# **ABBREVIATIONS**

4	ADDR	EVIATIONS
	A/C	AIR COOLING UNIT
	ADJ	ADJACENT
	AFF	ABOVE FINISHED FLOOR
	AHU	AIR HANDLING UNIT
	ALUM	ALUMINUM
	BLK	BLOCK
	ВОТ	BOTTOM
	BRG	BEARING
	CJ	CONTROL JOINT
	CLG	CEILING
	COL	COLUMN
	CONC	CONCRETE
	CONT	CONTINUOUS
	CPT	CARPET
	DIA	DIAMETER
	DN	DOWN
	DWG	DRAWING
	EA	EACH
	ELEC	ELECTRIC
	EQ	EQUAL
	FF	FINISH FLOOR
	FTG	FOOTING
	НВ	HOSE BIB
	HDR	HEADER
	HGT	HEIGHT
	MAX	MAXIMUM
	MIN	MINIMUM
	NTS	NOT TO SCALE
	OPNG	OPENING
	SIM	SIMILAR
	TYP	TYPICAL

### area tabulation 'a'

GARAGE	403 SF
FRONT PORCH	38 SF
REAR PATIO	104 SF
FLOOR 1 LIVING	1,776 SF
TOTAL LIVING	1,776 SF

## area tabulation 'b'

GARAGE	403 SF
FRONT PORCH	117 SF
REAR PATIO	104 SF
FLOOR 1 LIVING	1,776 SF
TOTAL LIVING	1,776 SF

# Radford

Florida Region (Frame)

# **INDEX**

VLT

## **ARCHITECTURAL**

VAULT

UNLESS NOTED OTHERWISE

- GENERAL NOTES & LEGENDS
- EXTERIOR ELEVATIONS
- SLAB PENETRATION PLAN
- FLOOR PLANS
- SECTIONS & DETAILS
- INTERIOR DETAILS
- ROOF PLAN
- ELECTRICAL PLANS
- CONSTRUCTION DETAILS

	GARAGE	403	SF
	FRONT PORCH	117	SF
	REAR PATIO	104	SF
	FLOOR 1 LIVING	1,776	SF
	TOTAL LIVING	1,776	SF

39' - 1776 - RH

# **BUILDING CODE COMPLIANCE**

ALL CONSTRUCTION TO COMPLY WITH LOCAL CODES AND ORDINANCE CURRENTLY IN USE WITH THE LOCAL JURISDICTION.

PRODUCT: NEW SINGLE FAMILY DETACHED

OCCUPANCY CLASSIFICATION:

RESIDENTIAL R-3

CONSTRUCTION CLASS:

UNPROTECTED

CONSTRUCTION TYPE:

TYPE VB

EMERGENCY ESCAPE:

EGRESS OR RESCUE WINDOWS FROM SLEEPING ROOMS SHALL HAVE MINIMUM OF

FOLLOW ALL APPLICABLE STATE AND LOCAL CODES.

FLORIDA STATE SUPPLEMENTS AND AMENDMENTS.

2020 Florida Building Code, Residential, 7th Edition

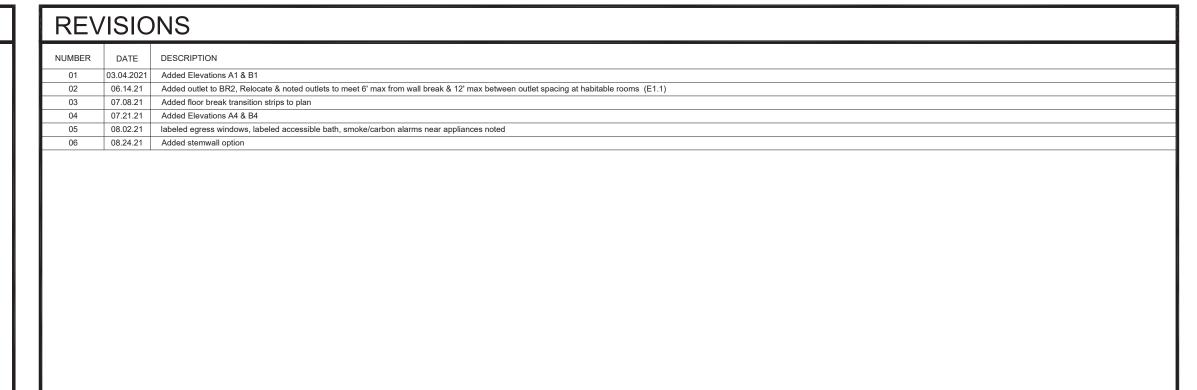
2017 National Electrical Code, NFPA 70

**Review for Code Compliance** Universal Engineering Science

Luydener Pernell

PX2707

11/09/2021









Reserve at Jewel Lake Lot 006 33-3S-16-02439-202 Lake City, FL 32024

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	(0		7
PLAN NUMBER:	33911776	RELEASE DATE:	12.22.2021

RADFORD

SHEET NO:

CS

# Keynotes | Legend

- CORROSION RESISTANT ROOF TO WALL FLASHING AT ALL ROOF / WALL INTERSECTIONS. CORROSION RESISTANT SCREEN LOUVERED VENTS, SIZE AS NOTED.
- BRICK WAINSCOT WITH SLOPED BRICK ROWLOCK CAP. STONE WAINSCOT WITH SLOPED STONE CAP.
- 3 1/2" VINYL TRIM SURROUND 36" H. GUARDRAIL AS REQUIRED



**Review for Code Compliance** Universal Engineering Science



PX2707





10-01-2021

Lot 006 33-3S-16-02439-202 Lake City, FL 32024

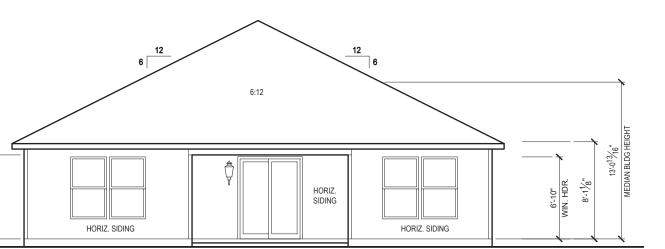
Reserve at Jewel Lake

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RELEASE DATE: 02.22.2021

DRAWING TITLE:

EXTERIOR ELEVATIONS



**REAR ELEVATION 'A1'** 

1/8" = 1'-0" @ 11x17

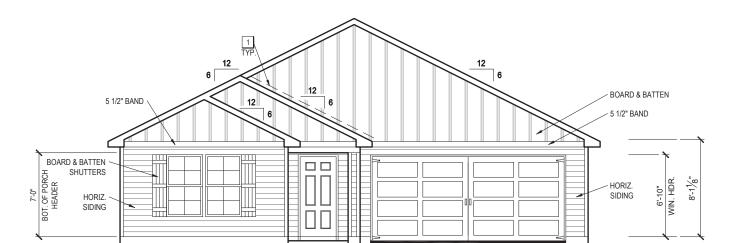
1/4" = 1'-0" @ 22x34

PLAN NUMBER: 33911776

RADFORD

SHEET NO:

1.1-A1



# FRONT ELEVATION 'A1'

1/8" = 1'-0" @ 11x17 1/4" = 1'-0" @ 22x34





6:12 HORIZ. SIDING

6:12

HORIZ. SIDING

6:12

HORIZ. ~

# LEFT SIDE ELEVATION 'A1' 1/8" = 1'-0" @ 11x17 1/4" = 1'-0" @ 22x34

**RIGHT SIDE ELEVATION 'A1'** 1/8" = 1'-0" @ 11x17 1/4" = 1'-0" @ 22x34



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RELEASE DATE: 02.22.2021 PLAN NUMBER: 33911776

DRAWING TITLE:

EXTERIOR ELEVATIONS

RADFORD SHEET NO:

1.2-A1

### GENERAL SLAB FOUNDATION NOTES

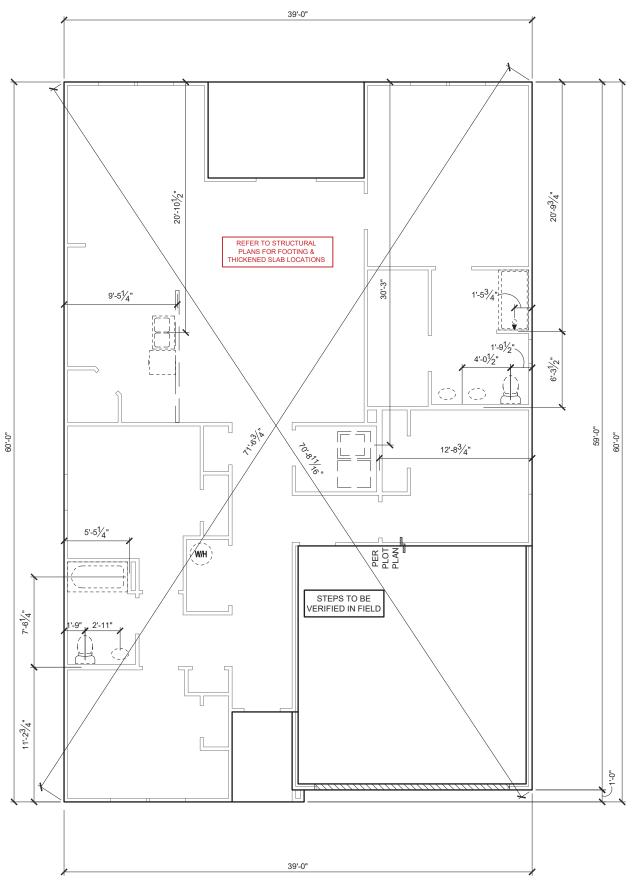
- PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL PLUMBING LOCATIONS.
- REFER TO EXTERIOR ELEVATIONS FOR BRICK/STONE LOCATIONS.
- GARAGE SLAB SHALL SLOPE TOWARD GARAGE DOOR OPENING.



Laurence No.

PX2707

11/09/2021



# SLAB PENETRATION PLAN 'A1'

1/8" = 1'-0" @ 11x17 1/4" = 1'-0" @ 22x34







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١.	- (	Century	Со	mmunities.		
	PLAN NUMBER:	33911776		RELEASE DATE:	02.22.2021	

RADFORD

DRAWING TITLE:

SLAB PENETRATION PLAN

SHEET NO:

2.1-A

#### **NOTES & LEGENDS**

- 1. REFER TO ENGINEERING STRUCTURAL DRAWINGS (S#) FOR BEARING WALL LOCATIONS AND FOR ALL BEAM & HEADER SIZES AND BEARING WALL LOCATIONS
- 2. ALL BEARING WALLS SHALL BE 16" O.C. WALL CONST. W/ DOUBLE TOP PLATE U.N.O.
- 3. ALL INTERIOR NON BEARING DOOR & WINDOW HEADERS SHALL BE (1) 2x4 OR (1) 2x6 W/VERTICAL CRIPPLERS @ 2-0" O.C. TO MATCH WALL WIDTH UNLESS NOTED OTHERWISE.
- 4. (2) HOSE BIBS SHALL BE INSTALLED, LOCATION TO BE DETERMINED BY PLUMBING CONTRACTOR

2X4 FRAME WALL BALLOON FRAME WALL (PER STRUCTURALS) OPTIONAL WINDOW 2X6 FRAME WALL

#### **KEYNOTES**

A1 GARAGE CEILING - 5/8" TYPE X DRYWALL, VERTICAL SURFACE WALLS - 1/2" DRYWALL A2 22"X30" ATTIC ACCESS CONSTRUCTED WITH GYP. BD. (5/8" TYPE X

AZ 22\*X30" AT IT CACCESS CONSTRUCTED WITH GYP. BU. (6/6" TYPE.)
AT GRANGE) WITH DOOR TRIM FRAME ACCESS SUPPORT
A3 PROVIDE 6" MIN. FLAT CLG AT ANGLED CLG CONDITION
A4 PULL DOWN STAIRS 25.5" x 5.4"
A5 TEMPERED SAFETY (LASS PER IRC R308.4
A6 HOUSE TO GARAGE DOOR SEPARATION. PROVIDE APPROVED 20

MINUTE RATED DOOR PER IRC 302.5.1

MINUTE NATIONAL DUOM PER ING. 302.5.1

A CC CONDENSER PAD. REFER TO SITE PLAN FOR FINAL LOCATION.
VERIFY CONNECTION TO CONC. PAD WI MANUF. SPECS
AS 12\*TYPEX DRYWALL AT ACCESSIBLE AREAS UNDER STAIRS
A9 LOUVERED DOOR W/ GAS FURNACE

D1 DRYWALL SOFFIT - 12" DROP FROM CEILING LINE

D2 DRYWALL SOFFIT - 8" DROP FROM CEILING LINE

K1 39" KNEE WALL WITH CAP PER SPECS

K2 38" KNEE WALL WITH 1x CAP

K3 46" KNEE WALL WITH CAP PER SPECS

K4 34 1/2" KNEE WALL

K5 42" KNEE WALL WITH 1x CAP

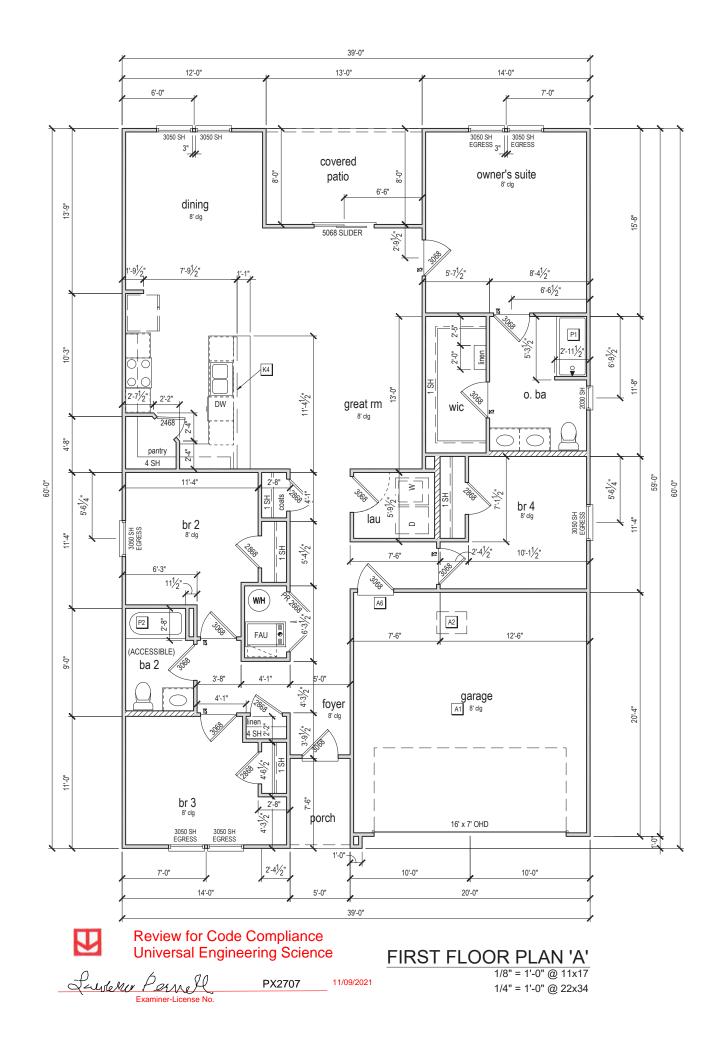
K6 KNEE WALL WITH 1x CAP 42" ABOVE STAIR NOSING OR LANDING

P1 30" X 60" SHOWER ENCLOSURE PER SPECS P2 30"X60" TUB PER SPECS

S1 BOX STAIR WITH 38" KNEE WALL & 1X CAP S2 1X CAPPED STRINGER, TOP AT 3" ABOVE TREAD

## area tabulation 'a'

GARAGE	403 SF
FRONT PORCH	38 SF
REAR PATIO	104 SF
FLOOR 1 LIVING	1,776 SF
TOTAL LIVING	1,776 SF





10-01-2021



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RELEASE DATE: 02.22.2021 PLAN NUMBER: 33911776

FIRST FLOOR PLAN

RADFORD SHEET NO:

3.1-A

## ATTIC VENT CALCULATION

ATTIC VENTILATION TO COMPLY w/ F.B.C RESIDENTIAL CODE. THE REQUIRED NET FREE VENTILATING AREA OF NOT LESS THAN 1/150 OF THE SPACE VENTILATED. AREA MAY BE REDUCED TO 1/300 PROVIDED THAT 40 TO 50 PERCENT OF THE REQ'D VENTILATING AREA IS PROVIDED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 3 FEET ABOVE EAVE OR CORNICE WITH THE BALANCE OF THE REQ'D VENTILATION PROVIDED BY THE EAVE OR CORNICE VENTS.

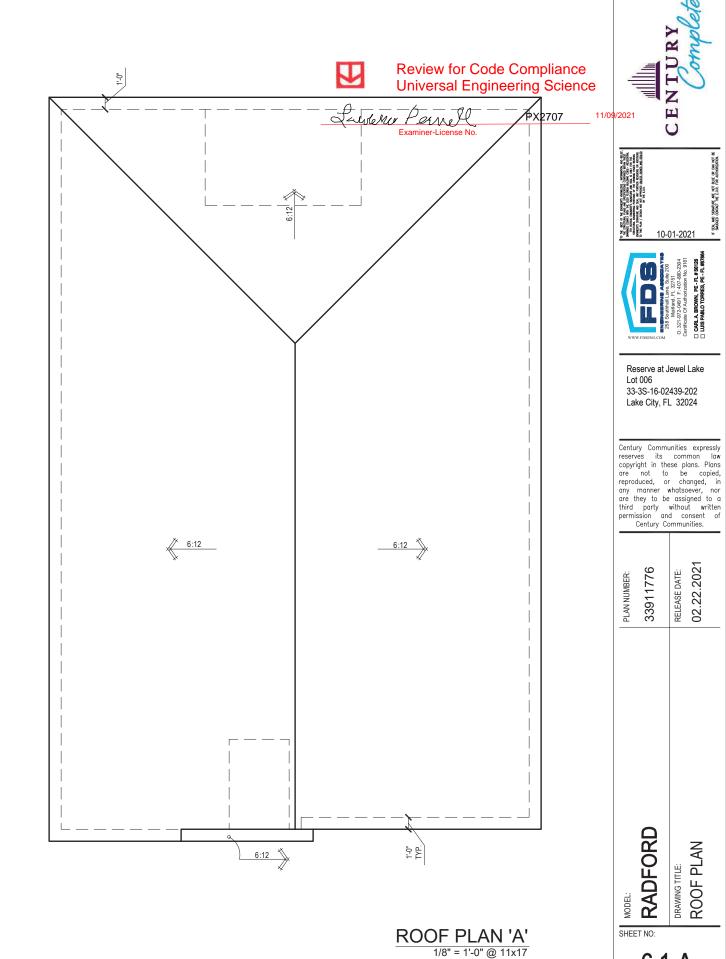
MANUFACTURE SELECTED TO VERIFY THE NET FREE VENTILATION OF THE VENT PRODUCT SELECTED AND TO MAINTAIN THE REQUIRED VENTILATION.

DO NOT LOCATE VENTS ON ROOF PLANE(S) FACING STREET.

ROOF VENTILATION CALCULATIONS						
ROOF AREA	2,523 SF					
TOTAL NET FREE AREA REQ'D (1 TO 300)	1211.0 SQ. IN.					
MAIN HOUSE INLET (SOFFIT) VENTILATION	100.0 LF x	6.4 SQ. IN / LINEAR FT =	640.0 SQ. IN.			
POD VENT(S) REQUIRED WITH BASE HOUSE	9	VENTS AT 70.0 SQ. IN EA. =	630.0 SQ. IN.			
LOWER VENTING PROVIDED (605.5 SQ. IN. REQ'D)	640.0 SQ. IN	50.4%				
UPPER VENTING PROVIDED (605.5 SQ. IN. REQ'D)	630.0 SQ. IN	49.6%				

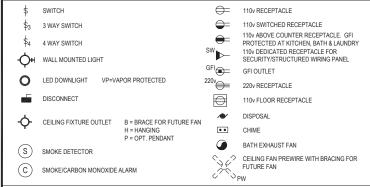
NOTE: TYPICAL VENTILATION INCLUDES:

I. SOFFIT VENTS
(AREA: 6.4 SQ. IN PER FOOT - VERIFY WITH MANUFACTURE)
2. LOMANCO 770° ATTIC VENT LOCATED 12" MIN. FROM RIDGE
(AREA: 70 SQ. IN. - VERIFY W MANUFACTURE)
\*(1) LOMANCO 770D VENT AT 140 S.I. EA.CAN BE USED IN PLACE OF (2) 770 VENTS.



1/4" = 1'-0" @ 22x34

### **ELECTRICAL LEGEND**



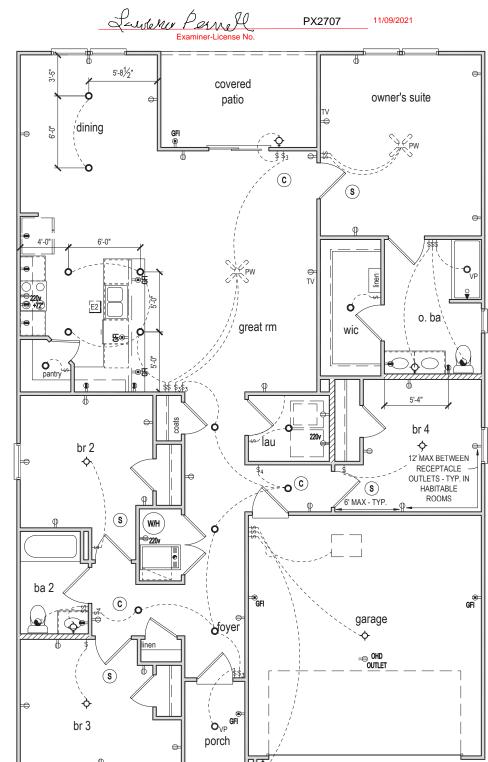
- PROVIDE ADDITIONAL EXTERIOR WEATHERPROOF RECEPTACLE WITHIN 15 FEET OF CONDENSING UNITS
   INSTALL GFCI AND ARC FAULT CIRCUIT IINTERRUPTER PROTECTION PER NEC SECTIONS 210.52G

- ALL GARAGE OUTLETS SHALL BE ON A DEDICATED CIRCUIT
  IONIZATION SMOKE ALARMS WITH AN ALARM-SILENCING SWITCH SHALL NOT BE INSTALLED LESS THAN 10 FEET (3048 MM)
  HORIZONTALLY FROM A PERMANENTLY INSTALLED COOKING APPLIANCE.
- DWGS. ARE DIAGRAMMATICAL & INDICATE THE GENERAL ARRANGEMENT OF THE ELECTRICAL WORK, ANY DISCREPANCIES ON THE DOCUMENTS SHALL BE CALLED TO THE ARCHITECT'S ATTENTION PRIOR TO THE COMMENCEMENT OF WORK, DO NOT SCALE ELECTRICAL DRAWINGS.

## **KEYNOTES**

- E1 ELECTRICAL PANEL PER SPECS
- E2 INSTALL GFI OUTLET UNDER SINK FOR FUTURE DISPOSAL
- E3 DOOR CHIME TRANSFORMER LOCATION
- E4 MECHANICAL ROOMS TO INCLUDE KEYLESS LIGHT, PLUG AND DISCONNECT FOR AIR HANDLER
- E5 COACH LIGHT ONLY IF REQUIRED BY LOCAL MUNICIPALITY. INSTALL AT 68" AFF
- E6 INSTALL COACH LIGHT AT 68" AFF





## FIRST FLOOR ELECTRICAL PLAN 'A'

1/8" = 1'-0" @ 11x17 1/4" = 1'-0" @ 22x34



10-01-2021

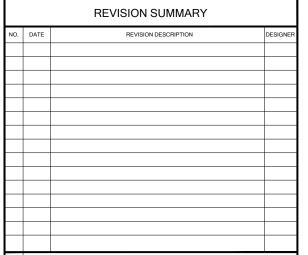
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MODEL:	PLAN NUMBER:
RADFORD	33911776
DRAWING TITLE:	RELEASE DATE:
FIRST FLOOR ELECTRICAL	02.22.2021

SHEET NO:

E1.1



#### **ABBREVIATIONS**

A.E	3.	Anchor Bolt	Flr. Sys.	Floor System	PSF	Pounds per square foot
Ab	٧.	Above	F.O.M.	Face Of Masonry	P.T.	Pressure Treated
Adj	į.	Adjustable	Ft.	Foot / Feet	Rad.	Radius
A.F	.F.	Above Finished Floor	Ftg.	Footing	Reg'd.	Required
AL	T.	Alternate	Galv.	Galvanized	Rm.	Room
Bm	1.	Beam	G.C.	General Contractor	Rnd.	Round
B/E	Beam	Bottom of Beam	G.F.I.	Ground Fault Interrupter	S.F.	Square Ft.
Brg	J.	Bearing	G.T.	Girder Truss	SHT	Sheet
Cai	nt.	Cantilever	Hdr.	Header	S.L.	Side Lights
Cir.		Circle	Hgt.	Height	S.P.F.	Spruce Pine Fir
Clg	l.	Ceiling	Int.	Interior	Sq.	Square
CJ		Control Joint	K/Wall	Kneewall	S.Y.P.	Southern Yellow Pine
Col	l.	Column	L.F.	Linear Ft.	Thik'n.	Thicken
Co	nt.	Continuous	Mas.	Masonry	T.O.B.	Top of Block
Dbl	l.	Double	Max	Maximum	T.O.M.	Top of Masonry
Dia	١.	Diameter	Min	Minimum	T.O.P.	Top of Plate
Ea.		Each	M.L.	Microlam	Trans.	Transom Window
E.V	٧.	Each Way	Mir.	Mirror	Typ.	Typical
Ele	C.	Electrical	Mono	Monolithic	U.N.O.	Unless Noted Otherwise
Ele	v.	Elevation	N.T.S.	Not to Scale	Vert.	Vertical
E.C	D.R	Engineering or Record	O.C.	On center	V.L.	Versalam
Ext	L	Exterior	Opn'g.	Opening	VTR	Vent through Roof
Exp	٥.	Expansion	Opt.	Optional	W	Washer
F.B	.C.	Florida Bldg. Code	Pc.	Piece	W/	With
Fin	. Flr.	Finished Floor	P.L.	Parallam	W.A.	Wedge Anchor
Flr.		Floor	PLF	Pounds per linear foot	Wd	Wood
Edr	1	Foundation	Plt. Ht.	Plate Height	WP	Water Proof

## **Review for Code Compliance Universal Engineering Science**



# **CENTURY COMPLETE 39-1776 RADFORD A RH**

#### STRUCTURAL DESIGN CRITERIA

#### **CODE CRITERIA**

- FLORIDA FIRE PREVENTION CODE 7TH EDITION (2020)
- NEPA 70-17 NATIONAL ELECTRICAL CODES (NEC 2017)
- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
- BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13).
- NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION 2018 EDITION
- WOOD FRAMED CONSTRUCTION MANUAL 2018 EDITION
- APA PLYWOOD DESIGN SPECIFICATION E30-16
- AMERICAN SOCIETY OF CIVIL ENGINEERS: ASCE/SEI 7-16

#### GENERAL ROOF LOADING

	SHINGLE	METAL	TILE	HEAVY
	ROOF (PSF)	ROOF (PSF)	ROOF (PSF)	ROOF (PSF)
TOP CHORD LL	20	20	20	20
TOP CHORD DL	10	10	15	25
BOTTOM CHORD LL*	0	0	0	0
BOTTOM CHORD DL	10	10	10	10
TOTAL (PSF)	40	40	45	55
BOTTOM CHORD LL (OPT) ATTICS W/ LIMITED STORAGE ATTICS W/ HEAVY STORAGE * ATTICS W/ NO STORAGE	20 50 10			
(NIONLCONICLIDEENT)				

NOTE: LL REDUCTIONS ARE ALLOWED PER CODE BUT ONLY WITH WRITTEN APPROVAL FROM EOR OR INDICATED ON PLAN

#### GENERAL FLOOR LOADING

TOP CHORD LL TOP CHORD DL	40 (PSF) 10 (PSF)	COMMENTS:
BOTTOM CHORD LL BOTTOM CHORD DI	0 (PSF) 5 (PSF)	

## SPECIAL FLOOR LOADING

ME ROOM / READING ROOMS	60 (PSF)	COMMENTS:
LCONIES/ DECKS	40(PSF)	d. A SINGLE CONCENTRAT
LCONIES OVER 100 SQ:FT	100(PSF)	APPLIED IN ANY DIRECT
SHT STORAGE	125(PSF)	POINT ALONG THE TOP.
JARDRAILS AND HANDRAILS	200(LBS)(d)	f. BALUSTERS AND PANEL
JARDRAIL IN-FILL COMPONENTS	50 (LBS)(f)	SHALL BE DESIGNED TO
AIRS / NON SLEEPING ROOMS	40 (PSF)	A HORIZONTALLY APPLIE
EEPING ROOMS	30 (PSF)	LOAD OF 50 POUNDS ON
BRARIES - STACK ROOMS	150(PSF)	EQUAL TO 1 SQ. FT.
BITABLE ATTICS SERVED		
FIXED STAIRS	30(PSF)	
SSENGER VEHICLE GARAGES	50(PSF)	

DEFLECTION CRITERIA				
ROOF TRUSSES* ROOF RAFTERS ROOF RAFTERS (W/O CLG) FLOOR TRUSSES/ BEAMS ** FLOOR I-JOIST***	LL/360 LL/180 LL/360 LL/360 LL/480	TL/240 TL/120 TL/240 TL/240 TL/240	COMMENTS:	

#### **TERMITE SPECIFICATIONS**

## SECTION R318 PROTECTION AGAINST TERMITES

ESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVEI ETHODS OF TERMITE PROTECTION LABELED FOR USE A PREVENTIVE TREATMENT TO NEW

- METHOD OF TREATMENT SHALL BE APPROVED BY THE GOVERNING JURISDICTION "LIQUID BORATE OR BOR-A-COR" PRODUCT METHODS MUST BE DETERMINED AT PERMIT STAGE AND PRODUCT APPROVAL DATA MUST BE ON PILE WITH THE BUILDING DEPARTMENT. PRESSURE TREATED LUMBER THAT HAS BEEN CUT OR DRILLED THAT EXPOSES UNTREATED
- PORTIONS OF WOOD ARE REQUIRED TO BE FIELD TREATED TO PREVENT INSECT INFESTATION. OPTIONAL BORATE APPLIED TO ALL FRAME MEMBERS WITHIN 24" A.F.F.

## - - NOTICE TO BUILDER AND ALL SUBCONTRACTORS-

FIS THE INTENT OF THE ENGINEER LISTED IN THE TITLEBLOCK OF THESE DOCUMENTS THAT THESE OCUMENTS BE ACCURATE, PROVIDING LICENSED PROFESSIONALS CLEAR INFORMATION. EVERY TTEMPT HAS BEEN MADE TO PREVENT ERROR. THE BUILDER AND ALL SUBCONTRACTORS ARE

- JURIEU 10:
  REVIEW ALL THE INFORMATION CONTAINED IN THESE DOCUMENTS, PRIOR TO THE COMMENCEMENT OF ANY WORK. THE ENGINEER ARE NOT RESPONSIBLE FOR ANY PLAN ERFOMISSIONS, OR MISINTERPRETATIONS UNDETECTED AND NOT REPORTED TO THE ENGINEER
- SHALL STRICTLY OBSERVE ALL APPLICATION CODES DURING THE COURSE OF CONSTRUCTION INCLUDING ALL STATE, CITY, AND COUNTY BUILDING, ZONING, ELECTRICAL, MECHANICAL, PLUMBING AND FIRE CODES. CONTRACTOR SHALL VERIFY ALL CODE REQUIREMENTS PRIOR TO
- PLUMINING AND THE OUDES. CUNITAGE THAT STRALL VERIFT ALL OUDE REQUIREMENTS FROM TO COMMENCEMENT OF WORK. THE ARCHITECT / ENGINEER SHALL NOT BE RESPONSIBLE FOR SAFETY PROCEDURES, THE MEAN AND METHODS OF CONSTRUCTION, TECHNOLOGIES, OR THE CONTRACTION TO CARRY OUT THE WORK IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS OR RELATED CODES. THE FRAMING PLAN SHOWN INDICATES THE "TRUSS SYSTEM AND IS THE RESPONSIBILITY OF THE TRUSS SYSTEM ENGINEER (DESIGN PROFESSIONAL OF RECORD). THE TRUSS DESIGN ENGINEER
- (DELEGATED ENGINEER) HAS FINAL, RESPONSIBILITY FOR EACH INDIVIDUAL TRUSS AND TRUSS PROFILE, AND IS TO SUBMIT A FINAL SET OF TRUSS ENGINEERING SIGNED AND SEALED TRUSS
- PROVIDE ART IS TO DESIGN PROFESSIONAL OF RECORD FOR REVIEW PRIOR TO FABRICATION ANY DISCREPANCY OR ERROR IN DIMENSIONS OR NOTES WITH IN THIS PLAN SHALL BE BROUGH TO THE ATTENTION OF THE DESIGN PROFESSIONAL FOR CLARIFICATION PRIOR TO
- CONSTRUCTION. ALL CONSTRUCTION MUST BE IN ACCORDANCE TO THE INFORMATION FOUND IN THESE ALL CUNSTRUCTION MUST BE IN A REACONDAING. THE INFORMATION FOUND IN THESE PLANS SHOULD DOCUMENTS. ANY QUESTIES HE IN A REACONDAING THE INFORMATION FOUND IN THESE PLANS SHOULD BE DIRECTED TO DUR QUALITY ASSURANCE MANSAGER AT 321-97-9491 IMMEDIATELY. NO BACK CHARGES WILL BE CONSIDERED FOR REIMBURSAMERT AT 321-97-9491 IMMEDIATELY. NO BACK ADVANCED NOTIFICATION AND APPROVAL BY THE ENGINEER. PAYMENTS WILL BE MADE IN ACCORDANCE TO THE TERMS OF THE AGREEMENT.

#### HOME MAINTENANCE & INSPECTIONS

YEARLY MAINTENANCE AND INSPECTIONS BY THE BUILDER/HOMEOWNER ARE NECESSARY FOR THE FUTURE LIFE OF THIS HOME. CARE MUST BE TAKEN TO CHECK WINDOWS AND DOORS FOR CALILKING REMOVE LEAVES AND DEBRIS OFF ROOFS, MAKE SURE THAT WATER FLOW IS AWAY FROM THE HOUSE AND HAVE YOUR HOME REPAINTED EVERY 3 - 5 YEARS TO PROTECT HOUSE AND HAVE YOUR HOME REPAIN LED EVERY 3 - 5 YEARS 10 PROTECT THE COATINGS. THE DESIGNER AND ENGINEER OF RECORD ARE NOT RESPONSIBLE FOR THE UPKEEP OF THE HOME AND WILL NOT BE HELD LIABLE FOR INSTANCES THAT MAY OCCUR OVER THE NORMAL LIFE OF THE HOME WITHOUT PROPER MAINTENANCE.

#### CAST IN PLACE REINFORCED CONCRETE

- PLUS OR MINUS 1\*, AND HAVE 2 TO 5% AR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.63
  HONGS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS.
  HORIZONTAL FOOTING BARS SHALL BE BENT 25\* AROUND CORNERS OR CORNER BARS WITH A 25\* LAP PROVIDED EA WAY.
  CONCRETE COVER MIN. 3\* WHEN EXPOSED TO BARTH OR 11 62\* TO FORM U.N.
  FIBER MESH LENGTH SHALL BE ½\* TO 22\*, DOSAGE AMOUNT SHALL BE FROM 1.0 TO 1.5 LBS PER CUBIC YARD IN ACCORDANCE WITH THE
  MANUFACTURERS AND SHALL COMPLY WITH ASTAIL C1116
  ALL REINFORCING STEEL / STIRRUPS AND TIES SHALL BE NEW DOMESTIC DEFORMED BARS FREE FROM RUST SCALE & OIL & SHALL MEET ASTM A615/
  ASTS MISS OF OU NO. REINFORCING FOR FOOTING SHALL DE SUPPORTED ON PRE-CAST CONCRETE PADS. STEW RICE OR PLAYED TO PREINFORCING SHALL BE FOSITIVELY SUPPORTED BY TEMPORARY STRINGERS. DOWELS FOR COLUMNS & FILLED CELLS SHALL BE SECURED IN
- REINFORCING SHALL BE POSITIVELY SUPPORTED BY TEMPORARY STRINGERS. DOWELS FOR COLUMNS & FILLED CELLS SHALL BE SECURED IN PLACE BY USING ADDITIONAL CROSS. REINFORCING THE TOP COTTING REINFORCING. SPLICES IN REINFORCING PER PERMITTED SHALL BE AS PER DETAIL M99501.

  HIGH STRENGTH SIMPSON SET EPOXY-TIE WAS USED IN THE DESIGN OF THIS PRODUCT. IF CONTRACTORS WISH TO USE A DIFFERENT EPOXY, THEY MUST RIFST CONTRACT THE ENGINEER OF RECORD FOR WRITTEN APPROVED.

  WHERE PROJECT IS TO BE LOCATED IN ROWON RIFDON ADD ON A STRENGTH OF THE FLORIDA BUILDING CODE THE EDITION (200) RESIDENTIAL IS TO BE MATERIAL BUILDING CODE THE EDITION (200) RESIDENTIAL IS TO BE MATERIAL BUILDING CODE THE EDITION (200) RESIDENTIAL IS TO BE MATERIAL BUILDING CODE THE EDITION (200) RESIDENTIAL IS TO BE AN EXAMINATED AND ADDITION FOR THE FORM THE PROPERTY IN THE SERVER AS HE TO BE AMINIMUM OF SO, THE THE FORM, AND ADDITION THE PROPERTY IN THE PROPERTY IN THE CONCRETE STRENGTH.

- HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90-014, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 2000 PSI (1 M= 2000 PSI )
  MORTAR SHALL BE TYPE "S: CONFORMING TO ASTM C270-14A.
  COARSE GROUT SHALL CONFORM TO ASTM C476-10 WITH A MAXIMUM AGGREGATE SIZE OF 38" AND A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI SLUMP 8" TO 11". CONTINUOUS MASONRY INSPECTIONS ARE REQUIRED DURING CONSTRUCTION
  GRADE 50 UNIO. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT.
- GRADE 60 U.N.O. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT.

  GRADE 60 U.N.O. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMM SPACING OF 192 DIA OR 10FT
  WHICH EVER IS LESS. REINFORCING SHALL BE FLACED IN THE CENTER OF THE MASONRY CELL WITH MIN 1/2" CLEARANCE TO INSIDE FACE.
  REINFORCING STEEL SHALL BE LAPPED PER DETAIL MSSODI, LUNESS OTHERWISE NOTED ON THE DRAWINGS.
  GROUT STOPS SHALL BE PROVIDED BELOW BOND BEAM, PLASTIC SCREEN, METAL LATH STRIP OR CAVITY CAPS MAY BE USED TO PREVENT THE
  FLOW OF GROUT INTO CELLS BELOW. THE USE OF FELT PAPER AS A STOP IS PROHIBITED.
  TEMPORARY BRACING AND SHORING OF WALL TO PROVIDE STABILITY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR
  TYPICAL FILLED CELL REINFORCING SIZE AND SPACING SHALL BE ABOVE AND BELOW ALL WALL OPENINGS
  DO NOT APPLY UNIFORM LOADS TO MASONRY WALLS FOR (3) DAYS AND NO CONCENTRATED LOADS FOR (7) DAYS. PER CODE ACI 318-14
  CONSOLIDATE POURS EXCEEDING 21'N HIGHER IF AY MECHANICAL VIBRATION AFTER INITIAL
  WATER LOSS AND SETTLEMENT HAS OCCURRED. GROUT SHALL BE FLUSH WITH TOP OF WALL.

- CBA-A OR CA-B REQUIRE HOT-DIPPED GALVANIZED OR STAINLESS STELE FASTENERS. DOT SODIUM BORATE (SBX) DOES NOT.

  ALL EXPOSED WOOD OR WOOD IN CONTACT WITH LEARTH OR CONCRETE TO BE PRESSURE TREATED.

  UNTREATED WOOD SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE OR MASONRY. SEAT PLATES SHALL BE PROVIDED AT BEARING LOCATIONS
  WITHOUT WOOD ENT OP PLATES.

  SEE PLAN FOR STUD PACK AND BEAM NAILING PATTERNS.

  SEE PLAN FOR STUD PACK AND BEAM NAILING PATTERNS

  ALL ENGINEERED LUMBER TO HAVE THE FOLLOWING MIN VALUES U.N.O.

  PARALLAM COLUMNS: 18E Fb = 2400 PSI

  MICROLAM (LV) BEAMS: SUPE Fb = 2500 PSI

  GILLAM BEAMS: SIPSP 24F-VS LAYUP (1.7 EF B=2400 PSI) MIN.

  SEE PLAN NOTE FOR ADDITIONAL ROOF, WALL, SHEAR WALL AND FLOOR SHEATHING REQUIREMENTS ALONG WI NAILING INFORMATION OTHERWISE:

  ROOF DECK PL WOOD C-CLO, EXTERIOR OR OSE.

  PLAN OF A GROUP TAP AR PAREE (BE 1,000 PSI) SHEATHING SHALL FINISH FLUSH TO EXTERIOR WALL FACE.

  PLAN OF A GROUP TAP AR PAREE (BE 1,000 PSI) STANDERS OF SHOOTING TO EXTERIOR OR OSE.

  PLAN OF THE PLAN TOTE OF ADDITIONAL PARENTS OF THE PLAN TOTE OF THE PLAN TOTE

- 2. FLOOR SHEATHING: T&G AC GROUP 1 APA RATED (4824) SHEATHING SHALL FINISH FLUSH TO EXTERIOR WALL FACE.
  WALL SHEATHING: J'<sub>K</sub>: TSHUCUTURAL 10S BEXPOSURE 1 GROUP 1 SEPCIFIC GRAVITY, G=0.50, MIN.). A MINIMUM J'<sub>K</sub>: SPACE IS RECOMMENDED BETWEEN PANELS AT EDGE AND END JOINTS TO ALLOW FOR EXPANSION. PER R60.3 SHEATHING SHALL NOT BE USED AS WEATHER RESISTANCE BARRIER UNLESS SPECIFIED.
  LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION-RESISTANT MATERIALS. EXPANDED METAL OR WOVEN WIRE LATH SHALL BE ATTACHED TO WOOD SHEATHING WITH L'<sub>K</sub>: LONG, 11 GAGE NAILS HAVING A J'<sub>K</sub>: NEAD, OR 1 J'<sub>K</sub>: LONG, 16 GAGE STAPLES, SPACED IN ACCORDANCE WITH ASTM C1062 OR C1787, OR AS OTHERWISE APPROVED (RFE. 2020 FBC-R7703.7.1).

#### STRUCTURAL STEEL

**GENERAL STRUCTURAL NOTES** 

- IATERIAL SPECIFICATIONS: WIDE FLANGE SECTIONS: ASTM A992, GRADE 50, Fy=50 KSI TUBE STEEL (HSS): ASTM A500, GRADE B, Fy = 46 KSI PIPE TEEL: ASTM F3125, TYPE E OR S, Fy = 35 KSI ALL OTHER STRUCTURAL & MISC. STEEL: A36 Fy=36 KSI STRUCTURAL CONNECTIONS: ALL STRUCTURAL
- STEEL: ASTM F3125, TYPE E OR S, Fy = 35 KSI ALL OTHER STRUCTURAL & MISC. STEEL: A36 Fy-36 KSI STRUCTURAL CONNECTIONS: ALL STRUCTURAL BOLTS TO BE A325 U.N.O.
  STRUCTURAL BOLTS SMALLER THAN 5/8\* DIA. TO BE A307 THREADED ROD SHALL CONFORM TO A36 OR A307 ANCHOR BOLTS SHALL CONFORM TO A5TM F1554 ALL BOLTS CAST IN CONCRETE: ASTM A36 OR A370 FSHOP AND FIELD WELDS: E70XX ELECTRODES STEEL REINFORCEMENT SHOP DRAWINGS TO BE PROVIDED TO ENGINEER OF RECORD BEFORE FABRICATION FOR REVIEW AND APPROVED TO A STRUCTURAL BOLTS TO SEA A225N U.N.O. ALL A225N BOLTS SHALL BE BROUGHT TO A "SNUG-TIGHT" CONDITION, AS DEFINED IN THE SPECIFICATION. SLIP CRITICAL (SC) BOLTS MUST BE FULLY TENSIONED PER SPECIFICATION STRUCTURAL BOLTS TO SHALL BOLTS TO AS THE AST AND A STRUCTURAL BOLTS SHALL CONFORM TO ASTM F1554 ALL BOLTS CAST IN CONCRETE.
- WELDS SHALL BE  $\frac{1}{16}$ " UNO.

  SHOP DRAWINGS OF ALL STRUCTURAL STEEL SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO FABRICATION. SHOP SYMBOLS AND SHOW SIZE, LENGTHS, AND TYPES OF WELDS. PROVIDE SETTING DRAWINGS STEEPLATES, AND SHOR STEEL LENGTHS, AND TO STALL TO STALL THE STALL OF STRUCTURAL STEEL MEMBERS, PROCEDURES, AND DIAGRAMS INCLUDING DETAILS OF CUTS, CAMBERS, HOLES, PROFILES, SIZES, SPACING, AND LOCATIONS OF STRUCTURAL MEMBERS, CONNECTION ATTACHMENTS, FASTENERS, LOAD, TOLERANCES, AND OTHER PERTINENT DATA. INDICATE WELDS BY STANDARD AWS SYMBOLS AND SHOW SIZE, LENGTHS, AND TYPES OF WELDS. PROVIDE SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLATION OF
- A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND

- ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR

- ANCHORS PER STRUCTURAL PLAN
  PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
  TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED WITH A MANUMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25%) TO WITHSTAND THE LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOAD.
  BRIDGING FOR PRE-EMPOREDED TRUSSES SHALL BE AS REQUIRED BY THE TRUSS MANUFACTURER UNLESS NOTED ON THE PLANS.
  TRUSS ELEVATIONS AND SECTIONS ARE FOR CEMERAL CONFIGURATION OF TRUSSES ONLY. WEB MEMBERS ARE NOT SHOWN, BUT SHALL BE
  DESIGNED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE FRAMING DESIGN LOAD.
  DESIGN SPECIFICATIONS FOR LIGHT WEIGHT METAL PLATE CONNECTED WOOD TRUSSES FER THE TRUSS PLATE INSTITUTE TO LATEST EDITION.
  PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE HAMBURSCTURER IN ACCORDANCE WITH SPECIFICADES AND GOVERNING CODES.
  SUBMITTALS SHALL INCLUDE TRUSS FRAMING PLANS AND DETAILS SHOWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS
  COCATIONS, AND PERMANENTS TREATING PRICHING REPORTIONS AND DETAILS SHOUWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS
  COCATIONS, AND PERMANENTS TREATING REPORTIONS. LOCATIONS, AND PERMANENT BRACING ANDOR BRIGOING AS REQUIRED FOR RECEION AND FOR THE PERMANENT STRUCTURE. CUSTINES HOUSE, INCLUDING STRUCTURE FOR THE PERMANENT STRUCTURE. EACH SUBMITTAL SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED STRUCTURAL ENGINEER. SUBMIT 3 COPIES FOR REVIEW AND APPROVAL PRIOR TO
- THE TRUSS MANUFACTURER SHALL DETERMINE ALL SPANS WORKING POINTS, BEARING POINTS, AND SIMILAR CONDITIONS. TRUSS SHOP DRAWINGS SHALL SHOW ALL TRUSSES, ALL BRACING MEMBERS, AND ALL TRUSS TO TRUSS HANGERS.

UPLIFT CONNECTORS SUCH AS HURRICANE CLIPS, TRUSS ANCHORS AND ANCHOR BOLTS ARE ONLY REQUIRED ON MEMBERS IN WALLS THAT ARE EXPOSED TO UPLIFT OR LATERAL FORCES. INTERIOR LOAD BEARING WALLS ARE NOT ALWAYS EXPOSED TO UPLIFT FORCES. THE MEMBERS OF THESE WALLS WOULD NOT NEED TO HAVE CONNECTORS APPLIED. PLEASE COORDINATE THE TRUSS ENGINEER FOR THE LOCATION OF THESE WALLS AND STRUCTURAL PLANS FOR MORE INFO.

- MISSED "J" BOLTS FOR WOOD BEARING WALLS MAY BE SUBSTITUTED WITH 1/2" DIA. EPOXY ANCHORS WITH 7" EMBEDMENT. SIMPSON "SET" EPOXY ADHESIVE BINDER FOLLOWING ALL MANUFACTURER'S RECOMMENDATIONS OR SIMPSON 12": TITEN HD BOLTS WITH MINIMUM 7" EMBEDMENT. SEE PLAN FOR EMBEDMENT DEPTH AT FLOOR STEPS.
  FOR MISSED VERT. DOWELS, DRILL A 34" DIAMETER HOLE 6" DEEP AT THE LOCATION OF THE OMITTED REBAR AND INSTALL A 32" LONG #5 BAR INTO THE EPOXY FILLED HOLE. USE A TWO PART EMBEDMENT EPOXY (SIMPSON HIGH STRENGTH EPOXY-TIE ANCHORING ADHESIVE.) MIXED PER THE
- ANUFACTURERS INSTRUCTIONS. ASSURE THAT ALL DUST AND DEBRIS FROM DRILLING ARE REMOVED FROM THE HOLE BY BRUSHING AND USING OMPRESSED AIR PRICAT TO APPLYING THE EPOXY. ALLOW THE EPOXY TO CURE TO THE MANUFACTURERS SPECIFICATIONS, THEN FILL THE CELL IN
- 'HE NORMAL WAY DURING BOND BEAM POUR.
  'OR MORTAR JOINTS LESS THAN 1/4", PROVIDE (1) #5 VERT. IN CONC. FILLED CELL EACH SIDE OF THE JOINT (BAR DOES NOT HAVE TO BE CONT. TO FOOTING ).

  MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED WITH (1) SIMPSON MTSM16 TWIST STRAP WI (4) ½"x 2½" TITENS TO MASONRY AND (7)-10d NAILS TO TRUSS FOR UPLIFTS LESS THAN 860 LBS (USE (2) MTSM16 FOR UPLIFTS LESS THAN 1660#). IF CORNER STRAP IS MISSED, CONTRACTOR IS TO INSTALL (2) SIMPSON HGAM10 WI (4) 14" x 1 1/2" SDS SCREWS AND (5) 1/4" x 2 14" TITENS ONE EACH SIDE OF TRUSS.

  MISSED, CONTRACTOR IS TO INSTALL (2) SIMPSON HGAM10 WI (4) 14" x 1 1/2" SDS SCREWS AND (5) 1/4" x 2 14" TITENS ONE EACH SIDE OF TRUSS. CONNECTION
- MISSED, CONTRACTOR 13 OHISTARE (2.) SIMPSON RATIONAL WIND AT 12 MS 25 MS 21MS 11 MS 10 MS 21 MS 11 MS 10 MS 21 MS 11 MS 20 MS 21 MS 11 MS 20 MS 21 MS 11 MS 20 MS 21 MS IF STRAPS ARE MISSED UNDER GIRDER JAMB STUD LOCATIONS.

WIND LOADING CRITE	
	.0 MPH .0 MPH

#### ASCE 7-16 WALL DESIGN ALLOWABLE COMPONENTS AND CLADDING WIND PRESSURES AND SUCTIONS FOR MEAN ROOF HEIGHT ≤ 60 ft

WIND AREA (SQ FEET)	(+) VALUE DENOT (-) VALUE DENO	ES PRESSURE	WIND PRESSURE AND SUCTION DIAGRAM
AREA	4	(5)	_
10 - 19.99	(+) 25.5 (-) 26.6	B (+) 25.5 (-) 33.6	
20 - 49.99	© (+) 24.4 (-) 26.6	D (+) 24.4 (-) 30.8	
50 - 99.99	(+) 22.8 (-) 23.8	(+) 22.8 (-) 28.0	
> 100	G (+) 21.7 (-) 23.8	H (+) 21.7 (-) 26.6	(4) (S)(S) (4) (3)
GARA	AGE DOORS*	SOFFIT	
9'-0" x 7'-0"	' 16'-0" x 7'-0"		لواعا
(+) 22.5 (-) 25.5	① (+) 21.7 (K	(+) 25.5 (-) 33.6	DIAGRAM

#### GENERAL PRESSURE NOTES

## I<u>LES:</u> MULTIPLY THE ABOVE PRESSURES BY 1.67 TO GET ULTIMATE WIND

- OTHERWISE USE LOAD ASSOCIATED WITH THE LOWER EFFECTIVE AREAS
- DESIGNATED AREAS WHERE THE ULTIMATE WIND SPEED IS 140 MPH OR GREATER AND IS CONSIDER TO BE IN THE WIND-BOURNE DEBRIS AREA. CONTRACTOR TO PROVIDED ADDITIONAL INFO AS REQUIRED FOR PERMITTING

SHEET INDEX

	OHEET	 
S0	NOTES & SCHEDULES	
S1	FOUNDATION PLAN	
S2	ROOF FRAMING PLAN	
SN	NOTES & SCHEDULES	
D1	FOUNDATION DETAILS	
D2	FRAMING DETAILS	
D3	FRAMING DETAILS	
D4	FRAMING DETAILS	
D5	FRAMING DETAILS	





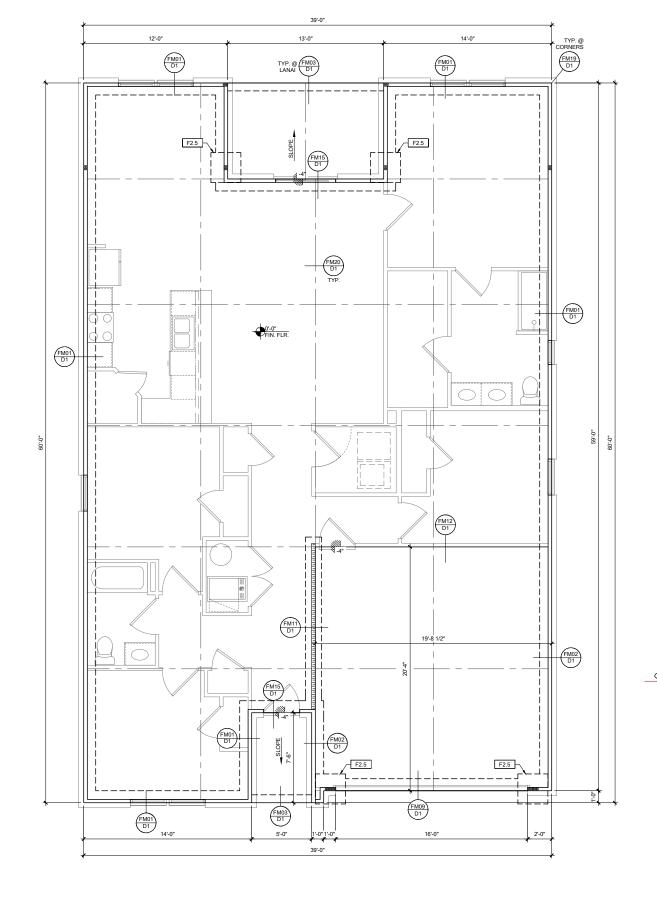


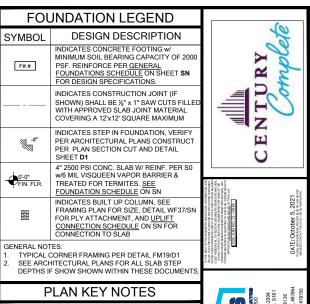
ESERVE AT JEWEL LAK 33-S3-16-02439-202

PLAN NUMBER: 33911776

RADFORD

SHEET





BUILDER NOTE:
ANY DISCREPANCY OR ERROR IN DIMENSIONS OR NOTES
SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN
PROFESSIONAL FOR CLARIFICATION PRIOR TO
COMMENCEMENT OF CONSTRUCTION

LOT 6 ESERVE AT JEWEL LAKE 33-S3-16-02439-202 LAKE CITY, FL 32024

	WALL TYPE	
SYMBOL	DESIGN DESCRIPTION	
	2x_INTERIOR BEARING SHEARWALL - SEE BEARING WALL SCHEDULE ON SHEET SN FOR REQUIREMENTS.	
	INDICATES BEARING WALL SEE BEARING WOOD BEARING SCHEDULE ON SN	
	2x WOOD FRAME EXTERIOR WALL	977
		PLAN NUMBER: 33911776

Review for Code Compliance Universal Engineering Science

Ludener Parnell

PX2707

11/09/2021

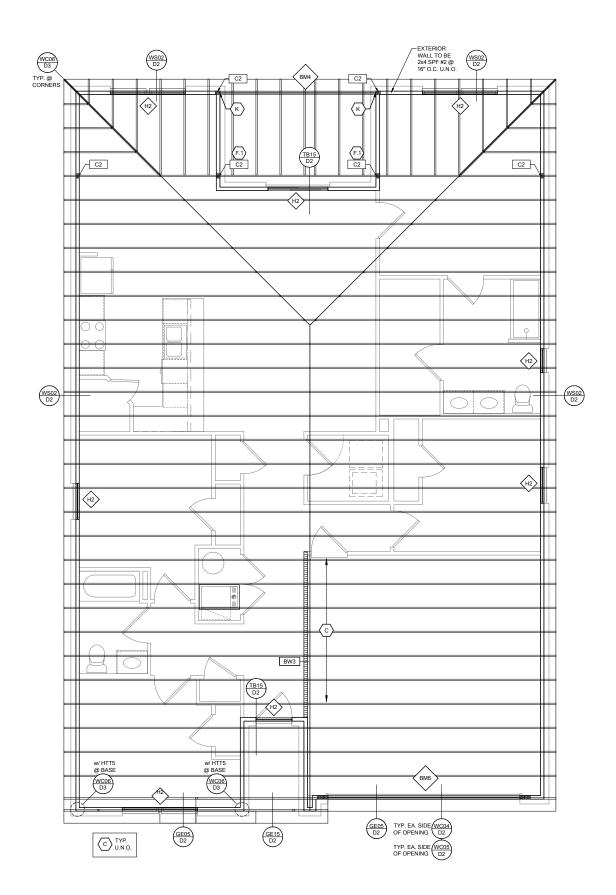
DRAWING TITLE: FOUNDATION PLAN RADFORD

SHEET NO:

**S1** 

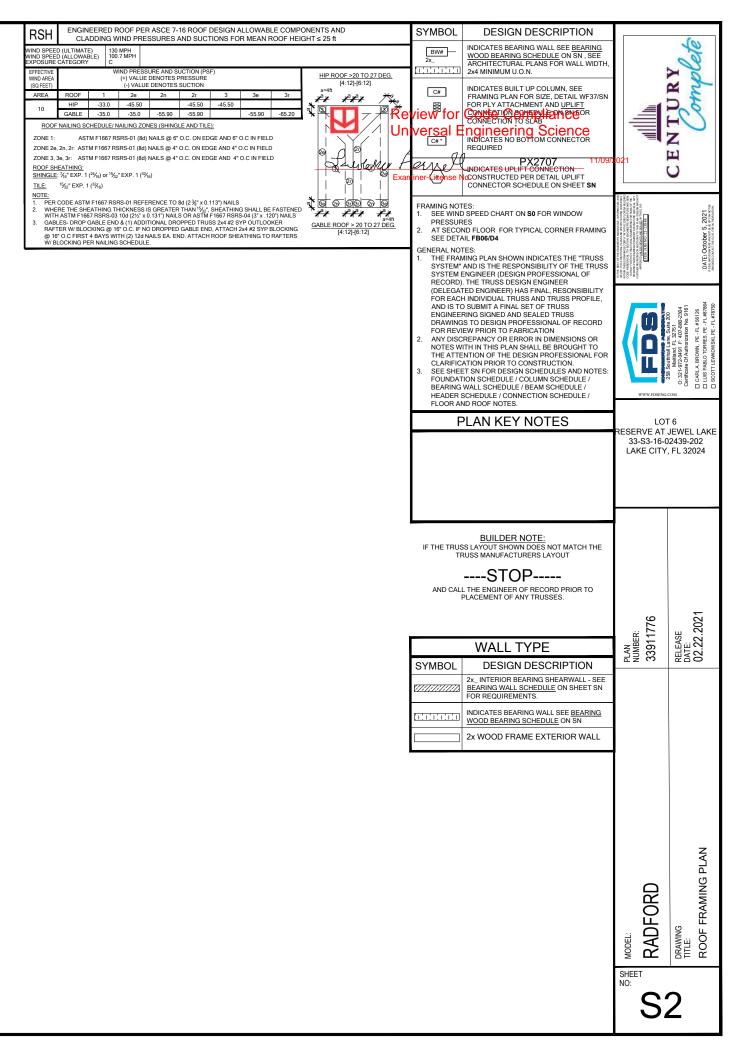
FOUNDATION PLAN A

SCALE: 1/4" = 1'-0" @ 22x34 SCALE: 1/8" = 1'-0" @ 11x17



## ROOF FRAMING PLAN A

SCALE: 1/4" = 1'-0" @ 22x34 SCALE: 1/8" = 1'-0" @ 11x17





- GC/BUILDER, SEE ARCH PLANS FOR ROUGH OPENING LOCATIONS AND ADDITIONAL INFORMATION RECOP FOR DOORNINDOW INSTALLATION ALONG WIDINENSIONS NOT SHOWN ON FOUNDATION CONSULT WIN AMAURACTURES PECEIFICATIONS PRIOR TO POURING OR RECESSING DOOR SILLS OR SUBJIONS GLASS DOOR SILLS. OR SUBJIONS GLASS DOOR SUBJIONS GLASS GLASS GLASS GLASS GLASS DOOR SUBJIONS GLASS GLAS

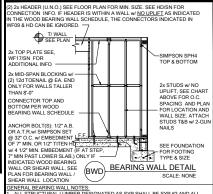
	COLUMN SCHEDULE						
MARK	COLUMN SIZE	FIRST FLOOR BASE CONNECTIONS, SEE PLAN FOR SECOND FLOOR CONNECTIONS	UPLIFT(lb)				
C1	(3) 2x #2 SPF	(4)12d TOENAILS	NO UPLIFT				
C2	(3) 2x #2 SPF	DTT2Z W/ ½" ATR & (8) ¼" X 1 ½" SDS SCREWS	1835				
C3	(3) 2x #1 SYP	(4)12d TOENAILS	NO UPLIFT				
C4	(3) 2x #1 SYP	DTT2Z w/ ½" ATR & (8) ½" x 1½" SDS SCREWS	1835				
C5	4x4 P.T.#2 SYP POST	ABU44 w/ 5/8" ATR & (12)16d NAILS FIRST/SECOND FLOOR CONN.	G = 6665 U = 1782				
C6	6x6 P.T. #2 SYP POST	ABU66 w/ 5/8" ATR & (12)16d NAILS FIRST/SECOND FLOOR CONN.	G = 12000 U = 2070				
C7	8x8 P.T. #2 SYP POST	ABU88 w/(2)5/8" ATR & (18)16d FIRST/SECOND FLOOR CONN.	G = 24335 U = 2088				
C8	3.5" x 3.5" P.L. 1.8E Fb=2400 PSI (WOLMANIZED IF EXT.)	HDU5-SDS2.5 w/ 5%" ATR AND (14) ½"x2½" SDS WOOD SCREWS	5080				
C9	3.5" x 5.25" P.L. 1.8E Fb=2400 PSI (WOLMANIZED IF EXT.)	HDU5-SDS2.5 w/ 5%" ATR AND (14) 1/4" x2 1/2" SDS WOOD SCREWS	5080				
C10	3.5" x 7" P.L. 1.8E Fb=2400 PSI (WOLMANIZED IF EXT.)	HDU8-SDS2.5 w/ ½" ATR AND (20) ½"x2½" SDS WOOD SCREWS	6372				
C11	5.25" x 5.25" P.L. 1.8E Fb=2400 PSI (WOLMANIZED IF EXT.)	HDU8-SDS2.5 w/ ½" ATR AND (20) ½"x2 ½" SDS WOOD SCREWS	7082				
C12	5.25" x 5.25" P.L. 1.8E Fb=2400 PSI (WOLMANIZED IF EXT.)	HDU8-SDS2.5 w/ ½" ATR AND (20) ½"x2 ½" SDS WOOD SCREWS	7082				
C13	5.25" x 7" P.L. 1.8E Fb=2400 PSI (WOLMANIZED IF EXT.)	HDU8-SDS2.5 w/ 1/8" ATR AND (20) 1/4"x2 1/2" SDS WOOD SCREWS	7082				

x4 BEYOND AGAINST 2x8 STUD -

- ENERAL COLUMN NOTES:

  ALL STRUCTURAL LUMBER TO BE SYP#2 OR SPF#2 UNO ON PLAN.
- ALL STRUCTURAL LUMBER TO BE SYP#2 OR SPF#2 UNO ON PLAN. MINIMUM BOLT EMBEDMENT: S' EMBEDMENT FOR 1/2" ATR. 6" EMBEDMENT FOR 1/2" ATR. 6" EMBEDMENT FOR 7/8" ATR. 9" EMBEDMENT FOR 5/8" ATR. 9" EMBEDMENT FOR THE ASSE PLATE AS REO'D. G.C. TO PROVIDE MOISTURE BARRIER IF COL. IS CALLED OUT ON XDIP CLOOR, THE BASE CONNECTION IS NOT REO'D. SEE PLANS FOR BASE CONNECTION VALUES HAVE BEEN REDUCED FOR NARROW FACE APPLICATION.
- ECTIONS SHALL BE INSTALLED ON NARROW OR WIDE FACE PER SIMPSON TC-SCLCLM

WOOD BEARING WALL SCHEDULE						Ш		
MARK	STUD SPACING		TION & FASTENERS BOTTOM	LUMBER	UPLIFT CAP. [plf]	Ш		
BW1	16"	(2)16d TOENAILS	(3) 12d TOENAILS OR (2) 12d END OR BOX NAILS	#2 SPF	NO UPLIFT	l		
BW2	16"	SP2 w/ (6)10d NAILS	SP1 w/ (6) 10d NAILS & ANCHOR BOLTS	#2 SPF	402	l		
BW3	16"	(2) SP2 w/ (6)10d NAILS	(2) SP1 w/ (6) 10d NAILS & ANCHOR BOLTS	#2 SPF	804	l		
BW4	16"	(2)16d TOENAILS	(3) 12d TOENAILS OR (2) 12d END OR BOX NAILS	#2 SYP	NO UPLIFT	11		
BW5	16"	SP2 w/ (6)10d NAILS	SP1 w/ (6) 10d NAILS & ANCHOR BOLTS	#2 SYP	439			
BW6	16"	(2) SP2 w/ (6)10d NAILS	(2) SP1 w/ (6) 10d NAILS & ANCHOR BOLTS	#2 SYP	878	ll		
BW7	12"	(2)16d TOENAILS	(3) 12d TOENAILS OR (2) 12d END OR BOX NAILS	#2 SPF	NO UPLIFT			
BW8	12"	SP2 w/ (6)10d NAILS	SP1 w/ (6) 10d NAILS & ANCHOR BOLTS	#2 SPF	535			
BW9	12"	(2) SP2 w/ (6)10d NAILS	(2) SP1 w/ (6) 10d NAILS & ANCHOR BOLTS	#2 SPF	1070	ll		
BW10	12"	(2)16d TOENAILS	(3) 12d TOENAILS OR (2) 12d END OR BOX NAILS	#2 SYP	NO UPLIFT	ll		
BW11	12"	SP2 w/ (6)10d NAILS	SP1 w/ (6) 10d NAILS & ANCHOR BOLTS	#2 SYP	585			
BW12	12"	(2) SP2 w/ (6)10d NAILS	(2) SP1 w/ (6) 10d NAILS & ANCHOR BOLTS	#2 SYP	1170	I		
	CROSS REFERENCE CHART SIMPSON SP1 / USP SPT22 SIMPSON SP2 / USP SPT24							



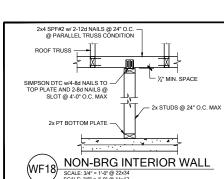
HEAR WALL LOCATION

WERFAL BEARING WALL NOTES:
ALL STRUCTURAL LUMBER DESIGNATED AS SYP SHALL BE SYP #2 AND ALL
STRUCTURAL LUMBER DESIGNATED AS SPF SHALL BE SYP #2 AND ALL
STRUCTURAL LUMBER DESIGNATED AS SPF SHALL BE SPF #2 U.O.
SEE FLOOR PLAN FOR WALL SIZE ASSUME 24 STUDS USED UNO.
OSNECTIONS TO DE INSTALLED TO EACH STUD AS INDICATED
CONNECTOR TO DE INSTALLED TO EACH STUD AS INDICATED
CONTACT E.O. R. IF SPR4. SPP6. OR SPP8. CONNECTORS ARE SUBSTITUTED, T.
VERIFY THEY MEET THE STRUCTURAL REQUIREMENTS.
IF "BW" IS INDICATED ON SECOND FLOOR RASE CONNECTION TO BE IGNORED.
SEE WYRO 8AND PERSOR ON INDICATED ON SECOND FLOOR RASE CONNECTION FOR
2ND FLOOR TO FIRST FLOOR CONNECTIONS. (NOTE: THIS IS FOR 2 STORY
PROJECTS ON THE STRUCTURE OF THE STORY
PROJECTS ON THE STRUCTURE OF THE STRUCTURE OF THE STORY
PROJECTS ON THE STRUCTURE OF THE STRUCTURE

RODELOOK TO FIND TELOOR CONNECTIONS. (NOTE: THIS IS FOR 2 STORT PROJECTS ONLY) F "SW" IS INDICATED ON PLAN THE WALL IS CONSIDERED A SHEAR WALL AN REQUIRES MIN. 7/16" OSB / PLYWOOD w/8d NAILS @ 4" O.C. IN FIELD AND ED! TO ONE SIDE OF WALL. UN.O. ON PLANS.

PACING AND GRADE. LL TOP PLATES AND SILL PLATES SHALL BE THE SAME SPECIES AS THE WOO

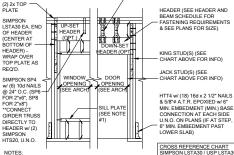
STUDS. F THE BEARING WALL IS INDICATED WITH THE BW1, BW4, BW7, BW10, THESE WALLS ARE ONLY SUPPORTING THE FLOOR LOAD AND DO NOT HAVE UPLIFT WALLS ARE ONLY SUPPORTING THE FLOOR LOAD AND DO NOT HAVE UPLIFT, THE STUDS ARE TOE NAILED TO THE PLATE AND THE 2X PLATE CAN BE ATTACHED WITH HARD CASED NAILS (GUN NAILS) AND WILL NOT REQUIRE THE ANCHOR BOLT ATTACHMENT INDICATED IN THE BEARING WALL SCHEDULE.



HEADER NOTE CONNECTOR & FASTENERS (2) 2x6 #2 SYP w/ 7/16" FLITCH PL (2) 2x8 #2 SYP VERIFY W/ PLAN CORRECT LENGTH OF HEADER REQUIRE IF HEADER IS ON THE 1ST FLOOR SEE PLAN FOR BEARING WALL TYPE AND FOLLOW INSTRUCTIONS WITHIN BEARIN WALL SCHEDULE FOR REQUIRED CORRECTIONS U.N.O. O H2.5A w/ (10)8d NAILS (2) 2x8 #2 SYP w/7/16" FLITCH PLATE (2) 2x10 #2 SYP w/7/16" FLITCH PLATE (2) 2x12 #2 SYP w/7/16" FLITCH PLATE (2) 1 3/4" x 11 1/4" LVL 2.0E Fb=2600 (2) 1 3/4" x 9 1/4" LVL CONNECTIONS.
ALL HEADER JACK AND KING STUDS SHALL BE FASTENED TO EACH PER DETAIL WF375N.
FASTEN ALL MULTI-PLY HEADERS TOGETHER W (2) ROWS 124 COMMON NAILS AT 12" O.C. OR (3) ROWS IF 2x10 OR LARGER TYP. EACH SIDE OR (2) ROWS 14" x 31" ZS DS WOOD SCREWS, @16" O.C. TYP. EACH SIDE.
FASTEN ALL HEADERS TO KING STUDS W (3) 104 TOENALS (2) 1 3/4" x 7 1/4" LVL 2.0E Fb=2600 PER SIDE.
7. IF HEADER IS NOT SPECIFIED CONTACT E.O.R. HU410 OPT HUC410 w/ (18) 16d & (10) 10d OPENING SIZE HU46 OPT HUC46 w/ (6) 10d NAILS & (12) 1/4" x 2 3/4" TITEN (TO MAS.) OR (12) 16d & (6) 10d (FOR FRAME) (12) BEAM TO MASONRY FRAME 4'-0" - 8'-11" (3) GT w/ (16) 1/4"x3" SDS WOOD SCREWS & 2x CRIPPLE STUDS @ 16" O.C. w/ (1) SIMPSON SP2 CONNECTOR @ TOP AND BOTTON \*\*PROVIDE (3) 2x CRIPPLE STUDS BELOW ANY GIRDER TRUSS BEARING OVER HEAD!  $\otimes$ 

"PROVIDE (3) 2¢ CRIPPLE STUDS BELOW ANY GIRDER TRUSS BEARING OVER HEAD CONNECT G.T. TO STUD M² (2) SIMPSON HTS20 STRAPS AND CONNECT BOTTOM OF STUD TO HEADER W² (2) SIMPSON HTS20 STRAPS, U.N.O. (IF STUD IS LESS THAN 10" TALL THEN USE SIMPSON CSIS INSTALLED FROM BOTTOM OF HEADER, UP STUD) OVER TOP PLATE 8 BACK DOWN OTHER SIDE OF WALL TO BOTTOM OF HEADER-FASTEN STRAP W(2) Told NAIL Sig 3° O.C.)

HEADER SCHEDULE



NOTES:

OPENINGS GREATER THAN 4-0" PROVIDE (2) 2X
SILL PILATE W. ASS CLIPS EACH SIDE

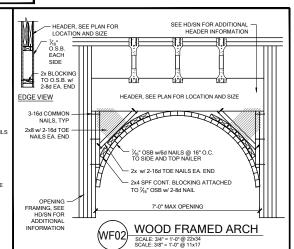
NO TOP PLATE SPLICES SHALL OCCUR OVER
OR WITHIN 2 FEET OF HEADER

HOLD DOWN CONNECTIONS NOT REQUIRED AT
BEARING WALLS WITHOUT UPLIFT. SIMPSON SP4 / USP SPT4 SIMPSON SP6 / USP SPT6 SIMPSON SP8 / USP SPT8

(HD) TYPICAL FRAMING CONNECTIONS AT OPENINGS

				BEAM SCHEDULE						
		MARK	BEAM SIZE	FASTENING SCHEDULE						
D		BM1	(2) 2x8 SYP #2 w/ 7/16" OSB FLITCH PLATE			LAN		LAN		
	,	BM2	(2) 2x10 SYP #2 w/ 7/16" OSB FLITCH PLATE.	(2) ROWS OF 12d @ 12" O.C. TYP. EACH SIDE			U.N.O. ON FRAMING PLAN		U.N.O. ON FRAMING PLAN	
		ВМЗ	(2) 2x12 SYP #2 w/ 7/16" OSB FLITCH PLATE.			Œ		Œ		
		BM4	(2) 1 3/4"x11 1/4" LVL 2.0E Fb=2600			) HTS20 6		) HTW20		
		BM5	(2) 1 3/4"x11 7/8" LVL 2.0E Fb=2600	(2) ROWS 1/4" x 3 1/2" SDS WOOD SCREWS <u>@</u> ) 16" O.C TYP. EACH SIDE OR (2) ROWS OF 124 NAILS <u>@</u> ) 12" O.C. TYP. EACH SIDE	VECTOR.		CTOR V18 OR (2	(2) LSTA18 OR (2) HTW20 LUMN: (2) HTA16		
		Вм6	(2) 1 3/4"x16" LVL 2.0E Fb=2600		SIMPSON CONNECTOR	POST: (2) LSTA18 OR (2) HTS20 CMU COLUMN: (2) HETA16	USP CONNECTOR	(2) LST/		
		ВМ7	(3) 2x10 SYP #2 w/ (2) 7/16" OSB FLITCH PLATES		SIMPS	WOOD POST: CMU CC	INS	WOOD POST: (2) LST CMU COLUMN:		
		BM8	(3) 1 3/4"x9 1/4" LVL 2.0E Fb=2600			woo		WOOL		
		€M10								
I			RAL BEAM NOTES:	RRECT LENGTH OF REAMS REQUIRED (MIN 4" RE	ΔRIN	G FACE	_			

VERIFY WITH PLAN CORRECT LENGTH OF BEAMS REQUIRED (MIN 4" BEARING EA' END)
SEE PLAN FOR TOP OR BOTTOM OF BEAM INDICATIONS
BEAMS ARE NOT TO BE DRILLED OR NOTCHED IN ANY WAY WITHOUT WRITTEN APPROVAL FROM THE E.O.R.



535 565 H10A w/(18)10d x 1 1/2" 1015 1040 0A-2 w/(18)10d x 1 1/2" AT 2 PLY TRUSSES 930 1080 FRAME TO FRAME TO FRAME SCREWS & (16) 1/4"X3" SDS WOOD SCREWS & HDU4-SDS2.5 w/ (10) 1/4"X2 1/2" SDS WOOD 3285 4565 SCREWS & (1) 5/8" Ø A.T.R.

SIMPSON - CONNECTOR SCHEDULE

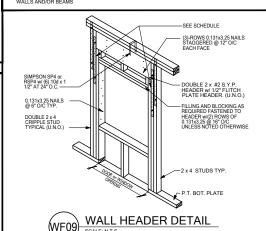
- IENERAL CONNECTOR NOTES:

  CONNECT ALL FLOOR TRUSSES TO INTERIOR BEARING WOOD WALLS / BEAMS W/ (2) 12d TOENAILS.

  ALL TRUSS TO TRUSS CONNECTIONS ARE PROVIDED BY TRUSS MANUFACTURER, U.N.O ON PLAN.

  G.C. MAY USE EITHER SIMPSON OR USP CONNECTIONS, SEE FRAMING PLAN FOR CONNECTOR CAL
- OUT. FOR SINGLE PLY TRUSSES, SCAB ON FULL HEIGHT SYP #1 2"x4" TO TRUSS VERTICAL WEB w/ (2) ROWS
- A MINIMAL CONNECTOR UNO ON FRAMING PLAN
- CONNECTION FOR ALL ROOF / FLOOR TRUSSES TO MASONRY WALLS/ LINTELS/ ICF WALLS UNO ON
- CUNNECTION FOR ALL ROOT / LOOK SETTIONS FOR ALL FLOOR TRUSSES PARALLEL TO MASONRY WALLS SEED BETAIL EB 12/103 FOR MORE INFORMATION CONNECTION FOR ALL HEI JACK GORNER JOKO TO MASONRY WALLS SICE DETAIL EB 12/103 FOR MORE INFORMATION CONNECTION FOR ALL HE JACK (CORNER JOKO TO MASONRY WALLSICE WALLSJUNTELS CONNECTION FOR ALL CONTINUOUS RIM BOARD TO TOP DE MASONRY AT 32° D.C. MAX. W. (2) AT EACH CORNER G.C. TO VERBIY LOCATION DOES NOT CONFLICT WITH (IF APPLICABLE) LAYOUT CONNECT ALL FLOOR TRUSSES TO INTERIOR BEARING WOOD WALL/BEAMS W. (2) 12d TOENAILS
- B) MINIMAL CONNECTOR UNO ON FRAMING PLAN
- CONNECTION FOR JACK TRUSS TO WOOD WALL OR BEAM
- C MINIMAL CONNECTOR UNO ON FRAMING PLAN

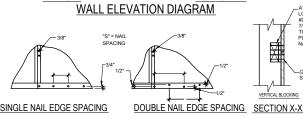
CONNECTION FOR ALL TRUSSES TO INTERIOR/EXTERIOR BEARING WOOD WALLS AND/OR BEAMS





VERTICAL BLOCKING

-(2) 8d NAILS @ 3" O.C. STAGGERED FOR SHE



CH PER NAILING SCHEDULE. PANEL EDGES WILL NEED TO BE TACHED TO STUD AND OR BLOCKING AT ALL EDGES. A MINIMUM ½" ACE IS RECOMMENDED BETWEEN PANELS AT EDGES AND END NETRATE SURFACE MORE THAN 1/4".

- A NAIL AT BASE 2 ROWS @ 4" O.C. w/ 8d COMMON NAIL
- (B) NAIL AT TOP PLATE TWO ROWS @ 4" O.C. w/ 8d COMMON NAIL
- (C) NAIL OPENING PERIMETER w/ (2) ROWS @ 4" O.C. w/ 8d COMMON NAIL
- NAIL INTERIOR AT 6" O.C. W/ 8d COMMON NAIL.
- E STAGGER ALL VERTICAL JOINTS & NAIL @ 4" O.C. W 8d COMMON NAIL.
- PPYWOOD SPLICES @ HEADER NAIL SHEATHING TO HEADER w/ 8d COMMON NAILS @ 4\* O.C. (2) ROWS @ TOP & BOTT.
- $\begin{tabular}{ll} \begin{tabular}{ll} \beg$

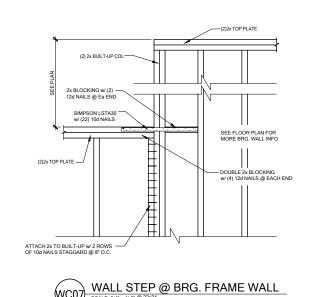
TB13\ WALL SHEATHING INSTALL & NAILING SCHEDULE



**Review for Code Compliance** Universal Engineering Science



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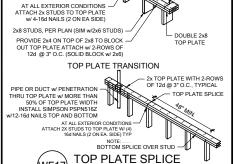
RESERVE AT JEWEL LAKE 33-S3-16-02439-202 LAKE CITY, FL 32024

PLAN NUMBER: 33911776

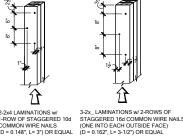
RADFORD

DRAWING TITLE: NOTES 8

SHEET NO:



- TOP SPLICE

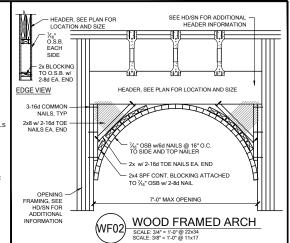


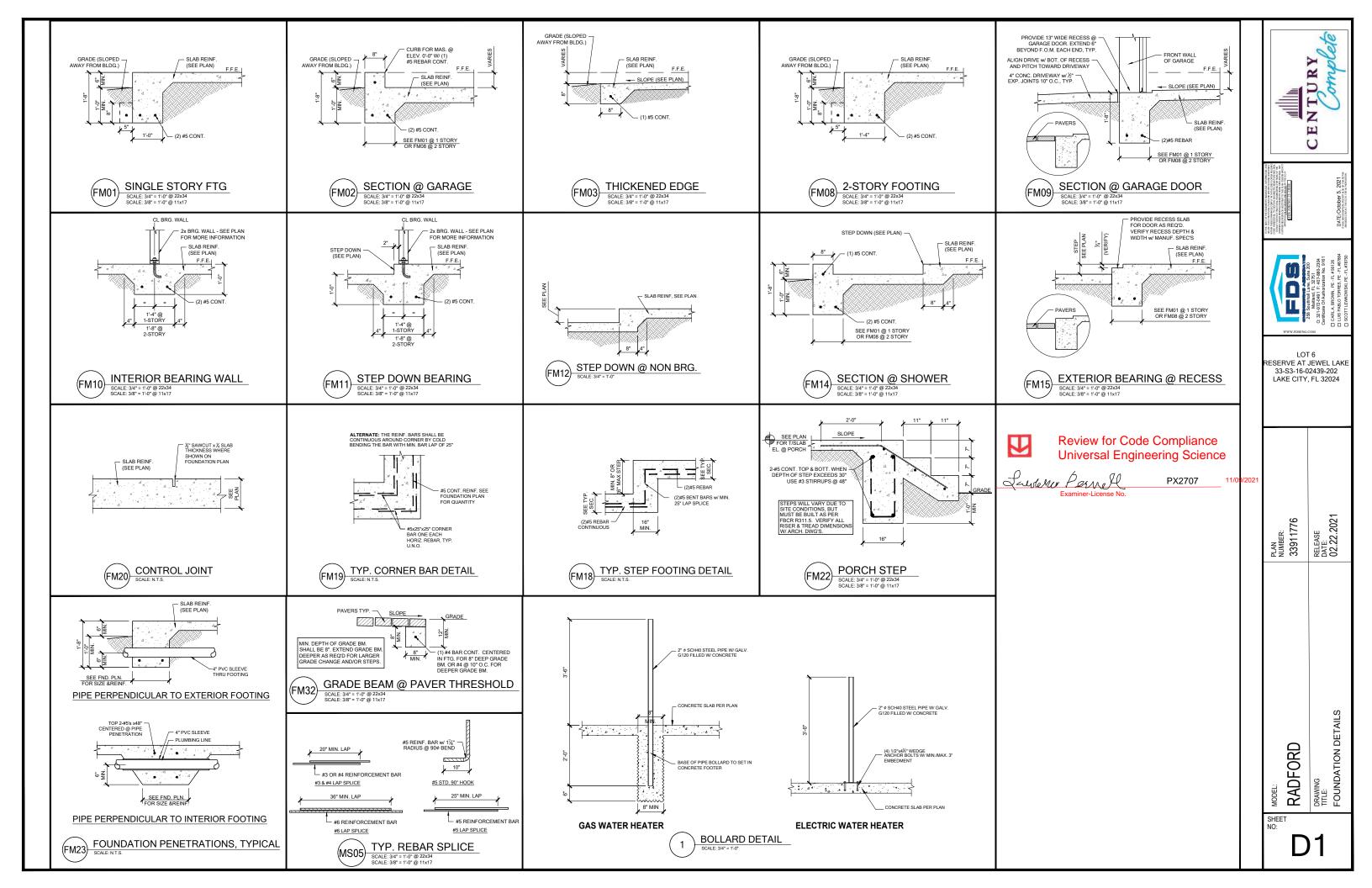
NOTES:

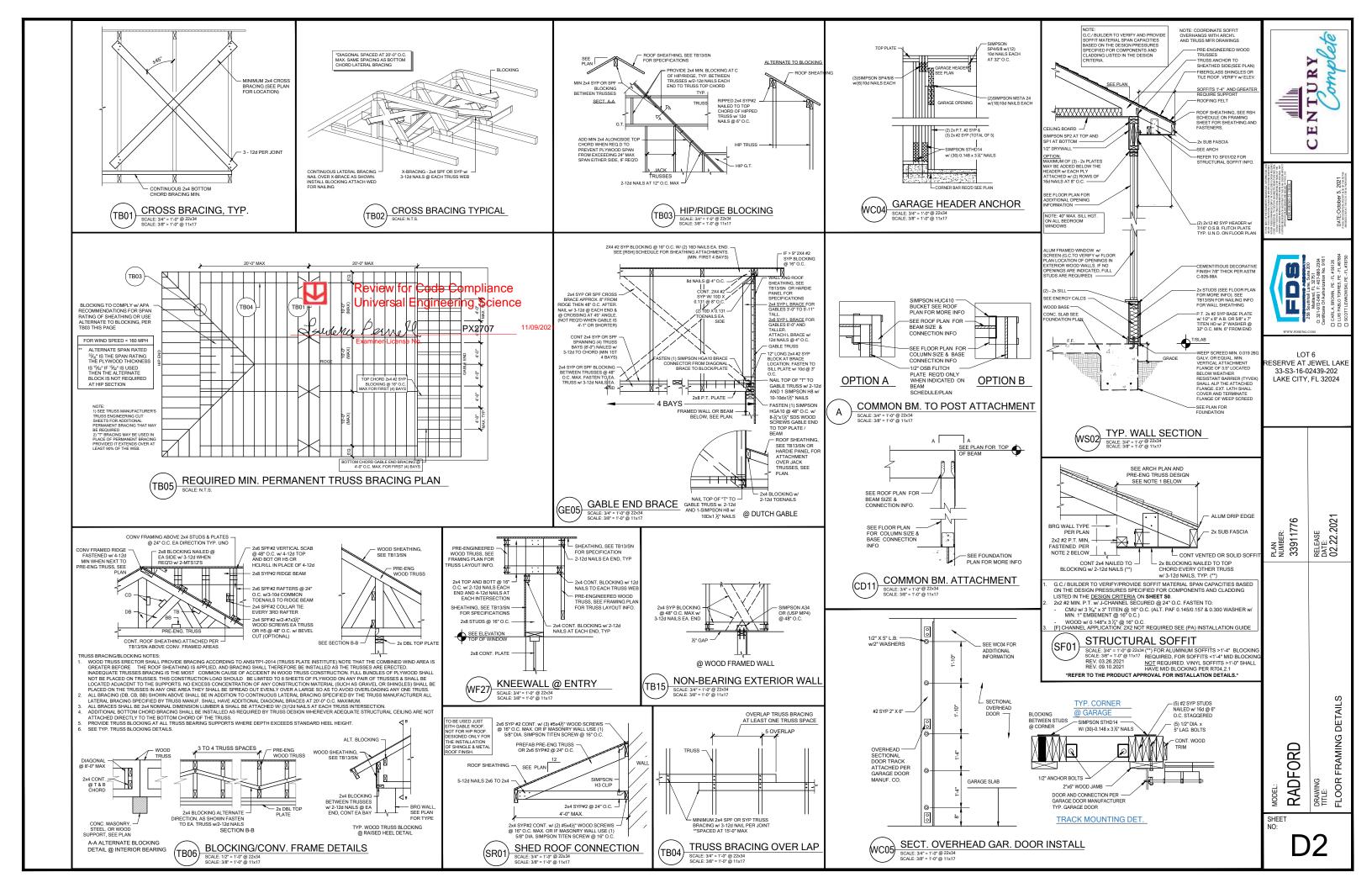
I. ADJACENT NAILS ARE DRIVEN FROM OPPOSITE SIDES OF THE ADJACENT NAILS ARE DRIVEN FROM OPPOSITE SIDES OF TH COLUMN.
ALL NAILS PENETRATE AT LEAST ¾" OF THE THICKNESS OF THE LAST LAMINATION

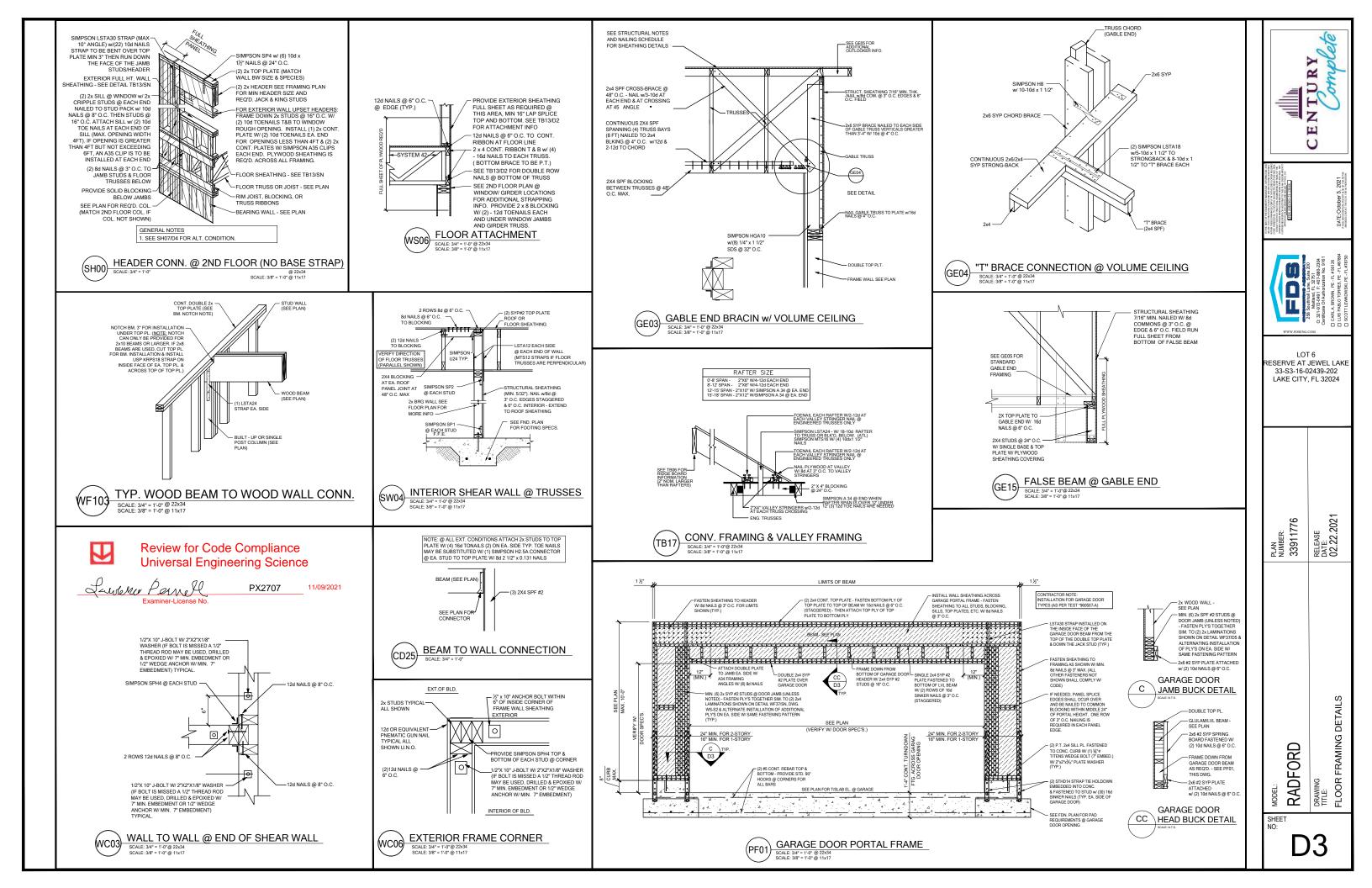
REFER TO NDS SECTION 15.3 FOR ADDITIONAL INFO.

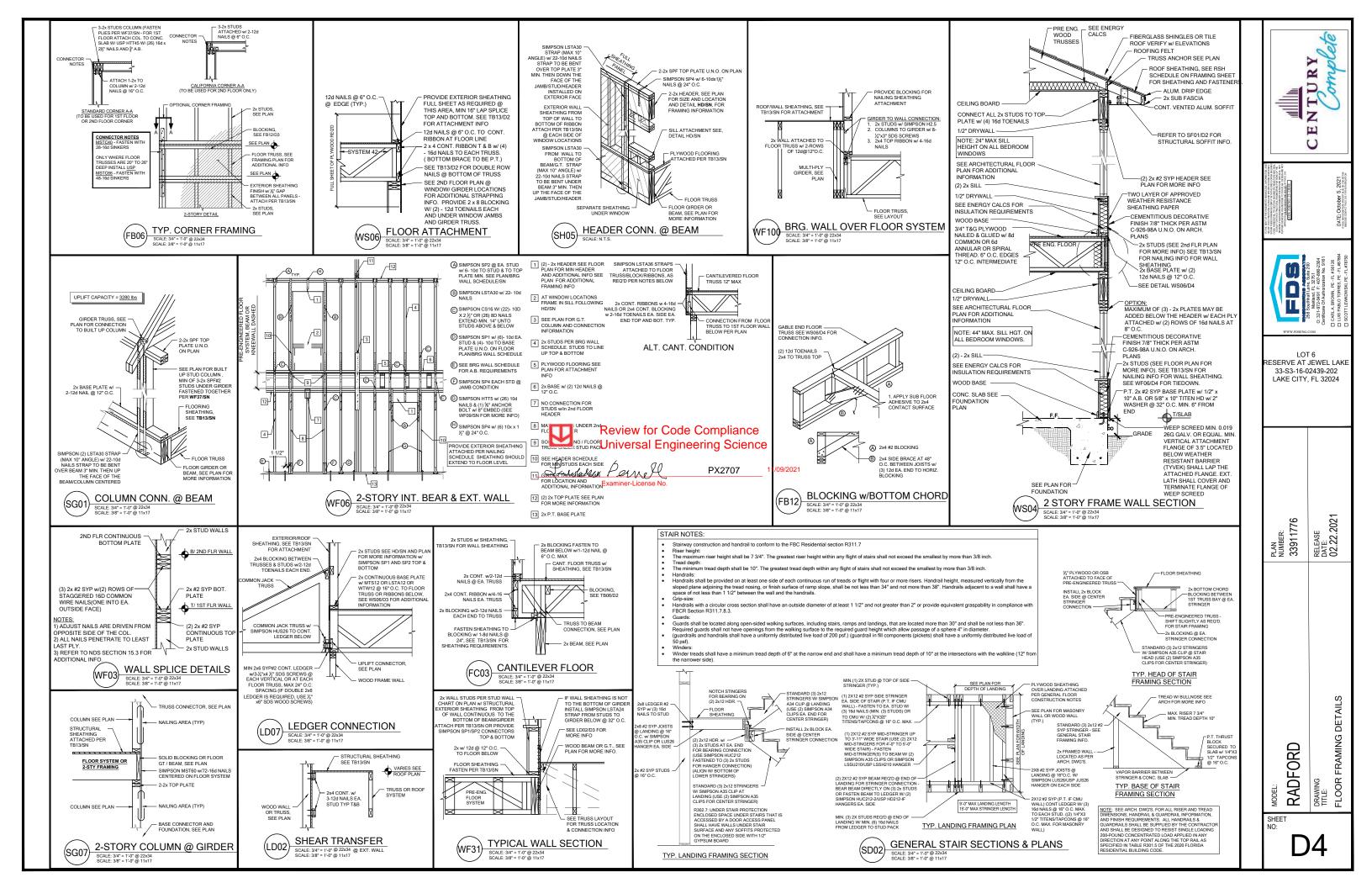
MULI-PLY FASTENING (WF37) SCALE: 3/4" = 1'-0" @ 22x34 SCALE: 3/8" = 1'-0" @ 11x17

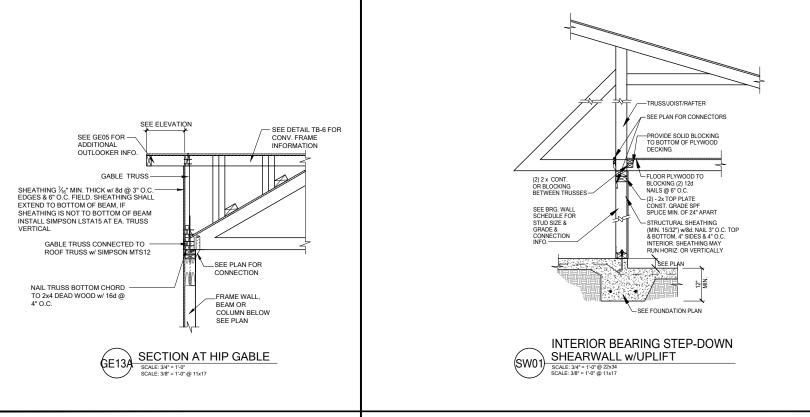


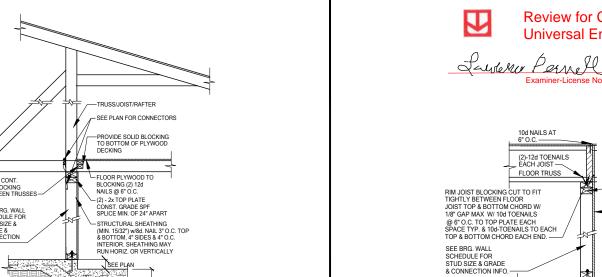












UPLIFT VALUES - (DOUBLE SIDE PLYWOOD DOUBLES VALUE BELOW) SHEATHING I-SIDE - 860 LBS, PER TRUSS/JOIST/RAFTER

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PX2707

FLOOR TRUSS SEE PLAN

(2) 2x TOP PLATE CONST. GRADE SPF SPLICE MIN. OF 24" APART

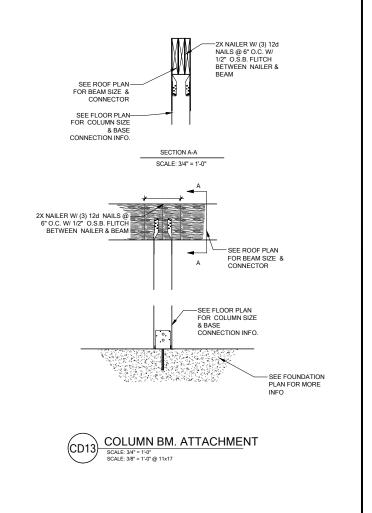
- STRUCTURAL SHEATHING (MIN. 15/32") w/8d. NAIL 3" O.C. TOP & BOTTOM, 4" SIDES & 4" O.C. INTERIOR. SHEATHING MAY RUN HORIZ.

11/09/2021



10d NAILS AT 6" O.C.

(2)-12d TOENAILS EACH JOIST FLOOR TRUSS





DRAWING TITLE: FLOOR FRAMING DETAILS

RADFORD

D5

SHEET NO: