

A NEW HOME BY ZERO LATITUDE:

THE CASTAWAY

SOUTH HARBOR DRIVE - LOT 6
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- E1- E2-	COVER SHEET & DATA SITE PLAN PLUMBING/SLAB PLAN DIMENSIONED 1ST FLOOR DETAILED 1ST FLOOR DIMENSIONED 2ND FLOOR DETAILED 2ND FLOOR ELEVATIONS A ELEVATIONS B SECTIONS ROOF PLAN 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 754-41154	
S-1 S-2 S-3 S-4 S-5 S-6 S-7	GENERAL STRUCTURAL NOTES STRUCTURAL DETAILS FOUNDATION PLAN UNIT 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.	BUILDING DATA - LOT 6 THE CASTAWAY		TRUSS DESIGN: Builder's First Source 4550 Babcock Street Palm Bay, FL 32905 (321) 676-6196 ENGINEERING: ALBA ENGINEERING P.O. BOX 547774 ORLANDO, FL 32854 (407) 421-4866 DANIEL SOUTER, P.E. FL PE #63901	
		3. CONTRACTOR SHALL SUPPLY, LOCATE AND BUILD IN THE WORK ALL INSERTS, ANCHORS, ANGLES, PLATES, OPENINGS, SLEEVES, HANGERS, SUBS EXPRESSIONS, AND FITTINGS AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.	17. ALL SHEAR WALLS MUST TRANSFER LOADS TO FLOOR JOISTS OR FOUNDATION.				
		4. THESE DOCUMENTS, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE DESIGN/ENGINEER AND MAY NOT BE USED OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT OF THE DESIGN/ENGINEER.	18. DIAPHRAGM SYSTEMS MUST BE ATTACHED TO END WALLS AND/OR SIDE WALLS.	FIRST FLOOR1,770 SF		GARAGE499 SF	
		5. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION UNLESS WHERE IN THE WORK SITUATION WHERE A DIFFERENT DETAIL IS SHOWN.	19. TRUSSES MUST BE CAPABLE OF TRANSFERRING LATERAL LOADS TO BEARING WALLS.	SECOND FLOOR2,046 SF		ENTRY PORCH83 SF	
		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 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.	TOTAL AC AREA3,816 SF		LANAI451 SF	
		7. CONTRACTOR WILL INCORPORATE ALL NECESSARY LOCAL STATE/PERMIT, 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.			WIDOW-WALK BALCONY314 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.			REAR BALCONY351 SF	
		9. CONTRACTOR SHALL HAUL ALL RUBBER 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 BROOM FINISH.				
		10. CONTRACTOR TO OBTAIN ALL PERMITS AND TO PAY ALL FEES AND TAXES.	24. REFER TO TUBSHOWER 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, SPACES, LEVELS, ELEVATIONS OR OTHER CONDITIONS OF LIMITATIONS AT THE SITE TO AVOID CONSTRUCTION ERRORS. 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, 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 32-36" AFF IN BATHROOM WALLS ABOVE WATER CLOSET, TUBSHOWER 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. FOAM PLASTIC MATERIALS TO MEET THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE RESIDENTIAL.				
			33. PROTECTION OF WOOD DECAY TO MEET THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE RESIDENTIAL.				
			34. PROVIDE HANDICAP 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. TERMINATE TRIMMING AND PROTECTION TO MEET THE REQUIREMENT OF SECTION R-319 OF THE FBC.				
			37. FINISHED FLOOR TO MINIMUM 12" ABOVE CROWN OF ROAD.				
			38. FINISHED FLOOR TO MINIMUM 8" ABOVE GRADE.				

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Revisions	City Comments	#	Date
		1	06/30/23

A NEW HOME BY ZERO LATITUDE HOMES

CASTAWAY SPEC HOME

S. HARBOR DR. LOT 6 - VERO BEACH, FLORIDA

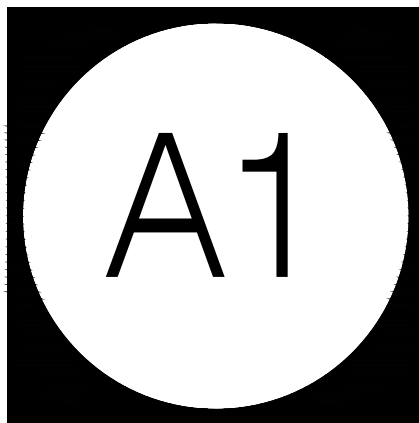
MERIDIAN CUSTOM HOMES

alba
ENGINEERING

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



Date	01-26-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	01YES



PERMIT SET
FOR CONSTRUCTION

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

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.

Landscaping design by others.

1/8"=1'-0"



A2

1	06/30/23
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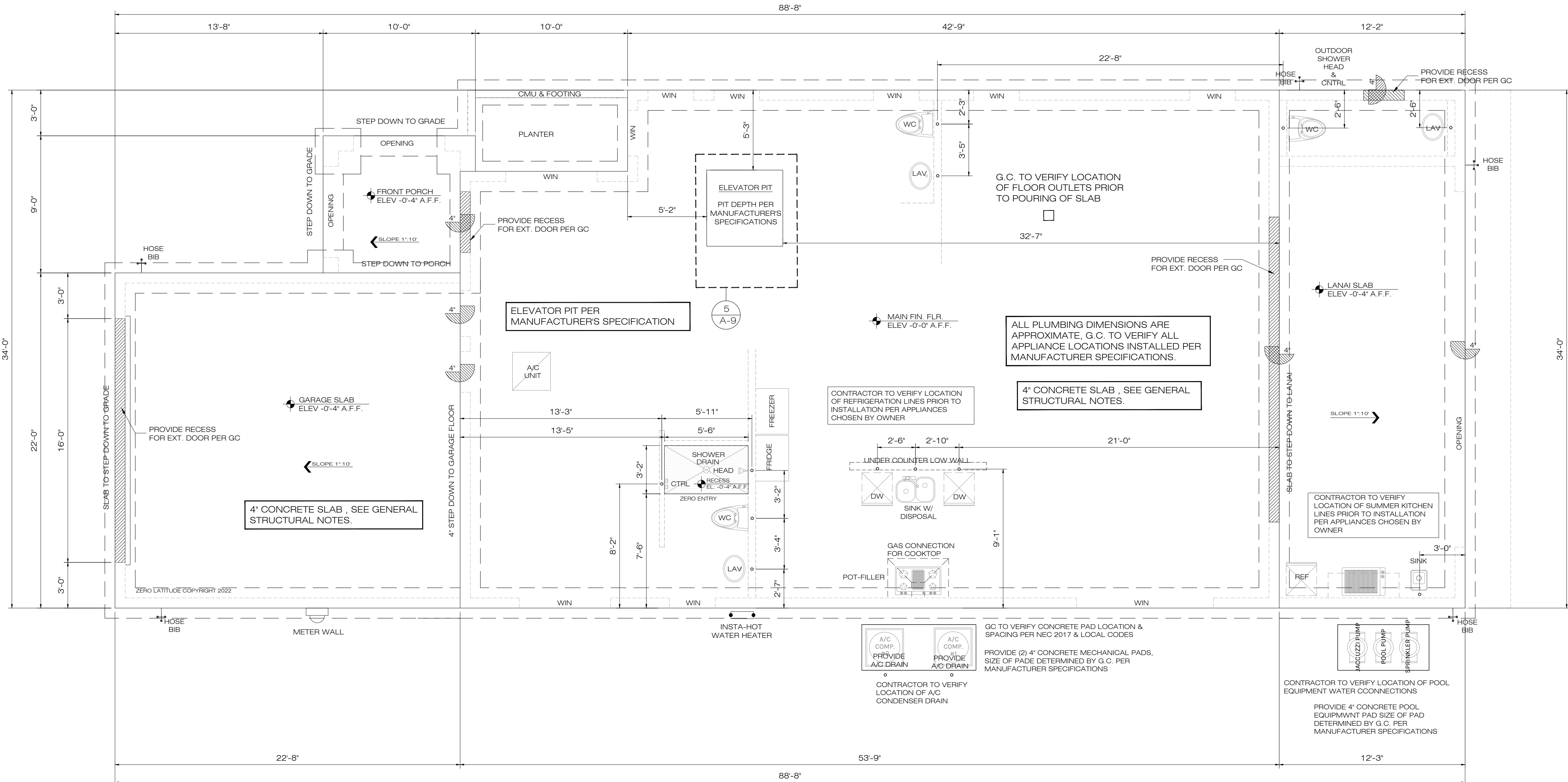
City Comments

alpa
ENGINEERING
C.A. #30556



te	01-26-23
ject #	22-026
wn by	FVC
hecked by	JH/DS
iewed by rior Design wner	04 YES





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

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.

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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	01-26-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES

7
ZERO LATITUDE

A3

PERMIT SET
FOR CONSTRUCTION

EGRESS WINDOWS

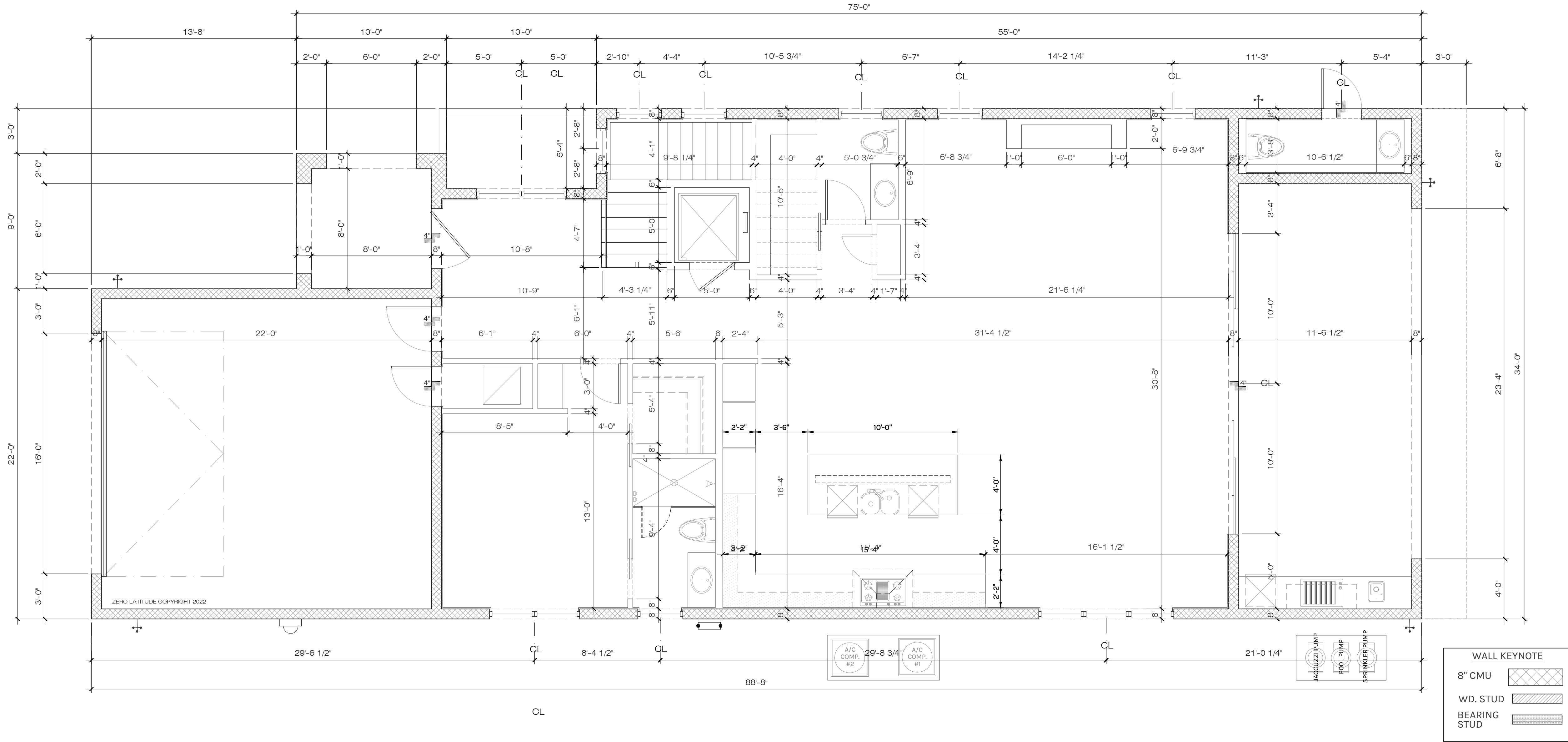
MEAN OF ESCAPE NOTE (EGRESS):

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"

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PHONE: (407) 421-4866



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Checked by	JH/DS
Reviewed by Interior Design & Owner	04 YES



A4

EGRESS WINDOWS

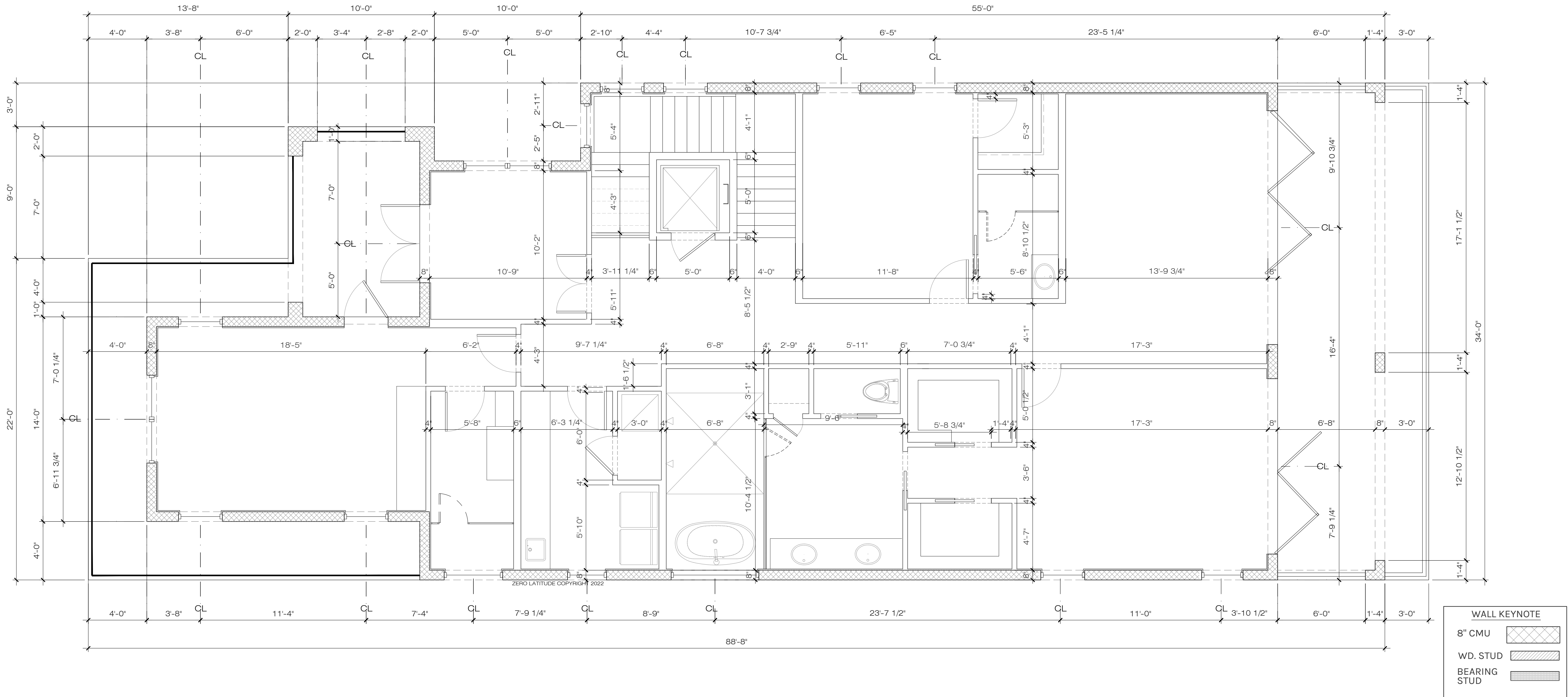
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A6 SCALE: 1/4" = 1'-0"

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



Date	01-26-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	06 YES

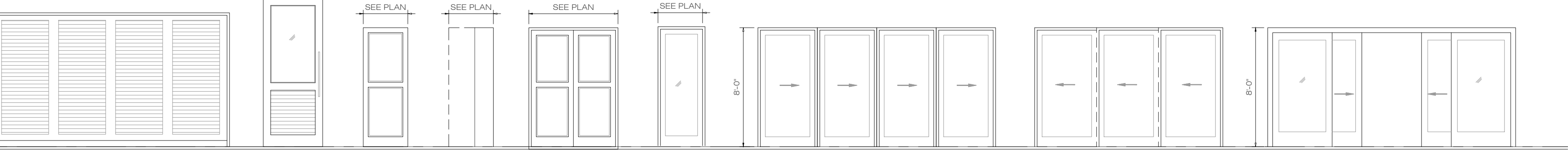


CASTAWAY - WINDOW SCHEDULE						
UNIT #.	UNIT SIZE	TYPE	TOP OF WINDOW	LOCATION	E.E.R.O.	REMARKS
SECOND FLOOR						
2A	(2)36" x 72"	H	9'-0" A.F.F.	BEDROOM 4	YES	CASEMENT
2B	36" x 72"	J	9'-0" A.F.F.	BEDROOM 4		FIXED
2C	36" x 72"	J	9'-0" A.F.F.	BEDROOM 4		FIXED
2D	48" x 24"	K	8'-0" A.F.F.	BATH 4		FIXED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

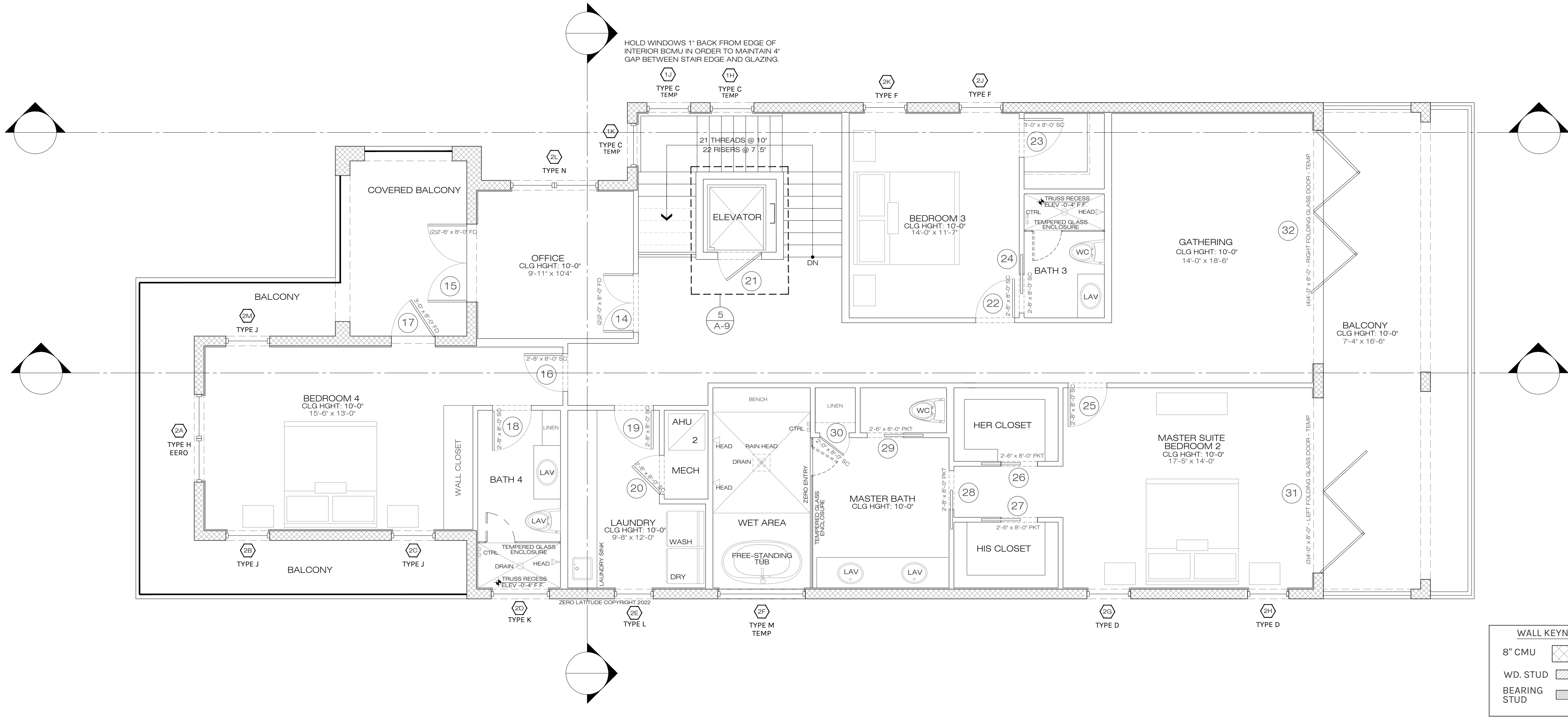
CASTAWAY - DOOR SCHEDULE							
UNIT #.	WIDTH	HEIGHT	THKS.	MATERIALS	FRAME	DOOR TYPE	LOCATION
SECOND FLOOR							
14	(2)2'-0"	8'-0"	1 1/2"	WOOD/GLASS	WOOD	F	OFFICE - ENTRY
15	(2)2'-6"	8'-0"	1 1/2"	WOOD/GLASS	WOOD	F	OFFICE - BALCONY
16	2'-8"	8'-0"	1 1/2"	SC	WOOD	C	BEDROOM 4 - ENTRY
17	3'-0"	8'-0"	1 1/2"	WOOD/GLASS	WOOD	F	BEDROOM 4 - BALCONY
18	2'-8"	8'-0"	1 1/2"	SC	WOOD	C	BATH 4 - ENTRY
19	2'-8"	8'-0"	1 1/2"	SC	WOOD	C	LAUNDRY - ENTRY
20	2'-8"	8'-0"	1 1/2"	SC	WOOD	C	LAUNDRY - MECHANICAL
21	3'-0"	8'-0"	1 1/2"	SC	WOOD	C	ELEVATOR MANUF. SPECS.
22	2'-8"	8'-0"	1 1/2"	SC	WOOD	D	BEDROOM 3 - ENTRY
23	2'-8"	8'-0"	1 1/2"	SC	WOOD	C	BEDROOM 3 - WIC
24	2'-8"	8'-0"	1 1/2"	SC	WOOD	D	BATH 3 - ENTRY
25	2'-8"	8'-0"	1 1/2"	SC	WOOD	C	MASTER SUITE - ENTRY
26	2'-6"	8'-0"	1 1/2"	SC	WOOD	D	MASTER SUITE - HER CLOSET
27	2'-6"	8'-0"	1 1/2"	SC	WOOD	D	MASTER SUITE - HIS CLOSET
28	2'-8"	8'-0"	1 1/2"	SC	WOOD	D	MASTER BATH - ENTRY
29	2'-6"	8'-0"	1 1/2"	SC	WOOD	D	MASTER BATH - WC
30	2'-0"	8'-0"	1 1/2"	SC	WOOD	C	MASTER BATH - LINEN
31	(3)4'-0"	8'-0"	1 1/2"	ALUMINUM/GLASS	ALUMINUM	H	MASTER SUITE - BALCONY
32	(4)4'-0"	8'-0"	1 1/2"	ALUMINUM/GLASS	ALUMINUM	G	MASTER SUITE - 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 (MIAMI-DADE COUNTY) AND LOCAL ORDINANCES FOR HURRICANE REQUIREMENTS.



DOOR ELEVATIONS



1
A7
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 PUI-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.

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Date
1 06/30/23

Revisions
City Comments

A NEW HOME BY ZERO LATITUDE HOMES
CASTAWAY SPEC HOME
S. HARBOR DR. LOT 6 - VERO BEACH, FLORIDA
MERIDIAN CUSTOM HOMES

alba
ENGINEERING
CA. #00556

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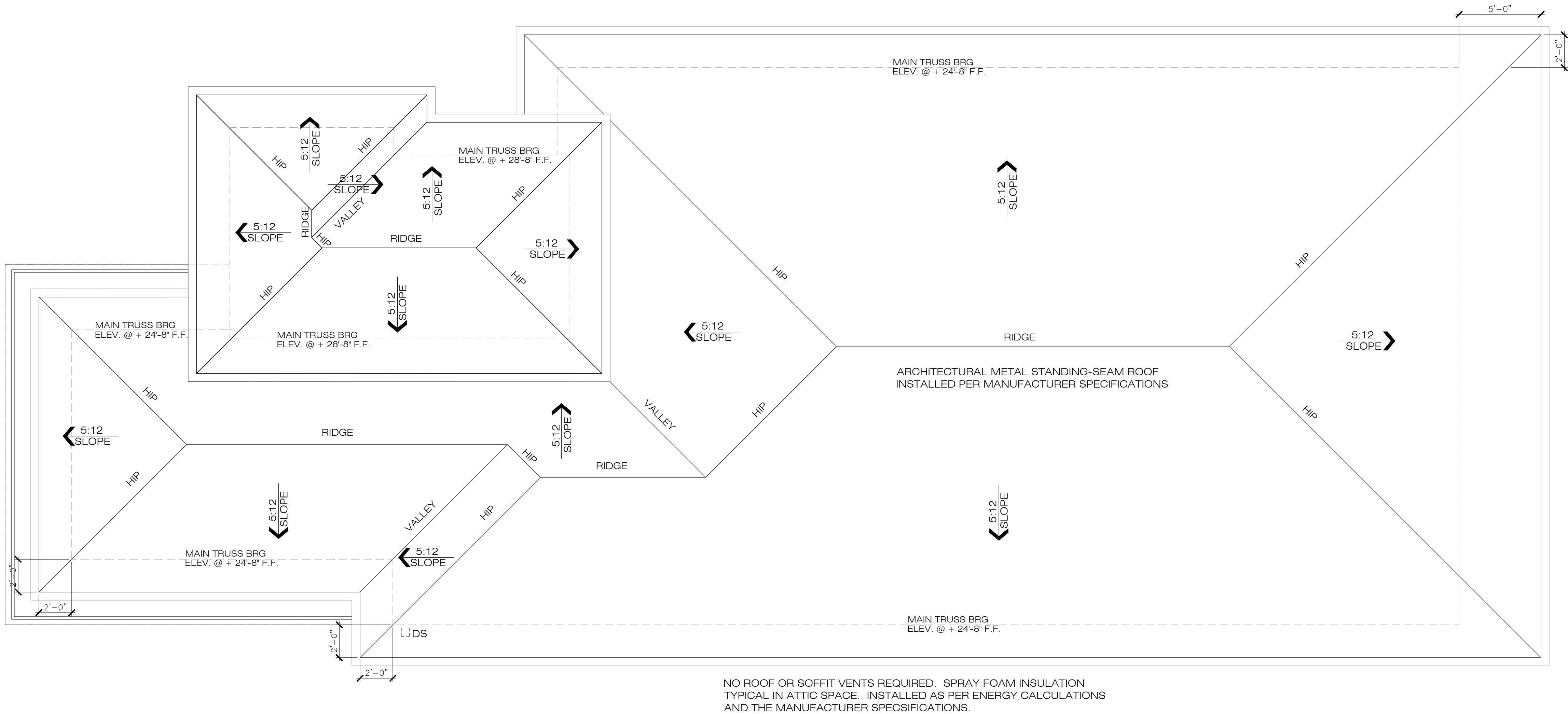
meridian

Date	01-26-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	07/YES



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.

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CASTAWAY SPEC HOME
S. HARBOR DR. LOT 6 - VERO BEACH, FLORIDA
MERIDIAN CUSTOM HOMES

alba
ENGINEERING
C.A. #30556

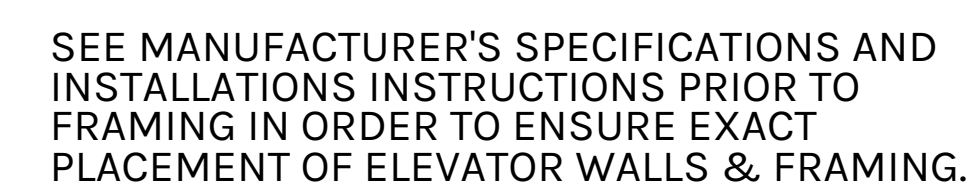
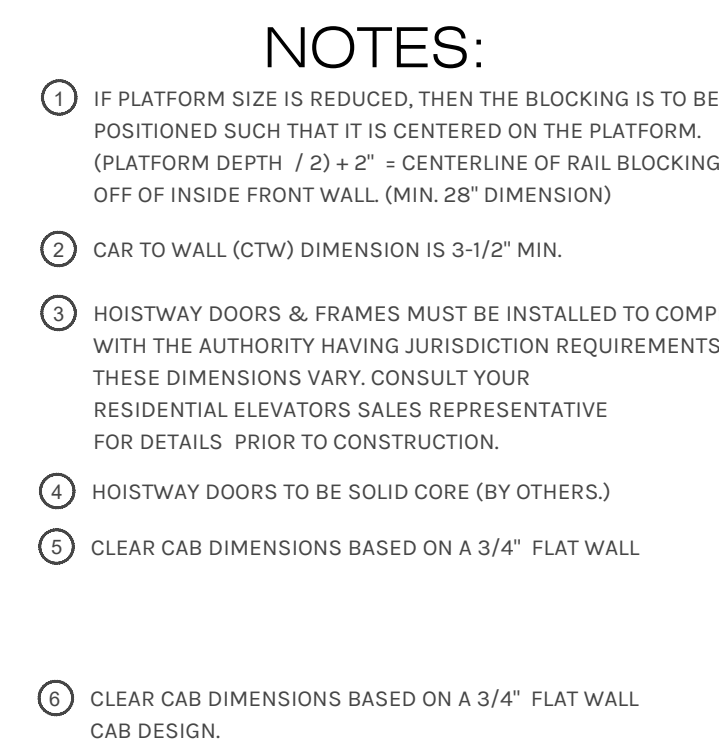
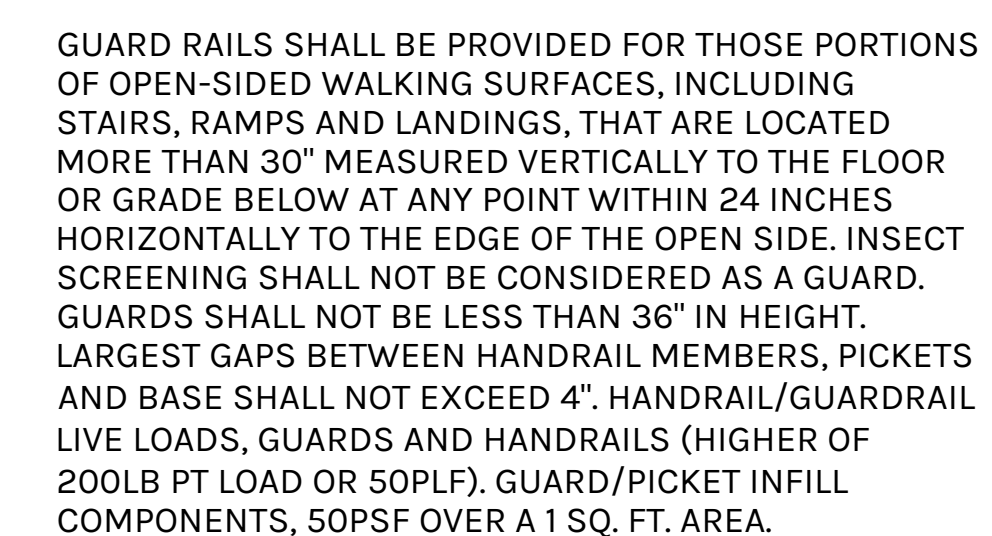
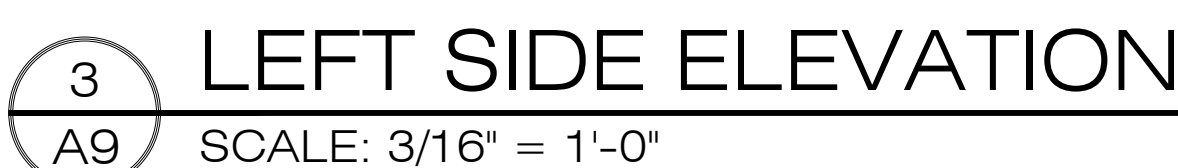
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A8



NOTE: CONTRACTOR TO VERIFY ALL ELEVATIONS PRIOR
TO CONSTRUCTION AND CONTACT
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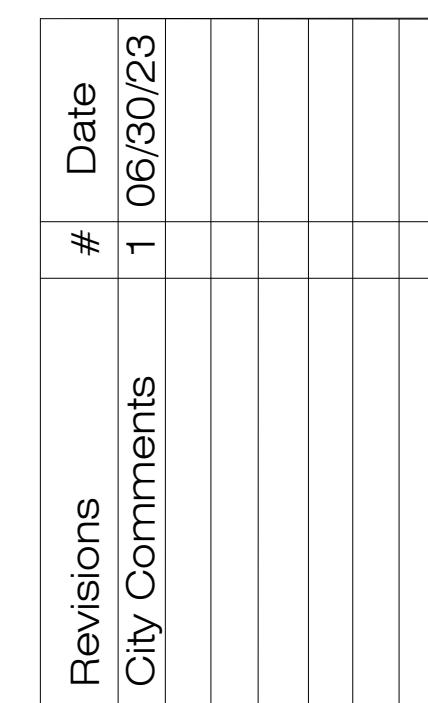
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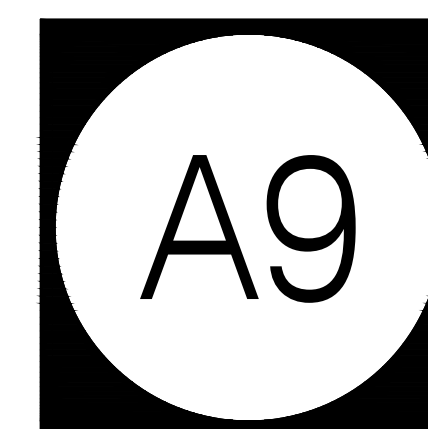
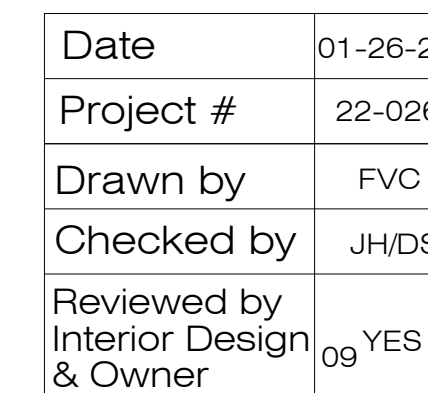
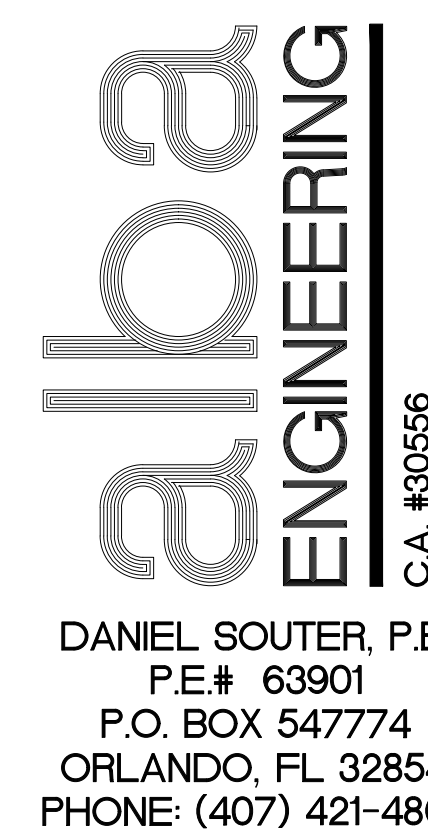
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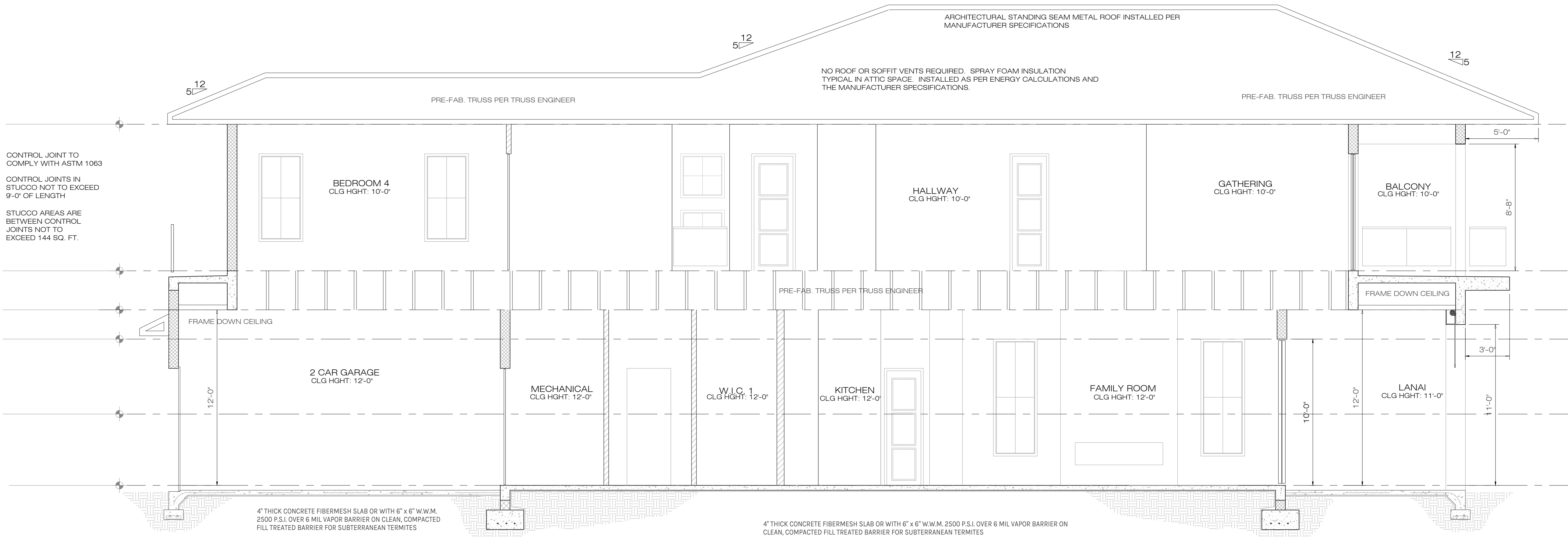
- TYPICAL 5/8" SMOOTH STUCCO FINISH @ C.M.U. WALLS
- TYPICAL 7/8" SMOOTH STUCCO FINISH @ FRAM WALLS OVER EXPANDED METAL OR FIBERGLASS LATH, OVER #15 BUILDING PAPER, OVER TYVEK HOMEWRAP (OR EQUAL).

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

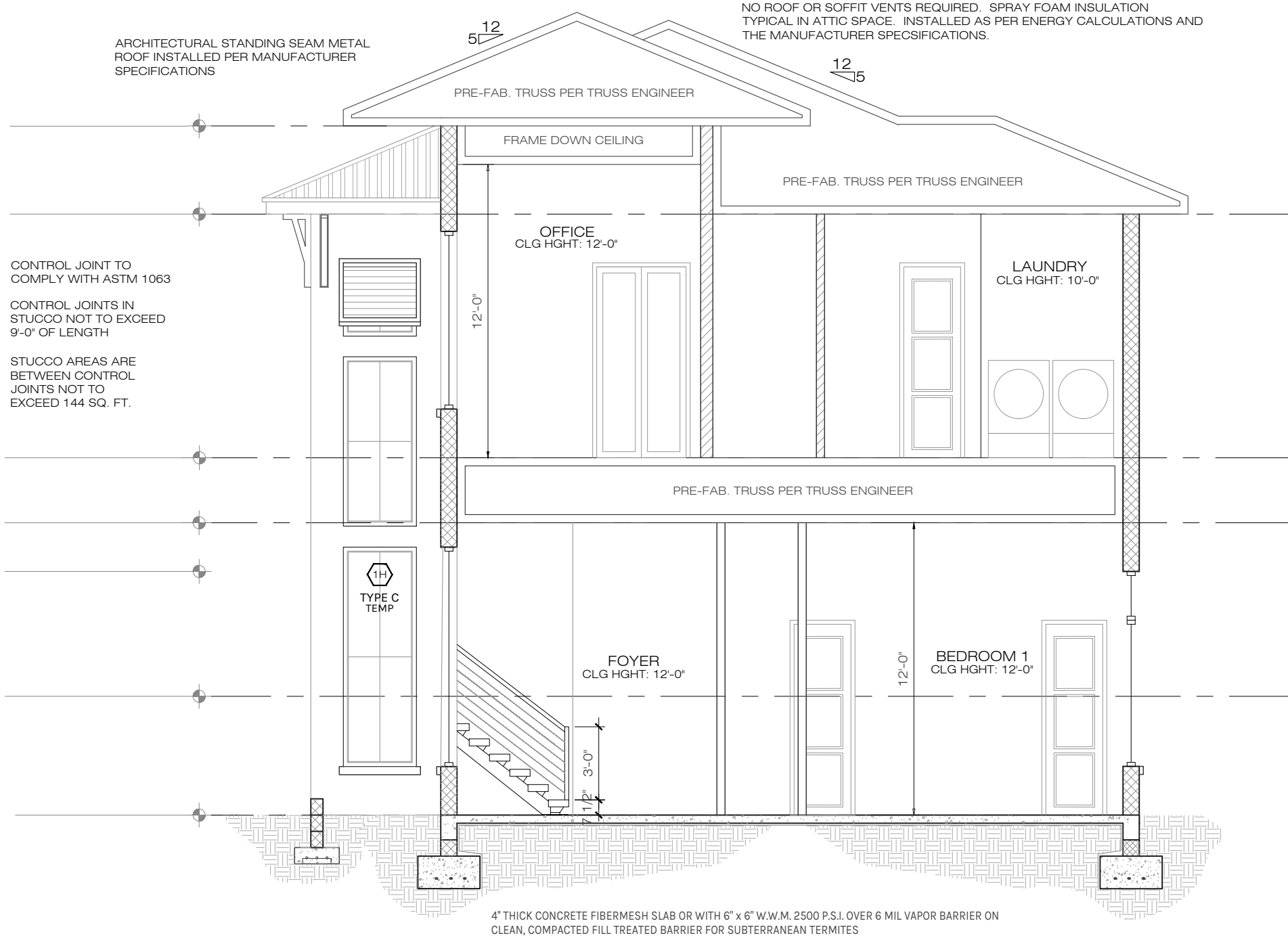


A NEW HOME BY ZERO LATITUDE HOMES
CASTAWAY SPEC HOME
 6, HARBOR DR. LOT 6 - VERO BEACH, FLORIDA
 MERIDIAN CUSTOM HOMES

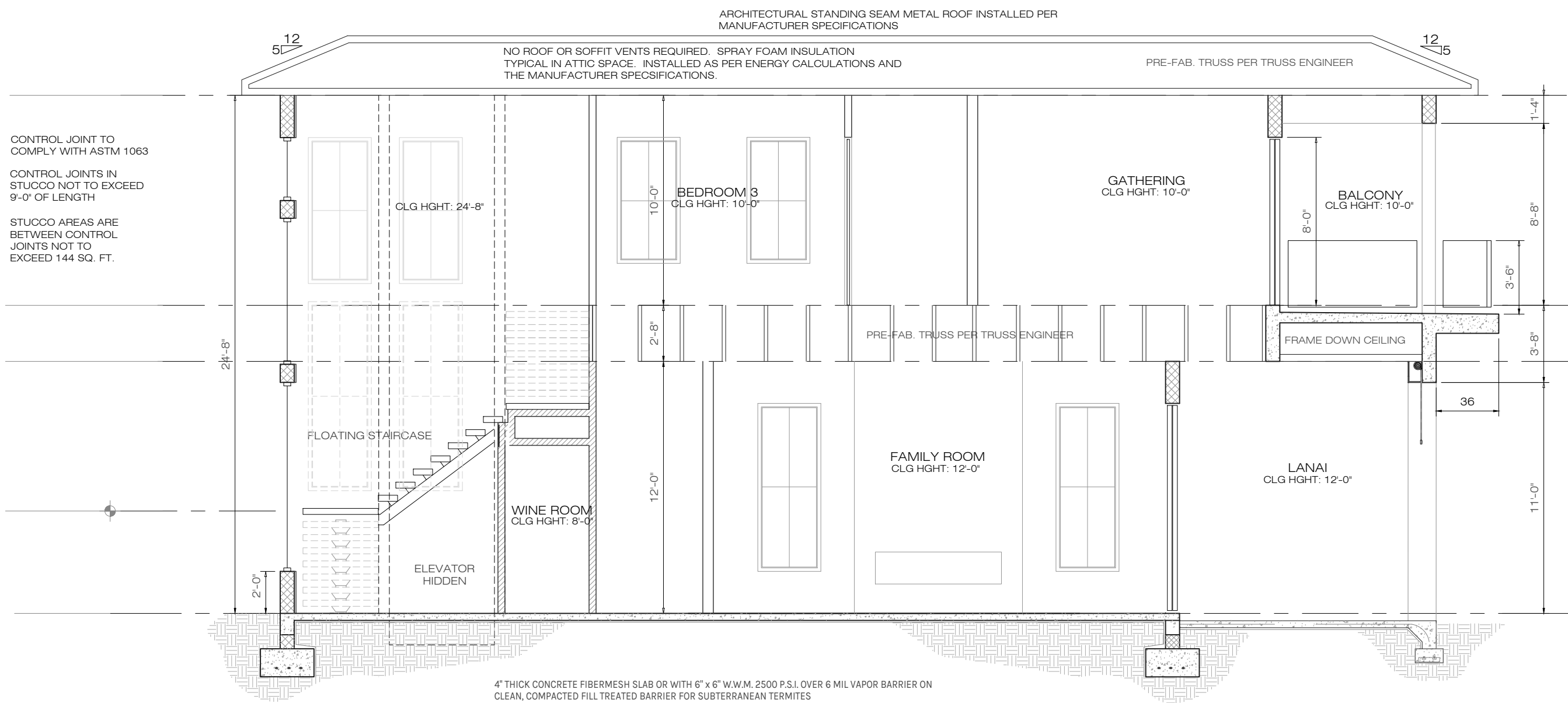




1 BUILDING SECTION
A10 SCALE: 1/4" = 1'-0"



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



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

FOUNDATIONS WILL BE SLAB ON STEM WALL CONSTRUCTION

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

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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.

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Date	01-26-23
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Checked by	JH/DS
Reviewed by Interior Design & Owner	10 YES



A10

PERMIT SET
FOR CONSTRUCTION

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 GROUNDING 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 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 IT'S 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

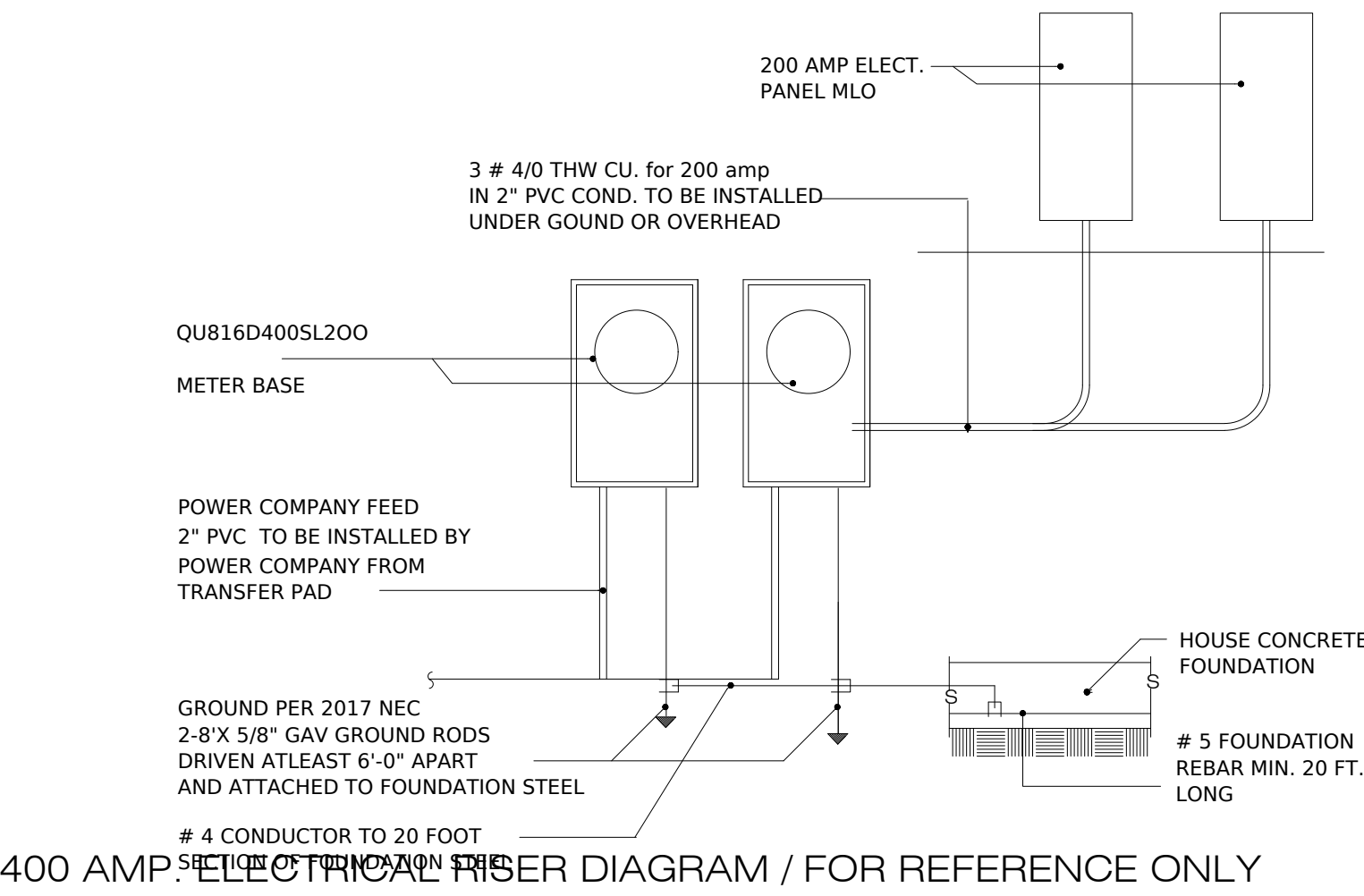
ELECTRICAL CONTRACTOR AND OR SECURITY SYSTEMS CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL DOORS AND WINDOWS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL WILL BE EQUIPPED WITH AN EXIT ALARM THAT HAS A MINIMUM SOUND PRESSURE RATING OF 85 DECIBELS AT 10 FEET, PER THE REQUIREMENTS DESCRIBED IN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

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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
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	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



400 AMP ELECTRICAL RISER DIAGRAM / FOR REFERENCE ONLY

DESIGN WITH AN ELECTRICAL RISER DIAGRAM AND LOAD CALCULATIONS IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR, AND SHALL VERIFY PANEL AMPERAGE IS CORRECT PRIOR TO COMMENCING ANY ELECTRICAL WORK.

N.T.S.

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

Revisions	Date	#	City	Comments
	1	06/30/23		

A NEW HOME BY ZERO LATITUDE HOMES
CASTAWAY SPEC HOME
S. HARBOR DR. LOT 6 - VERO BEACH, FLORIDA
MERIDIAN CUSTOM HOMES

alba
ENGINEERING
C.A. #30556

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



Date	01-26-23
Project #	22-026
Drawn by	FVC
Checked by	JH/DS
Reviewed by Interior Design & Owner	YES



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 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.

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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

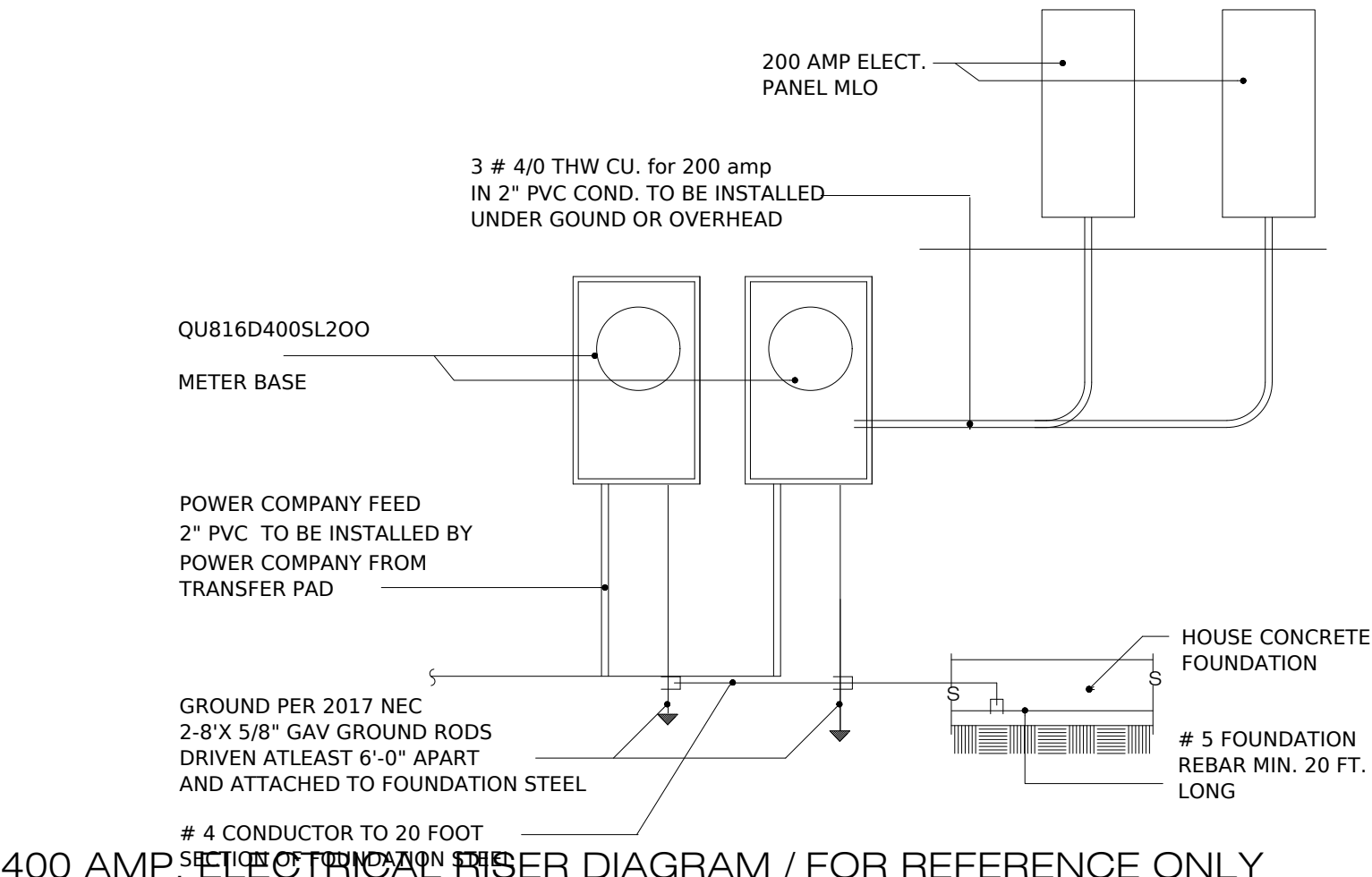
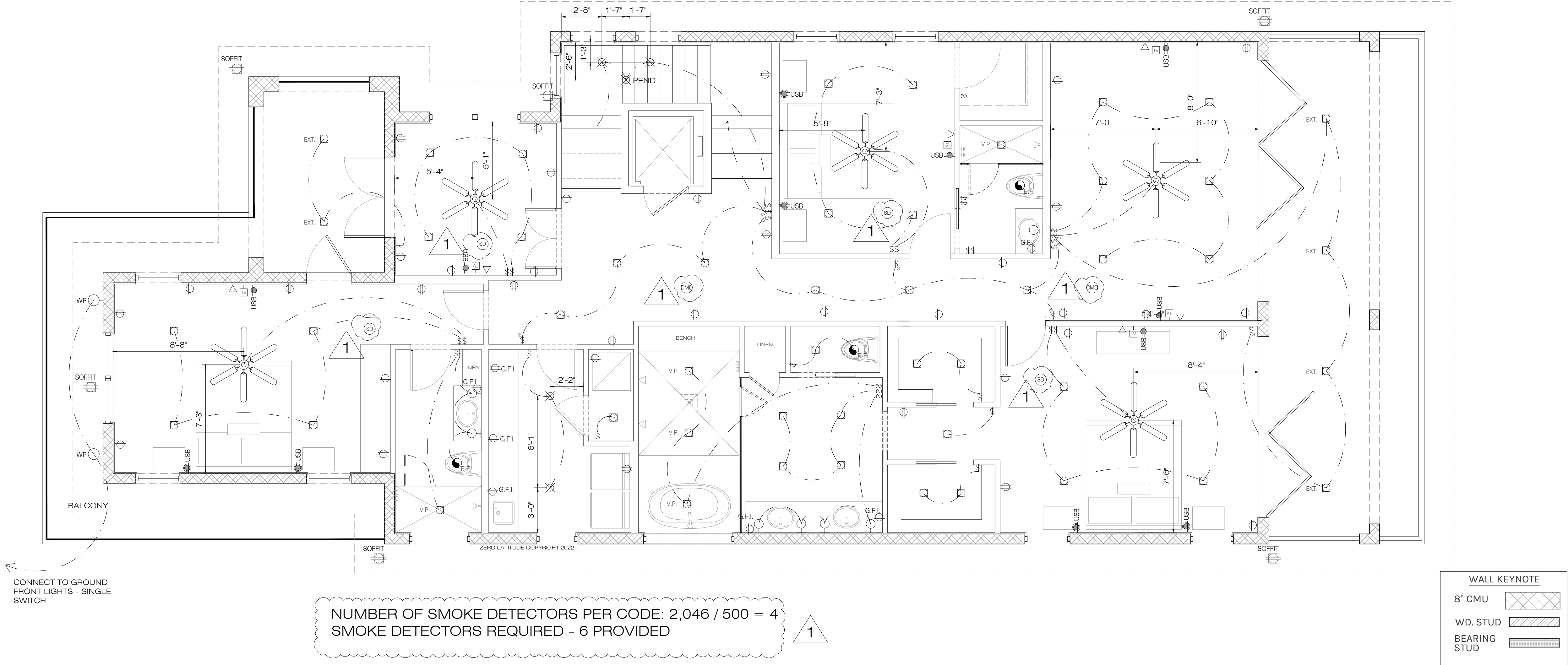
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1 ELECTRICAL 2ND FLOOR PLAN
A12 SCALE: 1/4" = 1'-0"

PERMIT SET
FOR CONSTRUCTION

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MERIDIAN CUSTOM HOMES

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meridian

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Reviewed by Interior Design & Owner	YES

ZERO LATITUDE

A12