

Alterations and Additions to Residence for:

Mr. and Mrs. Janik Patel

Lake City, Florida

Drawing Index

SHT N°.	DRAWING TITLE	ISSUED	LATEST REVN	SHT N°.	DRAWING TITLE	ISSUED	LATEST REVN
CS.1	COVER SHEET	01 SEP 2021	09 AUG 2022	A.4	ARCHITECTURAL DETAILS	01 SEP 2021	.
SD.1	DEPO PLAN and HVAC PLAN	01 SEP 2021	21 SEP 2021	A.5	STRUCTURAL INFORMATION	01 SEP 2021	.
A.1	ELEVATIONS	01 SEP 2021	.	A.6	STRUCTURAL PLANS	01 SEP 2021	29 SEP 2021
A.2	FLOOR PLANS	01 SEP 2021	09 AUG 2022	A.7	STRUCTURAL DETAILS	01 SEP 2021	.
A.3	WALL SECTIONS	01 SEP 2021	.	A.8	GENERAL NOTES	01 SEP 2021	.

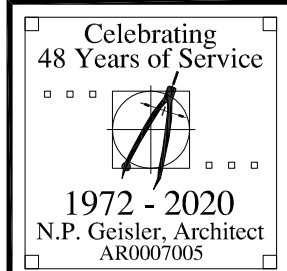
REVISION

Project: 2022
N.P. Geisler, Architect
Lake City, Florida

DRAWN:

128

ALTERATIONS & ADDITIONS TO RESIDENCE for:
MR. & MRS. JANAK PATEL
LAKE CITY, FLORIDA
COVER SHEET



DATE:

01 SEP 2021

CONTRACT:

2K2091

SHEET:

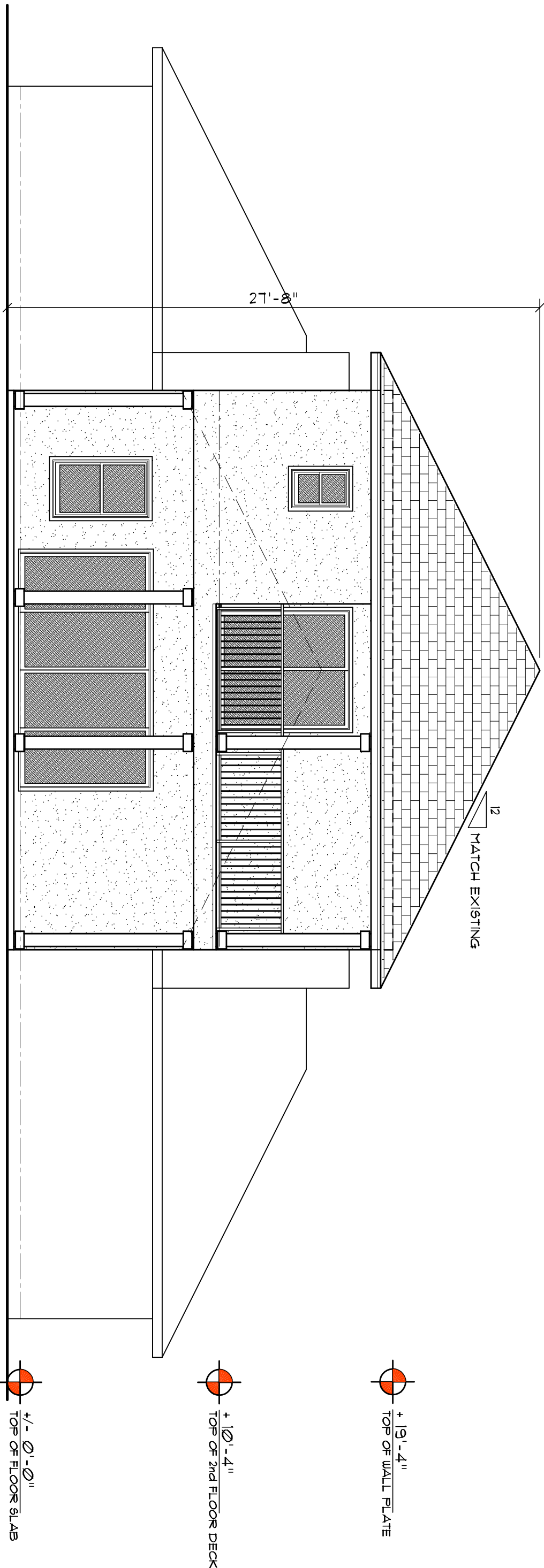
CS.1

1 of 1

Digitally signed by: N. P. GEISLER
DN: CN = N. P. GEISLER
C = US O = AR0007005
OU = ARCHITECT
Date: 2022.08.09 17:10:
37'-05'00'

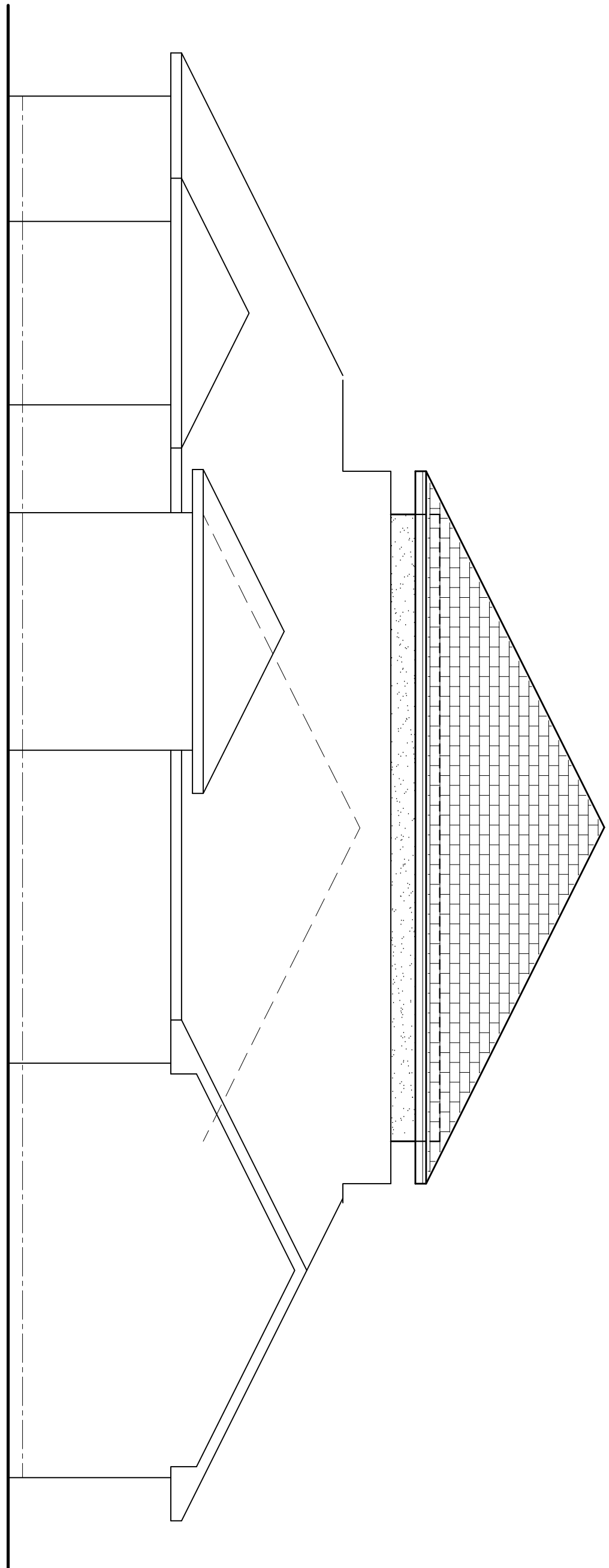
N. P. GEISLER

AR0007005



REAR ELEVATION

SCALE: 3/16" = 1'-0"



FRONT ELEVATION

SCALE: 3/16" = 1'-0"

MARK	DESCRIPTION	INSTALLATION	MODEL	NOTES
2030	SINGLE HUNG ALUM. 94SH W/ NBUL GLASS	1" ROOFING NAILS - 3 FEET FLANGE, MAX. 18" O.C.	SERIES 650	-
2050	SINGLE HUNG ALUM. 94SH W/ NBUL GLASS	1" ROOFING NAILS - 3 FEET FLANGE, MAX. 18" O.C.	SERIES 650	-
2-3050	SINGLE HUNG ALUM. 94SH W/ NBUL GLASS	1" ROOFING NAILS - 3 FEET FLANGE, MAX. 18" O.C.	SERIES 650	-

ALL WINDOWS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED BY THE MANUFACTURER. OTHER MANUFACTURED PRODUCTS SHALL BE CONSIDERED AS EQUAL IF THEIR U-VALUE AND AIR PERMEANCE MEETS OR EXCEEDS THESE U-VALUES.
NOTE: VERIFY ROUGH OPENING WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.

NOTE !!!
EXTERIOR DOORS SHALL MEET OR EXCEED THE U-VALUE REQUIREMENTS OF THE FOLLOWING PRODUCT:
SERIES ENERGY 6-3 WE INSULATED RESIDENTIAL
FIBERGLASS DOOR SYSTEMS

NOTE !!!
WINDOWS SHALL MEET OR EXCEED THE U-VALUE REQUIREMENTS OF THE FOLLOWING PRODUCT:
MILITARY PRODUCTS, INC.'S SERIES 800500 ALUMINUM
WINDOWS SINGLE UNIT 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 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AREA CALCULATION

GROSS 1st FLOOR AREA:	5800 SF
GROSS 2nd FLOOR AREA:	7100 SF
COVERED PORCH AREA:	3480 SF
OPEN DECK AREA:	2180 SF

TOTAL AREA:	18560 SF
GROSS CONDITIONED VOLUME:	116098 CF

ELECTRICAL PLAN NOTES

INSTALLATION SHALL BE PER 2008 N.A.T.L. ELECTRIC CODE.
WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MAINE SPECIFICATIONS.
CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.
ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.
PROVIDE 4 INSTALL CARBON MONOXIDE DETECTORS IN ALL BEDROOMS, 8 12" ADV FIN FL., INTERLOCKED TOGETHER.
TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.
ALL RECEPTICALS, NOT OTHERWISE DESIGNATED, SHALL BE ARC-FULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS, ALL RECEPTICALS IN KITCHEN AND BATHS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI).
ALL EXTERIOR RECEPTICALS SHALL BE WEATHER-PROOF GROUND FAULT INTERRUPTER TYPE (WPGFI).
ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DRAWG INDICATING ALL ELECTRICAL WORK INCLUDING ANY CHANGES TO THE ORIGINAL DRAWG. THE ELECTRICAL CONTR SHALL SUBMIT AS-BUILT DRAWG TO THE OWNER'S IDENTIFIED W/ CONTR. DESCRIPTION & BRKR SERVICE ENT. RISER DIA SHALL INCLUDE WIRE SIZE/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DRAWG TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

CONSTRUCTION NOTES

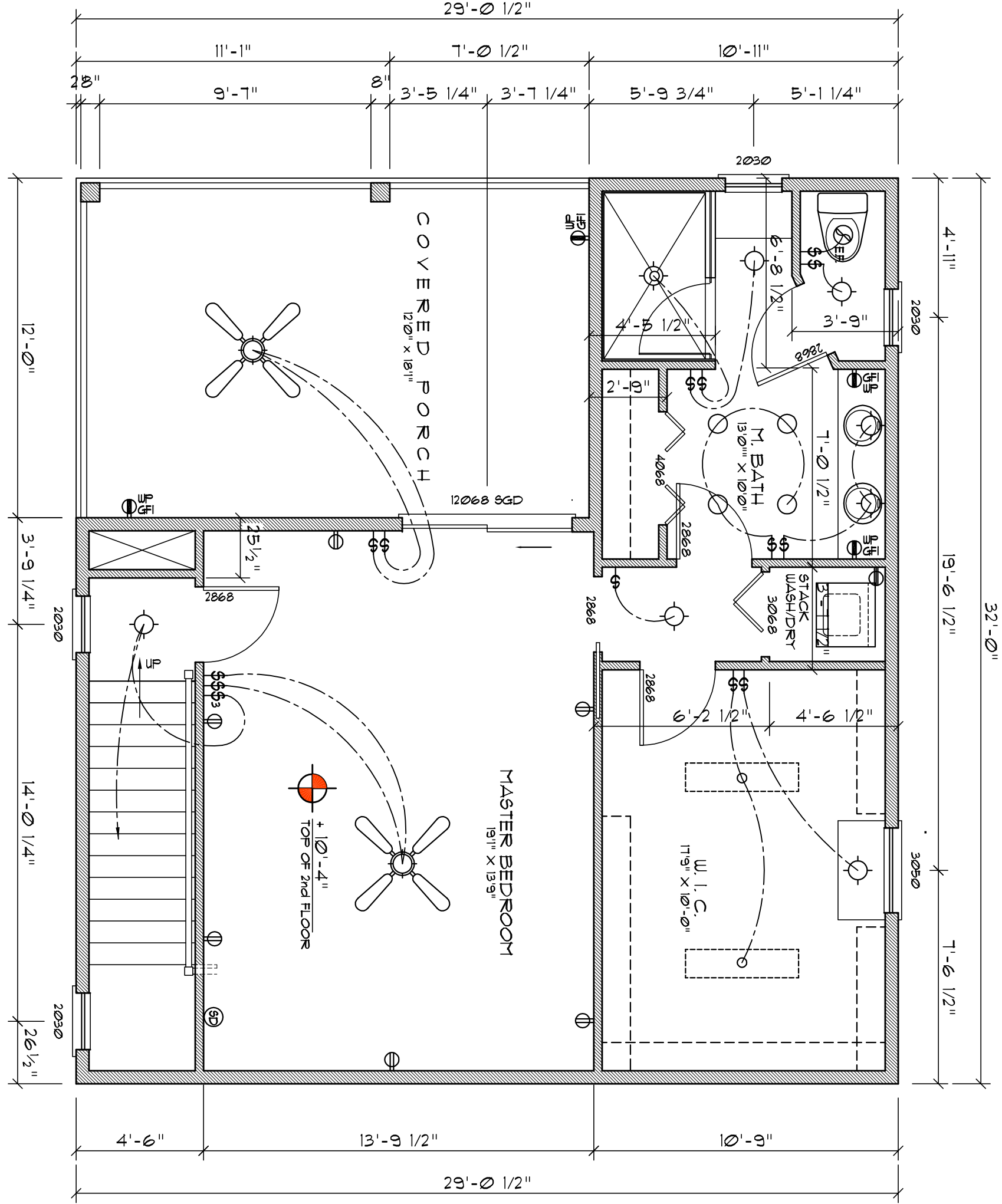
1. FIELD VERIFY ALL DIMENSIONS AND MATERIALS. ALL OUTSIDE DIMENSIONS ARE TO FACE OF FOUNDATION.
2. ALL NAILING CONSTRUCTION MATERIALS SHALL BE AS PER 2020 PEC.
3. N/A
4. N/A
5. CONTRACTOR SHALL CALL ATTENTION TO THE DESIGNER ANY DISCREPANCIES IN DRAWINGS AND/OR SPECIFICATIONS AND SHALL RECEIVE INSTRUCTIONS OR CLARIFICATIONS BEFORE PROCEEDING WITH THE PORTION OF THE WORK IN QUESTION.
6. ROOF & FLOOR TRUSS FRAMING PLANS ARE FOR GENERAL INFORMATION ONLY. THE TRUSS MANUFACTURER SHALL PROVIDE A DETAILED LAYOUT FOR TRUSSES AND FRAMING MEMBERS.
1. SHOULD CONDITIONS AT THE SITE BE FOUND MATERIALLY DIFFERENT FROM THOSE INDICATED BY THE DRAWINGS AND/OR SPECIFICATIONS, AND THE CONDITIONS USUALLY INHERENT IN THE WORK OF THE CHARACTER SHOWN AND SPECIFIED BE DIFFERENT FROM THE DESIGNER'S REPRESENTATION THEREOF, THE DESIGNER SHALL ATTENTION TO SUCH CONDITIONS BEFORE PROCEEDING.
8. N/A
9. DO NOT SCALE DRAWINGS. USE PRINTED DIMENSIONS ONLY.

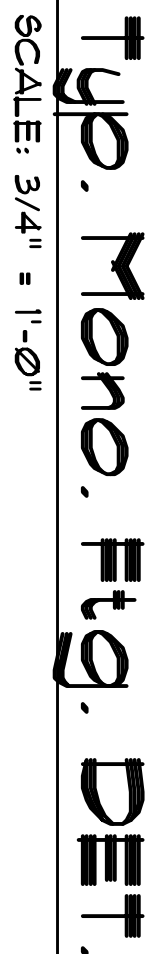
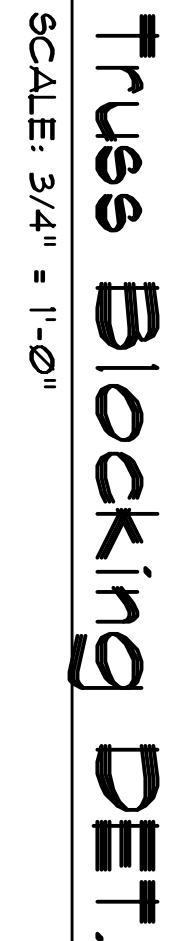
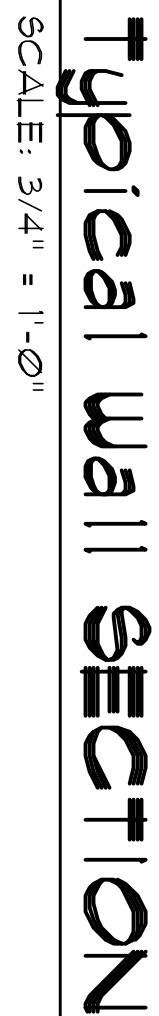
GENERAL INTERIOR FINISH SCHEDULE:

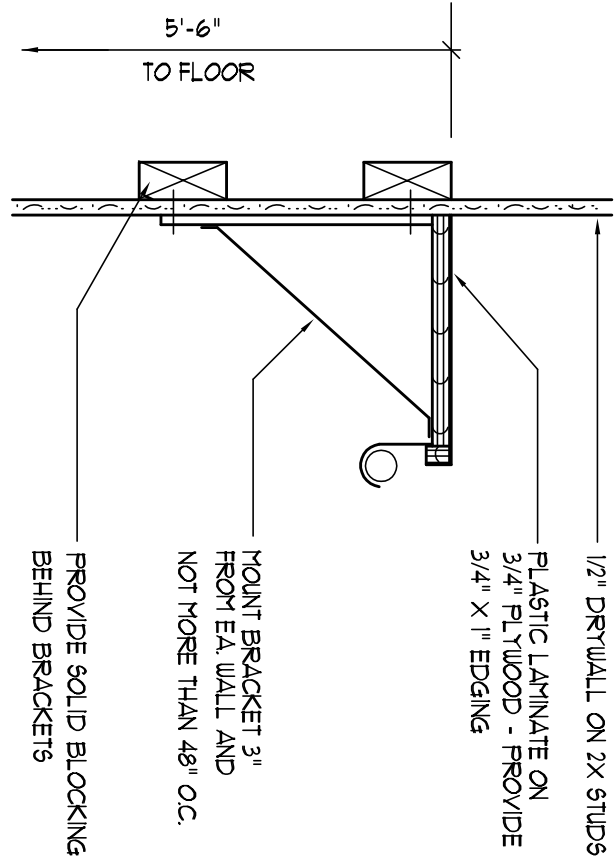
FLOOR AREA:	CARPET AND PAD PATTERN & COLOR AS PER THE OWNER OR LAMINATE STRIP WOOD - SEE OWNER FOR CHANGES
BEDROOM FLOOR:	THINSET CERAMIC TILE OR NATURAL STONE, PAT. & COLOR AS SELECTED BY THE OWNER
BASE:	TRIM AS PER DETAIL ON A3 COLOR AS SELECTED BY THE OWNER OR CERAMIC TILE OR STONE - MATCH WITH FLOORING
TRIM:	COVERS CROWN, CABINETS CHAIRS AND THE LIKE AS PER DETAIL ON A3, STAIN & VARNISH OR PAINT COLOR AS SELECTED BY THE OWNER
WALLS:	1/2" GIBB, PRIMEED AND PAINTED 2 COATS LATEX WALL PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
MAIN CEILING:	5/8" GIBB DIRECT HANG, TAPED & FINISHED W/ 2 COATS OF LATEX CEILING PAINT, COLOR & GLOSS AS SELECTED BY THE OWNER
APPLIED FINISHES:	APPLIED FINISHED TO GIBB, 16 GREY, ROCK-DOWN SKI-TROUSEL AND SIMILAR TREATMENTS AS DIRECTED BY THE OWNER
CABINETS:	AS SELECTED BY THE OWNER, MINIMUM 40" GRADE, "CUSTOM" - ALL COUNTERTOPS SHALL BE AS SELECTED BY THE OWNER

2nd FLOOR PLAN

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

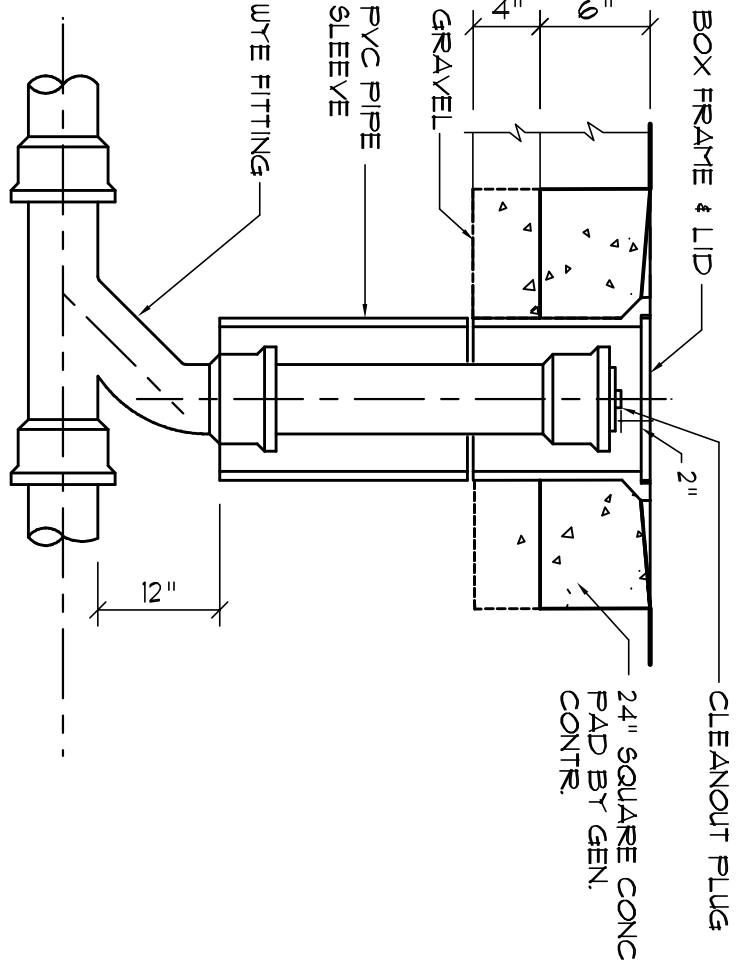






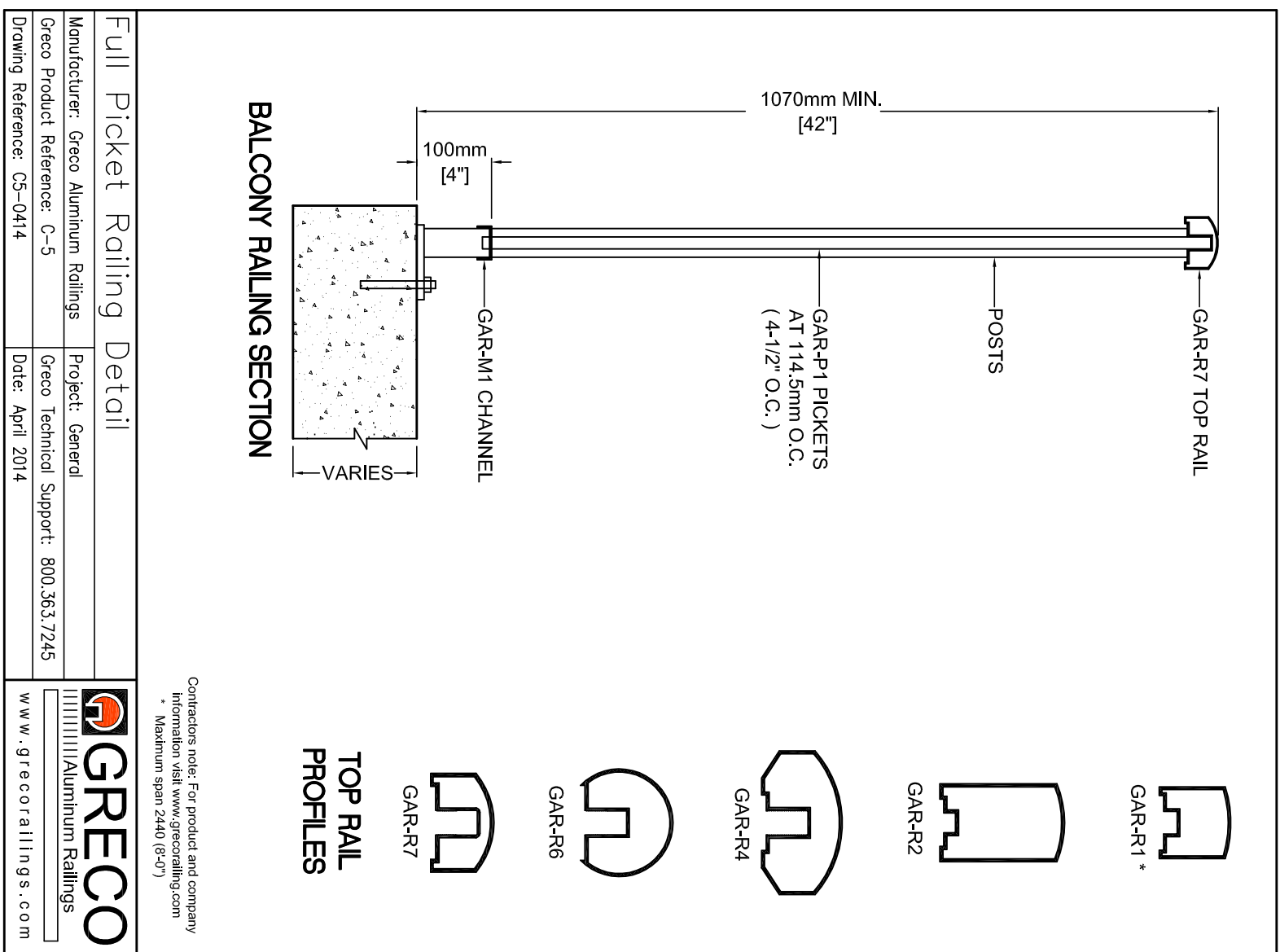
Closest Rod & Shelf Detail

SCALE: NONE



Outdoor Cleanout Detail

N.T.S.

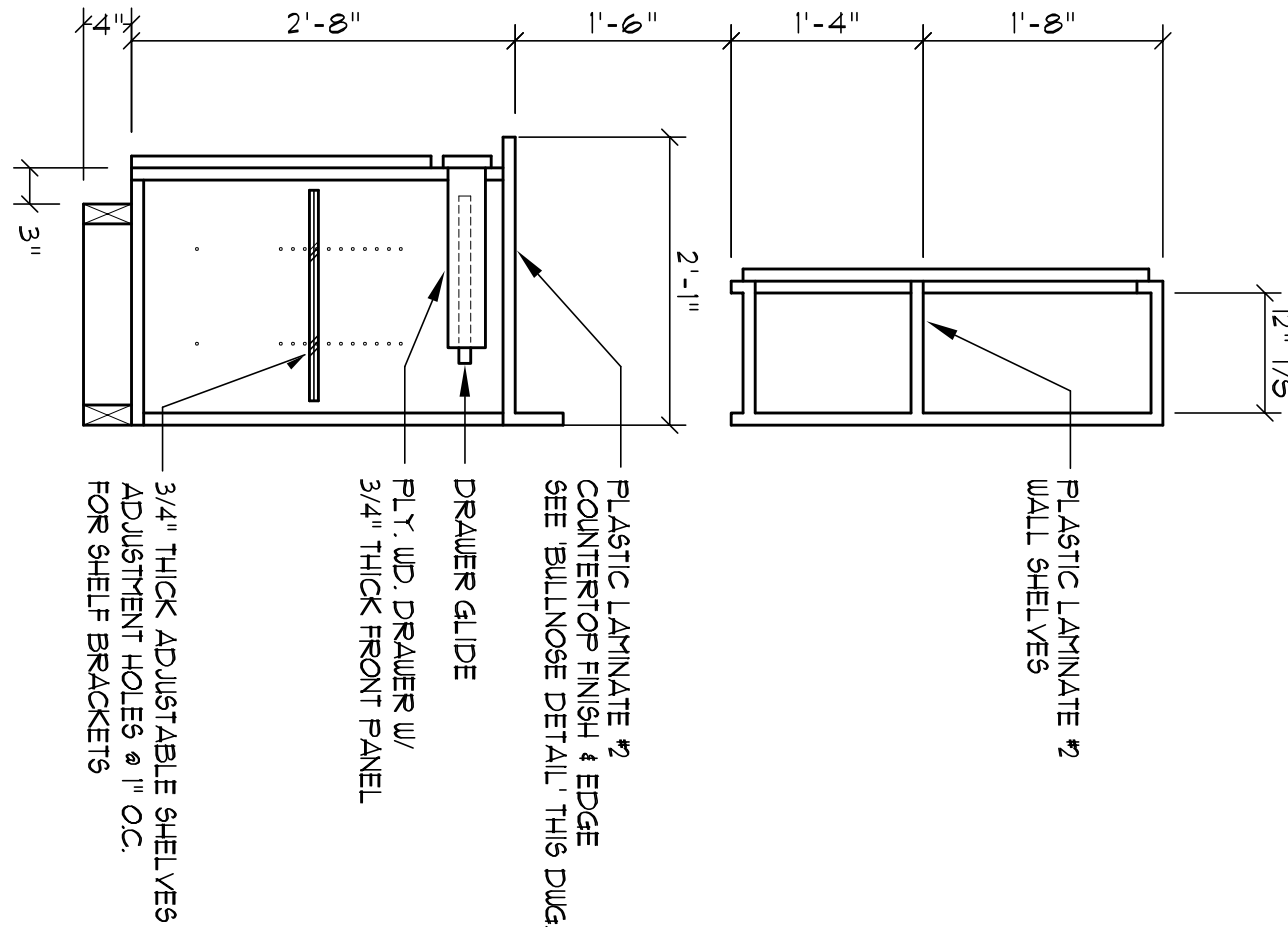


BALCONY RAILING

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

NOTE: ENGINEERED SHOP DRAWINGS REQUIRED

NOTE:
THESE CABINET DETAILS ARE GENERAL IN NATURE & PROVIDE A BASIS FOR ACTUAL CABINET CONSTRUCTION.
NOTE:
PROVIDE 2X6 BACKING AT ALL OVERHEAD CABINET LOCATIONS, FLUSH WITH FACE OF FRAMING - TOP OF BACKING TO BE 1'-0" AFF.



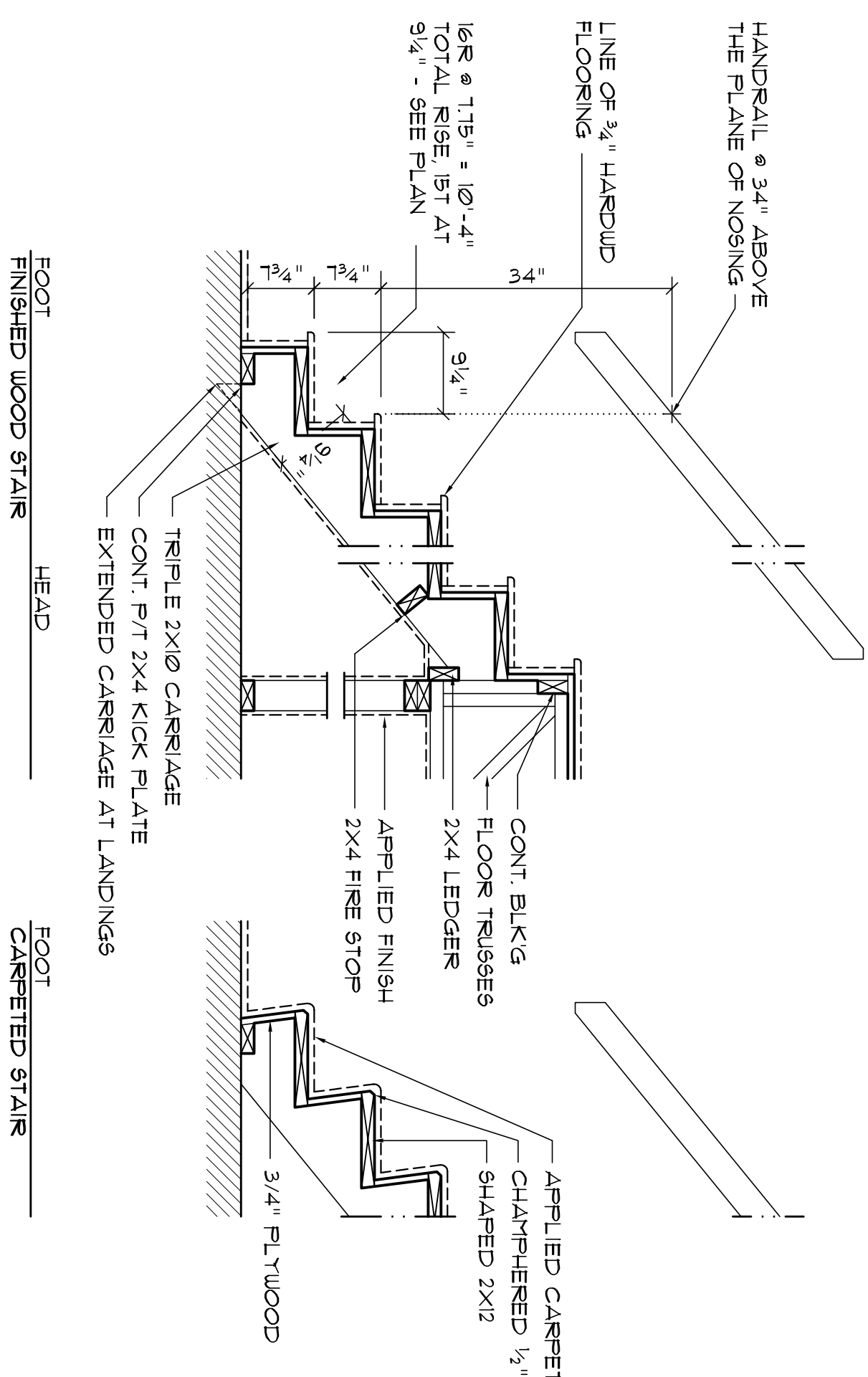
Base & O/H Cab.

SCALE 3/4" = 1'-0"

NOTE:
CABINET'S COUNTERS, SHELVES AND THE LIKE SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF QUALITY AS OUTLINED IN THE NOTES TITLED "GENERAL MILLWORK NOTES", AND SHALL INCLUDE THE FOLLOWING: ALL MILLWORK SHALL BE PROVIDED BY THE OTHER TRADES INDICATED AS PROVIDED BY LOCATION AND EXTENT OF THE WORK - UNLESS DETAILED CABINET PLANS ARE INCLUDED WITH THIS PLANS PACKAGE ALL OTHER PHYSICAL CHARACTERISTICS SHALL BE AS DIRECTED BY THE OWNER.

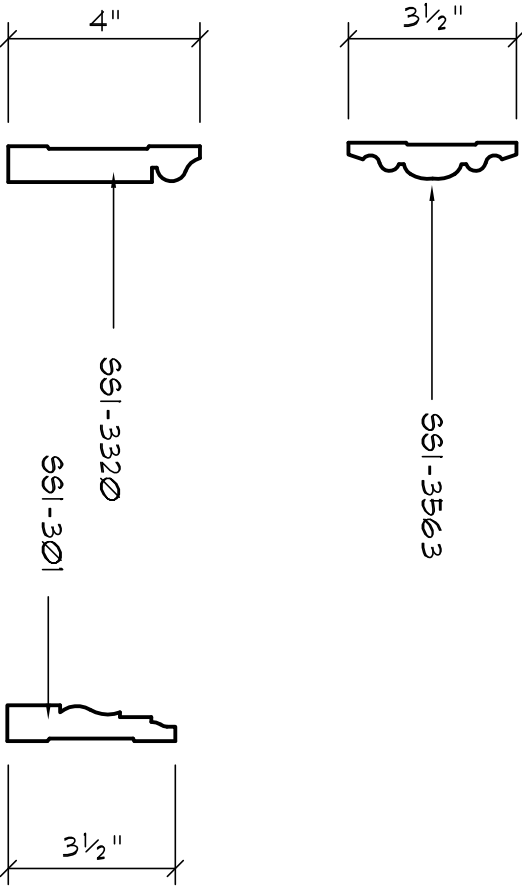
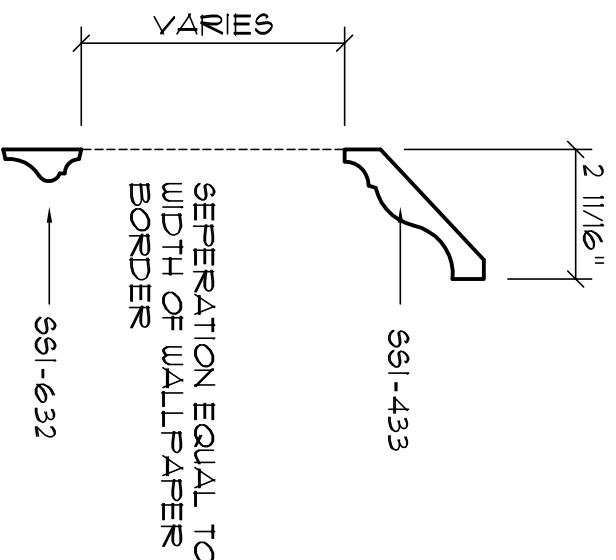
Typ. Cabinet Details

SCALE 3/4" = 1'-0"



Typical Stair Detail

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

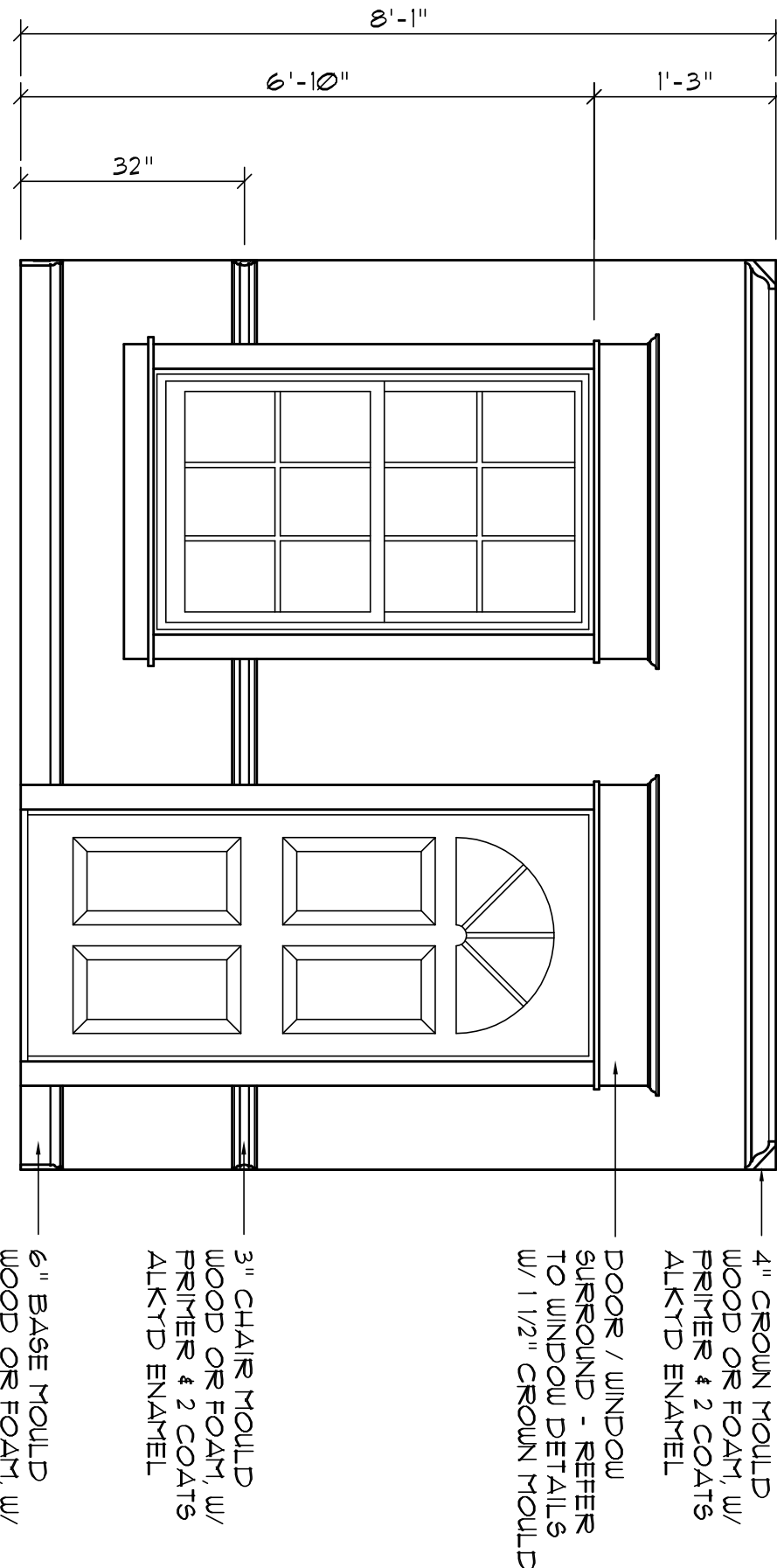


NOTE 111
ALL PROFILES AS PER 646 CRAFTSMAN INC., TAMP A FLORIDA TRIM WOOD SPECIES SHALL BE "POP LAM" FOR STAIN FINISH, OR "FINGER-JOINT FINE" FOR PAINTED FINISH.

Wall/Ceiling Trim Detail

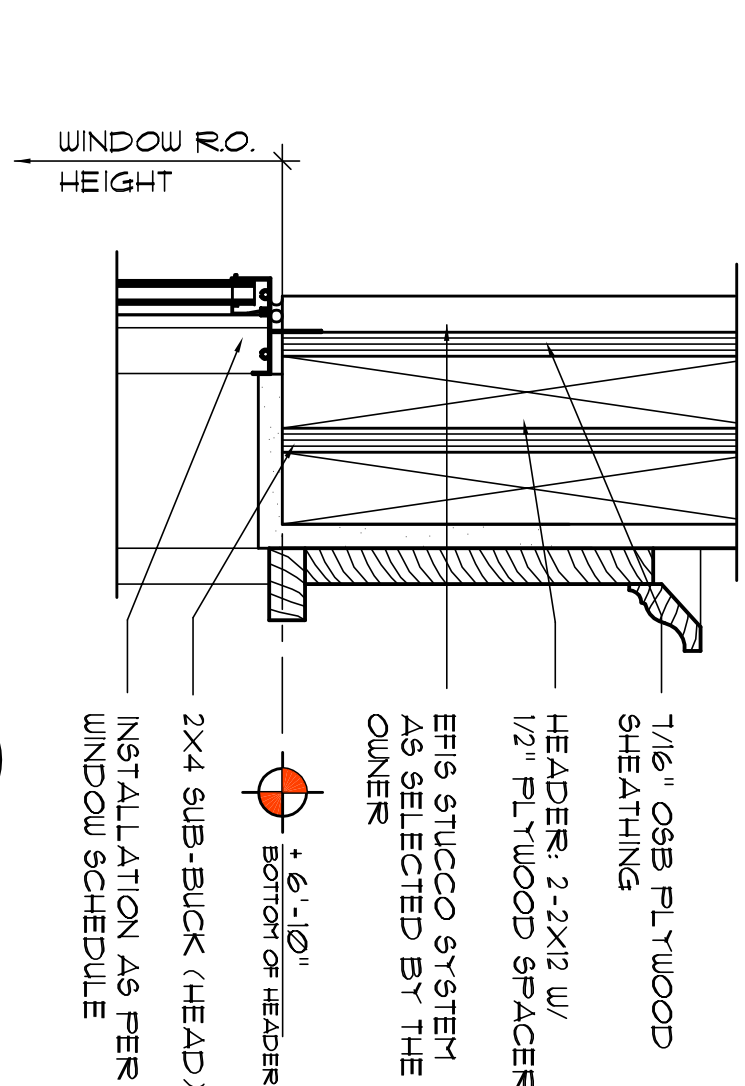
SCALE: 3" = 1'-0"

ALTERNATE N°2:
FOR TRIM TYPE T1 2" DENTAL MOLDING MAY BE INSERTED BETWEEN 661-456 AND 661-3346



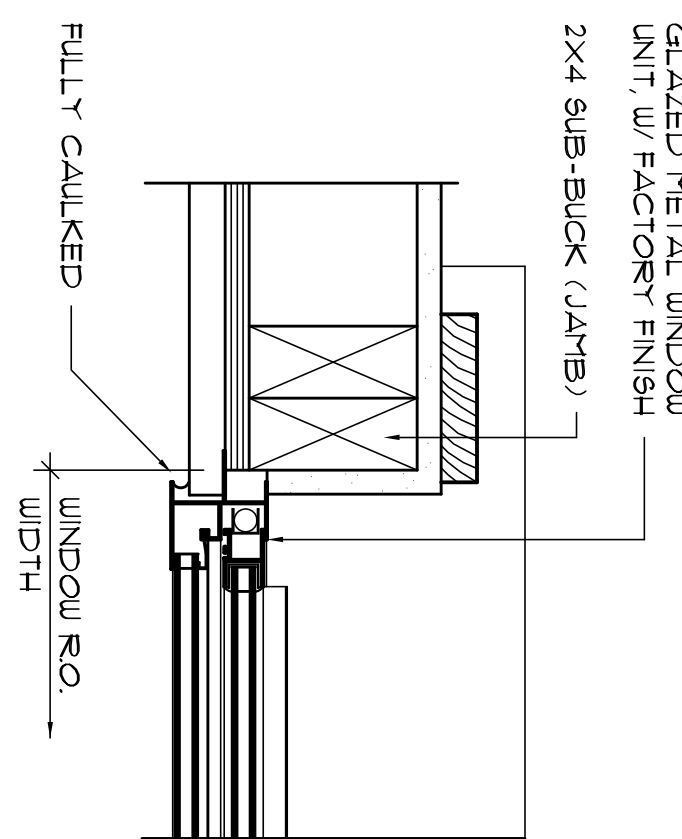
Int. Wall Trim Detail

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



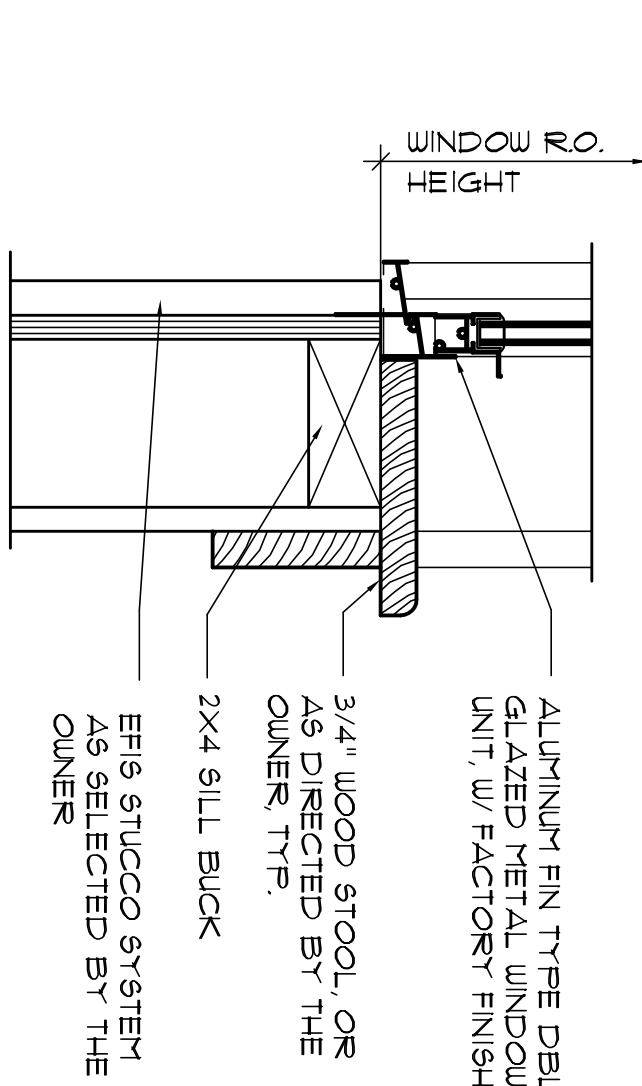
HEAD DETAIL MTL. SASH

SCALE: 3" = 1'-0"



JAMB DETAILS MTL. SASH

SCALE: 3" = 1'-0"



SILL DETAIL MTL. SASH

SCALE: 3" = 1'-0"

Typical Window Details

SCALE: 3" = 1'-0"

REWORK

DATE: 01 SEP 2021
COM: 2K2091

DRAWN: 128

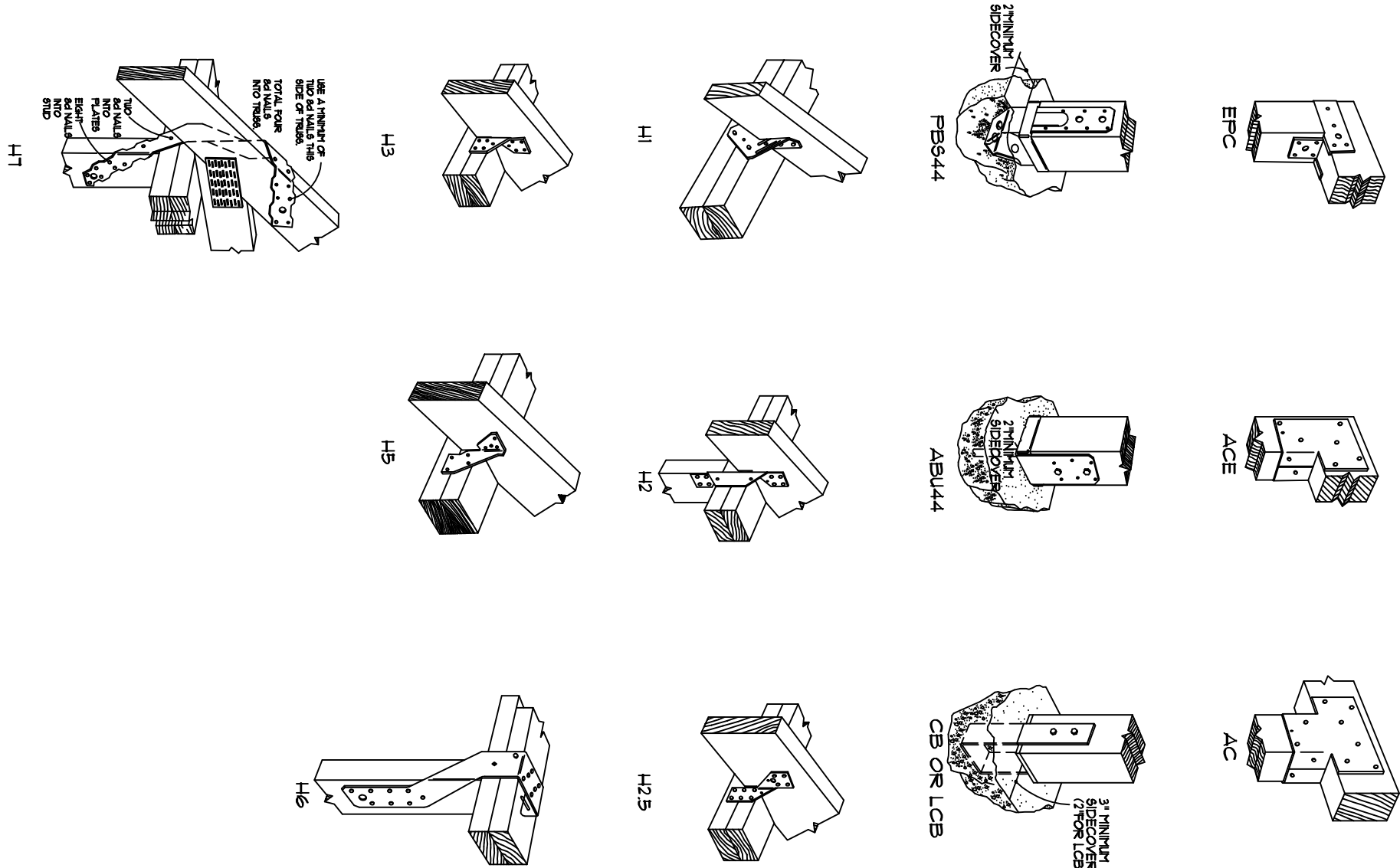
ALTERATIONS & ADDITIONS TO RESIDENCE for:
MR. & MRS. JANAK PATEL
LAKE CITY, FLORIDA
ARCHITECTURAL DETAILS

Celebrating
48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-365-4355

DATE: 01 SEP 2021
COM: 2K2091
SHEET: A.4
4 of 8

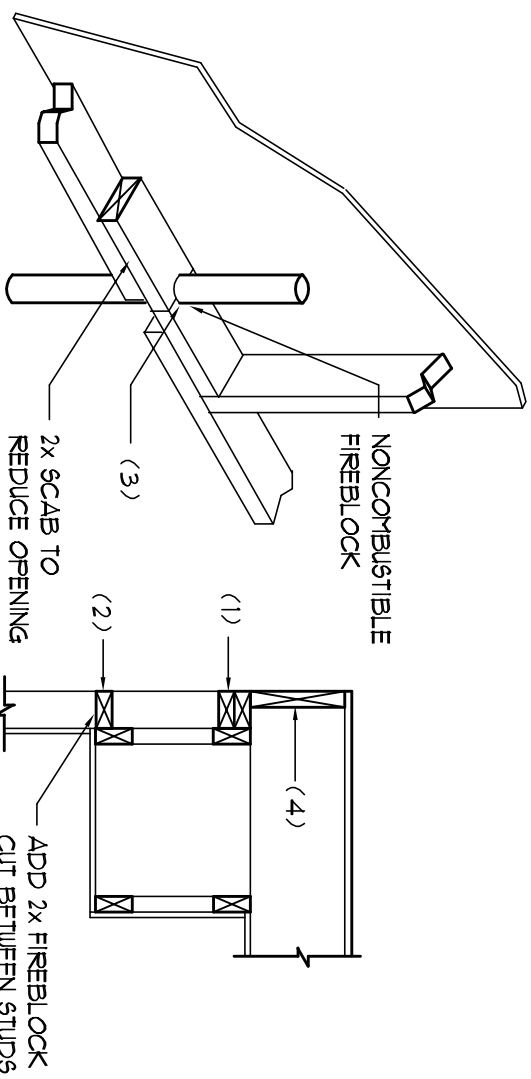
AR0007005



Typical "Simpson" Connectors

SCALE: NONE

A



PENETRATIONS

SOFFIT/DROPPED CLG.

FIREBLOCKING NOTES:

1. FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
2. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING PARALLEL SPACES AT CEILING AND FLOOR LEVELS.
3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH PYRO-PAANEL, MULTIFLEX SEALANT.
4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS. FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping Details

SCALE: NONE

B

GENERAL NOTES:

1. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL LIABILITY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL MAINTAIN RECORDS OF ALL WORK DONE, INCLUDING THE DATE OF INSPECTIONS AND CORRECTIONS, AND THE DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMPLETION OF THE WARRANTY PERIOD. FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED, THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT, BE THEY CITY, COUNTY, STATE OR FEDERAL.
5. THE OWNER SHALL FILE A NOTICE OF COMPLETION PRIOR TO THE BEGINNING THE PROJECT AND PROVIDE RELEASE OF LIEN FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
6. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
7. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND LOCAL ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE, ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABELS LEFT INTACT ON THE UNEXPOSED AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
9. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVE TREATED.
10. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE DESIGN U333. BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
11. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE DESIGN U333, INCLUDING R-11 BATT INSULATION.
12. CEILING OVER ATTACHED GARAGES OR GARAGES WITH LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GIB ON 1x3 LUDGING AT 16" O.C. ATTACHED WOOD GARAGEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.

STANDARD ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AT	ALUMINUM	GAUV	GALVANIZED
•	NUMBER OF POUNDS	HORZ	HORIZONTAL
±	EQUALS	INS	INSULATION
Ø	DIAMETER	INT	INTERIOR
W	WIND	LAY	LAYDOWN
W/O	WITHOUT	LVL	LAMINATED VENEER LAYER
Ø	CENTRE LINE	MAX	MAXIMUM
4	AND	MISC	MISCELLANEOUS
W/O	FLUSH OR FINISH	MISC	MISCELLANEOUS
1"	ONE FOOT	NO	NO
1"	ONE INCH	NO	NO
1/4" or 1/2"	ONE QUARTER INCH	OC	ON CENTER
8d	8 Penny	OH	OVERHEAD
BY	BY OTHERS	OPD	OVERHEAD DOOR
BO	BOTTOM	FLY	FLYWOOD
BY OTHERS	BY OTHERS	PT	PRESSURE TREATED
CLG	CEILING	REIN	REINFORCING (RD)
CONC	CONCRETE	REQD	REQUIRED
CONC	CONCRETE	RL	ROOM
CORNG	CLEANOUT TO GRADE	RO	ROAD OPENING
DBL	DOUBLE	SD	SIDING FEET
DN	DOWN	SGD	SIDING GLASS DOOR
DN	DOWN	SH	SHEET
ELEV	ELEVATION	SHL	SHIMMER FIBER LOG HOPES
EXT	EXTERIOR	TYP	TYPICAL
F	FRENCH (DOORS)	VERT	VERTICAL
FDL	FOUNDATION	WC	WATERCLOSET (TOILET)

PROJECT INFORMATION / NOTES:

- DESIGN VALUES/LOADS & CODES**
WIND DESIGN SPEED: 130 MPH, UNLESS NOTED OTHERWISE
SOIL DESIGN STATEMENT:
FOUNDING DESIGN IS BASED UPON 1000PSF SOIL BEARING. PRESERVE PROVIDED BY CLEAN SAND GRAVEL OR STONE. OTHER SOIL CONDITIONS (e.g. CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS) SHALL REQUIRE FOUNDATION MODIFICATIONS.
LIVE LOADS: IN FLOOR AREAS, 2nd FLOOR, 100PSF. ROOF, 15 PSF. UNLESS OTHERWISE NOTED.
DESIGN WIND SPEED: 130 MPH.
BUILDING CODE: 2020 FLORIDA BUILDING CODE
ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - 2020
LIFE SAFETY: NFPA-701 - LATEST
- CONSTRUCTION DOCUMENTS**
THE CONTRACTOR IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS, ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR MODIFICATION OF ANY MATERIALS.
- DO NOT SCALE OFF THESE PLANS**
ALL DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SPLIT EARTHWORK ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. ITEMS NOT DIMENSIONED.
- CHANGES TO FINAL PLAN SETS**
PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR SUBSTITUTION, DAMAGE, RESULTING FROM CHANGES MADE TO THE PLANS FOR THE SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.

TERMITE PROTECTION NOTES:

- SOIL CHEMICAL BARRIER METHOD:**
1. A PERMANENT SOIL WHICH IDENTIFIES THE TERMITE TREATMENT PROCEDURE AND NEED FOR RETREATMENT AND TREATMENT CONTRACT REMEDIAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 904.2.6
 2. CONDEMNATION AND ROOF DOWNPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 903.3.4
 3. IRREGULAR/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 903.3.4
 4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION BETWEEN WALL STUDS AND FINAL EXTERIOR FINISH SHALL NOT BE LESS THAN 6'-0".
 5. THICK CONCRETE DIRECTLY TO THE FOUNDATION SHALL BE 12" MIN. 5/8" THICK CONCRETE DIRECTLY TO THE FOUNDATION SHALL BE 12" MIN.
 6. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 904.1.1
 7. TREATMENT SHALL BE RETREATED INCLUDING SPACES BENEATH OR EXPOSED. FBC 904.1.2
 8. EXPOSED AREAS IN CONCRETE FLOOR FOR EXISTING INSTALLATION SHALL BE REPAIRED TO ORIGINAL FINISH. FBC 904.1.3
 9. FORMS PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 904.1.3
 10. MINIMUM 6" VAPOR BARRIER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL/POLLUTION IF RAINFALL OCCURS BEFORE VAPOR BARRIER IS INSTALLED. FBC 904.1.3
 11. EXTERIOR VERTICAL CHEMICAL BARRIERS MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISBURBED AFTER THE VERTICAL BARRIER IS APPLIED SHALL BE RETREATED. FBC 904.1.3
 12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 904.1.1
 13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "I, THE UNDERSIGNED, A LICENSED PEST CONTROL COMPANY, HAVE INSPECTED THE BUILDING AND FOUND IT TO BE IN COMPLIANCE WITH THE FLORIDA TERMITE TREATMENT RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. FBC 904.1.1
 14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GROUNDING MATERIAL. FBC 1203.1.3
 15. NO WOOD VEGETATION STUMPS, CARBOXYD, TRASH, ETC. SHALL BE BURIED WITHIN 5'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 1203.1.4

FLORIDA BUILDING CODE COMPLIANCE SUMMARY

TYPE OF CONSTRUCTION	ROOF	WALL	FLOOR	FOUNDATION
1. ROOF: Hip Construction Used Trusses @ 24" O.C.	1. ROOF: Hip Construction Used Trusses @ 24" O.C.	1. ROOF: Hip Construction Used Trusses @ 24" O.C.	1. ROOF: Hip Construction Used Trusses @ 24" O.C.	1. ROOF: Hip Construction Used Trusses @ 24" O.C.
2. WALL: 2x6 Studs @ 16" O.C.	2. WALL: 2x6 Studs @ 16" O.C.	2. WALL: 2x6 Studs @ 16" O.C.	2. WALL: 2x6 Studs @ 16" O.C.	2. WALL: 2x6 Studs @ 16" O.C.
3. FLOOR: 4" Thick Concrete Slab w/ Fiberglass Concrete Additive	3. FLOOR: 4" Thick Concrete Slab w/ Fiberglass Concrete Additive	3. FLOOR: 4" Thick Concrete Slab w/ Fiberglass Concrete Additive	3. FLOOR: 4" Thick Concrete Slab w/ Fiberglass Concrete Additive	3. FLOOR: 4" Thick Concrete Slab w/ Fiberglass Concrete Additive
4. FOUNDATION: Continuous Stemwall Footing	4. FOUNDATION: Continuous Stemwall Footing	4. FOUNDATION: Continuous Stemwall Footing	4. FOUNDATION: Continuous Stemwall Footing	4. FOUNDATION: Continuous Stemwall Footing

NO.	TYPE	WIND	WIND	WIND	WIND
1	WIND	WIND	WIND	WIND	WIND
1	10	10.0 / .333	10.0 / .333	10.0 / .333	10.0 / .333
2	20	10.0 / .166	10.0 / .166	10.0 / .166	10.0 / .166
3	30	10.0 / .111	10.0 / .111	10.0 / .111	10.0 / .111
4	40	10.0 / .083	10.0 / .083	10.0 / .083	10.0 / .083
5	50	10.0 / .067	10.0 / .067	10.0 / .067	10.0 / .067

BLDG.	EXPOSURE	WIND	WIND	WIND	WIND
HEIGHT	WIND	WIND	WIND	WIND	WIND
15	100	121	141	161	181
20	100	123	143	163	183
25	100	125	145	165	185

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLETES WITH THE REQUIREMENTS OF THE 2021 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
2. WIND LOAD CRITERIA, RISK CATEGORY: 2
BASED ON ANALYSIS: 1-10, 2021 FBC 1609-4 WIND VELOCITY: V=117, 130 MPH
WIND DIRECTION: 0°
WIND SPEED: 130 MPH
WIND PRESSURE: 130 PSF
WIND UPLIFT: 130 PSF
3. ROOF DESIGN LOADS:
ROOF DESIGN LOADS: 10 PSF
ROOF DESIGN LOADS: 10 PSF
ROOF DESIGN LOADS: 10 PSF
4. FLOOR DESIGN LOADS:
FLOOR DESIGN LOADS: 10 PSF
FLOOR DESIGN LOADS: 10 PSF
FLOOR DESIGN LOADS: 10 PSF
5. WIND NET UPLIFT: ARE AS INDICATED ON TRUSS SHOP DRAWINGS

SYMBOLS

THESE SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE FOLLOWING DRAWINGS: ELEVATION, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS

SYMBOL	DESCRIPTION
ELEV	TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT.
ELEV	TYPE OF ELEVATION MARK USED TO INDICATE THE TOP OF A LOG WALL STACK - NOMINAL ONLY.
SECTION	TYPE OF DETAIL MARK USED TO INDICATE A SECTION - AS SHOWN ON SHEET 14.5, TAIL INDICATES DIRECTION OF VIEW.
SECTION	TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW.
SECTION	TYPE OF DETAIL MARK USED TO INDICATE A SECTION - AS SHOWN ON SHEET 14.5, TAIL INDICATES DIRECTION OF VIEW.
SECTION	TYPE OF DETAIL MARK USED TO INDICATE A SECTION - AS SHOWN ON SHEET 14.5, TAIL INDICATES DIRECTION OF VIEW.

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF/MODEL	CAP.
1. TRUSS TO WALL:	SIMPSON 1255	5555
2. GABLE TRUSS TO POST/HANGER	SIMPSON LGT W/ 26" 16d NAILS	1185*
3. HANGER TO JOIST STUD (6):	SIMPSON 5722	1370*
4. PLATE TO FOUNDATION	5/8" X THRU-BOLT	3340*
5. PORCH BEAM TO POST:	SIMPSON FC41EFC44	1700*
6. PORCH POST TO RD:	SIMPSON 4E144	2200*
7. MISC. JOINTS	SIMPSON 434	3574/40*

NOTE: ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH UNLESS NOTED OTHERWISE.

NOTE: REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/JOINT REINFORCEMENT AND FASTENERS.

NOTE: ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON 434 PLATING ANCHORS, TYPICAL I.D.

NOTE: SPECTRA PRODUCT APPROVAL: 25-00885

NOTE: MANUFACTURE COUNTY REPORT #25-00885

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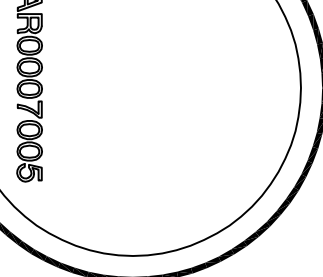
NUMBER OF NAILS FOR CONNECTING WOOD MEMBERS:	COMMON NAILS	N. / SPACING
1. BRIDGING TO JOIST TOE NAIL	16d	2 EA END
2. BRIDGING TO JOIST TOE NAIL	16d	2
3. BRIDGING TO JOIST TOE NAIL	16d	2
4. BRIDGING TO JOIST TOE NAIL	16d	2
5. BRIDGING TO JOIST TOE NAIL	16d	2
6. BRIDGING TO JOIST TOE NAIL	16d	2
7. BRIDGING TO JOIST TOE NAIL	16d	2
8. BRIDGING TO JOIST TOE NAIL	16d	2
9. BRIDGING TO JOIST TOE NAIL	16d	2
10. BRIDGING TO JOIST TOE NAIL	16d	2

GENERAL NAILING SCHEDULE:

1. NAILING TO JOIST TOE NAIL
2. NAILING TO JOIST TOE NAIL
3. NAILING TO JOIST TOE NAIL
4. NAILING TO JOIST TOE NAIL
5. NAILING TO JOIST TOE NAIL
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9. NAILING TO JOIST TOE NAIL
10. NAILING TO JOIST TOE NAIL

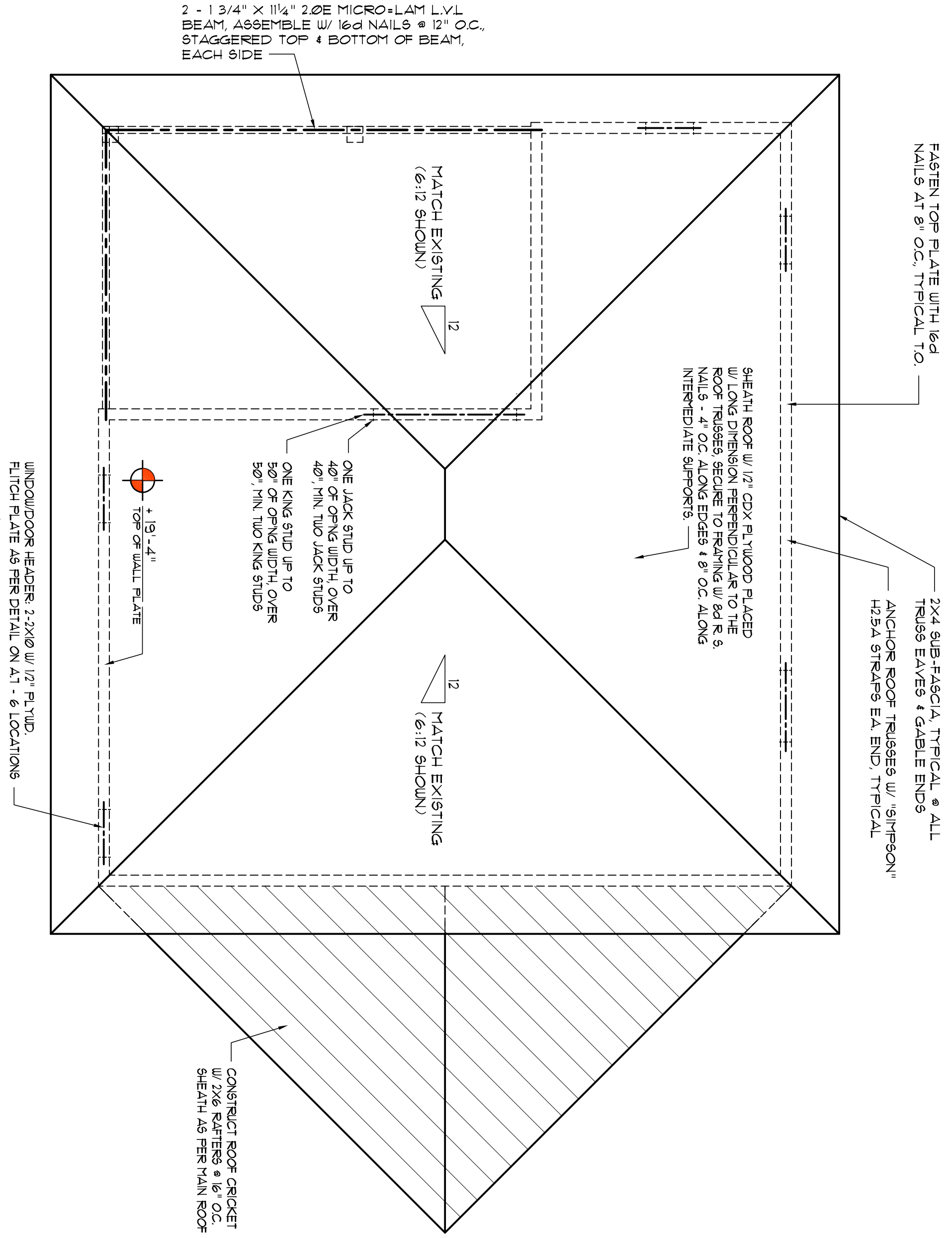


DATE	01 SEP 2021
CONTRACT	2K2091
SHEET	5 OF 8



ALTERATIONS & ADDITIONS TO RESIDENCE FOR:
MR. & MRS. JANAK PATEL
LAKE CITY, FLORIDA
STRUCTURAL INFORMATION

REVISION	1758
DATE	01 SEP 2021
BY	1758
FOR	1758



ROOF PLAN

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

NOTE!

ANCHOR WOOD TRUSSES TO HEADER WITH 2 (SIMPSON) L672 G/7 ANCHORS - ANCHOR HEADS TO KING STUDS W/ 2 (SIMPSON) 5722 EA END - 11P, 10.

EXTERIOR WALL SHEATHING:

APPLY VERTICAL 1/2" OSB 48" X 96" 1293 11P OR 148" SHEATHING FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d RING SHAK NAILS @ 3' OC OR 6d RING SHAK NAILS @ 4' OC. FASTEN TO EACH STUD WITH EITHER 6d RING SHAK NAILS @ 8' OC OR 6d R5 NAILS @ 8' OC.

NOTE!

ALL UPLIFT CONNECTORS SHALL BE FIELD ADJUSTED TO MATCH OR EXCEED THE DEVELOPED LOADS PER ENGINEERED TRUSS SHOP DRAWINGS

NOTE!

ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RESISTANT CAULKING INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0" PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES NOTED ABOVE

WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION REQUIRED FOR SAFE AND STABLE CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY 1" PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE LINES OF THE TRUSS PLATE INSTITUTE.
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN 1/2" HEM-FIR OR BETTER
- CONNECTORS FOR WOOD TRUSSING SHALL BE GALVANIZED METAL OR SHALL BE PLACED IN 1/2" LIFTS. BOTH SUB-SOIL AND FILL COMPACTED SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA OR RACTION THEREOF FOR EACH 1/2" LIFT.

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFACTURER/MODEL	CAP
TRUSS TO WALL	SIMPSON 10253	560P
ANCHOR TRUSS TO POST/HEADER	SIMPSON 167	789P
ANCHOR TRUSS TO KING STUD (6")	SIMPSON 972	1370P
STUD TO SILL	SIMPSON 997	1065P
POST BEAM TO POST	SIMPSON 2646/EPCC66	1565P
POST BEAM TO FHD	SIMPSON 1446	1200P
MISC. JOINTS	SIMPSON 1431	3871/140P

NOTE: ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH UNLESS NOTED OTHERWISE.

NOTE: REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/JOINT REINFORCEMENT AND FASTENERS.

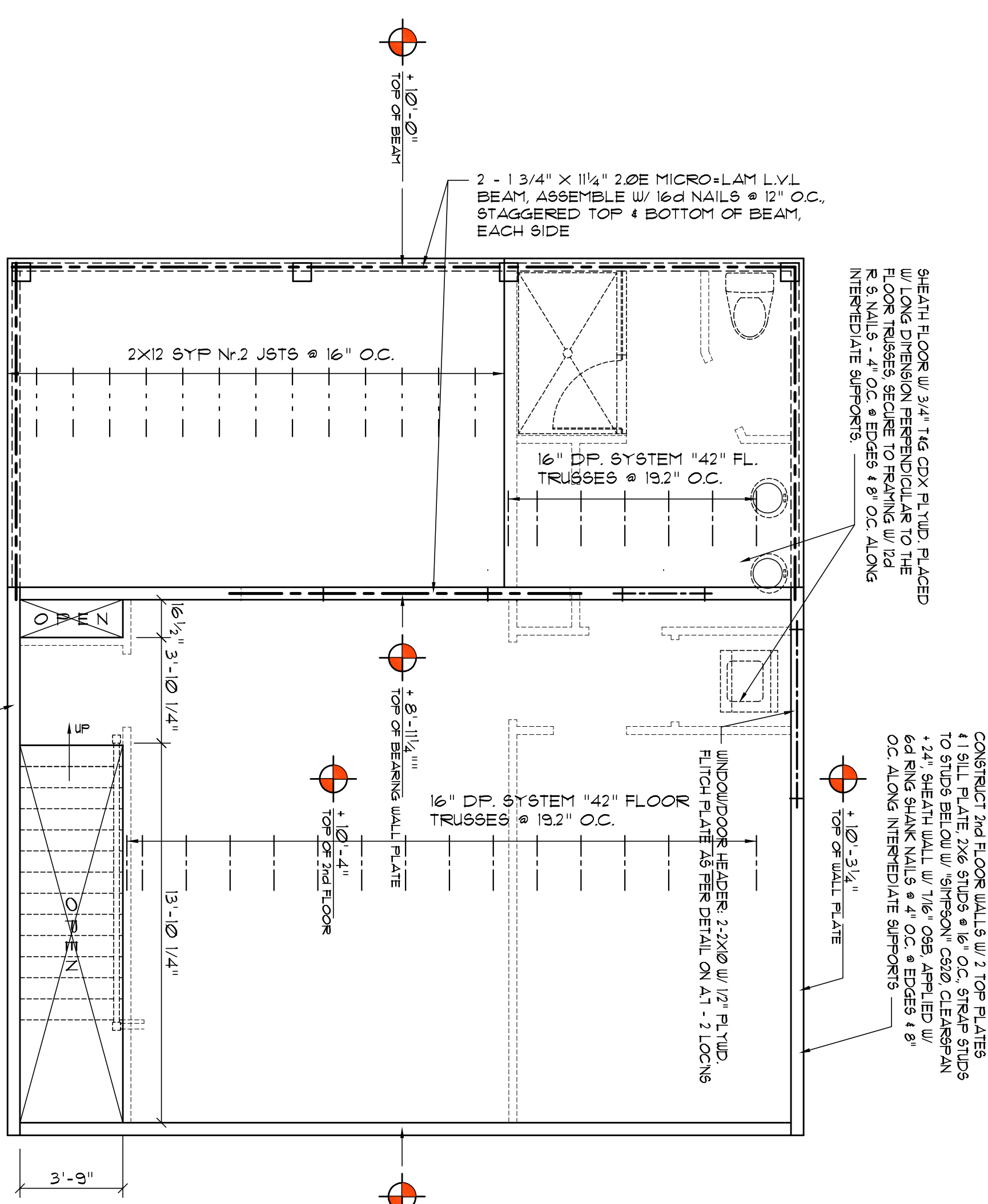
NOTE: ALL FASTENED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON 5647 RENDING ANCHORS TYPICAL TO.

NOTE: SIMPSON PRODUCT APPROVALS

MINNESOTA COUNTY REPORT 5/10/01/05, 5% 126.11, 9% 06/13/04, 95C/1 NER-443, NER-333

CONCRETE / MASONRY / METALS GENERAL NOTES:

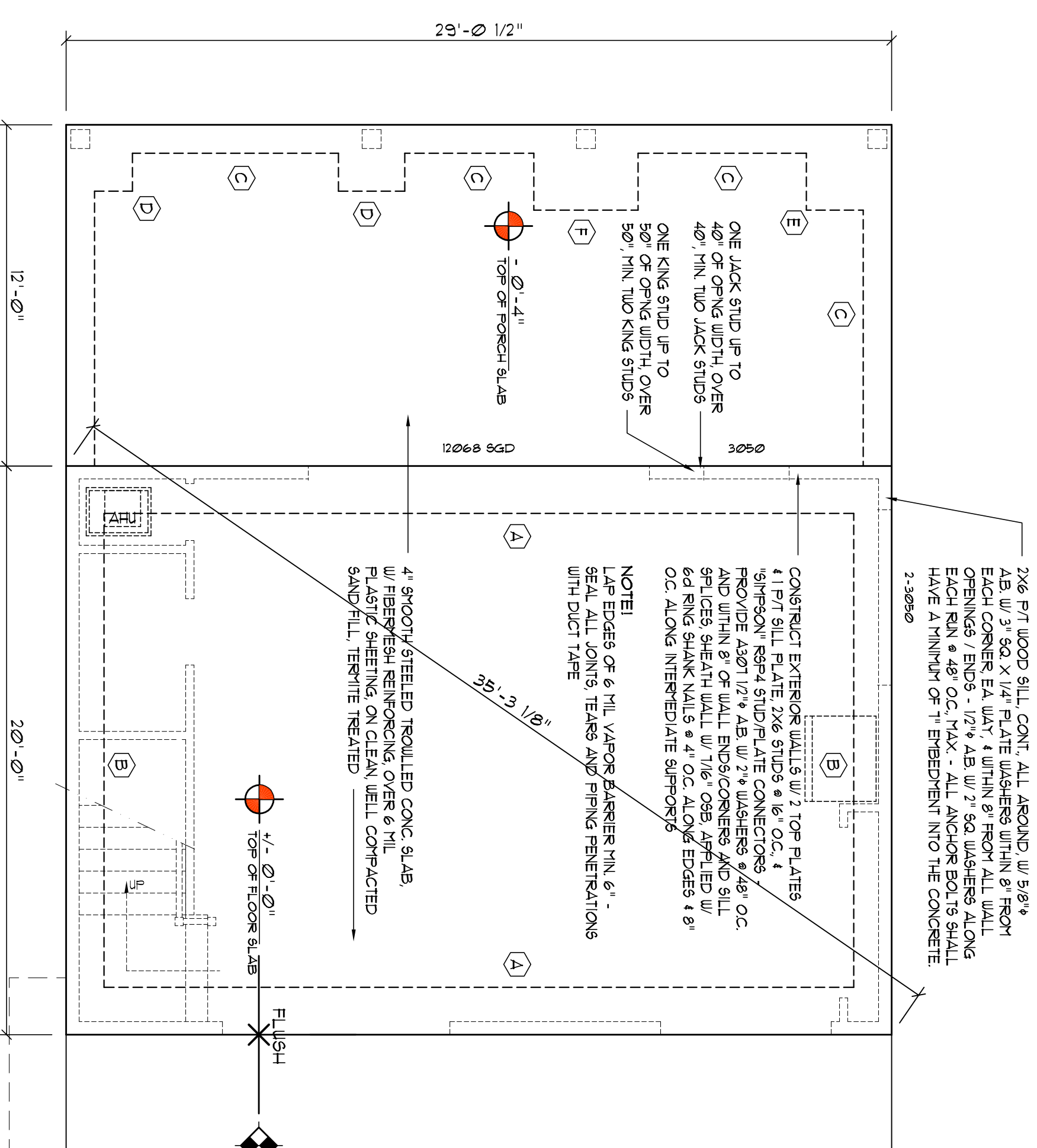
- DESIGN SOIL BEARING PRESSURE: 15000 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL ALTERNATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE SPECIFIED. ALL BE REINFORCED TO DETERMINE THE SUABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GR. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTED SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA OR RACTION THEREOF FOR EACH 1/2" LIFT.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A605. ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A495 - MIN. YIELD STRESS: 55 KSI.
- CONCRETE SHALL BE STANDARD MIX FC = 3000 PSI FOR ALL FLOORS, SLABS, CHAIRS AND BEAMS OR SHALL BE STANDARD PUMP MIX FC = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI 318-08/09.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-390 REQUIREMENTS WITH MEDIUM SURFACE FINISH - Fm = 1500 PSI.
- MORTAR SHALL BE TYPE "N" OR "M" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36. STANDARDS FOR STRENGTH BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER AMERICAN WELDING SOCIETY'S STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



2nd FLOOR FRAMING PLAN

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

NOTE!
PROVIDE "SIMPSON" EPCC4 / FC44 POST TO BEAM CONNECTOR



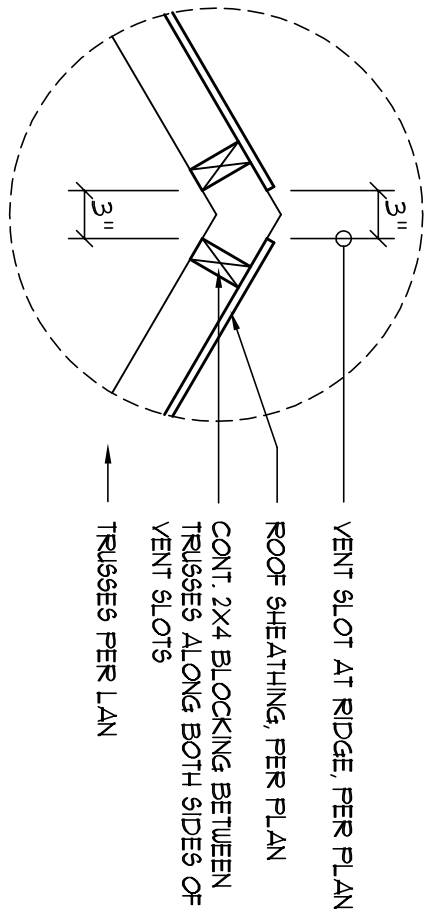
FOUNDATION PLAN

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

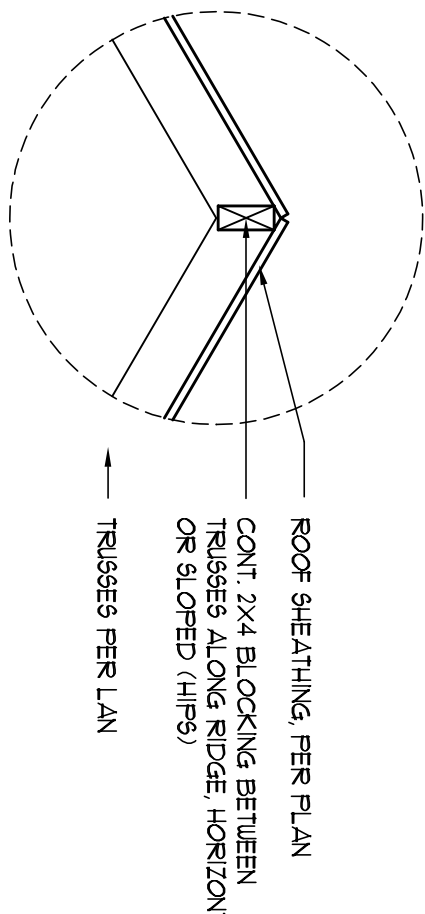
NOTE!
SHEAR WALL SECTIONS SEE AX (CALL EXIST. WALLS LESS DOOR OPENINGS)

NOTE!
THE DESIGN WIND SPEED FOR THIS PROJECT IS 120 MPH PER 2000 FBC 1609 AND LOCAL AMENDMENT REQUIREMENTS

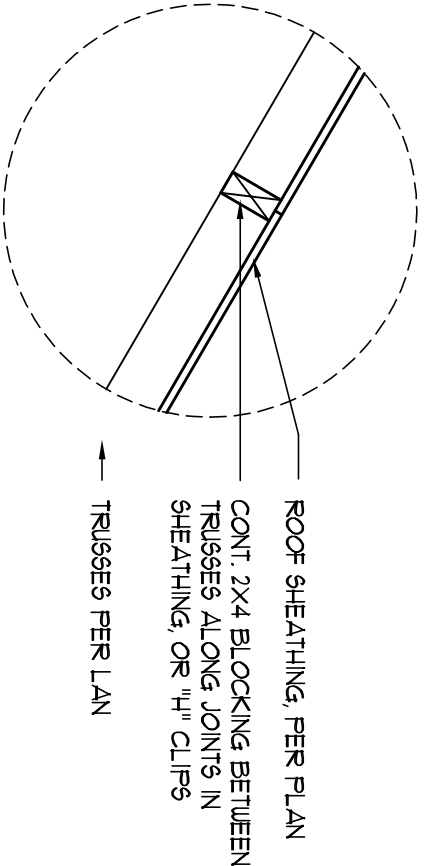
NOTE!
ADDED TELL SHALL BE APPLIED N. 8" LIFTS - EXIST. TELL SHALL BE COMPACTED TO 95% DRY TAMP METHOD.



Vent Detail
SCALE: 1" = 1'-0"

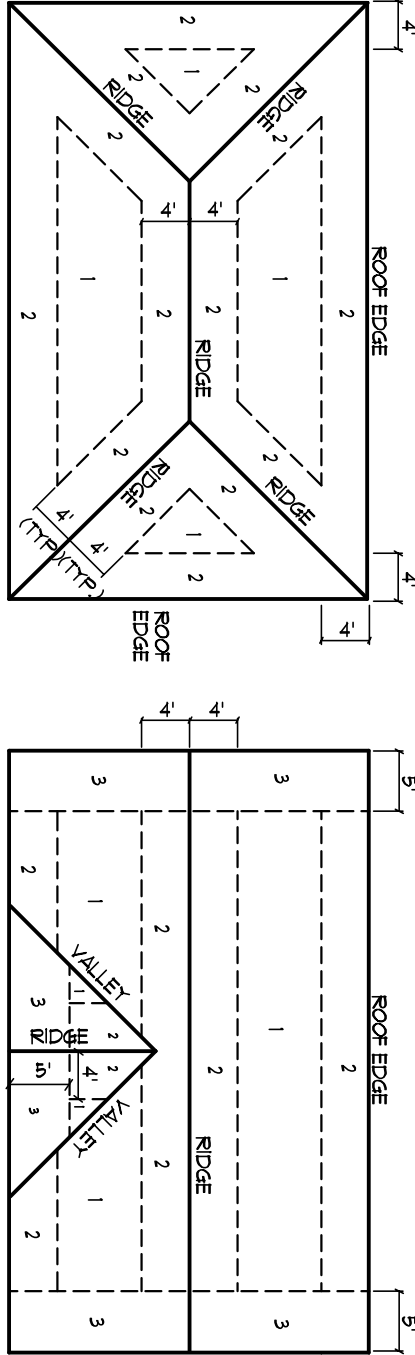


Ridge Detail
SCALE: 1" = 1'-0"

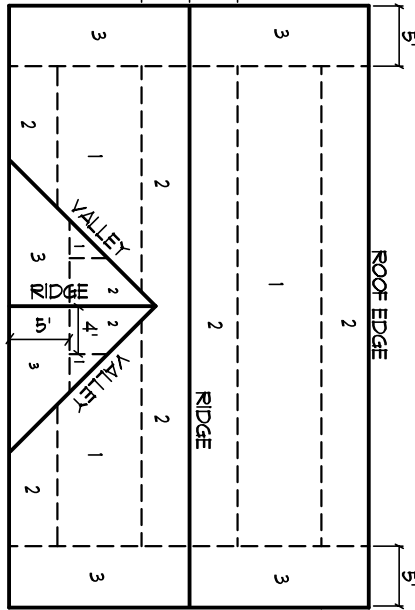


Joint Detail
SCALE: 1" = 1'-0"

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6" o.c. EDGE
2	1 1/8" O.G.B. OR 5/8" CDX	6d COMMON OR 6d HOT DIPPED GALVANIZED BOX NAILS	2" o.c. FIELD
3			6" o.c. FIELD



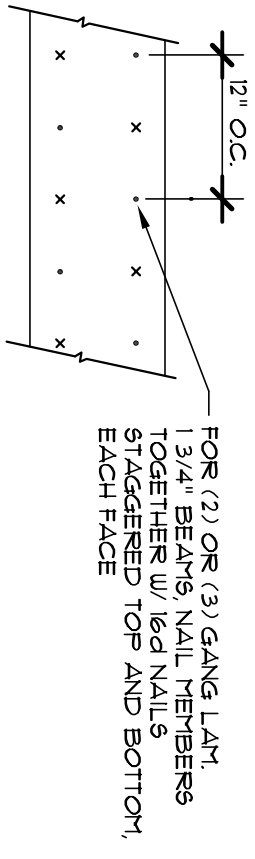
ROOF SHEATHING NAILING ZONES
(HIP ROOF)



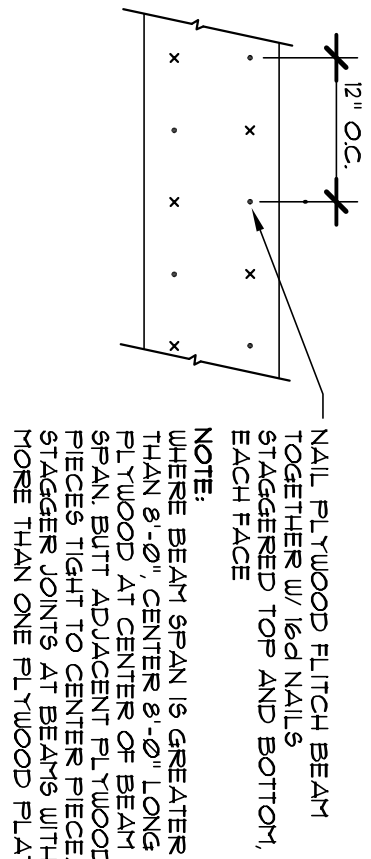
ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

Roof Nail Pattern Det.
SCALE: NONE

HEADER SPANS FOR EXTERIOR BEARING WALLS				
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)		
		20'	28'	36'
ROOF, CEILING	2-2x4	3'-6"	3'-2"	2'-10"
	2-2x6	5'-5"	4'-8"	4'-2"
	2-2x8	6'-10"	5'-11"	5'-4"
	2-2x10	8'-5"	7'-3"	6'-6"
	2-2x12	9'-9"	8'-5"	7'-6"
	3-2x8	8'-4"	7'-5"	6'-8"
ROOF, CEILING	2-2x10	10'-6"	10'-1"	9'-5"
	3-2x12	12'-2"	10'-1"	9'-5"
	4-2x8	9'-2"	8'-4"	9'-2"
	4-2x10	11'-8"	10'-6"	9'-5"
	4-2x12	14'-1"	12'-2"	10'-11"

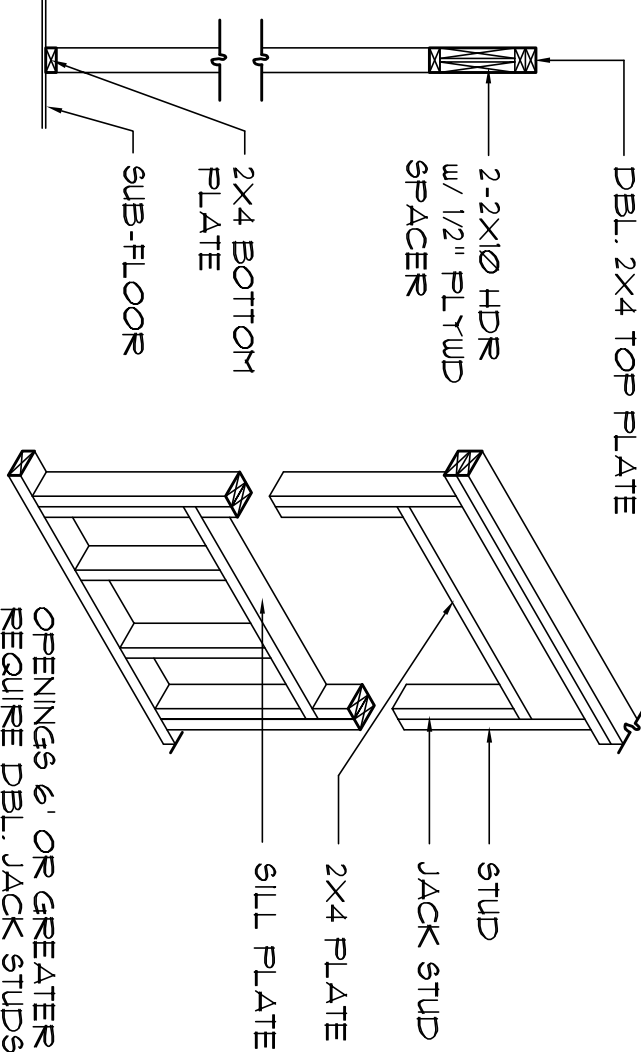


MULTIPLE GANG LAM. DETAIL
NOT TO SCALE

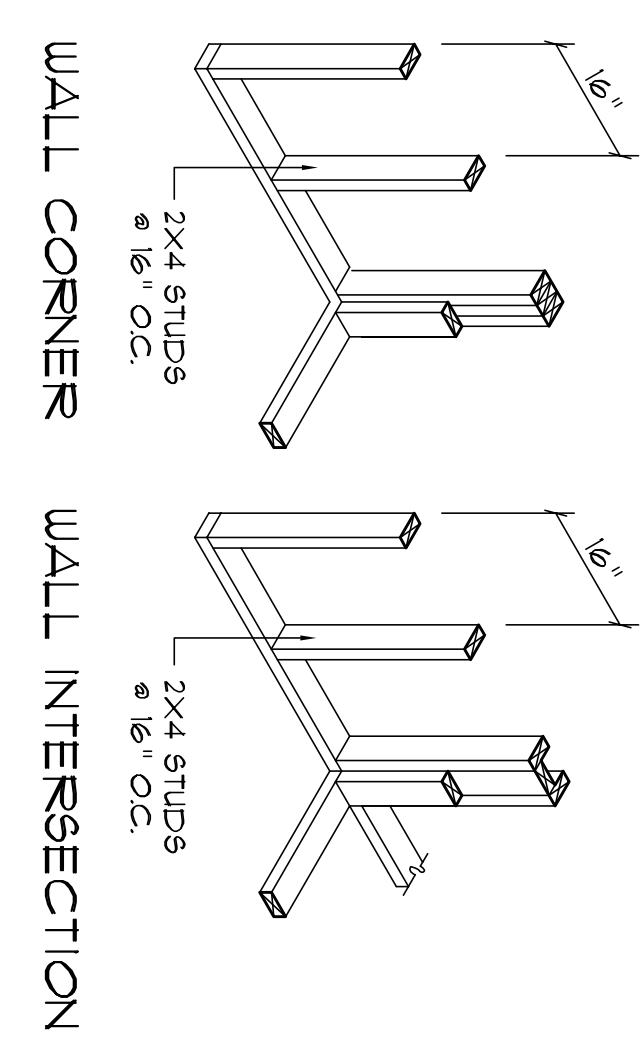


PLYWOOD FLITCH BEAM DETAIL
NOT TO SCALE

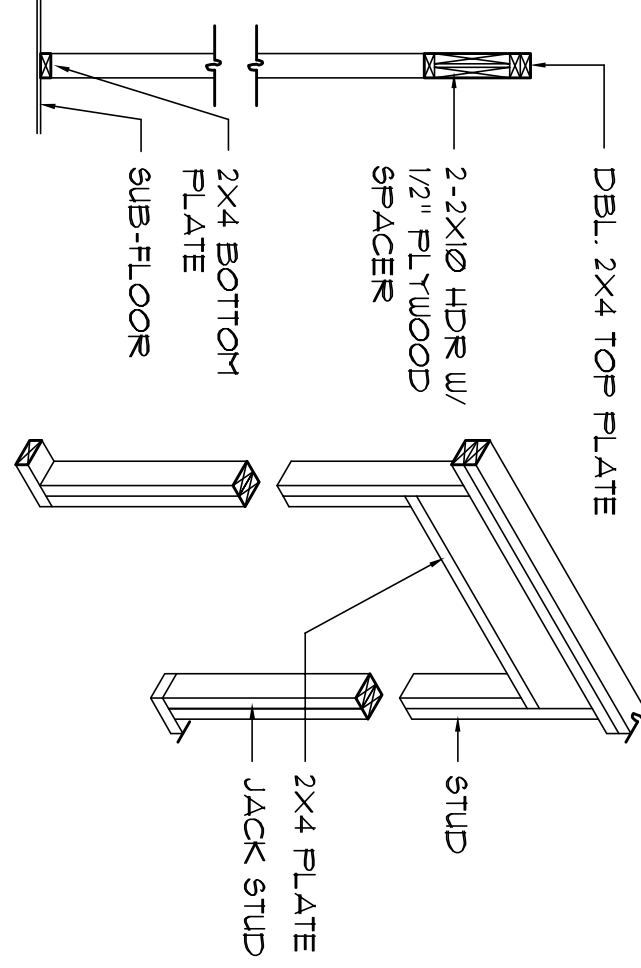
Beam Details
SCALE: NONE



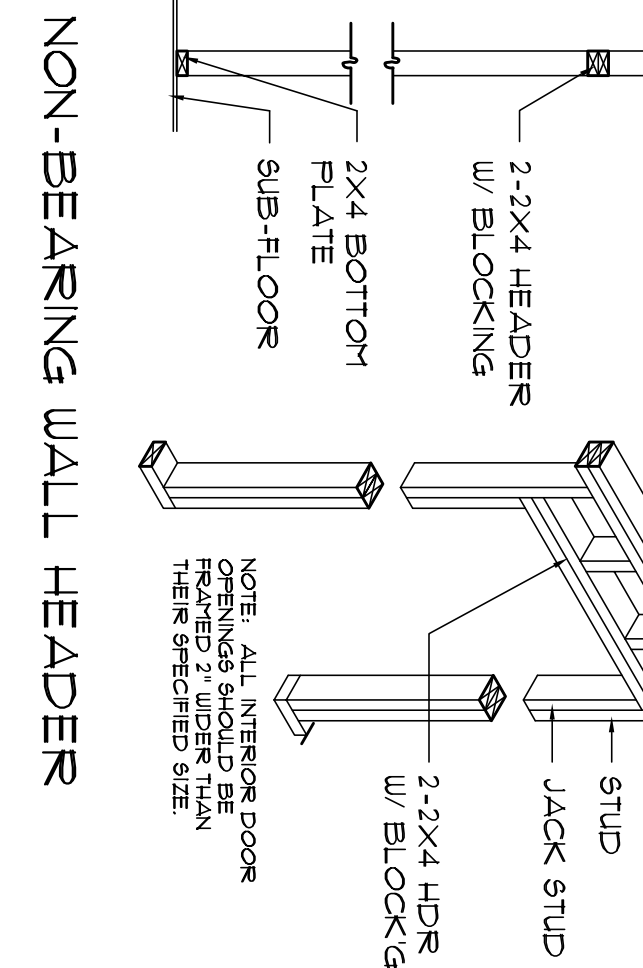
TYPICAL WINDOW HEADER



WALL CORNER WALL INTERSECTION

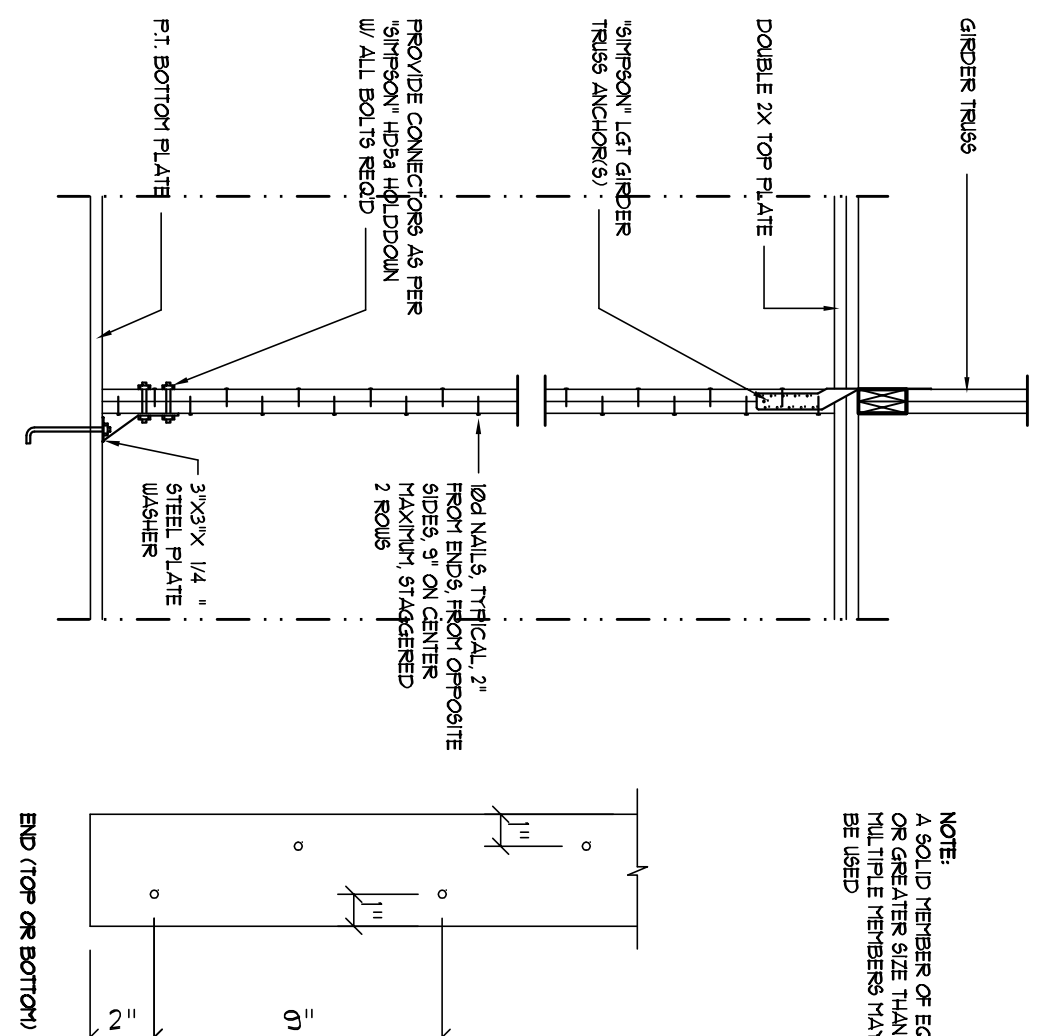


NON-BEARING WALL HEADER

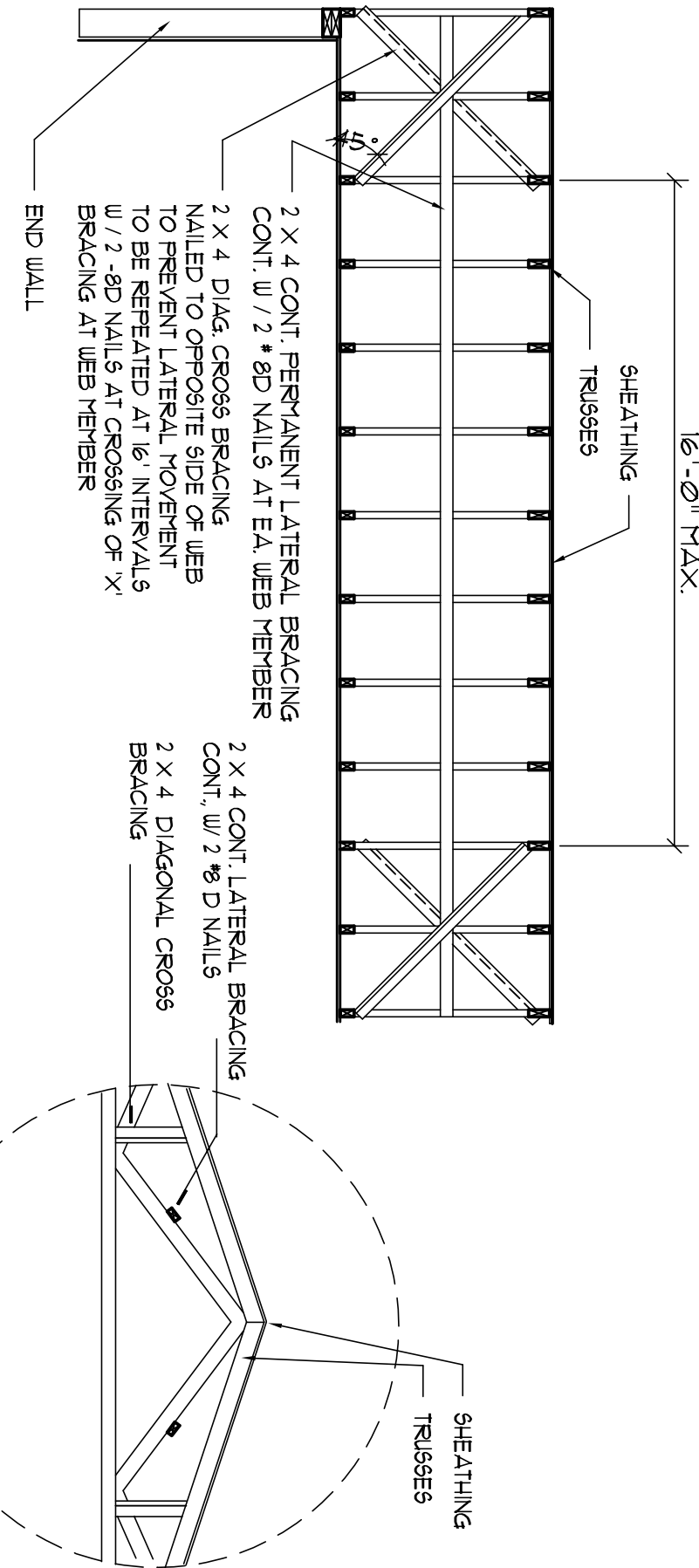


BEARING WALL HEADER

Wall Framing/Header Details
SCALE: NONE



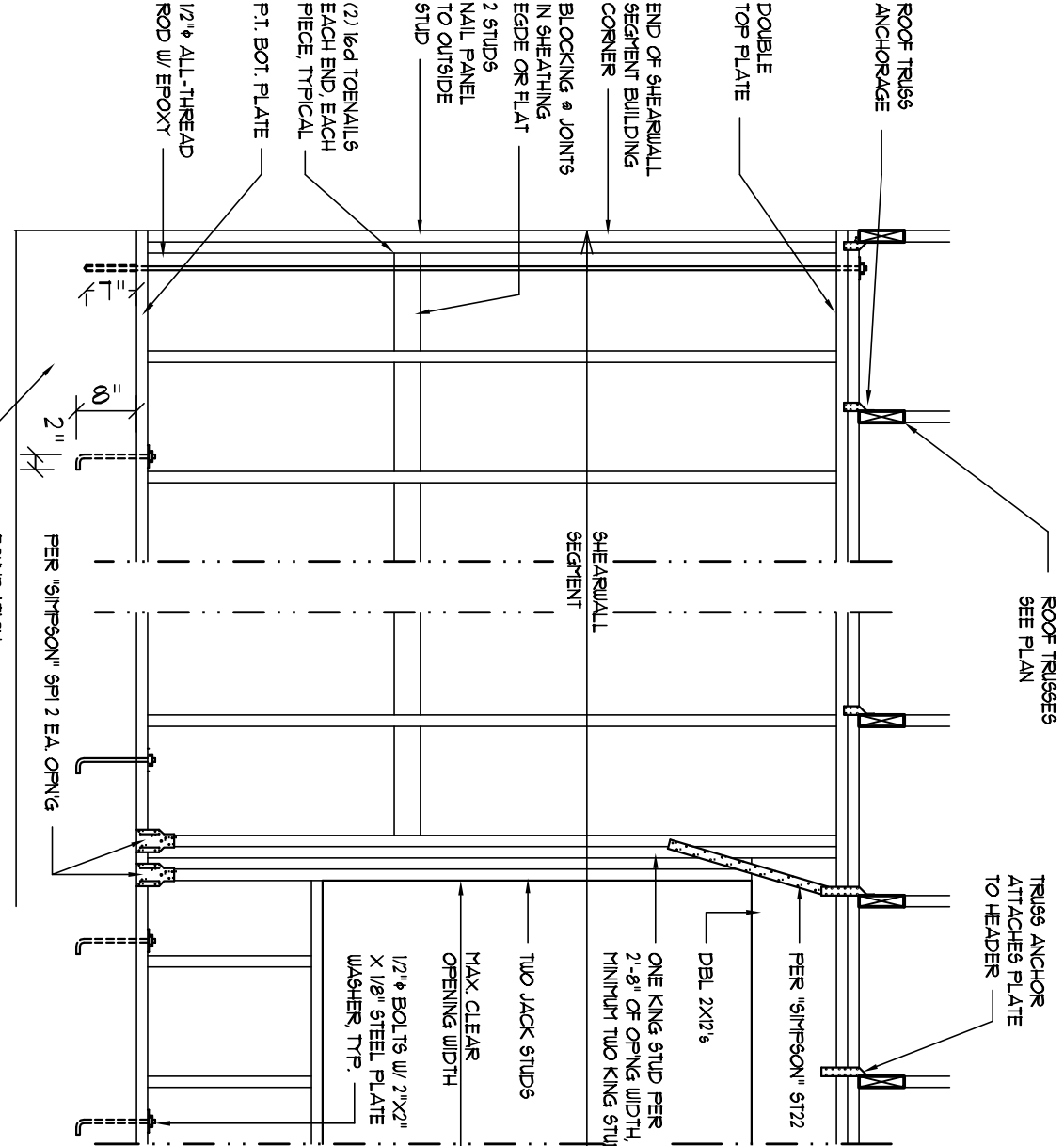
Girder Truss Column Det.
SCALE: 1/2" = 1'-0"



TYP. PERMANENT TRUSS BRACING DIA.

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing Details
SCALE: AS NOTED



SHEARWALL NOTES			
1.	ALL SHEARWALLS SHALL BE TYPE 1 SHEARWALLS AS DEFINED BY STD. 07-51 (BCCI 309.43).		
2.	THE WALL SHALL BE EVENLY BEAMED WITH 16" O.G.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.		
3.	ALL SHEATHING SHALL BE ATTACHED TO RAINING FANES OCCURRING OVER COMMON RAISING VERTICALS OR ALONG BLOCKING.		
4.	WALL BRACING SHALL BE 4" O.C. EDGES AND 16" O.C. FIELD.		
5.	TYPE 1 SHEARWALLS ARE DESIGNED FOR THE OPENING BEING THE WALL HEIGHT. THE FINISH DISINVEST FOR 8" O.C. WALLS (7-23).		

OPENING WIDTH	ALL FLATS	16" TO 24" NAILS EACH END
0" TO 6" 0"	(1) 24 OR (1) 26	1
6" TO 12" 0"	(3) 24 OR (2) 26	3

Shear Wall Details
SCALE: NONE

REVISION

DATE: 07 SEP 2021
DRAWN: 1188

ALTERATIONS & ADDITIONS TO RESIDENCE for:
W & MRS. JANAK PATEL
LAKE CITY, FLORIDA
STRUCTURAL DETAILS

Celebrating 48 Years of Service
1972 - 2020
N.P. Geisler, Architect
AR0007005

NICHOLAS PAUL GEISLER ARCHITECT
1758 NW Brown Rd., Suite 100, Lake City, FL 33605
386-365-4355

DATE: 07 SEP 2021
COM: 2K2091
SHEET: 1 OF 8
A.7

AR0007005

