

A CUSTOM DESIGN LOOP TRADING, LLC

. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI (SLABS) 3000 PSI (COLUMNS AND BEAMS), A SLUMP OF 5"

- 6. ALL REINFORCING STEEL / STIRRUPS AND TIES SHALL BE NEW DOMESTIC DEFORMED BARS FREE FROM RUST, SCALE & OIL & SHALL MEET ASTM A615/ A615M GRADE 40 U.N.O. REINFORCING FOR FOOTING SHALL BE SUPPORTED ON PRE-CAST CONCRETE PADS. STEEL WIRE OR PLASTIC SUPPORT. TOP REINFORCING SHALL BE POSITIVELY SUPPORTED BY TEMPORARY STRINGERS. DOWELS FOR COLUMNS & FILLED CELLS SHALL BE SECURED IN PLACE BY USING ADDITIONAL CROSS- REINFORCING TIED TO FOOTING REINFORCING. SPLICES IN REINFORCING WHERE PERMITTED SHALL BE AS
- 8. WHERE PROJECT IS TO BE LOCATED IN KNOWN RADON GAS PREVALENT AREAS, APPENDIX "F" OF THE FLORIDA BUILDING CODE 7TH EDITION (2020) IS TO BE IMPLEMENTED. F303.4 CONCRETE STRENGTH IN THESE AREAS ARE TO BE A MINIMUM OF 3000 P.S.I. THEREFORE, ANY AND ALL NOTES ON
- 1. HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90-014, WITH A MINIMUM NET COMPRESSIVE
- 3. COARSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS 5. GRADE 40 U.N.O.VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 192 DIA OR 10FT WHICH EVER IS LESS. REINFORCING SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL WITH MIN 1/2" CLEARANCE TO INSIDE FACE.
- 7. GROUT STOPS SHALL BE PROVIDED BELOW BOND BEAM. PLASTIC SCREEN, METAL LATH STRIP OR CAVITY CAPS MAY BE USED TO PREVENT THE 8. TEMPORARY BRACING AND SHORING OF WALL TO PROVIDE STABILITY DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR
- 1. ALL EXTERIOR WOOD STUDS WALLS, BEARING WALLS, SHEAR WALLS, AND MISC. STRUCTURAL WOOD FRAMING MEMBERS, (I.E. BLOCKING OR GABLE END BRACING) SHALL BE EITHER AS SPECIFIED IN PLAN OR IN DETAILS. IF CONFLICTS OCCUR BETWEEN PLAN AND DETAILS, THE STRONGEST 2. ALL LUMBER SPECIFIED ON DRAWINGS ARE INTENDED FOR DRY USE ONLY (MOISTURE CONTENT 19% OR LESS), U.N.O. ALL WATERPROOFING AND 3. ANY WOOD FRAME INTERIOR BEARING WALL STUDS THAT HAVE HOLES IN THE CENTER OF THE STUD UP TO 1" DIA. SHALL HAVE STUD PROTECTION
- VERIFY THE TYPE OF WOOD TREATMENT AND TO SELECT APPROPRIATE CONNECTORS THAT RESIST CORROSION. FOR EXAMPLE, ACQ-C, ACQ-D, 6. UNTREATED WOOD SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE OR MASONRY. SEAT PLATES SHALL BE PROVIDED AT BEARING LOCATIONS
- 9. SEE PLAN NOTE FOR ADDITIONAL ROOF, WALL, SHEAR WALL AND FLOOR SHEATHING REQUIREMENTS ALONG W/ NAILING INFORMATION OTHERWISE
- 1. 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
 - 1. MATERIAL SPECIFICATIONS: WIDE FLANGE SECTIONS: ASTM A992, GRADE 50, Fy=50 KSI TUBE STEEL (HSS): ASTM A500, GRADE B, Fy = 46 KSI PIPE STEEL: ASTM A53, TYPE E OR S, Fy = 35 KSI ALL OTHER STRUCTURAL & MISC. STEEL: A36 Fy=36 KSI STRUCTURAL CONNECTIONS: ALL STRUCTURAL BOLTS TO BE A325N U.N.O. 2. STRUCTURAL BOLTS SMALLER THAN 5/8" DIA. TO BE A307 THREADED ROD SHALL CONFORM TO A36 OR A307 ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307 SHOP AND FIELD WELDS: E70XX ELECTRODES STEEL REINFORCEMENT SHOP DRAWINGS TO BE PROVIDED 3. STRUCTURAL CONNECTIONS: ALL STRUCTURAL BOLTS TO BE A325N U.N.O. ALL A325N 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 SMALLER THAN 5/8" DIA. TO BE A307 THREADED ROD SHALL CONFORM TO A36 OR A307 ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 ALL BOLTS CAST IN CONCRETE: ASTM A36 OR ASTM A-307 SHOP AND FIELD WELDS: E70XX ELECTRODES STEEL REINFORCEMENT SHOP DRAWINGS TO BE PROVIDED TO ENGINEER OF RECORD BEFORE FABRICATION FOR REVIEW AND APPROVAL. WELDED CONNECTIONS: ELECTRODES - E70XX UNO (LOW HYDROGEN). FILLET WELDS SHALL BE 3/6" UNC 4. SUBMIT SHOP DRAWINGS INDICATING ALL SHOP AND ERECTION DETAILS INCLUDING PROFILES, SIZES, SPACING, AND LOCATIONS OF STRUCTURAL MEMBERS 5. STRUCTURAL STEEL SHALL RECEIVE SHOP COAT OF PRIMER (COLOR AS DIRECTED BY ARCHITECT) EXCEPT FOR AREAS WHICH WILL RECEIVE SPRAY-ON FIRE
 - 6. A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD INSPECTIONS TO ENSURE CONFORMANCE WITH PLANS AND

- 1. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS PER 2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR 3. TRUSS MEMBERS AND CONNECTIONS SHALL BE PROPORTIONED (WITH A MAXIMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25%) TO WITHSTAND 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
- 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 IN ACCORDANCE WITH SPECIFIED LOADS AND GOVERNING CODES SUBMITTALS SHALL INCLUDE TRUSS FRAMING PLANS AND DETAILS SHOWING MEMBER SIZES, BRACING, ANCHORAGE, CONNECTIONS, TRUSS LOCATIONS, 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
- 1. 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 1/2" TITEN HD BOLTS WITH MINIMUM 7" EMBEDMENT. SEE PLAN FOR EMBEDMENT 2. FOR MISSED VERT. DOWELS, 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 EMBEDMENT EPOXY (SIMPSON HIGH STRENGTH EPOXY-TIE ANCHORING ADHESIVE) MIXED PER THE MANUFACTURER'S INSTRUCTIONS. ASSURE THAT ALL DUST AND DEBRIS FROM DRILLING ARE REMOVED FROM THE HOLE BY BRUSHING AND USING COMPRESSED AIR PRIOR TO APPLYING THE EPOXY. ALLOW THE EPOXY TO CURE TO THE MANUFACTURER'S SPECIFICATIONS, THEN FILL THE CELL IN THE NORMAL WAY DURING BOND BEAM 3. FOR 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).
- 4. MISSED LINTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED WITH (1) SIMPSON MTSM16 TWIST STRAP W/ (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 1720#). IF CORNER STRAP IS MISSED, CONTRACTOR IS TO 5. NO MORE THAN 10 STRAPS MAY BE SUBSTITUTED OR NO MORE THAN 3 IN A ROW WITHOUT APPROVAL FROM EOR. IF GIRDER TRUSS CONNECTIONS ARE MISSED, 6. IF MISSED, MSTAM36 OR MSTAM40 STRAP IS MISSED FOR 2ND FLOOR JAMB STUD CONNECTION, CONTRACTOR MAY INSTALL SIMPSON HTT5 W/ (26) 16d x 21/2" NAILS AND 5/8" ANCHOR BOLT SET IN SIMPSON HIGH STRENGTH EPOXY W/ MIN 6" EMBEDMENT AND MIN 3" EDGE DISTANCE. CONTACT EOR IF STRAPS ARE

STRUCTURAL DESIGN CRITERIA

- CODE CRITERIA
- LORIDA BUILDING CODE 7TH EDITION (2020) RESIDENTIAL FLORIDA FIRE PREVENTION CODE 7TH EDITION (2020)
- · FLORIDA BUILDING CODE ACCESSIBILITY 7TH EDITION (2020)
- · NFPA 70-14. NATIONAL ELECTRICAL CODES. (NEC 2017) & 6TH FBCR CH. 34-43 · BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE - (ACI 318-14).
- · SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301-10).
- BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13). NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION - 2015 EDITION
- WOOD FRAMED CONSTRUCTION MANUAL 2015 EDITION. · APA PLYWOOD DESIGN SPECIFICATION 2012 EDITION.
- · AMERICAN SOCIETY OF CIVIL ENGINEERS: ASCE/SEI 7-16
- · ALUMINUM DESIGN MANUAL 2015 EDITION

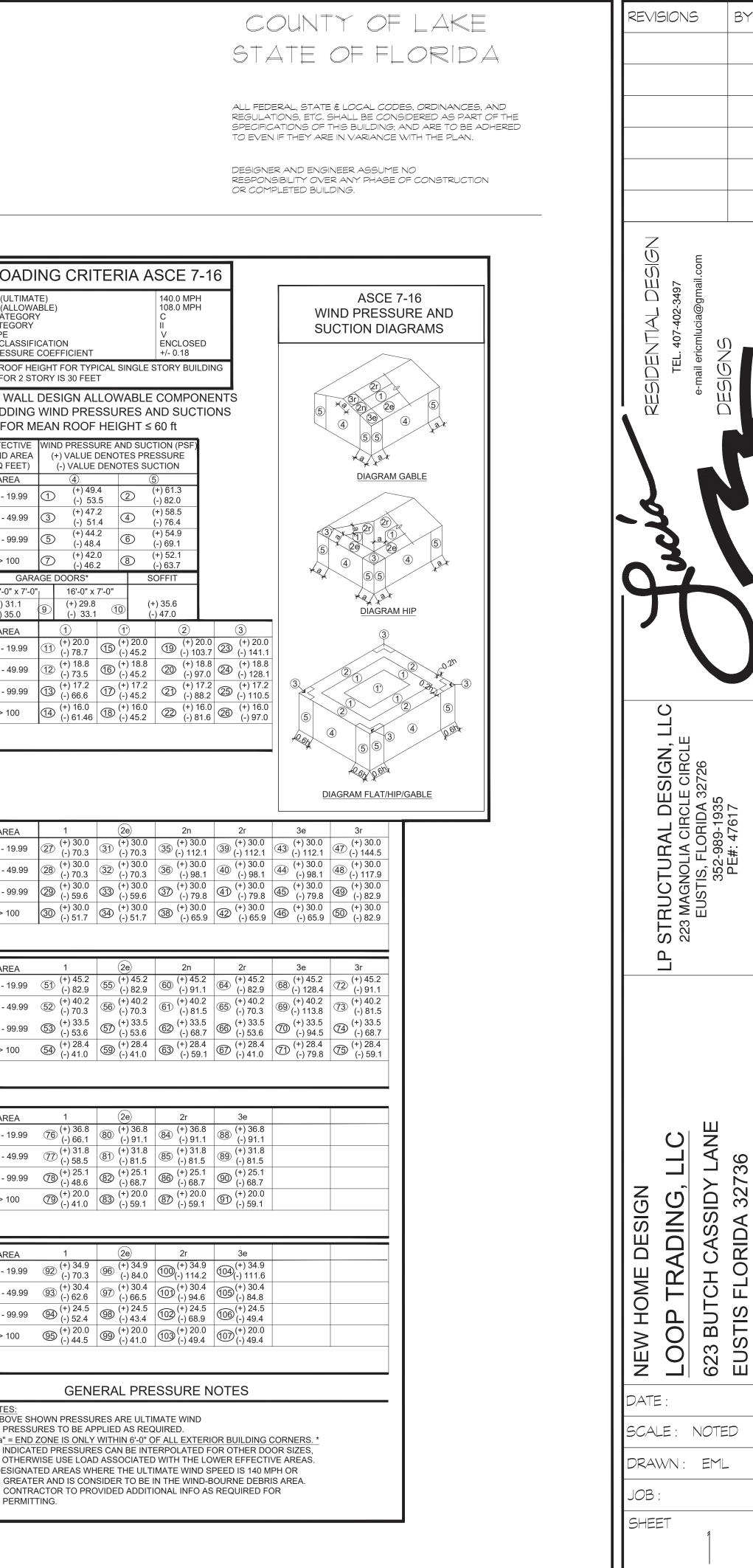
GENER	AL ROO	F LOADI	NG	
	SHINGLE ROOF (PSF)	METAL ROOF (PSF)	TILE ROOF (PSF) I	HEAVY ROOF (PSF)
TOP CHORD LL TOP CHORD DL	20 10	20 10	20 15	20 25
BOTTOM CHORD LL* BOTTOM CHORD DL	0 10	0 10	0 10	0 10
TOTAL (PSF)	40	40	45	55
BOTTOM CHORD LL (OPT) ATTICS W/ LIMITED STORAGE ATTICS W/ HEAVY STORAGE * ATTICS W/ NO STORAGE (NON-CONCURRENT)	20 50 10			
NOTE: LL REDUCTIONS ARE AL APPROVAL FROM EOR OR IND			LY WITH WRIT	ΓΤΕΝ
GENER	AL FLOO	R LOAD	ING	
TOP CHORD LL TOP CHORD DL	40 (PSF) 10 (PSF)	COMMENTS:		
BOTTOM CHORD LL BOTTOM CHORD DL	0 (PSF) 5 (PSF)			
	L FLOOI	R LOADI	NG	
GAME ROOM / READING ROOM BALCONIES / DECKS BALCONIES OVER 100 SQ:FT LIGHT STORAGE GUARDRAILS AND HANDRAILS GUARDRAIL IN-FILL COMPONE STAIRS / NON SLEEPING ROOM SLEEPING ROOMS LIBRARIES - STACK ROOMS	40(PSF) 100(PSF) 125(PSF) 200(LBS)(NTS 50 (LBS)(d) f. BALUSTE f) AHORIZO LOAD OF	TS: E CONCENTRA IN ANY DIRECT ONG THE TOP. RS AND PANEL DESIGNED TO DNTALLY APPLI 50 POUNDS ON D 1 SQ. FT.	ION AT ANY S FILLERS WITHSTAND ED NORMAL
DEFLE				
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/120 TL/240 TL/240 TL/240 TL/240	COMMENTS:	
*TL MAX 2" UP TO 40FT SPAN **TL MAX 3/4" *** TL MAX 1/2"		MAX 1/4" DIFFE JACENT TRUS	ERENTIAL BET SES	WEEN

SHEET INDEX COVER SHEET STRUCTURAL NOTES, CODE COMPLIANCE, SPECS AND WIND PRESSURES SITE PLAN FLOOR PLAN - NOTED

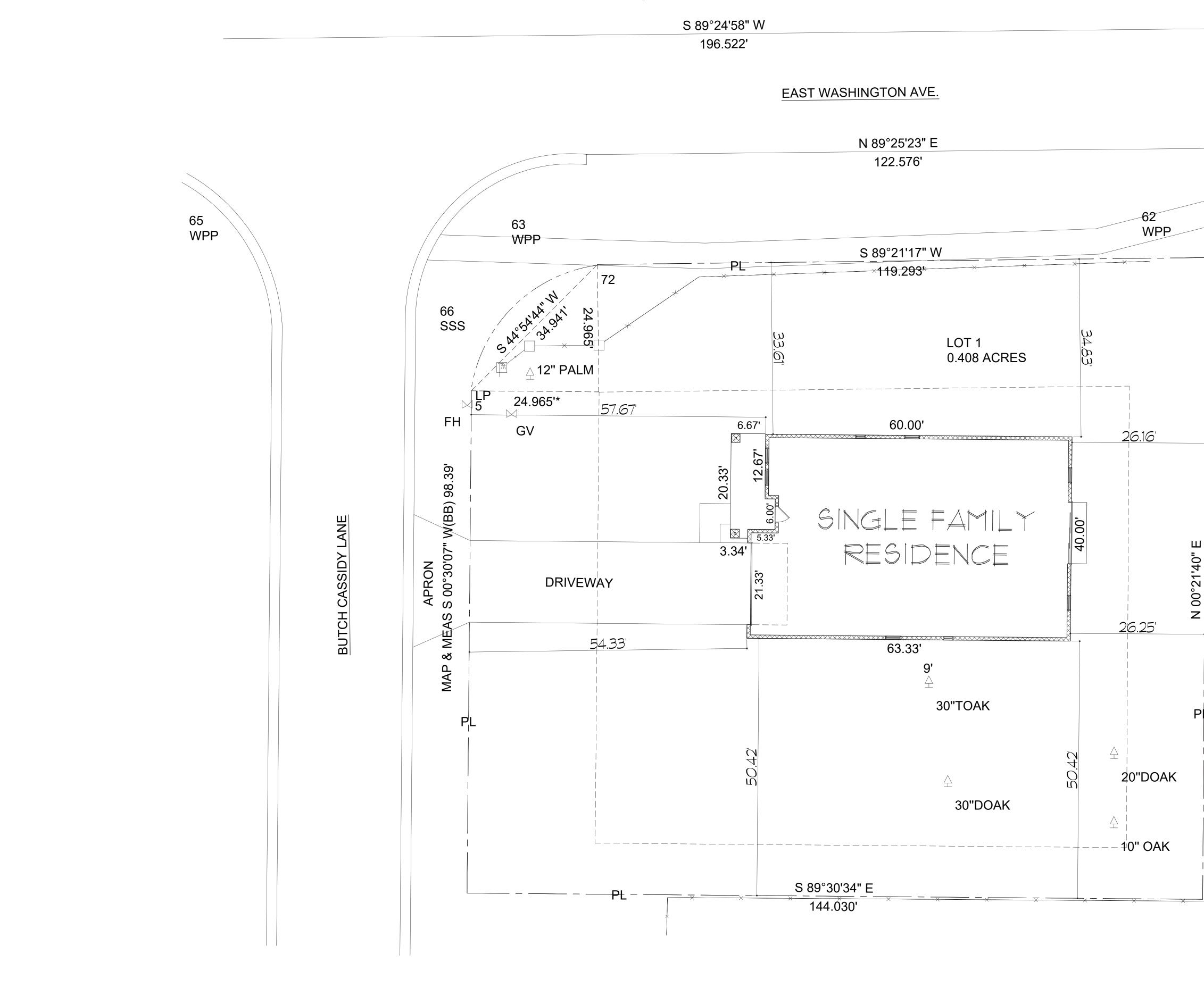
FLOOR -PLAN - DIMENSIONED EXTERIOR ELEVATIONS ROOF FRAMING PLAN DETAILS ELECTRICAL PLAN FOUNDATION PLAN FOOTING DETAILS LINTEL LOADING TABLES AND CONCRETE DETAILS CONNECTOR SCHEDULE AND 13 ENGINEERING DETAILS HEADER SCHEDULE AND ENGINEERING DETAILS

WINE) LOADI	NG CI
WIND SP	EED (ULTIMAT EED (ALLOWA	BLE)
	RE CÀTEGORY 3 CATEGORY 3 TYPE	(
	JRE CLASSIFI L PRESSURE	
	EAN ROOF HE AND FOR 2 ST	
-	7-16 WALL	-
AND (CLADDING FOR M	WIND P EAN RO
	EFFECTIVE WIND AREA	WIND PRE (+) VAL
	(SQ FEET)	(-) VAI
	10 - 19.99	(1) (+ (-)
WALLS	20 - 49.99	3 (+ (-)
WA	50 - 99.99	(+ (-)
	> 100	
	9'-0" x 7'-0"	GE DOOR
	(+) 31.1 (-) 35.0	9 (+) 2 (-)
OOF	AREA	(1)
ШШ	10 - 19.99 20 - 49.99	$\begin{array}{c} (1) & (-) & 78 \\ \hline (1) & (-) & 78 \\ \hline (12 & (+) & 18 \\ \hline (12 & (-) & 73 \\ \hline \end{array}$
IIP/GABI DEGRE	50 - 99.99	(+) 17
LAT/HIP/GAB TO 7 DEGRE	> 100	(+) 16
TO TO		(-) 61
Ы Ы О		
27	AREA	1
0 ТО	10 - 19.99	27 (+) 30 (-) 70
ROOF > 20 E	20 - 49.99	(+) 30 (-) 70
1005	50 - 99.99	(+) 30 (-) 59
Ч Ж	> 100	30 (+) 30 (-) 51
GABI DEGI		
0 45	AREA	1
27 TO	10 - 19.99	(+) 45 (-) 82 (+) 40
٨	20 - 49.99	(-) 70
ROOF E	50 - 99.99	(-) 53
GABLE R DEGREE	> 100	(-) 41
GAI DE(
	AREA	1
) 27	10 - 19.99	(+) 36 (-) 66
P 1	20 - 49.99	(+) 31 (-) 58
N N L	50 - 99.99	(+) 25 (-) 48
HIP ROOF > 20 DEGREE	> 100	(+) 20 (-) 41
HIP DEG		
	AREA	1
27 TO 45	10 - 19.99	(+) 34 (-) 70
27 T	20 - 49.99	(+) 30 (-) 62
<u>~</u> НОШ	50 - 99.99	(+) 52
GRE GRE	> 100	95 (-) 44
HIP DEO		
		GE
	NOTES: 1. ABOVE SH	
	2. "a <u>" = END 2</u>	RES TO BE ZONE IS ON ED PRESSI
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PERMITTING.



13 SHEET: LEGAL DESCRIPTION:





	REVISIONS BY
	RESIDENTIAL DESIGN TEL. 407-402-3497 e-mail ericmlucia@gmail.com DESIGNS
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PLAN NOTES:

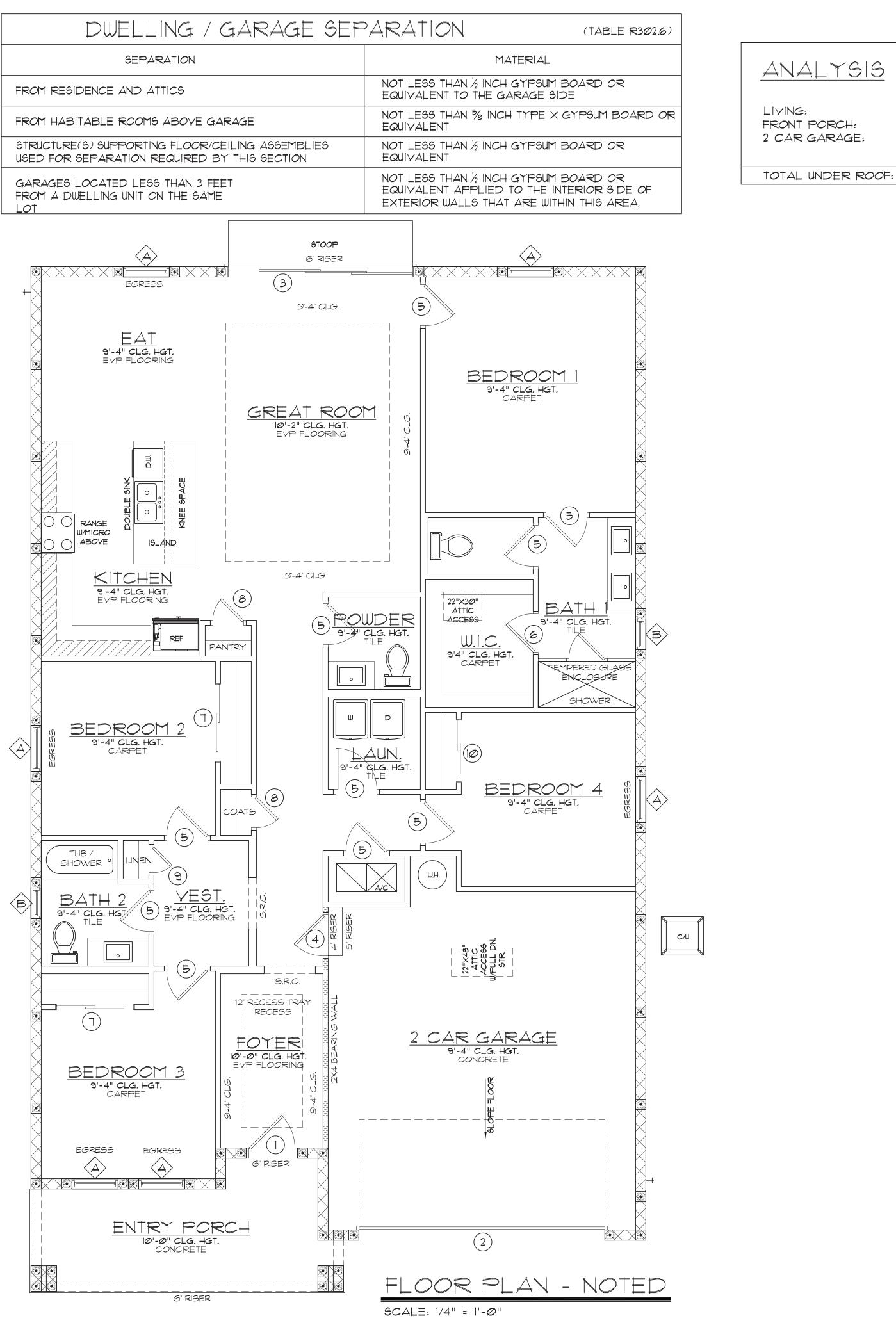
- 1. OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL HAVE A 20 MIN. FIRE RATED DOOR OR SOLID WOOD DOOR NOT LESS THAN I AND 3% INCHES IN THICKNESS OR SOLID OR HONEYCOMB DOOR. DOOR SHALL BE EQUIPPED WITH AUTOMATIC CLOSER.
- 2. PROVIDE 2X BLOCKING AT MIDPOINT ON ALL INTERIOR STUD WALLS.

WIND	OW S	CHED	ULE	
TAG	WIDTH	HGT.	QTY.	NOTES
\bigcirc	3'-Ø"	5'-Ø"	6	CASEMENT
B	2'-Ø"	4'-Ø"	2	CASEMENT - TEMPERED

DOC	DOOR SCHEDULE						
EXT	ERIC	R					
TAG	WIDTH	HGT.	QTY.	NOTES			
	3'-Ø"	8'-Ø"	2	FULL GLASS			
2	16'-0"	8'-Ø"	1	OVERHEAD GARAGE DOOR			
2	12'-Ø"	8'-Ø"	1	3-PANEL SLIDING GLASS			

INTE	RIOF	2		
TAG	WIDTH	HGT.	QTY.	NOTES
4	2'-8"	8'-Ø"	1	20 min.fire rated w/self closer
5	2'-8"	8'-Ø"	10	SWING
6	2'-6"	8'-Ø"	1	SWING
	5'-Ø"	8'-Ø"	2	BI-PASS
8	2'-Ø"	8'-Ø"	2	SWING
9	1'-8"	8'-Ø"	1	SWING
	4'-Ø"	8'-Ø"	1	BI-PASS

LOT

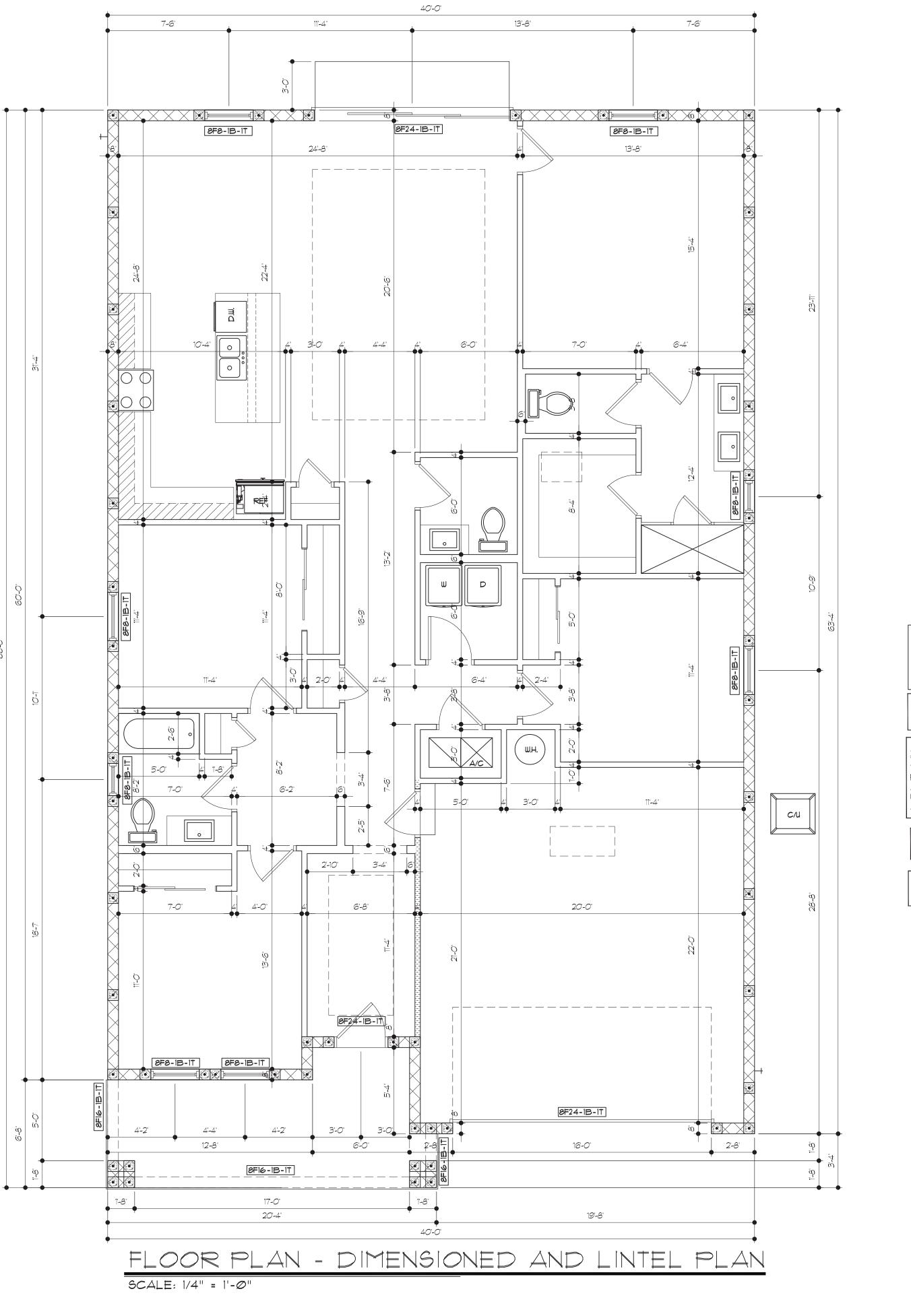


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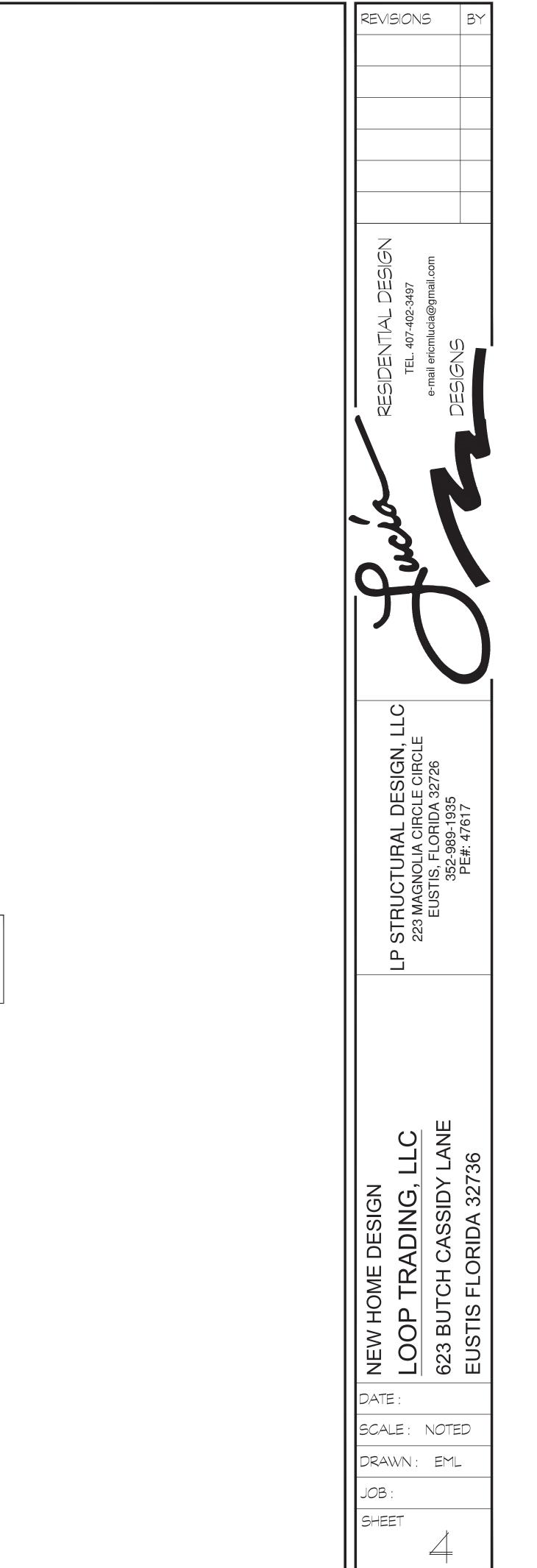
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RESIDENTIAL DESIGN TEL. 407-402-3497 e-mail ericmlucia@gmail.com	
URAL DESIGN, LLC DLIA CIRCLE CIRCLE , FLORIDA 32726 2-989-1935	
LP STRUCTURAL DESIGN, I 223 MAGNOLIA CIRCLE CIRCLE EUSTIS, FLORIDA 32726 352-989-1935	PE#: 47617
NEW HOME DESIGN LOOP TRADING, LLC 623 BUTCH CASSIDY LANE	EUSTIS FLORIDA 32736
DATE : SCALE : NOTE DRAWN : EML JOB : SHEET 2	D



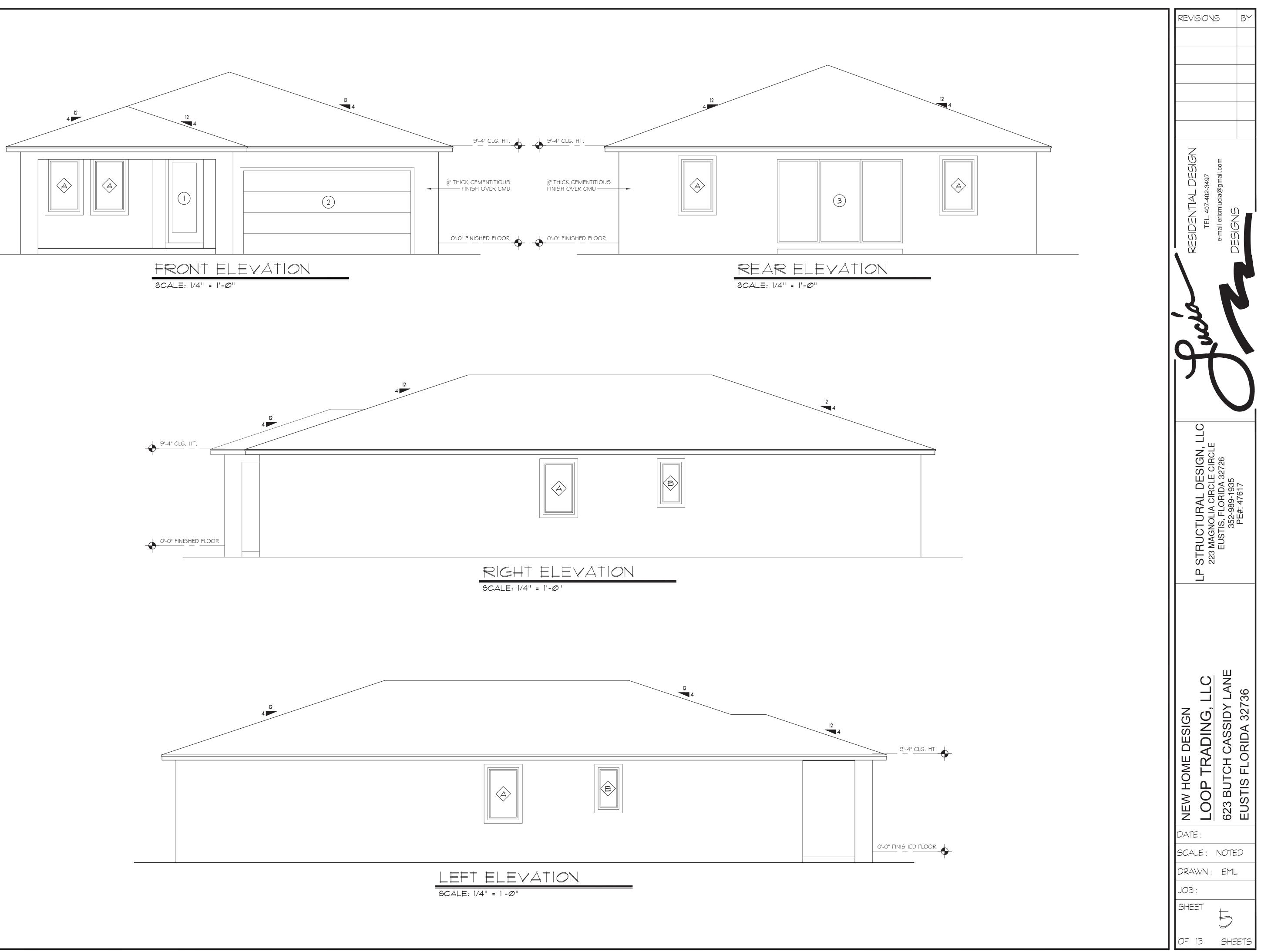
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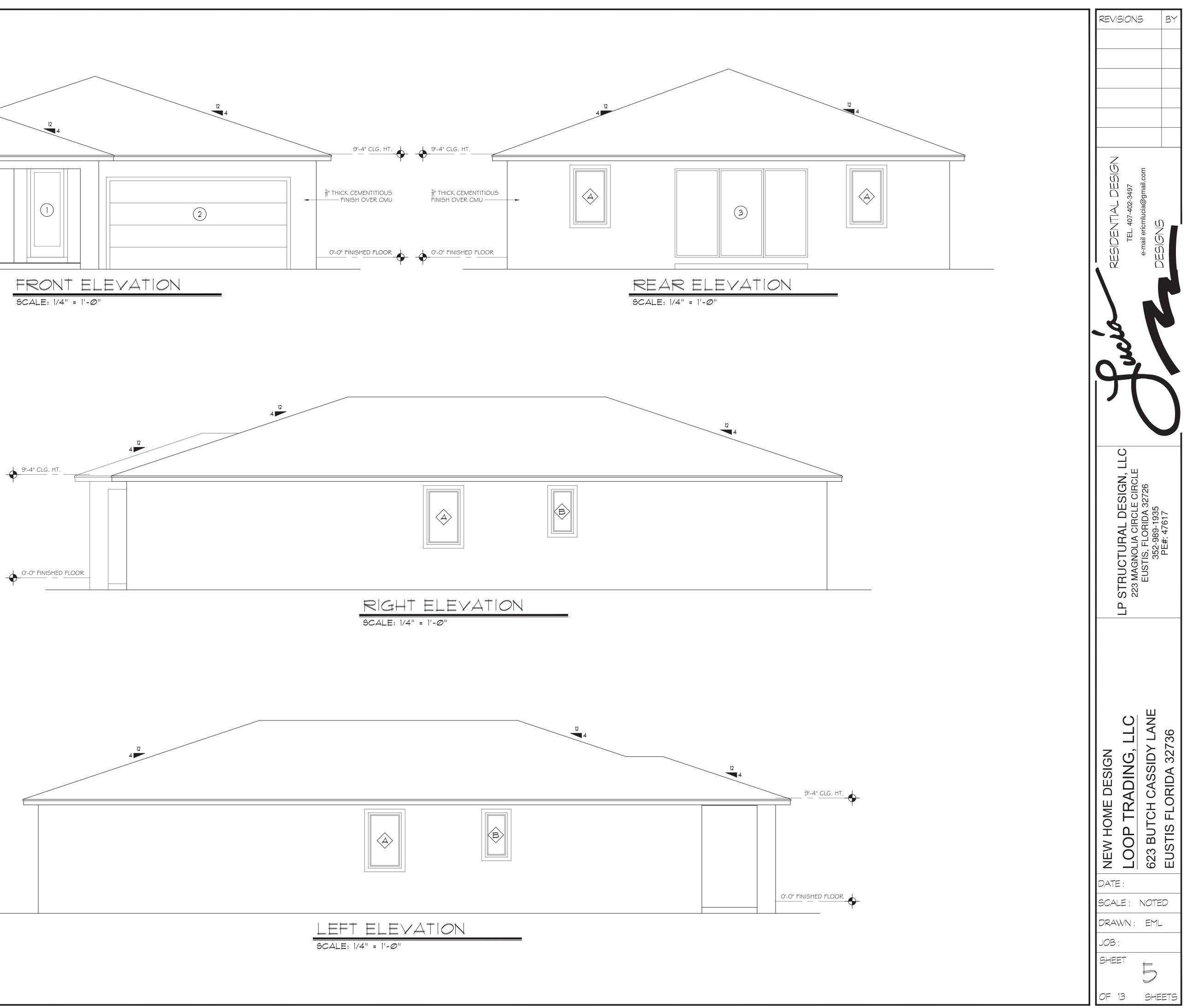
<u>NOTE:</u> CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO ANY CONSTRUCTION UNLESS OTHERWISE NOTED HEADERS SHALL BE DESIGNED PER ATTACHED HEADER SCHEDULE ON SHEET 12 <u>FRAMING LEGEND</u> CONNECTOR SCHEDULE TAG – SEE DETAILS ON SHEET 12 * TYPICAL CONNECTION TAG – SEE DETAILS ON SHEET 12 * UNLESS OTHERWISE NOTED, DIMENSIONS ARE TO OUTSIDE OF SLAB FOR ADDITIONAL DIMENSIONING REFER TO ARCHITECTURAL SET OF PLANS ALL LINTEL SPANS SHALL BE VERIFIED BY BUILDER PRIOR TO WALL CONSTRUCTION ALL LINTEL DEPTH SHOWN ON THIS PLAN IS THE MINIMUM REQUIRED FOR ALL APPLICABLE LOADS. ALLOWING BUILDER TO INCREASE DEPTH OF LINTEL TO FIT ANY APPLICATION. FOR ALL THOSES CASES AND UNLESS OTHERWISE NOTED, LINTELS SHALL BE 8" OR 12" WIDE BY APPLICABLE DEPTH. UNLESS OTHERWISE SPECIFIED, FILL ALL COURSES WITH SOLID 3,000 PSI CONCRETE AND 1 #5 ROD TOP AND BOTTOM. PRECAST CONCRETE LINTEL PER ATTACHED SCHEDULE ON SHEET II \vee .I.F. = \vee ERIFY IN FIELD BY BUILDER AND INFORM ENGINEER

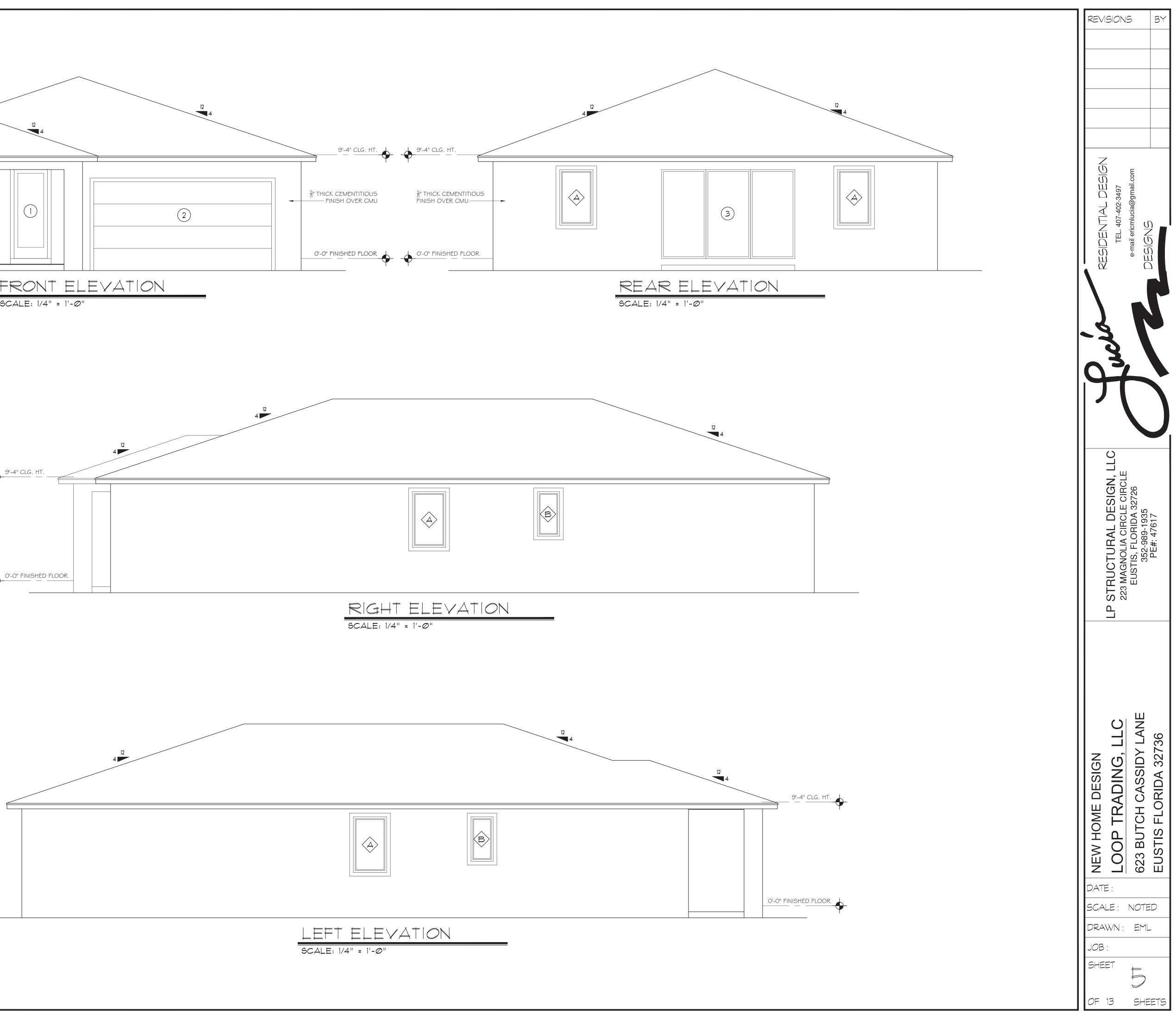


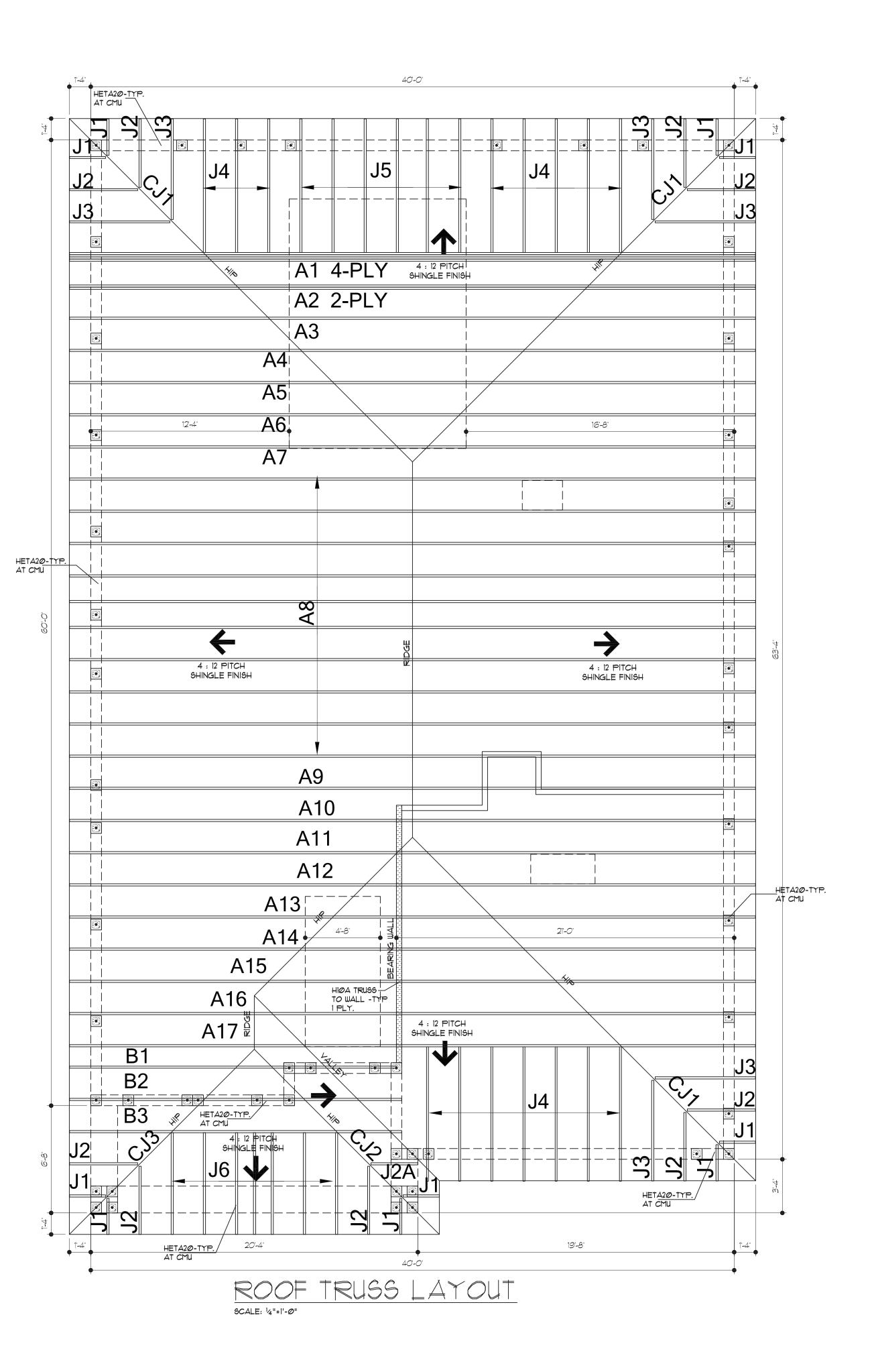
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SHEETS







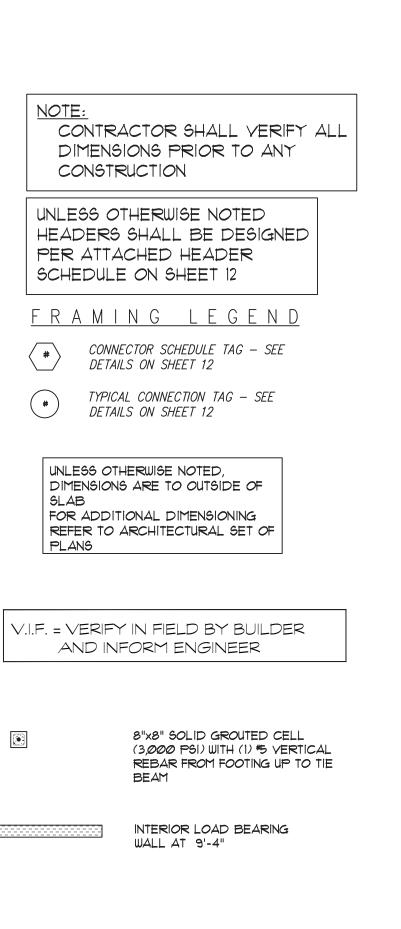


ATTIC VENTILATION

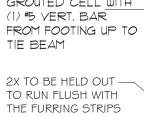
THE TOTAL NET-FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE ATTIC SPACE TO BE VENTILATED. THE TOTAL VENTILATION MAY BE REDUCED TO 1/300 PROVIDED AT LEAST 50% BUT NOT MORE THAN 80% OF THE REQUIRED VENTILATION BE LOCATED IN THE UPPER PORTION OF THE AREA TO BE VENTILATED, OR AT LEAST 3' ABOVE THE SOFFIT VENTILATION INTAKE.

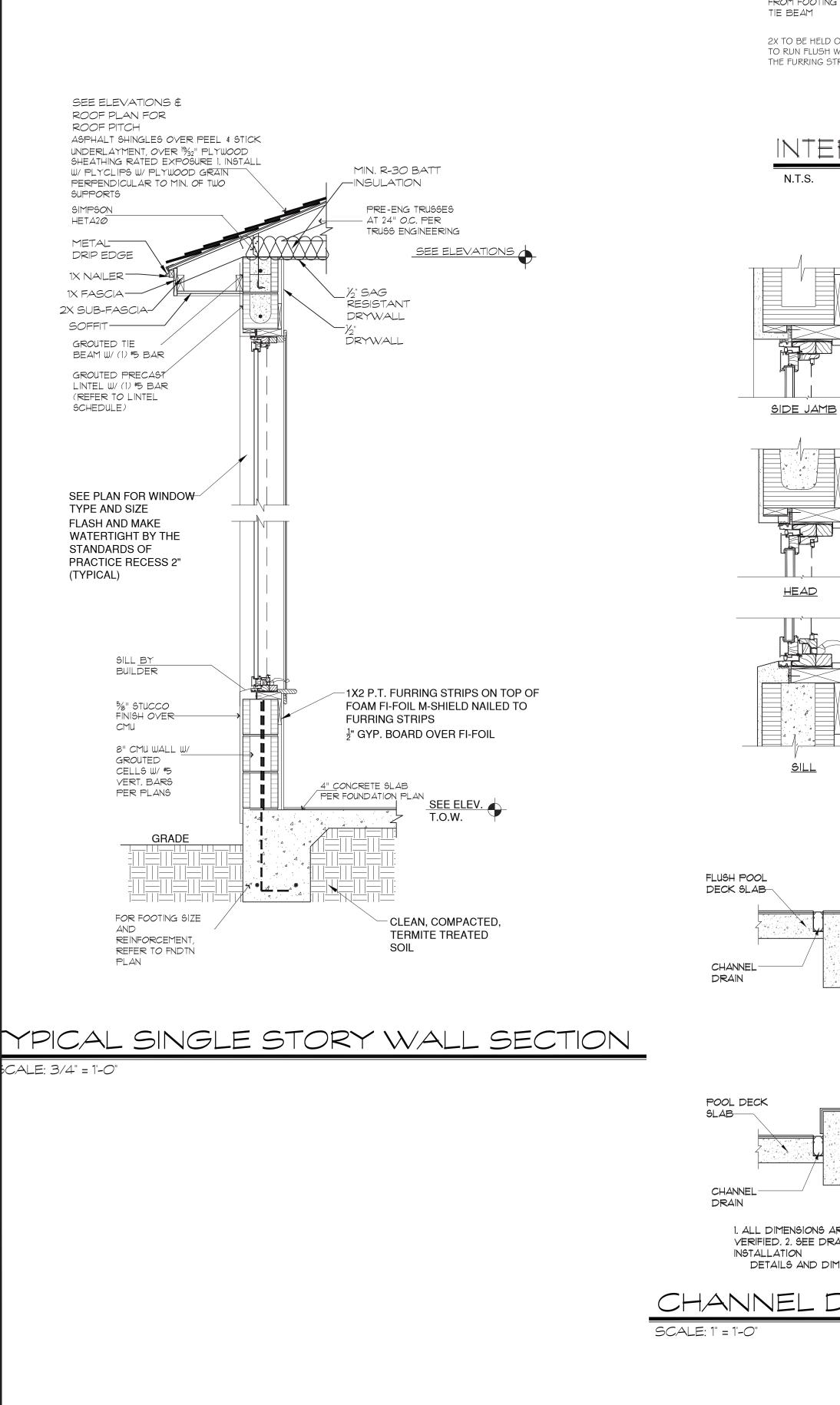
2561 SQUARE FEET OF TOTAL ATTIC / 150 =

17.1 SQUARE FEET OF NET-FREE VENTILATION REQUIRED

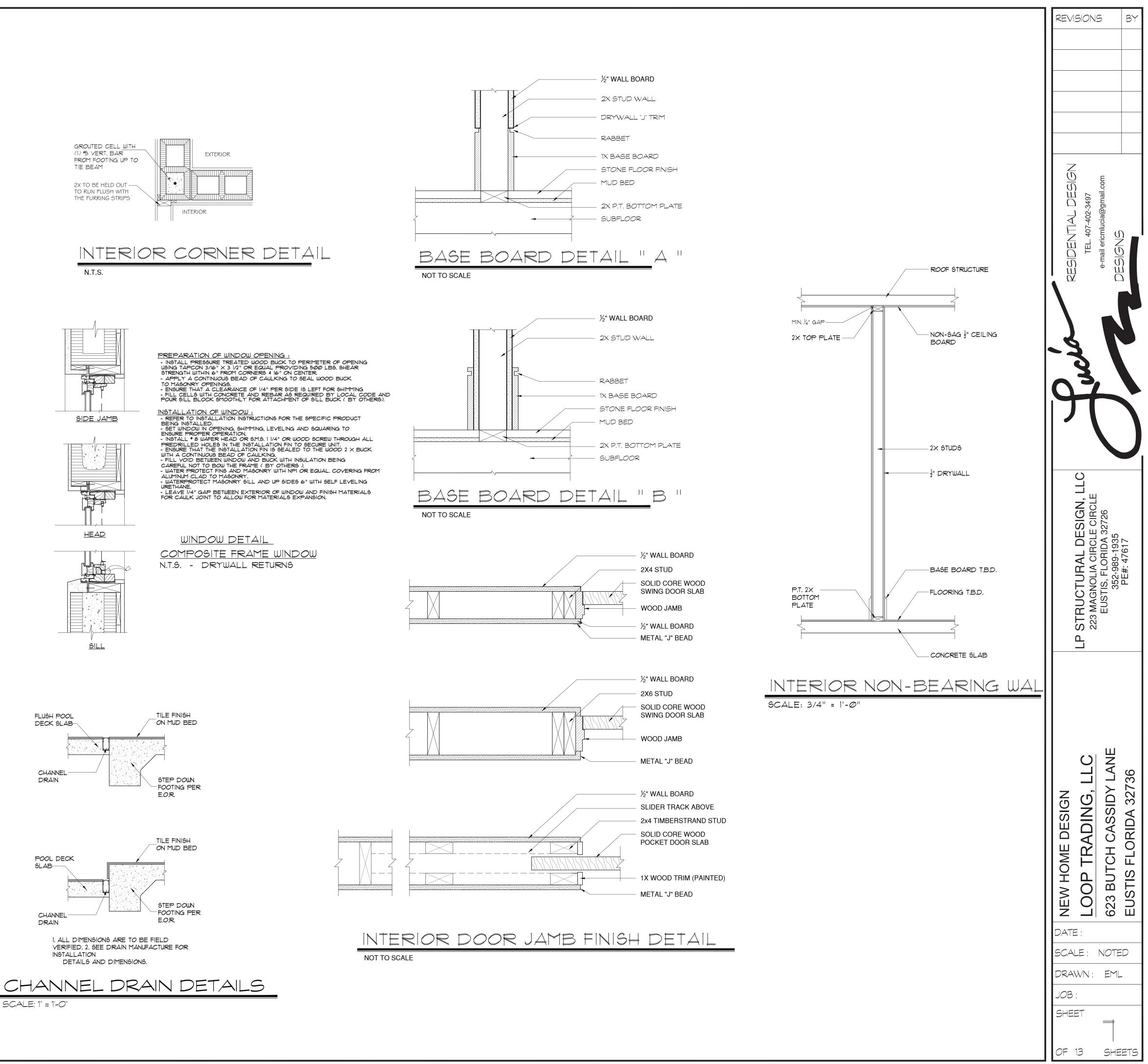






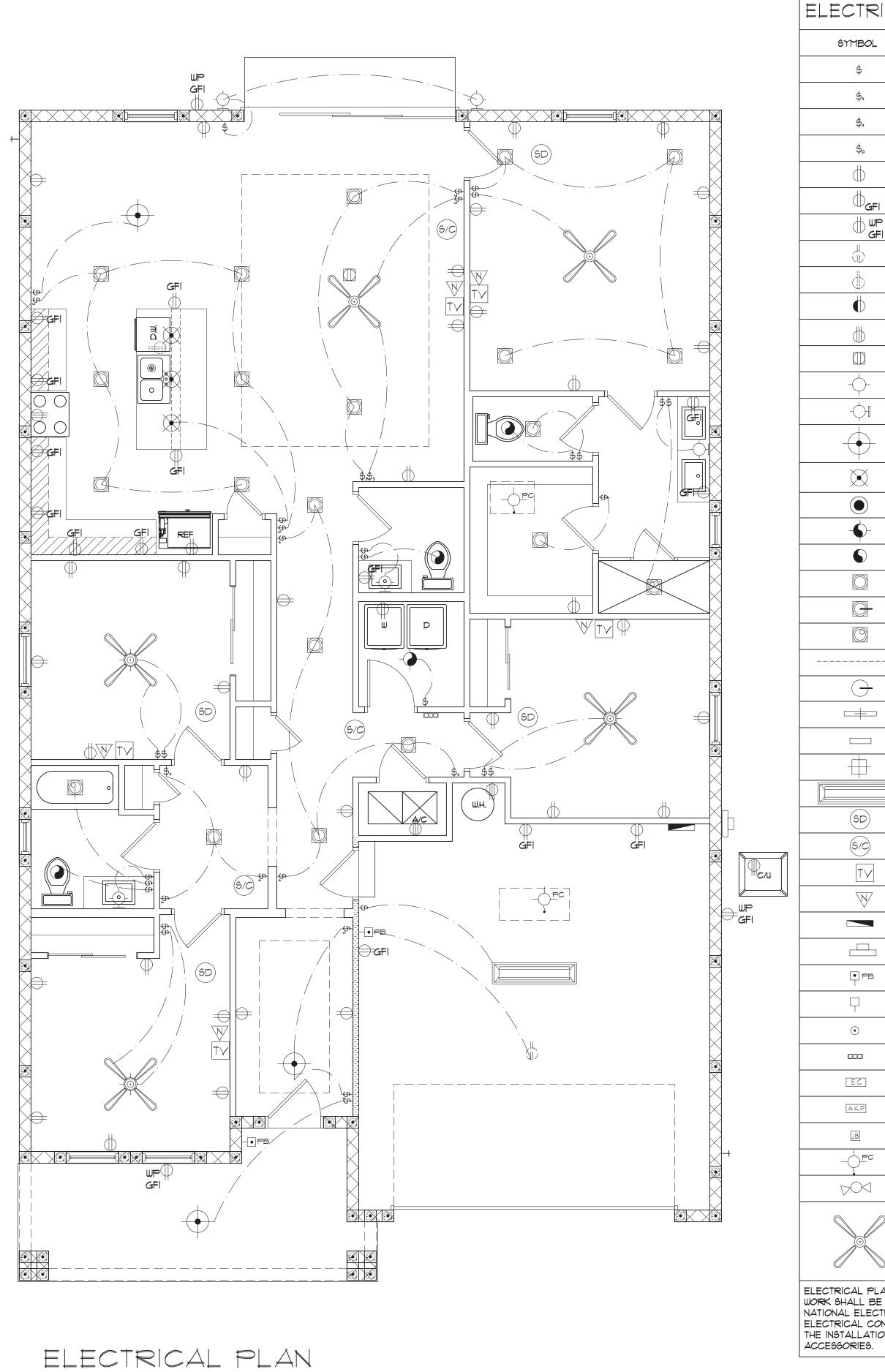


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ELECTRICAL NOTES

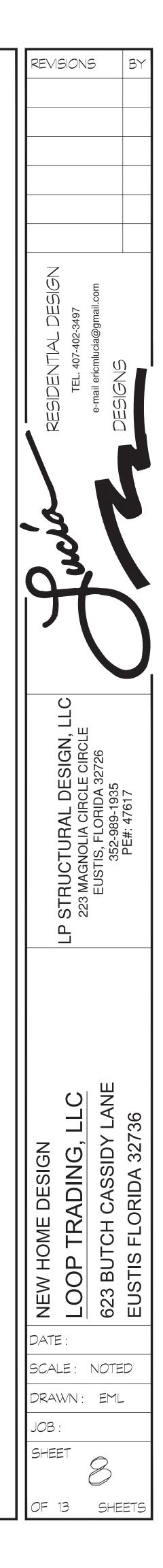
- I. UNLESS OTHERWISE SPECIFICALLY STATED HEREIN, THE ELECTRICAL PLAN(S) ARE ONLY FOR GENERAL DESIGN INTENT AND HAVE BEEN COMPILED TO MEET PERMIT REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION. ACTUAL QUANTITY, TYPE, AND PLACEMENT OF OUTLETS, SWITCHES, FIXTURES, AND ALL OTHER RELATED ELECTRICAL EQUIPMENT SHALL BE DETERMINED BY THE CONTRACTOR AND OWNER. INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES.
- 2. CONTRACTOR SHALL VERIFY WITH POWER COMPANY THE LOCATION OF SERVICE AND SHALL LOCATE METER AND PANEL AS REQUIRED.
- 3. ALL WIRES SHALL BE THW COPPER, UNLESS NOTED OTHERWISE.
- 4. WHERE REQUIRED BY OTHER CODES, SERVICE AND FEEDER CONDUCTORS SHALL BE COPPER OF EQUAL AMPACITY.
- 5. ALL BRANCH CIRCUITS IN RACEWAY OR NON-METALLIC SHEATHED CABLE.
- 6. COORDINATE RACEWAY INSTALLATIONS WITH OTHER TRADES PRIOR TO CONSTRUCTION.
- 1. VERIFY ALL CONDUCTORS AND BREAKERS WITH EQUIPMENT MANUFACTURERS SPECIFICATIONS.
- 8. PROVIDE DISCONNECT SWITCH SIZE AS REQUIRED BY LOAD AND UNITS.
- 9. PROVIDE NON-FUSIBLE GENERAL DUTY SAFETY SWITCHES AT A/C EQUIPMENT, AND AT PUMPS NOT VISIBLE FROM CIRCUIT BREAKER PANEL AND AS PER MANUFACTURER'S RECOMMENDATIONS.
- 10. PROVIDE GROUND FAULT INTERRUPT (GFI) BREAKERS FOR ALL BATHROOM, GARAGE AND EXTERIOR OUTLETS AS SHOWN.
- 11. ELECTRICAL FIXTURES, TRIM AND APPLIANCES SHALL BE 'UL' APPROVED AND SELECTED BY OWNER.
- 12. PROVIDE PRE-WIRED TELEPHONE AND TELEVISION (CABLE TV) OUTLETS.
- 13. WIRE KITCHEN AND FAMILY ROOM SEPARATELY.
- 14. ELECTRICAL SERVICE SIZE SHALL BE DESIGNED BY THE ELECTRICAL CONTRACTOR. THIS PLAN SHALL BE USED AS A GUIDE, POWER REQUIREMENTS SHALL BE DETERMINED BY TOTAL LOAD OF THE HOUSE.
- 15. PROVIDE AFCIS (ARC FAULT INTERRUPTERS) IN ALL DWELLING UNIT BEDROOMS PER NEC.
- 16. INSTALL SMOKE DETECTORS IN EACH SLEEPING ROOM. INSTALL COMBO. SMOKE & CO2 DETECTORS AT TOP AND BOTTOM OF STAIRS AND WITHIN 10'-0" OF SLEEPING ROOMS. ALL DETECTORS ARE TO BE INTERCONNECTED AND HAVE BATTERY BACKUPS.

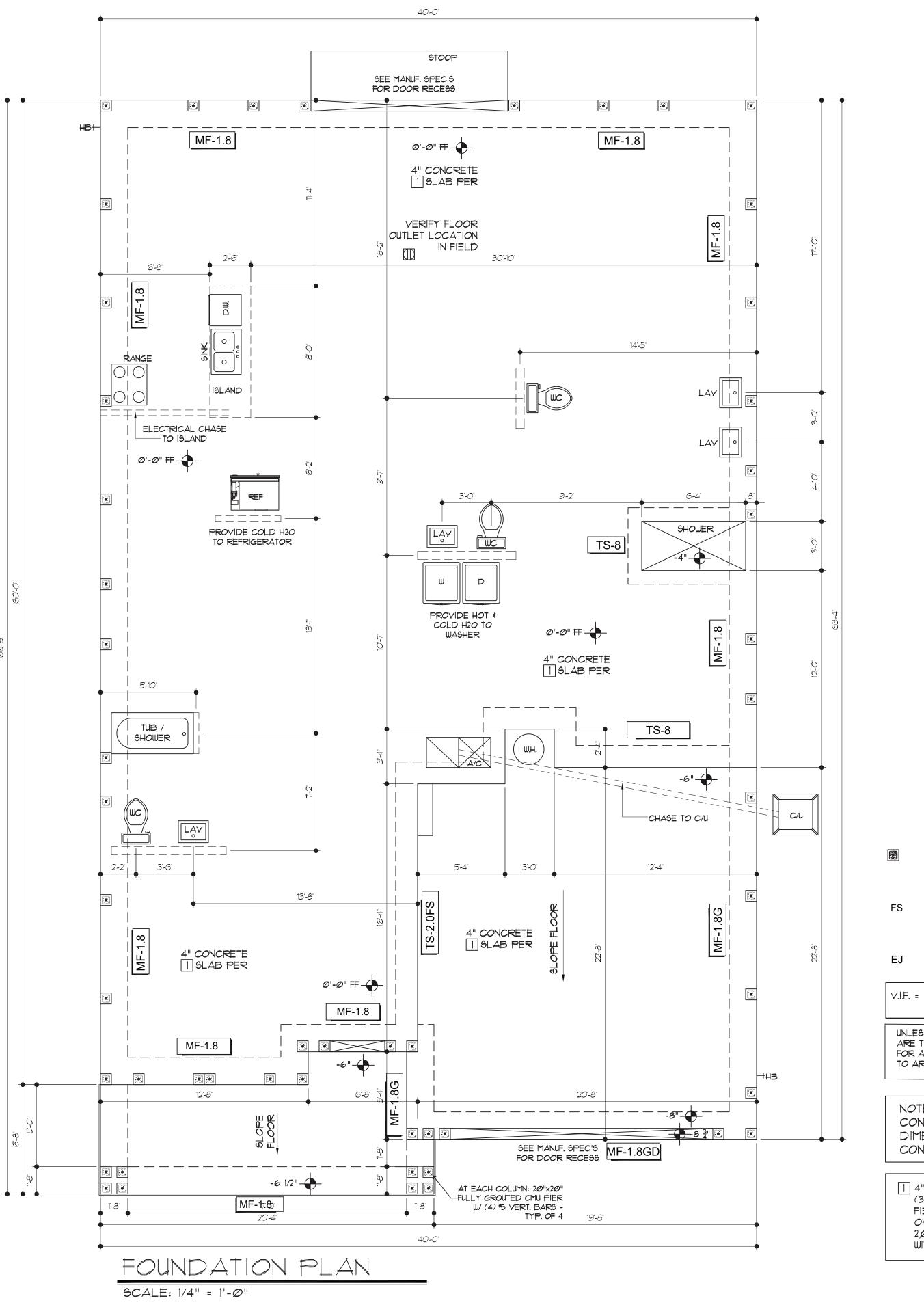


SCALE: 1/4" = 1'-Ø"

DESCRIPTION SWITCH FOUR WAY SWITCH POUR WAY SWITCH DIMMER SWITCH INOV OUTLET, GECI INOV OUTLET, UEATHER PROOF GECI INOV OUTLET, DELOW INOV OUTLET, OUTLET, SWITCHED 220/ OUTLET, SWITCHED 220/ OUTLET, OUTLET SURFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE FENDANT FIXTURE PENDANT FIXTURE NIGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT VERCETIONAL RECESSED LED LIGHT RECESSED LED LIGHT VERCESSED LED LIGHT RECESSED LED LIGHT VERCESSED LED LIGHT RECESSED LED LIGHT RECESSED RISER LIGHT RECESSED RISER LIGHT RECESSED RISER LIGHT RECESSED RISER LIGHT SCHARE PENDANT LIGHT FIXTURE RECESSED RISER LIGHT RECESSED RISER LIGHT RECESSED RISER LIGHT NETWORK JACK ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL METER	CAL	LEGEND
THREE WAY SWITCH FOUR WAY SWITCH DIMMER SWITCH INOV OUTLET INOV OUTLET, GEGI INOV OUTLET, UEATHER PROOF GEGI INOV OUTLET, UEATHER PROOF GEGI INOV OUTLET, BELOW INOV OUTLET, SWITCHED 220V OUTLET FLOOR OUTLET SURFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SOGIARE PENDANT LIGHT FIXTURE SOGIARE PENDANT LIGHT FIXTURE RECESSED LED LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT INTERCOR INTERLORK JACK ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM JUNCTION BOX <t< th=""><th></th><th>DESCRIPTION</th></t<>		DESCRIPTION
FOUR WAY SWITCH PINMER SWITCH INDY OUTLET INDY OUTLET, GECI INDY OUTLET, UEATHER PROOF GECI INDY OUTLET, UEATHER PROOF GECI INDY OUTLET, CELLING INDY OUTLET, CELLING INDY OUTLET, BELOW INDY OUTLET, BUTCHED 2207 OUTLET FLOOR OUTLET SURFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT PENDANT FIXTURE INGROUND UPLIGHT LIGHT FAN RECESSED LED LIGHT PENDANT FIXTURE BATH FAN RECESSED LED LIGHT RECESSED LED LIGHT RECESSED LED LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT SUARE DETECTOR COMBO SMOKE/CARBON MONOXIDE PETECTOR COMBO SMOKE/CARBON MONOXIDE PETECTOR COMBO SMOKE/CARBON MONOXIDE PETECTOR		SWITCH
DIMMER SWITCH IIØ× OUTLET IIØ× OUTLET, GECI IIØ× OUTLET, WEATHER PROOF GECI IIØ× OUTLET, CEILING IIØ× OUTLET, CEILING IIØ× OUTLET, SWITCHED 22Ø× OUTLET FLOOR OUTLET SWRFACE MOUNTED INCANDESCENT LIGHT WALL 9CONCE LARGE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED RIGER LIGHT		THREE WAY SWITCH
II&V OUTLET II&V OUTLET, GFCI II&V OUTLET, UEATHER PROOF GFCI II&V OUTLET, CEILING II&V OUTLET, CEILING II&V OUTLET, CEILING II&V OUTLET, DELOW II&V OUTLET, BUTCHED 220V OUTLET FLOOR OUTLET ØURFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE PENDANT FIXTURE II.GATIFAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE		FOUR WAY SWITCH
INAY OUTLET, GECI INAY OUTLET, WEATHER PROOF GECI INAY OUTLET, WEATHER PROOF GECI INAY OUTLET, BELOW INAY OUTLET, SWITCHED 220/ OUTLET FLOOR OUTLET SWEFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT VERCESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF ILED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETE		DIMMER SWITCH
II&V OUTLET, WEATHER PROOF GECI II&V OUTLET, CEILING II&V OUTLET, SWITCHED 22ØV OUTLET FLOOR OUTLET SWRFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SOUARE PENDANT LIGHT FIXTURE SOUARE PENDANT LIGHT FIXTURE RECESSED WALL MOUNTED OUTDOOR LIGHT 2' X 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR YOUTLET NETWORK JACK ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		110/ OUTLET
INPV OUTLET, CEILING INPV OUTLET, BELOW INPV OUTLET, SWITCHED 220V OUTLET FLOOR OUTLET SWEFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT VERDER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE DETECTOR COMEO SMCE/CARBON MONOXIDE DETECTOR COMEO SMCE/CARBON MONOXIDE DETECTOR SMOKE DETECTOR		110V OUTLET, GFC1
INDV OUTLET, BELOW INDV OUTLET, BUITCHED 220V OUTLET FLOOR OUTLET SURFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR <td></td> <td>1100 OUTLET, WEATHER PROOF GFCI</td>		1100 OUTLET, WEATHER PROOF GFCI
INPY OUTLET, SWITCHED 220/ OUTLET FLOOR OUTLET SURFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED WALL MOUNTED OUTDOOR LIGHT 2' X 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TY OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL METER PUSH BUITON INTERCOM GARBAGE DISPOGAL CHIMES LAPM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		110√ OUTLET, CEILING:
220v OUTLET FLOOR OUTLET SURFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT TOTOOR LIGHT 2' X 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR OMOKE JACK ELECTRICAL METER PUSH BUITON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		110V OUTLET, BELOW
FLOOR OUTLET SURFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - YAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR CHIES ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL METER PUSH BUITON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX </td <td></td> <td>110V OUTLET, SWITCHED</td>		110V OUTLET, SWITCHED
SURFACE MOUNTED INCANDESCENT LIGHT WALL SCONCE LARGE PENDANT FIXTURE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL METER PUSH BUITON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUITON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		220/ OUTLET
WALL SCONCE WALL SCONCE LARGE PENDANT FIXTURE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON		FLOOR OUTLET
LARGE PENDANT FIXTURE PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR NETWORK JACK ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		SURFACE MOUNTED INCANDESCENT LIGHT
PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF ILED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE DETECTOR RECESSED WALL MOUNTED OUTDOOR LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR LED RUORK JACK ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN		WALL SCONCE
PENDANT FIXTURE INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED RISER LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT 2' X 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL METER PUSH BUTTON INTERCOM INTERCOM GARBAGE DISPOSAL CHIMES ELECTRICAL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		LARGE PENDANT FIXTURE
INGROUND UPLIGHT LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED WALL MOUNTED OUTDOOR LIGHT ?' X 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR NETWORK JACK ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL METER PUSH BUITON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		
LIGHT/FAN COMBO UNIT BATH FAN RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED WALL MOUNTED OUTDOOR LIGHT ? 2' X 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN		PENDANT FIXTURE
BATH FAN RECEBSED LED LIGHT DIRECTIONAL RECEBSED LED LIGHT RECEBSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECEBSED RISER LIGHT RECEBSED WALL MOUNTED OUTDOOR LIGHT 2' X 4' LED LIGHT SMOKE DETECTOR COMED SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		INGROUND UPLIGHT
RECESSED LED LIGHT DIRECTIONAL RECESSED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED WALL MOUNTED OUTDOOR LIGHT 2' X 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON NITERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		LIGHT/FAN COMBO UNIT
DIRECTIONAL RECEISED LED LIGHT RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED RISER LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT 1 2' X 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		BATH FAN
RECESSED LED LIGHT - VAPOR PROOF LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED RISER LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT 1 2' X 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		RECESSED LED LIGHT
LED BACKLIGHTING HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED RISER LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT 1 2' × 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		DIRECTIONAL RECESSED LED LIGHT
HEADER LIGHT FIXTURE SQUARE PENDANT LIGHT FIXTURE RECESSED RISER LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT 1 2' × 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		RECESSED LED LIGHT - VAPOR PROOF
SQUARE PENDANT LIGHT FIXTURE RECESSED RISER LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT 2' × 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		LED BACKLIGHTING
RECESSED RISER LIGHT RECESSED WALL MOUNTED OUTDOOR LIGHT 2' × 4' LED LIGHT 9MOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		HEADER LIGHT FIXTURE
RECEISSED WALL MOUNTED OUTDOOR LIGHT 2' × 4' LED LIGHT SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		SQUARE PENDANT LIGHT FIXTURE
2' × 4' LED LIGHT 9MOKE DETECTOR COMBO 9MOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PU9H BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		RECESSED RISER LIGHT
SMOKE DETECTOR COMBO SMOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		RECESSED WALL MOUNTED OUTDOOR LIGHT
COMBO \$MOKE/CARBON MONOXIDE DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		$2' \times 4'$ LED LIGHT
DETECTOR TV OUTLET NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		SMOKE DETECTOR
NETWORK JACK ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		
ELECTRICAL PANEL ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		TY OUTLET
ELECTRICAL METER PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		NETWORK JACK
PUSH BUTTON INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		ELECTRICAL PANEL
INTERCOM GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		ELECTRICAL METER
GARBAGE DISPOSAL CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		PUSH BUTTON
CHIMES ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		INTERCOM
ELEVATOR CALL BUTTON ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		GARBAGE DISPOSAL
ALARM KEY PAD JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		CHIMES
JUNCTION BOX LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		ELEVATOR CALL BUTTON
LAMP HOLDER - PULL CHAIN FLOOD LIGHTS		ALARM KEY PAD
FLOOD LIGHTS		JUNCTION BOX
		LAMP HOLDER - PULL CHAIN
CEILING FAN		CEILING FAN

ELECTRICAL PLAN IS INTENDED FOR BID PURPOSES ONLY. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, LATEST EDITION, BY A LICENSED ELECTRICAL CONTRACTOR WHO SHALL BE RESPONSIBLE FOR THE INSTALLATION & SIZING OF ALL ELECTRICAL, WIRING &

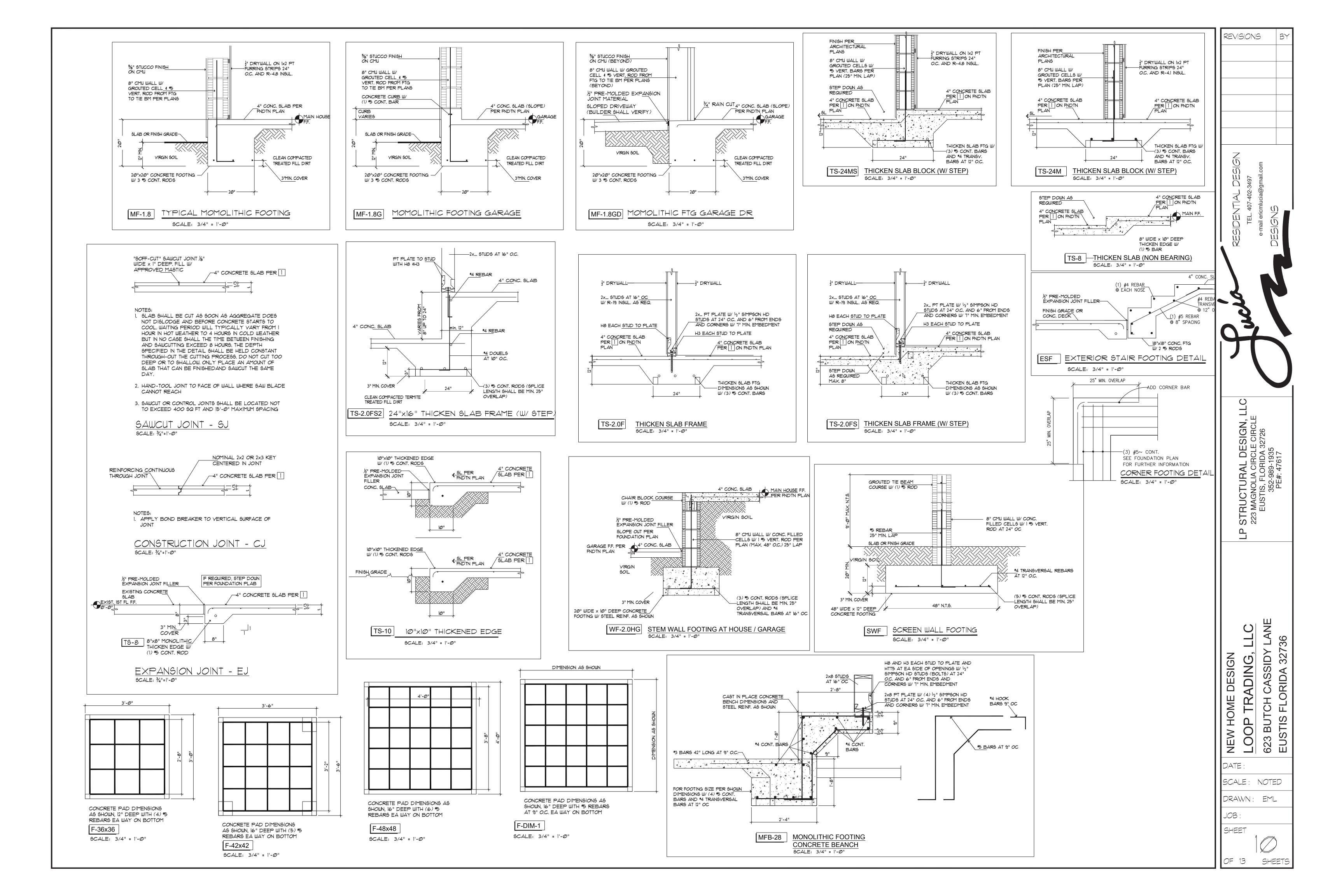




	8"x8" SOLID GROUTED CELL (3,000 PSI) WITH (1) #5 VERTICAL REBAR FROM FOOTING UP TO TIE BEAM
FS	FILL SOLID GROUTED CELLS UNLESS OTHERWISE NOTED, STEEL REINFORCING NOT REQUIRED
EJ	1/2" PRE-MOLDED EXPANSION JOINT FILLER
	Y IN FIELD BY BUILDER INFORM ENGINEER
ARE TO OUT	ERWISE NOTED, DIMENSIONS SIDE OF SLAB ONAL DIMENSIONING REFER CTURAL SET OF PLANS
	CTOR SHALL VERIFY ALL ONS PRIOR TO ANY ICTION
(3,000 FIBERM OVER (2,000 f	CRETE SLAB ON GRADE PSI) REINF. W/ 6x6 10/10 WWM OR ESH ON 6 MIL. VAPOR BARRIER CLEAN, WELL COMPACTED (MIN. PSF) AND TERMITE TREATED SOIL DISON CONTROL SYSTEM



SAWCUT OR CONTROL JOINTS SHALL BE LOCATED NOT TO EXCEED 400 SQ FT AND 15'-0" MAXIMUM SPACING



CAST-CRETE			G	RAV	ITY				
		8F8-ØB			111 BF2Ø-ØE	8F24-0P	8F28-0P	8F32-ØB	
LENGTH	848	8F8-1B	8F12-1B	8F16-1B		8F24-1B			L
		3166	4473	6039	7526	9004	10472	11936	
2'-10"(34") PRECAST	23Ø2	3166	4473	6039	7526	9004	10472	11936	2'
		3138	3377	4689	6001	7315	8630	9947	
3'-6" (42") PRECAST	23Ø2	3166	4473	6039	7526	9004	10472	11936	3
4'-0"(48")PRECAST	0.000	2325	2496	3467	4438	5410	6384	7358	4
4 -0°(48°) PRECAST	2029	2646	4473	6039	7526	9004	10472	11936	4
4'-6" (54") PRECAST	14 51	רפרו	1913	2657	34Ø3	4149	4896	5644	4
	1651	217Ø	4027	6039	7526	3004	10472	9668	
5'-4" (64") PRECAST	1101	1223	13Ø1	1809	2317	2826	3336	3846	5
9-4 (64 /FRECAST	1184	1665	2889	5057	6096	5400	6424	7450	Ľ
5'-10"(10")PRECAST	972	1000	1059	1474	1889	23Ø4	2721	3137	5
	J 12	1459	2464	4144	5458	4437	5280	6122	Ľ
6'-6"(18") PRECAST	937	1255	21Ø1	3263	2746	3358	3971	4585	6
		1255	2101	3396	5260	7134	8995	6890	Ľ
1'-6" (90") PRECAST	767	1029	1675	2385	1994	2439	2886	3333	יד
		1029	1675	2610	3839	5596	6613	5047	Ľ
9'-4" (112") PRECAST	573	632	1049	1469	1210	1482	1754	2027	9
		768	1212	1818	2544	3469	4030	3127	
10'-6"(126") PRECAST	456	482	802	1125	915	1122	1328	1535	10
		658	1025	1514	2081	2774	3130	24Ø4	
11'-4" (136") PRECAST	445	598	935	1365	1854	2355	1793	2075	111
		598	935	1365	1854	2441	3155	4044	
12'-0"(144") PRECAST	414	545	864	1254	1689	2074	1570	1818	12
		555	864	1254	1693	2211	2832	3590	
13'-4"(160")PRECAST	362	427	726	1028	1331	1635	1224	1418	13
		485	748	1076 919	1438 1190	1855 1462	2343	2920	
14'-0"(168") PRECAST	338	381 455	648 700	1003	1335	1462	1087 2153	1260	14
		499 NR	NR	NR	NR	NR	NR	2666 NR	\vdash
4'-8" (176") PRESTRESSEI	Þ N.R.	465	765	1370	2045	2610	3185	3765	14
		NR	NR	NR	NR NR	NR	NR	NR	\vdash
5'-4" (184") PRESTRESSEI	P N.R.	420	695	1250	1855	2370	2890	3410	15
		NR	NR	NR	NR	NR	NR	NR	
1'-4" (208")PRESTRESSEI	PN.R.	310	530	950	1400	1800	2200	2600	ידו
		NR	NR	NR	NR	NR	NR	NR	
9'-4" (232") PRESTRESSEI	P N.R.	240	400	750	1030	1400	1720	2030	19
		NR	NR	NR	NR	NR	NR	NR	
21'-4" (256")PRESTRESSEI	P N.R.	183	33Ø	610	940	1340	1780	211Ø	21
		NR	NR	NR	NR	NR	NR	NR	
22'-Ø"(264")PRESTRESSEI	P N.R.	160	300	570	870	1250	1660	1970	22
		NR	NR	NR	NR	NR	NR	NR	24
24'-Ø"(288")PRESTRESSEI	PN.R.	130	240	470	72Ø	1030	1350	1610	122

8" PRECAST & PRESTRESSED U-LINTELS	Cast-Crete
TYPE 8F8-1T 8F12-1T 8F16-1T 8F20-1T 8F24-1T 8F23-1T 8F32-1T LENGTH 8F8-2T 8F12-2T 8F16-2T 8F20-2T 8F24-2T 8F32-2T 8U8 8F8	
2'-10"(34") PRECAST 2727 2878 4101 5332 6569 7811 9055 2'-10"(34") PRECAST 2727 2784 3981 5190 6407 7630 8857 2021 2021 2165 2289 3260 4237 5219 6204 7192 107.7	$C \land \Gamma \land A \land T \land D \land \Gamma C$
3'-6" (42") PRECAST 2165 2215 3165 4125 5091 6061 7036 1251 1251 4'-0" (48") PRECAST 1878 1989 2832 3680 4532 5387 6245 938 938	SAFE LOAD TABLES
4'-6"(54") PRECAST 1660 1762 2507 3257 4010 4767 5525 1660 1705 2435 3171 3913 4658 5406 727 727 727	FOR GRAVITY, UPLIFT & LATERAL LOADS
5'-4" (64") PRECAST 1393* 1484 2110 2741 3375 4010 4648 505 505	8" PRECAST W/ 2" RECESS DOOR U-LINTELS 8" PRECAST W/ 2" RECESS DOOR U-LINTELS
5'-10''(10") PRECAST 1212 1315 1815 2441 3010 3583 4151 418 418 6'-6"(18") PRECAST 1141* 1200 1133 2250 2769 3290 3812 101 881	CAST-CACTE GRAVITY GRAVITY LATERAL
Image: 10 - 6 (18) / 1120 A01 II41 II82 I684 2192 2703 3216 3732 Image: 10 - 1 88 - 1 1'-6"(90")PRECAST 959* 912 1475 1914 2354 2797 3240 591 657	TYPE 8RF6-08 8RF10-08 8RF12-08 8RF22-08 8RF22-08 F22-08 8RF22-08 LENGTH TYPE 8RF6-11 8RF10-11 8RF10-11 8RF10-11 8RF10-11 8RF10-11 8RF10-11 8RF10-11 8RF10-11 8RF22-11 8RF20-11 8RF30-11 8RF30-11 LENGTH TYPE 8RF10-11 8RF10-18 8RF10-18 8RF10-18 8RF20-18 8RF30-18 1
9'-4" (112") PRECAST 801* 612 980 1269 1560 1852 2144 801 755 1192 1550 1910 2271 2634 454 630 101 (112") PRECAST 716* 498 793 1027 1261 1496 1731 221 (202)	4'-4" (52") PRECAST 1489 1591 3Ø53 2982 3954 4929 59Ø4 688Ø 4'-4" (52") PRECAST 1244 1573 2413 326Ø 4112 4967 5825 932 932 1827 3412 4982 6472 7947 9416 1Ø878 10878 1244 1519 2339 317Ø 4ØØ8 485Ø 5696 932 932
$\frac{10^{\circ}-6^{\circ}(126^{\circ})}{11^{\circ}-6^{\circ}(126^{\circ})} \xrightarrow{\text{PRECAST}} \frac{110^{\circ}}{116} \xrightarrow{433} \xrightarrow{133} \xrightarrow{1021} \xrightarrow{1281} \xrightarrow{1436} \xrightarrow{1131} 396 493$ $\frac{10^{\circ}-6^{\circ}(126^{\circ})}{116} \xrightarrow{116} \xrightarrow{666^{\circ}} \xrightarrow{433} \xrightarrow{636} \xrightarrow{833} \xrightarrow{1104} \xrightarrow{1309} \xrightarrow{1515} 363 556$ $\frac{11^{\circ}-4^{\circ}}{666} \xrightarrow{535} \xrightarrow{905} \xrightarrow{1295} \xrightarrow{1595} \xrightarrow{1896} \xrightarrow{2198} 363 556$	4'-6" (54") PRECAST 1449 2782 2714 3600 4481 5375 6264 1002 3412 4982 6472 7941 9416 10878 832 1602 1550 2058 2566 3075 3585
12'-0"(144") PRECAST 607* 400 631 816 1001 1186 1372 631 486 818 1209 1514 1799 2086 340 494	5'-8" (68") PRECAST 785 1153 2162 4074 6472 6516 5814 6839 179 1500 1449 1924 2400 2876 3352
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	5'-10"(10") PRECAST 135 1103 2051 3811 6472 6516 5450 6411 907 1677 2933 2576 3223 3872 4522
14'-9'(100') The second seco	301 301 1611 2933 4100 6130 8171 6101 7'-6" (90")PRECAST 665 161 1317 2252 1958 2451 2944 3439 7'-6" (90")PRECAST 665 161 1317 2252 1958 2451 2944 3439 1'-6" 688 691 1325 1810 2280 2153 3221 10 941
15'-4"(184") PRESTRESSED 228 278 430 553 671 801 925 N.R. 327 15'-4"(184") PRESTRESSED 228 329 542 791 1072 1381 1676 N.R. 327 188 236 361 464 567 670 174 118 1675	9'-8" (116") PRECAST 311 420 834 1253 1071 1342 1614 1886 9'-8" (116") PRECAST 331 420 834 1253 1071 1342 1614 1886
17'-4" (208") PRESTRESSED 188 276 449 649 874 1121 1389 N.R. 255	533 521 1009 1369 1728 2088 2450 *REDUCE VALUE BY 15% FOR GRADE 40 FIELD REBAR
165 233 383 550 136 340 1160 21'-4" (256")PRESTRESSED 145 186 278 356 433 512 590 N.R. 172 SPE 142 212 336 471 635 801 993 N.R. 172 SPE	ECIFIED COMPOSITE LINTEL DEPTH IS E MINIMUM ACCEPTABLE. ANY EXTRA
22'-0"(264")PRESTRESSED 127 165 244 312 380 441 515 N.R. 161 ACC	PURSES OF BLOCK ABOVE LINTEL ARE
24'-0'(288") PRESTRESSED 124 186 290 408 538 680 833 N.R. 135 •REDUCE VALUE BY 25% FOR GRADE 40 FIELD REBAR	
SINFERING BODE	
	• •
lintels as required.	
anufactured with 5-1/2" long notches at the ends to accommodate	*5 REBAR AT TOP 8F32-1B/1T 8F32-1B/1T
anufactured with 5-1/2" long notches at the ends to accommodate reinforcing and grouting. et or exceed L/360 vertical deflection, except lintels 17'-4" and	
anufactured with 5-1/2" long notches at the ends to accommodate reinforcing and grouting. et or exceed L/360 vertical deflection, except lintels 17'-4" and 1 nominal height of 8" meet or exceed L/180. I added rebar to be located at the bottom of the lintel cavity. er wire stirrups are welded to the bottom steel for mechanical anchorage.	MIN. (1) REQ'D I-1/2" CLEAR C.M.U. POWER STEEL BOX AND WIRE LINTELS
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P<u>RE-CAST LINTEL ENG</u>

PER CAST-CRETE

MATERIALS

- 1. f'c precast lintels = 3500 psi.
- 2. f'c prestressed lintels = 6000 psi.
- f'c grout = 3000 psi w/ maximum 3/8" aggregate.
 Concrete masonry units (CMU) per ASTM C90 w/ minimum net area compressive strength = 1900 psi.
- 5. Rebar provided in precast lintel per ASTM A615 GR60. Field rebar per ASTM A615 GR40 or GR60.
- 6. Prestressing strand per ASTM A416 grade
 270 low relaxation.
 7. 7/32 wire per ASTM A510.
 8. Mortar per ASTM C270 type M or S.

SAFE LOAD TABLE NOTES

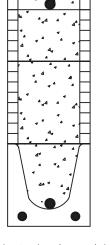
- GENERAL
- 1. Províde full mor
- 2. Shore filled linte
- 3. Installation of li
- 4. Lintels are manuf vertical cell reir
- 5. All lintels meet longer with a nor
- 6. Bottom field add 7. 7/32" diameter wi
- 8. Cast-in-place c
- 9. Safe load rating

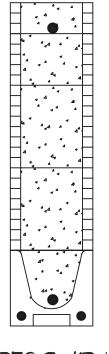
All values based on minimum 4" bearing. Exception: Safe loads for unfilled lintels must be reduced by 20% if bearing length is less than 6-1/2". Safe loads for all recessed lintels based on 8" nominal bearing. N.R. = Not Rated.

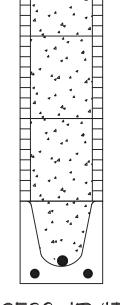
- 3. Safe loads are total superimposed allowable load on the section specified. 4. Safe loads based on grade 40 or grade 60 field rebar.
- 5. Additional lateral load capacity can be obtained by the designer by providing
- addional reinforced masonry above the precast lintel.

- 6. One #1 rebar may be substituted for two #5 rebars in 8" lintels only.
 7. The designer may evaluate concentrated loads from the safe load tables by calculating the maximum resisting moment and shear at d-away from the face of sup 8. For composite lintel heights not shown, use safe load from next lower height.
 9. All safe loads in units of pounds per linear foot.

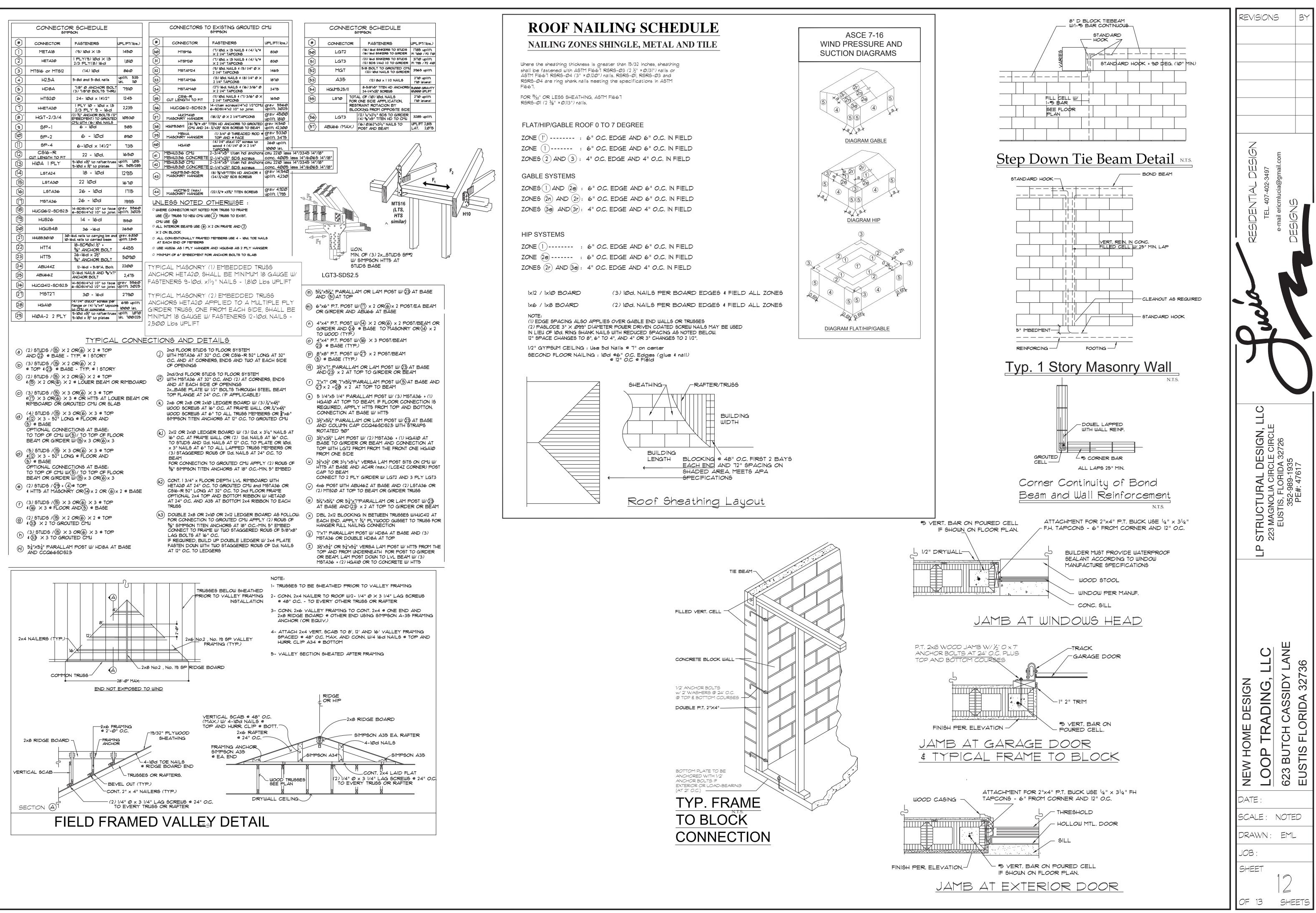


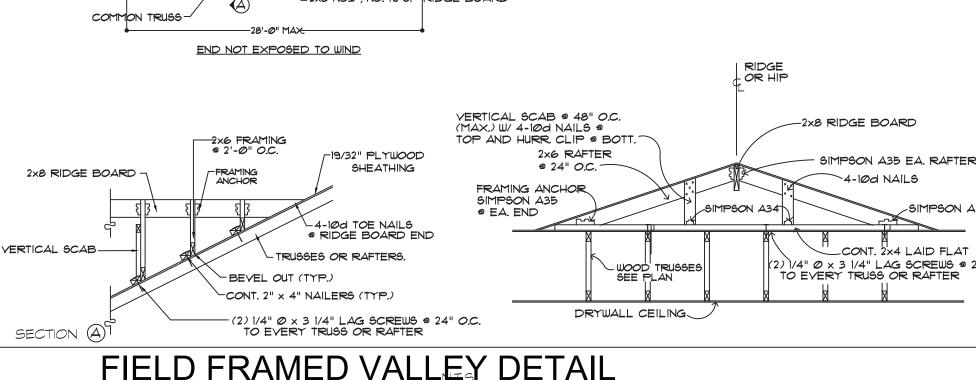


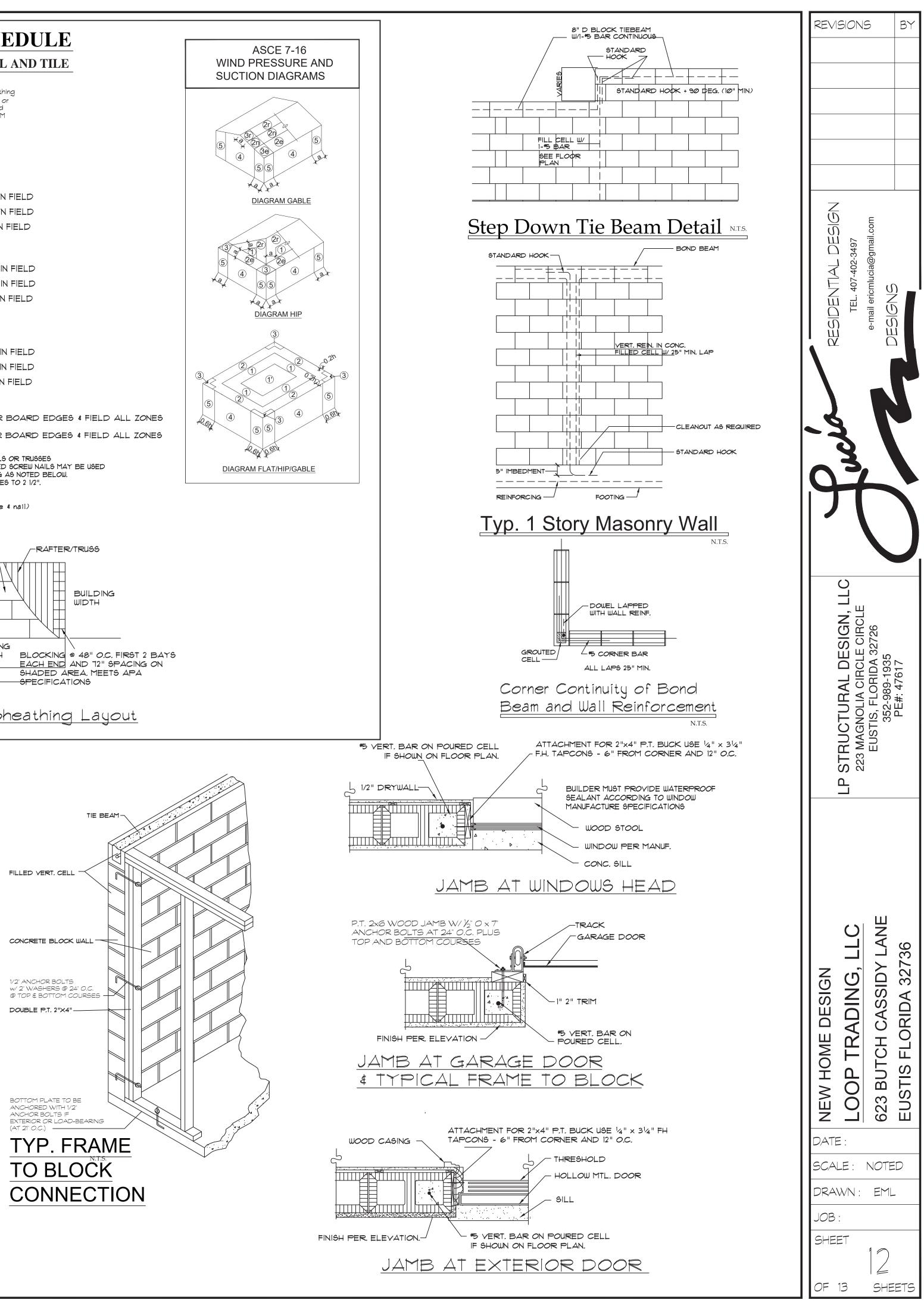




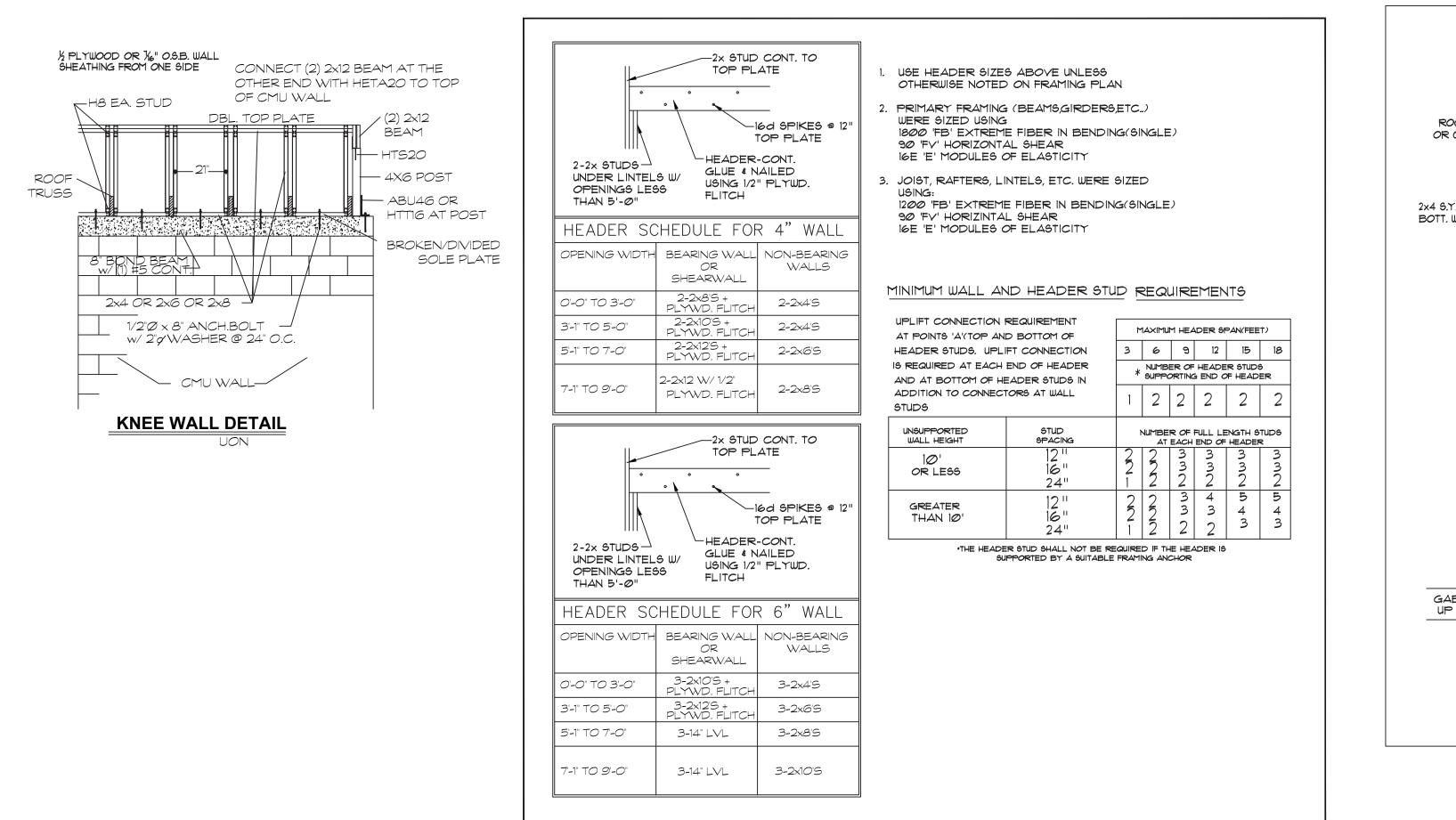


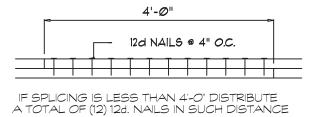




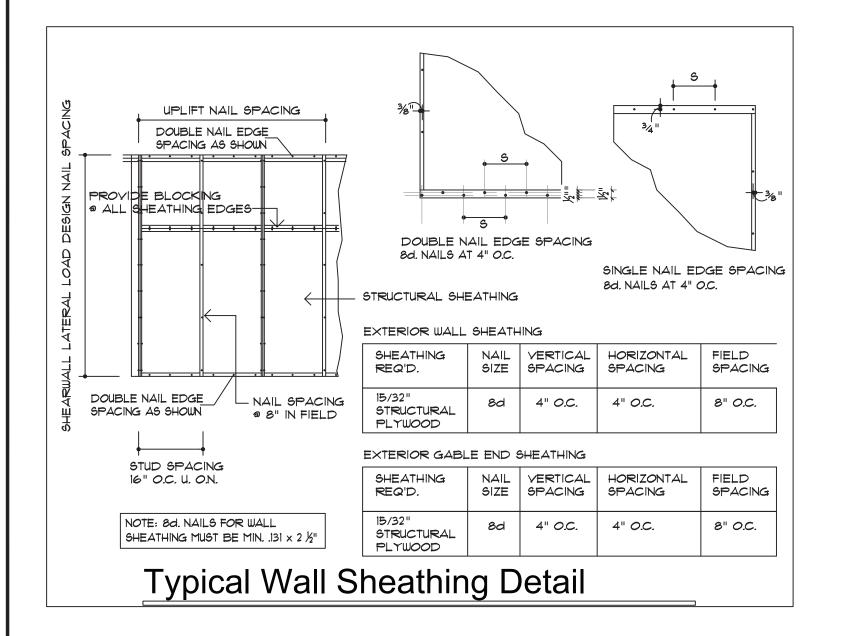


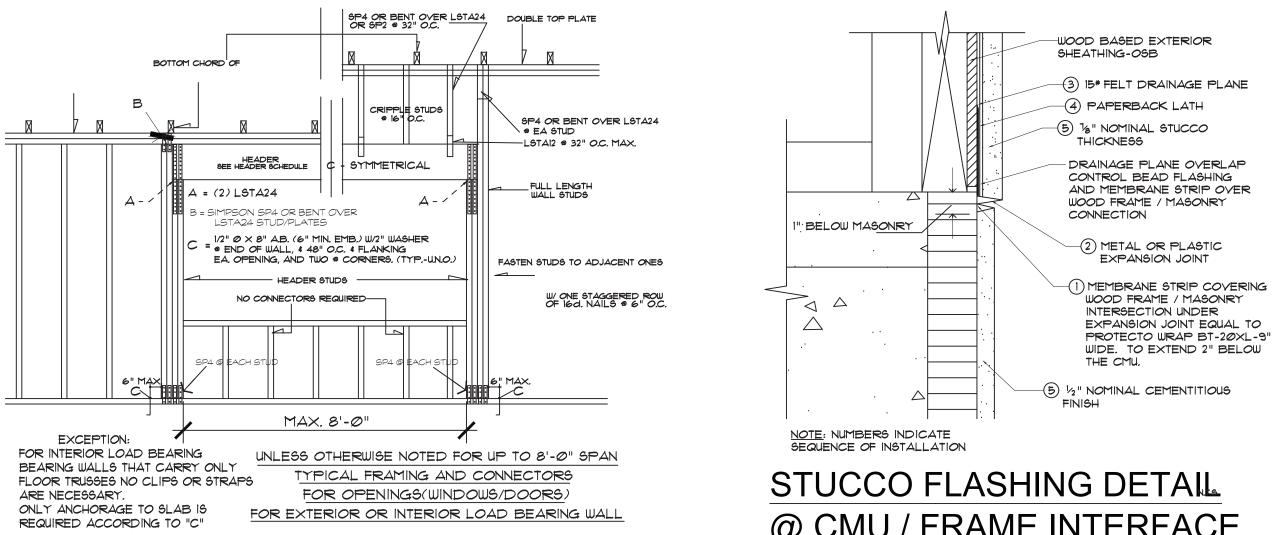
LIMITING HEIGHTS OF 2" STUDS FOR HIGH FRAMING CONDITIONS, THE APPLICATION OR CONNECTION OF AN INTERMEDIATE FRAMING SUCH AS FLOOR JOISTS, CEILING JOISTS, ETC., ALLOW TO REDUCE THE ALLOWABLE HEIGHT FOR STUDS	
2"x4" SPRUCE, FIR 24" O.C.	8'-0"
2"x4" SPRUCE, FIR 16" O.C.	9'-0"
2"x4" SPRUCE, FIR 12" O.C.	10'-0"
2"x4" SOUTHERN PINE, FIR 24" O.C.	9'-0"
2"x4" SOUTHERN PINE, FIR 16" O.C.	10'-9"
2"x4" SOUTHERN PINE, FIR 12" O.C.	12'-4"
2"x6" SPRUCE, FIR 24" O.C.	11'-4."
2"x6" SPRUCE, FIR 16" O.C.	13'-9"
2"x6" SPRUCE, FIR 12" O.C.	16'-0"
2"x6" SOUTHERN PINE, FIR 24" O.C.	13'-9"
2"x6" SOUTHERN PINE, FIR 16" O.C.	17'-0"
2"x6" SOUTHERN PINE, FIR 12" O.C.	19'-4"
2"x8" SPRUCE, FIR 24" O.C.	14'-9"
2"x8" SPRUCE, FIR 16" O.C.	18'-0"
2"x8" SPRUCE, FIR 12" O.C.	21'-0"
2"x8" SOUTHERN PINE, FIR 24" O.C.	18'-0"
2"x8" SOUTHERN PINE, FIR 16" O.C.	22'-3"
2"x8" SOUTHERN PINE, FIR 12" O.C.	25'-8"





Top Plate Splice Detail





@ CMU / FRAME INTERFACE

