

A NEW HOME BY ZERO LATITUDE:
THE HIDEAWAY
SOUTH HARBOR DRIVE - LOT 7
VERO BEACH, INDIAN RIVER COUNTY, FLORIDA
A MERIDIAN HOMES CONSTRUCTION PROJECT



SHEET INDEX		GENERAL NOTES		APPLICABLE CODES	DESIGN PROFESSIONALS		
A1- A2- A3- A4- A5- A6- A7- A8- A9- A10- A11- A12-	COVER SHEET & DATA SITE PLAN PLUMBING/SLAB PLAN DIMENSIONED 1ST FLOOR DIMENSIONED 2ND FLOOR DETAILED 1ST FLOOR DETAILED 2ND FLOOR ROOF PLAN ELEVATIONS SECTIONS ELECTRICAL 1ST FLOOR ELECTRICAL 2ND FLOOR	1. IT IS THE INTENT OF THE DESIGN/ENGINEER THAT THIS WORK BE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE BUILDING AUTHORITIES HAVING JURISDICTION OVER THIS TYPE OF CONSTRUCTION AND OCCUPANCY. ALL CONTRACTORS SHALL DO THEIR WORK IN CONFORMANCE WITH ALL APPLICABLE CODES AND REGULATIONS.	15. ALL WIND LOAD CALCULATIONS AND DESIGN CRITERIA ARE BASED ON A 'ENCLOSED' STRUCTURE. ANY BREACH OR PENETRATION, SUCH AS WINDOWS, DOORS, GARAGE DOORS, ETC., DURING STORM EVENT WILL COMPROMISE STRUCTURAL INTEGRITY.	SINGLE FAMILY RESIDENCE <ul style="list-style-type: none">FLORIDA BUILDING CODE, 7TH EDITION (2020), BUILDING (FBCB) WITH SUPPLEMENTSFLORIDA BUILDING CODE, 7TH EDITION (2020), PLUMBING (FBCP)FLORIDA BUILDING CODE, 7TH EDITION (2020), MECHANICAL (FBCM)NATIONAL ELECTRICAL CODE, 2017 (NEC)ASCE7-16	RESIDENTIAL DESIGNER: ZERO LATITUDE 2110 SOUTH PARK AVE., SANFORD, FL 32771 (239) 682-2210 GENERAL CONTRACTOR: Meridian Homes 1810 Chippewa Trail Maitland, FL 32751 754-4154 TRUSS DESIGN: Truswood Roof & Floor Trusses 3620 Bobbi Lane P.O. Box 5366 Titusville, FL 32783-5366 (321) 383-0366 ENGINEERING: ALBA ENGINEERING P.O. BOX 547774 ORLANDO, FL 32854 (407) 421-4866 DANIEL SOUTER, P.E. FL PE #63901		
S-1 S-2 S-3 S-4 S-5 S-6 S-7	GENERAL STRUCTURAL NOTES STRUCTURAL DETAILS FOUNDATION PLAN INTEL PLAN LOWER TRUSS FRAMING PLAN UPPER TRUSS FRAMING PLAN STRUCTURAL DETAILS	2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND CONDITIONS AT THE JOBSITE PRIOR TO COMMENCING WORK. CONTRACTOR SHALL REPORT ALL DISCREPANCIES IN THE DRAWING AND EXISTING CONDITIONS TO THE DESIGN/ENGINEER PRIOR TO COMMENCING WORK.	16. ALL DOOR AND WINDOW OPENINGS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.				
		3. CONTRACTOR SHALL SUPPLY, LOCATE AND BUILD IN THE WORK ALL INSERTS, ANCHORS, ANGLES, PLATES, OPENINGS, SLEEVES, HANGERS, SLAB DEPRESSIONS, AND FITCHES AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.	17. ALL SHEAR WALLS MUST TRANSFER LOADS TO FLOOR JOISTS OR FOUNDATION.			BUILDING DATA - LOT 7	
		4. THESE DOCUMENTS, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE DESIGN/ENGINEER AND MAY NOT BE USED OR REPRODUCED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN/ENGINEER.	18. DIAPHRAGM SYSTEMS MUST BE ATTACHED TO END WALLS AND/OR SIDE WALLS.			THE HIDEAWAY	
		5. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.	19. TRUSSES MUST BE CAPABLE OF TRANSFERRING LATERAL LOADS TO BEARING WALLS.				
		6. SUBSURFACE SOIL CONDITION INFORMATION IS NOT AVAILABLE. FOUNDATIONS ARE DESIGNED FOR A 2000 PSF SOIL BEARING CAPACITY. CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE DESIGN/ENGINEER PRIOR TO COMMENCING WORK.	20. TRUSSES, GIRDERS AND BEAM TIE DOWNS ARE SIZED PER UPLIFT REQUIREMENTS. ANY QUESTION AS TO SIZE, TYPE OR VALUE OF A NAIL, STRAP OR CLIP SHOULD BE VERIFIED BY STRUCTURAL ENGINEER.	FIRST FLOOR1,770 SF SECOND FLOOR2,028 SF TOTAL AC AREA3,798 SF			
		7. CONTRACTOR WILL INCORPORATE ALL NECESSARY LOCAL STATE/FEDERAL BUILDING, FIRE AND HANDICAP CODES INTO THE DESIGN AND BASE PROPOSAL FOR A COMPLETE TURN-KEY PROJECT.	21. ALL WINDOWS TO COMPLY WITH THE 2020 FLORIDA BUILDING CODE 130 MPH WIND LOAD REQUIREMENT.	GARAGE499 SF ENTRY PORCH83 SF LANAI451 SF FRONT BALCONY49 SF REAR BALCONY351 SF			
		8. PROJECT SHALL BE TURNED OVER TO OWNER IN CLEAN CONDITION WITH ALL TRASH AND DEBRIS REMOVED FROM SITE. ALL WINDOWS AND GLASS CLEAN, ALL FLOORS CLEAN, ALL HORIZONTAL SURFACES DUSTED AND CLEANED, AND ALL TOILET AND PLUMBING FIXTURES CLEAN AND IN GOOD WORKING ORDER.	22. SUBCONTRACTORS SHALL VERIFY ALL APPLICABLE DIMENSIONS AND FIXTURE LOCATIONS.	TOTAL OTHER AREAS1,463 SF			
		9. CONTRACTOR SHALL HHAUL ALL RUBBISH FROM SITE ON A REGULAR BASIS. DO NOT ALLOW TO ACCUMULATE.	23. ALL INTERIOR SLABS TO HAVE STEEL TROWEL FINISH. ALL EXTERIOR SLABS TO HAVE MEDIUM BROW FINISH.	TOTAL CONSTRUCTION5,261 SF			
		10. CONTRACTOR TO OBTAIN ALL PERMITS AND TO PAY ALL FEES AND TAXES.	24. REFER TO TUB/SHOWER MANUFACTURER FOR DRAIN LOCATION, PER OWNERS SELECTION.				
		11. DIMENSIONS INDICATED ON THE DRAWINGS IN REFERENCE TO EXISTING CONDITIONS ARE THE BEST AVAILABLE DATA OBTAINABLE, BUT ARE NOT GUARANTEED. BEFORE PROCEEDING WITH ANY WORK DEPENDENT UPON THE DATA INVOLVED, THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL DIMENSIONS, GRADES, LINES, LEVELS OR OTHER CONDITIONS OF LIMITATIONS AT THE SITE TO AVOID CONSTRUCTION DISCREP. IF ANY WORK IS PERFORMED BY THE CONTRACTOR OR ANY OF HIS SUBCONTRACTORS PRIOR TO ADEQUATE VERIFICATION OF APPLICABLE DATA, ANY RESULTANT EXTRA COST FOR ADJUSTMENT OF WORK AS REQUIRED TO CONFORM TO EXISTING LIMITATIONS, SHALL BE ASSUMED BY THE CONTRACTOR WITHOUT REIMBURSEMENT OR COMPENSATION BY THE OWNER.	25. ALL PLUMBING TO MEET LOCAL PLUMBING CODES.				
		12. A DESIGNATED LOCATION FOR STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT SHALL BE DETERMINED BY OWNER AND IDENTIFIED AT THE PRECONSTRUCTION MEETING.	26. PROVIDE STUB-OUT FOR ICE MAKER AT REFRIGERATOR LOCATION.				
		13. CONTRACTOR PERSONNEL ARE CONFINED TO AREAS OF BUILDING NECESSARY FOR COMPLETING THE WORK. FREE ACCESS TO ALL PARTS OF THE BUILDING IS NOT ALLOWED. ALL CONTRACTOR TOOL BOXES, CONTAINER, ETC., ARE SUBJECT TO OWNERS INSPECTION.	27. REFER TO DOOR & WINDOW SCHEDULE FOR DOOR & WINDOW HEIGHTS.				
		14. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING DELIVERY, RECEIVING, UNLOADING, UNCRATING, STORING, SETTING IN PLACE, AND PROTECTING FROM DAMAGE ALL NEW EQUIPMENT FURNISHED BY THE CONTRACTOR. THIS SHALL ALSO APPLY TO ITEMS FURNISHED TO OWNER BY THE CONTRACTOR.	28. WINDOWS AND EXTERIOR DOORS SHALL COMPLY WITH FBC WIND LOAD REQUIREMENTS. (WINDOWS MUST MEET R-30)				
			29. USE GREENBOARD AT WET WALLS.				
			30. PROVIDE BLOCKING AT 33'-36" AFF IN BATHROOM WALLS ABOVE WATER CLOSET, TUB/SHOWER FAUCETS AND TUB SOAP DISH FOR FUTURE GRAB BARS.				
			31. CONTRACTOR TO PROVIDE SITE ADDRESS PER SECTION R-319 OF 2020 FLORIDA BUILDING CODE RESIDENTIAL.				
			32. FLOOR PLASTER MATERIALS TO MEET THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE RESIDENTIAL.				
			33. PROTECTION OF WOOD DECK TO MEET THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE RESIDENTIAL.				
			34. PROVIDE WINDOW ACCESSIBILITY PER SECTION R-320 OF THE 2020 FLORIDA BUILDING CODE RESIDENTIAL.				
			35. THIS STRUCTURE MEETS THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE RESIDENTIAL.				
			36. TREATMENT TREATING AND PROTECTION TO MEET THE REQUIREMENT OF SECTION V-318 OF THE FBC.				
			37. FINISHED FLOOR TO MINIMUM 12" ABOVE GRADE OF ROAD.				
			38. FINISHED FLOOR TO MINIMUM 8" ABOVE GRADE.				

Revisions		#	Date
CITY COMMENTS		1	6/6/23

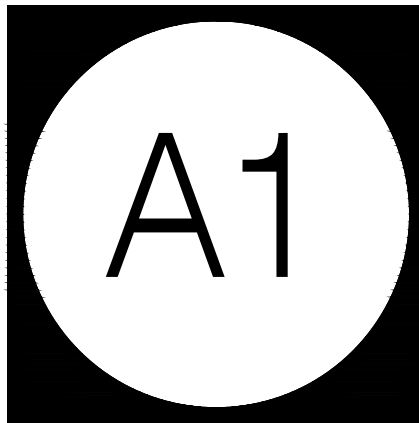
A NEW HOME BY ZERO LATITUDE HOMES
HIDEAWAY SPEC HOME
LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.
MERIDIAN CUSTOM HOMES

albaENGINEERING
CA #40556

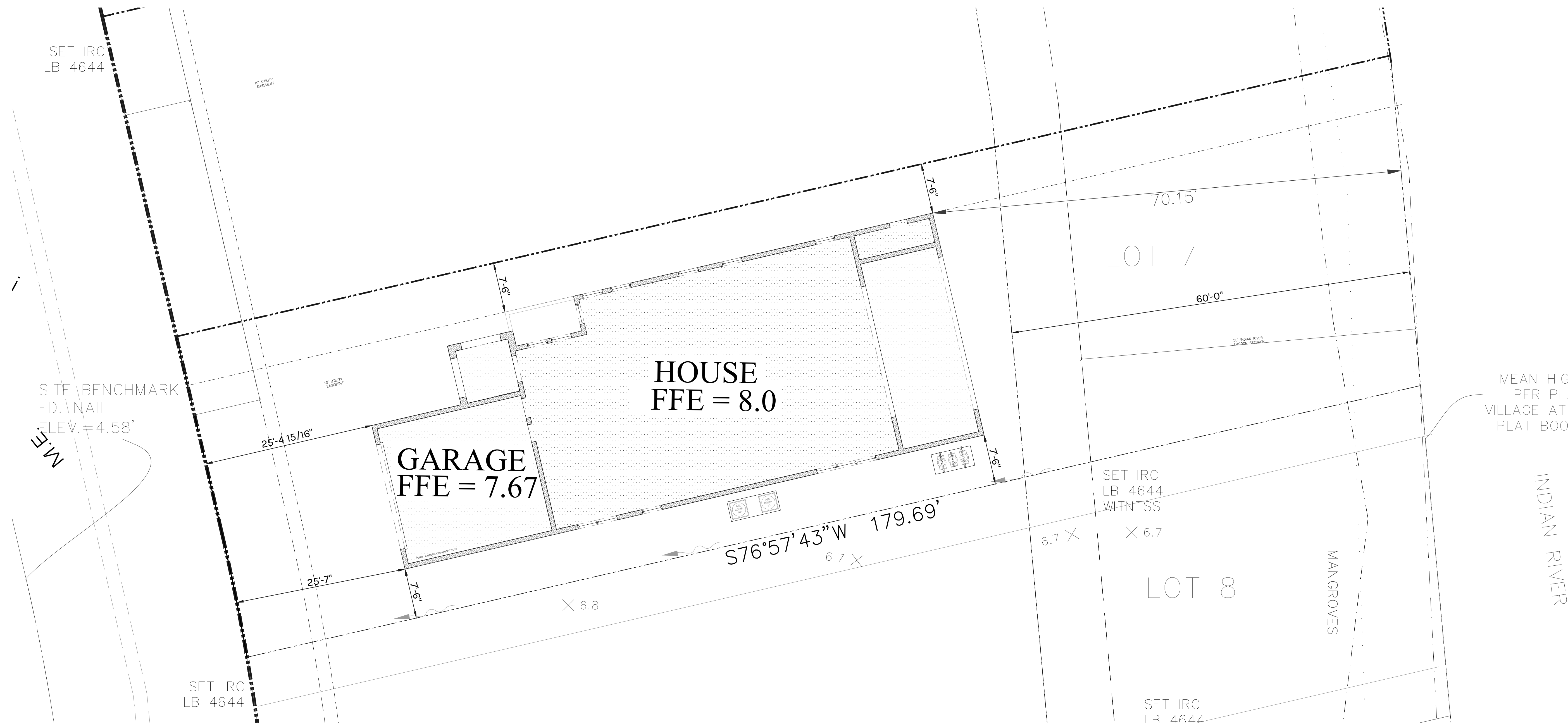
DANIEL SOUTER, P.E.
P.E.# 63901
P.O. BOX 547774
ORLANDO, FL 32854
PHONE: (407) 421-4866



Date	02-10-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES



PERMIT SET
FOR CONSTRUCTION



THIS IS NOT
A SURVEY

THIS IS NOT A SURVEY
SITE PLAN BASED ON
BOUNDARY SURVEY BASED
ON OCCUPATION AND
MONUMENTATION.

Site Plan Notes

This is not a survey. Zero Latitude Inc. assumes no responsibility for its accuracy. The Owner and Contractor are totally responsible for placing the building on the property.

Pool Design and location, if shown, are only suggested.

Landscaping design by others.

Zero Latitude Inc. assumes no responsibility for septic design or location. Septic, if shown, on plan is per builder or owner requirements. Septic systems are to be designed and located per Dept. of Health requirements or as per governing codes.

Site Plan

1/8"=1'-0"

COPYRIGHT NOTICE

THIS PLAN IS THE PROPERTY OF ZERO LATITUDE HOMES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ZERO LATITUDE HOMES, INC. THE INFORMATION CONTAINED HEREIN IS FOR THE EXCLUSIVE USE OF THE CLIENT AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. ANY REUSE OR MISUSE OF THIS INFORMATION IS THE SOLE RESPONSIBILITY OF THE USER. ZERO LATITUDE HOMES, INC. ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THIS PLAN.

Revisions	#	Date
CITY COMMENTS	1	6/6/23

A NEW HOME BY ZERO LATITUDE HOMES
HIDEAWAY SPEC HOME
LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.
MERIDIAN CUSTOM HOMES

alba
ENGINEERING
C.A. #00556

DANIEL SOUTER, P.E.
P.E.# 63901
P.O. BOX 547774
ORLANDO, FL 32854
PHONE: (407) 421-4866

meridian

Date	02-10-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES

ZERO LATITUDE

PERMIT SET
FOR CONSTRUCTION

A2

TERMITE NOTES:

R-318 TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION (SEE SECTION 202, REGISTERED TERMITICIDE). UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTION TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

USE REGISTERED TERMITICIDES OR OTHER APPROVED METHODS.

SOIL TREATMENTS FOR SUBTERRANEAN TERMITES.

PROTECTION TO BE DONE AFTER ALL EXCAVATION, BACKFILLING, AND COMPACTION IS COMPLETE.

DISTURBED SOIL TREATMENT MUST BE RETREATED.

TREATMENT SHALL BE PROTECTED FROM RAINFALL BY 6 MIL VAPOR BARRIER. IF RAINFALL OCCURS BEFORE BARRIER PLACEMENT, SOIL MUST BE RETREATED.

TREATMENT AROUND EXTERIOR OF FOUNDATION SHALL BE DONE AFTER REMOVAL OF CONCRETE OVER POURS OR ACCUMULATED MORTAR.

TREATMENT APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1 FOOT OF PRIMARY STRUCTURE SIDEWALLS. VERTICAL CHEMICAL BARRIER SHALL BE APPLIED PROMPTLY AFTER CONSTRUCTION COMPLETION (INCLUDING LANDSCAPING AND IRRIGATION/SPRINKLER INSTALLATION.)

ALL BUILDINGS SHALL HAVE PRE-CONSTRUCTION TREATMENT PER RULES AND LAWS ESTABLISHED FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.

PROTECTIVE SLEEVES AROUND METALLIC PIPING PENETRATING CONCRETE SLAB-ON-SLAB GRADE FLOORS SHALL NOT BE CELLULOSE-CONTAINING MATERIALS AND RECEIVE AN APPLICATION OF TERMITICIDE IN ANNULAR SPACE BETWEEN SLEEVE AND PIPE.

PLUMBING NOTES

1. REFER TO PLANS FOR SCHEDULES OF EQUIPMENT AND FIXTURES. AMERICAN STANDARD, KOHLER AND CRANE ARE CONSIDERED ACCEPTABLE AS EQUALS.

2. MAINTAIN A MINIMUM CLEARANCE OF 6" BETWEEN PLUMBING PIPING AND EQUIPMENT AND ALL FIRE/SMOKE RATED WALLS.

3. INSTALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. INSTALL UNITS LEVEL AND PLUMB, FIRMLY ANCHORED IN LOCATIONS INDICATED. MAINTAIN MANUFACTURER'S CLEARANCES. SUPPORT ALL EQUIPMENT AS REQUIRED TO PROVIDE A RIGID, VIBRATION FREE INSTALLATION.

4. POTABLE WATER PIPING SHALL BE AS FOLLOWS:
A. BELOW GRADE: TYPE 'K', ANNEALED TYPE TEMPERED COPPER TUBE FOR PIPE SIZES 2 INCHES AND SMALLER. BRAZE ALL JOINTS.
B. ALL OTHER: TYPE 'L' DRAWN COPPER TUBE WITH WROUGHT COPPER FITTINGS AND 95-5 TIN-ANTIMONY SOLDER.

5. PIPING OF DISSIMILAR METALS SHALL BE DI-ELECTRICALLY SEPARATED.

6. FIELD VERIFY EXACT CONNECTION POINTS PRIOR TO SUBMITTING BID AND NOTIFY ENGINEER IF CONDITIONS ARE NOT AS SHOWN ON THE PLANS OR AS STATED IN THE SPECIFICATIONS. CONTRACTOR SHALL VERIFY THE OPERABILITY OF ENTIRE SYSTEM PRIOR TO TIE-IN AS FOLLOWS:
A. SNAKE SANITARY FOR A DISTANCE OF 100 FEET AND REPORT ANY BLOCKAGE.
B. TEST WATER PRESSURE TO INSURE MINIMUM PSI MATCHES MOST DEMANDING EQUIPMENT SUPPLIED.

7. INSULATE ALL HOT AND COLD WATER PIPING WITH 1" THICK (K-0.23 @ 75°F) FIBERGLASS PIPE INSULATION WITH AN ALL SERVICE JACKET TO MEET LOCAL CODES AND UL FLAME SPREAD AND SMOKE DEVELOPED RATING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

8. INSULATE THE TRAP, SANITARY AND SUPPLY PIPES UNDER LAVATORIES WITH TRUEBRO MODEL 102W "HANDI LAV GUARD" INSULATION KIT OR EQUAL.

9. INSTALL ALL NECESSARY PIPE HANGERS, SADDLES, AND CARRIERS TO PROPERLY SUPPORT ALL PIPING AND FIXTURES. HANGERS SHALL SUIT TYPE OF PIPING PROVIDED AND BE SPACED AT A MAXIMUM SPAN OF 5 FEET.

10. STERILIZE WATER SYSTEM IN ACCORDANCE WITH LOCAL CODES.

11. TEST ENTIRE PLUMBING SYSTEM IN ACCORDANCE WITH 2020 FLORIDA PLUMBING CODE.

12. PROVIDE WATER METER AND REMOTE READER PER LOCAL UTILITIES REQUIREMENT, IF APPLICABLE.

13. CONDENSATE DRAIN: PROVIDE POLYVINYL CHLORINE (PVC) SCHEDULE 40 PLASTIC PIPE (TYPE (DWV) IN CONFORMANCE WITH STANDARD ASTM D2665.

14. VALVES: PROVIDE BALL VALVE NIBCO SERIES 585-70 FOR SHUT-OFF

15. PROVIDE ACCESS PANELS WHERE REQUIRED FOR OPERATION, MAINTENANCE AND BALANCING OR PLUMBING EQUIPMENT.

16. PROVIDE WATER HAMMER ARRESTORS AT EACH BRANCH LINE

GAS LINES

1. FURNISH AND INSTALL A COMPLETE GAS PIPING SYSTEM.

2. GAS LINES SHALL BE BLACK STEEL, SCHEDULE 40, ASTM A-53, WITH MALLEABLE THREADED FITTINGS FOR 2" AND SMALLER, AND WITH WELDED JOINTS FOR 2-1/2" AND LARGER.

3. FURNISH AND INSTALL A GAS COCK, DIRT LEG, AND UNION CONNECTION AT EACH PIECE OF EQUIPMENT.

4. PITCH PIPING AT A UNIFORM GRADE OF 1/4" IN 15 FEET UPWARD IN DIRECTION OF FLOW. SUPPORT PIPING EVERY 5 FEET, AS DETAILED ON DRAWINGS, OR BY STANDARD INDUSTRY PRACTICE, WHICHEVER IS MORE STRINGENT.

5. GAS PIPING EXPOSED ON ROOF SHALL BE PAINTED WITH RUST-INHIBITING PAINT.

6. GAS PIPING INSTALLED IN RETURN AIR PLENUMS SHALL BE SLEEVED AND VENTED OR WELDED IN ACCORDANCE WITH THE LOCAL GAS COMPANY, LOCAL CODE AND APPLICABLE NFPA 54 CODES.

7. TESTING AND PURGING OF GAS PIPING SHALL BE DONE PER THE REQUIREMENTS OF THE LOCAL GAS COMPANY, LOCAL CODES AND APPLICABLE NFPA CODES.

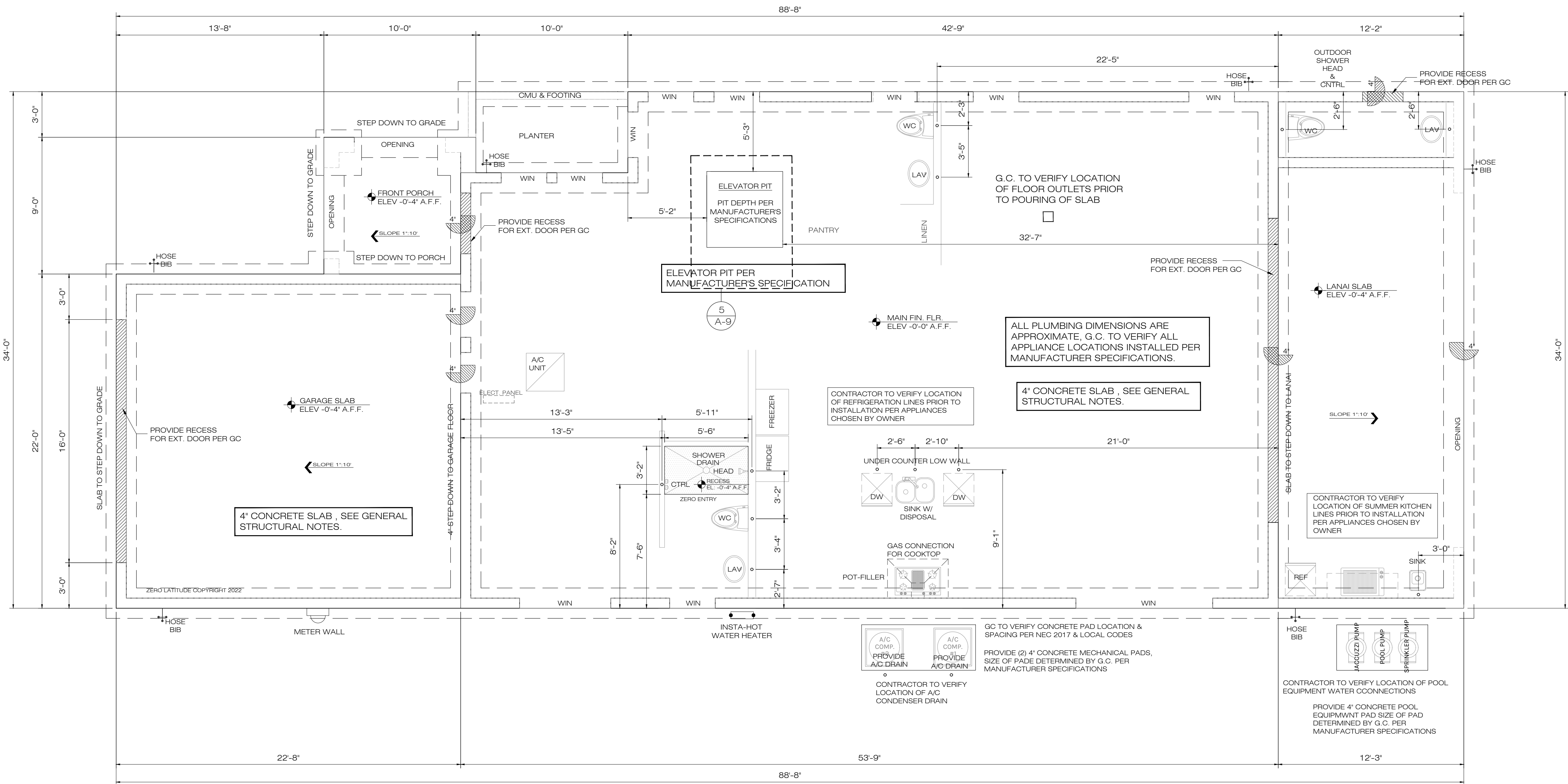
8. CONTACT AND COORDINATE GAS SERVICE, METER AND REGULATOR REQUIREMENTS WITH THE LOCAL GAS COMPANY PRIOR TO BID. INCLUDE INSTALLATION COST OF GAS METER AND REGULATOR IN BID.

GAS WATER HEATER

CLEARANCES REQUIRED:

1. GREATER THAN 4'-0" FROM AN OPENING, OPERABLE WINDOW, DOOR AND FRESH AIR OPENING OR ADJACENT WALL.

2. 5'-0" FROM A NATURAL GAS METER OR REGULATOR.



1 SLAB=PLUMBING PLAN
A3 SCALE: 1/4" = 1'-0"

COPYRIGHT NOTICE
© 2022 ZERO LATITUDE
THIS DRAWING IS THE PROPERTY OF ZERO LATITUDE. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ZERO LATITUDE. ANY UNAUTHORIZED USE OF THIS DRAWING IS PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

Revisions	#	Date
CITY COMMENTS	1	6/6/23

A NEW HOME BY ZERO LATITUDE HOMES
HIDEAWAY SPEC HOME
LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.
MERIDIAN CUSTOM HOMES

alba
ENGINEERING
C.A. #00556
DANIEL SOUTER, P.E.
P.E.# 63901
P.O. BOX 547774
ORLANDO, FL 32854
PHONE: (407) 421-4866



Date	02-10-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES



A3

PERMIT SET
FOR CONSTRUCTION

EGRESS WINDOWS

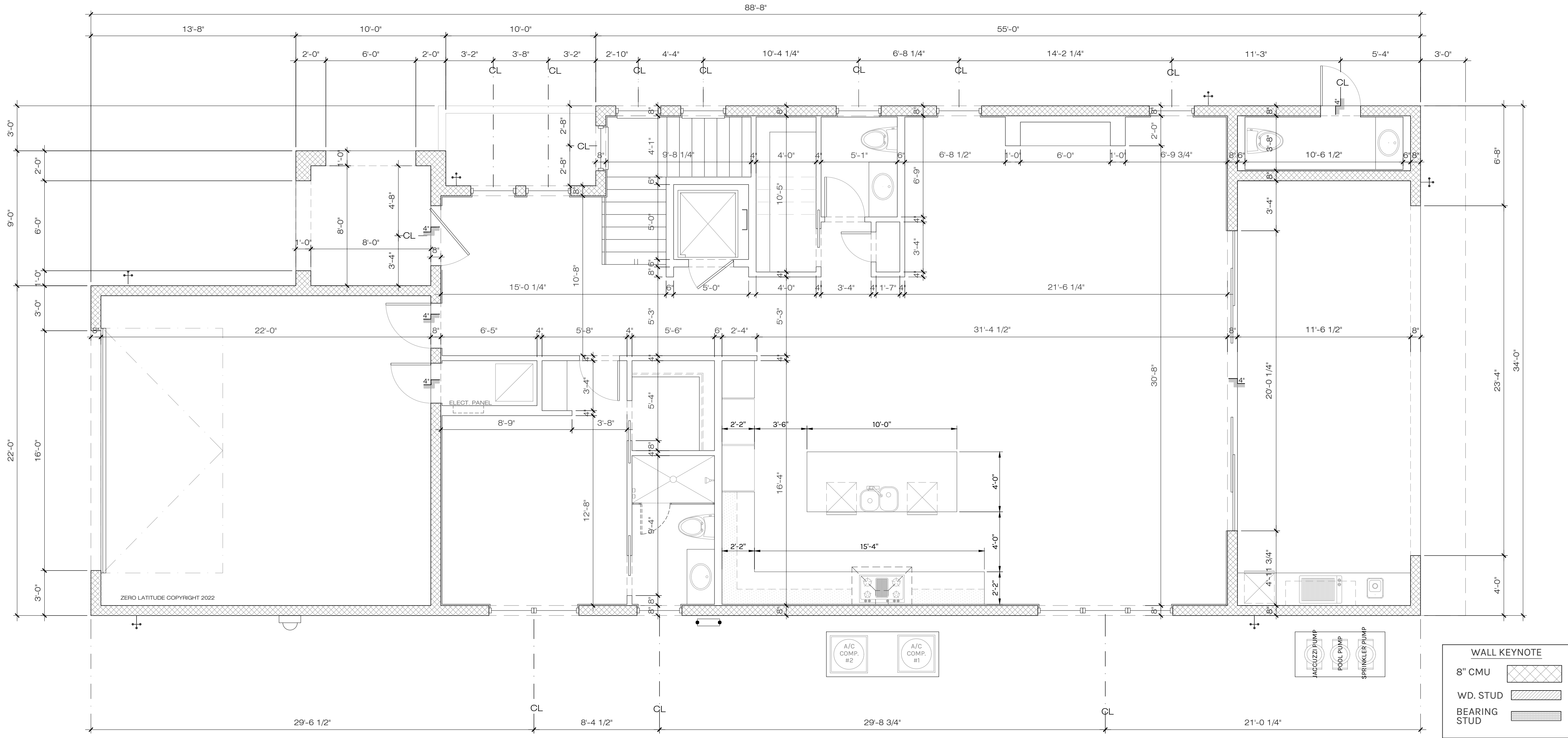
MEAN OF ESCAPE NOTE (EGRESS):

ALL EGRESS WINDOWS TO COMPLY W/F.B.C. R 310.1. AN OUTSIDE WINDOW OR DOOR OPERABLE FROM THE INSIDE WITHOUT THE USE OF TOOLS AND PROVIDING A CLEAR OPENING OF NOT LESS THAN 20" WIDE X 24" HIGH AND 5.7 SF IN AREA. THE BOTTOM OF THE OPENING SHALL NOT BE MORE THAN 44" OF THE FLOOR, THE MODE OF OPERATION MUST NOT REQUIRE THE USE OF A KEY, TOOL OR SPECIAL KNOWLEDGE OR EFFORT TO MAKE AVAILABLE THE REQUIRED CLEAR OPENING, AND NO PART OF THE OPERATION MECHANISM SHALL BE PLACED HIGHER THAN 54" ABOVE THE FINISHED FLOOR.

EVERY CLOSET DOOR LATCH SHALL BE SUCH THAT CHILDREN CAN OPEN THE DOOR FROM INSIDE THE CLOSET, EVERY BATHROOM DOOR SHALL BE DESIGNED TO ALLOW OPENING FROM THE OUTSIDE ENSURING AN EMERGENCY WHEN LOCKED.

FLOOR PLAN NOTES

- DOOR BETWEEN GARAGE AND LIVING AREA OF HOUSE TO BE MINIMUM 20 MINUTE SOLID CORE DOOR WITH SELF CLOSING MECHANISM.
- WALL BETWEEN GARAGE AND LIVING AREA OF HOUSE TO HAVE 1/2" FINISHED DRYWALL MINIMUM IF WALL IS NOT SOLID BLOCK.
- GARAGE CEILING TO BE 1/2" FINISHED DRYWALL MINIMUM AND 5/8" TYPE X DRYWALL IF THERE IS LIVING SPACE ABOVE THE GARAGE.
- ENCLOSED SPACE UNDER STAIRS THAT IS ACCESSED BY A DOOR OR ACCESS PANEL SHALL HAVE WALLS, UNDER-STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2" INCH GYPSUM BOARD. (FBCR-R302.7)
- ATTIC ACCESS, MINIMUM 30"x22" OPENING. PROVIDE (1) OUTLET, SWITCH AND LIGHT IN ATTIC AT PULL-DOWN STAIRS.
- PULL DOWN ATTIC ACCESS LADDER, MINIMUM 54"x22" OPENING.
- AT SECOND FLOOR BALCONIES: FLOORING TO BE TILES OVER PLI-DEK WATERPROOF SYSTEM. CONTRACTOR OPTION WITH OWNER APPROVAL TO USE DUROCK OVER 60 MIL WATERPROOF MEMBRANE OVER 30# FELT OVER 3/4" PLYWOOD W/ FLASHING (TYP.)
- CONTRACTOR AND/OR STAIR MANUFACTURER TO VERIFY ALL STAIR HEIGHTS, RISER HEIGHTS AND TREAD DEPTHS TO ENSURE THE CORRECT DIMENSIONS WERE PROVIDED.
- CONTRACTOR TO VERIFY ALL WINDOW AND DOOR SIZES PRIOR TO ORDERING TO ENSURE ELEVATIONS PORTRAY THE CORRECT WINDOW AND DOOR HEIGHTS.
- ALL RAILINGS ABOVE 24" A.F.F. SHALL BE 42 INCH HIGH GUARDRAILS UNLESS OTHERWISE SPECIFIED.
- ALL SHOWERS TO BE 4 INCH RECESSED, WHERE APPLICABLE, IN FIRST FLOOR SLAB AND IN TRUSSES AT ALL OTHER FLOORS.
- ALL TRAY CEILINGS TO BE 8 INCHES DEEP UNLESS OTHERWISE NOTED ON DRAWINGS.



1 DIM 1ST FLOOR PLAN
A4 SCALE: 1/4" = 1'-0"

COPYRIGHT NOTICE
© 2022 ZERO LATITUDE
THIS DRAWING IS THE PROPERTY OF ZERO LATITUDE. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ZERO LATITUDE. ANY VIOLATION OF THIS NOTICE SHALL BE SUBJECT TO LEGAL ACTION.

Revisions	#	Date
CITY COMMENTS	1	6/6/23

A NEW HOME BY ZERO LATITUDE HOMES
HIDEAWAY SPEC HOME
LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.
MERIDIAN CUSTOM HOMES

alba
ENGINEERING
C.A. #00556
DANIEL SOUTER, P.E.
P.E.# 63901
P.O. BOX 547774
ORLANDO, FL 32854
PHONE: (407) 421-4866



Date	02-10-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES



PERMIT SET
FOR CONSTRUCTION

A4

EGRESS WINDOWS

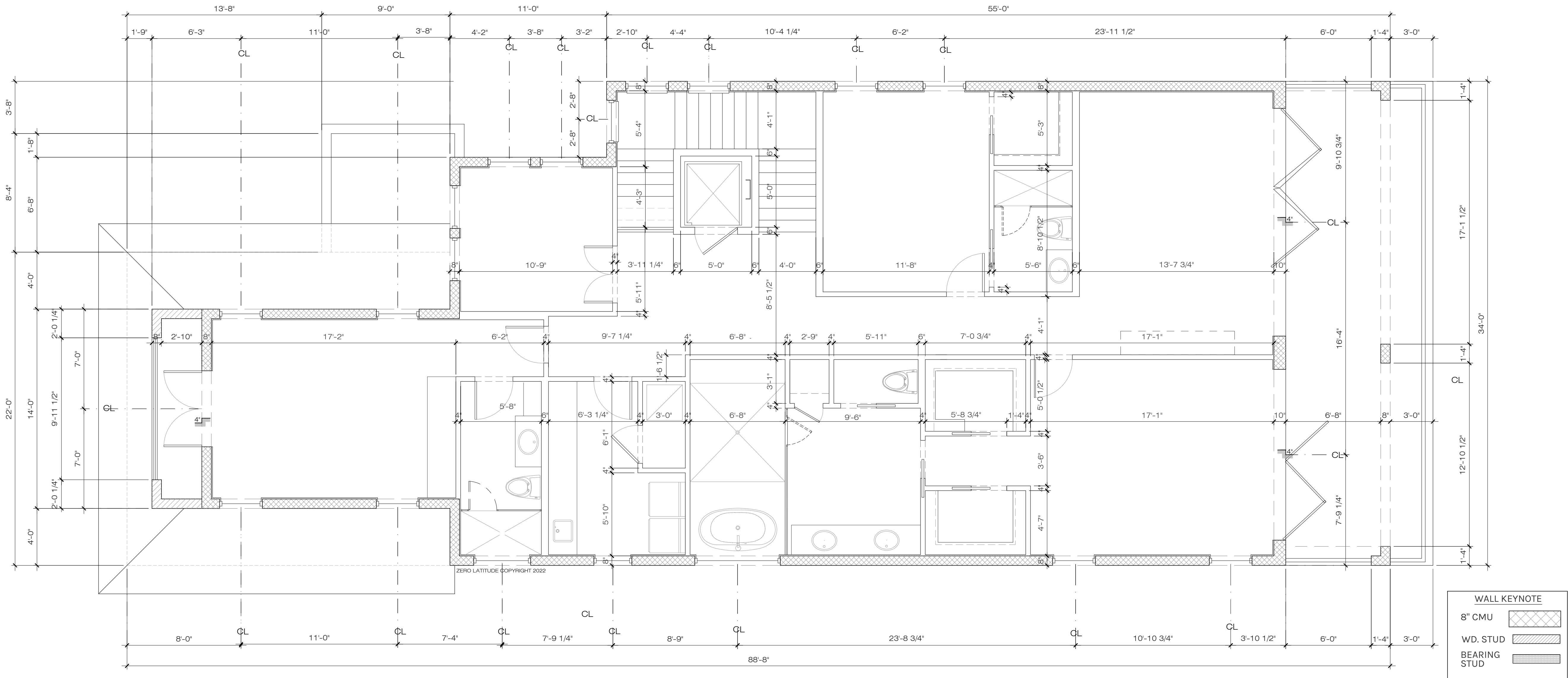
MEAN OF ESCAPE NOTE (EGRESS):

ALL EGRESS WINDOWS TO COMPLY W/F.B.C. R 310.1. AN OUTSIDE WINDOW OR DOOR OPERABLE FROM THE INSIDE WITHOUT THE USE OF TOOLS AND PROVIDING A CLEAR OPENING OF NOT LESS THAN 20" WIDE X 24" HIGH AND 5.7 SF IN AREA. THE BOTTOM OF THE OPENING SHALL NOT BE MORE THAN 44" OF THE FLOOR, THE MODE OF OPERATION MUST NOT REQUIRE THE USE OF A KEY, TOOL OR SPECIAL KNOWLEDGE OR EFFORT TO MAKE AVAILABLE THE REQUIRED CLEAR OPENING, AND NO PART OF THE OPERATION MECHANISM SHALL BE PLACED HIGHER THAN 54" ABOVE THE FINISHED FLOOR.

EVERY CLOSET DOOR LATCH SHALL BE SUCH THAT CHILDREN CAN OPEN THE DOOR FROM INSIDE THE CLOSET, EVERY BATHROOM DOOR SHALL BE DESIGNED TO ALLOW OPENING FROM THE OUTSIDE ENSURING AN EMERGENCY WHEN LOCKED.

FLOOR PLAN NOTES

- DOOR BETWEEN GARAGE AND LIVING AREA OF HOUSE TO BE MINIMUM 20 MINUTE SOLID CORE DOOR WITH SELF CLOSING MECHANISM.
- WALL BETWEEN GARAGE AND LIVING AREA OF HOUSE TO HAVE 1/2" FINISHED DRYWALL MINIMUM IF WALL IS NOT SOLID BLOCK.
- GARAGE CEILING TO BE 1/2" FINISHED DRYWALL MINIMUM AND 5/8" TYPE X DRYWALL IF THERE IS LIVING SPACE ABOVE THE GARAGE.
- ENCLOSED SPACE UNDER STAIRS THAT IS ACCESSED BY A DOOR OR ACCESS PANEL SHALL HAVE WALLS, UNDER-STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2" INCH GYPSUM BOARD. (FBCR-R302.7)
- ATTIC ACCESS, MINIMUM 30"x22" OPENING. PROVIDE (1) OUTLET, SWITCH AND LIGHT IN ATTIC AT PULL-DOWN STAIRS.
- PULL DOWN ATTIC ACCESS LADDER, MINIMUM 54"x22" OPENING.
- AT SECOND FLOOR BALCONIES: FLOORING TO BE TILES OVER PLI-DEK WATERPROOF SYSTEM. CONTRACTOR OPTION WITH OWNER APPROVAL TO USE DUROCK OVER 60 MIL WATERPROOF MEMBRANE OVER 30# FELT OVER 3/4" PLYWOOD W/ FLASHING (TYP.)
- CONTRACTOR AND/OR STAIR MANUFACTURER TO VERIFY ALL STAIR HEIGHTS, RISER HEIGHTS AND TREAD DEPTHS TO ENSURE THE CORRECT DIMENSIONS WERE PROVIDED.
- CONTRACTOR TO VERIFY ALL WINDOW AND DOOR SIZES PRIOR TO ORDERING TO ENSURE ELEVATIONS PORTRAY THE CORRECT WINDOW AND DOOR HEIGHTS.
- ALL RAILINGS ABOVE 24" A.F.F. SHALL BE 42 INCH HIGH GUARDRAILS UNLESS OTHERWISE SPECIFIED.
- ALL SHOWERS TO BE 4 INCH RECESSED, WHERE APPLICABLE, IN FIRST FLOOR SLAB AND IN TRUSSES AT ALL OTHER FLOORS.
- ALL TRAY CEILINGS TO BE 8 INCHES DEEP UNLESS OTHERWISE NOTED ON DRAWINGS.



1 DIM 2ND FLOOR PLAN
A6 SCALE: 1/4" = 1'-0"

COPYRIGHT NOTICE

Date
1 6/6/23

Revisions
CITY COMMENTS

A NEW HOME BY ZERO LATITUDE HOMES
HIDEAWAY SPEC HOME
LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.
MERIDIAN CUSTOM HOMES

alba
ENGINEERING
CA #00556

DANIEL SOUTER, P.E.
P.E.# 63901
P.O. BOX 547774
ORLANDO, FL 32854
PHONE: (407) 421-4866

meridian

Date	02-10-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES

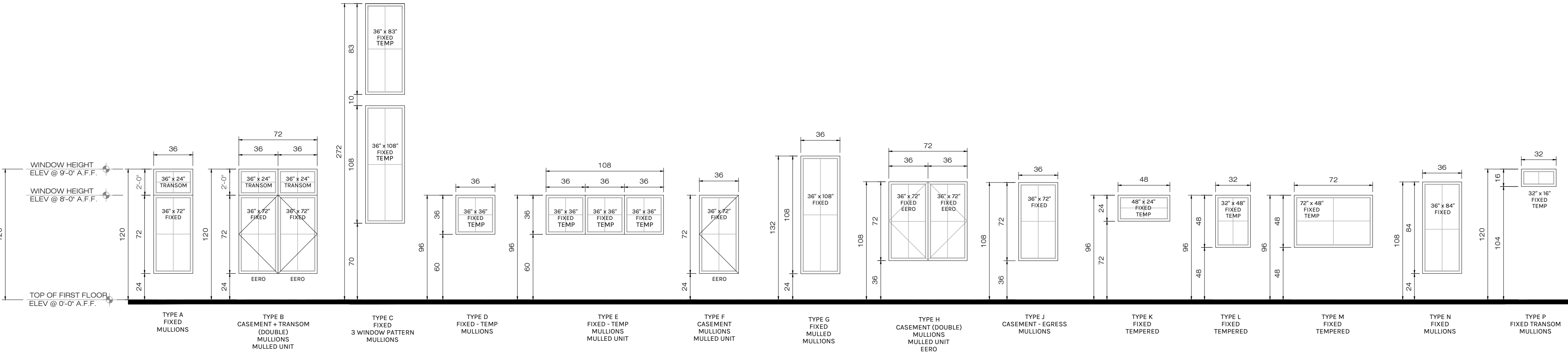
7
ZERO LATITUDE

A6

PERMIT SET
FOR CONSTRUCTION

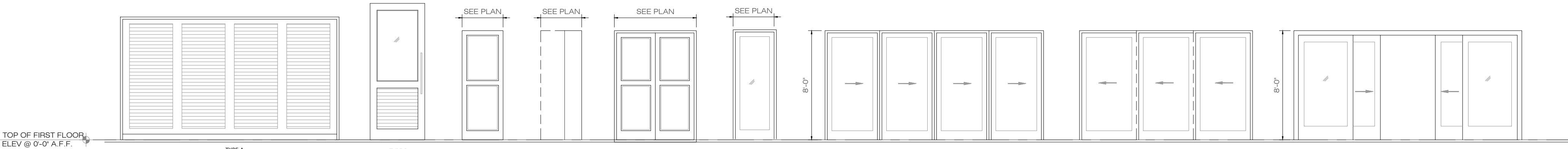
HIDEAWAY - WINDOW SCHEDULE						
UNIT #.	UNIT SIZE	TYPE	TOP OF WINDOW	LOCATION	E.E.R.O.	REMARKS
SECOND FLOOR						
2A	36" x 72"	J	8'-0" A.F.F.	BEDROOM 4		FIXED
2B	36" x 72"	J	8'-0" A.F.F.	BEDROOM 4		FIXED
2C	48" x 24"	K	8'-0" A.F.F.	BATH 4		FIXED - TEMP
2D	32" x 48"	L	8'-0" A.F.F.	LAUNDRY		FIXED
2E	72" x 48"	M	8'-0" A.F.F.	MASTER BATH - TUB		FIXED - TEMP
2F	36" x 36"	D	8'-0" A.F.F.	MASTER BEDROOM		FIXED
2G	36" x 36"	D	8'-0" A.F.F.	MASTER BEDROOM		FIXED
2H	36" x 72"	F	8'-0" A.F.F.	BEDROOM 3	YES	CASEMENT
2J	36" x 72"	F	8'-0" A.F.F.	BEDROOM 3	YES	CASEMENT
2K	36" x 36"	N	9'-0" A.F.F.	OFFICE		FIXED
2L	36" x 88"	N	9'-0" A.F.F.	OFFICE		FIXED
2M	36" x 88"	N	9'-0" A.F.F.	OFFICE		FIXED
2N	36" x 88"	N	9'-0" A.F.F.	OFFICE		FIXED
2P	36" x 72"	J	8'-0" A.F.F.	BEDROOM 4		FIXED
2Q	36" x 72"	J	8'-0" A.F.F.	BEDROOM 4		FIXED

CASTAWAY - DOOR SCHEDULE						
UNIT #.	WIDTH	HEIGHT	THKS.	MATERIALS	DOOR	LOCATION
				DOOR	FRAME	TYPE
SECOND FLOOR						
14	(22'-0"	8'-0"	1 1/2"	WOOD/GLASS	WOOD	F OFFICE - ENTRY
15	2'-8"	8'-0"	1 1/2"	SC	WOOD	C BEDROOM 4 - ENTRY
16	2'-8"	8'-0"	1 1/2"	SC	WOOD	C BATH 4 - ENTRY
17	2'-8"	8'-0"	1 1/2"	SC	WOOD	C LAUNDRY - ENTRY
18	2'-8"	8'-0"	1 1/2"	SC	WOOD	C LAUNDRY - MECHANICAL
19	3'-0"	8'-0"	1 1/2"	SC	WOOD	C ELEVATOR - ENTRY
20	2'-8"	8'-0"	1 1/2"	SC	WOOD	D BEDROOM 3 - ENTRY
21	2'-8"	8'-0"	1 1/2"	SC	WOOD	C BEDROOM 3 - WIC
22	2'-8"	8'-0"	1 1/2"	SC	WOOD	D BATH 3 - ENTRY
23	2'-8"	8'-0"	1 1/2"	SC	WOOD	C MASTER SUITE - ENTRY
24	2'-6"	8'-0"	1 1/2"	SC	WOOD	D MASTER SUITE - HER CLOSET
25	2'-6"	8'-0"	1 1/2"	SC	WOOD	D MASTER SUITE - HIS CLOSET
26	2'-8"	8'-0"	1 1/2"	SC	WOOD	D MASTER BATH - ENTRY
27	2'-6"	8'-0"	1 1/2"	SC	WOOD	D MASTER BATH - WIC
28	2'-0"	8'-0"	1 1/2"	SC	WOOD	C MASTER BATH - LINEN
29	(3/4'-0"	8'-0"	1 1/2"	ALUMINUM/GLASS	ALUMINIUM	H MASTER SUITE - BALCONY
30	(4/4'-0"	8'-0"	1 1/2"	ALUMINUM/GLASS	ALUMINIUM	G MASTER SUITE - BALCONY
31	(2/2'-0"	8'-0"	1 1/2"	WOOD/GLASS	WOOD	F BEDROOM 4 - BALCONY

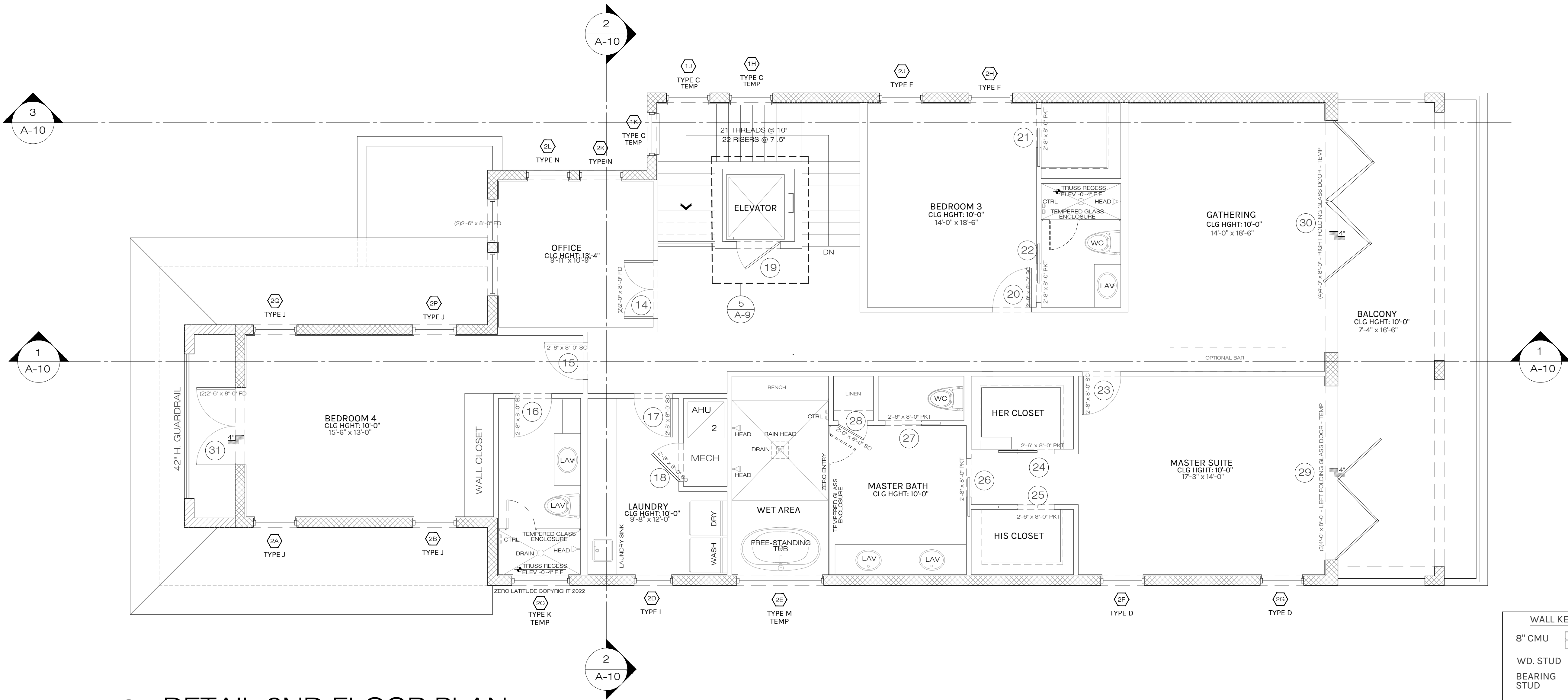


WINDOW ELEVATIONS

- FOR EXACT SILL HEIGHT ABOVE FINISHED FLOOR (A.F.F.), SEE ELEVATIONS. FLOOR PLANS ONLY SHOW ALPHABETICAL NOTATION. SEE WINDOW SCHEDULE FOR FULL WINDOW INFORMATION.
- ALL WINDOWS THAT HAVE A SILL LOWER THAN 24 INCHES A.F.F. WILL HAVE TEMPERED GLASS.
- ALL WINDOWS/GLASS SHALL MEET OR EXCEED THE FLORIDA BUILDING CODE (WIND-DADE COUNTY) AND LOCAL ORDINANCES FOR HURRICANE REQUIREMENTS.



DOOR ELEVATIONS



DETAIL 2ND FLOOR PLAN
SCALE: 1/4" = 1'-0"

COMPONENTS AND CLADDING WINDOW AND DOOR WIND PRESSURE SCHEDULE Vasd VALUES (EXP C. 160mph Vult)

	AREA	PRESSURE (PSF)
1ST STORY	10 S.F.	+33.4, -44.8
	20 S.F.	+31.9, -41.7
	50 S.F.	+30.0, -37.8
	100 S.F.	+28.4, -34.7
2ND STORY	10 S.F.	+35.6, -47.7
	20 S.F.	+34.1, -44.5
	50 S.F.	+32.0, -40.2
	100 S.F.	+30.3, -37.0

FLOOR PLAN NOTES

- DOOR BETWEEN GARAGE AND LIVING AREA OF HOUSE TO BE MINIMUM 20 MINUTE SOLID CORE DOOR WITH SELF CLOSING MECHANISM.
- WALL BETWEEN GARAGE AND LIVING AREA OF HOUSE TO HAVE 1/2" FINISHED DRYWALL MINIMUM IF WALL IS NOT SOLID BLOCK.
- GARAGE CEILING TO BE 1/2" FINISHED DRYWALL MINIMUM AND 5/8" TYPE X DRYWALL IF THERE IS LIVING SPACE ABOVE THE GARAGE.
- ENCLOSED SPACE UNDER STAIRS THAT IS ACCESSED BY A DOOR OR ACCESS PANEL SHALL HAVE WALLS, UNDER-STAIR SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2" INCH GYPSUM BOARD. (FBCR-R302.7)
- ATTIC ACCESS, MINIMUM 30"x22" OPENING. PROVIDE (1) OUTLET, SWITCH AND LIGHT IN ATTIC AT PULL-DOWN STAIRS.
- PULL DOWN ATTIC ACCESS LADDER, MINIMUM 54"x22" OPENING.
- AT SECOND FLOOR BALCONIES: FLOORING TO BE TILES OVER PLI-DEK WATERPROOF SYSTEM. CONTRACTOR OPTION WITH OWNER APPROVAL TO USE DUROCK OVER 60 MIL WATERPROOF MEMBRANE OVER 30# FELT OVER 3/4" PLYWOOD W/ FLASHING (TYP.)
- CONTRACTOR AND/OR STAIR MANUFACTURER TO VERIFY ALL STAIR HEIGHTS, RISER HEIGHTS AND TREAD DEPTHS TO ENSURE THE CORRECT DIMENSIONS WERE PROVIDED.
- CONTRACTOR TO VERIFY ALL WINDOW AND DOOR SIZES PRIOR TO ORDERING TO ENSURE ELEVATIONS PORTRAY THE CORRECT WINDOW AND DOOR HEIGHTS.
- ALL RAILINGS ABOVE 24" A.F.F. SHALL BE 42 INCH HIGH GUARDRAILS UNLESS OTHERWISE SPECIFIED.
- ALL SHOWERS TO BE 4 INCH RECESSED, WHERE APPLICABLE. IN FIRST FLOOR SLAB AND IN TRUSSES AT ALL OTHER FLOORS.
- ALL TRAY CEILINGS TO BE 8 INCHES DEEP UNLESS OTHERWISE NOTED ON DRAWINGS.

EGRESS WINDOWS

MEAN OF ESCAPE NOTE (EGRESS):

ALL EGRESS WINDOWS TO COMPLY W/F.B.C. R 310.1. AN OUTSIDE WINDOW OR DOOR OPERABLE FROM THE INSIDE WITHOUT THE USE OF TOOLS AND PROVIDING A CLEAR OPENING OF NOT LESS THAN 20" WIDE X 24" HIGH AND 5.7 SF IN AREA. THE BOTTOM OF THE OPENING SHALL NOT BE MORE THAN 44" OF THE FLOOR, THE MODE OF OPERATION MUST NOT REQUIRE THE USE OF A KEY, TOOL OR SPECIAL KNOWLEDGE OR EFFORT TO MAKE AVAILABLE THE REQUIRED CLEAR OPENING, AND NO PART OF THE OPERATION MECHANISM SHALL BE PLACED HIGHER THAN 54" ABOVE THE FINISHED FLOOR.

EVERY CLOSET DOOR LATCH SHALL BE SUCH THAT CHILDREN CAN OPEN THE DOOR FROM INSIDE THE CLOSET. EVERY BATHROOM DOOR SHALL BE DESIGNED TO ALLOW OPENING FROM THE OUTSIDE ENSURING AN EMERGENCY WHEN LOCKED.

COPYRIGHT NOTICE

Date

1 6/6/23

Revisions

CITY COMMENTS

A NEW HOME BY ZERO LATITUDE HOMES

HIDEAWAY SPEC HOME

LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.

MERIDIAN CUSTOM HOMES

alba ENGINEERING

DANIEL SOUTER, P.E.

P.E.# 63901

P.O. BOX 547774

ORLANDO, FL 32854

PHONE: (407) 421-4866

Date

Project #

Drawn by

Checked by

Reviewed by

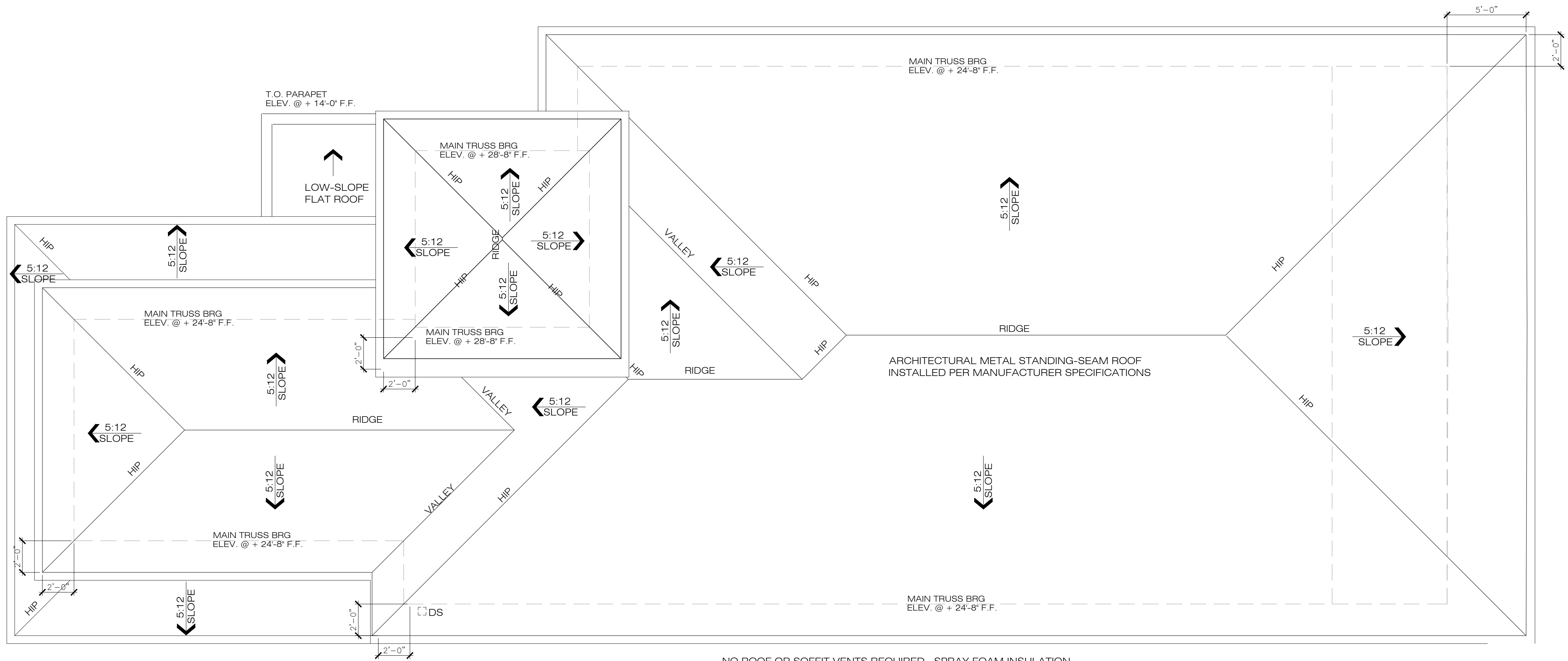
Interior Design & Owner

meridian

zero latitude

A7

PERMIT SET
FOR CONSTRUCTION



1 ROOF PLAN
A8 SCALE: 1/4" = 1'-0"

ROOF NOTES

GENERAL NOTES:

- COORDINATE ALL ROOF NOTES WITH ELEVATION AND FLOOR PLANS NOTES.
- REFER TO ROOFING SPECIFICATIONS 202 7TH EDITION FBC CHAPTER 9 - ROOF ASSEMBLIES FOR FURTHER INFORMATION, TYP.
- REFER TO CIVIL DRAWINGS FOR STORM DRAIN LOCATION. COORDINATE IN FIELD.
- PROVIDE ROOF CRICKETING AROUND ROOF ACCESSORIES AND PENETRATIONS.
- GENERAL CONTRACTOR TO COORDINATE LOCATIONS OF DOWNSPOUT AND/OR SCUPPERS IF APPLICABLE TO BUILD.

LOW-SLOPE ROOF DRAINAGE

ALL LOW ROOFS SURROUNDED BY PARAPET WALLS TO HAVE DRAINS PIPED TO EXTERIOR OF RESIDENCE, WITH SEPARATE OVERFLOW DRAINS OR SCUPPERS LOCATED 2' ABOVE PRIMARY DRAIN ELEVATION TO COMPLY WITH FBC-R304 AND FBC-PLUMBING 1105 & 1106

FLASHING NOTE:

FLASHING SHALL BE INSTALLED AT ALL WALL AND ROOF INTERSECTIONS, AT ALL CHANGE IN ROOF SLOPE OR DIRECTION AND AROUND ALL ROOF OPENINGS PER FBC-R903.

COPYRIGHT NOTICE
© 2022 ZERO LATITUDE
THIS DRAWING IS THE PROPERTY OF ZERO LATITUDE. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ZERO LATITUDE. ANY VIOLATION OF THIS NOTICE SHALL BE CONSIDERED A VIOLATION OF THE COPYRIGHT ACT OF 1976 AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW. THE USER OF THIS DRAWING AGREES TO HOLD ZERO LATITUDE HARMLESS FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST ZERO LATITUDE BY ANY THIRD PARTY AS A RESULT OF THE USER'S USE OF THIS DRAWING.

Revisions	#	Date
CITY COMMENTS	1	6/6/23

A NEW HOME BY ZERO LATITUDE HOMES
HIDEAWAY SPEC HOME
LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.
MERIDIAN CUSTOM HOMES

alba
ENGINEERING
C.A. #03556
DANIEL SOUTER, P.E.
P.E.# 63901
P.O. BOX 547774
ORLANDO, FL 32854
PHONE: (407) 421-4866

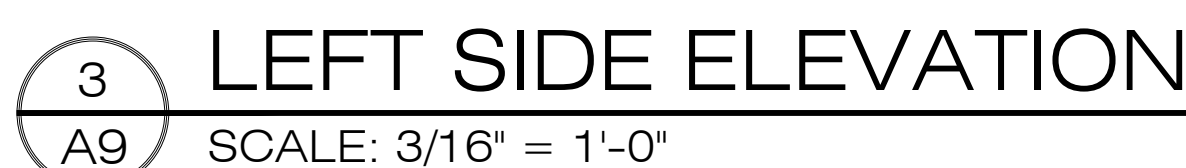


Date	02-10-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES

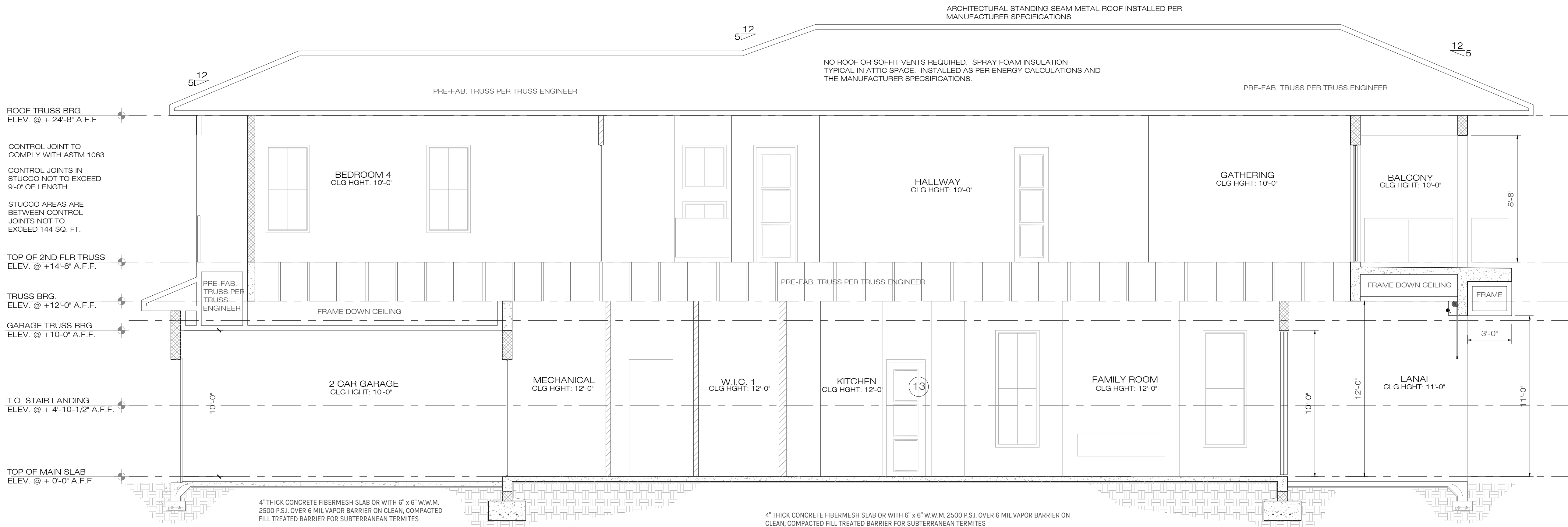


PERMIT SET
FOR CONSTRUCTION

A8



PERMIT SET



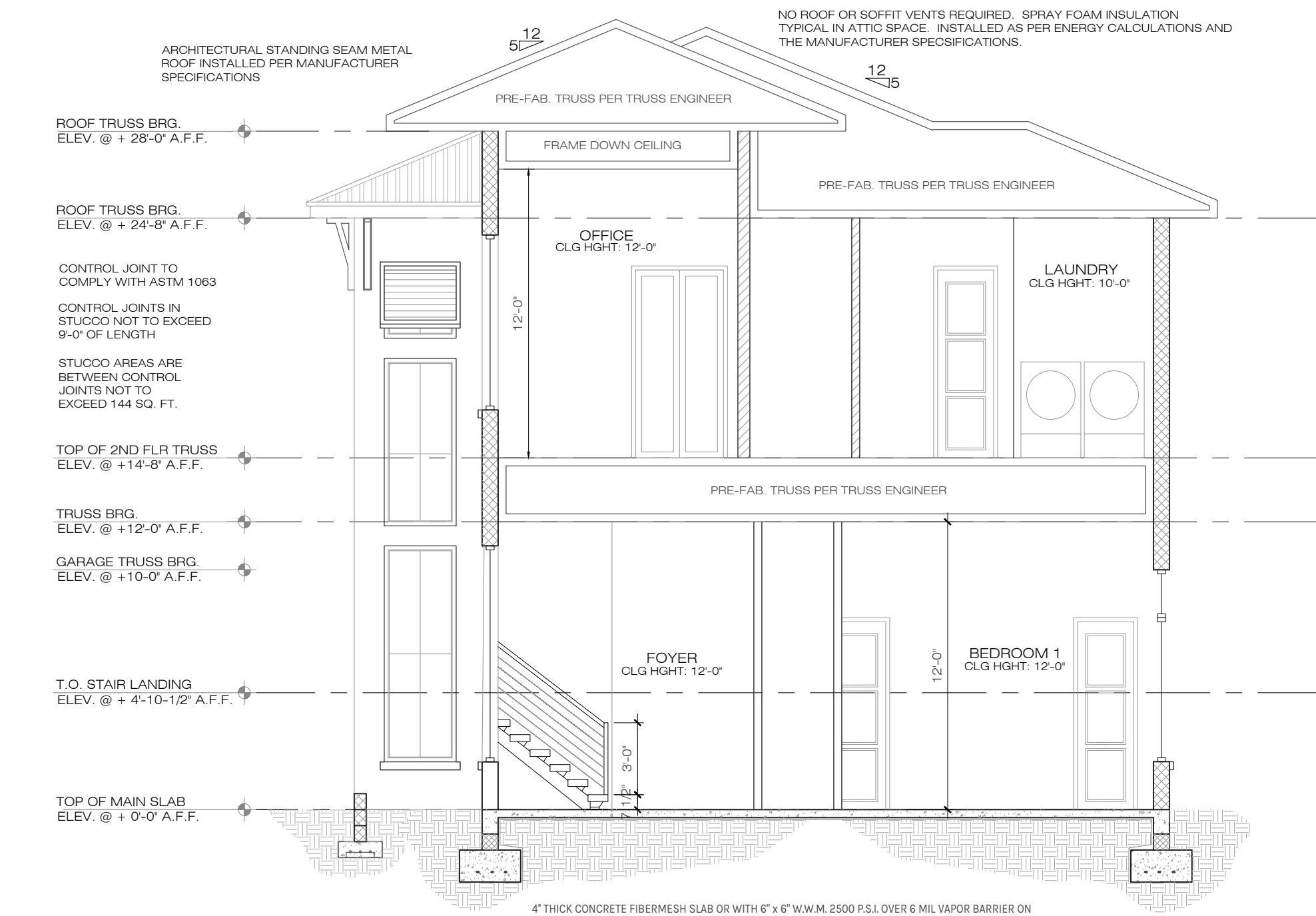
NOTE: INTERIOR METAL HANDRAILS AND GUARDS FOR ONE-AND TWO FAMILY DWELLINGS SHALL BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 200 POUNDS (0.89 KN) IN ACCORDANCE WITH SECTION 4.5.1 OF ASCE 7. GLASS HANDRAIL ASSEMBLIES AND GUARDS SHALL ALSO COMPLY WITH SECTION 2407.

NOTE: ALL THE WINDOW OPENINGS; DELAY A MINIMUM 2" FROM FACE OF EXTERIOR WALL (CMU & WOOD FRAME)

R-318 TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION (SEE SECTION 202, REGISTERED TERMITICIDE). UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTION TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

1 BUILDING SECTION

A10 SCALE: 1/4" = 1'-0"



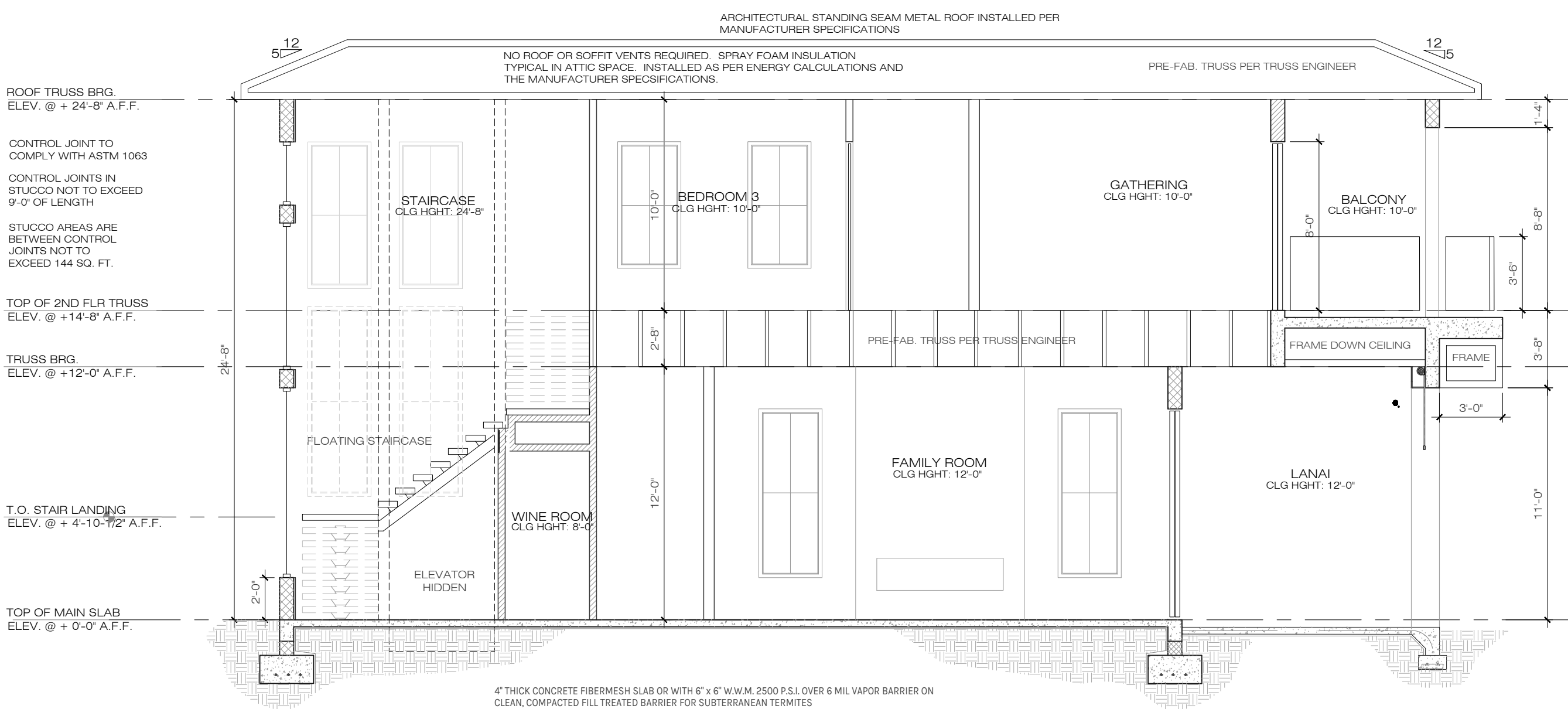
NOTE: INTERIOR METAL HANDRAILS AND GUARDS FOR ONE-AND TWO FAMILY DWELLINGS SHALL BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 200 POUNDS (0.89 KN) IN ACCORDANCE WITH SECTION 4.5.1 OF ASCE 7. GLASS HANDRAIL ASSEMBLIES AND GUARDS SHALL ALSO COMPLY WITH SECTION 2407.

NOTE: ALL THE WINDOW OPENINGS; DELAY A MINIMUM 2" FROM FACE OF EXTERIOR WALL (CMU & WOOD FRAME)

R-318 TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION (SEE SECTION 202, REGISTERED TERMITICIDE). UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTION TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

3 BUILDING SECTION

A10 SCALE: 3/16" = 1'-0"



NOTE: INTERIOR METAL HANDRAILS AND GUARDS FOR ONE-AND TWO FAMILY DWELLINGS SHALL BE DESIGNED TO RESIST A CONCENTRATED LOAD OF 200 POUNDS (0.89 KN) IN ACCORDANCE WITH SECTION 4.5.1 OF ASCE 7. GLASS HANDRAIL ASSEMBLIES AND GUARDS SHALL ALSO COMPLY WITH SECTION 2407.

NOTE: ALL THE WINDOW OPENINGS; DELAY A MINIMUM 2" FROM FACE OF EXTERIOR WALL (CMU & WOOD FRAME)

R-318 TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION (SEE SECTION 202, REGISTERED TERMITICIDE). UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTION TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUED TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

2 BUIDLING SECTION

A10 SCALE: 3/16" = 1'-0"

ELEVATION NOTES

1. TYPICAL 5/8" SMOOTH STUCCO FINISH @ C.M.U. WALL
2. TYPICAL 7/8" SMOOTH STUCCO FINISH @ FRAME WALL
3. ARCHITECTURAL METAL STANDING-SEAM ROOF INSTALLED PER MANUFACTURER SPECIFICATION.
4. NO ROOF VENTS REQUIRED, SPRAY FOAM INSULATION TO BE USED PER ENERGY CALCULATIONS.
5. FRONT ELEVATION WINDOW SILLS TO BE 4" x 6" STUCCO AND/OR WHERE ALSO INDICATED.
6. 6" WOOD SIDING WHERE INDICATED, STYLE AND COLOR PER CONTRACTOR AND OWNER.
7. CONTROL JOINTS ON EXTERIOR STUCCO WALLS OVER WOOD FRAME TO BE INSTALLED PER ASTM 1063

NOTE: CONTRACTOR TO VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION AND CONTACT DESIGNER/ENGINEER WITH ANY CHANGES OR QUESTIONS.

EGRESS

MEAN OF ESCAPE NOTE (EGRESS):

ALL EGRESS WINDOWS TO COMPLY W/F B.C. R 310.1. AN OUTSIDE WINDOW OR DOOR OPERABLE FROM THE INSIDE WITHOUT THE USE OF TOOLS AND PROVIDING A CLEAR OPENING OF NOT LESS THAN 20" WIDE X 24" HIGH AND 5.7 SF IN AREA. THE BOTTOM OF THE OPENING SHALL NOT BE MORE THAN 44" OF THE FLOOR, THE MODE OF OPERATION MUST NOT REQUIRE THE USE OF A KEY, TOOL, OR SPECIAL KNOWLEDGE OR EFFORT TO MAKE AVAILABLE THE REQUIRED CLEAR OPENING, AND NO PART OF THE OPERATION MECHANISM SHALL BE PLACED HIGHER THAN 54" ABOVE THE FINISHED FLOOR.

EVERY CLOSET DOOR LATCH SHALL BE SUCH THAT CHILDREN CAN OPEN THE DOOR FROM INSIDE THE CLOSET. EVERY BATHROOM DOOR SHALL BE DESIGNED TO ALLOW OPENING FROM THE OUTSIDE ENSURING AN EMERGENCY WHEN LOCKED.

STUCCO APPLICATION

- TYPICAL 5/8" SMOOTH STUCCO FINISH @ C.M.U. WALLS
- TYPICAL 7/8" SMOOTH STUCCO FINISH @ FRAME WALLS OVER EXPANDED METAL OR FIBERGLASS LATH, OVER #15 BUILDING PAPER, OVER TYVEK HOMEWRAP (OR EQUAL).

CONTROL JOINTS

- CONTROL JOINTS IN STUCCO SHALL NOT EXCEED 9'-0" IN LENGTH.
- STUCCO AREAS ARE BETWEEN CONTROLS JOINTS SHALL NOT EXCEED 144 SQ. FT.

GUARD RAILS

GUARD RAILS SHALL BE PROVIDED FOR THOSE PORTIONS OF OPEN-SIDED WALKING SURFACES, INCLUDING STAIRS, RAMPS AND LANDINGS, THAT ARE LOCATED MORE THAN 30" MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 24 INCHES HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. INSECT SCREENING SHALL NOT BE CONSIDERED AS A GUARD. GUARDS SHALL NOT BE LESS THAN 36" IN HEIGHT. LARGEST GAPS BETWEEN HANDRAIL MEMBERS, PICKETS AND BASE SHALL NOT EXCEED 4". HANDRAIL/GUARDRAIL LIVE LOADS, GUARDS AND HANDRAILS (HIGHER OF 200LB PT LOAD OR 50PLF). GUARD/PICKET INFILL COMPONENTS, 50PSF OVER A 1 SQ. FT. AREA.

COPYRIGHT NOTICE
© 2022 ZERO LATITUDE
THIS PLAN IS PREPARED BY ZERO LATITUDE ENGINEERING, INC. (ZLE) FOR THE EXCLUSIVE USE OF THE CLIENT. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ZLE. THE CLIENT AGREES TO HOLD ZLE HARMLESS FROM ANY AND ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, THAT MAY BE ASSERTED AGAINST ZLE OR ITS ENGINEER, ARCHITECT, OR OTHER PROFESSIONAL CONSULTANTS BY ANY THIRD PARTY AS A RESULT OF THE CLIENT'S USE OF THIS PLAN. THE CLIENT'S USE OF THIS PLAN IS LIMITED TO THE PROJECT AND SITE SPECIFICALLY IDENTIFIED IN THE PROJECT DESCRIPTION. ANY OTHER USE OF THIS PLAN IS PROHIBITED. THE CLIENT'S USE OF THIS PLAN IS LIMITED TO THE PROJECT AND SITE SPECIFICALLY IDENTIFIED IN THE PROJECT DESCRIPTION. ANY OTHER USE OF THIS PLAN IS PROHIBITED.

Revisions	#	Date	CITY COMMENTS
	1	6/6/23	

A NEW HOME BY ZERO LATITUDE HOMES
HIDEAWAY SPEC HOME
LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.
MERIDIAN CUSTOM HOMES

aloha
ENGINEERING
CA #00556

DANIEL SOUTER, P.E.
P.E.# 63901
P.O. BOX 547774
ORLANDO, FL 32854
PHONE: (407) 421-4866

meridian

Date	02-10-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES

7
ZERO LATITUDE

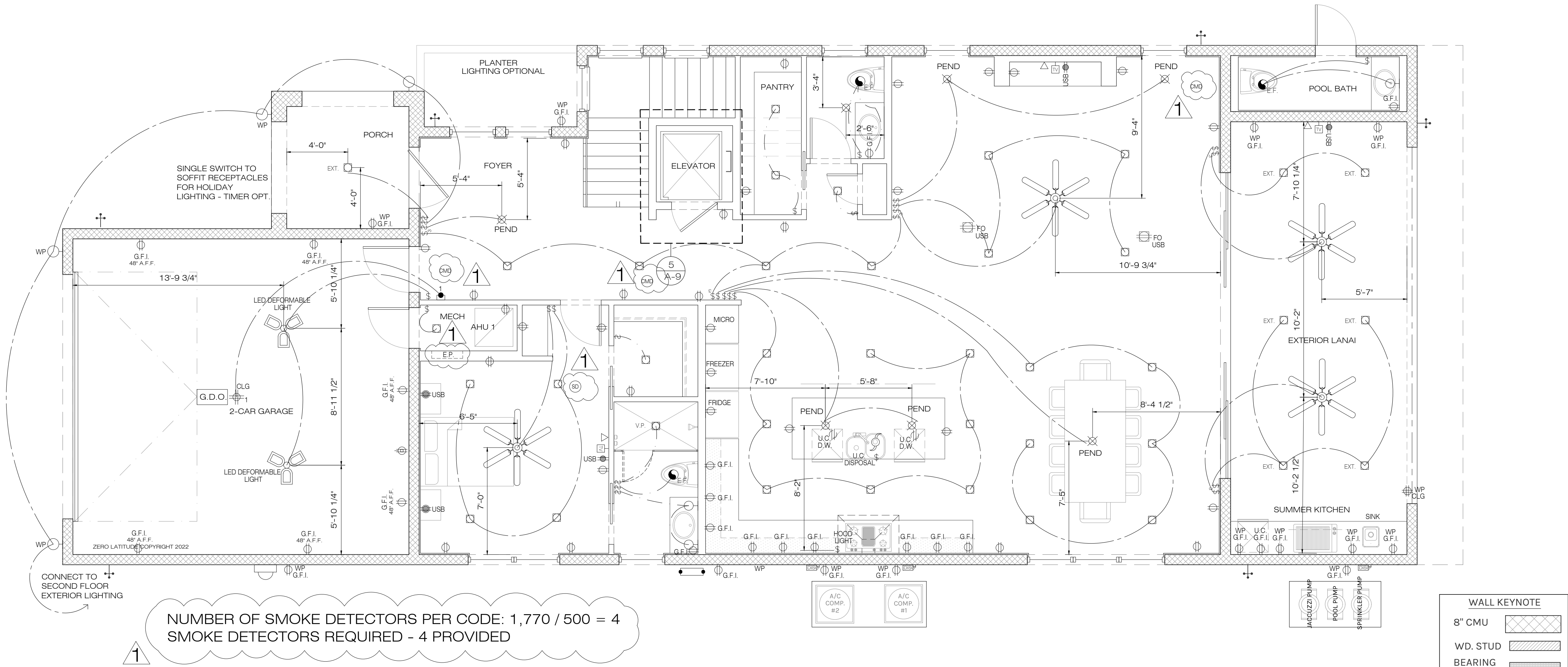
PERMIT SET
FOR CONSTRUCTION

A10

ELECTRICAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT AND MANUFACTURER'S SPECIFICATIONS FOR CORRECT INSTALLATION. ELECT
2. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION. ALL INSTALLATIONS ARE TO BE CHECKED AS WORKING PRIOR TO OCCUPANCY CERTIFICATION.
3. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND WITH ALL LOCAL ORDINANCES HAVING JURISDICTION, PER 2017 NEC EDITION.
4. VERIFY LOCATION OF ALL OUTLETS, RECEPTACLES, SWITCHES, COAX CABLE, CAT 6 DATA, FIXTURES, ETC., WITH OWNER PRIOR TO ANY INSTALLATION.
5. ALL SECURITY SYSTEMS SHALL HAVE 3 PADS. VERIFY OWNER/CONTRACTOR AGREEMENT AND LOCATIONS OF PADS PRIOR TO ANY INSTALLATION.
6. ALL WORK TO BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
7. ALL MATERIAL SHALL BE NEW AND BEAR THE UNDERWRITERS LABEL (U.L.) WHERE APPLICABLE.
8. THE ELECTRICAL, TELEPHONE, DATA AND CABLE TELEVISION INSTALLATIONS SHALL MEET ALL REQUIREMENTS BY THE LOCAL UTILITY COMPANIES.
9. THE ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDSED AS REQUIRED IN ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE (NEC).
10. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
11. UNLESS OTHERWISE INDICATED, ALL RECEPTACLES, CABLE, DATA, AND TELEPHONE OUTLETS TO BE 18" A.F.F.
12. SMOKE DETECTORS ARE INTERCONNECTED AND TO HAVE BATTERY BACKUP, INSTALLED PER NFPA 72.29.8.3.4
13. ALL NON-GFI OUTLETS TO BE ON ARC-FAULT INTERRUPTERS
14. GFI OUTLETS LOCATION OUTDOORS ARE TO BE WATERPROOF & TAMPER-RESISTANT
15. GIF OUTLEST LOCATED IN GARAGES, KITCHENS, AND BATHROOMS, SHALL BE TAMPER-PROOF.
16. ALL DETECTORS SHALL BE SMOKE/CARBON MONOXIDE COMBO, AND SHALL BE HARDWIRED AND INTERCONNECTED WITH BATTERY BACKUP, AND SHALL BE INSTALLED PER NFPA 72.29.8.3.4 - IN NO CASE SHALL MORE THAN 18 INITIATING DEVICES BE INTERCONNECTED OF WHICH 12 CAN BE SMOKE ALARMS WHERE THE INTERCONNECTING MEANS IS NOT SUPERVISED, PER NFPA 72.29.8.2 HOMES WITH A LARGE NUMBER OF BEDROOMS WHERE MORE THAN 12 SMOKE ALARMS OR CARBON MONOXIDE ALARM COMBINATION, WILL REQUIRE A SEPARATE PERMIT FOR A FIRE ALARM SYSTEM.
17. ELECTRICAL METER AN PANEL LOCATION MAY VARY AS PER SERVICE ENTRANCE LOCATION.
18. ALL WIRING TO BE COPPER.
19. IF CHOSEN BY OWNER, CONTRACTOR TO VERIFY LOCATION OF E.C.P. 240V ELECTRIC CHARGING PORT WITH OWNER PRIOR TO INSTALLATION. ELECTRIC CAR CHARGING STATION TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. VERIFY CHARGING STATION SPECIFICATIONS MATCH OWNERS VEHICLES.

NOTE: THIS DIAGRAMMATIC PLAN IS INTENDED TO SHOW LIGHTING AND CONVENIENCE OUTLETS ONLY. ZERO LATITUDE INC. WILL BEAR NO RESPONSIBILITY FOR ITS ACCURACY. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY THE REQUIREMENTS AND LOCATIONS OF ALL ELECTRICAL EQUIPMENT AND LOCATIONS OF ALL ELECTRICAL EQUIPMENT AND PROVIDE AND INSTALL COMPLETE ELECTRICAL SERVICES AS REQUIRED PRIOR TO COMMENCING WITH ANY INSTALLATION. ELECTRICAL CONTRACTOR TO SUBMIT PLAN AND PULL PERMIT.



1 ELECTRICAL 1ST FLOOR PLAN
A11 SCALE: 1/4" = 1'-0"

FIRE-SMOKE ALARM SYSTEM

NFPA 72 29.5.1.3.1

- All points on the ceiling shall have a smoke alarm within a distance of 30 ft (9.1 m) travel distance or shall have an equivalent of one smoke alarm per 500 ft2 (46 m2) of floor area.
- 29.5.1.1 - Where required by other governing laws, codes, or standards for a specific type of occupancy, approved single and multiple-station smoke alarms shall be installed as follows:
- (2) In all sleeping rooms and guest rooms
 - (2) Outside of each separate dwelling unit sleeping area, within 21 ft. of any door to a sleeping room, with the distance measured along a path of travel
 - (3) On every level of a dwelling unit, including basements
 - (4) On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics
 - (5) In the living area(s) of a guest suite
 - (6) In the living area(s) of a residential board and care occupancy (small facility)

SECURITY SYSTEM

ELECTRICAL CONTRACTOR AND OR SECURITY SYSTEMS CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL DOORS AND WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL WILL BE EQUIPPED WITH AN EXIT ALARM THAT HAS A MINIMUM SOUND PRESSURE RATING OF 85 DECIBELS AT 10 FEET, PER THE REQUIREMENTS DESCRIBED IN FLORIDA STATUTES SECTIONS 515.21 - 515.37, THE RESIDENTIAL SWIMMING POOL SAFETY ACT.

- 29.5.1.2 - Where the area addressed in 29.5.1.1(2) is separated from the adjacent living areas by a door, a smoke alarm shall be installed in the area between the door and the sleeping rooms, and additional alarms shall be installed on the living area side of the door as specified by 29.5.1.1 and 29.5.1.3.
- 29.5.1.3 - In addition to the requirements of 29.5.1.1(1) through (3), where the interior floor area for a given level of a dwelling unit, excluding garage areas, is greater than 1000 ft2 smoke alarms shall be installed per 29.5.1.3.1 and 29.5.1.3.2.

29.5.1.3.1 - All points on the ceiling shall have a smoke alarm within a distance of 30 ft. travel distance or shall have an equivalent of one smoke alarm per 500 ft2 of floor area. One smoke alarm per 500 ft2 is evaluated by dividing the total interior square footage of floor area per level by 500 ft2

29.5.1.3.2 - Where dwelling units include great rooms or vaulted/cathedral ceilings extending over multiple floors, smoke alarms located on the upper floor that are intended to protect the aforementioned area shall be permitted to be considered as part of the lower floor(s) protection scheme used to meet the requirements of 29.5.1.3.1.

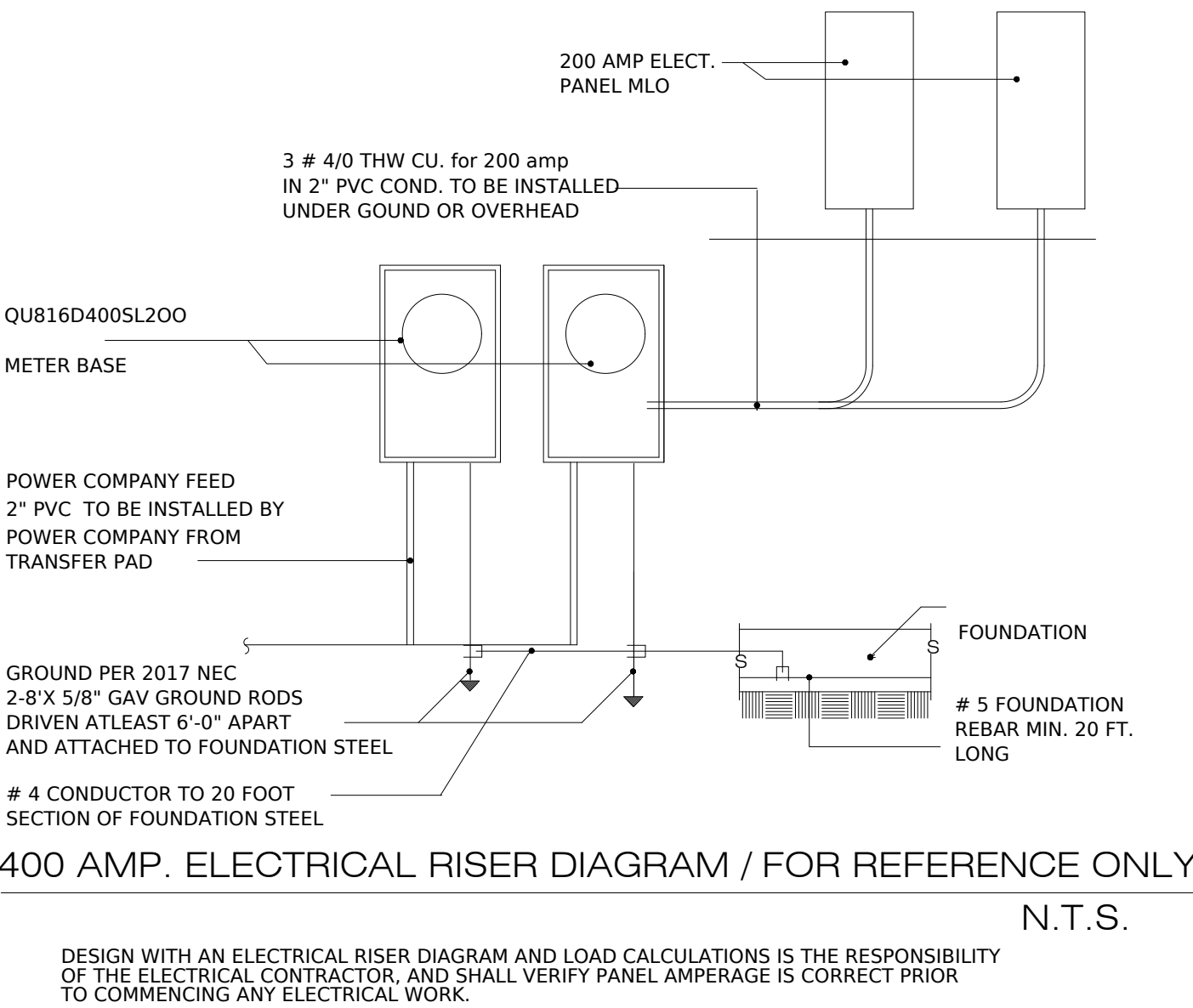
29.5.2.1.1 - Smoke and Heat Alarms. Unless exempted by applicable laws, codes, or standards, smoke or heat alarms used to provide a fire-warning function, and when two or more alarms are installed within a dwelling unit, suite of rooms, or similar area, shall be arranged so that the operation of any smoke or heat alarm causes all alarms within these locations to sound.

NOTE: A SUPERVISED FIRE ALARM SYSTEM IS REQUIRED TO BE INSTALLED PER NFPA 72.29.8.2 - A SEPARATE FIRE ALARM PERMIT IS REQUIRED. THE SYSTEM DESIGN, PERMIT APPLICATION AND INSTALLATION IS THE RESPONSIBILITY OF THE FIRE ALARM SYSTEM COMPANY. ZERO LATITUDE INC. WILL BEAR NO RESPONSIBILITY FOR ITS ACCURACY.

ELECTRICAL SYMBOLS LEGEND

	ELECTRIC METER
	ELECTRIC PANEL
	ELECTRICAL - A/C DISCONNECT
	DUPLEX OUTLET
	FLOOR OUTLET LOCATE PER OWNERS / BUILDER
	DUPLEX OUTLET - HALF SWITCHED
	WEATHER PROOF DUPLEX OUTLET
	G.F.I DUPLEX OUTLET
	220 VOLT RECEPTACLE
	TELEVISION JACK
	CAT 6 NETWORK
	CENTRAL VACUUM HOSE OUTLET
	WALL SWITCH
	3-WAY WALL SWITCH
	4-WAY WALL SWITCH
	DIMMER WALL SWITCH
	PUSH BUTTON WALL SWITCH
	CEILING MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	JUNCTION BOX
	TRACK LIGHTING
	HANGING LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	RECESSED HIGHLIGHTING LIGHT FIXTURE
	VAPOR RESISTANT RECESSED LIGHT FIXTURE
	EXTERIOR RECESSED LIGHT FIXTURE
	4' LONG FLUORESCENT LIGHT FIXTURE
	52" CEILING FAN WITH LIGHT
	FLOOD LIGHT
	THERMOSTAT
	FIRE ALARM CONTROL PANEL
	SMOKE DETECTOR
	SMOKE & CARBON MONOXIDE DETECTOR
	EXHAUST FAN CFM MIN 80
	CEILING OUTLET
	NEMA 14-50 (220V) ELECT CAR CHARGER OUTLET
	GARAGE DOOR POWER BUTTON
	DOORBELL BUTTON
	LED GARAGE, DEFORMABLE TRIPLE LIGHT
	DOORBELL CHIME
	INSTA-HOT EXTERIOR WATER HEATER

SMOKE DETECTOR GOES INSIDE BEDROOMS
SMOKE & CARBON MONOXIDE DETECTOR GOES IN COMMON AREAS



PERMIT SET
FOR CONSTRUCTION

COPYRIGHT NOTICE
© 2022 ZERO LATITUDE
THIS DRAWING IS THE PROPERTY OF ZERO LATITUDE INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ZERO LATITUDE INC. THE USER OF THIS DRAWING AGREES TO HOLD ZERO LATITUDE INC. HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE USE OF THIS DRAWING. THE USER OF THIS DRAWING AGREES TO INDEMNIFY AND HOLD ZERO LATITUDE INC. HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE USE OF THIS DRAWING. THE USER OF THIS DRAWING AGREES TO INDEMNIFY AND HOLD ZERO LATITUDE INC. HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE USE OF THIS DRAWING.

Revisions	Date
CITY COMMENTS	1 6/6/23

A NEW HOME BY ZERO LATITUDE HOMES
HIDEAWAY SPEC HOME
LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.
MERIDIAN CUSTOM HOMES

alboa
ENGINEERING
C.A. #00556
DANIEL SOUTER, P.E.
P.E.# 63901
P.O. BOX 547774
ORLANDO, FL 32854
PHONE: (407) 421-4866

meridian

Date	02-10-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by	YES
Interior Design & Owner	

ZERO LATITUDE

A11

ELECTRICAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT AND MANUFACTURER'S SPECIFICATIONS FOR CORRECT INSTALLATION. ELECT
2. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION. ALL INSTALLATIONS ARE TO BE CHECKED AS WORKING PRIOR TO OCCUPANCY CERTIFICATION.
3. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND WITH ALL LOCAL ORDINANCES HAVING JURISDICTION, PER 2017 NEC EDITION.
4. VERIFY LOCATION OF ALL OUTLETS, RECEPTACLES, SWITCHES, COAX CABLE, CAT 6 DATA, FIXTURES, ETC., WITH OWNER PRIOR TO ANY INSTALLATION.
5. ALL SECURITY SYSTEMS SHALL HAVE 3 PADS. VERIFY OWNER/CONTRACTOR AGREEMENT AND LOCATIONS OF PADS PRIOR TO ANY INSTALLATION.
6. ALL WORK TO BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
7. ALL MATERIAL SHALL BE NEW AND BEAR THE UNDERWRITERS LABEL (U.L.) WHERE APPLICABLE.
8. THE ELECTRICAL, TELEPHONE, DATA AND CABLE TELEVISION INSTALLATIONS SHALL MEET ALL REQUIREMENTS BY THE LOCAL UTILITY COMPANIES.
9. THE ELECTRICAL SYSTEM SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED IN ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE (NEC).
10. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
11. UNLESS OTHERWISE INDICATED, ALL RECEPTACLES, CABLE, DATA, AND TELEPHONE OUTLETS TO BE 18" A.F.F.
12. SMOKE DETECTORS ARE INTERCONNECTED AND TO HAVE BATTERY BACKUP, INSTALLED PER NFPA 72.29.8.3.4
13. ALL NON-GFI OUTLETS TO BE ON ARC-FAULT INTERRUPTERS
14. GFI OUTLETS LOCATION OUTDOORS ARE TO BE WATERPROOF & TAMPER-RESISTANT
15. GFI OUTLET LOCATED IN GARAGES, KITCHENS, AND BATHROOMS, SHALL BE TAMPER-PROOF.
16. ALL DETECTORS SHALL BE SMOKE/CARBON MONOXIDE COMBO, AND SHALL BE HARDWIRED AND INTERCONNECTED WITH BATTERY BACKUP, AND SHALL BE INSTALLED PER NFPA 72.29.8.3.4 - IN NO CASE SHALL MORE THAN 18 INITIATING DEVICES BE INTERCONNECTED OF WHICH 12 CAN BE SMOKE ALARMS WHERE THE INTERCONNECTING MEANS IS NOT SUPERVISED. PER NFPA 72.29.8.2 HOMES WITH A LARGE NUMBER OF BEDROOMS WHERE MORE THAN 12 SMOKE ALARMS OR CARBON MONOXIDE ALARM COMBINATION, WILL REQUIRE A SEPARATE PERMIT FOR A FIRE ALARM SYSTEM.
17. ELECTRICAL METER AN PANEL LOCATION MAY VARY AS PER SERVICE ENTRANCE LOCATION.
18. ALL WIRING TO BE COPPER.
19. IF CHOSEN BY OWNER, CONTRACTOR TO VERIFY LOCATION OF E.C.P. 240V ELECTRIC CHARGING PORT WITH OWNER PRIOR TO INSTALLATION. ELECTRIC CAR CHARGING STATION TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. VERIFY CHARGING STATION SPECIFICATIONS MATCH OWNERS VEHICLES.

NOTE: THIS DIAGRAMMATIC PLAN IS INTENDED TO SHOW LIGHTING AND CONVENIENCE OUTLETS ONLY. ZERO LATITUDE INC. WILL BEAR NO RESPONSIBILITY FOR ITS ACCURACY. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY THE REQUIREMENTS AND LOCATIONS OF ALL ELECTRICAL EQUIPMENT AND PROVIDE AND INSTALL COMPLETE ELECTRICAL SERVICES AS REQUIRED PRIOR TO COMMENCING WITH ANY INSTALLATION. ELECTRICAL CONTRACTOR TO SUBMIT PLAN AND PULL PERMIT.

FIRE-SMOKE ALARM SYSTEM

NFPA 72 29.5.1.3.1

All points on the ceiling shall have a smoke alarm within a distance of 30 ft (9.1 m) travel distance or shall have an equivalent of one smoke alarm per 500 ft2 (46 m2) of floor area.

- 29.5.1.1 - Where required by other governing laws, codes, or standards for a specific type of occupancy, approved single and multiple-station smoke alarms shall be installed as follows:
- (2) In all sleeping rooms and guest rooms
- (2) Outside of each separate dwelling unit sleeping area, within 21 ft. of any door to a sleeping room, with the distance measured along a path of travel
- (3) On every level of a dwelling unit, including basements
- (4) On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics
- (5) In the living area(s) of a guest suite
- (6) In the living area(s) of a residential board and care occupancy (small facility)

SECURITY SYSTEM

ELECTRICAL CONTRACTOR AND OR SECURITY SYSTEMS CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL DOORS AND WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL WILL BE EQUIPPED WITH AN EXIT ALARM THAT HAS A MINIMUM SOUND PRESSURE RATING OF 85 DECIBELS AT 10 FEET, PER THE REQUIREMENTS DESCRIBED IN FLORIDA STATUTES SECTIONS 515.21 - 515.37, THE RESIDENTIAL SWIMMING POOL SAFETY ACT.

29.5.1.2 - Where the area addressed in 29.5.1.1(2) is separated from the adjacent living areas by a door, a smoke alarm shall be installed in the area between the door and the sleeping rooms, and additional alarms shall be installed on the living area side of the door as specified by 29.5.1.1 and 29.5.1.3.

29.5.1.3 - In addition to the requirements of 29.5.1.1(i) through (3), where the interior floor area for a given level of a dwelling unit, excluding garage areas, is greater than 1000 ft2 smoke alarms shall be installed per 29.5.1.3.1 and 29.5.1.3.2.

29.5.1.3.1 - All points on the ceiling shall have a smoke alarm within a distance of 30 ft. travel distance or shall have an equivalent of one smoke alarm per 500 ft2 of floor area. One smoke alarm per 500 ft2 is evaluated by dividing the total interior square footage of floor area per level by 500 ft2

29.5.1.3.2 - Where dwelling units include great rooms or vaulted/cathedral ceilings extending over multiple floors, smoke alarms located on the upper floor that are intended to protect the aforementioned area shall be permitted to be considered as part of the lower floor(s) protection scheme used to meet the requirements of 29.5.1.3.1.

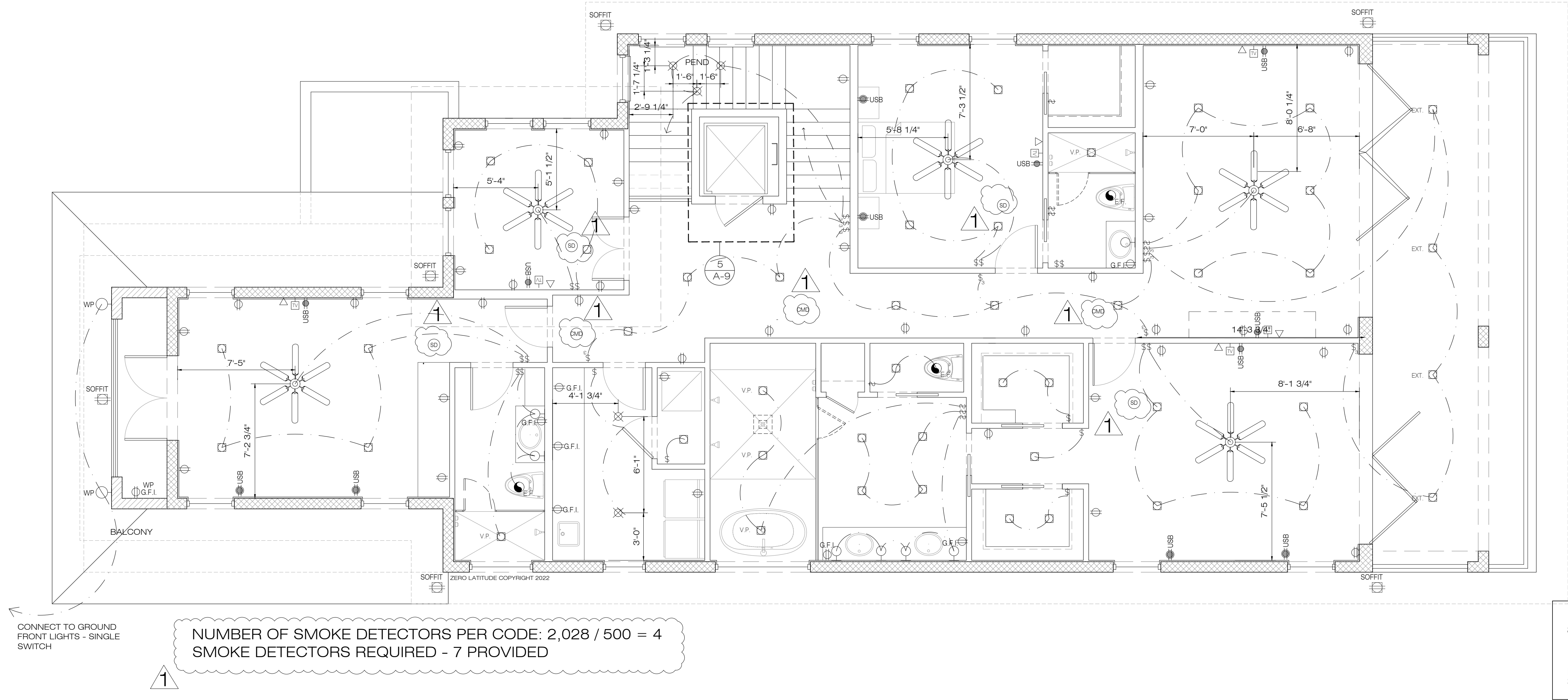
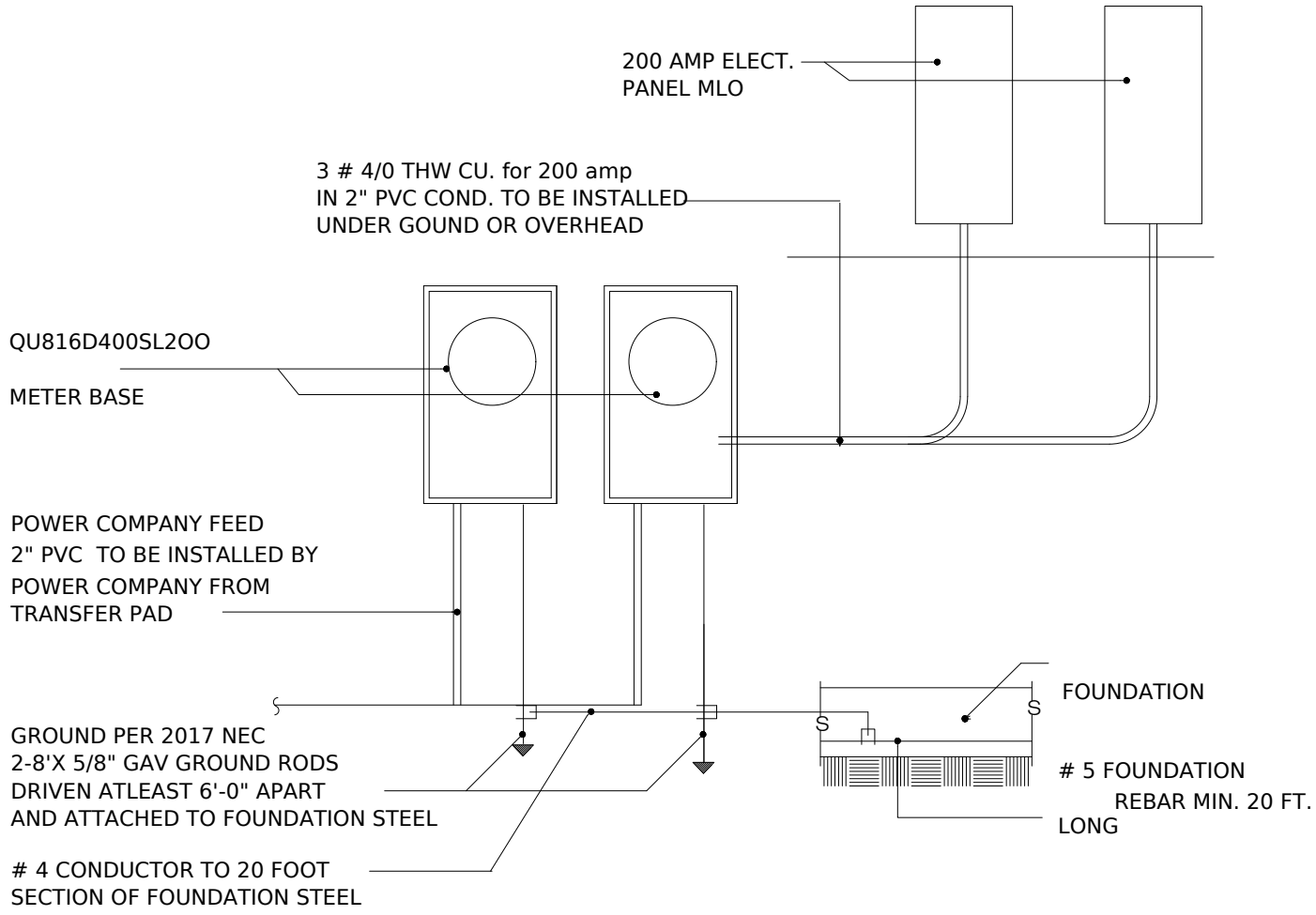
29.5.2.1.1 - Smoke and Heat Alarms. Unless exempted by applicable laws, codes, or standards, smoke or heat alarms used to provide a fire-warning function, and when two or more alarms are installed within a dwelling unit, suite of rooms, or similar area, shall be arranged so that the operation of any smoke or heat alarm causes all alarms within these locations to sound.

NOTE: A SUPERVISED FIRE ALARM SYSTEM IS REQUIRED TO BE INSTALLED PER NFPA 72.29.8.2 - A SEPARATE FIRE ALARM PERMIT IS REQUIRED. THE SYSTEM DESIGN, PERMIT APPLICATION AND INSTALLATION IS THE RESPONSIBILITY OF THE FIRE ALARM SYSTEM COMPANY. ZERO LATITUDE INC. WILL BEAR NO RESPONSIBILITY FOR ITS ACCURACY.

ELECTRICAL SYMBOLS LEGEND

	ELECTRIC METER
	ELECTRIC PANEL
	ELECTRICAL - A/C DISCONNECT
	DUPLEX OUTLET
	FLOOR OUTLET LOCATE PER OWNERS / BUILDER
	DUPLEX OUTLET -HALF SWITCHED
	WEATHER PROOF DUPLEX OUTLET
	G.F.I DUPLEX OUTLET
	220 VOLT RECEPTACLE
	TELEVISION JACK
	CAT 6 NETWORK
	CENTRAL VACUUM HOSE OUTLET
	WALL SWITCH
	3-WAY WALL SWITCH
	4-WAY WALL SWITCH
	DIMMER WALL SWITCH
	PUSH BUTTON WALL SWITCH
	CEILING MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	JUNCTION BOX
	TRACK LIGHTING
	HANGING LIGHT FIXTURE
	RECESSED LIGHT FIXTURE
	RECESSED HIGHLIGHTING LIGHT FIXTURE
	VAPOR RESISTANT RECESSED LIGHT FIXTURE
	EXTERIOR RECESSED LIGHT FIXTURE
	4' LONG FLUORESCENT LIGHT FIXTURE
	52\"/>
	FLOOD LIGHT
	THERMOSTAT
	FIRE ALARM CONTROL PANEL
	SMOKE DETECTOR
	SMOKE & CARBON MONOXIDE DETECTOR
	EXHAUST FAN CFM MIN 80
	CEILING OUTLET
	NEMA 14-50 (220V) ELECT CAR CHARGER OUTLET
	GARAGE DOOR POWER BUTTON
	DOORBELL BUTTON
	LED GARAGE, DEFORMABLE TRIPLE LIGHT
	DOORBELL CHIME
	INSTA-HOT EXTERIOR WATER HEATER

SMOKE DETECTOR GOES INSIDE BEDROOMS
SMOKE & CARBON MONOXIDE DETECTOR GOES IN COMMON AREAS



1
A12 ELECTRICAL 2ND FLOOR PLAN
SCALE: 1/4" = 1'-0"

PERMIT SET
FOR CONSTRUCTION

COPYRIGHT NOTICE
© 2022 ZERO LATITUDE
THIS PLAN IS PROVIDED AS A DIAGRAMMATIC REPRESENTATION OF THE DESIGN. IT IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE SIGNATURE OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED.

Revisions	#	Date
CITY COMMENTS	1	6/6/23

A NEW HOME BY ZERO LATITUDE HOMES
HIDEAWAY SPEC HOME
LOT 7 - SOUTH HARBOR DR., VERO BEACH, FL.
MERIDIAN CUSTOM HOMES

alba
ENGINEERING
CA #30556

DANIEL SOUTER, P.E.
P.E.# 63901
P.O. BOX 547774
ORLANDO, FL 32854
PHONE: (407) 421-4866

meridian

Date	02-10-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES

7
ZERO LATITUDE

A12