



<u>S I T E D A T A</u>	
ZONING	RSF-2
MINIMUM LOT SIZE:	20,000 sf
FRONT/SIDE/REAR SETBACKS:	25'/10'/15'
FLOOD ZONE:	ZONE "X"

[illegible]

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C.O.A. # 005500701



DATE 7/14/22	DRAWN BY W.H.F.
APPROVED W.H.F.	
REVISIONS	
SHEET A-2	
OF 9	
PROJECT NO. 2-R028	

EMERGENCY EGRESS:
EVERY BEDROOM SHALL HAVE NOT LESS THAN ONE OUTSIDE WINDOW FOR EMERGENCY RESCUE THAT COMPLIES WITH THE FOLLOWING:
1. SUCH WINDOWS SHALL BE OBTAINABLE FROM THE INSIDE WITHOUT THE USE OF TOOLS AND SHALL PROVIDE A CLEAR OPENING OF NOT LESS THAN 20 INCHES IN WIDTH, 24 INCHES IN HEIGHT, AND 5.7 SQFT IN AREA.
2. THE BOTTOM OF THE OPENING SHALL BE NOT MORE THAN 44 INCHES ABOVE THE FLOOR, AND ANY LATCHING DEVICE SHALL BE CAPABLE OF BEING OPERATED FROM NOT MORE THAN 54 INCHES ABOVE THE FINISHED FLOOR.
3. THE CLEAR OPENING SHALL ALLOW A RECTANGULAR SOLID, WITH A WIDTH AND HEIGHT THAT PROVIDES NOT LESS THAN THE REQUIRED 5.7 SQFT OPENING AND A DEPTH NOT LESS THAN 20 INCHES, TO PASS FULLY THROUGH THE OPENING.
4. SUCH WINDOWS SHALL BE ACCESSIBLE BY THE FIRE DEPARTMENT AND SHALL OPEN INTO AN AREA HAVING ACCESS TO A PUBLIC WAY.

NOTE:
THE MINIMUM NATURAL VENTILATION AREA REQUIRED FOR GARAGES SHALL BE 4 PERCENT OF THE FLOOR AREA BEING VENTILATED. THE MINIMUM MECHANICAL VENTILATION FOR GARAGES SHALL BE 100 CFM PER CAR.

NOTE:
DUCTS THAT EXHAUST CLOTHES DRYERS SHALL NOT PENETRATE OR BE LOCATED WITHIN ANY FIREBLOCKING OR FIRE RATED WALL OR CEILING ASSEMBLY.

NOTE:
CONDENSATE WASTE AND DRAIN LINE SIZE SHALL BE NOT LESS THAN 3/4" INTERNAL DIAMETER AND SHALL NOT DECREASE IN SIZE FROM THE DRAIN PAN CONNECTION TO THE PLACE OF CONDENSATE DISPOSAL.

DUCT PENETRATION:
ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage sheet steel or other approved material and shall have no openings into the garage.

OPENING PROTECTION:
openings from a private garage directly into a room used for sleeping purposes shall not be permitted. other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8" in thickness, solid or honeycomb steel doors not less than 1 3/8" thick, or a 20-minute fire rated door.

SEPARATION REQUIRED:
the garage shall be separated from the residence and its attic area by not less than 1/2" gypsum board applied to the garage side. garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8" Type X gypsum board or equivalent, where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 1/2" gypsum board or equivalent.

CONSTRUCTION DOCUMENTS:

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITY FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR REVIEWING THE PLANS AND VERIFYING ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION INCLUDING FABRICATION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION.

DO NOT SCALE THESE PLANS:

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATION OF THOSE ITEMS NOT DIMENSIONED.

CHANGES TO PLAN SETS:

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT/ENGINEER. 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 SPECIFICATIONS ON THE PLANS.

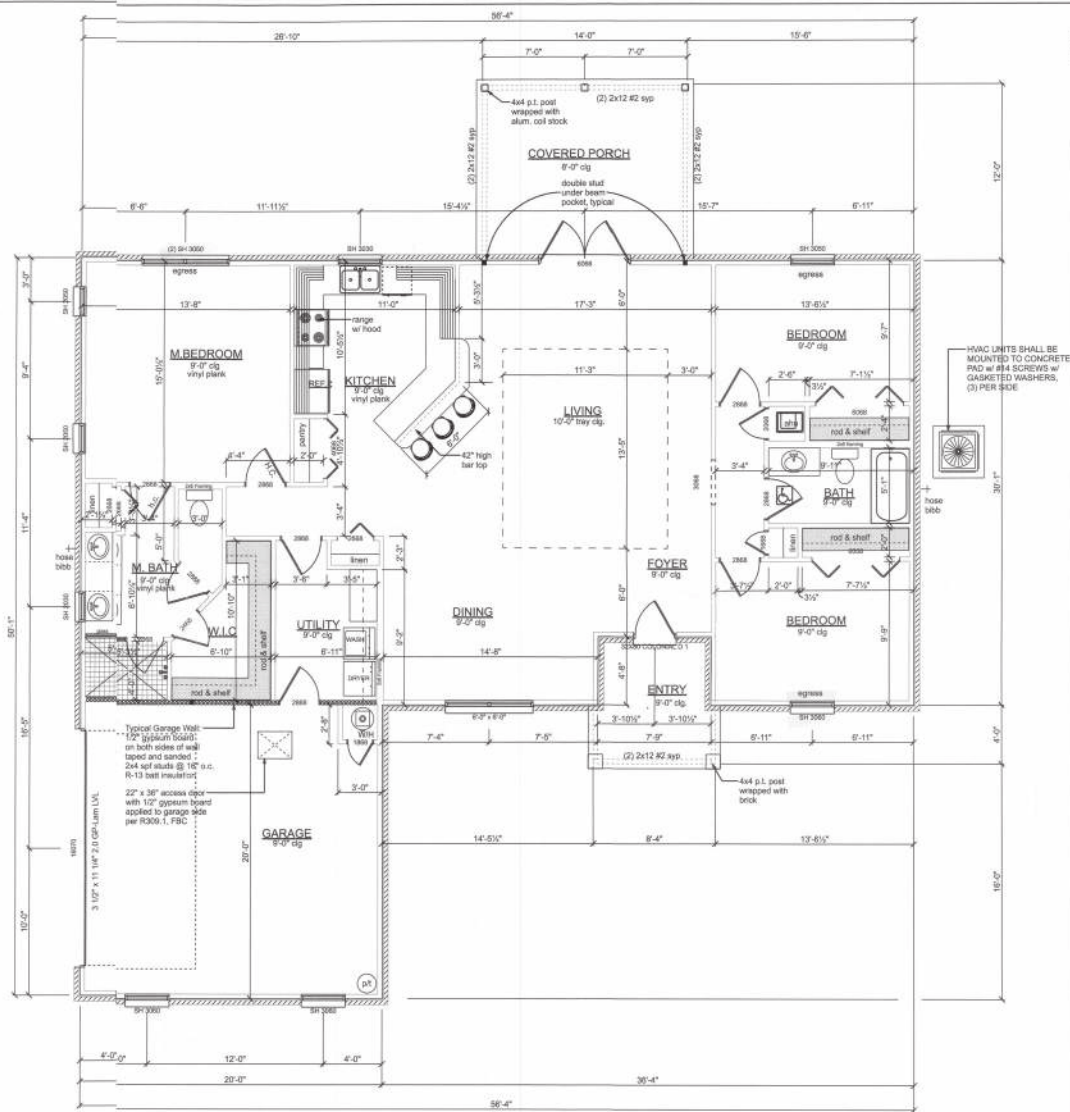
NOTE:
EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND BEAR AN ANMA OR NOMA OR OTHER APPROVED LABEL, IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT EVALUATION ENTRY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION:
ANSI AAMA/NWMA 101/S2 297

THE CONSTRUCTION SHALL BE TESTED IN ACCORDANCE WITH ASTM E 330, STANDARD TEST METHODS FOR STRUCTURAL PERFORMANCE OF EXTERIOR WINDOWS, CURTAIN WALLS, AND DOORS BY UNIFORM STATIC AIR PRESSURE.

OPENING SCHEDULE			
PRODUCT CODE	SIZE	HINGE COUNT	
2668 BF-MODIFIED	2668	L 1	
1868B-MODIFIED	1868	L 1	
2068B-MODIFIED	2068	R 1	
2468B-MODIFIED	2468	R 1	
2868B-MODIFIED	2868	L 1	
32X80 COLONIAL D 1	2868	R 1	
72X80 FRENCH A 2	6068	LR 1	
192X84 - 4 PANEL	16070	U 1	
30X80 BIFOLD COLONIAL 1	2668	R 1	
48X80 BIFOLD COLONIAL 2	4068	LR 1	
72X80 BIFOLD COLONIAL 2	6068	LR 2	
18X80 COLONIAL A 1	1668	L 1	
32X80 COLONIAL A 1	2868	L 3	
32X80 COLONIAL A 1	2868	R 4	
30X80 GLASS	2668	L 1	
SH 3030	2'-11 1/4" x 2'-11 1/4"	N 1	
(2) SH 3050	6'-0" x 5'-0"	NN 1	
SH 2030	2'-0" x 3'-0"	N 1	
SH 2050	2'-0" x 5'-0"	N 2	
SH 3050	3'-0" x 5'-0"	N 1	
(2) SH 3060	6'-0" x 6'-0"	NN 1	
SH 3060	3'-0" x 6'-0"	N 3	

AREA SUMMARY

LIVING	1,660 SF
GARAGE	400 SF
PORCHES	240 SF
TOTAL	2,300 SF



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



LOT 29 CROSSWINDS SUBDIVISION

FLOOR PLAN

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DRAWN BY: W.H.P.
APPROVED: W.H.P.

DATE: 7/1/22

REVISIONS:

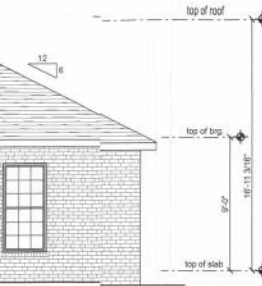
SHEET: A-3

OF: 9

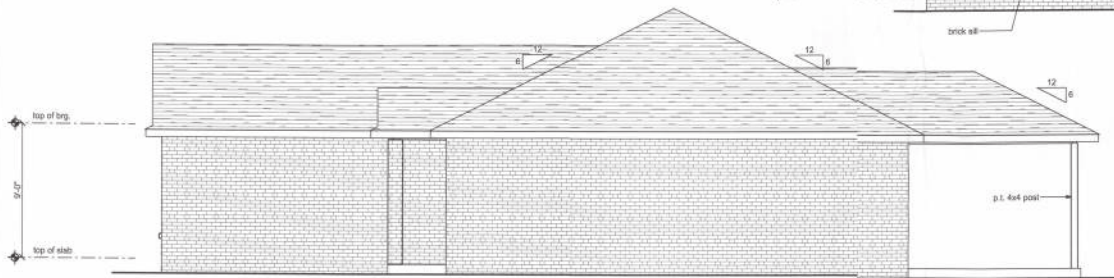
PROJECT NO.: 22-0028



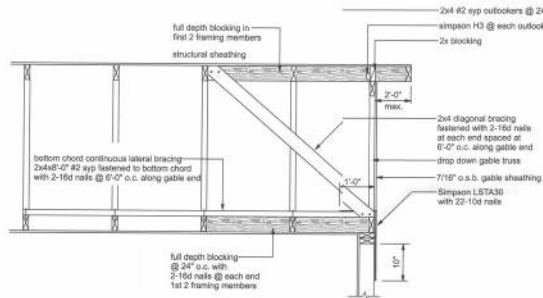
FRONT ELEVATION
SCALE: 1/4" = 1'-0"



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



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

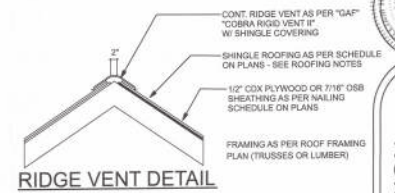


END WALL BRACING FOR CEILING DIAPHRAGM

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

VENTILATION REQUIREMENTS

Total Attic Square Footage	Recommended Length of Cobra Rigid Vent II (Feet)	Minimum Intake Ventilation (Net Free Area in Sq. In.)
1600	21	384
1900	25	456
2200	29	528
2500	33	600
2800	41	744
3100	41	820
3400	45	816



RIDGE VENT DETAIL



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

LOT 29 CROSSWINDS SUBDIVISION

ELEVATIONS

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COASTAL ENGINEERING
INC.

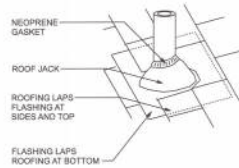
DATE: 7/14/2
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APPROVED: W.H.F.

REVISIONS:

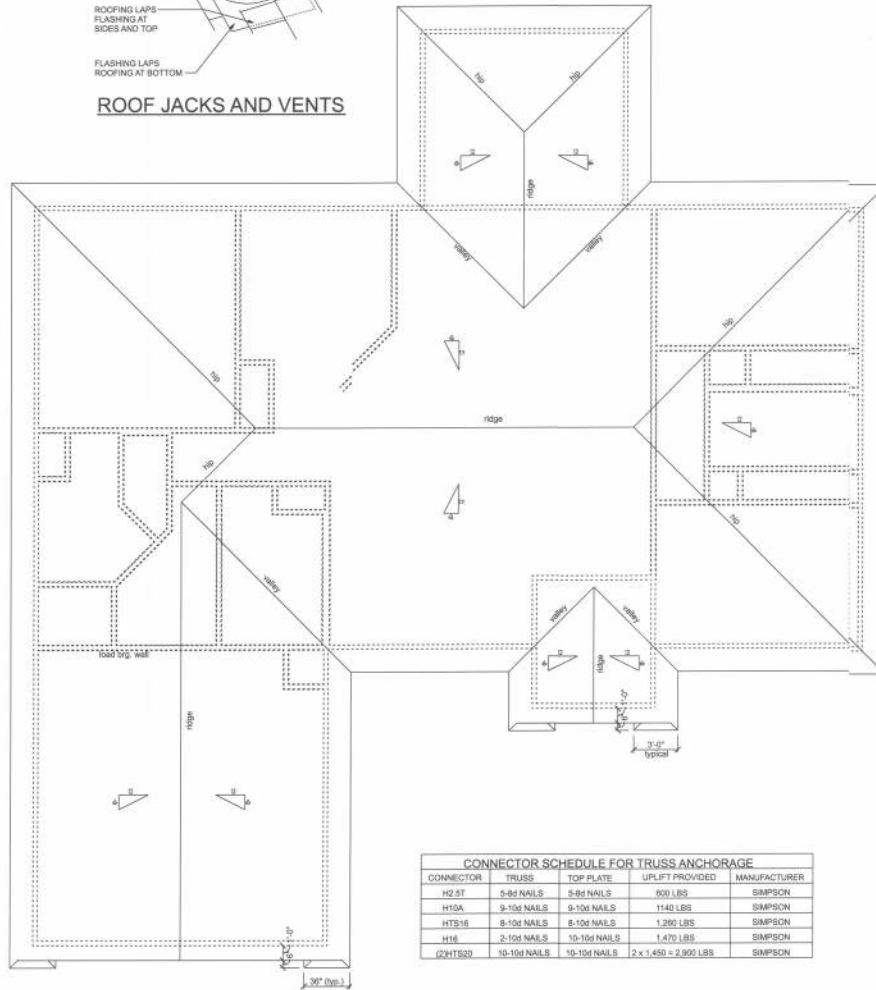
SHEET: A-4

OF: 9

PROJECT NO.: 22-1028



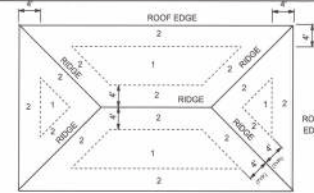
ROOF JACKS AND VENTS



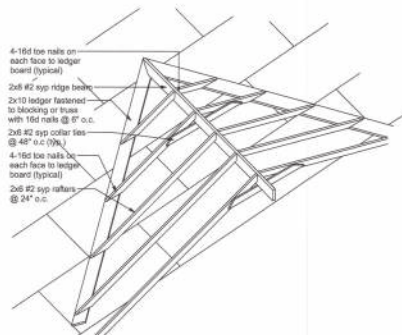
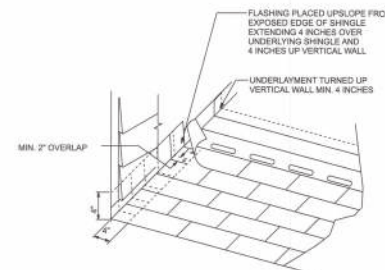
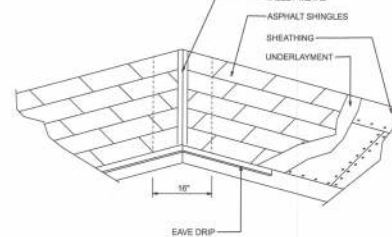
CONNECTOR SCHEDULE FOR TRUSS ANCHORAGE				
CONNECTOR	TRUSS	TOP PLATE	UPLIFT PROVIDED	MANUFACTURER
H2-ST	5-8d NAILS	5-8d NAILS	600 LBS	SIMPSON
H10A	9-10d NAILS	9-10d NAILS	1140 LBS	SIMPSON
HTS-16	8-10d NAILS	8-10d NAILS	1,260 LBS	SIMPSON
H16	2-10d NAILS	10-10d NAILS	1,470 LBS	SIMPSON
(ZHTS2)	10-10d NAILS	10-10d NAILS	2 x 1,450 = 2,900 LBS	SIMPSON

ROOF PLAN

SC.E: 1/4"=1'-0"



ROOF SHEATHING NAILING ZONES (HIP ROOF)



ROOF INTERSECTION DETAIL

NTS

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16 o.s.b.	3d ring shank galvanized	6 in. o.c. EDGE
2			6 in. o.c. FIELD
3			6 in. o.c. FIELD

DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DOUBLE UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM WITH ASTM D 226, TYPE 1, OR ASTM D 488, TYPE 1.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:
SELF-ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY WITH ASTM D 1970.

ASPHALT SHINGLES:
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS. MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE ROOF SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT:
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND DIRECTION OF 110 MPH OR GREATER, SPECIAL METHOD OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-96.

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 16 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH.

VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:

1. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16 INCHES WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN TABLE 1007.3.5.2.
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 16 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
 1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.
 2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
 3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (LBS)
COPPER			1
ALUMINUM	0.024	28	
STAINLESS STEEL			
GALVANIZED STEEL	0.0179	26 (26 zinc coated 260)	
ZINC ALLOY			2 1/2
LEAD			29
PAINTED TERNE	0.027		



LOT 29 CROSSWINDS SUBDIVISION

ROOF PLAN

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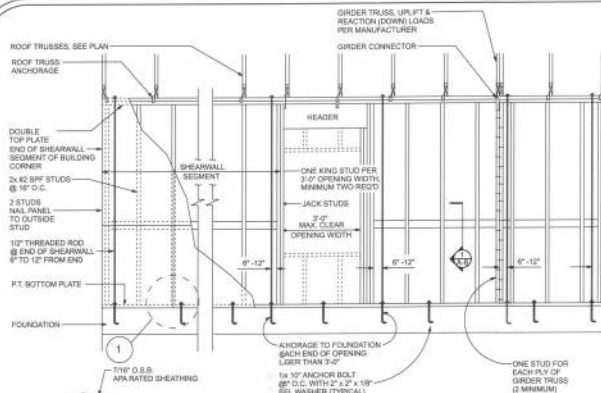


DATE: 7/14/21
DRAWN BY: W.H.F.
APPROVED: W.H.F.

REVISIONS

SHEET: A-6
OF: 9

PROJECT NO.: 22.R028



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

1 DOUBLE NAIL EDGE SPACING TOP AND BOTTOM PLATE
(TABLE 30551 SOSTD-08)

- NOTES:**
1. One all-thread rod at each corner.
 2. One all-thread rod at each end of shearwalls.
 3. One all-thread rod at each end of opening headers greater than 3'-0".
 4. Check all-sheathing to top plate connection for horizontal transfer capability.
 5. If necessary, add all-thread rods to girders individually to include the from average lift off.
 6. Check side plate to side connection, additional anchors may be required for lateral shear load transfer.

Connection Type	Allowable Value
Foundation / S.Y.P. Top Plate	3840 lbs.
Foundation / Splice-Prime Top Plate	3840 lbs.
Lime or Bond Beam / S.Y.P. Top Plate	3840 lbs.
Lime or Bond Beam / Splice-Prime Top Plate	3840 lbs.

Placement at slab level:

Corners:
When presetting the all-thread rod at a building corner, the rod should be placed 8 to 12 inches away from the corner so it does not fall under the corner framing members. When a all-thread rod is specified at a building corner, it may be placed on either side of the corner.

Header ends:
When presetting the all-thread rod at a header end, the rod should be placed 8 to 12 inches away from the header end so it does not fall under the stud pack framing members.

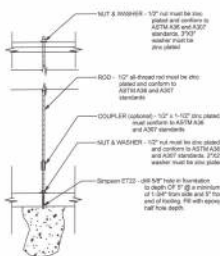
Top Connections:
Top connections made at corners and header ends shall be made within 2 inches of the framing pack. A nut and washer shall be applied to the top plates and tightened securely.

Intermediate Coupler Connections:
When using the full coupler, care should be taken to ensure full and proper friction engagement. This is easily achieved by threading the coupler all the way onto the rod, then sliding the top rods and to end, then threading the coupler back over the rod point so each rod is halfway into the coupler.

Rebar fits:
In the case of an all-thread rod replacement, the rod may be spliced into the concrete.

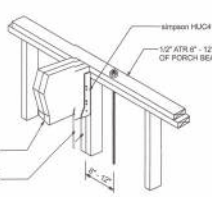
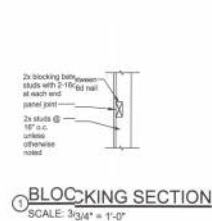
Side plate to side connection:
The side level side plate shall be connected to the side with the connectors specified and at the spacing specified within the design documents. All-thread rods shall be placed as per the design specifications. All-thread rods with a nut and washer at the side plate will qualify as a side plate connection but may require other anchors intermediate of the all-thread rod locations to qualify the specified spacing requirements.

System Tightening:
On multiple story applications, the all-thread rod system shall be checked for proper tension just before the walls are veneered. This will allow the all-thread rod system to compensate for the buildings dead load compression.



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

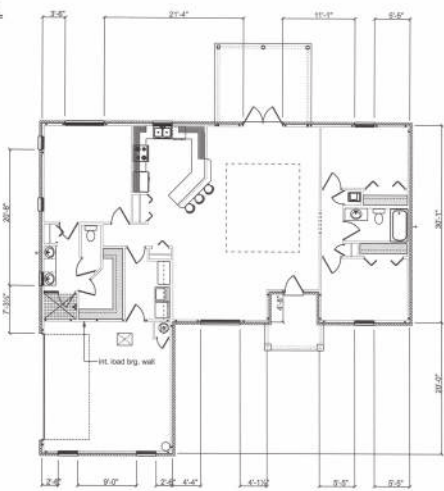
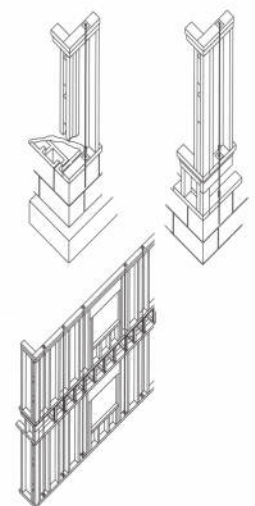
OPENING CONNECTION REQUIREMENTS				
CL. CLEAR OPENING WIDTH	HEADER SIZE (2) OR BETTER	END BEARING	CONNECTOR AT EACH END OF OPENING	ANCHORAGE TO FOUNDATION @ EACH END OF OPENING
0' - 3'	(2) 2x8	1.5"	N/A	N/A
3' - 6'	(2) 2x10	3"	1/2" ALL-THREAD ROD	1/2" ALL-THREAD ROD
6' - 8'	(2) 2x12	3"	1/2" ALL-THREAD ROD	1/2" ALL-THREAD ROD
8' - 12'	(2) 1.5x4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL-THREAD ROD	1/2" ALL-THREAD ROD
12' - 15'	(2) 1.5x4" x 11 1/4" LVL - 2.0E	3"	1/2" ALL-THREAD ROD	1/2" ALL-THREAD ROD
15' - 18'	(2) 1.5x4" x 11 1/4" LVL - 2.0E	4.5"	1/2" ALL-THREAD ROD	1/2" ALL-THREAD ROD



INTERIOR BRG. WALL DETAIL

ALL THREAD @ PORCH BEAM
NTS

NOTE:
A SOLID MEMBER OF EQUAL OR GREATER SIZE THAN MULTIPLE MEMBERS MAY BE USED. IF RATED SHEATHING IS APPLIED TO NARROW EDGES, NAILS TO EACH STUD AT 12" O.C. MAXIMUM. THE LAMINATION NAILING SHOWN HERE IS NOT REQUIRED.



SHEARWALL LAYOUT
SCALE: 1/8" = 1'-0"

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LOT 29 CROSSWINDS SUBDIVISION

SHEARWALL DETAILS

DATE: 1/14/22

DESIGNED BY: WELP

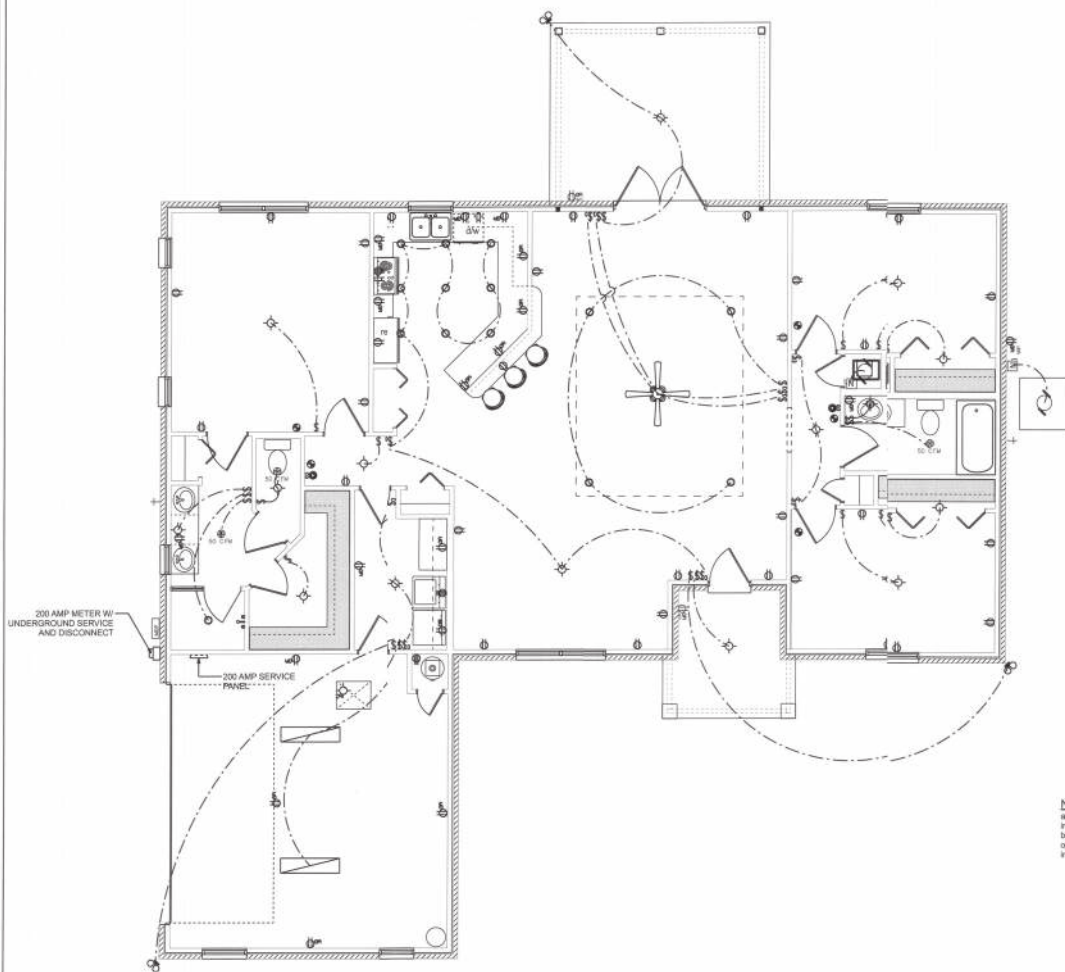
APPROVED BY: WELP

REVISIONS:

SHEET: A-8

OF: 9

PROJECT NO: 22-0338



ELECTRICAL LEGEND	
ELECTRICAL	SYMBOL
ceiling fan spotlights 01	
pot light	
double spotlight	
fluorescent fixture	
HVAC motor	
electrical panel	
motor	
non fused disconnect	
ELEC METER	
WP GFI	
co detector	
fan 50 CFM	
light	
outlet	
outlet 220v	
outlet gfi	
pull chain light	
smoke detector	
switch	
switch 3 way	
weatherproof gfi	
main distribution panel	

NOTE:

all 120 volt, single phase, 15 and 20 ampere branch circuits supplying outlets installed in dwelling unit family rooms, kitchens, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunroom, recreation rooms, closets, hallways, laundry areas, or similar rooms or areas shall be protected by a listed arc-fault circuit interrupter, combination type, installed to provide protection of the branch circuits.

1. Service/Feeder Entrance Conductors: 2 1/2" rigid conduit, min 18" deep, w. continuous ground bonding conductor; Service Entrance Conductors shall not be spliced except the bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.
2. Existing Meter Enclosures, weatherproof, U.L. Listed.
3. Main Disconnect Switch: fused or Main Breaker, weatherproof, U.L. Listed.
4. Service entrance ground: 5/8" diameter iron/steel rod x 8'-0" long and/or concrete encased foundation steel near x 20'-0" long. Grounding conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per item #5 below.
5. 200 Ampere Feeder: 3-25-THHN-Cu, 1-42-Cu-GND, 2 1/2" Conduit.
6. House Panel (PNL), U.L. Listed, sized per schedule.
7. Equipment Disconnect Switch: non-fused, in weather proof enclosure, size according to Panel Schedule load.
8. Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

ELECTRICAL PLAN NOTES

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.

CONSULT THE OWNER FOR THE NUMBER OF SEPARATE TELEPHONE LINES TO BE INSTALLED.

INSTALLATION SHALL BE PER NATL. ELECTRIC CODE.

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS.

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT NO., DESCRIPTION & BRKR. SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZE/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

WIRING NOTES:

WIRING, DISTRIBUTION EQUIPMENT AND DEVICES

A. CONDUCTORS: Copper, in accordance with ASTM Standards, size reference AWG. Conductors No. 10 and smaller size solid, No. 8 and Larger, Stranded. Insulation of conductor thermoplastic, type THHN (min. size No. 12) any wire installed outside, underground, in slots or exposed to moisture shall have THWN insulation.

B. RACEWAYS: RIGID STEEL CONDUIT: full weight pipe galvanized, threaded, and minimum 1/2" inch except as noted or required for wiring. ELECTRICAL METALLIC TUBING (EMT), thin wall pipe, galvanized, threaded, compression fittings, and min 1/2" size except as noted or required for wiring. FLEXIBLE STEEL CONDUIT: continuous single strip, galvanized, and minimum 1/2" size except as noted or required for wiring. PVC CONDUIT: heavy duty type, size as indicated. Separates raceways shall be used for each voltage system.

C. DISCONNECT SWITCHES: General Duty, horsepower rated for motor loads 250 volt rating, listed or non-listed as noted; number of poles as indicated. Enclosure NEMA 1 for indoor use and NEMA 3R for weatherproof applications. Switch to be Square "D" or equal.

D. CIRCUIT BREAKERS: molded case, thermal-magnetic, quick make, quick break, bolt-on type with manually operated insulated trip-free handle. Multi-pole types with internal common trip bar. Terminals suitable for copper or aluminum conductors. Interrupting capacity minimum 10,000 RMS symmetrical amperes circuit breakers to be Square "D", Siemens or equal, type as required.

E. PANELBOARDS: Voltage, phasing, and ampere ratings as indicated, circuit breaker type as required. Hinges semi-enclosed, 3 inch wide steel with nonferrous pins, 180 degree openings. Minimum gutter space 6-3/4" sides, top and bottom. Increase size where required by code. Directory holder comply with clear plastic transparent cover indicating typewritten list of feeder cables, conduit sizes, circuit number, outlets of equipment supplied, and their location. Circuit breaker type panels to be Square "D" type NQD or I-Line, or equal. A plastic label shall be located on exterior of panelboard identifying the system voltage, phase, and current rating.

F. WIRING DEVICES: All devices their product of the same manufacturer. Wall switches and receptacles to be 20 amp, 120-volt, unswitched receptacles. Color to be selected by Architect.

G. DEVICE PLATES: provide for all outlets where devices are installed. Provide engraved marking for special outlets (switch outlets). Provide blank plates for empty or future outlet boxes. DEVICE AND DEVICE PLATE COLORS TO BE VERIFIED WITH ARCHITECT AND OWNER.

GROUNDING SYSTEM

A. EQUIPMENT: Ground non-current carrying metal parts of panel board, raceways and all lighting fixtures. All conduit shall have equipment grounding conductors.

INSTALLATION

A. Secure all supports to building structure as specified under raceways. Support horizontal runs of metallic conduit not more than 10 feet apart. Run exposed raceways parallel with or at right angles to walls.

B. Pass raceways over water, steam or other piping when pull boxes are not required; no raceway within 3 inches of steam or hot water pipes, or appliances. expect crossing where the raceway shall be at least 2 inches from pipe or appliance.

C. Cut conduit ends square, ream smooth. Paint make threads of field threaded conduit with Graphite based dry compound. Draw up tight with conduit couplings.

D. Leave wire sufficiently long to permit making final connections. In raceway over 50 feet in which wiring is not installed, furnish pull wire.

E. Verify locations of outlets and switches.

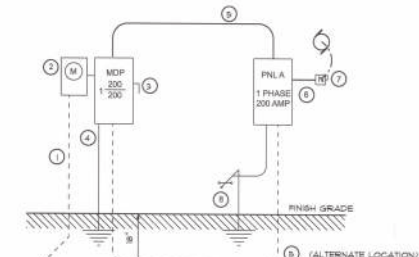
F. Support panel, junction and pull boxes independently to building structure with no weight bearing on conduits.

G. Connect conduit to motor conduit terminal boxes with flexible conduit; minimum 18 inches in length and 50% slack. Do not terminate in or faster raceways to motor foundation.

H. This contractor shall provide a temporary electrical distribution system as required, 120/208 volt, 1 phase, 100 amp, for new construction. All temporary work shall be installed in a neat and safe manner.

I. Contractor to remove and salvage all abandoned electrical equipment.

J. This contractor shall warrant all labor and materials for one year from date of final written acceptance.



ELECTRICAL PLAN

SCALE 1/4"=1'-0"



LOT 29 CROSSWINDS SUBDIVISION
ELECTRICAL PLAN

P.O. BOX 860125
ST. AUGUSTINE, FL 32086
(904) 429-7536
COA. #000001



DATE: 7/14/22
DRAWN BY: W.H.F.
APPROVED: W.H.F.

REVISIONS

SHEET: A-9

OF: 9

PROJECT NO.: 22-0028