

CUSTOM HOME ROR HASEMANN RESIDENCE SEVIERVILLE, TENNESSEE



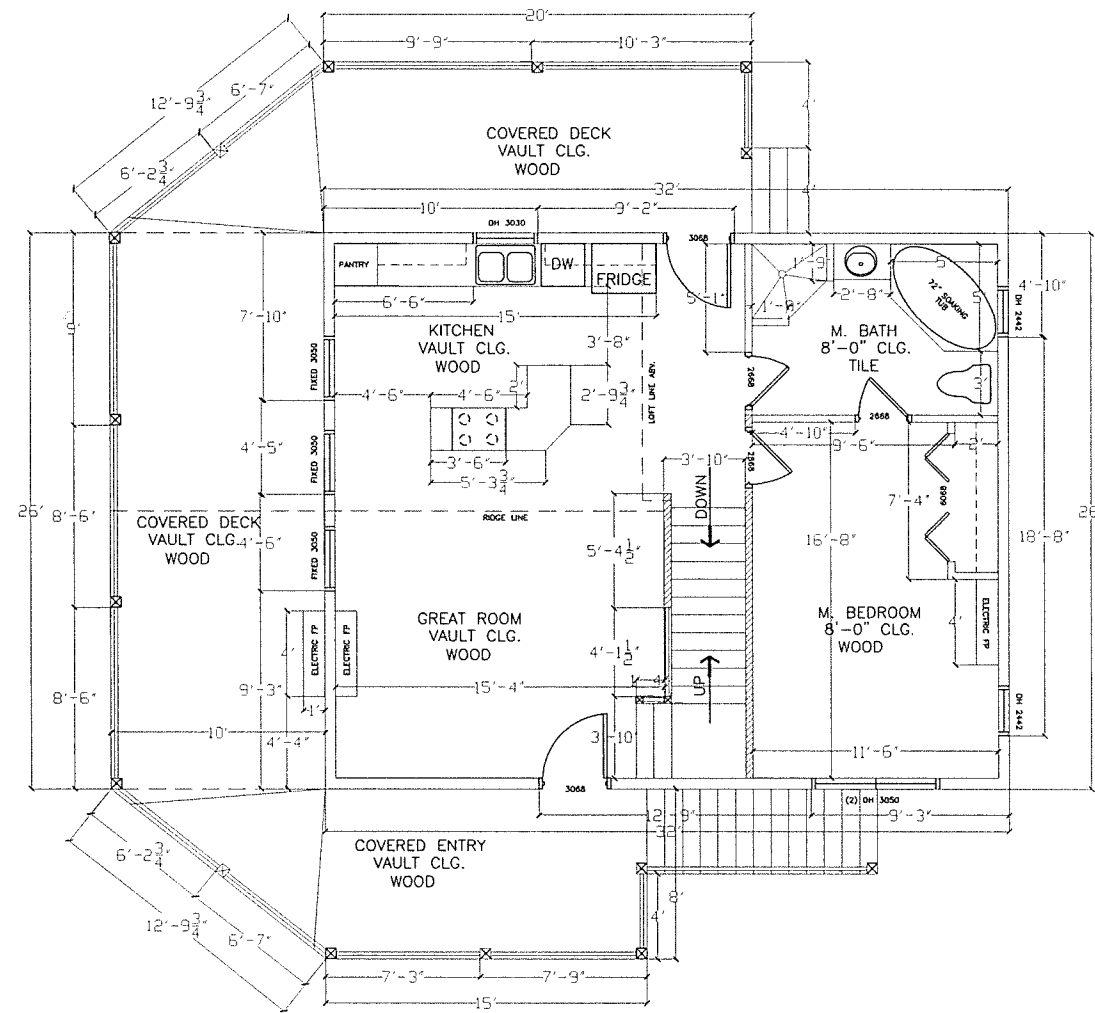
OWNER:
MIKE HASEMANN
SEVIERVILLE, TN. 37786

GENERAL NOTES:

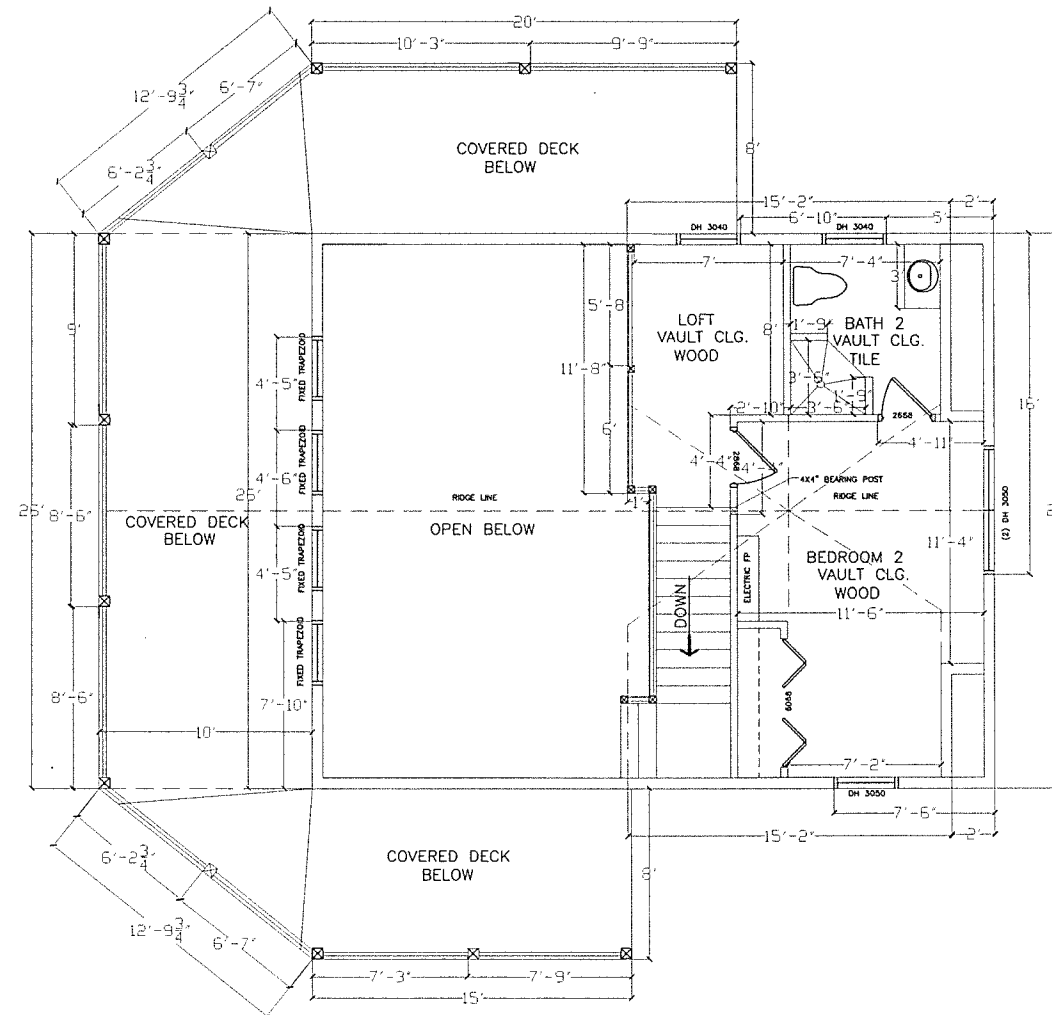
- 1) ALL WORK MUST COMPLY WITH CURRENTLY ADOPTED VERSIONS OF APPLICABLE CODES, INCLUDING, BUT NOT NECESSARILY LIMITED TO THE INTERNATIONAL RESIDENTIAL CODE 2018. SHOULD CONFLICTS ARISE BETWEEN ANY CODE REQUIREMENTS AND INFORMATION SHOWN ON THESE DRAWINGS, THE APPLICABLE CODE SHALL GOVERN.
- 2) TO THE BEST OF OUR KNOWLEDGE, THESE PLANS COMPLY WITH APPLICABLE BUILDING CODES
- 3) THESE DRAWINGS ARE TO BE CONSIDERED A CONTRACTORS PERMIT DOCUMENT AND ARE NOT INTENDED TO COVER ALL AREAS OF THE CONTRACTUAL AGREEMENT BETWEEN THE OWNER AND THE CONTRACTOR. SPECIFIC MATERIALS, FINISHES, ALLOWANCES, ETC. NOT COVERED BY THESE PLANS SHOULD BE INCLUDED IN WRITTEN AGREEMENT BETWEEN THE OWNER AND THE CONTRACTOR.
- 4) DIFFERING SITE CONDITIONS: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. IF A DIMENSIONAL ERROR OCCURS OR A CONDITION NOT COVERED IN THE DRAWINGS IS ENCOUNTERED, CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE COMMENCING WITH THAT PORTION OF THE WORK.
- 5) CONTRACTOR SHALL SUPPLY ALL NECESSARY TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION.
- 6) TYPICAL DETAILS APPLY, WHETHER SPECIFICALLY REFERRED TO OR NOT IN THE DRAWING AND SPECIFICATIONS.
- 7) ANY DEVIATION FROM THESE GENERAL NOTES OR FROM THE MATERIALS, SPECIFICATIONS, AND TECHNIQUES INDICATED ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE VERIFIED BY THE ENGINEER AS ACCEPTABLE TO THE BUILDING OFFICIAL HAVING JURISDICTION BEFORE EXECUTION.

APPLICABLE CODES:

2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL RESIDENTIAL CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2018 NFPA 101 LIFE SAFETY CODE
2018 INTERNATIONAL FIRE CODE



MAIN FLOOR PLAN



2ND FLOOR PLAN

FLOOR PLAN

AREAS

MAIN FLOOR	832 SF
LOWER FLOOR	832 SF
2ND FLOOR	355 SF
COV. DECK	720 SF
COV. ENTRY	160 SF

TOTAL LIVING SF. 2,090 SF
TOTAL 2,613 SF

DRAWN BY:
CRAIG OLSON
630 RADER LANE
GREENVILLE TN, 37743
PHONE: 423-329-2064

A CUSTOM HOME FOR:
HASENANZ
RESIDENCE
FLOOR PLAN

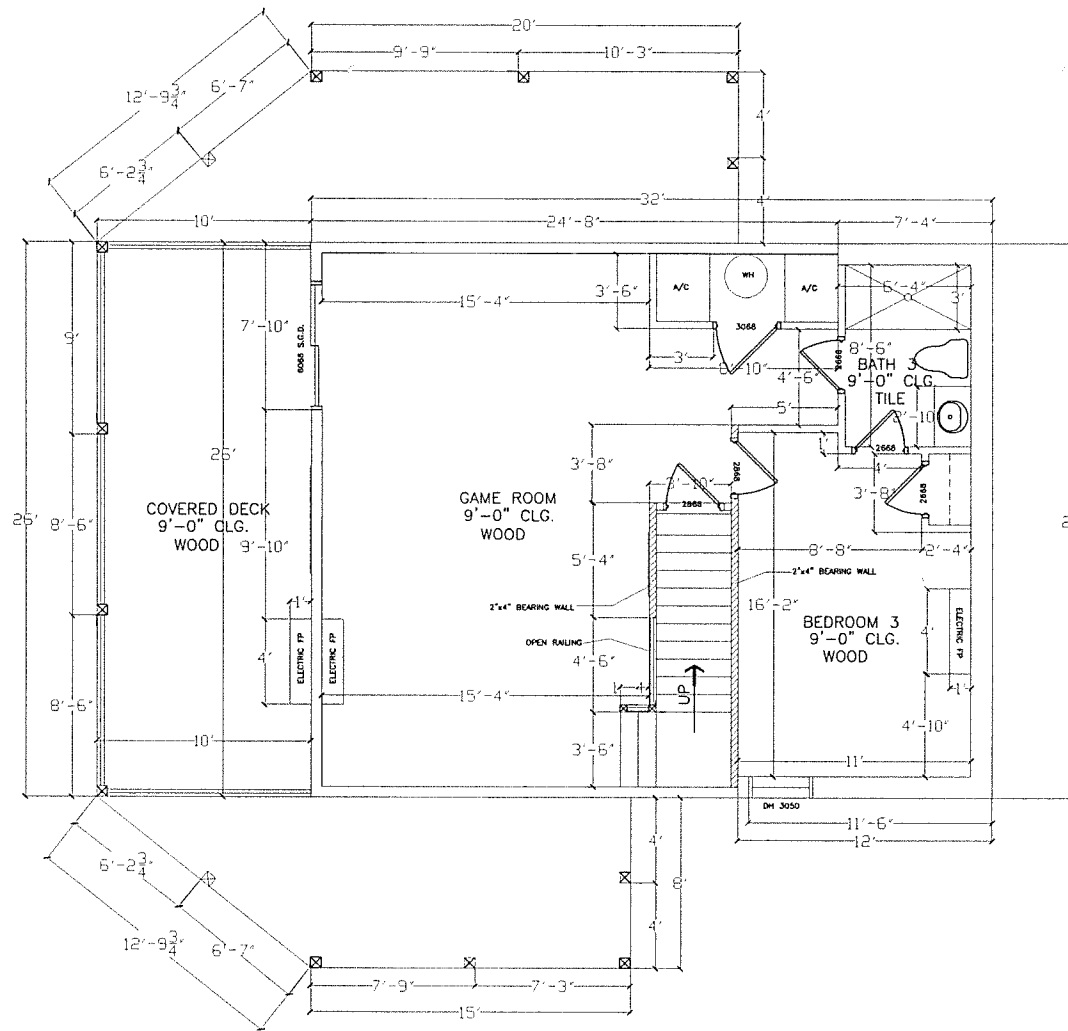
PLAN DATE: 1/14/22
REV. DATE:

IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2018
BASED ON THE DESIGN CRITERIA LISTED BELOW:
WIND SPEED: 90 mph (1 sec. avg)
SEISMIC: 0.2
SLOPE: 0%
SOIL: 1.5
WIND EXPOSURE: B
WIND PROTECTION: 15 ft
COUNTRY: USA
CLIMATE: CONTINENTAL
SOUNDING: 0 PSF
FLOOR LOAD: 40 PSF
ROOF LOAD: 20 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 10 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 20 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 30 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 40 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 50 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 60 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 70 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 80 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 90 PSF
UNWEIGHTED AVERAGE WIND VELOCITY: 100 PSF

PROJECT NO. 1
DATE: 1/14/22
DRAWN BY: C. OLSON
SHEET NO:

B-1

----- 2x BEARING WALL



LOWER FLOOR PLAN

FLOOR PLAN

AREAS

MAIN FLOOR	832 SF
LOWER FLOOR	832 SF
2ND FLOOR	355 SF
COV. DECK	720 SF
COV. ENTRY	160 SF

TOTAL LIVING SF. 2,090 SF
TOTAL 2,613 SF

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PHONE: 423-329-2064

A CUSTOM HOME FOR:
**HASEMANN
RESIDENCE**
FLOOR PLAN

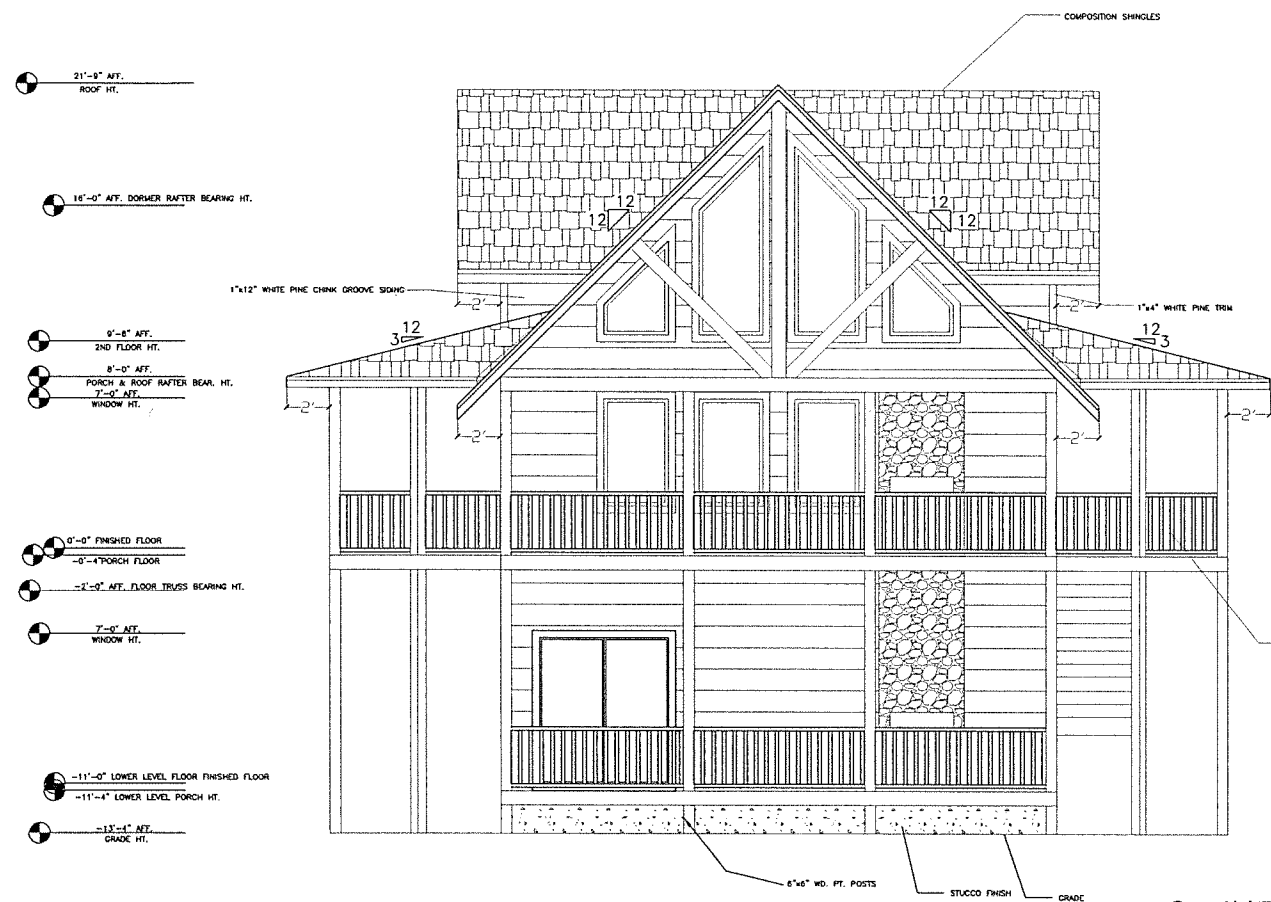
PLAN DATE: 1/14/22
REV. DATE:

IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2018 EDITION, THE DESIGN CRITERIA ARE AS FOLLOWS:
 BUILDING CATEGORY: R-2 (S.E.C. 907)
 WIND SPEED: 115 mph
 WINDING PRESSURE COEFFICIENT: 1/7, 0.18
 CEILING HEIGHT: 8'-0" (S.E.C. 907)
 CEILING OVER HUNG: 10 psf
 FLOORING: 10 psf
 FLOORING OVER DECK: 10 psf
 FLOORING OVER PATIO: 10 psf
 FLOORING OVER TERRACE: 10 psf
 FLOORING OVER STAIRS: 10 psf
 UNINSULATED ROOF: 20 psf
 INSULATED ROOF: 15 psf
 ALL OTHER AREAS: 20 psf

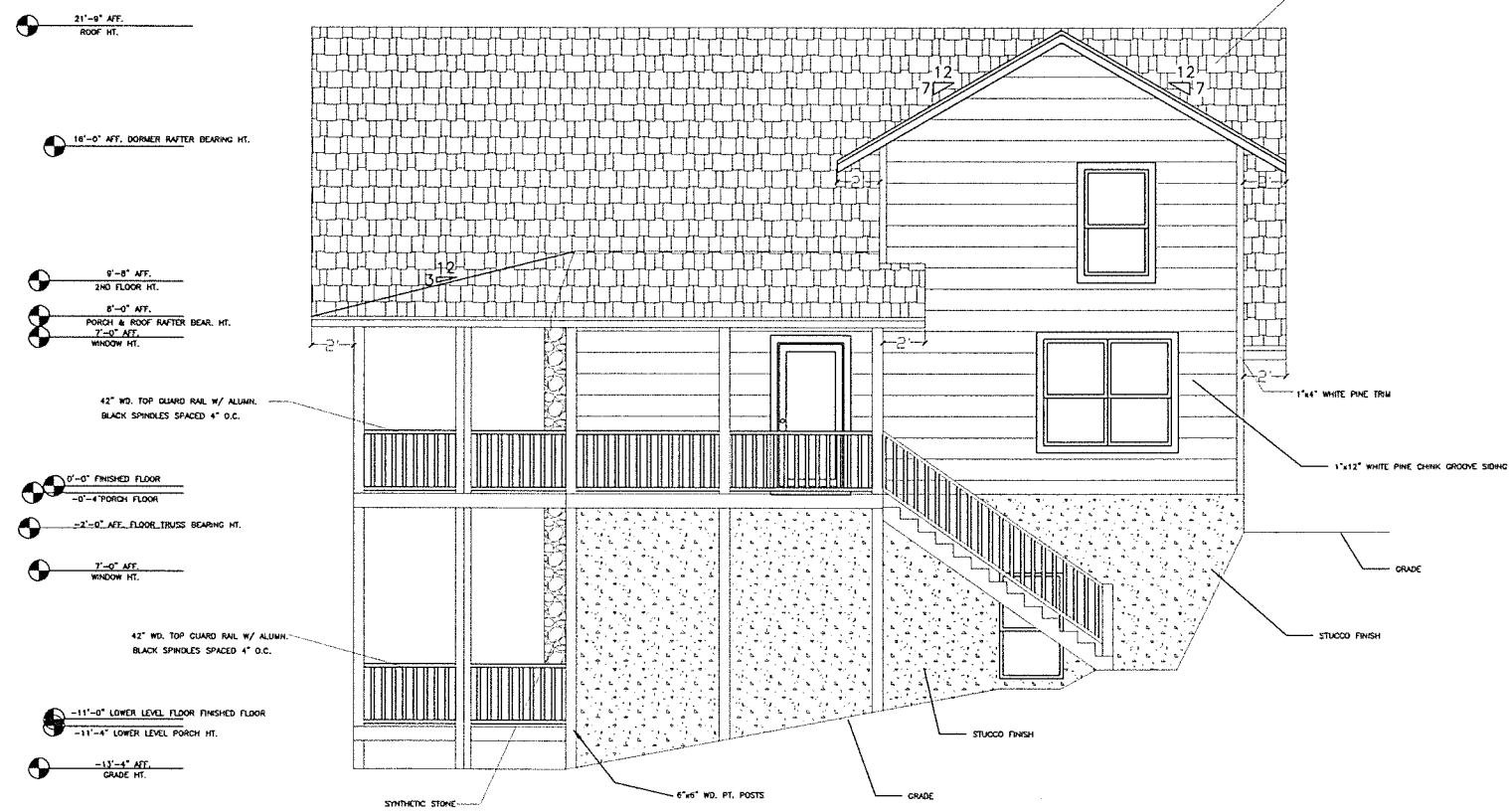
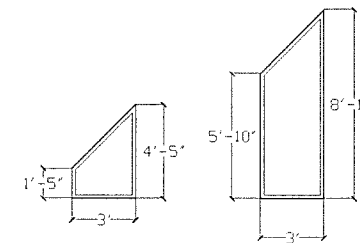
PROJECT NO. 1
DATE: 1/14/22
DRAWN BY: C. OLSON

SHEET NO:
B-1.2

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



FRONT ELEVATION



RIGHT ELEVATION

ELEVATIONS

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

AREAS

MAIN FLOOR	832 SF.
LOWER FLOOR	832 SF.
2ND FLOOR	355 SF.
COV. DECK	720 SF.
COV. ENTRY	160 SF.

TOTAL LIVING SF. 2,090 SF.
TOTAL 2,613 SF.

DRAWN BY:
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630 RADER LANE
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PHONE: 423-329-2064

A CUSTOM HOME FOR:
HASEMAN
RESIDENCE
ELEVATION PLAN

PLAN DATE: 1/14/22
REV. DATE:

IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE BOOK EDITION, THE DESIGN CRITERIA ARE AS FOLLOWS:
BUILDING OFFICIAL: 90 mm (3 1/2 IN) GIB
WIND LOADS: 90 mph (15.24 m/s)
SEISMIC DESIGN CATEGORY: II
FLOOR LIVE LOAD (PLF) UNIFORM STORAGE: 10 PSF
UNIFORM STORAGE: 20 PSF
ALL OTHER AREAS: 20 PSF

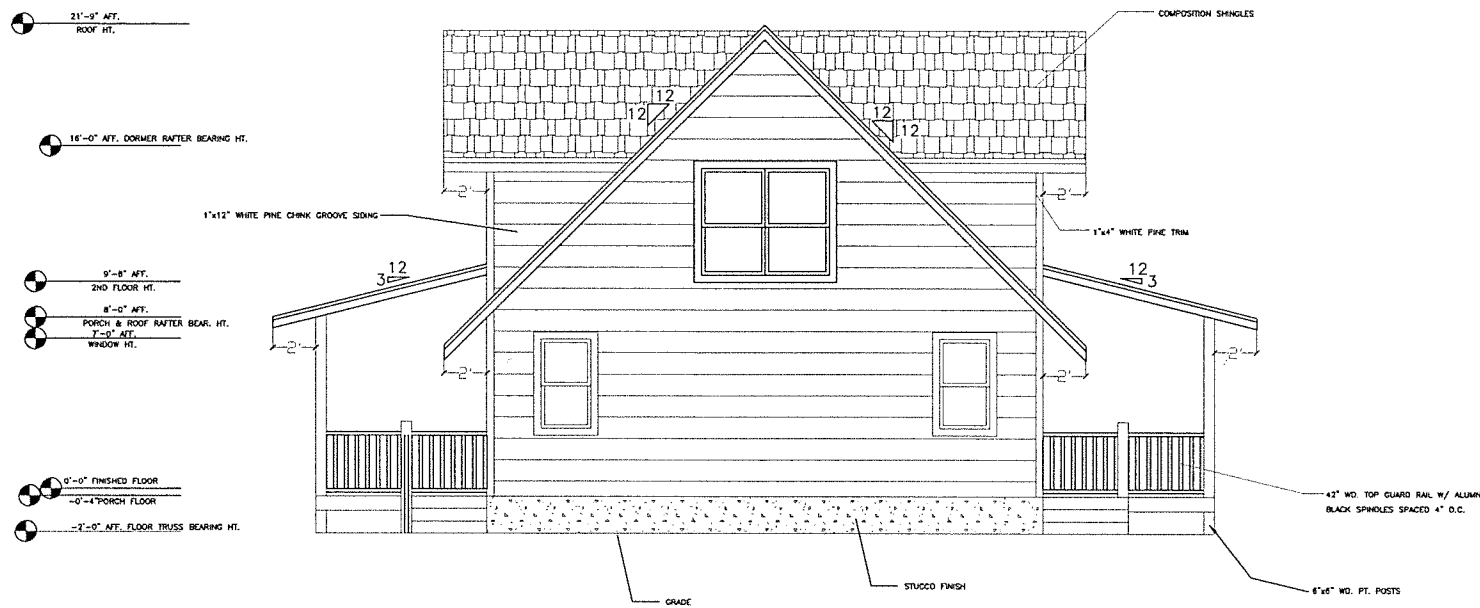
PROJECT NO. 1

DATE: 1/14/22

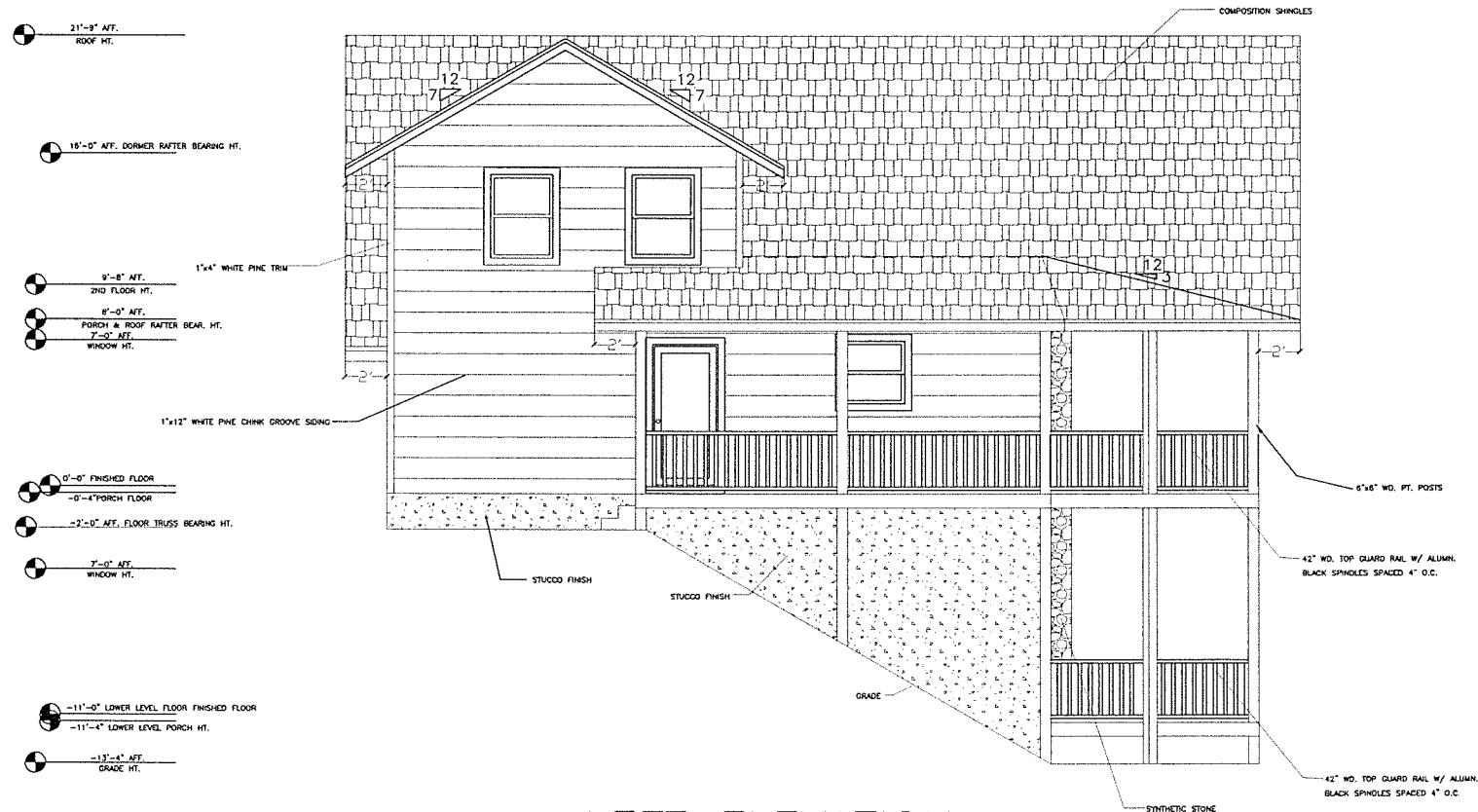
DRAWN BY: C. OLSON

SHEET NO.:

B-2



REAR ELEVATION



LEFT ELEVATION

ELEVATIONS

AREAS

MAIN FLOOR	832 SF
LOWER FLOOR	832 SF
2ND FLOOR	355 SF
COV. DECK	720 SF
COV. ENTRY	160 SF

TOTAL LIVING SF. 2,090 SF
TOTAL 2,613 SF

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A CUSTOM HOME FOR:
HASEMANNE
RESIDENCE
ELEVATION PLAN

PLAN DATE: 1/14/22
REV. DATE:

IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2018
EDITION THE DESIGN CRITERIA ARE AS FOLLOWS:
BUILDING CODE: IRC (2018)
WIND SPEED: 110 MPH (1 SEC. 30)
SEISMIC DESIGN CATEGORY: C
FLOOR LIVE LOAD: 40 PSF
ROOF LIVE LOAD: 20 PSF
ROOF DEAD LOAD: 10 PSF
UNINHABITABLE ATTIC WITHOUT STORAGE: 10 PSF
UNINHABITABLE ATTIC WITH STORAGE: 20 PSF
HANDRAILS AND SILLING PLACES: 10 PSF
ROOF LIVE LOAD: 20 PSF

PROJECT NO. 1
DATE: 1/14/22
DRAWN BY: C. OLSON
SHEET NO:
B-2.1

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

AREAS

MAIN FLOOR	832 SF
LOWER FLOOR	832 SF
2ND FLOOR	355 SF
COV. DECK	720 SF
COV. ENTRY	160 SF
TOTAL LIVING SF. 2,090 SF	
TOTAL 2,613 SF	

DRAWN BY:
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 630 RADER LANE
 GREENEVILLE TN, 37743
 PHONE: 423-329-2064

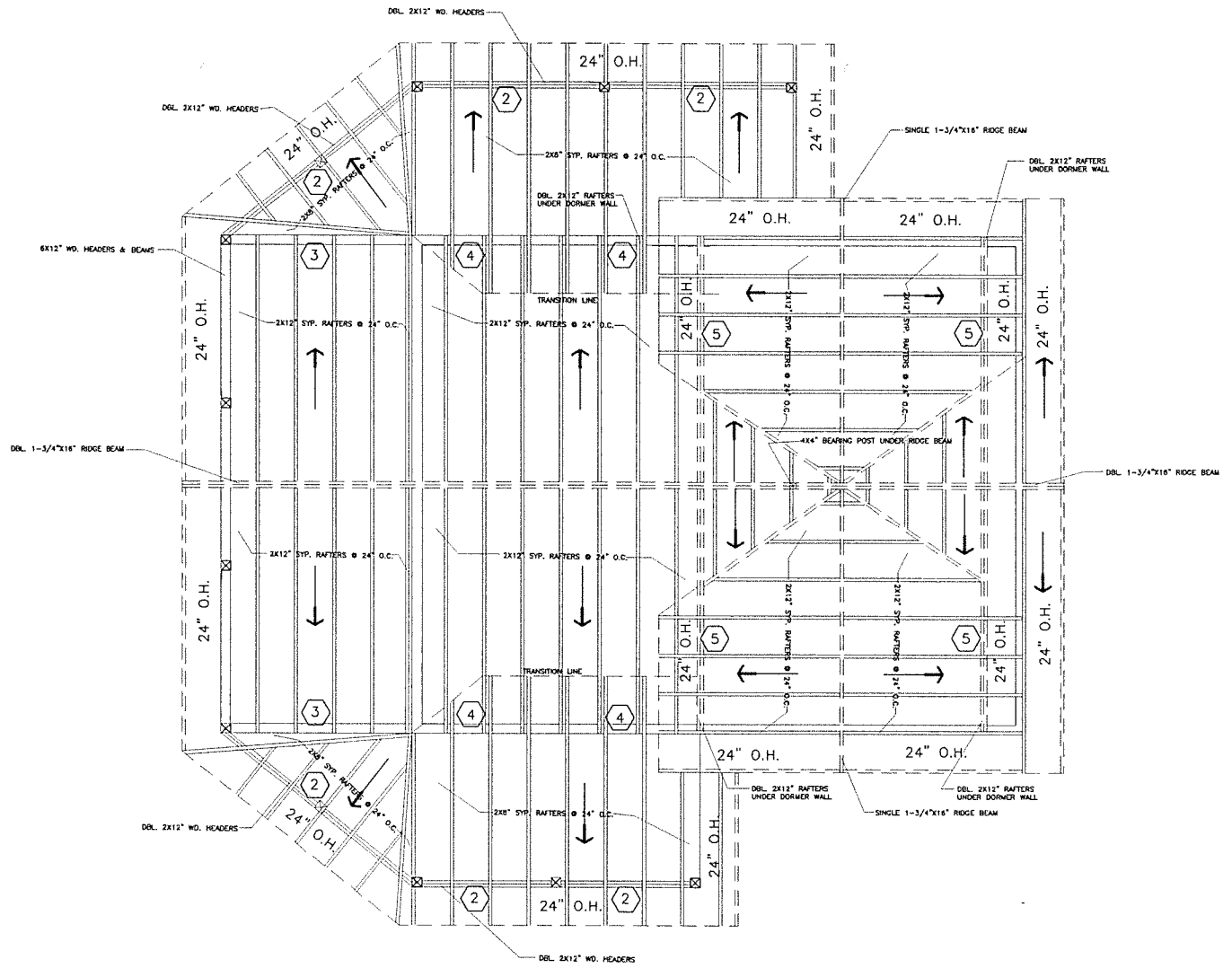
A CUSTOM HOME FOR:
 HASEMANCE
 RESIDENCE
 ROOF PLAN

PLAN DATE: 1/14/22
 REV. DATE:

IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2018
 DESIGN CRITERIA SHALL FOLLOW:
 WIND EXPOSURE: 90 mph (3 SEC. GUST)
 COLLECTED WIND SPEED: 115 mph
 COEFFICIENT: 1.15
 EXPOSURE CATEGORY: B
 FLOOR LIVE LOAD (PSF): 10
 UNINHABITABLE ATTIC WITHOUT STORAGE: 20
 UNINHABITABLE ATTIC WITH STORAGE: 30
 UNINHABITABLE ATTIC WITH SLEEPING PORCH: 30
 ROOF LIVE LOAD: 20 PSF

PROJECT NO. 1
 DATE: 1/14/22
 DRAWN BY: C. OLSON
 SHEET NO:
 B-3

2X12" SYP. NO. 2 WD. RAFTERS
 @ 24" O.C.



ROOF NOTES

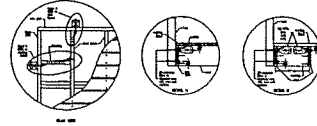
- WHERE MULTIPLE TIES ARE AT ONE BEARING PLATE, TIES TO BE ANCHORED AT OPPOSING SIDES OF THE BEARING PLATE TO MAXIMIZE SEPARATION OF NAILING PATTERNS
 - DBL 2X12"(D) WD. PINE HEADER BEAM BEAR HT. @ 8'-0" A.F.F.
 - 6X12"(D) WD. PINE HEADER BEAM BEAR HT. @ 8'-0" A.F.F.
 - 8'-0" RAFTER BEARING HT. A.F.F.
 - 16'-0" DORMER RAFTER BEARING HT. A.F.F.
- NOTE:
 ALL RAFTERS ARE SOUTHERN YELLOW PINE
 MAIN RIDGE BEAM FIGURED AS
 DBL. 1-3/4"X16" LVL BEAM
- SHEATHING NAILING SCHEDULE @ GABLE END
 5/8" CDX PLYWOOD SHEATHING
 W/ 8d NAILED AS FOLLOWS:
 4" O.C. ALL EDGES AND TOP & BOTTOM CORD MEMBER
 6" O.C. ALL INTERMEDIATE WEBBING

JACK POST SCHEDULE (SIMPSON)

POST POST	ANCHOR	POST ANCHOR		TRUSS TIE TO POST		MAX UPLIFT
		FASTENERS	POST	FASTENERS	TRUSS	
JP1	2-2X4	LIT 200	1/2" WEDGE-ALL FRCT.-FIT A.B. EMBED. 4 1/2"	10-184	(2) MTS 12	7-104 EA. 1750
JP2	3-2X4	HTT 22	5/8" WEDGE-ALL FRCT.-FIT A.B. EMBED. 5 1/2"	32-184	(3) MTS 12	7-104 EA. 3000
JP3	3-2X4	HTT 22	5/8" WEDGE-ALL FRCT.-FIT A.B. EMBED. 5 1/2"	32-184	MST 37	21-164 EA. 3615
JP4	4-2X4	HTT 22	5/8" A.B. EMBED. 5" EPOXY-TYPE CEMENT	32-184	(2) MST 27	15-164 EA. 4375
JP5	5-2X4	(2) HTT 22	5/8" A.B. EMBED. 3" EPOXY-TYPE CEMENT	32-166	(2) MST 37	21-164 EA. 7830
JP6	5-2X4	(2) HTT 22	5/8" THREADED ROD EMBED. 10" EPOXY-TYPE CEMENT	32-166	(2) MST 48	23-164 EA. 8920

ROOF FRAMING PLAN

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



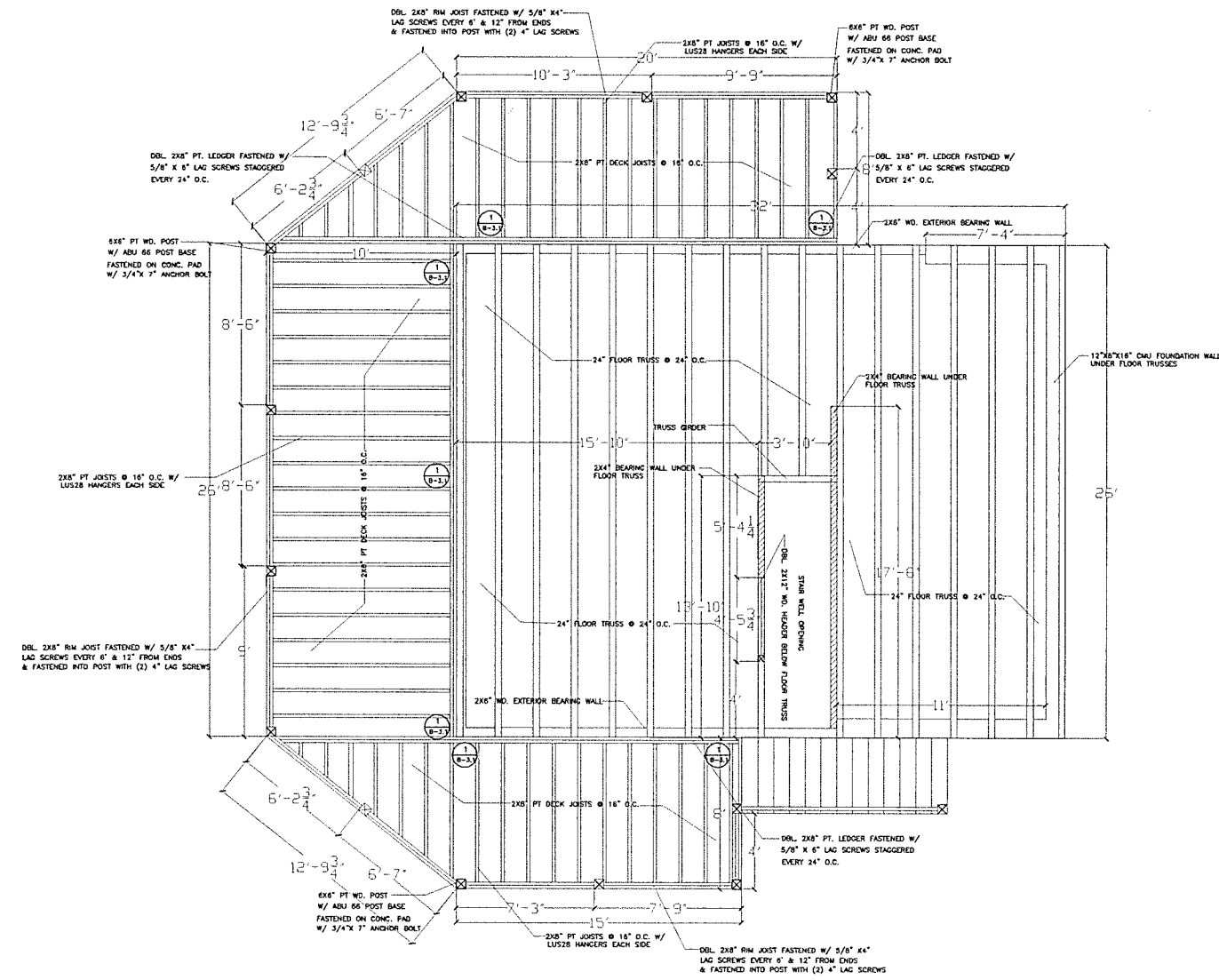
1 SIMPSON DTT22 DECK TENSIONER

AREAS

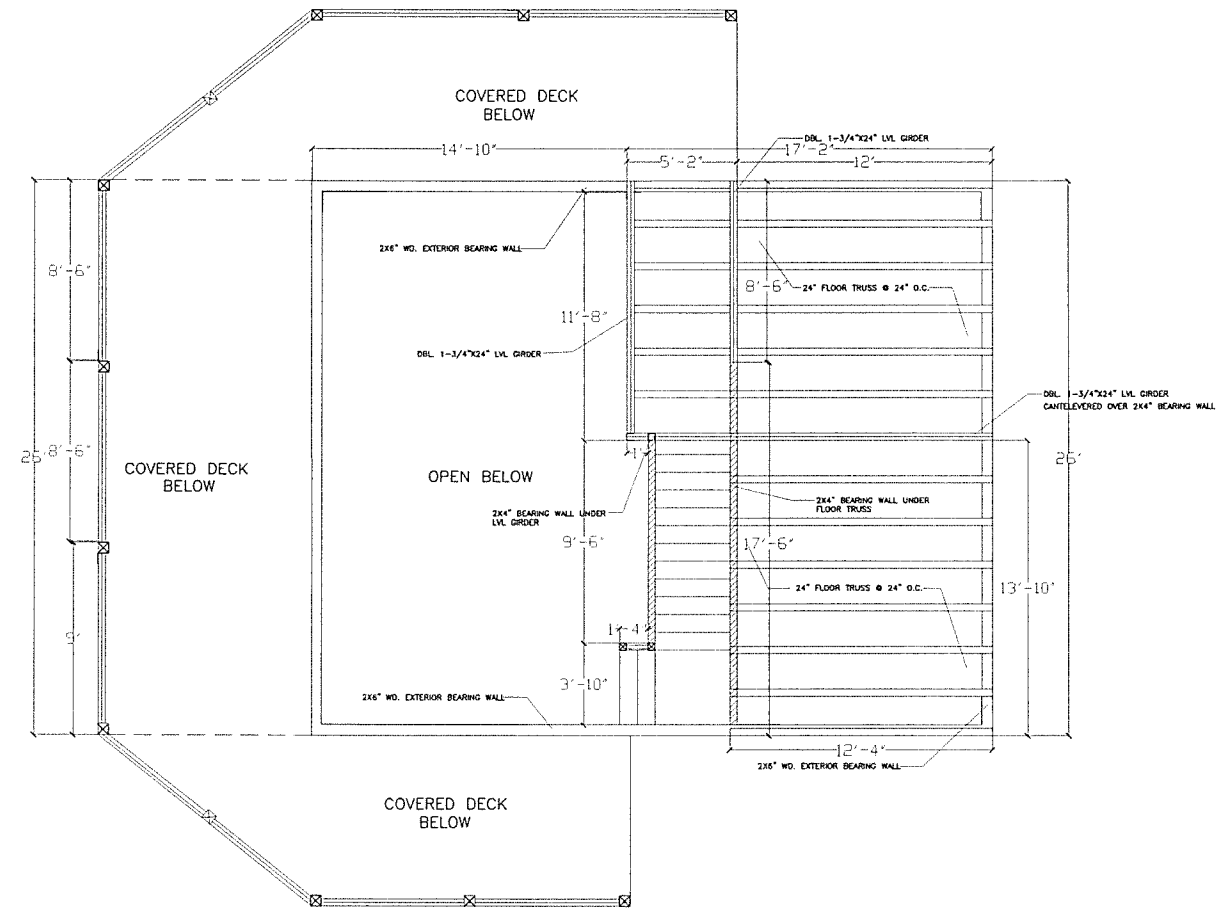
MAIN FLOOR	632 SF
LOWER FLOOR	632 SF
2ND FLOOR	355 SF
COV. DECK	720 SF
COV. ENTRY	160 SF

TOTAL LIVING SF. 2,090 SF
TOTAL 2,613 SF

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PHONE: 423-329-2064



MAIN FLOOR PLAN



2ND FLOOR PLAN

JACK POST SCHEDULE (SIMPSON)

POST	ANCHOR	POST ANCHOR FASTENERS		TRUSS TIE TO POST FASTENERS		MAX. UPLIFT
		FLOOR	POST	TIE	TRUSS	
JP1	3-2X4 LIT 208	1/2" WEDGE-ALL FRCT.-FIT A.B. EMBED. 4 1/2"	10-164	(2) MTS 12	7-104 EA	1750
JP2	3-2X4 HTI 22	5/8" WEDGE-ALL FRCT.-FIT A.B. EMBED. 5 1/2"	32-166	(3) MTS 12	7-104 EA	3000
JP3	3-2X4 HTI 22	5/8" WEDGE-ALL FRCT.-FIT A.B. EMBED. 5 1/2"	32-166	MST 37	21-164 EA	3815
JP4	4-2X4 HTI 22	5/8" A.B. EMBED. 5" EPOXY-TYPE CEMENT	32-166	(2) MST 27	15-164 EA	4375
JP5	5-2X4 (2) HTI 22	5/8" A.B. EMBED. 5" EPOXY-TYPE CEMENT	32-166	(2) MST 37	21-164 EA	7630
JP6	5-2X4 (2) HTI 22	5/8" THREADED ROD EMBED. 10" EPOXY-TYPE CEMENT	32-166	(2) MST 46	23-164 EA	8920

ALL LOWER FLOOR JOISTS ARE FIGURED AS SOUTHERN YELLOW PINE #2 GRADE
ALL DECK JOISTS ARE FIGURED AS SOUTHERN YELLOW PINE #2 GRADE PRESSURE TREATED
ALL FLOOR TRUSSES ARE FIGURED AS SOUTHERN YELLOW PINE #2 GRADE

A CUSTOM HOME FOR:
HASEMAN
RESIDENCE
FRAME PLAN

PLAN DATE: 1/14/22
REV. DATE:

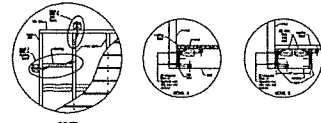
IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2018
DESIGN CRITERIA SHALL FOLLOW:
WIND SPEED: 90 mph (15 SEC. DWT)
WIND EXPOSURE: B
SEISMIC DESIGN CATEGORY: I
FLOOR LIVE LOAD (L_F): 10 psf
ROOF LIVE LOAD (L_R): 20 psf
UNHABITABLE ATTIC WITHOUT STORAGE: 10 psf
UNHABITABLE ATTIC WITH STORAGE: 20 psf
HABITABLE ATTIC AND SLEEPING PORCH: 20 psf
ROOF LIVE LOAD: 20 psf

PROJECT NO. 1
DATE: 1/14/22
DRAWN BY: C. OLSON

SHEET NO:
B-3.1

FLOOR FRAMING PLAN

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



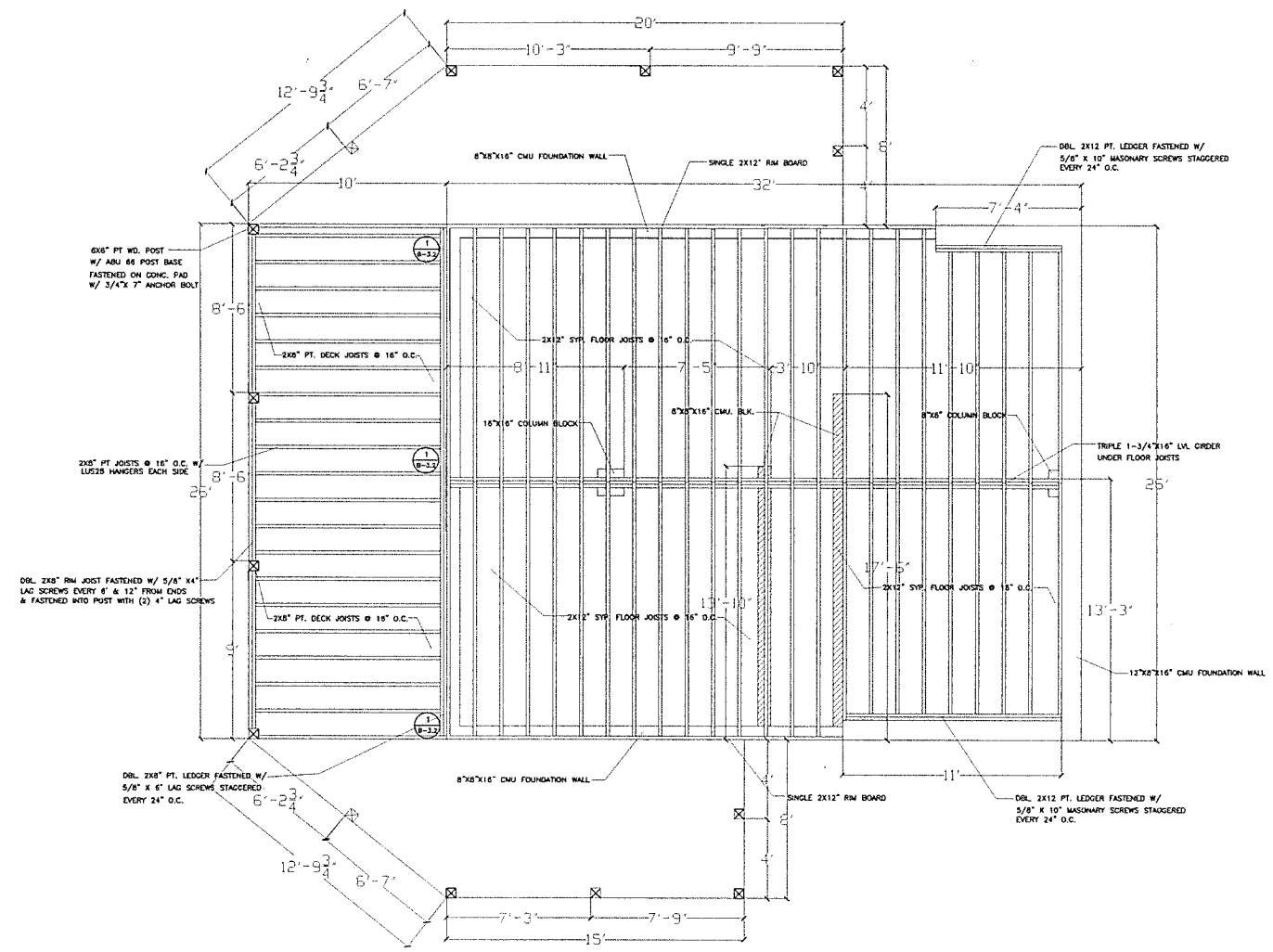
SIMPSON DTT22 DECK TENSIONER

AREAS

MAIN FLOOR	832 SF
LOWER FLOOR	832 SF
2ND FLOOR	355 SF
COV. DECK	720 SF
COV. ENTRY	160 SF

TOTAL LIVING SF. 2,090 SF
TOTAL 2,613 SF

DRAWN BY:
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630 RADER LANE
GREENEVILLE TN 37743
PHONE: 423-329-2064



LOWER FLOOR PLAN

A CUSTOM HOME FOR:
HASEMENCE RESIDENCE
FRAME PLAN

PLAN DATE: 1/14/22
REV. DATE:

IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE BOARDS (IRC) AND THE INTERNATIONAL BUILDING CODE (IBC) FOR WIND LOADS:
BASIC WIND SPEED: 90 mph (3 sec. gust)
WIND PROFILES: B
EXPOSURE: B
DESIGN WIND SPEED: 115 mph (3 sec. gust)
DESIGN WIND PRESSURE: 14.8 psf / -14.3 psf
DESIGN WIND SUCTION: 14.8 psf / -14.3 psf
DESIGN WIND PRESSURE COEFFICIENT: 0.0
DESIGN WIND SUCTION COEFFICIENT: -1.0
DESIGN WIND PRESSURE CATEGORY: II
DESIGN WIND SUCTION CATEGORY: II
DESIGN WIND PRESSURE AND SUCTION AREAS: 10 psf, 20 psf, 30 psf, 40 psf, 50 psf
DESIGN WIND PRESSURE AND SUCTION AREAS: 10 psf, 20 psf, 30 psf, 40 psf, 50 psf

PROJECT NO. 1
DATE: 1/14/22
DRAWN BY: C. OLSON
SHEET NO:
B-3.2

JACK POST SCHEDULE (SIMPSON)

POST POST	POST ANCHOR	FASTENERS	TRUSS TIE TO POST		MAX. UPLIFT
			TIE	POST	
JP1	2-2x4	LIT 209 1/2" WEDGE-ALL FRCT.-FIT A.B. EMBED. 4 1/2"	(2) MTS 12	7-104 EA.	1750
JP2	3-2x4	MTT 22 5/8" WEDGE-ALL FRCT.-FIT A.B. EMBED. 3 1/2"	(3) MTS 12	7-104 EA.	3000
JP3	3-2x4	MTT 22 5/8" WEDGE-ALL FRCT.-FIT A.B. EMBED. 3 1/2"	(2) MTS 12	21-164 EA.	3815
JP4	4-2x4	MTT 22 5/8" A.B. EMBED. 5" EPOXY-TYPE CEMENT	(2) MST 27	15-164 EA.	4375
JP5	5-2x4	(2) MTT 22 5/8" A.B. EMBED. 5" EPOXY-TYPE CEMENT	(2) MST 37	21-164 EA.	7830
JP6	5-2x4	(2) MTT 22 5/8" THREADED ROD EMBED. 10" EPOXY-TYPE CEMENT	(2) MST 48	23-164 EA.	8920

ALL LOWER FLOOR JOISTS ARE FIGURED AS SOUTHERN YELLOW PINE #2 GRADE
ALL DECK JOISTS ARE FIGURED AS SOUTHERN YELLOW PINE #2 GRADE PRESSURE TREATED
ALL FLOOR TRUSSES ARE FIGURED AS SOUTHERN YELLOW PINE #2 GRADE

FLOOR FRAMING PLAN

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

AREAS

MAIN FLOOR	632 SF
LOWER FLOOR	832 SF
2ND FLOOR	355 SF
COV. DECK	720 SF
COV. ENTRY	160 SF
TOTAL LIVING SF.	2,099 SF
TOTAL	2,613 SF

DRAWN BY:
CRAIG OLSON
 630 RADER LANE
 GREENEVILLE TN. 37743
 PHONE: 423-329-2064

A CUSTOM HOME FOR:
HASEMANCE
RESIDENCE
FOUNDATION PLAN

PLAN DATE: 1/14/22
 REV. DATE:

IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2018 EDITION, THE DESIGN CRITERIA ARE AS FOLLOWS:
 BASIC WIND SPEED: 110 mph (1 SEC. GUST)
 BASIC SNOW LOAD: 30 PSF
 MIN. CEILING HEIGHT: 7'-0" (1st FLOOR) / 8'-0" (2ND FLOOR)
 MIN. FLOOR FINISH: 1/2" GYP. BOARD / 1/2" INS. PER. / 1/2" GYP. BOARD
 MIN. WALL FINISH: 5/8" GYP. BOARD / 1/2" INS. PER. / 5/8" GYP. BOARD
 MIN. ROOF FINISH: 2" GYP. BOARD / 1/2" INS. PER. / 2" GYP. BOARD
 MIN. ROOF STRUCTURE: 2" GYP. BOARD / 1/2" INS. PER. / 2" GYP. BOARD
 MIN. ROOF LOAD: 20 PSF
 MIN. ROOF WIND UPLIFT: 20 PSF
 MIN. ROOF WIND UPLIFT: 20 PSF

PROJECT NO. 1
 DATE: 1/14/22
 DRAWN BY: C. OLSON
 SHEET NO:
B-4

STEWALL HEIGHT:	FOOTING (SEE DETAIL)	VERTICAL #5 REBAR & POURED CELL SPACING	LINTEL COURSE W/ #5 REBAR	CONTINUOUS FOOTING W/ #5 REBAR
36" TO 48"	12" x 24"	48" O.C.	AT TOP	(3) #5 EVENLY SPACED
49" TO 60"	12" x 30"	40" O.C.	AT TOP	(4) #5 EVENLY SPACED
61" TO 96"	16" x 48"	16" O.C.	AT 48" & 96"	(6) #5 EVENLY SPACED
97" TO 120"	16" x 60"	16" O.C.	AT 48" & 96" & TOP	(6) #5 EVENLY SPACED
120" TO 172"	20" x 72"	12" O.C.	AT 48" & 96" & TOP	(9) #5 EVENLY SPACED

FOUNDATION WALL SIZING CHART FOR STEEP SLOPING LOTS

CAST-IN-PLACE CONCRETE

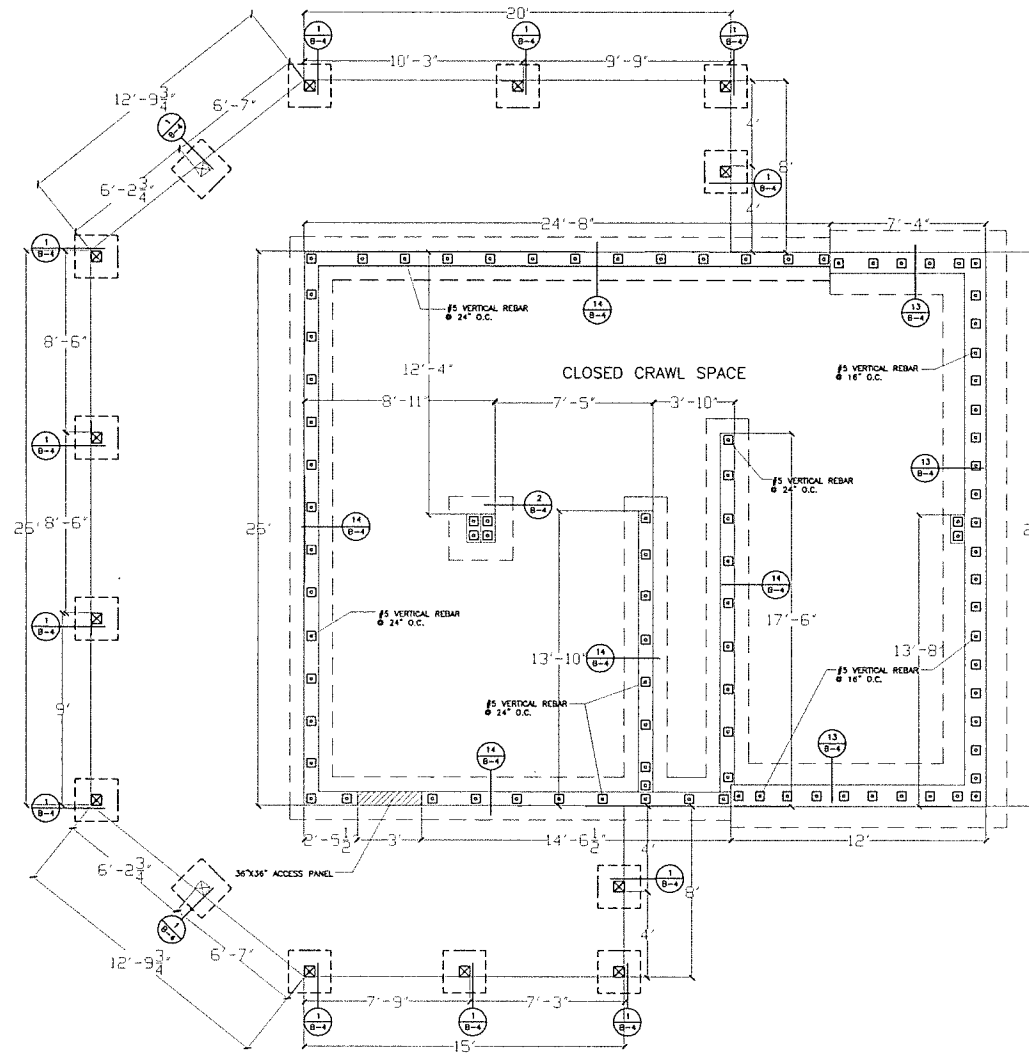
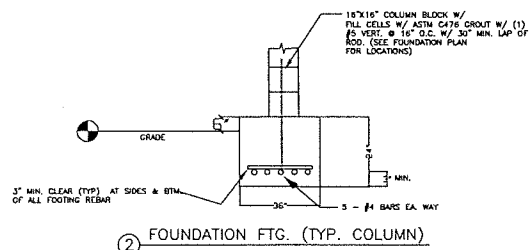
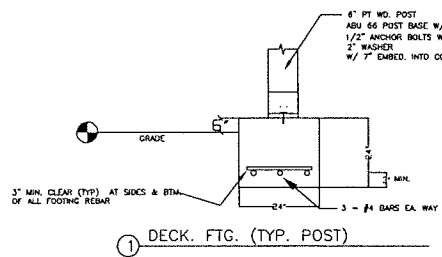
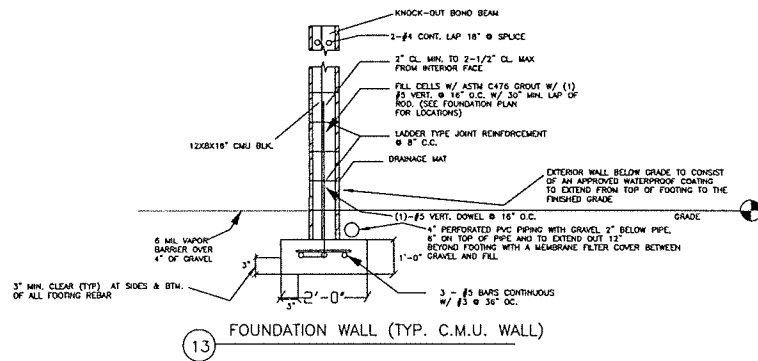
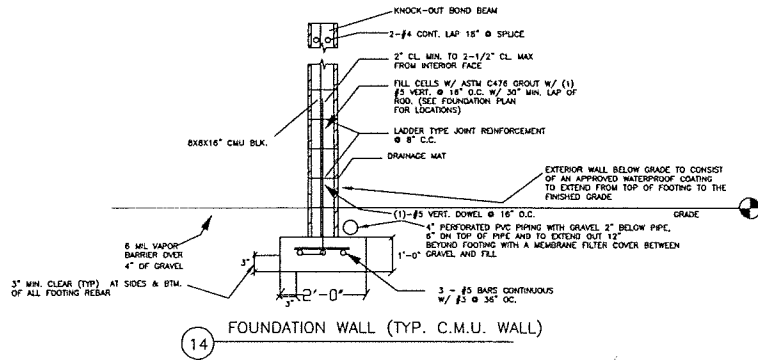
1. CONCRETE FOR BUILDING FOOTINGS SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAY TEST.
2. CONCRETE FOR DECK AND SUPPORT FOOTINGS SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAY TEST AND SHALL CONTAIN ENTRAINED AIR AND NO FLY ASH.

REINFORCING STEEL

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
2. BOLT BARS FOR DOWELS, CORNER BARS AND TIES SHALL BE SHOP BENT.

MASONRY

1. WORKER AND C.M.U.'S SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAY TEST.
2. GROUT TO BE PLACED IN THE CELLS OF MASONRY UNITS SHALL CONFORM TO ASTM C476.
3. HORIZONTAL JOINT REINFORCING SHALL BE LADDER TYPE SPACED 16" O.C.

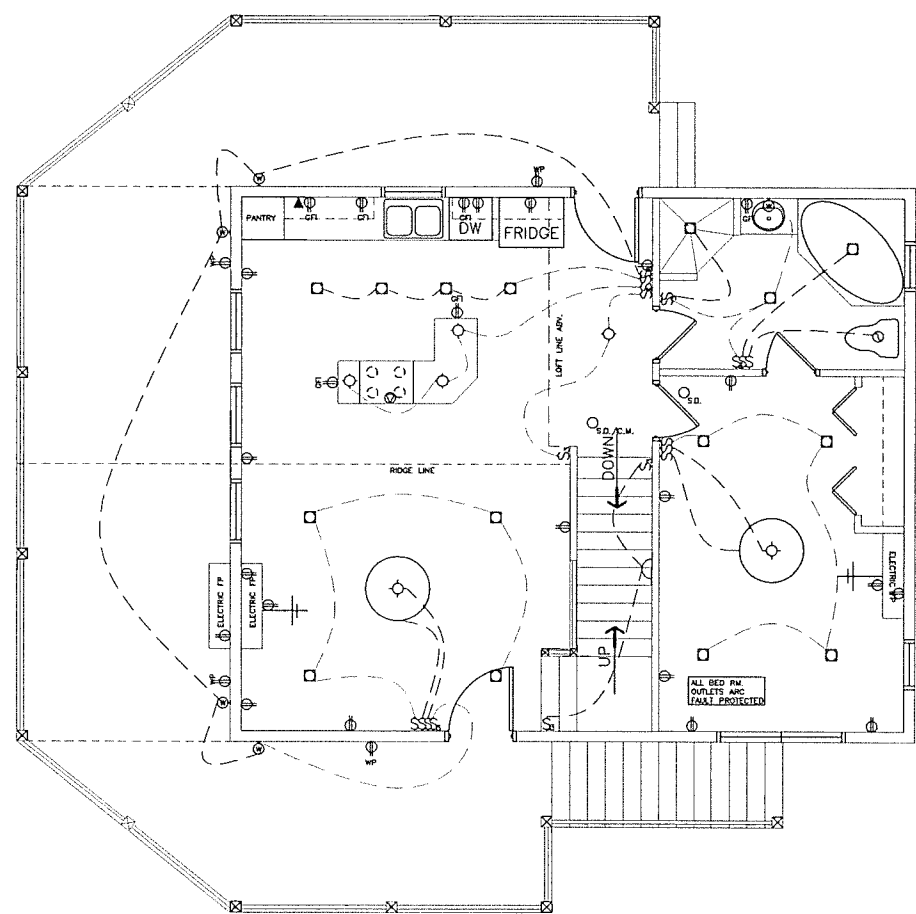


- NOTES:
- 1) AC DISCONNECT LOCATED ACCORDING TO THE 2017 NEC SECTION 440.14
 - 2) SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS INSTALL ACCORDING TO 2018 IRC RESIDENTIAL SECTION 313.
 - 3) ARC-FAULT CIRCUIT PROTECTION IN ACCORDANCE WITH THE 2017 NEC SECTION 210.12.
 - 4) TAMPER-RESISTANT RECEPTACLES IN ACCORDANCE WITH THE 2017 NEC SECTION 406.11.
 - 5) DWELLING UNIT RECEPTACLES TO BE IN ACCORDANCE WITH 2017 NEC 210.52.
 - 6) HEATING/AIR CONDITIONING SERVICE RECEPTACLE REQUIRED TO BE IN ACCORDANCE WITH 2017 NEC SECTION 210.63
 - 7) FOOTER STEEL TO BE BONDED IN ACCORDANCE WITH 2017 250.52.
 - 8) GROUND- FAULT CIRCUIT PROTECTION IN ACCORDANCE WITH THE 2017 NEC SECTION 210.8.

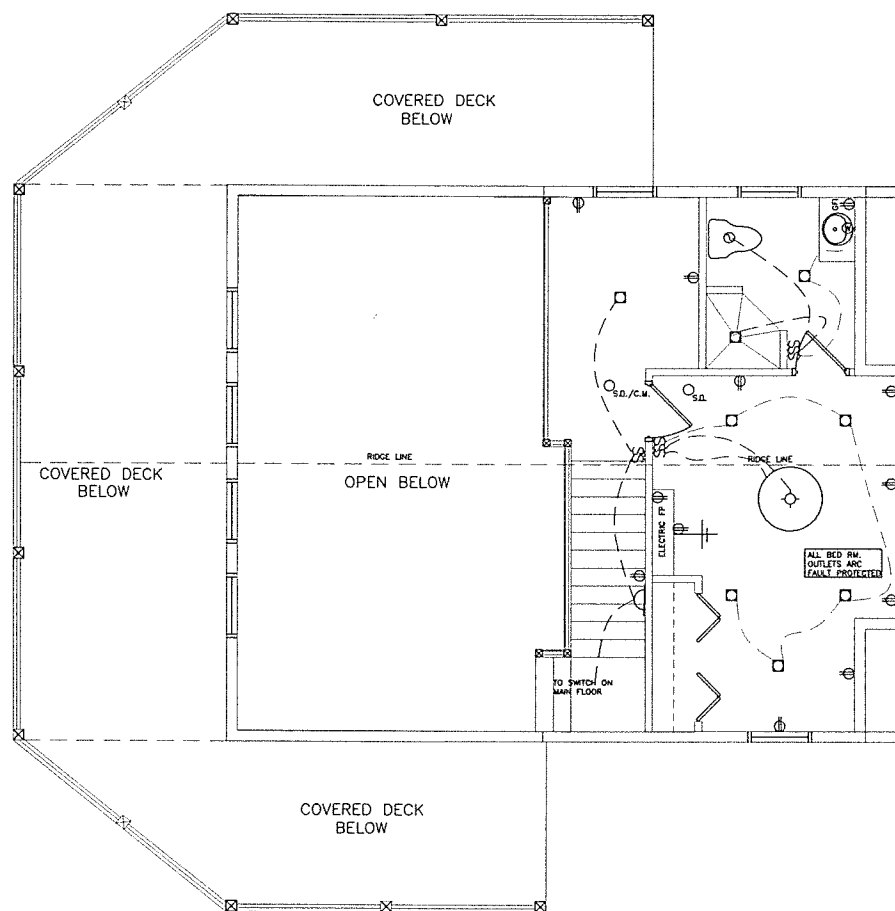
- NOTE:
1. 120/240 VOLTS, 3-WIRE, SINGLE PHASE DIST
150 AMP; #1 COPPER 2/0 ALUMINUM
200 AMP; #2/0 COPPER 4/0 ALUMINUM
 2. ALL WIRE SHALL BE THHN.
 3. A/C LOADS IS ASSUMED VERIFY EQUIPMENT LOADS PRIOR TO INSTALLATION. REVISE BRANCH AS REQUIRED.

AREAS	
MAIN FLOOR	832 SF
LOWER FLOOR	832 SF
2ND FLOOR	355 SF
COV. DECK	720 SF
COV. ENTRY	160 SF
TOTAL LIVING SF. 2,090 SF	
TOTAL 2,613 SF	

DRAWN BY:
 CRAIG OLSON
 630 RADER LANE
 GREENVILLE TN 37743
 PHONE: 423-329-2064



MAIN FLOOR PLAN



2ND FLOOR PLAN

ELECTRICAL SYMBOLS

- 110 V. DUPLEX OUTLET
- 1/2 HOT, 1/2 SWITCHED 110 V. DUPLEX OUTLET
- WATERPROOF 110 V. DUPLEX OUTLET
- FLOOR OUTLET
- 220 V. DUPLEX OUTLET
- PRE-WIRE FOR CLG. FAN
- SINGLE POLE SWITCH
- 3-WAY SWITCH
- 4-WAY SWITCH
- DIMMER SWITCH
- G.F.I. SWITCH
- CEILING MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- WALL SCONCE
- CHANDELER
- FLOOD LIGHT FIXTURE
- SURFACE MOUNTED FLUORESCENT FIXTURE
- FLUORESCENT FIXTURE
- TRACK LIGHT FIXTURE
- THEATRICAL FIXTURE
- CEILING FAN
- CEILING FAN W/ LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- EXHAUST FAN
- EXHAUST FAN/LIGHT COMBO
- MOTOR
- ELECTRICAL PANEL
- TELEPHONE
- TELEVISION JACK
- CHIME
- SMOKE DETECTOR
- PUSH BUTTON
- JUNCTION BOX (AUG0)
- SPEAKER (AUG0)
- THERMOSTAT
- A/C DISCONNECT

A CUSTOM HOME FOR:
 HASEMANCE
 RESIDENCE
 ELECTRICAL PLAN

PLAN DATE: 1/14/22
 REV. DATE:

EXCEPTIONS TO THE NATIONAL ELECTRICAL CODE SHALL BE AS FOLLOWS:
 BASE WIRE SIZED: 100% OF THE DESIGN CURRENT, AND AS FOLLOWS:
 0-99 AMP: 1 SEC. SUIT
 100-150 AMP: 0.18
 150-200 AMP: 0.25
 200-250 AMP: 0.35
 250-300 AMP: 0.45
 300-350 AMP: 0.55
 350-400 AMP: 0.65
 400-450 AMP: 0.75
 450-500 AMP: 0.85
 500-600 AMP: 1.0
 600-700 AMP: 1.25
 700-800 AMP: 1.5
 800-900 AMP: 1.75
 900-1000 AMP: 2.0
 ALL OTHERS AS NOTED.
 ALL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL AND STATE CODES.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL LOADS AND SLEEPING AREAS.
 ALL OTHERS AS NOTED.

PROJECT NO. 1
 DATE: 1/14/22
 DRAWN BY: K. CLARK
 SHEET NO:
 E-1

ELECTRICAL PLAN

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

- NOTES:
- 1) AC DISCONNECT LOCATED ACCORDING TO THE 2017 NEC SECTION 440.14
 - 2) SMOKE DETECTORS AND CARBON MONOXIDE DETECTORS INSTALL ACCORDING TO 2018 IRC RESIDENTIAL SECTION 313.
 - 3) ARC-FAULT CIRCUIT PROTECTION IN ACCORDANCE WITH THE 2017 NEC SECTION 210.12.
 - 4) TAMPER-RESISTANT RECEPTACLES IN ACCORDANCE WITH THE 2017 NEC SECTION 406.11.
 - 5) DWELLING UNIT RECEPTACLES TO BE IN ACCORDANCE WITH 2017 NEC 210.52.
 - 6) HEATING/AIR CONDITIONING SERVICE RECEPTACLE REQUIRED TO BE IN ACCORDANCE WITH 2017 NEC SECTION 210.63
 - 7) FOOTER STEEL TO BE BONDED IN ACCORDANCE WITH 2017 250.52.
 - 8) GROUND - FAULT CIRCUIT PROTECTION IN ACCORDANCE WITH THE 2017 NEC SECTION 210.8.

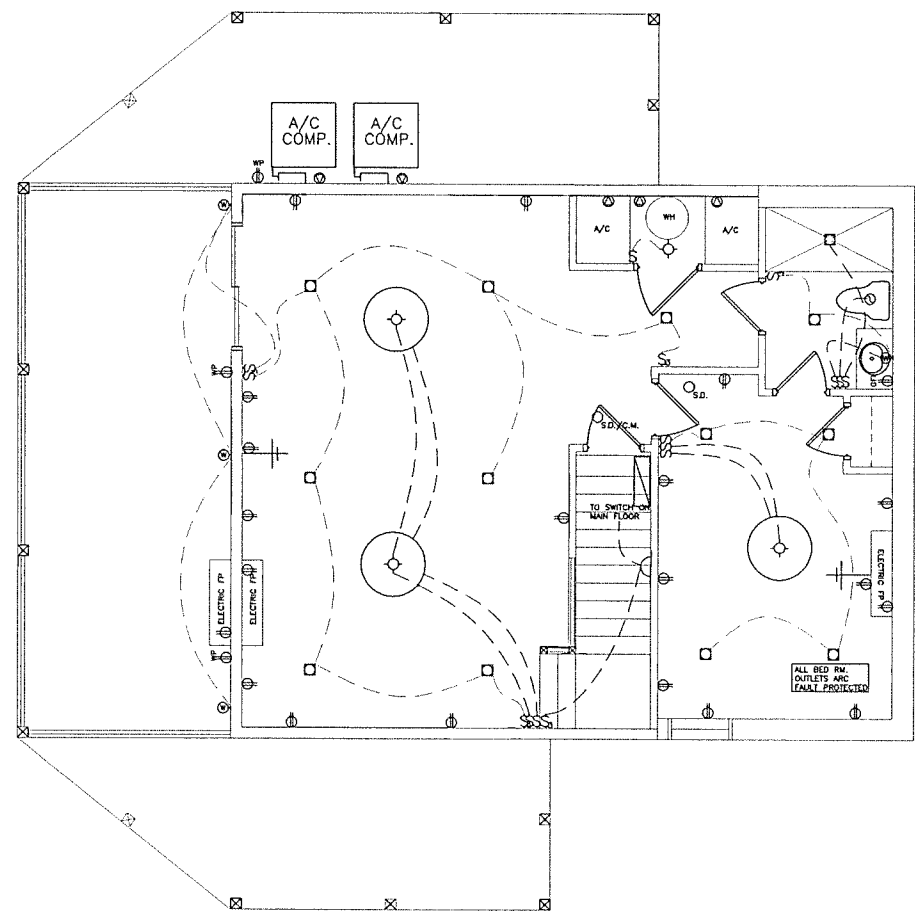
- NOTE:
1. 120/240 VOLTS, 3-WIRE, SINGLE PHASE DIST. 150 AMP; #1 COPPER 2/0 ALUMINUM 200 AMP; #2/0 COPPER 4/0 ALUMINUM
 2. ALL WIRE SHALL BE THIN.
 3. A/C LOADS IS ASSUMED VERIFY EQUIPMENT LOADS PRIOR TO INSTALLATION. REVERSE BRANCH AS REQUIRED.

AREAS

MAIN FLOOR	832 SF
LOWER FLOOR	832 SF
2ND FLOOR	355 SF
COV. DECK	720 SF
COV. ENTRY	180 SF

TOTAL LIVING SF: 2,090 SF
TOTAL 2,613 SF

DRAWN BY:
CRAIG OLSON
630 RADER LANE
GREENEVILLE TN, 37743
PHONE: 423-329-2064



LOWER FLOOR PLAN

ELECTRICAL SYMBOLS

- ⊕ 110 V. DUPLEX OUTLET
- ⊕ 1/2 HOT, 1/2 SWITCHED 110 V. DUPLEX OUTLET
- ⊕ WATERPROOF 110 V. DUPLEX OUTLET
- ⊕ FLOOR OUTLET
- ⊕ 220 V. DUPLEX OUTLET
- ⊕ PRE-WIRE FOR CLG. FAN
- S SINGLE POLE SWITCH
- S₃ 3-WAY SWITCH
- S₄ 4-WAY SWITCH
- S_D DIMMER SWITCH
- S_{G.F.L.} G.F.L. SWITCH
- CEILING MOUNTED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- WALL SCONCE
- ⊕ CHANDELER
- ⊕ FLOOR LIGHT FIXTURE
- ⊕ SURFACE MOUNTED FLUORESCENT FIXTURE
- ⊕ FLUORESCENT FIXTURE
- ⊕ TRACK LIGHT FIXTURE
- ⊕ THEATRICAL FIXTURE
- CEILING FAN
- CEILING FAN W/ LIGHT FIXTURE
- ⊕ WALL MOUNTED LIGHT FIXTURE
- ⊕ EXHAUST FAN
- ⊕ EXHAUST FAN/LIGHT COMBO
- ⊕ MOTOR
- ⊕ ELECTRICAL PANEL
- ⊕ TELEPHONE
- ⊕ TELEVISION JACK
- ⊕ CHIME
- ⊕ S.D. SMOKE DETECTOR
- ⊕ PUSH BUTTON
- ⊕ JUNCTION BOX (AUDIO)
- ⊕ SPEAKER (AUDIO)
- ⊕ THERMOSTAT
- ⊕ A/C DISCONNECT

A CUSTOM HOME FOR:
HASEMANZ
RESIDENCE
ELECTRICAL PLAN

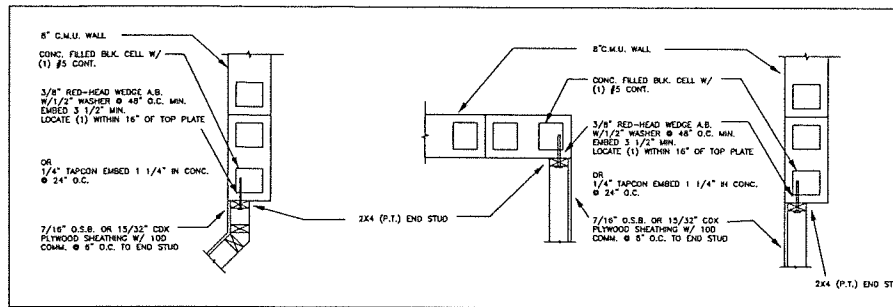
PLAN DATE: 1/14/22
REV. DATE:

IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2018 EDITION, THE DESIGN CRITERIA ARE AS FOLLOWS:
 BUILDING CATEGORY: 2
 WIND SPEED: 110 mph (1 sec. gust)
 INTERNAL PRESSURE COEFFICIENT: 0.18
 EXTERNAL PRESSURE COEFFICIENT: 0.18
 GROUND SNOW LOADS: 10 PSF
 SITE CLASSIFICATION: C
 FLOOD HAZARD ZONING: UNDESIGNATED AREAS WITHOUT STORAGE: 10 PSF
 UNDESIGNATED AREAS WITH STORAGE: 20 PSF
 UNDESIGNATED AREAS WITH STORAGE: 20 PSF
 ROOF LIVE LOAD: 20 PSF

PROJECT NO. 1
DATE: 1/14/22
DRAWN BY: K. CLARK
SHEET NO:
E-1.2

ELECTRICAL PLAN

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



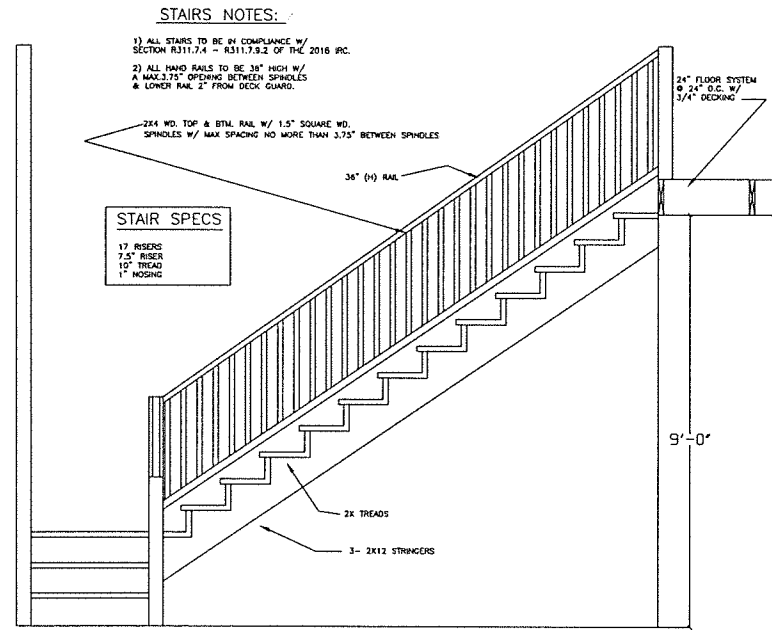
25 - BLOCK/FRAME CONNECTION

SCALE: 3/4" = 1'-0"

THE FOLLOWING LUMBER GRADES SHALL BE THE MINIMUM ACCEPTABLE GRADE UNLESS OTHERWISE NOTED:

STUD	SPECIES	O.C.	GRADE	
			#2	CONSTRUCT.
2x4	SPRUCED HEM-FIR DOUGLUS	24"	8'-0"	
		18"	10'-0"	9'-8"
	12"	11'-0"	10'-2"	9'-8"
	SO. YELLOW PINE	24"	9'-0"	
		18"	11'-8"	9'-8"
2x6	SPRUCED HEM-FIR DOUGLUS	24"	12'-0"	10'-0"
		18"	13'-9"	11'-0"
	12"	17'-0"	13'-8"	
	SO. YELLOW PINE	24"	13'-9"	10'-4"
		18"	18'-0"	12'-10"
12"	18'-0"	14'-6"		

STUD HEIGHT (BEARING)



STAIRS NOTES:

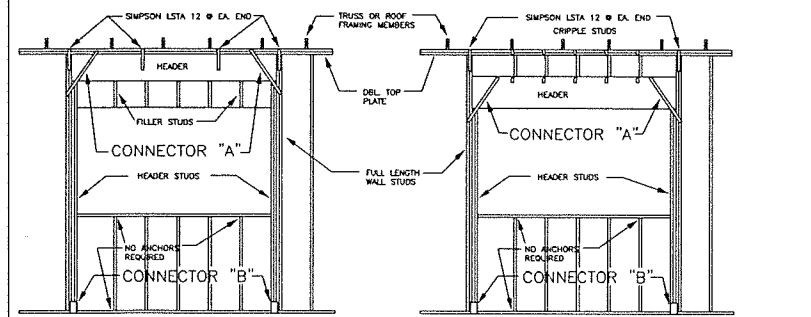
- 1) ALL STAIRS TO BE IN COMPLIANCE W/ SECTION R311.7.4 - R311.7.9.2 OF THE 2018 IRC.
- 2) ALL HAND RAILS TO BE 36" HIGH W/ A MAX. 2.75" OPENING BETWEEN SPINDLES & LOWER RAIL 2" FROM DECK GUARD.

STAIR SPECS
17 RISERS
7.5" RISER
10" TREAD
1" NOSING

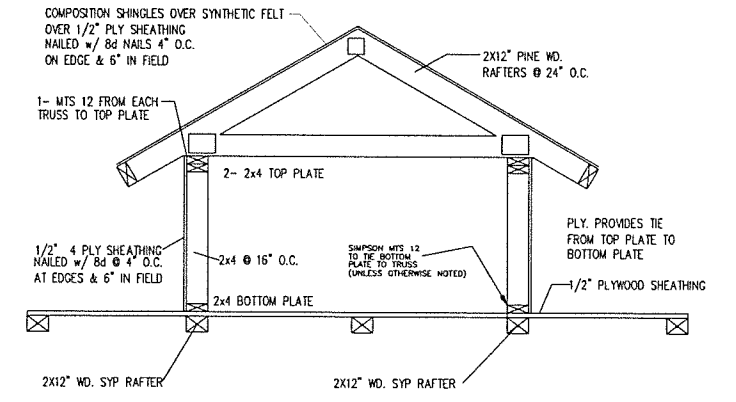
STAIRCASE DETAIL (TYP)

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

STUDS	CONNECTORS																							
	MAXIMUM HEADER SPAN (FT.)																							
<table border="1"> <tr><td>3'</td><td>6'</td><td>9'</td><td>12'</td></tr> <tr><td>OR LESS</td><td></td><td></td><td></td></tr> <tr><td>1</td><td>1</td><td>2</td><td>2</td></tr> </table>	3'	6'	9'	12'	OR LESS				1	1	2	2	CONNECTOR	3'	6'	9'	12'							
3'	6'	9'	12'																					
OR LESS																								
1	1	2	2																					
<table border="1"> <tr><td>UNSUPPORTED WALL HEIGHT</td><td colspan="3">NUMBER OF FULL-LENGTH STUDS OF EACH END OF HEADER</td></tr> <tr><td>10'</td><td>1</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>OR LESS</td><td>1</td><td>2</td><td>2</td><td>2</td></tr> <tr><td>GREATER THAN 10'</td><td>1</td><td>2</td><td>2</td><td>2</td></tr> </table>	UNSUPPORTED WALL HEIGHT	NUMBER OF FULL-LENGTH STUDS OF EACH END OF HEADER			10'	1	2	2	2	OR LESS	1	2	2	2	GREATER THAN 10'	1	2	2	2	A SIMPSON (1) LSTA 12 (2) LSTA 12 B SIMPSON (2) SP1 OR (2) SP4 OR (2) HS (3) SP1 OR (3) SP4 OR (3) HS (4) SP1 OR (4) SP4 OR (4) HS (1) HS LIT 208 CRIPPLE STUDS SIMPSON H3, H2.5, OR H4 TOP & BTM. OF EACH STUD SIMPSON H3, H2.5, OR H4 TOP & BTM. OF EACH STUD				
UNSUPPORTED WALL HEIGHT	NUMBER OF FULL-LENGTH STUDS OF EACH END OF HEADER																							
10'	1	2	2	2																				
OR LESS	1	2	2	2																				
GREATER THAN 10'	1	2	2	2																				

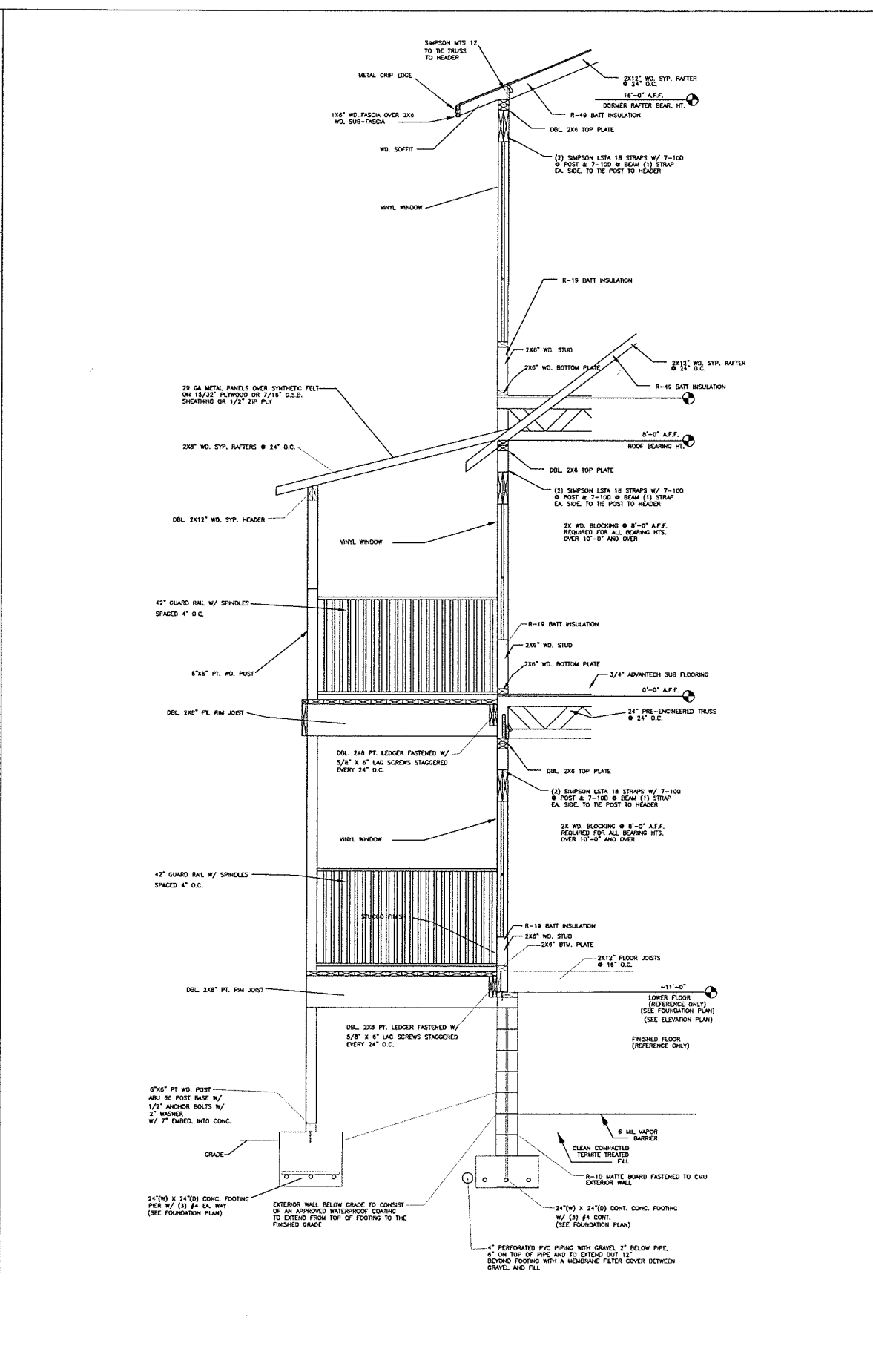


26 - HEADER AND STUD DETAIL



DORMER SPAN MAY VARY: SEE FLOORPLAN TO VERIFY DORMER SPAN

7 - DORMER DETAIL (TYP)



5 - EXTERIOR WALL (TYP)

AREAS

MAIN FLOOR	1045 SF
LOWER FLOOR	1045 SF
COV. PORCH	350 SF
COV. ENTRY	173 SF
TOTAL LIVING SF. 2,090 SF	
TOTAL 2,613 SF	

DRAWN BY:
CRAIG OLSON
630 RADER LANE
GREENEVILLE TN, 37743
PHONE: 423-329-2064

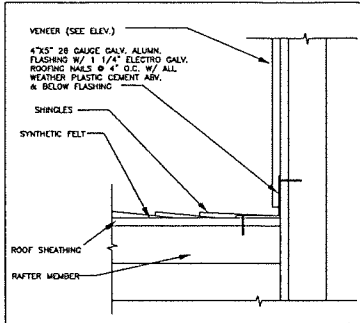
A CUSTOM HOME FOR:
HAZEMANZ
RESIDENCE
DETAIL 1 SHEET

PLAN DATE: 1/14/22
REV. DATE:

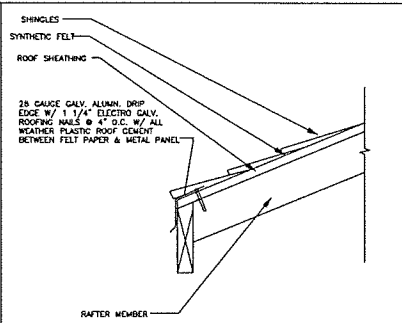
CONSTRUCTION: THE DESIGN CENTER, INC. 600 W. 10TH ST. SUITE 201 GREENEVILLE, TN 37743
DESIGNER: CRAIG OLSON
DATE: 1/14/22
SCALE: 1/4\"/>

PROJECT NO. 1
DATE: 1/14/22
DRAWN BY: C. OLSON

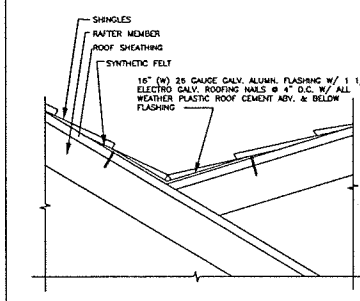
SHEET NO:
S-1



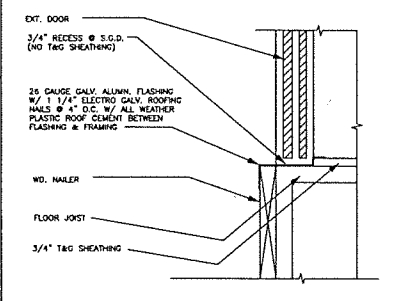
FLASHING @ ANGLE SCALE: 2" = 1'-0"



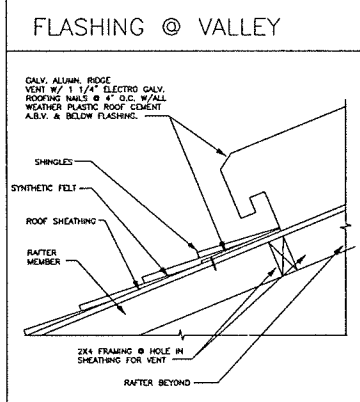
METAL DRIP EDGE SCALE: 2" = 1'-0"



FLASHING @ VALLEY

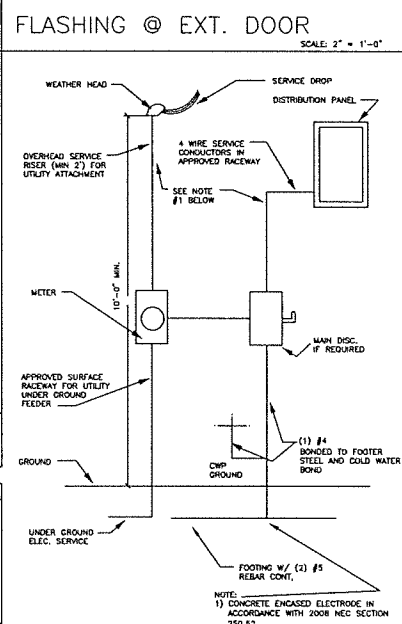


FLASHING @ EXT. DOOR SCALE: 2" = 1'-0"

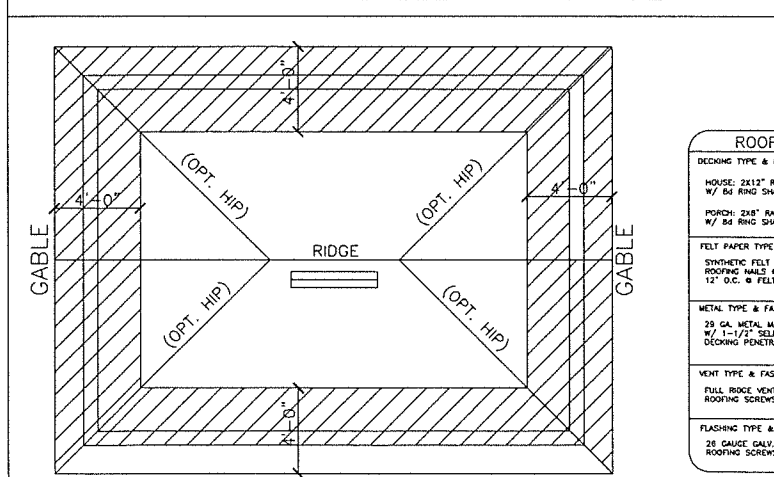


RIDGE VENT SCALE: 2" = 1'-0"

NOTE:
 1. 120/240 VOLTS, 3-WIRE, SINGLE PHASE DIST.
 150 AMP; #1 COPPER 2/0 ALUMINUM
 200 AMP; #2/0 COPPER 4/0 ALUMINUM
 2. ALL WIRE SHALL BE THIN.
 3. A/C LOADS IS ASSUMED VERIFY EQUIPMENT LOADS PRIOR TO INSTALLATION. REVISE BRANCH AS REQUIRED.



TYPICAL ELECTRICAL RISER



ROOF ASSEMBLY DETAIL

SUBTERRANEAN TERMITE PROTECTION

CLEARANCE BETWEEN EXTERIOR WALL COVERINGS AND FINAL GRADE ON THE BUILDING SHALL NOT BE LESS THAN 4 INCHES. (IBC 2304.11.2.4) EXCEPT:

1. PAINT OR DECORATIVE CEMENTITIOUS FINISH LESS THAN 3/4" THICK APPLIED DIRECTLY TO THE MASONRY FOUNDATION SIDEWALL.
2. ACCESS OR VEHICLE RAMPS WHICH RISE TO THE INTERIOR FINISH FLOOR ELEVATION FOR THE WIDTH OF SUCH RAMPS ONLY.
3. A FOUR INCH INSULATION SPACE ABOVE PATIO AND GARAGE SLABS AND ENTRY AREAS.
4. IF THE PATIO HAS BEEN SOIL TREATED FOR TERMITES, THE FINISH ELEVATION MAY MATCH THE BUILDING INTERIOR FINISH FLOOR ELEVATION ON MASONRY CONSTRUCTION ONLY.
5. MASONRY VENEERS

CONDENSATE LINES AND ROOF DOWN SPOUTS SHALL DISCHARGE AT LEAST ONE FOOT AWAY FROM THE STRUCTURE SIDEWALL WHETHER BY UNDERGROUND PIPING, TAIL EXTENSIONS OR SPLASH BLOCKS. GUTTERS WITH DOWN SPOUTS ARE REQUIRED ON ALL BUILDINGS WITH EAVES OF LESS THAN 24 INCHES. HORIZONTAL PROJECTION EXCEPT FOR GABLES OR RAFTERS OR ON A ROOF ABOVE ANOTHER ROOF, IRREGULAR SPRINGERS AND RISERS FOR SPRAY HEADS SHALL NOT BE INSTALLED WITHIN ONE FOOT OF THE BUILDING SIDEWALL. (IBC-1503.4.1)

AN APPROVED PHYSICAL BARRIER SHALL ALSO BE INSTALLED FROM BELOW THE WALL, SILL PLATE OR FIRST COURSE HORIZONTALLY TO EMBED IN A MORTAR JOINT. IF MASONRY EXTENDS BELOW GRADE, A TERMITIC PROTECTIVE TREATMENT MUST BE APPLIED TO THE CAVITY CREATED BETWEEN THE VENEER AND THE FOUNDATION, IN LIEU OF A PHYSICAL BARRIER. (IBC 2116.2)

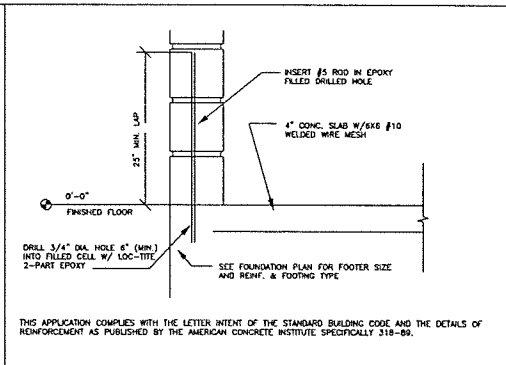
BRICK, STONE OR OTHER VENEER SHALL BE SUPPORTED BY A CONCRETE BEARING LEASE OF SUCH THICKNESS AS REQUIRED BY CHAPTER 14, WHICH IS POURED INEQUALITY WITH THE CONCRETE FOUNDATION, NO SUPPLEMENTAL CONCRETE FOUNDATION POURS WHICH WILL CREATE A HIDDEN COLD JOINT SHALL BE USED WITHOUT SUPPLEMENTAL TREATMENT IN THE FOUNDATION UNLESS THERE IS AN APPROVED PHYSICAL BARRIER. (IBC 2116.3)

CLEARANCE BETWEEN WOOD SIDING AND EARTH ON THE EXTERIOR OF A BUILDING SHALL NOT BE LESS THAN 4 INCHES EXCEPT WHERE SIDING, SHEATHING AND WALL FRAMING ARE OF APPROVED PRESERVATIVE TREATED WOOD OR APPROVED NATURALLY DURABLE WOOD. (IBC 2304.11.2.4)

DECKS, FENCES, PATIOS, PLANTERS OR OTHER WOODEN BUILDINGS COMPONENTS THAT DIRECTLY ABUT A SIDEWALL OF THE FOUNDATION OR THE STRUCTURE SHALL BE CONSTRUCTED SO AS TO PROVIDE:

1. 18 INCHES CLEARANCE BENEATH, OR
2. 4 INCHES CLEARANCE BETWEEN THE TOP OF THE COMPONENT AND THE EXTERIOR WALL COVERING OR,
3. HAVE COMPONENTS THAT ARE EASILY REMOVABLE BY SCREWS OR NAILS TO ALLOW ACCESS FOR INSPECTION OF THE FOUNDATION SIDEWALL AND TREATMENT FOR TERMITES. (IBC 2304.11.2.1)

SUBTERRANEAN TERMITE PROTECTION

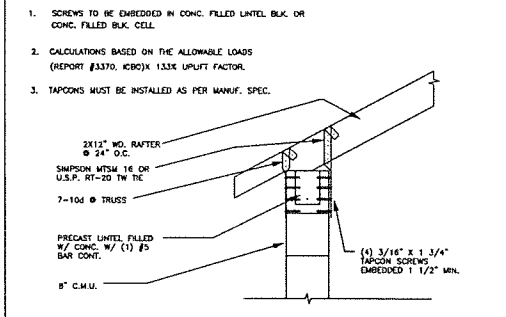


33 - DOWEL REPLACEMENT DETAIL

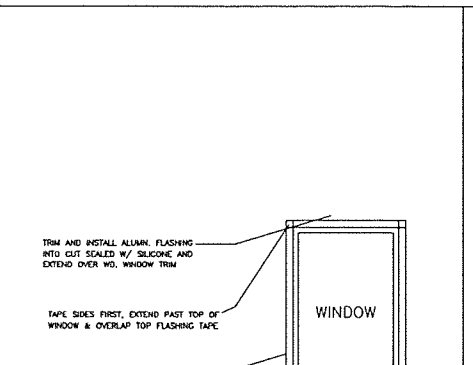
TAPCON SCREW TRUSS TIE SCHEDULE
 UPLIFT LIMITS FOR USE OF TAPCON SCREWS WITH SIMPSON MTSM 16 OR U.S.P. RT-20
 MIN. SCREW EMBEDMENT: 1 1/2"

SCREW DIAMETER	SCREW LENGTH	NO. OF SCREWS	UPLIFT	LATERAL
3/16"	1 3/4" MIN.	4	800	275

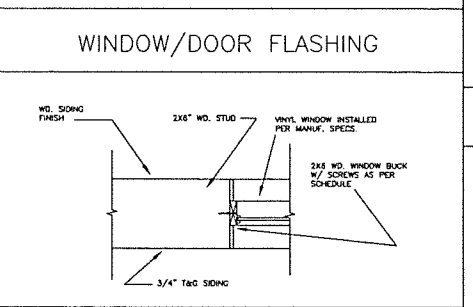
STRAPS MAY BE DOUBLED FOR 1600 LBS. UPLIFT & 600 LBS. LATERAL LOAD



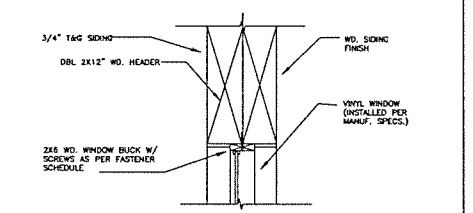
32 - OPTIONAL RAFTER TIE



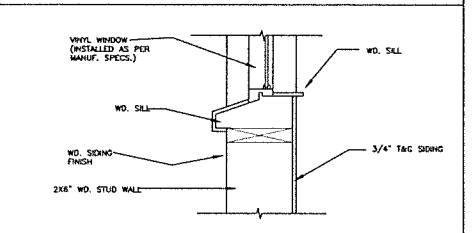
WINDOW/DOOR FLASHING



WINDOW JAMB DETAIL



WINDOW JAMB DETAIL

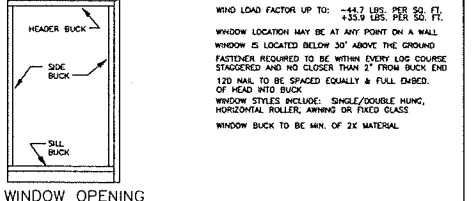


WINDOW HEADER DETAIL

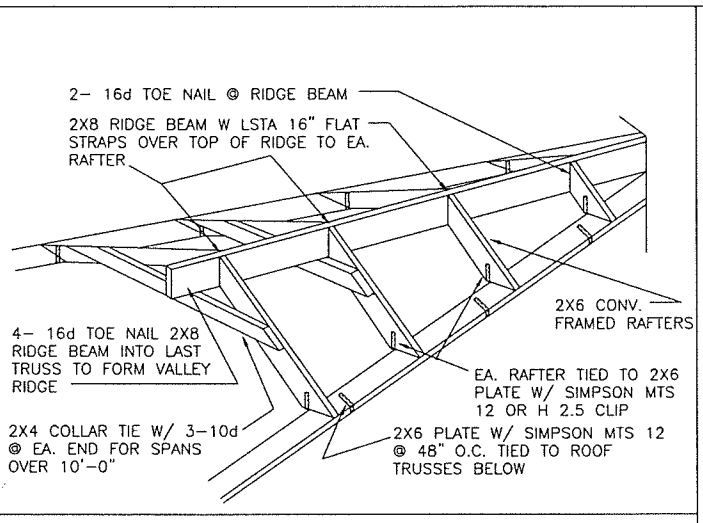
BUCK: 2X6 SPRUCE (STUD GRADE)
 FASTENERS: 12D NAIL

2X6 BUCK W/ NAIL FASTENERS

WINDOW FLANGE SIZE	NO. OF FASTENERS EA. END	WINDOW FLANGE SIZE	NO. OF FASTENERS EA. SIDE
1 1/2"	2	2 1/2"	3
2"	3	3"	4
2 1/2"	4	4"	6
3"	4	5"	7
		6"	8



WINDOW OPENING BUCK SCALE: N/A



37 - VALLEY CONV. FRAMING DETAIL

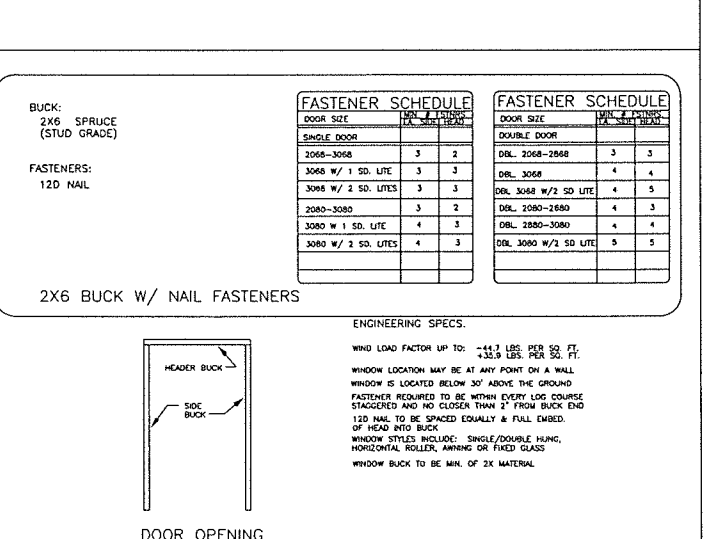
GENERAL NOTES:

1. WOOD FOR STRUCTURAL CONDITIONS TO BE GROUP II SPECIES OR MINIMUM fb = 1300 P.S.I.
2. SEE MANUFACTURERS SPECS FOR REQUIRED FASTENERS TO ATTACH GARAGE DOOR ENTRY DOORS, PATIO DOORS AND WINDOW TO BUILDING. GARAGE DOOR BUCKS SHALL BE ATTACHED TO STUDS W/ 3/8" BOLTS, SPACED EA. 24" O.C. WITH MIN. 3 BOLTS.
3. ALL DOORS & WINDOWS SHALL MEET MANUFACTURERS INSTALLATION REQUIREMENTS IN ACCORD W/ SBCCI COMPLIANCE REPORTS.
4. SOIL MUST BE TERMITE TREATED & ALL PROVISIONS OF FBC SHALL BE MET.

BUCK: 2X6 SPRUCE (STUD GRADE)
 FASTENERS: 12D NAIL

2X6 BUCK W/ NAIL FASTENERS

DOOR SIZE	NO. OF STUDS	DOOR SIZE	NO. OF STUDS
SINGLE DOOR	3	DOUBLE DOOR	3
2068-3068	3	DBL. 2068-2868	3
3068 W/ 1 SD. LITE	3	DBL. 3068	4
3068 W/ 2 SD. LITES	3	DBL. 3068 W/2 SD LITE	4
2080-3080	3	DBL. 2080-2880	4
3080 W/ 1 SD. LITE	4	DBL. 2880-3080	4
3080 W/ 2 SD. LITE	4	DBL. 3080 W/2 SD LITE	5



DOOR OPENING BUCK SCALE: N/A

AREAS

MAIN FLOOR 1045 SF
 LOWER FLOOR 1045 SF
 COV. PORCH 350 SF
 COV. ENTRY 173 SF

TOTAL LIVING SF: 2,090 SF
 TOTAL 2,613 SF

DRAWN BY:
 CRAIG OLSON
 630 RADER LANE
 GREENEVILLE, TN, 37743
 PHONE: 423-329-2084

A CUSTOM HOME FOR:
 HASEMANNE
 RESIDENCE
 DETAIL 2 SHEET

PLAN DATE: 1/14/22
 REV. DATE:

IN ACCORDANCE WITH THE INTERNATIONAL RESIDENTIAL CODE 2018 DESIGN CRITERIA AND LOADS:
 BASIC WIND SPEED: 110 MPH (3 SEC. GUST)
 WIND EXPOSURE: B
 COEFFICIENT: 0.85
 CATEGORY: II
 STRUCTURE CATEGORY: II
 FLOOR LIVE LOAD (L_F): 40 PSF
 UNFINISHED ATTIC STORAGE: 10 PSF
 FINISHED ATTIC STORAGE: 16 PSF
 UNFINISHED BATTLED SPACE: 10 PSF
 FINISHED BATTLED SPACE: 16 PSF
 UNFINISHED WALKWAY AND SLEEPING PORCH: 10 PSF
 FINISHED WALKWAY AND SLEEPING PORCH: 16 PSF

PROJECT NO. 1
 DATE: 1/14/22
 DRAWN BY: C. OLSON

SHEET NO:
 S-2