

Drawing Index

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G-1 General & Structural Notes

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Building Type: Single Family Residence unsprinkled

C-1 Cover Page A-1 1st Floor Framing

D-1 Typical Details

Building Data

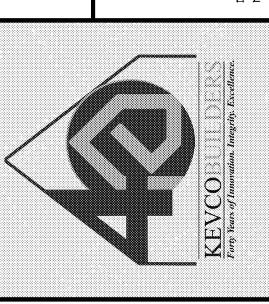
Occupancy Classification: Residential Group R-3

Construction Type: V

Number of Stories: 1

Building Height: 13'-2"

Area Tabulation: Existing 1104 sqft New Area 313 sqft Living 1417 sqft Total 1417 sqft





INTIRIOR PREHUNG HOLLOW CORE DOOR OPENINGS

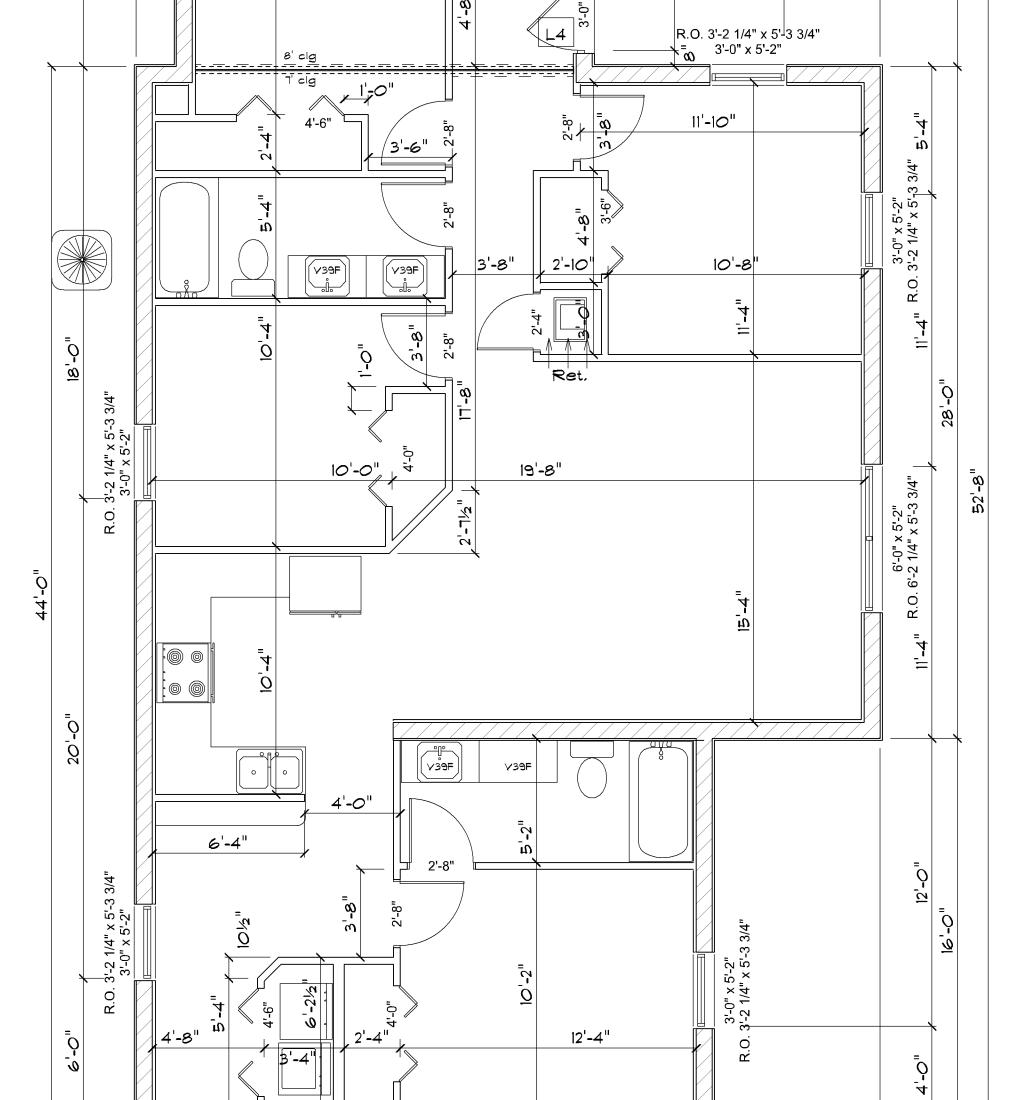
6' 8" HEIGHT	82-1/2"			
8' 0" HEIGHT	98-1/2"			
	жения по при на при			
DOOR	OPENING			
SIZES	WIDTH	2		
1' 6"	20"	de a	ω 9·	
1' 8"	22"			
2' 0"	26"			
2' 4"	30"			
2' 6"	32"			
2' 8"	34"	gj.		:
3' 0"	38"	egipta		
	BALL	The state of the s		
	CATCH	T-AST		ž.,
4' 0"	50"	51"		
5'0"	62"	63"		
6' 0''	74"	75"		

INTERIOR PREHUNG SOLID CORE DOOR OPENING

6' 8" HEIGHT	IN SWING: 83'	OUT SWING: 82-1/2"
8' 0" HEIGHT	IN SWING: 99'	' OUTSWING: 98-1/2"
DOOR	OPENING	
SIZES	WIDTH	
2' 8"	34"	

BIFOLD OPENINGS

6' 8" HEIGHT	82"
8' 0" HEIGHT	98"
	- - - -
DOOR	OPENING
SIZES	WIDTH
1' 6"	19-1/2"
1' 8"	21-1/2"
2' 0"	25-1/2"
2' 4"	29-1/2"
2' 6"	31-1/2"
2' 8''	33-1/2"
3' 0"	37-1/2"
4' 0"	49-1/2"
5' 0''	61-1/2"
6' 0''	73-1/2"



24'-0"

31'-0"

31'-0"

17'-4"

10'-10"

R.O. 3'-2 1/4" x 5'-3 3/4" 3'-0" x 5'-2"

4'-41/2"

12'-11½"

12'-0"

4'-0"

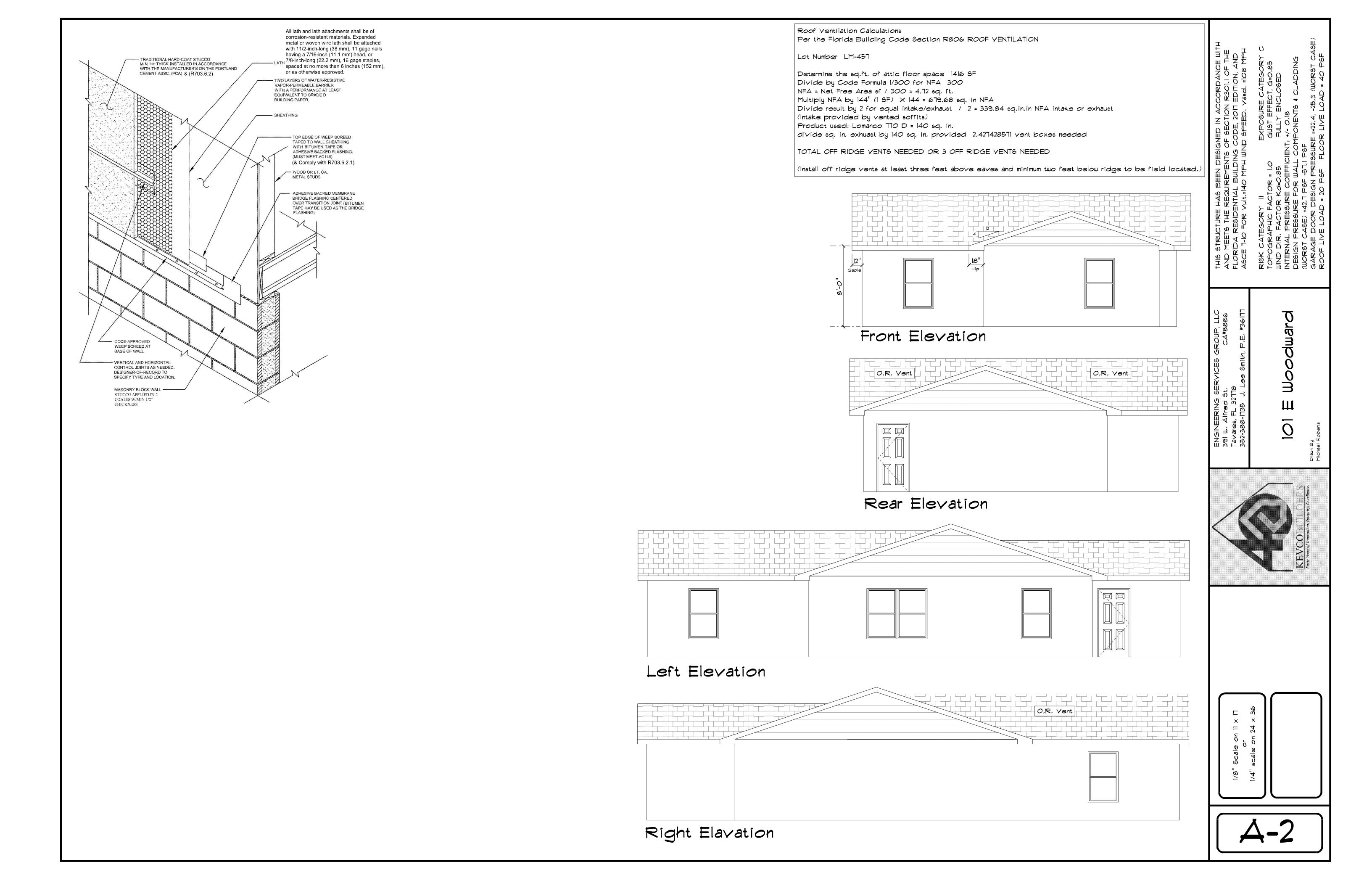
7'-0"

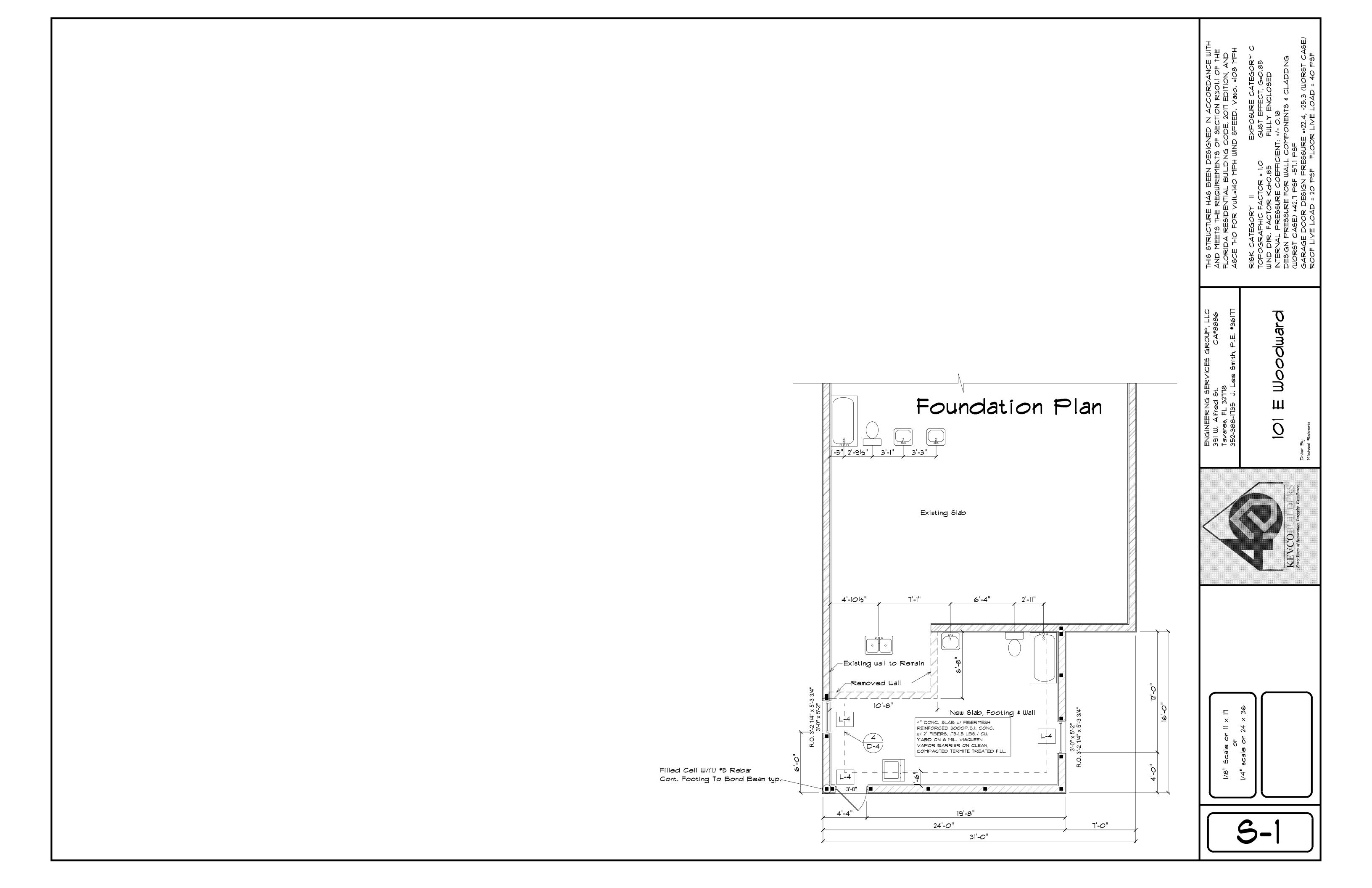
Woodward

Щ

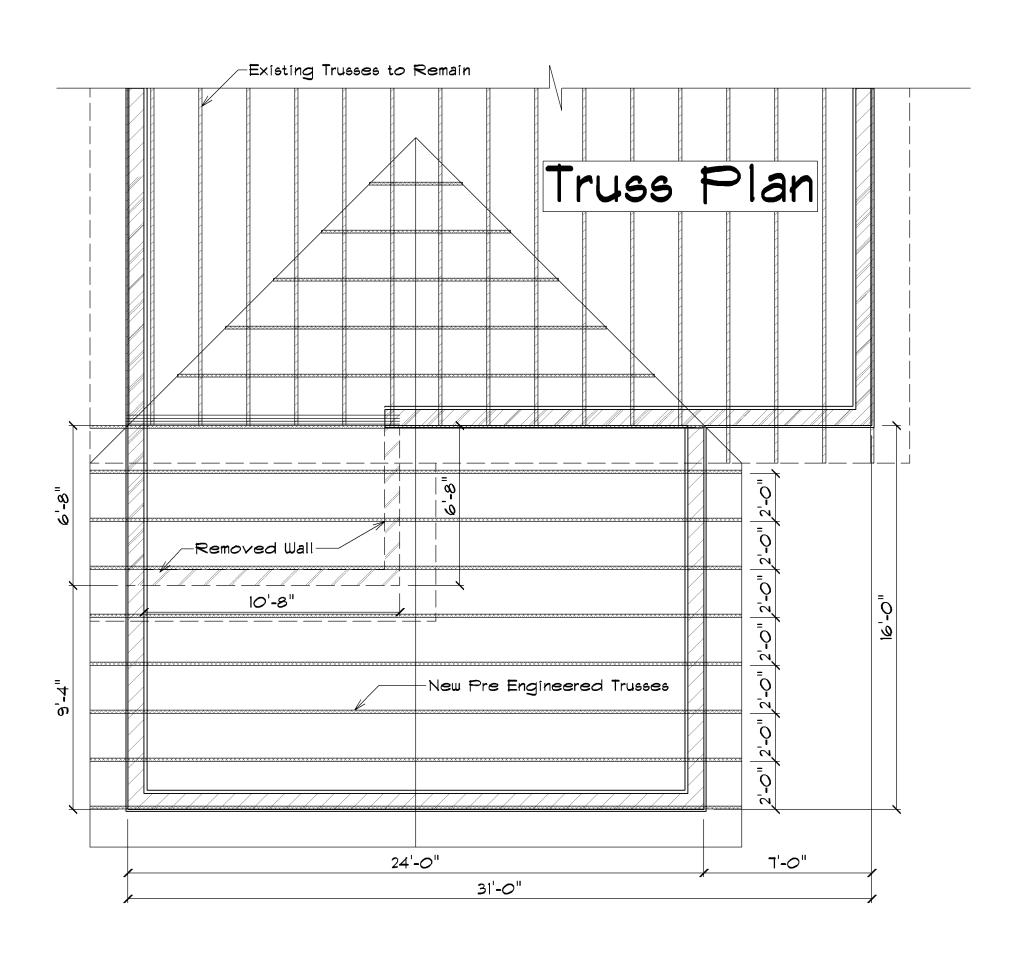
Floorplan

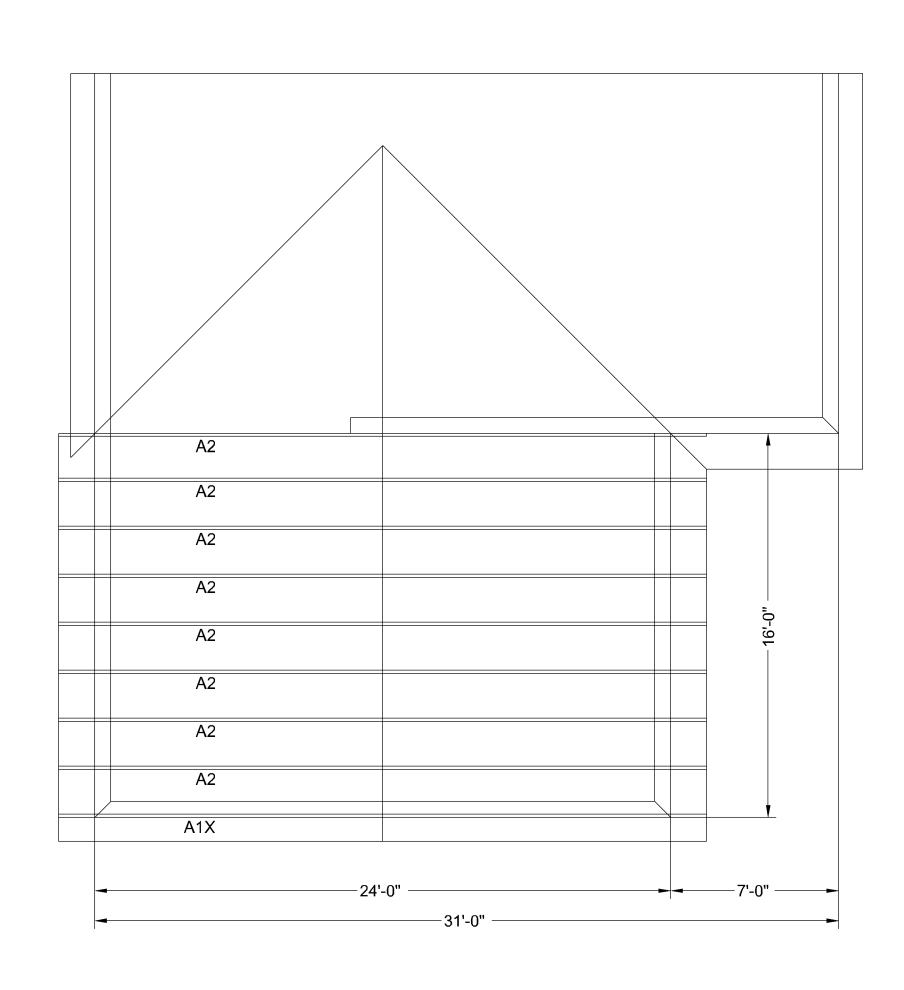
Area Tabulation
Existing 1104 sqft
New Area 313 sqft
Living 1417 sqft
Total 1417 sqft



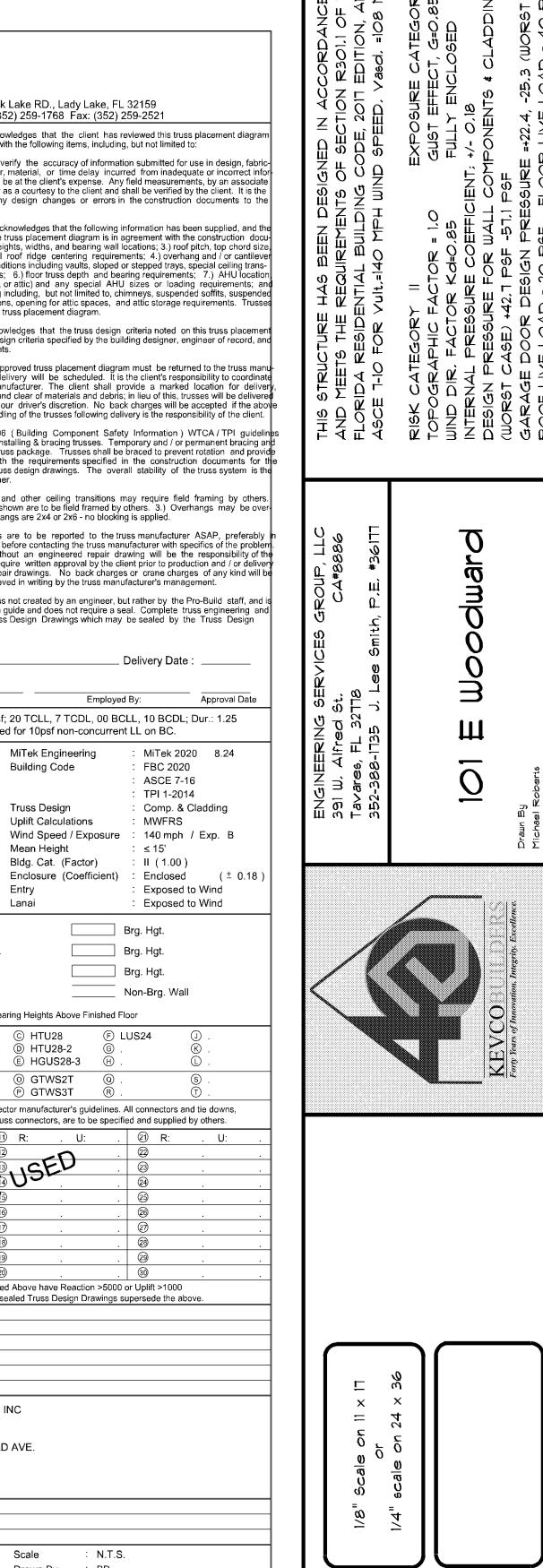


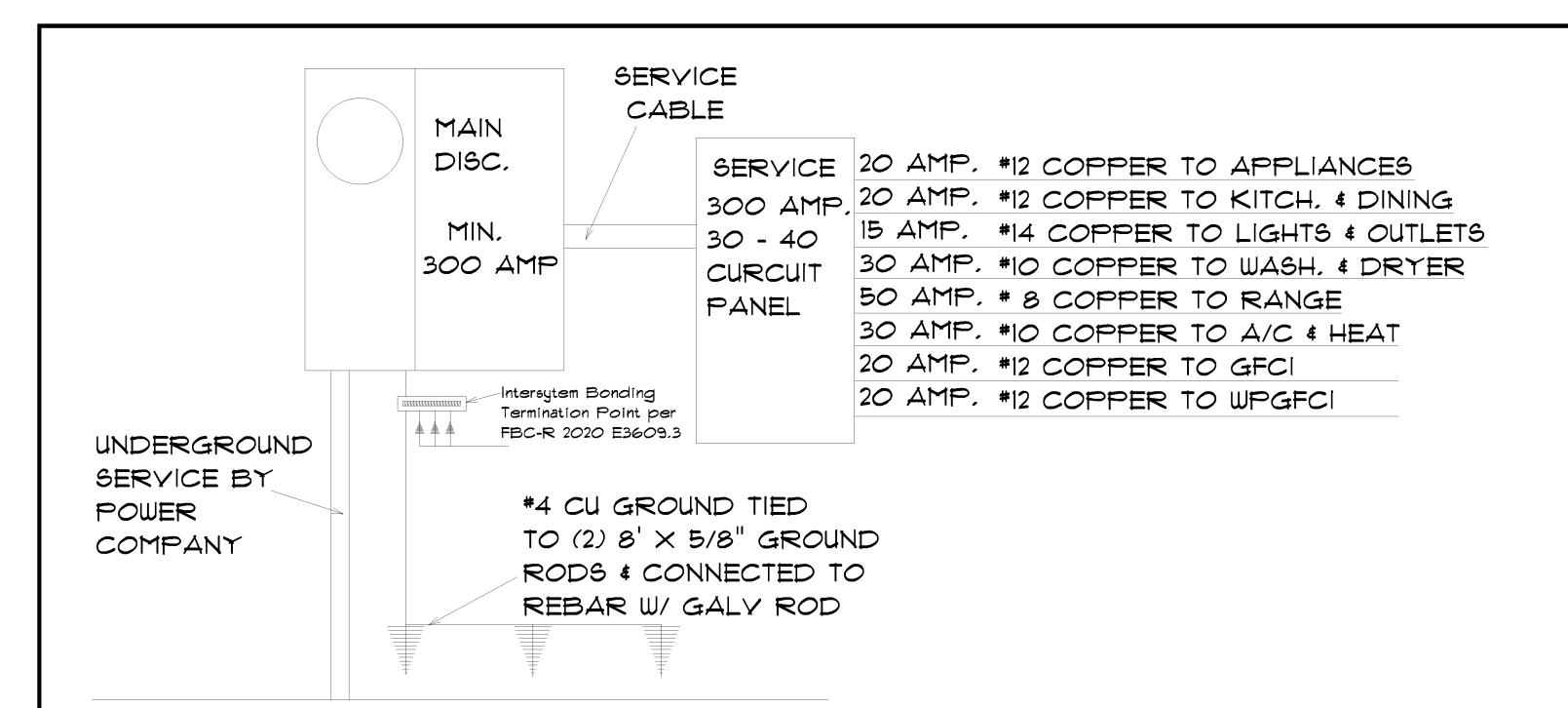
Unless otherwise noted Use 3 truss to framing \$1 truss to C.M.U.
for double girders x 2 straps
for triple girders x 3 straps
See Connector Schedule





	712 Duc Phone: (3	k Lake RD., Lady Lake, FL 352) 259-1768 Fax: (352) 2	. 32159 259-2521
	mation supplied from the client will of Pro-Build, are performed solely	with the following items, including verify the accuracy of informat ir, material, or time delay incur be at the client's expense. Any as a courtesy to the client and s	g, but not limited to:
	information shown or noted on the ments: 1.) dimensions; 2.) wall he and heel height, and any special lengths and end cut; 5.) ceiling con itions and centering requirement placement (suspended, recessed 8.) any other special conditioning	e truss placement diagram is in a eights, widths, and bearing wall I Il roof ridge centering requiren ditions including vaults, sloped o s; 6.) floor truss depth and bea , or attic) and any special AHL g including, but not limited to, ch ons, opening for attic spaces, ar	nformation has been supplied, and the agreement with the construction dococations; 3.) roof pitch, top chord sizenents; 4.) overhang and / or cantilever stepped trays, special ceiling transaring requirements; 7.) AHU location of sizes or loading requirements; a simneys, suspended soffits, suspendent attic storage requirements. Trussaring requirements.
	C.) Design Criteria: The client acknowledge	owledges that the truss design sign criteria specified by the buil	criteria noted on this truss placeme Iding designer, engineer of record, a
CLIENT APPROVAL	delivery dates with the truss ma which must be accessible, level a in the best available location at	delivery will be scheduled. It is anufacturer. The client shall pland clear of materials and debris our driver's discretion. No bac	m must be returned to the truss man the client's responsibility to coordina rovide a marked location for deliven it, in lieu of this, trusses will be deliven the charges will be accepted if the ab- tivery is the responsibility of the client
CLIENT	E.) Installation & Bracing: BCSI 200 shall be followed when handling, in blocking is not included in the translateral stability in accordance wi	of (Building Component Safet nstalling & bracing trusses. Ten russ package. Trusses shall be th the requirements specified i uss design drawings. The over	
	F.) Field framing: 1.) Tray ceilings	and other ceiling transitions r shown are to be field framed by	others. 3.) Overhangs may be ov
	Any field modifications made wi client. Repair information may re of any necessary material or rep accepted, unless specifically appro	before contacting the truss mar thout an engineered repair dr equire written approval by the clip pair drawings. No back charge poved in writing by the truss manu	nufacturer with specifics of the problawing will be the responsibility of ient prior to production and / or delives or crane charges of any kind will ufacturer's management.
	H.) This Truss Placement Diagram wa purely to be used as an installation analysis can be found on the Trus Engineer.	r guide and does not require a se	eal. Complete truss engineering ar
	*** Approved By :		Delivery Date :
		Employer	CLL, 10 BCDL, Dur.: 1.25
TYPICAL DESIGN CRITERIA	T.C. Pitch : 6 / 12 B.C. Pitch : 0 / 12 T.C. Size : 2 x 4 Heel Hgt. : 4-3 Bearing : 8" Cantilever : NA Overhang : 18" O.H. Cut : Plumb Spacing : 24" O.C. Lumber : SYP	ed for 10psf non-concurren MiTek Engineering Building Code Truss Design Uplift Calculations Wind Speed / Exposure Mean Height Bldg. Cat. (Factor) Enclosure (Coefficient) Entry Lanai	: MiTek 2020 8.24 : FBC 2020 : ASCE 7-16 : TPI 1-2014 : Comp. & Cladding : MWFRS : 140 mph / Exp. B : ≤ 15' : II (1.00)
BRG. SCHEDULE	8'-0" Brg. Hgt. 10'-0" Brg. Hgt. Brg. Hgt. Brg. Hgt. All Be		Brg. Hgt. Brg. Hgt. Brg. Hgt. Non-Brg. Wall
CONNECTORS	Simpson Strong-Tie TYP. HTU26 A HTU26-2 B HGUS26-3 W HTHJ24-18 N HJC26	© HTU28	() .
CON	Installation shall be per conne other than truss to girder tr	ector manufacturer's guidelines. uss connectors, are to be specif	All connectors and tie downs,
	2	① R: . U: .	② R: . U: . ②
_	'	の一个レ	
MMARY	4		② . ② .
FT SUMMARY	(4) (5) (6)		23
UPLIFT SUMMARY	4 5 6 7 		3 . 3 . 3 .
UPLIFT SUMMARY	(4) (5) (6) (7) (8) (9) (10) (10) (10) (11) (11) (12) (13) (14) (15) (16) (17) (17) (18) (18) (19) (19) (19) (19) (19) (19) (19) (19		3
	(4) (5) (6) (7) (7) (8) (9) (10) (9) (10) (10) (10) (10) (10) (10) (10) (10	B	3
NOTES UPLIFT SUMMARY	(4) (5) (6) (7) (8) (9) (10) (10) (10) (10) (10) (10) (10) (10	B	3
	(4) (5) (6) (7) (7) (8) (9) (10) (9) (10) (10) (10) (10) (10) (10) (10) (10	B	3
	4	EB	3
. NOTES	(4) (5) (6) (7) (8) (9) (10) (10) (10) (10) (10) (10) (10) (10	EB	②
CLIENT INFO. NOTES	(4) (5) (6) (7) (8) (9) (10) (10) (10) (10) (10) (10) (10) (10	EB	②





ELECTRICAL RISER

NOTE: WIRING TO MEET N.E.C. & ALAPPLICABLE LOCAL CODES

IN ALL AREAS SPECIFIED IN NEC 2017 210.52 & FBC-R 2020 6th edition, ALL 125V 15 & 20 AMP RECEPTICALS SHALL BE LISTED TAMPER RESISTANT RECEPTICALS

FBC-R 2020 E3902.16 Arc-fault circuit-interrupter protection. Branch circuits that supply 120-volt, single-phase, 15- and 20-ampere outlets installed in kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sun-rooms, recreations rooms, closets, hallways, laundry areas and similar

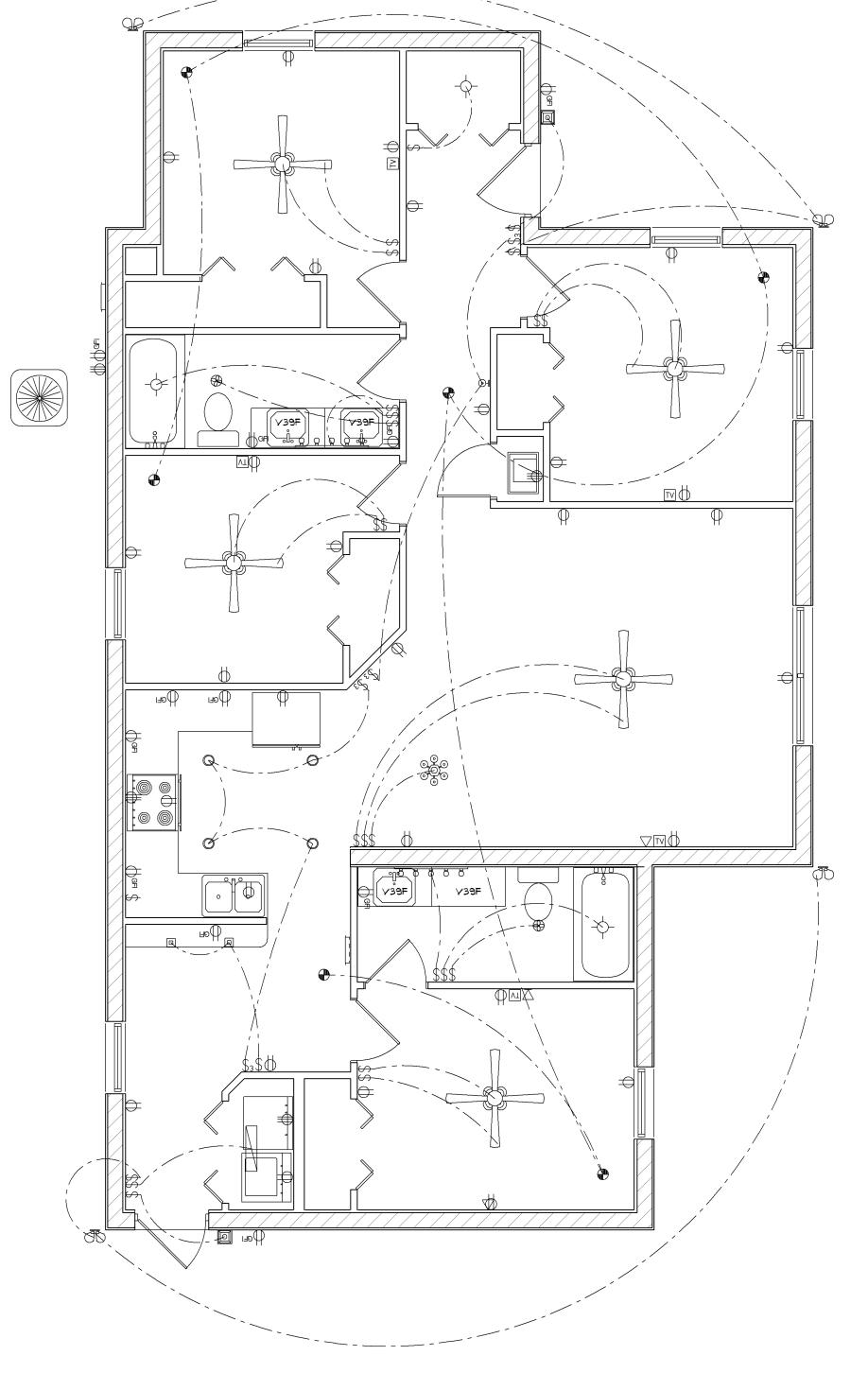
USE C.M. DETECTORS WHERE REQIRED 4 STANDARD SMOKE DETECTOR IN ALL OTHER AREAS REQUIRED

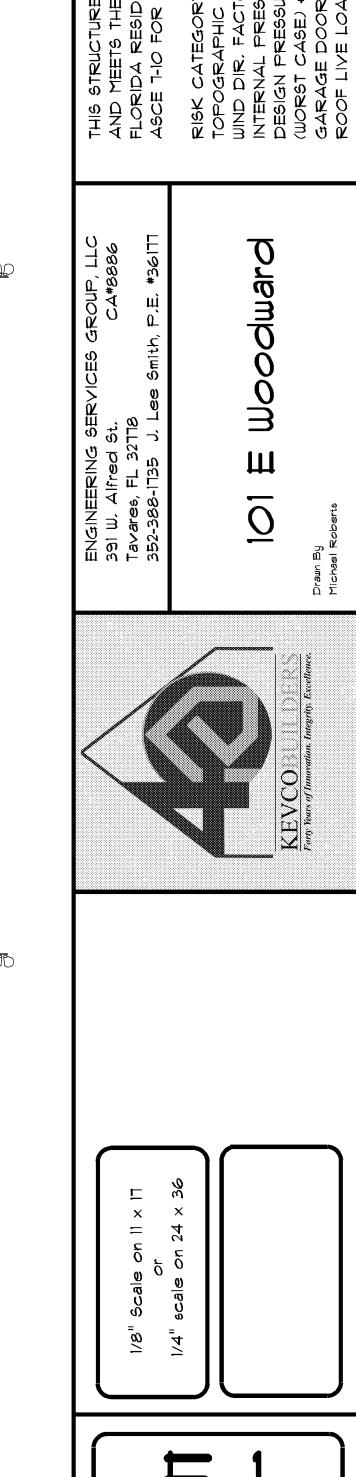
All GFCI to Comply with FBCR E3703.3

"A Min of (1) 20A Curcuit Shall Be
Provided for Recepticals Located
in \$\pi\$ only serve the Laundry Area"

All GFCI & WPGFCI to comply with FBC-R 2020 E3901.9 "Curcuit Seperation"

ELECTRICAL	COUNT	SYMBOL
ceiling fan spotlights 2	5	
chandelier	1	<u>රේ</u> ල ලේල
double spotlight	4	QP
fluorescent fixture	1	
pendant cube	2	
pot light	4	0
vanity bar light	2	<u> </u>
wall mount 2	2	
wall sconce	1	<u>©</u>
electrical panel	2	11
cable ty outlet	5	TV
fan	2	₩
light	3	
outlet	30	Ф
outlet 220v	4	
outlet gfi	11	Фан
smoke detector	6	•
switch	25	\$
switch 3 way	4	\$3
telephone	3	∇





DESIGN LOADS:

(THESE DESIGN LOADS BELOW ARE ALSO INTENDED TO SERVE AS INSTRUCTIONS TO THE DELEGATED (TRUSS) ENGINEER FOR THIS PROJECT).

ROOF TRUSSES: LIVE LOAD=20 PSF, DEAD LOAD=7 PSF (TC) + 10 PSF (BC), (SHINGLES) 15 PSF (BC), (TILE)

ATTIC FLOOR: 20 PSF

FLOOR TRUSSES: LIVE LOAD=40 PSF, DEAD LOAD=10 PSF (TC) + 5 PSF (BC),

DESIGN WIND LOADS IN ACCORDANCE WITH SECTION R301 OF THE FLORIDA RESIDENTIAL BUILDING CODE 2020, 7th EDITION, AND ASCE 7-16:
WIND SPEED: Yult= 140 MPH, Yasd= 108 MPH
RISK CATEGORY II
EXPOSURE CATEGORY C

FULLY ENCLOSED

TOPOGRAPHIC FACTOR = 1.0

WIND DIR, FACTOR Kd = 0.85

GUST EFFECT, G = 0.85

DESIGN PRESSURES FOR WALL COMPONENTS AND CLADDING (WORST CASE) = +25.6 PSF, -33.9 PSF

GARAGE DOOR DESIGN PRESSURES (WORST CASE) +22.4 PSF, -25.3 PSF

DESIGN PRESSURES FOR ROOF COMPONENTS (WORST CASE)= +27.0 PSF, -59.3 PSF

NOTE TO DELEGATED ENGINEER:

PREFABRICATED WOOD JOISTS AND TRUSSES FOR ROOF ASSEMBLIES AND FLOOR SYSTEMS (IF APPLICABLE) SHALL BE DESIGNED AND MANUFACTURED IN CONFORMANCE TO ASTM D5055-13, ANSI/TPI-2014 AND BCSI (WTCA)-2013 AND SHALL BE CERTIFIED BY A FLORIDA REGISTERED ENGINEER AS EMPLOYED BY THE TRUSS MANUFACTURER (DELEGATED ENGINEER). ALL ROOF AND FLOOR TRUSSES SHALL BE DESIGNED TO RESIST THE WORST CASE LOAD COMBINATION WHICH RESULTS IN THE MAXIMUM STRESSES BEING PLACED ON THAT COMPONE NT. GALVANIZED SEAT-PLATES ARE TO BE ATTACHED TO EACH TRUSS AS A PROTECTIVE BARRIER, WHERE THEY BEAR ON CONCRETE OR CMU. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD PRIOR TO FABRICATION TO ENSURE CONFORMANCE TO THE DESIGN INTENT OF THE PROJECT.

SOIL:

FOOTINGS HAVE BEEN DESIGNED FOR 2000 PSF SOIL BEARING CAPACITY.

ANY LESSER BEARING SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER OR THE CONTRACTOR.

WHERE THE SOIL BEARING CAPACITY IS NOT KNOWN OR IS IN QUESTION, THE SOIL SHALL

BE TESTED BY A QUALIFIED GEOTECHNICAL ENGINEER, WHO SHALL ESTABLISH THE

BEARING CAPACITY. SAID ENGINEER SHALL CO-ORDINATE WITH STRUCTURAL ENGINEER

WHEN NECESSARY. COMPACTED SOILS SHALL BE TESTED TO A MINIMUM OF 95%

MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557.

SLAB ON GRADE:

SLAB SHALL BE OVER .006" POLYETHYLENE VAPOR/RADON BARRIER SEALED ON TERMITE-TREATED SOIL WHICH HAS BEEN COMPACTED TO 95% MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D 1557, OR UNDISTURBED SOIL. SLABS SHALL BE AT A MINIMUM ELEVATION OF 8" ABOVE FINISHED GRADE. HIGHER ELEVATION MAY BE SUBSTITUTED OR REQUIRED. FOR #5 REBAR FOR 90 DEG HOOK, LENGTH SHALL BE 10", MIMINUM EMBEDMENT SHALL BE 1" AND BEND RADIUS SHALL BE 2".

REBAR EMBEDMENT AND

HOOK LENGTH / BEND RADIUS:

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER
OF RECORD PRIOR TO FABRICATION TO ENSURE
CONFORMANCE TO THE DESIGN INTENT OF THE PROJECT.
FOR #5 REBAR FOR 90 DEG HOOK, LENGTH SHALL BE 12DB
MIMINUM EMBEDMENT SHALL BE 7.5" AND BEND RADIUS SHALL BE 3.75"
PER ACI-318-14 TABLE 25.3.1

CONNECTORS

ALL METAL FASTENERS SHALL CONFORM TO ISANTA NER-272, AND SHALL BE GALVANIZED OR STAINLESS STEEL (WITHIN 3 MILES OF COASTAL SALT WATER AREAS), FASTENERS SHALL NOT BE OVER-DRIVEN BY MORE THAN 1/8".
FOR PRESSURE TREATED WOOD, USE GALVANIZED FASTENERS.

CONCRETE:

UNLESS OTHERWISE SPECIFIED, CAST IN PLACE CONCRETE SHALL HAVE A MINIUM COMPRESSIVE STRENGTH OF 3,000 PSI. CAST IN PLACE GROUT 2,000 PSI, PRECAST CONCRETE LINTELS 3000 PSI AND PRE-STRESSED CONCRETE LINTELS 5000 PSI, AT 28 DAYS. CONCRETE SHALL CONSIST OF I" MAX AGGREGATE CONCRETE MIX WITH SLUMP BETWEEN 6" AND T" AT THE TIME OF PLACEMENT. SEE ASTM AND ACI SPECIFICATIONS FOR ADDITIONAL CRITERIA.

CONSTRUCTION JOINTS ARE TO BE PROVIDED IN ACCORDANCE WITH THE DESIGN CODES AND GUIDELINES AT THE ENGINEER'S DIRECTION.

METHOD OF CONCRETE FORMING, PLACEMENT AND CURING SHALL BE CONDUCTED IN ACCORDANCE WITH ACI AND ASTM SPECIFICATIONS.

CMIL

ALL CONCRETE MASONRY UNITS SHALL BE STANDARD WEIGHT BLOCK CONFORMING TO ASTM C-90, TYPE II NON-MOISTURE CONTROLLED AND SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2,000 PSI.

PRECAST LINTELS:

ALL PRECAST LINTELS SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH PCI-MNL-116

MORTAR:

MORTAR SHALL BE EITHER TYPE M OR SIN ACCORDANCE WITH ASTM C 270 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

GROUT:

GROUT SHALL HAVE A MINIMUM COARSE AGGREGATE SIZE OF 3/8 INCH PLACED AT AN 8 TO 10 INCH SLUMP AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS, SEE ACI AND ASTM SPECIFICATIONS FOR ADDITIONAL CRITERIA,

REINFORCING STEEL:

REINFORCING STEEL SHALL BE A MINIMUM OF GRADE 40 AND SHALL CONFORM TO ASTM A615 UNLESS OTHERWISE NOTED.

ALL CONTINUOUS VERTICAL AND HORIZONTAL REBAR SHALL BE LAP SPLICED WHERE NECESSARY BY WIRING TOGETHER, LAP SPLICES SHALL BE CLASS B WITH A MINIMUM LAP OF 48 BAR DIAMETERS UNLESS SPECIFIED OTHERWISE.

IN LIEU OF 6"X 6" WELDED WIRE MESH OF 10 GAUGE STEEL, CONCRETE MAY BE REINFORCED WITH AN APPROVED FIBER MESH PRODUCT AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, FIBER MANUFACTURER MUST DOCUMENT COMPLIANCE WITH ASTM C-1116.

COVER FOR REINFORCING SHALL BE MEASURED FROM CENTER OF BAR AND BE AS FOLLOWS UNLESS NOTED OTHERWISE:

CAST IN PLACE CONCRETE AGAINST EARTH = 3"

CAST IN PLACE CONCRETE EXPOSED TO EXTERIOR = 2"

CAST IN PLACE CONCRETE NOT EXPOSED TO EXTERIOR = 1-1/2"

GROUT FILLED MASONRY = 1-1/2

PRE-CAST AND PRE-STRESSED GROUT FILLED LINTELS = 1-1/2"

STEEL REINFORCEMENT MAY NOT BE WELDED.

WELDED WIRE MESH:

WELDED WIRE MESH SHALL CONFORM TO ASTM A185

WELDED WIRE MESH SHALL BE SUPPLIED IN SHEETS NOT ROLLS.

ANCHOR BOLTS:

CAST IN PLACE ANCHOR BOLTS SHALL BE GALVANIZED AND MUST EXTEND

T" MINIMUM INTO CONCRETE UNLESS OTHERWISE NOTED.

RAILINGS:

RAILINGS (IF APPLICABLE) ARE TO BE DESIGNED TO RESIST A 200 LB. CONCENTRATED LOAD AT ANY POINT AND IN ANY DIRECTION. TYPE OF LUMBER.

FOR WOOD FRAME CONSTRUCTION, USE ~2 SPF FOR ALL EXTERIOR AND INTERIOR BEARING WALLS, ALL ROOF FRAMING MEMBERS TO BE ~2 YELLOW PINE.

TYPE OF LUMBER:

FOR WOOD FRAME CONSTRUCTION, USE ~2 SPF FOR ALL EXTERIOR AND INTERIOR

BEARING WALLS, ALL ROOF FRAMING MEMBERS TO BE ~2 YELLOW PINE.

TREATED LUMBER:

ALL WOOD MEMBERS THAT ARE WITHIN 8" OF FINISHED GRADE LEVEL, ALL EXPOSED

UNFINISHED WOOD AND ALL WOOD MEMBERS IN CONTACT WITH CONCRETE AND/OR

OTHER MASONRY SHALL BE PRESERVATIVE TREATED WITH DISODIUM OCTABORATE

TETRAHYDRATE TO A MINIMUM GRADE OF 0.40PCF RETENTION AND SHALL CONFORM TO

AWPA STANDARD CI THROUGH C23 DEPENDING ON THE APPLICATION.

ROOF DECKING:

UNLESS OTHERWISE SPECIFIED, ROOF SHEATHING SHALL BE 19/32 CDX PLYWOOD INSTALLED

WITH EDGE CLIPS IN EACH BAY, ALL SHEATHING SHALL BE APA RATED FOR THE USE

INTENDED,

PREFABRICATED PRODUCTS:

LAMINATED VENEER LUMBER SHALL CONFORM TO ASTM D5456 STANDARD SPECIFICATION FOR EVALUATION OF STRUCTURAL COMPOSITE LUMBER PRODUCTS. ALL WOOD STRUCTURAL PANELS, INCLUDING BUT NOT LIMITED TO PLYWOOD, OSB, WAFERBOARD AND MEDIUM DENSITY FIBERBOARD (MDF) SHALL CONFORM TO PS-1 AND PS-2 PERFORMANCE STANDARDS FOR WOOD BASED STRUCTURAL-USE PLYWOOD. MDF SHALL NOT BE USED IN ANY EXTERIOR APPLICATIONS. THE USE OF FORMALDEHYDE-BASED GLUES AND RESINS IS DISCOURAGED.

ALL FINGER JOINTED LUMBER SHALL CONFORM TO NDS SECTION 4.1.6 AND SHALL NOT BE USED IN A MANNER INCONSISTENT WITH THE LIMITATIONS OF FINGER-JOINTED LUMBER WITH RESPECT TO THE INTENDED APPLICATION.

PREFABRICATED WOOD JOISTS AND TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN CONFORMANCE TO ASTM D5055, ANSI/TPI 1-1995 AND WTCA 1-1995 AND SHALL BE CERTIRED BY A fLORIDA REGISTERED ENGINEER (DELEGATED ENGINEER).

CONTRACTOR RESPONSIBILITIES:

WRITTEN APPROVAL BY THE ENGINEER OF RECORD.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR START OF CONTRUCTION. WRITTEN DIMENSIONS SHALL TAKE PRECEDENT OVER SCALED DIMENSIONS. ANY DEVIATIONS OR DISCREPANCIES SHALL BE PROMPTLY REPORTED TO THE ENGINEER OF RECORD. CONTRACTOR SHALL MAKE ALL EFFORTS TO PROTECT THE STRUCTURE, THE WORK PERSONS, AND OTHER PEOPLE DURING CONSTRUCTION. HE SHALL SUPERVISE AND DIRECT THE WORK AND BE RESPONSIBLE FOR ALL CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ARCH ITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND CONSTRUCTION FOR ANCHORS, EMBEDS AND SUPPORTS OR ANY OTHER ITEMS WHICH AFFECT THE STRUCTURAL DRAWINGS.

THERE SHALL NOT BE ANY CHANGES TO THESE CONSTRUCTION DOCUMENTS DURING THE

DEVELOPMENT OF SHOP DRAWINGS OR DURING CONSTRUCTION WITHOUT PRIOR

ENGINEERING SERVICES GROUP, LLC ASSUMES NO RESPONSIBILITY FOR THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, HVAC, FIRE PROTECTION OR FIRE CODE PROVISIONS, FABRICATION, INSTALLATION/ERECTION, SUPERVISION, PLAN DIMENSIONS, UNKNOWN FIELD CONDITIONS OR OTHER CONDITIONS NOT FULLY REPRESENTED IN THESE DRAWINGS.

E WITH AND MEETS THE REGUIREY DITION, AND ASCE 1-10 FOR VUIL.

6d. =124 MPH

EXPOSURE CATOR = 1.0 GUST EFFECT, ONE KA=0.85 FULLY ENCLOSURE COEFFICIENT: +/- 0.18

RE FOR WALL COMPONENTS & CL 33.1 PSF -43.8 PSF

DESIGN PRESSURE = +28.9, -32.1 (

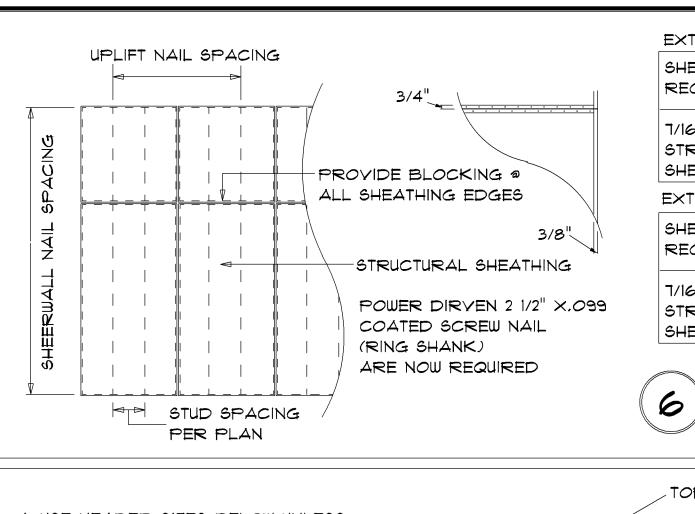
Ö 4

FBC 2020, TTh EDITION, WIND SPEED, Vasd, =124
RISK CATEGORY II
TOPOGRAPHIC FACTOR
WIND DIR. FACTOR KG=CINTERNAL PRESSURE CC
DESIGN PRESSURE COR
(WORST CASE) +33.1 PSF

James Lee Smith / P.E



General Notes



EXTERIOR WA	LL SHE	ATHING		
SHEATHING	NAIL	VERTICAL	HORIZONTAL	FEILD
REQ.	SIZE	SPACING	SPACING	SPACING
7/16"	8d	6" O.C.	6" O.C.	12" O.C.
STRUCTURAL	R.S.			
SHEATHING	NAILS			

EXTERIOR GA	BLE SH	HEATHING		
SHEATHING REQ.	-	VERTICAL SPACING	HORIZONTAL SPACING	FEILD SPACING
7/16" STRUCTURAL SHEATHING		4" O.C.	4" O.C.	8" O.C.

TYPICAL WALL SHEATHING DETAIL

LIMITING HEIGHT OF 2"	STUDS
SIZE STUD MATERIAL AT O.C. SPACING	MAX, HEIGHT
2' × 4' SPF @ 24" O.C.	8'0"
2' × 4' SPF @ 16" O.C.	9' 0"
2' × 4' SPF @ 12" O.C.	10'0"
2' × 4' YP @ 24" O.C.	9' 0"
2' × 4' YP @ 16" O.C.	10' 9"
2' × 4' YP @ 12" O.C.	12' 4"
2' × 6' SPF @ 24" O.C.	11' 4"
2' × 6' SPF @ 16" O.C.	13' 9"
2' × 6' SPF @ 12" O.C.	16' 0"
2' × 6' YP @ 24" O.C.	13' 9"
2' × 6' YP @ 16" O.C.	17' O"
2' × 6' YP @ 12" O.C.	19' 4"
2' × 8' SPF @ 24" O.C.	14' 9"
2' × 8' SPF @ 16" O.C.	18'0"
2' × 8' SPF @ 12" O.C.	21' 0"
2' × 8' YP @ 24" O.C.	18'0"
2' × 8' YP @ 16" O.C.	22' 3"
2' × 8' YP @ 12" O.C.	25' 8"

DIAGONAL 2X4

BRACING EACH

WAY X-BRACE ATTACH FIRST

3 TRUSSES @ 48"

PRE-ENGINEERED

O.C. W/ (2) 16d

NAILS @ EACH

WOOD TUSSES

2X4 BLOCKING

TOP & BOTTOM

CHORDS

2 BAYS @ 48" O.C.

1/2" GYP, BOARD

CONTINUOUS BOTTOM CHORD BRACING I X 4 MIN, SEE DETAIL

20'-0" MAX

	NECTION REQUIRE	•						
_	'A' SEE F-2 (TOP & : STUDS) UPLIFT CO			1 ×. +		1	SPA	
1	D AT AT EACH EN	•	3	6	9	12	15	18
」	AT BOTTOM OF HE		NU	MBE	RC	F HE	EADE	ER STUDS
			SU	PPC	RTI	NG E	EACH	HEND OF HEADER
AT WALL	DDITION TO CONNI	ECIORS	1	2	2	2	3	3
STUDS	UNSUPPORTED	STUD	NU	MBE	RC	F FL	ILL L	ENGTH STUDS
91425	WALL HEIGHT	SPACING	AT	EAG	CH E	END	OF H	HEADER
_		12"	2	2	3	3	3	3
_	10' OR LESS	16"	2	2	3	3	3	3
		24"	2	2	2	2	2	2
	GREATER	12"	2	2	3	4	5	5
	THAN 10'	16"	2	2	3	3	4	4
-		24"	2	2	2	2	3	3
MII	VIMUM WAL	L & HEA	,DI	ER	S	TUI) F	REQ.

(2) 16d TOE NAILS

EACH SIDE (TYP)

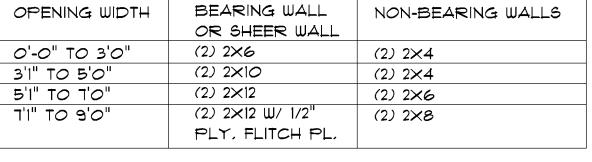
1, USE HEADER SIZES BELOW UNLESS OTHERWISE NOTED ON FRAMING PLAN

2. PRIMARY FRAMING (BEAMS, GIRDERS, ETC ...) WERE SIZED USING 1800 FB' EXTREME FIBER

3. JOISTS, RAFTERS, LINTELS, ETC WERE SIZED USING 1200 FB' EXTREME FIBER IN BENDING (SINGLE) 90 'FY' HORIZONTAL SHEER 16E 'E' MODULES OF ELASTICITY

OPENING WIDTH	BEARING WALL OR SHEER WALL	NON-BEARING WALLS
0'-0" TO 3'0"	(2) 2×6	(2) 2×4
3'1" TO 5'0"	(2) 2×10	(2) 2×4
5'1" TO T'O"	(2) 2×12	(2) 2×6
"O'E OT "I'T	(2) 2×12 W/ 1/2"	(2) 2×8
	PLY, FLITCH PL,	

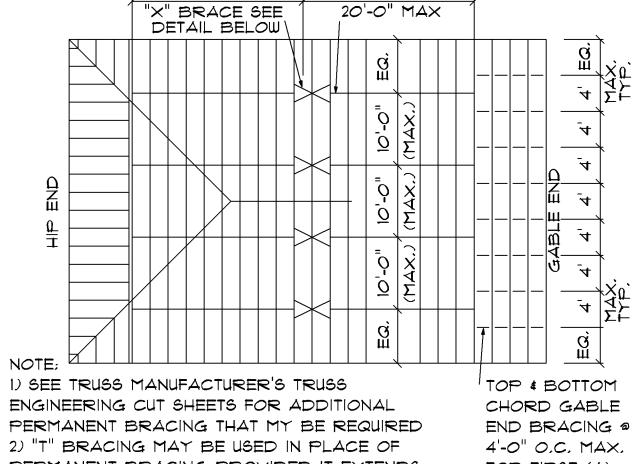
HEADER CONT, W 16d NAILS @ 12" O.C. STAGARED SHEATHING FLITCH PLATE



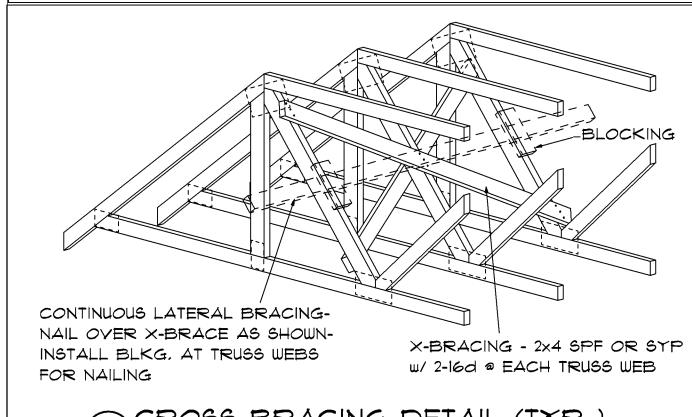
UNLESS OTHERWISE NOTED FOR UP TO 8' SPAN

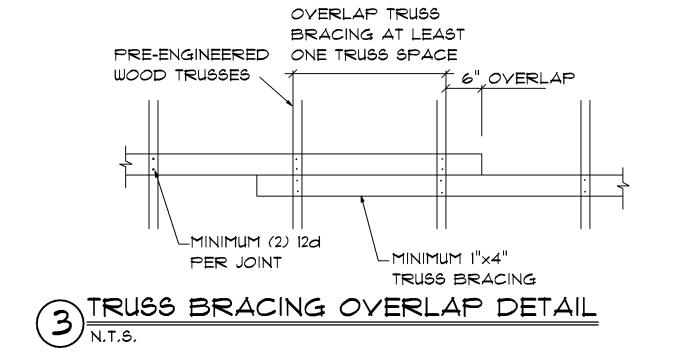
TYPICAL FRAMING CONNECTORS FOR OPENINGS

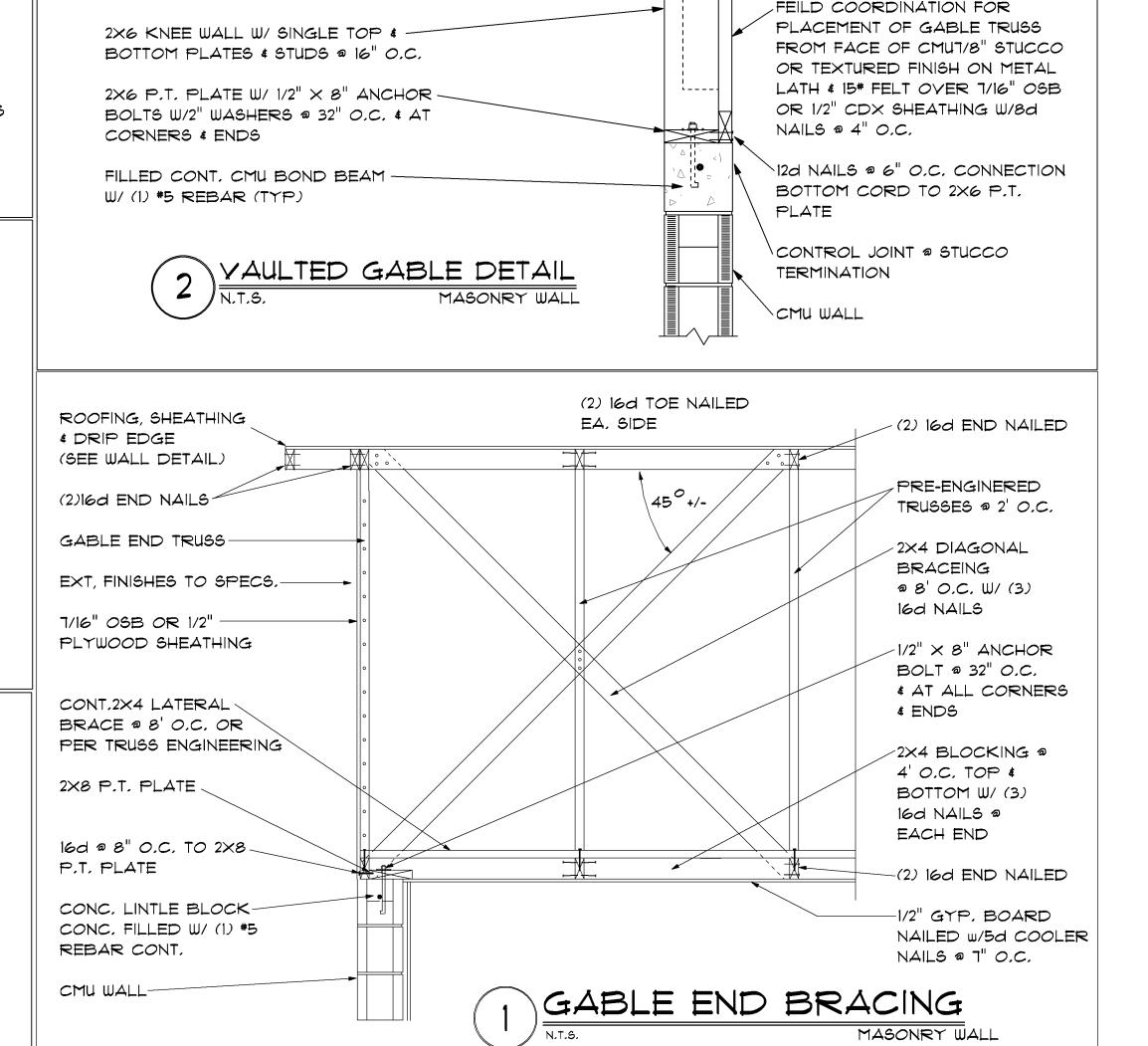
IN INTERIOR & EXTERIOR LOAD BEARING WALLS

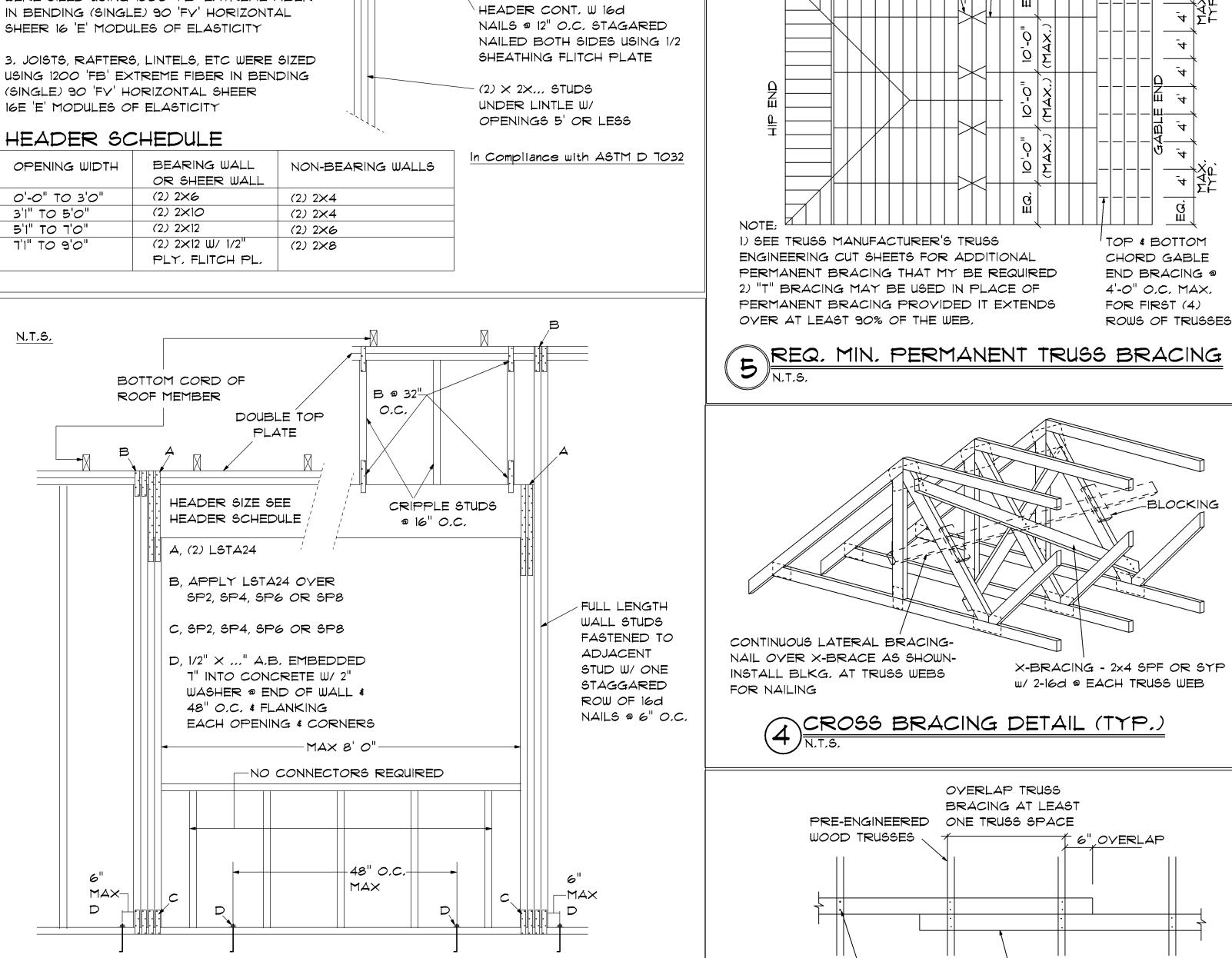


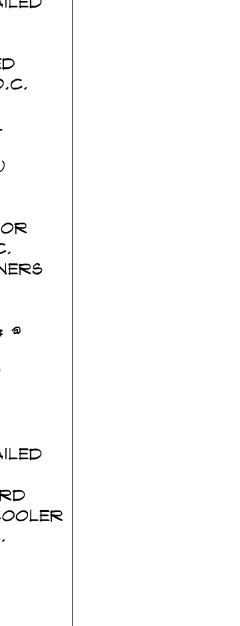
20'-0" MAX











INT, BRACING & NAILING SCHEDULE

PER GABLE TRUSS ENGINEERING

,A35 OR H2 @ EACH X-BRACE TO

,A35 OR H2 @ EACH TRUSS STUD TO

,2X4 W/5d COOLER NAILS @ 7" O.C.

FRAME WALL BETWEEN VERTICAL

2X6 KNEE WALL TOP PLATE

2X6 KNEE WALL TOP PLATE

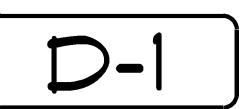
TO KNEE WALL TOP PLATE

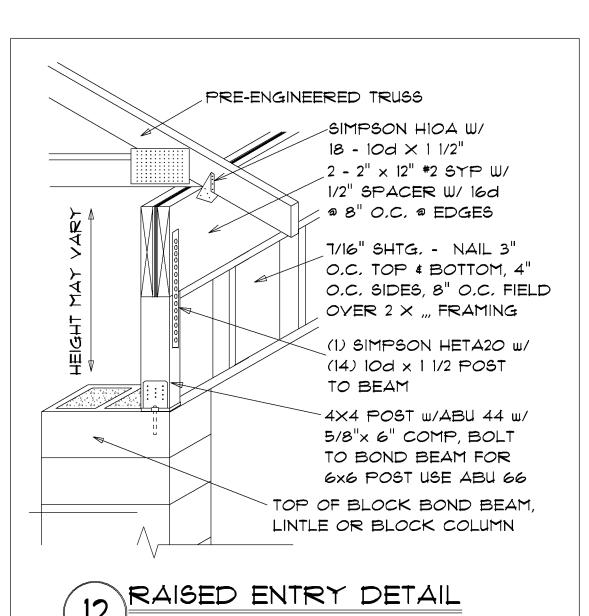
GABLE BRACING

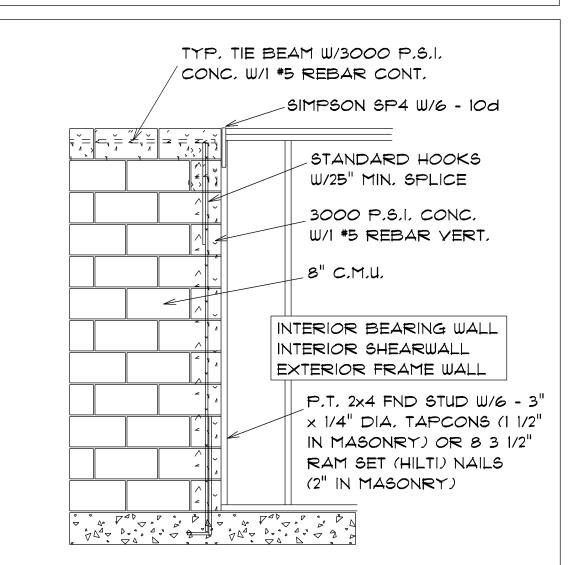
/2X... BLOCKING TO SUPPORT

Smith

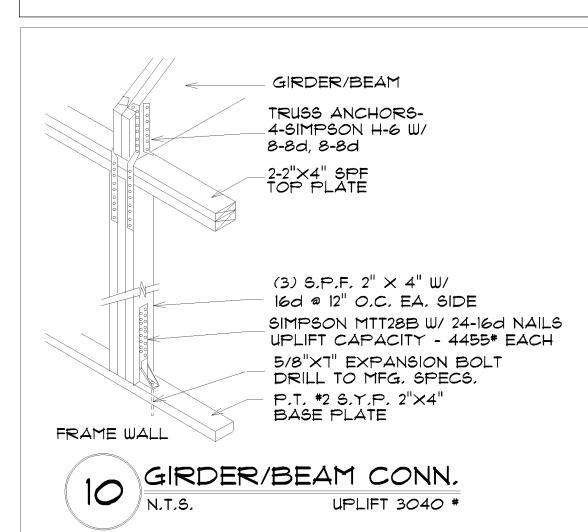


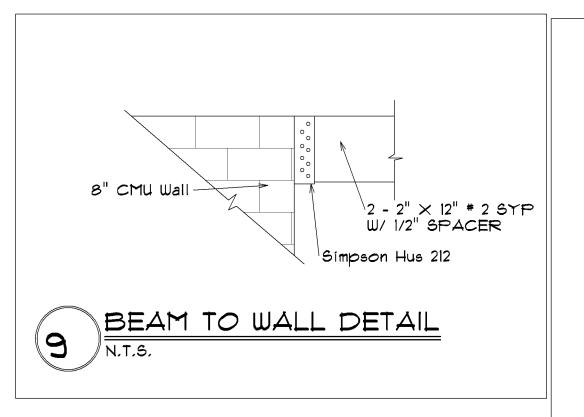


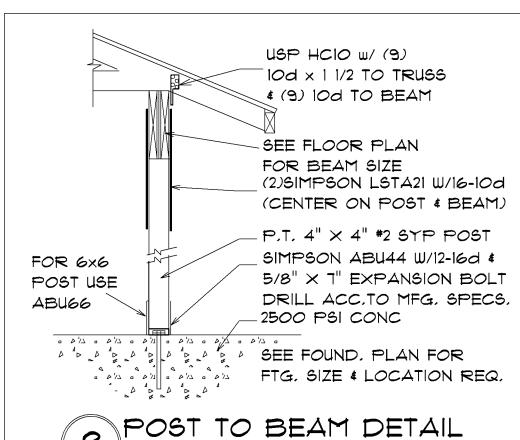


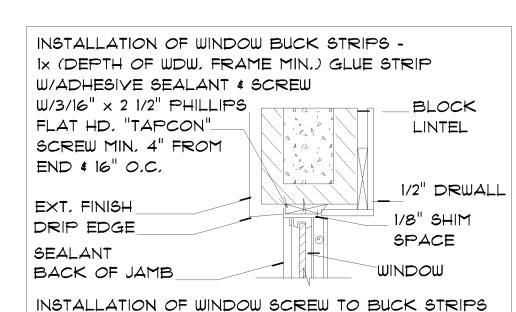






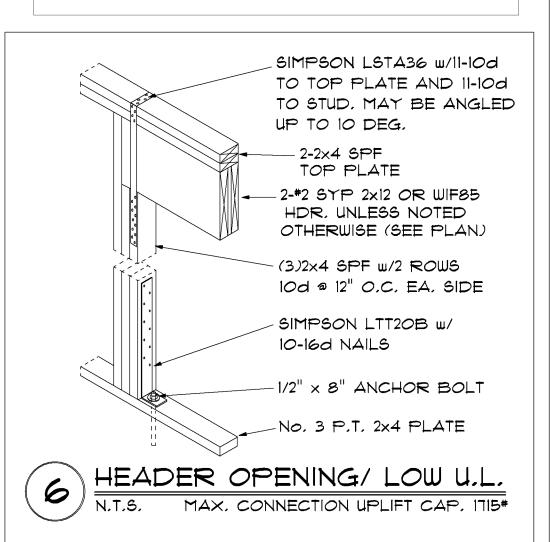


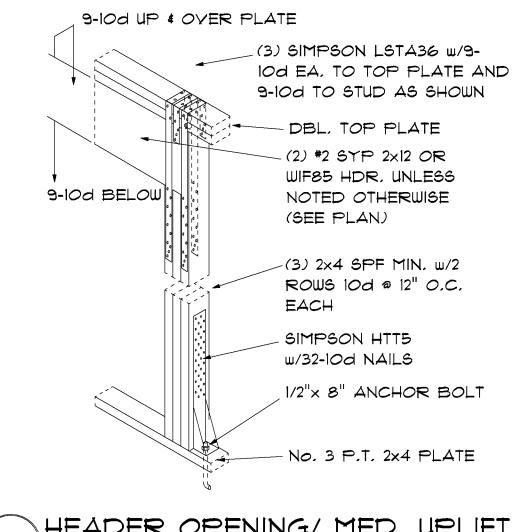




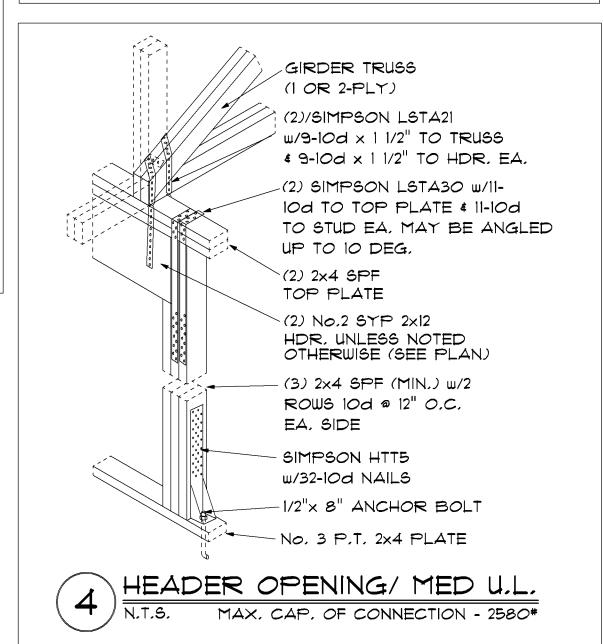
W/#8 x 1" SELF THREADING PHILLIPS FLAT HD. CADMIUM PLATEDSTEEL @ 4" MIN. FROM CORNERS # NO GREATER THAN 16" O.C., SILLS OVER 24" DRILL CONC. SILL & USE SCREWS DESCRIBED ABOYE & PLASTIC ANCHORS, (FILL ALL PRE-DRILLED HOLES)

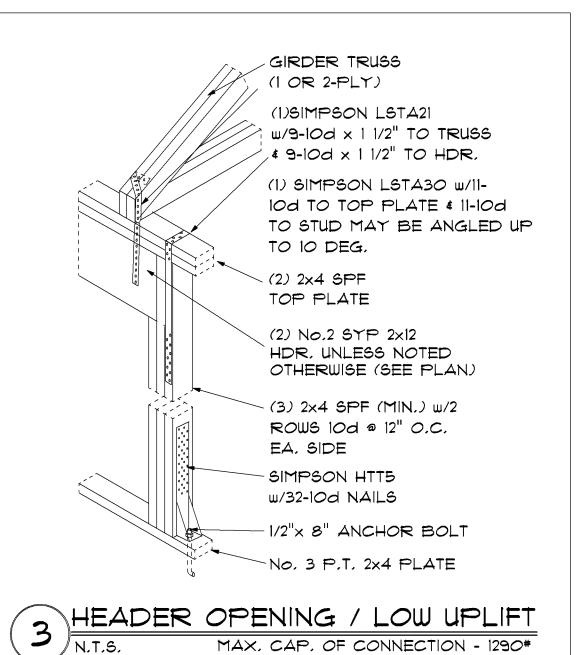
WINDOW INSTALLATION T) MASONRY OPENING



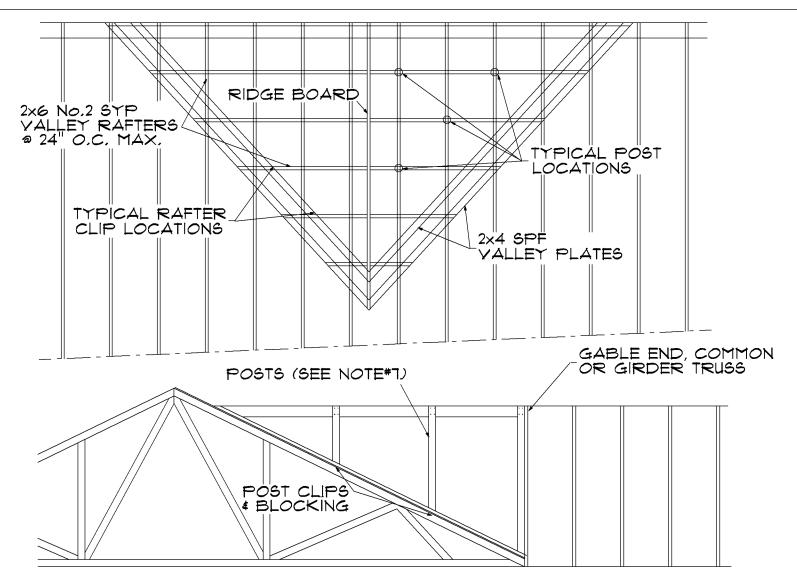


HEADER OPENING/ MED, UPLIFT MAX, CAP, OF CONNECTION - 3885*





MAX, CAP, OF CONNECTION - 1290*



APPLY SHEATHING TO TOP CHORD OF SUPPORTING TRUSSES, IF SHEATHING IS NOT APPLIED, PROVIDE 2x4 PURLING AT 24" O.C. ON THE TOP CHORD OF THE SUPPORTING TRUSSES UNDER THE VALLEY FRAMING. CONNECT PURLING TO EACH TRUSS WITH (2) 16d NAILS & (1) SIMPSON H2.5 OR EQUAL HURRICANE CLIP

INSTALL 2x4 VALLEY PLATES AS SHOWN ON PLAN VIEW, FASTEN TO EACH SUPPORTING TRUSS WITH (2) 16d NAILS, INSIDE VALLEY PLATE SHOULD BE ALIGNED WITH THE HEELS

OF THE RAFTERS,

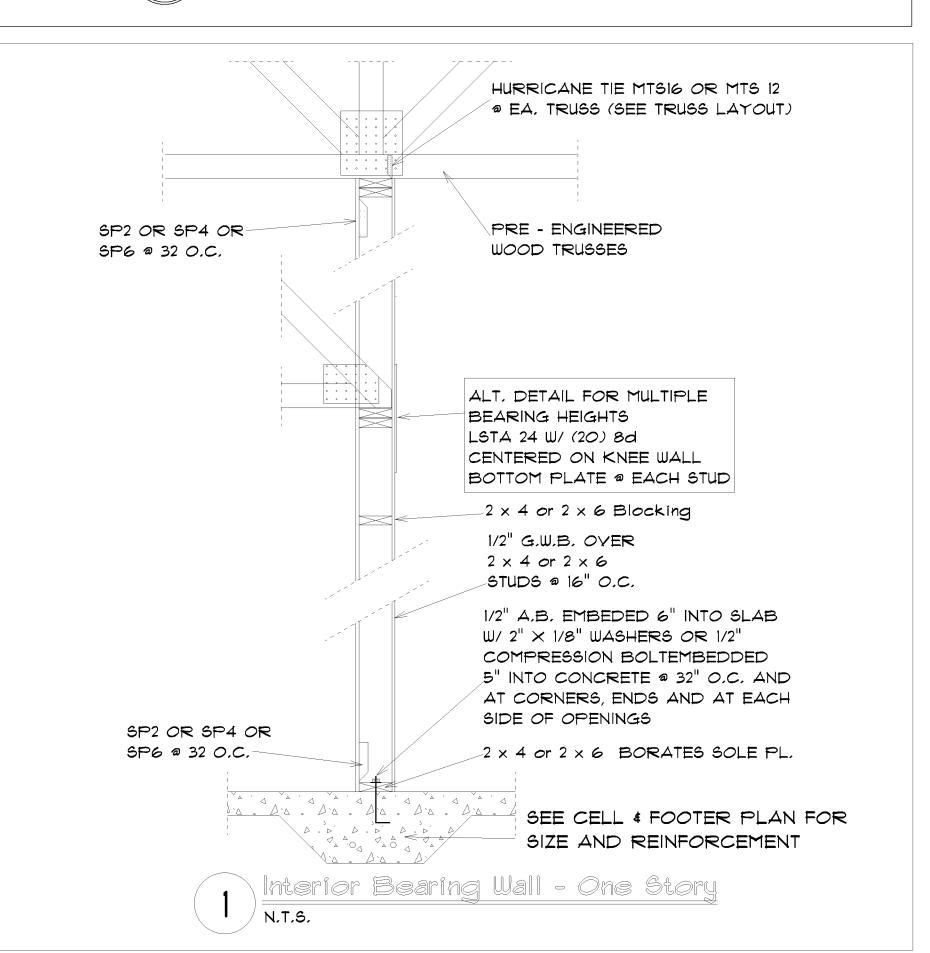
I. DEFINE VALLEY RIDGE BY RUNNING A LEVEL STRING FROM THE INTERSECTING RIDGE OF THE (a,) GABLE END (b,) GIRDER TRUSS (c,) COMMON TRUSS TO THE ROOF SHEATHING,

I. SET 2x6 No.2 SYP RIDGE BEAM, SUPPORT WITH 2x4 POSTS SPACED 48" O.C., BEVEL BOTTOM OF POST TO SET EVENLY ON THE SHEATHING, INSTALL 2x4 SYP BLOCKING UNDER POSTS BETWEEN TRUSSES AND AT INTERSECTION OF RIDGE BOARD WITH ROOF, FASTEN POST TO RIDGE WITH (4) IOO NAILS, FASTEN POST TO BLOCKING WITH (3) IOO TOE NAILS & (1) SIMPSON H3 OR EQUAL HURRICANE CLIP OR TWIST STRAP,

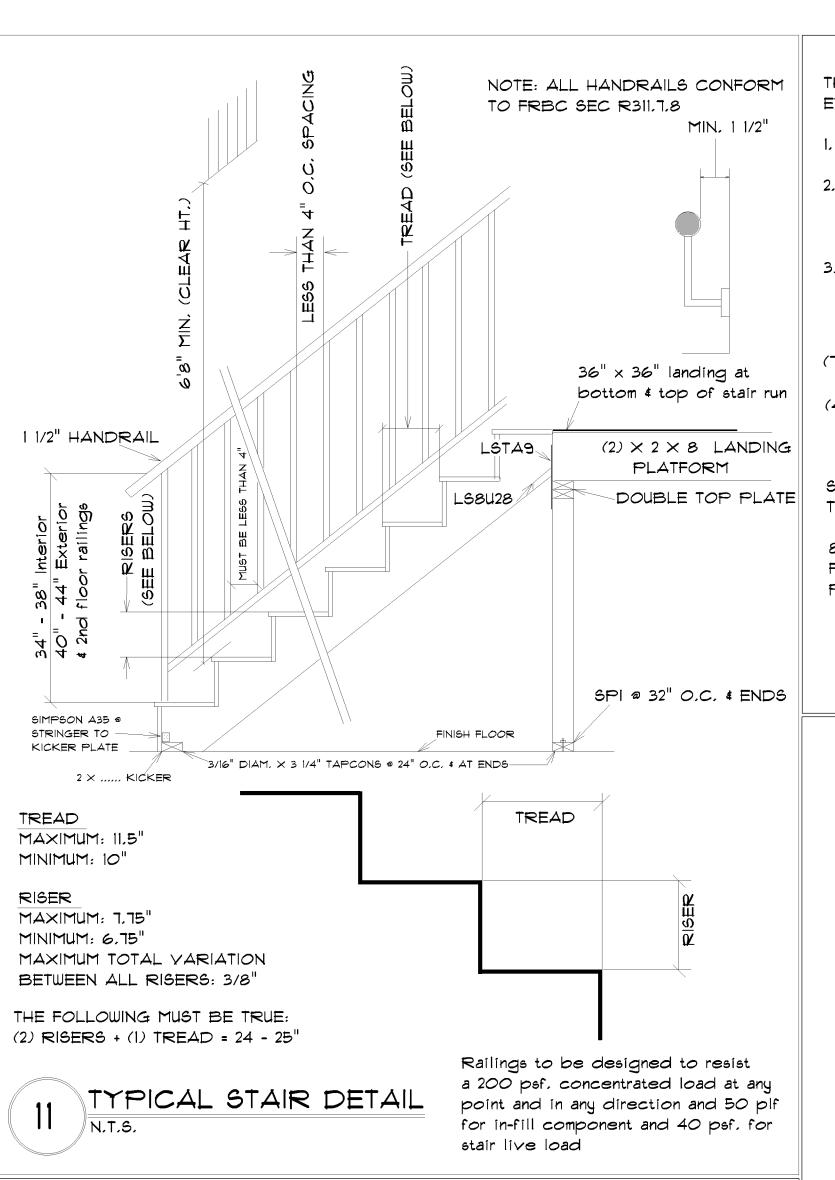
INSTALL POSTS IN A STAGGERED PATTERN AS SHOWN ON PLAN DRAWING, ALIGN POSTS

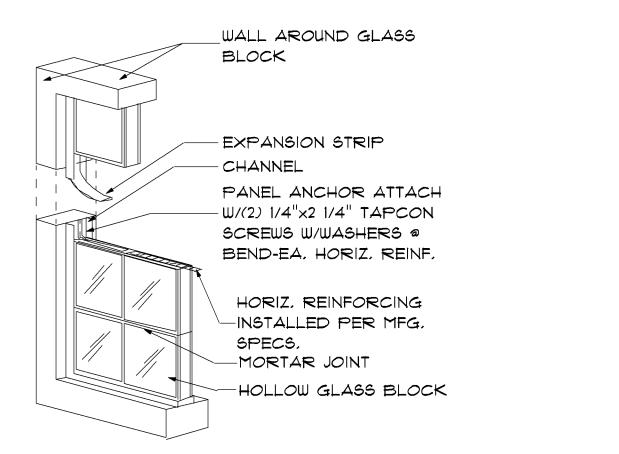
INSTALL POSTS IN A STAGGERED PATTERN AS SHOWN ON PLAN DRAWING, ALIGN POSTS WITH TRUSSES BELOW, FASTEN VALLEY RAFTER TO POST WITH (4) IOO NAILS, FASTEN POST TO TRUSS WITH (3) IOO TOE NAILS & (1) SIMPSON H3 OR EQAL CLIP, FOR PURLIN APPLICATIONS, CONNECT 2x4 POST TO FACE OF TOP CHORD WITH (4) IOO NAILS.

CONY, FRAMING & VALLEY DETAIL N.T.S.



Smith Lee





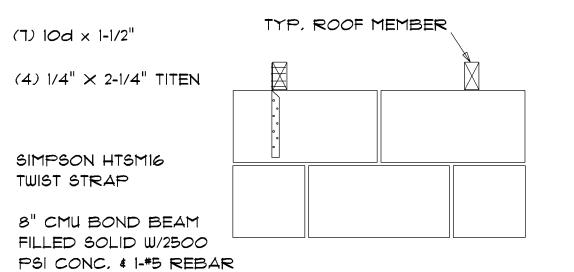
GLASS BLK, PANELS SHALL HAVE REINF, IN THE HORIZONTAL MORTAR JOINTS, EXTENDING FROM END TO END OF MORTAR JOINTS, BUT NOT ACROSS EXPANSION JOINTS, WITH ANY UNAVOIDABLE JOINTS SPLICED BY LAPPING THE REINF, NOT LESS THAN 6", THE REINF, SHALL BE SPACED NOT MORE THAN 2' APART VERT. FOR 3 7/8" BLK. 4 16" APART VERTICALLY FOR 3 1/8" BLK. IN ADDITION REINFORCEMENTS SHALL BE PLACED IN THE JOINT IMMEDIATELY BELOW & ABOYE ANY OPENINGS WITHIN A PANEL, THE REINF, SHALL CONSIST OF TWO PARALLEL LONGITUDINAL, GALYANIZED STELL WIRES, 9 GA. OR LARGER, SPACED 2" APART AND HAVING WELDED THERETO 14 GA, OR HEAVIER CROSS WIRES AT INTERVALS NOT EXCEEDING 8", OR THE EQUIVALENT APPROVED BY THE BUILDING OFFICIAL

FOR GLASS BLOCK OPENINGS 50 SQFT & UNDER USE FULL BED OF TYPE S OF M (IN ACCORDANCE WITH ASTM C 270) MORTAR TPY, 1/4" WIDE @ FACE OF WALL FOR MORE THAN 50 SQFT USE TPICAL ABOYE

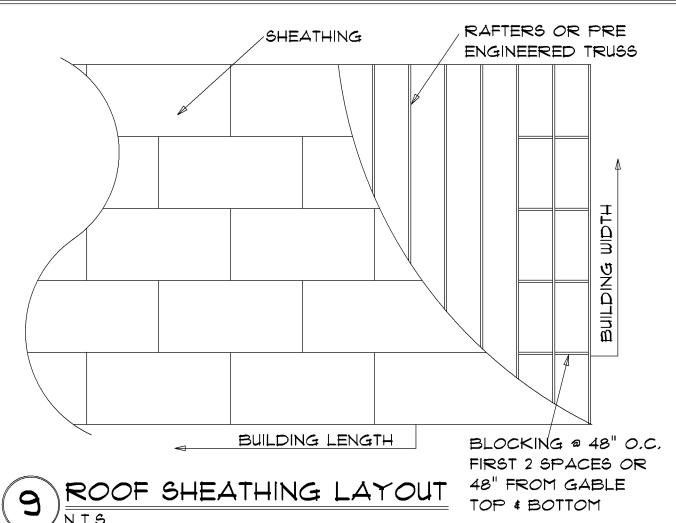
GLASS BLOCK DETAIL

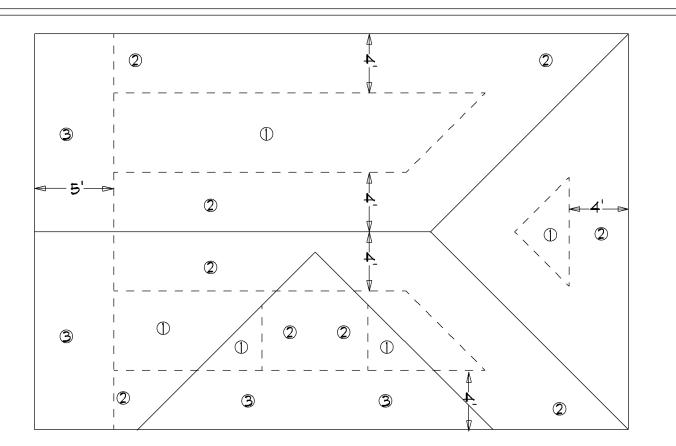
THIS LETTER IS TO DESCRIBE APPROPRIATE MEASURES TO TAKE WHEN EMBEDDED TRUSS ACHORS HAVE BEEN MISPLACED

- 1. IF THE DISTANCE OF THE STRAP BEING OFF IS BETWEEN 1/16" TO 3/4", NO CORRECTIVE MEASURES ARE REQUIRED.
- 2. IF THE DISTANCE OF THE STRAP BEING OFF IS BETWEEN 9/16" TO 1" A WOOD SHIM OF APPROPRIATE THICKNESS MUST BE INSTALLED BETWEEN THE STRAP & THE TRUSS WITH AN INCREASE IN NAIL LENGTH TO EQUIL OR EXCEED THE THICKNESS OF THE SHIM
- 3. IF THE DISTANCE OF THE STRAP BEING OFF IS EXCEEDS I" THEN THE STRAP MUST BE REPLACED WITH THE APPROPRIATE FIX AS REQUIRED BY THE UPLIFT LOAD PER ATTACHED DETAILS.



FIX FOR MISPLACED TRUSS ANCHORS



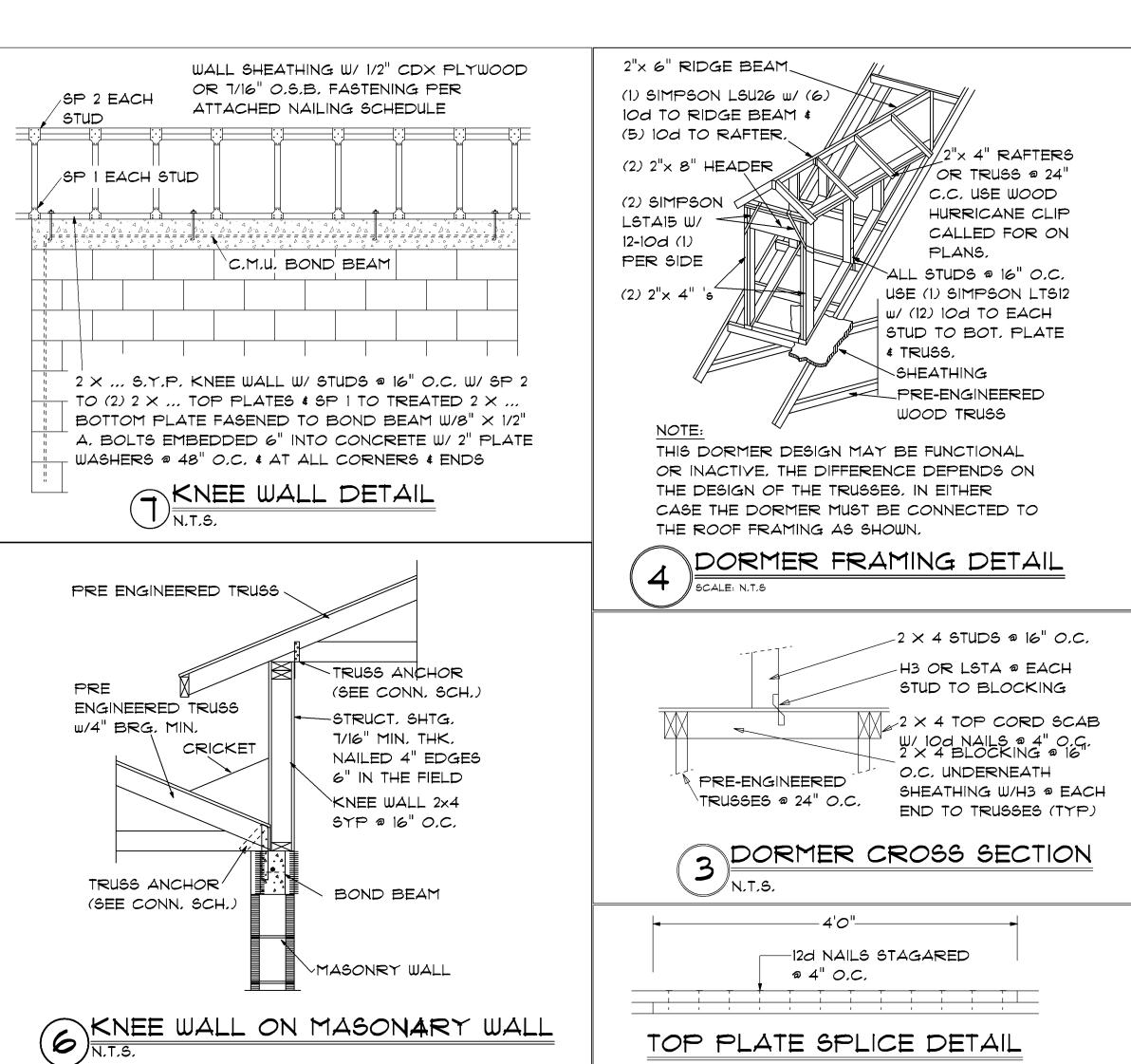


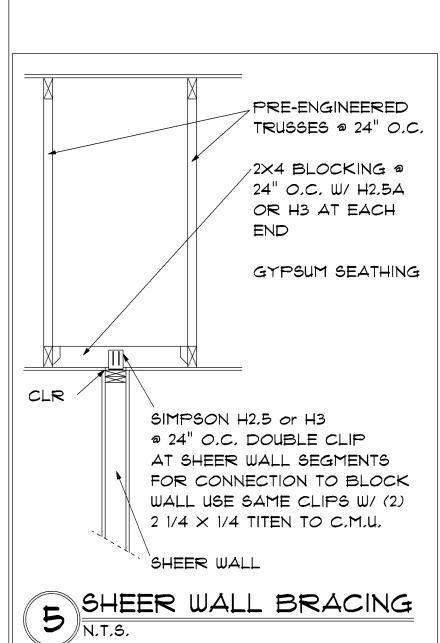
ROOF FA	ASTENING :	ZONES
1	2	3
6" O.C.	4" O.C.	2 1/2" O.C.
8" O.C.	6" O.C.	6" O.C.
	6" O.C.	ROOF FASTENING : 1 2 6" O.C. 4" O.C. 8" O.C. 6" O.C.

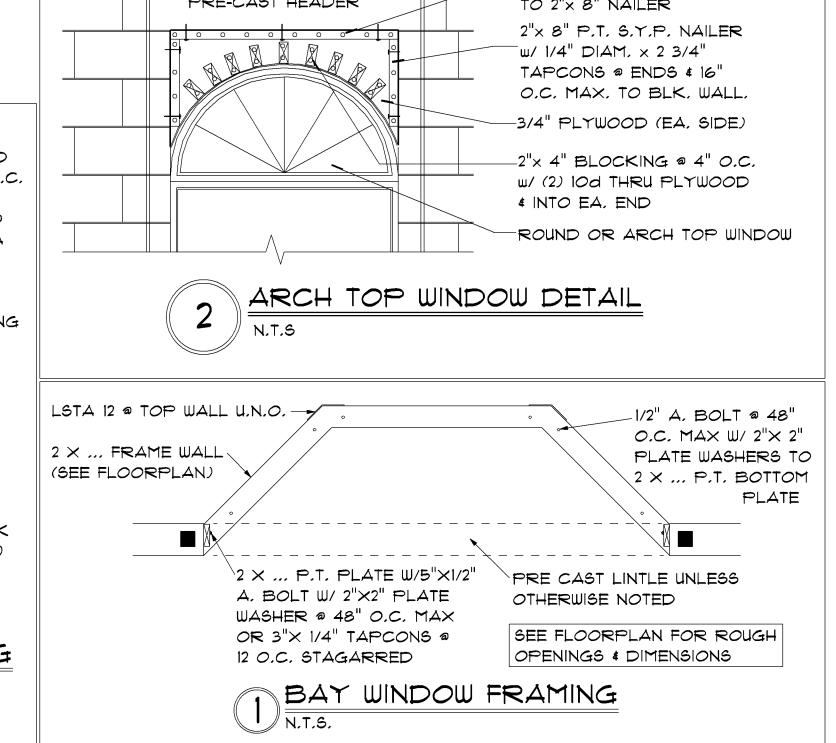
/ N.T.S.

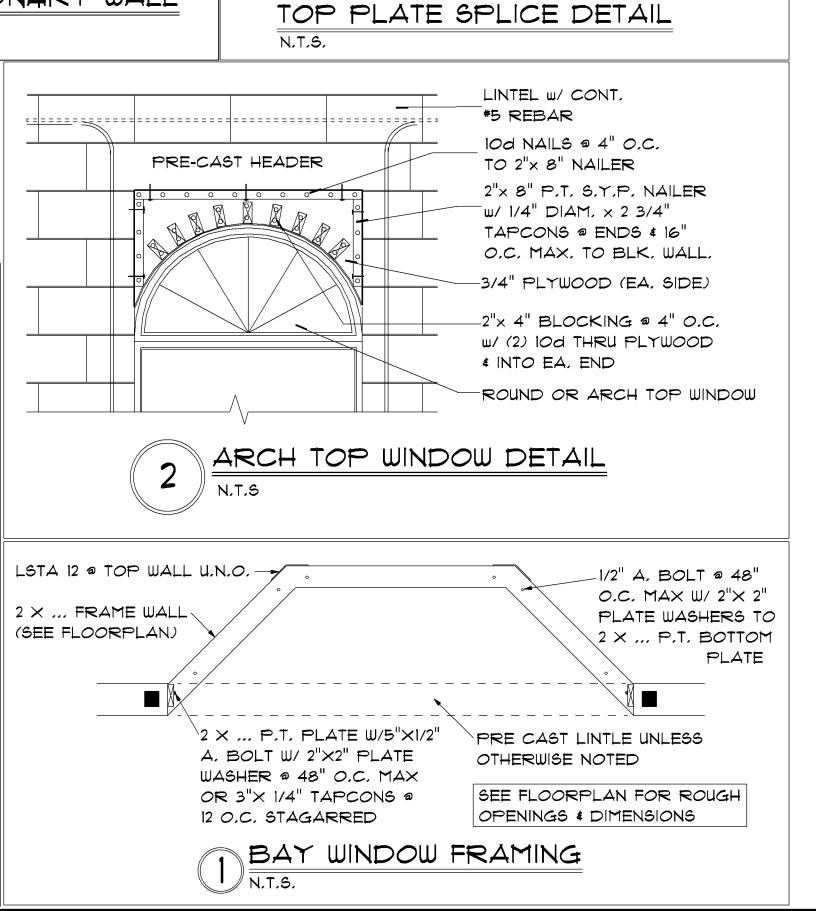
I, EDGE SPACING ALSO APPLIES OVER GABLE END WALLS OR TRUSSES 2. USE 7/16" OSB OR 1/2" PLYWOOD W/ 2 1/4"X.099 DIAM. (RING SHANK) POWER DRIVEN COATED SCREW NAIL PER SCHEDULE ABOYE



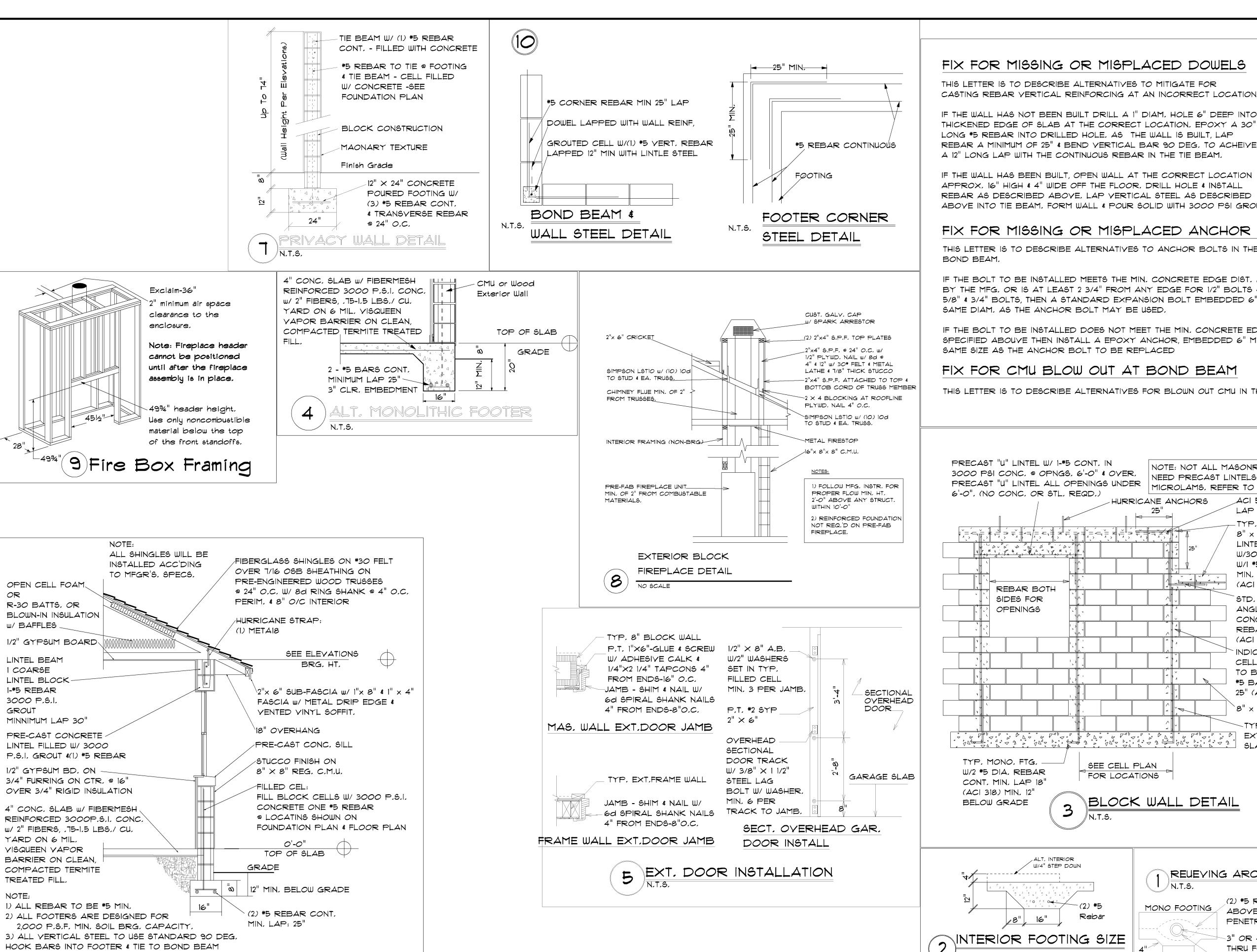








Smith



SINGLE STORY Typ. WALL SECTION

SHINGLE ROOF

6

N.T.S.

FIX FOR MISSING OR MISPLACED DOWELS

THIS LETTER IS TO DESCRIBE ALTERNATIVES TO MITIGATE FOR

IF THE WALL HAS NOT BEEN BUILT DRILL A 1" DIAM, HOLE 6" DEEP INTO THICKENED EDGE OF SLAB AT THE CORRECT LOCATION, EPOXY A 30" LONG *5 REBAR INTO DRILLED HOLE, AS THE WALL IS BUILT, LAP REBAR A MINIMUM OF 25" & BEND YERTICAL BAR 90 DEG. TO ACHEIYE A 12" LONG LAP WITH THE CONTINUOUS REBAR IN THE TIE BEAM.

IF THE WALL HAS BEEN BUILT, OPEN WALL AT THE CORRECT LOCATION APPROX, 16" HIGH & 4" WIDE OFF THE FLOOR, DRILL HOLE & INSTALL REBAR AS DESCRIBED ABOVE, LAP VERTICAL STEEL AS DESCRIBED ABOYE INTO TIE BEAM, FORM WALL & POUR SOLID WITH 3000 PSI GROUT

FIX FOR MISSING OR MISPLACED ANCHOR BOLTS

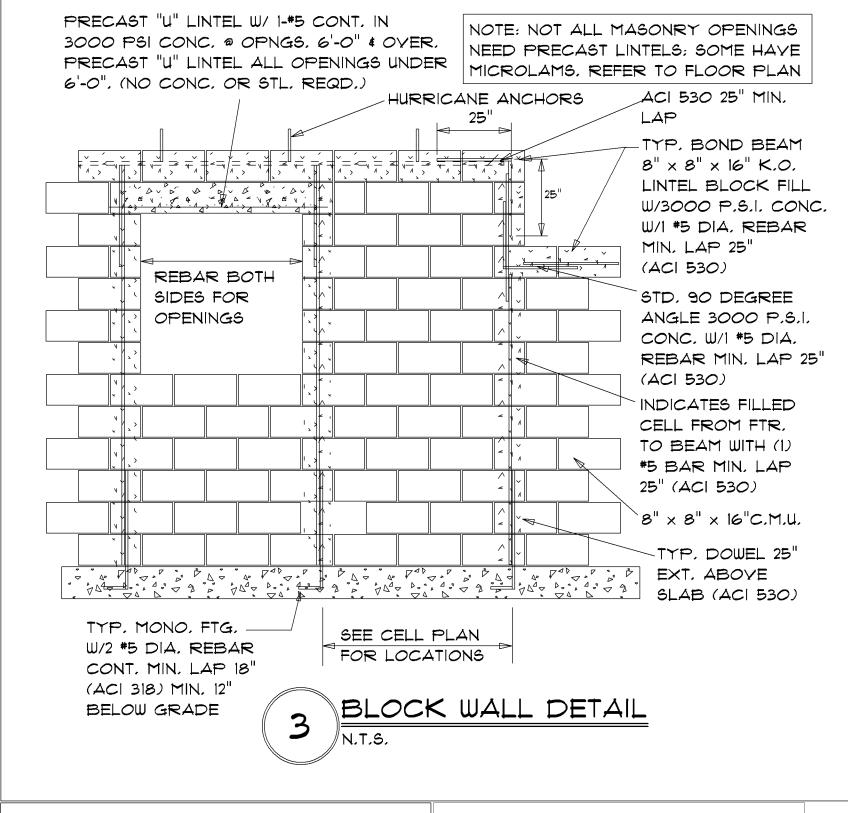
THIS LETTER IS TO DESCRIBE ALTERNATIVES TO ANCHOR BOLTS IN THE SLAB \$ BOND BEAM

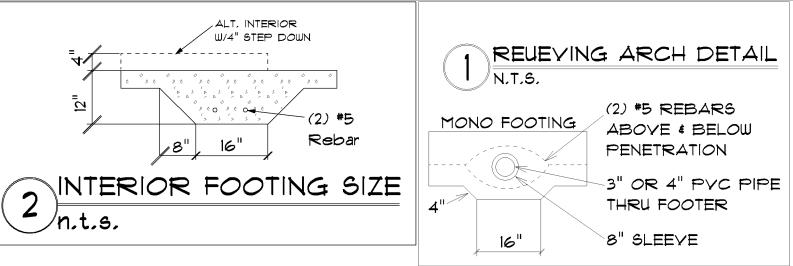
IF THE BOLT TO BE INSTALLED MEETS THE MIN, CONCRETE EDGE DIST, AS SPECIFIED OR IS AT LEAST 2 3/4" FROM ANY EDGE FOR 1/2" BOLTS & 3 1/2" FOR 5/8" \$ 3/4" BOLTS, THEN A STANDARD EXPANSION BOLT EMBEDDED 6" MIN, \$ THE SAME DIAM, AS THE ANCHOR BOLT MAY BE USED

IF THE BOLT TO BE INSTALLED DOES NOT MEET THE MIN. CONCRETE EDGE DIST. AS SPECIFIED ABOUVE THEN INSTALL A EPOXY ANCHOR, EMBEDDED 6" MIN. 4 THE SAME SIZE AS THE ANCHOR BOLT TO BE REPLACED

FIX FOR CMU BLOW OUT AT BOND BEAM

THIS LETTER IS TO DESCRIBE ALTERNATIVES FOR BLOWN OUT CMU IN THE BOND BEAM



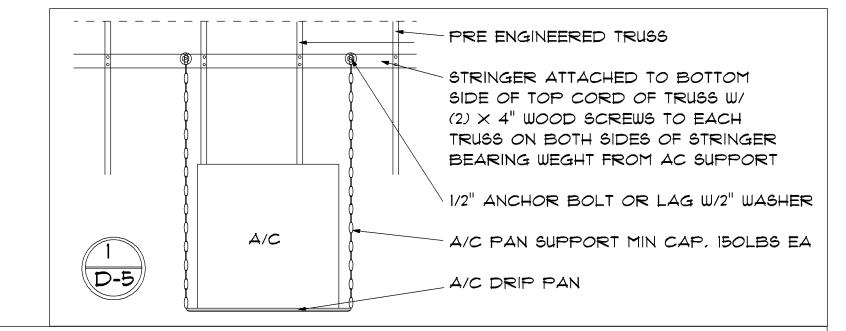


Smith Lee ames

	CONNE	SIMPSON			CON	NECTOR SCHEDUL	E
\int	CONNECTOR	FASTNERS	UPLIFT (Ibs)	*	CONNECTOR	FASTNERS	UPLIFT (lbs)
2)	MTSMI6	(7) 100 × 1-1/2" NAILS \$ (4) 1/4" × 1-1/2" TITEN Z	830		METAIS	(8)10D X 1-1/2"1-PLY (6) 16d X 3-1/2"2-3PLY	1,450
	HTSM2O	(10) 10D × 1-1/2 NAILS & (4) 1/4" × 3" TITEN Z	1,110	2	HETA2O	1 PLY (9) 10d × 1.5 2/3 PLY (8) 16d × 3-1/2"	1,810
	М6ТДМ24	(9) 10D × 5' NAILS & (5) 1/4" × 3" TITEN Z	1,375	3	MT512 OR MT5 16	(14)10d	990
	MSTAM36	(13) IOD × 3" NAILS & (8) 1/4" × 3" TITEN Z	1,870	4	H3	(8) 8d	400 UPLIFT
	MSTCM40	(26) 10D × 3-1/4" NAILS & (10) 1/4" × 3" TITEN Z	2,800	5	HD9B	7/8" ANCHOR BOLT (3) 7/8" BOLTS THRU	OIE,T
	CSIG-R (CUT TO FIT)	(11) IOD × 15 NAILS & (8) 3/16" × 1-1/4" TITEN Z	1,650	6	HTS20	24- 10d × 1.5	1,310
	HIGS INV. HANGER	(2) 100 × 1-1/2 NAILS & (6) 1/4" × 3" TITEN Z	1,370	7	HHETA2O	PLY (10) 10d × 1.5 2-3 PLY (9) 16d × 3-1/2"	2,120
	HUC410 MASONRY	(18) 1/4" × 2 1/4" ??? TITEN 2 ISSUE	1,135	8	HGT-2 OR HGT-3	(2) 3/4" ANCHORS TO CMU \$ (16) IOD X 3" TO GIRDER	10,690
	HUC412 MASONRY	(22) 1/4" × 2 1/4" 777 TITEN 2 ISSUE	1,800	9	SPI	(6) 10D × 3" TO STUD (4) 10D × 3" TO PLATE	555
	MBHA MASONRY	(1) 3/4" THREADED ROD + TOP & FACE (4) 1/4"× 2 3/4" TITEN Z	3475	10	SP2	(6) IOD X 3" TO STUD (6) IOD X 3" TO PLATE	1,010
	НСАМЮ	TO MASONARY & (4) 1/4"× 1-1/2" SDS SCREWS TO TRUSS	810 875 IAT.		SP4	(6) IOd × 1.5 TO STUD	415 SIDE 825 CENTER
	HGUS48	(24) 3/16" × 2 1/4" TAPCONS	2300	12	C516-R	(22) 10d × 2 1/2"	1,705
	HGUS550/10	(24) 3/16" × 2 1/4" TAPCONS	2300	13	LSTA12	(10) 10d × 2 1/2"	925
	TYPICAL C	ONNECTIONS & DETA	4ILS	14	LSTA24	(18) 10d × 2 1/2"	1,235
	(2) STUDS / (B) × 2 C 4 (22) @ BASE TYP, @	DR 6 X 2 @ TOP 1 STORY		15	LSTA30	(22) 10d × 2 1/2"	1,640
	(3) STUDS / (15) × 3 (\$ (23) @ BASE TYP. @	OR(6) X 3 @ TOP 1 STORY		16	LSTA36	(24) IOd × 2 1/2"	1,640
	(2) STUDS / (15) × 2 C 4 (15) × 2 OR 6 × 2 6	DR 6 X 2 @ TOP D LOWER BEAM OR RIMBOARD			MSTA36	(26) 10d × 2 1/2"	2,050
	(3) STUDS / (15) × 2 (4 (15) × 2 OR 6 × 2 a	DR 6 X 2 @ TOP D LOWER BEAM OR RIMBOARD		18	HETA16	1 PLY (9) 10d × 1.5 2 PLY (8) 16d × 3 1/3	1,810
	(4) STUDS OR 6×6 45 @ BASE	P.T. POST / 28 × 2 @ TOP		(el)	HUS26	(14) 16d × 3 1/2 TO HEADER (6) 16D × 3 1/2 TO JOIST	
	(2) STUDS / (15) × 2 C + (12) × 2 - 52" LONG	DR 6 × 2 0 TOP 0 FLOOR \$ 22 0 BASE		20	HGUS48	(36) 16d × 3 1/2 TO FACE (12) 16D × 3 1/2 TO JOIST	3,235
	~	OR 6 X 3 @ TOP @ FLOOR \$ 23 @ BASE		21	RTPGA824	(24)16D	1,500
	W/ (13) IOO NĂILS TO GROUTED C.M.U.	DR 6 × 2 @ TOP + (12) × 2 - 52" LON D STUDS & (10) 3/16" × 2 1/4" TAP	CONS TO	22	HTTT16	(18) 16d + 5/8" A.BOLT	4,175
	(3) STUDS / (15) X 3 (W/ (13) 10d NAILS TO GROUTED C.M.U.	OR 6 × 3 @ TOP + 12 × 3 - 52" LC O STUDS & (10) 3/16" × 2 1/4" TAP	ONG @ BASE CONS TO	23	HTT22	(32) 16d + 5/8" A.BOLT	5,250
	23 @ BASE (TYP)	ALAM POST W/ (27) × 2 POST / BE		24	ABU44	(12) 16d + 5/8" A.BOLT	1,900
		O FLOOR SYSTEM W/ LSTA36 @ 3 G @ 32 32" O.C. & AT CORNERS, E PPENINGS		25	ABU66	(12) 16d + 5/8" A.BOLT	2,475
		ARD W/ (3) 1/4" × 4" WOOD SCR! 1/4" × 4 1/2" TAPCONS @ 5" O.C.		26	НОА	(9) 10d × 1.5 TO TRUSS (9) 10D × 1 1/2" TO PLATE	855
		ARD DOUBLE STAGGERED ROW @ 16" O.C. TO GROUTED CMU OF		27	MST27	(30) 16d × 2 1/2"	3,700
	5 1/4" × 5 1/4" PAR 23 @ BASE (TYP)	ALAM POST W/ 27 × 2 POST / BE	EAM /	28	MSTI48	(48) 10d × 1.5	5,070
	6×6 P.T. POST W/(2	7) × 2 POST/BEAM / (23) @ BASE (TYP)	29	MGT	(1) 5/8" BOLT TO LINTLE \$ (22) 10d NAILS TO TRUSS	3,965
	4X4 P.T. POST W/ (14	4) × 2 POST/BEAM / 24 @ BASE (1	IYP)		E CONNECTOR	NOTED OTERWIS	RAME USE
	4×4 P.T. POST W/ (4	6) X 3 POST/BEAM / (23) @ BASE (TYP)	* ĂLL IN BLOC	ITERIOR BEAM K	MU USE 2 /TRUSS TO EXIST	(2) × 2 ON
u		WELL AS ICF SEGMENTS WHICH H OF 4'O" OR MORE SHALL BE ALLS	IAVE AN	NAILS * USE HI * MINIMU	@ EACH END (JS26 AS PLY JM OF 6" EMBE	LY FRAMED MEMBERS USE (4 DF MEMBERS HANGER & HGUS45 AS 2 PLY EDMENT FOR ANCHOR BOLTS DOD FRAME WALLS, ALSO MU	HANGER TO SLAB

FLOOR LIVE LOAD = 40 P,S,F, STAIRS = 100 P.S.F.

ROOF LIVE LOAD = 20 P.S.F.



8X8 PRECAST LINTLE (FILLED & UNFILLED)

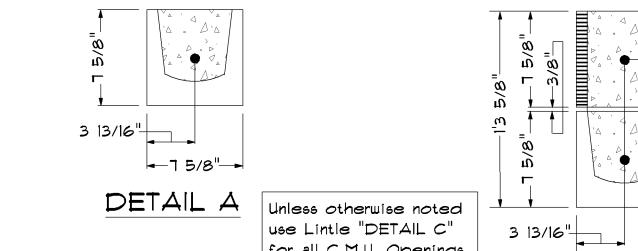
8X16 PRECAST LINTLE (COMPOSIT)

E	8X24 PRECAST LINTLE								
	(COMPOSIT)								

TOTAL ALLOWABLE SUPERIMPOSED				TOTAL ALLOWABLE SUPERIMPOSED				TOTAL ALLOWABLE SUPERIMPOSED				
LOAD - POUNDS PER LINEAR FOOR					LOAD - POUNDS PER LINEAR FOOR				LOAD - POUNDS PER LINEAR FOOR			
MARK NO,	NOMINAL CELAR SPAN	TOTAL LINTLE SIZE	NO FILL NO STEEL	FILLED (1) #5 A	MARK NO,	NOMINAL CELAR SPAN	TOTAL LINTLE SIZE	FILLED (1) #5 T#B	MARK NO.	NOMINAL CELAR SPAN	TOTAL LINTLE SIZE	FILLED (1) #5 T#B
L-1	1'6"	2'10"	6191	7845	L-1	1'6"	2'10"	12374	L-1	1'6"	2'10"	19724
L-2	2'2"	3'8"	4277	5413	L - 2	2'2"	3'8"	8488	L - 2	2'2"	3'8"	13599
L-3	2'8"	4'0"	3466	4383	L-3	2'8"	4'0"	8868	L - 3	2'8"	4'0"	11004
L-4	3'2"	4'6"	2917	3686	L-4	3'2"	4'6"	5772	L-4	3'2"	4'6"	9250
L-5	4'0"	5'4"	2304	2906	L-5	4'0"	5'4"	4546	L-5	4'0"	5'4"	T28T
L-6	4'6"	5'10"	2045	2577	L-6	4'6"	5'10"	4028	L-6	4'6"	5'10"	6458
L-7	5'2"	6'8"	1722	2167	L-7	5'2"	6'8"	3382	L-7	5'2"	6'8"	5548
L-8	6'2"	"8'୮	1484	1885	L-8	6'2"	"8"	2908	L-8	6'2"	"8'ד	4885
L-9	"ס'ד	8'4"	1304	1836	L-9	"ס'ד	8'4"	2548	L-9	"ס'ד	8'4"	4089
L-10	8'0"	9'4"	1138	1425	L-10	8'O"	9'4"	2216	L-10	8'0"	9'4"	3558
L-11	9'2"	10'8"	989	1236	L-11	9'2"	10'8"	1918	L-11	9'2"	10'8"	3081
L-12	10'0"	11'4"	904	1128	L-12	10'0"	11'4"	1749	L-12	10'0"	11'4"	2809
L-13	11'2"	12'8"	807	1004	L-13	11'2"	12'8"	1554	L-13	11'2"	12'8"	2497
L-14	12'0"	13'4"	749	931	L-14	12'0"	13'4"	1438	L-14	12'0"	13'4"	2312
L-15	12'8"	14'0"	305	783	L-15	12'8"	14'0"	1356	L-15	12'8"	14'0"	2180
1-16 (P.S.)	13'4"	14'8"	548	760	1-16 (P.S.)	13'4"	14'8"	1395	1-16 (P.S.)	13'4"	14'8"	1956
1-17 (P.S.)	14'0"	15'4"	491	687	1-17 (P.S.)	14'0"	15'4"	1326	1-17 (P.S.)	14'0"	15'4"	1857
1-18 (P.S.)	16'0"	17'4"	332	521	1-18 (P.S.)	16'0"	17'4"	1153	1-18 (P.S.)	16'0"	17'4"	1611
1-19 (P.S.)	18'0"	19'4"	233	406	1-19 (P.S.)	18'0"	19'4"	1019	1-19 (P.S.)	18'0"	19'4"	1412
1-20 (P.S.)	18'8"	20'0"	208	376	1-20 (P.S.)	18'8"	20'0"	980	1-20 (P.S.)	18'8"	20'0"	1368
1-21 (P.S.)	20'8"	21'4"	188	302	1-21 (P.S.)	20'8"	21'4"	880	1-21 (P.S.)	20'8"	21'4"	1223
1-22 (P.S.)	22'8"	24'0"	111	237	1-22 (P.S.)	22'8"	24'0"	740	1-22 (P.S.)	22'8"	24'0"	1106
			LES PRESTI RESSING STI		NOTE: (P.S.) = PRESTRESSED LINTLES USING (2) 7/16" DIAM, PRESTRESSING STRANDS				NOTE: (P.S.) = PRESTRESSED LINTLES USING (2) 7/16" DIAM. PRESTRESSING STRANDS			

-7 5/8"-

DETAIL C



GENERAL NOTES:

- 1) CODES
- 1.1 FLORIDA BUILDING CODE 1.2 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318).

for all C.M.U. Openings

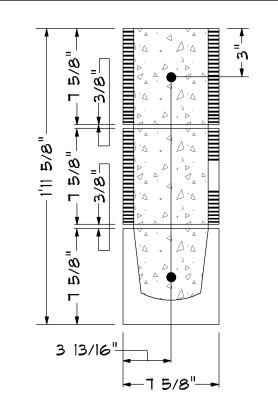
1.3 AMERICAN SOCIETY OF CIVIL ENGINEERS MINIMUM DESIGN LOADS FOR BUILDINGS & OTHER STRUCTURES (ASCE 7-16).

2) CONCRETE,

- 2.1 CONCERETE COMPRESSIVE STRENGTH @ 28 DAYS:
- 2.1.1 PRE-CAST W/STANDARD REINFORCEMENT 3500 PSI. 2.1.2 PRE-CAST W/PRESTRESSED REINFORCEMENT - 5000 PSI.
- 2,1,3 CONCRETE FILL (FEILD PLACED) 2500 PSI
- 2.2 REINFORCING BARS:
- 2,1,1 STEEL PLACED IN PRECAST LINTLE @ TIME OF FABRICATION ASTM A615 (GRADE 60). 2.1.2 STEEL IN LINTLE & KNOCK OUT BLOCK (FEILD
- PLACED) ASTM A615 (GRADE 40).
- 2.3 PRESTRESSED STRANDS ASTM A416 7-WIRE. 2.4 DETAIL REINFORCEMENT IN ACCORDANCE WITH
- ACI 315 2.5 CONCRETING OPERATIONS SHALL COMPLY WITH
- ACI STANDARDS.
- 3) MASONRY; 3.1 DESIGN & CONSTRUCTION SHALL CONFORM TO THE SPECIFICATION OF THE NATIONAL
- CONCRETE MASONRY ASSOCIATION & ACI 530/TM6402 3.2 MINIMUM MASONRY UNIT STRENGTH: 1250 PSI.
- 3.3 MORTAR SHALL BE TYPE S.
- 4) STRUCTURAL:

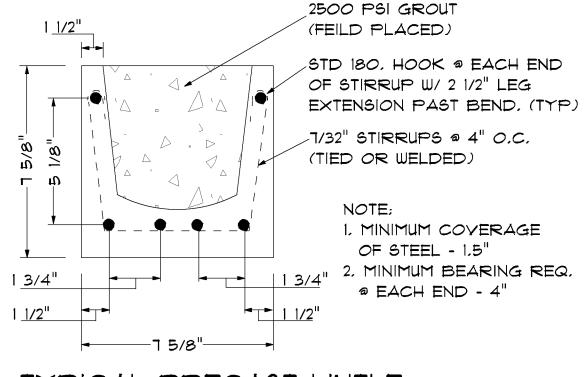
DECKS & BALCONIES = 60 P.S.F.

4.1 SAFE LOAD YALUES ARE BASEDON LINTLES HAYING A BEARING 8"



STRANDS

DETAIL L



TYPICAL PRECAST LINTLE

Smith