

DESIGN STATEMENT AND CODE SUMMARY

DESIGN STATEMENT:

THIS RESIDENTIAL STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE 7TH EDITION RESIDENTIAL.

LIVE LOADS

UNHABITABLE ATTICS WITHOUT STORAGE = 10 PSF
UNHABITABLE ATTICS WITH STORAGE = 20 PSF
HABITABLE ATTICS AND ATTICS SERVICED WITH FIXED STAIRS = 30 PSF
ROOF LOAD = 20 PSF
STAIRS = 40 PSF
SLEEPING ROOMS = 30 PSF
ROOMS OTHER THAN SLEEPING ROOMS = 40 PSF
BALCONIES AND DECKS EXTERIOR = 40 PSF
GUARDRAILS, HANDRAILS = 200 POUNDS HORIZONTAL
GUARD INFILL COMPONENTS = 50 PSF (FBC-RESIDENTIAL R301, TABLE 301.5)

LOAD SUMMARY

OCCUPANCY CLASSIFICATION: RESIDENTIAL
CONSTRUCTION TYPE V-B MASONRY BEARING WALL AND WOOD
2 STORY RESIDENCE: BUILDING HEIGHT = 31'-6" +/- ABOVE FINISH GRADE
DESIGNED IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE 7TH EDITION RESIDENTIAL
IMPORTANCE FACTOR: 1.0
INTERNAL PRESSURE COEFFICIENT +/- 0.18
WIND IMPORTANCE FACTOR: 1
BUILDING RISK CATEGORY: II
Exposure Class: Enclosed
WIND EXPOSURE: B
DESIGN WIND PRESSURE 30.5 PSF

Ultimate Wind Speed (Vult): 139 mph
Basic Wind Speed (Vbld): 108 mph

Components & Cladding

Roofing Zones
Zone 1 (psf) +32.3/-35.9
Zone 2 (psf) +32.3/-41.2
Zone 3 (psf) +32.3/-41.2

Stucco, Cladding, Doors & Windows
Zone 4 (psf) +35.3/-38.2
Zone 5 (psf) +35.3/-47.2

Note: The nominal wind speed was used to determine the Component & Cladding pressures per table R301.2(1) and R301.2(3).

Note: This building is not within a wind-borne Debris Region and opening protection is not required.

SCOPE OF WORK

THE PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW CUSTOM SINGLE FAMILY RESIDENCE.

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROPERLY NOTIFY THE ARCHITECT OF ANY CONFLICTS, ERRORS OR OMISSIONS IN THESE CONSTRUCTION CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION BETWEEN SUBCONTRACTORS, VENDORS, ETC. AS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS AND OWNER-CONTRACTOR AGREEMENT. IN THE CASE OF INCONSISTENCIES OR DISCREPANCIES BETWEEN THE DRAWINGS, THE MOST STRINGENT NOTE OR CONDITION SHALL APPLY.
- FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR/SUBCONTRACTOR SHALL BE RESPONSIBLE FOR COSTS INCURRED IF NOTIFICATION IS NOT PROVIDED TO THE ARCHITECT IN A TIMELY MANNER.
- OSHA REQUIREMENTS SHALL BE INCORPORATED INTO THE SCOPE OF WORK EVEN THOUGH THEY ARE NOT LISTED SEPARATELY.
- THESE GENERAL NOTES SHALL APPLY TO ALL DRAWINGS AND GOVERN UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL ALSO REFERENCE THE NOTES ON EACH DRAWING SHEET AND INCORPORATE SUCH INTO THE SCOPE OF THE WORK.
- THE ARCHITECT HAS ENDEAVORED TO SPECIFY AND/OR INDICATE MATERIALS THAT DO NOT CONTAIN HAZARDOUS MATERIALS OR ITEMS IN VIOLATION OF APPLICABLE CODES AND LAWS OR REASONABLE BUILDING PRACTICES. ALL CONTRACTORS, SUBCONTRACTORS AND VENDORS SHALL LIKEWISE ENDEAVOR TO PROVIDE MATERIALS THAT DO NOT CONTAIN HAZARDOUS COMPONENTS. NOTIFY THE ARCHITECT OF ANY MATERIALS SPECIFIED OR INDICATED FOR USE ON THE PROJECT SITE WHICH CONTAIN HAZARDOUS MATERIALS AND/OR ASBESTOS.
- THESE DRAWINGS AND RELATED DOCUMENTS DETAIL THE WORK FOR THIS SPECIFIC LOCATION AND PROJECT. THESE DOCUMENTS REMAIN THE PROPERTY OF THE ARCHITECT AND MAY NOT BE USED FOR ANY OTHER PROJECT OR PURPOSE WITHOUT WRITTEN AUTHORIZATION OF THE ARCHITECT.
- DO NOT SCALE DRAWINGS.
- DIMENSIONS ARE TO FINISH TO FINISH FACE OR CENTERLINE OF COLUMN UNLESS OTHERWISE NOTED.
- "TYPICAL" MEANS THAT THE SITUATION IS REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT THE BUILDING. UNLESS OTHERWISE NOTED, DETAILS ARE KEYED AND NOTED AS "TYPICAL" OR "TYP" ONLY THE FIRST TIME THEY APPEAR.
- "HOLD" DIMENSIONS INDICATE THAT PREFABRICATED SYSTEMS ARE TO BE INSTALLED THAT REQUIRE A MINIMUM DIMENSION. MAINTAIN THIS DIMENSION. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL SUBCONTRACTORS AND VENDORS TO COORDINATE CONSTRUCTION REQUIREMENTS, DELIVERY SCHEDULE, ETC.
- "SIMILAR" OR "SIM" SHALL MEAN COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLANS AND ELEVATIONS.
- THE GENERAL CONTRACTOR SHALL CONFIRM ALL LOCATIONS FOR BLOCKING.

A Private Residence PAUL AND LESLIE McDANIEL



TERMITE PROTECTION

- TERMITE PRETREATMENT SHALL CONSIST OF CHEMICAL SOIL TREATMENT THE BORA-CARE TERMICIDE TREATMENT SHALL BE REGISTERED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES AS REQUIRED BY THE 2020 FLORIDA BUILDING CODE 7TH EDITION RESIDENTIAL SECTION 202.
- UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY MAY BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THIS TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES"

CONSTRUCTION NOTES

GENERAL

- ROOF LIVE LOAD = 25 PSF
- ALL WORK TO BE IN STRICT ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE 7TH EDITION RESIDENTIAL
- ONLY WRITTEN CHANGES APPROVED BY THE ARCHITECT SHALL BE PERMITTED
- FLOOR LIVE LOAD = 40 PSF, DEAD LOAD 15 PSF
- PPHS THRU STRUCTURAL ELEMENTS SHALL BE SLEEVED W/ STEEL PIPE OF LARGER DIAMETER
- WINDOWS ARE TO MEET WIND LOAD REQUIREMENTS PER STRUCTURAL DESIGN CRITERIA AND FIRE CODE EGRESS.
- WINDOW AND DOOR SIZES VARY WITH EACH MANUFACTURER. ALL ROUGH OPENINGS MUST BE VERIFIED WITH THE RESPECTIVE CONTRACTOR PRIOR TO CONSTRUCTION. CONCRETE

CONCRETE

- ALL WORK TO BE IN STRICT ACCORDANCE WITH THE ACI 318-11
- MISCELLANEOUS DESIGN CRITERIA
ALL CONCRETE TYPE I PORTLAND CEMENT (ASTM C 150)
COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE F_C 2500 PSI FOR SLABS AND FOOTINGS
COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE F_C 3000 PSI FOR ALL STRUCTURAL ELEMENTS
MAXIMUM WATER-CEMENT RATIO BY WEIGHT FOLLOWS:
SPECIFIED COMPRESSIVE STRENGTH (PSI) 2500 3000
NON-AIR ENTRAINED CONCRETE 0.67 0.46
AIR ENTRAINED CONCRETE 0.54 0.46

- SUMP - SLAB ON GRADE = 5"
SUMP - OTHER = 3"
WATER - POTABLE
CHLORIDE - NONE
3. PROVIDE NORMAL WEIGHT AGGREGATES IN COMPLIANCE WITH THE REQUIREMENTS OF ASTM C 33

FOUNDATIONS

- FOOTING DESIGN BASED ON MIN. ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF
- IF FOOTING ELEVATION OCCURS IN DISTURBED, UNSTABLE OR UNSUITABLE SOIL, THE ARCHITECT SHALL BE NOTIFIED AND NECESSARY ADJUSTMENTS SHALL BE MADE PER HIS INSTRUCTIONS.
- PREPARATION OF THE SUB-GRADE TO CONSIST OF HAVING THE FOOTING BEAR ON UNDISTURBED SOIL.
- STEPS IN WALL FOOTING SHALL NOT EXCEED A SLOPE OF 1:2, VERTICAL TO HORIZONTAL.
- CAUTION SHALL BE USED WHEN OPERATING VIBRATORY COMPACTING EQUIPMENT NEAR STRUCTURES TO AVOID THE RISK OF DAMAGE TO THE STRUCTURE.

MASONRY

- DESIGN MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH ACI 503-11
- CELLS INDICATED TO BE FILLED SHALL BE GROUTED WITH 3000 PSI CONCRETE (8"-10" SUMP)
- ALL CELLS AT CORNERS, END OF SHEAR WALLS, AND UNDER CONCENTRATED LOADS SHALL CONTAIN VERTICAL REINFORCING AND SHALL BE FILLED WITH CONCRETE.
- CONC. BLOCKS SHALL CONFORM TO ASTM F-90 (28 DAY STRENGTH = 2000 PSI) (F_m = 1500 PSI), LAID IN RUNNING BOND.
- MORTAR SHALL BE TYPE "S"
- PROVIDE 3 #5 @ 10" O.C. ROD AT LOCATIONS SHOWN ON PLANS (4" @ O.C. MAX.)
- SPLICE LAP LENGTH TO BE 25" MINIMUM.

AREA SUMMARY

MAIN FLOOR LIVING AREA 2285 SQ. FT.
UPPER LIVING AREA 1668 SQ. FT.

TOTAL LIVING AREA 3953 SQ. FT.

COVERED PORCH 123 SQ. FT.
LANAI 224 SQ. FT.
GARAGE 465 SQ. FT.

HOUSE AREA UNDER ROOF 5265 SQ. FT.

WOOD

- ALL WOOD FRAMING AND PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED, DETAILED, AND FABRICATED IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION.
- THE WOOD TRUSSES SHALL BE SIZED AND DETAILED TO FIT THE DIMENSIONS AND LOADS INDICATED. ALL DESIGN SHALL BE IN ACCORDANCE WITH ALLOWABLE VALUES AND SECTION PROPERTIES ASSIGNED AND APPROVED BY THE 2020 FLORIDA BUILDING CODE 7TH EDITION RESIDENTIAL. DESIGN CALCULATIONS SHALL BE SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER FOR APPROVAL.
- PERMANENT BRIDGING PERPENDICULAR TO THE SPAN OF THE TRUSSES SHALL BE PROVIDED AS REQUIRED BY THE TRUSS MANUFACTURER. TRUSS MANUFACTURER SHALL PROVIDE STATEMENT THAT BOTTOM CHORD OR ROOF TRUSSES ARE BRACED DURING UPLIFT CONDITIONS.
- FOR STRUCTURAL LUMBER, PROVIDE THE PRESCRIBED GRADE. SOUTHERN PINE SURFACES DRY USED AT 19% MAX. MOISTURE CONTENT, GRADE NO. 2.
- PROVIDE GALVANIZED METAL HANGARS AND FRAMING ANCHORS OF THE SIZE AND TYPE RECOMMENDED BY THE MANUFACTURER. FOR EACH, USES RECOMMENDED NAILS. (SIMPSON STRONG-TIE CONNECTORS OR EQUIVALENT) OTHER MANUFACTURER WITH UL LISTING AND APPROVED CONNECTORS OF SIMILAR TYPE AND DESIGN MAY BE SUBSTITUTED.
- ALL BOLTS FOR WOOD CONSTRUCTION SHALL BE A MINIMUM OF 1/2" Ø DIAMETER. (ASTM A-307)
- PROVIDE FRAMING MEMBERS OF SIZES AND OF SPACINGS SHOWN, OR, IF NOT SHOWN, COMPLY WITH THE RECOMMENDATIONS OF THE MANUAL FOR HOUSE FRAMING OF THE NATIONAL FOREST PRODUCTS ASSOCIATION. DO NOT SPICE STRUCTURAL MEMBERS BETWEEN SUPPORTS.
- ANCHORS AND NAILS SHOWN SHALL COMPLY WITH THE RECOMMENDED NAILING SCHEDULE FROM THE 2020 FLORIDA BUILDING CODE 6TH EDITION RESIDENTIAL.

GENERAL LUMBER NOTES

FRAMING NOTES

- ALL LUMBER TO BE SOUTHERN YELLOW PINE NO. 2 OR SPRUCE NO. 2 WITH A MAXIMUM MOISTURE CONTENT OF 18%. STUDS MAY BE SP# NO. 2.
- ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY.
- ALL EXTERIOR DOORS AND DOOR TO GARAGE MUST BE OF SOLID WOOD AND MINIMUM THICKNESS OF 1 3/8" OR SOLID CORE METAL.
- WINDOWS MUST WITHSTAND A MINIMUM PRESSURE OF 30 PSF.
- PROVIDE ADEQUATE BRACING AND BRIDGING TO TRUSSES TO RESIST WIND AND OTHER LATERAL FORCES.

FRAMING NOTES

FRAMING

- ALL WOOD FRAMING SHALL BE FABRICATED AND INSTALLED PER AIC AND TPI AND NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, LATEST EDITION.
- ALL STRUCTURAL WOOD MEMBERS SHALL HAVE A MINIMUM EXTREME FIBER STRESS IN BENDING OF F_b = 1200 PSI.
- UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM LUMBER GRADES SHALL BE USED:
a. STRUCTURAL LIGHT FRAMING SIZE 2" TO 4" THICK x 2" TO 4" WIDE - NO. 2 OR BETTER.
b. STUDS SIZE 2" TO 4" THICK AND 2" TO 6" WIDE - STUD GRADE.
c. STRUCTURAL JOISTS AND PLANKS SIZE 2" TO 4" THICK x 5" OR WIDER - NO. 2 OR BETTER.
d. LIGHT FRAMING SIZE 2" TO 4" THICK x 2" TO 4" WIDE - NO. 2 OR BETTER.
- STUDS SHALL BE DOUBLED AT ALL ANGLES, CORNERS AND AROUND ALL OPENINGS.
- PLACE A SINGLE 2x SOLE PLATE AT THE BOTTOM AND A DOUBLE PLATE AT THE TOP OF ALL LOAD-BEARING STUD WALLS. ATTACH ALL EXTERIOR WALLS AND INTERIOR LOAD-BEARING WALLS TO SLAB WITH 1/2" Ø x 8" (MIN.) STEEL J-BOLTS OR 1/2" Ø x 4" MIN. EMBEDMENT "HIT" KWIK-BOLT AT 32" O.C. ANCHORED WITH SIMPSON STRONG-TIE "MAS" MUSSILL ANCHORS EXCEPT AT WALL ENDS AND OPENINGS. ALL OTHER INTERIOR NON-LOAD-BEARING WALLS MAY BE ATTACHED WITH 3/16" Ø 1072" POWER-DRIVEN FASTENERS WITH 7/8" Ø x 5/64" THICK WASHERS AT 10" ON CENTER.
- PLYWOOD SHEATHING SHALL BE APA STRUCTURAL 1, GROUP 1, SIZE AND SPAN RATING AS SHOWN ON THE DRAWINGS.
- WALL SHEATHING SHALL BE:
a. AT INTERIOR WALL, PROVIDE 1/2" OR 5/8" GYPSUM WALLBOARD (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS) EACH SIDE OF STUDS. PROVIDE SOLID 2x BLOCKING AT ALL SHEET EDGES. BLOCKING IS NOT REQUIRED AT ALL NON-LOAD BEARING PARTITIONS.
b. AT EXTERIOR WALLS SHEATHING THE INTERIOR FACE OF WALL WITH GYPSUM WALLBOARD AS NOTED ABOVE FOR INTERIOR WALLS. SHEATH THE EXTERIOR FACE OF WALLS WITH 1/2" CDX (4-PLY) PLYWOOD (OR 7/16" O.S.B.) NAIL TO WITH 8d NAILS AT 5" O.C. AT ALL EDGE SUPPORTS AND 8d NAILS AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS. PROVIDE SOLID 2" BLOCKING AT ALL SHEET EDGES. BLOCKING IS NOT REQUIRED AT NON-LOAD BEARING PARTITIONS.
- ALL WOOD MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE, MASONRY OR SOIL SHALL BE PRESURE TREATED WITH WATERBORNE PRESERVATIVES IN ACCORDANCE WITH AWPAC.
- CONTRACTOR SHALL PROVIDE ALL FASTENING DEVICES NECESSARY AND SUITED FOR EACH LOCATION. FASTENINGS SUBJECT TO MOISTURE SHALL BE HOT-DIPPED GALVANIZED ASTM A-153/A-153M.
- ALL METAL CONNECTIONS AND FABRICATIONS SHALL COMPLY WITH AISC SPECIFICATIONS.
- SOLID BLOCK ALL JOISTS AND RAFTERS AT POINTS OF SUPPORT.
- WHERE WOOD BEAMS/HEADERS ABUT WOOD COLUMNS, PROVIDE SIMPSON STRONG-TIE HUSC CONNECTORS WITH ALL NAILS SPECIFIED BY THE MANUFACTURER.

NOTE:

- ALL HEADERS TO BE NO. 2 SOUTHERN PINE OR EQUAL AND TO INCLUDE 1/2" PLYWOOD FLITCH PLATE BETWEEN MEMBERS.
- WOOD HEADERS OVER OPENINGS SHALL BE AS NOTED ON THE PLANS. JACK STUDS SUPPORTING HEADER AS WELL AS ADJACENT FULL HEIGHT STUDS SHALL BE AS SPECIFIED IN THE WOOD HEADER SCHEDULE IN THE ARCHITECTURAL PLANS.
- PROVIDE 2-16d NAILS AT 3" O.C. AT ALL HEADERS.
- ALL ANCHORS SHOWN TO BE SIMPSON STRONG-TIE OR APPROVED EQUAL.

FIELD REPAIR NOTES

- MISSED UNTEL STRAPS FOR MASONRY CONSTRUCTION MAY BE SUBSTITUTED WITH 1" SIMPSON STRONG-TIE MST12 TWIST STRAP WITH 3- 3/16" Ø x 2 1/4" TAPCON TO BOND BEAM BLOCK AND 7- 10d COMMON NAILS TO TRUSS.
- MISSED DOWN RODS MAY BE SUBSTITUTED WITH 1- #5 Ø REBAR SET IN 1 1/4" Ø x 6" DEEP HOLE FILLED WITH "UNITEX" "PROPOXY 300" ADHESIVE BINDER, FOLLOWING ALL MANUFACTURER'S RECOMMENDATIONS.
- MAY SUBSTITUTE HURRICANE STRAP WITH STRAP OF GREATER HOLD-DOWN VALUE OR GREATER UPLIFT VALUE IN FIELD WITHOUT VERIFICATION, PROVIDED ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS ARE FOLLOWED.

TRUSS / ROOF FRAMING NOTES

- TRUSSES SHALL BE DESIGNED BY A FLORIDA REGISTERED ENGINEER EXPERIENCED IN TRUSS DESIGN. PROVIDE SHOP DRAWINGS TO DESIGNER FOR APPROVAL PRIOR TO FABRICATION. SHOP DRAWINGS SHALL BEAR THE SEAL OF THE ENGINEER.
- TRUSS FABRICATOR SHALL PREPARE A FRAMING LAYOUT INDICATING THE LOCATION OF THE TRUSSES, BEARINGS, TRUSS SPACING, PITCH, BRACING LOCATION AND OTHER INFORMATION DEEMED PERTINENT. UPON APPROVAL, FABRICATOR SHALL PROVIDE COPIES TO OWNER AND TRUSS ERECTOR FOR FIELD USE.
- TRUSS MANUFACTURER SHALL DETERMINE ALL SPANS, WORKING POINTS AND BEARING CONDITIONS. THOSE SHOWN IN THE TRUSS PROFILES ARE FOR GENERAL INFORMATION ONLY, AND IF USED BY THE TRUSS MANUFACTURER IN HIS DESIGN MUST BE VERIFIED TO CONFORM WITH THE PLANS AND OTHER DETAILS. ANY ERRORS IN TRUSS DESIGN AND FABRICATION DUE TO THE TRUSS MANUFACTURER'S USE OF THE SPANS, WORKING POINTS, ETC. SHOWN IN THE TRUSS PROFILES DUE TO CONFLICTS WITH THE PLANS AND OTHER DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTING PARTY AND CORRECTED BY THEIR RESPECTIVE AGREEMENT.
- ROOF DECK IS AS SPECIFIED. STAGGER PLYWOOD JOINTS MINIMUM 24 INCHES. NAIL DECK IN ACCORDANCE WITH ROOF SHEATHING NAILING DIAGRAMS SHOWN IN ARCHITECTURAL DRAWINGS.
- ALL MISCELLANEOUS WOOD FRAMING SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE SOUTHERN PINE NO. 2.
- SPACE TRUSSES AND MISCELLANEOUS FRAMING AT 24" O.C. MAX.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER TRUSS HANDLING AND PROPER TEMPORARY AND ERECTION BRACING.
- PERMANENT BRACING AS INDICATED ON DRAWINGS SHALL BE MIN. 2x4 DIMENSION LUMBER WITH 2- 16d NAILS IN EACH TRUSS, UNLESS INDICATED OTHERWISE. ADDITIONAL BRACING AS REQUIRED OR RECOMMENDED BY TRUSS DESIGNER OR FABRICATOR SHALL BE INCLUDED AND INSTALLED.
- TRUSS FABRICATOR SHALL BE RESPONSIBLE TO COORDINATE ALL TRUSS DIMENSIONS AND FIELD CONDITIONS PRIOR TO FABRICATION. NOTIFY DESIGNER IN WRITING IF ANY ADJUSTMENTS TO DRAWING DIMENSIONS ARE RECOMMENDED OR REQUIRED.
- PROVIDE HURRICANE ANCHORS PER GOVERNING CODE AND REGULATIONS AND AS INDICATED ON DRAWINGS.
- TRUSS MANUFACTURER TO PROVIDE VALLEY SETS WITH ENGINEERING AND NAILING REQUIREMENTS.
- ALL TRUSS STRAPS AT MASONRY TO BE SIMPSON STRONG-TIE MET14's UNLESS NOTED OTHERWISE.
- ALL TRUSS STRAPS AT FRAME BEARING TO BE SIMPSON STRONG-TIE H10A's UNLESS NOTED OTHERWISE.
- PROVIDE HTS20 OR HETA20 AT ALL HIP CORNERS IF NOT SPECIFIED ON FRAMING PLAN.
- PROVIDE HETA20 AT MASONRY GABLE ENDS OR HTS20 AT FRAME GABLE ENDS AT 48" O.C. MAX.
- ANY REVISIONS IN THE DESIGN CONCEPT, DETAILING, OR CONSTRUCTION MATERIALS REQUESTED BY THE CONTRACTOR OR TRUSS MANUFACTURER SHALL BE SUBMITTED TO THE DESIGNER IN WRITING PRIOR TO CONSTRUCTION. ALL SUCH REVISIONS, IF ACCEPTED BY THE DESIGNER, SHALL BE CLEARLY DELINEATED AND HUBBED ON THE SHOP DRAWINGS.
- ALL FASTENERS INDICATED ARE MANUFACTURED BY SIMPSON STRONG-TIE.
- PROVIDE FIREBLOCKING AND DRAFTSTOPPING PER 2020 FLORIDA BUILDING CODE 7TH EDITION RESIDENTIAL AT ALL APPLICABLE AREAS.
- ROOF SHEATHING SHALL BE INSTALLED WITH ALUMINUM PLYWOOD CLIPS. PROVIDE ONE CLIP PER SPAN BETWEEN SHEET EDGES. PROVIDE SOLID 2x BLOCKING BETWEEN SUPPORTS AT ALL HIP, RIDGES, VALLEYS AND CHANGES IN ROOF SLOPE.

SHEET INDEX

A1 COVER SHEET
A2 MAIN / UPPER FLOOR PLANS
A3 EXTERIOR ELEVATIONS
A4 EXTERIOR ELEVATIONS
A5 ROOF PLAN

E1 MAIN / UPPER FLOOR ELECTRICAL PLANS

S1 FOUNDATION PLAN
S2 ROOF BEARING PLAN
S3 ROOF FRAMING PLAN
S4 STRUCTURAL SECTIONS
S5 STRUCTURAL SECTIONS
S6 STRUCTURAL DETAILS

SEAL: Digitally signed by Edward F Shinski Jr. Date: 2023.01.10 16:06:42

EDWARD F. SHINSKIE JR.
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FLORIDA REG. NO. 4789
SCEAA 5321

"THIS FIRM HAS BEEN ELECTRONICALLY SIGNED & SEALED BY EDWARD F. SHINSKIE JR. ON THE DATE TIME STAMP USING A DIGITAL SIGNATURE"

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PROJECT NAME:

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Revisions:
no. date description

DRAWN: CHECKED:

SCALE: SHEET SIZE:

DATE: 10-10-22/ SUBM 11-0-23

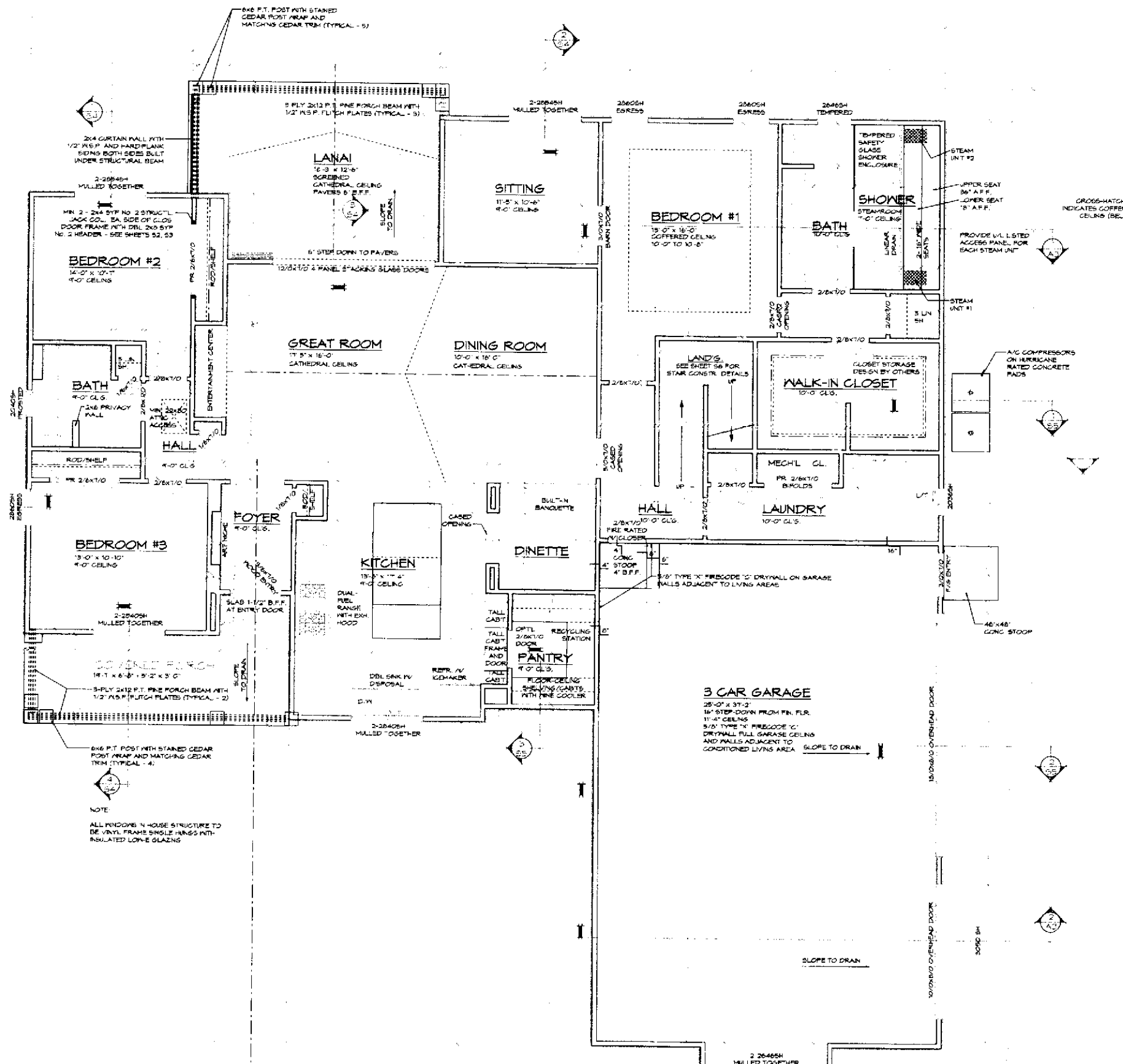
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COVER SHEET

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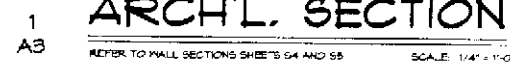
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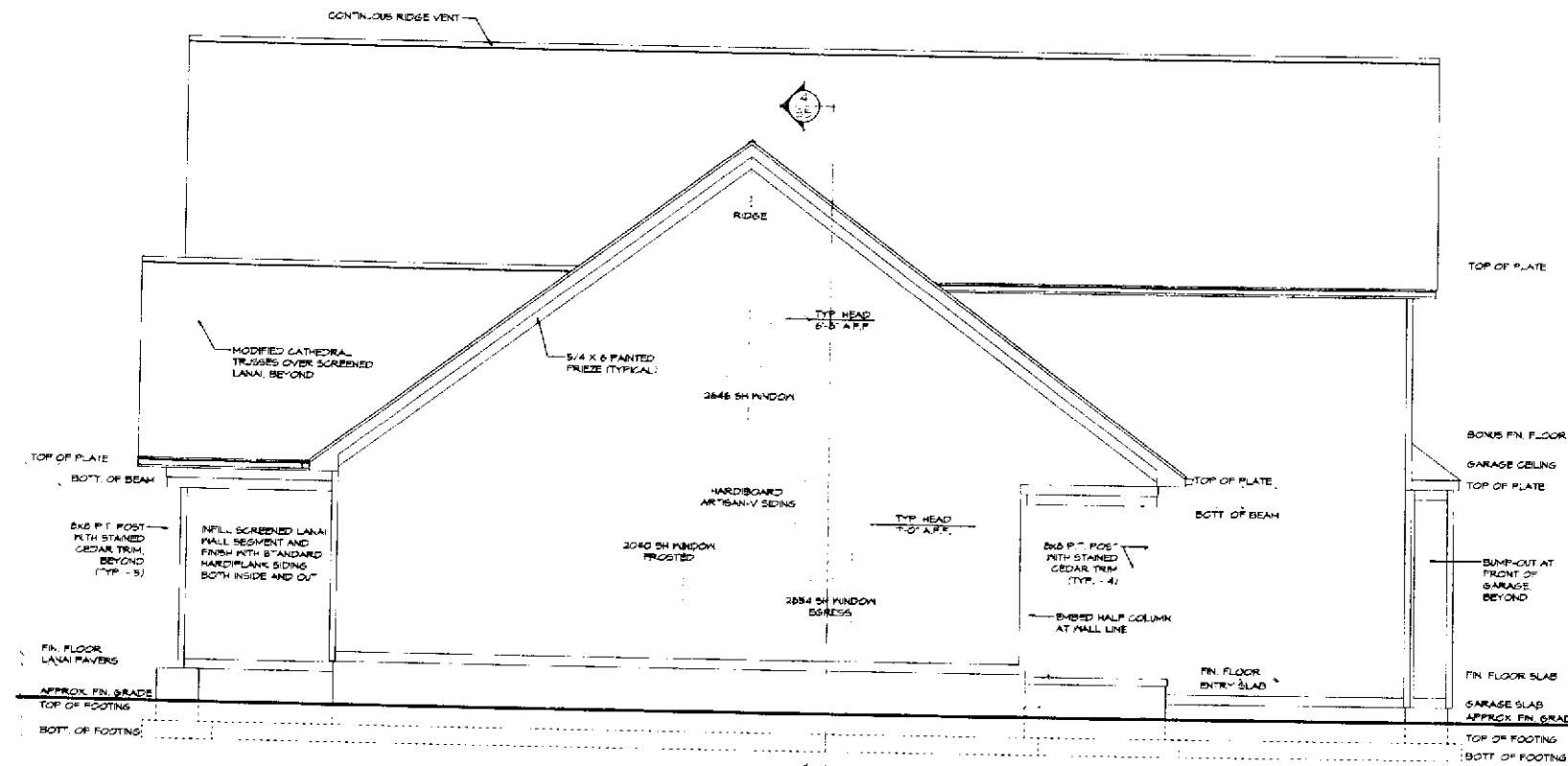
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MAIN FLOOR PLAN
SCALE: 1/4" = 1'-0"

UPPER FLOOR PLAN
SCALE: 1/4" = 1'-0"

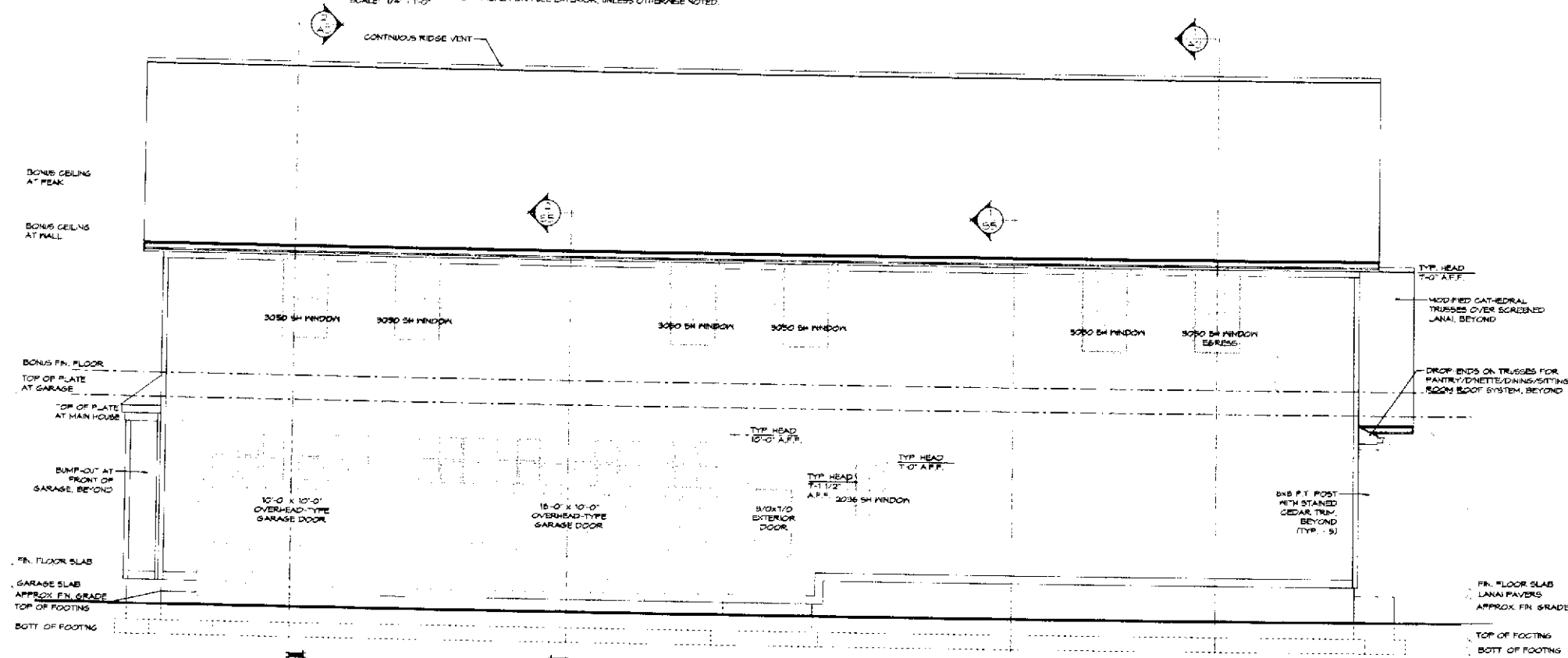




LEFT ELEVATION

NOTE:
ALL FINISH ITEMS CALLED OUT ON EXTERIOR FRONT ELEVATION
ARE TYPICAL FOR FULL EXTERIOR, UNLESS OTHERWISE NOTED.

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



RIGHT ELEVATION

NOTE:
ALL FINISH ITEMS CALLED OUT ON EXTERIOR FRONT ELEVATION
ARE TYPICAL FOR FULL EXTERIOR, UNLESS OTHERWISE NOTED.

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

SEAL
Edward F. Shinski
Digitally signed by Edward F. Shinski
Date: 2023.01.10 16:07:23 -0500

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED & SEALED BY EDWARD F. SHINSKI. SEE ON THE DATE TIME AT THE SIGNATURE. A "DIGITAL SIGNATURE".
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PROJECT NAME
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EXTERIOR ELEVATIONS

PROJECT NO.:
SHEET NO.:
DATE: 10-10-22/ SUBM 1-10-23
DRAWING TITLE:

A-4

TRIT TRIT

valley

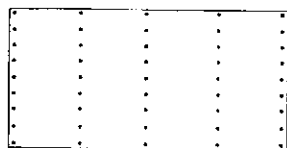
TRIT TRIT

gable end

Sheathing Materials:

- 1/2" CDX Plywood
- 5/8" OSB Plywood
- 1/2" ZIP WALL SYSTEM
Code Evaluation Report
ESR 1413 ESR 1414
OR EQUAL

Nailing Schedule: See
Bd Ring Shank Nails
Roof & Walls 6" O.C.
Gable End 4" O.C.

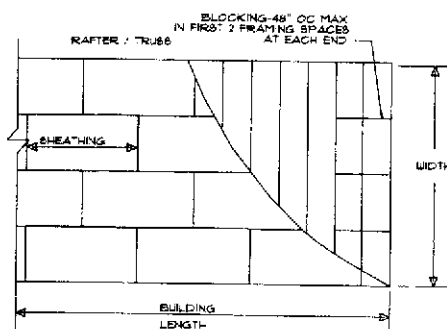


Space fasteners 6" o.c. along supported edges and 12" o.c. at intermediate supports. It is the responsibility of the general contractor to verify proper fastener type and spacing prior to installation. Apply the fasteners 3/8" from the ends and corners.

FLASHING TYPE & FASTENING:
26 GAUGE GALV. ALUMN. FLASHING 1/2" x 1"
ELECTRO GALV. ROOFING NAILS 4" O.C.

SHEATHING/DECKING
FASTENING SCHEDULE

NOT TO SCALE

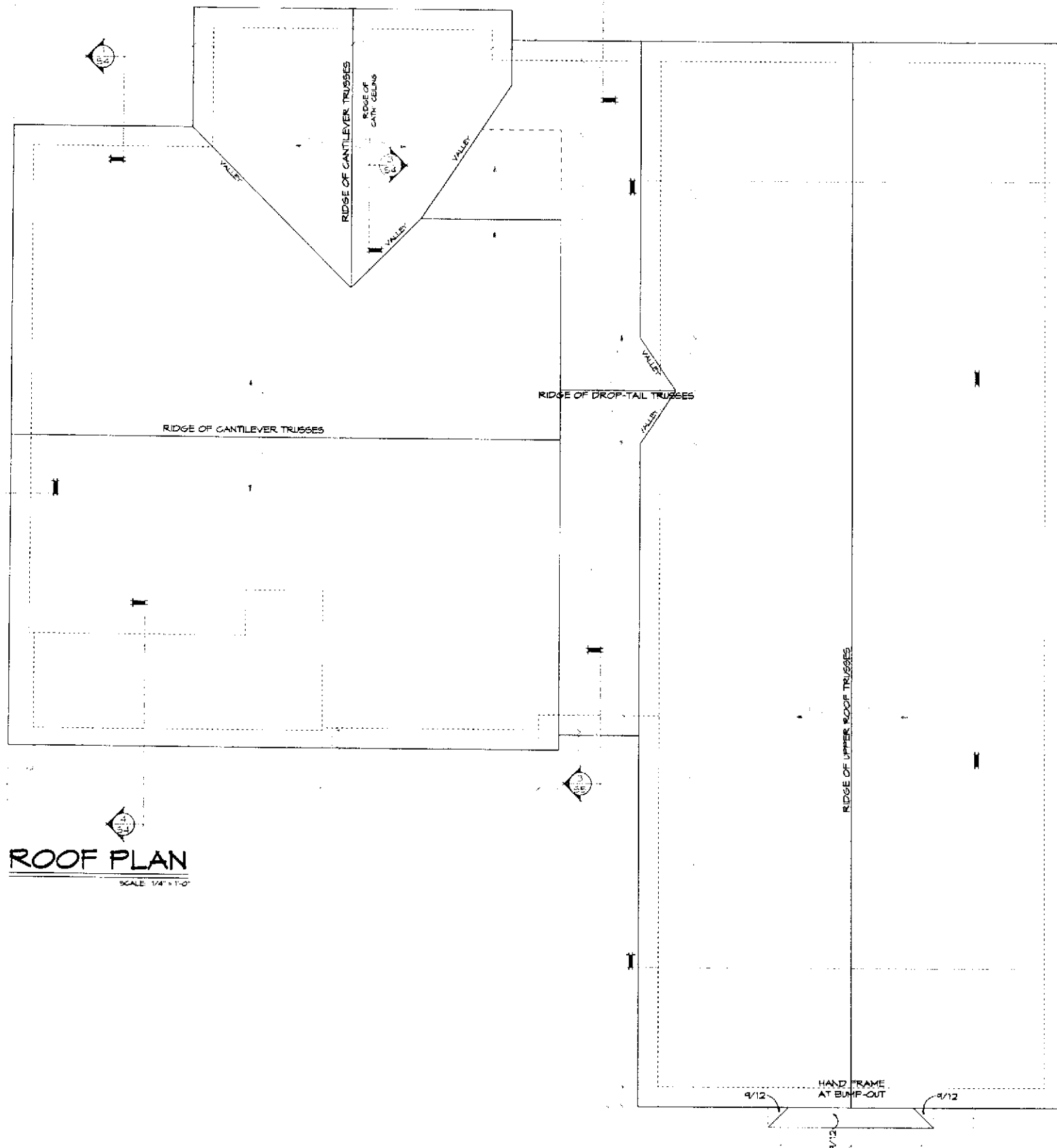


ROOF SHEATHING LAYOUT
AND
ENDWALL ROOF BRACING

NOT TO SCALE

ROOF PLAN

SCALE 1/4" = 1'-0"



Edward F. Shinskie Jr.
Digitally signed by Edward F. Shinskie Jr.
Date: 2023.01.10 16:07:36 -05'00'

EDWARD F. SHINSKIE, JR.
1701 W. D. TURNER ROAD
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FLORIDA PE NO. 1180
3186631231

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revisions:
no. date description
01

DRAWN: CHECKED:

SCALE: SHEET SIZE:

DATE: 10-10-22/ SUBM 11-10-23

DRAWING TITLE:

ROOF
PLAN

PROJECT NO.:

sheet no.:

A-5

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EDWARD F. SHINSKIE JR.
REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
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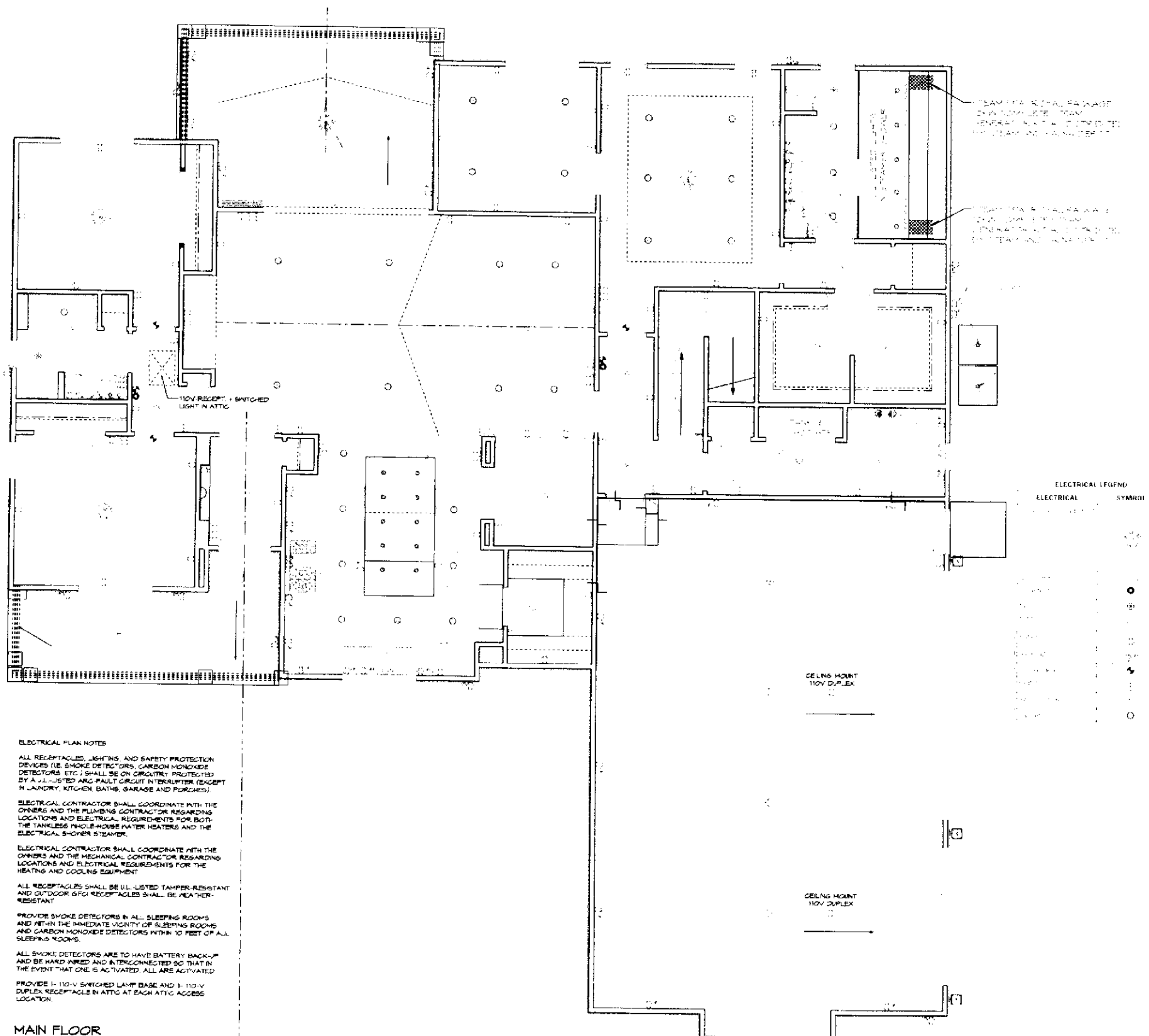
DRAWING TITLE:

MAIN & UPPER FLOOR ELECTRICAL PLANS

PROJECT NO.:

Sheet no.:

E-1.0



ELECTRICAL PLAN NOTES

ALL RECEPTABLES, LIGHTINGS, AND SAFETY PROTECTION DEVICES (IE. SMOKE DETECTORS, CARBON MONOXIDE DETECTORS, ETC.) SHALL BE ON CIRCUITRY PROTECTED BY A UL-LISTED AND FAULT CIRCUIT INTERRUPTER (EXCEPT IN LAUNDRY, KITCHEN BATHS, GARAGE AND PORCHES).

ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNERS AND THE PLUMBING CONTRACTOR REGARDING LOCATIONS AND ELECTRICAL REQUIREMENTS FOR BOTH THE TANKLESS WHOLE-HOUSE WATER HEATERS AND THE ELECTRICAL SHOWER STEAMER.

ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNERS AND THE MECHANICAL CONTRACTOR REGARDING LOCATIONS AND ELECTRICAL REQUIREMENTS FOR THE HEATING AND COOLING EQUIPMENT.

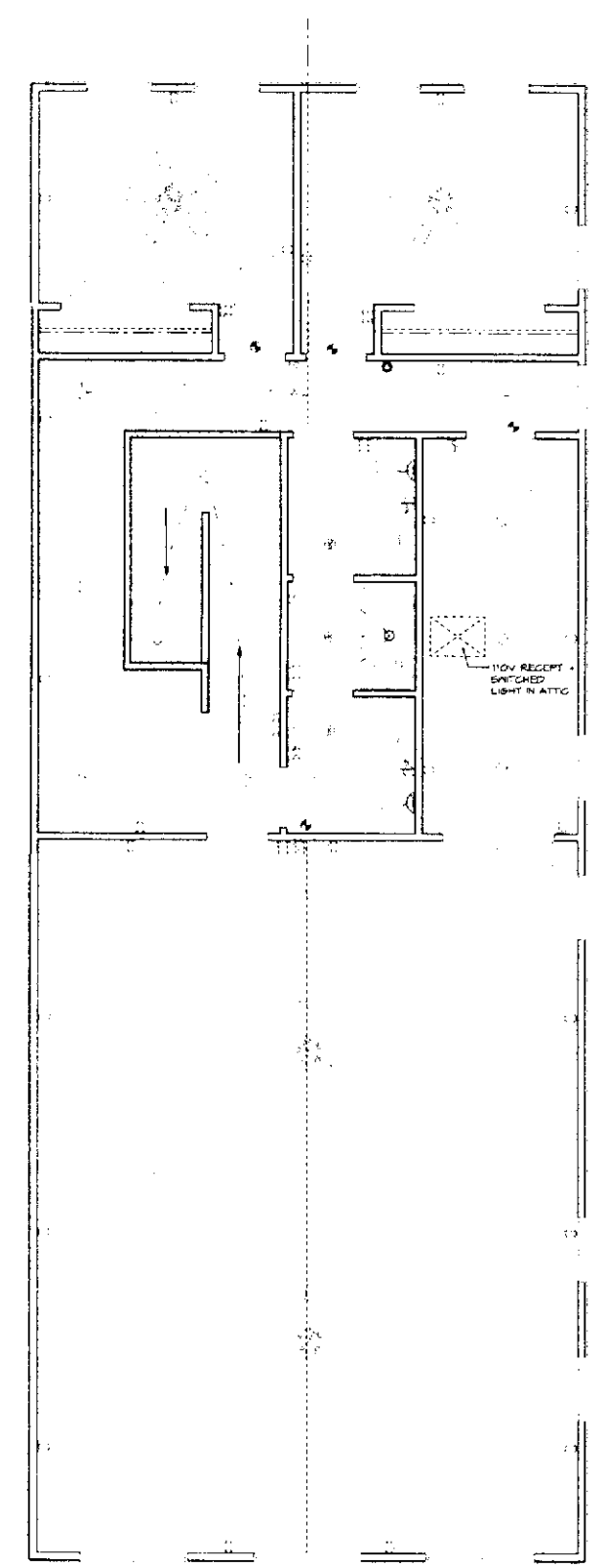
ALL RECEPTABLES SHALL BE UL-LISTED TAMPER-RESISTANT AND OUTDOOR GFCI RECEPTABLES SHALL BE WEATHER-RESISTANT.

PROVIDE SMOKE DETECTORS IN ALL SLEEPING ROOMS AND WITHIN THE IMMEDIATE VICINITY OF SLEEPING ROOMS AND CARBON MONOXIDE DETECTORS WITHIN 10 FEET OF ALL SLEEPING ROOMS.

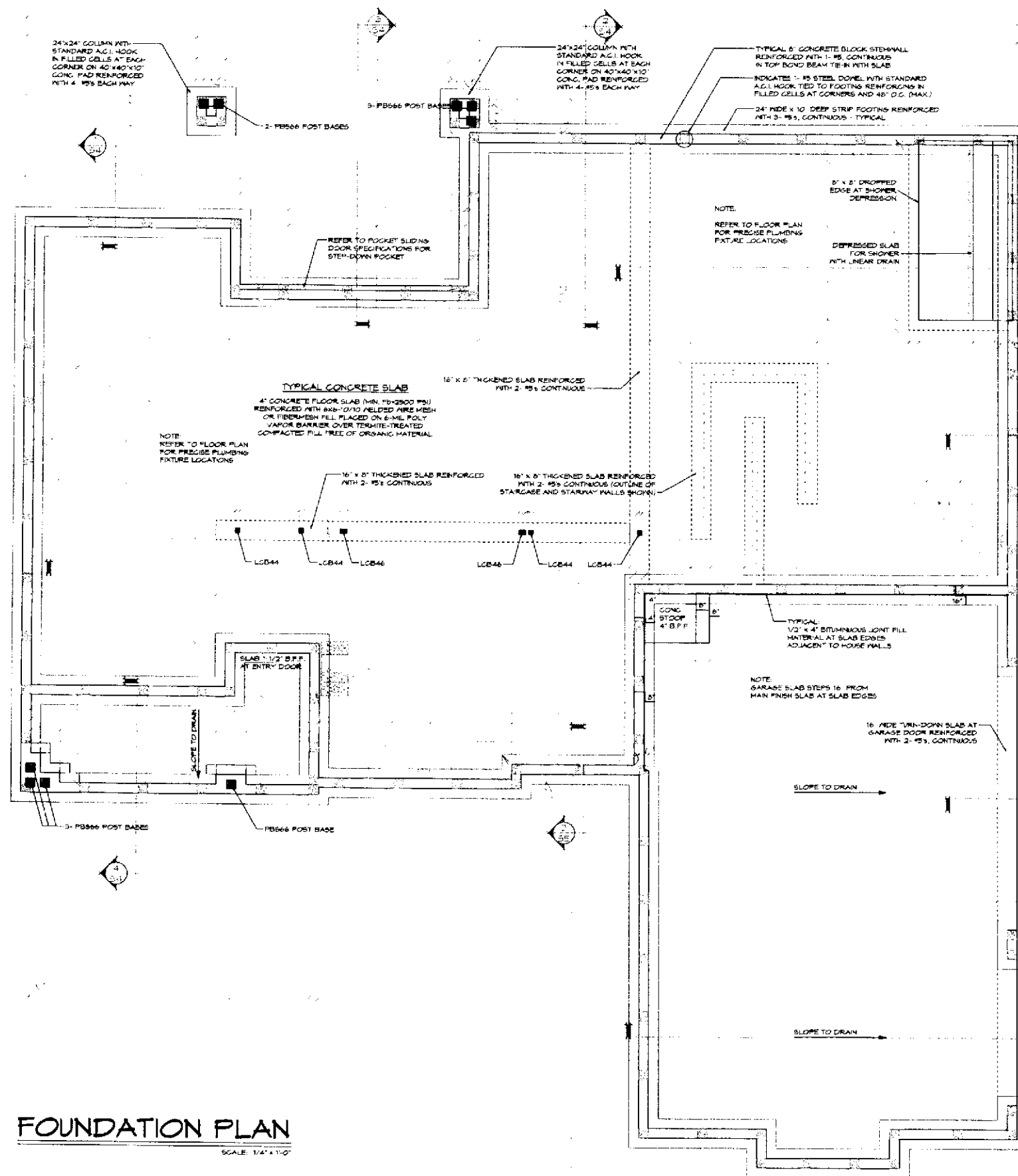
ALL SMOKE DETECTORS ARE TO HAVE BATTERY BACK-UP AND BE HARD WIRED AND INTERCONNECTED SO THAT IN THE EVENT THAT ONE IS ACTIVATED, ALL ARE ACTIVATED.

PROVIDE 1-110-V SWITCHED LAMP BASE AND 1-110-V DUPLEX RECEPTABLE IN ATTIC AT EACH ATTIC ACCESS LOCATION.

MAIN FLOOR
ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



UPPER FLOOR
ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



SEAL: Edward
Digitally signed
by Edward P.
Shinski Jr.
Date:
2023.01.10
16:08:04 -05' 0'

ENGINEER OF RECORD
EDWARD F. BARNETTE, PE
4701 N.E. TURNKEY ROAD
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FLORIDA REG. NO. 47819
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BARNETTE, PE ON THE DATE/TIME STAMP
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DATE: 10-10-22/ SUBM 1-10-23

DRAWING TITLE.

FOUNDATION
PLAN

PROJECT NO.

sheet no:

S-1

SEAL: Edwar Digitally signed by Edwar Shinski Date: 2023.01.10 16:09:04 -05'00'

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PROJECT NAME:
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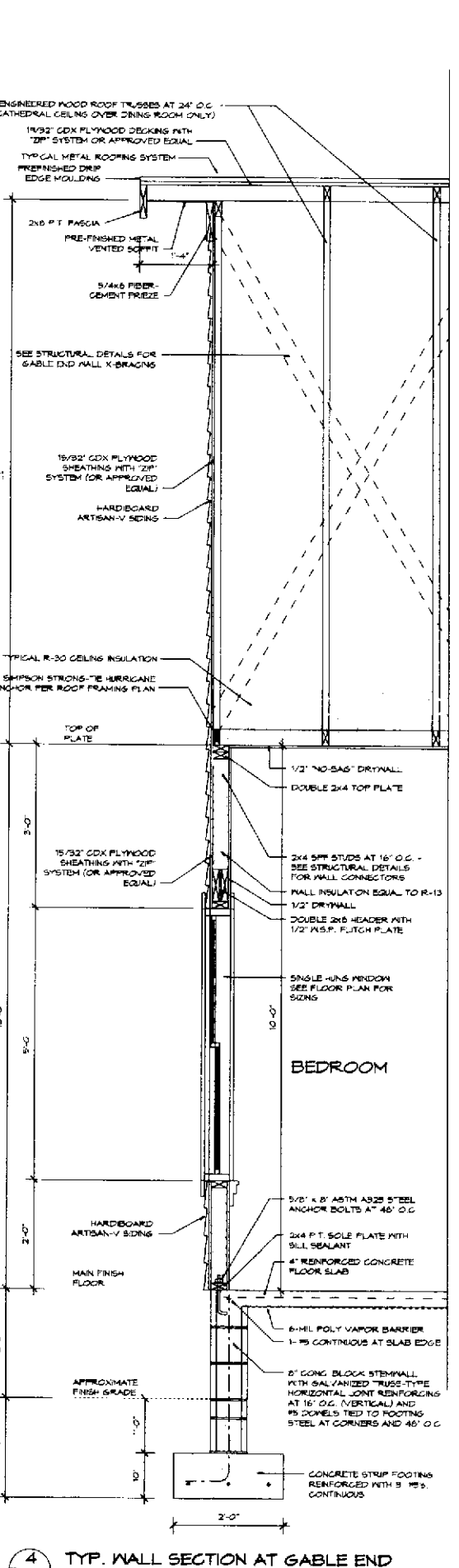
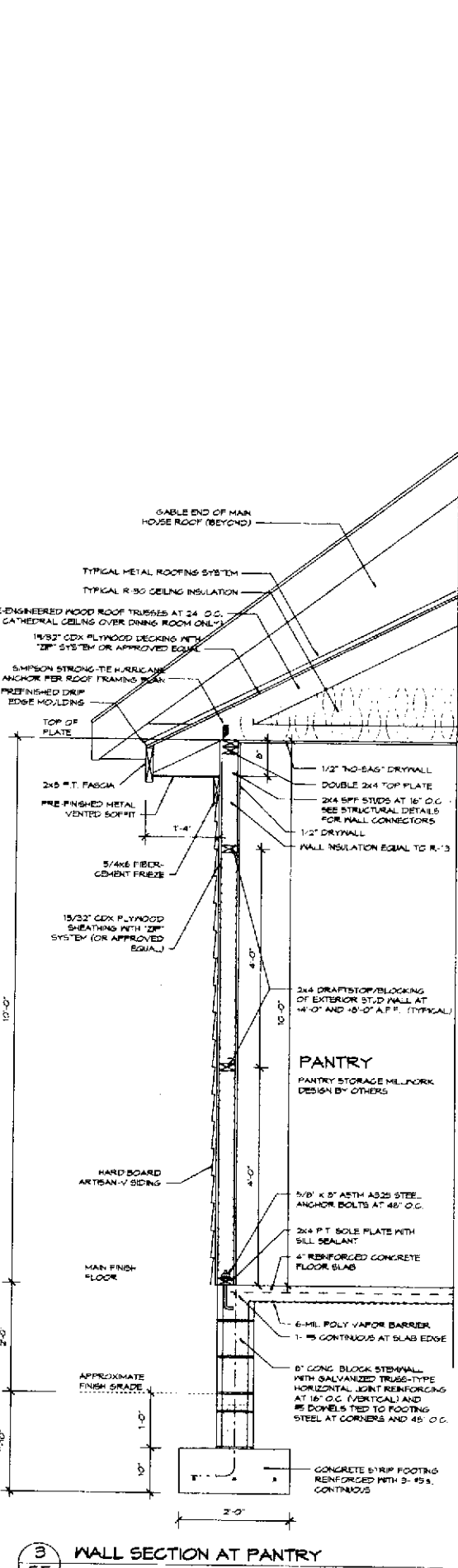
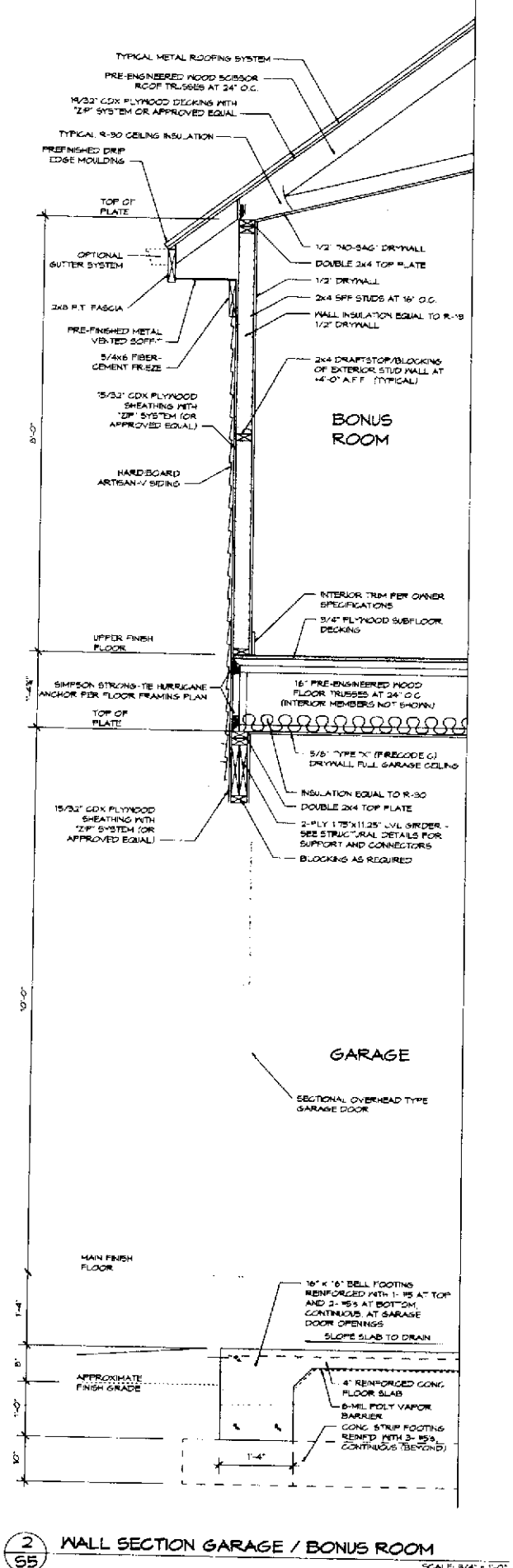
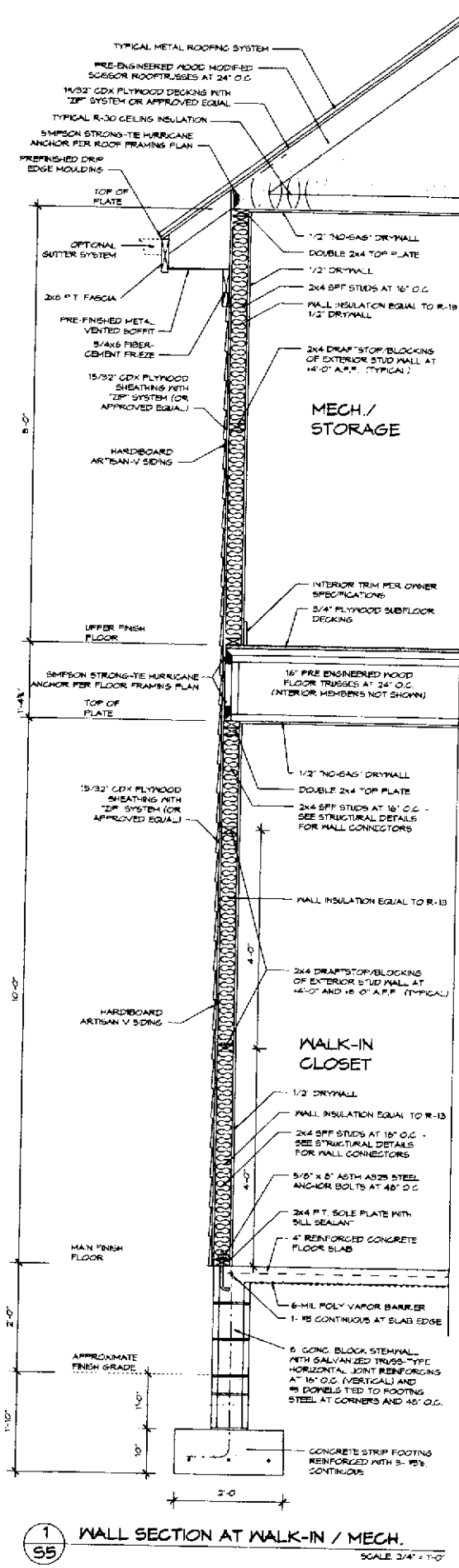
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STRUCTURAL SECTIONS

PROJECT NO:
SHEET NO:



$$G_{\text{eff}} = G/B^2 + 1/2$$