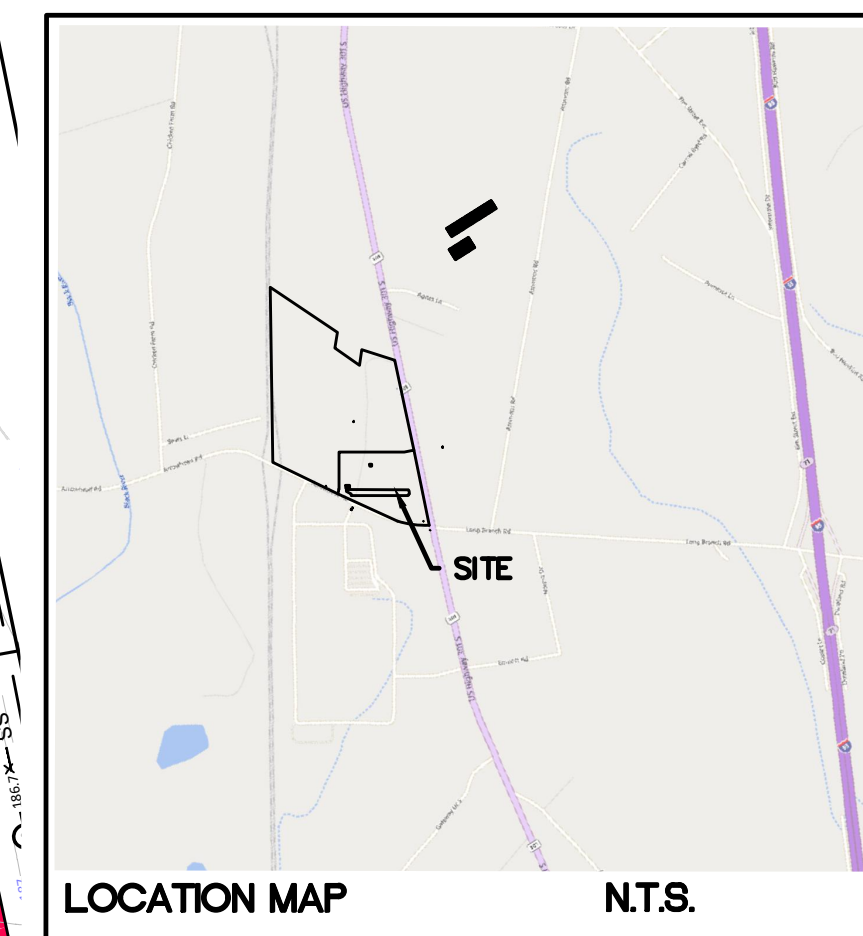




TC²
ENGINEERING, PLLC
201 N. Front Street
Suite M-108
Wilmington, NC 28401
77-5856

910-547-5856

DATE _____

REVISION

NO.

SAMET HARNETT COUNTY 1

SITE PLAN

PRELIMINARY

ORIGINAL MAP SIZE
24" X 36"

DRAWN: BPE

CHECKED: WPC

PROJECT NO.:

SHEET:

C1.0

SITE DATA TABLE-Samet Harnett County Site 1			
PARCEL ID	0215050123		
PARCEL OWNERSHIP	SAM Harnett I LLC		
CURRENT ZONING	I-100		
EXISTING BUILDING (TO BE REMOVED) SF	N/A		
TOTAL SITE AREA	13.47		
DISTURBED/TOTAL PROJECT AREA (SF)	696,960	16.00Ac	
BUILDING DATA-CONSTRUCTION TYPE: II-B			
BUILDING USE	INDUSTRIAL/WAREHOUSE		
# OF BUILDINGS (1)	AREA (SF)		
BUILDING AREA (EACH)	175,500		
BUILDING HEIGHT / # OF STORIES	45' AGL (1 STORYS)		
OFFICE AREA	3008		
BUILDING AREA (OTHER USES)	172,492		
BUILDING SETBACKS			
	REQUIRED	PROPOSED	
SETBACK OFF HIGHWAYS & THOUROUGHFARES	50'	94'	
Front Setback	50'	99'	
Side Setback	30'	72'	
Rear Setback	50'	151'	
PARKING SPACES			
	REQUIRED	PROPOSED	
1/2,000 SF	87.75	138	
Bicycle	EXEMPT		
ADA (Including Van-Accessible) 2% OF TOTAL PARKING	3	6	
Off-Street Loading	5	>10	
PARKING SQUARE FOOTAGE	39,823		
IMPERVIOUS COVERAGE			
	PROPOSED (SF)	PERCENT OF IMPERVIOUS	
TYPE	132,374	36.1%	
ASPHALT	39,705	11.4%	
SIDEWALK/CONCRETE	175,500	50.5%	
BUILDINGS	347,579	59.2%	
TOTAL			
OPEN SPACE REQUIREMENTS			
EXEMPT			

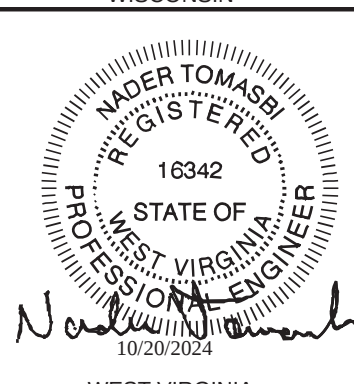
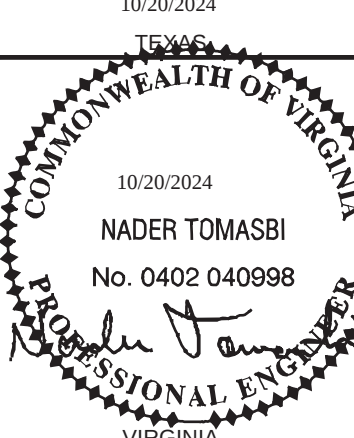
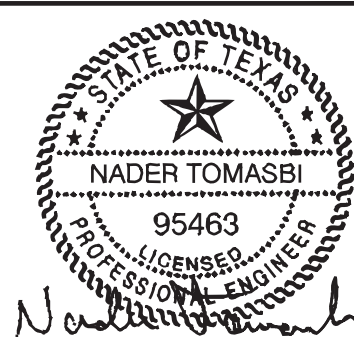
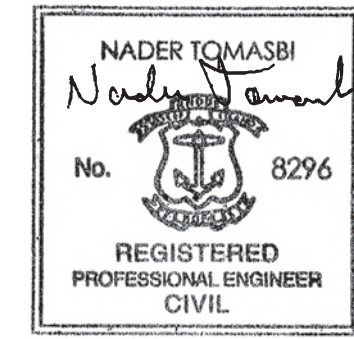
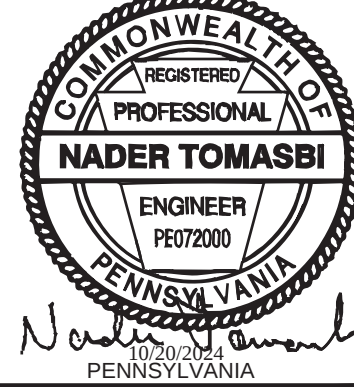
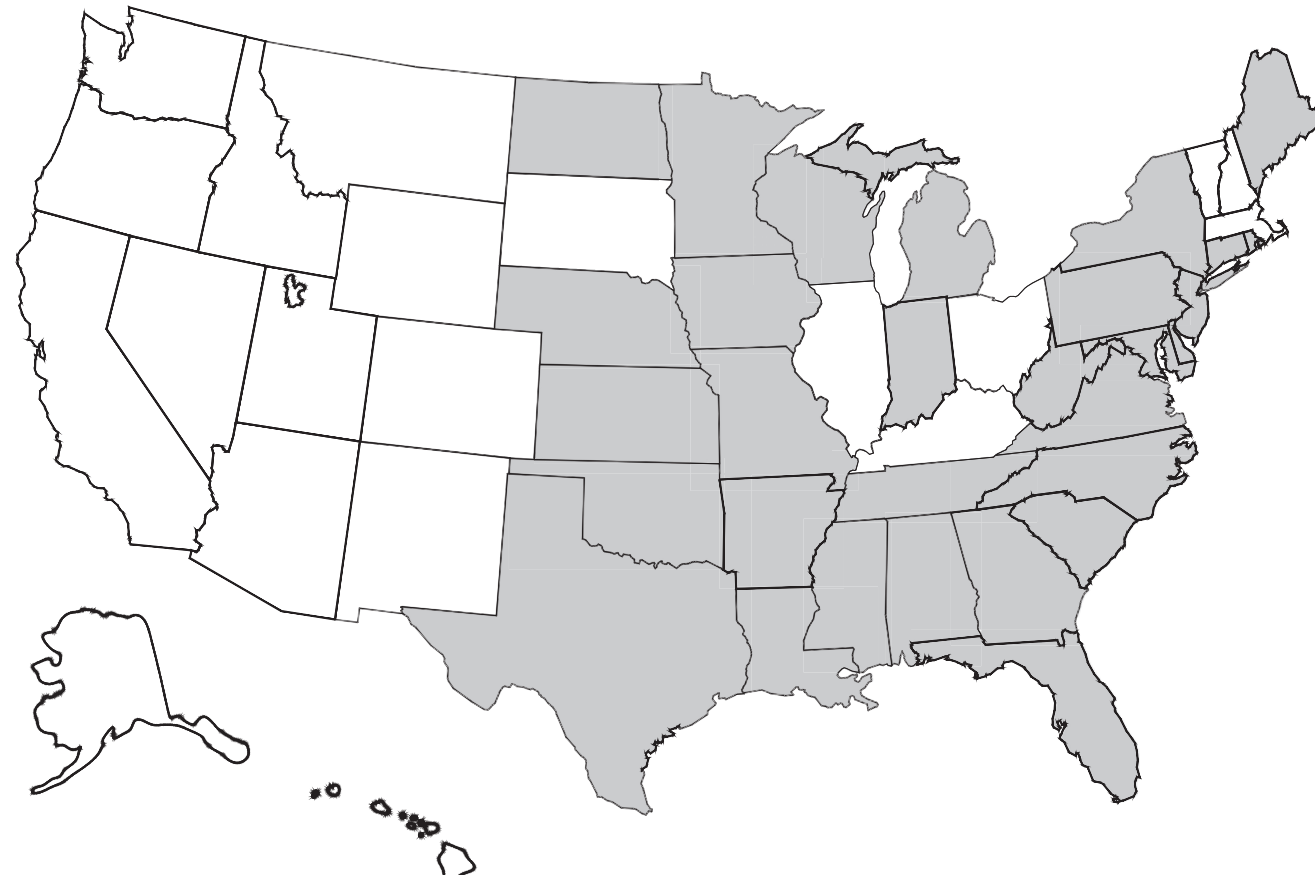
SEE CIVIL DESIGN SHEETS FOR,
MORE CONCISE WATER AND
SEWER, GRADING AND
STORMDRAIN PLANS



United Rentals
UR-1256-MW&EC-STOCK
12'x56' (11'-8" x 56'-0")
STOCK 2-OFC/1-RM
MODULAR OFFICE BUILDING

MID WEST (MW) & EAST COAST (EC)

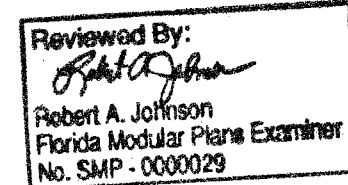
(ALABAMA (AL), ARKANSAS (AR), CONNECTICUT (CT), DELAWARE (DE), FLORIDA (FL), GEORGIA (GA), INDIANA (IN), KANSAS (KS), MAINE (ME), MARYLAND (MD), MICHIGAN (MI), MINNESOTA (MN), MISSOURI (MO), MISSISSIPPI (MS), NEBRASKA (NE), NEW JERSEY (NJ), NEW YORK (NY), NORTH CAROLINA (NC), NORTH DAKOTA (ND), OKLAHOMA (OK), PENNSYLVANIA (PA), RHODE ISLAND (RI), SOUTH CAROLINA (SC), TENNESSEE (TN) TEXAS (TX), VIRGINIA (VA), WEST VIRGINIA (WV), WISCONSIN (WI))



DRAWING INDEX:

SHEET	DESCRIPTION
C1	COVER SHEET
C2	CODES / STRUCTURAL LOAD LIMITATIONS
A1	EXTERIOR ELEVATIONS
A2	FLOOR & LIFE SAFETY / EGRESS PLANS
A3	REFLECTED CEILING & ROOF PLANS
P1	PLUMBING PLAN & RISERS
EH1	ELEC & HVAC PLANS
X1	BUILDING CROSS SECTION & DETAILS
X2	STEEL SUB-FRAME PLAN & DETAILS
K1	KIP LOAD PLAN
FD1	FOUNDATION PLAN & DETAILS

I hereby certify this plan, specification, or report was prepared by me or under my direct supervision and that I am duly Licensed Professional Engineer under laws of State of Minnesota
Print Name: NADER TOMASBI
Signature: *Nader Tomasbi*
Date: 10/20/2024 License # 44093



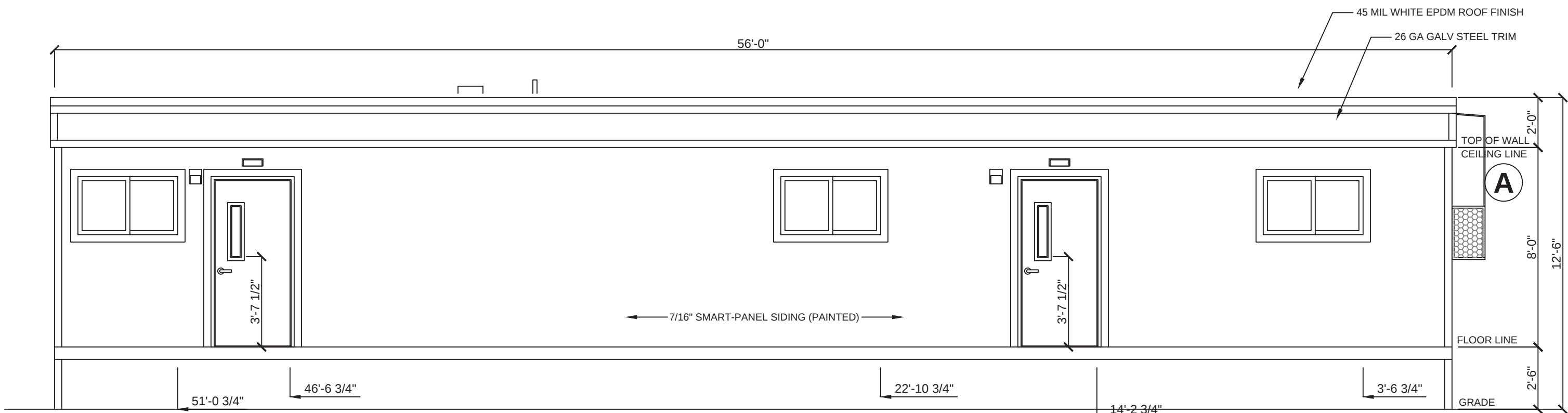
LISTING AGENCY APPROVAL	
THESE PRINTS COMPLY WITH THE FLORIDA MANUFACTURED BUILDING ACT OF 1979 CONSTRUCTION CODE AND ADHERE TO THE FOLLOWING CRITERIA:	
CONST. TYPE:	V-B
OCCUPANCY:	R
FLOOR LL (PSF):	50/102
WIND VELOCITY:	160/124
FIRE RATING OF EXT. WALLS:	0
ALLOWABLE NO. OF FLOORS:	1
SEISMIC DESIGN CATEGORY:	C
FIRE RATING OF EXT. WALLS:	0
PLAN NO.:	FSS-UR-12456-MW&EC
APPROVAL DATE:	10/21/2024

APPROVED STATE OF GEORGIA INDUSTRIALIZED BUILDINGS PROGRAM	
CONST. TYPE:	V-B
OCCUPANCY:	B
FLOOR LL (PSF):	50
WIND VELOCITY (MPH):	160/124
SEISMIC DESIGN CATEGORY:	C
FIRE RATING OF EXT. WALLS:	0
PLAN NO.:	FSS-UR-12456-MW&EC
APPROVAL DATE:	10/21/2024

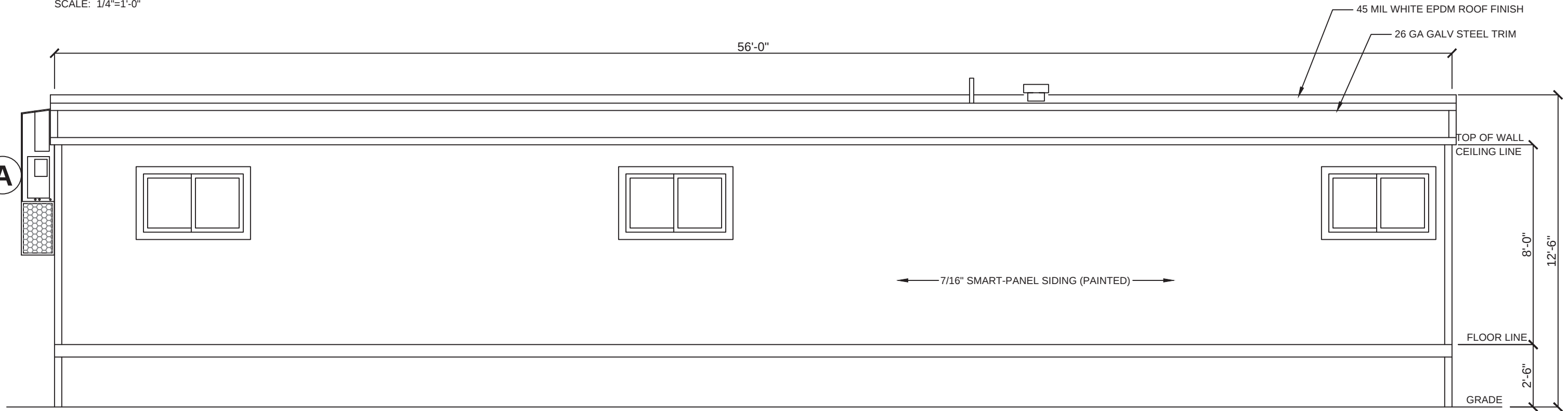


TN PLAN NO. #: FSS-475

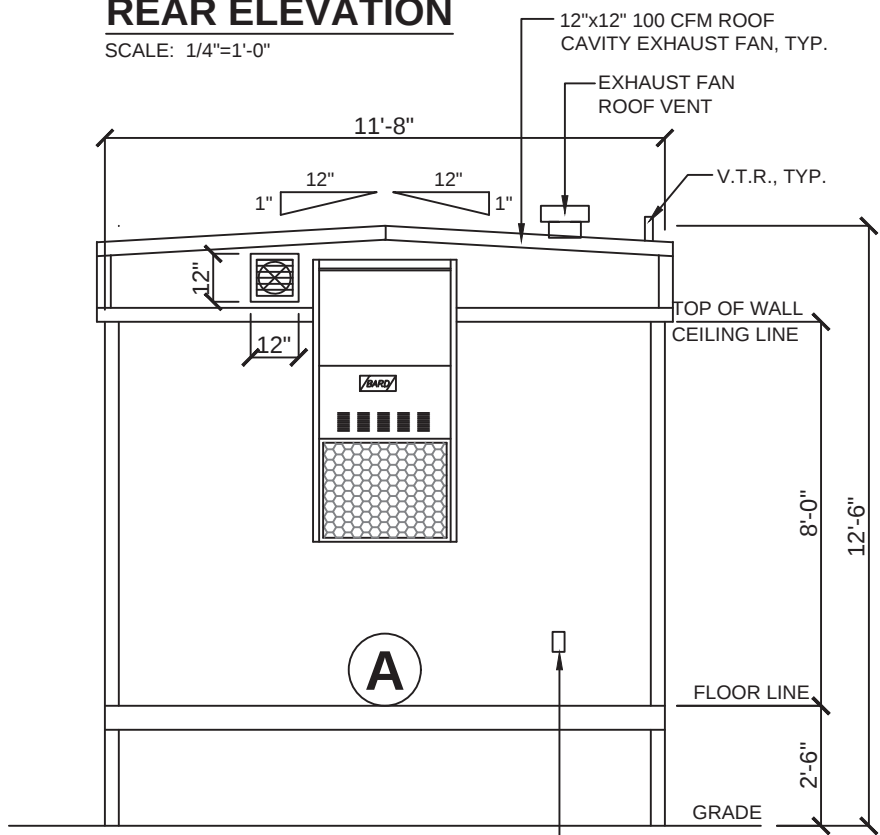
	UNITED RENTALS 100 FIRST STAMFORD PLACE - STE #700 STAMFORD, CT 06902 (912) 381-6297	
	FIRST STRING SPACE 892 RAILROAD AVENUE EAST DOUGLAS, GA 31535 (912) 384-7080	
	COVER SHEET	
	DATE: 9-13-2024 SCALE: NONE DRAWN BY: J.L.B.	MD SERIAL NO.: STOCK DRAWING NO.: FSS-2024-0010 STATE(S): AL,AR,CT,DE,FL,GA,IN,KS,LA,ME,MD,MI,MN,MO,MS,NE,NJ,NY,NC,ND,OK,PA,RI,SC,TN,TX,VA,WI,WV
FIRST STRING SPACE INC OUR STRENGTH IS TEAMWORK	REV. DATE BY DESCRIPTION	SHEET: C1
	THIRD PARTY: EMC EXPERT MODULAR CONSULTANTS, LLC 13103 W. LINEBAUGH AVE. SUITE 102 TAMPA, FLORIDA 33626 TEL. NO. (813) 336-4930	PAGE: 2 of 9 EMC NO. FSS-UR-12456 STOCK-MW&EC MD NO. FSS-UR-12456 STOCK-MW&EC OCCUP: B



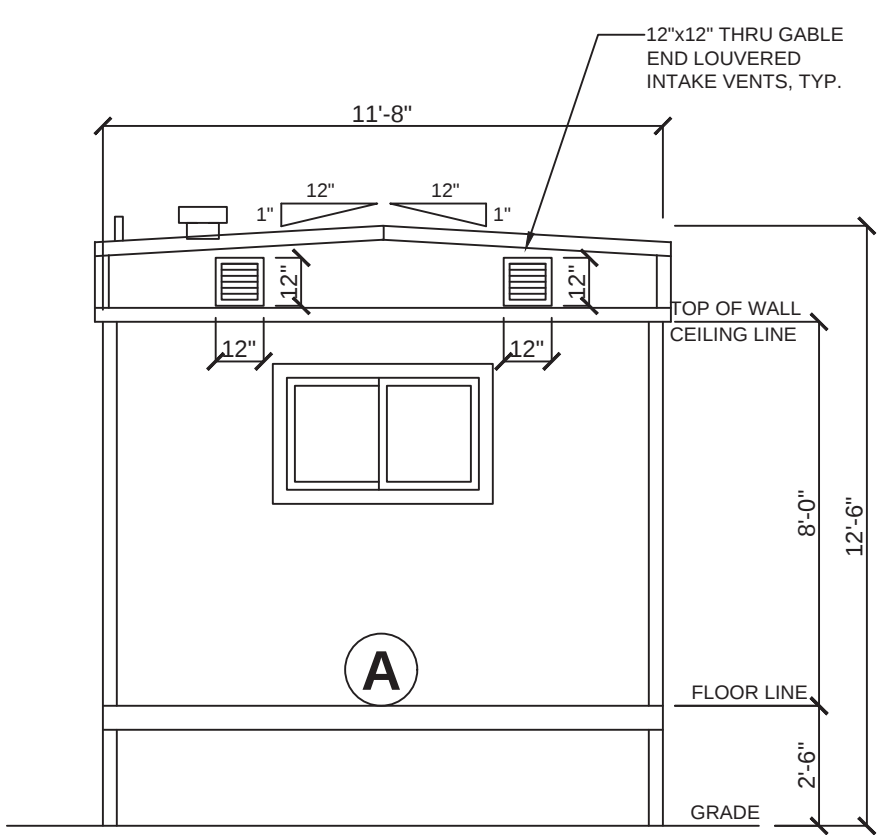
FRONT ELEVATION
SCALE: 1/4"=1'-0"



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



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



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

ELEVATIONS SHOWN ON THIS PAGE REPRESENT BASIC COMPONENTS AND ARE NOT INTENDED TO BE ALL INCLUSIVE, NOR DO THESE ELEVATIONS DETAIL EVERY CODE REQUIRED ASPECT OF THIS BUILDING. SITE BUILT STOOPS, STEPS, DECKS, PORCHES, HANDRAILS AND/OR SIMILAR ITEMS MUST BE PROVIDED BY OTHERS ON SITE FOR COMPLIANCE WITH APPLICABLE CODES. COMPLIANCE WITH ALL APPLICABLE CODES PER LOCAL AUTHORITY HAVING JURISDICTION, WHETHER DETAILED IN THIS SET OR NOT, MUST BE MET.

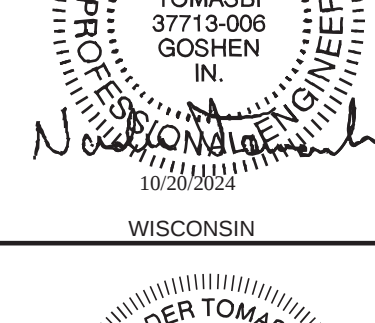
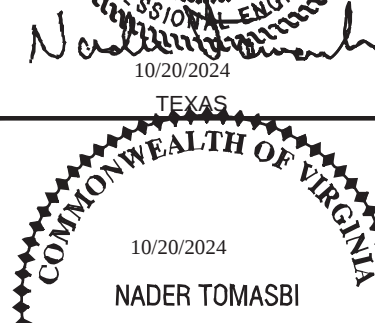
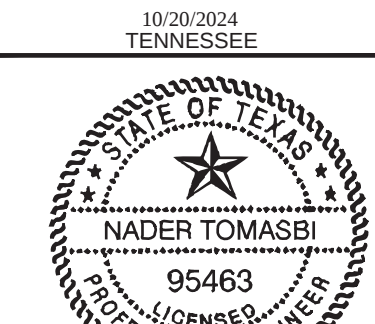
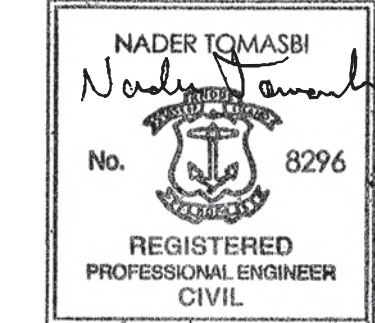
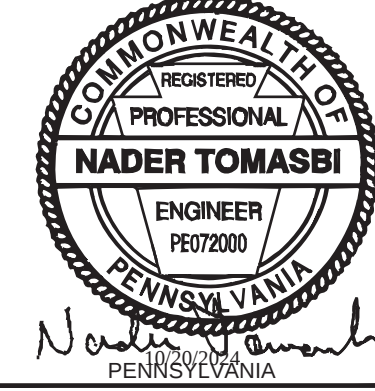
TEXAS INDUSTRIALIZED BUILDING CODE COUNCIL
This document is approved pursuant to the Industrialized Housing and Buildings Act.
DRA No. 21 IBC ✓ IRC
Date: 10/21/2024
DRA Signature: [Signature]



R. JOHNSON
APPROVED
10/21/2024

ELEVATION NOTES:

- SEE CROSS SECTION FOR METHOD OF ROOF VENTILATION
- HANDICAP RAMPS, STAIR(S), AND HANDRAILS ARE TO BE DESIGNED AND SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL
- FOUNDATION ENCLOSURE (WHEN PROVIDED) MUST HAVE 1 SQUARE FOOT NET VENT AREA PER 1/150th OF THE FLOOR AREA, AND AN 18" X 24" MINIMUM CRAWL SPACE ACCESS, SITE INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION AND APPROVAL

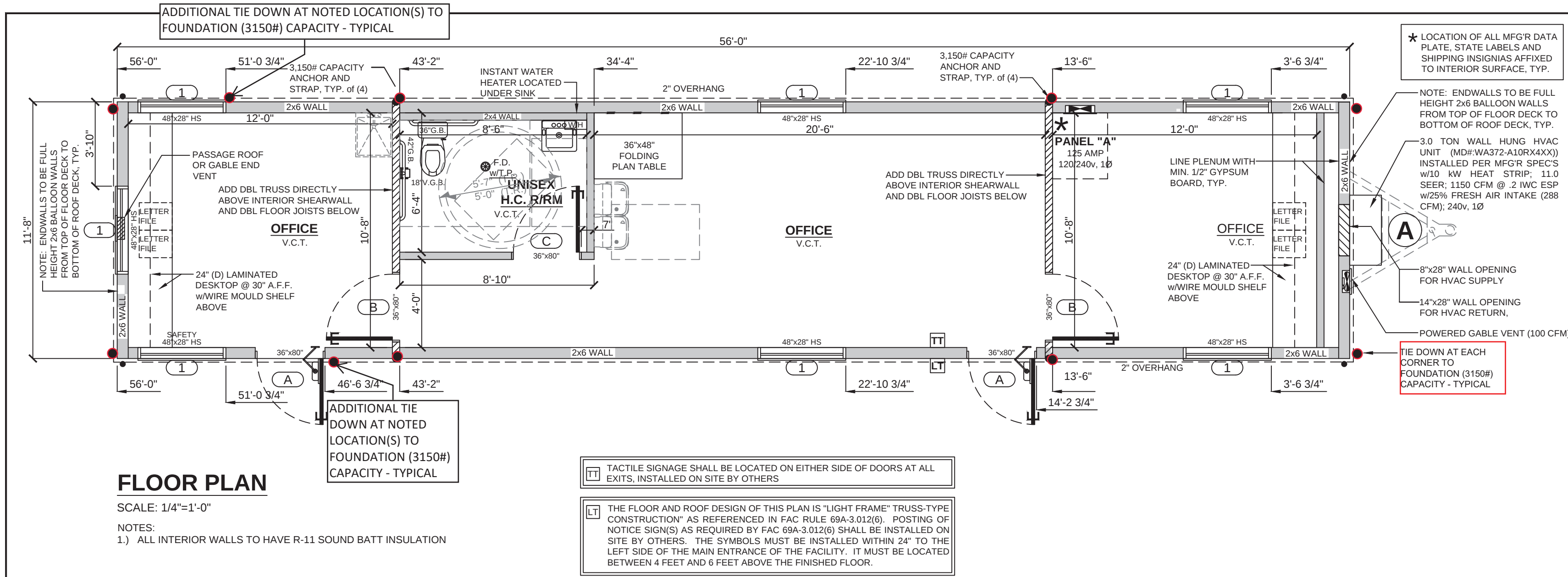


TN PLAN NO. #: FSS-475



UNITED RENTALS 100 FIRST STAMFORD PLACE - STE #700 STAMFORD, CT 06902 (912) 381-6297	
DEALER:	
FIRST STRING SPACE 892 RAILROAD AVENUE EAST DOUGLAS, GA 31535 (902) 384-7080	
MANUFACTURER:	
EXTERIOR ELEVATIONS	
DATE: 9-13-2024	BUILDING SIZE: 12'x56'
SCALE: 1/4"=1'-0"	SERIAL NO.: STOCK
DRAWN BY: J.L.B.	DRAWING NO.: FSS-2024-0010
REV	DATE
DATE	BY
DESCRIPTION	SHEET:
A1	
PAGE 3 of 9	
EMC NO. FSS-UR-12-56 SICK-MW-EC MD NO. FSS-UR-12-56 GOSHEN, IN 46526 PH: (574) 370-3419	
N.T. ROBERT E. GREGG, P.E. CONSULTING ENGINEER 1009 WOODRUFF AVE. CLEARWATER, FL 33765 PH: (774) 370-3419	
R.E.G. ROBERT E. GREGG, P.E. REGISTERED ARCHITECT 1009 WOODRUFF AVE. CLEARWATER, FL 33765 PH: (774) 370-3419	

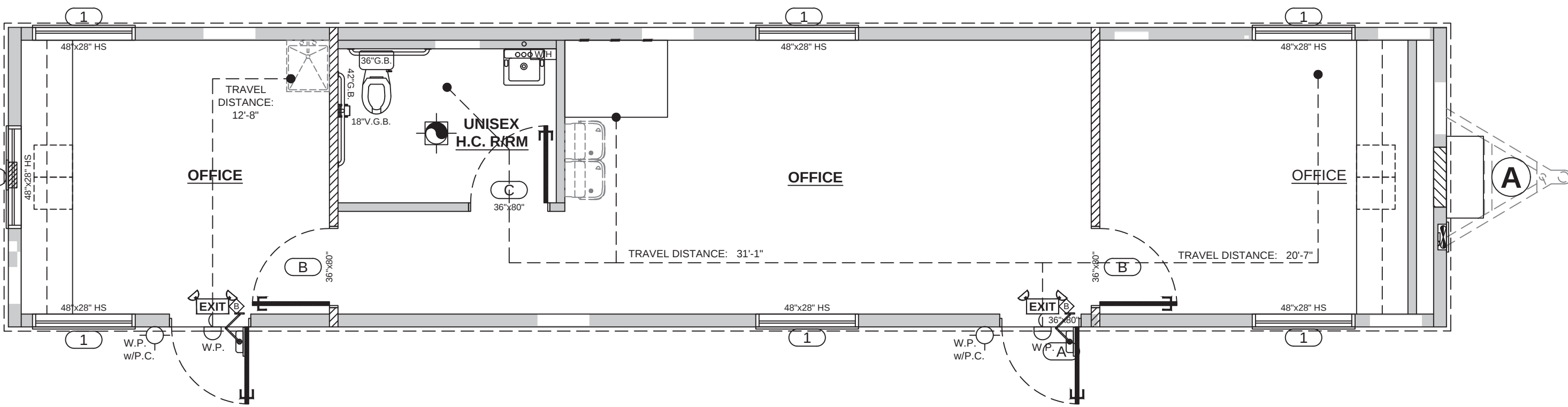
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MARYLAND	MICHIGAN	MINNESOTA	MISSOURI	MISSISSIPPI	NEBRASKA	NEW JERSEY	NEW YORK	NORTH CAROLINA	NORTH DAKOTA



FLOOR PLAN

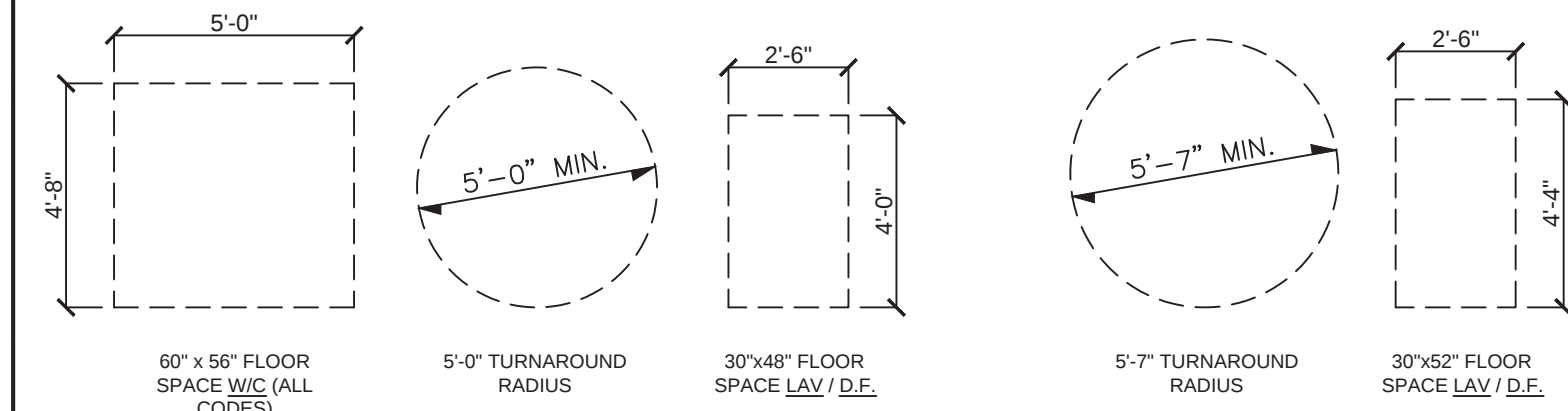
SCALE: 1/4"=1'-0"

NOTES:
1.) ALL INTERIOR WALLS TO HAVE R-11 SOUND BATT INSULATION



LIFE SAFETY / EGRESS PLAN

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



NOTE: CLEAR FLOOR SPACE SHOWN IN THE PLAN ARE BASED ON THE MOST STRINGENT OF ACCESSIBILITY CODE REQUIREMENTS WHICH IS FROM ANSI A117.1-2017

ADA CLEAR FLOOR SPACES

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

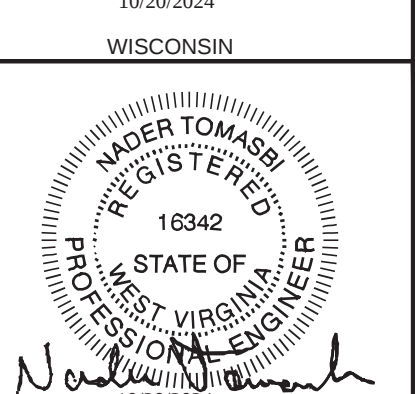
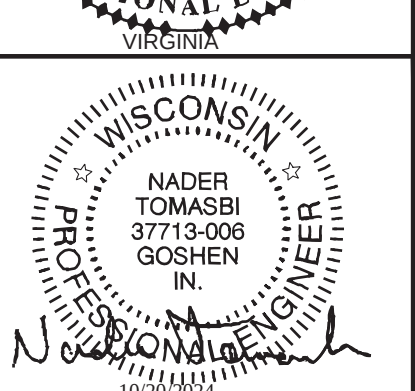
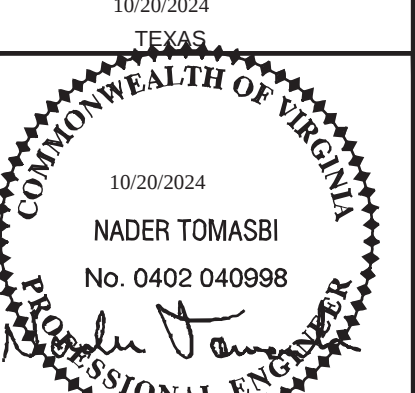
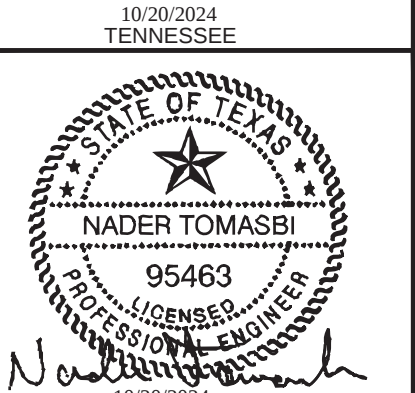
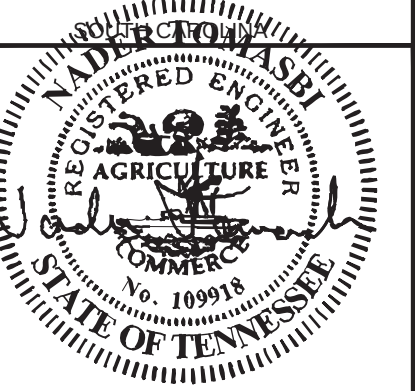
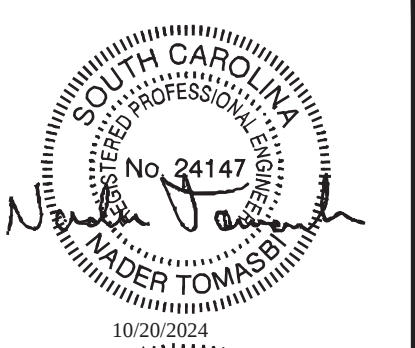
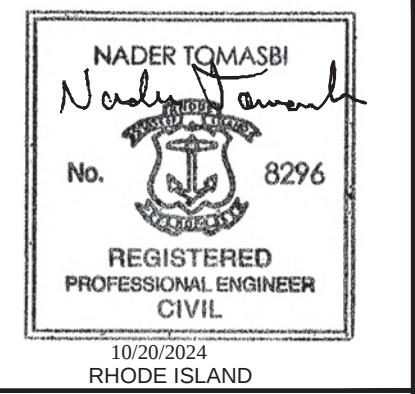
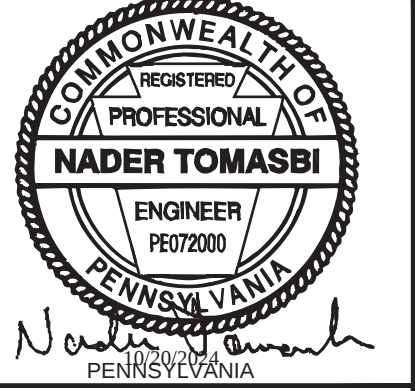
DOOR THRESHOLD DETAIL

SCALE: 1"=1'-0"

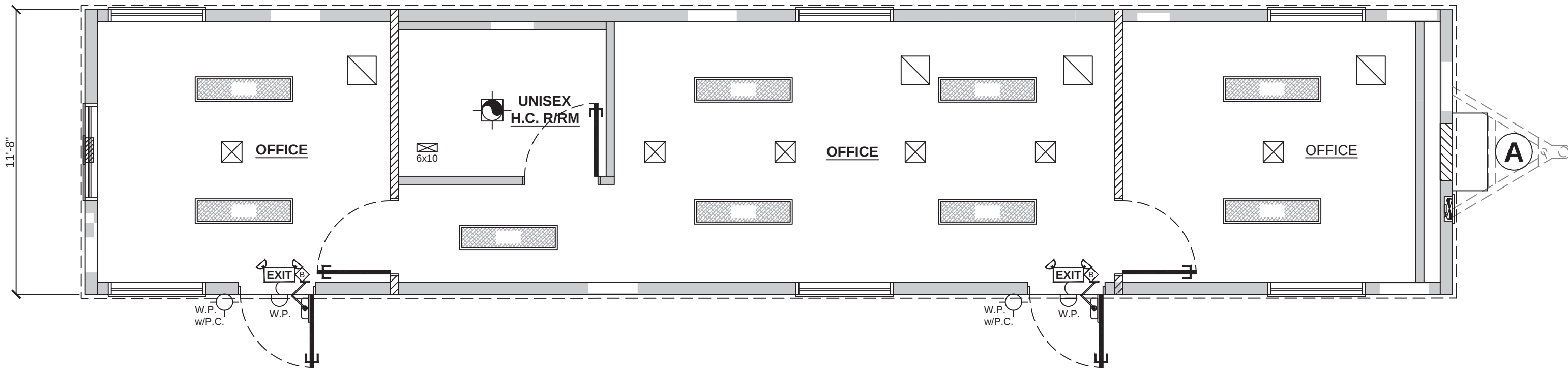
INTERIOR WALL DETAIL

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

DOOR SCHEDULE							
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS	COMMENTS
A	36"x80"	EXT DOOR - STEEL - FLUSH w/10"x10" SAFETY GLASS VIEW PANEL, STEEL FRAME, PASSAGE LEVER LOCKSET, DEADBOLT CLOSER, H.C. THRESHOLD, WEATHERSTRIPPING.	1	TRPL 2x4	1	1	
B	36"x80"	INT DOOR - HOLLOW CORE - FLUSH w/STEEL RED-FRAME, TELL GRADE 2 KEVED LEVER LOCKSET, FLOOR MTD DOORSTOP	2	SNGL 2x4		1	
C	36"x80"	INT DOOR - HOLLOW CORE - FLUSH w/STEEL RED-FRAME, TELL GRADE 2 PRIVACY LEVER LOCKSET, FLOOR MTD DOORSTOP	1	SNGL 2x4		1	
NOTE: THE UNLATCHING OF ANY DOOR SHALL NOT REQUIRE MORE THAN ONE OPERATION							
WINDOW SCHEDULE							
#	SIZE	DESCRIPTION	QTY	HEADER	JACKS	KINGS	COMMENTS
1	48"x28"	EXT WINDOW - VINYL - VS (SINGLE HUNG) WHITE FRAME / CLEAR D.I.G. LOW-E w/MINI BLINDS	7	TRPL 2x4	1	1	TOP OF FRAME @ 82" A.F.F.
LIFE SAFETY PARAMETERS				SYMBOLS			
1. USE/OCCUPANCY: B - BUSINESS 2. AREA: 654 3. OCCUPANT LOAD: [7] BASED ON 1 PERSON PER 100 SF 4. OCCUPANT LOAD: [5] BASED ON 1 PERSON PER 150 SF				ILLUMINATED EXIT SIGN AND EMERGENCY LIGHTING COMBO w/BATTERY BACK-UP EMERGENCY LIGHTING w/BATTERY BACK-UP			
NOTE: EACH EXIT DOOR IS ABLE TO ACCOMMODATE: 36x80 DOOR: 32" CLEAR WIDTH EACH 32 / (0.20) = 160 EACH x (2) = 320 PERSONS CAPACITY (2) EXITS @ 160 EACH = 320 TOTAL CAPACITY				J-BOX @ 48" A.F.F. FOR PULL STATION - TO BE WIRED BACK TO HORN/STROBE (2x4 SINGLE GANG) J-BOXES @ 48" & 80" A.F.F. FOR PULL STATION AND HORN/STROBE (48" BOX: 2x4 SINGLE GANG) (80" BOX: 4x4 DOUBLE GANG) J-BOX @ 80" A.F.F. FOR STROBE ONLY (4x4 DOUBLE GANG) WEATHERPROOF LIGHT "PORCH" (12w - 5000K) FIRE EXTINGUISHER - 5#2-A-10-B-C CEILING MOUNTED SMOKE DETECTOR (HARD WIRED) w/BATTERY BACK-UP			
NUMBER OF EXITS REQUIRED: 1 NUMBER OF EXITS PROVIDED: 2							
MAX ALLOWED TRAVEL DISTANCE: 75 FEET MAX ACTUAL TRAVEL DISTANCE: 32 FEET							

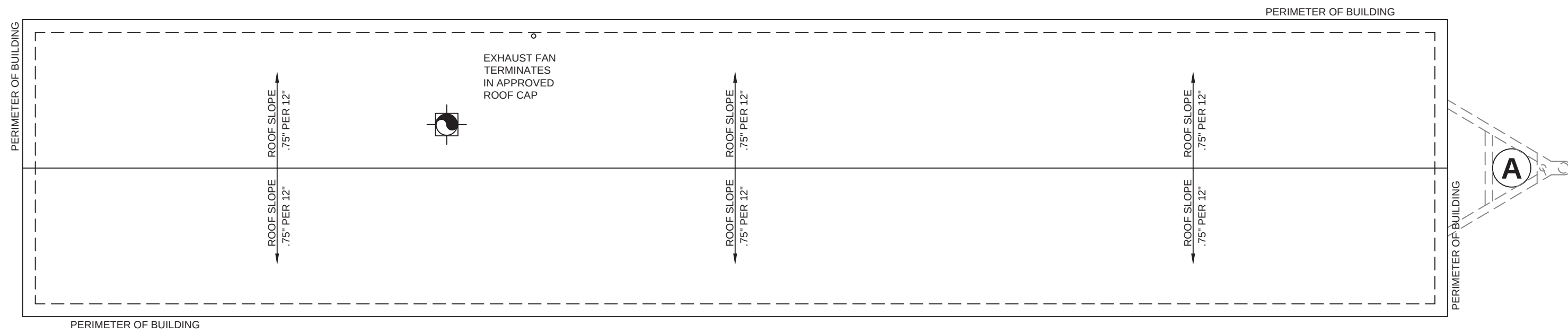


		UNITED RENTALS 100 FIRST STAMFORD PLACE - STE #700 STAMFORD, CT 06902 (912) 381-6297	
DEALER:		FIRST STRING SPACE 892 RAILROAD AVENUE EAST DOUGLAS, GA 31535 (912) 384-7080	
MANUFACTURER:		FLOOR & LIFE SAFETY / EGRESS PLANS	
DATE: 9-13-2024	BUILDING SIZE: 12'x56'	SERIAL NO.: STOCK	DRAWING NO.: FSS-2024-0010
SCALE: 1/4"=1'-0"	DESTINATION:	STATE(S): AL,AR,CT,DE,FL,GA,IN,KS,LA,ME,MD,MJ,MN,MO,MS,NE,NJ,NY,NC,ND,OK,PA,RI,SC,SC,TN,TX,VA,WI,WV	
DRAWN BY: J.L.B.	DATE: 10/20/2024	BY: N.T.	DESCRIPTION: SHEET: A2
THIRD PARTY: EMC EXPERT MODULAR CONSULTANTS, LLC 13103 W. LINEBAUGH AVE. SUITE 102 TAMPA, FLORIDA 33626 TEL. NO. (813) 336-4930		N.T. ROBERT E. GREGG, R.A. CONSULTING ENGINEER 58065 GLENVIEW DR GOSHEN, IN 46526 PH: (574) 370-3419	
R.E.G. ROBERT E. GREGG, R.A. REGISTERED ARCHITECT 1008 WOODRUFF AVE CLEARWATER, FL 33765 NJ RA LIC #: 21A01541400		EMC NO. FSS-UR-12-56 STOCK # MW56C MD NO. FSS-UR-12-56 TAMPA, FLORIDA 33626 OCCUP: B	



REFLECTED CEILING PLAN

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

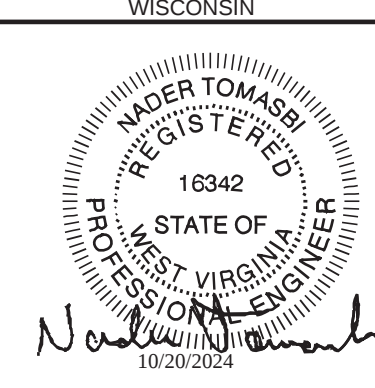
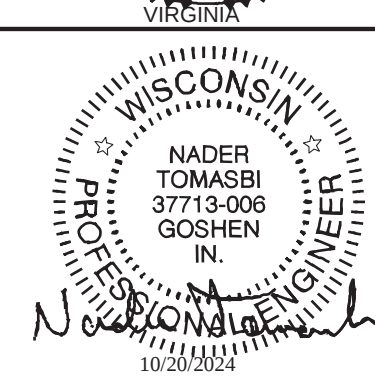
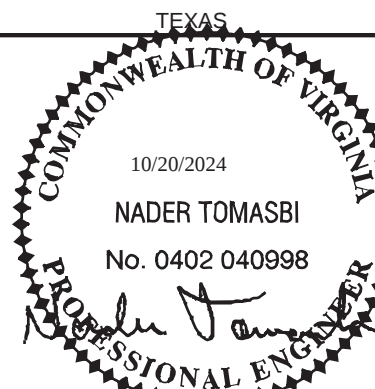
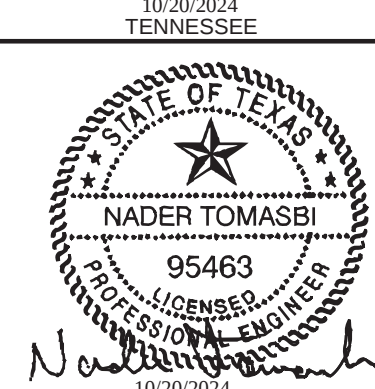
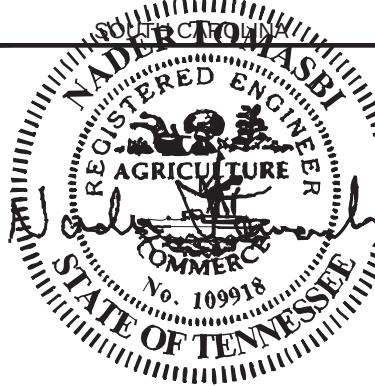
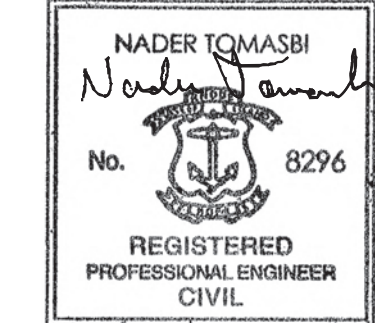
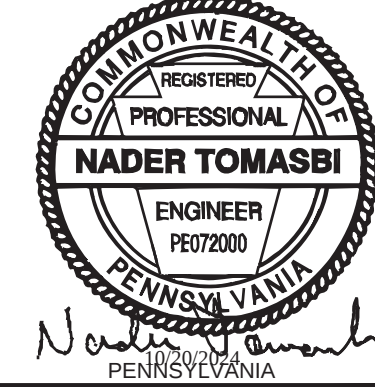


ROOF PLAN

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

A/C AND LIGHT SYMBOLS

- 2x4' LED TROFFER (2-TUBE - 40w - 5000K)
- 10'x10' SUPPLY GRILL
- 14'x14' RETURN AIR GRILL



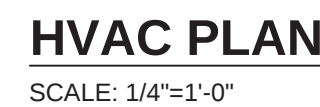
TN PLAN NO. #: FSS-475



TEXAS INDUSTRIALIZED BUILDING CODE COUNCIL
This document is approved pursuant to the Industrialized Housing and Building Act.
DRA No. 21 IBC ✓ IRC
Date: 10 21 2024
DRA Signature: [Signature]

ALABAMA	ARKANSAS	CONNECTICUT	DELAWARE	FLORIDA	GEORGIA	INDIANA	KANSAS	LOUISIANA	MAINE
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 31534, Expiration Date: 4/25/2025									
MARYLAND	MICHIGAN	MINNESOTA	MISSOURI	MISSISSIPPI	NEBRASKA	NEW JERSEY	NEW YORK	NORTH CAROLINA	NORTH DAKOTA

	UNITED RENTALS 100 FIRST STAMFORD PLACE - STE #700 STAMFORD, CT 06902 (912) 381-6297		
	FIRST STRING SPACE 892 RAILROAD AVENUE EAST DOUGLAS, GA 31535 (902) 384-7080		
	REFLECTED CEILING & ROOF PLANS		
	DATE: 9-13-2024 SCALE: 1/4"=1'-0" DRAWN BY: J.L.B.	BUILDING SIZE: 12'x56' DESTINATION: STATE(S): AL AR CT DE FL GA IN KS LA ME MD MI MN MO MS NE NJ NY NC ND OK PA RI SC TN TX VA WI WV REV. DATE BY DESCRIPTION	SHEET: A3 PAGE 5 of 9 EMC NO. FSS-UR-12-56 SICK-MW-62 MD NO. FSS-UR-12-56 TAMPA, FLORIDA 33626 PH: (774) 370-3419



NONMETALLIC DUCTS SHALL BE CONSTRUCTED WITH CLASS 0 OR CLASS 1 DUCT MATERIAL AND SHALL COMPLY WITH UL 181.

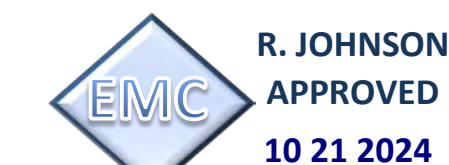
FIBROUS DUCT CONSTRUCTION SHALL CONFORM TO THE SMACNA/ANSI FIBROUS GLASS DUCT CONSTRUCTION STANDARDS OR NAIMA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.

THE AIR TEMPERATURE WITHIN NONMETALLIC DUCTS SHALL NOT EXCEED 250°F (121.1°C).

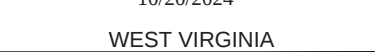
NONMETALLIC DUCTS SHALL BE MIN R-6 OR BETTER

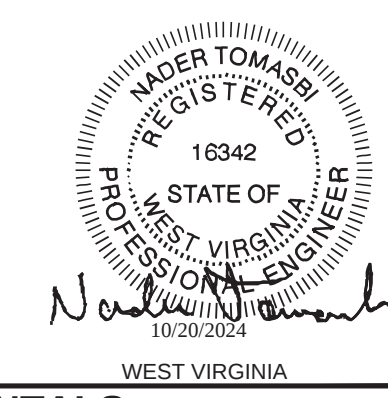
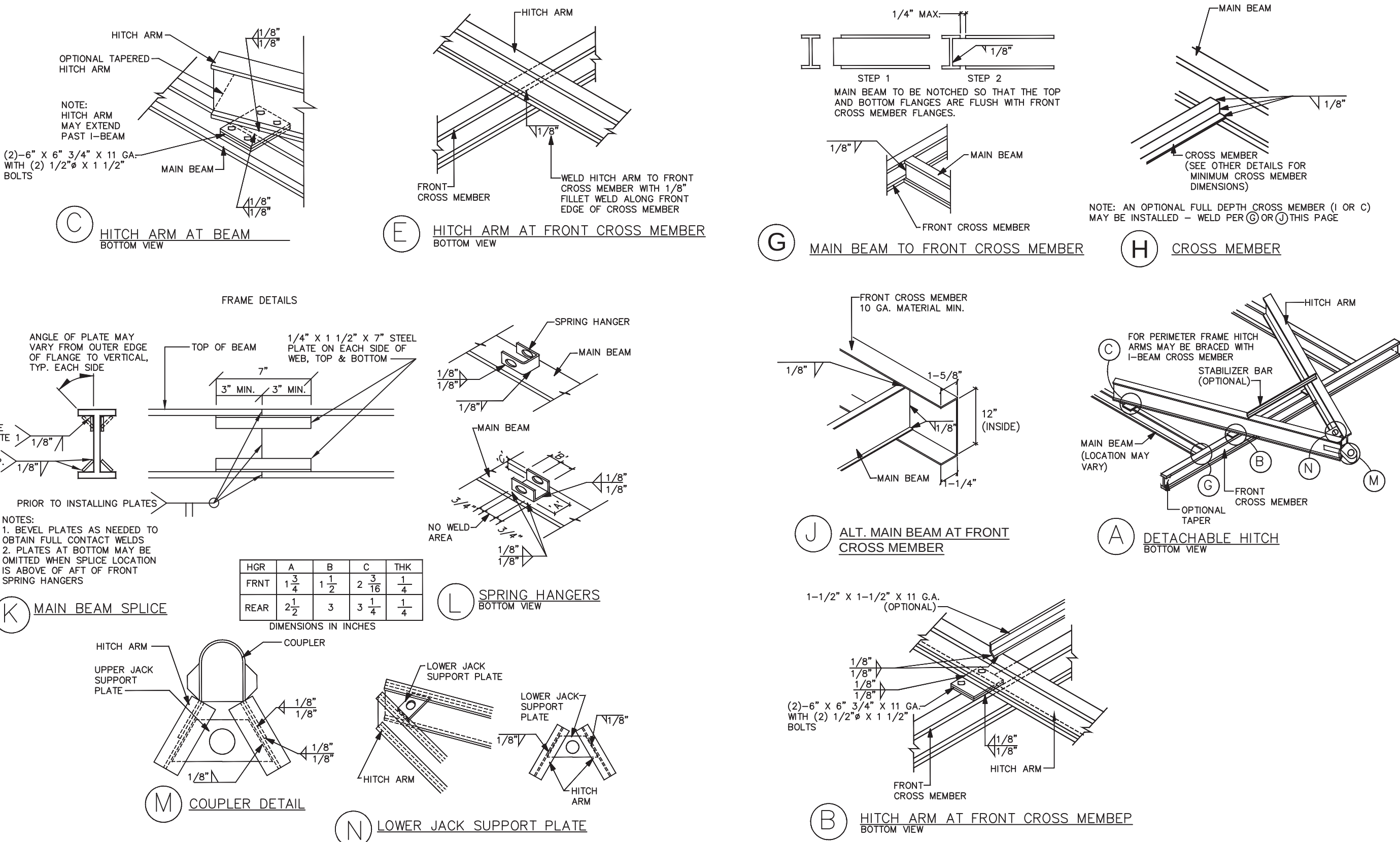
FRESH AIR VENTILATION:

OCCUPANT DENSITY: (654 / 1000) x 35 = 23 PEOPLE
PEOPLE RATE = 23 PEOPLE @ 5 CFM = 115 CFM
AREA RATE = 654 @ .06 CFM = 40 CFM
TOTAL CFM REQUIRED = 155 CFM
288 CFM OF OUTSIDE AIR/VENTILATION PROVIDED
THROUGH FACTORY INSTALLED FRESH AIR INTAKE
288 > 155 = OK = PASS

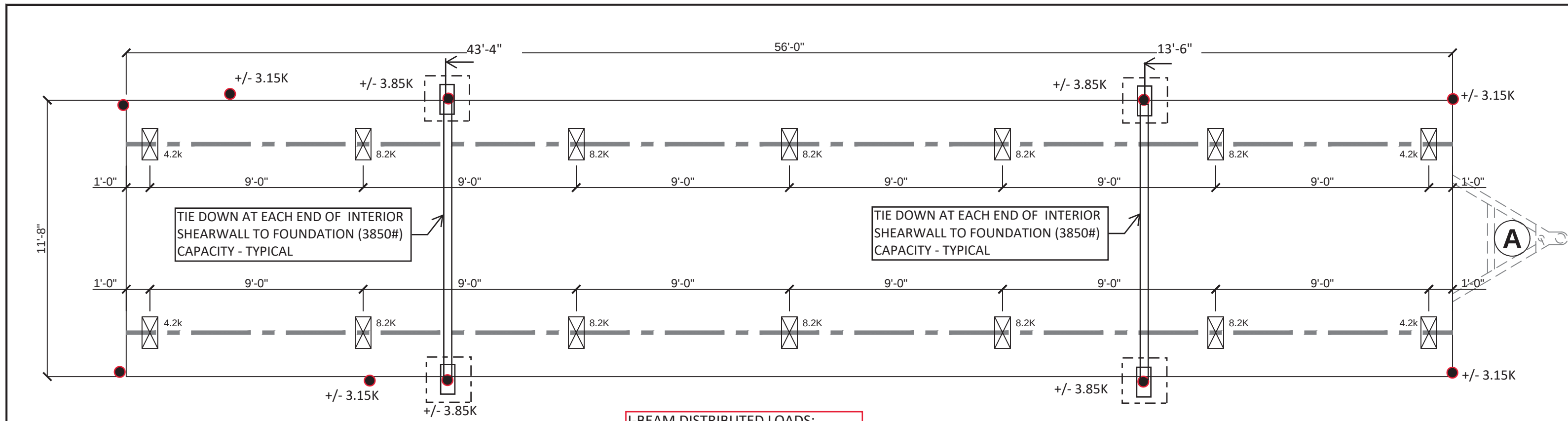


TEXAS INDUSTRIALIZED BUILDING CODE COUNCIL
This document is approved pursuant to
the Industrialized Housing and Buildings Act.
DRA No. 21 **IBC** ☒ **IRC**
Date: 10 21 2024
DRA Signature: 


[illegible]



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HL = 159 PLF - END AREAS
HL = 105 PLF - INTERIOR AREA

KIP LOAD PLAN

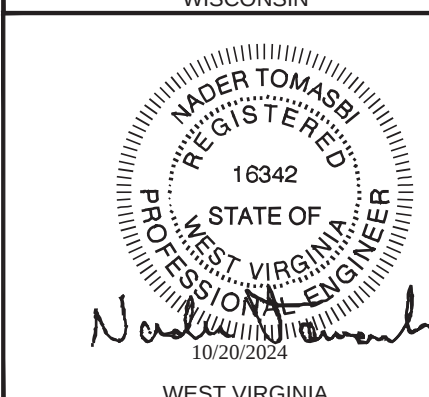
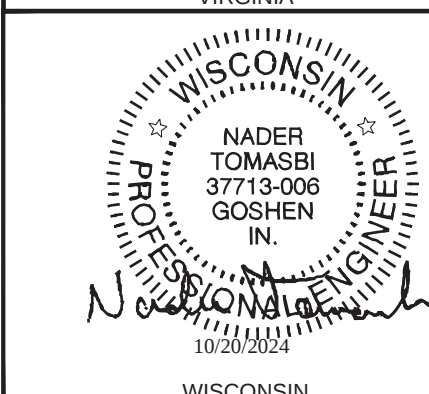
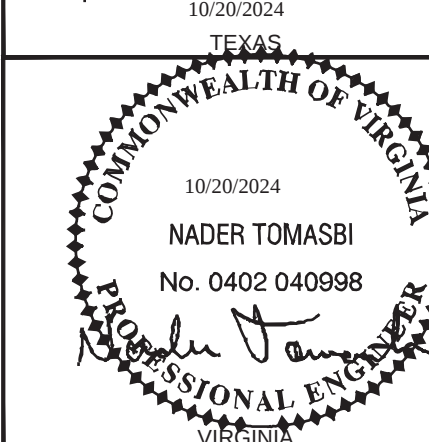
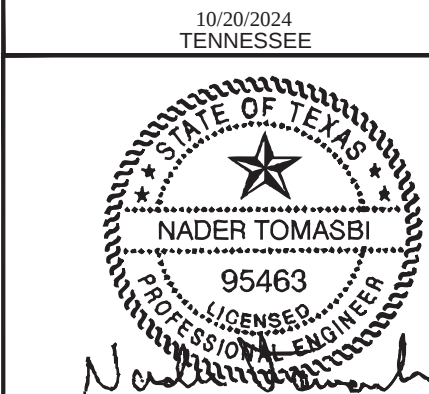
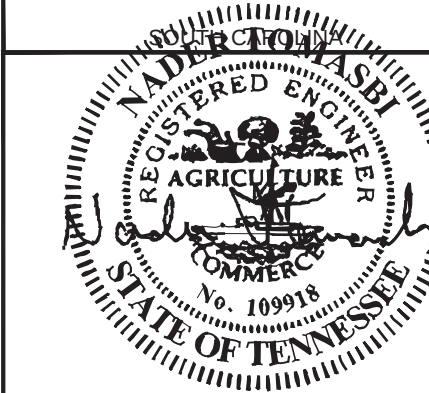
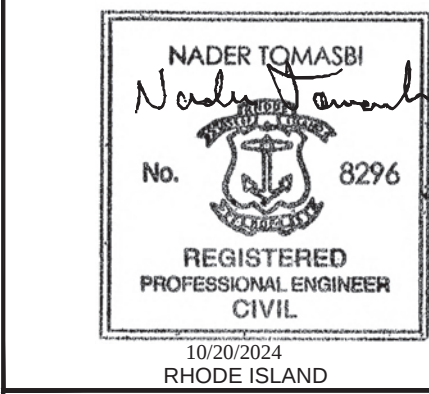
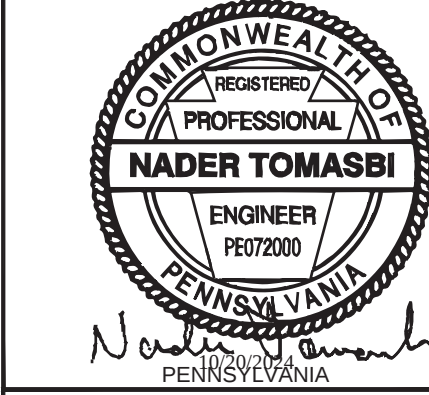
SCALE: 1/4"=1'-0"

KIP LOAD PLAN NOTES:

- THIS PLAN DOES NOT SHOW FOUNDATION SUPPORT OR TIE-DOWN SYSTEMS. THESE ARE TO BE DESIGN BY A STRUCTURAL ENGINEER FAMILIAR WITH THE PROJECT SITE CONDITIONS
- THE FOLLOWING LOADS HAVE BEEN USED IN THE SIZING OF THE KIP LOADS FOR THIS PLAN:
 - FLOOR LIVE LOAD: 50 PSF
 - FLOOR DEAD LOAD: 12 PSF
 - WALL LOAD: 12 PSF
 - GROUND SNOW LOAD: 60 PSF
 - ROOF DEAD LOAD: 13 PSF
 - OVERAGE: 8 PSF
- SOIL BEARING PRESSURE: 2500 PSF (ASSUMED)

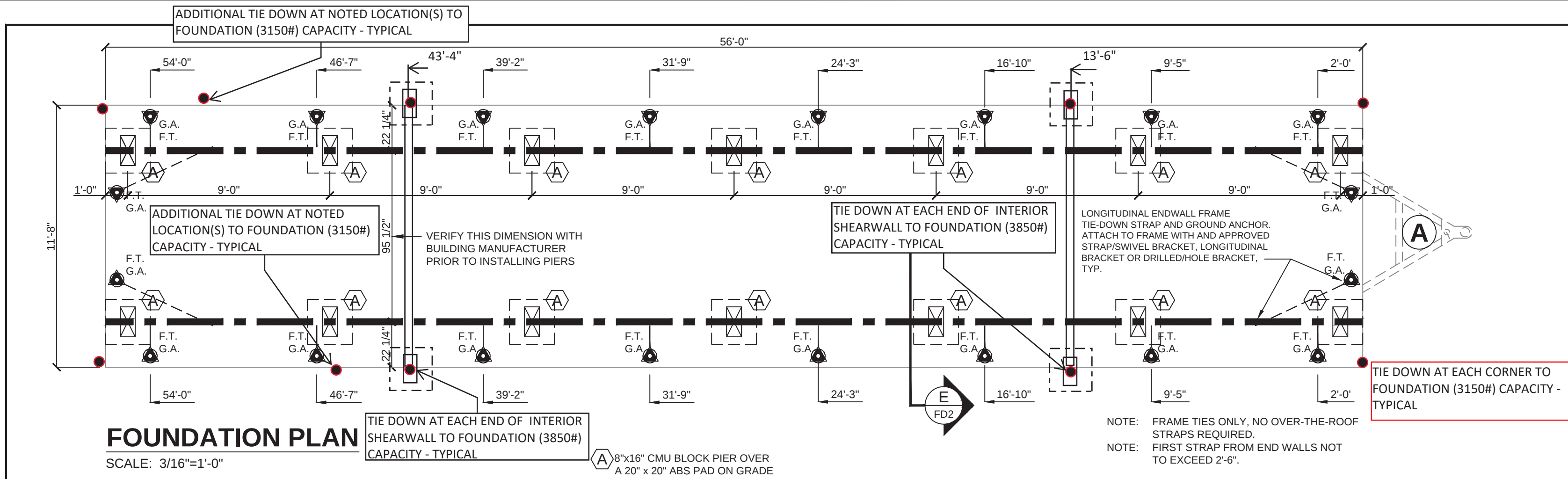
R. JOHNSON
APPROVED
10 21 2024

TEXAS INDUSTRIALIZED BUILDING CODE COUNCIL
This document is approved pursuant to the Industrialized Housing and Building Act.
DRA No. 21 IBC JRC
Date: 10 21 2024
DRA Signature: [Signature]



TN PLAN NO. #: FSS-475

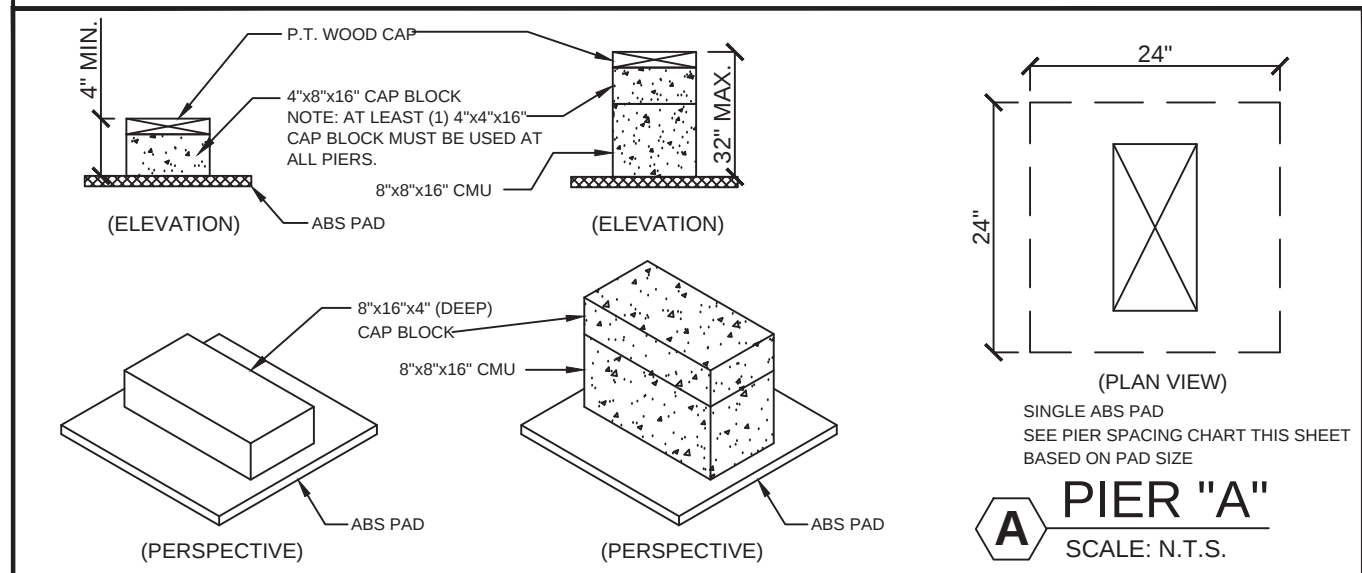
	UNITED RENTALS 100 FIRST STAMFORD PLACE - STE #700 STAMFORD, CT 06902 (912) 381-6297		
	FIRST STRING SPACE 892 RAILROAD AVENUE EAST DOUGLAS, GA 31535 (912) 384-7080		
	KIP LOAD PLAN		
	DATE: 9-13-2024 SCALE: 1/4"=1'-0" DRAWN BY: J.L.B.	BUILDING SIZE: 12'x56' DESTINATION: STOCK STATE(S): AL,AR,CT,DE,FL,GA,IN,KS,LA,ME,MD,MN,MO,MS,NE,NJ,NY,NC,ND,OK,PA,RI,SC,TN,TX,VA,WI,WV	SERIAL NO.: STOCK DRAWING NO.: FSS-2024-0010
	REV. DATE. BY. DESCRIPTION		
	SHEET: K1		
	THIRD PARTY: EMC		
	EMC NO. FSS-UR-12-56 FSS-UR-12-56 MD NO. FSS-UR-12-56 OCCUP. B		



FOUNDATION PLAN

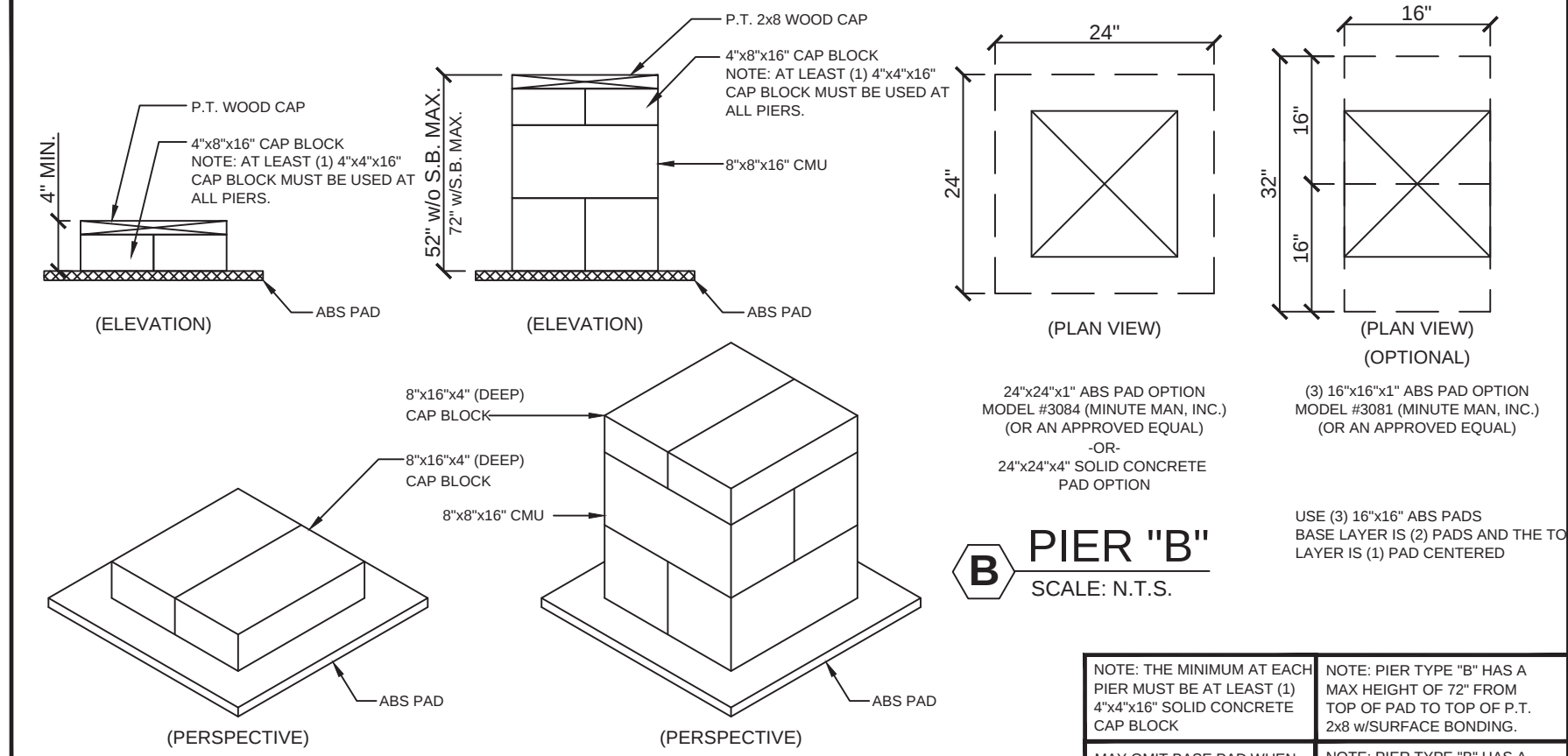
SCALE: 3/16"=1'-0"
WIND: 160/124 (Vult/Vasd) MPH - EXP. C
SOIL: 2000 P.S.F.

PAD SIZE	ID NO.	PAD AREA	1000 PSF	1500 PSF	2000 PSF	2500 PSF	3000 PSF
Square 16" x 16"	1055-14	256 sq. in.	1778 lbs.	2664 lbs.	3556 lbs.	4445 lbs.	5333 lbs.
Square 18.5" x 18.5"	1055-9	342 sq. in.	2375 lbs.	3550 lbs.	4750 lbs.	5935 lbs.	7100 lbs.
Square 20" x 20"	1055-7	400 sq. in.	2750 lbs.	4125 lbs.	5500 lbs.	6875 lbs.	8250 lbs. *
Square 24" x 24"	1055-13	576 sq. in.	4000 lbs.	6000 lbs.	8000 lbs. *	10000 lbs. *	12000 lbs. *
Square 24" x 24"	1055-26	576 sq. in.	4000 lbs.	6000 lbs.	8000 lbs. *	10000 lbs. *	12000 lbs. *

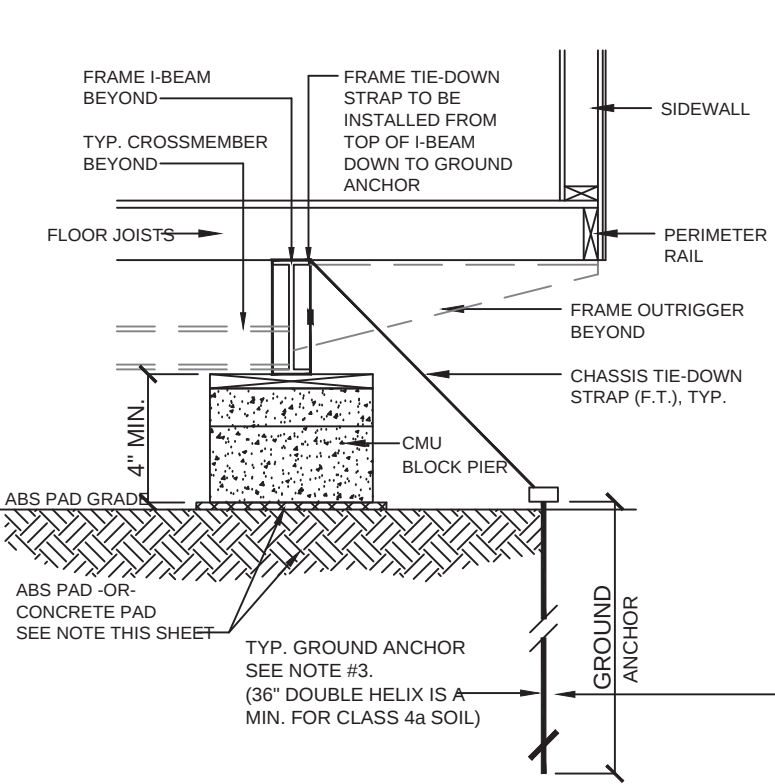


NOTE: MINIMUM SIZE OF BASE PAD FOR PIER "A" IS 24"x24" OR 4.00 SQUARE FEET. ANY BASE PAD (CONCRETE OR ABS) SIZE MAY BE USED THAT IS EQUAL TO OR GREATER THAN 4.00 SQUARE FEET.

NOTE: SEE CHART FOR PIER SPACING BASED ON SIZE OF PIER PAD. MAY OMIT BASE PAD WHEN INSTALLED OVER CONCRETE SURFACE. NOTE: PIER TYPE "A" HAS A MAX HEIGHT OF 32" FROM TOP OF PAD TO TOP OF P.T. 2x8 W/O SURFACE BONDING. PIER "A" PAD SIZES: 24"x24"x1" ABS PAD (ID # 1055-13 OTI) (OR AN APPROVED EQUAL OR BETTER)



NOTE: MINIMUM SIZE OF BASE PAD FOR PIER "B" IS 24"x24" OR 4.00 SQUARE FEET. ANY BASE PAD (CONCRETE OR ABS) SIZE MAY BE USED THAT IS EQUAL TO OR GREATER THAN 4.00 SQUARE FEET.



SECTION "E"
SCALE: N.T.S.

NOTE: STRAP MAY BE EITHER WRAPPED AROUND I-BEAM AND A DOUBLE CRIMP USED OR AN APPROVED J-HOOK MAY BE USED SUBJECT TO JURISDICTION APPROVAL. (NOTE: STRAP MUST BE PROTECTED FROM DIRECT CONTACT WITH ALL EDGES OF I-BEAM)

NOTE: IF MODULAR BUILDING IS LOCATED OVER A CLASS 1 (ROCK) SURFACE A CROSS DRIVE ANCHOR (MD#36-XDH (MINUTE MAN PRODUCTS, INC.) OR AN APPROVED EQUAL CAN BE SUBSTITUTED

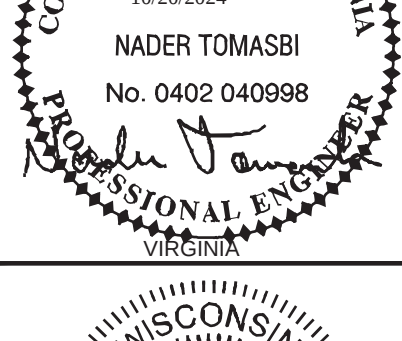
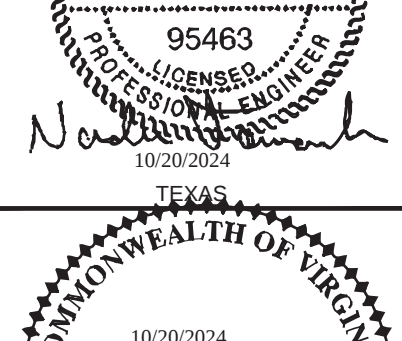
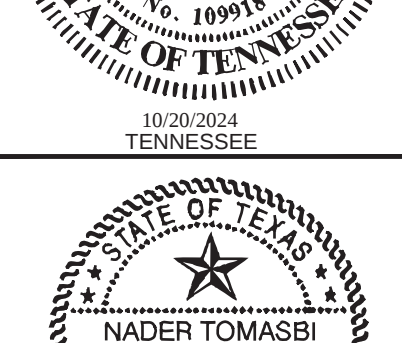
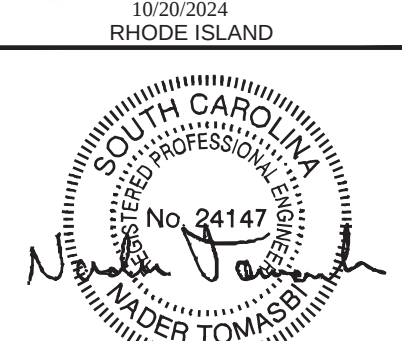
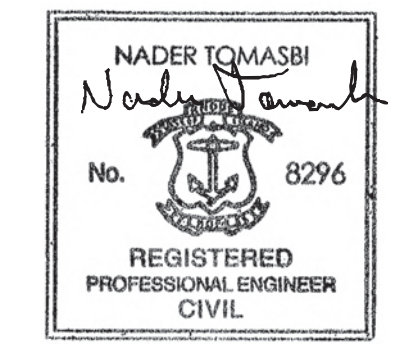
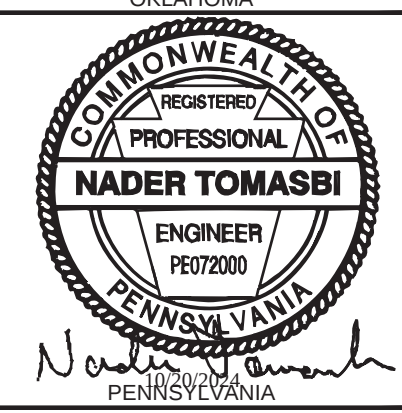
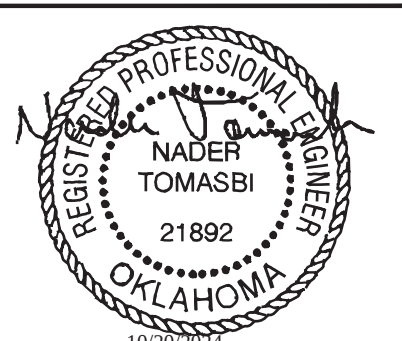
NOTE: IF MODULAR BUILDING IS LOCATED OVER AN ASPHALT PARKING SURFACE THEN AN ASPHALT ANCHOR (MD#59357 (TIE-DOWN ENG. INC.) OR AN APPROVED CROSS DRIVE ANCHOR OR EQUAL CAN BE SUBSTITUTED

NOTE: IF MODULAR BUILDING IS LOCATED OVER A MIN. 4" THICK 3000 P.S.I. CONCRETE SURFACE A TENSION HEAD W/SLAVE ANCHOR (MD#THDLS (MINUTE MAN PRODUCTS, INC.) OR AN APPROVED EQUAL CAN BE SUBSTITUTED



FOUNDATION NOTES:

- 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 10A.11 OF THE 2018 NBCI B/C 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 QQ-181H, TYPE I, FINISH: GRADE 1. TIE-DOWN STRAPS AND CONNECTING HARDWARE TO HAVE A 4,750# MINIMUM ULTIMATE CAPACITY (3,150# x 1.5).
- ALL TIE-DOWN ANCHORS SHALL HAVE A 4,750# 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 HELICES, 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 24"x24" ABS PADS, MIN. EXCEPT AS OTHERWISE NOTED ON FOUNDATION PLAN. SEE PIER SPACING CHART FOR ADDITIONAL SIZE OPTIONS.
- MINIMUM SOIL BEARING CAPACITY IS 2,000 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 OR CEDAR AND BEARING AT ALL CONTACT POINTS.
- MASONRY PIERS INSTALLED IN A DRY STACK SUBJECT TO LOCAL JURISDICTION AND APPROVAL.
- OVERALL WIDTH DIMENSION IS NOMINAL AND IS BASED ON UNIT WIDTH + NUMBER OF UNITS. ACTUAL OVERALL WIDTH MAY INCREASE DUE TO SITE CONDITIONS, MATERIAL TOLERANCE, FAILURE TO REMOVE CLOSE-UP MATERIAL AND/OR OTHER FACTORS BEYOND THE CONTROL OF THE BUILDING MANUFACTURER.
- PIER A: FIELD CONDITIONS WITH DRY STACK PIERS GREATER THAN 32" 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 52" SHALL REQUIRE THE PIERS TO HAVE SURFACE BONDING TO A MAXIMUM OF 72" HIGH (ANY PIERS OVER 72" HIGH WILL REQUIRE ENGINEERING BEYOND THE DESIGN OF THIS FOUNDATION).
- ALTHOUGH NOT SHOWN IN THIS DESIGN WHERE/WHEN REQUIRED BY LOCAL JURISDICTION ALL MASONRY PIERS MAY BE LAID IN TYPE "N" OR "S" MORTAR IN COMPLIANCE WITH MCM 2801 OR SHALL HAVE SURFACE BONDING MORTAR IN COMPLIANCE WITH MCM 2801.
- ALL PIERS SHALL BE CAPPED WITH 4 INCHES OF SOLID MASONRY OR CONCRETE OR THE CAVITIES SHALL BE FILLED WITH CONCRETE OR GROUT. PIERS SHALL PROVIDE A TRUE AND EVEN BEARING SURFACE.
- 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 PRIOR TO CONSTRUCTION OF THE FOUNDATION TO DETERMINE THE AMOUNT OF INCREASED WIDTH TO BE ADDED TO THE NOMINAL DIMENSIONS SHOWN ABOVE.
- 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.
- PROVIDE POSITIVE DRAINAGE UNDER UNIT.
- UNDERGROUND UTILITY LOCATIONS ARE THE RESPONSIBILITY OF OTHERS. ALL UNDERGROUND UTILITY LOCATIONS MUST BE VERIFIED PRIOR TO ANY EXCAVATION.



First String Space Inc.
OUR STRENGTH IS TEAMWORK

MANUFACTURER:

DATE: 9-13-2024
SCALE: 1/4"=1'-0"
DRAWN BY: J.L.B.

REV. DATE BY DESCRIPTION

FOUNDATION PLAN & DETAILS - ABS

DATE: 9-13-2024
BUILDING SIZE: 12'x56'
SCALE: 1/4"=1'-0"
DRAWING NO.: FSS-2024-0010

STATE(S): AL,AR,CT,DE,FL,GA,IN,KS,LA,ME,MD,MN,MO,MS,NE,NJ,NY,NC,ND,OK,PA,RI,SC,TN,TX,VA,WI,WV

FD1-A

PAGE 1 of 1

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R.E.G.
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N.J.A.L.C. # 23A01541400