

# Sheriff



*Eric Aden, Okaloosa County Sheriff*

Headquarters: 50 2<sup>nd</sup> Street, Shalimar Florida 32579-1234  
Phone: (850) 651-7410, Email: [Sheriff@sheriff-okaloosa.org](mailto:Sheriff@sheriff-okaloosa.org)

To: Qualified Contractors  
From: Captain Ron Kimble  
Date: 12/29/2023  
Re: Construction Quote

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The Okaloosa County Sheriff's Office is seeking quotes from licensed contractors for the construction of a bathroom facility at the Public Safety Training Center, 650 Chappie James Street SW, Crestview, FL 32536. Quotes will be accepted until 4:00PM on January 19, 2024.

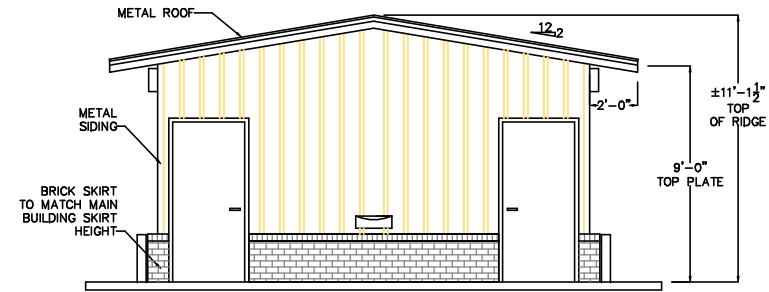
All materials, labor, permitting, and equipment necessary for construction should be accounted for in the quote. The project should commence as soon as possible. The contractor must be able to complete the project without unnecessary delay. Water, power, and sewer are present at the chosen build site. Please see the attached plans for more details.

Quotes should be submitted to [facilities@sheriff-okaloosa.org](mailto:facilities@sheriff-okaloosa.org). Questions may be directed to [facilities@sheriff-okaloosa.org](mailto:facilities@sheriff-okaloosa.org) or 850-613-2341.

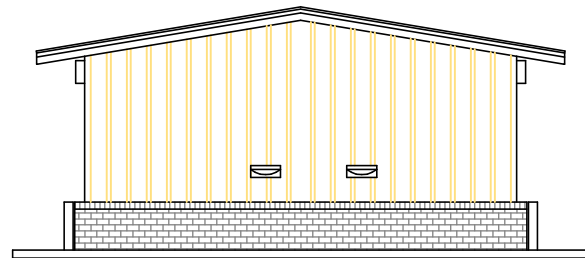


The Okaloosa County Sheriff's Office is accredited by the Commission for Florida Law Enforcement Accreditation.

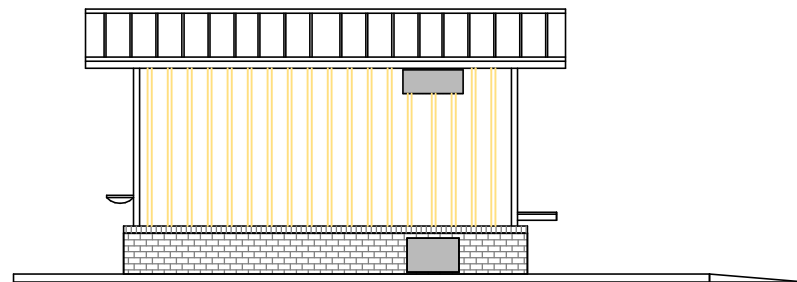
The Okaloosa County Sheriff's Office provides equal access and equal opportunity in employment and services and does not discriminate.



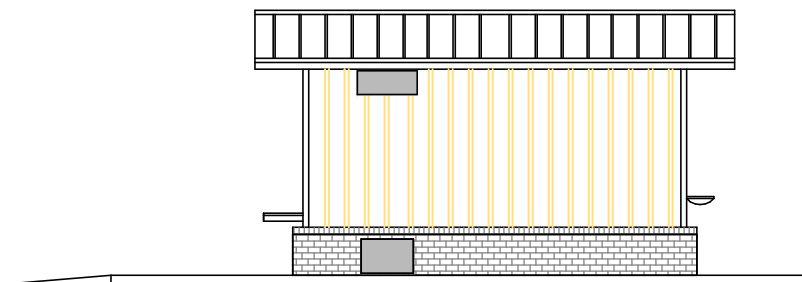
**FRONT ELEVATION: 1/8"=1'-0"**



**REAR ELEVATION: 1/8"=1'-0"**



**LEFT ELEVATION: 1/8"=1'-0"**



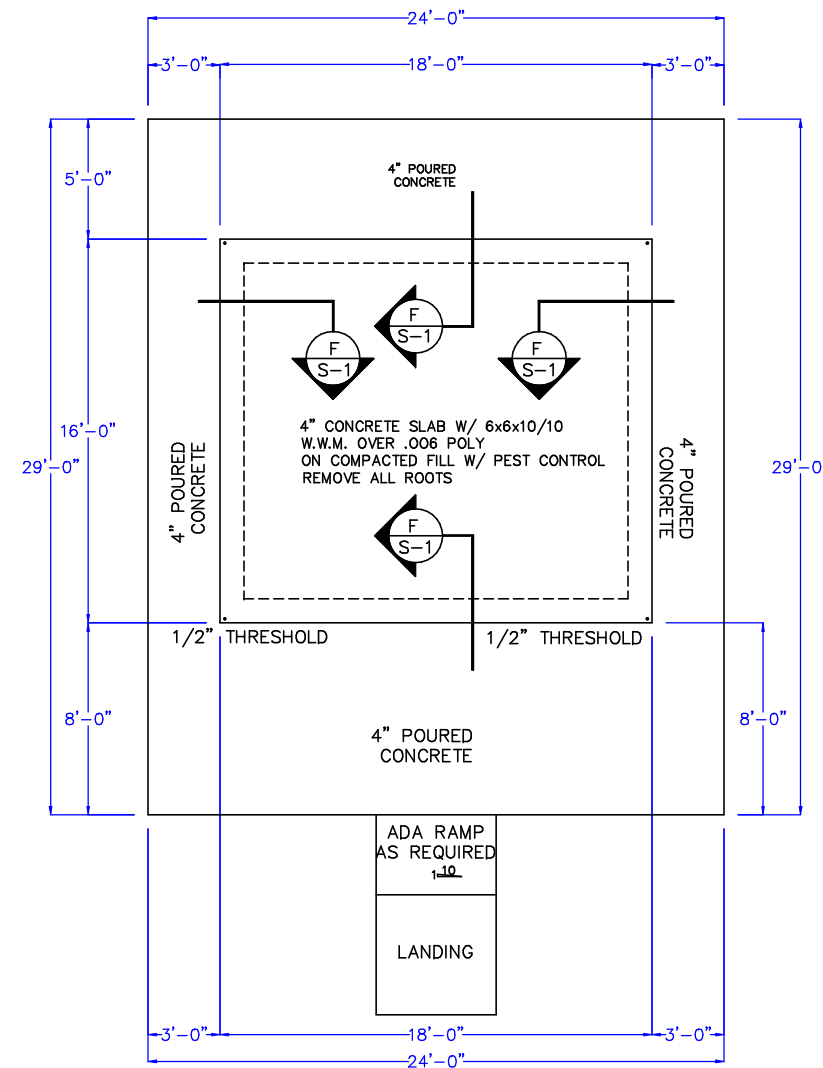
**RIGHT ELEVATION: 1/8"=1'-0"**

**SHEET INDEX:**

ELEVATIONS/FOUNDATION PLAN	A-1
FLOOR PLAN.TRUSS PLAN	A-2
STRUCTURAL DETAILS	SI-3
<b>TOTAL AREA:</b>	<b>288 SQ. FT.</b>
<b>PROJECT: RESTROOMS</b>	

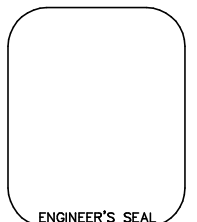
**GARRETT LEE SOWELL**  
 Precision Drafting and Building Services  
 (850) 664-1888

**Gulf Coast Engineering**  
 COMMERCIAL AND RESIDENTIAL  
 P.O. Box 4915  
 Fort Walton Beach, Florida 32549  
 850-240-3520 850-862-0043 Cell  
 FL PE 421137 FL CA7066  
 eallen18@cox.net mdnewell@cox.net



**FOUNDATION PLAN: 1/8"=1'-0"**

● 5/8" ALL THREAD @ 25' MINIMUM

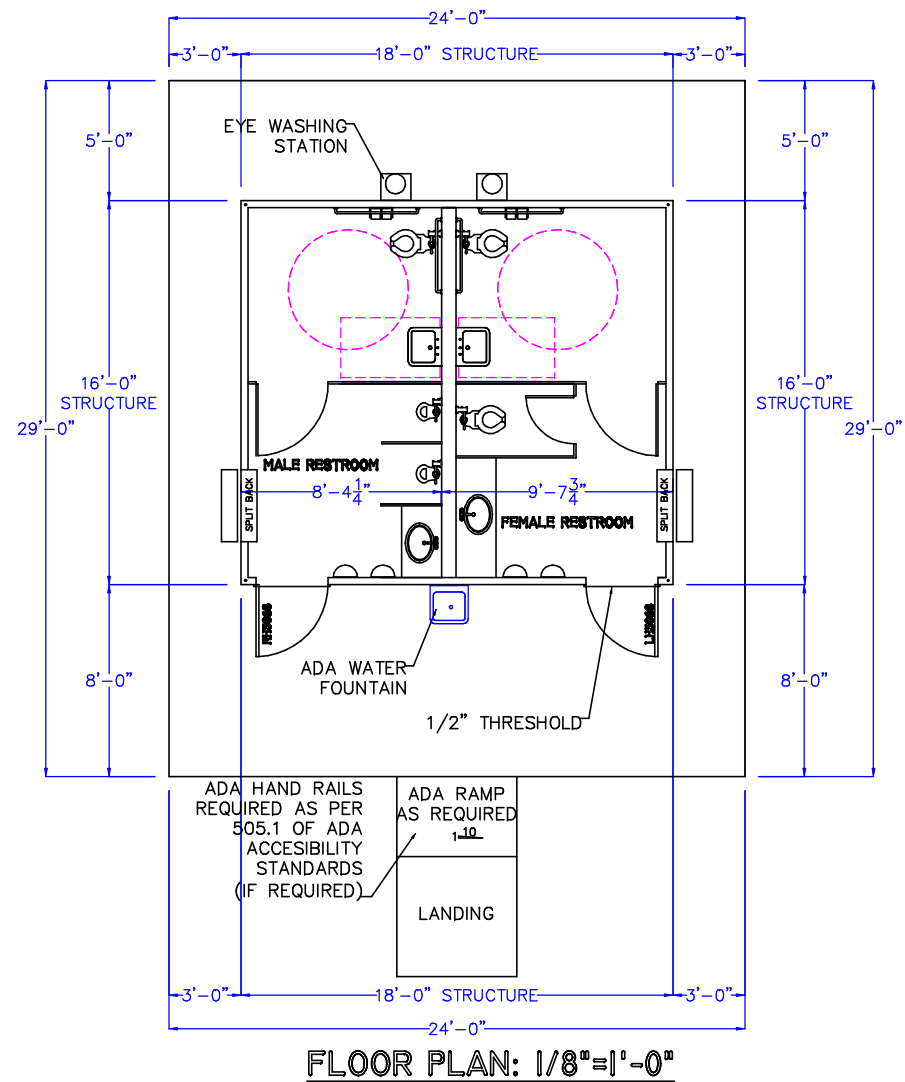


NO.	DWG.	ISSUE	DATE
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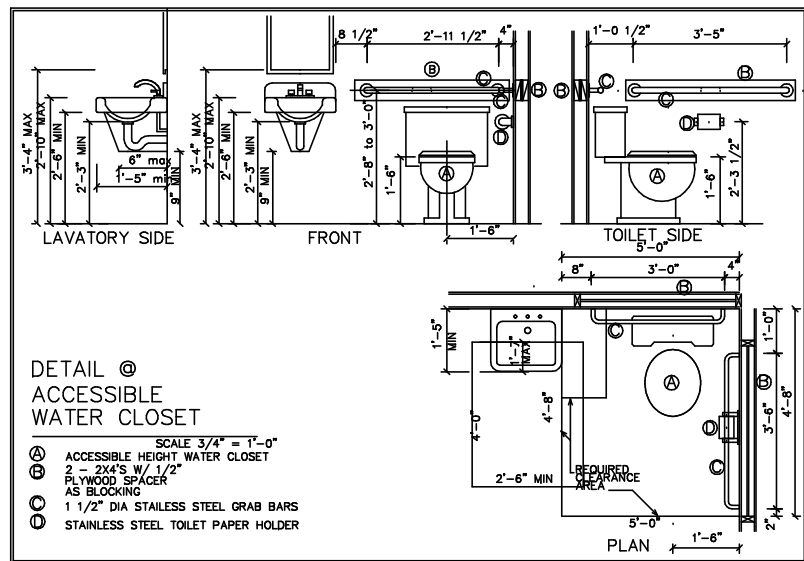
**OCSO TRAINING CENTER RESTROOMS**  
 700 CHARLIE JAMES STREET, NW  
 CRESTVIEW, FL 32536

CONTRACTOR:
DRAWING DESCRIPTION
JOB #
DRAWN BY:
CHECKED BY:
DATE: 10/12/2022
SCALE: 1/8"=1'-0"
DRAWING NUMBER

**A-1**



FLOOR PLAN: 1/8"=1'-0"

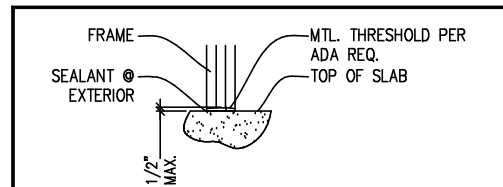
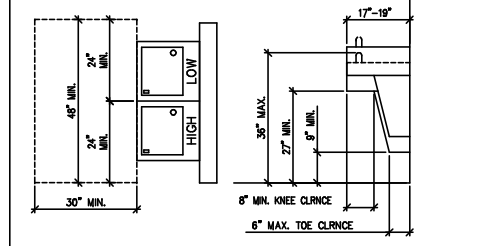


DETAIL @ ACCESSIBLE WATER CLOSET

- SCALE 3/4" = 1'-0"
- Ⓐ ACCESSIBLE HEIGHT WATER CLOSET
  - Ⓑ 2 - 2X4'S W/ 1/2" PLYWOOD SPACER AS BLOCKING
  - Ⓒ 1 1/2" DIA STAINLESS STEEL GRAB BARS
  - Ⓓ STAINLESS STEEL TOILET PAPER HOLDER

GENERAL NOTES:  
ALL MAN DOORS SHALL HAVE SINGLE LOCK LEVER HANDLES

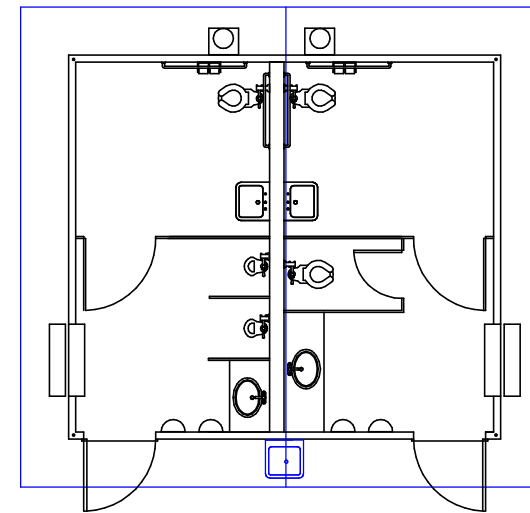
WATER FOUNTAIN DETAIL:



TYPICAL ADA THRESHOLD DETAIL  
SCALE: NTS

VERIFY LOAD BEARING WALLS

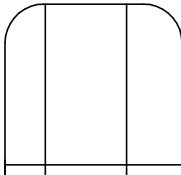
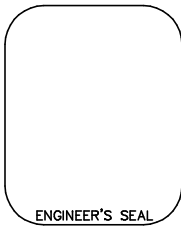
PRE-ENGINEERED ROOF TRUSSES @ 16" O.C.,  
DESIGN BY OTHERS



TRUSS PLAN: 1/8"=1'-0"

TRUSS DRAWINGS TO BE INCLUDED WITH PERMIT DRAWINGS

TRUSSES TO BE DESIGNED FOR ATTIC ACCESS AND STORAGE OVER GARAGE. AREAS OF ATTIC STORAGE TO BE DESIGNED FOR 30 PSF.  $DEFL_{MAX} = L/360$  (BUILDER TO VERIFY WITH OWNER AND TRUSS DESIGNER).



NO. DWG. ISSUE DATE

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CRESTVIEW, FL 32536

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A-2

ELECTRICAL GENERAL NOTES

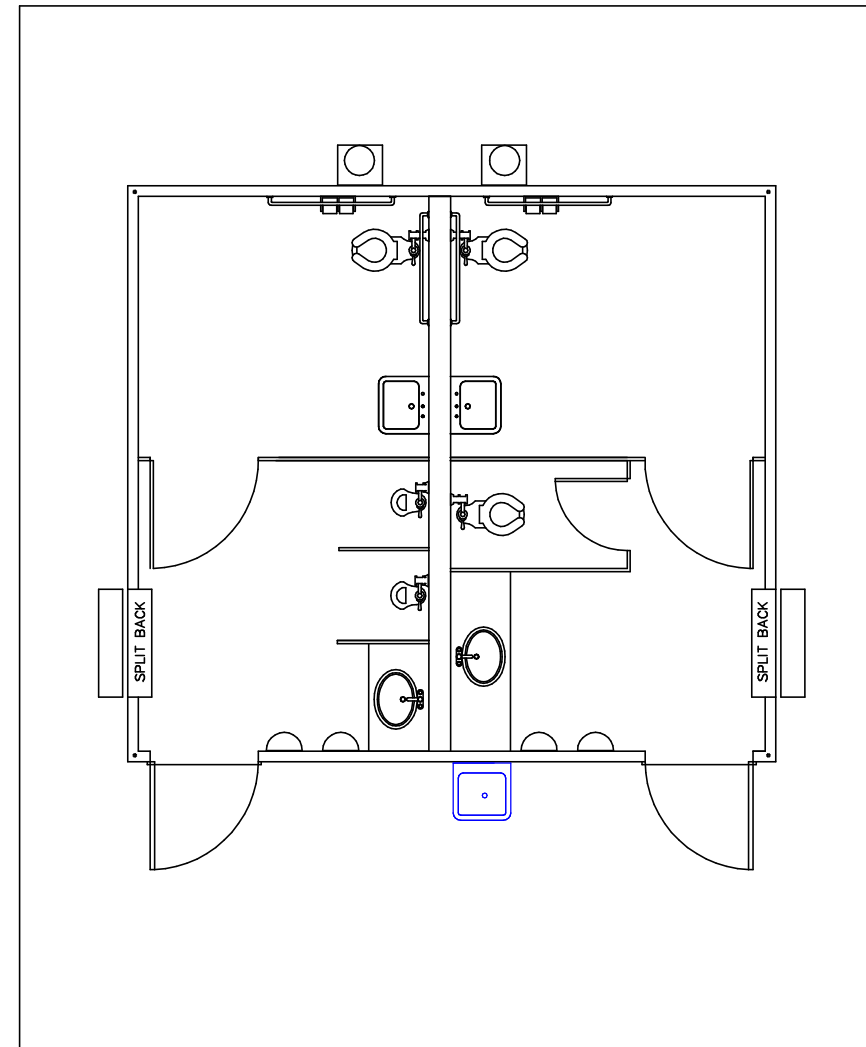
- A. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL, PLUMBING DRAWN FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
- B. RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE OWNER FROM STANDARD COLORS. DATA JACKS AND COVERPLATES SHALL COLOR SHALL MATCH WIRING DEVICES & COVER PLATES COLORS.
- C. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN WALL FOR SWITCHES.
- D. LOCATION OF DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
- E. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
- F. ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.
- G. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
- H. PROVIDE GREEN GROUND CONDUCTOR IN ALL CIRCUITS - SIZE PER N.E.C. IF REUSING EXISTING CIRCUITS, CONFIRM PRESENCE OF GROUND CONDUCTOR, IF ABSENT, INSTALL.
- I. ALL ELECTRICAL WORK SHALL BE PERMITTED AND WARRANTED FOR 12 MONTHS AFTER OCCUPANCY.
- J. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
- K. ALL WORK SHALL COMPLY WITH 2020 FLORIDA BUILDING CODE.
- L. JUNCTION BOXES SHALL BE SIZED PER NEC 314.16.
- M. SWITCH BANKS IN ROOMS ARE INTENDED TO HAVE ONE SWITCH CONTROL THE LIGHTS, AND ANOTHER SWITCH TO CONTROL THE FAN.
- N. FIXTURES CONTROLLED BY SWITCHBANKS FED FROM SAME CIRCUIT.

ELECTRICAL LEGEND

- Ⓜ TWIN HEAD EMERGENCY BATTERY UNIT, WALL MOUNTED
- Ⓜ EXIT SIGN; BACK MOUNTED
- Ⓜ JUNCTION BOX; MOUNTED ABOVE CEILING
- Ⓜ JUNCTION BOX; MOUNTED FLUSH IN WALL WITH BLANK COVER
- Ⓜ DUPLEX RECEPTACLE; 125V; 20A; NEMA 5-20 IS NOMENCLATURE FOR A 3-PRONGED 120V OUTLET; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE; NEMA 5-20R; HUBBELL SERIES HBL5352 & COVERPLATE
- Ⓜ DUPLEX RECEPTACLE; 125V; 20A; NEMA 5-20 IS NOMENCLATURE FOR A 3-PRONGED 120V OUTLET; MT 50" AFF TO C/L UNLESS NOTED OTHERWISE; NEMA 5-20R; HUBBELL SERIES HBL5352 & COVERPLATE
- Ⓜ DUPLEX RECEPTACLE; 125V; 20A; NEMA 5-20 IS NOMENCLATURE FOR A 3-PRONGED 120V OUTLET; MT 72" AFF TO C/L UNLESS NOTED OTHERWISE; NEMA 5-20R; HUBBELL SERIES HBL5352 & COVERPLATE
- Ⓜ 125V; 20A; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE; NEMA 5-20R; TWO HUBBELL SERIES HBL5352 & COVERPLATE
- Ⓜ DRYER OUTLET
- Ⓜ EXHAUST FAN
- Ⓜ WALL SWITCH; 120/277V; 20A; 1 POLE; HUBBELL SERIES HBL 1221 OR LOW VOLTAGE SWITCH(ES) AS NOTED.
- Ⓜ PANEL; 120/240V; MT 72" AFF TO TOP
- Ⓜ FUSED DISCONNECT SWITCH; AMP SIZE AS NOTED; FUSE SIZE PER EQUIPMENT NAMEPLATE DATA
- ~ FLEXIBLE CONDUIT CONNECTION
- G GROUND FAULT INTERRUPTER
- WP WEATHRPROOF
- 9 SWITC LEG INDICATES FIXTURES TO BE CONTROLLED BY CORRESPONDING SWITCH WITHIN SPACE

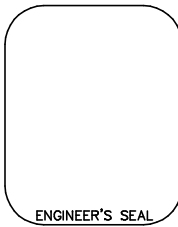
NEW PANEL "A"		Voltage: 120/240		Phase: 1		Wire: _____		Mounting: SURFACE	
		Mains: _____		AIC Rating: 10,000 MINIMUM					
		NEMA Rating: 1		Options: BOLT-ON BREAKERS					
CKT NO.	SERVING	CONN LOAD	CKT BKR TRIP	CKT BKR POLE	CKT BKR TRIP	CONN LOAD	SERVING	CKT NO.	
1*								*2	
3								4	
5								6	
7								8	
9								10	
11								12	
13								14	
15								16	
17								18	
19								20	
21								22	
23								24	
25								26	
27								28	
29								30	

CONNECTED LOAD: \_\_\_\_\_ \* INDICATES HACR TYPE BREAKER. VERIFY HVAC LOADS AND BREAKER SIZES PRIOR TO INSTALL  
 DIVERSIFIED LOAD \_\_\_\_\_



ELECTRICAL PLAN: NTS

GARRETT LEE SOWELL  
 PRECISION DESIGN AND BUILDING SERVICES  
 (850) 681-1008  
**Gulf Coast Engineering**  
 COMMERCIAL AND RESIDENTIAL  
 P.O. Box 4915  
 Fort Walton Beach, Florida 32549  
 850-240-3520 850-862-0043 Cell  
 FL PE 42137 FL CA7066  
 eallen18@cox.net mdnewell@cox.net



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CONTRACTOR:
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DATE: 05/18/2021
SCALE: 1/8"=1'-0"
DRAWING NUMBER

E-1

# GENERAL NOTES & SPECIFICATIONS

## 1. DESIGN CRITERIA

### A. CODES

FLORIDA BUILDING CODE, 2020 COMMERCIAL  
 AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (TIMBER CONSTRUCTION MANUAL, LATEST EDITION)  
 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (A.C.I. 318).  
 BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES (A.C.I.531).  
 AMERICAN INSTITUTE OF STEEL CONSTRUCTION, LATEST EDITION.  
 2015 NFPA 101

### B. DESIGN LIVE LOADS:

ROOF 20 PSF  
 FLOORS 40 PSF  
 LATERAL WIND FORCES 150 MPH ASCE 7-16 EXPOSURE B  
 1st STORY DESIGN WIND PRESSURE: 41 PSF, -41 PSF

DESIGNED FOR: ENCLOSED STRUCTURE

STRUCTURAL CATEGORY: II  
 IMPORTANCE FACTOR: 1.0  
 INTERNAL PRESSURE COEFFICIENT +1.0, -1.0  
 COMPONENTS & CLADDING SHALL BE DESIGNED AND INSTALLED (BY OTHERS)  
 TO COMPLY WITH THE FLORIDA BLDG CODE, 2020 COMMERCIAL  
 SHUTTERS OR IMPACT RESISTANT GLAZING ARE REQUIRED.  
 SHUTTERS OR IMPACT RESISTANT GLAZING MUST HAVE FLORIDA PRODUCT APPROVAL NUMBERS.

Wind Pressure on Components and Cladding (Ch 30 Part 2)						
All pressures shown are based upon STRENGTH Design, with a Load Factor of 1						
Description	Width	Span	Area	Zone	Max P	Min P
	ft	ft	ft <sup>2</sup>		psf	psf
Roof Infill	42.00	13.68	100.0	1	17.64	-35.93
Roof Edges	42.00	35.00	100.0	2	17.64	-50.58
Roof Corners	3.50	12.3	3	3	24.43	-100.53
Wall Infill	40.00	32.67	500.0	4	32.29	-35.93
Wall Corners	3.50	32.67	355.8	5	33.91	-39.20

## 2. CONCRETE SPECIFICATIONS

- ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS.
- CONCRETE OPERATIONS SHALL COMPLY WITH A.C.I. STANDARDS.
- CONCRETE COMPRESSIVE STRENGTH: 2500 PSI MINIMUM AT 28 DAYS.
- REINFORCING BARS: ASTM A615 GRADE 60
- WELDED WIRE FABRIC (W.W.F.) ASTM A185.
- REINFORCING BARS PLACING ACCESSORIES: IN ACCORDANCE WITH CRSI SPECIFICATIONS.
- MINIMUM CONCRETE COVERAGE OF REINFORCEMENT: FOOTINGS: 3" BOTTOM AND 2" SIDES.
- EARTH SUPPORTED SLAB: 4 INCHES THICK REINFORCED WITH 6 x 6 x W1.4 x W1.4 W.W.F. THE SLAB SHALL BE PLACED OVER POLYETHYLENE VAPOR BARRIER OF NOT LESS THAN 3/16 INCH NOMINAL THICKNESS. IN LIEU OF WELDED WIRE FABRIC, CONCRETE SLAB CAN BE TREATED WITH SYNTHETIC REINFORCING FIBERS AS MANUFACTURED BY FIBERMESH COMPANY, AND IN ACCORDANCE WITH ASTM STANDARD SPECIFICATION FOR FIBER REINFORCED CONCRETE AND SHOTCRETE, C1116. THE DOSAGE SHALL BE ONE AND ONE HALF ( 1 1/2 ) POUNDS FIBERS PER CUBIC YARD OF CONCRETE.

- ANCHOR BOLTS IN CMU BLOCKS SHALL CONFORM TO ASTM A36 AND SHALL BE 1/2" DIAMETER WITH 7" MIN. DEPTH IN CONCRETE.
- DETAIL REINFORCING IN ACCORDANCE WITH A.C.I. 315. REINFORCING SHALL NOT BE WELDED, EXCEPT AS SHOWN WHERE ASTM A708 BARS ARE USED.

## 3. MASONRY SPECIFICATIONS

- HOLLOW CONCRETE BLOCK (MASONRY) UNITS SHALL CONFORM TO ASTM C90, WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI ON THE NET AREA AND 1,000 PSI ON THE GROSS AREA (f'm = 1,500 PSI)
- ALL MORTAR FOR MASONRY SHALL CONFORM TO ASTM C270, TYPE "M" OR "S". ALL GROUT FOR USE IN MASONRY SHALL CONFORM TO ASTM C476, MINIMUM 2,500 PSI AT 28 DAYS.
- CONTINUOUS BARS SHALL HAVE BASIC CLASS "C" TENSION LAPS WITH CORNER BARS AT ALL CORNERS AND END WALL INTERSECTIONS.
- ALL VERTICAL REINFORCEMENT IN MASONRY SHALL HAVE CLASS "C" TENSION LAPS.
- REINFORCING IN MASONRY WALL FOOTINGS SHALL BE CONTINUOUS.

## 4. TIMBER SPECIFICATIONS

- STRUCTURAL TIMBER SHALL BE #2 SOUTHERN YELLOW PINE (M.C.-19%) OR LODGE POLE OR EQUAL UNLESS OTHERWISE NOTED ON DRAWINGS, WITH ALLOWABLE STRESSES AS FOLLOWS:

BENDING STRESS	1,200 PSI	1,050 PSI
WEAR STRESS	90 PSI	70 PSI
COMPRESSION STRESS PARALLEL TO GRAIN	1,000 PSI	700 PSI
MODULUS OF ELASTICITY	1,600,000 PSI	1,200,000 PSI

- STRUCTURAL GLUE LAMINATED TIMBER SHALL BE VISUALLY GRADED SOUTHERN PINE WITH THE FOLLOWING MINIMUM ALLOWABLE STRESSES:

BENDING STRESS	2,400 PSI
WEAR STRESS	200 PSI
MODULUS OF ELASTICITY	1,800,000 PSI

- STRUCTURAL PARALLAM BEAMS ALL SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES:

BENDING STRESS	2,900 PSI
WEAR STRESS	900 PSI
MODULUS OF ELASTICITY	2,000,000 PSI

- PLYWOOD SHEATHING:

- EACH CONSTRUCTION AND INDUSTRIAL PANEL SHALL BE IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF U.S. PRODUCT STANDARDS PS 1 OR PS 2-180 PERFORMANCE STANDARDS. ALL PANELS WHICH HAVE ANY EDGE OR SURFACE PERMANENTLY EXPOSED TO WEATHER SHALL BE CLASSIFIED EXTERIOR.
  - PANEL ROOF, WALL AND FLOOR SHEATHING SHALL BE 1/2" THICK APA STRUCTURAL 1 RATED SHEATHING EXP 2 (UNLESS OTHERWISE NOTED ON PLANS). SHEATHING PERMANENTLY EXPOSED TO WEATHER SHALL BE CLASSIFIED EXTERIOR.
  - NAIL PANELS WITH 8D COMMON NAILS AT 3" O.C. ALONG SUPPORTED PANEL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS, OR AS INDICATED ON PLANS.
- ALL BEARING STUD WALLS SHALL HAVE SOLID BLOCKING AT MID-HEIGHT OR AS OTHERWISE NOTED ON BUILDING SECTIONS.
  - PREFABRICATED WOOD STRUCTURAL MEMBERS, INCLUDING TRUSSES SHALL BE DESIGNED SPECIFICALLY FOR THIS PROJECT FOR A 150 MPH WIND LOAD IAW ASCE 7-16 LATERAL LOAD, AND SEALED BY A FLORIDA REGISTERED ENGINEER.
  - REVIEW ALL DRAWINGS INCLUDING MECHANICAL, ELECTRICAL, PLUMBING ETC. TO ASCERTAIN LOADS FROM EQUIPMENT, OPENINGS FOR DUCTS ETC. AND PROVIDE MODIFICATION TO TRUSSES IF REQUIRED TO SUPPORT SAME.

H. TRUSS LAYOUT AS SHOWN ON PLANS IS SCHEMATIC AND MAY BE MODIFIED WITH APPROVAL OF THE ENGINEER

I. ALTHOUGH WEB LAYOUT MAY BE SHOWN ON PLANS, IT IS THE RESPONSIBILITY OF THE TRUSS DESIGNER TO ACCEPT, APPROVE, OR MODIFY, AS REQUIRED FOR THE DESIGN PURPOSE.

J. WOOD-TO-WOOD FRAMED CONNECTIONS ARE TO BE MADE WITH BOLTS AND/OR JOIST HANGERS AS SHOWN. TOE-NAILING IS NOT PERMITTED.

K. MAXIMUM SPANS OF DIMENSIONAL LUMBER USED FOR JACK RAFTERS AT HIPPED ROOF SECTIONS SHALL BE IN ACCORDANCE WITH "SPAN TABLES FOR JOISTS AND RAFTERS" AS PUBLISHED BY THE NATIONAL WOOD PRODUCTS ASSOCIATION.

L. HIP RAFTERS SHALL BE 2 INCHES DEEPER THAN JACK RAFTERS.

M. ALL TRUSSES AND RAFTERS SHALL BE STRAPPED OR HURRICANE CLIPPED TO SUPPORTING MEMBERS AT ALL BEARING POINTS.

## 4. TIMBER SPECIFICATIONS (CONTINUED)

N. SECURE EACH ROOF TRUSS/RAFTER TO TOP PLATE WITH SIMPSON HURRICANE CLIPS (OR EQUAL) AS INDICATED ON PLANS. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF TRUSSES TO ENGINEER TO VERIFY/MODIFY UP-LIFT CONNECTORS.

O. ALL EXTERIOR WALL FRAMING SHALL BE 2"x4" OR 2"x6" at 16" O.C., UNLESS NOTED OTHERWISE. 7/16" OSB SHEATHING OR 1/2" CDX PLYWOOD PANELS SHOULD EXTEND TO THE TOP PLATE AND BOTTOM OF EXTERIOR GIRDERS OR SILL PLATE. NAIL PLYWOOD AT AT 4" O.C. AT ALL EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS OR AS INDICATED PER PLAN.

P. USE SIMPSON ST18 (OR EQUAL) RIDGE/RAFTER CONNECTORS OR SIMPSON RR STRAPS AT ALL RAFTERS/RIDGE BEAMS OR AS INDICATED PER PLAN.

Q. USE SIMPSON SP1 & SP2 (OR EQUAL) TO SECURE STUDS TO BOTTOM AND TOP PLATES, OR AS INDICATED ON PLAN.

R. USE TWO (2) SIMPSON LSTA21 (OR EQUAL) TO SECURE EACH BEAM HEADER BEARING END TO EACH SUPPORT, OR AS INDICATED PER PLAN.

S. USE SIMPSON LSTA21 STRAP TIES (OR EQUAL) OR SIMPSON SP4 (OR EQUAL) AT TOP OF EACH EXTERIOR WINDOW AND DOOR FRAME OPENING, OR AS INDICATED PER PLANS.

T. CUTTING, NOTCHING BORED HOLES IN STUD WALLS, RAFTERS, ETC., SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2020 COMMERCIAL.

U. RIDGE BOARDS WHERE INDICATED ON FRAMING PLANS SHALL NOT BE LESS THAN 1" IN THICKNESS, AND NOT LESS IN DEPTH THAN CUT END RAFTERS. RAFTERS SHALL BE PLACED DIRECTLY OPPOSITE EACH OTHER AND NAILED TO RIDGE BOARD.

V. ALL WOOD BUILT-UP GIRDERS, BEAMS, STUDS TO SOLE PLATES, ETC. TO BE CONNECTED AS PER FLORIDA BUILDING CODE 2020 COMMERCIAL.

OF THE HEADER SUPPORTED AS FOLLOWS (UNLESS OTHERWISE NOTED):

STUD OR MAY BE SUPPORTED BY FRAMING ANCHORS ATTACHED TO WALL STUD.

111. FOR OPENINGS MORE THAN 6'-0" AND LESS THAN 12' IN WIDTH, EACH END SHALL BEAR ON A DOUBLE HEADER STUD.

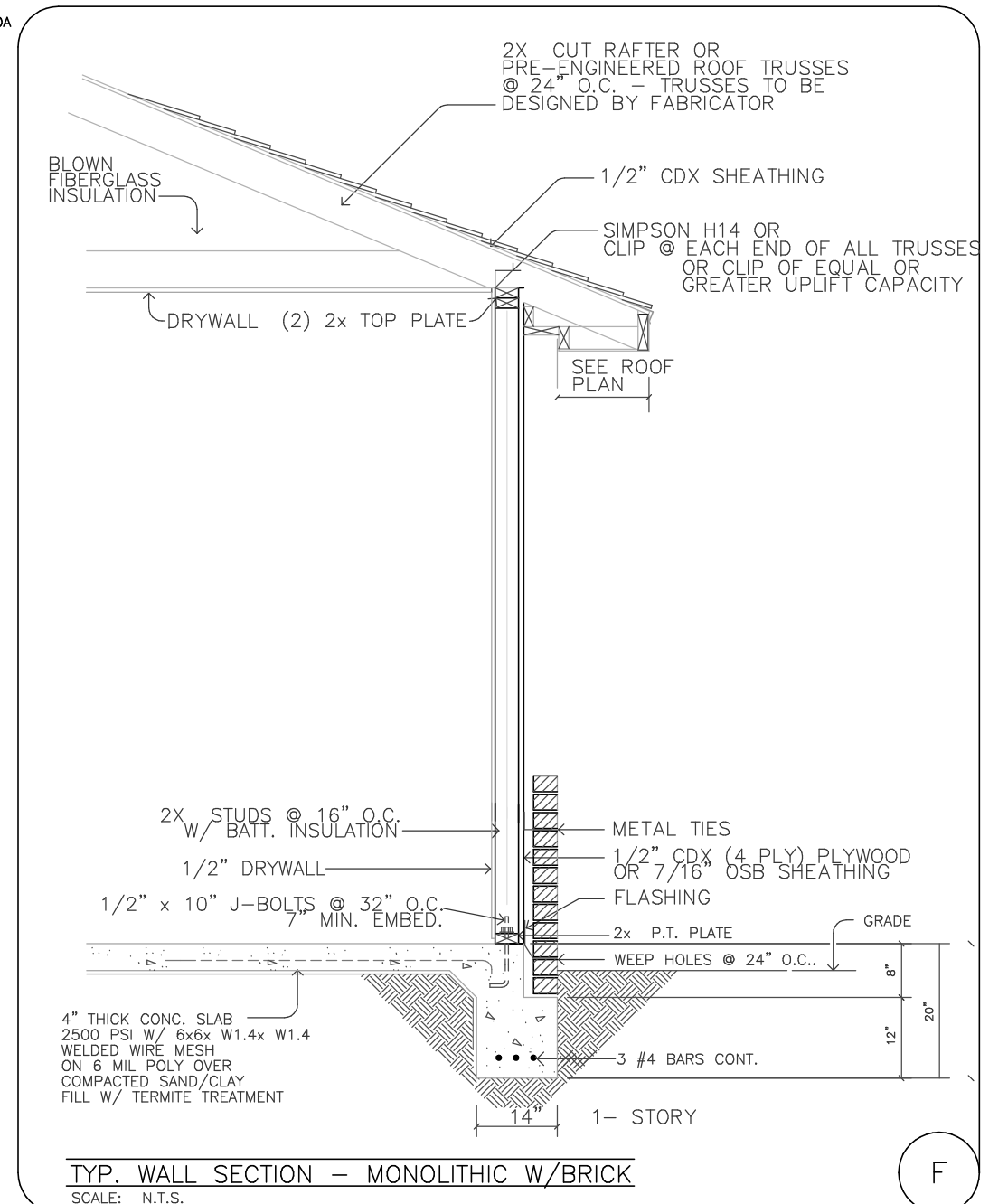
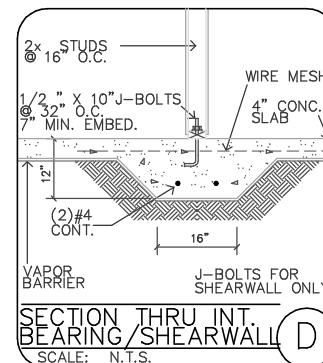
HEADER STUDS.

WIDTH AND LOADS, UNDER FOUNDATION.

ACCEPTABLE ENGINEERING DESIGNS.

FRAMING NOTES: THESE NOTES SHALL SUPERSEDE ALL OTHERS

- ROOF SHEATHING: 5/8" CDX - NAIL 8d RING SHANK FULL HEAD- 3" PERIM./4" FIELD.
- ROOF RAFTERS: 2x6 - 24" O.C. (MAX. UNBRACED HORIZONTAL SPAN - 11'-6")  
2x8 - 24" O.C. (MAX. UNBRACED HORIZONTAL SPAN - 12'-6")  
OR PRE-ENGINEERED ROOF TRUSSES.
- WALL FRAMING: 2x6 or 2x4 @ 16" O.C. - LODGE POLE MAY BE USED FOR STUD FRAMING. SYP SHALL BE USED FOR TOP AND BOTTOM PLATES.
- SECURE ROOF RAFTERS TO TOP PLATE WITH SIMPSON H14 MST12/16. CLIPS OF EQUAL OR GREATER UPLIFT CAPACITY MAY BE SUBSTITUTED. SECURE RIDGE BEAM TO EACH RAFTER WITH SIMPSON ST22 - 16 GA.
- STRAP TIES: SIMPSON SP1 AND SP2 OR SIMPSON LSTA21 - 20 GA. - (16) 10d COMMON. TIE SPACING: 32" O.C.
- TOP PLATE NAILING: 24" O.C. - USE 16d COMMON. USP CONNECTORS MAY BE USED IN LIEU OF SIMPSON.
- IF USED, RUN 5/8" ALL THREAD RODS ON 64" CENTERS. PLACE ALL THREAD RODS ON EACH SIDE OF BEARING OPENINGS GREATER THAN 4'-0". IF USED DELETE #6 ABOVE.
- ALL COLUMN TO BEAM CONNECTIONS SHALL BE SIMPSON AC OR CC/ECC STRAPPED CONNECTIONS ARE NOT ALLOWED.
- WINDSTORM PANELS MY BE USED FOR WALL SHEATHING. IF USED THE PANEL MUST GO FROM PLATE TO PLATE AND COVER THE ENTIRE PLATE. IF USED DELETE #6 ABOVE.



WHERE THE BUILDING OFFICIAL REQUIRES FINAL CERTIFICATION OF COMPLETION FROM THE ENGINEER, THE FOLLOWING APPLIES:

- 3 INSPECTIONS ARE REQUIRED, FOUNDATION/FLOOR FRAMING, NAIL-OFF, AND DRY-IN FRAMING. DRY-IN INSPECTION SHALL OCCUR BEFORE INSULATING & SHEET ROCK INSTALLATION.
- 48 HOURS NOTICE, IN WRITING/VIA FAX OR E-MAIL, SHALL BE GIVEN TO THE ENGINEER.
- THESE INSPECTIONS SHALL BE BILLED AT \$275.00 EACH.

ELLIOTT W. ALLEN, P.E.  
 Florida Registration Number 42137  
 Florida CA Number 7066

MICHAEL D. NEWELL, P.E.  
 Florida Registration Number 41126  
 Florida CA Number 7066

**Gulf Coast Engineering**  
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 eallen18@cox.net mdnewell@cox.net

ENGINEER'S SEAL

NO.	DWG.	ISSUE	DATE

OCOS TRAINING CENTER RESTROOMS  
 700 CHAPPIE JAMES STREET, NW  
 CRESTVIEW, FL 32536

CONTRACTOR:

DRAWING DESCRIPTION

JOB #

DRAWN BY:

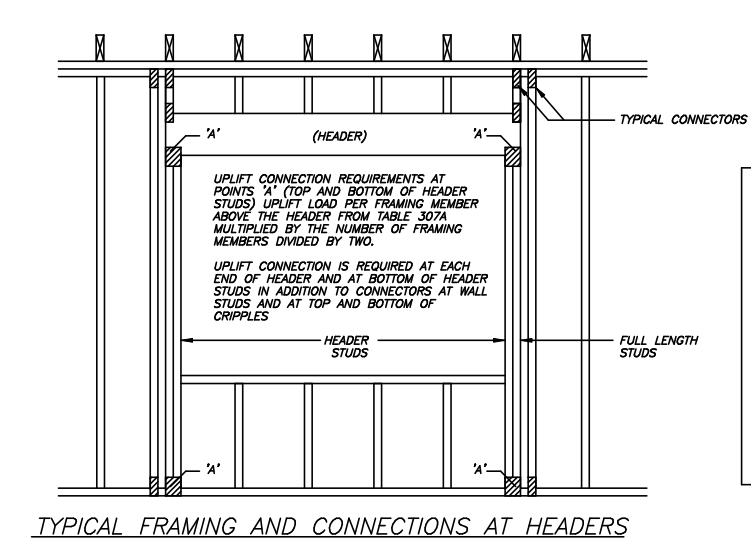
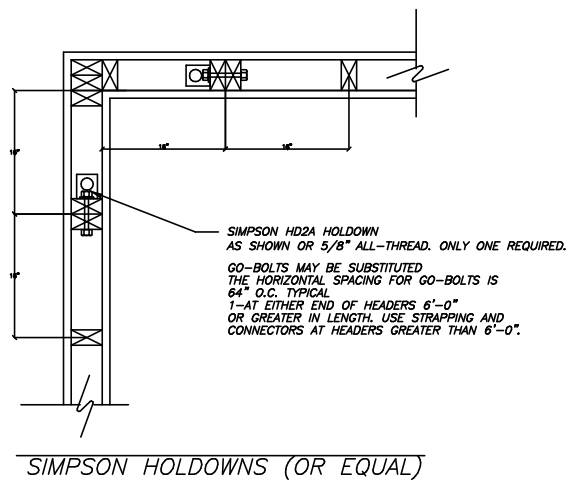
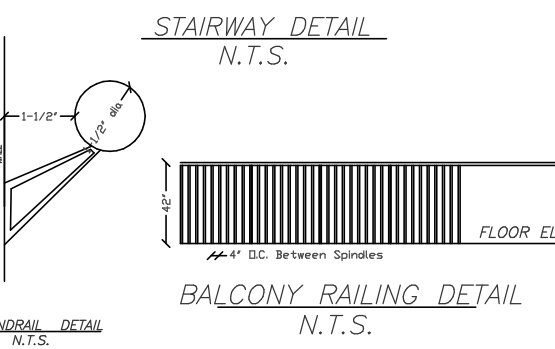
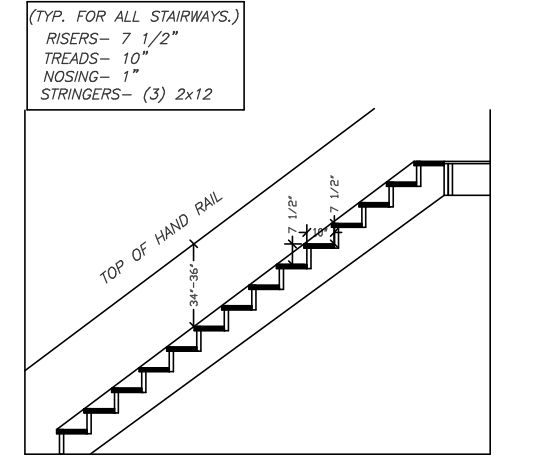
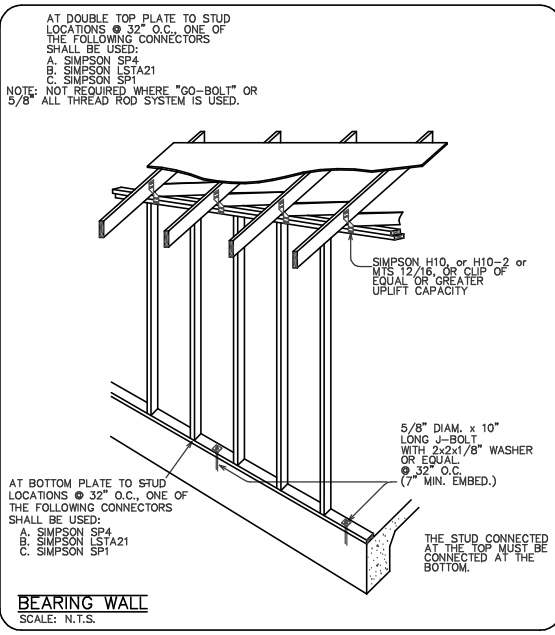
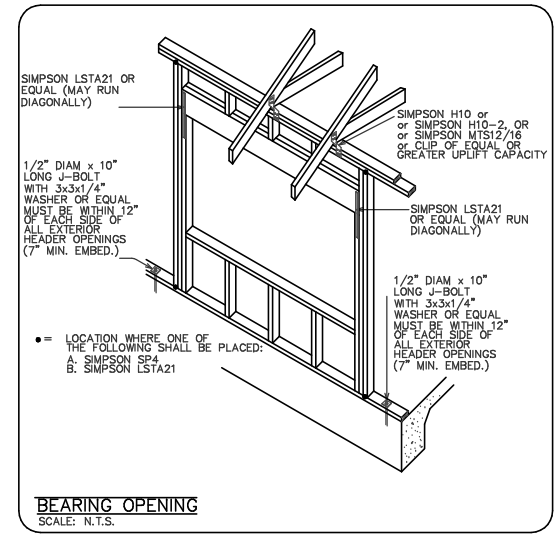
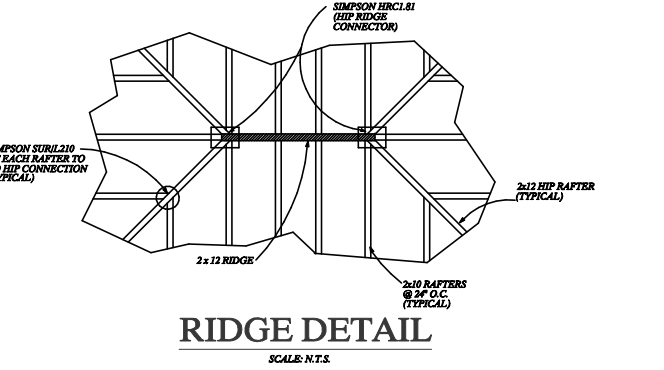
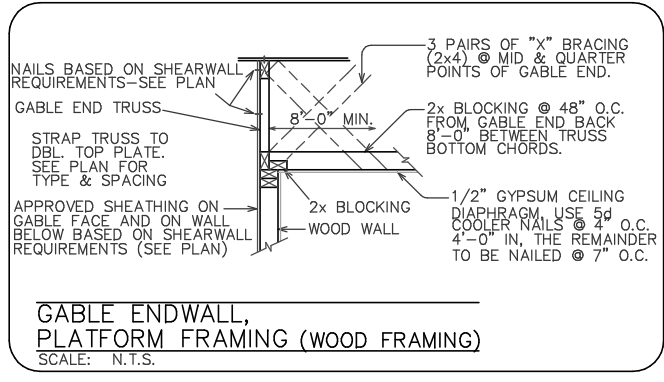
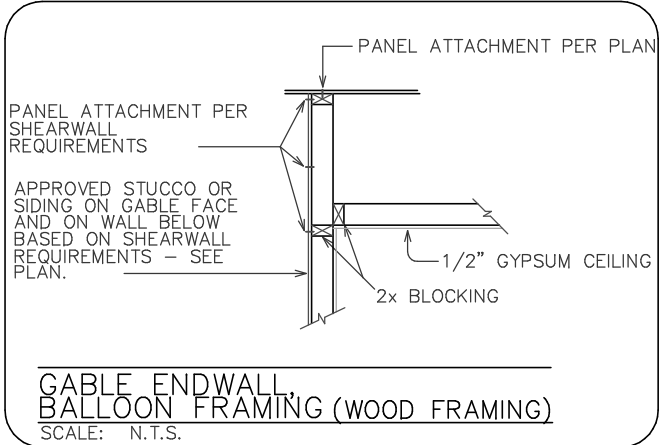
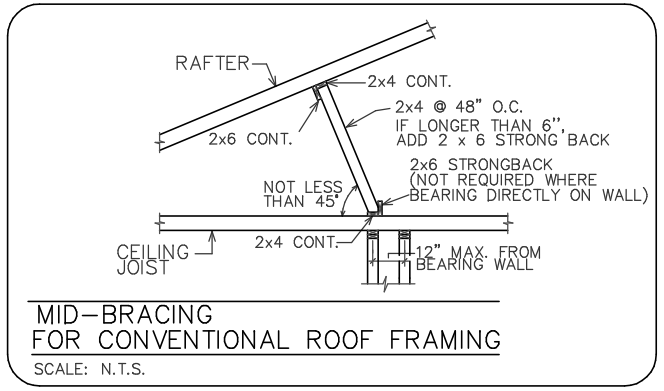
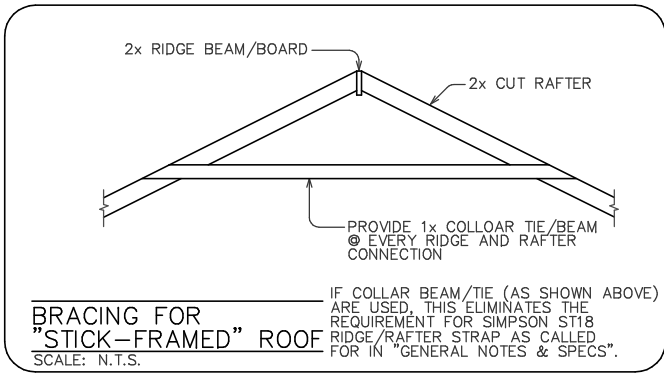
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DATE: 10/12/2022

SCALE: NONE

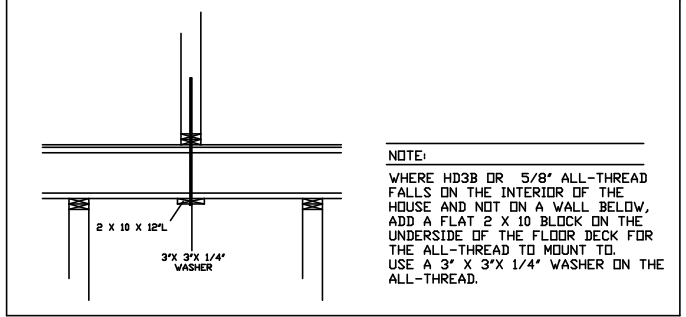
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**S-1**



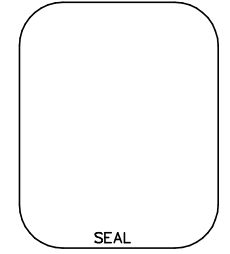
MINIMUM WALL AND HEADER STUD REQUIREMENTS		MAXIMUM HEADER SPAN (FEET)					
UNSUPPORTED WALL HG'T	STUD SPACING	NUMBER OF FULL-LENGTH STUDS AT END OF HEADER					
		3'	6'	9'	12'	15'	18'
10' OR LESS	12"	1	2	2	2	2	2
	16"	2	2	3	3	3	3
	24"	2	2	3	3	3	3
GREATER THAN 10'	12"	1	2	2	2	3	3
	16"	2	2	3	3	4	4
	24"	2	2	3	4	5	5

WALL FRAMING SCHEDULE			
VERTICAL WALL HEIGHT	SIZE	PLATE MAT'L	TOP PLATE NAILING
8' TO 9'	2X4 @ 16" O.C.	S.Y.P.	16" O.C.
10' TO 11'	2X6 @ 16" O.C.	S.Y.P.	12" O.C.
12' TO 14'	2X6 @ 12" O.C.	S.Y.P.	9" O.C.



WHILE EVERY ATTEMPT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE AUTHOR CANNOT GAURANTEE AGAINST HUMAN ERROR. THE CONTRACTOR ON THE JOB SITE MUST CHECK ALL DIMENSIONS AND OTHER DETAILS FOR ACCURACY BEFORE AND DURING CONSTRUCTION AND BE RESPONSIBLE FOR SAME.

GULF COAST ENGINEERING  
STRUCTURAL DETAIL SHEETS  
ARE COPYRIGHTED. ANY UNAUTHORIZED USE OR REPRODUCTION IS EXPRESSLY PROHIBITED, AND SHALL BE AN INFRINGEMENT OF THE FEDERAL COPYRIGHT ACT.



NO.	Dwg. Issue	Date

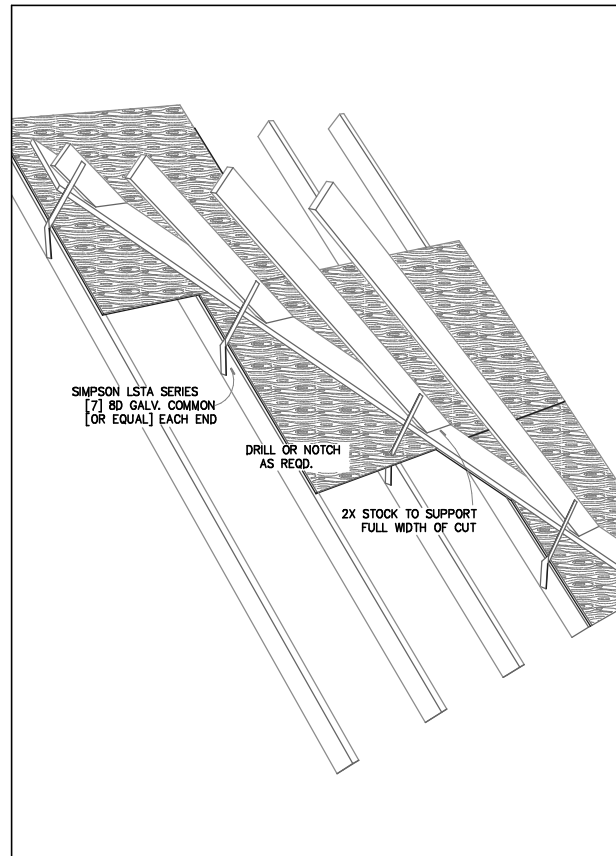
OCSO TRAINING CENTER RESTROOMS  
700 CHAPPIE JAMES STREET, NW  
CRESTVIEW, FL 32536

CONTRACTOR:

DRAWING DESCRIPTION

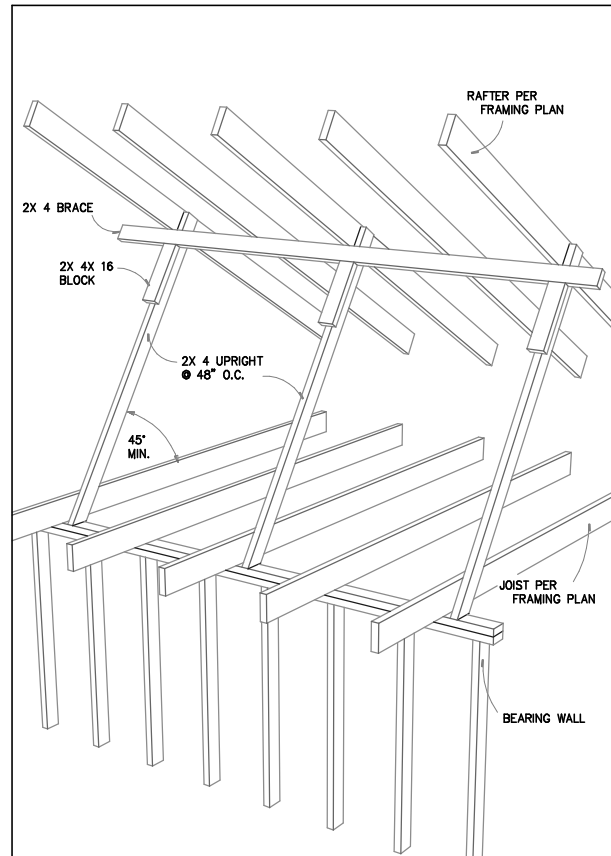
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DATE: 10/12/2022  
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DRAWING NO.





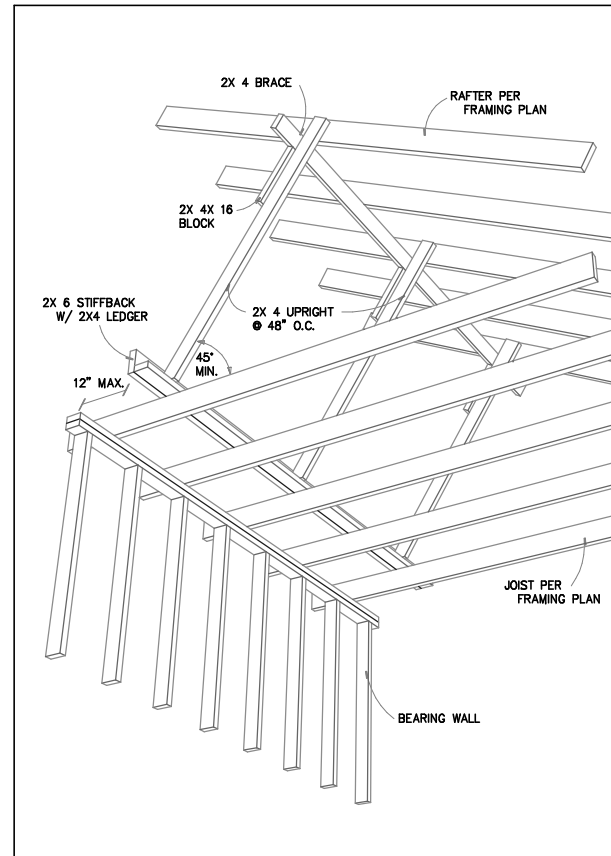
LAY ON VALLEY

A



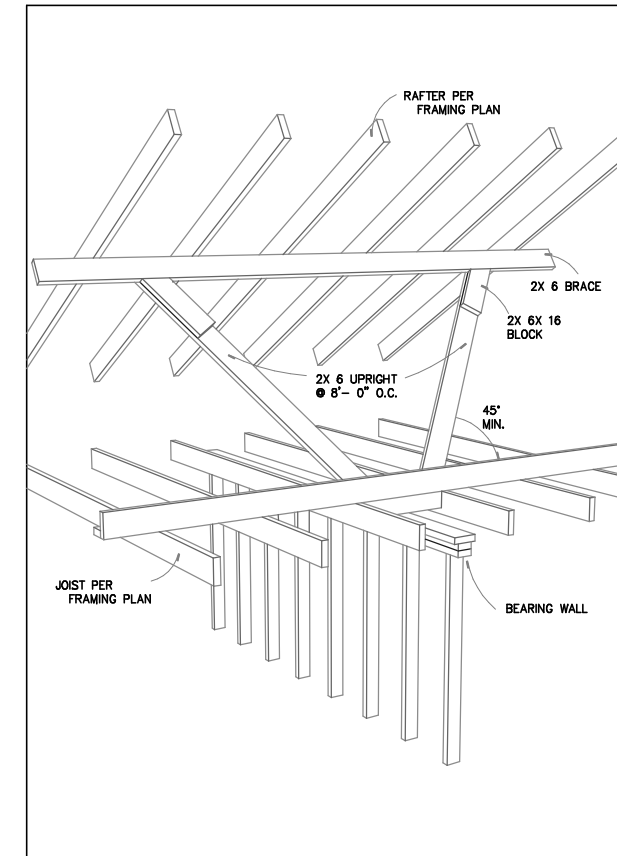
RAFTER MID BRACING

B



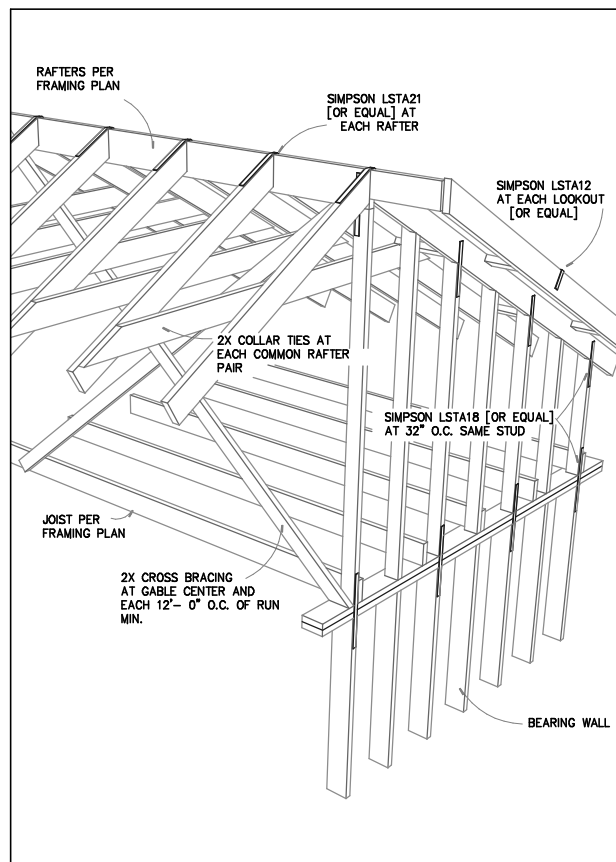
RAFTER MID BRACING

C



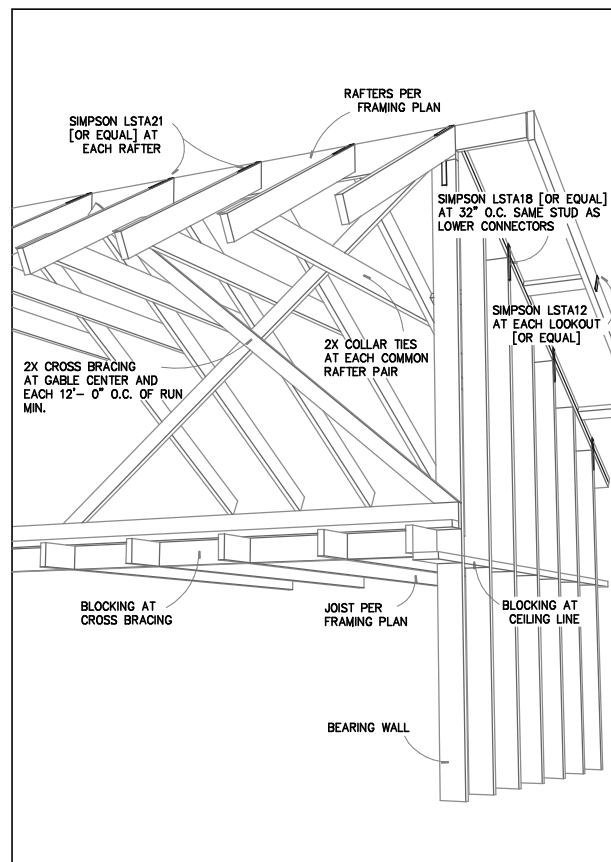
RAFTER MID BRACING

D



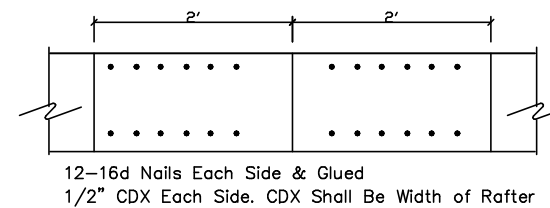
GABLE END PLATFORM FRAME

E



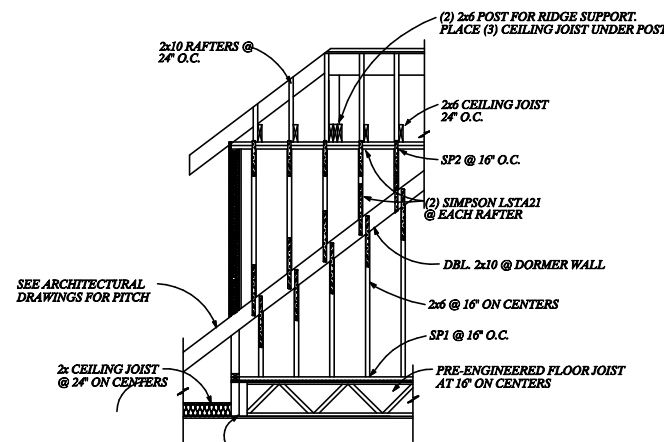
GABLE END BALOON FRAME

F



RAFTER SPLICE DETAIL

1. Where a rafter tail splice occurs the splice shall be twice the length of the rafter tail. The nailing pattern shall be 12-12d nails spaced
2. This will allow the hurrican clip to be applied to the rafter tail.



TYPICAL DORMER WALL SECTION  
SCALE: N.T.S.

Floor System Girder Attachments Shall Be Simpson

SHEARWALL NOTES ON JOISTS

1. Place 1/2" CDX each side of wall.
2. Nail at 3/6 with 8d common nails.
3. Place double joist under each shear wall.
4. Tie each stud to joists below with Simpson LSTA36.
5. Place a Simpson Drag Strut Connector at all header to shear wall connections.

SHEARWALL NOTES ON CONCRETE

1. Place 1/2" CDX each side of wall.
2. Nail at 3/6 with 8d common nails.
3. Place 1/2" Anchor bolts in shear wall @ 48" O.C.
4. Place a HD3B OR 5/8" all thread rod at each end of each wall
5. Place a Simpson Drag Strut Connector at all header to shear wall connections.

FLOOR TRUSS NOTES:

1. Live Load = 50 psf
  2. Defl/max = Length/480
  3. Interior Wall Load = 750 plf
- All truss drawings, including floor and roof truss systems, are part of these drawings and must be submitted with these drawings for permit. Truss drawings must be submitted to the engineer of record for review to verify loads on foundation. Do not place concrete until loads are verified.

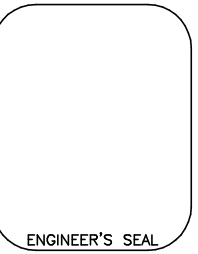
1000# PER SQ. FT. TILE ROOF  
5/8" SHEATHING ,TRUSSES @ 16" O.C.

TRUSS ENGINEER:

ALLOW FOR A 2000#  
POINT LOAD ON FRONT  
BALCONY COLUMNS



COMMERCIAL AND COMMERCIAL  
P.O. Box 4915  
Fort Walton Beach, Florida 32549  
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eallen18@cox.net mdnewell@cox.net



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S-3