



# RIDGE SURVEYING, INC.

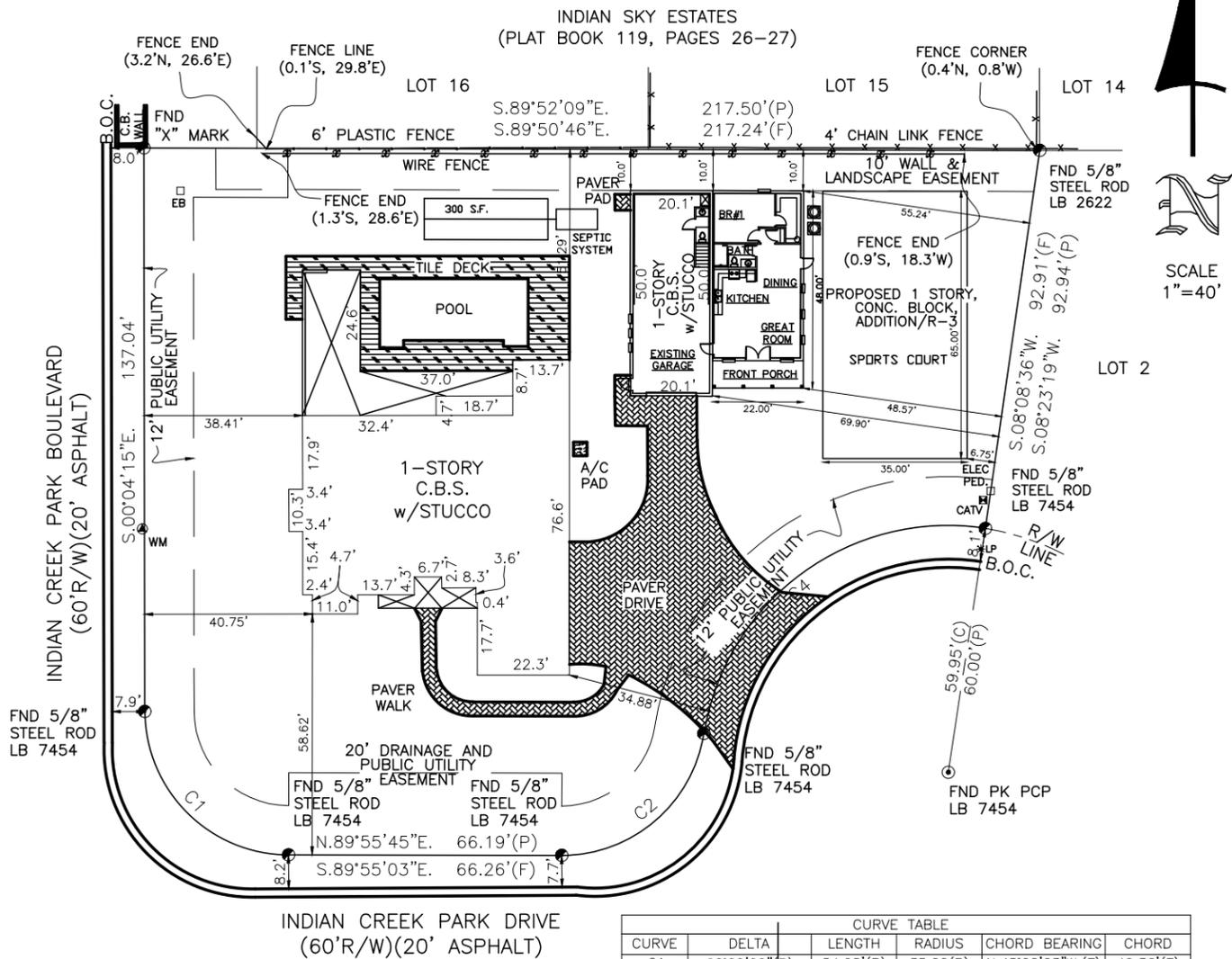
6511 LONGOAK COURT, LAKELAND, FLORIDA 33811  
 P.O. BOX 7822, LAKELAND, FLORIDA 33807-78222

PHONE: (863) 686-5405  
 FAX: (863) 578-4017  
 E-MAIL: ridgesurveying@aol.com

SURVEY FOR: HULBERT HOMES INC.  
 REQUESTED BY: Ashley Espada

JOB NO. 18-153  
 DATE: 12/03/18

## BOUNDARY SURVEY



CURVE TABLE					
CURVE	DELTA	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	90°00'00"(P)	54.98'(P)	35.00(P)	N.45°00'23"W.(F)	49.36'(F)
C2	80°54'50"(P)	49.43'(P)	35.00(P)	N.49°19'03"E.(F)	45.43'(F)
C4	89°22'29"(P)	93.59'(P)	60.00(P)	N.53°51'50"E.(F)	84.55'(F)

### SURVEYORS NOTES:

1. North and Survey data as shown is referenced to the direction of S.00°04'15"E., along the East right-of-way line of Indian Creek Park Boulevard according to the recorded Plat
2. Only above ground improvements were located.

LEGEND: (P)= Plat, (F)= Field, (C)= Calculated, FND= Found, R/W= Right-of-Way, B.O.C.= Back of Curb, C.B.= Concrete Block, w/=With, EB= Electric Box, WM= Water Meter, C.B.S.= Concrete Block Structure, A/C= Air Conditioner, PCP= Permanent Control Point

CERTIFIED TO: Anthony Vincent Ginevra, HULBERT HOMES, INC., MIDFLORIDA CREDIT UNION, CLARK, CAMPBELL, LANCASTER & MUNSON, P.A., and, OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY

REVISED: 01/23/19 To add additional improvements, New Field Date is 01/16/19.  
 REVISED: 09/ 22 /19 To add additional improvements, New Field Date is 09/ 14 /19.

DESCRIPTION LOT 1  
INDIAN CREEK PARK  
POLK COUNTY, FLORIDA. SECTION 20 TOWNSHIP 29 S., RANGE 24 E.  
 RECORDED PLAT BOOK 153 PAGE(S) 40-42 ENCROACHMENTS AS SHOWN  
 FIELD DATE 11/20/18 FIELD BOOK 174 PAGE(S) 62-65

The undersigned as a representative of RIDGE SURVEYING, INC., LB 7159 hereby certifies that this BOUNDARY SURVEY meets or exceeds the Standards of Practice in Surveying and Mapping as set forth by Chapter 5J-17, Florida Administrative Code, pursuant to Section 472.027 Florida Statutes.

F.P. AMMERMAN, P.L.S.

F. Ammermann  
 CREW CHIEF

REGISTERED SURVEYOR NO.4220 STATE OF FLORIDA

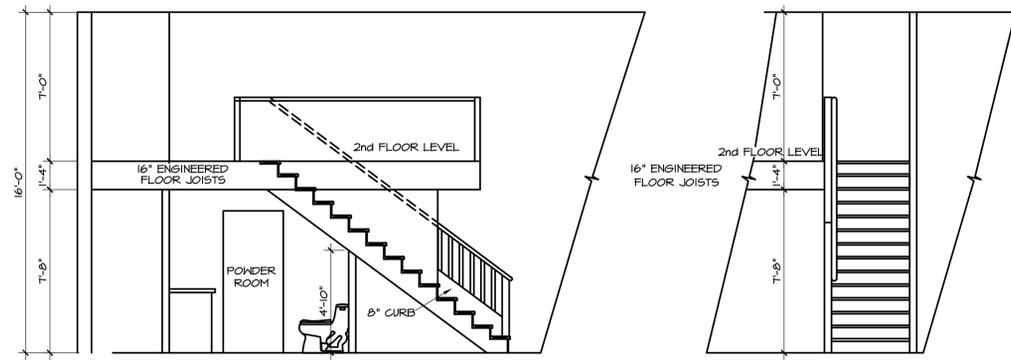
NOT VALID WITHOUT  
 THE SIGNATURE AND  
 ORIGINAL RAISED  
 SEAL OF A FLORIDA  
 LICENSED SURVEYOR  
 AND MAPPER

ENGINEER OF RECORD:

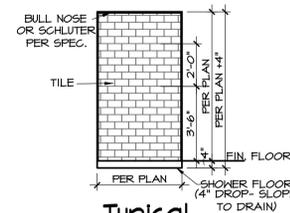
**ARKAY ENGINEERING INC.**  
 STRUCTURAL ENGINEERS

1950 E. EDGEWOOD DRIVE LAKELAND, FLORIDA 33809  
 PHONE: 863-688-6500 FAX: 863-688-6551  
 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION # EB6347  
 RICHARD L. KIDDEY, P.E. - FLORIDA LICENSE # 31246

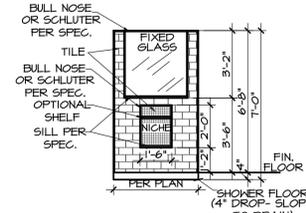
ARKAY JOB #21513



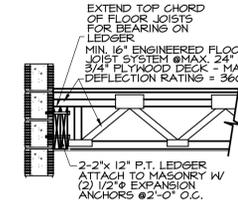
**Stair Detail**  
1/4" = 1'-0"



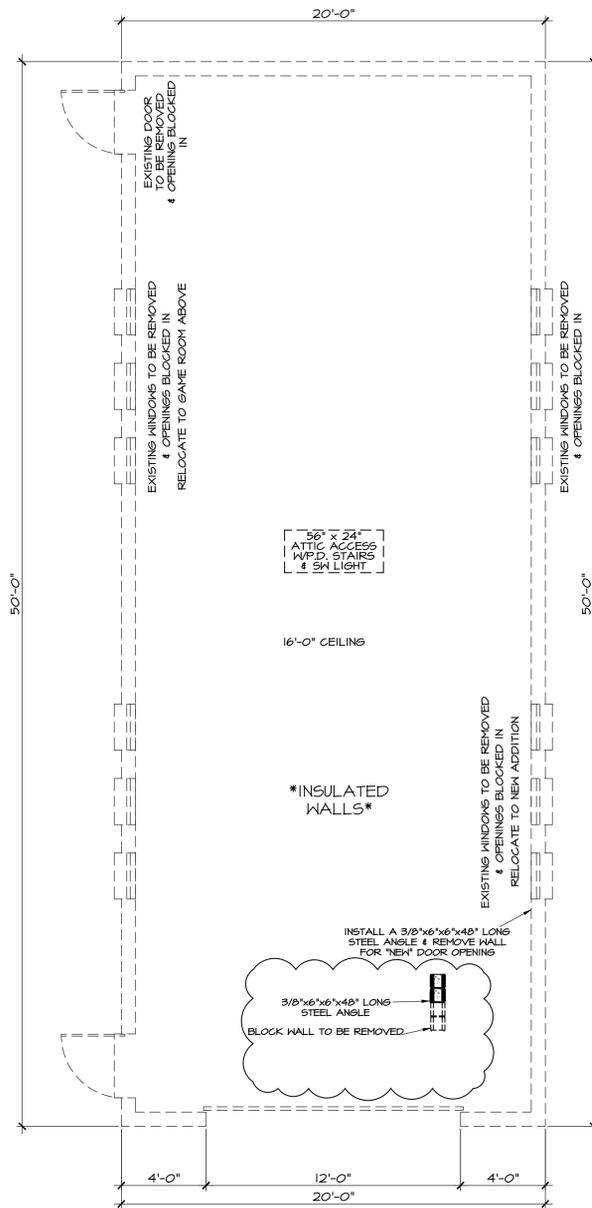
**Typical Shower Wall**  
1/4" = 1'-0"



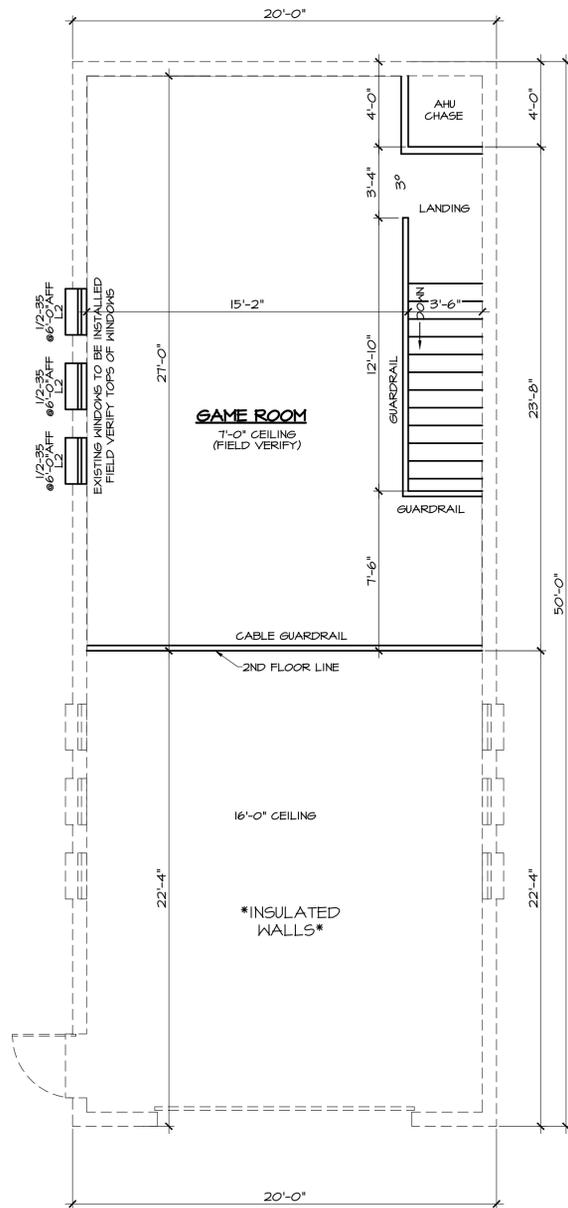
**Typical Shower W/ Niche & Fixed Glass Window**  
1/4" = 1'-0"



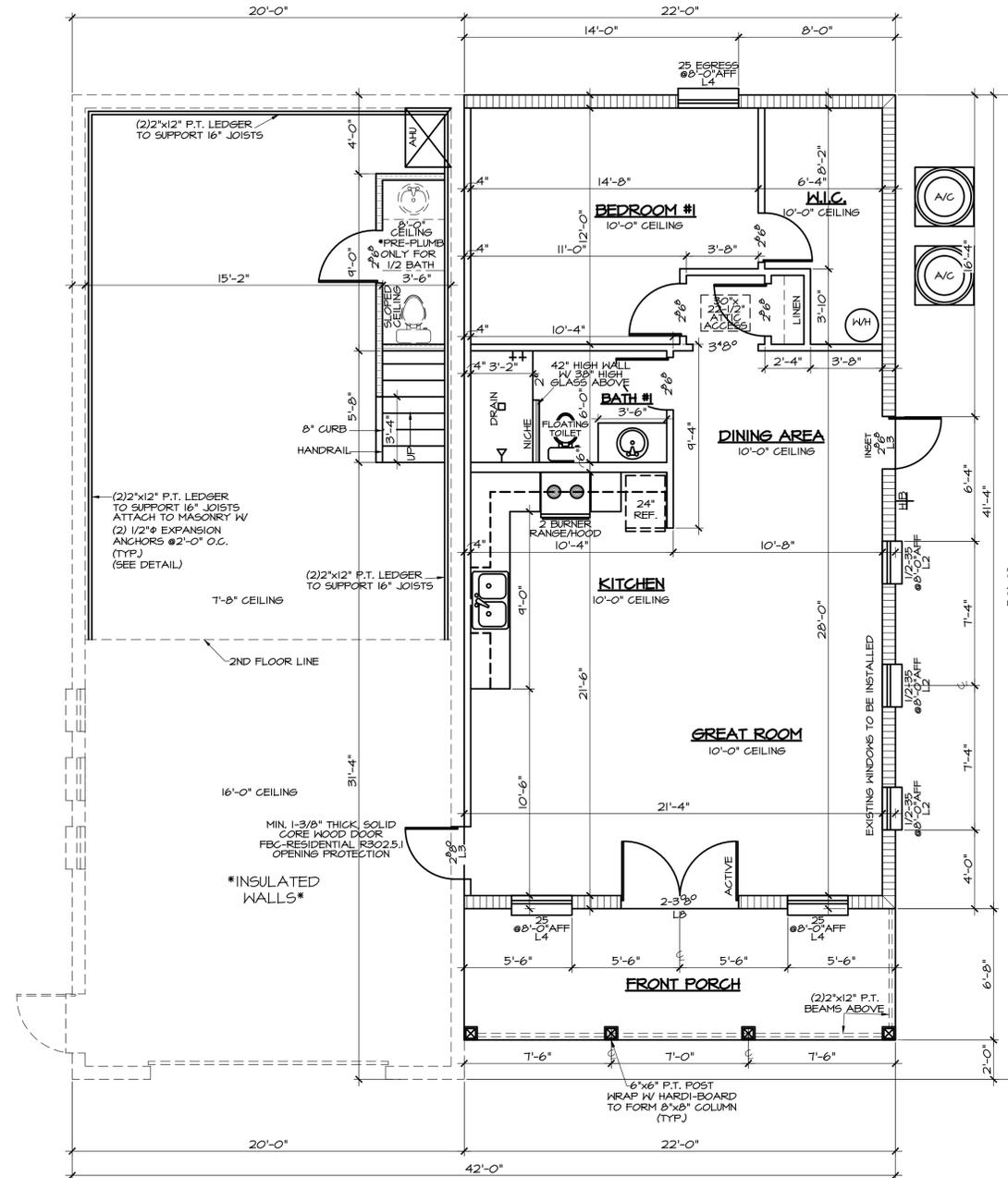
**Floor Joist Detail**  
1/2" = 1'-0"



**Existing Floor Plan**  
1/4" = 1'-0"



**Game Room Floor Plan**  
1/4" = 1'-0"



**Addition Floor Plan**  
1/4" = 1'-0"

**\*ALL DOORS EXCEPT CLOSET DOORS ARE TO BE TITRAGRAL DOORS**

**\*ENTRY DOORS FROM GARAGE TO HOUSE MUST BE SOLID CORE CONSTRUCTION 20 MINUTE RATED DOOR W/ SELF CLOSER GLASS SIDE LITES @ ENTRY DOORS MUST BE TEMPERED\***

**\*FRONT DOOR INSTALLATION: TAPCONS TO BE LOCATED BEHIND WEATHERSTRIP**

**\*BATH VENT FAN VENTS IN SOFFIT TO HAVE BLOCKING & TO BE LOCATED MIN. 3' FROM ANY WINDOW**

**\*NOTE: ALL WINDOWS ARE SINGLE HUNG EXCEPT AS NOTED AS FIXED, TRANSOM, HALF CIRCLE, OR EYEBROW**

Plan Call Out	Width	Height	Sq. Ft.	*
12	19"	26"	3	
13	19"	30"	5	
14	19"	50"	7	
15	19"	63"	8	
16	19"	72"	10	
17	19"	40"	11	
1/2-32	26"	26"	5	
1/2-33	26"	30"	7	
1/2-34	26"	50"	4	
1/2-35	26"	63"	11	
1/2-36	26"	72"	13	
1/2-37	26"	90"	16	
22	37"	26"	7	
23	37"	30"	10	
24	37"	50"	13	
25	37"	63"	16	*
26	37"	72"	19	*
21	37"	40"	22	*
32	53"	26"	10	*
33	53"	30"	14	*
34	53"	50"	18	*
35	53"	63"	23	*
36	53"	72"	27	*
37	53"	40"	32	*

\* MEETS MIN. EXPRESS SIZE REQUIREMENTS PER FC 2023 (21) EQ. REG. (R301)

Tag	Clear Span	Lintel Size	Precast And Prestressed	
			TYPE/SIZE	Rebar
L1	1'-6"	2'-10"	8"-U	NOT REQD
L2	2'-2"	3'-6"	8"-U	NOT REQD
L3	2'-8"	4'-0"	8"-U	NOT REQD
L4	3'-2"	4'-6"	8"-U	NOT REQD
L5	4'-0"	5'-8"	8"-U	NOT REQD
L6	4'-8"	6'-10"	8"-U	NOT REQD
L7	5'-2"	6'-6"	8"-F	NOT REQD
L8	6'-2"	7'-6"	8"-F	1 - #5
L9	7'-0"		NOT AVAILABLE	
L10	8'-0"	4'-4"	8"-F	1 - #5
L11	8'-2"	10'-6"	8"-F	1 - #5
L12	10'-0"	11'-4"	8"-F	1 - #5
L13	11'-2"	12'-6"	8"-F	1 - #5
L14	12'-0"	13'-4"	8"-F	1 - #5
L15	12'-8"	14'-2"	8"-F	1 - #5 T&B
L16	13'-4"	14'-8"	8"-PS-F	1 - #5 T&B
L17	14'-0"	15'-4"	8"-PS-F	1 - #5 T&B
L18	16'-0"	17'-4"	8"-PS-F	1 - #5 T&B
L19	18'-0"	19'-4"	8"-PS-F	1 - #5 T&B
L20	19'-8"	20'-0"	16"-PS-F-C	1 - #5 T&B
L21	20'-8"	22'-0"	16"-PS-F-C	1 - #5 T&B
L22	22'-8"	24'-0"	16"-PS-F-C	1 - #5 T&B
<b>Garage Door Lintels</b>				
L19G	16'-0"	17'-4"	8"-PS-F	1 - #5 T&B
L19D	16'-0"	18'-4"	8"-PS-F	1 - #5 T&B
<b>Garage Door W/Bonus Room Above</b>				
L19B	16'-0"	17'-4"	24"-PS-C	1 - #5 T&B
L19D	16'-0"	18'-4"	24"-PS-C	1 - #5 T&B
<small>*COMPOSITE INCLUDES 1 #5 REBAR TOP &amp; BOTTOM REV. SUB/2007</small>				

- DESIGN LOADS:**
- Design conforms with Florida Bldg. Code 8th Edition (2023) (Building & Residential) Design Criteria for 140MPH Wind Forces Per ASCE/SEI 7-22 Minimum Design Loads For Buildings & Other Structures.
  - Wood: No. 2 Grade Southern Pine Or Better
  - Risk Category II
  - MNFRS Chapters 26 Thru 24
  - Chap. 30: Components/Cladding (C4 C) Excl: Low Rise Building Doors & Windows 247 PSF
  - Internal Pressure Coefficient: ± 0.18
  - Exposure 'B'
  - Residential Category R3

AREAS:	
NEW LIVING	909
NEW GAME ROOM	468
EXISTING GARAGE	1,000
NEW FRONT PORCH	147
<b>TOTAL:</b>	<b>2,524</b>

REVISIONS	BY

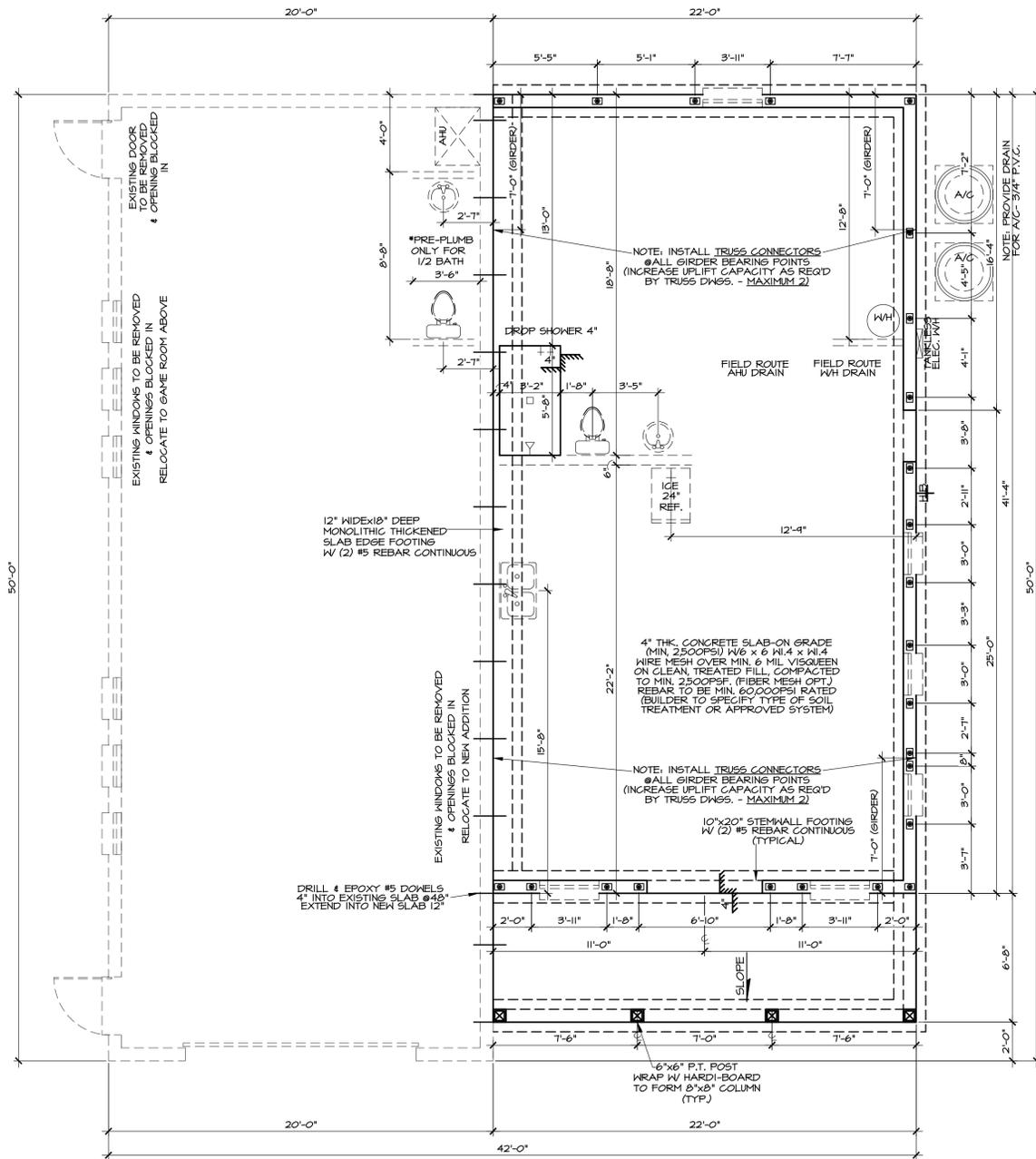
**ARKAY ENGINEERING INC.**  
STRUCTURAL ENGINEER  
1800 E. EGRESS BLVD. #1000, LAKELAND, FL 33805  
PHONE: 888-669-8660 FAX: 888-669-4557  
STATE OF FLORIDA CERT. OF AUTHORIZATION # EB6347  
RICHARD L. KIDDEY, P.E. - FLORIDA LICENSE # 37296

**Addition For:**  
**The Ginevra Residence**  
**6935 Indian Creek Park Dr., Lakeland, FL 33813- Floor Plan**

**Hulbert Homes, Inc.**  
PHONE: 863-647-5815  
FAX: 644-1125

ARKAY JOB #21513  
DRAWN BY  
SDF  
DATE CHECKED  
4 DEC 2025  
DATE  
31 JAN 2024  
SCALE  
AS NOTED  
SHEET  
OF 4 SHEETS  
PAPER SIZE  
24"x36"

NOTE: ROOM SIZES ARE APPROXIMATE. Dimensions are from inside masonry and framing, rounded up to the nearest inch. Masonry walls = 8". Frame walls = 4". Address, zoning, drainage and easements are not included in dimensions. Detail Coord. 2025-06-10 for 2025-06-10.



**Foundation Plan**  
1/4" = 1'-0"

**BUILDER OPTION:**  
POWER BOX LINTELS (SEE LINTEL SCHEDULE)  
FOR CLEAR SPANS OVER 10'-0" UP TO 30'-0" USE  
POWER BOX LINTEL (8" x 16" 16ga COMPOSITE DET. 1)  
W/8" IN 8" x 16" CMU'S. (PER POWERS STEEL  
CATALOG/MAY REPLACE MASONRY LINTELS)

**BORA-CARE SUBTERRANEAN TERMITES**  
TREATMENT TO BE USED W/ TERMITE TUBES, APPLICATION TO  
GROUND FLOOR FLOOR HOOD SURFACES ONLY  
PER CH. 816.12, FL STATUTES FEB. 2023, 8TH ED.

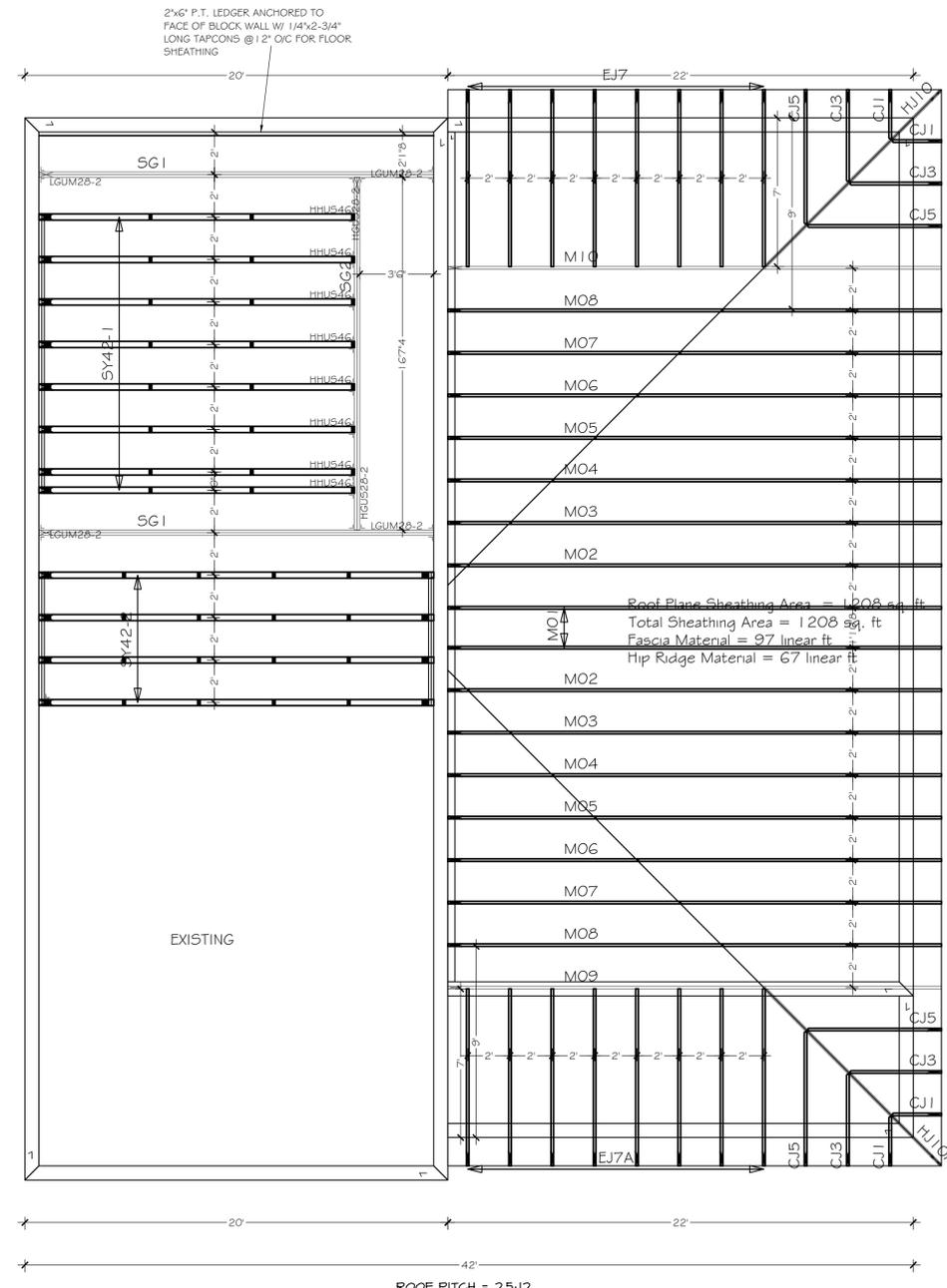
**NOTE: PLUMBER TO VERIFY  
LOCATION OF FIXTURES**

**NOTE: FOUNDATION CONTRACTOR  
TO VERIFY PLACEMENT OF STEEL  
REINFORCEMENT CLEARS WINDOW  
OPENINGS (VERIFY W/FLOOR PLAN)**

**NOTES:**

- FOOTING DOVEL & POURED CELL W/ #5 FROM SLAB TO BOND BEAM. DOVELS: 90°-10° LG. HOOK - MIN. EMBED. 5" INTO 8" FOOTINGS AND 6" IN ALL OTHERS MIN. LAP @ VERTICAL WALL REINFORCEMENT = 25'
- FOUNDATION CONTRACTOR TO VERIFY LOCATIONS OF REINFORCEMENT NEAR OPENINGS (FLOOR/FOUNDATION PLANS)
- ALL EXTERIOR WALLS ARE ENGINEERED AS SHEAR WALLS SHEARWALLS FOR SIDE & ENDWALLS CONFORM TO MIN. DESIGN REQUIREMENTS OF FEB. 8th Ed. (2023) & PROVISIONS OF THE NATIONAL CONCRETE MASONRY ASSOC. SPECIFICATION AND ACI 330 (BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES)
- FOUNDATION PLAN IS VALID AS SHOWN UNLESS ADDITIONAL REQUIREMENTS ARE INDICATED ON SOILS TEST REPORT NOT AVAILABLE TO ENGINEER OF RECORD PRIOR TO THIS DESIGN

CONNECTOR SCHEDULE			
SIMPSON	USE	SIMPSON	USE
Stock Number	Uplift	Stock Number	Uplift
H25	415	RT1	585
H4	360	RT4	410
		RT3	505
H25A	600	RT1A	635
H6	915	LFT46	1015
H10	905	RT16 (F OR T)	1225
META12	1240	TA12/TA14	825/1155
		HTA16-18	1400
META14 THRU 20	1450	TA16 THRU 36	1205
META16 THRU 24	1805	HTA16 THRU 48	1615
ABU44	2200	PAU44	2350
ABU66	2300	PAU66	2380
BC4	480	C44	1000
BC46	480	C46	1000
LS210-2	1710	JS210-2	1980
LS214-2	1710	JS214-2	1980
FHA4	705	KFA4	860
MYS12	1000	MW12	1085
LTS12	775	LPTA	1250
LTS16	775	LTH6	775
MEHA3.56/425	3,145	NFM35X100	3,450
LFTA	1205	KLFTA	1285
H5	1300	HD2X	1415
H6	1470	RT22F	1225
M8T	3,465	HTT22	5,310
H8T-3	10,530	H8T3	9,860
H8T-4	9,250	H8T4	9,860
ST4	755	ST4	745
LSTA30	1,640	LSTA30	1,640
HIC210-2	1,505	HD210-2 (INV)	1,575



**Truss Layout**  
1/4" = 1'-0"

Roof Plane Sheathing Area = 1208 sq. ft.  
Total Sheathing Area = 1208 sq. ft.  
Fascia Material = 97 linear ft.  
Hip Ridge Material = 67 linear ft.

REVISIONS	BY

**ARKAY ENGINEERING INC.**  
STRUCTURAL ENGINEER  
1805 E. EGRESS BLVD. SUITE 100, AURORA, FL 32805  
PHONE: 407-949-8400 FAX: 407-949-4557  
STATE OF FLORIDA CERT. OF AUTHORIZATION # EB6347  
RICHARD L. KIDDEY, P.E. - FLORIDA LICENSE # 9796

**Addition For:**  
**The Ginevra Residence**  
**6935 Indian Creek Park Dr., Lakeland,**  
**FL 33813- Foundation Plan**

**Hulbert Homes, Inc.**  
PHONE: 863-647-5815  
FAX: 644-1120

**ARKAY JOB #21513**

DRAWN BY  
SDF

DATE CHECKED  
9 DEC 2025

DATE  
9 DEC 2025

SCALE  
AS NOTED

SHEET  
2

OF 4 SHEETS

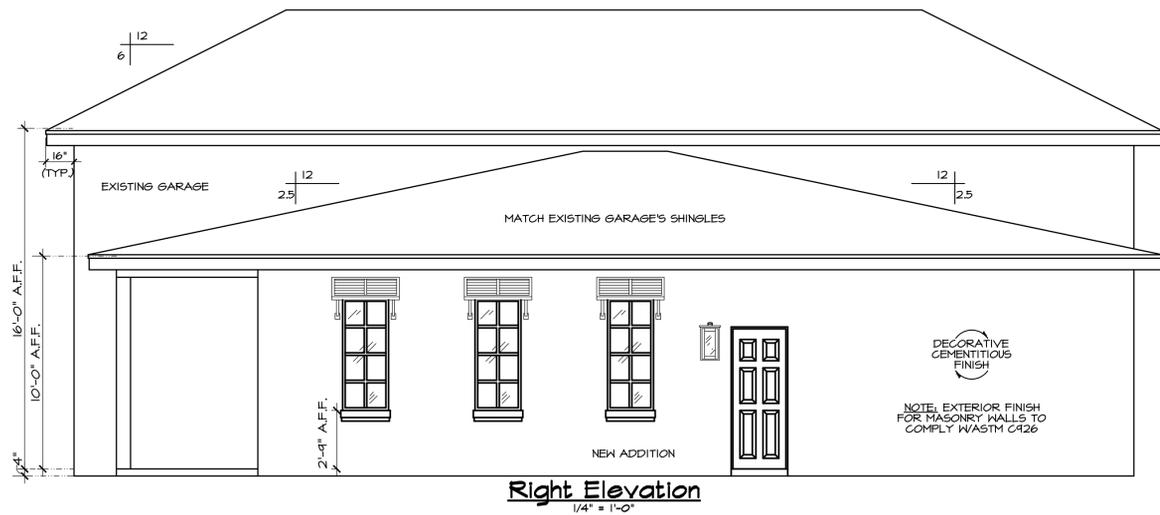
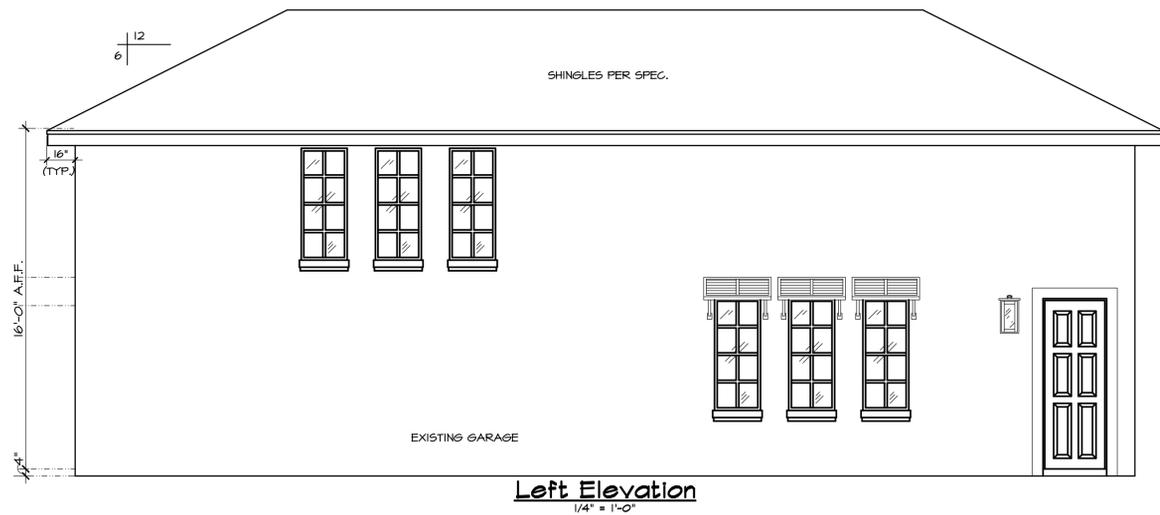
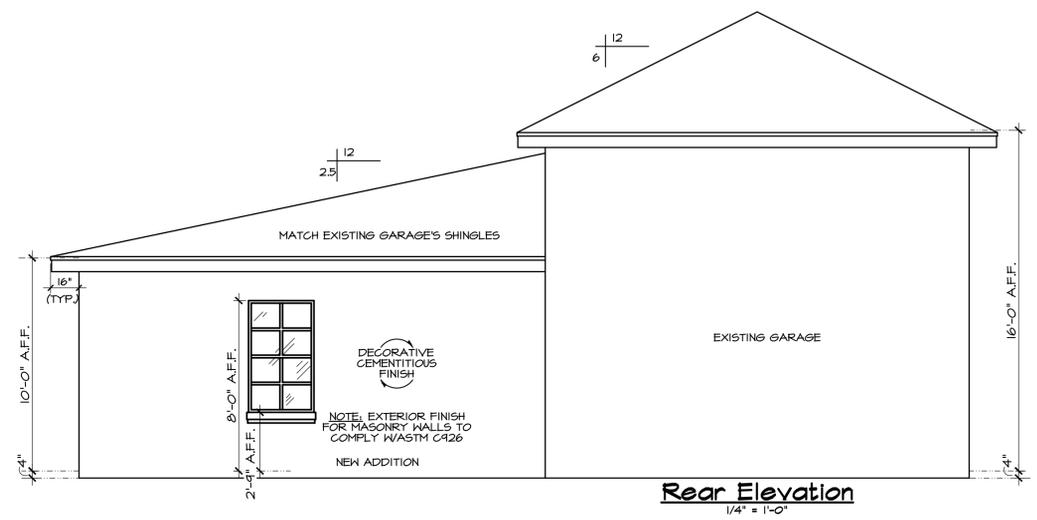
PAPER SIZE  
24"x36"

MINIMUM STEMWALL HT. = 1'-4" AS SHOWN ON WALL SECTIONS. IF STEMWALL EXCEEDS 4 EXPOSED COURSES IN HT. THE ENGINEER OF RECORD MUST REVIEW THE FOUNDATION PLAN TO DETERMINE IF MORE POURED CELLS ARE REQUIRED. IF STEMWALL EXCEEDS 4 COURSES - ALL CELLS INDICATED ON FOUNDATION PLAN MUST BE POURED FULL PRIOR TO BACKFILLING OF FOUNDATION.

**DESIGN LOADS:**

- Design conforms with Florida Bldg. Code 8th Edition (2023) (Building & Residential) Design Criteria for 140MPH Wind Forces Per ASCE/SEI 7-22 Minimum Design Loads For Buildings & Other Structures.
- Wood: No. 2 Grade Southern Pine Or Better
- Risk Category II
- MinFRS Chapters 26 Thru 29
- Chap. 30, Components/Cladding (C4 C) Part I: Low Rise Building  
Doors & Windows: 1/4" PSF  
Garage Door: 18.5'-20.4'
- Internal Pressure Coefficient: + 0.18
- Exposure 'B'
- Residential Category R3

NOTE: DIMENSIONS ARE APPROXIMATE. Dimensions are from inside masonry and framing, rounded up to the nearest inch. Masonry walls = 8". Frame walls = 4". Address, framing, drywall, insulation and accessories are IBC. Included in dimensions. Final construction costs are for reference only.



**EXTERIOR LATH, WEEP, & WATER RESISTIVE BARRIER NOTES:**

- EXTERIOR PLASTER:** INSTALLATION OF THESE MATERIALS SHALL BE IN COMPLIANCE W/ ASTM C 426 & ASTM C 1063 & THEIR PROVISIONS OF THIS CODE.
- LATH:** ALL LATH & LATH ATTACHMENTS SHALL BE OF CORROSION-RESISTANT MATERIALS. EXPANDED METAL OR WOVEN WIRE LATH SHALL BE ATTACHED W/ 1-1/2-INCH-LONG (38 MM), 11 GAGE NAILS HAVING A 7/16-INCH (11MM) HEAD, OR 1/8-INCH LONG (22.2MM), 16 GAGE STAPLES, SPACED AT NO MORE THAN 6" (152 MM), OR AS OTHERWISE APPROVED.
- PLASTER:** PLASTERING WITH PORTLAND CEMENT PLASTER SHALL BE NOT LESS THAN 3 COATS WHEN APPLIED OVER METAL LATH OR WIRE LATH & SHALL BE NOT LESS THAN 2 COATS WHEN APPLIED OVER MASONRY, CONCRETE, PRESSURE-PRESERVATIVE TREATED WOOD OR DECAY-RESISTANT WOOD AS SPECIFIED IN SECTION R311) OR GYPSUM BACKING IF THE PLASTER SURFACE IS COMPLETELY COVERED BY VENEER OR OTHER FACING MATERIAL OR IS COMPLETELY CONCEALED. PLASTER APPLICATION NEED BE ONLY 2 COATS, PROVIDED THE TOTAL THICKNESS IS AS SET FORTH IN TABLE R102.1(1). THE PROPORTION OF AGGREGATE TO CEMENTITIOUS MATERIALS SHALL BE AS SET FORTH IN TABLE.
- WEEP SCREENS:** A MIN. 0.019-INCH (0.5 MM) (NO. 26 GALVANIZED SHEET GAGE), CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, WITH A MIN. VERTICAL ATTACHMENT FLANGE OF 3-1/2 INCHES (89 MM) SHALL BE PROVIDED AT OR BELOW FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS IN ACCORDANCE W/ ASTM C 926. THE WEEP SCREED SHALL BE PLACED A MIN. OF 4 INCHES (102 MM) ABOVE THE EARTH OR 2 INCHES (51 MM) ABOVE PAVED AREAS. IT SHALL BE OF A TYPE OF THAT WILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING. THE WEATHER-RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER & TERMINATE ON THE ATTACHMENT FLANGE OF THE WEEP SCREED.
- WATER-RESISTIVE BARRIERS:** WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION R1403.2.4, WHERE APPLIED OVER WOOD-BASED SHEATHING SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER W/ A PERFORMANCE AT LEAST EQUIVALENT TO 2 LAYERS OF GRADE D PAPER. THE INDIVIDUAL LAYERS SHALL BE INSTALLED INDEPENDENTLY SUCH THAT EACH LAYER PROVIDES A SEPARATE CONTINUOUS FLANGE & ANY FLASHING (INSTALLED IN ACCORDANCE W/ SECTION R103.8) INTENDED TO DRAIN TO THE WATER-RESISTIVE BARRIER IS DIRECTED BETWEEN THE LAYERS.  
EXCEPTION: WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN THAT OF 60-MINUTE GRADE D PAPER & IS SEPARATED FROM THE STUCCO BY AN INTERVENING, SUBSTANTIALLY NON-WATER-ABSORBING LAYER OR DESIGNED DRAINAGE SPACE.

- DESIGN LOADS:**
- Design conforms with Florida Bldg. Code 9th Edition (2023) (Building & Residential) Design Criteria for 140MPH Wind Forces Per ASCE/SEI 7-22 Minimum Design Loads For Buildings & Other Structures.
  - Wind: No. 2 Grade Southern Pine Or Better
  - Risk Category II
  - MFIRS Chapters 26 Thru 24
  - Chap. 30: Components/Cladding (C4 C) Part 1: Low Rise Building  
Doors & Windows ±47 PSF  
Garage Door ±10.5/-20.4
  - Internal Pressure Coefficient: ± 0.18
  - Exposure 'B'
  - Residential Category R3

REVISIONS	BY

ENGINEER OF RECORD:  
**ARKAY ENGINEERING INC.**  
STRUCTURAL ENGINEERS  
1805 E. EGGLESTON BLVD., SUITE 100, LAKELAND, FL 33805  
PHONE: 888-669-8600 FAX: 888-669-4557  
STATE OF FLORIDA CERT. OF AUTHORIZATION # EB0347  
RICHARD L. KIDDEY, P.E. - FLORIDA LICENSE # 97196

Addition For:  
**The Ginevra Residence**  
6935 Indian Creek Park Dr., Lakeland,  
FL, 33813 - Elevations

**Hulbert Homes, Inc.**  
PHONE: 863-647-5815  
FAX: 844-1125

ARKAY JOB #21513

DRAWN BY	SDF
DATE CHECKED	9 DEC 2025
DATE	31 JAN 2024
SCALE	AS NOTED
SHEET	3
OF 4 SHEETS	
PAPER SIZE	24"x36"

NOTE: DIMENSIONS ARE APPROXIMATE. Dimensions are from inside masonry and framing, rounded up to the nearest inch. Masonry walls = 8". Frame walls = 4". All elevations, framing, drywall, insulation and accessories are as detailed in dimensions, details, conditions and references or as per applicable specifications.

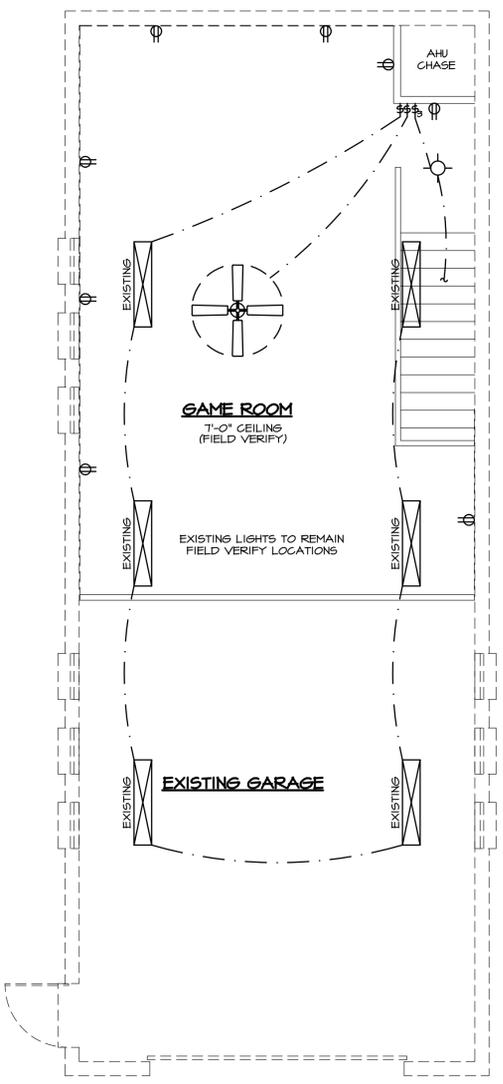
REVISIONS	BY

ENGINEER OF RECORD:  
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 STRUCTURAL ENGINEERS  
 1805 E. EAGLE CREEK BLVD., SUITE 200, AURORA, FL 32805  
 PHONE: 407-499-2600 FAX: 407-499-4557  
 STATE OF FLORIDA CERT. OF AUTHORIZATION # EB0347  
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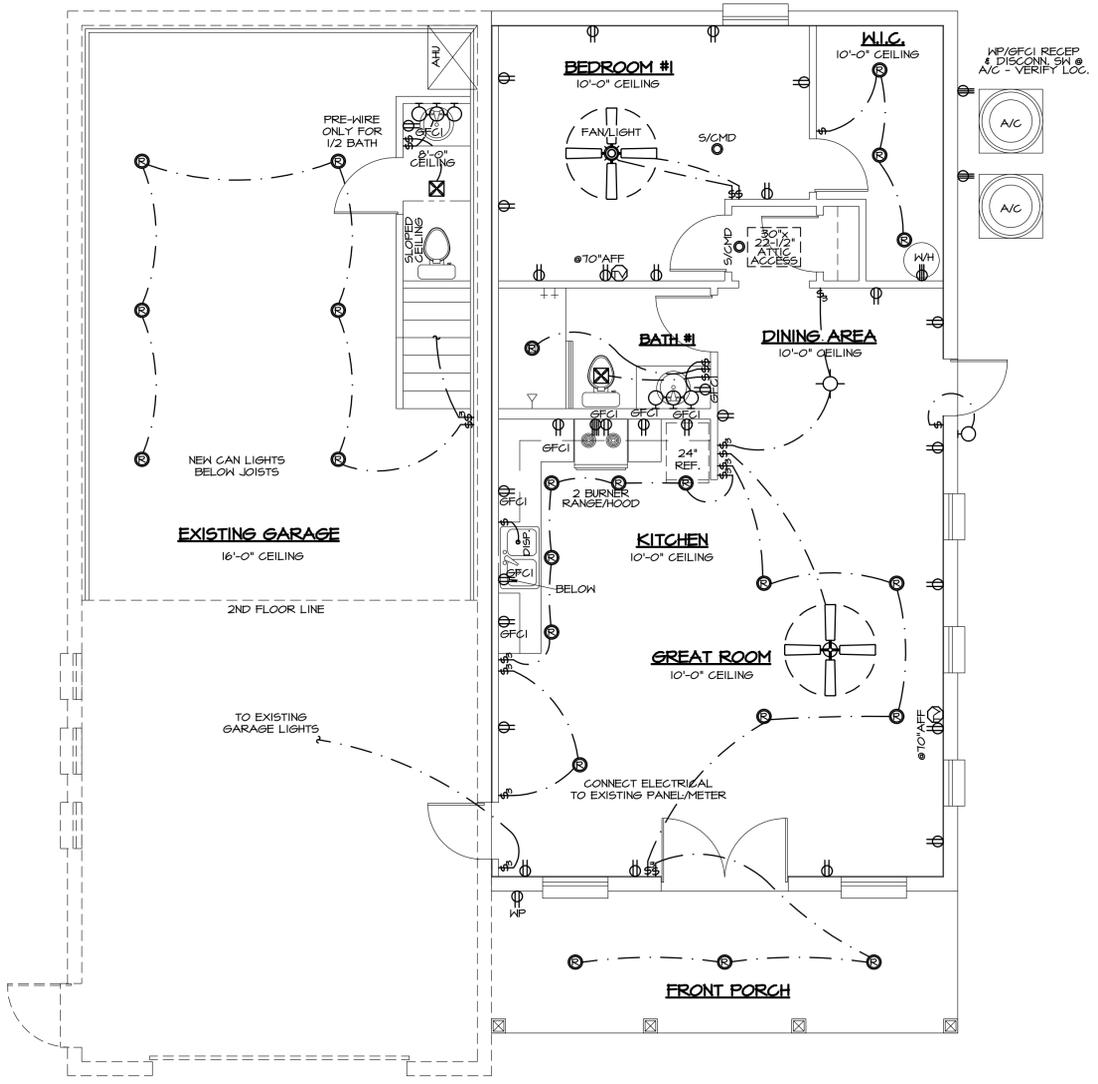
Addition For:  
**The Ginevra Residence**  
 6435 Indian Creek Park Dr., Lakeland,  
 FL, 33813 - Lighting & Electrical Plan

**Hulbert Homes, Inc.**  
 PHONE: 863-647-5815  
 FAX: 844-1125

ARKAY JOB #21513  
 DRAWN BY  
 SDF  
 DATE CHECKED  
 9 DEC 2025  
 DATE  
 23 OCT 2025  
 SCALE  
 AS NOTED  
 SHEET  
 4  
 OF 4 SHEETS  
 PAPER SIZE  
 24"x36"



**Game Room Lighting & Electrical Plan**  
 1/4" = 1'-0"



**Addition Lighting & Electrical Plan**  
 1/4" = 1'-0"

**NATIONAL ELECTRICAL CODE NOTE:**

ARTICLE 210.8  
 GFCI PROTECTION FOR ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES. THIS CHANGE EFFECTIVELY REQUIRES GFCI PROTECTION FOR WASHING MACHINES, DRYERS, RANGES AND STOVES AND OTHER APPLIANCES IN DWELLINGS. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.

ARTICLE 210.52 (C) (3)  
 REQUIRED KITCHEN RECEPTACLES NOT MORE THAN 20 INCHES ABOVE COUNTER TOPS; LISTED RECEPTACLES REQUIRED FOR COUNTERTOP INSTALLATION, RECEPTACLES NOT MORE THAN 12 INCHES BELOW COUNTER TOPS AND NOT ALLOWED BELOW COUNTER TOPS THAT EXTEND MORE 6 INCHES BEYOND ITS SUPPORT BASE.

ARTICLE 210.63  
 LOCATION OF EQUIPMENT SERVICE OUTLET, NEW SECTION REQUIRING EQUIPMENT SERVICE OUTLETS TO BE ON THE SAME LEVEL AS THE EQUIPMENT SERVED. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.

ARTICLE 210.70 (A) (1)  
 LOCATION OF WALL MOUNTED CONTROL DEVICES (GENERALLY MEANS LIGHT SWITCHES) ARE REQUIRED IN CLOSE PROXIMITY TO ENTRANCES TO HABITABLE ROOMS, KITCHENS AND BATHROOMS. THIS MEANS ROOMS WITH MULTIPLE ENTRANCES REQUIRE MULTIPLE SWITCHES SO LIGHTING CAN BE CONTROLLED FROM ALL ENTRANCES. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.

ARTICLE 230.67  
 ALL SERVICES INCLUDING REPLACED SERVICES REQUIRE TYPE 1 OR TYPE 2 SURGE PROTECTORS. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.

ARTICLE 230.85  
 EMERGENCY SERVICE DISCONNECT NOW REQUIRED ON EXTERIOR OF HOME AND IDENTIFIED BY LABEL. THIS CHANGE ELIMINATES SERVICE DISCONNECTING MEANS INSIDE BUILDING INCLUDING BACK-TO-BACK INSTALLATIONS. ALSO REQUIRED ON SERVICE CHANGE OUT. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.

ARTICLE 242  
 A NEW ARTICLE COVERING SURGE PROTECTORS INCLUDING LOCATIONS, WIRING METHODS AND SURGE PROTECTOR TYPES.

ARTICLE 314.27 (C)  
 ELECTRICAL BOXES LISTED FOR SOLE SUPPORT OF CEILING FANS OR BOXES ATTACHED TO DIRECTLY TO STRUCTURAL FRAMING REQUIRED IN ALL HABITABLE ROOMS.

ARTICLE 406.9  
 NO RECEPTACLES WITHIN 3 FEET HORIZONTALLY OR 8 FEET VERTICALLY FROM BATHUB RIMS OR SHOWER THRESHOLD. EXCEPTION FOR SMALL BATHROOMS REMAINS.

ARTICLE 445.18  
 GENERATORS WITH A RATING GREATER THAN 15KW REQUIRE REMOTE EMERGENCY STOP SWITCH LOCATED OUTSIDE OF THE GENERATOR ENCLOSURE. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.

ARTICLE 625.54  
 GFCI PROTECTION FOR RECEPTACLES INSTALLED FOR CONNECTION OF ELECTRIC VEHICLE CHARGING. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.

ARTICLE 680.21 (C)  
 OUTLETS SUPPLYING POOL MOTORS ON BRANCH CIRCUITS TO BE GFCI PROTECTED. THIS IS A PLAN REVIEW ITEM AND SHOULD BE SHOWN ON PLANS.

ARTICLE 690  
 SOLAR PV SYSTEMS. EXTENSIVE REWRITE OF THIS ARTICLE AND NUMEROUS CHANGES AND NEW REQUIREMENTS.

ELECTRICAL LEGEND			
⊕	DUPLEX RECEPTACLE	⊕	LED LIGHT
⊕	220V RECEPTACLES	⊕	TELEVISION OUTLET
⊕	SPLIT-WIRED RECEPTACLE	⊕	PHONE JACK
⊕	WEATHERPROOF RECEPT.	⊕	SMOKE DETECTOR *
⊕	GFCI GROUND FAULT INTERRUPT *	⊕	CARBON MONOXIDE DETECTOR*
⊕	ARC FAULT INTERRUPT *	⊕	COMBO SMOKE/CO DETECTOR*
⊕	SINGLE SWITCH	⊕	LIGHT FIXTURE
⊕	THREE-WAY SWITCH	⊕	DIMMER
⊕	RECESSED CAN	⊕	VENT FAN
⊕	EYEBALL SPOT	⊕	FLOODLIGHTS
⊕	PENDANT HANGING LIGHT	⊕	FAN FAN/LIGHT/HEATLAMP
⊕	ACCENT LIGHT	⊕	VENTILATE

**ELECTRICAL NOTES (NEC 2020):**

- SMOKE/CO DETECTORS TO BE HARD WIRED & INTERCONNECTED W/ BATTERY BACKUPS. \*
- CO DETECTORS (CHD) TO BE PROVIDED #GARAGE ENTRY DOORS ON RESIDENCE SIDE. \*
- WATERPROOF RECEPTACLES PER NEC 2020.
- GFCI PROTECTED CIRCUITS: ALL GARAGE, KITCHEN, BATH, LAUNDRY & EXTERIOR RECEPTS.
- PROVIDE GFCI RECEPTACLE #AHU FOR SERVICE TECHNICIAN
- PROVIDE GFCI RECEPTACLE & DISCONNECT SWITCH #A/C CONDENSER
- ALL LED BULBS WHEN POSSIBLE \*

**DESIGN LOADS:**

- Design conforms with Florida Bldg. Code 9th Edition (2023) (Building & Residential) Design Criteria for 140MPH Wind Forces Per ASCE/SEI 7-22 Minimum Design Loads For Buildings & Other Structures.
- Wood: No. 2 Grade Southern Pine Or Better
- Risk Category II
- MNFRS Chapters 26 Thru 24
- Chap. 30: Components/Cladding (C & C) Excl: Low Rise Building  
 Doors & Windows 247 PSF  
 Garage Door 18.5/-20.4  
 Internal Pressure Coefficient: ± 0.18  
 Exposure 'B'
- Residential Category R3

AREAS:	
NEW LIVING	909
NEW GAME ROOM	468
EXISTING GARAGE	1,000
NEWFRONT PORCH	147
<b>TOTAL:</b>	<b>2,524</b>

NOTE: DIMENSIONS ARE APPROXIMATE. Dimensions are from inside masonry and framing, rounded up to the nearest inch. Masonry walls = 8". Frame walls = 4". Address, zoning, zoning, fire, and other requirements are included in amendments. Final construction shall be per applicable regulations.

**GENERAL NOTES:**

THIS BUILDING HAS BEEN DESIGNED TO CONFORM TO THE 2023 FLORIDA BUILDING CODE 8TH EDITION AND THE 2023 FLORIDA BUILDING CODE - RESIDENTIAL 8TH EDITION

ARKAY ENGINEERING, INC. A REGISTERED, LICENSED, FLORIDA PROFESSIONAL STRUCTURAL ENGINEERING COMPANY HAS APPLIED "RATIONAL ANALYSIS" FOR THE STRUCTURAL DESIGN OF THIS STRUCTURE.

THE BUILDING (INCLUDING ALL COMPONENTS AND CLADDINGS) SHALL BE DESIGNED FOR THE FOLLOWING SUPERIMPOSED LOADS:

**FLOORS:**  
LIVE LOAD - 40 P.S.F.  
DEAD LOAD - 10 P.S.F.

**CARAGE SLAB:**  
LIVE LOAD - 50 P.S.F.  
DEAD LOAD - 10 P.S.F.

**ROOF:**  
LIVE LOAD (TRUSS TOP CHORD) - 20 P.S.F.  
DEAD LOAD (TRUSS TOP CHORD) - 10 P.S.F. (15 P.S.F. WHEN TILE ROOFING IS INSTALLED)  
DEAD LOAD (TRUSS BOTTOM CHORD) - 7 P.S.F.  
ASSUMED TRUSS SELF WEIGHT (DEAD LOAD) - 7 P.S.F.

**WIND:**  
BUILDING IS DESIGNED TO CONFORM TO ASCE 7-22, CHAPTERS 26 THRU 31, PER 2023 FLORIDA BUILDING CODE, RESIDENTIAL - SECTION R302.1.1 AND 2023 FLORIDA BUILDING CODE (8TH EDITION) SECTION R601.1

**WIND DESIGN ASSUMPTIONS:**  
BUILDING EXPOSURE - D  
BUILDING RISK CATEGORY - II  
MEAN ROOF HEIGHT 30' OR LESS  
HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENT = 1.0  
ENCLOSED BUILDING  
INTERNAL PRESSURE COEFFICIENT = +/- 0.18  
WIND SPEED SHOWN AT THE BOTTOM RIGHT CORNER OF THIS SHEET

ALL STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS SHALL BE TYPE V CONSTRUCTION PER FBC 602.5

COMPONENT & CLADDING WIND LOADS		
BUILDING ZONE	ROOF OVERHANG LOADS	ALL OTHER COMPONENT LOADS
1	N/A	+32.3/-35.3
2	-65.7	+32.3/-56.2
3	-10.6	+32.3/-84.0
4	N/A	+35.3/-38.2
5	N/A	+35.3/-47.2

**SOIL BEARING & COMPACTION:**

THESE PLANS WERE DRAWN BASED UPON AN ALLOWABLE SOIL BEARING CAPACITY OF 2,000 P.S.F. (MINIMUM). THE CONTRACTOR/PROPERTY OWNER HAS RESPONSIBILITY FOR VERIFYING THAT THE SOIL ON THE SITE IS PROPERLY PREPARED & COMPACTED SUCH THAT IT CAN SUPPORT A 2,000 P.S.F. FOUNDATION LOADING.

ARKAY ENGINEERING, INC. A REGISTERED, LICENSED, FLORIDA PROFESSIONAL STRUCTURAL ENGINEERING COMPANY, DESIGNED THESE FOUNDATIONS WITHOUT VISITING THE CONSTRUCTION SITE NOR PERFORMING ANY SOIL TESTING.

ARKAY ENGINEERING, INC. SHALL NOT BE RESPONSIBLE FOR THE SITE SOILS ABILITY TO SUPPORT THE BUILDING LOADS.

**FOUNDATIONS & SLAB-ON-GRADE:**

BUILDING SITE SHALL BE SCAVED TO REMOVE ALL ORGANIC MATERIALS WITHIN THE BUILDING AREA. ANY ADDITIONAL FILL PLACED ON THE BUILDING PAD AREA SHALL BE COMPACTED SUCH THAT IT CAN ADEQUATELY SUPPORT A 2,000 P.S.F. FOUNDATION LOADING.

SLAB SHALL BE PLACED OVER A 6 MIL. VAPOR BARRIER ON CLEAN, ADEQUATELY COMPACTED AND TIGHTLY FINISHED SOIL.

CONCRETE UTILIZED IN THE FOUNDATIONS AND SLABS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 P.S.I.

REINFORCING STEEL SHALL BE GRADE 40 MINIMUM AND IDENTIFIED IN ACCORDANCE WITH ASTM A-65. LAP SPLICES, WHERE REQUIRED, SHALL BE A MINIMUM OF 25" FOR #5 REBAR, 30" FOR #6 REBAR & 35" FOR #7 REBAR.

PLANS ARE ENGINEERED FOR A MAXIMUM STEMWALL HEIGHT OF 4 COURSES (AFTER FINAL SITE GRADING). THE CONTRACTOR OR BUILDING OWNER SHALL DETERMINE THE EXACT STEMWALL HEIGHT BASED UPON SITE CONDITIONS PRIOR TO POURING THE FOUNDATION AND CONTACT ARKAY ENGINEERING WHEN MORE THAN 4 COURSES ARE REQUIRED.

A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON THE SITE FOR THE BUILDING INSPECTOR'S USE, OR ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER TO MARKER TO VERIFY THE REQUIRED BUILDING SETBACKS.

**MASONRY WALLS:**

CONCRETE MASONRY UNITS SHALL BE HOLLOW UNIT MASONRY IN ACCORDANCE WITH ASTM C-90 AND SHALL HAVE A MINIMUM FM OF 1,500 P.S.I.

MORTAR SHALL CONFORM TO ASTM C-270 AND SHALL BE EITHER TYPE M OR S.

REINFORCING STEEL SHALL BE GRADE 40 MINIMUM AND IDENTIFIED IN ACCORDANCE WITH ASTM A-65. LAP SPLICES, WHERE REQUIRED, SHALL BE A MINIMUM OF 25" FOR #5 REBAR, 30" FOR #6 REBAR & 35" FOR #7 REBAR.

CROUT FOR THE POURED CELLS AND LINTELS SHALL HAVE A MAXIMUM COURSE AGGREGATE SIZE OF 3/8", PLACED AT AN 8" TO 12" INCH SLUMP AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 P.S.I. (WHEN TESTED PER ASTM C-109).

PROVIDE CLEAN-OUT OPENINGS (2 SQ. IN.) IN CELLS CONTAINING SPLICED REINFORCEMENT, WHEN THE CROUT FOUR EXCEEDS 5 FEET IN HEIGHT.

**TIMBER MATERIALS:**

ALL TIMBER MATERIALS SHALL BE AS FOLLOWS:

LVL BEAMS SHALL BE (LBE) MICROSLAM LVL MATERIALS MANUFACTURED BY TRUSSJOIST MACMILLAN (OR EQUAL).

LUMBER UTILIZED IN BOTTOM PLATES, TOP PLATES, POSTS, STUD PACKS AND BEAMS SHALL BE #2 YELLOW PINE (OR BETTER).

EXTERIOR AND INTERIOR LOAD BEARING STUDS SHALL BE #2 SPRUCE (OR BETTER). ALL OTHER STUDS SHALL BE "STUD GRADE" SPRUCE.

PSL POSTS SHALL BE (LBE) PARALLAM PSL MATERIALS MANUFACTURED BY TRUSSJOIST MACMILLAN (OR EQUAL). SEE POST SUPPORT TABLE ON THIS SHEET FOR LOAD VALUES.

EXTERIOR WALLS SHALL BE CONSTRUCTED WITH 1/2" PLYWOOD OR 7/16" OSB (2-M-W RATING) NAILED WITH 8D NAILS SPACED AT 3' O.C. ALONG ALL HORIZONTAL JOINTS & EDGES @ 6" O.C. ALONG ALL VERTICAL JOINTS & EDGES AND 12" O.C. ALONG ALL INTERMEDIATE STUDS.

AT OPENINGS 5'-0" WIDE OR LARGER, STRAP HEADER BEAM TO THE HEADER STUDS WITH (2) USP OR SIMPSON 'LSTA24' STRAP TIES AT EACH END OF HEADER BEAM. ANCHOR BOTTOM OF HEADER STUDS TO FOUNDATION WITH A USP OR SIMPSON 'HT16' TENSION TIE.

ANCHOR WOOD SHEARWALL SEGMENTS TO FOUNDATION WITH A USP OR SIMPSON 'HT16' TENSION TIE AT EACH END OF WALL SEGMENTS AND AT ANY WALL SEGMENT INTERSECTIONS (BUILDING CORNERS).

ANCHOR TRUSSES AS FOLLOWS:  
ROOF UPLIFTS OF 45# AND LESS USE (1) USP 'RT3' OR SIMPSON 'H3' HURRICANE TIE.  
FOR UPLIFTS FROM 45# UP TO 90# USE (2) USP 'RT3' OR SIMPSON 'H3' HURRICANE TIES.  
UPLIFTS FROM 90# UP TO 145# USE A USP 'HT20' OR SIMPSON 'HT20' TWIST STRAP.

ALL PLUMBING, ELECTRICAL AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED PRIOR TO REQUESTING THE FRAMING INSPECTION.

IF DESIRED, EQUIVALENT CONNECTORS MADE BY ANOTHER SUPPLIER MAY BE USED IN PLACE OF THE USP OR SIMPSON CONNECTORS SHOWN.

**SOIL TERMITE TREATMENT:**

TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING PESTICIDES APPLIED TO SOIL, OR WOOD, BAITING SYSTEMS, OR OTHER APPROVED PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION.

A "CERTIFICATE OF COMPLIANCE" SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A "CERTIFICATE OF OCCUPANCY" WILL BE ISSUED. THE CERTIFICATE SHALL STATE:

"THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

IF A REGISTERED TERMITICIDE BAIT SYSTEM IS TO BE USED FOR SUBTERRANEAN TERMITE PREVENTION, SECTIONS R320.1.1 THROUGH R320.1.6 DO NOT APPLY. A SIGNED FIVE-YEAR CONTRACT FROM THE ISSUUE OF THE CERTIFICATE OF OCCUPANCY ASSURING MAINTENANCE AND MONITORING OF THE BAITING SYSTEM SHALL BE PROVIDED TO THE BUILDING OFFICIAL PRIOR TO THE SLAB POUR. THE SYSTEM MUST BE INSTALLED PRIOR TO FINAL BUILDING APPROVAL.

INITIAL SOIL POISONING TREATMENT SHALL BE DONE AFTER ALL EXCAVATION, BACKFILLING & COMPACTION ARE COMPLETE.

ANY SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RE-TREATED (INCLUDING ANY BOXED OR FORMED AREAS).

DOZEY AREAS IN THE CONCRETE SLAB FOR INSTALLATION OF TRAPS SHALL BE MADE WITH PROMANET METAL OR PLASTIC FORMS. PROMANET FORMS MUST BE OF AN ADEQUATE SIZE & DEPTH TO ELIMINATE ANY DISTURBANCE OF THE SOIL AFTER THE INITIAL TREATMENT.

A MINIMUM 6 MIL. VAPOR BARRIER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION & RAINFALL OCCURS BEFORE VAPOR BARRIER PLACEMENT, RE-TREATMENT SHALL BE REQUIRED.

ANY CONCRETE OVERPOUR, MORTAR OR STUCCO MATERIALS ALONG THE FOUNDATION PERIMETER MUST BE REMOVED PRIOR TO EXTERIOR SOIL TREATMENT.

EXTERIOR SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 12 INCHES OF THE STRUCTURE SIDE WALLS.

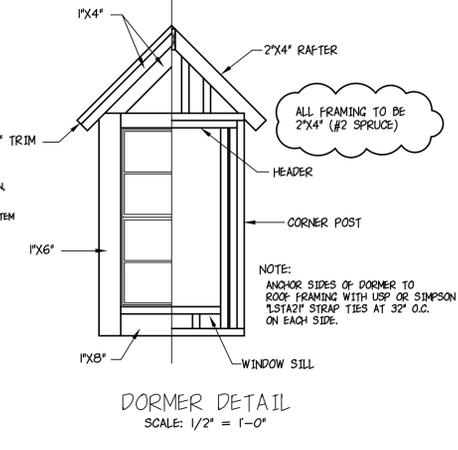
AN EXTERIOR VERTICAL CHEMICAL BARRIER SHALL BE INSTALLED AFTER CONSTRUCTION IS COMPLETE (INCLUDING LANDSCAPING AND IRRIGATION). ANY SOILS DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RE-TREATED.

CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 12 INCHES AWAY FROM THE BUILDING SIDEWALLS.

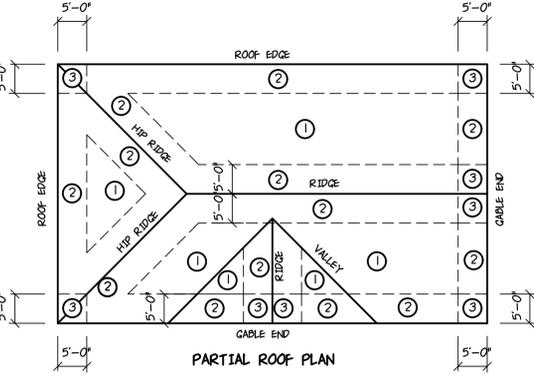
AFTER ALL WORK IS COMPLETED, ANY LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 12 INCHES OF THE BUILDING. THIS SHALL INCLUDE ALL GRADE STAKES, TUB TRAP BOXES FORMS, SHORING AND ANY OTHER CELLULOSE CONTAINING MATERIALS.

THE DISTANCE FROM THE EXTERIOR WALL COVERING (EXCEPTIONS PAINT AND DECORATIVE SEMI-GLAZED FINISHES AND BOND AN ANNA OR WOMA LABEL IDENTIFYING THE MANUFACTURER, IDENTIFYING CHARACTERISTICS AND APPROVED PRODUCT TESTING ENTITY).

CONCRETE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 12 INCHES TO ALLOW FOR INSPECTION FOR FUTURE TERMITE INFESTATIONS.



ROOF SHEATHING SHALL BE FASTENED TO ROOF FRAMING IN ACCORDANCE WITH TABLE R803.2.3.1 WHERE THE SHEATHING THICKNESS IS 15/32 INCHES OR LESS. SHEATHING SHALL BE FASTENED WITH ASTM F1667 R262-1 (23/8" X 0.10") NAILS. WHERE THE SHEATHING THICKNESS IS GREATER THAN 15/32 INCHES, SHEATHING SHALL BE FASTENED WITH ASTM F1667 R262-03 (23/8" X 0.13") NAILS OR ASTM F1667 R262-04 (3" X 0.10") NAILS. R262-01, R262-03 AND R262-04 ARE RING SHANK NAILS MEETING THE SPECIFICATIONS IN ASTM F1667.2. MUST COMPLY WITH TABLE R803.2.3.1 ROOF SHEATHING ATTACHMENT A, B AND TABLE R803.2.2 MINIMUM ROOF SHEATHING THICKNESS.



**NOTE:**  
ZONE ① 8D RING SHANK NAILS AT 6" O.C. AT EDGES  
8D RING SHANK NAILS AT 6" O.C. INTERMEDIATE  
ZONES ② ③ 8D RING SHANK NAILS AT 6" O.C., 4" O.C. AT ROOF EDGES, RIDGE LINE, OR CABLE END WALL  
**NOTE:** END JOINTS FOR SHEATHING SHALL BE STAGGERED AND OCCUR OVER A FRAMING MEMBER.

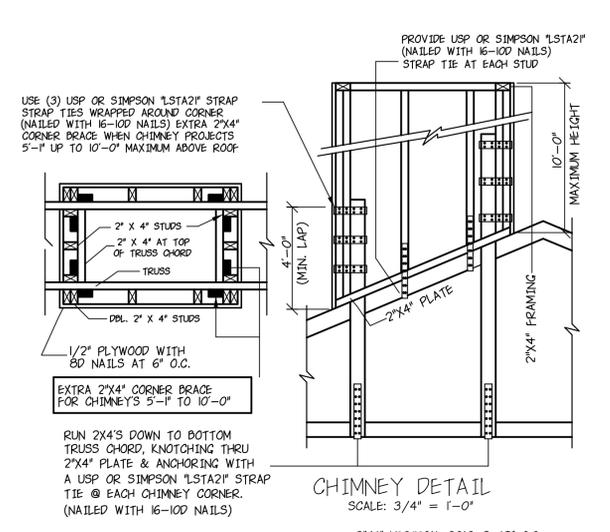
**ROOF SHEATHING NAILING**  
SCALE: 1/4" = 1'-0"

**GIRDER TRUSS ANCHORING:**

AT ROOF USE (1) USP 'HTW20' OR SIMPSON 'HTS20' TWIST STRAP FOR UPLIFTS OF 145# AND LESS.  
USE (2) 'HTW20' OR 'HTS20' STRAPS AT UPLIFTS FROM 145# UP TO 2,900# AND AT UPLIFTS FROM 2,900# UP TO 3,900# USE (2) USP 'MSTA36' STRAPS 2,900# UP TO 4,100# USE (2) SIMPSON 'MSTA36' STRAPS

AT CONCRETE SLAB, ANCHOR POST WITH A USP 'LTS20' OR SIMPSON 'LTT20B' TENSION TIE FOR UPLIFTS OF 1,750# & LESS; USE A USP OR SIMPSON 'HTT16' TENSION TIE AT UPLIFTS FROM 1,750# UP TO 3,480# AND AT UPLIFTS FROM 3,480# UP TO 5,250# USE A USP OR SIMPSON 'HTT22' TENSION TIE

INSTALL A SUPPORT POST UNDER GIRDER PER 'POST SUPPORT TABLE' OF GENERAL NOTE SHEET



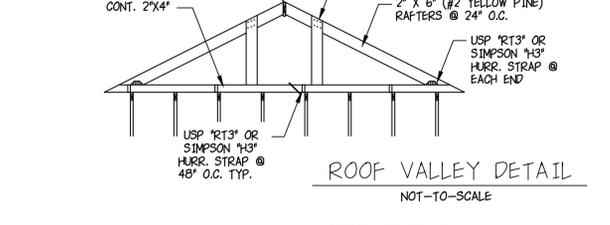
USE (3) USP OR SIMPSON 'LSTA24' STRAP STRAP TIES WRAPPED AROUND CORNER (NAILED WITH 16-10D NAILS) STRAP TIE AT EACH STUD

2" X 4" STUDS  
2" X 4" AT TOP OF TRUSS CHORD  
EXTRA 2" X 4" CORNER BRACE FOR CHIMNEY'S 5'-1" TO 10'-0"

1/2" PLYWOOD WITH 8D NAILS AT 6" O.C.

2" X 4" PLATE  
2" X 4" FRAMING  
MAXIMUM HEIGHT

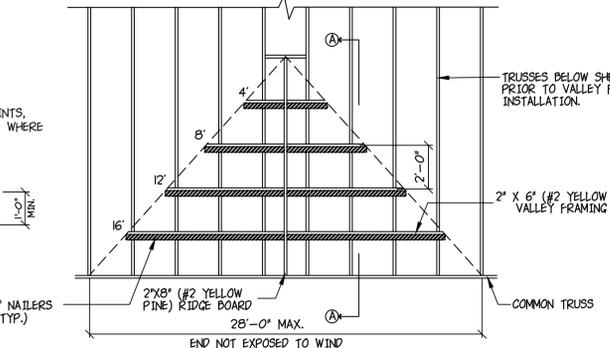
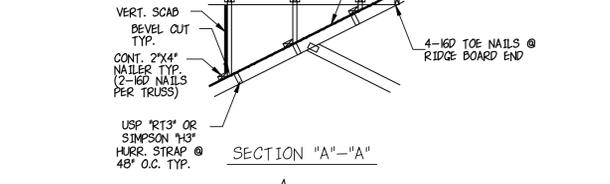
PROVIDE USP OR SIMPSON 'LSTA24' (NAILED WITH 16-10D NAILS) STRAP TIE AT EACH STUD



2" X 8" RIDGE BOARD  
CONT. 2" X 4"  
2" X 6" (#2 YELLOW PINE) RAFTERS @ 24" O.C.  
USP 'RT3' OR SIMPSON 'H3' HURR. STRAP @ EACH END

2" X 6" (#2 YELLOW PINE) RAFTERS @ 24" O.C.  
USP 'RT3' OR SIMPSON 'H3' HURR. STRAP @ 48" O.C. TYP.

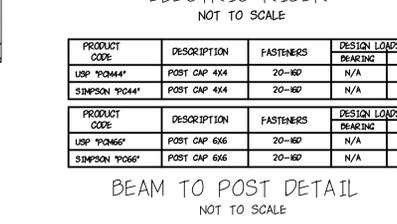
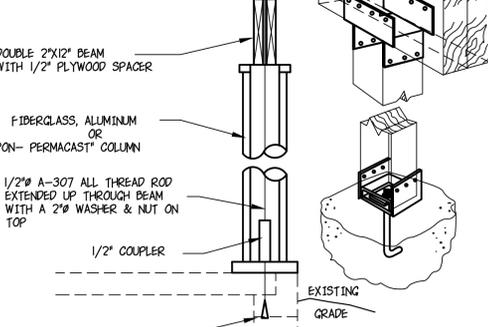
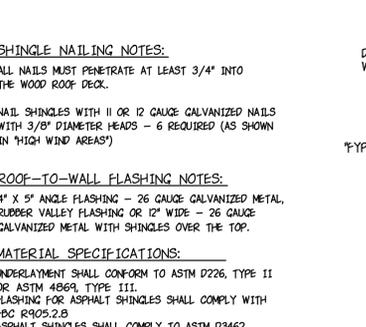
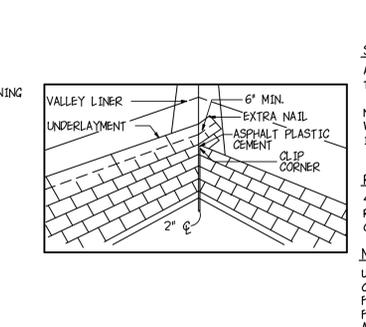
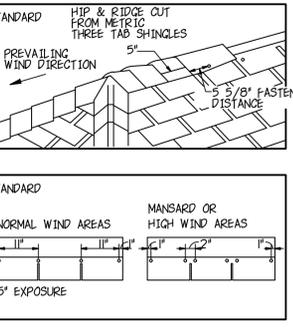
2" X 8" RIDGE BOARD  
SIMPSON H3 FRAMING ANCHOR TYP.  
ROOF SHEATHING  
VERT. SCAD BEVEL CUT TYP.  
CONT. 2" X 4" NAILED TYP. (2-16D NAILS PER TRUSS)  
4-16D TOE NAILS @ RIDGE BOARD END



**POST SUPPORT TABLE**

POST LENGTH	POST SIZE							
	3 1/2" X 3 1/2"	3 1/2" X 5 1/4"	3 1/2" X 7"	5 1/4" X 5 1/4"	5 1/4" X 7"	7" X 7"	ROOF & FLOOR ONLY	ROOF & FLOOR
8'-0"	7,270#	10,905#	11,574#	14,539#	15,432#	26,655#	29,565#	35,540#
9'-0"	6,115#	6,441#	9,173#	9,662#	12,231#	12,883#	23,484#	31,312#
10'-0"	5,203#	5,449#	7,805#	8,173#	10,407#	10,897#	20,667#	22,300#
12'-0"	3,885#	4,033#	5,827#	6,050#	7,770#	8,067#	11,666#	17,180#
14'-0"	3,003#	3,099#	4,504#	4,649#	6,005#	6,199#	12,893#	13,566#
16'-0"							10,483#	10,952#
18'-0"							9,013#	11,565#
20'-0"							7,286#	7,540#
22'-0"								17,638#
24'-0"								15,333#

POSTS SHALL BE (LBE) PARALLAM PSL MATERIALS MANUFACTURED BY TRUSSJOIST MACMILLAN (OR EQUAL).



PRODUCT CODE	DESCRIPTION	FASTENERS	DESIGN LOADS (LBS.) BEARING	UPLIFT
USP 'P0M4'	POST CAP 4x4	20-8D	N/A	970
SIMPSON 'P0M4'	POST CAP 4x4	20-8D	N/A	470

PRODUCT CODE	DESCRIPTION	FASTENERS	DESIGN LOADS (LBS.) BEARING	UPLIFT
USP 'P0M6'	POST CAP 6x6	20-8D	N/A	525
SIMPSON 'P0M6'	POST CAP 6x6	20-8D	N/A	470



ENGINEER OF RECORD:

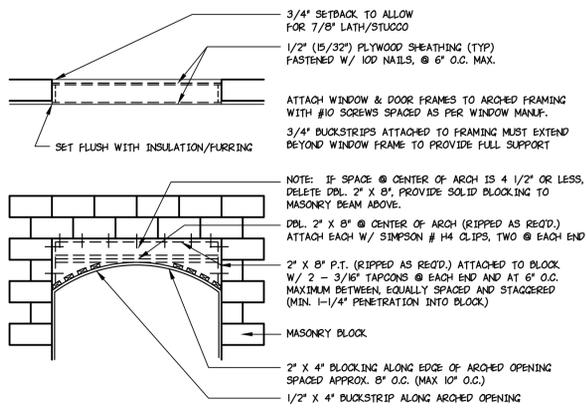
**ARKAY ENGINEERING INC.**  
STRUCTURAL ENGINEERS  
1655 E. EDGEWOOD DRIVE LAKELAND, FLORIDA 33803  
PHONE: 863-688-6500 FAX: 863-688-6557  
STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION # FB69347  
RICHARD L. KIDDEY, P.E. - FLORIDA LICENSE # 371216

THE CONSTRUCTION PLANS SHOWN HEREON ARE IN CONFORMANCE WITH CHAPTER 16, SECTION 609.1 OF THE 2023 FLORIDA BUILDING CODE 8TH EDITION FOR 140 M.P.H. ULTIMATE DESIGN WIND SPEED (RISK CATEGORY III) ALONG WITH THE 2023 FLORIDA BUILDING CODE, RESIDENTIAL 8TH EDITION.

**General Notes & Details**

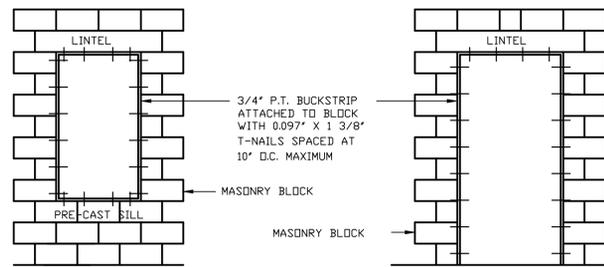
DATE: 1-2-24  
SCALE: AS NOTED  
JOB # FBC2023-140

SHEET  
**GN**  
PERMIT SET



ARCHED WINDOW FILL-IN DETAIL  
NOT TO SCALE

ATTACH WINDOW & DOOR FRAMES TO BLOCK WALL WITH TAPCON SCREWS SPACED AT WINDOW/DOOR MANUFACTURER'S SPECS (TAPCONS MUST PENETRATE THROUGH BUCKSTRIPS & INTO BLOCK 1 1/4" MINIMUM)



WINDOW BUCKSTRIP DETAIL  
NOT TO SCALE

DOOR BUCKSTRIP DETAIL  
NOT TO SCALE

NOTE: WINDOWS & DOORS MUST BE INSTALLED SUCH THAT THE MAXIMUM GAP BETWEEN THE FRAME AND BUCKSTRIP IS 1/4"; IF THICKER BUCKSTRIP MATERIAL IS NEEDED RIP IT FROM 1 1/2" MATERIAL & ATTACH TO BLOCK WITH 3/16" TAPCONS AT 8" O.C. (TAPCON MUST PENETRATE BLOCK 1 1/4" MINIMUM)

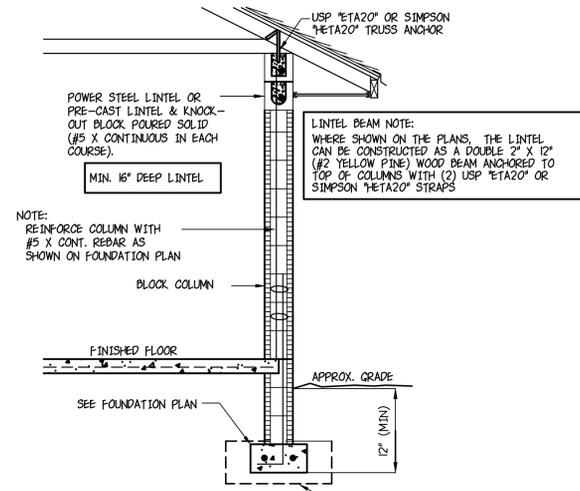
\*IMPORTANT NOTE: IF NOT OTHERWISE NOTED, ALL WINDOWS FOR THE 140 MPH WIND SPEED MUST BE RATED FOR +35.3/-47.2 P.S.F. PRESSURES.

140 MPH (3 SEC. QST) WINDOWS (ENCLOSED BUILDING)			
WINDOW CALL-OUT	SQUARE FOOT	WIND PRESSURE END ZONE	
		POSITIVE	NEGATIVE
2024	4	+35.3	-47.2
2026	6	+35.3	-47.2
2038	7	+35.3	-47.2
2044	8	+35.3	-47.2
2050	10	+35.3	-47.2
2060	12	+35.0	-46.6
2424	5	+35.3	-47.2
2430	7	+35.3	-47.2
2438	8	+35.3	-47.2
2444	10	+35.3	-47.2
2450	11	+35.1	-46.9
2460	14	+34.7	-45.9
2824	6	+35.3	-47.2
2830	8	+35.3	-47.2
2838	9	+35.3	-47.2
2844	11	+35.1	-46.9
2850	13	+34.8	-46.2
2860	15	+34.3	-45.3
3024	7	+35.3	-47.2
3030	9	+35.3	-47.2
3038	11	+35.1	-46.9
3044	13	+34.8	-46.2
3050	15	+34.3	-45.3
3060	18	+34.0	-44.6
3424	7	+35.3	-47.2
3430	10	+35.3	-47.2
3438	12	+35.0	-46.6
3444	14	+34.7	-45.9
3450	16	+34.3	-45.3
3460	20	+33.7	-44.0
3824	8	+35.3	-47.2
3830	11	+35.1	-46.9
3838	13	+34.8	-46.2
3844	15	+34.3	-45.3
3850	18	+34.0	-44.6
3860	22	+33.6	-43.7
4224	9	+35.3	-47.2
4030	12	+35.0	-46.6
4038	14	+34.7	-45.9
4044	17	+34.2	-45.0
4050	20	+33.7	-44.0
4060	24	+33.4	-43.4

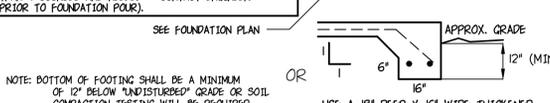
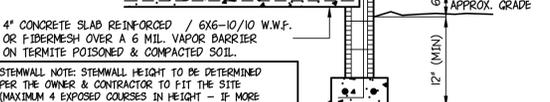
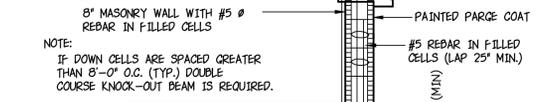
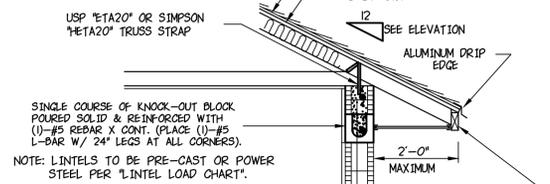
140 MPH (3 SEC. QST) WINDOWS (ENCLOSED BUILDING)			
WINDOW CALL-OUT	SQUARE FOOT	WIND PRESSURE END ZONE	
		POSITIVE	NEGATIVE
12	3	+35.3	-47.2
15	5	+35.3	-47.2
14	7	+35.3	-47.2
15	8	+35.3	-47.2
16	10	+35.3	-47.2
1/2 32	5	+35.3	-47.2
1/2 33	7	+35.3	-47.2
1/2 34	9	+35.3	-47.2
1/2 35	11	+35.0	-46.6
1/2 36	14	+34.7	-45.9
30/26	5	+35.3	-47.2
30/38	8	+35.3	-47.2
30/50	10	+35.3	-47.2
30/63	13	+34.8	-46.2
30/72	15	+34.5	-45.6
22	6	+35.3	-47.2
23	10	+35.3	-47.2
24	13	+34.8	-46.2
25	16	+34.3	-45.3
26	18	+33.9	-44.3
48/26	8	+35.3	-47.2
48/38	12	+35.0	-46.6
48/50	16	+34.3	-45.3
48/63	21	+33.6	-43.9
48/72	24	+33.4	-43.4
32	9	+35.3	-47.2
33	14	+34.7	-45.9
34	18	+34.0	-44.6
35	23	+33.5	-43.6
36	28	+33.1	-42.9

140 MPH (3 SEC. QST) OPENINGS (ENCLOSED BUILDING)			
WINDOW OR DOOR OPENING SQ. FT.		WIND PRESSURE END ZONE	
		POSITIVE	NEGATIVE
10		+35.3	-47.2
20		+33.7	-44.0
30		+33.0	-42.6
40		+32.3	-41.2
50		+31.6	-39.8
60		+31.3	-39.2
70		+31.0	-38.6
80		+30.6	-37.9
90		+30.3	-37.3
100+		+30	-36.7

GARAGE DOORS +18.5/-20.9 PSF

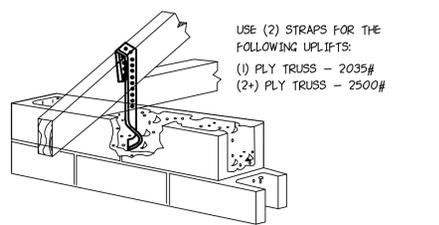


BLOCK COLUMN DETAIL  
SCALE: 1/2" = 1'-0"



TYPICAL WALL SECTION  
SCALE: 1/2" = 1'-0"

PRODUCT CODE	DESCRIPTION	MATERIAL GAUGE	DIMENSION	FASTENERS	DESIGN LOADS (LBS.)
USP #2A20	TRUSS ANCHOR	16	20"	10	1500 590 660
SIMPSON #2A20	TRUSS ANCHOR	16	20"	10	1805 335 730

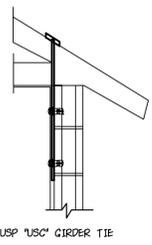


TRUSS TO BLOCK DETAIL  
NOT TO SCALE

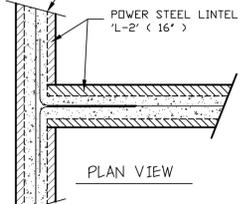
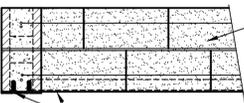
USE SIMPSON #MCI HEAVY GIRDER TIEDOWN FOR UPLIFTS UP TO 3,965#  
USE SIMPSON #HCT-3 HEAVY GIRDER TIEDOWN FOR UPLIFTS UP TO 10,530#  
USE SIMPSON #HCT-4 HEAVY GIRDER TIEDOWN FOR UPLIFTS UP TO 9,250#

USE (1) SIMPSON #GTR FACE MOUNT GIRDER TIEDOWN FOR UPLIFTS UP TO 5,000 LBS. WITH (2) 1/2" X 5" TITEN HD FASTENERS OR EQUIV.  
USE (2) SIMPSON #GTR FACE MOUNT GIRDER TIEDOWNS FOR UPLIFTS UP TO 9,400 LBS. WITH (4) 1/2" X 5" TITEN HD FASTENERS OR EQUIV.

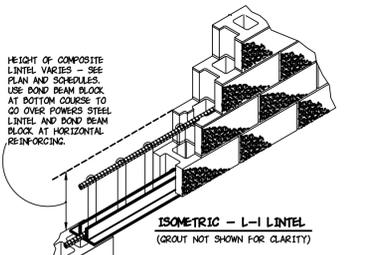
USE USP #USC GIRDER TIE CONNECTOR FOR UPLIFTS UP TO 6,170 LBS. WITH (2) 3/4" X 5" EXPANSION BOLTS.  
USE USP #USC GIRDER TIE CONNECTOR FOR UPLIFTS FROM 6,171 TO 11,510 LBS. WITH (4) 3/4" X 5" EXPANSION BOLTS.



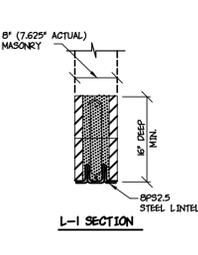
GIRDER TRUSS TO BLOCK DETAIL  
NOT TO SCALE



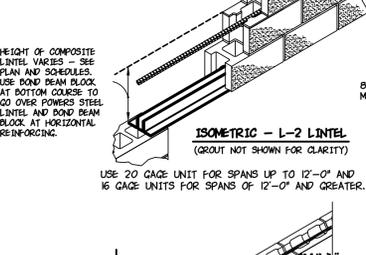
SECTION @ POWERS STEEL INTERSECTION  
NOT TO SCALE



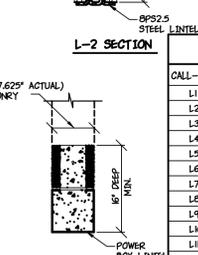
POWER STEEL  
ISOMETRIC - L-1 LINTEL



L-1 SECTION



POWER STEEL  
ISOMETRIC - L-2 LINTEL

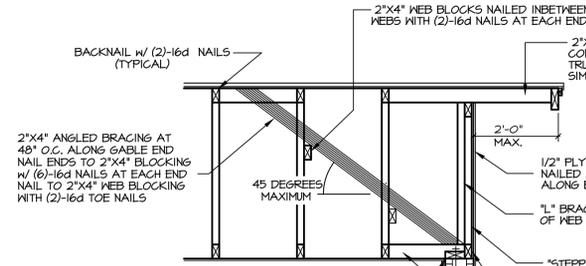


L-2 SECTION

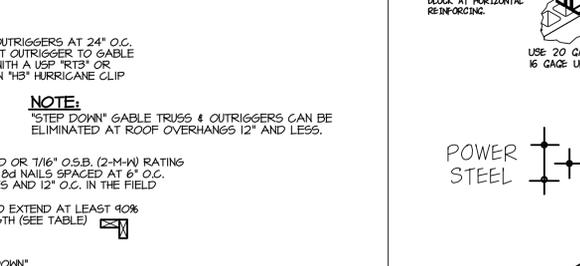
LINTEL LOAD CHART (16" DEEP SECTION)				
CALL-OUT	CLEAR SPAN	CONCRETE U-LINTEL	POWER STEEL	POWER STEEL BOX LINTEL
L1	1'-6"	4987 PLF (UNFILLED)	7070 PLF L-2	9655 PLF
L2	2'-2"	3435 PLF (UNFILLED)	6626 PLF L-2	6830 PLF
L3	2'-8"	2777 PLF (UNFILLED)	5296 PLF L-2	5549 PLF
L4	3'-2"	2332 PLF (UNFILLED)	4508 PLF L-2	4673 PLF
L5	4'-0"	1835 PLF (UNFILLED)	3535 PLF L-2	3699 PLF
L6	4'-6"	1624 PLF (UNFILLED)	3154 PLF L-2	3288 PLF
L7	5'-2"	2739 PLF **	2746 PLF L-2 **	2864 PLF **
L8	6'-2"	2271 PLF **	2298 PLF L-2 **	2400 PLF **
L9	7'-0"	1987 PLF **	2025 PLF L-2 **	2114 PLF **
L10	8'-0"	1723 PLF **	1768 PLF L-2 **	1827 PLF **
L11	9'-2"	1494 PLF **	1545 PLF L-2 **	1584 PLF **
L12	10'-0"	1254 PLF **	1414 PLF L-2 **	1419 PLF **
L13	10'-8"	1271 PLF **	1325 PLF L-2 **	1370 PLF **
L14	11'-2"	1200 PLF **	1230 PLF L-2 **	1291 PLF **
L15	12'-0"	1074 PLF **	1078 PLF L-2 **	1115 PLF **
L16	12'-8"	1044 PLF **	1116 PLF L-2 **	1136 PLF **
L17	13'-4"	1398 PLF ** P	1387 PLF ** S L-1	1364 PLF **
L18	14'-0"	1327 PLF ** P	1321 PLF ** S L-1	1299 PLF **
L19	16'-0"	1152 PLF ** P	1048 PLF ** S L-1	1137 PLF **
L20	18'-0"	1016 PLF ** P	828 PLF ** S L-1	960 PLF **
L21	18'-8"	977 PLF ** P	770 PLF ** S L-1	893 PLF **
L22	20'-0"	876 PLF ** P	629 PLF ** S L-1	784 PLF **
L23	22'-8"	789 PLF ** P	523 PLF ** S L-1	606 PLF **

\*\* DENOTES #5 REBAR X CONT. PLACED IN BOTTOM COURSE AND 16" DEEP BEAM POURED SOLID WITH 2,500 PSI CONCRETE.  
\*\* P DENOTES PRE-STRESSED U-LINTEL WITH #5 REBAR X CONT. PLACED IN BOTTOM COURSE & 16" DEEP BEAM POURED SOLID WITH 2,500 PSI CONCRETE.  
\*\* S DENOTES "POWER" STEEL L-1 LINTEL WITH #5 REBAR X CONT. PLACED IN BOTTOM COURSE & (6)-5/16" SMOOTH STIRRUPS AT 8" O.C. AT EACH END IN A 16" DEEP BEAM POURED SOLID WITH 2,500 PSI CONCRETE.

L BRACING REQUIREMENTS				
STUD SPACING	NO L-BRACING	(1) 2"x4" L-BRACING	(2) 2"x4" L-BRACING	(2) 2"x6" L-BRACING
16"	0'-0" TO 4'-5"	4'-5" TO 8'-0"	8'-0" TO 12'-0"	12'-0" TO 16'-0"
24"	0'-0" TO 4'-0"	4'-0" TO 7'-0"	7'-0" TO 10'-0"	10'-0" TO 14'-0"

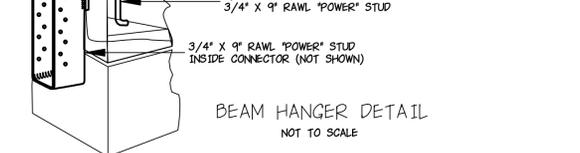


GABLE END SECTION  
FLAT CEILING  
SCALE: 3/4" = 1'-0"



GABLE END SECTION  
SCALE: 3/4" = 1'-0"

PRODUCT CODE	DIMENSIONS		DESIGN LOADS (LBS.)		
	H	W	NORMAL	MAX.	UPLIFT
USP #FM35X12L	11 1/4"	3 5/8"	5955	5955	3450
SIMPSON #MHA3.56/11.25"	11 1/4"	3 5/8"	5330	5330	3145

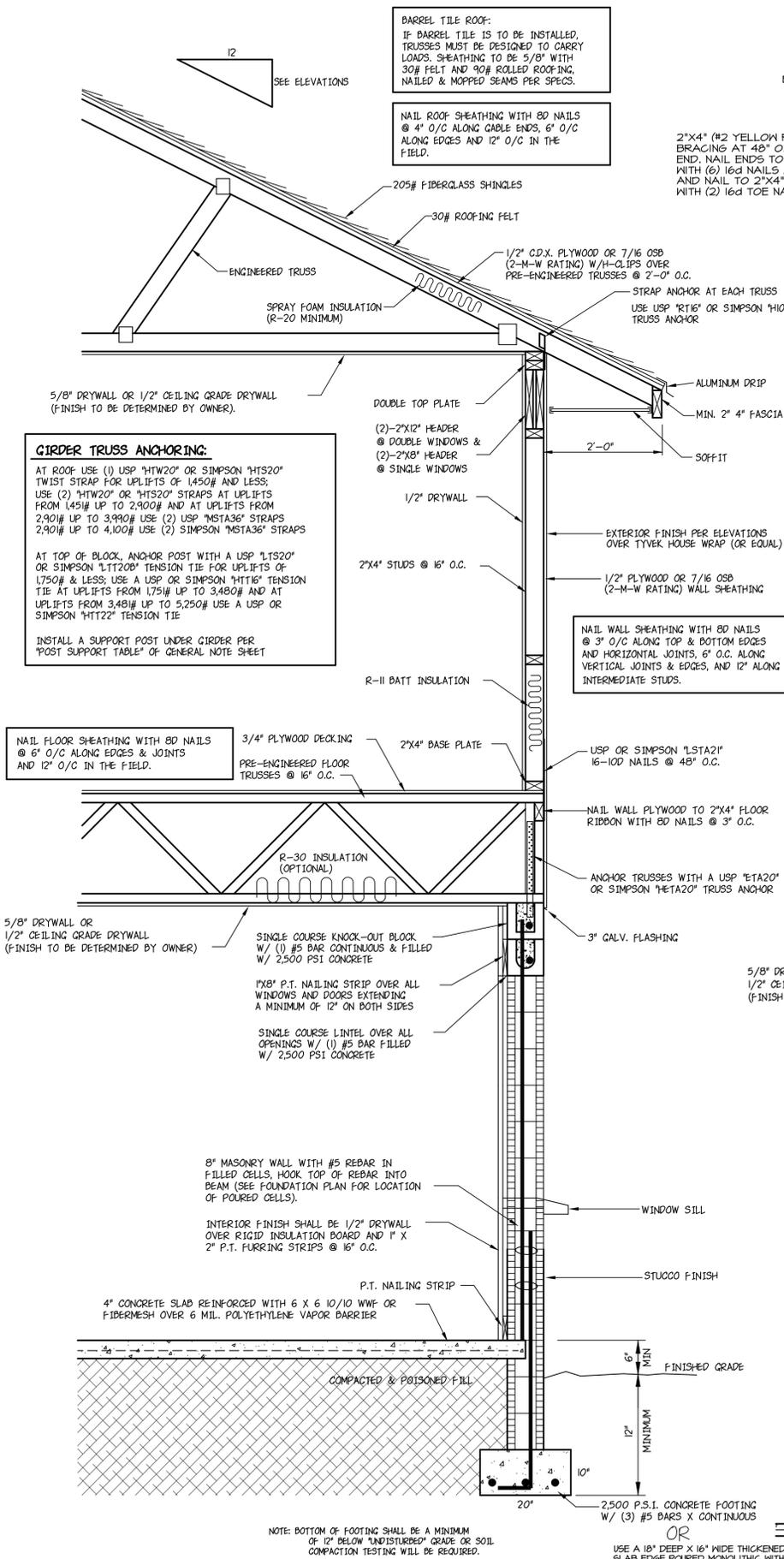


ENGINEER OF RECORD:  
**ARKAY ENGINEERING INC.**  
STRUCTURAL ENGINEERS  
1458 E. EDGEWOOD DRIVE LAKELAND, FLORIDA 33603  
PHONE: 863-668-6500 FAX: 863-668-6557  
STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION # EB6347  
RICHARD L. KIDDEY, P.E. - FLORIDA LICENSE # 37296

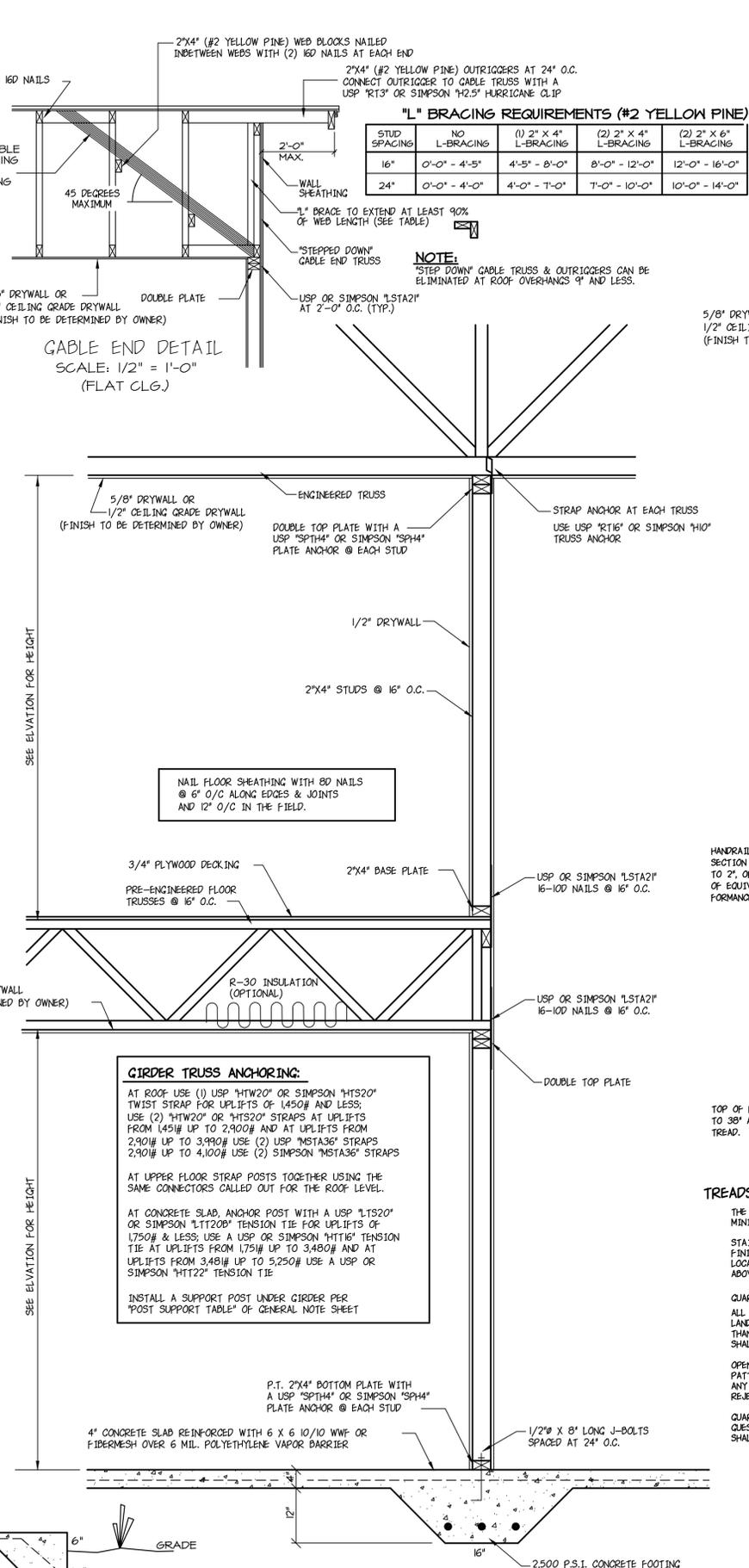
THE CONSTRUCTION PLANS SHOWN HEREON ARE IN COMPLIANCE WITH THE 2023 FLORIDA BUILDING CODE (RISK CATEGORY II) ALONG WITH THE ENTIRE 2023 FLORIDA BUILDING CODE, RESIDENTIAL 8TH EDITION.

Masonry Details  
(One Story Buildings)

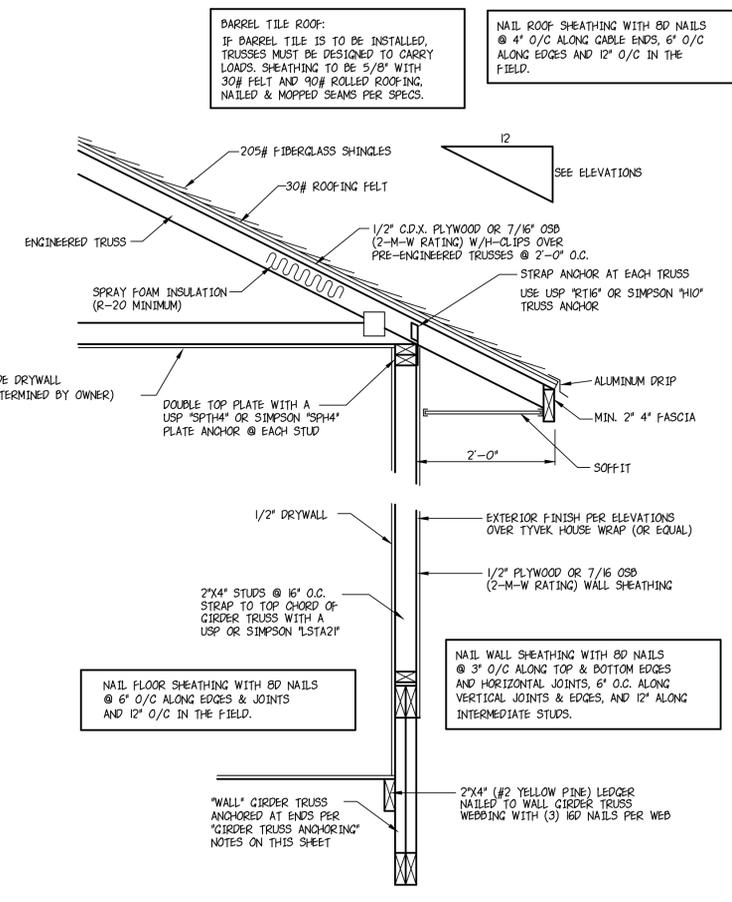
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SCALE: AS NOTED  
JOB # FBC2023-140  
SHEET  
**CB1**  
MODIFIED CATHEDRAL SPRAY FOAM  
PERMIT SET



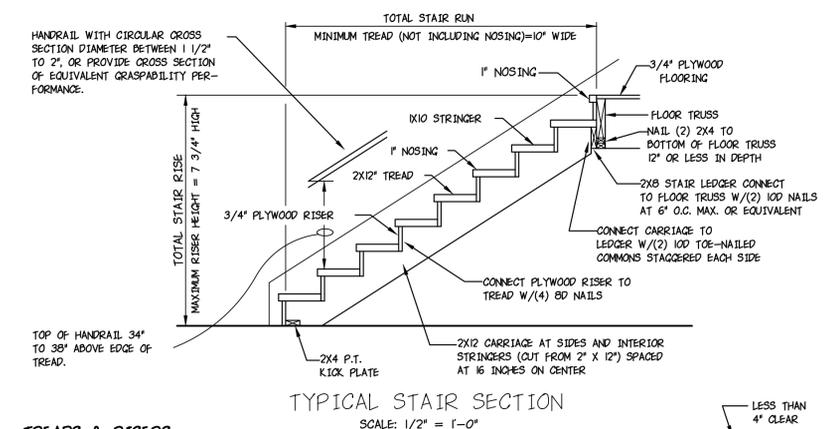
EXTERIOR (TWO) STORY WALL SECTION  
SCALE: 3/4" = 1'-0"



INTERIOR (TWO) STORY WALL SECTION  
SCALE: 3/4" = 1'-0"



"WALL" GIRDER SECTION  
SCALE: 3/4" = 1'-0"



TYPICAL STAIR SECTION  
SCALE: 1/2" = 1'-0"

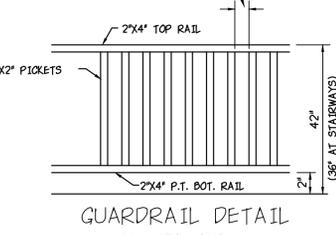
TREADS & RISERS:

THE HEIGHT OF RISERS SHALL BE 7 3/4 INCHES MAXIMUM AND 4 INCHES MINIMUM. TREADS SHALL BE NO LESS THAN 10 INCHES WIDE (EXCLUDING NOSING). STAIRWAYS HAVING FOUR OR MORE RISERS ABOVE A FLOOR OR FINISHED GROUND LEVEL SHALL BE EQUIPPED WITH HANDRAILS LOCATED NOT LESS THAN 34 INCHES ABOVE FINISHED GROUND LEVEL OR A FLOOR BELOW ABOVE THE LEADING EDGE OF A TREAD.

QUADRAILS:  
ALL UNENCLOSED FLOOR & ROOF OPENINGS, OPEN & GLAZED SIDES OF LANDINGS, STAIRS, RAMPS, BALCONIES AND PORCHES WHICH ARE MORE THAN 30 INCHES ABOVE FINISHED GROUND LEVEL OR A FLOOR BELOW SHALL BE PROTECTED BY A QUADRAIL.

OPEN QUADRAILS SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL PATTERN SUCH THAT A 4-INCH DIAMETER SPHERE CAN NOT PASS THROUGH ANY OPENING. A BOTTOM RAIL OR CURB SHALL BE PROVIDED THAT WILL REJECT THE PASSAGE OF 2-INCH DIAMETER SPHERE.

QUADRAILS FOR DWELLINGS, WITHIN INDIVIDUAL DWELLING UNITS OR QUEST ROOMS, AND IN RESIDENTIAL CARE/ASSISTED LIVING OCCUPANCIES SHALL BE A MINIMUM OF 36 INCHES HIGH.



GUARDRAIL DETAIL  
SCALE: 1/2" = 1'-0"

BARREL TILE ROOF:  
IF BARREL TILE IS TO BE INSTALLED, TRUSSES MUST BE DESIGNED TO CARRY LOADS. SHEATHING TO BE 5/8" WITH 30# FELT AND 90# ROLLED ROOFING, NAILED & MOPPED SEAMS PER SPECS.

NAIL ROOF SHEATHING WITH 8D NAILS @ 4" O/C ALONG GABLE ENDS, 6" O/C ALONG EDGES AND 12" O/C IN THE FIELD.

BACKNAIL / (2) 16D NAILS (TYPICAL)

2"x4" (#2 YELLOW PINE) ANGLED BRACINGS AT 48" O.C. ALONG GABLE END. NAIL ENDS TO 2"x4" BLOCKING WITH (6) 16d NAILS AT EACH END AND NAIL TO 2"x4" WEB BLOCKING WITH (2) 16d TOE NAILS

"L" BRACING REQUIREMENTS (#2 YELLOW PINE)

STUD SPACING	NO L-BRACING	(1) 2" X 4" L-BRACING	(2) 2" X 4" L-BRACING	(2) 2" X 6" L-BRACING
16"	0'-0" - 4'-5"	4'-5" - 8'-0"	8'-0" - 12'-0"	12'-0" - 16'-0"
24"	0'-0" - 4'-0"	4'-0" - 7'-0"	7'-0" - 10'-0"	10'-0" - 14'-0"

NOTE:  
"STEP DOWN" GABLE TRUSS & OUTRIGGERS CAN BE ELIMINATED AT ROOF OVERHANGS 9' AND LESS.

BARREL TILE ROOF:  
IF BARREL TILE IS TO BE INSTALLED, TRUSSES MUST BE DESIGNED TO CARRY LOADS. SHEATHING TO BE 5/8" WITH 30# FELT AND 90# ROLLED ROOFING, NAILED & MOPPED SEAMS PER SPECS.

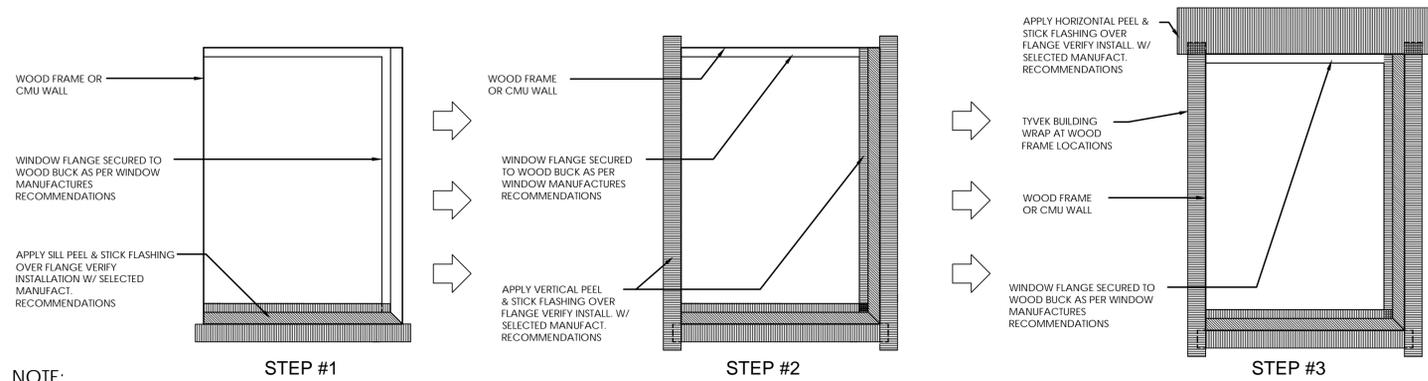
NAIL ROOF SHEATHING WITH 8D NAILS @ 4" O/C ALONG GABLE ENDS, 6" O/C ALONG EDGES AND 12" O/C IN THE FIELD.

ENGINEER OF RECORD:  
**ARKAY ENGINEERING INC.**  
STRUCTURAL ENGINEERS  
1456 E. EDGEWOOD DRIVE LAKELAND, FLORIDA 33603  
PHONE: 863-688-6500 FAX: 863-688-6551  
STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION # EB6347  
RICHARD L. KIDDEY, P.E. - FLORIDA LICENSE # 37246

THE CONSTRUCTION PLANS SHOWN HEREON ARE IN CONFORMANCE WITH CHAPTER 16, SECTION 1604 OF THE 2023 FLORIDA BUILDING CODE 8TH EDITION FOR IBC IBC, ULTIMATE DESIGN KIND SPEED BUILDING CODE, RESIDENTIAL 8TH EDITION.

Masonry Details  
(Two Story Buildings)

DATE: 1-12-24  
SCALE: AS NOTED  
JOB # FBC2023-140B  
SHEET  
**CB2**  
SPRAY FOAM  
PERMIT SET



NOTE:

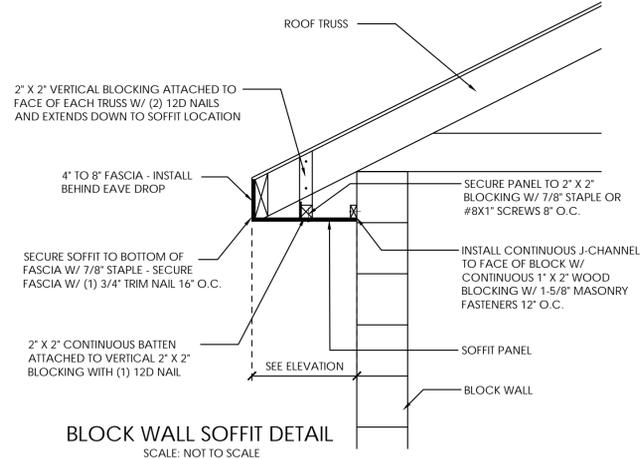
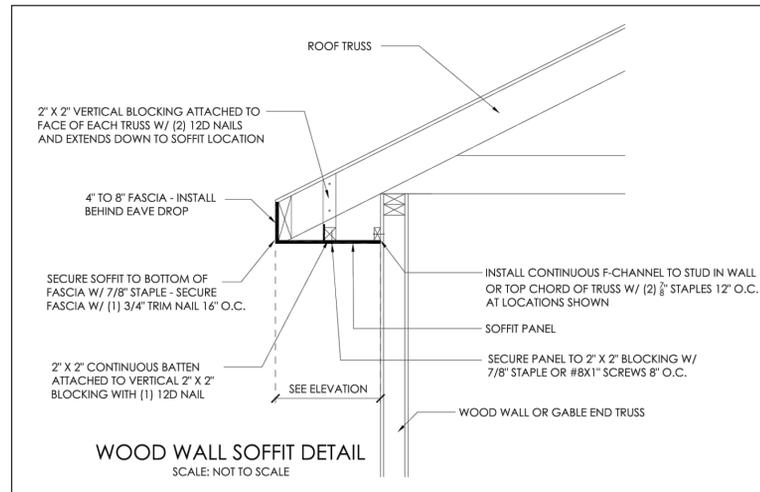
CONTRACTOR TO FLASH AND SEAL ALL WINDOW AND DOOR OPENINGS PER THE MANUFACTURER'S RECOMMENDATION AND SHALL PROVIDE A COMPLETE WATER TIGHT SEAL.

**FLASHING NOTES:**

PROVIDE CORROSION-RESISTIVE FLASHING IN THE EXTERIOR WALL ENVELOPE TO PREVENT ENTRY OF WATER INTO THE WALL CAVITY OR PENETRATION OF WATER TO THE BUILDING STRUCTURAL FRAMING COMPONENTS. THE FLASHING SHALL EXTEND TO THE SURFACE OF THE EXTERIOR WALL FINISH AND SHALL BE INSTALLED TO PREVENT WATER FROM REENTERING THE EXTERIOR WALL ENVELOPE. APPROVED CORROSION-RESISTANT FLASHINGS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:

1. AT THE TOP OF ALL EXTERIOR WINDOWS AND DOOR OPENINGS IN SUCH A MANNER AS TO BE LEAK-PROOF, EXCEPT THAT SELF-FLASHING WINDOWS HAVING CONTINUOUS LAP OF NOT LESS THAN 1 1/8 INCH OVER THE SHEATHING MATERIAL. AROUND THE PERIMETER OF THE OPENING, INCLUDING CORNERS, DO NOT REQUIRE ADDITIONAL FLASHING; JAMB FLASHING MAY ALSO BE OMITTED WHEN SPECIFICALLY APPROVED BY THE BUILDING OFFICIAL.
2. AT THE INTERSECTION OF CHIMNEYS OR OTHER MASONRY CONSTRUCTION WITH FRAME OR STUCCO WALLS, WITH PROJECTING LIPS ON BOTH SIDES UNDER STUCCO COPINGS.
3. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS.
4. CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM.
5. WHERE EXTERIOR PORCHES, DECKS OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY OF WOOD-FRAMED CONSTRUCTION.
6. AT WALL AND ROOF INTERSECTIONS.

**EXTERIOR DOOR & WINDOW FLASHING**



**ROOF-TO-WALL FLASHING NOTES:**

4" X 5" ANGLE FLASHING - 26 GAUGE GALVANIZED METAL, RUBBER VALLEY FLASHING OR 12" WIDE - 26 GAUGE GALVANIZED METAL WITH SHINGLES OVER THE TOP.

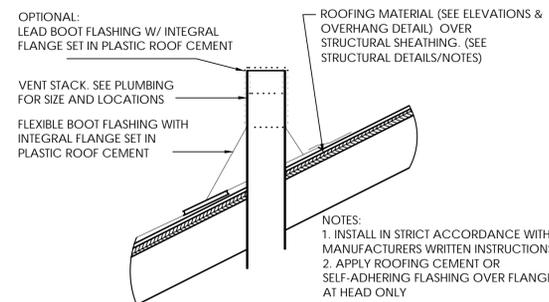
**MATERIAL SPECIFICATIONS:**

UNDERLAYMENT SHALL CONFORM TO ASTM D226, TYPE II OR ASTM 4869, TYPE III AND SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER. UNDERLAYMENT SHALL BE APPLIED SHINGLED FASHION, PARALLEL TO & STARTING FROM THE EAVE & LAPPED 2" (51MM), FASTENED W/ 1" (25MM) ROUND PLASTIC CAP, METAL CAP NAILS OR TIN-TABS ATTACHED TO A NAILABLE DECK W/ TWO STAGGERED ROWS IN THE FIELD OF THE SHEET W/ A MAXIMUM FASTENER SPACING OF 12" (305MM) O.C., AND ONE ROW AT THE OVERLAPS FASTENED 6" (152MM) O.C.

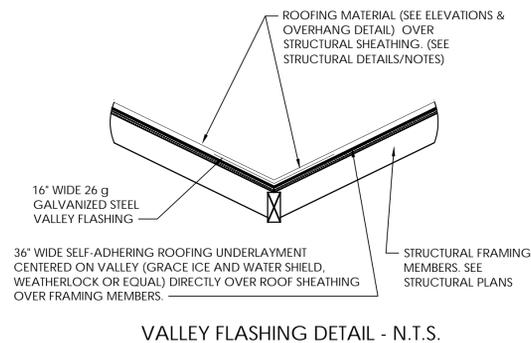
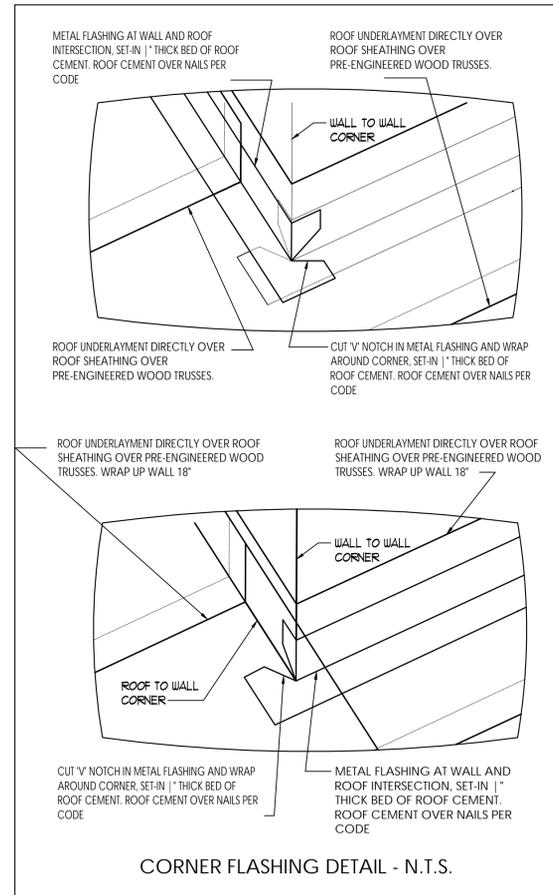
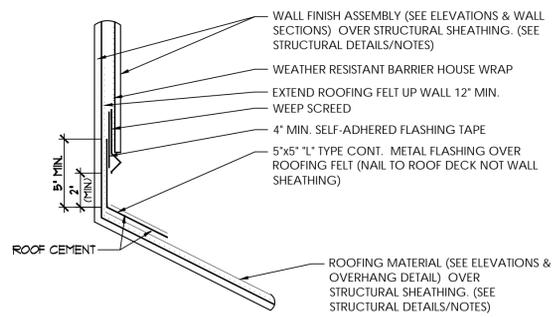
SYNTHETIC UNDERLAYMENT SHALL BE FASTENED IN ACCORDANCE W/ THIS SECTION & THE MANUFACTURER'S RECOMMENDATIONS.

FLASHING FOR ASPHALT SHINGLES SHALL COMPLY WITH FBC R903.2.4 ASPHALT SHINGLES SHALL COMPLY TO ASTM D7158-CLASS G OR H, OR ASTM D3161-CLASS F, TABLE R905.2.6.1.

**ROOF SHINGLE & FLASHING INSTALLATION SPEC'S**  
NOT TO SCALE



**ROOF PENETRATION FLASHING DETAIL - N.T.S.**



ENGINEER OF RECORD:  
**ARKAY ENGINEERING INC.**  
STRUCTURAL ENGINEERS  
1950 E. EDGEWOOD DRIVE LAKELAND, FLORIDA 39803  
PHONE: 863-668-6500 FAX: 863-668-6957  
STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION # EB6347  
RICHARD L. KIDDY, P.E. - FLORIDA LICENSE # 37246

THE CONSTRUCTION PLANS SHOWN HEREON ARE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE, 2023 FLORIDA BUILDING CODE 8TH EDITION FOR 140 MPH ULTIMATE DESIGN WIND SPEED (RISK CATEGORY II) ALONG WITH THE ENTIRE 2023 FLORIDA BUILDING CODE, RESIDENTIAL 8TH EDITION.

**FLASHING DETAILS**

DATE: 5-9-24  
SCALE: AS NOTED  
JOB # FBC2023-140  
SHEET  
**F**  
PERMIT SET