JSTOM RESIDENTIAL DESIGN for: 1R. & MRS. P. J. PATEL

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COLUMBIA COUNTY, FLORIDA

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	21 SEP 2Ø21	`	A 3	DIMENSION PLAN	21 SEP 2021	`	A.9	STRUCTURAL DETAILS	21 SEP 2021	`
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	21 SEP 2Ø21	`	ŭ	ARCHITECTURAL DETAILS	21 SEP 2021	•	<u> </u>	ROOF PLAN	21 SEP 2Ø21	•
			Ø.	STRUCTURAL NOTES	21 SEP 2 <i>0</i> 21		A.12	STRUCTURAL DETAILS	21 SEP 2021	•
SECTION	21 SEP 2Ø21	•	P.A	STRUCTURAL INFORMATION	21 SEP 2021	•	A.13	ELECTRICAL PLAN	21 SEP 2021	•
	21 SEP 2021	•	Ø,	FOUNDATION	21 SEP 2021	•	•		•	•

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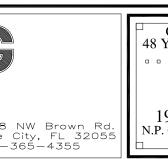
GENERAL INFORMATION

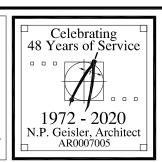
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CHNEWAL Ú A. ELECTRICAL "AS-BUILT" DRAWINGS ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W. ALL CKTS IDENTIFIED W. CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W. RATINGS & LOADS. CONTRACTOR SHALL PROVIDE I COPY OF AS-BUILT DWGS TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY. PLUMBING "AS-BUILT" DRAWINGS PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOF DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTRISHALL PROVIDE I COPY OF AS-BUILT DWGS TO OWNER AND I COPY TO THE PERMIT ISSUING AUTHORITY. HYAC. "AS-BUILT" DRAWINGS HYAC. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL HYAC. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROYIDE I COPY OF AS-BLT. DWGS TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GWB ON 1X3 WOOD FURRING AT 16" O.C., ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS 6 " O.C. ALONG EACH POINT OF BEARING. ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH 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. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GAR-AGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOMETH THE CONSTRUCTION OF THIS PROJECT BETWEEN OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BETHROUGH BINDING ARBITRATION. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VAR-IOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURE-POSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THINSPECTION IF REQUESTED BY THE OWNER. NTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COM-"LIANCE WITH "UL Design U333", BATT INSULATION SHALL BE NCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED ROM HEATED / COOLED AREA. . INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES T INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED THE BUILDING OFFICIAL. NOTES: DRAWING 召 QUIREMENTS: AGAINST ALL PROPERTY ITH THE WORK ROJECT. GENERAL PRODUCTS SHALL INCLUDE THE FOLLOWING: SOFTWOOD - SOLID STOCK PINE, C OR BETTER HARDWOOD - SPECIES AS SELECTED BY OWNER PLYWOOD, OPAQUE FINISH - FIR, GRADE A/B PLYWOOD, TRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER PARTICLE BOARD - HIGH DENSITY, W/ RESIN BINDER LAM. PLASTIC - MFG, COLORS, PATTERNS & TEXTURES AS SELECTED BY OWNER LAMINATING ADHESIVES - POLYVINYL ACETATE, UREA FORMALDEHYDE, CASEIN MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS, PRIOR TO FABRICATING ANY MAT'LS OR MILLWORK: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF WD. SPECIES RECEIVING TRANSPARENT FINISH, MFR'S LITERATURE FOR ALL SPECIALTY ITEMS NOT MFD. BY THE ARCHITECTURAL WOODWORK FIRM AND HARDWARE SCHEDULE, SHOWING HARDWARE USED AT EA. LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER. AUI "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED BY THE OWNER, SHALL BE THE BASE STANDARD OF FOR THIS WORK. SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO T FABRICATION AND DELIVERY OF MILLWORK, SHOWN II TO THE JOB SITE, INSTALLATION OF CABINET HINGES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STAND BOLTS. HYAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL OFFSETS, TRANSITIONS & BENDS REQUIRED TO PROVISTEM AT NO ADDITIONAL COST TO THE OWNER. FILTERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15. PROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT FINAL ACCEPTANCE. ALL DUCT SIZES INDICATED IN THE PLANS (IF INSIDE DIMENSIONS. ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL AND CEILING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATIONS. ACCEPTABLE MANUFACTURER'S SHALL BE TITUS, METALAIRE, NAILORHART, HART & COOLIE OR AS DIRECTED BY THE OWNER. FLEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUM-INUM W/13/4 LB. DENSITY FIBERGLASS INSULATION AND SHALL BE UL. LISTED. SHEET METAL DUCT SHALL BE LINED W/1" MATFACED DUCT LINER & WRAPPED W/13/4 LB. FOILFACED FIBERGLASS INSULATION. ALL FIBERGLASS DUCT SHALL BE FOILFACED, R4.2/R6.0 DUCTBOARD. IT IS THE HYAC SUB-CONTRACTOR'S RESPONSIBILITY NFPA-90A AND ALL APPLICABLE CODES. HVAC SUB-CONTRACTOR SHALL PROVIDE TOOLS AND EQUIPMENT TO INSTALL A CORSYSTEM. DAMAGED SURFACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PORTION OF THE WORK. NSTALL HARDWARE FABRICATE WORK THE JOB SITE. PROTECT MILLWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO THE JOB SITE. UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PROTECTED FROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR INSTALLATION. ASSEMBLE WORK AT MILL INSOFAR AS POSSIBLE. MILLWORK SUB-CONTRACTOR THE LIKE FOR THIS PROJECT SOFT NOTES I THRU 6 OF THE GE IT IS THE RESPONSIBILITY OF THE HYAC SUB-CONTRAORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES IN THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARELEMENTS. HYAC SUB-CONTRACTOR SHALL FURNISH SHOP DWG: HYAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HYAC SUB-CONTRACTOR. SUB-CONTRACTORS PROVIDING HYAC INSTALLATION SHALL BE SUB-JECT TO THE PROVISIONS OF NOTES I THRU 6, GENERAL NOTES/D.Ia. CONDENSATE DRAIN PIPING SHALLARMAFLEX INSULATION. ALL WORK IN THIS TRADE SHALL BE COORDINATED TRADES SO AS TO AVOID CONFLICTS OR HINDERANDETHE JOB. HYAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PRO-YIDE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APPROYED BY THE EQUIPMENT MFG'R. IF REQUIRED BY THE OWNER, THE HYAC SUB-CONTRASUPPLY A TEST AND BALANCE REPORT IN ACCORD BALANCE COUNCIL STANDARDS, SIGN AND SEALED ENGINEER. EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET AL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA SMACNA STANDARDS. MILLWORK NOTES STANDARDS OF "AWI QUALITY STANDARDS & GUIDE APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE IN ACCORDANCE WITH MEASUREM! ♣ DELIVER Ш \vec{o} <u>n</u> Ö HANUFR'S HIS S INCLUDED) ARE NET READY TO INSTALL RACTOR SHALL DANCE WITH AIR BY A REGISTERED THE FOLLOWINGS, IN THE DINAWINGS, S, CATCHES, DARDS & SURFACE ACTOR TO CO-8 AND REGISTERS CHITECTURAL WITH ALL OTHER S FOR DUCTWORK, OR, MATERIALS, OPERATING HYAC ENTS TAKEN AT DIRECTIONS. TH 1/2" THICK YEAR AND THE TCHES AND ALL NECESSARY OR DIRECTED QUALITY REQ'D 10 CO BY OWNER HTIM Y7 4, 10, \vec{c} GENERAL PRESSURE TANK SHALL BE GALVANIZED 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER. POTABLE WATER WELLS SHALL BE A MINIMUM 4"+ WITH BLACK IRON CASING TO A DEPTH OF 80'-0". PUMPS SHALL BE OF THE SUBMERSIBLE TYPE, THREE WIRE SYSTEM, MINIMUM HORSEPOWER SHALL BE 1/2 H/P OR AS DIRECTED BY THE OWNER, MOTOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A P/T 4X4 POST AT THE WELL HEAD. SAND FILTER BEADS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT. SEPTIC DRAINFIELDS SHALL BE CONSTRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT. DRAINFIELD PIPING SHALL BE CLAY TILE OR P.Y.C. OR POLY AS ALLOWED BY THE SEPTIC TANK PERMIT. DRAINFIELD BEDS SHALL BE 3/4" WASHED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMIT. SEPTIC TANKS SHALL BE OF A SIZE & CONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. TANK MAT'L SHALL BE POURED CONCRETE OR FIBERGLASS AS ALLOWED BY THE SEPTIC TANK PERMI SEPTIC TANK LOCATION & DRAINFIELD INVERT SHALL BE DETERMINED WELL HEAD SHALL PROJECT 12" ABOVE GRADE LOCATION OF POTABLE WATER WELLS SHALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL DRILLING CONTRACTOR, WELLS SHALL NOT BE LOCATED CLOSER THAN 15'-0" TO ANY PROPOSED OR EXISTING SEPTIC TANK OR DRAINFIELD, EITHER ON SUBJECT PROPERTY OR ADJACENT/ADJOINING PROPERTY. SUB-CONTRACTORS PROVIDING WATER WELLS AND/OR SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TO THE PROVISIONS OF NOTES THRU 6, THIS SHEET ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-FREEZE BLEEDER FITTING, CHECKVALVE, AIR BLEEDERS, SHUTOFF VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTACTOR, UNIONS AND PRESSURE GAUGE. FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE ASSELECTED BY THE OWNER. PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAR. EST PLUMBING FIXTURE, DO NOT MANIFOLD. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.Y.C., SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES. SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALL-ATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES I THRU 6. PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES. P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS, P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS. DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING WATER PIPING SHALL BE TYPE L COPPER UP TO 1", \$ TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER. AT THE OWNERS OPTION SUPPLY PIPING MAY BE C.P.Y.C., SCHEDULE 40 OR SCHEDULE 80. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION. PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES. ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES. ALL WORK SHALL BE PREFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL. ALL MATERIALS SHALL BE NEW. ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS. DIELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS. OIL, WASTE, VENT & RAINWATER PIPING SHALL BE CAST IRON NO-HUB ØI-12 ABOYE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL 3ANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM OINTS OR AT THE OWNERS OPTION, P.Y.C., SCHEDULE 40, SEE NOTE 12. NATURE AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING. PLUMBING NOTES:

m C → 70 − C ♪ L NOTES: Genera

DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALLEQUIPMENT. CONFIRM WITH OWNER. NSTALL ALL ELECTRICAL WORK IN CONFORMANIEST EDITION, AND IT'S AMENDMENTS AS ADOPTIFIED OF COLORS AND INCOME. ANCE WITH THE NEC TED BY THE ONSTRUCTION.

INSTALL ONLY HIGH POWER FACTOR BALLASTS FIXTURES. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS. AT FLUORESCENT

INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, REST-ROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND ASNOTED ON THE DRAWINGS.

NSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL'OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.

NSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT: SIZE IN ACCORD WITH THE LOAD, ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVER-LOAD RELAYS IN EACH HOT LEG. SOLATE DISSIMILAR CONDUIT AND TUBING MET. JIATER AND GAS PIPING AND OTHER BUILDING DAMAGE BY FRICTION OR ELECTROLYSIS MAY JHERE ELECTRICAL GROUND IS PROVIDED. TALS FROM SOIL,
MATERIALS WHERE
OCCUR, EXCEPT

COORDINATE ALL WORK THROUGH GC TO AVOID CONFLICTS. CO-ORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O. OUTLET BOXES SHALL BE PRESSED STEEL OR DRY LOCATIONS, FOR WET LOCATIONS, CAST ALTHREADED HUB OUTLET BOXES SHALL BE INST FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS). R PLASTIC OR ALL LLOY WITH TALLED.

ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTI-FIED A TO WHAT IS INCLUDED ON SAID CIRCUIT. FLANG, SHALL BE WIRED FER NEC 100-12F. ATED ON THE

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THE ELECTRICAL INSTALLATION SHALL MEET A THE NOT THE INTENT OF THESE DRAWINGS TO S LEPHONE COMPANY. OW EVERY

FURNISH AND INSTALL DISCONNECT SWITCHES AN HVAC SYSTEM AS PER MANUFACTURER'S RECOMICONTROLS ARE TO BE SUPPLIED BY THE HVAC CONNECTED BY THE HVAC ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4". ALL CIRCUIT BREAKERS, TWO AND THREE POLE COMMON TRIP, NO TIE HANDLES OR TANDEMS S ACCEPTABLE. ND WIRING FOR MITENDATIONS.
CONTRACTOR, AND HALL BE

ELECTRICAL CONTRACTOR SHALL VERIFY ALL ALL ELECTRICAL APPLICATIONS & DETERMINE OF SAME. ANY DISCREPANCY SHALL BE REPOIPRIOR TO FABRICATING ANY MATERIALS, ORDEOR DOING ANY WORK. ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (C.L.) RATED 200,000 AIC. DERING COMPONENTS

DETEL TO THE OWNER

ORTED TO THE OWNER

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23. 22.

CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS. CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE. THE CONTRACTOR SHALL PROVIDE CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.

WHEN CONDUIT RUNS EXCEED 200 FEET, PULL E PANEL BOARDS SHALL BE CIRCUIT BREAKER NUMBER AND SIZES OF CIRCUITS. TYPE, VERIFY BOXES SHALL BE

ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX, AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY

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GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE 250 OF NEC-2020

TALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, JN, THHN OR NY CABLE, UNLESS NOTED OTHERWISE, ALL NOUCTORS *10 & SMALLER MAY BE SOLID. ALL CONDUCTORS AND LARGER SHALL BE STRANDED TYPE.

PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPEN-INGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.

ELECTRICAL CODE: NATIONAL ELECTRICAL LIFE SAFETY: NFPA-IØI - LATEST CONSTRUCTION DOCUMENTS

HE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE SOUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW HE CONSTRUCTION DOCUMENTS AND VERIET ALL DIMENSIONS. ANY DISTREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE REPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE AMPMENCEMENT OF ANY WORK OR FABRACATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS
AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS.
SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE
ITEMS NOT DIMENSIONED.

CHANGIES TO FINAL PLAN SITES
PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.

TOROJECT INFORMATION / NOTES:

DESIGN YALUES/LOADS & CODES
WIND DESIGN SPEED: 130 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:
OOTING DESIGN IS BASED UPON 1000PSF SOIL BEARING PRESSURE PROYIDED BY CLEAN SAND, GRAYEL OR STONE. OTHER SOIL CONDITIONS
SE CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL
REQUIRE FOUNDATION MODIFACATIONS. IVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 30PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE PESIGN WIND SPEED. UILDING CODE: 2020 FLORIDA BUILDING CODE, 1th EDITION

CODE - 2020

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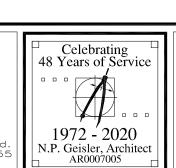


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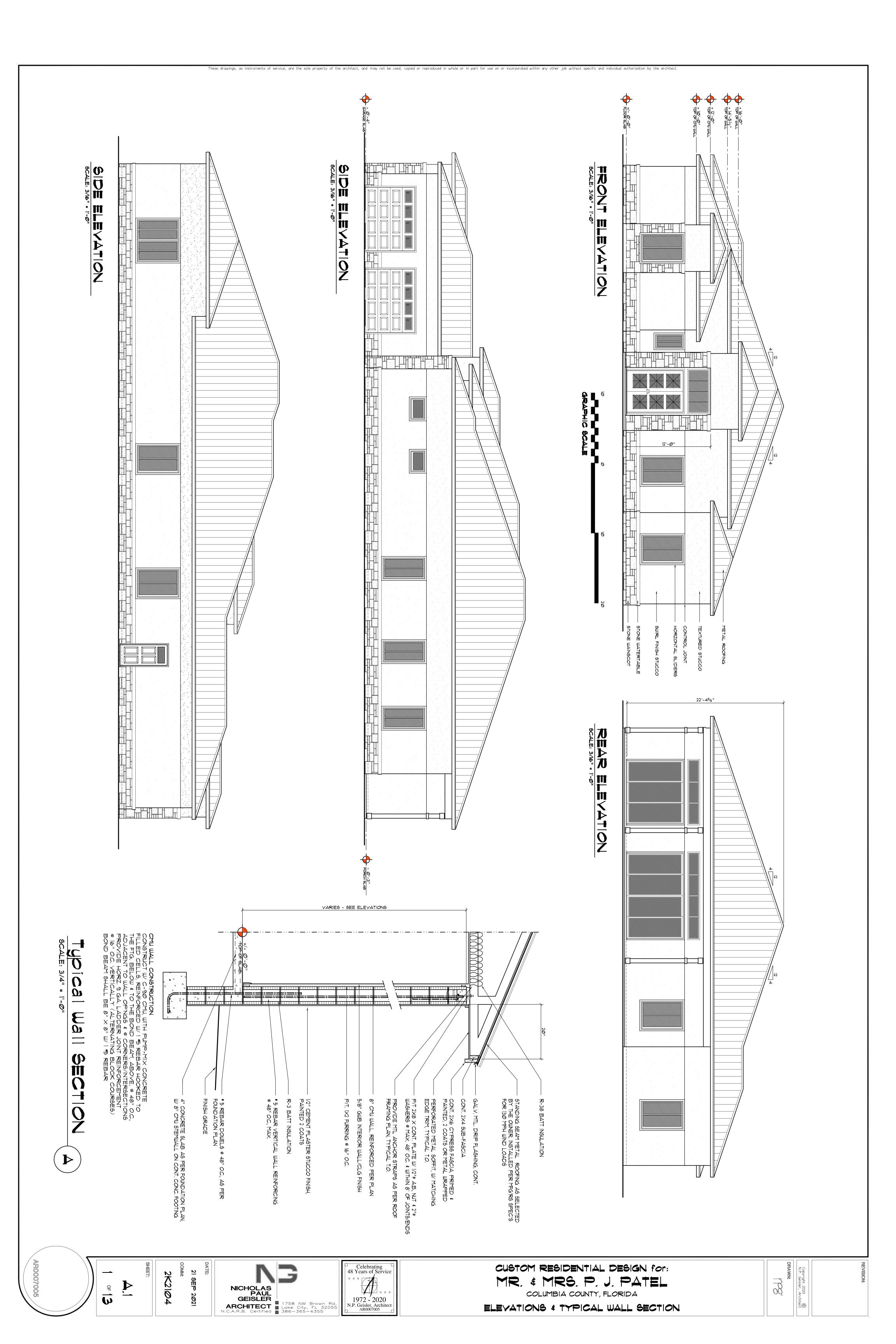


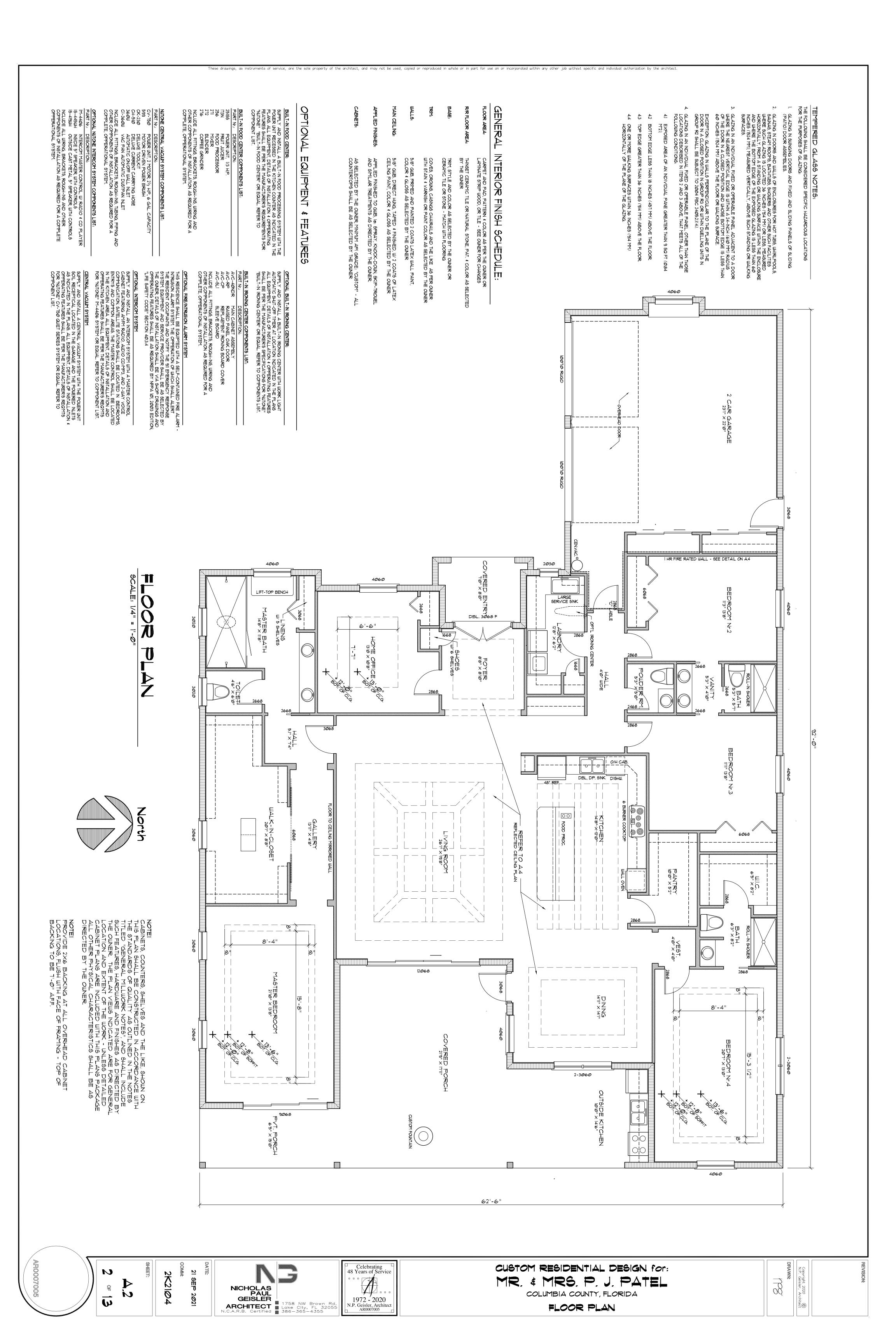


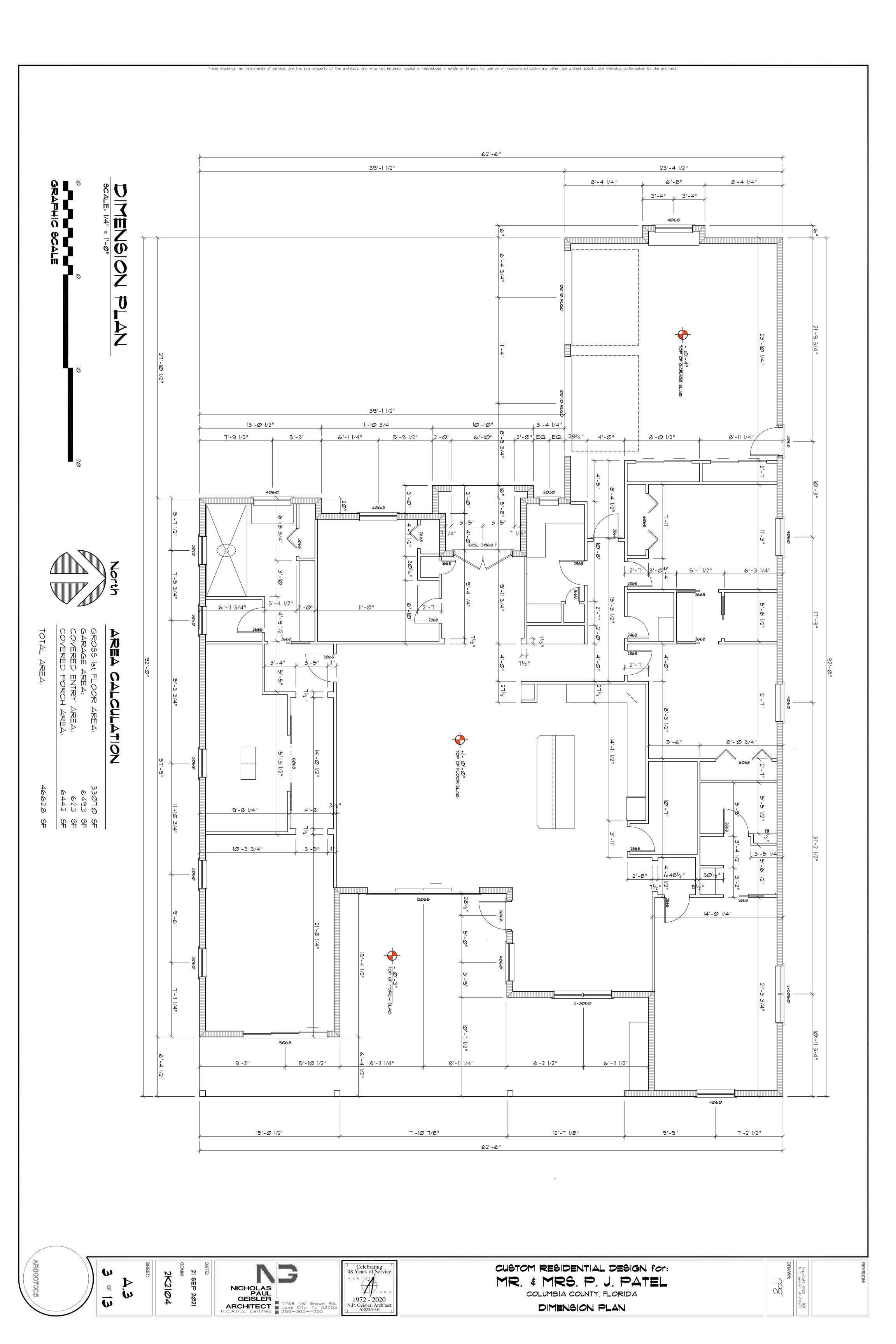


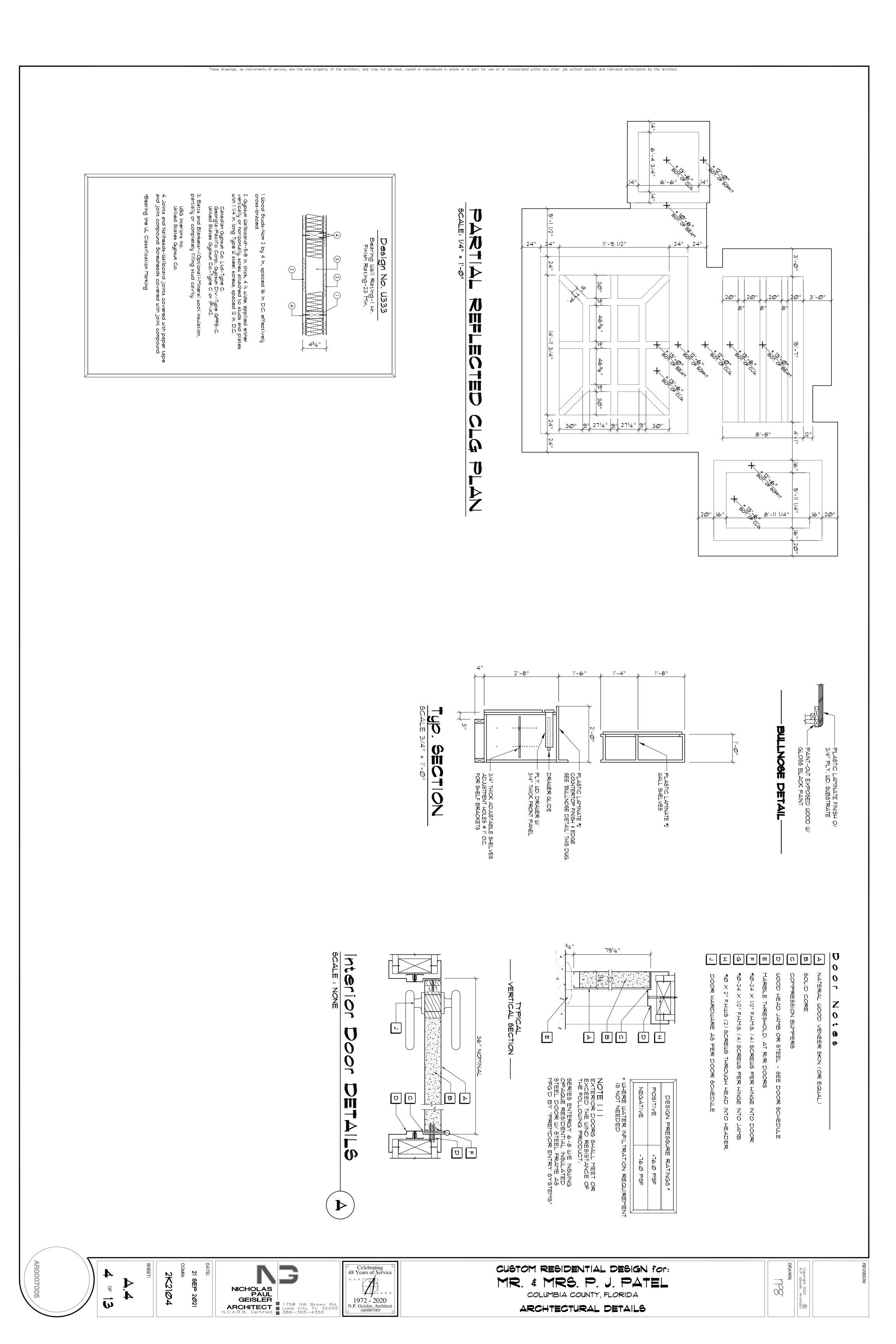


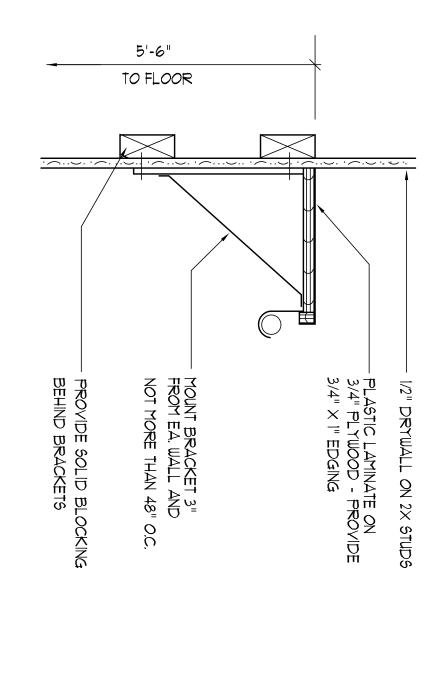












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"CRACKED ICE" LENGE, DIVIDER @ 1/3 POINTS -

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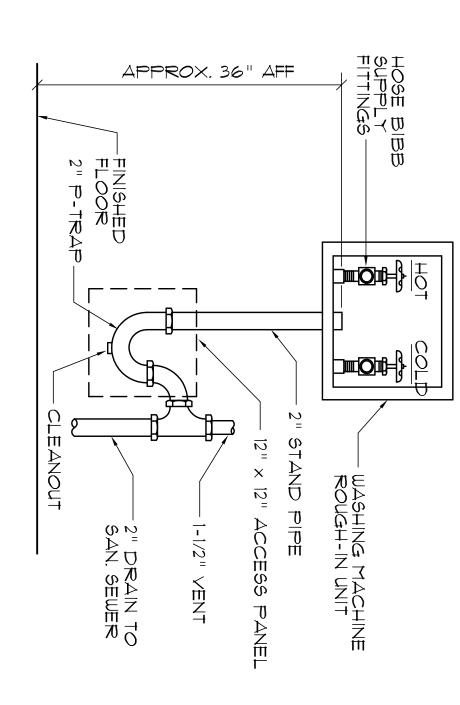
R-38 BATT INSULATION, TYPICAL, THRU-OUT —

3" OROWN MOULDING, OPTIL,

DINDONA

YARIE\$

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ST. Basci **Nachino** ロートのロー

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RIDGE/HIP CAP\$ 4" END LAPS WITH CONTINUOUS CAULK AT LAPS, POP RIVET TO ZEE CLOSURE 40" O.C.

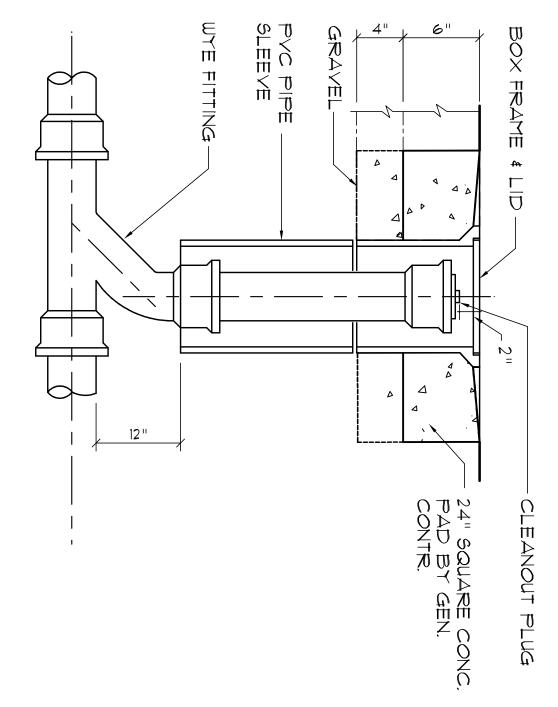
FANEL I

DETAIL

CONT. CEE-RIB
OR CEE-CLIP SECTION

1 7/16"

1 1/2"



7. A I I 3/4" = 1'-0" SCALE: 3/4" =



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 $2lac{1}{2}$ " CASING MOULDING, ALL AROUND — RETURN CASING TO WALL & OPEN ENDS

5/8" GWB, W/ KNOCK-DOWN FINISH,

PAINTED

OF TA DNIMANT TITTOO

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KEYLESS SOCKET W/ LED. SPACED ® 16" O.C. ----

TAINT INTERIOR "TINK"

DIRECTED BY THE OWNER

ON AS



GABLE DETAIL

SCALE: NONE

/ PANEL

TURNDOWN

NOTE: FIELD CUT AND FORM LAST PANEL

AROUND DRIP

FLASHING, PANEL

MUST BE

Soffit

METAL ROOFING INSTALLATION NOTES

DOUBLE LAYER OF NUMBER THIRTY FELT UNDERLAYMENT OR EQUAL AND THE CEE-LOCK OPTIONAL VINYL WEATHERSEAL (US PATENT NO. 4,641,475) ARE RECOMMENDED FOR ALL APPLICATIONS WHERE THE ROOF SLOPE IS 3 ON 17 OR LESS STRIPPABLE FILM: THE STRIPPABLE PLASTIC FILM WHICH IS APPLIED OVER MOST BERRIDGE PREFINISHED PRODUCTS, PANELS, FLASHINGS, COILS, AND FLAT SHEETS PROVIDES PROTECTION OF THE FINISH DURING FABRICATION AND TRANSIT. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION.

ROOFING PANE

- SOLID SHEATHING REQUIREMENTS: 5/8" PLYWOOD SHEATHING SHALL BE USED TO PROVIDE SUFFICIENT HOLDING POWER FOR FASTENERS.

- SHEATHING INSPECTION:

 A. SHEATHING END JOINTS SHOULD BE STAGGERED.

 B. ALL END JOINTS SHOULD MEET AT EITHER A JOIST OR RAFTER.

 C. BLOCKING OR "H" CLIPS SHOULD BE USED IF JOISTS DO NOT RITHE WEIGHT OF WORKMEN.
- D. USE SHIMS TO KEEP ENTIRE SUBSTRATE EVEN. UNEVEN SUBSTRATE WILL RESULT IN "OIL-CANNING" IN PANELS. SUBSTRATE SHOULD BE LEVEL TO 1/4" IN 20'-0".
- G. MAKE SURE SUBSTRATE JOINTS ARE TIGHT AT ALL ALL CUTS AT PENETRATIONS SHOULD BE TIGHT, WITHOUT GAPS. 8
- B. MAKE SURE FASCIA/RAKE IS FLUSH WITH SHEATHING. STRIKE A LINE THE FULL LENGTH OF THE FASCIA OR RAKE. CORRECT WITH SHIMS.

IØ. PANEL INSTALLATION:
A. REMOVE STRIPPABL
B. START PANEL INSTAL

- 1. FELTING INSTALLATION:

 A. DO NOT USE RED ROSIN PAPER UNDER METAL ROOFING

 B. SWEEP ROOF AREA CLEAN.

 C. USE FLAT HEAD GALVANIZED ROOFING NAILS × 1 1/4" LOI
 GALVANIZED FELT CAPS.

 D. INSTALL VALLEY FELT FIRST. FLASHING: IF BERRIDGE MANUFACTURING COMPANY IS TO SUPPLIFLASHINGS WILL BE FABRICATED IN 10'-0" LENGTHS WITH SQUARE THE PURCHASER MUST PROVIDE ALL DIMENSIONS AND DEGREE C C. INSTALL ALL FLASHINGS AS PER BERRIDGE TYPICAL DETAILS.

 D. ALL FLASHINGS ARE TO BE DESIGNED AND INSTALLED TO NOT B. ALWAYS STAGGER JOINTS WHEN ONE FLASHING IS INSTALLED ON A. REMOVE STRIPPABLE PLASTIC FILM FROM ALL FLASHINGS PRIO E. INSTALL FELT PARALLEL TO EAVE (2 LAYERS REQUIRED AT EATERYE AND USING MINIMUM 6" LAPS, USE TWO LAYERS OF FELT DECK IF ROOF SLOPE IS 3 ON 12 OR LESS, 2 LAYERS OF FELT EAVE REGARDLESS OF SLOPE. LY FLASHINGS, ALL E END CUTS ONLY. OF ANGLES.

AVE), STARTING AT ON ENTIRE ROOF

- OR TO INSTALLATION. TER OTHER FLASHING
- C. BEGIN BY INSTALLING J-CLIP AND/OR DRIP FIRST CEE-LOCK CONTINUOUS LENGTH PANE REMOVE STRIPPABLE PLASTIC FILM FROM EACH PANEL PRIOR START PANEL INSTALLATION AT ON GABLE END OF THE ROOF, IL THE OTHER GABLE END. MAKE SURE PANELS ARE PERPENDICULAT VALLEY AREAS, MAKE SURE PANELS ARE INSTALLED SO THEREE FLOW AND IS NOT OBSTRUCTED BY PANEL SEAMS. FLASHING AT GABL E THEN PLACING TO INSTALLATION.

D. INSTALL CEE-LOCK CLIPS OR CONTINUOUS CEE-RIB AS PER BERRIDGE TYPICAL DETAILS AND CEE-LOCK CONTINUOUS RIB/CLIP INSTALLATION NOTES.

- E. IF OPTIONAL VINYL WEATHERSEAL (US PATENT 4,641,475) IS TO BE USED, THIS WILL BE EITHER FACTORY NISTALLED OR NISTALLED IN THE FIELD AS THE CEEL-LOCK PANEL EXITS FROM THE CL-2! PORTABLE ROLL FORTER.

 F. INSTALL PANELS BY PLACING THE FEMALE LEG OVER THE MALE LEG AND CONTINUOUS CEEL-RIB OR CLIP AND SNAPPING THE INTEGRAL SEAM INTO PLACE WITH HAND PRESSURE. DO NOT USE EXCESSIVE FORCE, FOOT PRESSURE OR OTHER TOOLS SUCH AS MALLETS AS THIS WILL SCRATCH OR DENT THE PANEL RIB AND CAUSE DEFORMATION TO THE VINYL WEATHERSEAL.

 G. EACH PANEL IS TO BE KEPT TIGHT AGAINST THE LEG OF THE ADJOINING PANEL. NEVER PERMIT A GAP BETWEEN VERTICAL LEGS.

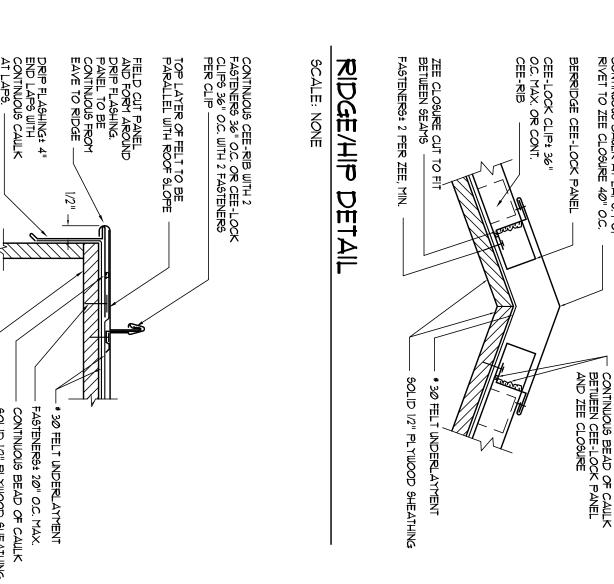
 H. KEIEP PANELS ALIGNED SO THAT SEAMS MATCH AT HIPS, VALLEYS AND WHERE VERTICAL PANELS ADJOIN ROOF PANELS DO NOT INSTALL LONG CONTINUOUS RUNS OF PANELS ALL AT ONE TIME WHERE SEAM LINES MUST MATCH, INSTALL TON OR THE OR THE MALE SAIL AT ONE THE ELEVATION AND THEN FOLLOW WITH A LIKE NUMBER OF PANELS ON THE OTHER ELEVATION AND THEN FOLLOW WITH A LIKE NUMBER OF PANELS ON THE OTHER ELEVATION, WHEN YOU INSTALL PANELS IN THIS MANCHER, YOU WILL BE ABLE TO MAKE ANY ADJUSTMENTS REQUIRED TO INSURE SEAM MATCHING.

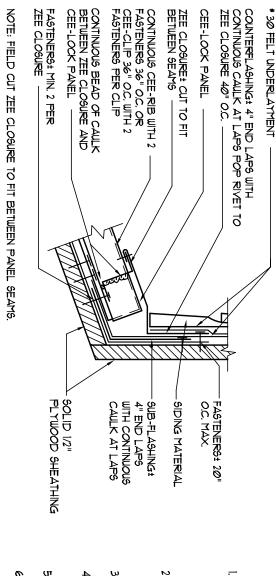
 J. COPPER-COTE, CHAMPAGNE, LEAD-COTE, AND PREWEATHER GALVALUME PANEL IN THE PANEL IN THE SERIES OF ARROWS PAINTED ON THE UNDERSOIDE OF THE PANEL. ALL PANELS MUST BE INSTALLED IN CONSISTENT MANNER, MEANING THAT THE ARROWS ON EVERY PANEL ARE ALL POINTING IN THE SAME DIRECTION. IF A PANEL IS REVERSED (ARROWS POINTING OPPOSITE OF THE PREMELS) IT WILL APPEAR, FROM A DISTANCE, A DIFFERENT SHADE DUE TO THE GRANULAR OF THE PIGNENTS IN THE FINISHES ARE MATCH LOT FINISHES, DO NOT MIX LOTS.

FLASHING DETAIL

- A. INSTALL CLIPS AT PER BERRIDGE TYPICAL CEE-LOCK PANEL DETAILS B. CLIP SPACING ON SOLID SHEATHING TYPICALLY 36" ON CENTER
- TREMCO, INC. SPECTREM I SILICONE SEALANT. DO NOT USE CLEAR CAULK.

HESE INSTALLATION INSTRUCTIONS AND THE FOLLOWING TYPICAL DETAILS ARE INTENDED TO PROVIDE OUR CUSTOMERS WITH THE INFORMATION REQUIRED FOR AN AESTHETICALLY PLEASING AND FUNCTIONAL INSTALLATION OF THE BERRIDGE CEE-LOCK STANDING SEAM ROOF PANEL SYSTEM.





DECK - 5/8" APA 40/20 PLYWOOD.

CEE-CLIP (PANEL CLIP) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL. CEE-CLIP LOCATED AT EACH PANEL SIDE LAPS BEING PLACED AT 3'-0" O.C. MAXIMUM.

JOIST - 2" \times 4" AT 2'- θ " O.C. MAXIMUM WITH #2 \times 2" PAN HEAD WOOD SCREW AT 12" O.C. MAX. AT PLYWOOD TO JOIST CONNECTION AND AT PLYWOOD ENDS

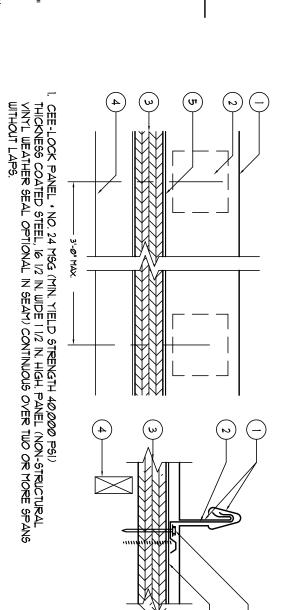
FASTENERS (SCREWS) - FOR ATTACHING "CEE-CLIP" (ITEM TWO) TO DECK USE NO. 10 PANCAKE HEAD TEKS STEEL SCREWS, TWO FASTENER PER "CEE-CLIP".

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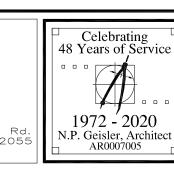
CLIP FASTENER DETAIL THE STANDING SEAM METAL ROOF SYSTEM
SHALL COMPLY WITH BERRIDGE MANUFACTURING
COMPANY' SPECIFICATIONS & DETAILS AS
SHOWN ON THIS DRAWING, OR AN APPROVED
PRODUCT OF EQUAL DESIGN. ALE: NONE

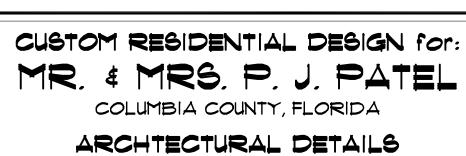
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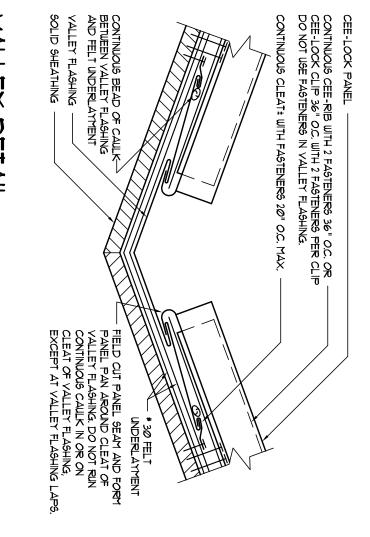
APPROVED ALTERNATE:
ENGLERT, INC.
1200 AMBOY AVENUE
PERTH AMBOY, NJ 08862
1-800-610-1975
http://www.englertinc.com

BERRIDGE MANUFACTURING COMPANY 1120 MAURY STREET HOUSTON, TX 11026 1-800-231-8121 http://www.berridge.com









DRAWN:

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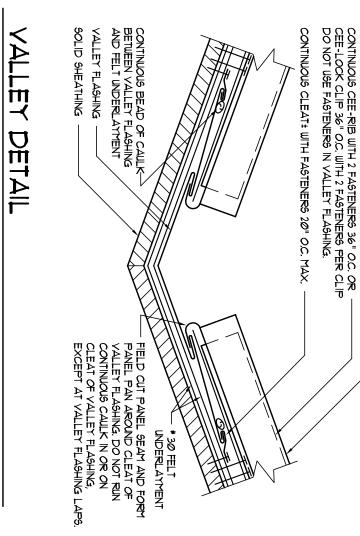
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1 1/2"

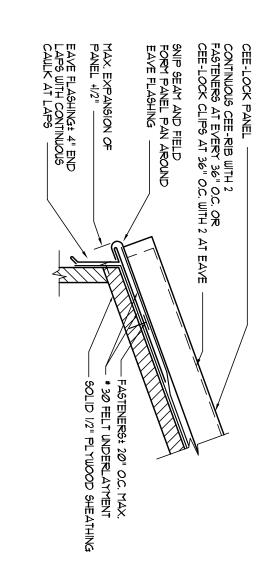
1 3/8"

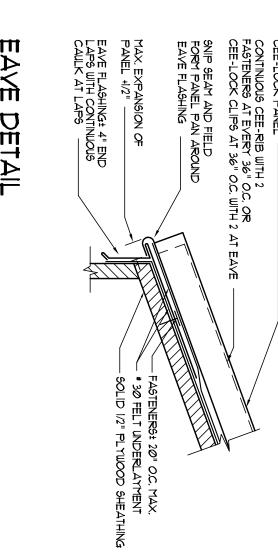
PANEL SECTION

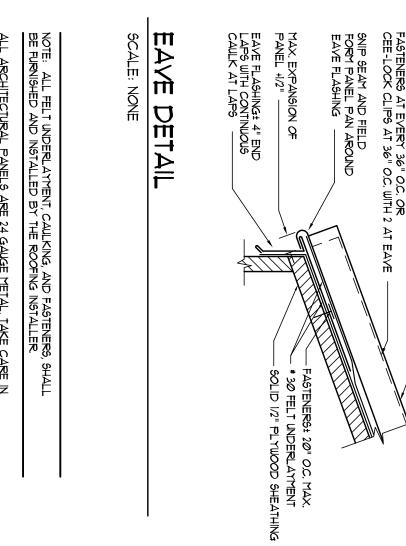
6 1/2"

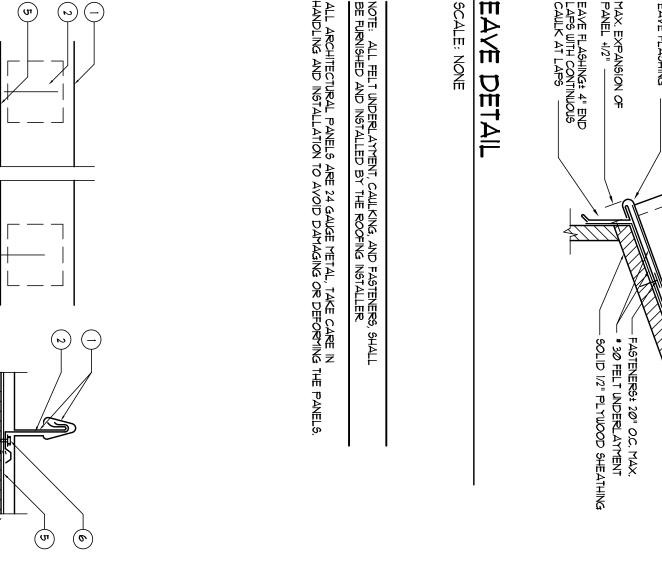


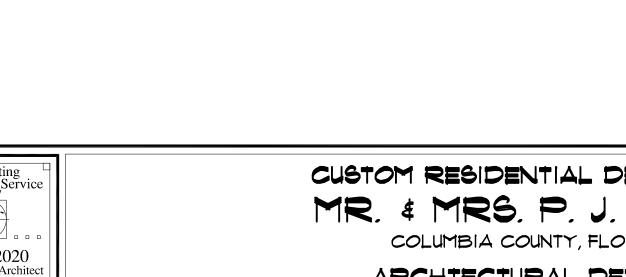
IONAL VINYL











70 D STRUCTURAL

2. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A OR SECTION IS SHOWN. NGS ARE INTENDED TO SHOW THE GENERAL INTENDED TO BE SCALED FOR ROUGH-S ARE NIENDED
O ANY GIMILAR
A DIFFERENT DETAIL

4. IF ANY ERRORS OR OMISSIONS APPEAR IN THE DRAWINGS, GENERAL NOTES OR OTHER DOCUMENTS, THE CONTRACTOR SHALL NOTEY THE ENGINEER IN WRITING OF SUCH OMISSION OR ERROR PRIOR TO PROCEEDING WITH ANY WORK WHICH APPEARS IN QUESTION. IN THE EVENT OF THE CONTRACTOR'S FAILING TO GIVE SUCH AN ADVANCED NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS AND THE COST OF RECTIFYING THE SAME. UBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS ND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS ND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS ITHE ABOVE TO THE ARCHITECT/ENGINEER BEFORE COMMENCING WORK.
HE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK.
ROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, LEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.

NOTING, OF ANY POTENTIAL CONFLICTS BEFORE PROCEEDING WITH THE LORAK.

ONLY AFTER THEY HAVE BEEN THOROUGHLY REVIEWED BY THE CONTRACTOR CONSTRUCTION METHODS, DIMENSIONS AND OTHER TRADE REQUIREMENTS, AND STAMPED WITH THE CONTRACTOR'S APPROVAL STAMP. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ENGINEER ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ENGINEERING DESIGN BY DELEGATED ENGINEERS, ERRORS OR OMISSIONS RESULT OF REVIEWING ANY SHOP DRAWINGS. ANY ERRORS OR OMISSIONS MUST BE MADE GOOD BY THE CONTRACTOR, IRRESPECTIVE OF RECEIPT, CHECKING OR REVIEW OF DRAWINGS BY THE ENGINEER AND EVEN THOUGH WORK IS DONE IN ACCORDANCE WITH SUCH DRAWINGS.

BEFORE STRUCTURAL INSPECTIONS CAN BE MADE ON A PORTION
THE STRUCTURE, ALL RELATED SHOP DRAWINGS, DELEGATED ENGINEERING, RODUCT APPROVAL, MANUFACTURER'S DATA AND OTHER RELATED
ORMATION, MUST BE REVIEWED AND ACCEPTED BY THE ENGINEER"RECORD AND APPROVED BY THE BUILDING DEPARTMENT.

4. A/E WILL REVIEW ALL SUBMITTED SHOP DRAWINGS, PREPARED AND SIGNED AND SEALED BY THE CONTRACTOR'S DELEGATED ENGINEER, ONLY FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT, REQUIRED LOADING AND COORDINATION WITH THE STRUCTURAL DESIGN. . SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION SHOWN ON THE TRUCTURAL PLANS (RELATED TO THE DELEGATED DESIGN) INCLUDING ESIGN LOADS, IN ADDITION TO THE INFORMATION REQUIRED BY THE PLEGATED ENGINEER'S DESIGN.

5. CONTRACTOR SHALL SUBMIT TO THE A/E ONLY ONE SET OF SEPIA AND TWO SETS OF BLUE PRINTS OF THE STRUCTURAL SHOP DRAWINGS FOR A/E REVIEW, BEFORE STARTING FABRICATION. THE A/E WILL RETURN THE MARKED-UP AND STAMPED SEPIA TO THE CONTRACTOR. THESE SEPIA COPIES SHALL BE USED TO MAKE THE PRINTS REQUIRED FOR SHOP DRAWING DISTRIBUTION. SETS OF BLUE PRINTS (WITHOUT SEPIA) WILL NOT BE ACCEPTED.

CONSTRUCTION MEANS AND METHODS:

. THE CONTRACTOR IS RESPONSIBLE AND SHALL COMPLY WITH THE AFETY REQUIREMENTS OF THE STANDARD BUILDING CODE AND APPLICABLE OCAL, STATE AND FEDERAL LAWS. THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE IN PROCEDURES, SAFETY PRECAUTIONS, SHORES, RESHORES, LATERAL RACING AND PROGRAMS IN CONNECTION WITH THE PROJECT, ARE THE ESPONSIBILITY OF THE CONTRACTOR. OUR SERVICES DO NOT GUARAN OR ASSURE LIABILITY FOR THE JOB SAFETY, TEMPORARY SHORING AN RACING AND THE PERFORMANCE OF THE CONTRACTOR.

). PROVIDE ALL SHORING, BRACING AND SHEETING AS REQUIRED FOR SAFETY, STRUCTURAL STABILITY AND FOR THE PROPER EXECUTION OF THE JORK. REMOVE WHEN WORK IS COMPLETED.

B. AT ALL TIMES, PROVIDE PROTECTION AGAINST WEATHER (RAIN, WIND, STORMS OR THE SUN), SO AS TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FREE FROM INJURY OR DAMAGE. RENCHES OR PITS ADJACENT TO PUBLIC WALKS OR ROADS.

. AT THE END OF THE DAYS WORK, COVER ALL WORK LIKELY TO BE AMAGED. ANY WORK DAMAGED BY FAILURE TO PROVIDE PROTECTION E REMOVED AND REPLACED WITH NEW WORK AT THE CONTRACTOR'S XPENSE.

T. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES TO ADJACENT STRUCTURES, SIDEWALKS AND TO STREETS OR OTHER PUBLIC PROPERTY PUBLIC UTILITIES.

STRUCTURAL DESIGN CRITERIA:

LOAD CRITERIA: ANSI/ASCE 7-9<u>1</u>.

4. FLOOR DESIGN LOADS: SUPERIMPOSED DEAD LOADS: SUPERIMPOSED LIVE LOADS: RESIDENTIAL 40 PSF

I I I I

I. FOUNDATION
GRADE OR CLE
MAXIMUM. A CH
OWNER TO VER
SAID SOIL CAF
REGISTERED FO
THE FOOTINGS.

2. NATURAL L GRADE (OR FILL) BELOW FOOTINGS SHALL BED TO 98% MODIFIED PROCTOR (ASTM D-1557).

3. TOP OF WALL FOOTINGS TO BE AT THE SAME ELEVATION TO THE FOOTING FROM HIGHER USER ONE (AS DETAILED ON THE PLANS).

4. TOP OF CONCINETE & CONCINETE & SELOW FINIS STEPS ON E. ALL FOOTINGS TO BE A MINIMUM 1'-4" BELOW THE TOP OF SLAB ON GRADE (UNLESS OTHERWISE NOTED) OR MINIMUM 1'-0" SHED GRADE, WHICHEVER IS LOWER. IN THE EVENT THAT THE SLAB SACH SIDE OF THE FOOTING, THE FOOTING SHALL BE 1'-4" BELOW TOP IER SLAB.

, REINFORCING IN THE CONTINUOUS WALL FOOTINGS (MONOLITHIC ND NON-MONOLITHIC) SHALL BE SPLICED 36 BAR DIAMETERS MINIMUM AND HALL EXTEND CONTINUOUSLY THRU ALL FOOTING PADS. NGITUDINAL REBARS IN THE CONTINUOUS WALL FOOTINGS,
YONTINUED AT BENTS AND CORNERS BY BENDING THE REBARS 48
TERS AROUND THE CORNERS OR ADDING MATCHING CORNER BARS,
48 BAR-DIAMETERS INTO FOOTING EACH SIDE OF CORNER OR BENT

SLABS ON GRADE:

3. ALL CON ATEST A.S. TANUAL OF NORETE TO BE REGULAR WEIGHT WITH A DESIGN STRENGTH .S.I. AT 28 DAYS. MAXIMUM SLUMP 5".

SUMPLO ND BEAMS (TO THE TIES) ...

TO CONCRET WELS FOR COLUMNS SHALL BE SECURED IN POSITION PRIOR TING. PUSHING THE DOWELS INTO POSITION IN WET CONCRETE TED. $\overline{\omega}$

3. BEAM REINFORCEMENT: LAPPED 36 BAR DIAMETER OR MINIMUM 18 NCHES. BOTTOM BARS SPLICED ONLY AT SUPPORTS, TOP BARS SPLICED YNLY AT MID-SPAN. ALL TOP BARS HOOKED AT NONCONTINUOUS EDGES NON.). ALL HOOKS TO BE STANDARD 30 DEGREE HOOKS AS REQUIRED

THENFORCEMENT: PROVIDE ADDITIONAL CORNER BARS HES MINIMUM EACH WAY AT "L" AND "T" CORNERS IN OUTER FACES MS TO MATCH ALL HORIZONTAL BAR (TOP, BOTTOM AND TE REBARS).

SEE PL AN FOR MINIMUM SIZE CONCRETE TIE BEAM REQUIREMENTS

REINFORCED MASONRY WALLS:

ALL FOOTINGS SHALL BE 12" MINIMUM THICKNESS.

- "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (A

3. JOINTS SHALL BE PROVIDED IN ALL INTERIOR SLABS ON GRADE AT COLUMN CENTER-LINES DIVIDING THE SLAB INTO SQUARE PANELS NOT TEXCEED 20 X 20 FT. IN SIZE. CAST SLAB IN LONG ALTERNATE STRIPS. FA CONTRACTION JOINT BETWEEN EACH STRIP. SEE PLAN FOR SAW-CUT, CONTRACTION AND ISOLATION JOINT DETAILS.

4. PROVIDE SPACING OF FICUON.) FIVE FEET ON CENTERS AND ISOLATION JOINTS AT 20 FEET

CONCRETE AND REINFORCING

I CONCRET TE DESIGN AND REINFORCEMENT IN ACCORDANCE WITH CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318 TION) AND WITH "DETAILS AND DETAILING OF CONCRETE MENT" - (A.C.I. 315 - LATEST EDITION).

NORETE WORK IN ACCORDANCE WITH "SPECIFICATIONS FOR L CONCRETE FOR BUILDING" (A.C.I. 301 - LATEST EDITION).

N OF CONCRETE, DELIVERY, PLACING AND CURING TO BE IN CONCRETE, DELIVERY CONCRETING" (A.C.I. 305R - LATEST).

ABS ON

9. COLUMN REINFORCEMENT: DOWELS TO BE SAME SIZE AND NUMBER AS VERTICAL REBARS ABOVE. LAP 36 BAR DIAMETER OR IS INCHES, U.O.N. PROVIDE RIGID TEMPLATES FOR DOWEL LOCATION. STANDARD HOOKS AT TOP OF ALL VERTICAL REINFORCEMENT AT NONCONTINUOUS COLUMNS (U.O.N.).

(D) VERTICAL REINFORCEMENT SHALL BE PROVIDED AT EACH SIDE OF OPENINGS IN WALL, AT WALL INTERSECTIONS, CORNERS AND ENDS. THIS REINFORCING SHALL BE THE SAME SIZE AS THE SCHEDULED WALL REINFORCING FOR THE PARTICULAR WALL BUT NEVER LESS THAN A *5 REBAR. SPECIAL CARE SHALL BE TAKEN TO INSURE THAT CELLS TO BE GROUTED LINE TROPERLY AND ARE CLEAN OF EXCESS MORTAR.

(E) ALL VERTICAL REINFORCING SHALL BE HOOKED INTO THE BOND BEAMS AT THE NON-CONTINUOUS END OF THE REBARS.

INSTALLATION OF TRUSSES LONGER THAN 35 FT. OR HIGHER THAN FT. SHALL BE MADE UNDER THE DIRECT SUPERVISION OF A LICENSED STRUCTURAL ENGINEER A ARCHITECT.

TRUSSES SHALL BE INSTALLED WITH OUT OF PLUMB AND OUT OF ANE TOLERANCES, AS PER THE "TRUSS PLATE INSTITUTE" (SHOWN ON THE OF PLAN). ANY TRUSS EXCEEDING THE SPECIFIED TOLERANCE MUST BE ALIGNED OR REPLACED.

REINFORCED MASONRY CELL, AS REQUIRED FOR LIFTS HIGHER THAN

PROVIDE GALVANIZED *9 GAGE, LADDER TYPE HORIZONTAL JOINT REINFORCING EVERY SECOND BLOCK COURSE (1'-4" O.C. VERTICALLY) 1-1/2". PROVIDE SPECIAL HORIZONTAL REINFORCING AT "T" AND "L" NTERSECTION. ANCHOR TO COLUMNS WITH MINIMUM 4" EXTENSION INTO AREA OF POUR.

IØ. CELL FILLING CONCRETE SHALL BE "PEA DOCK" CONCRETE MIX TO 9" SLUMP) OR GROUT WITH f'c=3,500 PSI MIN. AT 28 DAYS.

A. THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE OR AST-N-SITE LINTELS AT THE HEADS OF ALL OPENINGS IN MASONRY OT EXCEEDING SIX (6) FEET IN WIDTH WHERE BEAMS HAVE NOT BEEFECHED. FOR OPENING ADJACENT TO CONCRETE COLUMNS - THE HALL BE CAST-IN-PLACE WITH THE COLUMN. Z T III I

DEAM'S

D. LINTEL TO BE MINIMUM OF 8 INCHES DEEP WITH 2-*4 TOP AND BOTTOM FOR CLEAR SPANS LESS THAN 6 FEET, 12 INCHES DEEP WITH AND BOTTOM AND 2-*3 STIRRUPS AT 6 INCHES O.C. EACH END, FOR SGREATER THAN 6 FEET (UP TO 8 FEET). CALL ENGINEER FOR SPANS THAN 8 FEET WITH NO SPECIFIED BEAMS OR LINTELS OVER. ŽANO ARGER

STRUCTURAL STEEL: (SHOP DRAWINGS REQUIRED)

1. ALL STRUCTURAL STEEL TO BE DOMESTIC A.S.T.M. A-36 (Fy=36) AND DESIGNED IN ACCORDANCE WITH THE LATEST A.I.S.C. "SPECIFI THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL 1 BUILDINGS" AND THE A.I.S.C. CODE OF STANDARD PRACTICE.

2. STEEL TUBES TO BE DOMESTIC STEEL CONFORMING TO A.S.T.M. A-500 GRADE B (Fy=46 K.S.I.). TO BE CONCRETE FILLED WITH VENT

3. ALL COLUMN BASE AND CAP PLATES SHALL BE 3/4" THICK (UNLE OTHERWISE NOTED). WIDTH AND LENGTH AS REQUIRED FOR PROPER AND AS INDICATED ON THE PLANS AND DETAILS. 4. ALL WELDING TO BE IN ACCORDANCE WITH A.W.S. LATEST "STRUCTURAL WELDING CODE - STEEL". CLEAN AND RUSTPROOF WELDS WITH HEAVY DUTY RUSTPROOFING PAINT.

5. ALL CONNECTIONS TO BE FIELD AND SHOP WELDED AND DEVELOP MEMBER IN SHEAR. SPLICE LOCATIONS TO BE REVIEWED BY ARCHITECT/ENGINEER.

STEEL BEARING ON STEEL TO BE WELDED THERETO. WOOD:

1. TO CONFORM TO RULES OF THE MANUFACTURER'S ASSOCIATION UNDER WHOSE RULES THE LUMBER IS PRODUCED. (SEE SUPPLIER'S SPECIFICATIONS).

3. TO BE NO.2 SOUTHERN PINE, UTILITY WEST COAST HEMLOCK. GRADE DOUGLAS FIR OR GRADE MARKED AT MI

5. ALL LUMBER AND PLYWOOD IN CONTACT WITH CONCRETE, STUCCO, MASONRY OR OTHER CEMENTITIOUS MATERIALS SHALL BE TI TO COMPLY WITH AWPA STANDARD LP-2. 4. ALL STRUCTURAL WOOD TO BE SURFACED FOUR (4)SIDES (5-4-5)WITH A MINIMUM FIBER STRESS IN BENDING OF 1,200 P.S.I. AND A MAXIMUM MOISTURE CONTENT OF 13 PERCENT. REATED

, STORE ALL LUMBER ABOYE GRADE OR FLOOR, STACK TO ALLOW ROPER AIR CIRCULATION AND PROTECT FROM WETTING WITH SUITABLE OVER.

1. DESIGNED AND FABRICATED IN ACCORDANCE WITH "NATIONAL DESIGN SPECIFICATIONS FOR STRESS GRADE LUMBER AND ITS FASTE NFPA (LATEST REVISION).

(DELEGATED ENGINEERED SHOP DRAWING REQUIRED)

6. THE USE OF ADMIXTURES SHALL NOT BE PERMITTED WITHOUT PRIOR REVIEW OF THE ENGINEER. MASONRY ANCHORAGE TO SUPERSTRUCTURE SHALL BE PROVIDED ACCORDANCE WITH STRUCTURAL DRAWINGS AND DETAILS.

VERTICAL REINFORCING: (A) ASTM A-615 PER REINFORCING SECTION.

(C) VERTICAL REINFORCING STEEL SHALL BE PLACED CENTERED IN THE CELL. LAP 48 BAR-DIAMETERS, PROVIDE BAR SPACERS AS REQUIRED MAINTAIN REINFORCING SECURED IN POSITION.

Y THE STRUCTURAL PLANS INDICATE ALL THE REQUIRED LATERAL PERMANENT BRIDGING, AS RECOMMENDED BY THE "TRUSS PLATE INSTITUTE". RUSS DESIGNER ENGINEER SHALL PROVIDE INFORMATION AND SHOW ON YLAN, ALL LATERAL BRACING OF ANY TRUSS INDIVIDUAL MEMBERS, AS YEQUIRED BY TRUSS DESIGN.

9. PROVIDE "DOVE-TAIL" ANCHORS AT 16" O.C. VERTICALLY FOR A MASONRY PLACED ADJACENT TO ALREADY IN PLACE COLUMNS. 4. NOPECTIONS: COMPLY WITH THE LOCAL BUILDING CODE AND OTHER REQUIREMENTS FOR INSPECTIONS (BY THE COUNTY, CITY, ARCHITECT OR ENGINEER) OF SPECIFIED COMPONENTS OF THE ROOF STRUCTURE REQUIRING NOPECTIONS. PLYWOOD ROOF DIAPHRAGM: . CONNECT PLYWOOD DIAPHRAGM TO STRUCTURE WITH 1004 GALY. AILS, SPACED AT 6" O.C. MAX. AT SUPPORTED EDGES AND AT 6" O.C. AL HE INTERMEDIATE SUPPORTS. PLYWOOD ROOF DECKING SHALL BE 19/32" MINIMUM THICKNESS, CDX TYPE ND SHALL BE CONTINUOUS OVER TWO OR MORE SPANS, WITH FACE GRAIN ERPENDICULAR TO THE SUPPORTS. ABLE ENDS NAIL SPACING SHALL BE 4" ON CENTERS MAXIMUM ROOF DIAPHRAGM SHALL COMPLY WITH THE DESIGN RECOMMENDATIONS "A.P.A. DESIGN/CONSTRUCTION GUIDE - DIAPHRAGMS" AND THE LOCAL LDING CODE.

1. ALL COLD FORMED METAL FRAMING SHALL BE DOMESTIC A.S.TM. A 653 (Fy = 33 K.S.I.) STEEL, AND DESIGNED IN ACCORDANCE WITH THE LATEST S.S.M. SPECIFACATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF COLD FORMED METAL FRAMING AND THE S.S.M.A. CODE OF STANDARD PRACTICE. COLD FORMED METAL FRAMING: (SHOP DRAWINGS REQUIRED) 2. ALL CFMF COMPONENTS SHALL BE MANUFACTURED AS PER ASTM C 355 AND BE GALYANIZED WITH A MINIMUM G-60 COATING PER ASTM C 355.

ALL PRODUCTS SHALL BE FREE OF RUST, DENTS, BENDS & TWISTS AND STORED On A FLAT PLANE PRIOR TO INCLUSION IN THE WORK. 3. ALL WELDING TO BE IN ACCORDANCE WITH A.W.S. LATEST, EI.3 & DI.3 ISTRUCTURAL WELDING CODE - STEEL". CLEAN AND RUSTPROOF ALL FIELD WELDS WITH ZINK RICH RUSTPROOFING PAINT. BOTTOM TRACK SHALL BE SECURED TO THE CHOR BOLTS AS PER THE FOUNDATION PLAN, TENED AT EA. FULL STUD W/.171" X 11/2" PAF, SELESS WASHER.

B. ALL CONNECTIONS TO BE ARCHITECT

ON STEEL

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

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RESIDENTIAL DESIGN for: PATEL MRS. P \$ COLUMBIA COUNTY, FLORIDA

STRUCTURAL NOTES

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NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Rd. Lake City, FL 32055 386-365-4355

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3. TRUSS DESIGNER ENGINEER SHALL INDICATE THE NET WIND
UPLIFT REACTIONS FOR EACH TRUSS AND GIRDER TRUSS. EACH TRUSS SHALL
BE STRAPPED TO THE SUPPORT WITH A HURRICANE STRAP (AS PER DETAIL ON
PLAN). THE SIZE OF STRAP AND AMOUNT OF NAILS SHALL BE SELECTED BASED
ON THE UPLIFT DATA OF THE STRAP AND THE TRUSS SHOP DRAWINGS.

ALL SEATS FOR THE WOOD GIRDER TRUSSES HAVE BEEN SPECIFIED THE A/E IN COORDINATION WITH LOCATION AND LOADING SECTION OF TRUSS SHOP AWINGS.

2. TRUSSES SHALL BE DESIGNED, SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER, WHO SHALL BE ASSIGNED AS A DELEGATED ENGINEER FOR THE CONTRACTOR. THE DELEGATED ENGINEER DESIGN AND INDICATE ON THE SHOP DRAWINGS ALL TRUSS COMPONENTS, TEMPORARY BRACING, BRIDGING, HARDWARE, METAL HANGERS, ANCHORS AND METAL SHAPES AS REQUIRED BY DESIGN OR AS INDICATED ON THE PLAND METAL PARTS TO BE GALVANIZED.

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				These drau	wings, as instru	uments of ser	vice, are th	ne sole property of t	the architect, an	d may not be use	d, copied or rep	roduced in whole or in	part for use on or in	ncorporated with	hin any other job i	without specific and individual	authorization by th	e architect.						
																								TIMED "40-BUILT" NOTMO
			12. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GWB ON IX3 WOOD FURRING AT 16" O.C., ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS © 6" O.C. ALONG EACH POINT OF BEARING.	11. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GAR-AGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION.	IØ. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COM- PLIANCE WITH "UL Design U333", BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.	ONCRETE OR MASONE	8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL	1. ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH 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.	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.	5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.	4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VAR- IOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.	AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURE-POSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.	2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WAR- RANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORK- MANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.		 	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 STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM SPECIFICATION ON THE PLANS.	DO NOT SCALE OFF THESE PLANS AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.	CONSTRUCTION DOCUMENTS THE CUSTOMER 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 FABRACATION OF ANY MATERIALS.	BUILDING CODE: 2014 FLORIDA BUILDING CODE - LATEST ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST LIFE SAFETY: NFPA-101 - LATEST	LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 40PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.	SOIL DESIGN STATEMENT: FOOTING DESIGN IS BASED UPON 1000PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS IS: CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL REQUIRE FOUNDATION MODIFACATIONS.	ALUES/LOADS & SPEED: 130 MPH, UN	TOTROJECT INFORMATION / NOTES:	
													F ANY 1		13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART- MENT BY *LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONS- INTER GEBYLOGE" FBC 186.17	; 5 462 W 4	8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4 9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5	DACKTILL IS COTTIFIED. FDC IOIGN. 6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC ISI6.12 1. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC ISI6.1.3	COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.16 5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND	3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4 4. TO PROYIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL	AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6 2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4	70 DH D 14 HE D 14 HE D 14 HE D 16 HE		

BUILDING COMPONENTS & CLADDING LOADS THEAN BUILDING HEIGHT = 300, EXPOSURE "B" ROOF ANGLE TO 2T"

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		= 1° TO 21°	ROOF	LL	WA
ZONE		222	ωωω	444	ששש
AREA	₩ % Ø	500	10 20 50	50 TO	0 0 <u>0</u>
IIØ MPH	12.0 / -19.9 11.4 / -19.4 10.0 / -18.6	12.5 / -34.7 11.4 / -31.9 10.0 / -28.2	12.5 / -51.3 11.4 /-47.9 10.0 / -43.5	21.8 / -23.6 20.8 / -22.6 19.5 / -21.3	21.8 / -29.1 20.8 / -27.2 19.5 / -24.6
Yult 120 MPH	14.9 / -23.7 13.6 / -23.0 11.9 / -22.2	14.9 / -41.3 13.6 / -38.0 11.9 / -33.6	14.9 / -61.0 13.6 / -57.1 11.9 / -51.8	25.9 / -34.7 24.7 / -26.9 23.2 / -25.4	25.9 / -34.7 24.7 / -32.4 23.2 / -29.3
Yult 130 MPH	17.5 / -27.8 16.00 / -27.00 13.9 / -26.00	17.5 / -48.4 16.00 / -44.6 13.9 / -39.4	17.5 / -71.6 16.00 / -67.00 13.9 / -60.8	30.4 / -33.0 29.0 / -31.6 27.2 / -29.8	30.4 /-40.7 29.0 / -38.0 27.2 / -34.3
Yult 140 MPH	20.3 / -32.3 18.5 / -31.4 16.1 / -30.2	2 <i>0.3</i> / -5 <i>6.2</i> 18.5 / -51.7 16.1 / -45.7	20.3 / -83.1 18.5 / -717.7 16.1 / -70.5	35.3 / -38.2 33.7 / -36.7 31.6 / -34.6	35.3 / -47.2 33.7 / -44.0 31.6 / -39.8

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	BLDG HEIGHT	JR BUILDII
	"B" EXPOSURE	XPOSURE ADJUNG COMPONEN
121 129 135	"C"	HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS
4. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	"D"" PNSOCIXE	=ICIENTS

STRUCTURAL DESIGN CRITERIA:	30	25	20	ড
:SIGN CRITERIA:	1.00	100	100	00.
	1.40	135	1.29	1.21
	1.66	<u>@</u>	155	1,41

I. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

BASED ON ANSI/ASCE 7-16. WIND LOAD CRITERIA: RISK CATAGORY: 2 2020 FBC 1609-A WIND

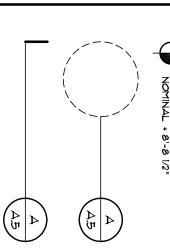
ROOF DESIGN LOADS: |PERIMPOSED DEAD LOADS: . :...... 20 PSF 20 PSF

4. FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS:
SUPERIMPOSED LIVE LOADS:
RESIDENTIAL
BALCONIES 40 PSF . 25 PSF

WIND NET UPLIFT: ARE AS INDICATED ON TRUSS SHO DRAWINGS

SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE DRAWINGS: ELEVATIONS, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS +/- 0'-0" TOP OF SUB-FLOOR

FOLLOWING



TYPE OF SECTION MARK USED TO INDICATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW IC: SECTION "A" FOUND ON "D.6a" OF THE PROJECT MANUAL TYPE OF DETAIL MARK USED TO INDICATE A SECTION ie: SECTION "A" ON SHEET "A.5", TAIL INDICATES DIRECTION OF VIEW TOP OF 19th LOG COURSE NOMINAL + 8'-8 1/2" TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT.

TYPE OF ELEVATION MARK USED TO INDICATE THE TOP OF A LOG WALL STACK - NOMINAL ONLY.

TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW

NAILS, BOLTS AND OTHER METAL CONNECTORS WHICH ARE USED IN LOCATIONS EXPOSED TO THE WEATHER SHALL BE GALVANIZED OR OTHERWISE CORROSION RESISTANT.

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IN GENERAL, NAILS SHALL PENETRATE THE SECOND MEMBER A DISTANCE EQUAL TO THE THICKNESS OF THE MEMBER BEING NAILED THERETO, OR GREATER.

THERE SHALL BE NOT LESS THAN 2 NAILS PER CONNECTION.

GLUING SHALL NOT BE CONSIDERED AN ACCEPTABLE CONNECTOR IN LIEU OF THOSE SPECIFIED HEREIN. FORMED METAL CONNECTORS, AS PER THE SCHEDULE HEREIN, SHALL HAVE THE NUMBER OF NAILS INSTALLED AS REQUIRED BY THE MANUFACTURER, OR AS DIRECTED BY THE PLANS.

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NAILS PROJECTING BEYOND THE LAST WOOD MEMBER SHALL BECLINCHED, WHEREVER POSSIBLE.

NOTES IN THE "PLANS" PACKAGE OF THE CONSTRUCTION DOCUMENTS SUPERSEDE SIZES & SPACINGS OF NAILS CONTAINED HEREIN.

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			₽ ±	2	
OSB SHEATHING, 7/16" THICK	3/4" PLYWOOD SUBFLOORING	BUILT-UP GIRDERS & BEAMS	END NAILED STUD TO SOLE PLATE, TOE NAILED DOUBLE STUDS, FACE NAILED DOUBLE TOP PLATES, FACE NAILED TOP PLATES - LAPS & INTERSECTIONS FACE NAILED FACE NAILED	2" SUBFLOOR TO JOIST, BLIND & FACE NAILING SOLE PLATE TO JOIST OR BLOCKING FACE NAILED TOP OR SOLE PLATE TO STUD	NUMBER OF NAILS FOR CONNECTING WOOD MEMBERS: CONNECTION COMMON NA
80 17.5 	& Q 70 	20 0 0 0	0 000 0 0000	0 0 0 0	D MEMBERS: COMMON NAILS
INTERMEDIATE 6" O.C. & EDGES 10" O.C. & INTERMEDIATE	STAGGERED - 2 & EA END CES OC. & EDGES OC. & EDGES	2 30" O.C. 32" O.C. & BOTTOM	2	0 0 0	Nr. / SPACING

	GENERAL NAILING SCHEDULE:			
	NUMBER OF NAILS FOR CONNECTING WOOD MEMBERS:	OD MEMBERS:	7- / AB VOICE	
-	BRIDGING TO JOIST, TOE NAIL	<u>o</u>	2 EA, END	
	2" SUBFLOOK TO JOIST,	<u>7</u>	J	
	SOLE PLATE TO JOIST OR BLOCKING			
	FACE NAILED	<u>o</u>	 0 <u>@</u> 	
	TOP OR SOLE PLATE TO STUD			
_	END NAILED	<u>16</u> 0	2	
<u>,</u> →	STUD TO SOLE PLATE, TOE NAILED	<u>o</u>	3 OR 2 16d	
Ť	DOUBLE STUDS FACE NAILED	<u>o</u>	24" O.C.	

\	<u>v</u>	
MBER OF NAILS FOR CONNECTING WOO	ENERAL NAILING SCHEDULE:	
OD MEMBERS: COMMON NAILS		
Nr. / SPACING		
		E

		5BCCI NER-443, NER-393
		: - - -

NOTE: "SEMCO" PRODUCT APPROVAL: MIAMI/DADE COUNTY REPORT #35-0818.15 NOTE: "SIMPSON" PRODUCT APPROVALS: MIAMI/DADE COUNTY REPORT #91-0101.05, NOTE: ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE: ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O. NOTE: REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.

CAP.
535*
1785*
1310*
1310*
1100*
2200*
315*/240*

APPLICATION
TRUSS TO WALL:
GIRDER TRUSS TO POST/HEADER:
HEADER TO KING STUD(S):
PLATE TO FOUNDATION:
PORCH BEAM TO POST:
PORCH POST TO FND.:
MISC. JOINTS MANUFIR/MODEL
SIMPSON H25a
SIMPSON LGT, W/ 28 - 16
SIMPSON ST22
5/8"+ THRU-BOLT
SIMPSON PC44/EPC44
SIMPSON ABU44
SIMPSON A34

16d NAILS

DRAWN:

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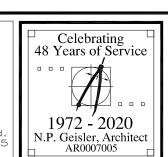
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NICHOLAS
PAUL
GEISLER

ARCHITECT
N.C.A.R.B. Certified

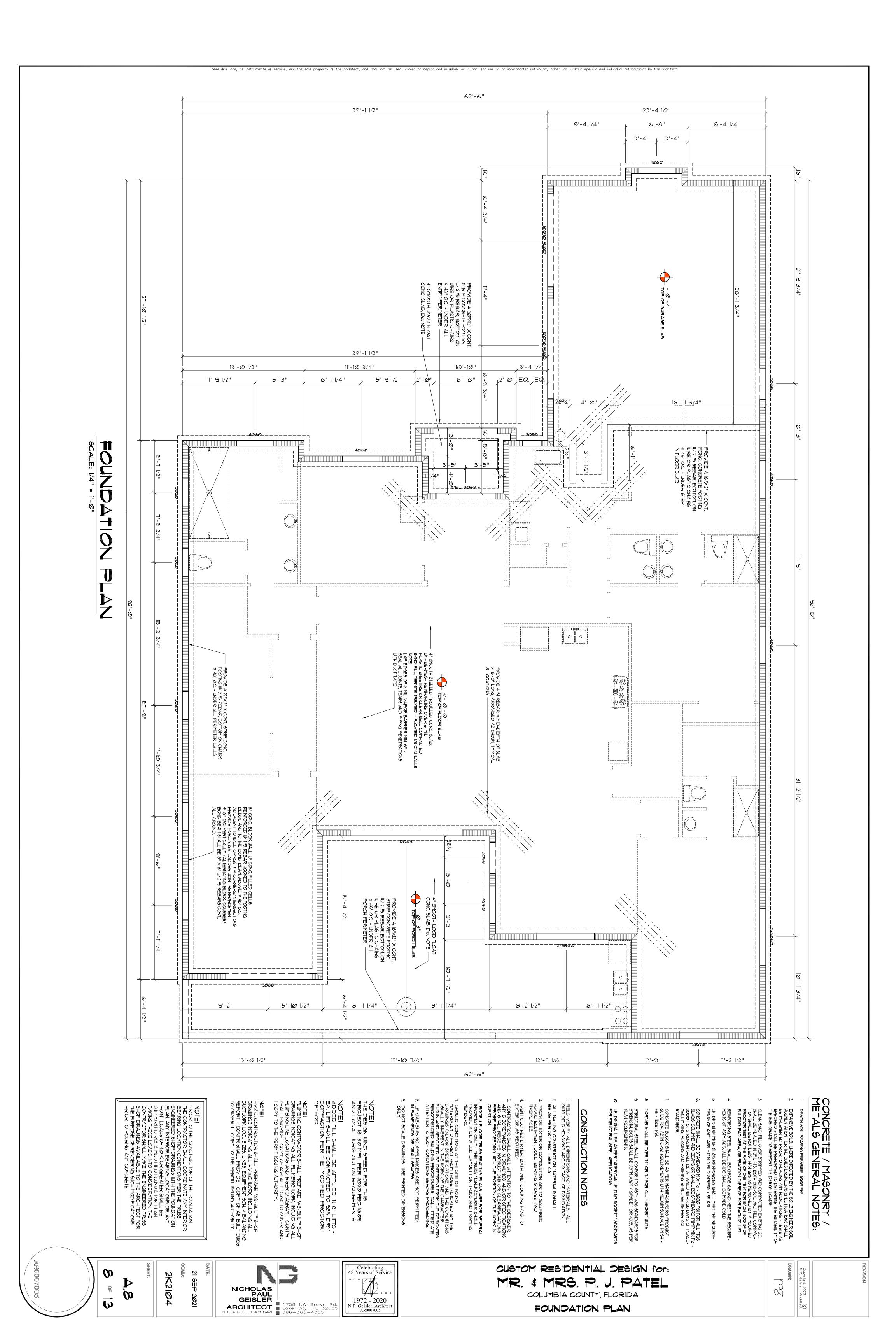
NICHOLAS
PAUL
Lake City, FL 32055
N.C.A.R.B. Certified
N.C.A.R.B. Certified

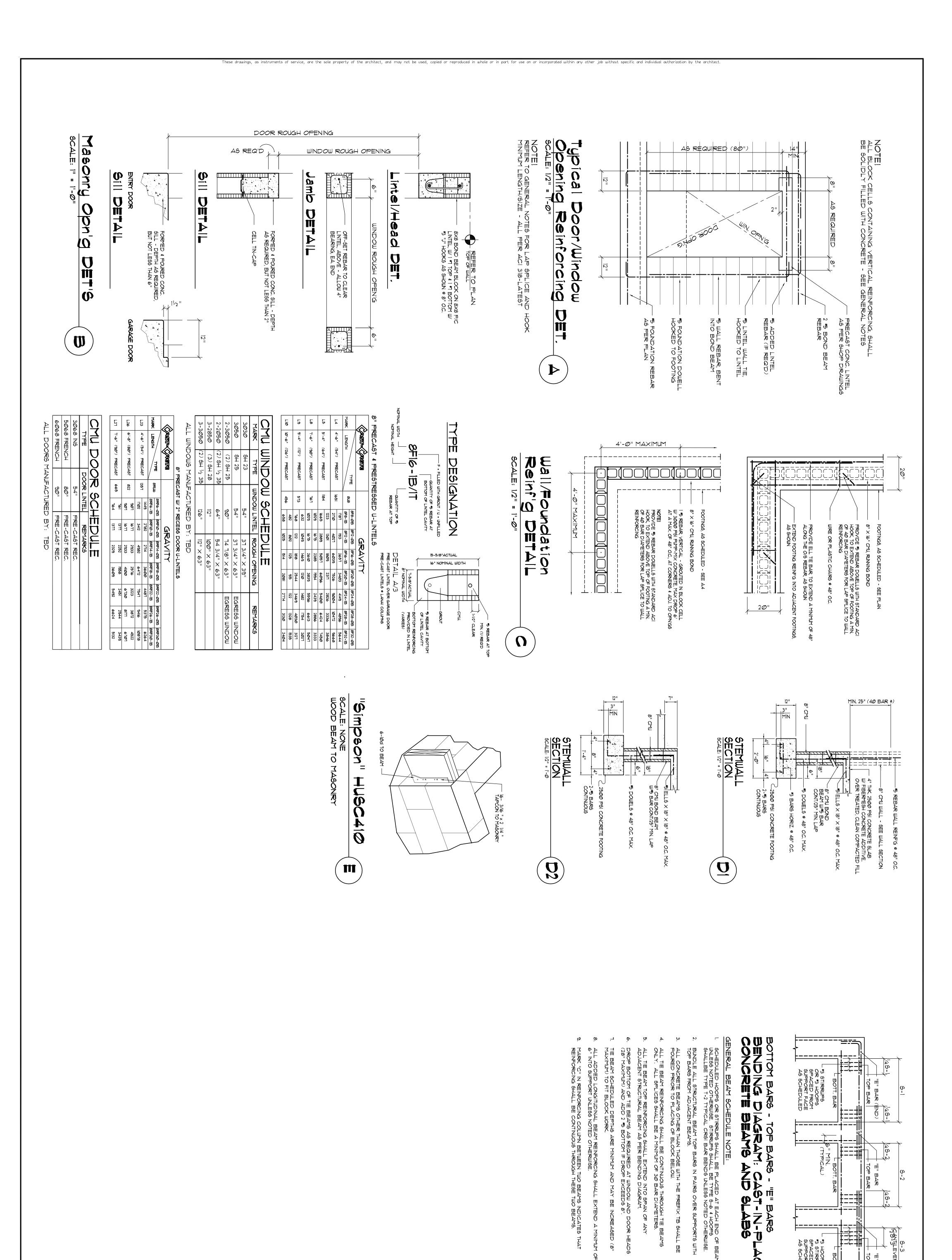


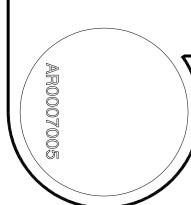
MR. & MRS. P. J. PATEL COLUMBIA COUNTY, FLORIDA

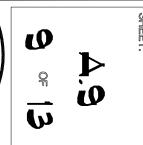
CUSTOM RESIDENTIAL DESIGN for:

STRUCTURAL INFORMATION



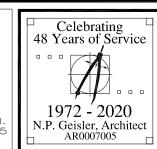


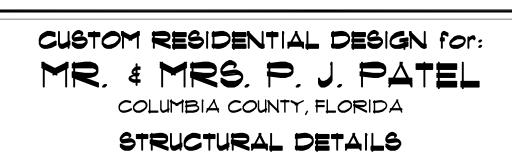












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*3 HOOPS OR
*3 STIRRUPS
SPACED FROM
SUPPORT FACE
AS SCHEDULED

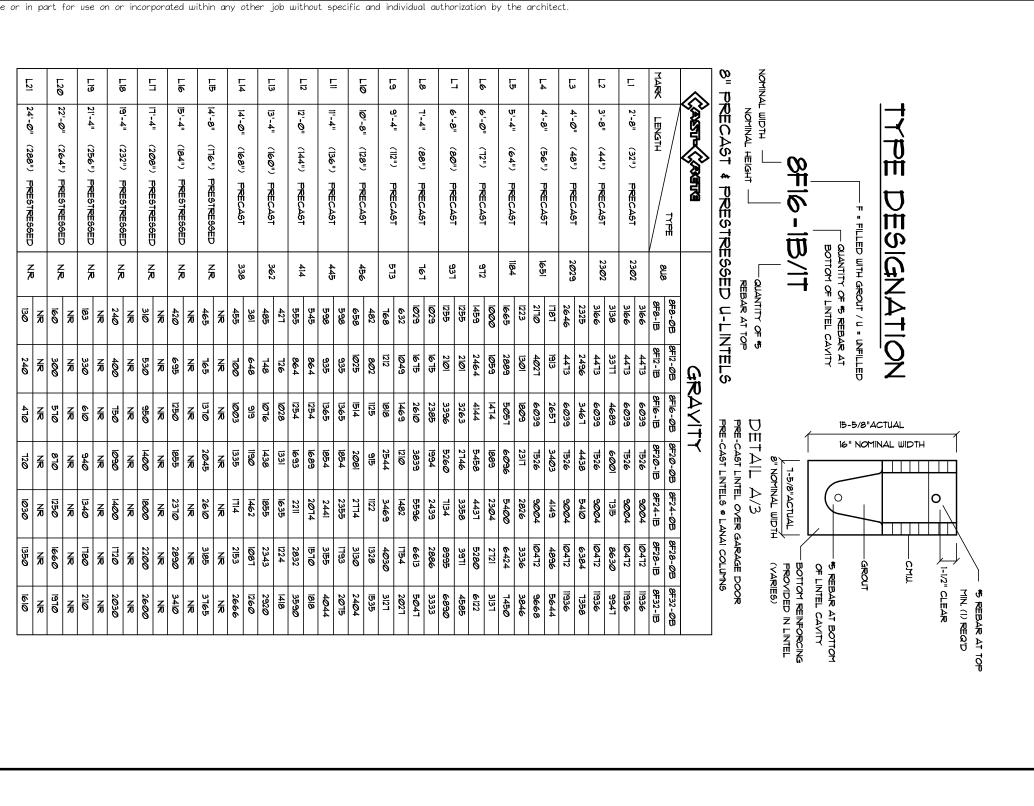
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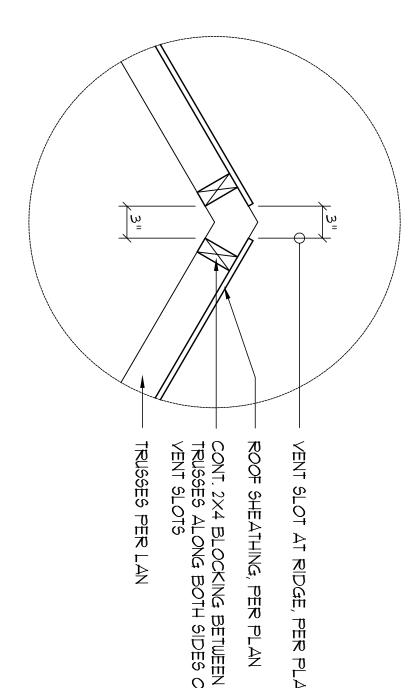
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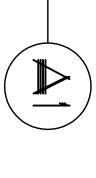
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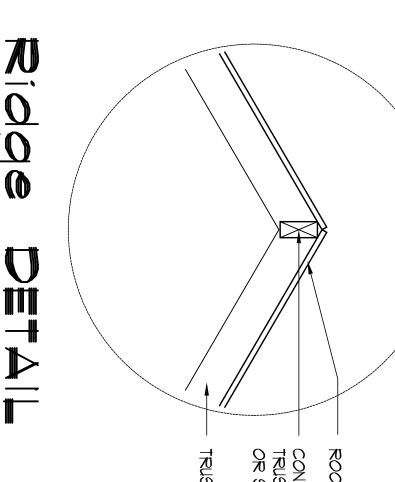


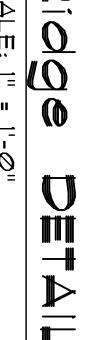


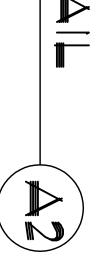


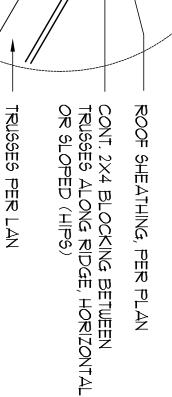
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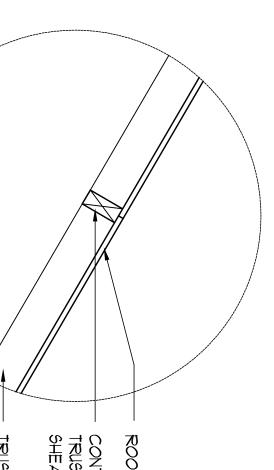










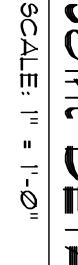


CONT. 2X4 BLOCKING BETWEEN TRUSSES ALONG JOINTS IN SHEATHING, OR "H" CLIPS TRUSSES PER LAN ROOF SHEATHING, PER PLAN



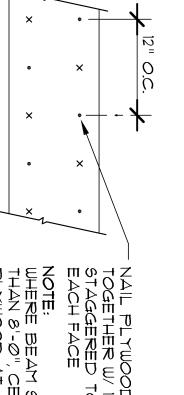








SCALE:



NOTE:

WHERE BEAM SPAN IS GREATER
THAN 8'-0", CENTER 8'-0" LONG
PLYWOOD AT CENTER OF BEAM
SPAN BUTT ADJACENT PLYWOOD
PIECES TIGHT TO CENTER PIECE.
STAGGER JOINTS AT BEAMS WITH
MORE THAN ONE PLYWOOD PLATE. 2 0 T LITCH BEAM NAILS AND BOTTOM,

SHOP DWG COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS.

THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

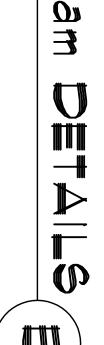
THIS PROJECT REQUIRES ENGINEERED TRUSS ROOF FRAMING AND/OR ENGINEERED TRUSS FLOOR FRAMING. BECAUSE OF THIS, PRIOR TO COMMENSEMENT OF CONSTRUCTION, THE OWNER/BUILDER SHALL PROVIDE THE ARCHITECT OF RECORD WITH THE SIGNED AND SEALED TRUSS SHOP DRAWINGS FOR THE AOR'S REVIEW AND COMMENT. THE SUBMISSION SHALL CONSIST OF 3 PAPER COPIES OF THE SIGNED AND SEALED TRUSS SHOP DRAWING, AN ELECTRONIC DXF OR DWG (ACAD VERSION 14 OR LOWER) OF THE PLACEMENT PLAN(S) AND A POSTAGE PAID RETURN MAILER.

TRUSS SHOT

DINAMING

REQUIREMENTS

ATTENTION



TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING. ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

FAILURE OF THE OWNER/BUILDER TO PROVIDE THE REQUIRED TRUSS SHOP DRAWING PACKAGE TO THE AOR SHALL RESULT IN THE FULL ASSUMPTION OF RESPONSIBILITY BY THE OWNER/BUILDER FOR ALL MATTERS INVOLVING THE TRUSS FRAMING, INCLUDING, BUT NOT LIMITED TO, THE TRUSS PACKAGE SUITABILITY FOR INCLUSION IN THE PROJECT, PROFILES, BEARING REQUIREMENTS, UPLIFT RESTRAINTS OR ANY OTHER ASPECT OF THE INSTALLATION AND HOW SUCH MAY AFFECT ANY OTHER PORTION OF THE PROJECT, THE STRUCTURAL STABILITY OR THE CONTINUED SUITABILITY OF THE TRUSS COMPONENTS FOR THE DURATION OF THE LIFE OF THE STRUCTURE. USE OF TRUSS DOCUMENTS THAT LACK THE AOR'S "SHOP DRAWING REVIEW" STAMP WILL RESULT IN AOR BEING RELEASED FROM ALL LIABILITY INVOLVING ANY TRUSS COMPONET, FOR ANY REASON.

SCALE: NOVIII

GHNHRAL TRUSS NOTHS:

1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND IT'S CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.

IF THE 1st SUBMISSION OF THE TRUSS DOCUMENTS FAILS TO MEET THE REQUIREMENTS OF THE DESIGN CONSTRUCTION DOCUMENTS, ADDITIONAL SUBMISSIONS SHALL BE REQUIRED UNTIL SUCH TIME THAT THE TRUSS DOCUMENTS ARE IN CONCURRENCE WITH THE DESIGN CONSTRUCTION DOCUMENTS. EACH SUBSEQUENT SUBMISSION SHALL INCLUDE A POSTAGE PAID MAILER FOR THE RETURN OF THE DOCUMENTS. SUCCESSFUL SUBMISSIONS SHALL BE STAMPED BY THE AOR AND THE DOCUMENTS SHALL BE MARKED AS "NO EXCEPTIONS TAKEN"

PRECAST
PRECAST

| 1489 | 1357 | 135 | 822 | 823 | 865

| BATE 6. | BATE

L23

CAST W/2" RECESS DOOR U-LINTELS

TRUSS SH DRAWINGS SHALL BE SIGNED ♣ SEALED BY THE DESIGNING ENGINEER.

REQUIRMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED OF TRUSSES OR GIRDERS. THE CONTRACTOR OF AVAILABLE A COMPLETE SET OF TRUSSES SHOP DRAWINGS TO THE ARCENTROSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTURE. TO THE ANCHOR
D GRAVITY AND WIND
N SHALL MAKE
ARCHITECT FOR THE
LE STRUCTURE, ANY
NSTRUCTION OF THIS

FOLLOWING THE REVIDED TRUSHING THE STAMPED TRUSHING THE REVIDENCE IN THE R

EVIEW AND/OR COMMENTS MADE BY THE AOR, 2 SETS 35 DOCUMENTS SHALL BE RETURNED TO THE OWNER/IN THE CONSTRUCTION OF THE PROJECT.

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H RAFTER TO BEAM:
H BEAM TO POST:
H BEAM TO CMU:
H POST TO FND:: $Q \over 1$ CTU WALL 1/2" A.B. W/ 2" SQ. K & 48" O.C. SIMPSON H2.5a - 2 F 5000 LB UPLIFT SIMPSON HC44/EPC SIMPSON PC44/EPC SIMPSON HUSC410 SIMPSON ABU44 SAW KEN D'D OVER

NOTH:
JOINT REIN NOTE: ALL ANCHORS SHALL BE SECURED I MANUFACTURER FOR MAXIMUM JOINT REINFORCEMENT AND FASTENERS T STRENGTH, U DETAIL Ċ UNLESS NOTED OTHERWISE. ANCHORS/

NOTE: All unlisted joints in the Load Path Shall Simpson A34 framing anchors, typical t.o.

 \Box

HIM DI

AR0007005

DRAWN:

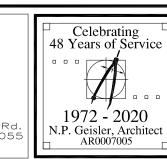
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<u>Ø</u> $\overline{\omega}$

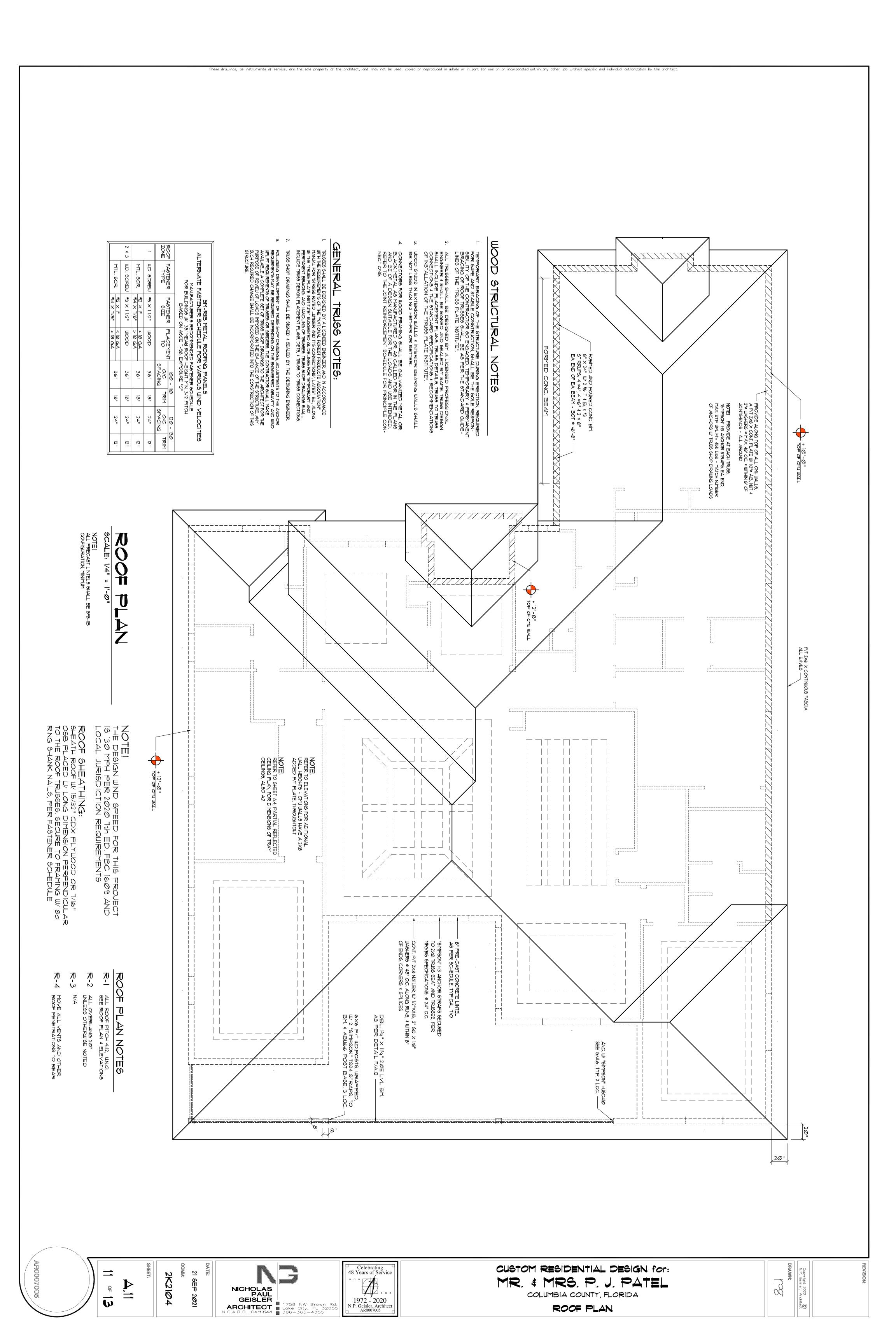
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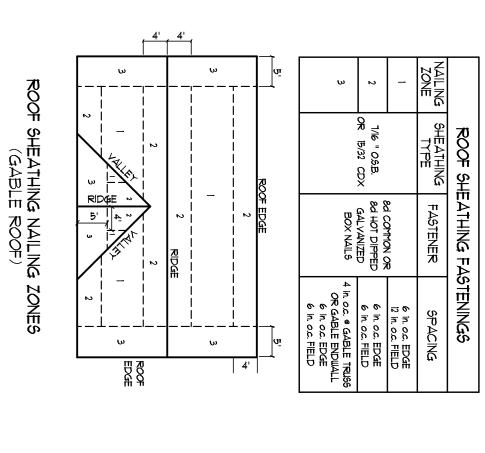
2大2104

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



CUSTOM RESIDENTIAL DESIGN for: MRS. P.J. PATEL MR. & COLUMBIA COUNTY, FLORIDA STRUCTURAL DETAILS





MALL CORNER

WALL INTERSECTION

10g FL

2X4 STUDS 8 6 O.C.

2X4 STUDS 6" OC.

- 2-2XIØ HDR w/ 1/2" PLYWD SPACER

JACK STUD

2X4 PLATE SILL PLATE

GTUD

PLATE

SUB-FLOOR

SCALE: NONE Tattorn Umt

Þ

TYPICAL WINDOW HEADER

REQUIRE DBL. JACK STUDS

2X4 TOP PLATE

			ש	ULD NG	BUILDING WIDTH (FT)	3	
			20	2	28	36	
SUPPORTING:	SIZE	SPAN	# JACKS	SPAN	# JACKS	SPAN #	JACKS
	2-2×4	9 0 0	_	3'-2"	_	2-10=	_
	2-2×6	= 2 2 2	_	<u>4</u> <u>a</u>	_	4'-2"	-
ROOF, CEILING	2-2×8	<u> </u> <u> </u> <u> </u>	_	<u>-</u>	2	5-4-	_
	2-2×10	_ @	2	٦ <u>-</u> 3=	2	e e	2
	2-2×12	9 9 =	2		2	= -@= -j	2
	3-2×8	<u>@</u> -4 =4	_	<u>a</u> -Ā	_	@ 	_
	3-2×10	<u></u> <u></u>	_	<u>9</u>	2	Ø2=	_
	3-2×12	12'-2"	2	<u> </u>	2	8- 8-	2
	4-2×8	9'-2"	_	<u>8</u> -4 =4	_	9'-2"	_
	4-2×1Ø	<u></u>	_		_	a -a	_
	4-2×12	14'-1"	_	12'-2"	s	<u> </u>	-

NON-BEARING WALL

DBL. 2X4 TOP PLATE

2-2XIØ HDR W/
1/2" PLYWOOD
SPACER

2X4 BOTTOM PLATE

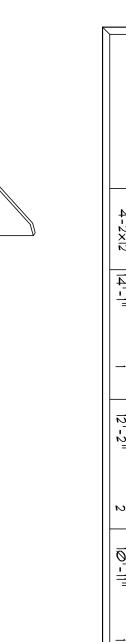
PLATE

- 2-2X4 HDR 町のC木心

- JACK STUD

NOTE: ALL INTERIOR DOC OPENINGS SHOULD BE FRAMED 2" WIDER THAN THEIR SPECIFIED SIZE.

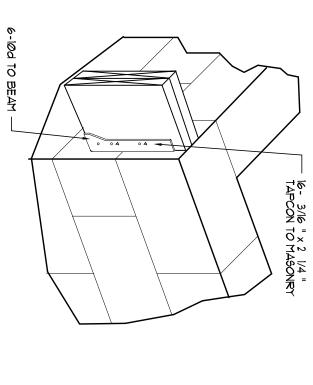
2-2X4 HEADER



Header Diff. SCALE: NONE

0

BEARING WAL



FIREBLOCKING NOTES:

PENETRATIONS

OFFIT/DROPPED CLG.

- 2x SCAB TO REDUCE OPENING

ADD 2x FIREBLOCK CUT BETWEEN STUDS

3)

(2)

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS SPACES AT CEILING AND FLOOR LEVELS.

AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"

AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.

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.

SCALE: NONE
WOOD BEAM TO MASONRY "Oimpoon" HUSC410

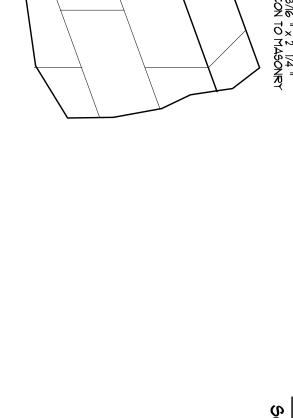
Fire Stopping

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M

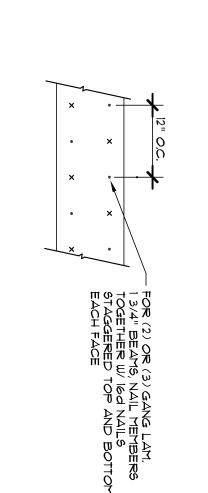
SCALE: NONE





SCALE: 3/4" = |'-0" かったって

(P)



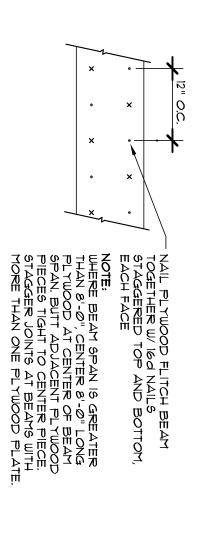
NAIL ® 1" O.C.
5d COOLER NAILS
OR GWB54 FASTENED
DIRECTLY TO BOTTOM
CHORD OF TRUSSES OR
CEILING JOISTS, AND TO
ALL BLOCKING MEMBERS.

2-16d (TYP.)

2X4X8' @ 6'-0" O.C. MIN. BLOCK NAILED TO EACH TRUSS OR CEILING JOIST w/ 2-16d NAILS EACH MEMBER

1/2" MIN. GYPSUM CEILING DIAPHRAGM

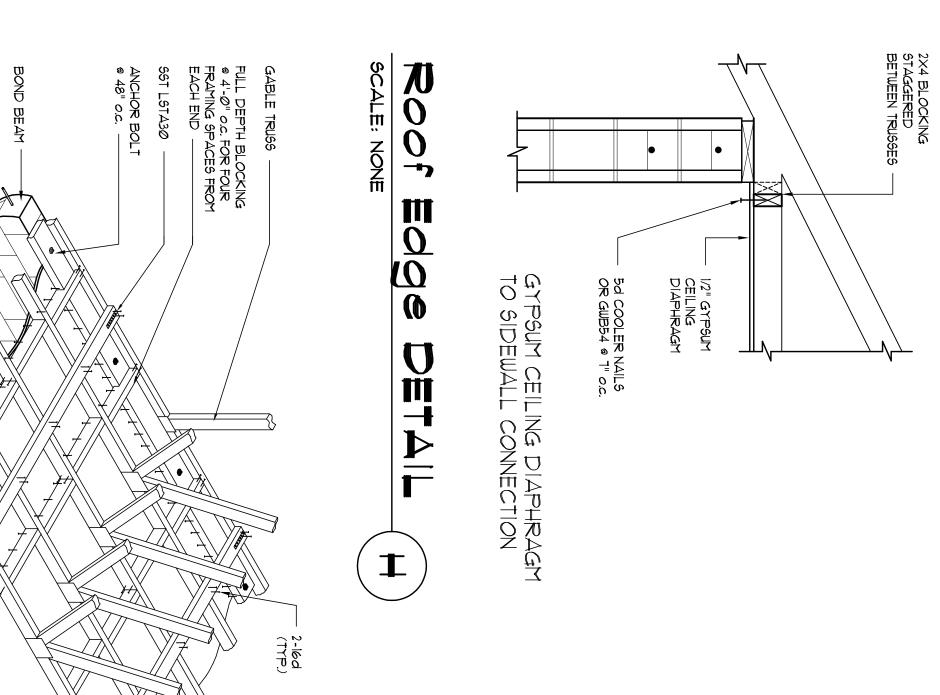
NOT TO SCALE GANG LAM, DETAIL



PLYWOOD FLITCH BEAM DETAIL

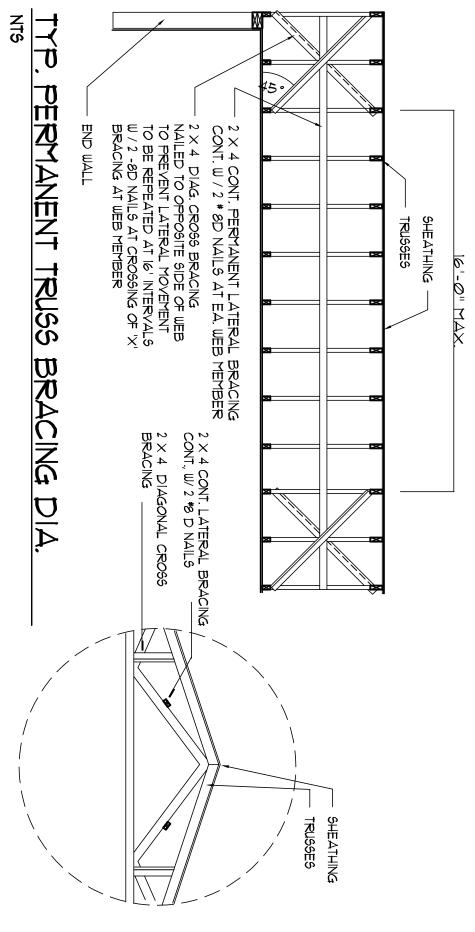
W SCALE: NONE 3 0 0 0 ロコマーの





DIRECT TRUSS : SCALE: NO MI TO MASONRY CONNECTION

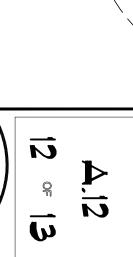
GYPSUM CEILING DIAPHRAGM



Truss $\frac{\partial}{\partial x}$ <u>2</u> <u>2</u>

NOTE:

TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

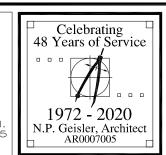


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CUSTOM RESIDENTIAL DESIGN for: MR. & MRS. P. J. PATEL COLUMBIA COUNTY, FLORIDA STRUCTURAL DETAILS

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