

# HISTORIC AND DESIGN REVIEW COMMISSION

February 03, 2021

**HDRC CASE NO:** 2021-041  
**ADDRESS:** 120 CALLAGHAN AVE  
**LEGAL DESCRIPTION:** NCB 719 BLK 1 LOT N 1-2 OF 5  
**ZONING:** RM-4  
**CITY COUNCIL DIST.:** 1  
**DISTRICT:** Lavaca Historic District  
**APPLICANT:** Mario Mendiola  
**OWNER:** Mario Mendiola  
**TYPE OF WORK:** Historic Tax Certification  
**APPLICATION RECEIVED:** January 22, 2021  
**60-DAY REVIEW:** Not applicable due to City Council Emergency Orders  
**CASE MANAGER:** Rachel Rettaliata

## REQUEST:

The applicant is requesting Historic Tax Certification for the property at 120 Callaghan.

## APPLICABLE CITATIONS:

*UDC Section 35-618. Tax Exemption Qualification.*

(d) Certification.

(1) Historic and Design Review Commission Certification. Upon receipt of the owner's sworn application the historic and design review commission shall make an investigation of the property and shall certify the facts to the city tax assessor-collector within thirty (30) days along with the historic and design review commission's documentation for recommendation of either approval or disapproval of the application for exemption.

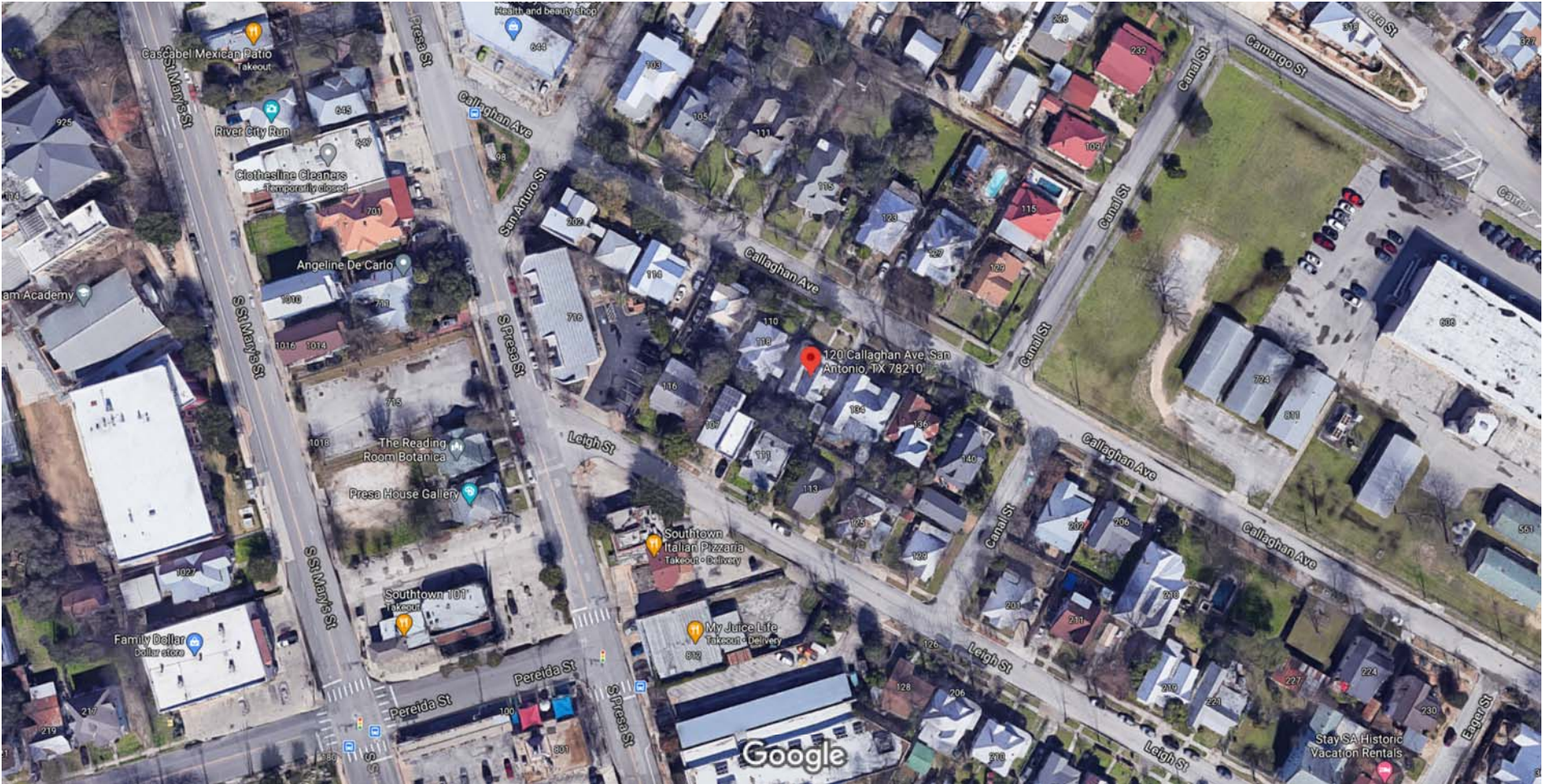
## FINDINGS:

- a. The primary structure at 120 Callaghan is a 1.5-story, single-family residence constructed circa 1915 in the Folk Victorian style. The home features a primary side-gable configuration, an asymmetrical front porch with turned columns, tall rectangular wood windows with a two-over-two configuration, and a primary front gable with decorative wood shingles. The structure is contributing to the Lavaca Historic District. A fire damaged the interior of the structure, along with a portion of the exterior roof and rear façade in March 2019. The applicant received approval to reconstruct the structure in kind. The property is an individual landmark. The applicant is requesting Historic Tax Certification.
- b. The scope of work includes the in-kind interior and exterior reconstruction of the structure, the installation of new electrical, HVAC and plumbing, roof installation, door and window installation, painting, porch railing installation, and landscaping.
- c. The applicant has met all the requirements for Historic Tax Certification outlined in UDC Section 35-618 and has provided evidence to that effect to the Historic Preservation Officer.

## RECOMMENDATION:

Staff recommends approval based on findings a through c.

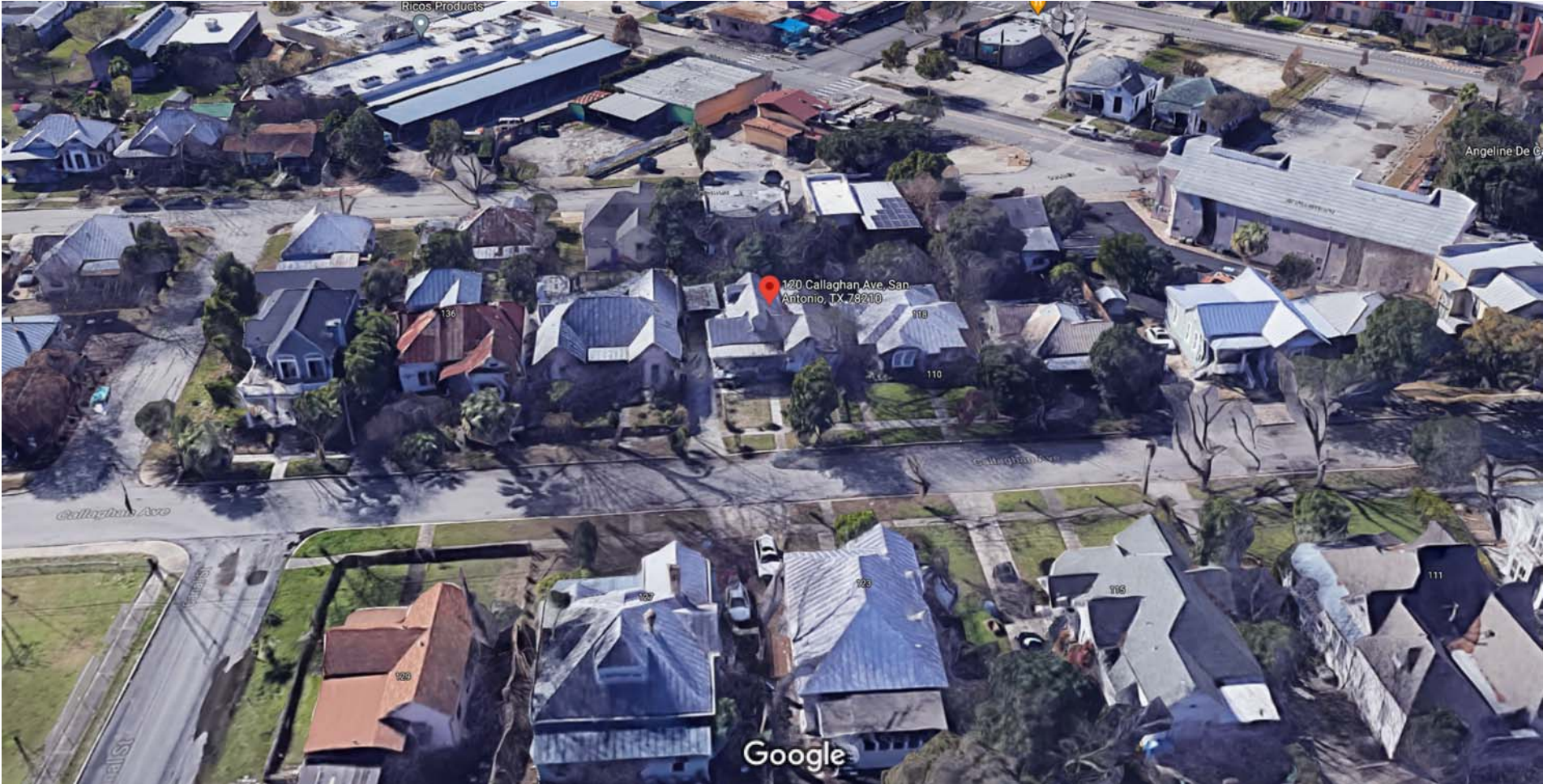
Google Maps 120 Callaghan Ave



Imagery ©2021 Google, Imagery ©2021 CNES / Airbus, Maxar Technologies, Map data ©2021 Google 50 ft



Google Maps 120 Callaghan Ave



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Google Maps 120 Callaghan Ave



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Google Maps 120 Callaghan Ave



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Google Maps 120 Callaghan Ave



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NOTES

CUSTOM HOME PLANS FOR:  
**120 CALLAGHAN AVE.**  
SAN ANTONIO, TX

PLAN NO.  
**000**  
06/05/2020

COVER  
SHEET &  
SITE PLAN

SHEET





# MENDIOLA RESIDENCE

SAN ANTONIO, TEXAS



210.400.5617

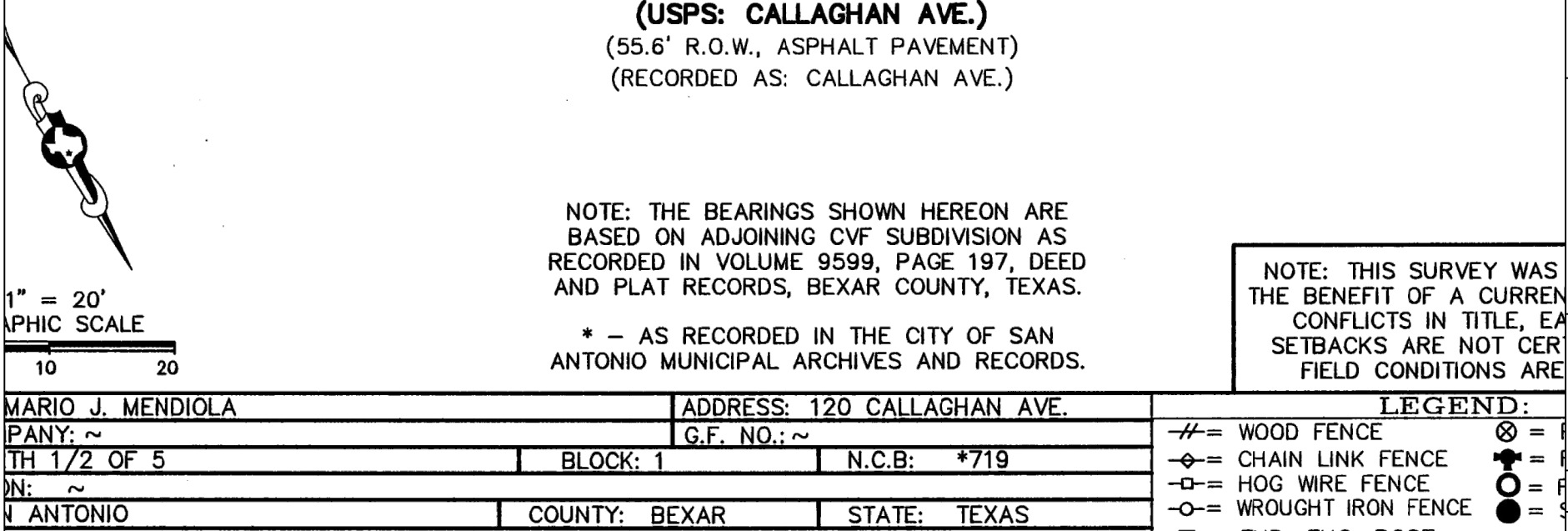
## ARCHITECTURAL

MEP

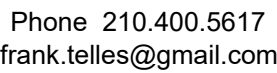
## STRUCTURAL

## VECINITY MAP

19. ALL WALL & CEILING FINISHES TO BE CLASS B OR BETTER, FLAME SPREAD 26-75 WITH MAXIMUM SMOKE DEVELOPED OF 450.
20. ALL INTERIOR TRIM TO BE CLASS C, FLAME SPREAD 76-200 WITH MAXIMUM SMOKE DEVELOPED OF 450.
21. FLOOR COVERINGS TO HAVE A FLAME SPREAD RATING NOT TO EXCEED 75.
22. ALL COMBUSTIBLE INTERIOR FINISH & TRIM ITEMS ARE TO BE APPLIED DIRECTLY TO A NON-COMBUSTIBLE BASE.
23. PROVIDE AND INSTALL OCCUPANCY SIGN IN A CONSPICUOUS LOCATION IN ACCORDANCE WITH STATE & LOCAL CODES.
24. PROVIDE AND INSTALL OCCUPANCY SIGN IN A CONSPICUOUS LOCATION IN ACCORDANCE WITH STATE & LOCAL CODES.
25. SIGNAGE AS SHOWN IN THESE DRAWINGS IS SCHEMATIC ONLY FOR ILLUSTRATION PURPOSES AND DOES NOT IMPLY OR DESCRIBE ANY MEANS, METHODS, OR DETAILS PERTAINING TO INSTALLATION OF THE SIGNAGE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR'S RESPONSIBILITY TO DESIGN, FABRICATE, AND INSTALL THE SIGN UNDER SEPARATE PERMIT. ANY AND ALL STRUCTURAL CONSIDERATIONS SHALL BE COORDINATED BETWEEN THE SIGNAGE CONTRACTOR, OWNER, AND HIS DESIGN PROFESSIONALS. THE SUBMITTER OF THE SIGNAGE SHALL SUBMIT SHOP DRAWINGS DESCRIBING THE SIGNAGE DESIGN INCLUDING FINISHES, COLORS AND DESIGN DIMENSIONS TO THE OWNER FOR DESIGN INTENT REVIEW ONLY PRIOR TO SIGN FABRICATION.
26. SPRINKLER WORK WHERE REQUIRED BY CODE OR CONSTRUCTION CONDITIONS SHALL BE SUBMITTED UNDER SEPARATE PERMIT BY A LICENSED SPRINKLER CONTRACTOR. THE SPRINKLER & FIRE ALARM INT BASE BUILDING FIRE PROTECTION SYSTEM.
27. NO ELEMENTS ARE TO BE ATTACHED TO OR SUPPORTED FROM THE ROOF DECK.
28. G.C. SHALL NOT USE GAS POWERED CONSTRUCTION EQUIPMENT.



## SITE PLAN



**CUSTOM HOME PLANS FOR:  
120 CALLAGHAN AVE.  
SAN ANTONIO, TX**

# COVER SHEET & SITE PLAN

**SHEET**

COVER





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NOTES

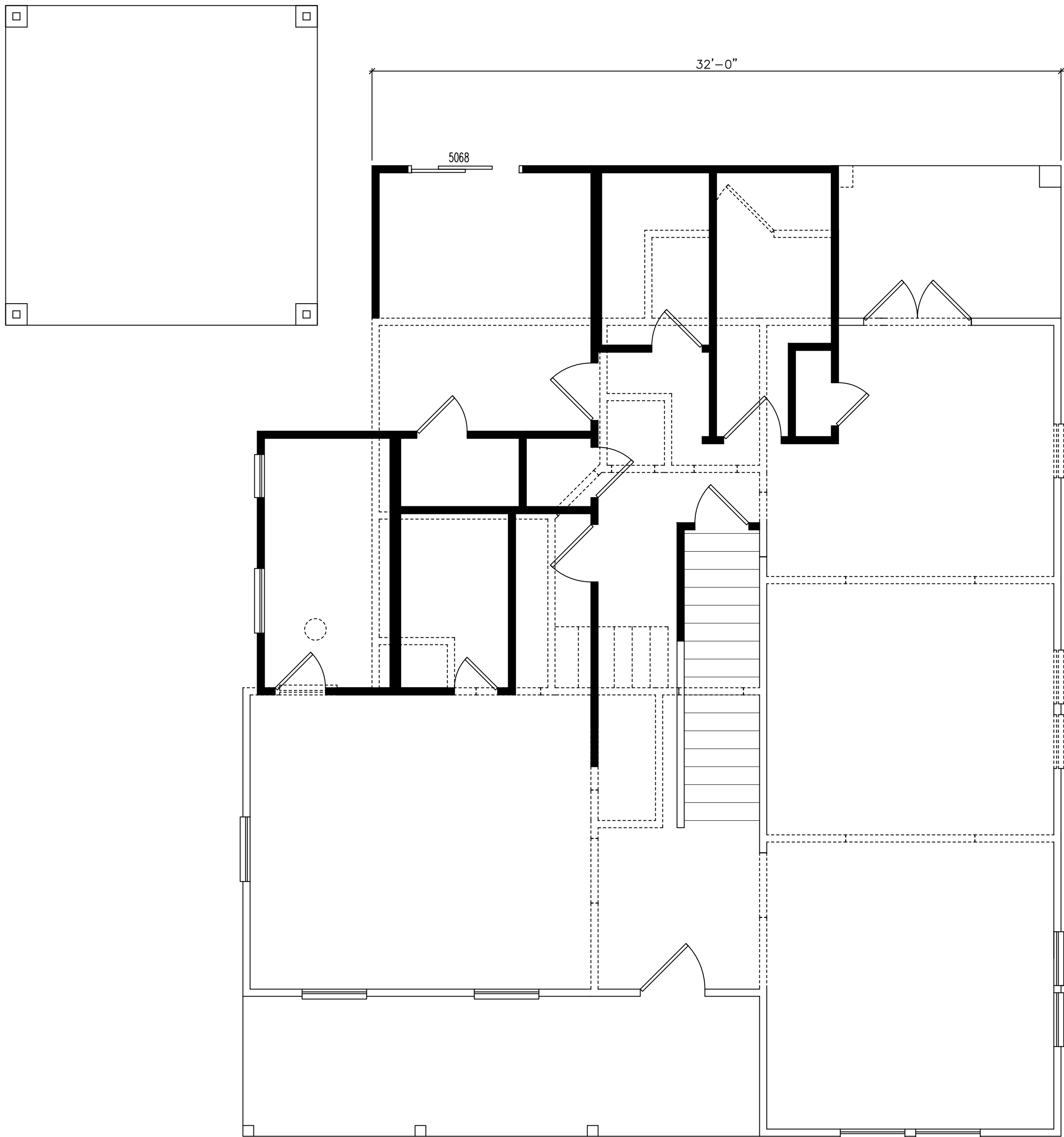
MENDIOLA'S RESIDENCE  
120 CALLAGHAN AVE  
SAN ANTONIO, TX

PLAN NO.  
000  
06/05/2020

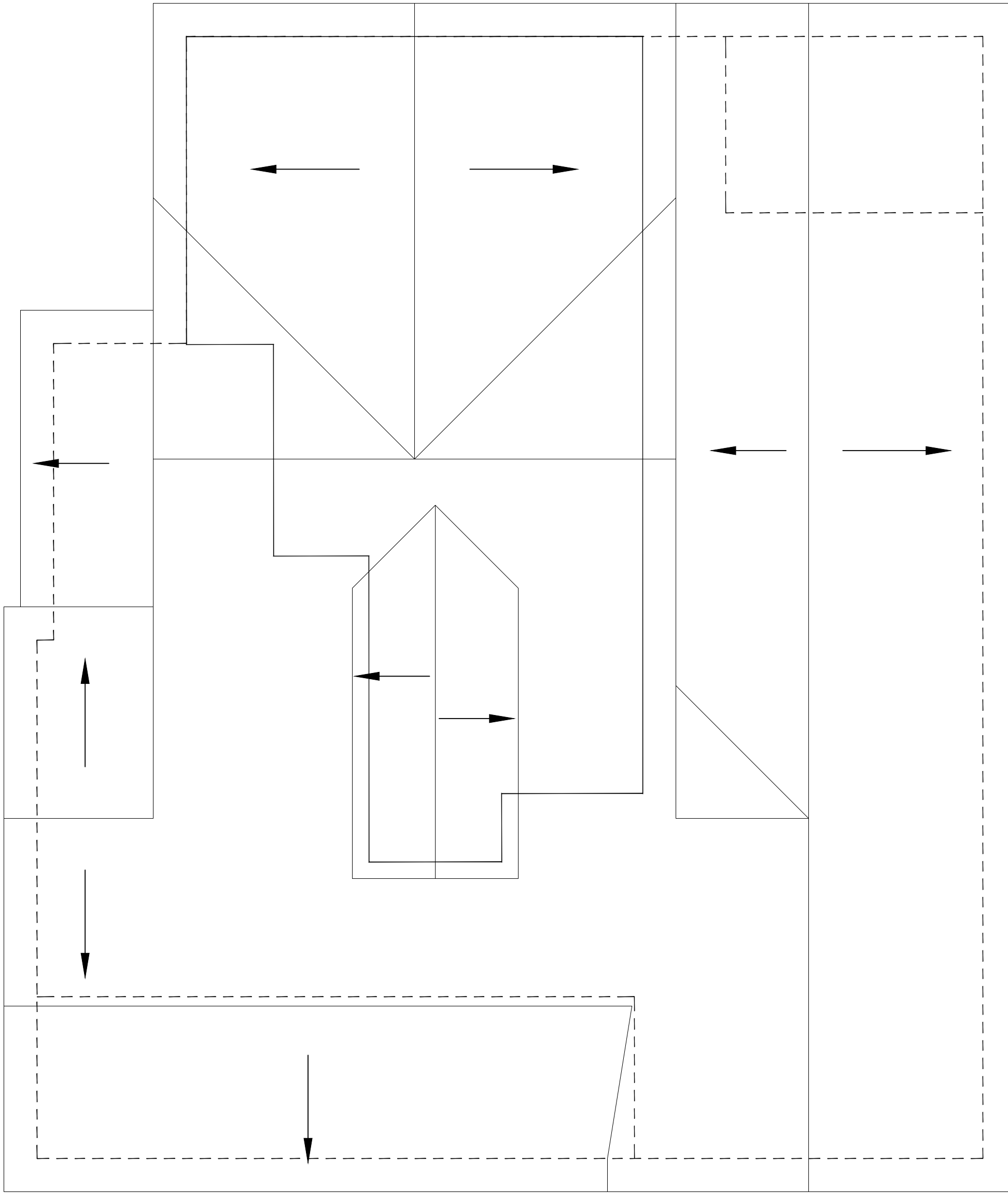
DEMO  
PLAND AND  
ROOF PLAN

SHEET

A-100



DEMO  
MAIN FLOOR PLAN  
11" x 17" - SCALE 1/8" = 1'-0"  
24" x 36" - SCALE 1/4" = 1'-0"



ROOF PLAN

11" x 17" - SCALE 1/8" = 1'-0"  
24" x 36" - SCALE 1/4" = 1'-0"





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NOTES

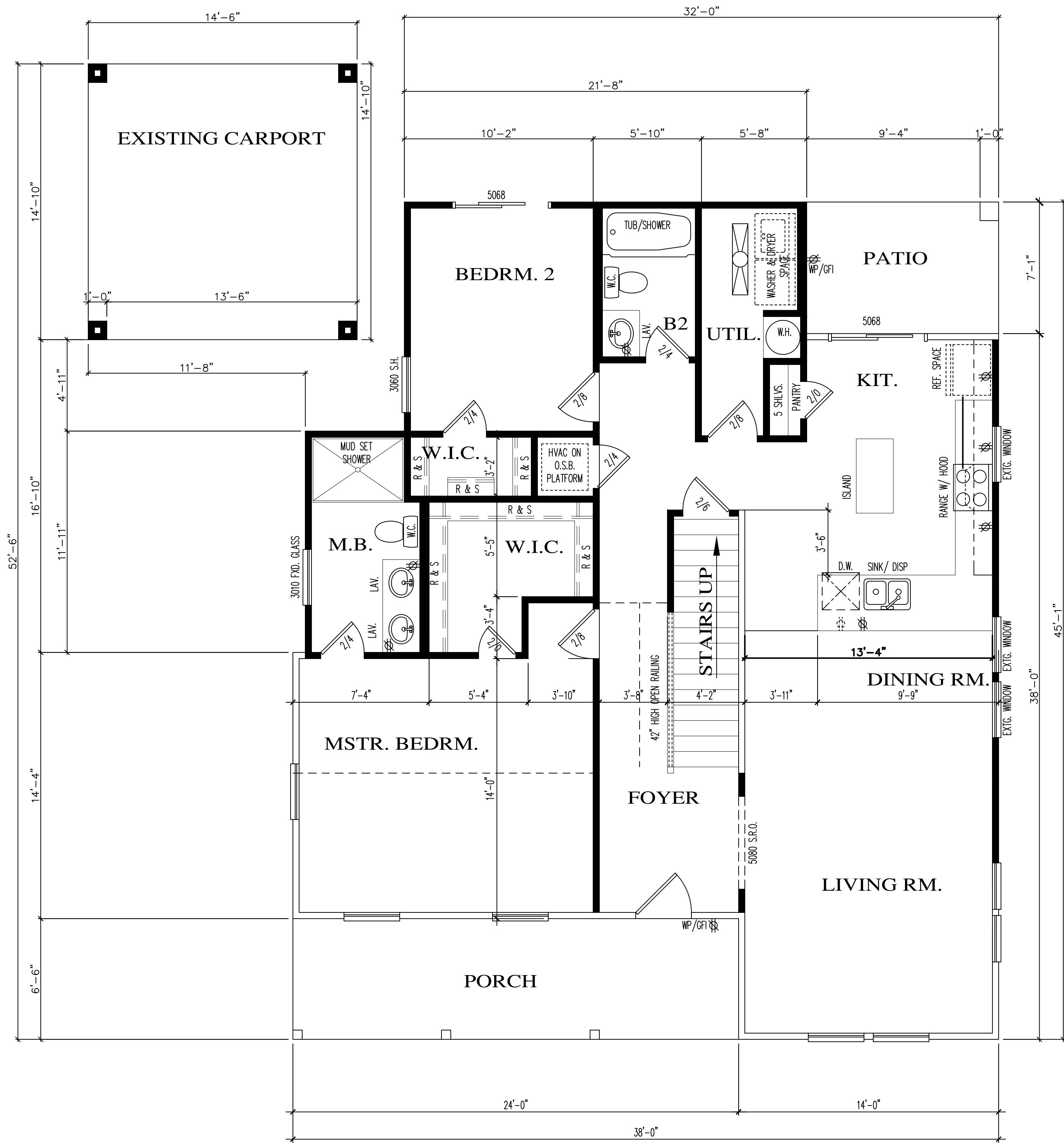
MENDIOLA'S RESIDENCE  
120 CALLAGHAN AVE  
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06/05/2020

FLOOR  
PLANS

SHEET

A-101

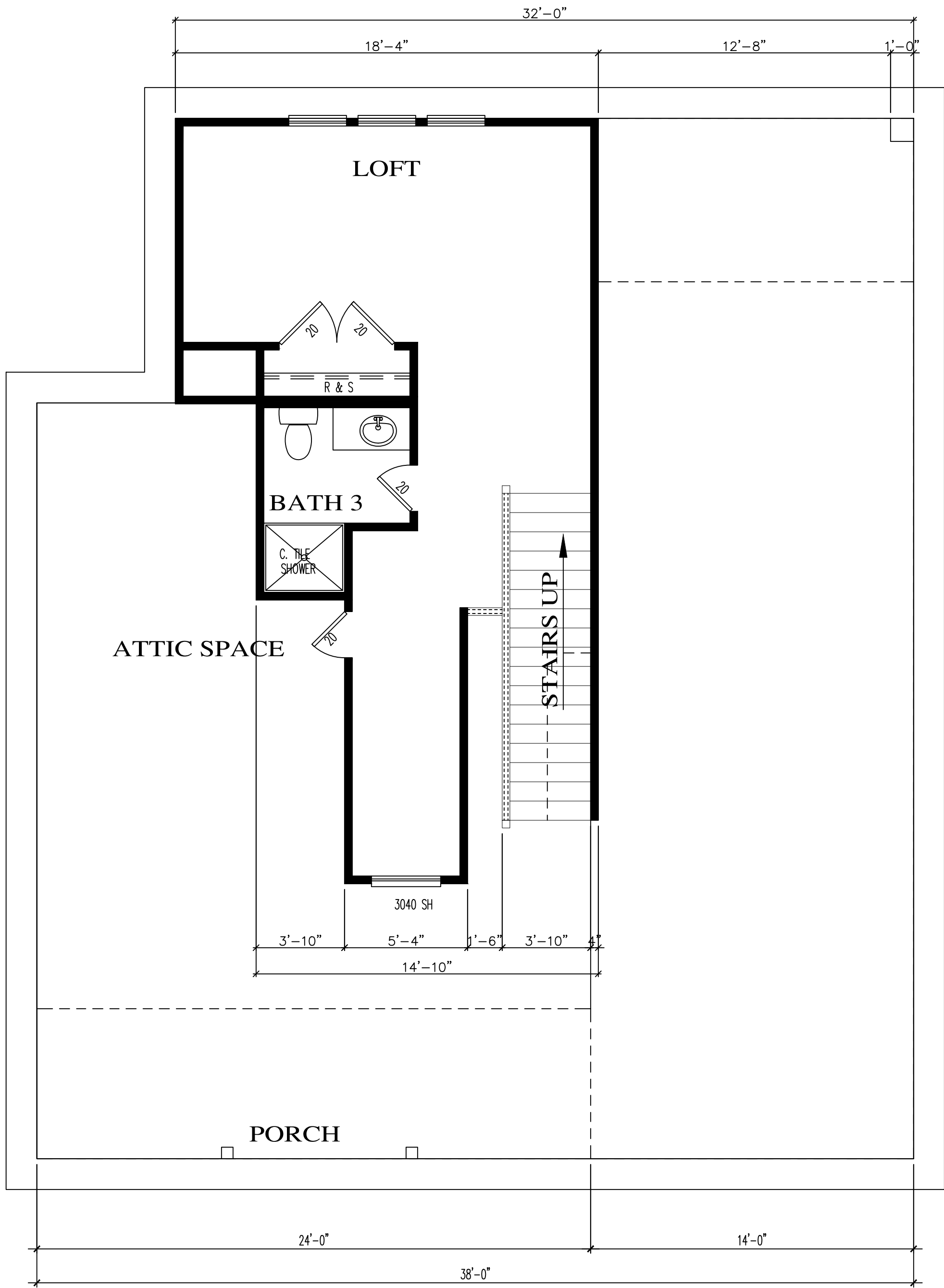


1ST LEVEL FLOOR PLAN

11" x 17" - SCALE 1/8" = 1'-0"  
24" x 36" - SCALE 1/4" = 1'-0"

LEGEND

- WALLS & WINDOWS TO BE REMOVED
- WALLS & DOORS TO BE REMOVED
- WALLS & DOORS TO REMAIN
- WALLS & WINDOWS TO REMAIN
- NEW WALLS & DOORS
- NEW WALLS & WINDOWS



LOFT FLOOR PLAN

11" x 17" - SCALE 1/8" = 1'-0"  
24" x 36" - SCALE 1/4" = 1'-0"





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## NOTES

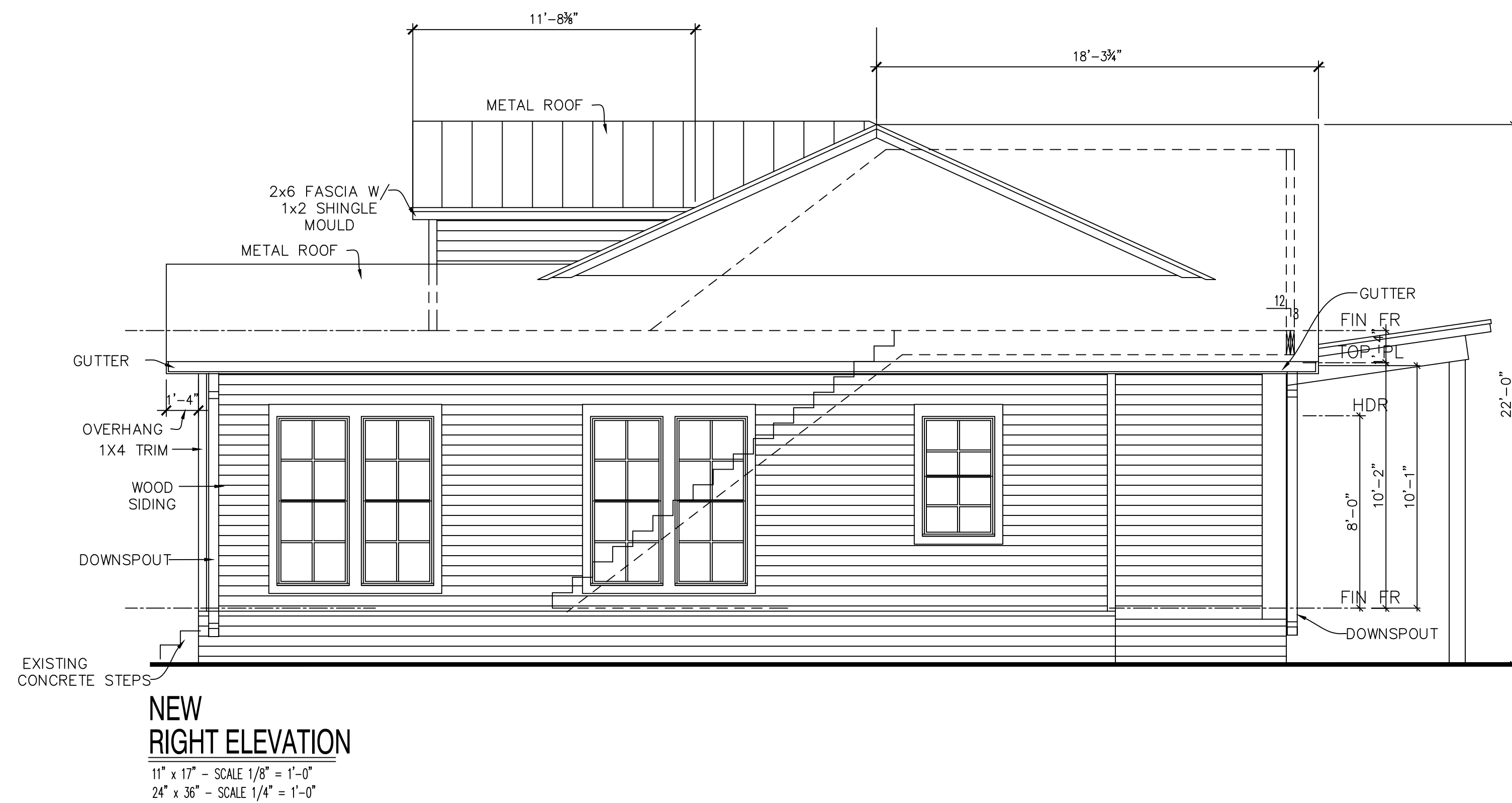
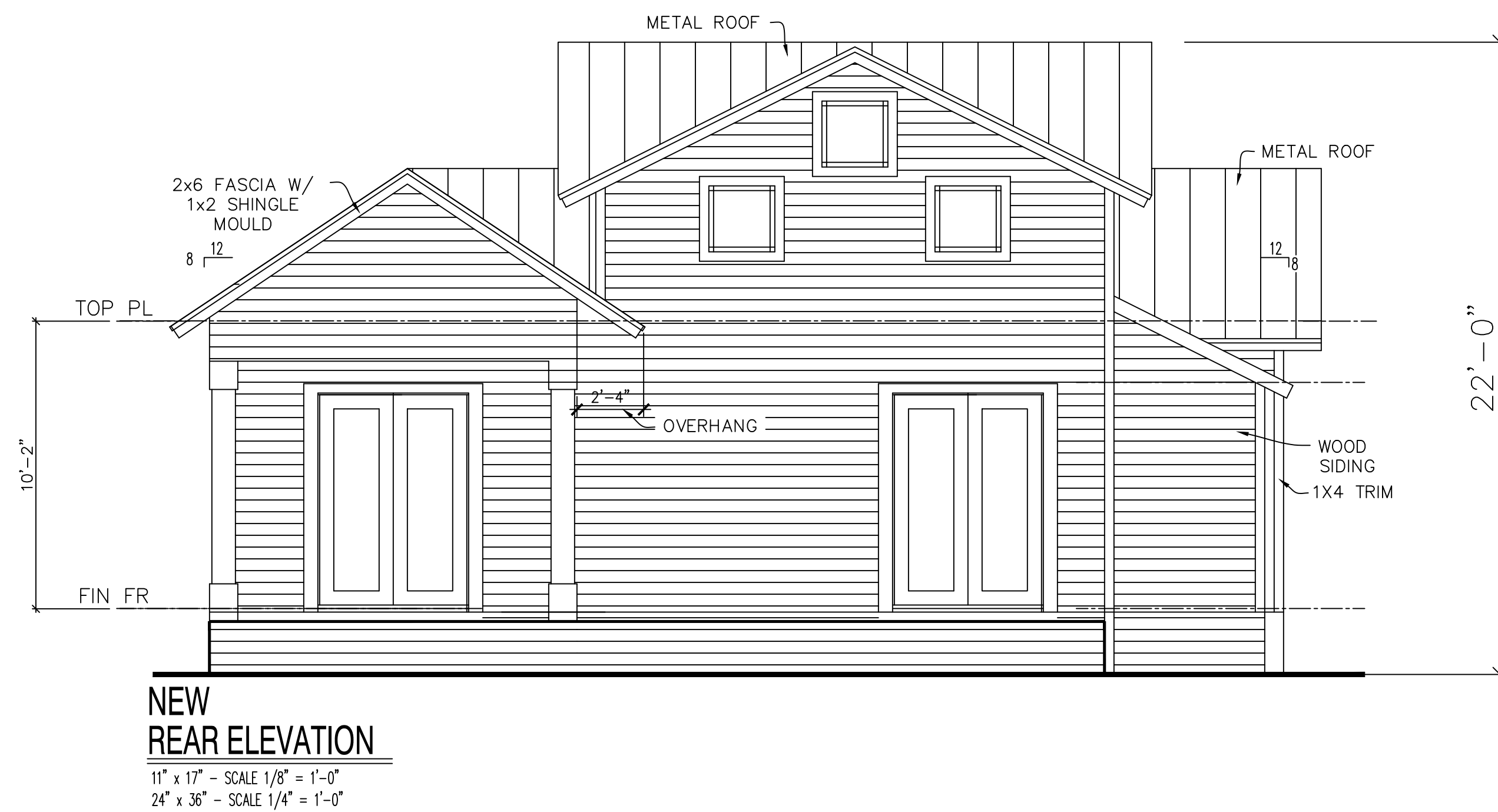
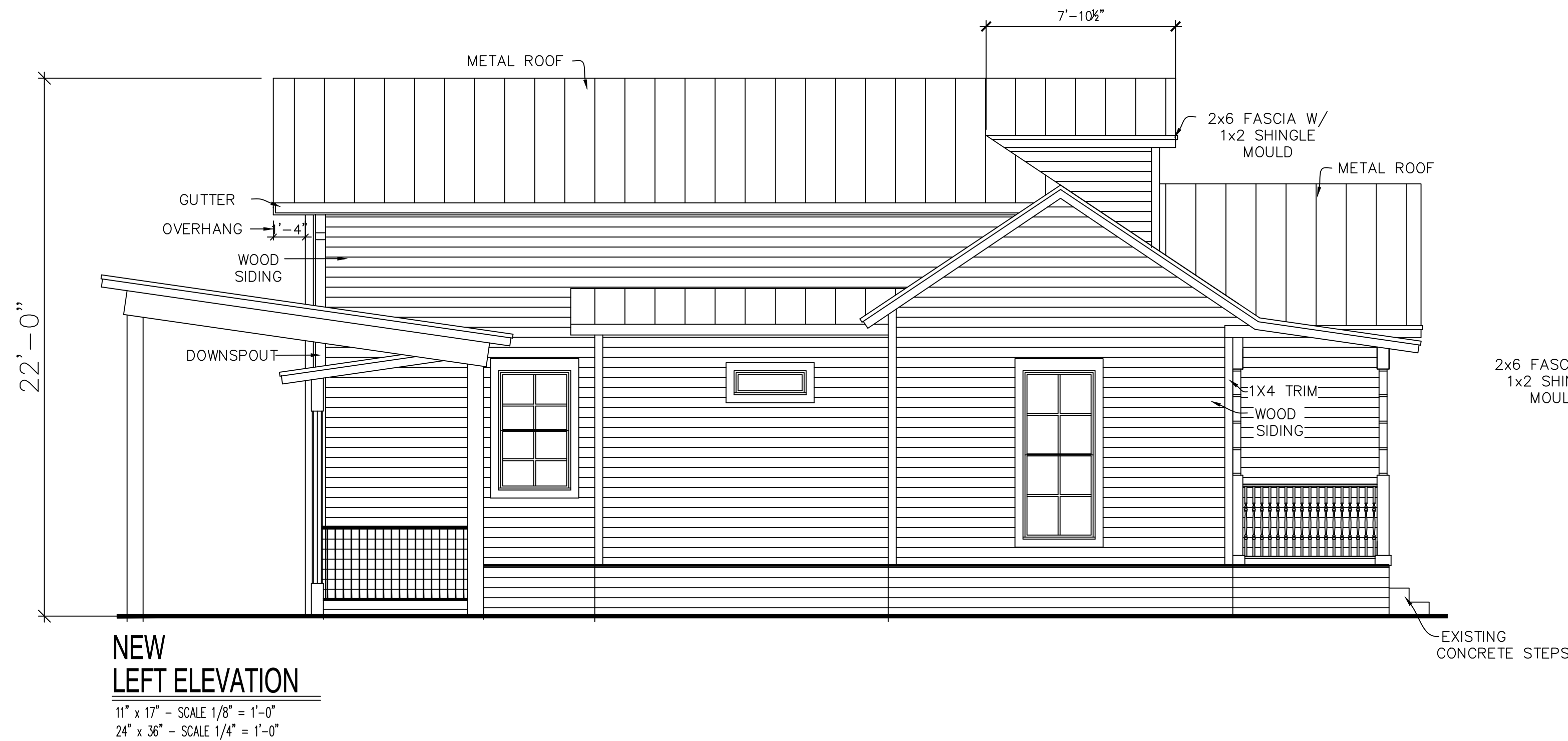
**MENDIOLA'S RESIDENCE**  
**120 CALLAGHAN AVE**  
**SAN ANTONIO, TX**

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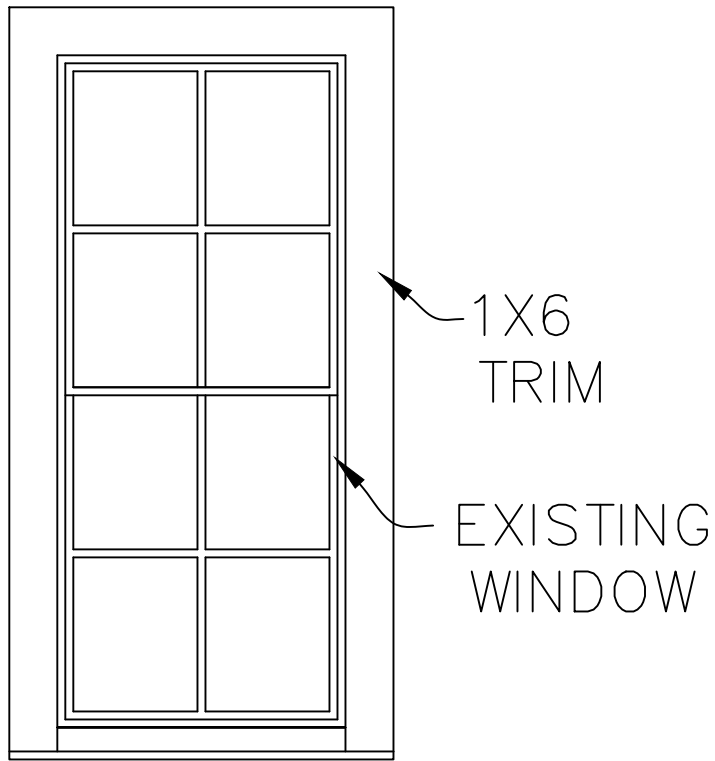
**EXTERIOR**  
**ELEVATION**

**SHEET**

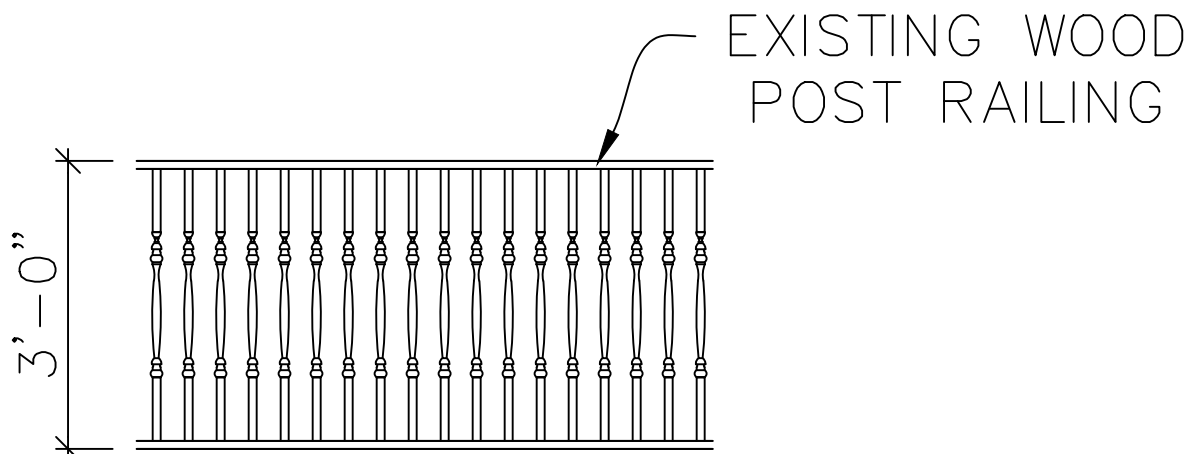
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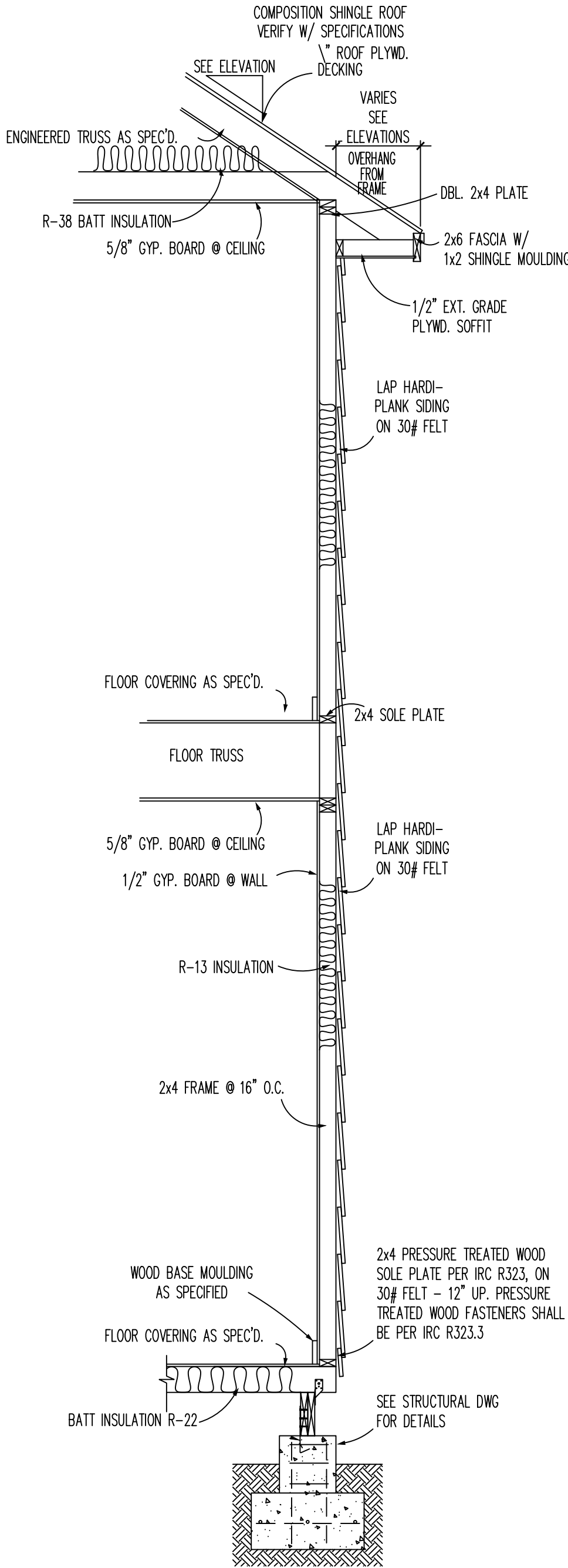




WINDOW SILL DETAIL  
11" x 17" - SCALE 1/4" = 1'-0"  
24" x 36" - SCALE 1/2" = 1'-0"



WOOD RAILING ENLARGEMENT  
11" x 17" - SCALE 1/4" = 1'-0"  
24" x 36" - SCALE 1/2" = 1'-0"



TYP. TWO-STORY  
SIDING WALL SECTION

SCALE: 1/4" = 1'-0" FOR 11X17 SHEET  
SCALE: 1/2" = 1'-0" FOR 22X34 SHEET



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MENDIOLA'S RESIDENCE  
120 CALLAGHAN AVE  
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WALL SECTION  
WINDOW & WOOD  
RAILING  
ENLARGEMENT

SHEET

A-103



ELECTRICAL LEYEND

-  PENDANT LIGHT FIXTURE

 WALL MOUNTED LIGHT

 LIGHT FIXTURE

 QUAD RECEPTACLE

 FLOOR POWER PLUG

 OUTLET

 220 OUTLET

 INSTALLED AT COUNTER HEIGHT

 DUPLEX RECEPTACLE / GROUND FAULT INTERRUPTING

 SWITCH

 3 WAY SWITCH

 LIGHT / VENT / HEAT
-  L/V/H

 LIGHT FIXTURE

 CURRENT LINE

 CEILING FAN

 TELEPHONE OUTLET IN WALL / 18" AFF UNLESS OTHERWISE NOTED

 W = WALL PHONE / MOUNT 54" AFF

 C = ABOVE COUNTERTOP

 CABLE TELEVISION / SATELLITE OUTLET

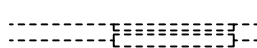
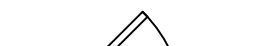
 FLOOR DATA PLUG

 FLOURESCENT LIGHT

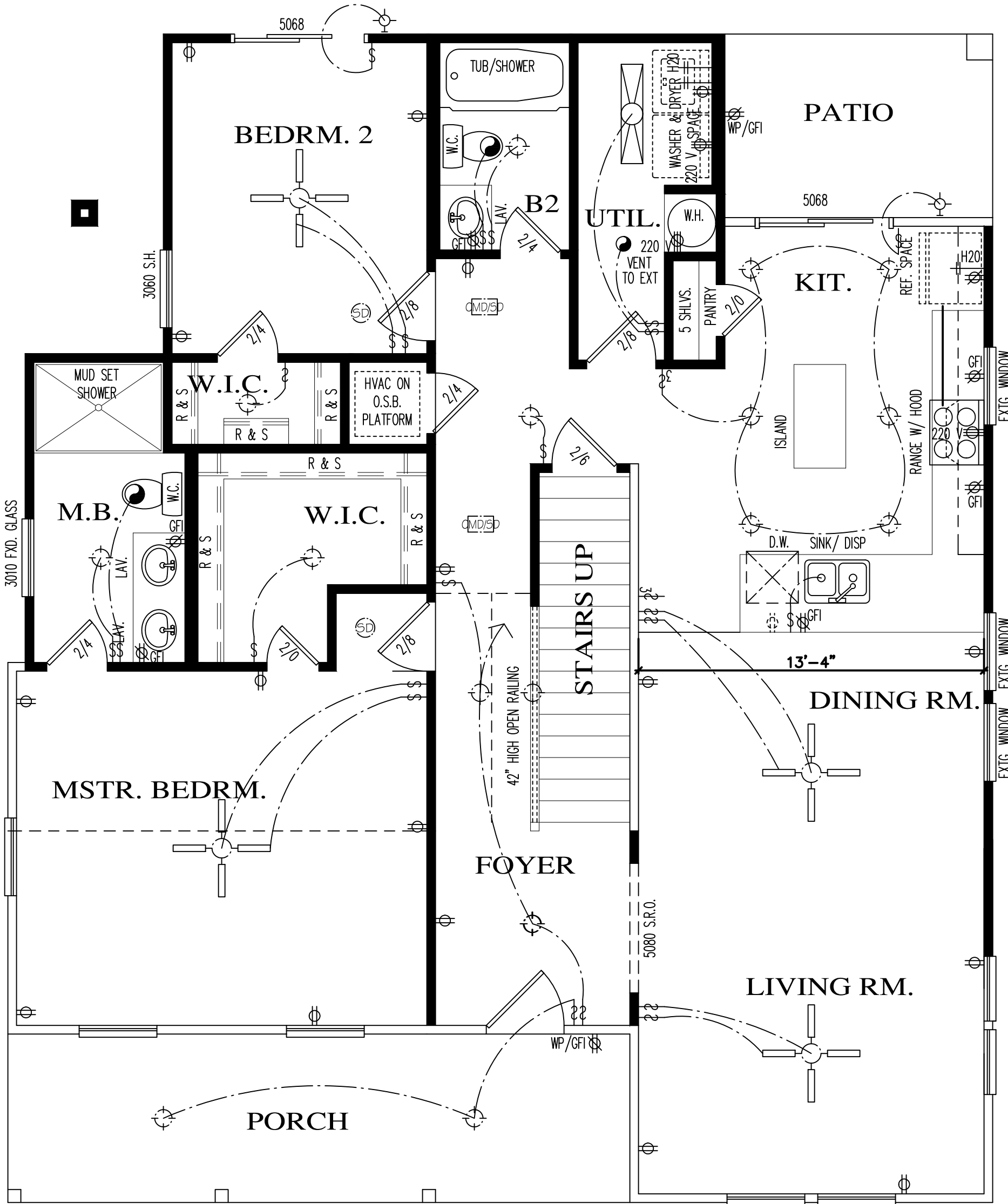
 2x2 FLOURESCENT LIGHT

 SMOKE DETECTOR

LEGEND

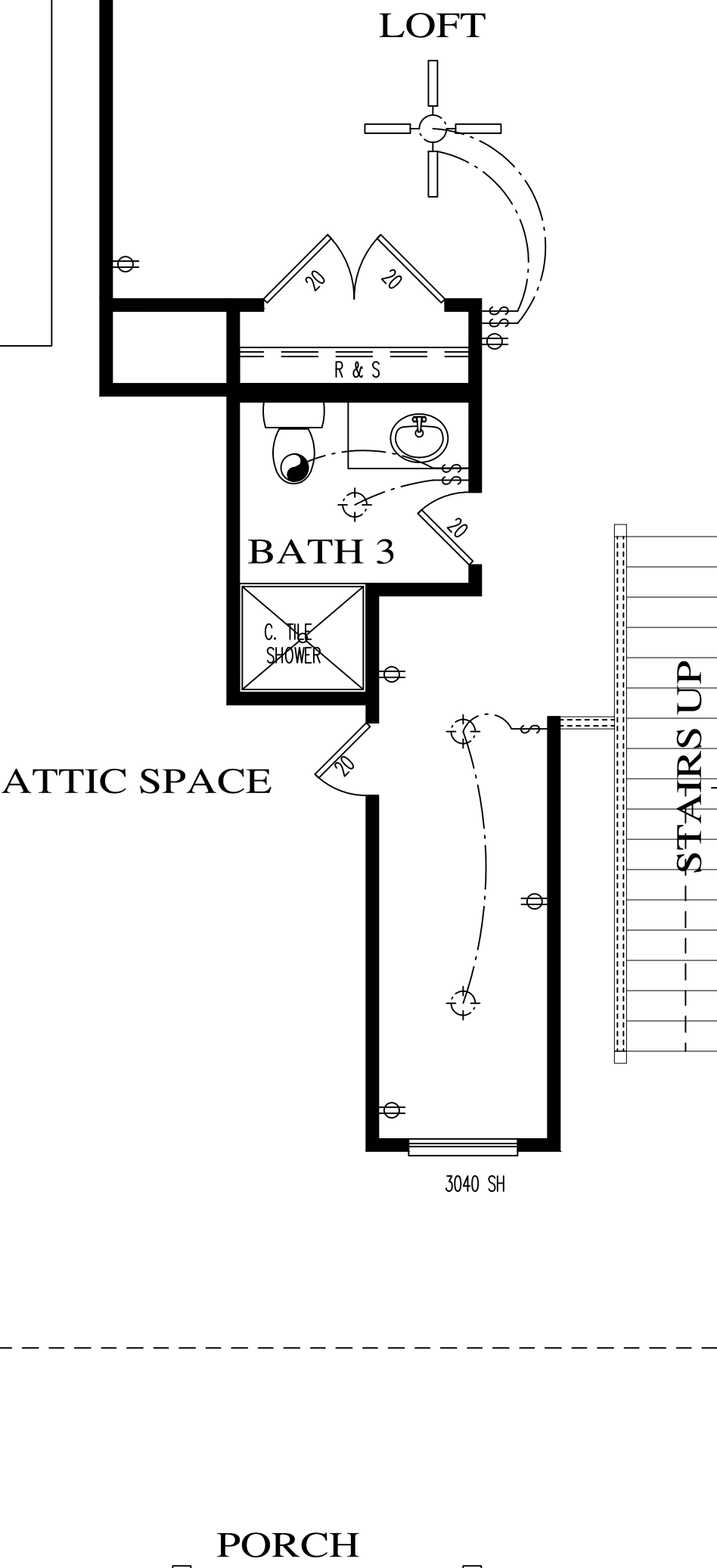
-  WALLS & WINDOWS TO BE REMOVED
-  WALLS & DOORS TO BE REMOVED
-  WALLS & DOORS TO REMAIN
-  WALLS & WINDOWS TO REMAIN
-  NEW WALLS & DOORS
-  NEW WALLS & WINDOWS

EXISTING CARPORT



1ST LEVEL FLOOR PLAN

11" x 17" - SCALE 1/8" = 1'-0"  
24" x 36" - SCALE 1/4" = 1'-0"



LOFT FLOOR PLAN

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FLOOR PLAN  
- LIGHTING  
& POWER

SHEET

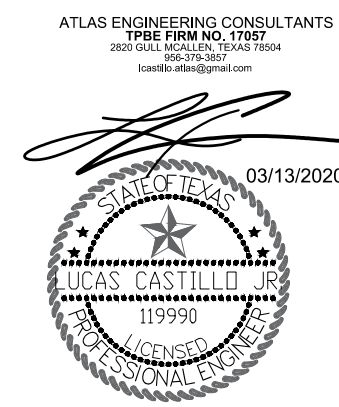
E-101





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## NOTES



# MENDIOLA'S RESIDENCE

## 120 CALLAGHAN AVE

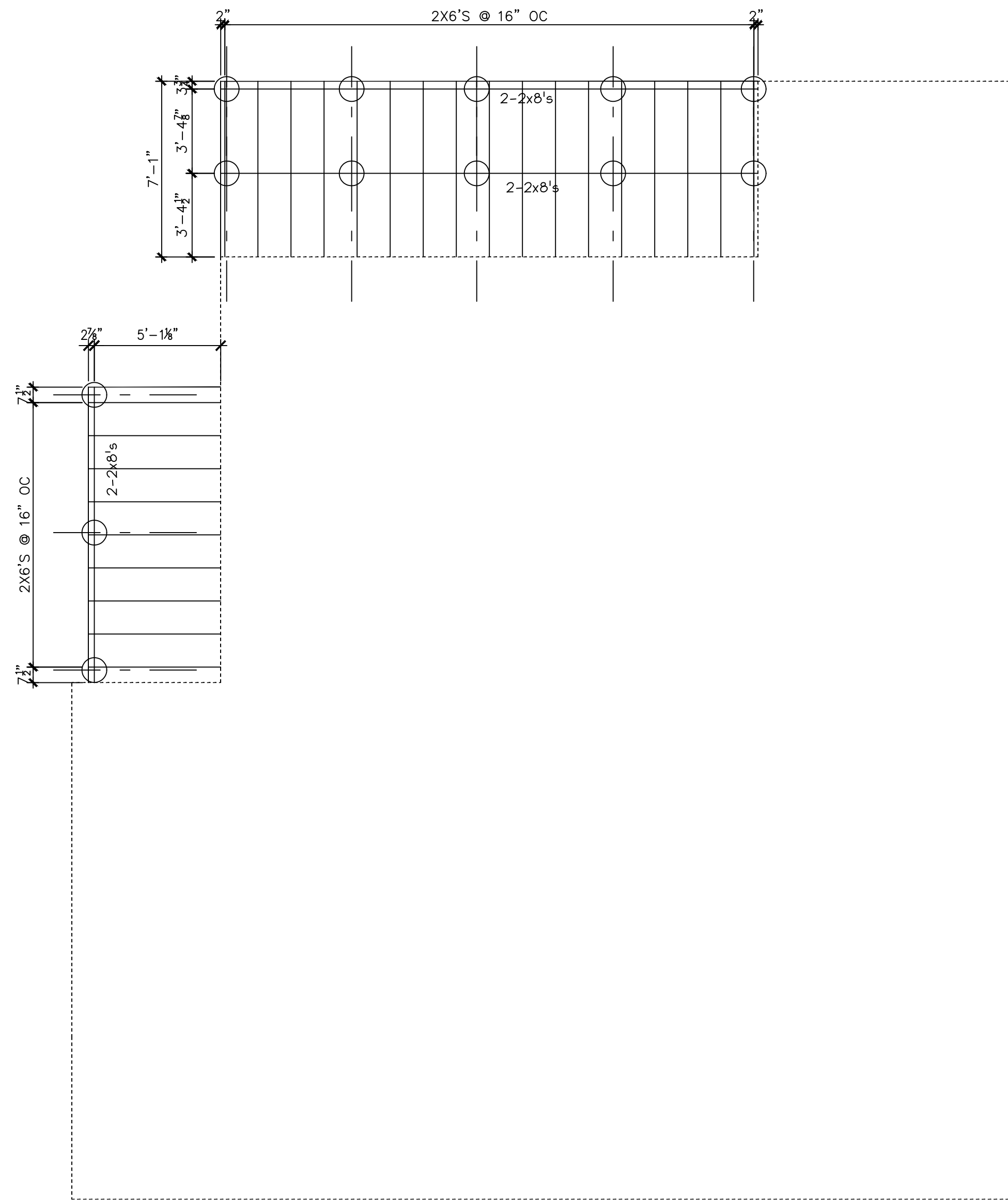
### SAN ANTONIO, TX

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000  
03/13/20

## FLOOR FRAMING PLAN

## SHEET

S-101

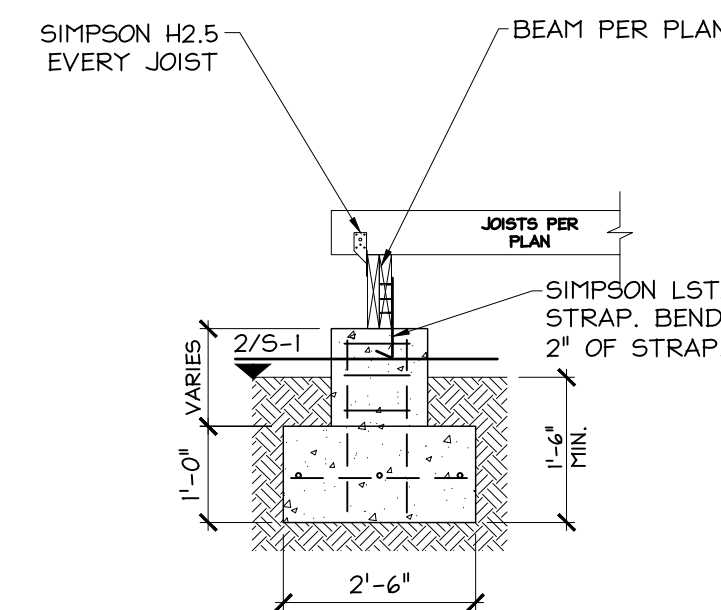


### FLOOR FRAMING PLAN

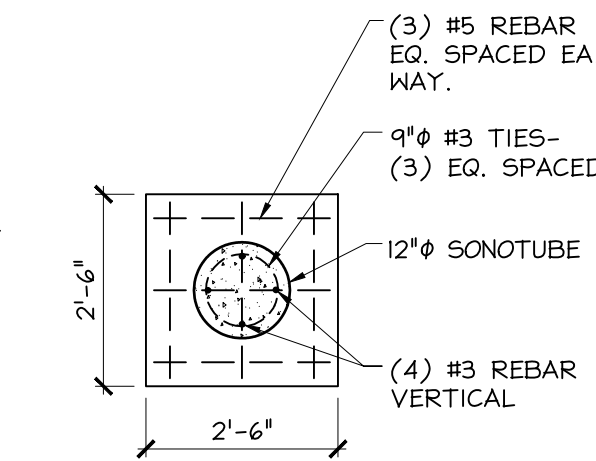
11' x 17' - SCALE 1/8" = 1'-0"  
24' x 36' - SCALE 1/4" = 1'-0"

#### NOTE:

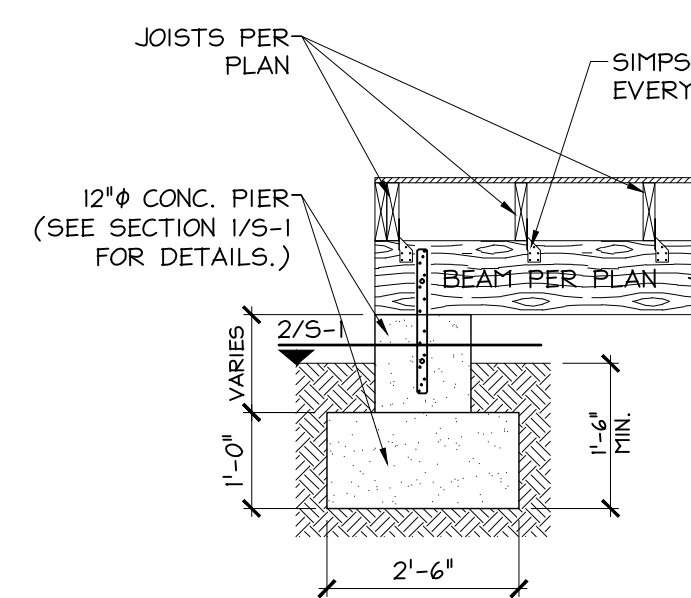
1. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL PLANS.
2. BUILDER TO ESTABLISH FINISHED FLOOR ELEVATION.
3. THIS IS A CONCRETE PIER AND WOOD BEAM FOUNDATION. ALL PIERS ARE 12" DIAMETER BEARING ON A CONCRETE PAD.
4. CONCRETE- 3000 PSI AT 28 DAYS
5. STEEL REINFORCEMENT- GRADE 60



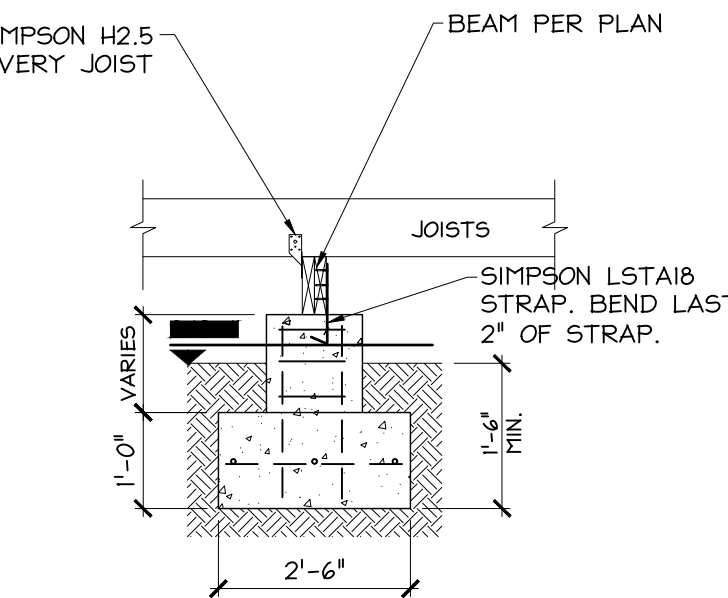
1 SECTION N.T.S.  
PIER & BEAM DETAIL



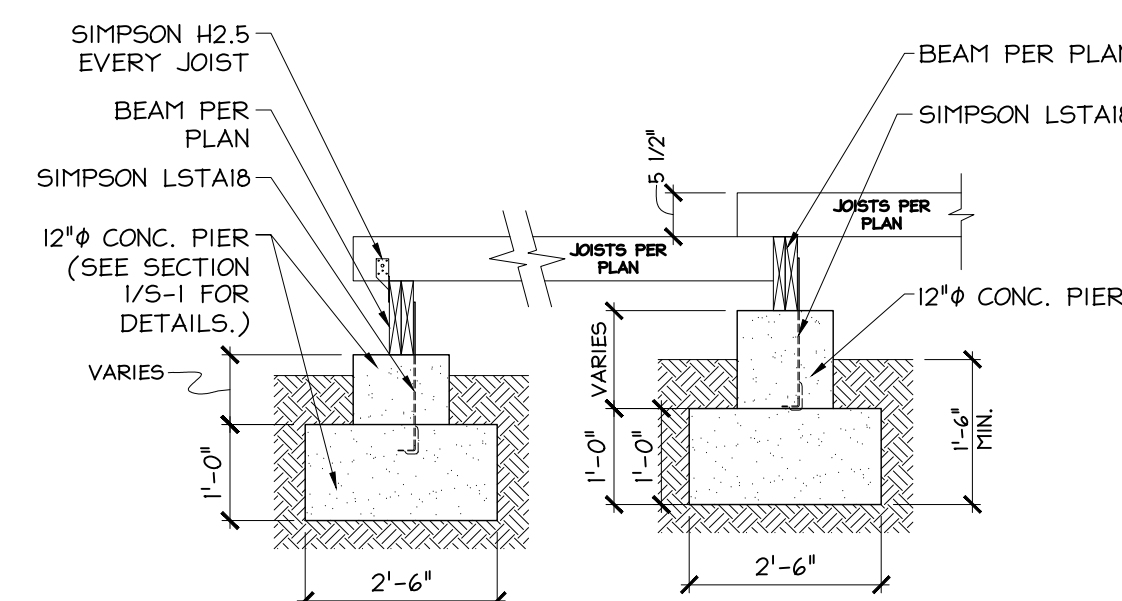
2 SECTION N.T.S.  
SECTION THRU PIER



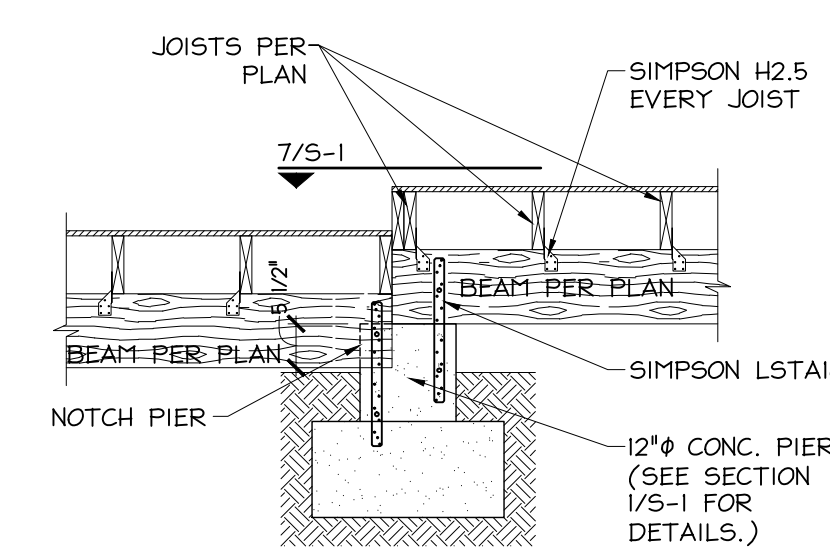
3 SECTION N.T.S.  
PIER & BEAM DETAIL



4 SECTION N.T.S.  
PIER & BEAM DETAIL



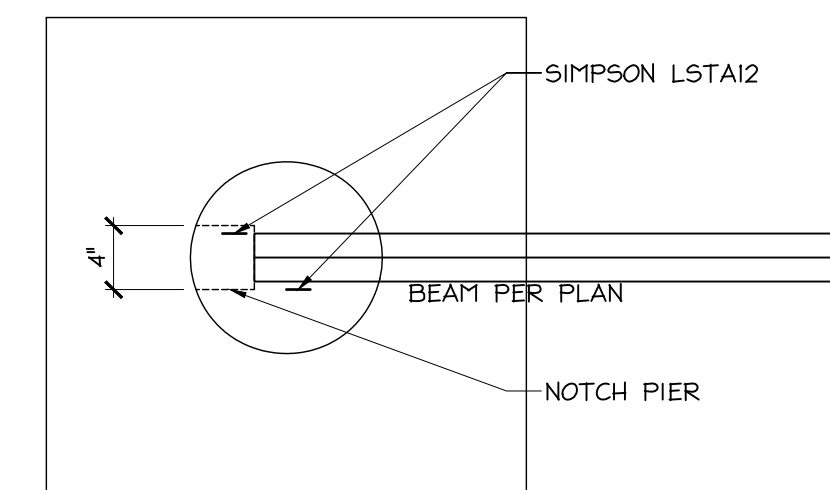
5 SECTION N.T.S.  
SECTION THRU FRONT PORCH



6 SECTION N.T.S.  
PIER & BEAM DETAIL

### PIER FLOOR PLAN

11' x 17' - SCALE 1/8" = 1'-0"  
24' x 36' - SCALE 1/4" = 1'-0"



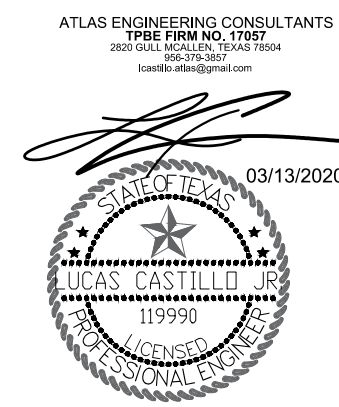
7 SECTION N.T.S.  
PIER & BEAM DETAIL





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## NOTES



# MENDIOLA'S RESIDENCE

## 120 CALLAGHAN AVE

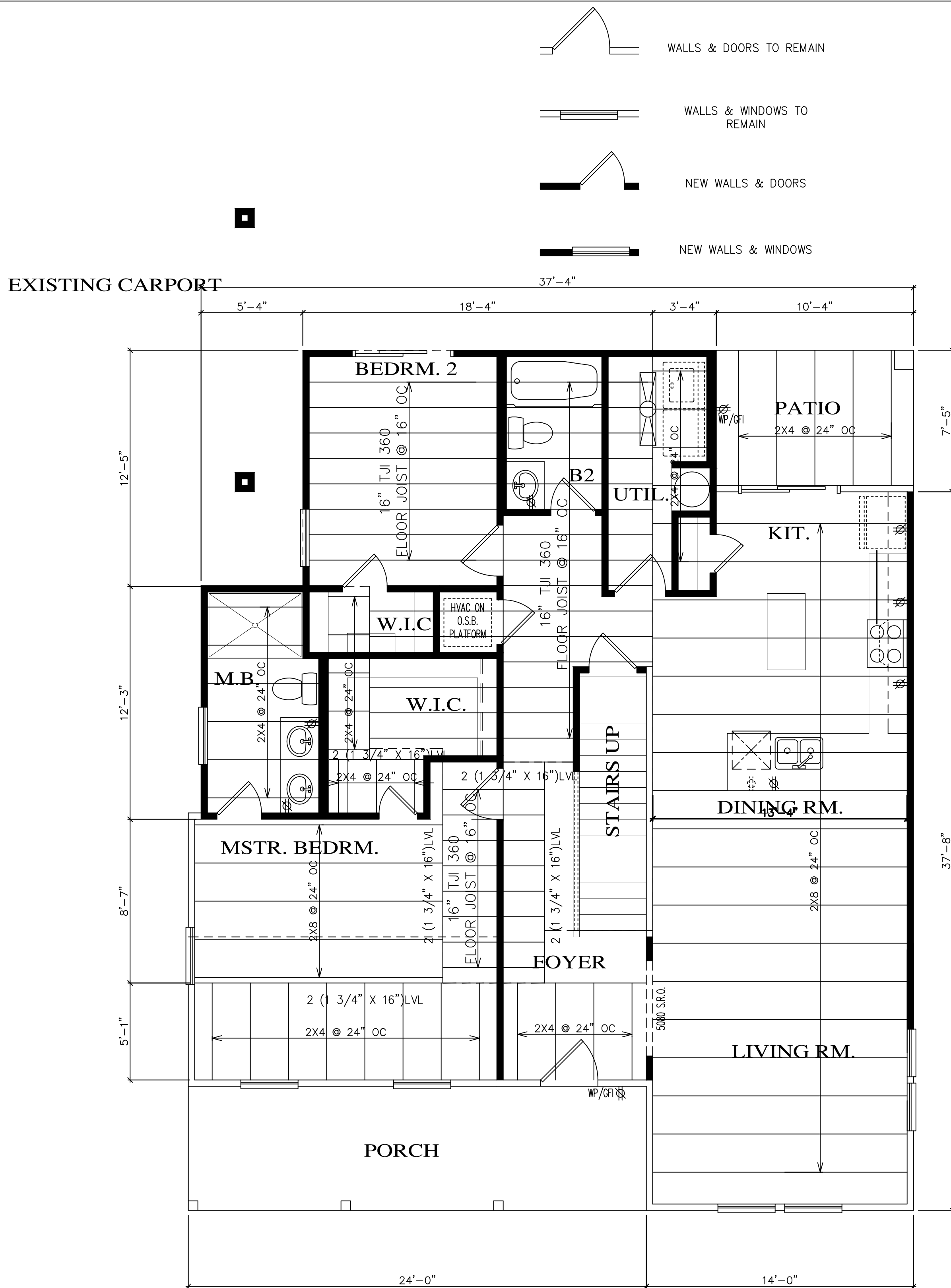
## SAN ANTONIO, TX

PLAN NO.  
000  
03/13/20

1ST FLOOR  
CEILING  
FRAMING  
PLAN

SHEET

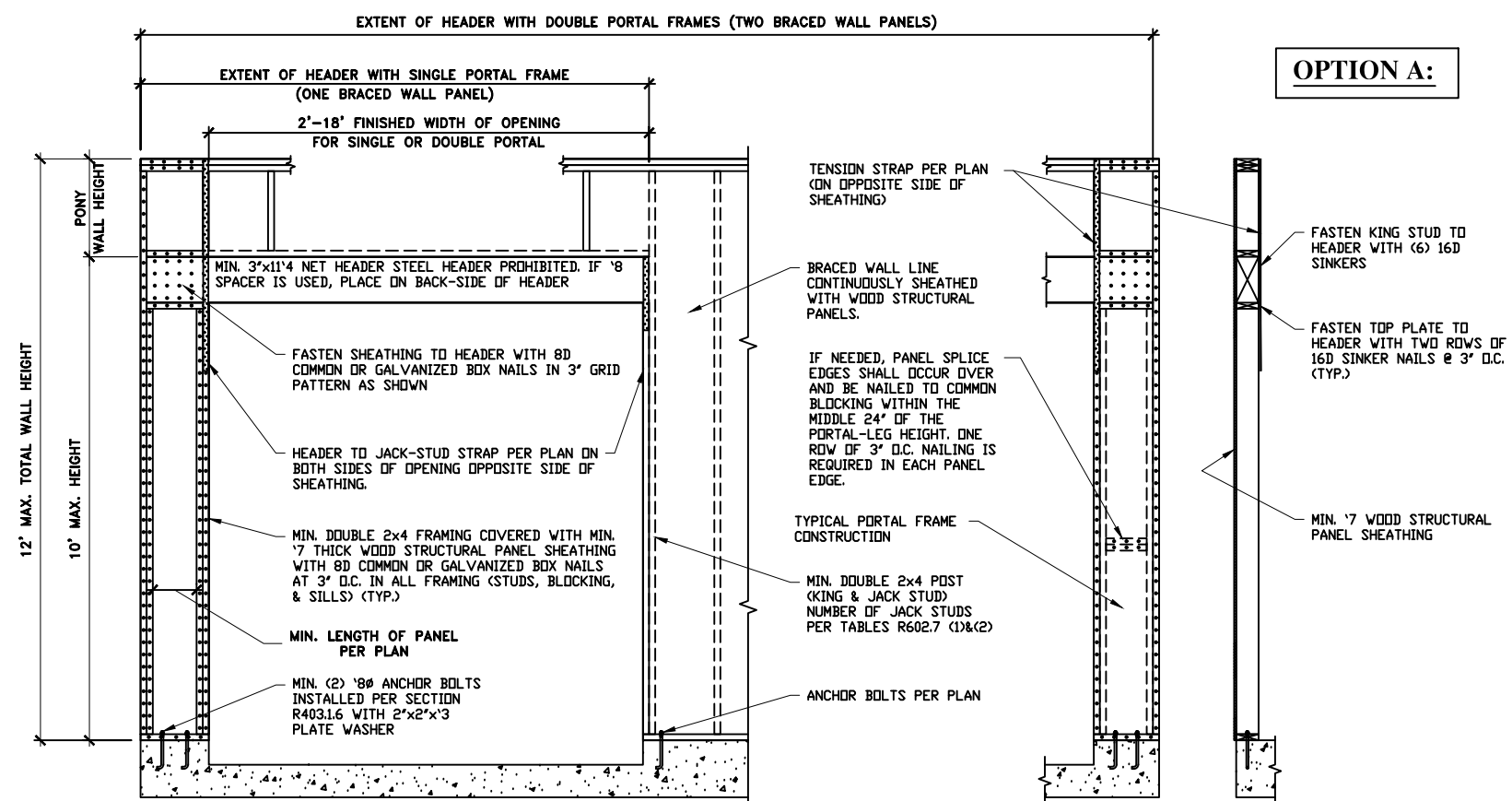
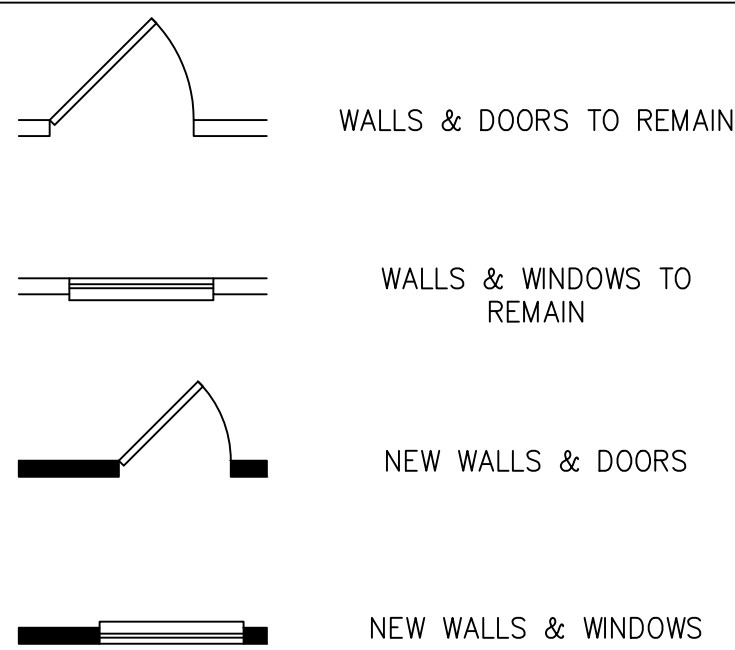
S-102



### REMODEL

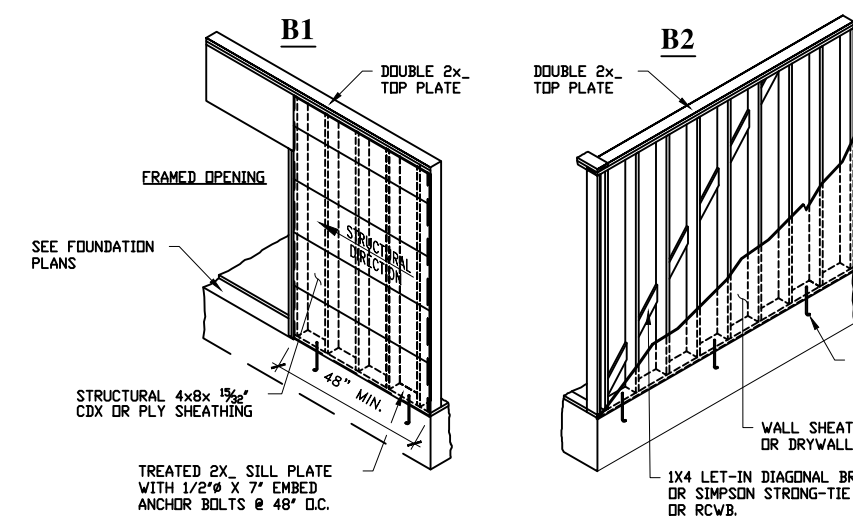
#### 1ST FLOOR CEILING JOIST FRAMING

11" x 17" - SCALE 1/8" = 1'-0"  
24" x 36" - SCALE 1/4" = 1'-0"



#### METHOD CS-PF CONTINUOUSLY SHEATHED SINGLE & DOUBLE PORTAL FRAME CONSTRUCTION AS PER THE 2015 IRC

#### OPTION B:



#### TYPICAL BRACING FOR CONVENTIONAL RESIDENTIAL CONSTRUCTION

#### OPTION D:

| IRC 2015 - TABLE R602.3(3)                                                          |              |            |               |                    |                 |               |                        |     |     |
|-------------------------------------------------------------------------------------|--------------|------------|---------------|--------------------|-----------------|---------------|------------------------|-----|-----|
| REQUIREMENTS FOR WOOD STRUCTURAL PANEL WALL SHEATHING USED TO RESIST WIND PRESSURES |              |            |               |                    |                 |               |                        |     |     |
| MINIMUM NAIL                                                                        | MINIMUM WOOD | MINIMUM    | MAX.          | PANEL NAIL SPACING | ULTIMATE DESIGN |               |                        |     |     |
| SIZE                                                                                | PENETRATION  | STRUCTURAL | NOMINAL PANEL | WALL STUD          | EDGES           | FIELD         | WIND EXPOSURE CATEGORY |     |     |
| (INCHES)                                                                            | (INCHES)     | (INCHES)   | (INCHES)      | (INCHES)           | (INCHES O.C.)   | (INCHES O.C.) | B                      | C   | D   |
| 6d COMMON (2.0 x 0.1137)                                                            | 1.5          | 24/8       | 3/8           | 16                 | 6               | 12            | 140                    | 115 | 110 |
| 6d COMMON (2.0 x 0.1137)                                                            | 1.75         | 24/16      | 7/16          | 24                 | 6               | 12            | 140                    | 115 | 110 |

#### GENERAL WALL BRACING NOTES:

1. STUD SPACING SHALL NOT EXCEED 16" ON CENTERS. BRACING METHODS LIB, VSP, SFB, PBS, IRC (SEE SECTION R602.3.1).

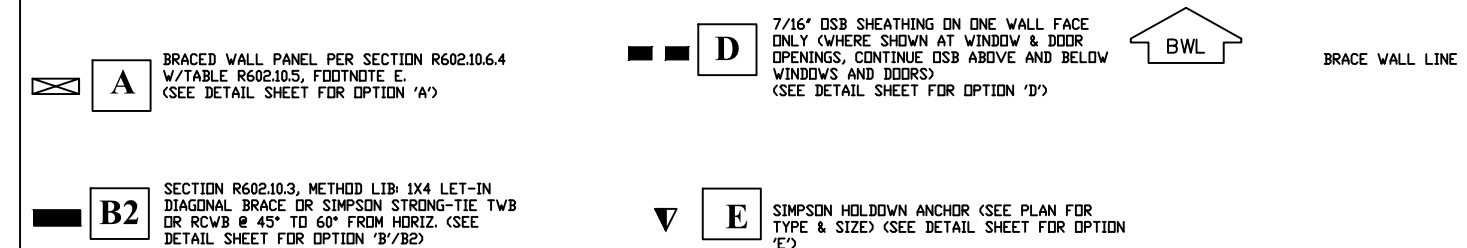
2. NOMINAL 1"x4" CONTINUOUS DIAGONAL WOOD BRACE, LET IN FLATWISE INTO TOP AND BOTTOM (CELL) PLATES AND INTERVENING STUDS. IRC BRACE METHOD U, IRC (SEE SECTION R602.3.1).

3. WOOD STRUCTURAL PANELS OR STRUCTURAL FIBER BOARD OR PARTICULATE BOARD SHEATHING, Laid UP WITH 4dS SHEET LONG AND APPLIED HORIZONTALLY. IRC BRACING METHODS VSP, SFB, PBS.

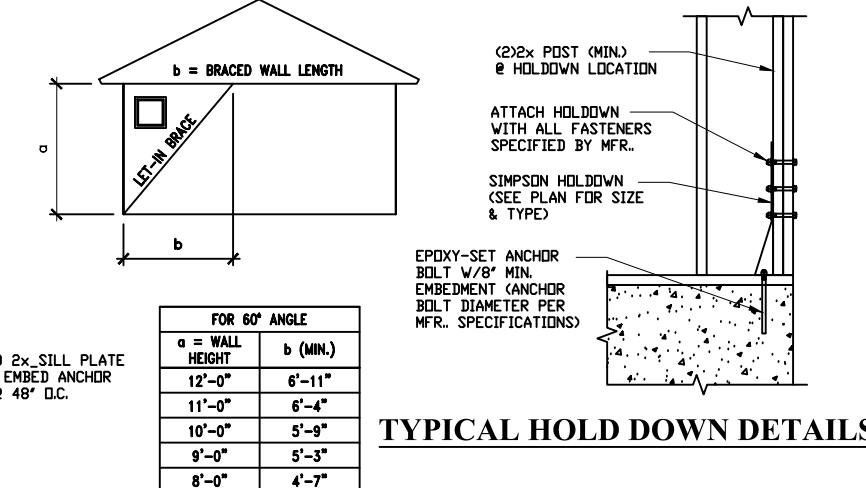
4. STEEL BRACING, LET-IN KEUF BRACES BY SIMPSON STRONG-TIE, RCWB OR TVB FOR 16" ON CENTER STUD SPACING. WALL BRACING IN ACCORDANCE WITH IRC (SEE R602.3.1), ALTERNATE METHODS PER IRC (SEE REPORT NER442, AND IRC (SEE REPORT ESR769).

5. NAILING FOR PLATED STEEL BRACING, FIBER BOARD OR PARTICULATE BOARD SHEATHING SHALL BE IN ACCORDANCE WITH IRC (SEE SECTION R602.3.1). TABLE R602.3(3) NAIL SPACING SHALL NOT EXCEED 6" ON CENTER AT EDGES, AND 12" ON CENTER AT INTERMEDIATE SUPPORTS.

#### WALL BRACING LEGEND:



#### OPTION E:



#### TYPICAL HOLD DOWN DETAILS

TABLE R602.10.5

| LENGTH REQUIREMENTS FOR BRACED WALL PANELS WITH CONTINUOUS SHEATHING (INCHES) |                                        | WEIGHT HEIGHT (FEET) |    |    |    |    |
|-------------------------------------------------------------------------------|----------------------------------------|----------------------|----|----|----|----|
| METHOD                                                                        | ADJACENT CLEAR OPENING HEIGHT (INCHES) | 8                    | 9  | 10 | 11 | 12 |
| CS-VSP                                                                        | 64                                     | 24                   | 27 | 30 | 33 | 36 |
|                                                                               | 68                                     | 26                   | 27 | 30 | 33 | 36 |
|                                                                               | 72                                     | 27                   | 27 | 30 | 33 | 36 |
|                                                                               | 76                                     | 30                   | 29 | 30 | 33 | 36 |
|                                                                               | 80                                     | 32                   | 30 | 30 | 33 | 36 |
|                                                                               | 84                                     | 35                   | 30 | 30 | 33 | 36 |
|                                                                               | 88                                     | 38                   | 25 | 33 | 33 | 36 |
|                                                                               | 92                                     | 43                   | 37 | 35 | 35 | 36 |
|                                                                               | 96                                     | 48                   | 41 | 38 | 36 | 36 |
|                                                                               | 100                                    | -                    | 44 | 41 | 38 | 36 |
|                                                                               | 104                                    | -                    | 49 | 43 | 40 | 39 |
|                                                                               | 108                                    | -                    | 54 | 46 | 43 | 41 |
| CS-PF                                                                         | 112                                    | -                    | -  | 50 | 45 | 43 |
|                                                                               | 116                                    | -                    | -  | 55 | 48 | 45 |
|                                                                               | 120                                    | -                    | -  | 60 | 52 | 48 |
|                                                                               | 124                                    | -                    | -  | -  | 56 | 51 |
| CS-H                                                                          | 128                                    | -                    | -  | -  | 60 | 54 |
|                                                                               | 144                                    | -                    | -  | -  | -  | 72 |
| CS-H                                                                          | 400                                    | 24                   | 27 | 30 | 33 | 36 |
|                                                                               | 400                                    | 16                   | 18 | 20 | 22 | 24 |

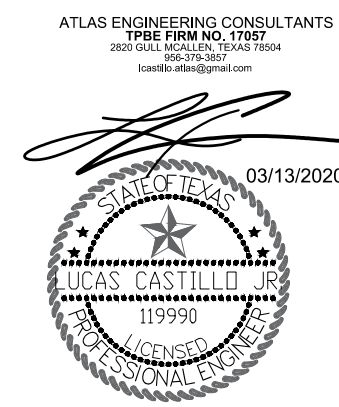
FOR 35 LBS/25.4mm, 1 foot/304.8mm  
a. INTERPOLATION SHALL BE PERMITTED.





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## NOTES



# MENDIOLA'S RESIDENCE

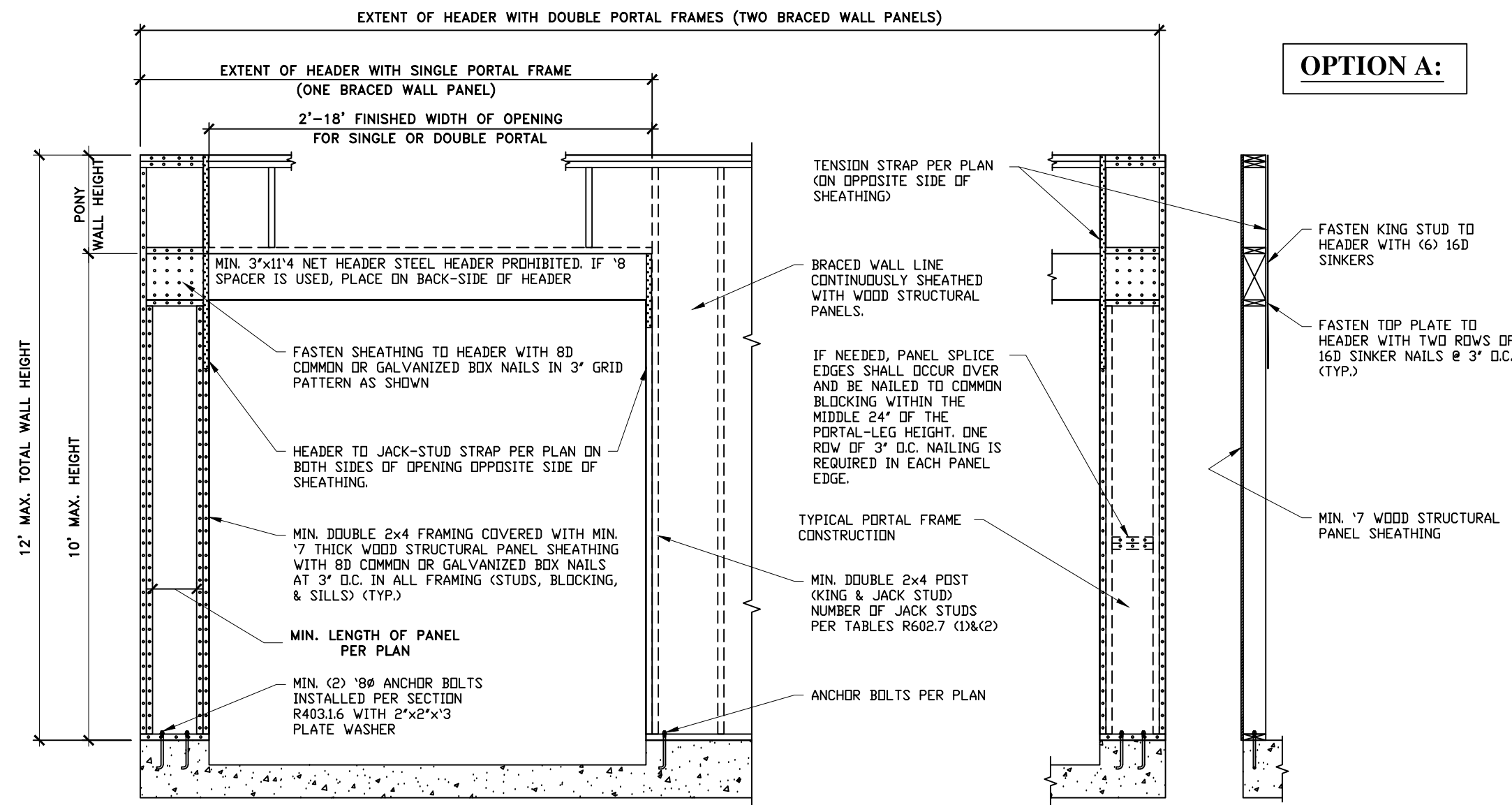
120 CALLAGHAN AVE  
SAN ANTONIO, TX

PLAN NO.  
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03/13/20

2ND LEVEL  
CEILING  
FRAMING  
PLAN

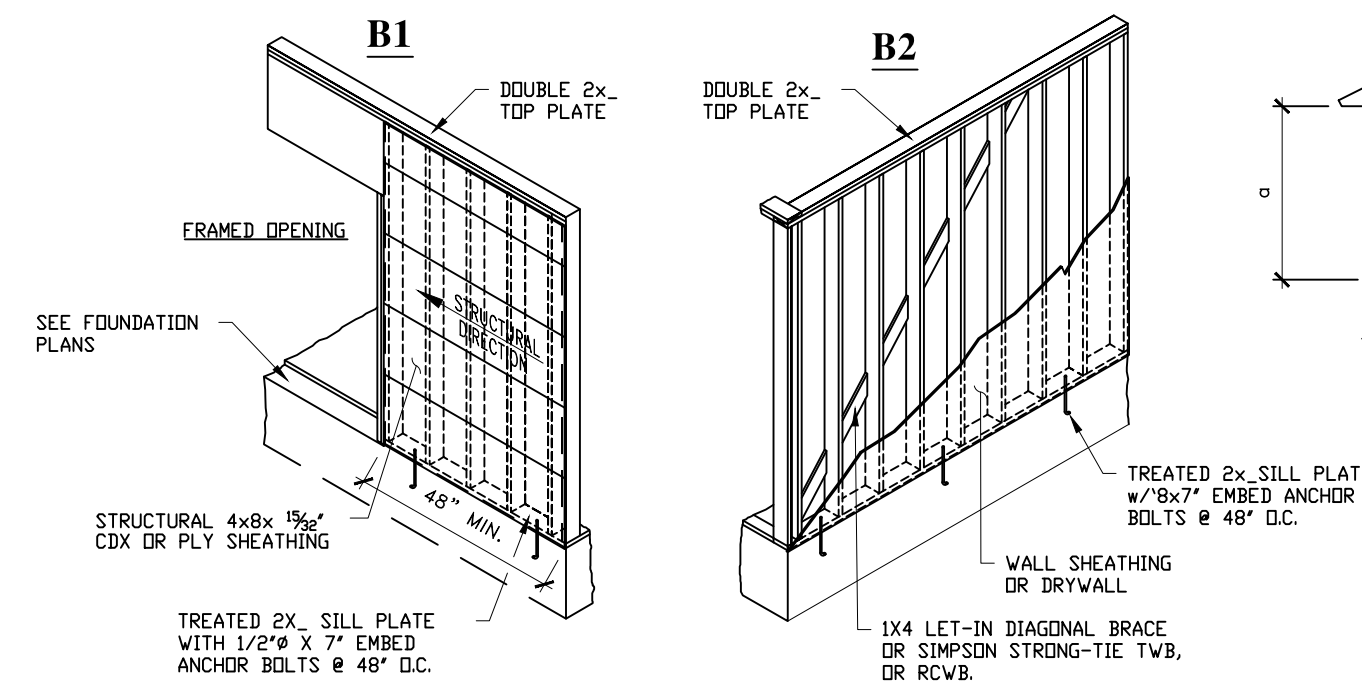
SHEET

S103



### METHOD CS-PF CONTINUOUSLY SHEATHED SINGLE & DOUBLE PORTAL FRAME CONSTRUCTION AS PER THE 2015 IRC

#### OPTION B:



#### TYPICAL BRACING FOR CONVENTIONAL RESIDENTIAL CONSTRUCTION

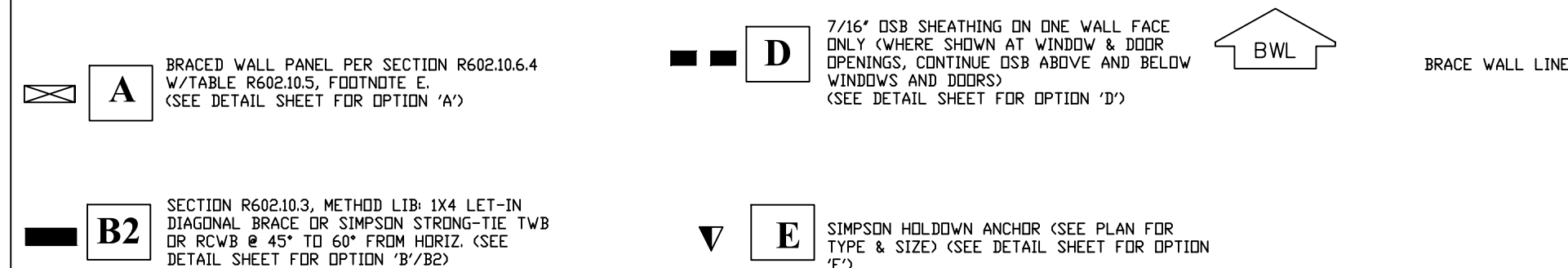
#### OPTION D:

| IRC 2015 - TABLE R602.3(3)                                                          |              |               |                    |                    |                 |                         |
|-------------------------------------------------------------------------------------|--------------|---------------|--------------------|--------------------|-----------------|-------------------------|
| REQUIREMENTS FOR WOOD STRUCTURAL PANEL WALL SHEATHING USED TO RESIST WIND PRESSURES |              |               |                    |                    |                 |                         |
| MINIMUM NAIL                                                                        | MINIMUM WOOD | MINIMUM       | MAX.               | PANEL NAIL SPACING | ULTIMATE DESIGN |                         |
| SIZE                                                                                | PENETRATION  | NOMINAL PANEL | WALL STUD          | EDGES              | FIELD           | WIND EXPOSURE CATEGORY  |
| (INCHES)                                                                            | (INCHES)     | PANEL SPAN    | (INCHES)           | (INCHES O.C.)      | (INCHES O.C.)   |                         |
|                                                                                     |              | RATING        | THICKNESS (INCHES) |                    |                 | B C D                   |
| 6d COMMON (2.0 x 0.113")                                                            | 1.5          | 24/0          | 3/8                | 16                 | 6 12            | 140 115 110             |
| 8d COMMON (2.5 x 0.131")                                                            | 1.75         | 24/16         | 7/16               | 16 24              | 6 12            | 170 140 135 140 115 110 |

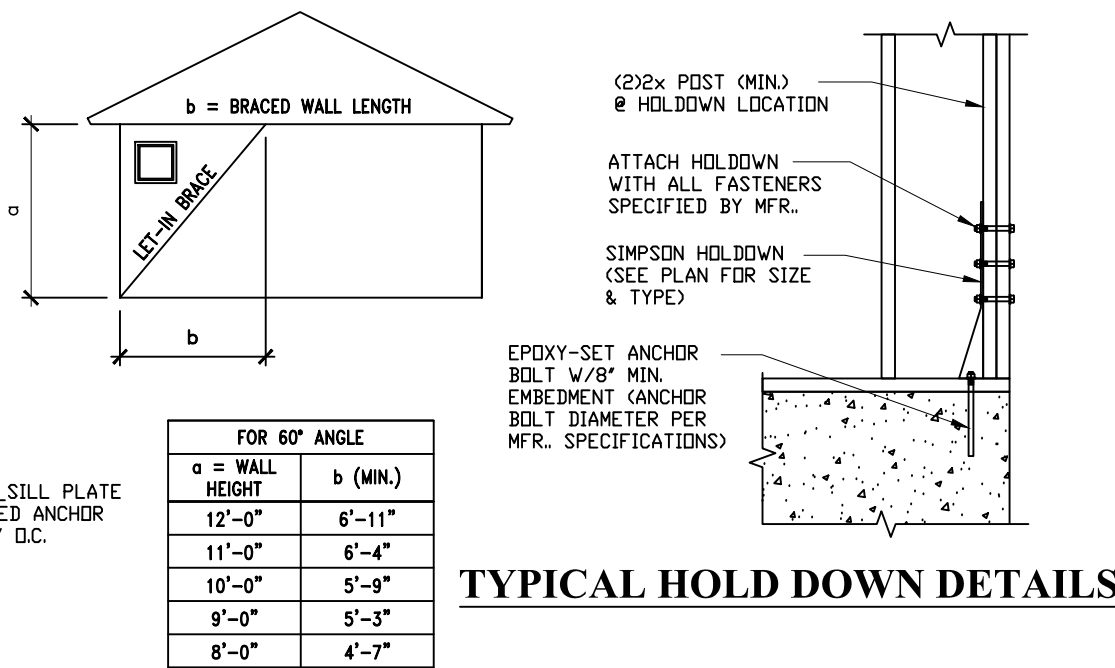
#### GENERAL WALL BRACING NOTES:

- STUD SPACING SHALL NOT EXCEED 16' ON CENTERS. BRACING METHODS L1B, WSP, SFB, PBS, IRC 2015 SECTION R602.10.3
- NOMINAL 1"x4" CONTINUOUS DIAGONAL WOOD BRACE, LET IN FLATWISE INTO TOP AND BOTTOM (SILL) PLATES AND INTERVENING STUDS. IRC BRACE METHOD L1, IRC 2015 SECTION R602.10.3
- WOOD STRUCTURAL PANELS OR STRUCTURAL FIBER BOARD, OR PARTICLE BOARD SHEATHING, LAID UP WITH 4x8 SHEET LONG AXIS APPLIED HORIZONTALLY. IRC BRACING METHODS WSP, SFB, & PBS, SECTION R602.10.3
- STEEL DIAGONAL LET-IN KERF BRACES BY SIMPSON STRONG-TIE, RCWB OR TWB FOR 16' ON CENTER STUD SPACING. WALL BRACING IN ACCORDANCE WITH IRC 2015 R602.10. ALTERNATE METHODS PER ICC NER REPORT NER422, AND ICC ER REPORT ER5709.
- NAILING FOR PLYWOOD, STRUCTURAL FIBER BOARD, AND PARTICLE BOARD SHEATHING SHALL BE IN ACCORDANCE WITH IRC SECTION R602.3, TABLE R602.3(3). NAIL SPACING SHALL NOT TO EXCEED 6" ON CENTER AT EDGES, AND 12" ON CENTER AT INTERMEDIATE SUPPORTS.

#### WALL BRACING LEGEND: REF. DETAIL SHEET

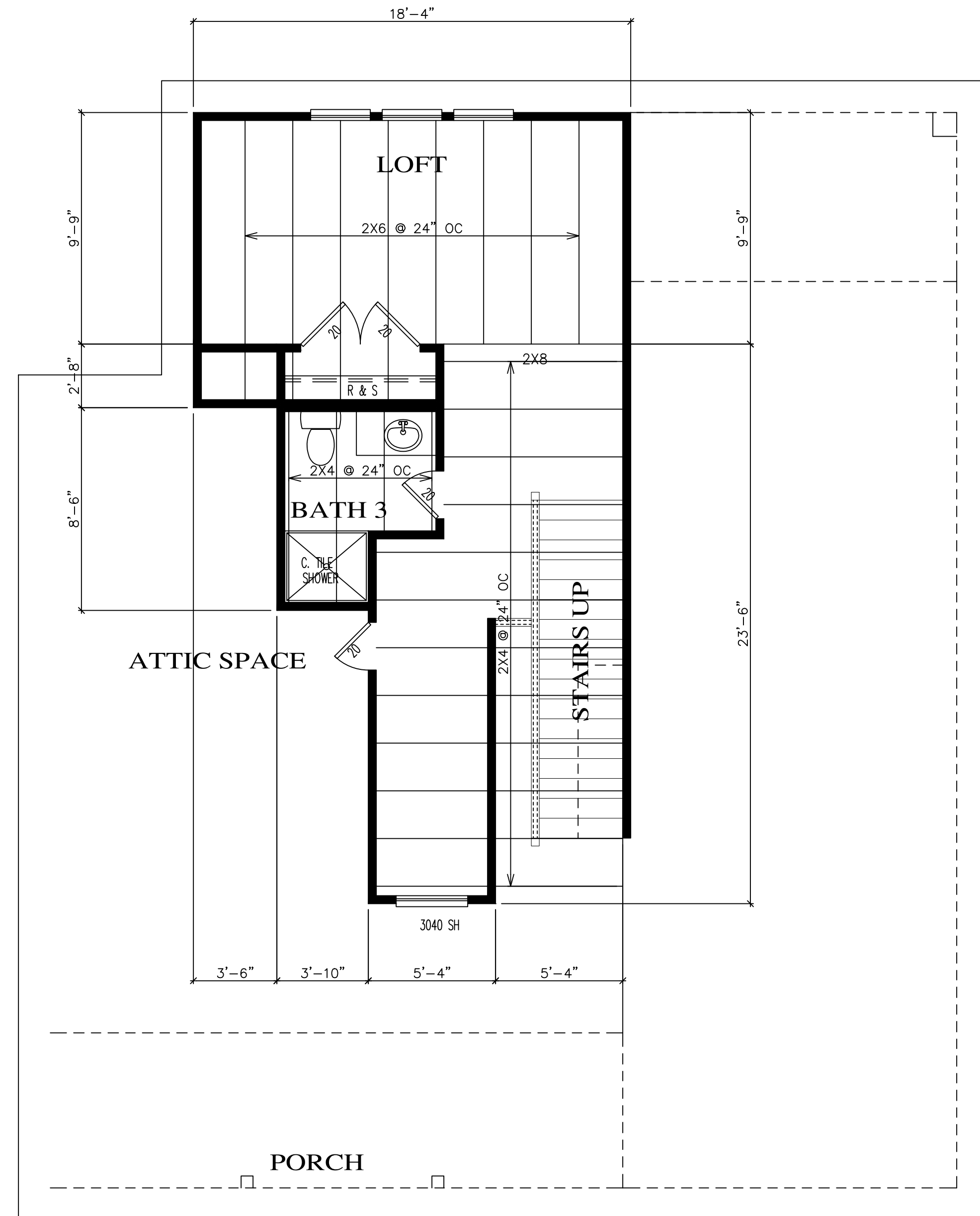


#### OPTION E:



| TABLE R602.10.5                                                               |                                        |                       |    |    |    |    |
|-------------------------------------------------------------------------------|----------------------------------------|-----------------------|----|----|----|----|
| LENGTH REQUIREMENTS FOR BRACED WALL PANELS WITH CONTINUOUS SHEATHING (INCHES) |                                        |                       |    |    |    |    |
| METHOD                                                                        | ADJACENT CLEAR OPENING HEIGHT (INCHES) | WEIGHT HEIGHT (FEET)* |    |    |    |    |
|                                                                               |                                        | 8                     | 9  | 10 | 11 | 12 |
| CS-WSP                                                                        | 64                                     | 24                    | 27 | 30 | 33 | 36 |
|                                                                               | 68                                     | 26                    | 27 | 30 | 33 | 36 |
|                                                                               | 72                                     | 27                    | 27 | 30 | 33 | 36 |
|                                                                               | 76                                     | 30                    | 29 | 30 | 33 | 36 |
|                                                                               | 80                                     | 32                    | 30 | 30 | 33 | 36 |
|                                                                               | 84                                     | 35                    | 32 | 32 | 33 | 36 |
|                                                                               | 88                                     | 38                    | 35 | 33 | 33 | 36 |
|                                                                               | 92                                     | 43                    | 37 | 35 | 35 | 36 |
|                                                                               | 96                                     | 48                    | 41 | 38 | 36 | 36 |
|                                                                               | 100                                    | -                     | 44 | 40 | 38 | 38 |
|                                                                               | 104                                    | -                     | 49 | 43 | 40 | 39 |
|                                                                               | 108                                    | -                     | 54 | 46 | 43 | 41 |
|                                                                               | 112                                    | -                     | -  | 50 | 45 | 43 |
|                                                                               | 116                                    | -                     | -  | 55 | 48 | 45 |
|                                                                               | 120                                    | -                     | -  | 60 | 52 | 48 |
|                                                                               | 124                                    | -                     | -  | -  | 56 | 51 |
|                                                                               | 132                                    | -                     | -  | -  | 66 | 58 |
|                                                                               | 144                                    | -                     | -  | -  | -  | 72 |
| CS-0                                                                          | ≤20                                    | 24                    | 27 | 30 | 33 | 36 |
| CS-PF                                                                         | ≤20                                    | 16                    | 18 | 20 | 22 | 24 |

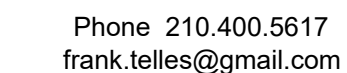
FOR S1: 1 inch=25.4mm, 1 Foot=304.8mm  
a. INTERPOLATION SHALL BE PERMITTED.



#### LOFT FLOOR PLAN

11" x 17" - SCALE 1/8" = 1'-0"  
24" x 36" - SCALE 1/4" = 1'-0"





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2829 GALT ROAD  
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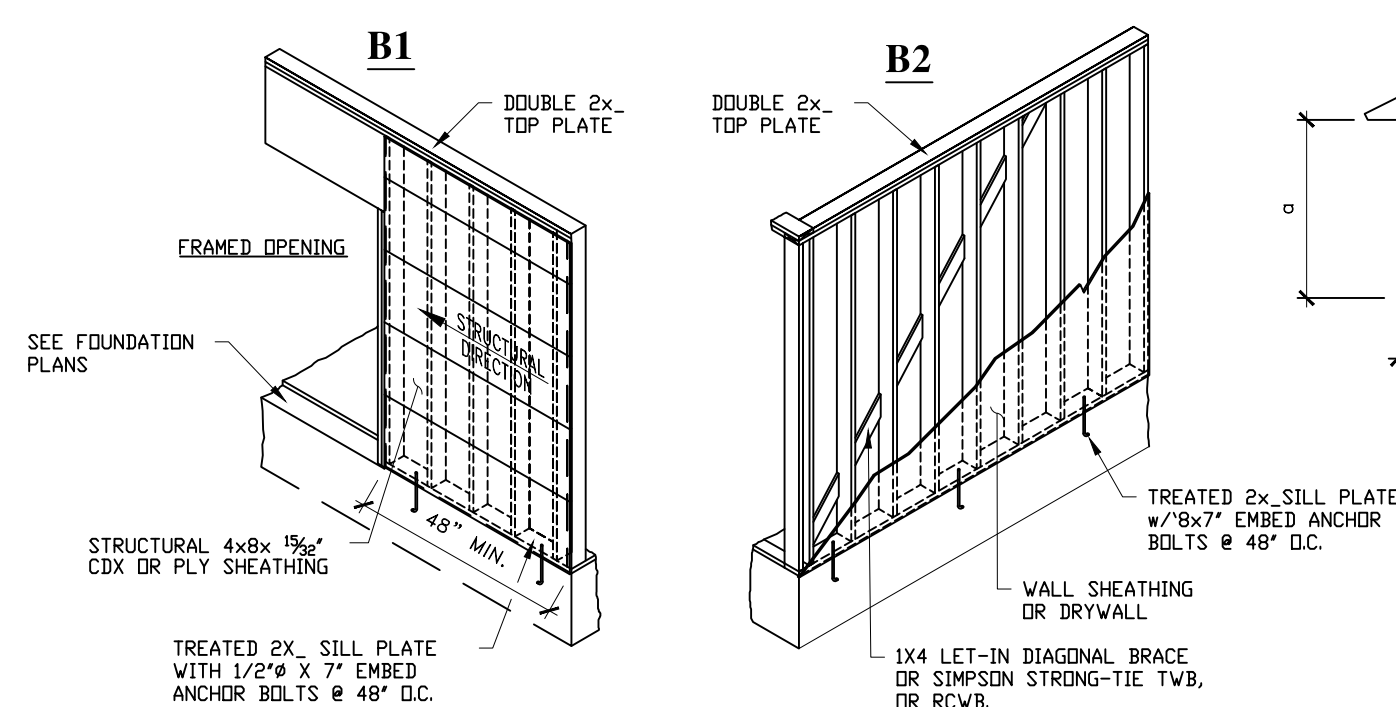


03/13/2020

**PLAN NO.**  
**000**  
**03/13/20**

**SHEET**

S-104



| FOR 60° ANGLE   |          |
|-----------------|----------|
| a = WALL HEIGHT | b (MIN.) |
| 12'-0"          | 6'-11"   |
| 11'-0"          | 6'-4"    |
| 10'-0"          | 5'-9"    |
| 9'-0"           | 5'-3"    |
| 8'-0"           | 4'-7"    |

(2)x2" POST (MIN.)  
Ø HOLD-DOWN LOCATION

ATTACH HOLD-DOWN WITH ALL FASTENERS SPECIFIED BY MFR.

SIMPSON HOLD-DOWN (SEE PLAN FOR SIZE & TYPE)

EPOXY-SET ANCHOR BOLT W/8" MIN. EMBEDMENT ANCHOR BOLT DIAMETER PER MFR. SPECIFICATIONS)

### TYPICAL HOLD DOWN DETAILS

| IRC 2015 - TABLE R602.3(3)                                                          |                                 |                                                    |                                                   |                                          |                                                                     |    |                                                               |     |     |
|-------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------|---------------------------------------------------|------------------------------------------|---------------------------------------------------------------------|----|---------------------------------------------------------------|-----|-----|
| REQUIREMENTS FOR WOOD STRUCTURAL PANEL WALL SHEATHING USED TO RESIST WIND PRESSURES |                                 |                                                    |                                                   |                                          |                                                                     |    |                                                               |     |     |
| MINIMUM NAIL<br>SIZE                                                                | MINIMUM PENETRATION<br>(INCHES) | MINIMUM WOOD<br>STRUCTURAL<br>PANEL SPAN<br>RATING | MINIMUM<br>NOMINAL PANEL<br>THICKNESS<br>(INCHES) | MAX.<br>WALL STUD<br>SPACING<br>(INCHES) | PANEL NAIL SPACING<br>(EDGES (INCHES O.C.),<br>FIELD (INCHES O.C.)) |    | ULTIMATE DESIGN<br>WIND SPEED (MPH)<br>WIND EXPOSURE CATEGORY |     |     |
|                                                                                     |                                 |                                                    |                                                   |                                          | B                                                                   | C  | D                                                             |     |     |
| 6d COMMON<br>(2.0 x 0.113")                                                         | 1.5                             | 24/0                                               | 3/8                                               | 16                                       | 6                                                                   | 12 | 140                                                           | 115 | 110 |
| 8d COMMON<br>(2.5 x 0.131")                                                         | 1.75                            | 24/16                                              | 7/16                                              | 16                                       | 6                                                                   | 12 | 170                                                           | 140 | 135 |
|                                                                                     |                                 |                                                    |                                                   | 24                                       | 6                                                                   | 12 | 140                                                           | 115 | 110 |

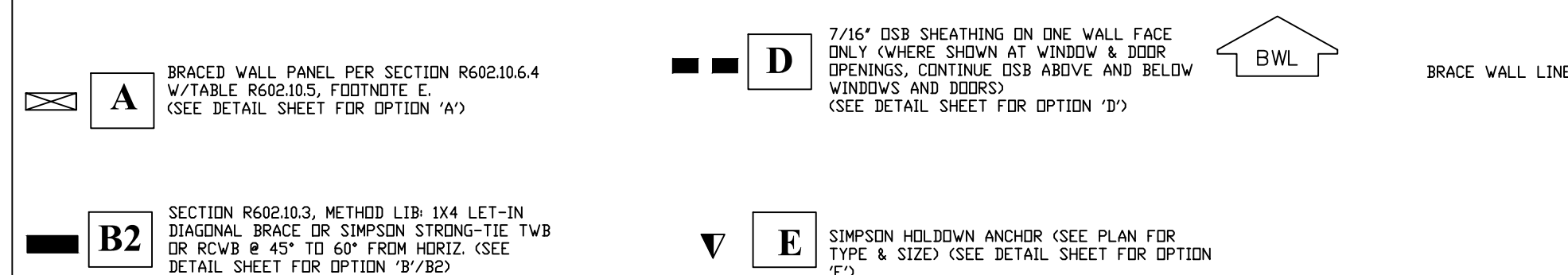
| METHOD | ADJACENT<br>CLEAR OPENING<br>HEIGHT (INCHES) | WEIGHT HEIGHT (FEET) <sup>a</sup> |    |    |    |    |
|--------|----------------------------------------------|-----------------------------------|----|----|----|----|
|        |                                              | 8                                 | 9  | 10 | 11 | 12 |
| CS-VSP | 64                                           | 24                                | 27 | 30 | 33 | 36 |
|        | 68                                           | 26                                | 27 | 30 | 33 | 36 |
|        | 72                                           | 27                                | 27 | 30 | 33 | 36 |
|        | 76                                           | 30                                | 29 | 30 | 33 | 36 |
|        | 80                                           | 32                                | 30 | 30 | 33 | 36 |
|        | 84                                           | 35                                | 32 | 32 | 33 | 36 |
|        | 88                                           | 38                                | 35 | 33 | 33 | 36 |
|        | 92                                           | 43                                | 37 | 35 | 35 | 36 |
|        | 96                                           | 48                                | 41 | 38 | 36 | 36 |
|        | 100                                          | -                                 | 44 | 40 | 38 | 38 |
|        | 104                                          | -                                 | 49 | 43 | 40 | 39 |
|        | 108                                          | -                                 | 54 | 46 | 43 | 41 |
|        | 112                                          | -                                 | -  | 50 | 45 | 43 |
|        | 116                                          | -                                 | -  | 55 | 48 | 45 |
|        | 120                                          | -                                 | -  | 60 | 52 | 48 |
| CS-PF  | 124                                          | -                                 | -  | -  | 56 | 51 |
|        | 132                                          | -                                 | -  | -  | 66 | 58 |
|        | 144                                          | -                                 | -  | -  | -  | 72 |
| CS-G   | ≤120                                         | 24                                | 27 | 30 | 33 | 36 |
| CS-PF  | ≤120                                         | 16                                | 18 | 20 | 22 | 24 |

FDR SI: 1 inch=25.4mm, 1 foot=304.8mm  
a. INTERPOLATION SHALL BE PERMITTED

GENERAL WALL BRACING NOTES:

- 3. STUD SPACING SHALL NOT EXCEED 16" DN CENTERS: BRACING METHODS LAD, WSP, SFB, PBS, IRC 2015 SECTION R602.10.3
- 4. NOMINAL 1"x4" CONTINUOUS DIAGONAL WOOD BRACE, LET IN FLATWISE INTO TOP AND BOTTOM (SILL) PLATES AND INTERVENING STUDS IRC BRACE METHOD 1, IRC 2015 SECTION R602.10.3
- 5. STUD SPACING SHALL EXCEED 16" DN CENTERS: BRACING METHODS LAD, WSP, SFB, PBS, IRC 2015 SECTION R602.10.3
- 6. STUD SPACING SHALL EXCEED 16" DN CENTERS: BRACING METHODS LAD, WSP, SFB, PBS, IRC 2015 SECTION R602.10.3
- 7. LET-IN KEYS BRACING BY SIMPSON STRONG-TIE: RCWB DR TWO FOR TWO 16" DN CENTER STUD SPACING; WALL BRACING IN ACCORDANCE WITH IRC 2015 R602.10, ALTERNATE METHODS PER ICC NER REPORT NER422, AND ICC ESR REPORT ESR5709.
- 8. NAILING FOR PLYWOOD, STRUCTURAL FIBER BOARD, AND PARTICLE BOARD SHEATHING SHALL BE IN ACCORDANCE WITH TABULAR REQUIREMENTS FOR SHEATHING IN STUD SPACING SHALL NOT EXCEED 6" DN CENTER AT EDGES, AND 12" DN CENTER AT INTERMEDIATE SUPPORTS.

**WALL BRACING LEGEND:**  
REF. DETAIL SHEET







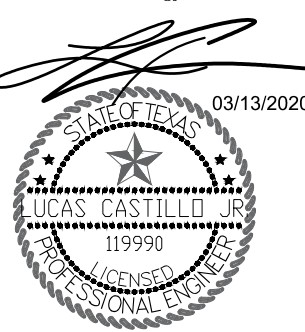




Phone 210.400.5617  
frank.telles@gmail.com

## NOTES

ATLAS ENGINEERING CONSULTANTS  
TYPE FIRM NO. 17897  
DATE: 03/13/2020  
115996



# MENDIOLA'S RESIDENCE

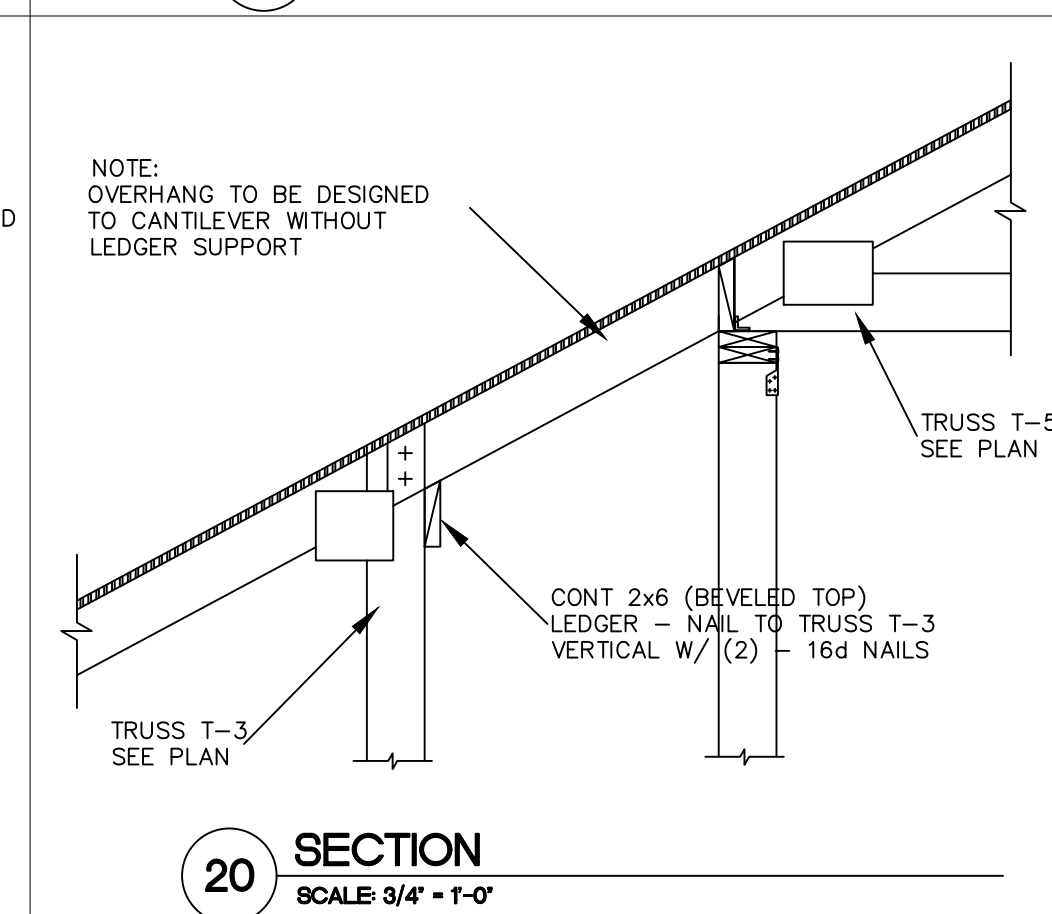
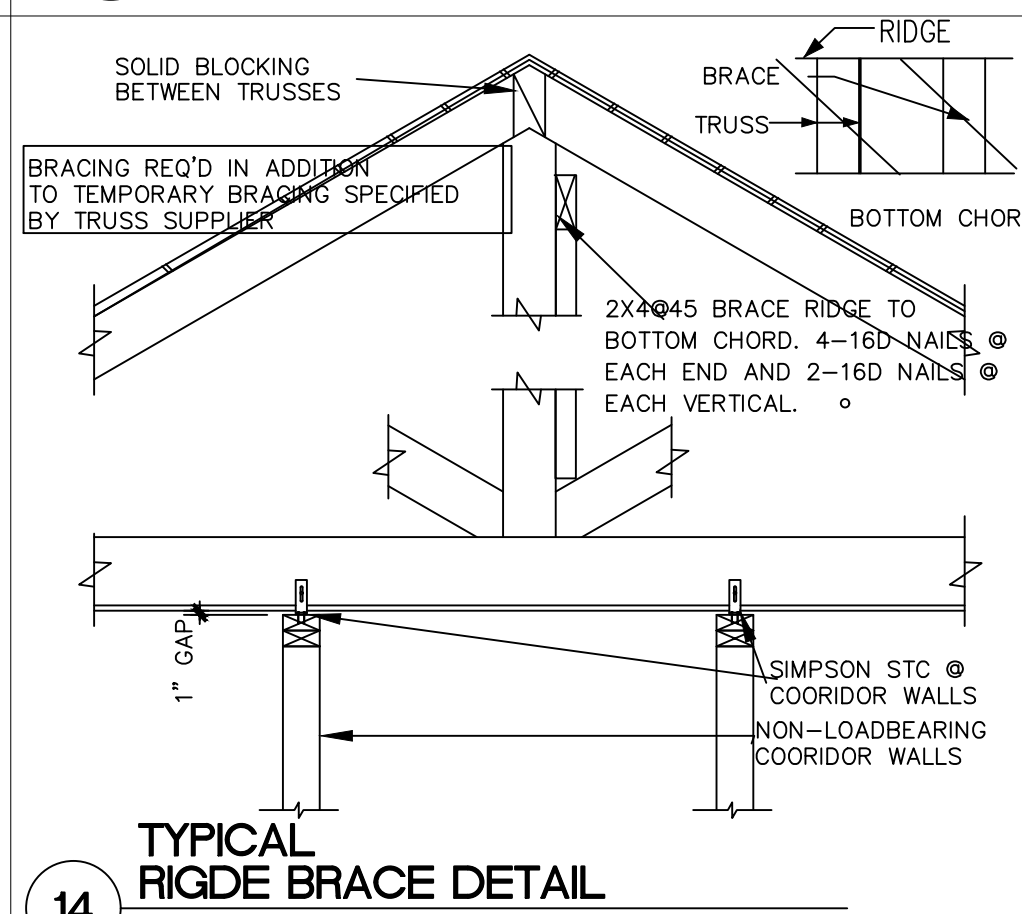
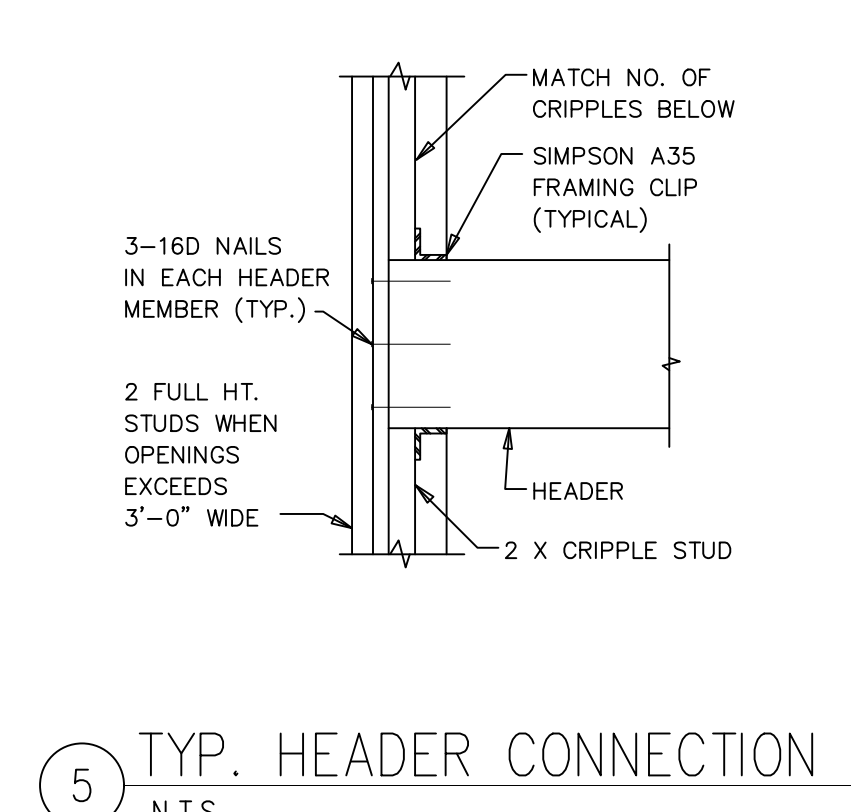
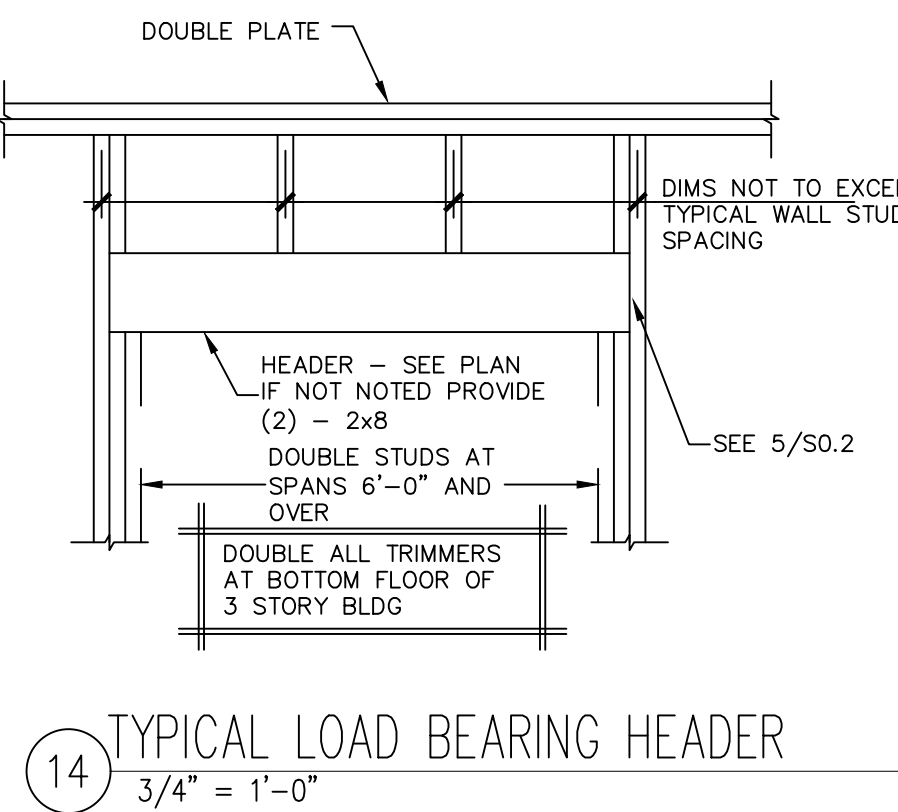
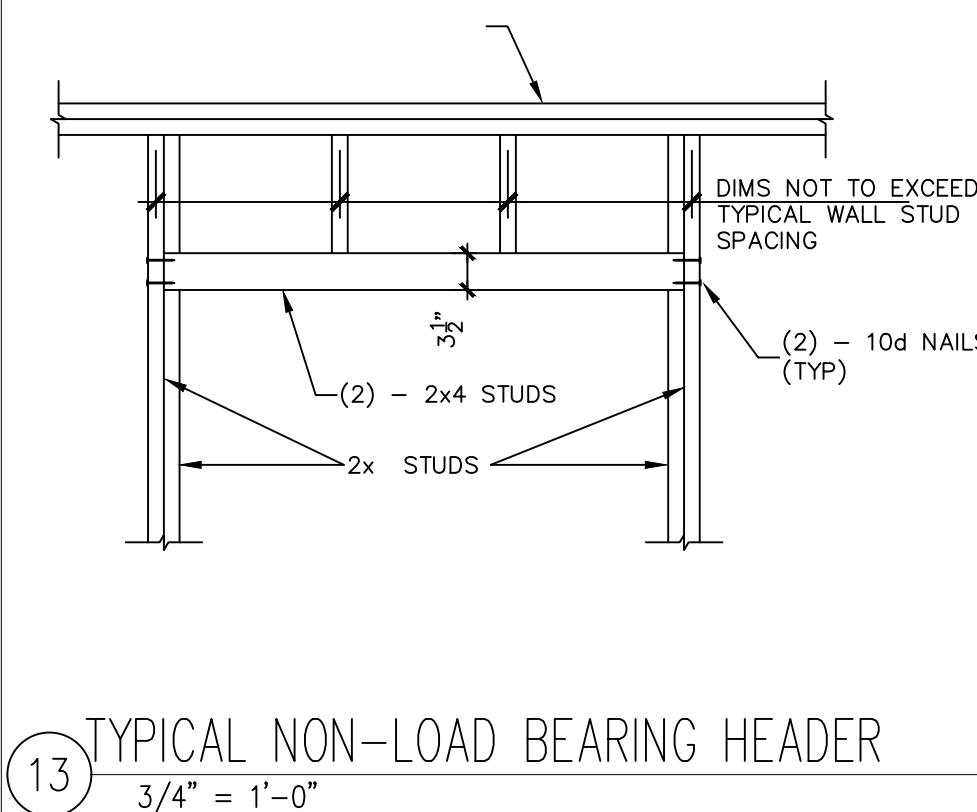
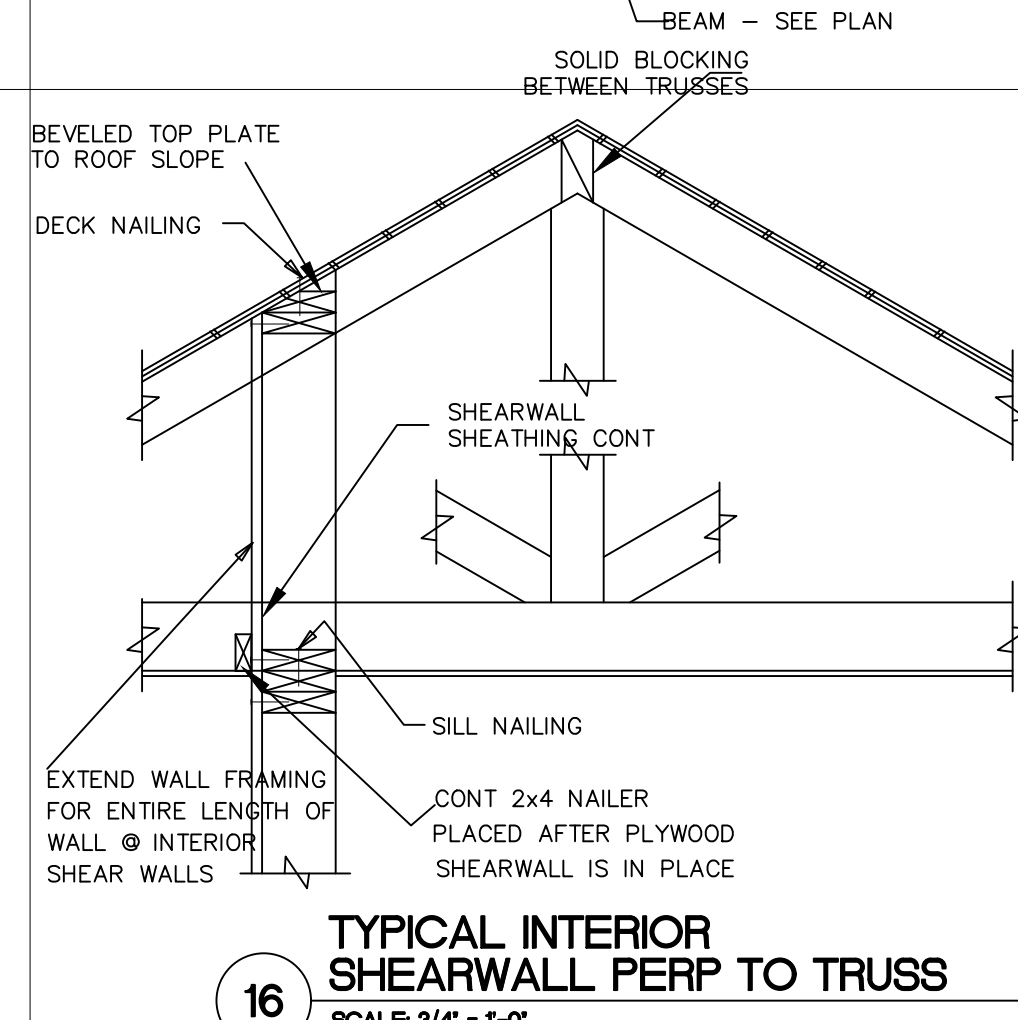
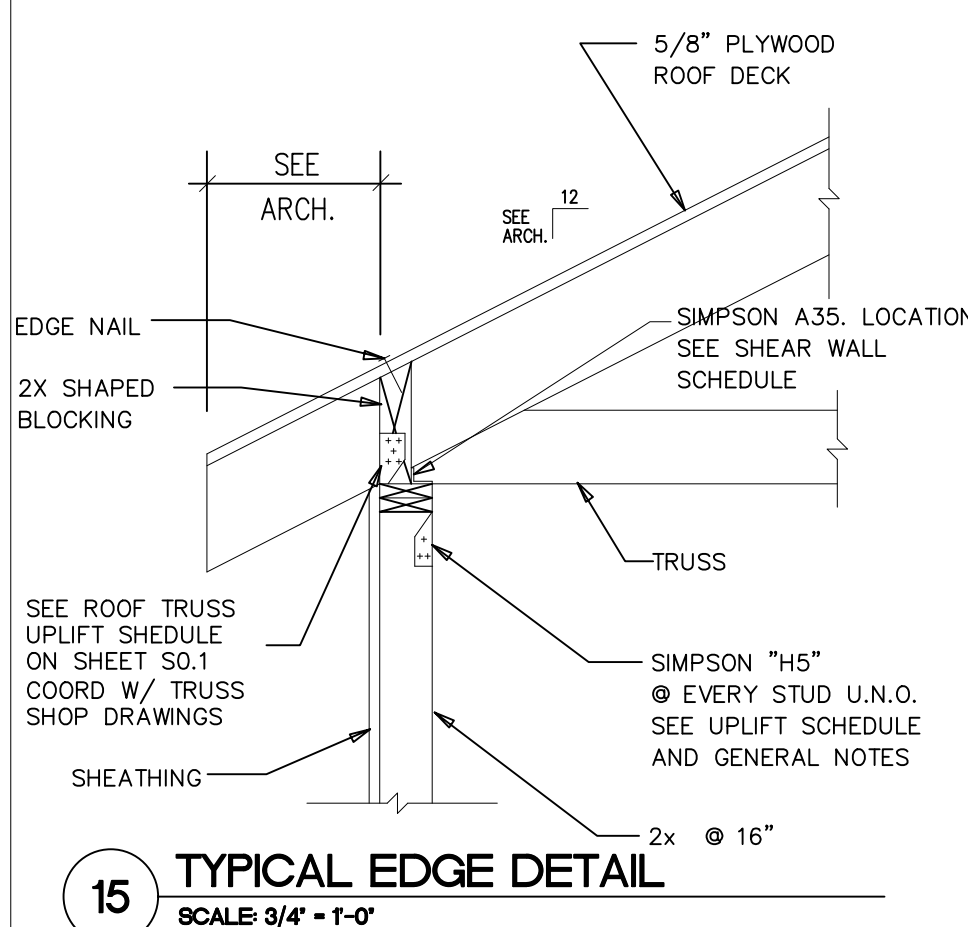
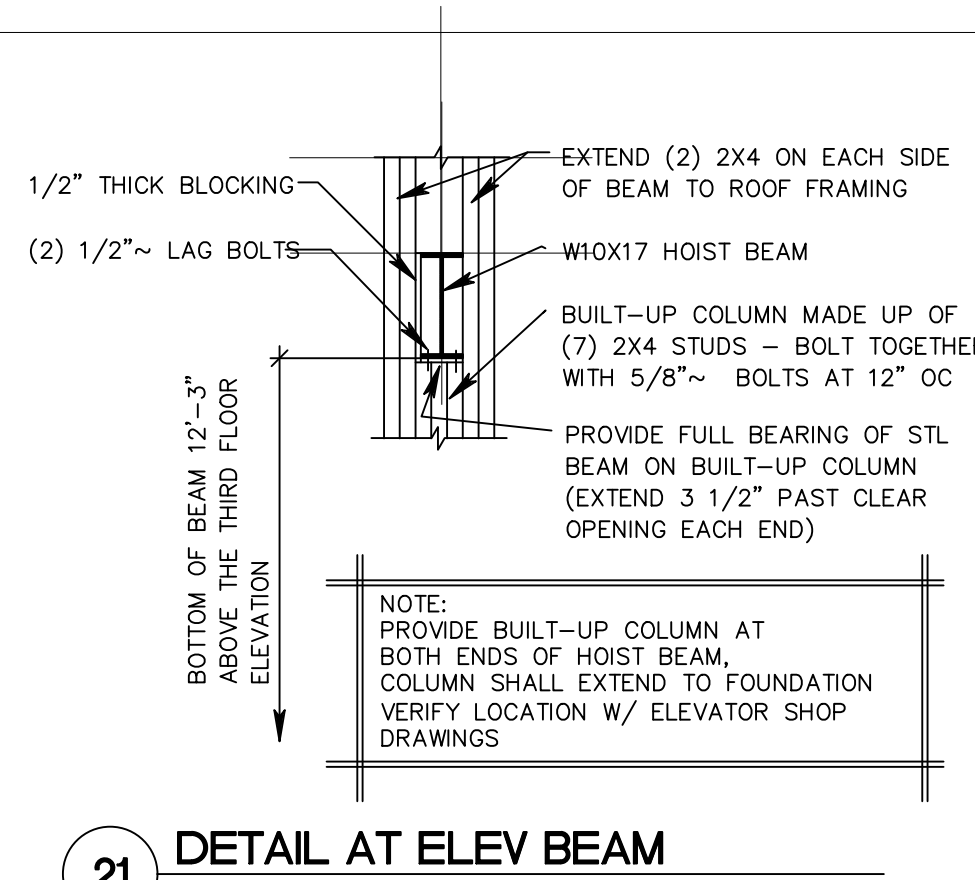
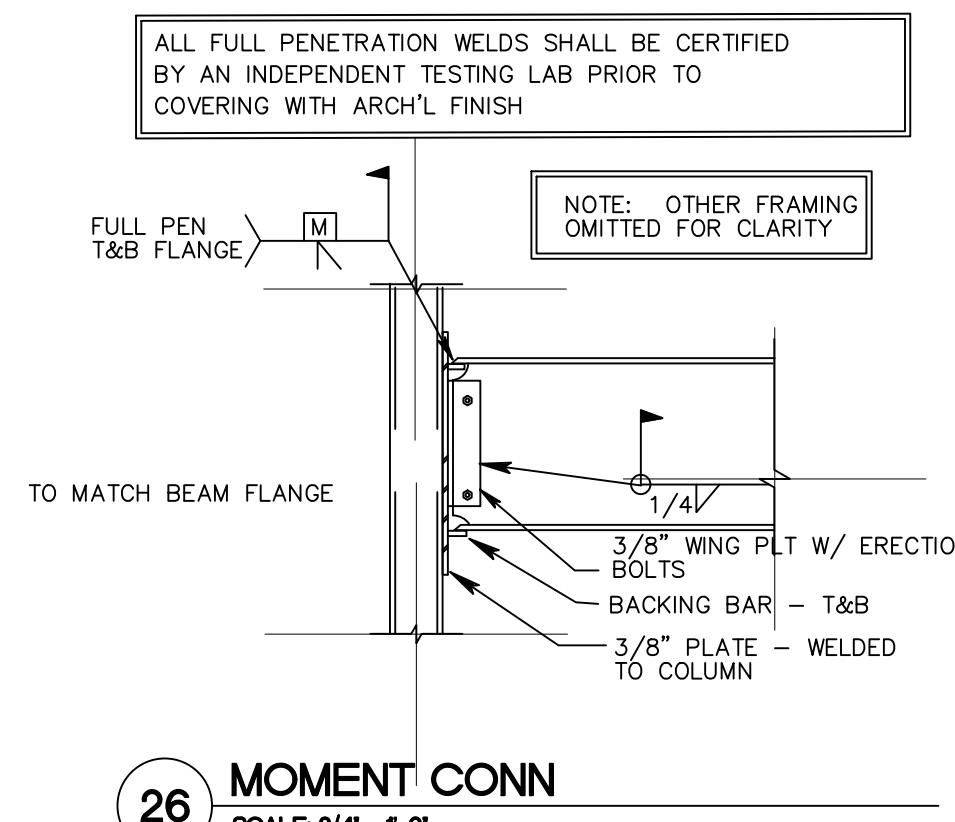
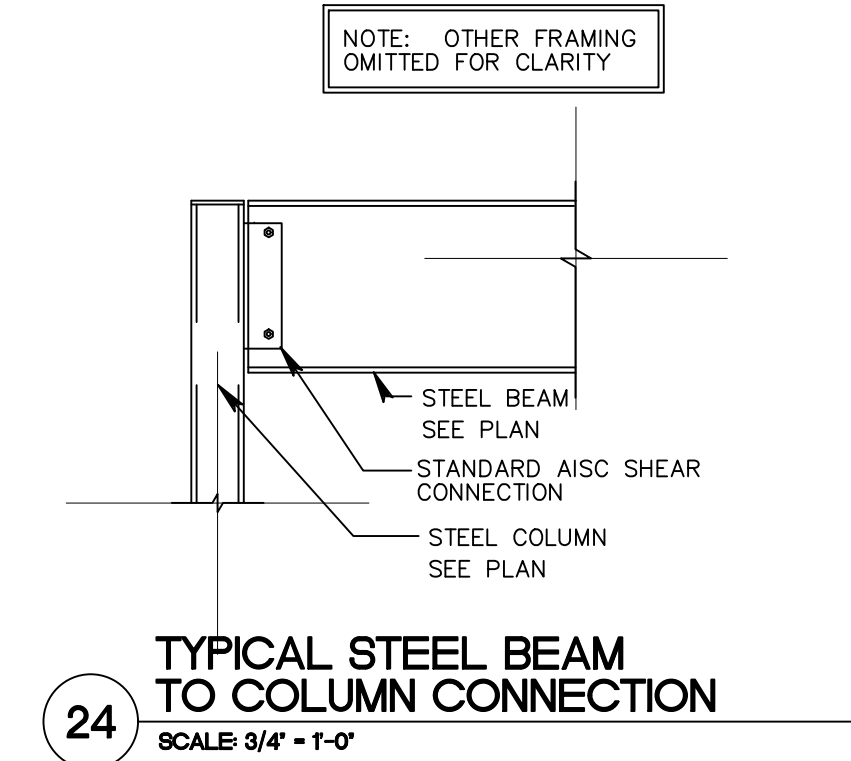
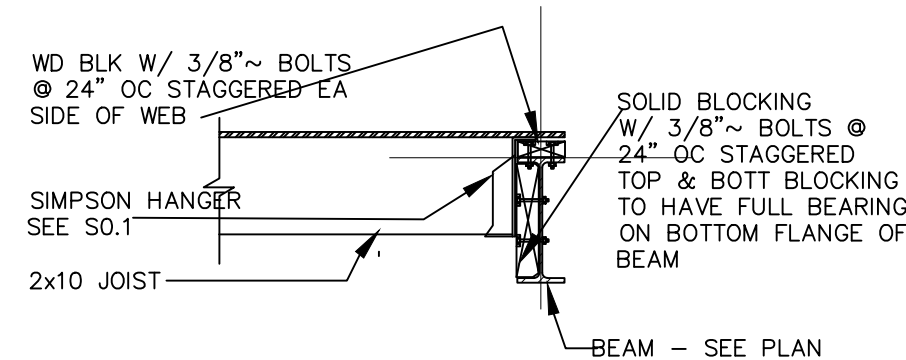
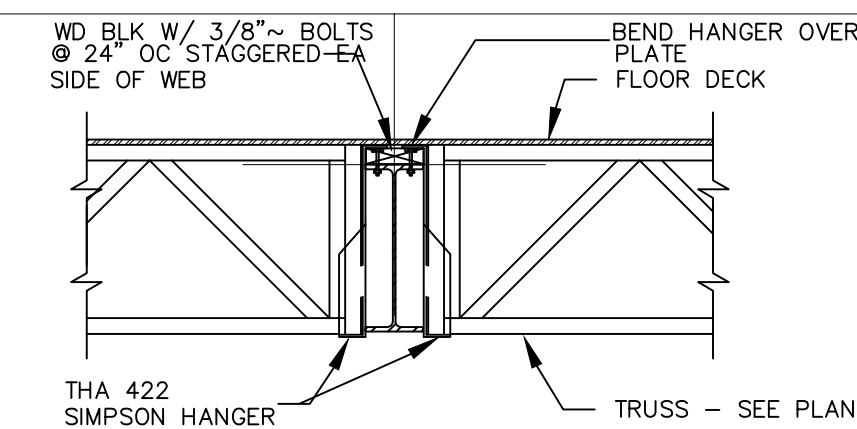
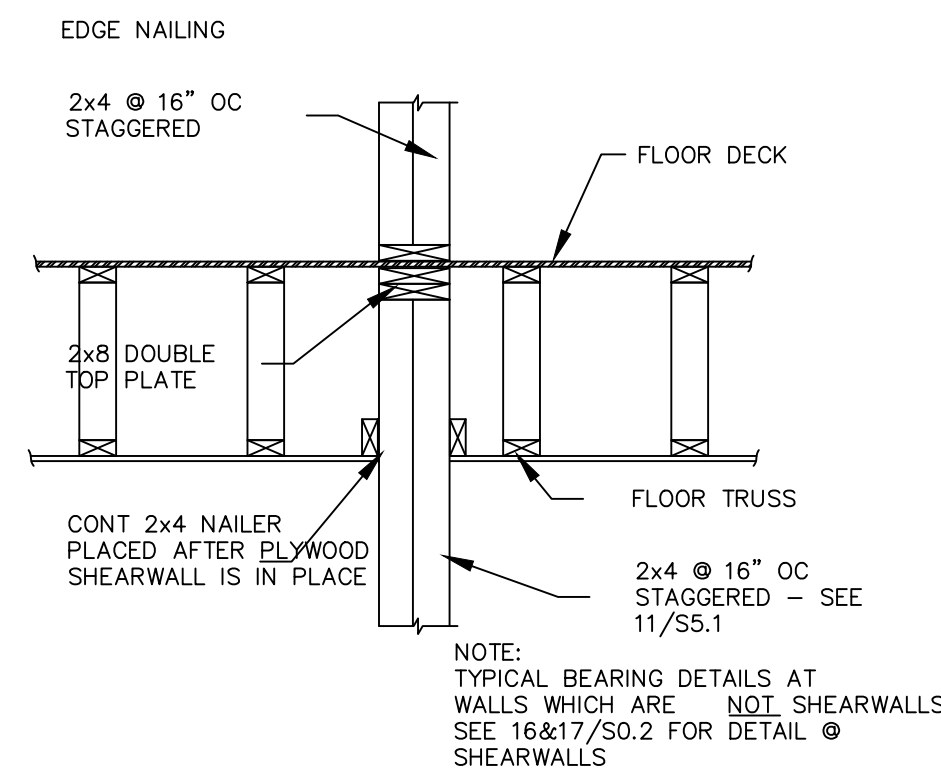
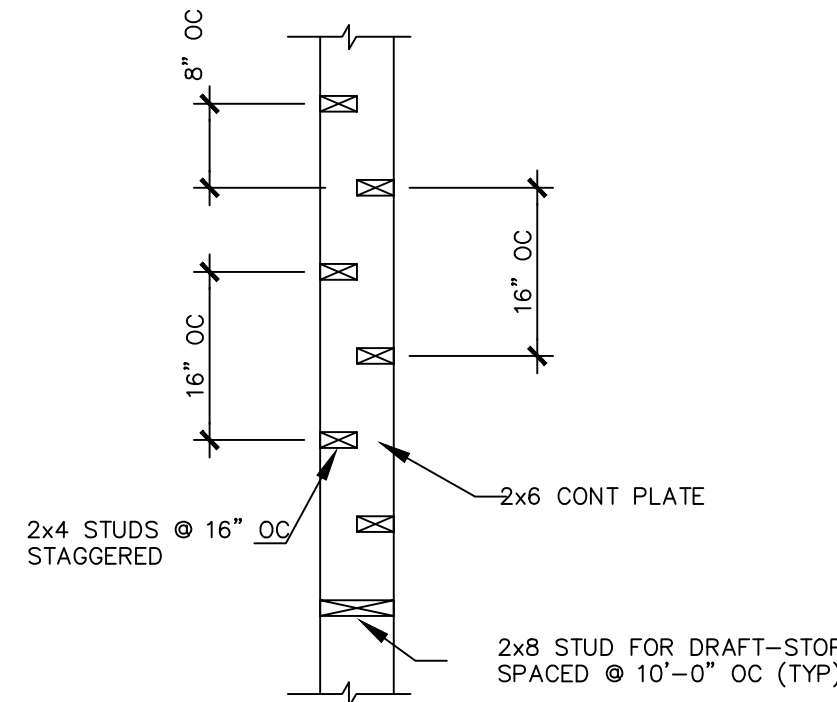
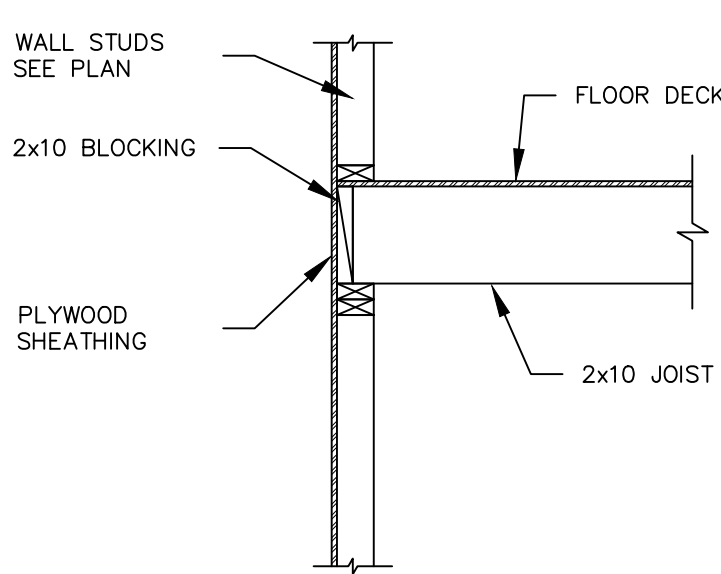
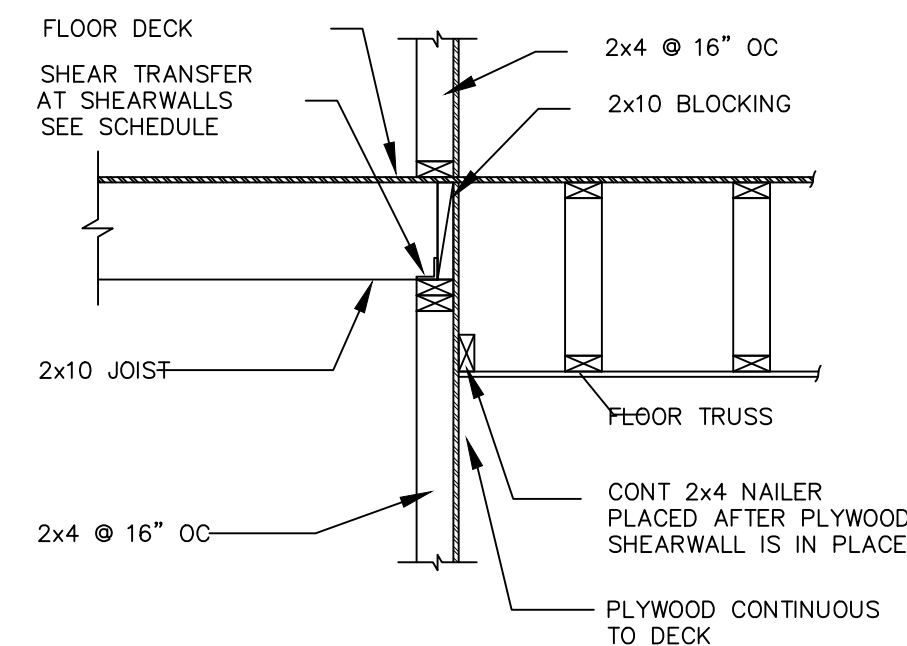
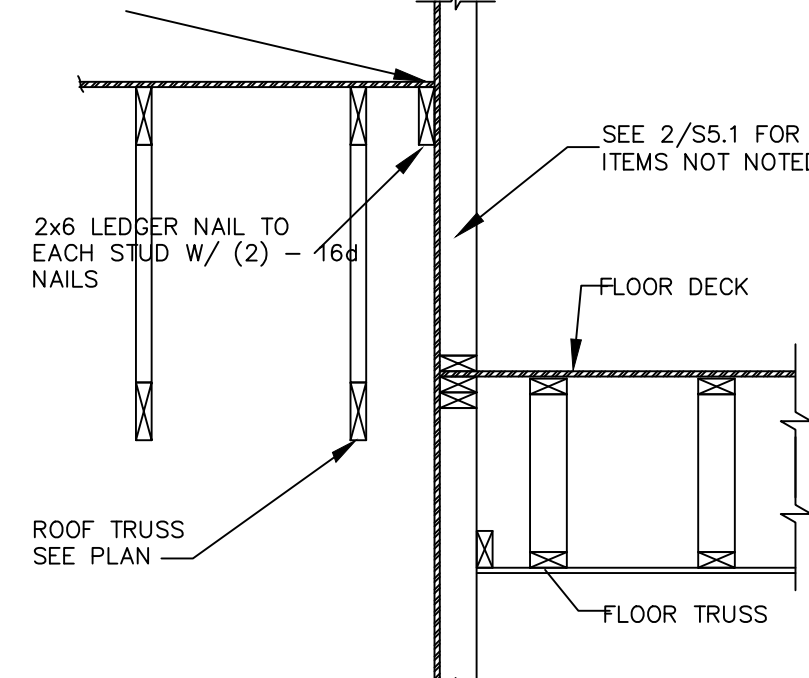
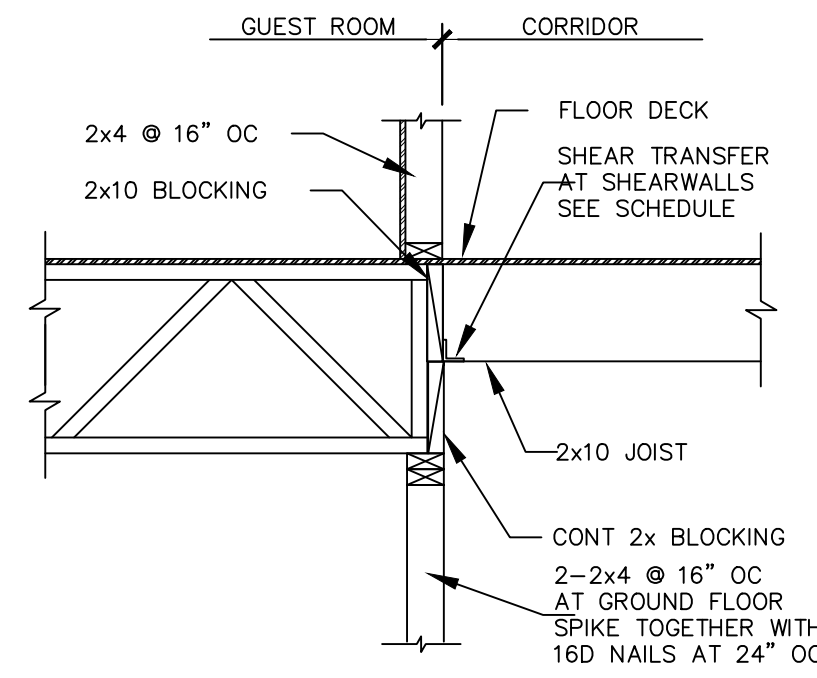
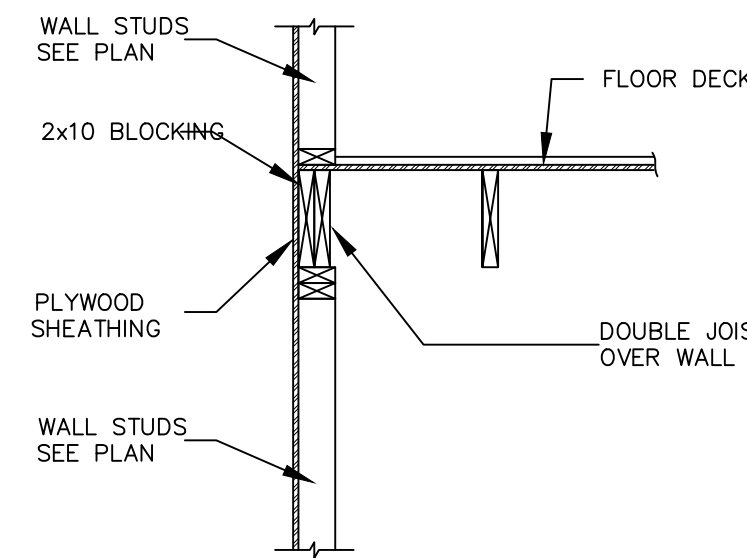
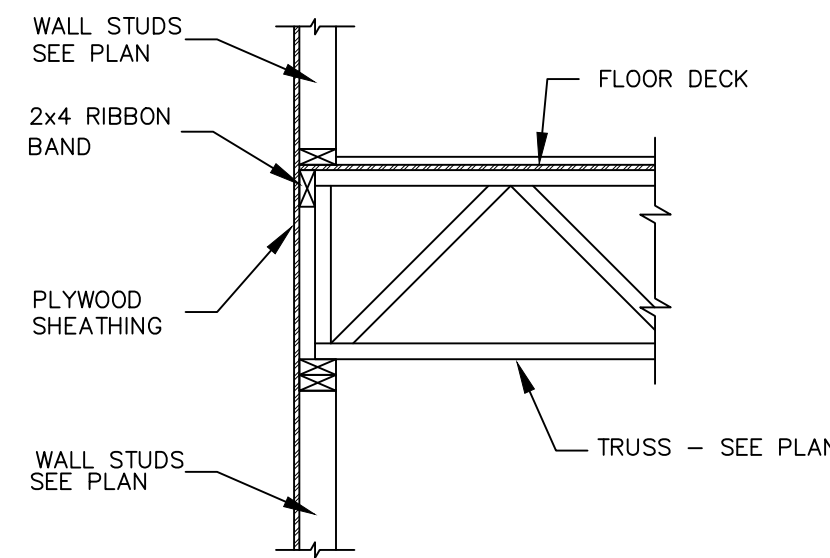
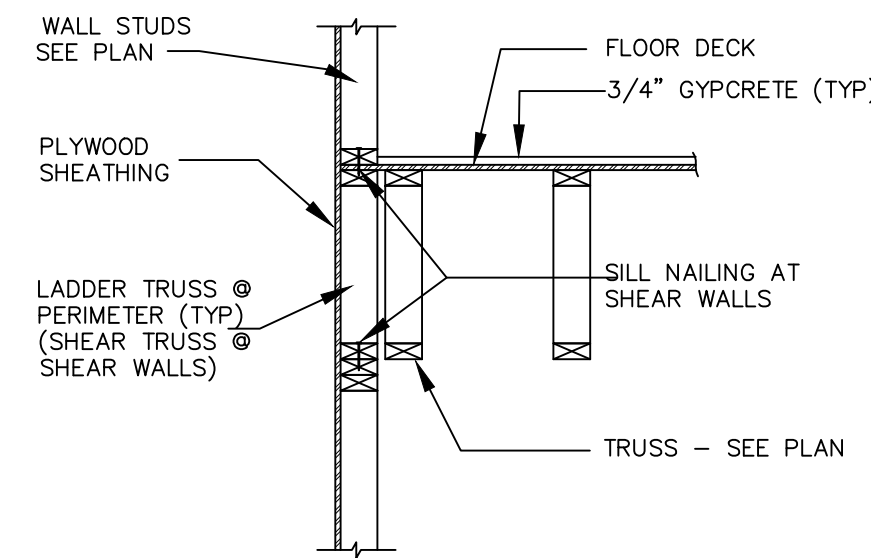
120 CALLAGHAN AVE  
SAN ANTONIO, TX

PLAN NO.  
000  
03/13/13

FRAMING  
DETAILS

SHEET

S-106

















## 120 Callaghan Ave.

| Trade/Labor/Service              | Cost | NOTES                                      |
|----------------------------------|------|--------------------------------------------|
| 3rd Party inspection             |      |                                            |
| POA/ACC Fees                     |      |                                            |
| Bldg Permits                     |      |                                            |
| Utility Permits                  |      |                                            |
| Plot/Form/Final Survey           |      |                                            |
| Erosion Control/Security Fencing |      |                                            |
| Demolition/site clear            |      |                                            |
| Rough Grade                      |      |                                            |
| Final Grade                      |      |                                            |
| Frame/Cornice Labor              |      |                                            |
| Trusses                          |      |                                            |
| Frame/Cornice Materials          |      |                                            |
| Frame Punch Material/Misc        |      |                                            |
| Trim Labor                       |      |                                            |
| Front Doors                      |      | ALLOWANCE                                  |
| Trim Materials/Int Doors         |      |                                            |
| Exterior Doors                   |      |                                            |
| Windows                          |      |                                            |
| Plumbing                         |      | Pending BID - Betancourt Plumbing          |
| Plumbing Fixtures                |      | ALLOWANCE                                  |
| HVAC                             |      |                                            |
| Roofing                          |      | Pending BID - Fry Roof                     |
| Electric/LV                      |      | Pending BID                                |
| Light Fixtures                   |      | ALLOWANCE                                  |
| Appliances                       |      | ALLOWANCE                                  |
| Insulation                       |      | Spray-in foam, walls 3.5" and rafters 5.5" |
| Tile Flooring                    |      |                                            |
| LVF Flooring                     |      |                                            |
| Gutters                          |      |                                            |
| Drywall Turnkey                  |      | Reserve Tech Interiors 2.15.20             |
| Int. Cleaning/Powerwash          |      |                                            |



Cabinets  
Countertops  
Shower Surrounds/Mirrors  
Waterproofing  
Paint  
Hardware  
Dirt Work/ Ext. Clean  
Landscaping/Irrigation  
Wrought Iron handrails  
Contingency  
Utility Expense  
Dumpsters/Port O Let  
Change Orders

Builders Compensation

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Total Build