## GENERAL NOTES ALL GRAB BARS ARE 1.50" ROUND AND CAPABLE OF SUPPORTING 250 lbs. LEVER HANDLE CONTROL SHALL BE PROVIDED AT LAVATORIES. 110" F MAXIMUM WATER TEMP. INSULATE ALL EXPOSED PIPES UNDER LAVATORIES. 3) HANDICAP TOILETS PROVIDED ARE ELONGATED WATER SAVER(1.5 GAL) CADET WITH NON ABSORBENT OPEN FRONT SEAT. 4) HANDICAP ACCESS REQUIREMENTS (RAMPS, RAILINGS, LANDINGS, ETC.) TO BE PROVIDED AND INSTALLED ON SITE BY OTHERS. 5) THE USE OF THIS BUILDING WITHOUT THE MINIMUM REQUIRED PLUMBING FACILITIES IS SUBJECT TO LOCAL APPROVAL. 6) REST ROOM WALLS TO BE COVERED WITH NON ABSORBENT MATERIAL.(VINYL) REST ROOM FLOORS TO BE COVERED WITH WATER RESISTANT MATERIAL (TILE) 7) HALL/EXIT ACCESS WALL COVERING TO BE CLASS "A" MATERIAL MINIMUM.(GYP) 8) LEVER HANDLES ARE PROVIDED ON ALL DOORS. 9) ALL ITEMS REQUIRED UNDER PART III-28 CFR 36 TO BE PROVIDED ON SITE BY OWNER OCCUPANT 10) DRINKING WATER FACILITIES TO BE PROVIDED AND INSTALLED ON SITE BY OTHERS. 11) ALL INTERIOR DOORS (EXCEPT BATH, IF APPLICABLE) ARE UNDERCUT ONE INCH FOR RETURN AIR. 12) ALL SURFACES IN PLENUM CAVITY AND BETWEEN RETURN AIR GRILLES TO BE LINED WITH CLASS "A" MATERIAL. ELECTRICAL NOTES: (1) SERVICE DISCONNECT MEANS TO BE SITE INSTALLED BY FIELD ELECTRICIAN. (2) PRIOR TO ENERGIZING THE ELECTRICAL SYSTEM, THE

# INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED AS BEING IN COMPLIANCE WITH SECTION 110-9 OF THE NEC BY A LOCAL ELECTRICAL CONSULTANT. (3) THE MAIN ELECTRICAL PANEL, FEEDERS AND RACEWAYS ARE DESIGNED BY OTHERS, SITE INSTALLED AND SUBJECT TO LOCAL JURISDICTION APPROVAL (4) ALL CIRCUITS TO BE 20AMP 12-2 WIRE WITH GROUND UNLESS NOTED OTHERWISE. (5) RECESSED LIGHT FIXTURES MUST BE IC RATED. (6) EXTERIOR LIGHT FIXTURES MUST PROVIDE AT LEAST 45 LUMENS PER WATT. ELECTRICAL PANEL BOX w/ 2" ent conduit 4'-0" 2-tube flourescent w/ lens (2-32w bulbs) lighted exit sign w/ battery back-up EXIT exterior w.p. porch light w/ photo-cell LW.P. 120v. standard recept 120v. gfi recept (@ 44" aff) 120v exterior ground fault recept w.P. 120v standard switch 2

(2) 4"X4" J-B□XES € 80" AFF

FOR SITE INSTALLED ALARM SYSTEM.

LEVELS. (I-2, I-5, I-7)

BETWEEN MODULES. (1-3)

w/ CONDUIT STUBBED THRU FLOOR

BY EACH EXTERIOR DOOR IS A 4'x4' J-BOX @ 80' A.F.F. WITH CONDUIT TO A 2'x4' J-BOX @ 46' A.F.F. WITH CONDUIT THRU THE FLOOR

THE FOLLOWING DETAILS CAN BE FOUND ON THE

E) ELECTRICAL CONNECTIONS BETWEEN MODULES.

USE OF THIS BUILDING WITHOUT ADEQUATE PLUMBING FACILITIES IS SUBJECT TO APPROVAL BY THE JURISDICTION HAVING

F) ELIMINATION OF AIR INFILTRATION. (1-4)

LISTED PAGES OF THE INSTALLATION INSTRUCTIONS:

A) LATERAL AND VERTICAL CONNECTION SPECS FOR

B) ROOF SET-UP AND CONNECTION SPECS. (I-4, I-7)

BUILDING MODULES AT FLOOR, WALL, AND CEILING

VERTICAL AND HORIZONTAL PLUMBING CONNECTIONS

D) VERTICAL AND HORIZONTAL MECHANICAL CONNECTIONS.

#### ACCESSIBILITY NOTES:

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILTY SIGN SHALL BE DISPLAYED AT ALL ACCESSIBLE RESTROOM FACILITIES AND AT ACCESSIBLE BUILDING ENTRANCES UNLESS ALL ENTRANCES ARE ACCESSIBLE. INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNS INDICATING THE ROUTE TO THE NEAREST ACCESSIBLE ENTRANCE.

2. ACCESSIBLE DRINKING FOUNTAINS SHALL HAVE A SPOUT HEIGHT NO HIGHER THAN 36 INCHES ABOVE THE FLOOR AND EDGE OF BASIN NO HIGHER THAN 34 INCHES ABOVE THE FLOOR FOR INDIVIDUALS IN WHEELCHAIRS. ADDITIONALLY, DRINKING WATER PROVISIONS SHALL BE MADE FOR INDIVIDUALS WHO HAVE DIFFICULTY IN BENDING.

3. WHERE STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS, AND DRAWERS ARE PROVIDED AT LEAST ONE OF EACH TYPE PROVIDED SHALL CONTAIN STORAGE SPACE COMPLYING WITH THE FOLLOWING: DOORS, ETC. TO SUCH SPACES SHALL BE ACCESSIBLE (IB. TOUCH LATCHES, U-SHAPED PULLS); SPACES SHALL BE WITHIN 15 INCHES MINIMUM AND 48 INCHES MAXIMUM OF THE FLOOR FOR FORWARD REACH OR 9 INCHES MINIMUM AND 54 INCHES MAXIMUM OF THE FLOOR FOR SIDE REACH; CLOTHES ROOS SHALL BE AMAXIMUM OF 54 INCHES ABOVE THE FLOOR (48 INCHES MAXIMUM WHEN DISTANCE FROM WHEELCHAIR TO ROD EXCEEDS 10 INCHES).

4. CONTROLS, DISPENSERS, RECEPTACLES AND OTHER OPERABLE EQUIPMENT SHALL BE NO ADDITIONAL BE MOUNTED.

ABOVE THE FLOOR FOR SIDE APPROACH. RECEPTACLES ON WALLS SHALL BE MOUNTED NO LESS THAN 15 INCHES ABOVE THE FLOOR. EXCEPTION: HEIGHT LIMITATIONS DO NOT APPLY WHERE THE USE OF SPECIAL EQUIPMENT DICTATES OTHERWISE OR WHERE ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.

ELECTRICAL RECEPTACLES ARE NOT NORMALLY INTENDED FOR USE BY BUILDING OCCUPANTS.

5. WHERE EMERGENCY WARNING SYSTEMS ARE PROVIDED, THEY SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. THE VISUAL ALARMS SHALL BE LOCATED THROUGHOUT, INCLUDING RESTREOMS, AND PLACED 80 INCHES ABOVE THE FLOOR OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER.

6. ALL DOORS SHALL BE OPENABLE BY A SINGLE EFFORT. THE MAXIMUM FORCE REQUIRED TO OPEN A DOOR SHALL NOT EXCEED 8.5 LBS. FOR EXTERIOR SWINGING DOORS.

7. FLOOR SHALLS SHALL BE STABLE, FIRM, AND SUP-RESISTANT. CHANGES IN LEVEL BETWEEN 0.25 INCH AND 0.5 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1.2. CHANGES IN LEVEL GREATER THAN 0.5 INCH AND O.5 INCH WAS SHALL BE REVELED WITH A SLOPE NO GREATER THAN 0.5 INCH WIDE IN ONE DIRECTION. DOORWAY THRESHOLDS SHALL NOT EXCEED 0.5 INCH IN HEIGHT.

8. ACCESSIBLE WATER CLOSETS SHALL BE 17 INCHES TO 19 INCHES FROM THE FLOOR TO THE TOP OF THE SEAT. GRAB BARS SHALL BE 36 INCHES LONG MINIMUM WHEN LOCATED BEHIND WATER CLOSET AND 42 INCHES MINIMUM WHEN LOCATED ALONG SIDE OF WATER CLOSET, AND SHALL BE MOUNTED 33 INCHES TO 36 INCHES ABOVE THE FLOOR.

9. ACCESSIBLE URINALS SHALL BE STALL—TYPE OR WALL HUNG WITH ELONGATED RIMS AT A MAXIMUM OF 17 INCHES ABOVE THE FLOOR.

1. ACCESSIBLE LAVATORIES SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 29 INCHES ABOVE THE FLOOR TO THE BOTTOM OF THE APRON.

1. ACCESSIBLE SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE FLOOR AND A CLEARANCE OF AT LEAST 29 INCHES ABOVE THE FLOOR TO THE BOTTOM OF THE APRON.

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3. ACCESSIBLE SINKS SHALL BE MOUNTED WITH THE RIM NO HIGHER THAN 34 INCHES ABOVE THE

MAXIMUM.

12. HOT WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERMISE CONFIGURED TO PROTECT AGAINST CONTACT. INSULATION OR PROTECTION MATERIALS MAY BE SITE INSTALLED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.

OR ABRASIVE SURFACES UNDER ACCESSIBLE LAVATORIES AND SINKS.

13. ACCESSIBLE LAVATORIES AND SINKS SHALL HAVE ACCESSIBLE FAUCETS (ie. LEVER-OPERATED, PUSH-TYPE, ELECTRONICALLY CONTROLLED).

14. WHERE MIRRORS ARE PROVIDED IN REST ROOM, AT LEAST ONE SHALL BE PROVIDED WITH ITS BOTTOM EDDE NO HIGHER THAN 40 INCHES ABOVE THE FLOOR.

15. WHERE MEDICINE CABINETS ARE PROVIDED, AT LEAST ONE SHALL BE LOCATED WITH A USABLE SHELF NO HIGHER THAN 44 INCHES ABOVE THE FLOOR.

16. GRAB BARS REQUIRED FOR ACCESSIBILITY SHALL BE 1.25 INCHES TO 1.5 INCHES IN DIAMETER WITH 1.5 INCHES CLEAR SPACE BETWEEN THE BAR AND THE WALL.

WATER CLOSET FLUSH CONTROL SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET ARE DOORS TO ALL ACCESSIBLE SPACES SHALL HAVE ACCESSIBLE HARDWARE (I.e. LEVER-OPERATED, PUSH-TYPE, U-SHAPED) MOUNTED NO HIGHER THAN 48 INCHES ABOVE THE FLOOR.

19. TOILET STALL DOORS SHALL BE THE SELF-CLOSING TYPE (IF REQUIRED BY OWNER/OCCUPANT)
20. A TOWEL DISPENSER SHALL BE LOCATED ADJACENT TO ALL ACCESSIBLE LAVATORIES.
21. BUILDINGS WITHOUT ACCESSIBLE RESTROOMS ARE SUBJECT TO JURISDICTION HAVING

N.C. PLUMBING CODE, 2002 EDITION N.C. MECHANICAL CODE, 2002 EDITION N.C. ELECTRICAL CODE, 2005 EDITION N.C. FUEL GAS CODE. 2002 FDITION N.C. ENERGY CODE, 2002 EDITION

N.C. BUILDING CODE, 2002 EDITION

W/ 2002 AMENDMENTS

N.C. ACCESSIBILITY CODE, 1999 EDITION

DESIGN CODES :

### SPECIAL CONDITIONS AND / OR LIMITATIONS:

NORTH CAROLINA STATE CODES:

The building design has been approved for use only in those greas within the scope of the structural load limitations and climate design criteria indicated below. See the building site installation requirements

notes for work requiring on site inspection.

The use of this building without required plumbing facilities is subject to the approval of the authority having jurisdiction, Plumbing facilities are to be provided in an adjacent building.

. Drinking water facilities to be provided and installed on site by others.

### CLIMATE DESIGN CRITERIA:

CLIMATE ZONE: 4 b
HEATING DEGREE DAYS: COOLING DEGREE DAYS:

### EXT. DOOR SPECIFICATIONS:

HEAVY DUTY ALUM. w/ VIEW BLOCK Uo = 0.32ALLOWABLE AIR LEAKAGE RATES 0.5 CFM PER SQ. FT. OF DOOR AREA

#### WINDOW SPECIFICATIONS:

METAL WITHOUT THERMAL BREAK OPERABLE
DOUBLE PANE BRONZE CLEAR GLASS  $U_0 = 0.52$ SHGC = 0.23

6. ALLOWABLE AIR LEAKAGE RATES 0.3 CFM PER SQ. FT. OF WIN. AREA

APPROVAL OF THIS PLAN IS APPLICABLE FOR BUILDINGS LOCATED IN ALL AREAS OF NORTH CAROLINA THAT ARE NOT IDENTIFIED BY A GOVERNMENTAL AGENCY AS: COASTAL HIGH HAZARD AREAS, OR REGULATORY FLOOD AREAS. SEE THE NORTH CAROLINA STATE BUILDING CODE VOLUME 1 - CHAPTER 37, FOR SPECIAL REQUIREMENTS APPLICABLE IN THESE AREAS.

#### **BUILDING SITE INSTALLATION REQUIREMENTS:**

THE FOLLOWING ITEMS ARE TO BE CONSTRUCTED / INSTALLED ON-SITE BY OTHERS, SUBJECT TO LOCAL APPROVAL

Foundation and tie-down system.
 Entrance / exit stairs, landings, gaurd rails and hand rails.

Accessible ramps.
The main electrical panel; service entrance conductors:

feeders; and grounding system. (see electrical notes) Skirting and crawl space ventilation.

6. Mop sink and water cooler per floor plan

### Structural Load Limitations

Floor Live Load:

40 psf

1000 lb. Concentrated Load Over 30" x 30" Area Located Anywhere On Floor.

Roof Live Load:

Roof Snow Load:

Pg = 20 psf Ground Snow Load
Pf = 18.50 psf Flat Roof Snow Load
Ce = 1.2 Snow Exposer Factor

Is = 1.0 Snow Importance Factor Ct = 1.1 Snow Thermal Factor

Wind Load:

130 mph = Wind Speed

Iw = 1.0 Wind Importance Factor C = Wind Exposer Catergory C

GCpi = 0.18 Internal Pressure Coefficient

Pw = 46.0 psf Wall Component & Cladding Load
Pr = 77.0 psf Roof Component & Cladding Load
This Building Is Not Designed For Placement On The
Upper Half Of A Hill Or Escarpment Exceeding 15

Seismic Load:

I = Seismic Use Group

D = Site Class

1K = Seismic Force Resisting System

C = Seismic Design Catergory Simplified = Analysis Procedure

Sds = < .49 Spectral Response Coefficient Sd1 = < .19 Spectral Response Coefficient

V = 3430 lb. Design Base Shear R = 6.5 Response Modification Coefficient

This Building Is Not Designed To Be Located In A Flood Hazard Area.

ENCLOSED BUILDING
TYPE V-B CONSTRUCTION(UNPROTECTED)
EDUCATIONAL OCCUPANCY OCCUPANT LOAD ..... (64)

PERMISSABLE TYPE OF GAS FOR APPLIANCES: NONE (ALL ELECTRIC)

FLOOR DRAIN IF REQUIRED TO BE SUPPLIED & INSTALLED BY OWNER

# ATTENTION LOCAL INSPECTIONS DEPARTMENT

SET-UP INSTRUCTIONS FOR THIS MODULAR UNIT ARE INCLUDED BY ATTACHMENT TO THESE PLANS. ANY PLANS SET WHICH DOES NOT INCLUDE AN ATTACHMENT ENTITLED "SET-UP MANUAL" ARE INCOMPLETE.

PIER & STRAPPING REQUIREMENTS FOR FOUNDATION SET-UP ARE LOCATED ON PAGE (2) OF THESE DRAWINGS.

# ATTENTION LOCAL INSPECTIONS DEPARTMENT

TAR CUSTOM, HAVE NOT BEEN INSPECTED BY RADCO, AND ARE NOT CERTIFIED BY THE NORTH CAROLINA MODULAR LABEL CODE COMPLIANCE MUST BE DETERMINED AT THE LOCAL LEVEL:

(1) MAIN DISCONNECT (2) MAIN ELECTRICAL PANEL (3) FEEDERS (4) RACEWAYS (5) SERVICE DISCONNECT

STORM WINDOWS (7) FIRE PROTECTIVE SIGNALING SYSTEM

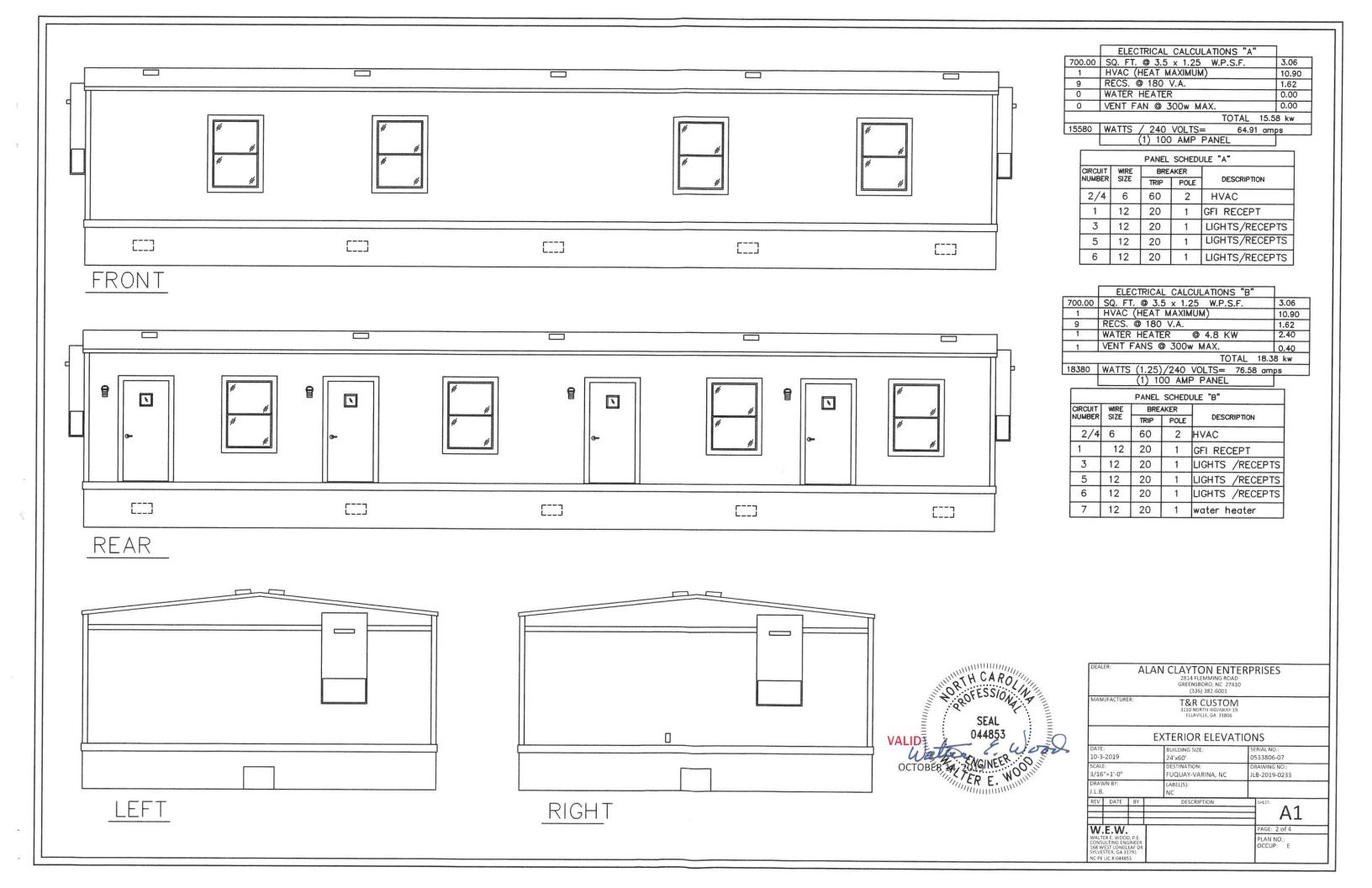
RELOCATION OF THIS BUILDING IS SUBJECT TO THE APPROVAL OF THE LOCAL JURISDICTION. THESE PLANS HAVE NOT BEEN PREPARED BASED ON THE CURRENT CODES IN EFFECT, BUT INSTEAD ARE BASED ON CODES IN EFFECT AT THE TIME OF THE INITIAL DATE OF MANUFACTURE.

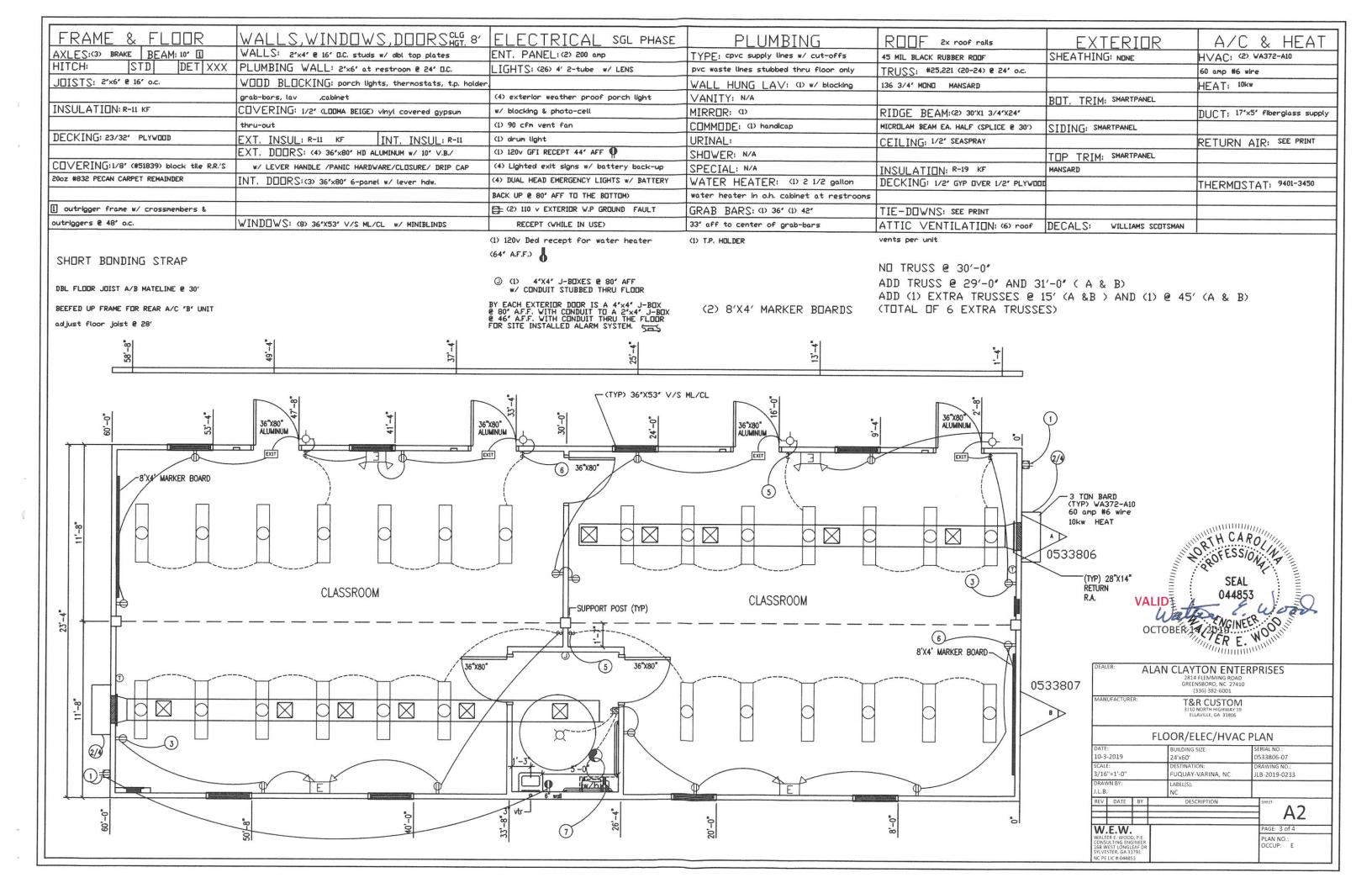
THIS IS A SET OF AS-BUILT APPROVED BUILDING PLANS. THIS SET OF PLANS HAVE BEEN PROVIDED THE PURPOSE OF OBTAINING A BUILDING PERMIT. THE USE OF THIS BUILDING IS SUBJECT TO THE REVIEW AND APPROVAL OF THE LOCAL JURIS-DICTION HAVING AUTHORITY.

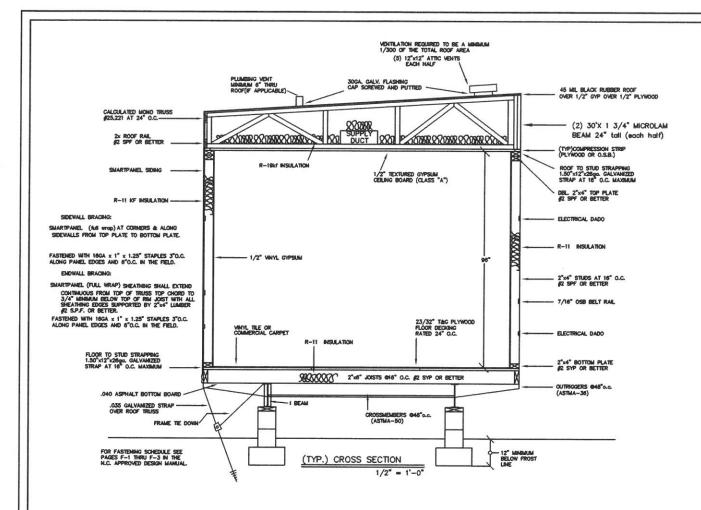


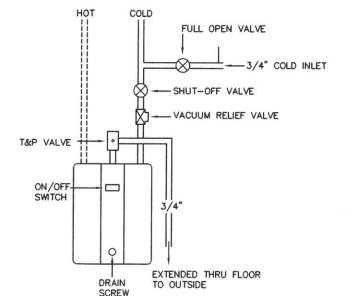
ALAN CLAYION ENTERPRISES 2814 FLEMMING ROAD GREENSBORO, NC 27410 (336) 382-6001								
MAN	UFACTUR	ER:	T&R CUSTOM 3110 NORTH HIGHWAY 19 ELLAVILLE, GA 31806					
			COVER SHEET / N	NOTES				
DATE:	2019		BUILDING SIZE: 24'x60'	SERIAL NO.: 0533806-07				
SCALE			DESTINATION: FUQUAY-VARINA, NC	DRAWING NO.: JLB-2019-0233				
DRAW J.L.B.	/N BY:		LABEL(S): NC					
REV	DATE	BY	DESCRIPTION	SHEET: C1				
	E.W.			PAGE: 1 of 4				
WALTER E. WOOD, P.E. CONSULTING ENGINEER 168 WEST LONGLEAF DR SYLVESTER, GA 31791				PLAN NO.: OCCUP: E				

ALANI CLAVITONI ENITEDDDICE

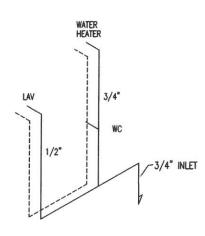








WATER HEATER DIAGRAM N.T.S.



DWV NOTES

1) PIPING SHALL BE PVC SCHEDULE 40

2) ALL JOINTS SHALL BE MADE WITH FITTING EITHER SOLVENT WELDED OR THREADED ACCORDING TO APPROVED METHODS.

3) VERTICAL PIPING SHALL BE SUPPORTED AT BASE, MIDDLE, AND TOP.

4) HORIZONTAL PIPING SHALL BE SUPPORTED MINIMUM 48°O.C. AND AT EACH CHANGE OF DIRECTOR.

4) HORIZONIAL PIPING STALL BE SUPPORTED MINIMUM TO U.C. AND AT EACH CHARGE OF DIRECTION.

5) ALL P-TRAP EXTENSION ARMS OVER 36" MIN. MUST BE SUPPORTED AT BASE AND AS CLOSE TO P-TRAP AS POSSIBLE.

6) PIPING 2.50" AND BELOW TO HAVE .25" FALL IN DIRECTION OF FLOW.

7) PIPING 3.00" AND ABOVE TO HAVE .125" FALL IN DIRECTION OF FLOW.

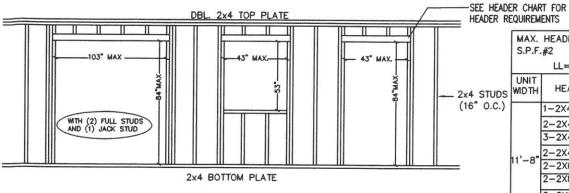
8) ALL VENTS THRU ROOF MUST PENETRATE ROOF COVERING A MIN. OF 6" AND LIMITED TO EDDOCEDITY OF LACED.

MUST BE PROPERLY FLASHED.

9) FLASHING TO BE LEAD, COPPER, ALUMINUM, PLASTIC, OR NEOPRENE OF AN APPROVED

TYPE.

10) ALL PIPING BELOW FLOOR NOT CONCEALED IN FLOOR CAVITY TO BE INSULATED WITH R-4 OR BETTER.



TYPICAL WALL FRAMING N.T.S.

HEADER REQUIREMENTS MAX. HEADER SPAN TABLE S.P.F.#2 D.F.= 1.15 LL=20 DL=16 UNIT HEADER SPAN . 2x4 STUDS WIDTH 1-2X4 flat 25.9 2-2X4 flat 49.4 3-2X4 flat 74.1 53.4 2-2X4 edge 2-2X6 edge 76.6 2-2X8 edge 98.9 2-2X10 edge 116.3

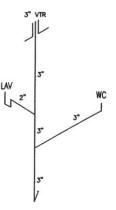
(1) SKIRT, SKIRT VENTILATION, & ACCESS TO BE PROVIDED & INSTALLED BY OWNER ON SITE.

(2) ALL GLASS IN DOORS & WITHIN 24" OF DOORS IS SAFETY GLAZED.

(3) HANDICAP ACCESS REQUIREMENTS TO BE PROVIDED & INSTALLED BY OWNER ON SITE.

(4) FOUNDATION ENCLOSURES (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA

PER 150 SQ.FT. OF THE FLOOR AREA. (5) AN 18"x24" MINIMUM CRAWL SPACE ACCESS TO BE SITE INSTALLED BY OTHERS.



SUPPLY LINE NOTES

1) ALL SUPPLY LINES TO BE CPVC EXCEPT WHERE NOTED OTHERWISE.

2) ALL JOINTS TO BE BY MANUFACTURER APPROVED METHODS.

3) ALL FITTINGS TO BE PLASTIC, CHROME, BRASS, OR OTHER APPROVED MATERIAL.

4) ALL SUPPLY LINES TO HAVE APPROVED SHUTOFF VALVES.

5) LINES TO BE SUPPORTED VERTICALLY MAXIMUM 48°O.C.

7) ALL PIPING BELOW FLOOR NOT CONCEALED IN FLOOR CAVITY TO BE INSULATED.

WITH MIN R-4.

WITH MIN. N-4.

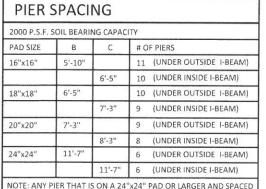
8) INTERCONNECTION OF SEPARATE WATER HEATERS TO BE DONE ON SITE BY LICENSED PLUMBER AND SUBJECT TO LOCAL CODE JURISDICTION.

NAME OF THE CAROL

SEAL 044853

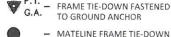
(336) 382-6001 **T&R CUSTOM** ELLAVILLE, GA 31806 **BUILDING CROSS SECTION** 10-3-2019 24'v60' 0533806-07 NONE FUQUAY-VARINA, NC JLB-2019-0233 DRAWN B X1 AGE: 4 of 4 W.E.W. PLAN NO.: OCCUP: E

ALAN CLAYTON ENTERPRISES



NOTE: ANY PIER THAT IS ON A 24"x24" PAD OR LARGER AND SPACED GREATER THAN 9'-0" O.C. MUST BE ON A 16"x16" CMU PIER

# SYMBOLS:



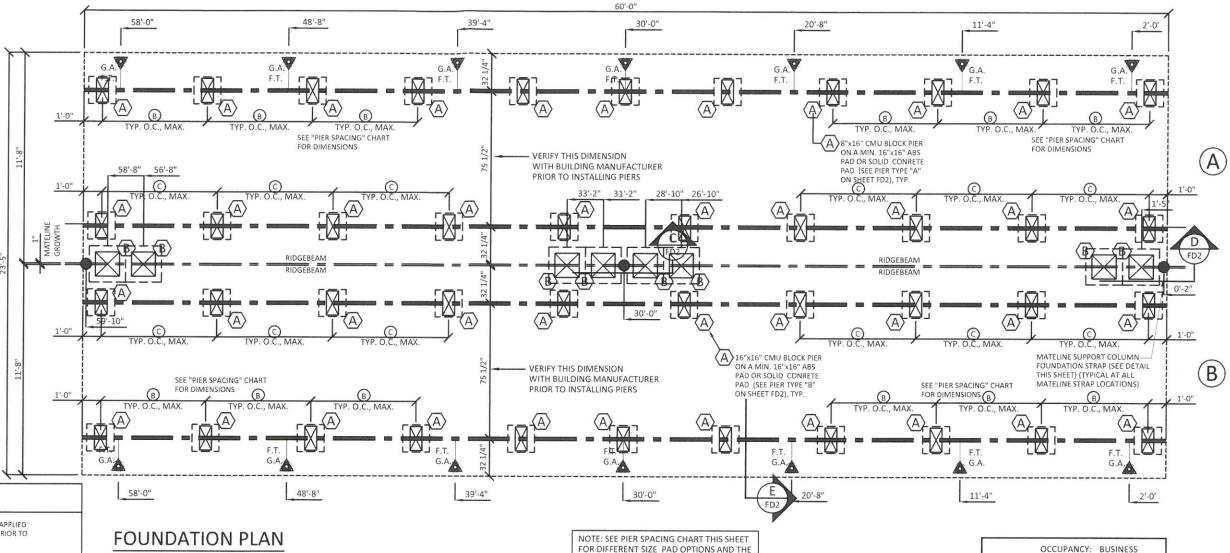
F.T. - FRAME TIE-DOWN FASTENED TO GROUND ANCHOR



(2) STRAPS [(1) PER I-BEAM] AND (1) GROUND ANCHOR - OUTLINE OF BUILDING FRAME



CMU BLOCK PIER AND PAD BELOW



# **FOUNDATION NOTES:**

NOTE: ALL REQUIRED BUILDING AND/OR CONSTRUCTION PERMITS MUST BE APPLIED FOR AND OBTAINED FROM THE LOCAL AUTHORITIES HAVING JURISDICTION PRIOR TO ANY WORKED BEING DONE ON THE ABOVE SHOWN FOUNDATION DESIGN.

- 1. ALL FOUNDATION CONSTRUCTION, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
- THE ABOVE FOUNDATION IS DESIGNED AS PER SECTION 14.5.1.11 OF THE 2018 NCBC USING ALTERNATIVE DESIGN OR METHODS OF CONSTRUCTION. THIS DESIGN MEETS OR EXCEEDS THE WIND LOAD AND SOIL BEARING REQUIREMENTS OF THIS CODE. THE APPROVAL OF THIS FOUNDATION IS SUBJECT TO THE LOCAL AUTHORITY HAVING JURISDICTION.
- TIE-DOWN STRAPS TO BE 1-1/4" X .035 GALVANIZED STEEL FEDERAL SPECIFICATION QQS-781-H TYPE-1 FINISH-B GRADE-1. TIE-DOWN STRAPS AND CONNECTING HARDWARE TO HAVE A 4.725# MINIMUM ULTIMATE CAPACITY (3,150# x 1.5)
- ALL TIE DOWN ANCHORS SHALL HAVE A 4,725# MINIMUM ULTIMATE CAPACITY (3,150# x 1.5) AND SHALL BE INSTALLED AS PER THEIR MANUFACTURER'S SPECIFICATIONS. THE TYPE OF GROUND ANCHOR, INCLUDING SHAFT LENGTH, NUMBER AND DIAMETER OF HELIXES, ETC. TO BE SPECIFIED BY THE GROUND ANCHOR MANUFACTURER FOR THE ACTUAL SOIL TYPE THAT IS ENCOUNTERED AT THE SITE.
- SEE ABOVE FOUNDATION LAYOUT FOR TIE-DOWN STRAP SPACING.
- ALL PIERS SHALL BE 8"x8"x16" MASONRY BLOCKS ON EITHER AN 16"x16" ABS PAD OR 16"x16"x4" SOLID CONCRETE PADS, MIN. EXCEPT AS OTHERWISE NOTED ON FOUNDATION PLAN. SEE PIER SPACING CHART FOR ADDITIONAL SIZE OPTIONS.
- MINIMUM SOIL BEARING CAPACITY IS 2,500 PSF. TO BE VERIFIED BY BUILDING'S OWNER. SOIL BEARING CAPACITY SHOWN ON THIS PLAN IS ASSUMED. IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 PSF, THE ARCHITECT/ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTINGS SHALL BE PLACED ON NON-EXPANSIVE SOILS ONLY.
- IT WILL BE THE BUILDING OWNER'S RESPONSIBILITY TO INSURE THAT ALL LOOSE DEBRIS IS REMOVED FROM UNDER THE BUILDING AND THAT THE GROUND IS LEVELED AND FIRMLY COMPACTED.
- WOOD SHIMS MAY BE INSTALLED WHEN NECESSARY, BETWEEN THE I-BEAM AND THE TOP OF THE PIER. SHIMS SHALL BE FREE OF KNOTS, CHECKS, SPLITS, AND SIMILAR IMPERFECTIONS. SHIMS SHALL BE OF P.T. LUMBER, OAK (OR OTHER HARDWOOD), CEDAR OR ABS MATERIAL AND BEARING AT ALL CONTACT POINTS
- MASONRY PIERS INSTALLED IN A DRY STACK SUBJECT TO LOCAL JURISDICTION AND APPROVAL. 11. OVERALL WIDTH DIMENSION IS NOMINAL AND IS BASED ON UNIT WIDTH x NUMBER OF UNITS. ACTUAL OVERALL WIDTH MAY INCREASE DUE TO SITE CONDITIONS, MATERIAL TOLERANCES. FAILURE TO REMOVE CLOSE-UP MATERIAL AND/OR OTHER FACTORS BEYOND THE CONTROL OF THE BUILDING MANUFACTURER
- 12. PIER A: FIELD CONDITIONS WITH DRY STACK PIERS GREATER THAN 28" SHALL REQUIRE THE PIER TO BE CHANGED TO A PIER TYPE "B" (SEE THIS SHEET FOR DETAILS) PIER B: FIELD CONDITIONS WITH DRY STACK PIERS GREATER THAN 48" SHALL REQUIRE THE PIERS TO HAVE SURFACE BONDING TO A MAXIMUM OF 68" HIGH. (ANY PIERS OVER 68" HIGH WILL REQUIRE ENGINEERING BEYOND THE DESIGN OF THIS FOUNDATION.)

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

WIND: 120/93 MPH (Vult/Vasd) - EXP. C

SOIL: 2000 P.S.F.

# STATE(S):

#### NORTH CAROLINA

BUILDING: 2018 NCBC 2018 NCFC 2018 NCPC PLUMBING: MECHANICAL: 2018 NCMC ELECTRICAL: 2017 NEC ACCESSIBILITY. ICC/ADA/ANSI A-117.1-10

- 13. ALTHOUGH NOT SHOWN IN THIS DESIGN WHERE/WHEN REQUIRED BY LOCAL JURISDICTION ALL MASONRY PIERS MAY BE LAID IN TYPE "M" OR "S" MORTAR IN COMPLIANCE W/ASTM C887, OR SHALL HAVE SURFACE BONDING MORTAR IN COMPLIANCE w/ASTM C 946.
- 14. ALL PIERS SHALL BE CAPPED WITH (1) LAYER OF MIN. 4 INCH THICK SOILD MASONRY CAP BLOCK OR THE CAVITIES SHALL BE FILLED WITH CONCRETE OR GROUT. PIERS SHALL PROVIDE A TRUE AND EVEN BEARING SURFACE.
- 15. THE FOUNDATION DIMENSIONS SHOWN ARE NOMINAL. AN INCREASE IN MODULE WIDTH SHOULD BE EXPECTED DUE TO MODULE EXPANSION, SETTING TOLERANCES, ETC. THE FOUNDATION CONTRACTOR SHOULD CONSULT WITH THE MANUFACTURER OF THE MODULES PROIR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE AMOUNT OF INCREASED WIDTH TO BE ADDED TO THE NOMINAL DIMENSIONS SHOWN ABOVE
- 16. I-BEAM SUPPORT PIERS MAY BE INSTALLED LATERALLY (90° FROM THE ORIENTATION SHOWN ON THE FOUNDATION PLAN). CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.
- 17. FOUNDATION REVIEW AND INSPECTION IS TO BE PERFORMED BY THE LOCAL OFFICIALS HAVING HIRISDICTION
- 18. PROVIDE POSITIVE DRAINAGE UNDER UNIT.
- 19. UNDERGROUND UTILITY LOCATIONS ARE THE RESPONSIBILITY OF OTHERS. ALL UNDER-GROUND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO ANY EXCAVATION.

FOR DIFFERENT SIZE PAD OPTIONS AND THE REQUIRED SPACING. (16"x16" PAD SHOWN)

FLOOR DESIGN LIVE LOAD: 50/100 PSF ROOF LIVE LOAD: 20 PSF. GROUND SNOW LOAD: 20 PSF. CONSTRUCTION: TYPE V-B

NOTE: FRAME TIES ONLY, NO OVER-THE-ROOF STRAPS REQUIRED. SEE DETAIL THIS SHEET NOTE: FIRST STRAP FROM END WALLS NOT

TO EXCEED 2'-0".



# ALAN CLAYTON ENTERPRISES

GREENSBORO, NC 27410 (336) 382-6001

T&R CUSTOM ELLAVILLE, GA 31806

FOLINDATION PLAN

FOUNDATION FLAN							
DATE: 10-3-2019			BUILDING SIZE: 24'x60'	SERIAL NO.: 0533806-07			
SCALE: 3/16"=1'-0"			DESTINATION: FUQUAY-VARINA, NC	DRAWING NO.: JLB-2019-0233			
DRAWN BY: J.L.B.			LABEL(S): NC				
REV	DATE	BY	DESCRIPTION	SHEET:			

FD1 AGE: 1 of 2

W.E.W. PLAN NO. CCUP: E

