BUILDING CODES	
LEGAL JURISDICTION BUILDING CODE ELECTRICAL CODE PLUMBING CODE MECHANICAL CODE ENERGY CODE OCCUPANCY CLASSIFICATION OCCUPANT LOAD TYPE OF CONSTRUCTION	COLORADO 2012 IBC 2014 NEC 2012 IPC 2012 I MC 2012 I ECC B 7 VB
ROOF SNOW LOAD WIND LOAD SEISMIC ZONE GAS TYPE	50 PSF 100 PSF EXP.C / QS = 130 MPH / 31.0 PSF 1C NONE

GENERAL NOTES::

1. SITE PLAN UNAVAILABE AT THIS TIME, BUILDING DESIGNED TO BE 21'-0" FROM COMMON PROPERTY LINE AS PER IBC TABLE 602

2 STAIRS RAMPS ETC BY OTHERS

3. ON PANEL BOX USE #4 BARE COPPER WIRE FROM GROUNDING LUG ON PANEL BOX TO SOLDERLESS GROUNDING BOLT THRU FRAME. EMPTY 1/2" PVC RACEWAY. (SAME LENGTH AS ENTRANCE) FOR CUSTOMER INSTALLED GROUND WIRE.

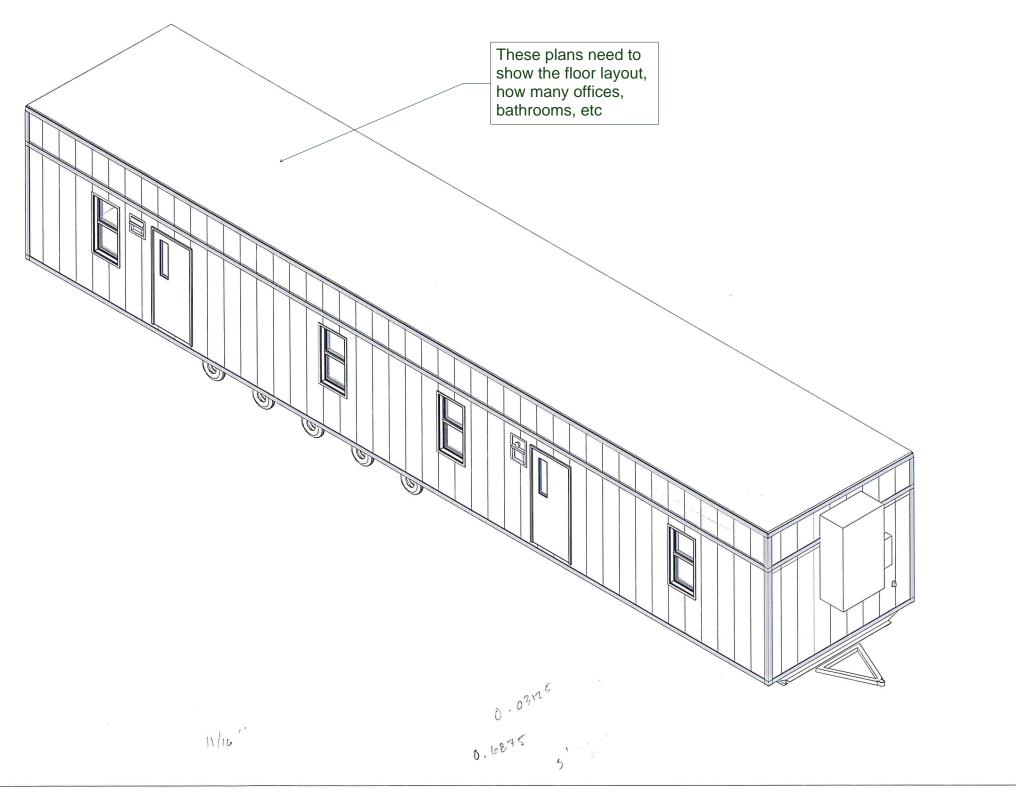
4. SERVICE GROUND BY OTHERS AS PER NEC 2011

5. THE COMPLETED DATA PLATE IS ATTACHED IN THE VICINITY OF THE ELECTRICAL PANEL BOX. STATE LABEL IS AFFIXED TO THE BUILDING ON THE BOTTOM LEFT SIDE OF THE REAR WALL OF THE BUILDING.

6. PLUMBING FACILITIES MUST BE PROVIDED IN AN ADJACENT BUILDING ON THE SAME PROPERTY AS PER LOCAL BUILDING DEPARTMENT REQUIREMENTS

SQ FT = 705 OCCUPANT LOAD = 7

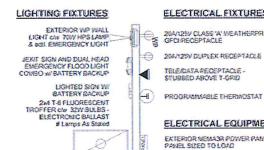
SHEET LIST					
SHEET NO.	SHEET NAME				
A00	COVER PAGE				
A01	EQUIPMENT PAGE				
A02	CONSTRUCTION PAGE				
D01	CROSS SECTION				
D02	ELEVATIONS				
E01	ELECTRICAL PLAN				
F01	FASTENING SCHEDULE				
F02	FOUNDATION PAGE				
M01	MECHANICAL PLAN				



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SYMBOLS CHART



LIGHTING SWITCHES

15A/125V SINGLE POLE SMITCH

15A/125V THREE-WAY SWITCH

ELECTRICAL FIXTURES

204125V CLASS A MEATHERPROOF S GECIREOSPTACLE

STUBBED ABOVE T-GRID

PROGRAMMABLE THERMOSTAT

ELECTRICAL EQUIPMENT

STANDARD OUTLET MOUNTING HEIGHTS

	MTG HT		MTG HT
ELECTRICAL BOX TYPE	(AFF)	ELECTRICAL BOX TYPE	(AFF)
DUPLEX RECEPTACLE	16	TELE/DATA OUTLET	16
EXTERIOR LIGHT	78	EXTERIOR RECEPT.	16
THERMOSTAT - CL	60	WATER HEATER	16
KITCHEN GFCI	42	VANITY GFCI	38
LIGHT SWITCH	44		

	LIGHTING FIXTURES SCHEDULE
Count	Description
6	2x4 T-8 FLUORESCENT TROFFER dw 4 LAMPS@32W - ELECTRONIC BALLAST
1	EXIT SIGN AND DUAL HEAD EMERGENCY FLOOD LIGHT COMBO w/ BATTERY BACKUP
1	EXTERIOR WP WALL LIGHT c/w 70W HPS LAMP & adtl. EMERGENCY LIGHT
1	EXTERIOR WP WALL LIGHT C/W 70W HPS LAMP
1	LIGHTED EXIT SIGN W/ BATTERY BACKUP

Count	Description	
2	15A/125V SINGLE POLE SWITCH	
1	15A/125V SINGLE POLE SWITCH W/ OCCUPANCY SENSOR	

	ELECTRICAL FIXTURES SCHEDULE	
Count	Description	
1	20A/125V CLASS 'A' WEATHERPROOF GFCI RECEPTACLE	
11	20A/125V DUPLEX RECEPTACLE	
1	HEAT/COOL THERMOSTAT	
6	TELE/DATA OUTLET	

	ELECTRICAL EQUIPMENT SCHEDULE				
Count	Model				
1	EXTERIOR POWER PANEL - NEMA3R				

PP-01

100A, 120/240V, 1 DIA, 3w, 60Hz panelboard c/w 2p 100 main NEMA3r 2"EMT stub down incoming power

Wire	Circuit	Load Name	<rating> /<num< th=""><th><rating>/<number of="" poles="">/</number></rating></th><th>Load Name</th><th>Circuit</th><th>Wire</th></num<></rating>	<rating>/<number of="" poles="">/</number></rating>	Load Name	Circuit	Wire
/6\	1	HVAC	60 A/2/	20 A/1/	Receptacle	2	/12\
/6\	3			20 A/1/	WP GFCI	4	/12\
/12\	5	Lighting	20 A/1/			6	
	7					8	
	9					10	
	11					12	

1. WIRING METHOD TO BE ROMEX, COPPER, HOME RUN TO BE EMT CONDUIT W/ COPPER WIRE, MINIMUM #12AWG

- 2. BLANK SPACES IN PANEL MAY BE OMITTED TO MAKE US OF SMALLER PANELS. BREAKER SIZE AND QUANTITY SHALL REMAIN THE
- 3. ALL ELECTRICAL CONNECTIONS TO BE MOUNTED 14" AFF UNLESS OTHERWISE SPECIFIED. ALL HEIGHTS ARE MEASURED TO THE BOTTOM OF BOX.
- 4. TELE/DATA OUTLETS ARE TO HAVE A 3/4" FLEXIBLE CONDUIT STUBBED UP INTO THE CEILING SPACE UNLESS NOTED.
 5. ALL CONDUIT TO CONTAIN AN INSULATED GROUND CONDUCTOR SIZED AS REQUIRED BY 2011 N.E.C., MINIMUM #14 AWG.
- 6. ELECTRICAL INSTALLATION SHALL BE IN COMPLIANCE WITH 2011 N.E.C.
- ALL WIRING IN RETURN AIR PLENUMS SHALL MEET RATING REQUIREMENTS OF 2011 N.E.C.
- 8. MOUNTING HEIGHTS FOR ALL WALL MOUNTED DEVICES SHALL BE FROM FLOOR TO BOTTOM OF DEVICE BOX
 9. ALL 125 VOLT, 15&20 AMP RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES (2011 N.E.C., ART. 406-11)
- 10.ALL CIRCUITS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER (COMB. TYPE)
- 11. REMOVE ALL GROUNDING BONDS FROM APPLIANCES.

PP-01 // CALCULATION AMPS						
CKT	Load Name	Qty	AMPS	Phase A	Phase B	
1,3	HVAC	1	41.67 A	41.67	41.67	
2	Receptacle	11	16.5 A	-	16.25	
4	WP GFCI	1	1.5 A	1.5	-	
5	Lighting	9	10.44 A	10.44	•	

TOTAL CALCULATED AMPS

57.92 53.61

LOAD CALCULATION TOTAL COMPLE	<u>X</u>	
<u>LP-01</u> LIGHTING LOAD =708 SQFT X 3.5 VA	2 468	VA
HEATING LOAD 1 @ 15kw = Total	15 000 17 468	VA
MINIMUM SERVICE SIZE		
17 468 VA / 240v	72.8A	

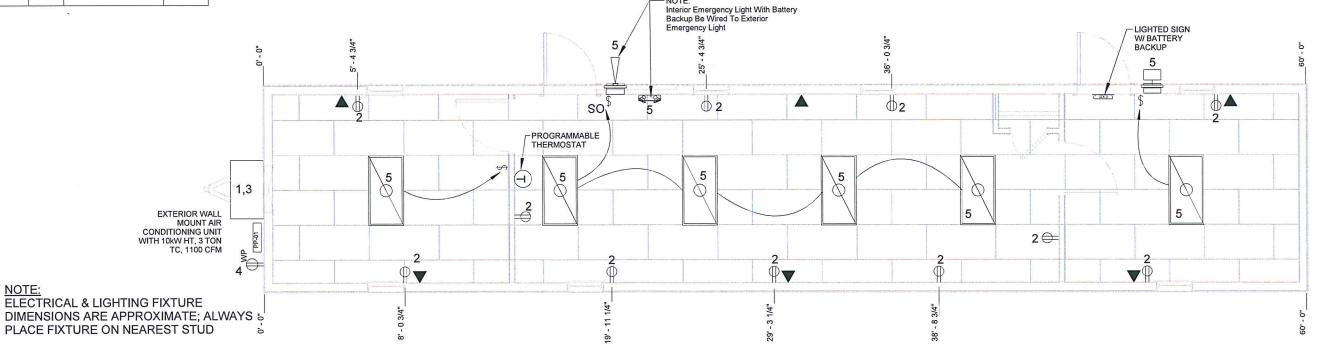
WIRING LEGEND

/6\ - 6 AWG THHN WIRE

/8\ - 8 AWG THHN WIRE

/ 10 \ - 10 AWG THHN WIRE

/ 12 \ - 12 AWG THHN WIRE



E01 ELECTRICAL PLAN 3/16" = 1'-0"

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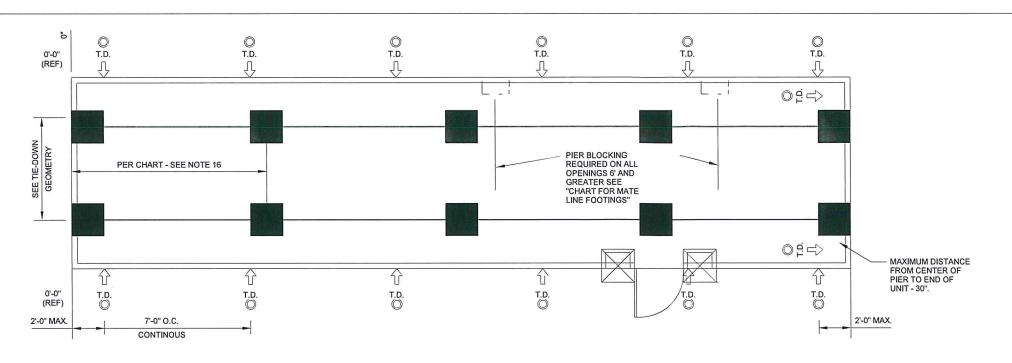
DESCRIPTION	SPACING	FASTENER		
MOBILE FLEX TO JOIST	3" O.C. PERIMETER	16 GA. 1-1/4" X 1		
FLOOR, WALL, & ROOF				
JOIST TO PLATE 2X4	3 PER JOIST	3" X .131 FRAMING NAIL		
JOIST TO PLATE 2X6	3 PER JOIST	3" X .131 FRAMING NAIL		
JOIST TO PLATE 2X8	4 PER JOIST	3" X .131 FRAMING NAIL		
JOIST TO PLATE 2X10	4 PER JOIST	3" X .131 FRAMING NAIL		
JOIST TO PLATE 2X12	5 PER JOIST	3" X .131 FRAMING NAIL		
DOUBLE RIM JOIST	4" O.C. STAGGERED	3" X .131 FRAMING NAIL		
DOUBLE TOP PLATE	4" O.C. STAGGERED	3" X .131 FRAMING NAIL		
3/8" OSB/PLYWOOD TO JOIST	4" O.C. ON EDGE 8" O.C. FIELD	15 GA. 2-1/2" X 7/16" STAPLE		
7/16" OSB/PLYWOOD TO JOIST	4" O.C. ON EDGE 8" O.C. FIELD	15 GA. 2-1/2" X 7/16" STAPLE		
7/16" OSB/PLYWOOD TO STUD (SHEAR WALLS)	6" O.C. ON EDGE 6" O.C. FIELD	15 GA. 2-1/2" X 7/16" STAPLE		
1/2" OSB/PLYWOOD TO JOIST	4" O.C. ON EDGE 8" O.C. FIELD	15 GA. 2-1/2" X 7/16" STAPLE		
5/8" T&G PLYWOOD TO JOIST	4" O.C. ON EDGE 8" O.C. FIELD	15 GA. 2-1/2" X 7/16" STAPLE		
	16" O.C. ON EDGE 16" O.C. FIELD	#8 X 1-3/4" WOODSCREW		
3/4" 5/8" T&G PLYWOOD TO JOIST	4" O.C. ON EDGE 8" O.C. FIELD	15 GA. 2-1/2" X 7/16" STAPLE		
	16" O.C. ON EDGE 16" O.C. FIELD	#8 X 1-3/4" WOODSCREW		
1/2" CDX TO JOIST	6" O.C. ON EDGE 12" O.C. FIELD	7/16" X 1-1/2" STAPLE		
SMARTPANEL TO STUD	6" O.C. ON EDGE 12" O.C. FIELD	WIRE COIL NAIL 2-1/4" X .092		
MESA SIDING TO STUD	BOTTOM, MIDDLE, TOP EVERY LOW PANEL	1-1/2" WOODGRIP SCREW		
LOW RIB SIDING TO STUD	BOTTOM, MIDDLE, TOP EVERY LOW PANEL	1-1/2" WOODGRIP SCREW		
7/16" FR DECKING TO JOIST	CONTINUOUS	HENKEL MB/44 ADHESIVE		
THE RESIDENCE OF THE STATE OF T	4" O.C. ON EDGE 8" O.C. FIELD	15 GA. 2-1/2" X 7/16" STAPLE		
	16" O.C. ON EDGE 16" O.C. FIELD	#8 X 1-3/4" WOODSCREW		
1/2" VCG	8" O.C. ON EDGE	7/16" X 1-1/2" STAPLE		
	SOLID BEAD DOWN FIELD STUD	FOAM ADHESIVE		
5/8" VCG	8" O.C. ON EDGE	7/16" X 1-1/2" STAPLE		
	SOLID BEAD DOWN FIELD STUD	FOAM ADHESIVE		
1/2" PLAIN GYPSUM	12" O.C. ON EDGE 12" O.C. FIELD	#6 X 1-5/8" DRYWALL SCREW		
5/8" PLAIN GYPSUM	12" O.C. ON EDGE 12" O.C. FIELD	#6 X 1-5/8" DRYWALL SCREW		
WALL TO FLOOR	48" O.C.	5/16" X 5" LAG W/ WASHER		
	2 PER FRAMING CELL	3" X .131 FRAMING NAIL		
WALL TO FLOOR (SHEAR WALLS)	48" O.C.	(2) - 5/16" X 5" LAG W/ WASHER		
	2 PER FRAMING CELL	3"X .131 FRAMING NAIL		
WALL TO WALL	24" O.C.	5/16" X 3" LAG W/ WASHER		
	12" O.C.	3" X .131 FRAMING NAIL		
WALL TO ROOF	48" O.C.	5/16" X 5" LAG W/ WASHER		
	2 PER FRAMING CELL	3" X .131 FRAMING NAIL		
WALL TO ROOF (SHEAR WALLS)	48" O.C.	(2) - 5/16" X 5" LAG W/ WASHER		
Value of the state	2 PER FRAMING CELL	3"X .131 FRAMING NAIL		
HURRICANE STRAP TO WALL	SEE F02	1.496" FAB38V5		
PLATE CHORD TO SPLICE				
2X4	CENTERED AT SPLICE	3X5 MITEK TRUSS PLATE		
2X6	CENTERED AT SPLICE	3X5 MITEK TRUSS PLATE		
2X8	CENTERED AT SPLICE	5X6 MITEK TRUSS PLATE		
2X10	CENTERED AT SPLICE	5X6 MITEK TRUSS PLATE		
2X12	CENTERED AT SPLICE	5X6 MITEK TRUSS PLATE		
OUTRIGGER TO JOIST	EVERY OUTRIGGER	1-3/8" X 3" LAG BOLT W/ WASHER		
FLOOR SILL TO FRAME	1 PER CORNER OF BUILDING	1-3/8" X 10" CARRIAGE BOLT		
JOIST TO FRAME	EVERY 48" LENGTH OF BUILDING	1-3/8" X 10" UBOLT		
HEADER DESCRIPTION	MATERIAL			
0-4' ROUGH OPENING	2 - 2X4 #2 SYP SANDWICH W/ 1/2" PLYWOOD			
	2 - 2X4 #2 SYP JACK STUD			
	2 - 2X4 #2 SYP KING STUDS			
4'-6' ROUGH OPENING	2 - 2X6 #2 SYP SANDWICH W/ 1/2" PLYWOOD			
	2 - 2X4 #2 SYP JACK STUD			
	2 - 2X4 #2 SYP KING STUDS			
	I and a property of the second			

Fastening Schedule 3/32" = 1'-0"

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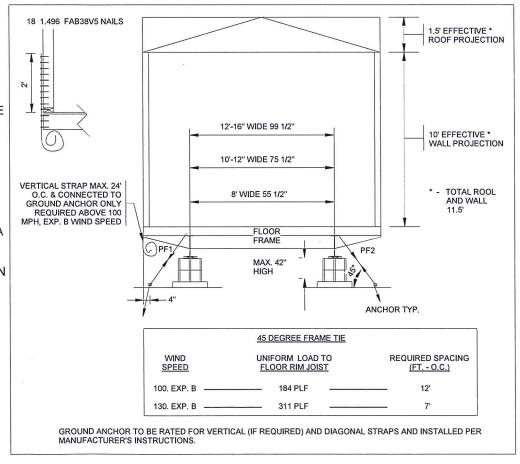
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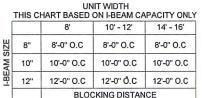




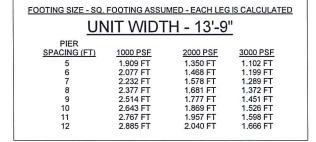
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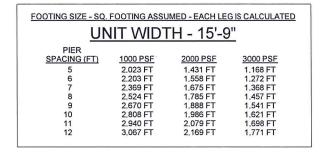
- 1. RECOMMENDED SUPPORT SPACING SHOWN
- 2. THIS FOUNDATION DESIGN IS BASED ON SOIL BEARING CAPACITY PER CHART
- 3. SOIL CAPACITY BASED ON A PLASTICITY INDEX OF 20. NO CONSIDERATION HAS BEEN GIVEN TO GROUNDWATER OR OTHER CONDITIONS THAT MAY AFFECT FOUNDATION STABILITY OR DIFFERENTIAL MOVEMENT. IT IS RECOMMENDED THAT A REGISTERED PROFESSIONAL ENGINEER BE CONSULTED FOR THE SPECIFIC SITE CONDITIONS
- 4. CORROSION PROTECTION WILL BE IN ACCORDANCE WITH CODE
- 5. THIS IS A TEMPORARY FOUNDATION ONLY
- 6 N/A
- 7. PAD REINFORCING CALCULATIONS TO BE BY REGISTERED ENGINEER
- 8. BLOCKING TO BE PLACED AS PER CHART
- 9. TIEDOWN STRAP & DBL. STRAP ANCHOR TO BE WITHIN 2'-0" FROM END OF UNIT
- 10. TIEDOWN STRAP & DBL. STRAP ANCHOR SPACING TO BE NO MORE THAN 12'-0" APART
- 11. TIEDOWN STRAP & DBL. STRAP ANCHOR SPACING TO BE ON EXTERIOR SIDE ONLY IF BUILDING IS A MULTIPLE UNIT COMPLEX UNLESS OTHERWISE NOTED.
- 12. N/A
- 13. DOUBLE TIEDOWN STRAPPING IS REQUIRED ONLY FOR 12' O.C. STRAP SPACING FOR LOCATIONS IN 130 MPH. EXP. B ZONE. OTHERWISE SINGLE STRAP IS ADEQUATE.
- 14. PIER DEAD LOAD ASSUMED TO BE 300 LBS
- 15. ALL OPENINGS GREATER THAN 4'
- 16. FOOTING SIZE TO BE DETERMINED BASED ON UNIT WIDTH, SOIL BEARING CAPACITY, AND PIER SPACING. PIER SPACING NOT TO EXCEED I-BEAM SIZE CHART.
- INDICATES I-BEAM MAXIMUM BLOCKING DISTANCE AS PER CHART
- $\widehat{\,\,\,\,\,\,}$ DENOTES TIEDOWN STRAP LOCATION ON UNIT
- O DENOTES STRAP ANCHOR RATED 3150 LBS FOR COMBINED ANGLES OF STRAPS

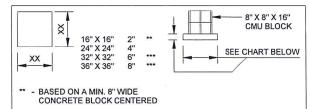




FOOTING SIZE - SQ. FOOTING ASSUMED - EACH LEG IS CALCULATED UNIT WIDTH - 11'-9"												
PIER SPACING (FT) 1000 PSF 2000 PSF 3000 PSF												
5	1.787 FT	1.264 FT	1.032 FT									
6	1.942 FT	1.373 FT	1.121 FT									
7	2.086 FT	1.475 FT	1.204 FT									
8	2.220 FT	1.570 FT	1.282 FT									
9	2.347 FT	1.660 FT	1.355 FT									
10	2.467 FT	1.745 FT	1.424 FT									
11	2.582 FT	1.826 FT	1.491 FT									
12	2.692 FT	1.903 FT	1.554 FT									





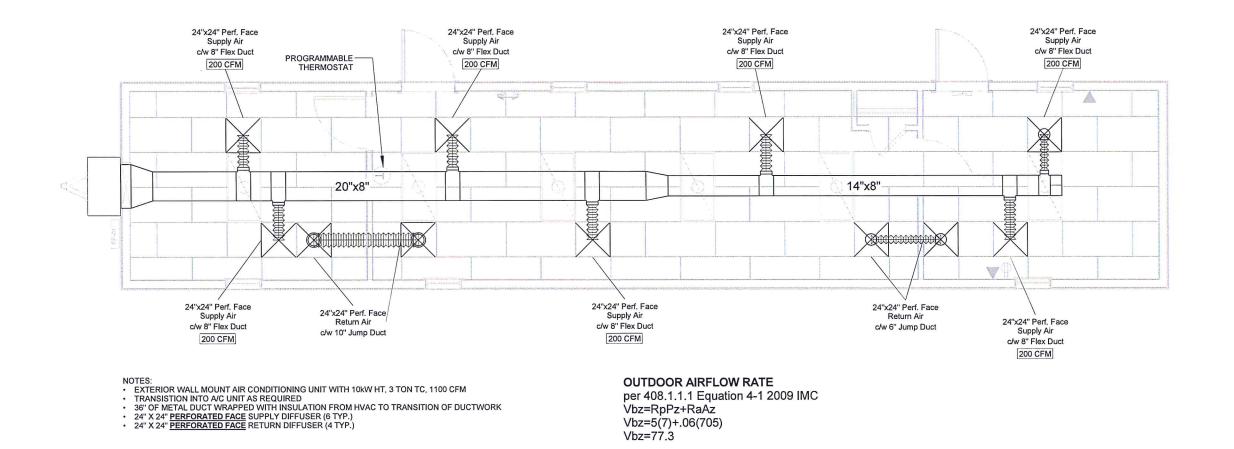


TYPICAL BASE PAD & BLOCKING

 #4 REBAR - 12" O.C. EACH DIRECTION FOR FOOTINGS GREATER THAN 24" X 24" CENTERED IN HEIGHT OF FOOTING, 3" COVER

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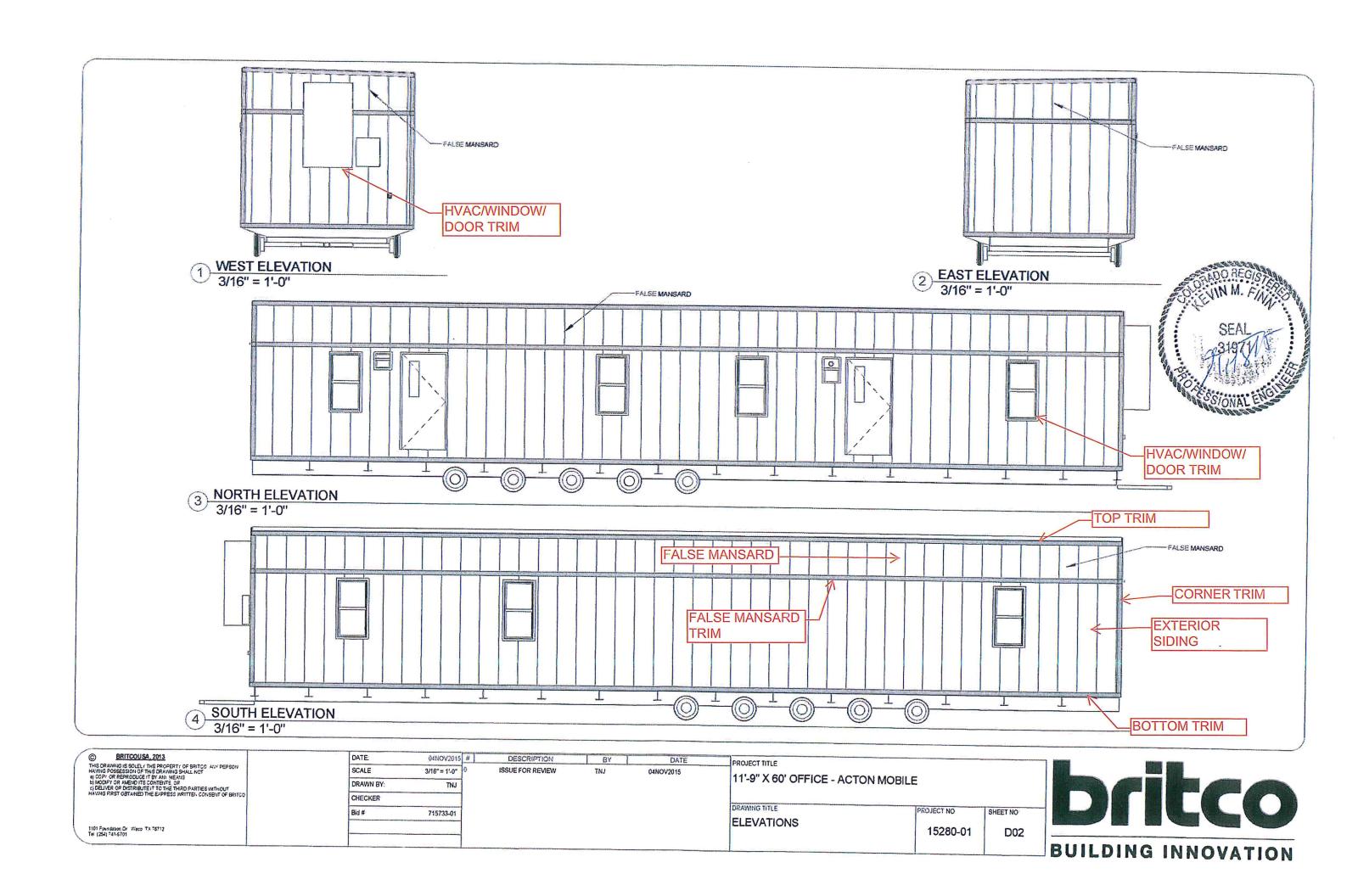




1 MECHANICAL PLAN 3/16" = 1'-0"

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Markup Summary

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Author: dsdsevigny
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These plans need to show the floor layout, how many offices, bathrooms, etc