OWNER INFORMATION:

SG BUILD COMPANY 10329 CROSS CREEK BLVD. TAMPA, FL 33647

ENGINEER INFORMATION:

SONEY FM LLC CORY LAKE PROFESSIONAL CENTER 10329 CROSS CREEK BLVD., SUITE P TAMPA, FL 33647 Ph: 727-420-4796 Fax: (813) 972-2846 www.soneyfmllc.com

CONTRACTOR INFORMATION:

SG BUILD COMPANY 10329 CROSS CREEK BLVD. SUITE P



AS-BUILT INFORMATION:

IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO PROVIDE ALL AS-BUILT INFORMATION TO THE ENGINEER INCLUDING BUT NOT LIMITED TO ALL DEVIATIONS TO THE APPROVED PLANS AND COST ESTIMATES.

CODES COMPLIED WITH:

1. FLORIDA BUILDING CODE-2020, 7TH EDITION RESIDENTIAL 2. ASCE 7-16 FOR WIND LOADS 3. FEMA FLOOD ZONE "X" DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP DATED 11/02/2018 FIRM PANEL NUMBER 12023C0290D.

PROPERTY INFORMATION:

PROPERTY USE: SINGLE FAMILY RESIDENTIAL

PARCEL ID: 34-3S-16-02462-318(43466) SECTION: 34, TOWNSHIP 3S, RANGE 16É BOOK/PAGE: 1432/0966

LEGAL DESCRIPTION:

LOT 18 OAK MEADOW PLANTATION UNIT 3. 816-2412, 880-1850, WD 998-1130, WD 1066-444,446, QC 1262-1008, QC 1368-469, QC 1432-966,

AS-BUILT INFORMATION:

IT IS THE RESPONSIBILITY OF THE OWNER TO PROVIDE ALL AS-BUILT INFORMATION TO THE ENGINEER INCLUDING BUT NOT LIMITED TO ALL DEVIATIONS TO THE APPROVED PLANS AND COST ESTIMATES.

LIABILITY INFORMATION:

THIS DRAWING IS VALID FOR 12 MONTHS AFTER THE DATE IT IS SIGNED AND SEALED OR UNTIL THE REQUIREMENTS OF THE 2020 7thEDITION OF THE FLORIDA BUILDING CODE IS CHANGED.

THIS DRAWING IS SIGNED AND SEALED FOR THE STRUCTURAL PORTIONS OF THE DRAWING ONLY. ARCHITECTURAL, ELECTRICAL, OR MECHANICAL DETAILS, IF SHOWN, ARE FOR VISUAL REFERENCE ONLY AND ARE NOT COVERED UNDER THIS SEAL.

AREA TABULATIONS:

1. LIVING UNIT= 1 2. NO. OF STORIES = 1

YEAR BUILT; VACANT

3. LOT = 37,026 S.F.

4. HEATED AREA = 1,825 SQFT

5. GARAGE AREA = 428 SQFT

6. COVERED ENTRANCE AREA = 24 SQFT 7. COVERED LANAI AREA = 101 SQFT

8. TOTAL AREA = 2,378 SQFT 9. PAVED DRIVEWAY = 1,000 SQFT

10. TOTAL IMPERVIOUS AREA = 3,378 SQF1 11. TOTAL PERVIOUS AREA = 33,648 SQFT

CODE ANALYSIS:

FLORIDA BUILDING CODE RESIDENTIAL, FBC 2020, 7TH EDITION EDITION FLORIDA FIRE PREVENTION CODE 2020, 7TH EDITION EDITION COUNTY: COLUMBIA COUNTY CITY: LAKE CITY CONSTRUCTION TYPE: VB

<u>OCCUPANCY</u>:

BUILDING HEIGHT 19'-1"FT

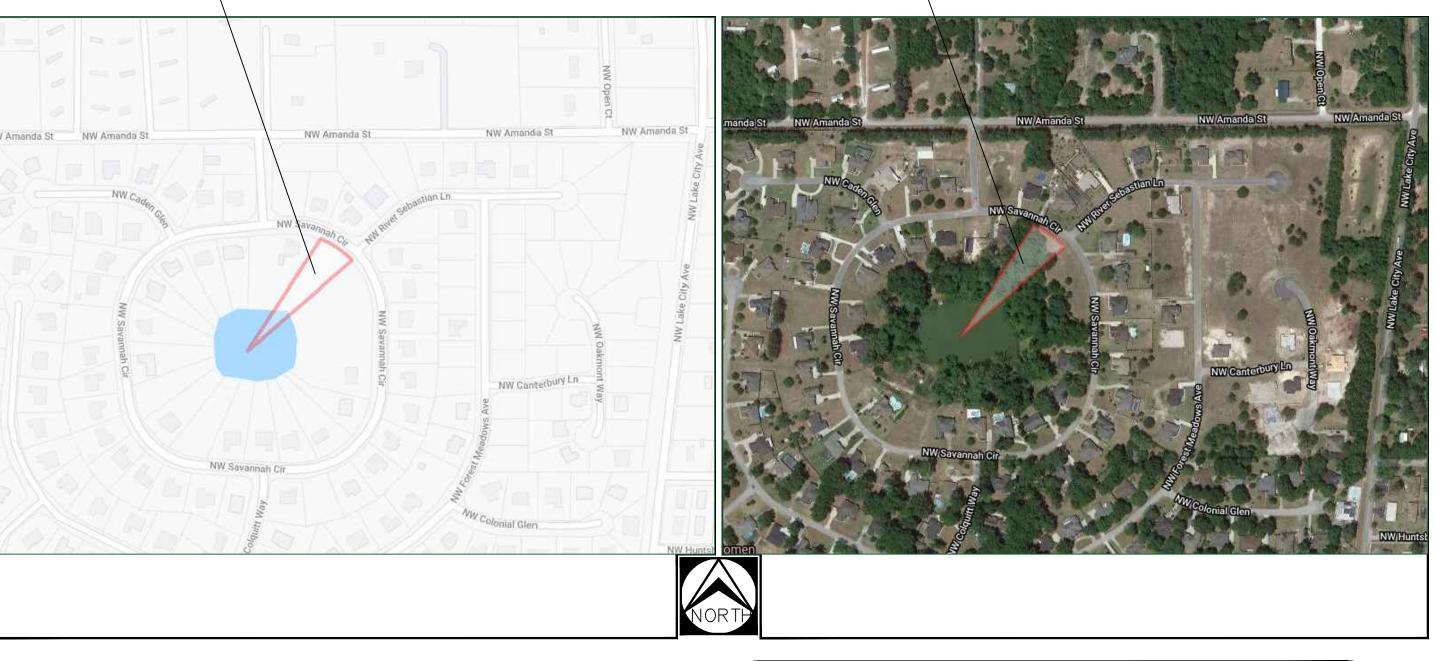
PROPOSED: RESIDENTIAL SINGLE FAMILY

HEIGHT & NO. OF STORIES: NUMBER OF STORIES: ONE STORY

SECTION 34, TOWNSHIP 3S, RANGE 16E 791, NW SAVANNAH CIR., LAKE CITY, FL 32055 **COLUMBIA COUNTY**

PROJECT SITE

PROJECT SITE



STRUCTURAL NOTES:

FOUNDATIONS SOIL TO BE COMPACTED TO AT LEAST 95%

OF MAX, DRY DENSITY AS DETERMINED BY ASTM - 1557 (MODIFIED PROCTOR) FOUNDATION INSPECTIONS

A FOUNDATION SURVEY SHALL BE PERFORMED AND A

COPY OF THE SURVEY SHALL BE ON SITE FOR THE BUILDING

NSPECTORS USE, OR ALL PROPERTY MARKERS SHALL BE CAST IN PLACE CONCRETE

I. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI, A SLUMP OF 4" PLUS OR MINUS I", AND HAVE 2 TO 5% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.58

2. ALL REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615

3. HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS. 4. HORIZONTAL EQOTING BARS SHALL BE BENT I'-O'

AROUND CORNERS OR CORNER BARS WITH A 2'-O"

5. MINIMUM LAP SPLICES ON ALL REINFORCING BAR SPLICES SHALL BE 40 BAR DIAMETERS TYP.

MASONRY WALL CONST. I. HOLLOW LOAD BEARING UNITS SHALL BE NORMAL

WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI (F'M = 1500 PSI)

2. MORTAR SHALL BE TYPE "M" OR "S", CONFORMING TO 3. COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 3000 RISI SLIUMP 8" TO 11".

4. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH THE CELLS FILLED WITH COARSE GROUT 5. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 192 BAR DIAMETERS, REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS

6. REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 40 BAR NOT NEED TO HAVE CONNECTORS APPLIED. PLEASE CONSULT

WOOD CONSTRUCTION

. WOOD CONSTRUCTION SHALL CONFORM TO THE NEPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", LATEST EDITION. 2. ALL EXTERIOR WOOD STUD WALLS, BEARING WALLS, SHEAR WALLS AND MISC. STRUCTURAL WOOD FRAMING MEMBERS.

(I.E. BLOCKING OR GABLE END BRACING) SHALL BE EITHER SOUTHERN PINE, OR S.P.F. NUMBER 2 GRADE SHALL BE USED REGARDLESS OF SPECIES. 3. ANY WOOD FRAME BEARING WALL STUDS THAT ARE CUT FOR PLUMBING LINES, ETC. SHALL BE REPAIRED WITH SIMPSON HSS2 STUD SHOES, OR EQUAL TYP., U.N.O.

WOOD FRAMING INSPECTION ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING FRAMING

STRUCTURAL STEEL ALL STRUCTURAL & MISCELLANEOUS STEEL A36 36.000 PSI U.N.O ALL STRUCTURAL & MISCELLANEOUS STEEL A36 36,000 PSI UNO
TUBE STEEL: ASTM A500, GRADE B, FY=46,000 PSI
PIPE STEEL: ASTM A500, GRADE B, FY=46,000 PSI
PIPE STEEL: ASTM A501, TYPE E OR S, FY = 35,000 PSI
SHOP AND FEILD WELDS: E70XX ELECTRODES
STRUCTURAL BOLTS: ASTM A325, BEARING TYPE CONNECTION
STRUCTURAL BOLTS: ASTM A325, BEARING TYPE CONNECTION
STRUCTURAL BOLTS: ASTM A307 FOR SECONDARY CONNECTIONS
WHERE EMOVED FROM THE HOLE BY BROWNING THE POXY.
THEN FILL THE CELL IN THE NORMAL WAY DURING BOND BEAM
POUR.
HURRICANE STRAPS MAY BE SUBSTITUTED WITH A STRAP OF
GREATER UPLIPT AND LATERAL LOAD VALUE IN THE
FIELD WITHOUT VERIFICATION, PROVIDED ALL MANUFACTURER
BE PROVIDED TO ENGINEER OF RECORD BEFORE FABRICATION.

PREFABRICATED WOOD TRUSSES

I. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY

FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS. 2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION!" BY AMERICAN FOREST AND PAPER ASSOCIATION.

3. TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPOR-TIONED (WITH A MAXIMUM ALLOWABLE STRESS INCREATSE FOR LOAD DURATION OF 25%) TO WITHSTAND THE LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOAD. 4. BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY THE TRUSS MANUFACTURER UNLESS NOTED ON THE PLANS.

5. TRUSS ELEVATIONS AND SECTIONS ARE FOR GENERAL CONFIGURATION OF TRUSSES ONLY, WEB MEMBERS ARE NOT SHOWN, BUT SHALL BE DESIGNED BY THE TRUSS MANUFACTURER IN ACCORDANCE WITH THE FOLLOWING DESIGN LOADS:

6. DESIGN SPECIFICATIONS FOR LIGHT WEIGHT METAL PLATE CONNECTED WOOD TRUSSES PER THE TRUSS PLATE INSTITUTE TPI LATEST EDITION.

7. PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER'S DELEGATED SPECIALTY ENGINEER CODES. SUBMITTALS SHALL INCLUDE TRUSS FRAMING PLANS AND DETAILS SHOWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS LOCATIONS, AND AND PERMANENT BRACING AND/OR BRIDGING AS REQUIRED FOR ERECTION AND 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 FABRICATION.

8. 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

I. UPLIFT CONNECTORS SUCH AS HURRICANE CLIPS, TRUSS ANCHORS AND ANCHOR BOLTS ARE ONLY REQUIRED ON MEMBERS IN WALLS THAT ARE EXPOSED TO UPLIFT FORCES. INTERIOR LOAD BEARING WALLS ARE NOT ALWAYS EXPOSED TO UPLIFT FORCES. THE MEMBERS OF THESE WALLS WOULD DIAMETERS, UNLESS OTHERWISE NOTED ON THE DRAWINGS THE TRUSS ENGINEERING FOR THE LOCATION OF THESE WALLS.

FIELD REPAIR NOTES

MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED W/ (I) "SIMPSON MTSI2 TWIST STRAP W/ (4) 3/16" X 2 1/4" DIA, TAPCONS TO THE BOND BEAM BLOCK AND (7) IOD TO THE TRUSS FOR UPLIFTS OF 1000 LBS. OR LESS. USE (2) FOR 2000 LBS. OR LESS. OTHERS MAY BE SUBSTITUTED ON A CASE BY CASE BASIS. MISSED "J" BOLTS FOR WOOD BEARING WALLS MAY BE SUB-STITUTED W/ //2" DIA, A36 THREADED ROD SET IN 5/8" DIA, X 6" DEEP HOLE 2/3 FULL WITH "PROPOXY" 300 ADHESIVE BINDER FOLLOWING ALL MANUFACTURERS RECOMMENDATIONS (OR 1/2* X RAWL STUD EXPANSION ANCHORS.) HOLES MUST BE CLEANED. WITH WIRE BRUSH AND OIL FREE - COMPRESSED AIR PER MANUFACTER'S INSTRUCTIONS

DRILL A 3/4" 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 EMBEDDEMENT FPOXY (SIMPSON "FPOXY TIE SET", OR HILTI " 2 PART" EMBEDDMENT EPOXY), MIXED PER MANUFACTURER'S INSTRUCTIONS. ASSURE THAT ALL DUST AND DEBRIS FROM DRILLING ARE REMOVED FROM THE HOLE BY BRUSHING AND ALLOW THE EPOXY TO CURE TO MANUFACTURER'S SPECIFICATIONS

HEN FILL THE CELL IN THE NORMAL WAY DURING BOND BEAM

FIELD WITHOUT VERIFICATION, PROVIDED ALL MANUFACTURERS INSTALLATION INSTRUCTIONS ARE FOLLOWED. 5. FOR MORTER JOINTS LESS THAN 1/4", PROVIDE (1) ±5 VERT. N CONC. FILLED CELL EACH SIDE OF THE JOINT (BAR DOES NOT HAVE TO BE CONT. TO FOOTING)

STRUCTURAL DESIGN CRITERIA 2020FLORIDA BUILDING CODE (7TH EDITION)

NFPA 70 NATIONAL ELECTRICAL CODES. (NEC 2017) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-14) SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS (ACI 301-10) BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-II) NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2015 EDITION WOOD FRAMED CONSTRUCTION MANUAL 2017 EDITION

30 PSF (REDUCIBLE)

IO PSF ATTIC L.L.

ASTM A615-40 40,000 PS

MINIMUM 5 LBS. OF FIBER PER CUPIC YARD

ASTM A615-40 40,000 PSI

40 PSF

40 PSF

60 PSF

20 PSF

3000 PSI

ASTM AI85

3000 PSI

APA PLYWOOD DESIGN SPECIFICATION LIVE LOADS: ROOF RESIDENTIAL FLOOR, UNLESS OTHERWISE INDICATED BALCONIES STAIRS

LIGHT PARTITIONS (DEAD LOAD), U.N.O. ALL CONCRETE UNLESS OTHERWISE INDICATED

PEA GRAVEL CONCRETE FOR MASONRY CELLS ONLY STRENGTH @ 28 DAYS REINFORCING: WELDED WIRE FABRIC SHALL CONFORM TO

ALL REINFORCING BARS ALL STIRRUPS AND TIES POLYPROPYLENE FIBERS FOR SLABS ON GRADE SIMPSON HIGH STRENGTH EPOXY-TIE ANCHORING ADHESIVE WAS USED IN THE DESIGN OF THIS. IF CONTRACTORS

WISH TO USE A DIFFERENT EPOXY, THEY MUST FIRST CONTACT THE ENGINEER OF RECORD FOR WRITTEN APPROVAL. CONCRETE ASTM C90-15, STANDARD WEIGHT UNITS, FM=1500 PSI MASONRY MORTAR TYPE "S" 1800 PSI

CONCRETE GROUT 3000 PSI UNITS: CONTINUOUS MASONRY INSPECTION IS REQUIRED DURING CONSTRUCTION STRUCTURAL ALL STRUCTURAL AND MISCELLANEOUS STEEL A36 36,000 PSI, U.N.O

SHOP AND FIELD WELDS: E70XX ELECTRODES ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307 WOOD FRAMII BEAMS, RAFTERS, JOIST, PLATES, ETC. U.N.O. NO. 2 SOUTHERN YELLOW PINE (19% M.C.) OR # 2 SPRUCE

ROOF DECK: PLYWOOD C-C/C-D, EXTERIOR, OR OSB FLOOR SHEATHING T&G A-C GROUP I APA RATED (48/24) SHEATHING: PLYWOOD C-C/C-D, EXTERIOR OR OSB VERSA LAM BEAM FB = 2900 PSI (2.0E) WOOD COLS. PARALLAM 2.0E U.N.O. DESIGN LOADS: SHINGLE ROOF: TILE ROOF: WOOD ROOF TOP CHORD LIVE LOAD: TOP 30 PSF 30 PSF

IO PSF 10 PSF CHORD DEAD LOAD: 10 PSF BOTTOM CHORD DEAD LOAD SEE DRAWINGS FOR SPECIAL CONCENTRATED LOADS IF REQUIRED

DESIGN ROOF TRUSSES FOR WINDLOADS PER FBC 2017 USING EITHER ULTIMATE OR ALLOWABLE LOADS SO LONG AS ALL APPROPRIATE FACTORS AND COMBINATIONS ARE USED THROUGHOUT THE ENTIRE DESIGN BOTH SUCTION AND PRESSURE MUST BE CONSIDERED

WOOD FLOOR DESIGN LOADS: DEAD LOAD: TRUSSES: LIVE LOAD:

TRUSSES:

15 PSF 40 PSF 55 PSF SOIL BEARIN ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: 2000 PSF

SEE SOILS REPORT AND SPECIFICATIONS FOR COMPACTION REQUIREMENTS IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE CAPACITY THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN. SOIL TO BE COMPACTED TO AT LEAST 95 % OF MAX. DRY DENSITY AS DETERMINED BY ASTM - 1557 (MODIFIED PROCTOR)

NOTE: THE DESIGN IS IN COMPLIANCE WITH

INDEX

- COVER SHEET

- SITE PLAN

 FOUNDATION PLAN - FLOOR PLAN ELEVATION

- ROOF LAYOUT - FRAMING DETAILS

- ELECTRICAL FLOOR PLAN PLUMBING LAYOUT PLAN

HVAC LAYOUT PLAN

1. CONSTRUCT ONE STORY RESIDENTIAL HOUSE MEETING ALL THE REQUIREMENTS OF FBC CODE LATEST EDITION 2020, 7TH EDITION.

150 ENCLOSED EXP C

WIND - THIS PLAN HAS BEEN DESIGNED TO COMPLY WITH ALL PROVISIONS OF FBC 2020, 7TH EDITION INCLUSIVE OF ASCE 7-16 WIND PROVISIONS FOR A NOMINAL DESIGN 3-SEC GUST OF 150 MPH. AS DEFINED IN SECTION 1609.2. DEFINITION (2). THIS STRUCTURE DOES MEET THE REQUIREMENTS FOR AN ENCLOSED BUILDING AND AS SUCH HAS BEEN DESIGNED WITH AN INTERNAL PRESSURE COEFFICIENT OF +.18 AND -.18, UNADJUSTED FOR ZONES 1,2, AND 3. DESIGN HAS UTILIZED A WIND IMPORTANCE FACTOR OF 1.00 FOR <u>BUILDING CATEGORY II</u> IN AN <u>EXPOSURE C</u> AREA AND COMPLIES WITH WIND SPEED MAPS AS ADOPTED BY COUNTY JURISDICTION.

ENCLOSED BUILDING

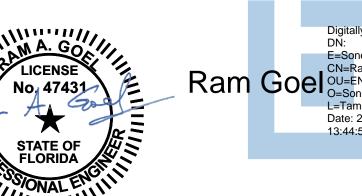
	ENGLOSED BUILDING									
		DES	IGN WIND PF	RESSU	RE (PSF)					
Zone	Effective	ffective Basic Wind Speed		Effective	Basic Wir	nd Speed				
4	Wind Area	150 MPH 3	3-sec. Gust 5 V		Wind Area	130 MPH 3-sec. Gus				
	SQ FT	+	-		SQ FT	+	-			
- W 1	<10	30.4	33.0		<10	30.4	40.7			
	15	29.7	32.3	0	15	29.7	39.4			
	20 29	0	31.6		20	29.0	38.0			
	25	28.7	31.3	}	25	28.7	37.4			
	30	28.4	31.0	- 1	30	28.4	36.8			
4	35 28	1	30.7	E 5	35	28.1	36.2			
Ш	40	27.8	30.4		40	27.8	35.6			
	45	27.5	30.1		45	27.5	35.0			
Z	50	27.2	29.8	Z	50	27.2	34.3			
Ö	75	26.6	29.1	$\bigcup_{i \in \mathcal{I}} \mathcal{I}_i$	75	26.6	33.0			
Ν	100	25.9	28.4	N	100	25.9	31.6			
	GARAGE D	OOR	9'-0" WIDE	7'-0'	' HEIGHT	26.7	30.2			
			16'-0" WIDE	7'-0'	' HEIGHT	25.6	28.5			
	IND ZONES RESSURES FOR THE	POOE ZONES ARE	TAKEN EDOM THE	TOOL	ZONE 1	27.8	30.4			
ONSERVA	ATIVE CASE. (INCLUI				ZONE 2	27.8	51.0			
WEDLIAM	ACMIDITIONIC)					·				

Overhang conditions)

. ANY WINDOW, ALL OR PART, WHICH IS WITHIN 6' OF A CORNER SHALL BE CONSIDERED ZONE 5 PER CHART ABOVE, ALL OTHER WINDOWS ARE CLASSIFIED IN ZONE 4.

2. ROUND AREA DOWN TO THE LARGEST PRESSURE IN THE CHART ABOVE.

DESIGN PRESSURES ABOVE REPRESENT THE NET PRESSURE (SUM OF EXTERNAL AND INTERNAL PRESSURES) APPLIED NORMAL TO ALL SURFACES. COMPONENT MANUFACTURERS SHALL USE THE HIGHER OF THE TWO NUMBERS FOR APPLICABLE SQUARE FOOTAGE.



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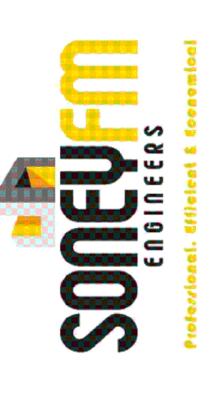


ZONE 3 27.8 76.8

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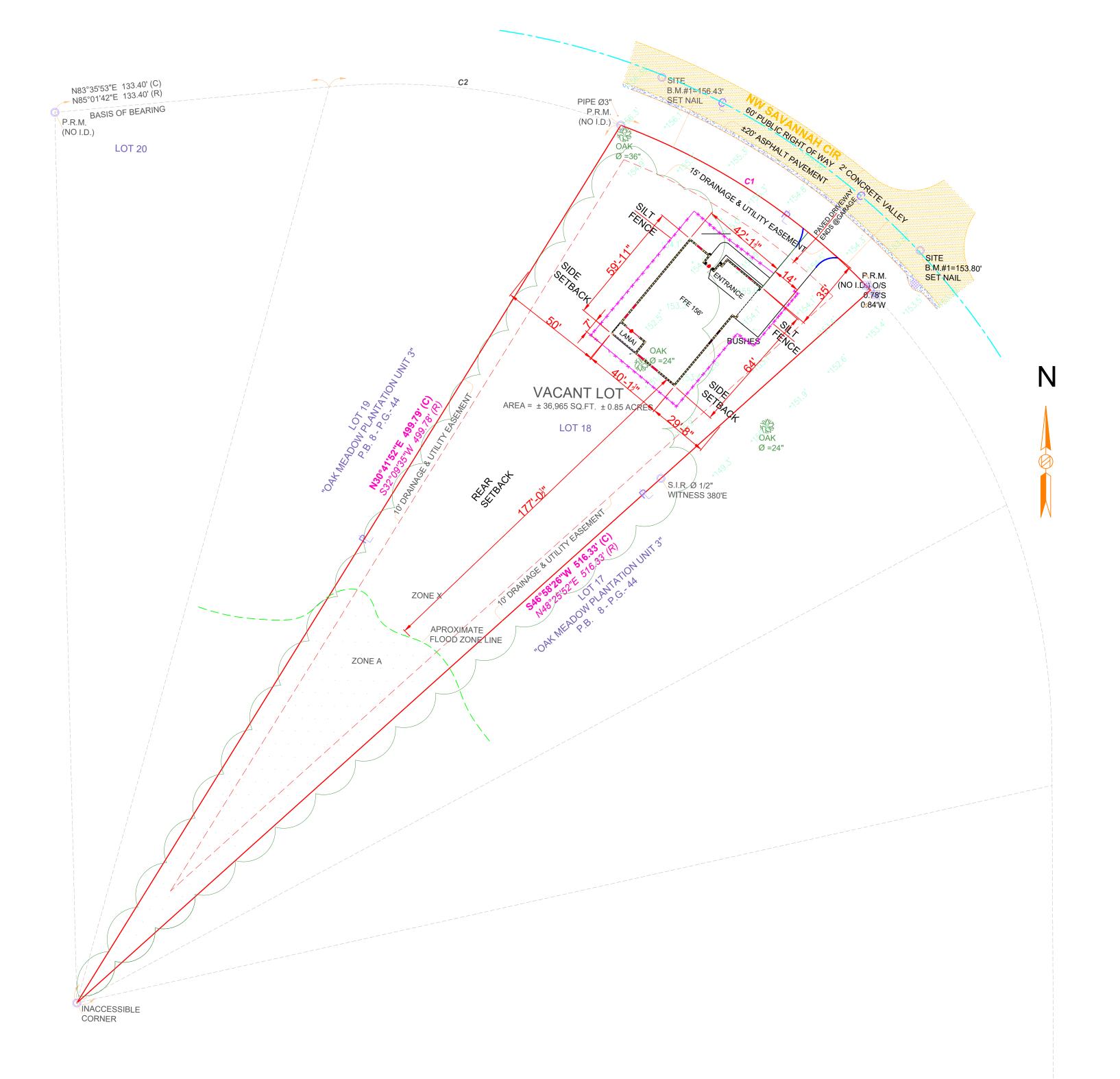
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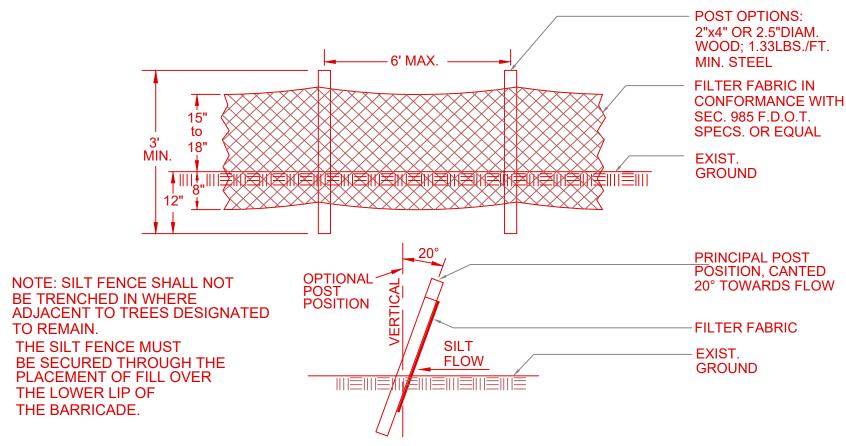


SG2205 hecked By: S.G.

Date: 11-25-22 Description







SILT BARRIER DETAIL

LEGEND

O DENOTES 5/8" IRON ROD & CAP SET (LB7683) DENOTES IRON PIPE OR REBAR FOUND (5/8")

DENOTES 4"x4" CONCRETE MONUMENT SET (LB7683) | - | - | RON PIPE DENOTES 4"x4" CONCRETE MONUMENT FOUND

 DENOTES NAIL & DISC FOUND NO ID - NO IDENTIFICATION

FND - FOUND CM - CONCRETE MONUMENT

 \pm - MORE OR LESS ORB - OFFICIAL RECORDS BOOK

PG - PAGE (S)

(P) — PLAT (D) — DEED

(C) - CALCULATED (M) - MEASURED

AC. - ACRE(S)POB - POINT OF BEGINNING POC - POINT OF COMMENCEMENT

EOP - EDGE OF PAVEMENT

EOG — EDGE OF GRADE

N - NORTH E - EAST S - SOUTH W - WEST

PC - POINT OF CURVATURE PI - POINT OF INTERSECTION

, PT - POINT OF TANGENCY

IPC — IRON PIPE and CAP

IR - IRON ROD

IRC — IRON ROD and CAP R - RADIUS T - TANGENT

L – ARC LENGTH Δ - CENTRAL ANGLE

CH — CHORD BEARING & DISTANCE R/W - RIGHT OF WAY

TWP - TOWNSHIP RNG - RANGE

X —— X DENOTES FENCE E — E DENOTES OVERHEAD ELECTRIC

-O- - POWER POLE CONCRETE

♦ – TELEPHONE PEDESTAL XXX SILT FENCE

FLOW ARROW





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RAM A.GOEL, P.E. # 47431

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SG2205

Description

KD

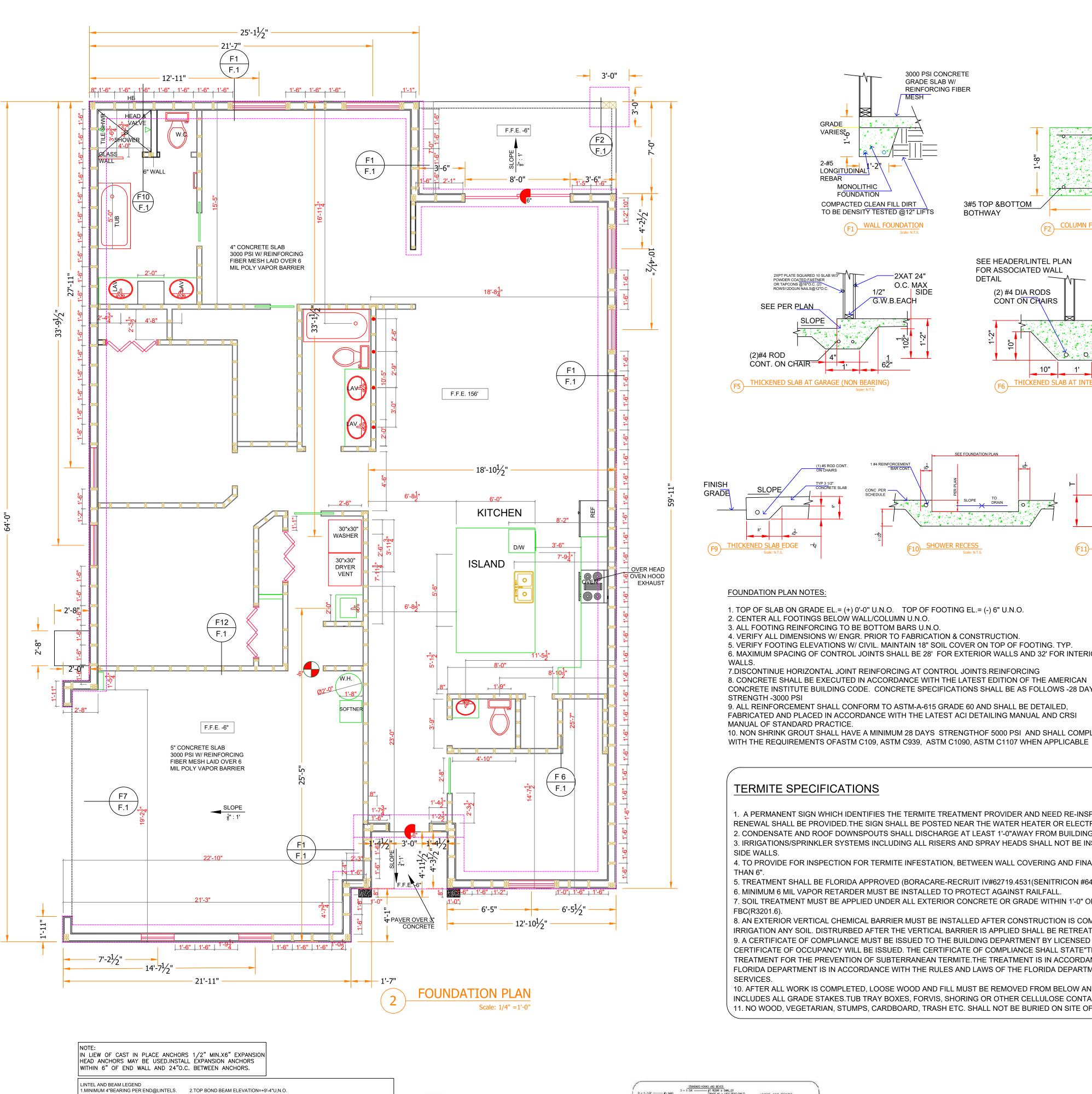
)rawn By:

Revisions:
No. Date

hecked By: S.G.

ssue Date: **11-25-22**





LINTEL OR WOOD HEADER

HEADERS TO BE (2)PLY U.N.O.

ELEVATION NOTED IS RELATIVE TO

DESIGNATIONALL WOOD

XXXXXI!

XXXXX

30 db

COMPRESSION RENFORCEMENT

XXXX;

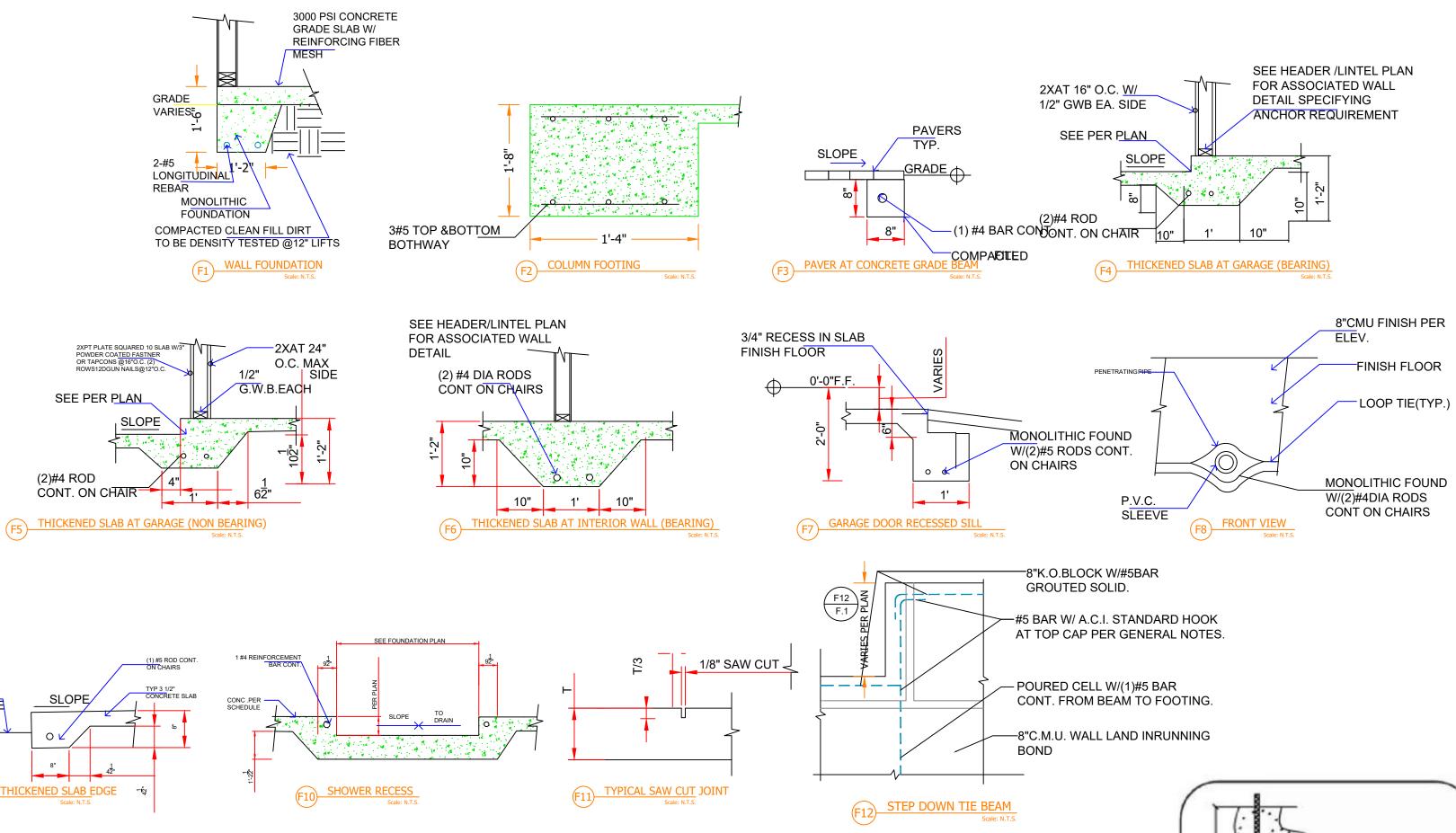
TENSION FERNIOPICEMENT

1904 BOO 40, 803 D

LINTELS WITH A CLEAR SPAN LONGER THAN 12'-4"SHALL BE PRESTRES U.N.O.

OPENING SIZE
HEADER
UP TO 3'4"
DOUBLE 2X6
3'5" TO 6'-0"
DOUBLE 2X8
6'-1" TO 8'-6"
DOUBLE 2X10
8'-7" TO 12'-6"
DOUBLE 2X12
(2)JACK STUDS EACH ENDS

HEADER SCHEDULE OPENING SIZE HEADER



FOUNDATION PLAN NOTES:

- 1. TOP OF SLAB ON GRADE EL.= (+) 0'-0" U.N.O. TOP OF FOOTING EL.= (-) 6" U.N.O.
- 2. CENTER ALL FOOTINGS BELOW WALL/COLUMN U.N.O. 3. ALL FOOTING REINFORCING TO BE BOTTOM BARS U.N.O.
- 4. VERIFY ALL DIMENSIONS W/ ENGR. PRIOR TO FABRICATION & CONSTRUCTION. 5. VERIFY FOOTING ELEVATIONS W/ CIVIL. MAINTAIN 18" SOIL COVER ON TOP OF FOOTING. TYP. 6. MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 28' FOR EXTERIOR WALLS AND 32' FOR INTERIOR
- 7.DISCONTINUE HORIZONTAL JOINT REINFORCING AT CONTROL JOINTS.REINFORCING 8. CONCRETE SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE BUILDING CODE. CONCRETE SPECIFICATIONS SHALL BE AS FOLLOWS -28 DAYS
- 9. ALL REINFORCEMENT SHALL CONFORM TO ASTM-A-615 GRADE 60 AND SHALL BE DETAILED,
- FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE. 10. NON SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS STRENGTHOF 5000 PSI AND SHALL COMPLY

TERMITE SPECIFICATIONS

REP MEND 12 THE 125 (MILL) BEND STRING IN THE HOOKS

- 1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL (FBS 105.II). 2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0"AWAY FROM BUILDING SIDE WALKS.
- 3. IRRIGATIONS/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING
- 4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS
- 5. TREATMENT SHALL BE FLORIDA APPROVED (BORACARE-RECRUIT IV#62719.4531(SENITRICON #64405III).
- 6. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAILFALL 7. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALL
- 8. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND
- IRRIGATION ANY SOIL. DISTRURBED AFTER THE VERTICAL BARRIER IS APPLIED SHALL BE RETREATED(FBC R3201.6) 9. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE"THE BUILDING HAS RECEVIED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITE. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER
- 10. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0"OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES.TUB TRAY BOXES, FORVIS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL.(FBC R320.3)

11. NO WOOD, VEGETARIAN, STUMPS, CARDBOARD, TRASH ETC. SHALL NOT BE BURIED ON SITE OF ANY BUILDING OR



L) APPENDIX "P" OF FLOREN BUILDING CODE. ALL SLAD GRIGGIS OPENEER THAN LOZ LINCH WERE; M.L.

AND A COPY OF THE SUBJECT SHALL BE ON THE SIZE FOR THE INLLIND DESPECTOR'S USE, OR ALL PROPERTY MARKETS SHALL BE EXPOSED AND A STRENG STREETED PROM MARKET TO MARKET. TO VETER'S PEDIATED RETRICKS.

A) ALL CONCRETE POOTSHOS TO SE A MPL. OF 12" SELDY FRESH GRACE TO SOTTON OF POOTSHO.

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E	MBEDD	ED_	LAP	SPLIC
****		5	#4=2- #5=2- #6= 3 #7=3-	-1/2" -1/2" -1/2" -1/2" -1/2"
	STANDA	RD 180	HOOK	_
-			-	tia soleti
	HOOKED R	AP SPLICE, EINFORCING	STEEL (I	
	HOOKED R		STEEL (II	
AND	BEND DIAMETER	GRADE (STEEL (II	LAP SPLICE
AND	HOOKED R	GRADE (STEEL (II	NCHES)
BAR SIZE	BEND DIAMETER	EINFORCING GRADE (LENG	S STEEL (II	LAP SPLICE
BAR SIZE	BEND DIAMETER "A" 2 1/4"	EINFORCING GRADE (LENG "B" 4 1/4	S STEEL (II 50 TH "C" 9 1/4	LAP SPLICE "D"
BAR SIZE	BEND DIAMETER "A" 2 1/4" 3"	EINFORCING GRADE (LENG "B" 4 1/4 5 5/8	STEEL (II 50 TH "C" 9 1/4 12 1/2	LAP SPUCE "D" 18
BAR SIZE	BEND DIAMETER "A" 2 1/4" 3" 3 3/4"	LENG "B" 4 1/4 5 5/8 7	STEEL (II 50 TH "C" 9 1/4 12 1/2 15 1/2	LAP SPUCE "D" 18 24 30
BAR SIZE	BEND DIAMETER "A" 2 1/4" 3" 3 3/4" 4 1/2"	"B" 4 1/4 5 5/8 7 8 7/16	STEEL (II 50 TH "C" 9 1/4 12 1/2 15 1/2 18 1/2	LAP SPUCE "D" 18 24 30 36
BAR SIZE #3 #4 #5 #6	BEND DIAMETER "A" 2 1/4" 3" 3 3/4" 4 1/2" 5 1/4"	"B" 4 1/4 5 5/8 7 8 7/16 9 13/16	9 1/4 12 1/2 15 1/2 18 1/2 21 3/4	LAP SPUCE "D" 18 24 30 36 42
#3 #4 #5 #6 #7	BEND DIAMETER "A" 2 1/4" 3" 3 3/4" 4 1/2" 5 1/4" 8"	"B" 4 1/4 5 5/8 7 8 7/16 9 13/16 11.25	9 1/4 12 1/2 15 1/2 18 1/2 21 3/4 24 3/4	LAP SPLICE "D" 18 24 30 36 42 48

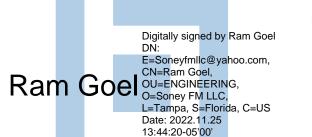
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Date: **11-25-22**

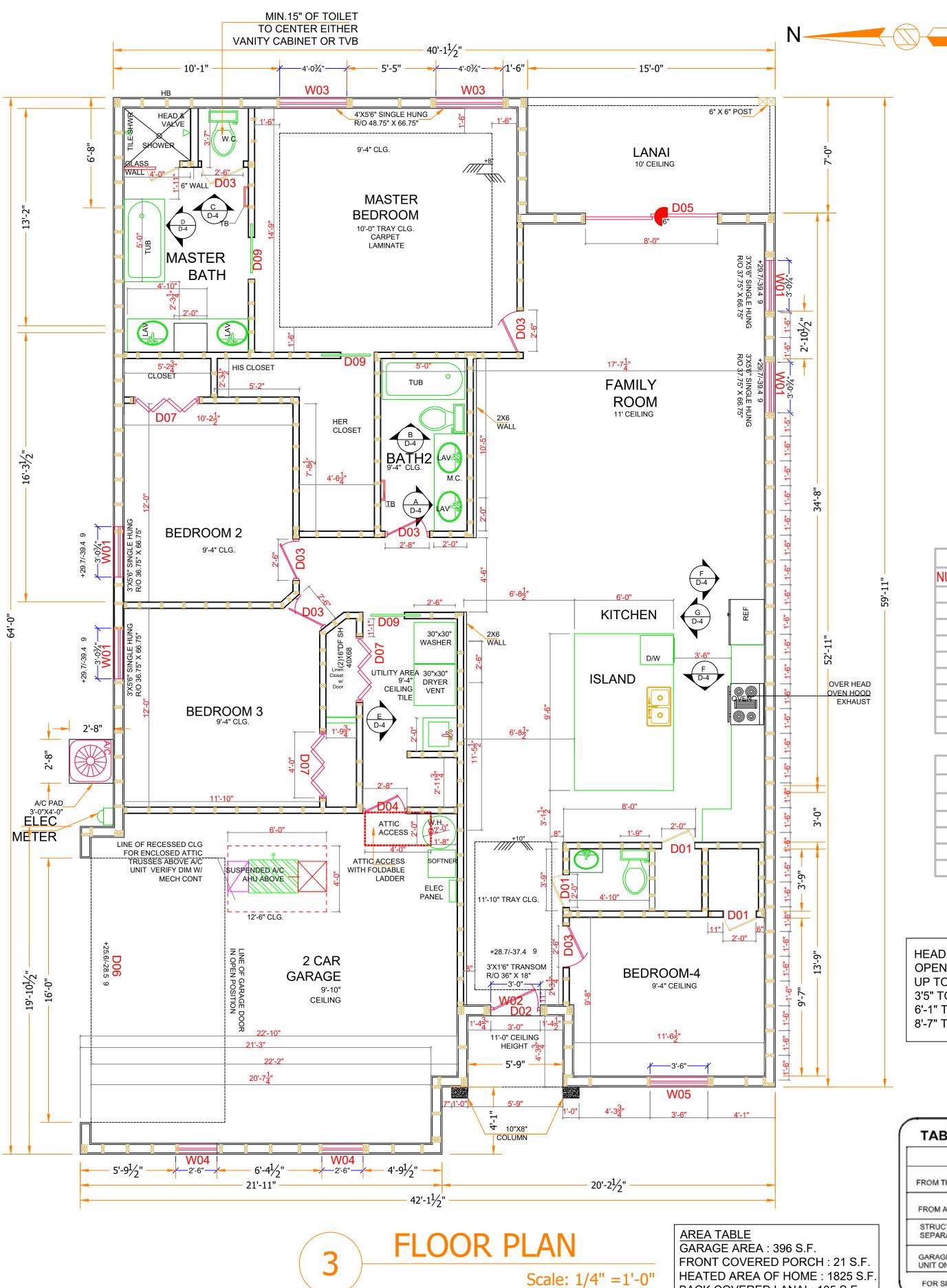
necked By: S.G.

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PRODUCT APPROVAL SPECIFICATION SHEET								
CATEGORY/SUBCATEGORY	MANUFACTURER	PRODUCT DESCRIPTION	APPROVAL NUMBER(S)	impact APPROVAL NUMBER(S)				
1. EXTERIOR DOORS								
FIXED	THERMA-TRU CORP	SWINGING DOORS	FL 15227.3 fl 15227.5					
FIXED	PGT	SLIDING DOORS	fl 251.10	fl 251.6				
2. WINDOWS								
SINGLE/DOUBLE HUNG	pgt	SINGLE HUNG	FL 239.1	FL 239.4				
HORIZONTAL SLIDER	pgt	HORIZONTAL SLIDER	FL 242.1	FL 242.4				
FIXED	pgt	FIXED WINDOWS	FL 243.1	FL 243.3				
3. PANEL WALL								
SOFFIT	plygem siding group	vinyl SOFFIT	FI 15847					
4. ROOFING PRODUCTS								
asphalt SHINGLES	owens corning	asphalt SHINGLES	fl 10674					
ROOFING TILES	MONIER/LIFESTYLE eagle	ROOF TILE	FL 601-r5 FL 7473,					
5. STRUCT COMPONENTS								
WOOD ANCHORS AND CONNECTORS	SIMPSON	WOOD CONNECTOR ANCHORS	fl 10456-r2, fl 10852-r1, fl 13872-r1, fl 11473-r2, fl10667-r1, fl 10866-r2					
LINTELS	cast-crete	PRECAST CONCRETE LINTELS	FL 158-r5					
hurricane protection	global protection products, llc		20 gauge steel 24 gauge steel fabric shutter	fl 15076.1 fl 15076.2 fl 15088				

	DOOR SCHEDULE										
NUMBER	LABEL	QTY	FLOOR	CALL SIZE	WIDTH	HEIGHT	R/O	DESCRIPTION	HEADER	THICKNESS	
D01	2068	3	1	2480 IN	24"	80"	26 1/2"X82"	INTERIOR DOOR	2X4X38 1/2"	1 1/2"	
D02	3068	1	1	3680EX	36"	80"	38 1/2"X82"	FRONT DOOR EXTERIOR	2X4X50 1/2"	1 3/4"	
D03	2668	6	1	3080 IN	30"	80"	32 1/2"x82"	INTERIOR DOOR	2X4X44 1/2"	1 1/2"	
D04	2868	1	1	3280EX	32"	80"	34 1/2"x82"	SOLID CORE DOOR	2X4X46 1/2"	1 5/8" SOLID CORE	
D05	8080	0	1	9696EX	96"	96"	96" X 96"	SLIDING GLAZED DOOR	2X4X110 1/2"	1 3/4"	
D06	1668	1	1	19280EX	192"	84"	194 1/2"X82"	GARAGE DOOR	2X4X206 1/2"	1 3/4"	
D07	4068	3	1	4880IN	48"	80"	50 1/2"X82"	BIFOLD DOOR	2X4X62 1/2"	1 1/2"	
D08	2668	0	1	3080 IN	30"	80"	32 1/2"X82"	BARN DOOR	2X4X44 1/2"	1 1/2"	
D09	2668	3	1	3080 IN	30"	80"	32 1/2"X82"	POCKET SLIDER	2X4X44 1/2"	1 1/2"	

		V	VINDOW SCH	HEDULE					
NUMBER	LABEL	QTY	FLOOR	CALL SIZE	WIDTH	HEIGHT	R/O	TYPE	HEADER
W01	3056	4	1	3666	36"	66"	37.75"X66.75"	SINGLE HUNG	HEADER
W02	3016	1	1	3618	36"	18"	36" X 18"	TRANSOM	HEADER
W03	4856	2	1	4066	48"	66"	48.75" X 66.75"	SINGLE HUNG	HEADER
W04	2656	2	1	3066	30"	66"	30.75" X 66.75"	SINGLE HUNG	HEADER
W05	3656	1	1	4266	42"	66"	42.75" X 66.75"	SINGLE HUNG	HEADER

HEADER SCHEDULE OPENING SIZE HEADER REMARKS UP TO 3'4" DOUBLE 2X6

3'5" TO 6'-0" DOUBLE 2X8 6'-1" TO 8'-6"

FOR SI: 1 INCH = 25.4 mm, 1 FOOT = 304.8 mm

BACK COVERED LANAI: 105 S.F

DOUBLE 2X10 (2)JACK STUDS EACH ENDS 8'-7" TO 12'-6" DOUBLE 2X12 (2)JACK STUDS EACH ENDS

TABLE R302.6 DWELLING / GARAGE SEPARATION **SEPARATION** MATERIAL

NOT LESS THAN 1/2 INCH GYPSUM BOARD OR EQUIVALENT APPLIED TO THE GARAGE SIDE FROM THE RESIDENCE AND ATTICS NOT LESS THAN 5/8 INCH TYPE "X" GYPSUM BOARD OR EQUIVALENT FROM ALL HABITABLE ROOMS ABOVE THE GARAGE STRUCTURE(S) SUPPORTING FLOOR/CEILING ASSEMBLIES USED FOR NOT LESS THAN1/2 INCH GYPSUM BOARD OR EQUIVALENT SEPARATION REQUIRED BY THIS SECTION NOT LESS THAN1/2 INCH GYPSUM BOARD OR EQUIVALENT APPLIED TO GARAGES LOCATED LESS THAN 3 FEET FROM A DWELLING UNIT ON THE SAME LOT THE INTERIOR SIDE OF EXTERIOR WALLS THAT ARE WITHIN THIS AREA

GENERAL PLUMBING NOTES

- 1. ALL WORK AS PER GENERAL SPECIFICATIONS AND ALL FEDERAL, STATE AND
- FOR HOT AND COLD WATER APPLICATIONS TYPE L COPPER SHALL BE USED OR PEX AS ALLOWED BELOW.
- CROSSLINKED POLYETHYLENE (PEX) PIPING MAY BE SUBSTITUTED FOR COPPER GIVEN THE FOLLOWING SPECIFICATIONS. USE ON COLD WATER AND HOT WATER APPLICATIONS NOT TO EXCEED 140 DEGREES F. ZURN OR EQUAL PIPE AND FITTINGS SHALL BE USED. THE FOLLOWING STANDARDS SHALL BE ADHERED TO: ASTM F876 FOR THE PIPE, ASTM F1807 BRASS FITTINGS MUST BE USED. DO NOT HYPERCLORATE THE SYSTEM IN EXCESS OF 5 PPM OR AS ALLOWED BY MANUFACTURER. DO NOT STORE PEX IN DIRECT SUNLIGHT. DO NOT BUY PEX FROM ANY WAREHOUSE KEEPING PEX STORED OUTSIDE. DO NOT INSTALL ANY PEX PIPING THAT HAS BEEN EXPOSED TO SUNLIGHT LONG ENOUGH FOR THE LABELING TO FADE. PEX THAT IS TO BE EXPOSED IN OPEN SLAB APPLICATIONS FOR LONGER THAN ONE WEEK SHALL BE WRAPPED IN ALUMINIZED TAPE TO PROTECT AGAINST UV DEGRADATION.
- 4. ALL FIXTURES USED SHALL BE AS PER SCHEDULE OR EQUAL.
- 5. ALL FIXTURES SHALL HAVE STOP VALVES AT WALL.
- 6. ALL VENTS SHALL BE CARRIED THROUGH ROOF, COMPLETE WITH ROOF SYSTEM COMPATIBLE ROOF JACKS.
- 7. ALL TOILET SEATS SHALL BE FOR ELONGATED BOWLS WITH OPEN FRONTS.
- 8. TO FACILITATE THE CLARITY OF THE DRAWINGS, SEWER, WATER, AND GAS LINES ARE NOT ALWAYS SHOWN IN THEIR EXACT LOCATIONS.
- CONTRACTOR SHALL VISIT JOB SITE PRIOR TO BID AND VERIFY EXISTING CONDITIONS. NOTIFY ENGINEER IF EXISTING CONDITIONS DO NOT MATCH CONTRACT DOCUMENTS.
- O. PROVIDE WETTED TRAPS TO ALL FLOOR DRAINS.
- 1. ROUTE TEMPERATURE AND PRESSURE RELIEF FROM WATER HEATER TO SEWER OR TO THE OUTSIDE OF BUILDING.

NOTE: MAIN WATER LINE TO HOME TO SOFTNER THEN WATER HEATER

SG2205 KD Drawn By: Checked By: S.G.

sue Date: 11-25-22 Kevisions: No. Date Description

TABLE R301.2(4) GARAGE DOOR LOADS FOR A BUILDING WITH A MEAN HEIGHT OF 30 FEET LOCATED IN EXPOSURE B Vasd AS DETERMINED IN ACCORDANCE WITH SECTION R301.2.1.3 (MPH - 3 SECOND GUST)

100 12.8-14.5 | 15.8-17.9 | 19.1-21.6 | 22.8-25.8 | 26.7-30.2 | 31.0-35.1 | 35.6-40.2 12.3-13.7 15.2-16.9 18.3-20.4 21.8-24.3 25.6-28.5 29.7-33.1 34.1-38.0

ATLEAST ONE EGRESS DOOR SHALL BE PROVIDED FOR EACH DWELLING UNIT. THE EGRESS DOOR SHALL BE SIDE-HINGED, AND SHALL PROVIDE A MINIMUM CLEAR WIDTH

HEIGHT OF THE DOOR OPENING SHALL NOT BE LESS THAN 78 INCHES (1981 mm) IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP.

OTHER DOORS SHALL NOT BE REQUIRED TO COMPLY WITH THESE MINIMUM DIMENSIONS. EGRESS DOORS SHALL BE READILY OPENABLE FROM INSIDE THE DWELLING

OF 32 INCHES (813 mm) WHEN MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES (1.57 rod). THE MINIMUM CLEAR

FOR St. 1 FOOT = 304.8 mm, 1 SQUARE FOOT = 0.0929 m2, 1 MILE PER HOUR = 1.609 km/h 1. FOR EFFECTIVE AREAS OR WIND SPEEDS BETWEEN THOSE GIVEN ABOVE THE LOAD MAY BE INTERPOLATED, OTHERWISE USE THE LOAD ASSOCIAT WITH THE LOWER EFFECTIVE AREA.
2. TABLE VALUES SHALL BE ADJUSTED FOR HEIGHT AND EXPOSURE BY MULTIPLYING THE ADJUSTMENT COEFFCIENT IN TABLE R301.2(3)

3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES. 4. NEGATIVE PRESSURES ASSUME DOOR HAS 2 FEET WIDTH IN BUILDING'S END ZONE

WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.



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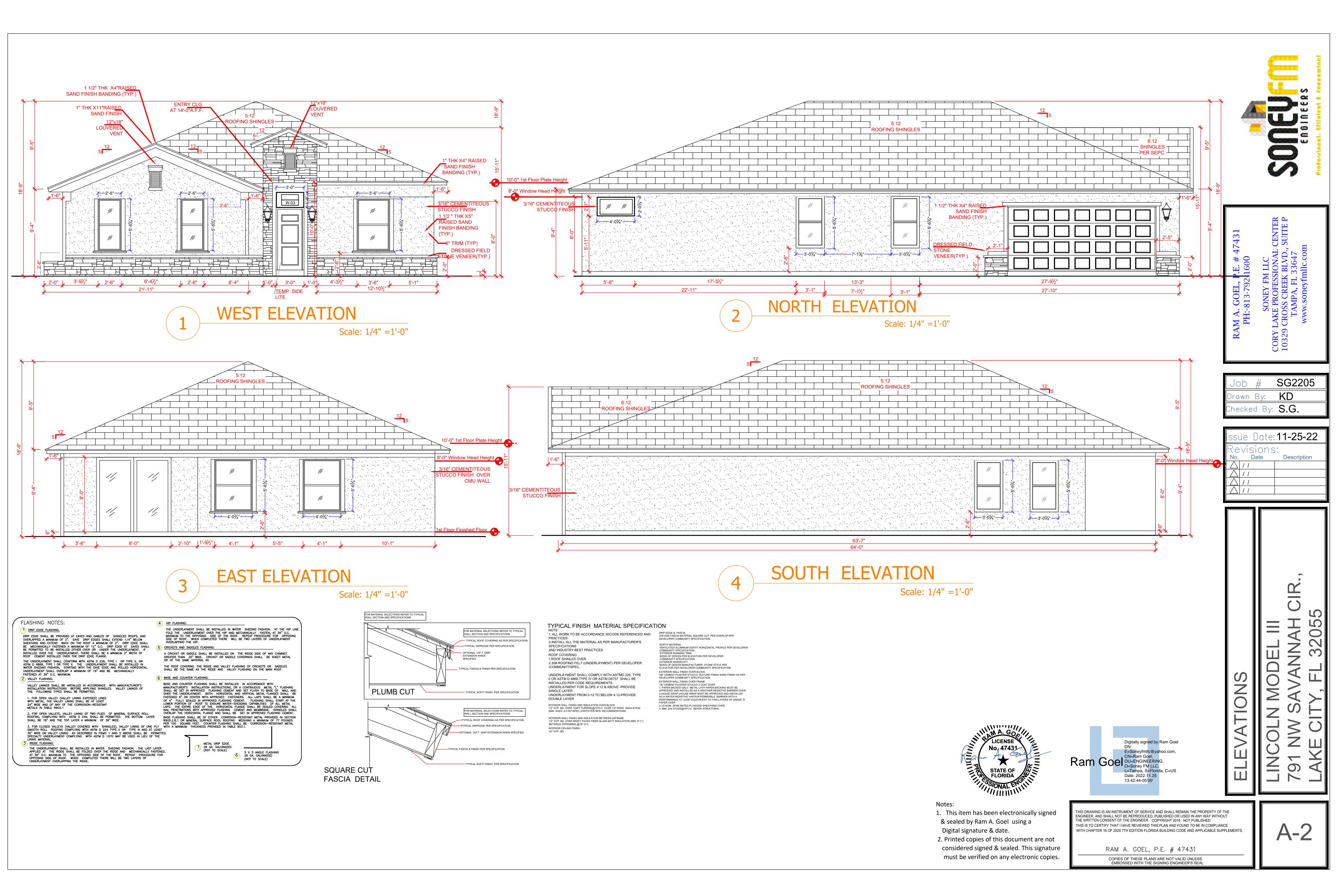
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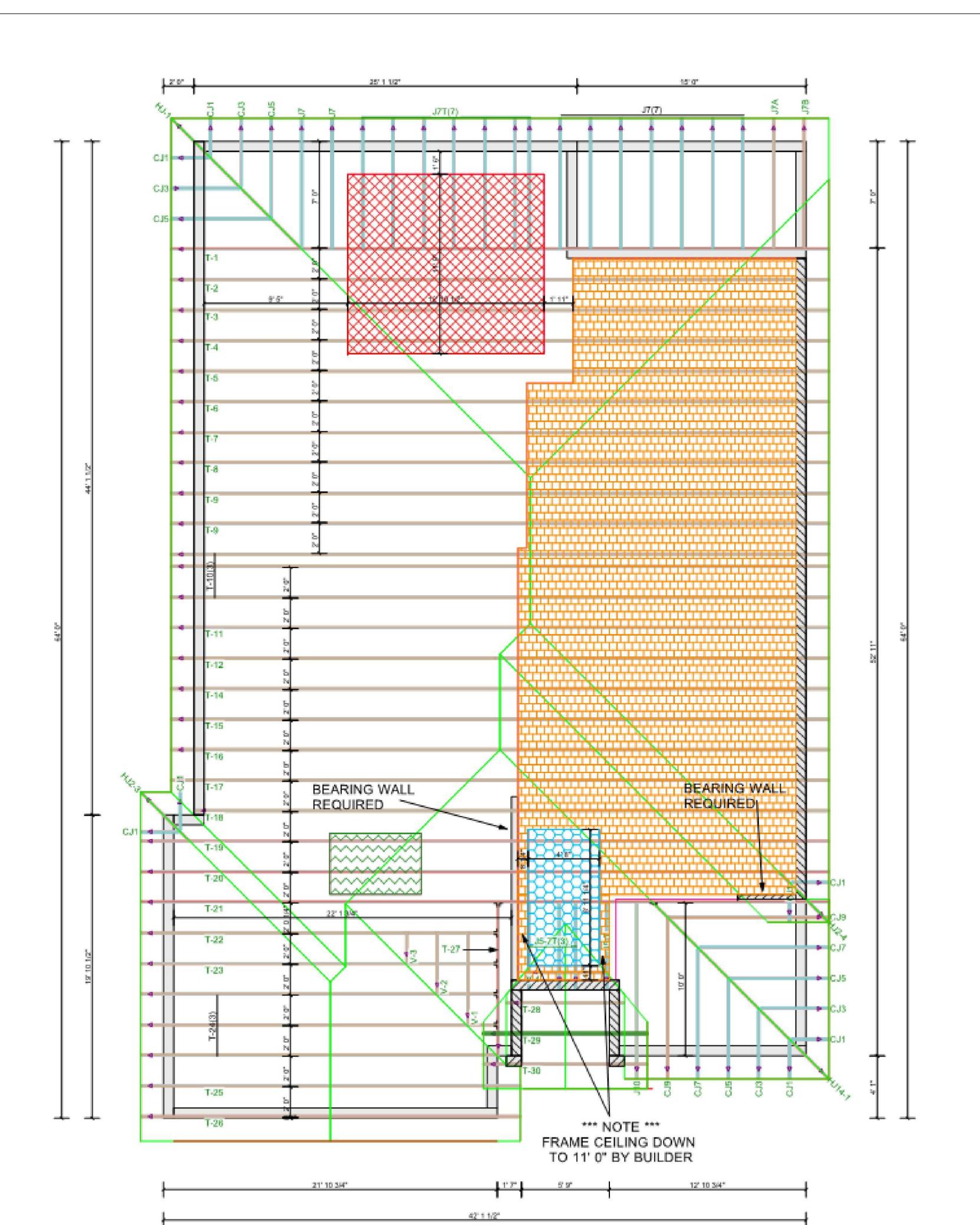
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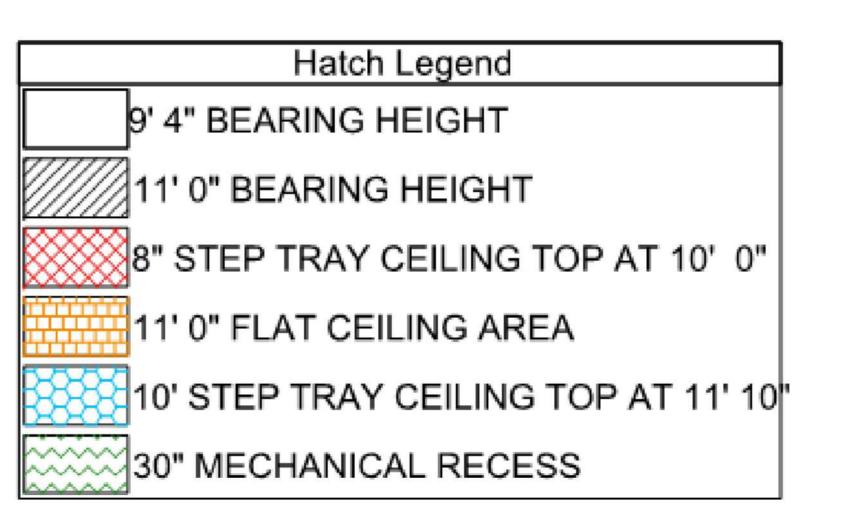
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CORY LAKE PROFESSIONAL CENT

Job # SG2205

Drawn By: KD

Checked By: S.G.

Issue Date	:11-25-22
Revisions No. Date	Description
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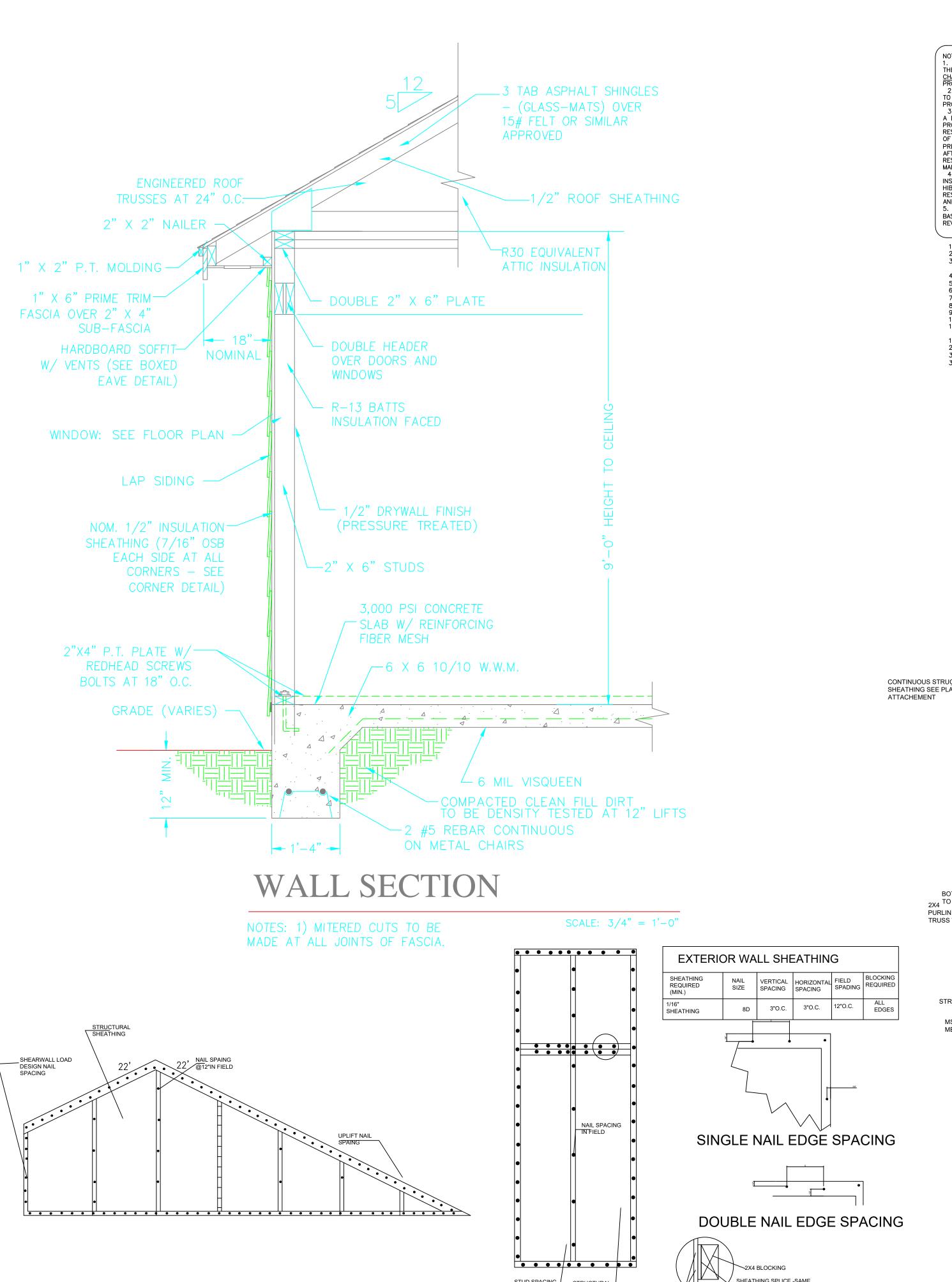
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4-3



NOTE:

1. ALL PRE-ENGINEERED WOOD PRODUCTS SHALL BE VERIFIED BY TRUSS MANUFACTURER. TRUSS MANUFACTURER SHALL HAVE
THE AUTHORITY TO MAKE SUBSTITUTIONS FOR PRODUCTS SPECIFIED ON THE PLANS DUE TO AVAILABILITY OR ECONOMICS.

CHANGES SPECIFIED BY THE TRUSS MANUFACTURER SHALL CONTROL. CHANGES MADE AFTER TRUSS ENGINEERING HAS BEEN
PROVIDED TO ENGINEER OF RECORD, MUST BE APPROVED BY THE ENGINEER OF RECORD.

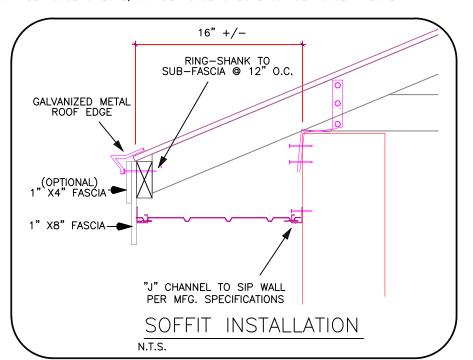
2. FRAMING PLAN IS DIAGRAMMATIC IN NATURE AND IS PROVIDED FOR ILLUSTRATION PURPOSES ONLY. TRUSS MANUFACTURER
TO PROVIDE SEPARATE LAYOUT AND TRUSS COMPONENT DESIGN SIGNED AND SEALED BY A FLORIDA REGISTERED
PROFESSIONAL FOGINFER PROFESSIONAL ENGINEER. A DELEGATED ENGINEER WOOD PRODUCTS ARE THE RESPONSIBILITY OF THE TRUSS MANUFACTURER. THE TRUSS ENGINEER IS A DELEGATED ENGINEER FOR THIS PROJECT, AND AS SUCH, IS RESPONSIBLE FOR THE VALIDITY OF THE COMPONENTS PROVIDED. FRAMING LAYOUTS SHOWN MAY BE CHANGED BY THE TRUSS MANUFACTURER. THE DELEGATED ENGINEER IS RESPONSIBLE FOR PROVIDING A FINAL SEALED SET OF ALL CALCULATIONS AND LAYOUTS FOR THIS PROJECT TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO MANUFACTURE OF SAID COMPONENTS. ENGINEER OF RECORD HAS NOT REVIEWED THE PRE-ENGINEERED TRUSS MANUFACTURER'S COMPONENTS AT THIS TIME AND RESERVES THE RIGHT TO MAKE ANY CHANGES AFTER SUCH INFORMATION HAS BEEN PROVIDED FOR REVIEW. CONTRACTOR, AS PROJECT COORDINATOR, SHALL BE RESPONSIBLE FOR INSURING INFORMATION REQUESTED ABOVE HAS BEEN SUBMITTED TO ENGINEER OF RECORD IN A TIMELY 4. ALL PRE-ENGINEERED TRUSSES TO BE DESIGNED USING THE MOST RECENT TPI CRITERIA. TRUSSES TO BE HANDLED AND INSTALLED USING MOST RECENT HIB RECOMMENDATIONS. TEMPORARY AND PERMANENT BRACING SHALL BE PER MOST RECENT HIB RECOMMENDATIONS UNLESS NOTED OTHERWISE, OR MORE STRINGENT CODE REQUIREMENTS APPLY. TRUSS ENGINEER IS RESPONSIBLE FOR INDICATING ALL TRUSS TO TRUSS CONNECTORS. ALL COMPONENTS TO BE DESIGNED FOR BOTH GRAVITY AND UPLIFT LOAD CASES, INCLUDING BEAM COMPONENTS. 5. UPON REVIEW, ENGINEER OF RECORD WILL PROVIDE A REVIEW LETTER INDICATING ANY CHANGE IN STRAPPING OR SUPPORT BASED ON THAT REVIEW. CONSTRUCTION COMMENCING PRIOR TO ENGINEER'S REVIEW IS SUBJECT TO MODIFICATION BASED ON

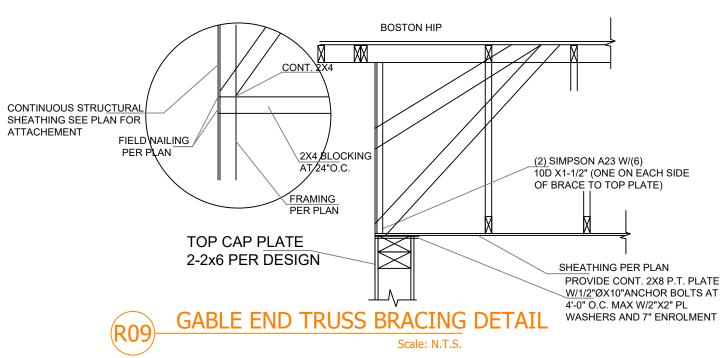
. 2"X10" RIDGE W/ 2"X8" RAFTERS S.Y. P. 16" O.C.COMMON RAFTER FRAMING. ATTACHMENT AT TOP OF NEW C.M.U. WALL TO BE SIMPSON HETA 20 STRAPS. 3. VALLEY FRAMING 2"X6" SLEEPER W/ (2) 4" TITAN BOLTS OR EQUIVALENT ATTACHED AT EVERY EXISTING ROOF RAFTER WITH SIMPSON H-3 ATTACHED EACH SIDE OF RAFTER. COLLAR TIES GLUED AND NAILED 12" DOWN FROM RIDGE AT 24" O.C..
4. GABLE FRAMING TO CONSIST OF 2X4 S.Y.P. DROP GABLE DESIGN. S.P.1 AT BOTTOM PLATE STUD CONNECTION. S.P 2 AT TOP PLATE STUD CONNECTION.

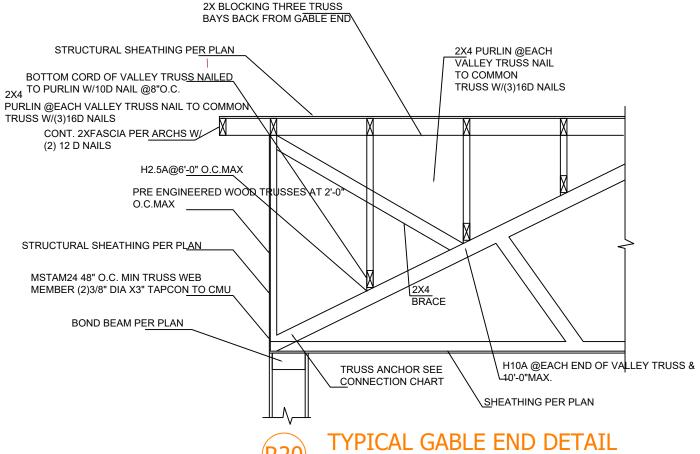
5. H-10 AT EACH OUTLOOKER 24" O.C. AT FRAMED WALL CONNECTION. ALL OUTLOOKERS TO BE 2X4 S.Y.P. 6. CEILING FRAMING TO BE 2X6 S.Y.P. AT EACH RAFTER. 7. ALL ROOF SHEATHING WILL BE 19/32 CDX 4 PLY WITH CLIPS AND NAILED PER F.B.C.

8. GABLE PLYWOOD TO BE 15/32.
9. FASCIA AND SUB-FASCIA AND SOFFIT TO MATCH EXISTING AS CLOSE AS POSSIBLE.
10. GUTTERS ON EACH SIDE OF NEW ROOF WITH DOWNSPOUTS.
11. MICROLAM BEAM WITH H10 CONNECTORS EACH END.

1.LONG SIDE OF SHEATHING TO BE TRUSSES OR RAFTERS-TYPICAL. 2.EDGE SPACING ALSO APPLIES OVER GABLE END WALLS OR TRUSSES. 3.FASTENING ZONE 2 AND 3 ARE EQUAL TO 10% OF TOTAL HOUSE WIDTH,DIMENSION "X" FROM ROOF EDGE 30' WIDE HOUSE=3' ZONE, 50'WIDE HOUSE=5' ZONE 60'WIDE HOUSE=6' ZONE







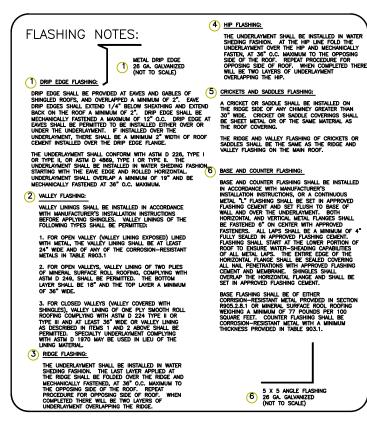
EXTERIOR GABLE END SHEATHING

						•
SHEATHING REQUIRED (MIN.)	NAIL SIZE	VERTICAL SPACING	HORIZONTA SPACING	ALFIELD SPADING	BLOCKING REQUIRED	
1/16" SHEATHING	8D	3"O.C.	3"O.C.	12"O.C.	ALL EDGES	ì

Scale: N.T.S.

STATE OF FLORIDA

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		COMPLETED TH UNDERLAYMEN	HERE WILL BE TWO LAYERS OF (NOT TO SCALE) TOVERLAPPING THE RIDGE.						
CONNECT	CONNECTION SCHEDULE								
Manufacturer Name	Model No.	FL Product Approval	Location / Use						
SIMPSON	"HETA-20"	# 11473-R2	AT ALL TRUSS/WALL CONNECTIONS						
SIMPSON	"MTS-12"	# 10456-R2	AT ALL RAFTER/WALL CONNECTIONS						
SIMPSON	"LSTA-36"	# 10852-R2	EMBEDDED IN BLOCK CELL MORTATO STRAP DOWN P.T. WOOD BEAMS ON TOP OF CONC. BLOCK COLUMNS						
SIMPSON	"H10"	# 10456-R2	AT ALL WALL PLATES/RAFTERS						
SIMPSON	"ECC66"	# 10860-R2	ANCHOR P.T. WOOD POSTS ON TOP PLYWOOD FLOOR						
SIMPSON	"ECCLR"	# 13904-R2	CAP LUMBER BEAM CORNERS ON P.T. POST						
SIMPSON	"A23" Angle	# 10446-R2	CAP LUMBER BEAM CORNERS ON P.T. POST						
SIMPSON	"SP2"	# 10456-R2	@ TOP PLATES						
SIMPSON	"SP1"	# 10456-R2	BOTTOM PLATE						
SIMPSON	"ABA66"	# 10849-R3	ANCHOR P.T. POSTS ON TOP OF NEW CONCRETE FOOTER SLAB.						
SIMPSON	"HH4"	# 10446-R2	USE 16d Nails W/ "HH4" TO ATTACH FLOOR BEAM TO P.T. WOOD POST						
SIMPSON	"HGUS48"	# 11468-R2	USE 16d Nails W/ "HGUS48" TO ATTACH FLOOR BEAM TO FRAME WALL BASE BOARD						
USP	"HUS28"	# 10655-R2	HEAVY DUTY JOIST HANGER-AT ALL PERPENDICULAR CONTACTS TO SECUP.T. ROOF RAFTERS TO WALL LEDGER BOARD						
USP	"NFM3.5x10"	# 578-R3	AT BEAM/BLOCKWALL CONNECTIONS						

1. Any products that are substituted, must meet or exceed products specified. Contractor must" provide data to building inspector at time of inspection.

BEAM SCHEDULE

LABLE BEAM HEADER (3)2X12 RAFTER WITH (2)1/2"PLYWOOD FLITCH USE 2 ROWS SIMPSON 1/4"X2-1/2" SOS SCREWS @12"O.C. PLUS CTS BEAD (3)2X12 RAFTER WITH (2)1/2 TEXTS.

OF PLSO CONSTRUCTION ADHESIVE

(2)2X6 RAFTER WITH 1/2"PLYWOOD FLITCH USE 2 ROWS SIMPSON 1/4"X2-1/2" SOS SCREWS @12"O.C. PLUS CTS

BEAD OF PLSO CONSTRUCTION ADHESIVE (3)2X8 RAFTER WITH 1/2"PLYWOOD FLITCH USE 2 ROWS SIMPSON 1/4"X2-1/2" SOS SCREWS @12"O.C. PLUS CTS BEAD OF PLSO CONSTRUCTION ADHESIVE

(3)2X10 RAFTER WITH 1/2"PLYWOOD FLITCH USE 2 ROWS SIMPSON 1/4"X2-1/2" SOS SCREWS @12"O.C. PLUS CTS BEAD

OF PLSO CONSTRUCTION ADHESIVE	JWS SIMPSON 1/4"X2-1/2"	SOS SCREWS @12°O.0
NAILING SCHEDULE		
CONNECTION	COMMON NAIL	# OF SPACING
SOLE PLATE TO TRUSS OR BLOCKING	16d	16"O.C.
STUD TO SOLE PLATE, TOE NAIL	8d	4
DOUBLE STUDS, FACE NAIL	10d	24"O.C.
DOUBLE TOP PLATES, FACE NAIL	10d	16"O.C.
TOP PLATES, LAPS AND INTERSECTIONS	10d	3
TRUSSES, LAPS OVER WALLS, FACE NAIL	16d	4
BUILT-UP CORNER STUDS	16d	24"O.C.
STUDS TO SOLE PLATE, END NAIL	16d	2

	FLORIDA PRODUCT APPROVALS										
CATEGORY	SUB-CATEGORY	MANUFACTURER	APPROVAL CODE (FL#)	APPROVAL DATE							
PANEL WALLS	SIDING	JAMES HARDIE	13223.2	10/10/2017							
WINDOWS	SINGLE-HUNG	JELD-WEN	14095.4	7/28/2017							
WINDOWS	FIXED	JELD-WEN	14088.3	8/16/2017							
EXTERIOR DOORS	SWINGING EXTERIOR DOOR ASSEMBLY	THERMATRU	10537.4	12/12/2017							
EXTERIOR DOORS	GARAGE DOOR	CLOPAY	5684.1	10/10/2017							
EXTERIOR DOORS	GARAGE DOOR	CLOPAY	5684.18	10/10/2017							
EXTERIOR DOORS	SWINGING EXTERIOR DOOR ASSEMBLY	THERMATRU	7640.1	12/12/2017							
EXTERIOR DOORS	SLIDING EXTERIOR DOOR ASSEMBLIES	JELD-WEN	21705.1	6/24/2020							
PANEL WALLS	SOFFITS	JAMES HARDIE	13265.1	6/2/2020							
ROOFING	ASPHALT SHINGLES	GAF	10124.1	4/7/2020							
ROOFING	UNDERLAYMENTS	OWENS CORNING	14299.1	6/18/2019							

GROSS AREA OF ROOF	3898	SQUARE FEET
GROSS AREA OF VENTED SOFFIT	182	SQUARE FEET
NET AREA OF VENTED SOFFIT	127SQL	JARE FEET (70%)
1/150 OF GROSS ROOF AREA	26	SQUARE FEET
1/300 OF GROSS ROOF AREA	13	SQUARE FEET
REQUIRED RIDGE & OFF RIDGE VENTS (TOTAL AREA)	3 SQL	JARE FEET TOTAL
IC VENTILATION PER FLORIDA BUILDING CODE 2017 (FOR GABLED AND HIPPED ROOFS, VENTILATION SHALL BE FURNISH CROSS VENTILATION OF EACH SEPARATE ATTIC WEATHER PROTECTED VENTS. ALL VENTS SHALL BE SO PROTECT THE INTERIOR FROM INTRUSION OF BIRDS. TOTAL NET FREE VENTILATING AREA TO THE AREA OF THE BE NOT LESS THAN 1/150. THAT AREA MAY BE REDUCED TOTAL ALL ALPOR RETARDER HAVING A PERMEANCE NOT EXPERM IS INSTALLED ON THE WARM SIDE OF THE CALL ALL LEAST 50% OF THE REQUIRED VENTILATING AREA VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACILIATIONS LOCATED IN THE UPPER PORTION OF THE SPACILIATION O	E PROVIDED SPACE WITHE RATIO CEILING S O 1/300 CEILING CEEDING CEEDING CEEDING CEEDING CEEDING OR STORM OF TO BE VOUDE	D TO

UNLESS OTHERWISE NOTED, ALL ROOF SHEATHING SHALL BE 19/32" CDX PLYWOOD, NAILED WITH 10d COMMON NAILS AT 6" O/C BOUNDARY, 6" O/C ALL OTHER EDGES AND 6" O/C FIELD.



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SG2205

Description

KD

Date: **11-25-22**

)rawn By

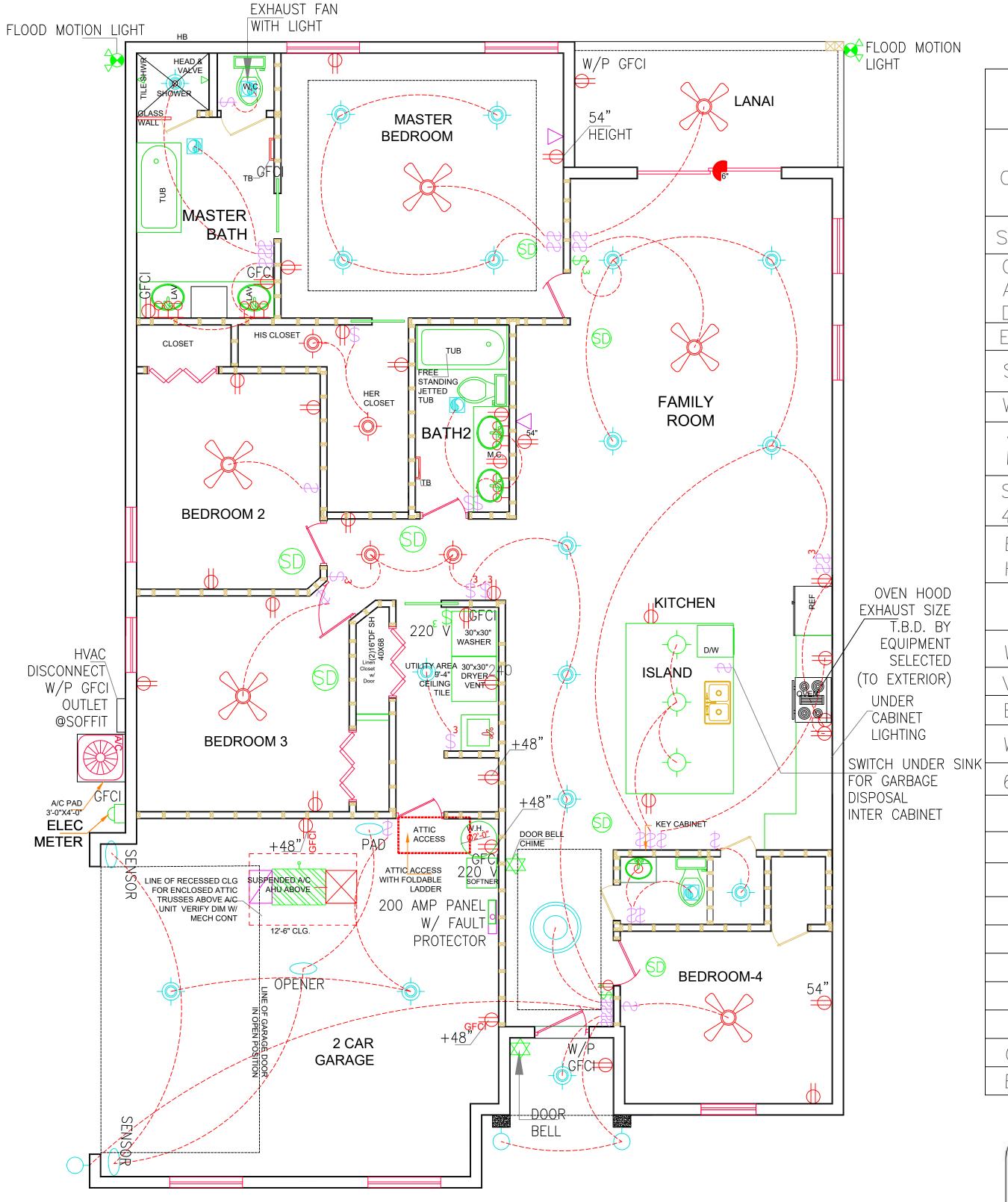
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Date



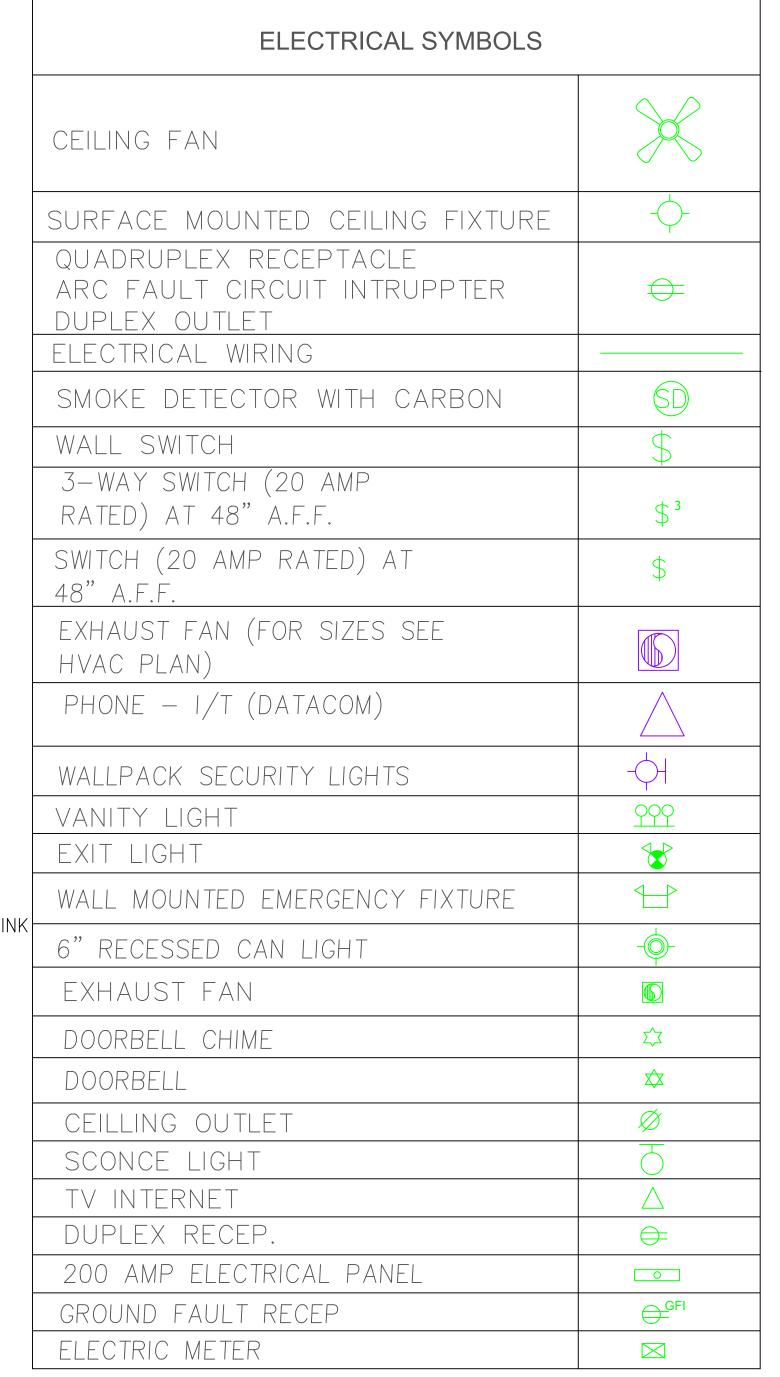


THICKNESS AND STRENGTH AXIS ORIENTATION AS WALL WITH CHAPTER 16 OF 2020 7TH EDITION FLORIDA BUILDING CODE AND APPLICABLE SUPPLEMENTS.



ELECTRICAL LAYOUT PLAN

Scale: 1/4" =1'-0"

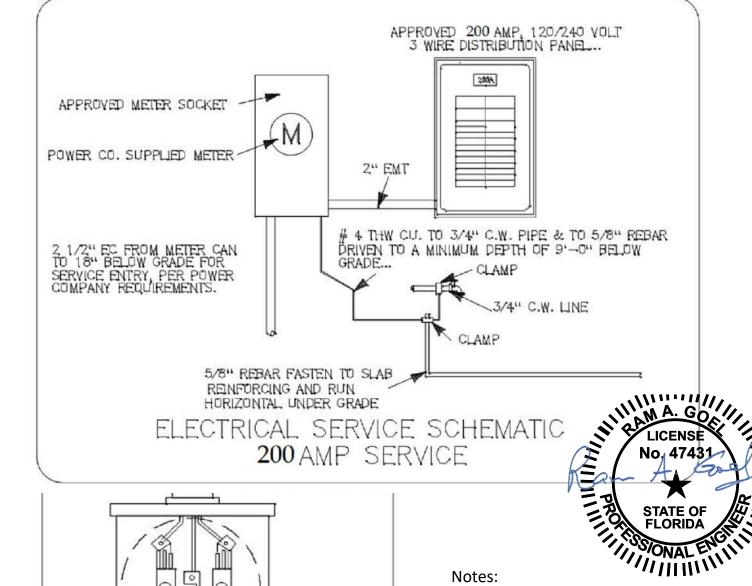


GENERAL ELECTRICAL NOTES

- FIXTURES AS PER SCHEDULE OR APPROVED EQUAL.
- FIXTURES SHALL BE COMPLETE WITH LAMPS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO

CONNECT ELECTRICAL POWER TO ALL MECHANICAL EQUIPMENT.

- ALL WIRING, CONDUIT, LABOR AND MATERIALS NOT SHOWN ON PLAN, BUT NECESSARY FOR COMPLETE AND PROPER OPERATIONS OF THE ELECTRICAL SYSTEM SHALL BE CONSIDERED AS PART OF THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND INSTALL ALL CONDUIT REQUIRED FOR THE TELEPHONES.
- ALL WORK AS PER GENERAL SPECIFICATIONS AND ALL FEDERAL, STATE AND LOCAL CODES.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID.
- THE ELECTRICAL CONTRACTOR SHALL PERSONALLY CONTACT THE POWER COMPANY IN ORDER TO VERIFY AND COORDINATE THE INSTALLATION OF THE MAIN ELECTRICAL SERVICE AND TRANSFORMER PLACEMENT TO THE BUILDING.
- THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL FIRE ALARM DEVICES REQUIRED TO SATISFY ALL APPLICABLE CODES & PROVIDE A WORKING SYSTEM. DEVICES SHOWN ON PLANS ARE FOR GUIDELINES ONLY.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A 200 AMP SINGLE PHASE TEMPORARY ELECTRICAL SERVICE AND WEATHER PROOF OUTLETS. COORDINATE LOCATION WITH POWER COMPANY. INCLUDE ALL FEES FOR TEMPORARY SERVICE IN THE BASE BID. REMOVE TEMP 11. SERVICE AFTER MAIN SERVICE BECOMES USABLE.
 - THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL TEMPORARY CONSTRUCTION LIGHTING PER O.S.H.A. AND CITY MINIMUM LIGHTING LEVELS IN THE BASE CONTRACT.



(SEE NOTE #4 SERVICE ENTRANCE CONDUCTORS.

BACK, SIDE, OR BOTTOM KNOCKOUTS MAY BE USED FOR LOAD CONDUCTORS.

A MINIMUM OF 6" CLEARANCE ON ALL SIDES AND 36" CLEARANCE IN FRONT OF METER SOCKET MUST BE MAINTAINED.

GROUNDING CONDUCTOR SHALL BE IN COPPER UNLESS A LARGER CONDUCTOR IS REQUIRED BY THE N.E.C.

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BOX ENCLOSURE FOR SEAL ALL CORNERS LIGHTING FIXTURE
(SHEET METAL, DRYWALL
DUCTBOARD ARE
ACCEPTABLE) INSULATION INSULATION RECESSED LIGHTING FIXTURE RECESSED LIGHTING FIXTURE NON-IC RATED CAN DETAIL

> **SCHEMATIC ONLY CONTRACTOR WILL SEEK** SEPARATE PERMIT

Ram Goel

CS-Soneyfmllc@yahoo.c

CN=Ram Goel,

OU=ENGINEERING,
O=Soney FM LLC,
L=Tampa, S=Florida, C-Date: 2022.11.25
13:41:58-05'00'

TYPICAL 120/240 VOLT SINGLE PHASE

THREE WIRE SOCKET INSTALLATION

SG2205

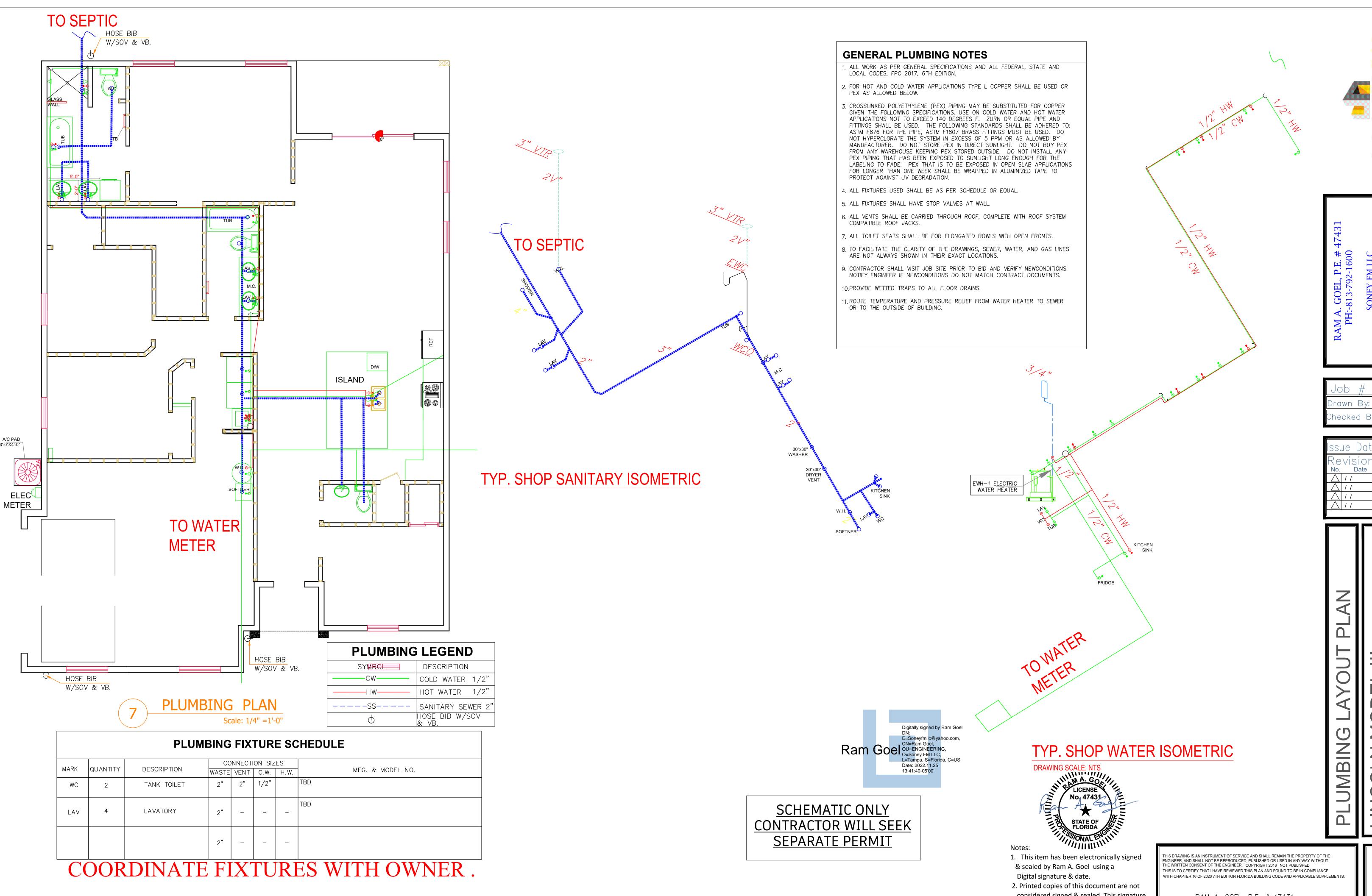
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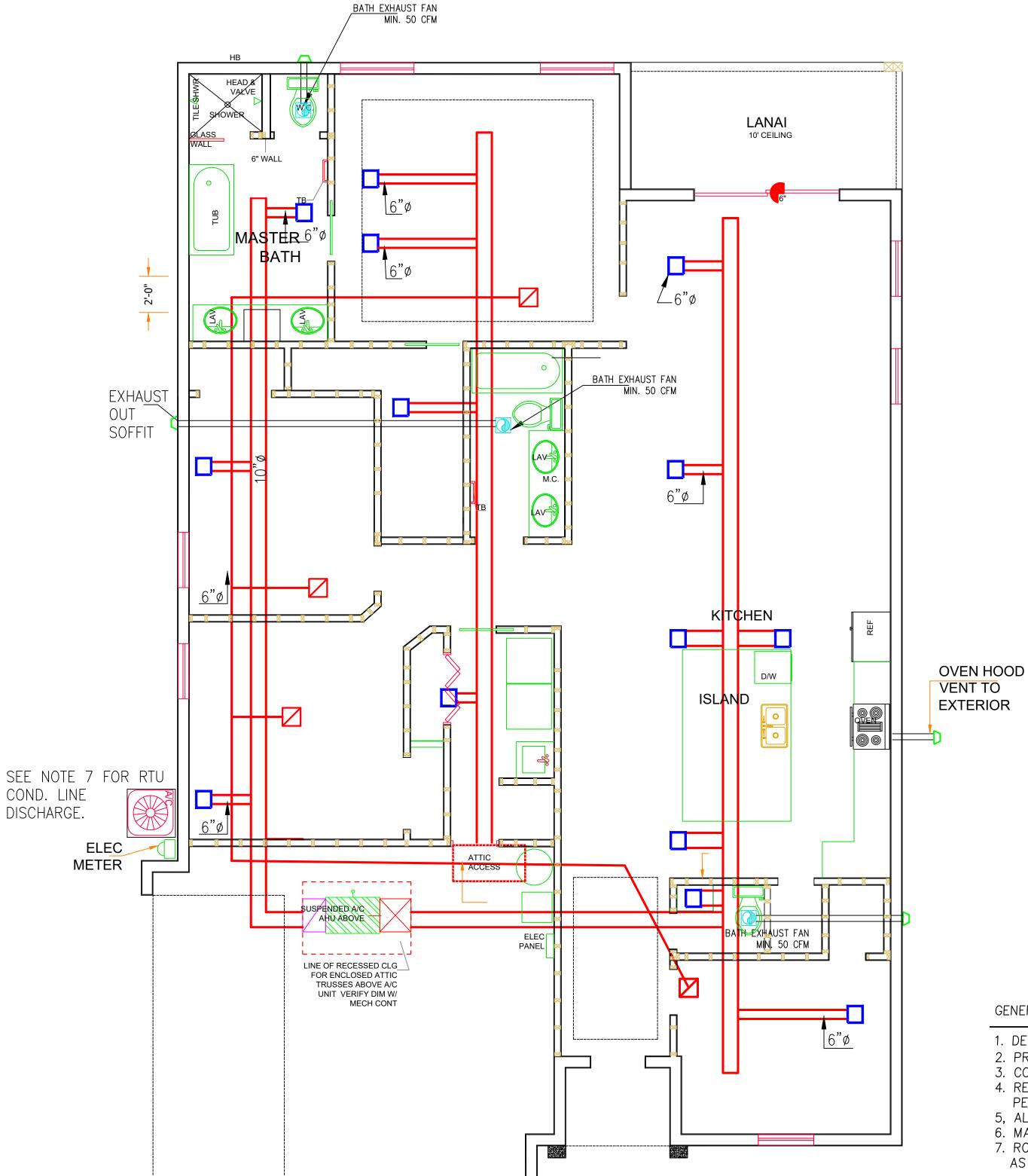


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NOTE; ALL EXHAUST FANS EXIT TO ROOF

HVAC LAYOUT PLAN ISO

Scale: 1/4" =1'-0"

RESIDENTIAL CLOTHES DRYER HORIZONTAL VENT THROUGH EXTERIOR WALL NITS

ALL PENETRATIONS (DUCT/PIPES/LIGHT FIXTURES/HVAC DIFFUSERS) SHALL BE PROTECTED AT ALL FIRE RATED WALLS AND FLOOR CEILING ASSEMBLIES.

	EXHAUST FAN SCHEDULE									
MARK	TYPE	CFM	ESP	FAN WATTS	DUCT	SONES	VOLT/PH	AMPS	LOCATION	MANUFACTURER & MODEL
EF-1	EXHAUST	65	0.25"	26.1	4"	2.0	120/1	0.3	TOILET/RR	BROAN 784
EF-2	EXHAUST	50	0.25"	17.5	4"	1.5	120/1	0.2	TOILET/RR	BROAN 770
EF	EXHAUST	50	0.25"	17.5	4"	1.5	120/1	0.2	TOILET/RR	BROAN 770

- 1. SCHEMATIC ONLY
- 2. MECHANICAL CONTRACTOR TO GET THEIR OWN SHOP DRAWINGS & PERMIT

MECHANICAL LEGEND SUPPLY AIR DIFFUSER

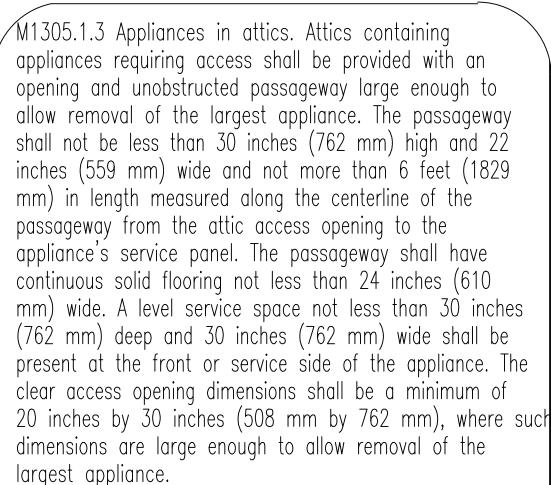
RETURN AIR DIFFUSER

GENERAL NOTES:

- 1. DESIGN TO MEET FLORIDA BUILDING MECHANICAL CODE 2017 ASHRAE, ASME, ANSI CODES.
- 2. PROVIDE 1" UNDERCUT ON ALL INTERIOR DOORS.
- 3. COORDINATE EXACT LOCATION OF DIFFUSERS WITH ARCHITECTURAL & REFLECTIVE CEILING PLANS.
 4. REST ROOMS EXHAUST WALL CAP TO BE PROVIDED WITH A CORROSION RESISTANT SCREEN AS
- PER FBCM.
 5, ALL ROOF MOUNTED EQUIPMENT SHALL BE INSTALLED TO WITHSTAND HURRICANE FORCE WINDS.
 6. MAINTAIN A MINIMUM OF 10 FT SEPARATION BETWEEN ANY AIR INTAKE AND EXHAUST DISCHARGE.
- 7. ROUTE CONDENSATE DRAIN, FULL SIZE TO NEAREST ROOF DRAIN. PROVIDE PIPING SUPPORT
 AS REQUIRED BY THE CODE. PROVIDE SECONDARY AUTOMATIC OVERFLOW FLOAT SWITCH.
- 8. ALL CONSTRUCTION/MATERIALS BY THE CONTRACTOR SHALL CONFORM TO THE 2017 FLORIDA BUILDING/ MECHANICAL CODE.
- 9. THE CONTRACTOR SHALL BALANCE THE SYSTEM TO WITHIN PLUS 10% OR MINUS 5% OF LISTED CFM VALUES. PROVIDE STANDARD FORMS TO DOCUMENT AIR PERFORMANCE., STATIC PRESSURE, ETC.

SCHEMATIC ONLY
CONTRACTOR WILL SEEK
SEPARATE PERMIT





Exception: The passageway and level service space are not required where the appliance is capable of being serviced and removed through the required opening. M1305.1.3.1 Electrical requirements. A luminaire controlled by a switch located at the required passageway opening and a receptacle outlet shall be installed at or near the appliance location in accordance with Chapter 33.

M1305.1.3.2 Air—handling units. Air—handling units shall be allowed in attics if the following conditions are met:

1. The service panel of the equipment is located within 6 feet (1829 mm) of an attic access.

2. A device is installed to alert the owner or shut the unit down when the condensation drain is not working properly.

properly.
3. The attic access opening is of sufficient size to replace the air handler.

4. A notice is posted on the electric service panel indicating to the homeowner that the air handler is located in the attic. Said notice shall be in all capitals, in 16 point type, with the title and first paragraph in bold: NOTICE TO OWNER

A PART OF YOUR AIR CONDITIONING SYSTEM, THE AIR HANDLER, IS LOCATED IN THE ROOF.

FOR PROPER, EFFICIENT, AND ECONOMIC OPERATION OF THE AIR CONDITIONING SYSTEM, YOU MUST ENSURE THAT REGULAR MAINTENANCE IS PERFORMED. YOUR AIR CONDITIONING SYSTEM IS EQUIPPED WITH ONE OR BOTH OF THE FOLLOWING:

1) A DEVICE THAT WILL ALERT YOU WHEN THE CONDENSATION DRAIN IS NOT WORKING PROPERLY OR

2) A DEVICE THAT WILL SHUT THE SYSTEM DOWN WHEN THE CONDENSATION DRAIN IS NOT WORKING. TO LIMIT POTENTIAL DAMAGE TO YOUR HOME, AND TO AVOID DISRUPTION OF SERVICE, IT IS RECOMMENDED THAT YOU ENSURE PROPER WORKING ORDER OF THESE DEVICES BEFORE EACH SEASON OF PEAK OPERATION.

SON Englishers

PH:-813-792-1600

SONEY FM LLC
CORY LAKE PROFESSIONAL CENT
10329 CROSS CREEK BLVD., SUITH
TAMPA, FL 33647

Job # SG2205 Drawn By: K.D. Shecked By: S.G.

Revisions:
No. Date Description

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LINCOLN MODEL III
791 NW SAVANNAH CIF

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