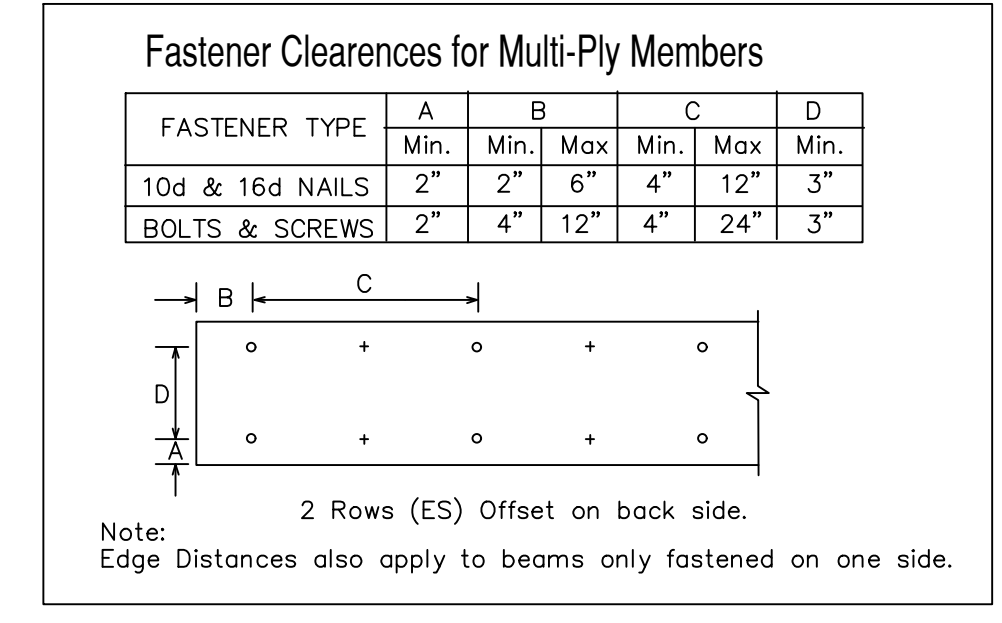
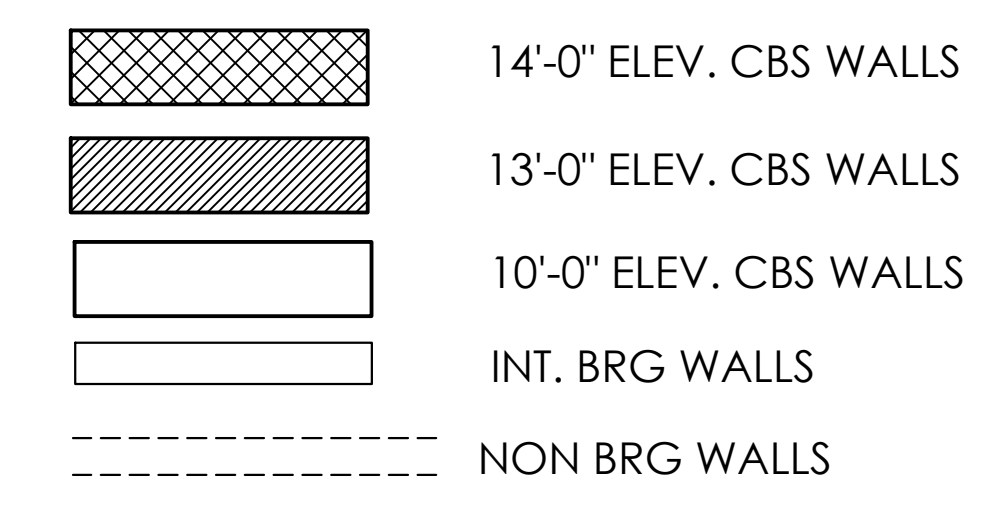
T/R = TOP REINFORCEMENT  
I/R = INTERMEDIATE REINFORCEMENT  
B/R = BOTTOM REINFORCEMENT

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 .

REACTIONS AND UPLIFTS

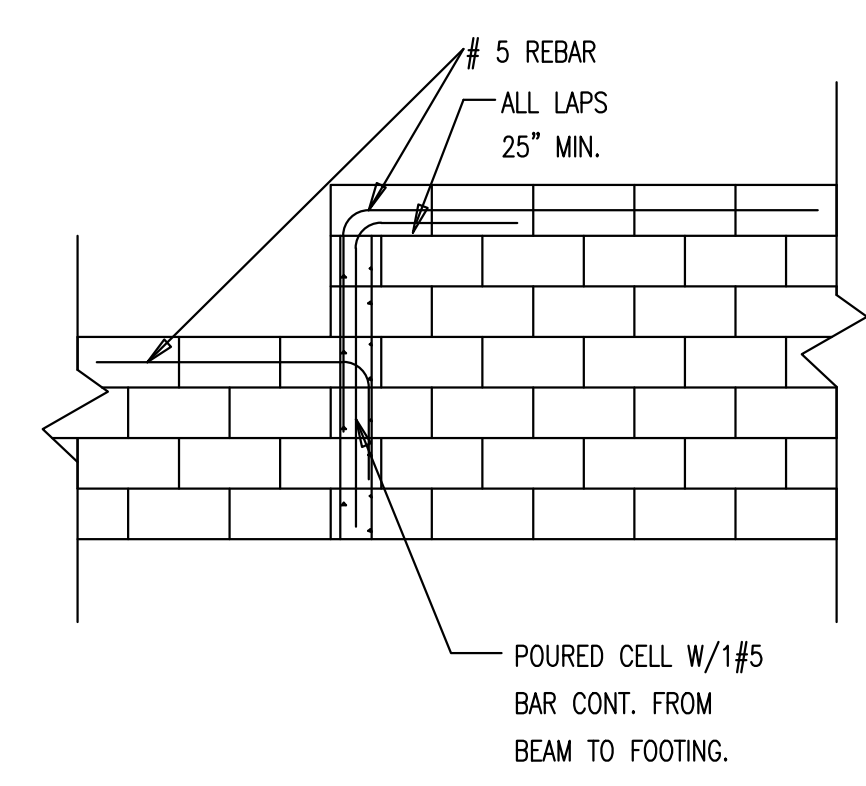
| # | REACTION | UPLIFT    | CONECTOR |        | NOTES    |
|---|----------|-----------|----------|--------|----------|
|   |          |           | (CONC)   | (WOOD) |          |
| ① |          | 0-1450    | META20   |        | CONCRETE |
| ② |          | 1450-1810 | HETA20   |        | CONCRETE |
| 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 |          |           | HETA20   |        | CONCRETE |
| ⑪ | 6,973    | -2,986    | HD5B     |        | CONCRETE |
| ⑫ | 4,263    | -1,875    | HD5B     |        | CONCRETE |
| ⑬ |          |           | HD5B     |        | CONCRETE |

TRUSS BRG. KEY



| 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  |

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



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4301 Veronica Shumaker Blvd - Fort Myers, Florida 33916 - 238-886-6222

| REVISIONS: | DATE: |
|------------|-------|
| △ x.       |       |
| △ x.       |       |
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| △ x.       |       |

Drawn: AR  
CHECK BY: AQ  
2-26-2018  
18-051  
1/4" = 1'-0"

**SPEC HOME**  
SINGLE FAMILY RESIDENCE  
Parcel No. 37745080109  
24TH AVENUE NE  
NAPLES FL 34120

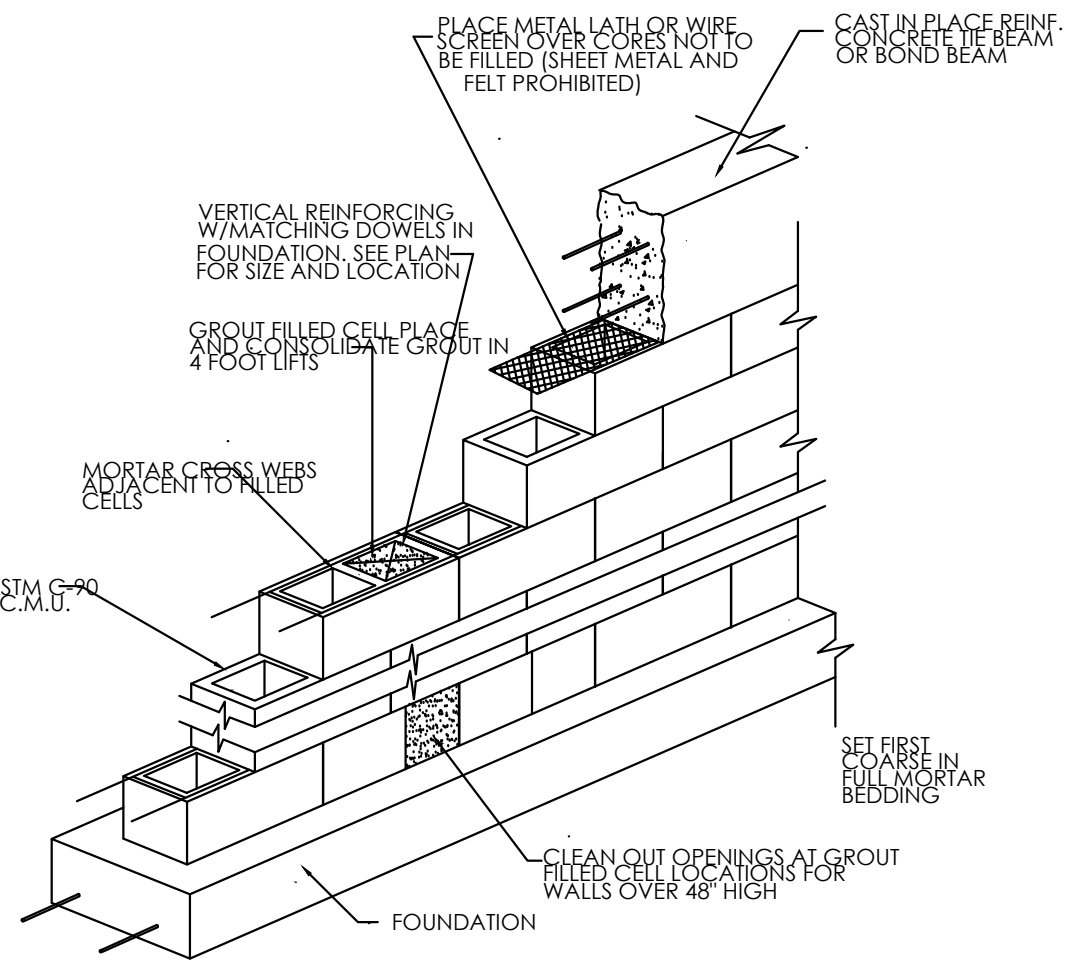
APPROVED  
THIS STRUCTURE MEETS ALL REQUIREMENTS OF THE 2017 FL. BUILDING CODES  
ALFRED J. QUATTRONE  
FLORIDA P.E. #52741  
TUE, 3-6-2018 9:57 AM  
PLOTTED BY: ANTONIO

**S-2**

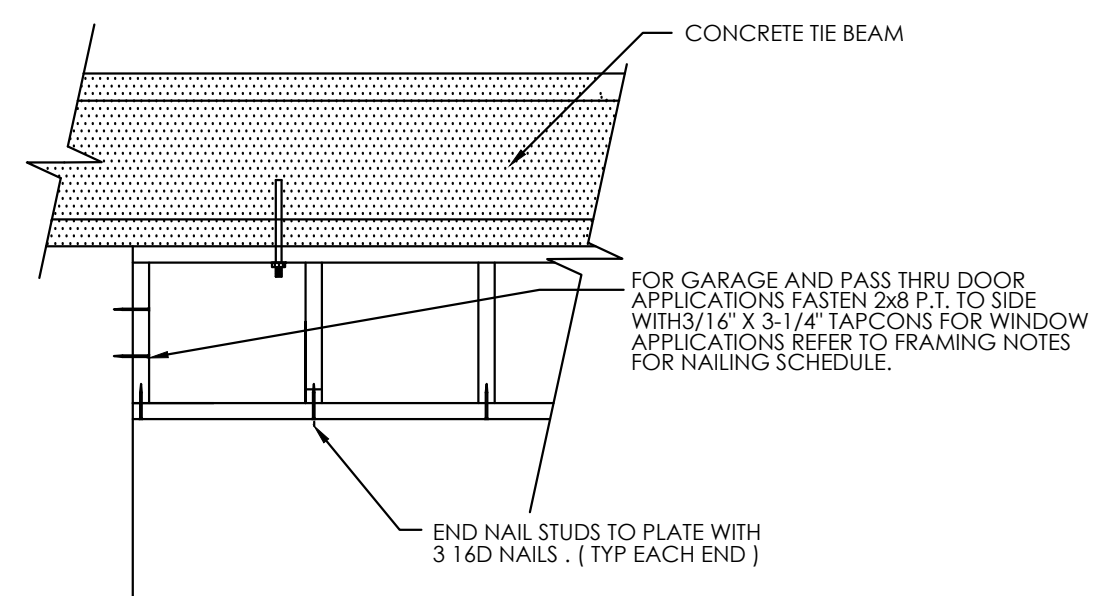
NOTE:  
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CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY & ALL COSTS RELATED TO CORRECTIONS OF THE PLANS.



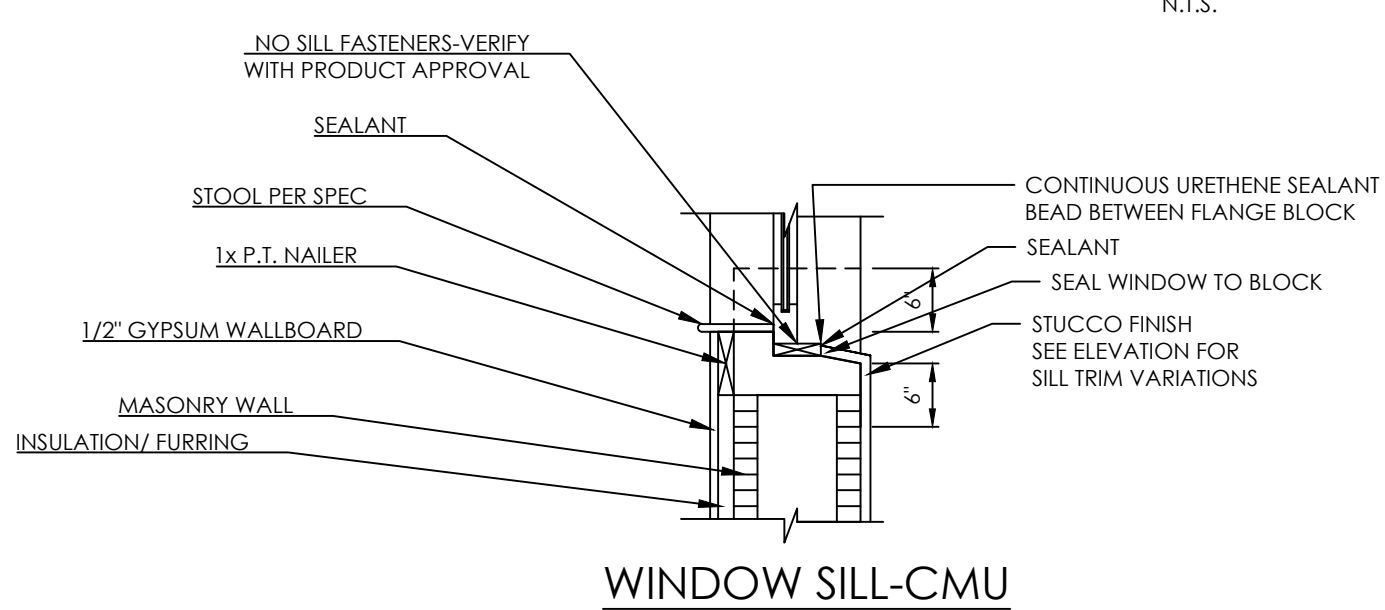
- FRAMING NOTES:**
- 1.) FOR WINDOW AND DOOR ATTACHMENT TO MASONRY USE BUCK IN BED OF LIQUID NAIL TO MASONRY SIDE AND TOP OF OPENING WITH 1" 3/4" x .097" POWER DRIVEN T-NAIL OR 3/16" x 2-1/4" TAPCONS. START AT 4" THEN 8" ON CENTER. ATTACH WINDOW IN ACCORDANCE WITH WINDOW MANUFACTURER'S SPECIFICATIONS.
  - 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.



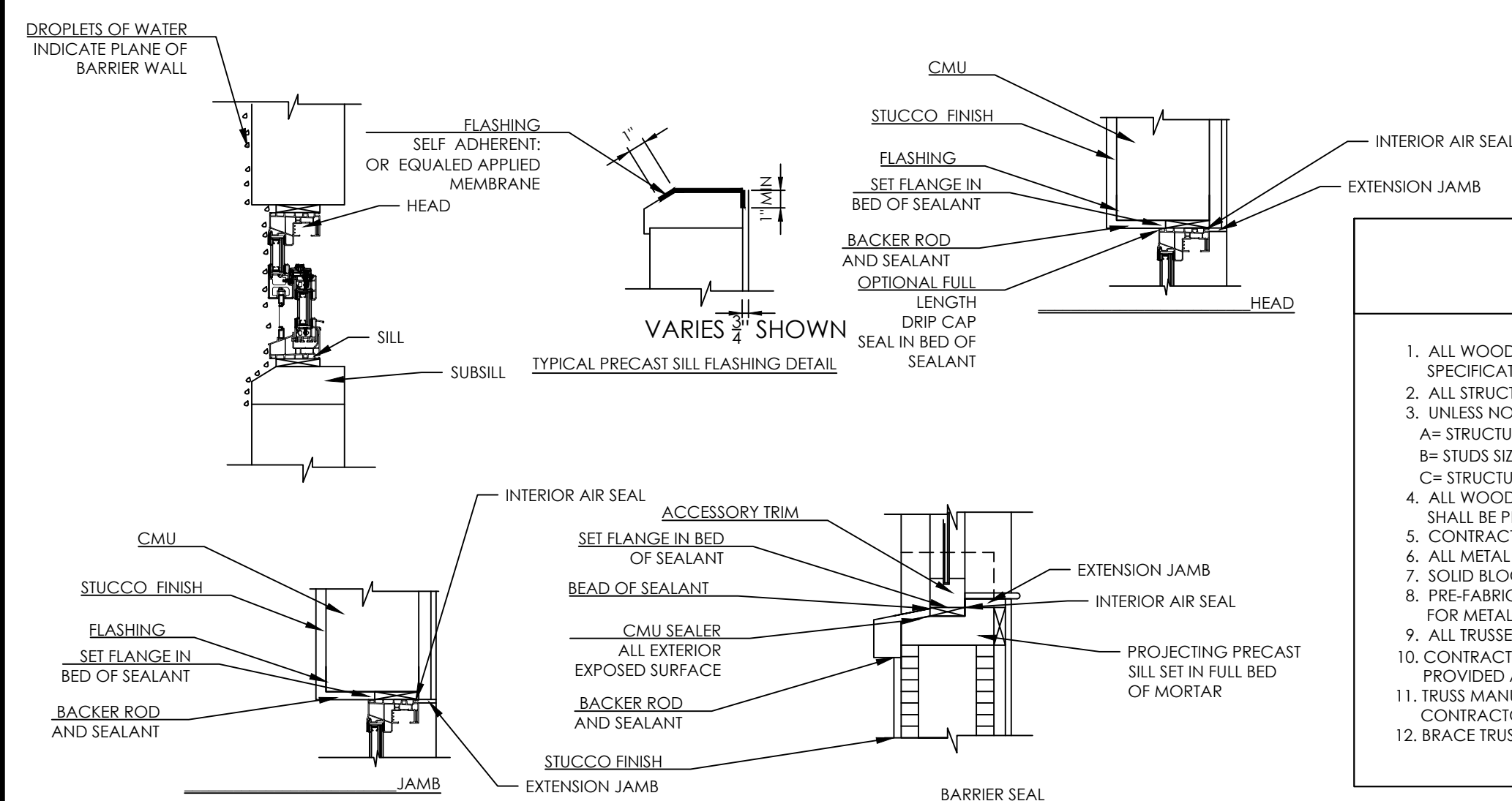
TYP. MASONRY WALL CONSTRUCTION



SPACE FRAMING OVER GARAGE AND PASS THRU DOORS



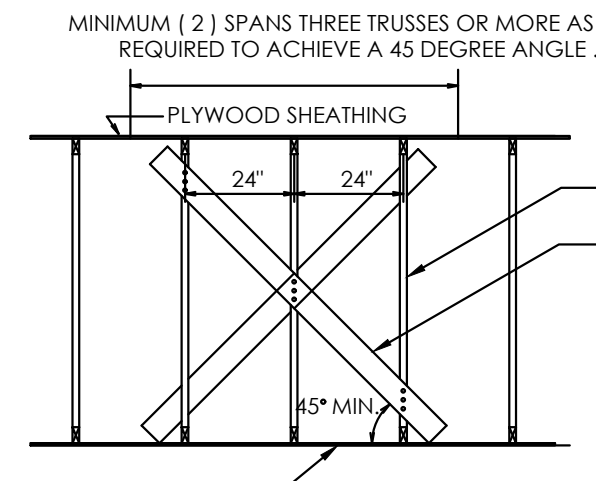
WINDOW SILL-CMU



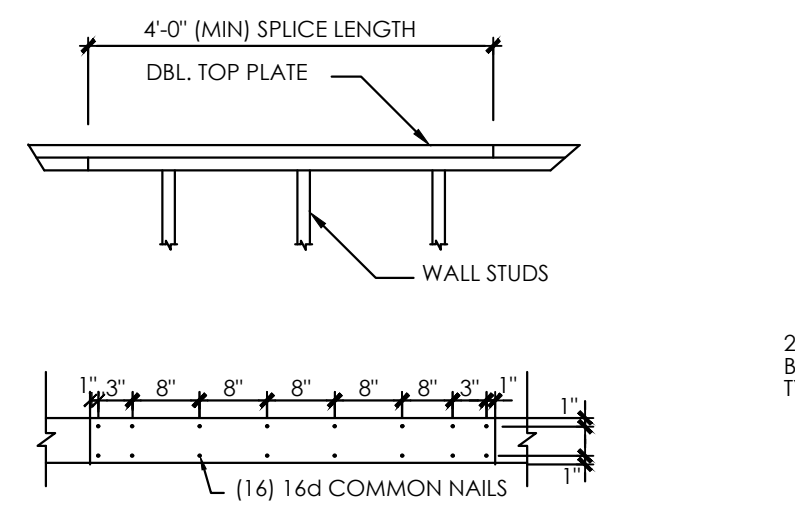
DESIGNED TO MEET THE REQUIREMENTS OF FBC 17 SECTION R 703.08 FLASHING

**DECORATIVE ARCH FRAMING DETAIL**

N.T.S.



INTERMEDIATE TRUSS BRACING



TRUSS BRACING

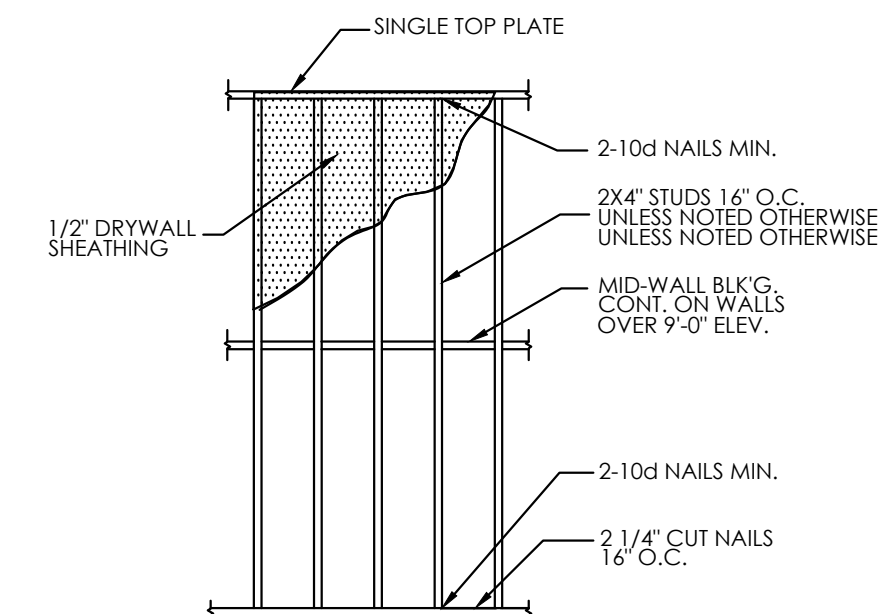
- NOTES:**
- 1.) ALL PERMANENT BRACING TO CONFORM TO DETAILED TRUSS ENGINEERING BY MANUFACTURER.
  - 2.) BRACE BOTTOM CHORD AT NO MORE THAN 15 FEET AS DETERMINED BY SPACING REQUIREMENTS.
  - 3.) LOCATE BRACING NEAR BOTTOM CHORD PANEL POINTS.
  - 4.) TEMPORARY BRACING MAY BE LEFT IN PLACE.
  - 5.) ALL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

**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.

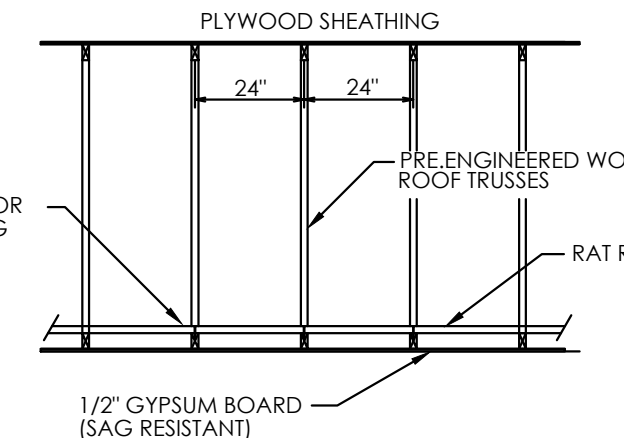
**NON. BRG. WALL ANCHORING**

N.T.S.



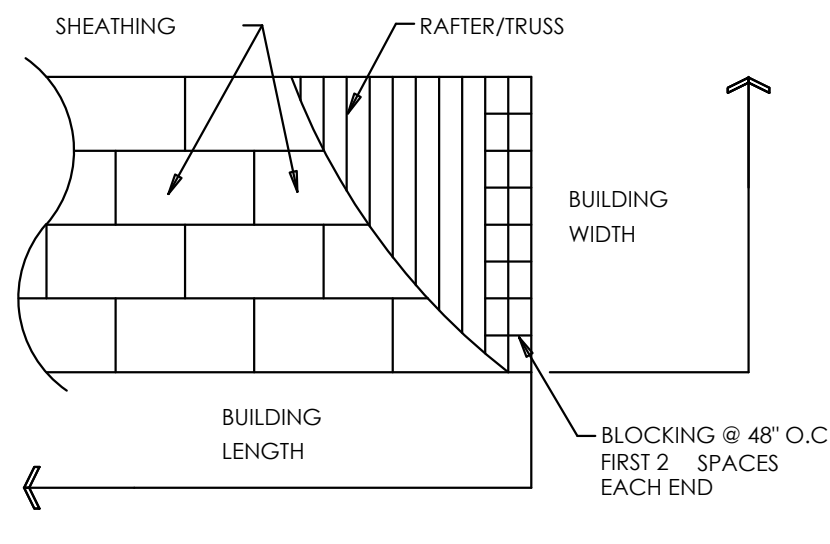
**TRUSS BRACING**

N.T.S.



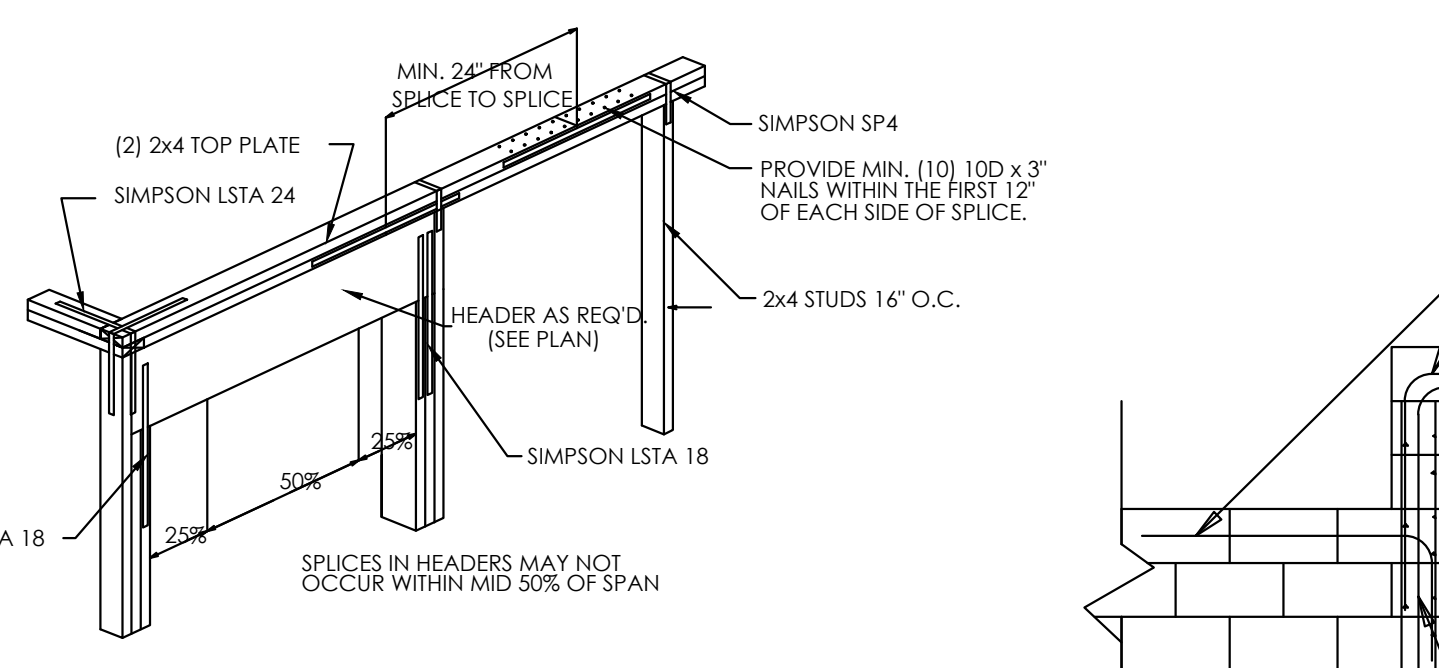
**ROOF SHEATHING LAYOUT**

N.T.S.



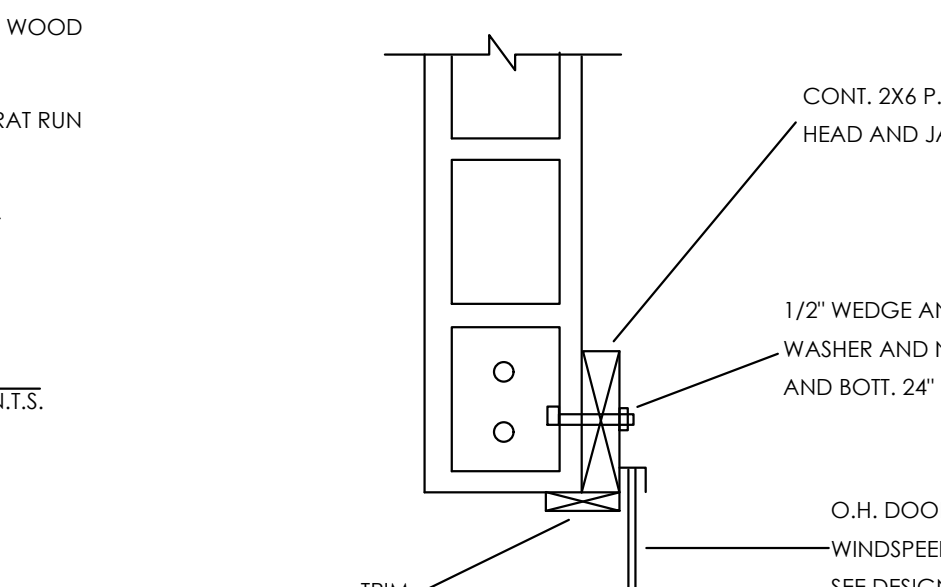
**EXPOSED CEILING ATTACHMENT DETAIL**

N.T.S.



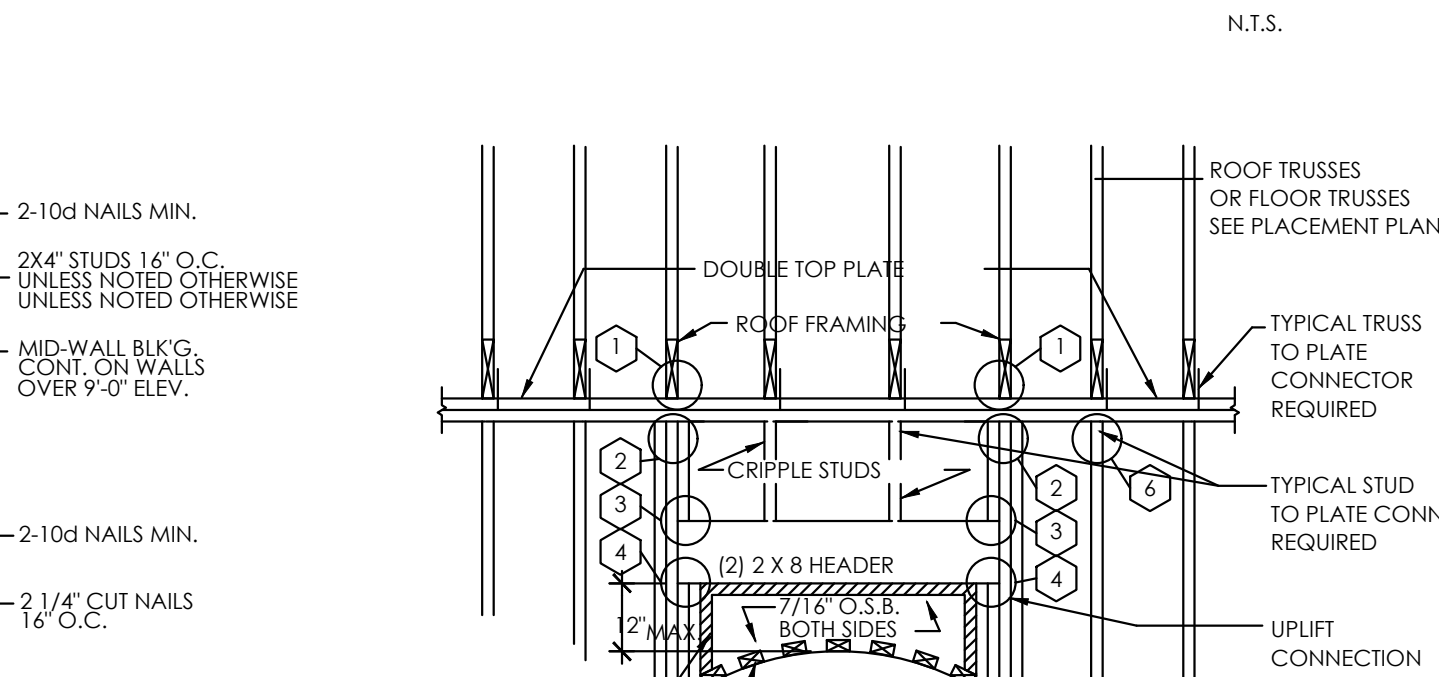
**WOOD FRAME SPICING DETAIL**

N.T.S.



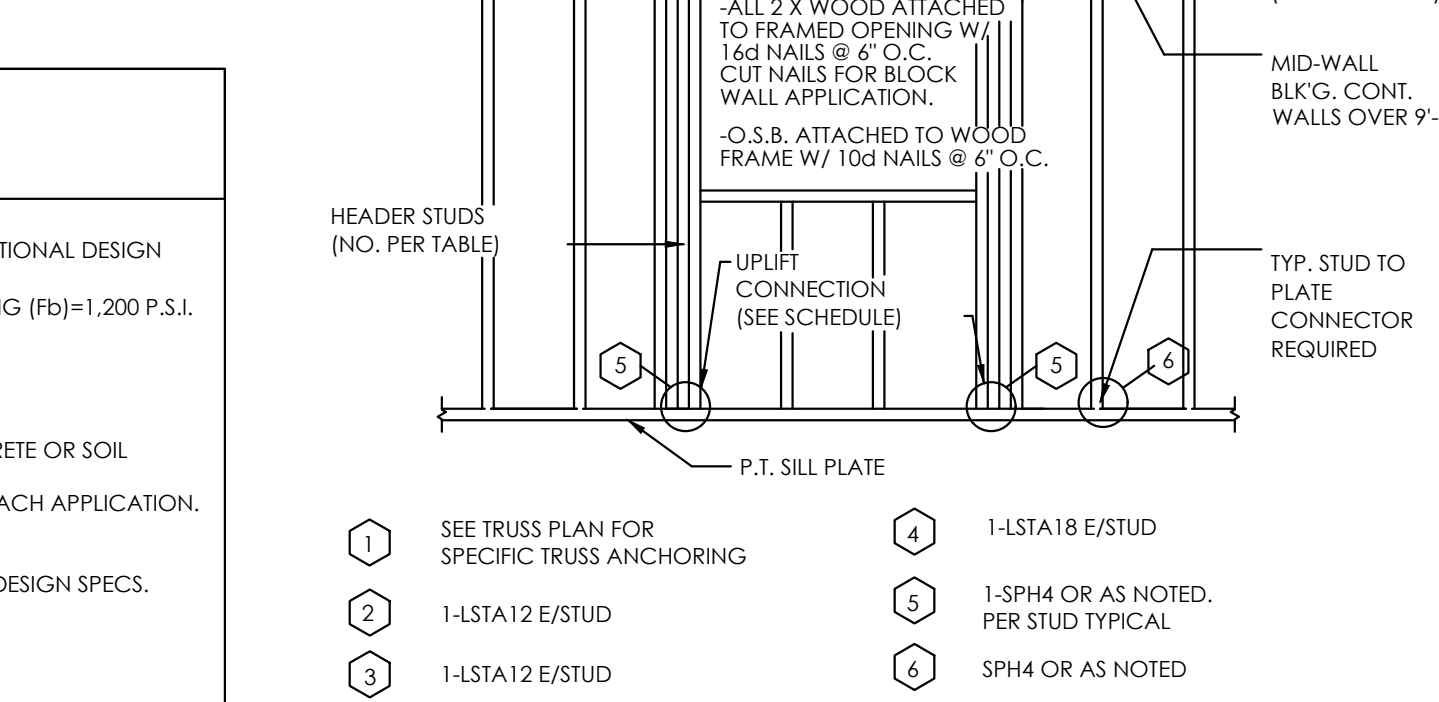
**GARAGE DOOR BUCK DETAIL**

N.T.S.



**FRAMING AND CONNECTIONS FOR LOAD BEARING OPENINGS**

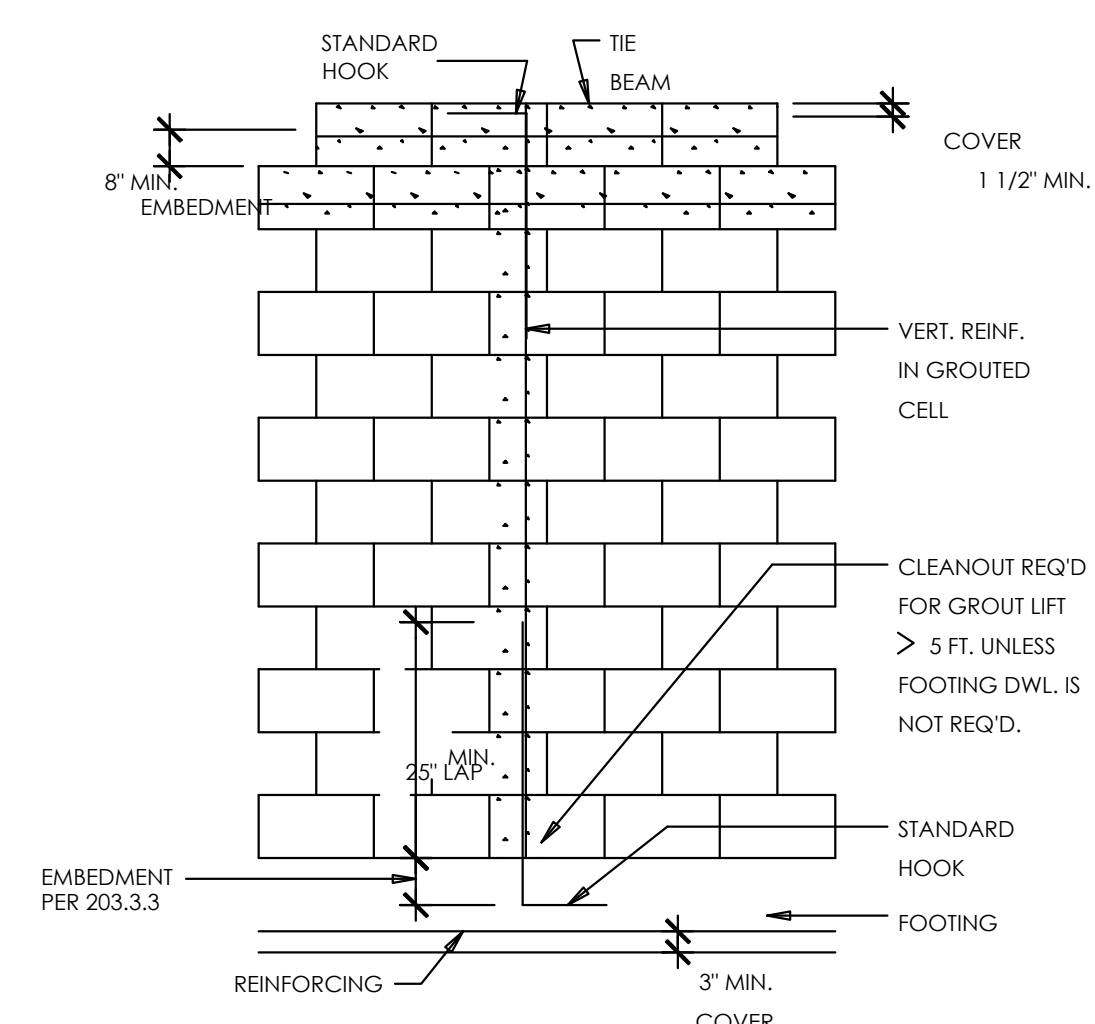
N.T.S.



TYP. FRAMING AND CONNECTIONS FOR LOAD BEARING OPENINGS

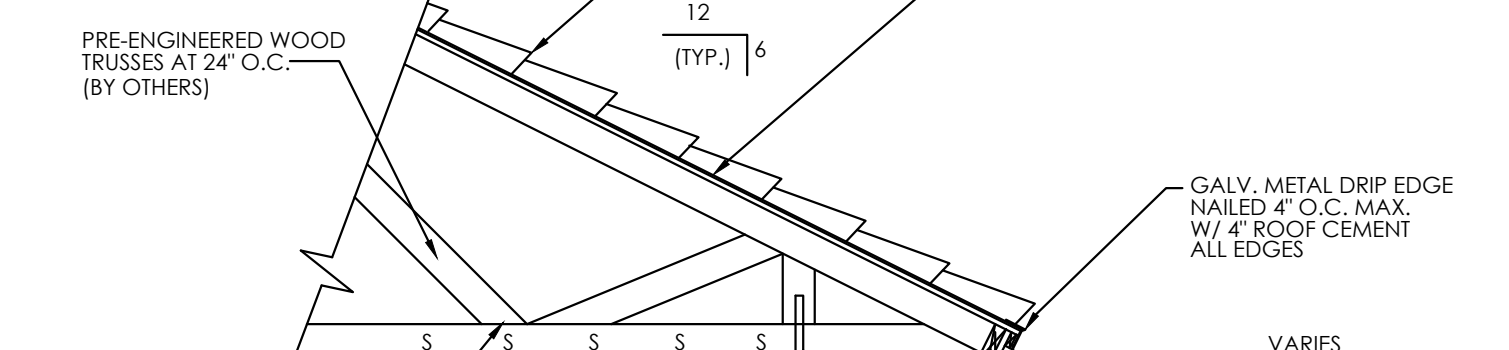
**MASONRY WALL DETAIL**

N.T.S.



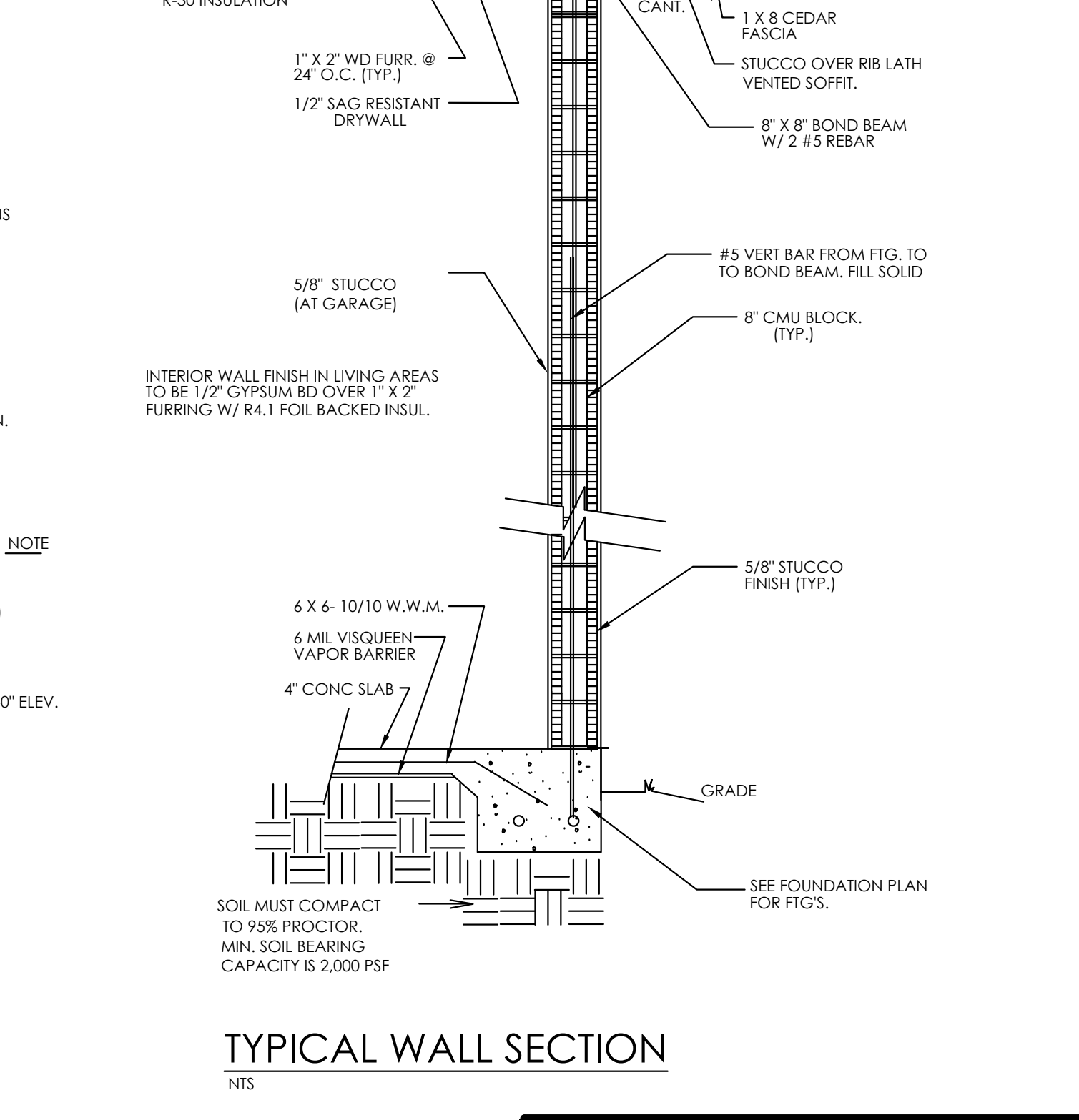
**CHANGE OF TIE BEAM HT.**

N.T.S.



**TYPICAL WALL SECTION**

N.T.S.



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**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  
4301 Veneta Shores Blvd - Fort Myers, Florida 33916 - 239-886-5222  
Certificate of Authorization Number: 9465

**REVISIONS:**

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| 1   |      |             |
| 2   |      |             |
| 3   |      |             |
| 4   |      |             |

Drawn: AR, Check By: AQ  
2-26-2018, File: 18-051  
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**SPEC HOME**  
SINGLE FAMILY RESIDENCE  
Parcel No. 37745080109  
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APPROVED  
THIS STRUCTURE MEETS ALL REQUIREMENTS OF THE 2017 FL BUILDING CODES  
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FLORIDA P.E. #52741

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PLOTTED BY: ANTONIO

**S-3**