

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: Moran Residence
 Street:
 City, State, Zip: , FL ,
 Owner:
 Design Location: FL, Jacksonville

Builder Name: Marlin James Air Conditioning
 Permit Office: Columbia
 Permit Number: 28226
 Jurisdiction: 221000

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	2392	
7. Windows	Description	Area
a. U-Factor:	Dbl, default	258.50 ft²
SHGC:	Clear, default	
b. U-Factor:	Dbl, default	139.33 ft²
SHGC:	Clear, default	
c. U-Factor:	Dbl, default	42.00 ft²
SHGC:	Clear, default	
d. U-Factor:	Dbl, default	11.50 ft²
SHGC:	Clear, default	
e. U-Factor:	N/A	ft²
SHGC:		
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2391.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Concrete Block - Int Insul, Exterior	R=5.0	2500.30 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2391.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
11. Ducts		
a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6,	598 ft²	
12. Cooling systems		
a. Central Unit	Cap: 45 kBtu/hr SEER: 13	
13. Heating systems		
a. Electric Heat Pump	Cap: 51.8 kBtu/hr HSPF: 7.7	
14. Hot water systems		
a. Electric	Cap: 40 gallons EF: 0.92	
b. Conservation features	None	
15. Credits	Pstat	

Glass/Floor Area: 0.189

Total As-Built Modified Loads: 39.80

Total Baseline Loads: 49.55

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: *James Miller*

DATE: 10/26/09

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

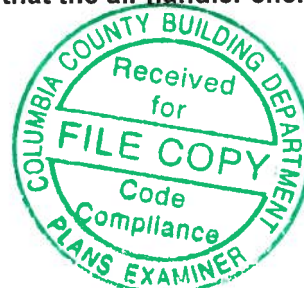
Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with N1110.A.3.



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS:

, FL,

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	✓
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	✓
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	✓
Ceilings	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	✓
Recessed Lighting Fixtures	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	✓
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	✓
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	✓

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	✓
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	✓
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	✓
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	✓
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	✓

PROJECT

Title: Moran Residence	Bedrooms: 3	Address Type: Street Address
Building Type: FLAsBuilt	Bathrooms: 0	Lot #
Owner:	Conditioned Area: 2392	SubDivision:
# of Units: 1	Total Stories: 1	PlatBook:
Builder Name: Marlin James Air Conditioning	Worst Case: No	Street:
Permit Office: Columbia	Rotate Angle: 0	County: Columbia
Jurisdiction: 221000	Cross Ventilation: No	City, State, Zip: , FL ,
Family Type: Single-family	Whole House Fan: No	
New/Existing: New (From Plans)		
Comment:		

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Jacksonville	FL_JACKSONVILLE_INT	2	32	93	75	70	1281	49	Medium

FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	242.3 ft	0	2391 ft²	0.4	0.4	0.2

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or Shed	Composition shingles	2520 ft²	398 ft²	Medium	0.65	N	0	18.4 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2391 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	2391 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Concrete Block - Int Insul	5	86.43 ft²		0	0.65
_____	2	NE	Exterior	Concrete Block - Int Insul	5	615.6 ft²		0	0.65
_____	3	E	Exterior	Concrete Block - Int Insul	5	52.03 ft²		0	0.65
_____	4	SE	Exterior	Concrete Block - Int Insul	5	568.85 ft²		0	0.65
_____	5	SW	Exterior	Concrete Block - Int Insul	5	620.89 ft²		0	0.65
_____	6	W	Exterior	Concrete Block - Int Insul	5	34.4 ft²		0	0.65
_____	7	NW	Exterior	Concrete Block - Int Insul	5	522.11 ft²		0	0.65

DOORS													
✓	#	Ornt	Door Type			Storms	U-Value		Area				
_____	1	SW	Wood			None	0.39		24 ft²				

WINDOWS													
Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.													
✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth Separation		Int Shade	Screening
_____	1	N	Metal	Low-E Double	No	0.8	0.7	N	11.5 ft²	9 ft 7 in	1 ft 7 in	HERS 2006	None
_____	2	N	Metal	Low-E Double	No	0.77	0.37	N	17.5 ft²	11 ft 0 in	1 ft 7 in	HERS 2006	None
_____	3	NE	Metal	Low-E Double	No	1.39	0.37	N	96 ft²	10 ft 0 in	1 ft 7 in	HERS 2006	None
_____	4	NE	Metal	Low-E Double	No	0.77	0.37	N	30 ft²	1 ft 7 in	1 ft 7 in	HERS 2006	None
_____	5	NE	Metal	Low-E Double	No	0.77	0.37	N	24 ft²	6 ft 0 in	1 ft 7 in	HERS 2006	None
_____	6	E	Metal	Low-E Double	No	0.77	0.37	N	17.5 ft²	11 ft 0 in	1 ft 7 in	HERS 2006	None
_____	7	SE	Metal	Low-E Double	No	0.77	0.37	N	10 ft²	1 ft 7 in	1 ft 7 in	HERS 2006	None
_____	8	SE	Metal	Low-E Double	No	0.59	0.38	N	16 ft²	1 ft 7 in	1 ft 7 in	HERS 2006	None
_____	9	SW	Metal	Low-E Double	No	0.77	0.37	N	72 ft²	1 ft 7 in	1 ft 7 in	HERS 2006	None
_____	10	SW	Metal	Low-E Double	No	0.77	0.37	N	36 ft²	5 ft 7 in	1 ft 7 in	HERS 2006	None
_____	11	SW	Metal	Low-E Double	No	0.59	0.38	N	26 ft²	7 ft 1 in	1 ft 7 in	HERS 2006	None
_____	12	W	Metal	Low-E Double	No	0.77	0.37	N	11.5 ft²	10 ft 7 in	1 ft 7 in	HERS 2006	None
_____	13	NW	Metal	Low-E Double	No	1.39	0.37	N	43.33 ft²	41 ft 0 in	1 ft 7 in	HERS 2006	None
_____	14	NW	Metal	Low-E Double	No	0.77	0.37	N	12 ft²	1 ft 7 in	1 ft 7 in	HERS 2006	None
_____	15	NW	Metal	Low-E Double	No	0.77	0.37	N	10 ft²	1 ft 7 in	1 ft 7 in	HERS 2006	None
_____	16	NW	Metal	Low-E Double	No	0.77	0.37	N	18 ft²	5 ft 5 in	1 ft 7 in	HERS 2006	None

INFILTRATION & VENTING										
✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM Exhaust CFM		Run Time Fraction	Fan Watts
_____	Default	0.00036	2259	5.67	124.0	233.2	0 cfm 0 cfm		0	0

COOLING SYSTEM								
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	None	SEER: 13	45 kBtu/hr	1350 cfm	0.7	FALSE

HEATING SYSTEM						
✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.7	45 kBtu/hr	FALSE

HOT WATER SYSTEM							
✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC												
	Cert #	Company Name			System Model #		Collector Model #	Collector Area	Storage Volume	FEF			
_____	None	None						ft²					

DUCTS

✓	#	Location	Supply R-Value	Area	Location	Return Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	598 ft²	Interior	120 ft²	Default Leakage	Interior				

TEMPERATURES

Programable Thermostat: Y				Ceiling Fans:										
Cooling	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec		
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec		
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec		
Thermostat Schedule: HERS 2006 Reference														
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12	
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	80	80	80	
	PM	80	80	78	78	78	78	78	78	78	78	78	78	
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78	
	PM	78	78	78	78	78	78	78	78	78	78	78	78	
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68	
	PM	68	68	68	68	68	68	68	68	68	68	66	66	
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68	
	PM	68	68	68	68	68	68	68	68	68	68	66	66	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 80

The lower the EnergyPerformance Index, the more efficient the home.

1. New construction or existing	New (From Plans)	9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family	a. Concrete Block - Int Insul, Exterior	R=5.0	2500.30 ft ²
3. Number of units, if multiple family	1	b. N/A	R=	ft ²
4. Number of Bedrooms	3	c. N/A	R=	ft ²
5. Is this a worst case?	No	d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	2392	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	2391.00 ft ²
a. U-Factor:	DbI, default	b. N/A	R=	ft ²
SHGC:	Clear, default	c. N/A	R=	ft ²
b. U-Factor:	DbI, default	11. Ducts		
SHGC:	Clear, default	a. Sup: Attic Ret: Interior AH: Interior Sup. R= 6, 598 ft ²		
c. U-Factor:	DbI, default	12. Cooling systems		
SHGC:	Clear, default	a. Central Unit	Cap: 45 kBtu/hr	
d. U-Factor:	DbI, default		SEER: 13	
SHGC:	Clear, default	13. Heating systems		
e. U-Factor:	N/A	a. Electric Heat Pump	Cap: 51.8 kBtu/hr	
SHGC:			HSPF: 7.7	
8. Floor Types	Insulation	14. Hot water systems		
a. Slab-On-Grade Edge Insulation	R=0.0	a. Electric	Cap: 40 gallons	
b. N/A	R=		EF: 0.92	
c. N/A	R=	b. Conservation features		
		None		
		15. Credits		Pstat

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

Project Summary Entire House

Marlin James Air Conditioning & Heating

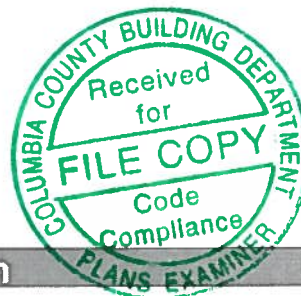
Job: Moran Residence
Date: 10/26/09
By: Jacob Miller

1702 Marlin James Dr, Valrico, FL 33594 Phone: 813-689-0817 Fax: 813-689-8908 Email: jmliller@marlinjames.com Web: www.marlinjames.com

Project Information

For:

Notes:



Design Information

Weather: Jacksonville, FL, US

Winter Design Conditions

Outside db	32 °F
Inside db	70 °F
Design TD	38 °F

Summer Design Conditions

Outside db	93 °F
Inside db	75 °F
Design TD	18 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	42598 Btuh
Ducts	2316 Btuh
Central vent (122 cfm)	5139 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	50053 Btuh

Sensible Cooling Equipment Load Sizing

Structure	26965 Btuh
Ducts	2392 Btuh
Central vent (122 cfm)	2394 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.98
Equipment sensible load	31054 Btuh

Infiltration

Method	Simplified
Construction quality	Tight
Fireplaces	0

	Heating	Cooling
Area (ft²)	2392	2392
Volume (ft³)	25329	25329
Air changes/hour	0.11	0.06
Equiv. AVF (cfm)	46	25

Latent Cooling Equipment Load Sizing

Structure	1700 Btuh
Ducts	876 Btuh
Central vent (122 cfm)	4349 Btuh
Equipment latent load	6925 Btuh
Equipment total load	37979 Btuh
Req. total capacity at 0.70 SHR	3.7 ton

Heating Equipment Summary

Make	
Trade	
Model	
ARI ref no. 576180	
Efficiency	7.7 HSPF
Heating input	
Heating output	16000 Btuh @ 47°F
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

Cooling Equipment Summary

Make	
Trade	
Cond	
Coil	
ARI ref no. 576180	
Efficiency	13 EER
Sensible cooling	11900 Btuh
Latent cooling	5100 Btuh
Total cooling	17000 Btuh
Actual air flow	1600 cfm
Air flow factor	0.054 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.82

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Right-J® Worksheet Entire House

Marlin James Air Conditioning & Heating

Job: Moran Residence
Date: 10/26/09
By: Jacob Miller

1702 Marlin James Dr, Valrico, FL 33594 Phone: 813-689-0817 Fax: 813-689-8908 Email: jmliller@marlinjames.com Web: www.marlinjames.com

1	Room name					Entire House					1/2 Bath				
2	Exposed wall					242.3 ft					12.3 ft				
3	Ceiling height					10.6 ft					10.0 ft				
4	Room dimensions					d					4.2 x 8.3 ft				
5	Room area					2392.0 ft²					34.4 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	13A-5ocs	0.125	n	4.78	2.37	87	58	275	136	0	0	0	0	
11	G	4A5-2om	0.770	n	29.41	19.53	12	0	338	225	0	0	0	0	
	G	4A5-2om	0.770	n	29.41	19.53	18	0	515	342	0	0	0	0	
	W	13A-5ocs	0.125	ne	4.78	2.37	616	466	2224	1103	42	42	199	99	
	G	10D-m	1.390	ne	53.10	32.05	96	0	5097	3077	0	0	0	0	
	G	4A5-2om	0.770	ne	29.41	34.75	30	0	882	1043	0	0	0	0	
	G	4A5-2om	0.770	ne	29.41	34.75	24	0	706	834	0	0	0	0	
	W	13A-5ocs	0.125	e	4.78	2.37	52	35	166	82	0	0	0	0	
	G	4A5-2om	0.770	e	29.41	19.53	18	18	515	342	0	0	0	0	
	W	13A-5ocs	0.125	se	4.78	2.37	569	543	2594	1287	0	0	0	0	
	G	4A5-2om	0.770	se	29.41	33.13	10	2	294	331	0	0	0	0	
	G	4B5-2fm	0.590	se	22.54	29.57	16	4	361	473	0	0	0	0	
	W	13A-5ocs	0.125	sw	4.78	2.37	622	464	2214	1098	0	0	0	0	
	G	4A5-2om	0.770	sw	29.41	33.70	72	12	2118	2426	0	0	0	0	
	G	4A5-2om	0.770	sw	29.41	19.53	36	36	1059	703	0	0	0	0	
	G	4B5-2fm	0.590	sw	22.54	16.48	26	26	586	429	0	0	0	0	
	D	11D0	0.390	sw	14.90	11.76	24	24	358	282	0	0	0	0	
	W	13A-5ocs	0.125	w	4.78	2.37	34	23	108	54	0	0	0	0	
	G	4A5-2om	0.770	w	29.41	19.53	12	12	338	225	0	0	0	0	
	W	13A-5ocs	0.125	nw	4.78	2.37	522	439	2096	1040	82	72	342	170	
	G	10D-m	1.390	nw	53.10	32.05	43	0	2301	1389	0	0	0	0	
	G	4A5-2om	0.770	nw	29.41	34.75	12	0	353	417	0	0	0	0	
	G	4A5-2om	0.770	nw	29.41	34.75	10	0	294	348	10	0	294	348	
	G	4A5-2om	0.770	nw	29.41	34.75	18	0	529	626	0	0	0	0	
	C	16X19-0ad	0.408	-	-	2.16	1.57	2391	2391	5172	3746	34	34	74	53
	F	22A-tpi	0.989	-	-	37.78	0.00	2391	242	9155	0	34	12	466	0
	6	c) AED excursion									2293				111
		Envelope loss/gain								40649	24350			1375	780
12	a) Infiltration								1949	495			96	24	
	b) Room ventilation								0	0			0	0	
13	Internal gains:					Occupants @ 230	4			920	0			0	
						Appliances @ 1200	1			1200	0			0	
	Subtotal (lines 6 to 13)								42598	26965			1471	805	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								42598	26965			1471	805	
15	Duct loads								2316	2392	5%	9%	80	71	
	Total room load								44914	29358			1551	876	
	Air required (cfm)								0	1600			0	48	

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Right-J® Worksheet Entire House

Marlin James Air Conditioning & Heating

Job: Moran Residence

Date: 10/26/09

By: Jacob Miller

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1	Room name					Mud 3.8 ft 10.0 ft 3.8 x 6.2 ft heat/cool 23.6 ft²					Laundry 18.0 ft 10.0 ft 1.0 x 87.7 ft heat/cool 87.7 ft²				
2	Exposed wall														
3	Ceiling height														
4	Room dimensions														
5	Room area														
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	13A-5ocs	0.125	n	4.78	2.37	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	n	29.41	19.53	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	n	29.41	19.53	0	0	0	0	0	0	0	0	
11	W	13A-5ocs	0.125	ne	4.78	2.37	38	38	183	91	0	0	0	0	
	G	10D-m	1.390	ne	53.10	32.05	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	ne	29.41	34.75	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	ne	29.41	34.75	0	0	0	0	0	0	0	0	
	W	13A-5ocs	0.125	e	4.78	2.37	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	e	29.41	19.53	0	0	0	0	0	0	0	0	
	W	13A-5ocs	0.125	se	4.78	2.37	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	se	29.41	33.13	0	0	0	0	0	0	0	0	
	G	4B5-2fm	0.590	se	22.54	29.57	0	0	0	0	0	0	0	0	
	W	13A-5ocs	0.125	sw	4.78	2.37	0	0	0	0	80	80	382	190	
	G	4A5-2om	0.770	sw	29.41	33.70	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	sw	29.41	19.53	0	0	0	0	0	0	0	0	
	G	4B5-2fm	0.590	sw	22.54	16.48	0	0	0	0	0	0	0	0	
	D	11D0	0.390	sw	14.90	11.76	0	0	0	0	0	0	0	0	
	W	13A-5ocs	0.125	w	4.78	2.37	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	w	29.41	19.53	0	0	0	0	0	0	0	0	
	W	13A-5ocs	0.125	nw	4.78	2.37	0	0	0	0	100	88	420	208	
	G	10D-m	1.390	nw	53.10	32.05	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	nw	29.41	34.75	0	0	0	0	12	0	353	417	
	G	4A5-2om	0.770	nw	29.41	34.75	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	nw	29.41	34.75	0	0	0	0	0	0	0	0	
	C	16X19-0ad	0.408	-	2.16	1.57	24	24	51	37	88	88	190	137	
	F	22A-tpl	0.989	-	37.78	0.00	24	4	145	0	88	18	680	0	
6	c) AED excursion									-8				127	
	Envelope loss/gain								379	120			2025	1080	
12	a) Infiltration								30	8			140	36	
	b) Room ventilation								0	0			0	0	
13	Internal gains:					Occupants @ 230	0			0	0	0		0	
						Appliances @ 1200	0			0	0	0		0	
	Subtotal (lines 6 to 13)								409	127			2165	1115	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								409	127			2165	1115	
15	Duct loads						5%	9%	22	11	5%	9%	118	99	
	Total room load								431	139			2283	1214	
	Air required (cfm)								0	8			0	66	

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Right-J® Worksheet Entire House

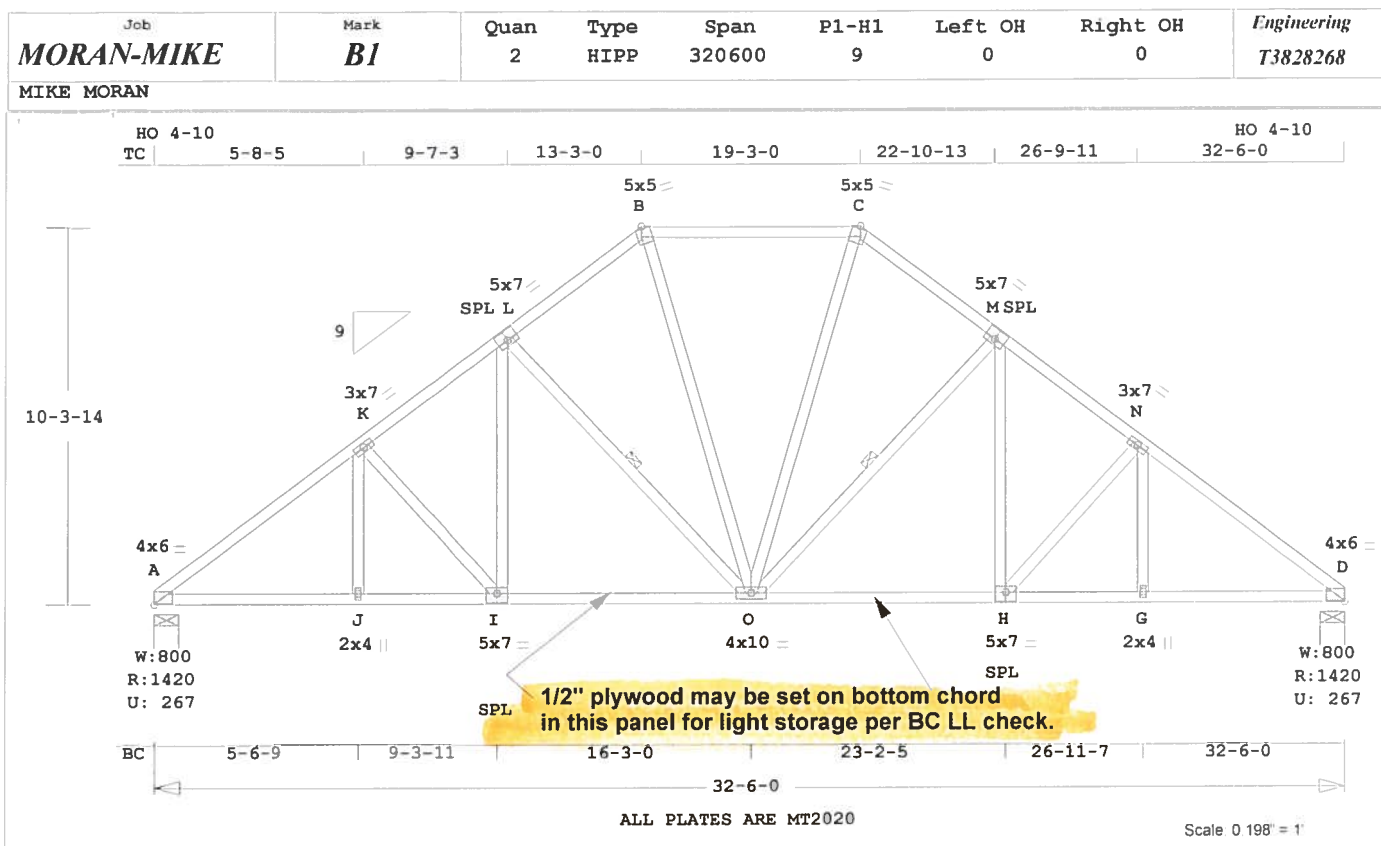
Marlin James Air Conditioning &
Heating

Job: Moran Residence
Date: 10/26/09
By: Jacob Miller

1702 Marlin James Dr, Valrico, FL 33594 Phone: 813-689-0817 Fax: 813-689-8908 Email: jmiller@marlinjames.com Web: www.marlinjames.com

1	Room name					Kitchen/Nook					Great Room				
2	Exposed wall					18.3 ft					20.7 ft				
3	Ceiling height					12.0 ft					12.0 ft				
4	Room dimensions					1.0 x 288.6 ft					1.0 x 416.2 ft				
5	Room area					288.6 ft²					416.2 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	13A-5ocs	0.125	n	4.78	2.37	52	35	166	82	0	0	0	0	
11	G	4A5-2om	0.770	n	29.41	19.53	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	n	29.41	19.53	18	0	515	342	0	0	0	0	
	W	13A-5ocs	0.125	ne	4.78	2.37	86	62	296	147	248	152	726	360	
	G	10D-m	1.390	ne	53.10	32.05	0	0	0	0	96	0	5097	3077	
	G	4A5-2om	0.770	ne	29.41	34.75	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	ne	29.41	34.75	24	0	706	834	0	0	0	0	
	W	13A-5ocs	0.125	e	4.78	2.37	52	35	166	82	0	0	0	0	
	G	4A5-2om	0.770	e	29.41	19.53	18	18	515	342	0	0	0	0	
	W	13A-5ocs	0.125	se	4.78	2.37	11	11	53	26	0	0	0	0	
	G	4A5-2om	0.770	se	29.41	33.13	0	0	0	0	0	0	0	0	
	G	4B5-2fm	0.590	se	22.54	29.57	0	0	0	0	0	0	0	0	
	W	13A-5ocs	0.125	sw	4.78	2.37	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	sw	29.41	33.70	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	sw	29.41	19.53	0	0	0	0	0	0	0	0	
	G	4B5-2fm	0.590	sw	22.54	16.48	0	0	0	0	0	0	0	0	
	D	11D0	0.390	sw	14.90	11.76	0	0	0	0	0	0	0	0	
	W	13A-5ocs	0.125	w	4.78	2.37	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	w	29.41	19.53	0	0	0	0	0	0	0	0	
	W	13A-5ocs	0.125	nw	4.78	2.37	19	19	91	45	0	0	0	0	
	G	10D-m	1.390	nw	53.10	32.05	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	nw	29.41	34.75	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	nw	29.41	34.75	0	0	0	0	0	0	0	0	
	G	4A5-2om	0.770	nw	29.41	34.75	0	0	0	0	0	0	0	0	
	C	16X19-0ad	0.408	-	-	2.16	1.57	289	289	624	452	416	416	900	652
	F	22A-tpi	0.989	-	-	37.78	0.00	289	18	693	0	416	21	781	0
	6	c) AED excursion									-216				-249
		Envelope loss/gain								3824	2137			7504	3841
12	a) Infiltration								172	44			193	49	
	b) Room ventilation								0	0			0	0	
13	Internal gains:		Occupants @	230			0			0	0			0	
			Appliances @	1200			1			1200	0			0	
	Subtotal (lines 6 to 13)								3996	3380			7698	3890	
14	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
	Subtotal								3996	3380			7698	3890	
15	Duct loads						5%	9%	217	300	5%	9%	418	345	
	Total room load								4213	3680			8116	4235	
	Air required (cfm)								0	201			0	231	

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



MiTek Online Plus™ APPROX. TRUSS WEIGHT: 272.1 LBS

Online Plus -- Version 27.0.003
RUN DATE: 03-AUG-10

CSI -Size- ---Lumber---
TC 0.34 2x 4 SP-#2
BC 0.51 2x 4 SP-#2
WB 0.32 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	13- 3- 0
TC 24.0"	13- 3- 0	19- 3- 0
TC Cont.	19- 3- 0	32- 6- 0
BC Cont.	0- 0- 0	32- 6- 0

One Continuous Lateral Brace

L -O O -M
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
TC Fb=1.15	Fc=1.10	Ft=1.10
BC Fb=1.10	Fc=1.10	Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1421	268	U 281 R
D	1421	268	U 281 R

Jt	Brg Size	Required
A	8.0"	1.7"
D	8.0"	1.7"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----			
A -K	0.29	1943	C 0.10 0.19
K -L	0.28	1722	C 0.09 0.19
L -B	0.19	1280	C 0.01 0.18
B -C	0.34	1164	C 0.02 0.32
C -M	0.19	1280	C 0.01 0.18
M -N	0.28	1722	C 0.09 0.19
N -D	0.29	1943	C 0.10 0.19
-----Bottom Chords-----			
A -J	0.36	1549	T 0.26 0.10
J -I	0.46	1549	T 0.26 0.20

I -O	0.51	1371	T 0.23 0.28
O -H	0.51	1371	T 0.23 0.28
H -G	0.46	1549	T 0.26 0.20
G -D	0.36	1549	T 0.26 0.10

-----Webs-----			
J -K	0.02	158	T
K -I	0.16	341	C
I -L	0.10	413	T
L -O	0.19	492	C
B -O	0.32	479	T
O -C	0.32	479	T
O -M	0.19	492	C
H -M	0.10	413	T
H -N	0.16	341	C
G -N	0.02	158	T

TL Defl	-0.21"	in O -H	L/999
LL Defl	-0.10"	in O -H	L/999
Shear //	Grain	in B -C	0.21

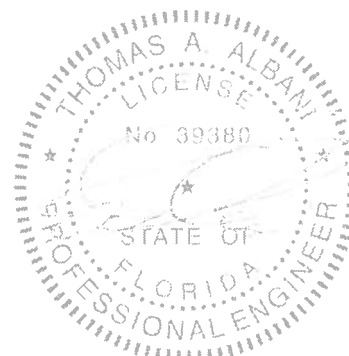
Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.8 0.5 0.62
K MT20 3.0x 7.0 Ctr Ctr 0.34
L MT20 5.0x 7.0-0.4 0.5 0.41
B MT20 5.0x 5.0 1.1-3.2 0.34
C MT20 5.0x 5.0-1.1-3.2 0.34
M MT20 5.0x 7.0 0.4 0.5 0.41
N MT20 3.0x 7.0 Ctr Ctr 0.34
D MT20 4.0x 6.0-0.8 0.5 0.62
J MT20 2.0x 4.0 Ctr Ctr 0.34
I MT20 5.0x 7.0 Ctr-0.5 0.39
O MT20 4.0x10.0 Ctr Ctr 0.28
H MT20 5.0x 7.0 Ctr-0.5 0.39
G MT20 2.0x 4.0 Ctr Ctr 0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

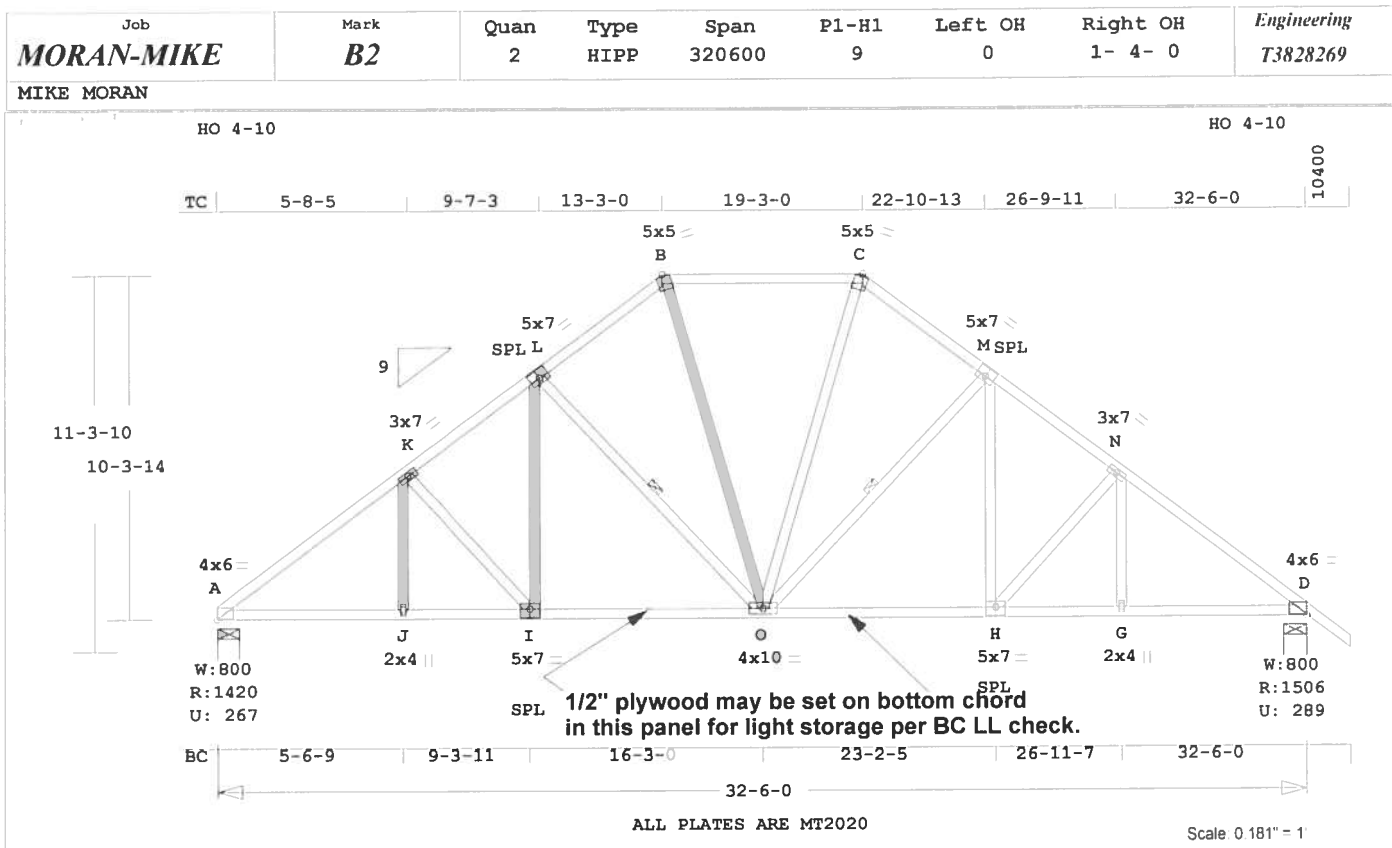
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed
for 20.0 psf LL on the B.C.

in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1943 Lbs
Max tens. force 1549 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

August 3, 2010



Online Plus -- Version 27.0.003
RUN DATE: 03-AUG-10

CSI -Size- ---Lumber---
TC 0.34 2x 4 SP-#2
BC 0.51 2x 4 SP-#2
WB 0.32 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 13- 3- 0
TC 24.0" 13- 3- 0 19- 3- 0
TC Cont. 19- 3- 0 32- 6- 0
BC Cont. 0- 0- 0 32- 6- 0

One Continuous Lateral Brace
L -O O -M
Attach CLB with (2)-10d nails
at each web.

psf-I'd Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1420 268 U 281 R
D 1506 289 U 281 R

Jt Brg Size Required
A 8.0" 1.7"
D 8.0" 1.8"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSt-Bnd
-----Top Chords-----
A -K 0.29 1942 C 0.10 0.19
K -L 0.28 1721 C 0.09 0.19
L -B 0.19 1279 C 0.01 0.18
B -C 0.34 1163 C 0.02 0.32
C -M 0.19 1279 C 0.01 0.18
M -N 0.28 1720 C 0.09 0.19
N -D 0.29 1939 C 0.10 0.19
-----Bottom Chords-----
A -J 0.36 1549 T 0.26 0.10
J -I 0.46 1549 T 0.26 0.20
I -O 0.51 1370 T 0.23 0.28

MiTek Online Plus™ APPROX. TRUSS WEIGHT: 275.3 LBS

O -H 0.51 1370 T 0.23 0.28
H -G 0.45 1546 T 0.25 0.20
G -D 0.36 1546 T 0.25 0.11

-----Webs-----
J -K 0.02 158 T
K -I 0.16 341 C
I -L 0.10 413 T
L -O 0.19 492 C 1 Br
B -O 0.32 479 T
O -C 0.32 479 T
O -M 0.19 492 C 1 Br
H -M 0.10 411 T
H -N 0.16 338 C
G -N 0.02 157 T

TL Defl -0.21" in I -O L/999
LL Defl -0.10" in I -O L/999
Shear // Grain in B -C 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.8 0.5 0.61
K MT20 3.0x 7.0 Ctr Ctr 0.34
L MT20 5.0x 7.0-0.4 0.5 0.41
B MT20 5.0x 5.0 1.1-3.2 0.34
C MT20 5.0x 5.0-1.1-3.2 0.34
M MT20 5.0x 7.0 0.4 0.5 0.41
N MT20 3.0x 7.0 Ctr Ctr 0.34
D MT20 4.0x 6.0-0.8 0.5 0.61
J MT20 2.0x 4.0 Ctr Ctr 0.34
I MT20 5.0x 7.0 Ctr-0.5 0.39
O MT20 4.0x10.0 Ctr Ctr 0.28
H MT20 5.0x 7.0 Ctr-0.5 0.39
G MT20 2.0x 4.0 Ctr Ctr 0.34

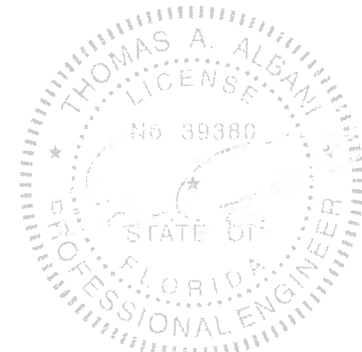
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.

in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1942 Lbs
Max tens. force 1549 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



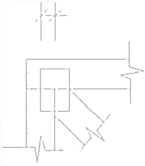
FL Cert. 6634

August 3, 2010

ONLINE PLUS GENERAL NOTES & SYMBOLS

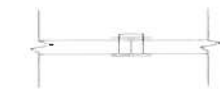
108

PLATE LOCATION



Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

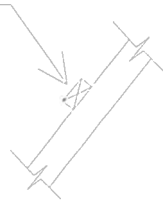


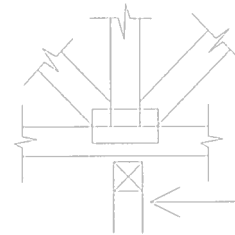
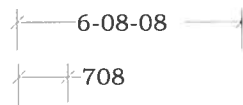
PLATE SIZE AND ORIENTATION



The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.



MiTek Industries, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117

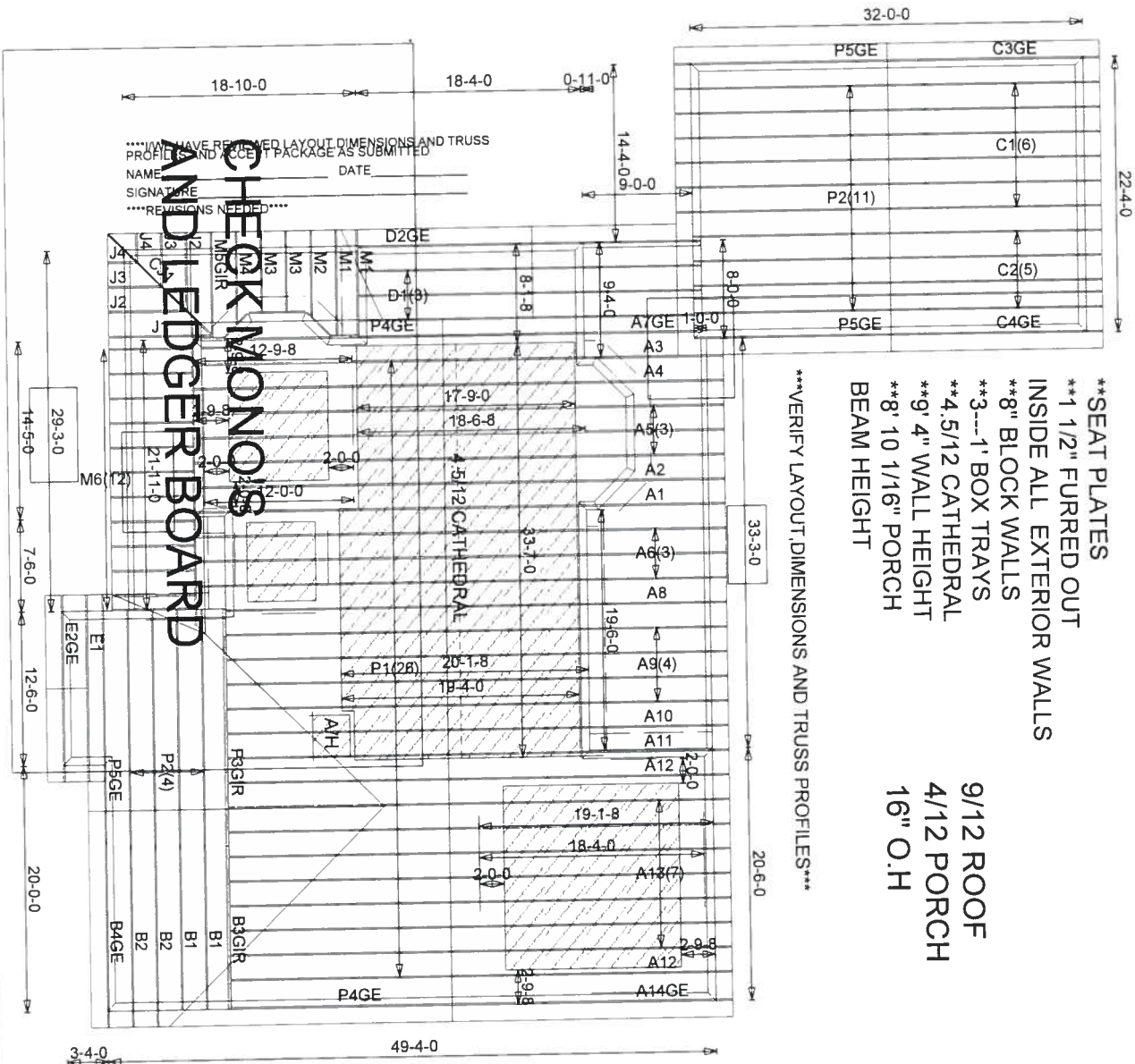
Mayo Truss Co. Inc.
 845 East US 27
 MAYO, FL 32066
 (386)294-3988
 (877)-558-6262

MIKE MORAN

120 MPH ASCE WIND LOAD

Roof Loading
 TC Live: 20.00 psf
 TC Dead: 10.00 psf
 BC Live: 0.00 psf
 BC Dead: 10.00 psf
 TC Stress Inc: 25.00
 BC Stress Inc: 25.00
 Spacing: 2'-0" o.c.

Account: INDIVIDUAL
 Job: moran-mike
 Designer: C. LITTLE
 Checker:
 Date: 10-27-09





RE: MORAN-MIKE - MIKE MORAN

Site Information:

Customer Info: MIKE MORAN Project Name: MORAN-MIKE Model:

Lot/Block: .

Subdivision: .

Address: .

City: COLUMBIA COUNTY

State: FLORIDA

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name:

License #:

Address:

City:

State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2007

Design Program: Robbins OnLine Plus 25.0.008

Wind Code: ASCE 7-05 Wind Speed: 120 mph

Roof Load: 40.0 psf

This package includes 42 individual, dated Truss Design Drawings and 0 Additional Drawings.

With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T3521205	A1	10/26/09	18	T3521222	B4GE	10/26/09
2	T3521206	A2	10/26/09	19	T3521223	C1	10/26/09
3	T3521207	A3	10/26/09	20	T3521224	C2	10/26/09
4	T3521208	A4	10/26/09	21	T3521225	C3GE	10/26/09
5	T3521209	A5	10/26/09	22	T3521226	C4GE	10/26/09
6	T3521210	A6	10/26/09	23	T3521227	D1	10/26/09
7	T3521211	A7GE	10/26/09	24	T3521228	D2GE	10/26/09
8	T3521212	A8	10/26/09	25	T3521229	E1	10/26/09
9	T3521213	A9	10/26/09	26	T3521230	E2GE	10/26/09
10	T3521214	A10	10/26/09	27	T3521231	P1	10/26/09
11	T3521215	A11	10/26/09	28	T3521232	P2	10/26/09
12	T3521216	A12	10/26/09	29	T3521233	P3GIR	10/26/09
13	T3521217	A13	10/26/09	30	T3521234	P4GE	10/26/09
14	T3521218	A14GE	10/26/09	31	T3521235	P5GE	10/26/09
15	T3521219	B1	10/26/09	32	T3521236	CJ1	10/26/09
16	T3521220	B2	10/26/09	33	T3521237	J1	10/26/09
17	T3521221	B3GIR	10/26/09	34	T3521238	J2	10/26/09

The truss drawing(s) referenced above have been prepared by Robbins Engineering, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: O'Regan, Philip

My license renewal date for the state of Florida is February 28, 2011.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

6904 Parke East Boulevard
Tampa, FL 33610-4115
Phone: 813-972-1135 • Fax: 813-971-6117
www.robbseng.com

October 26, 2009

DALLAS

TAMPA

O'Regan, Philip

1 of 2

RE: MORAN-MIKE - MIKE MORAN

Site Information:

Project Customer: MIKE MORAN Project Name: MORAN-MIKE Model:

Lot/Block: . Subdivision: .

Address: .

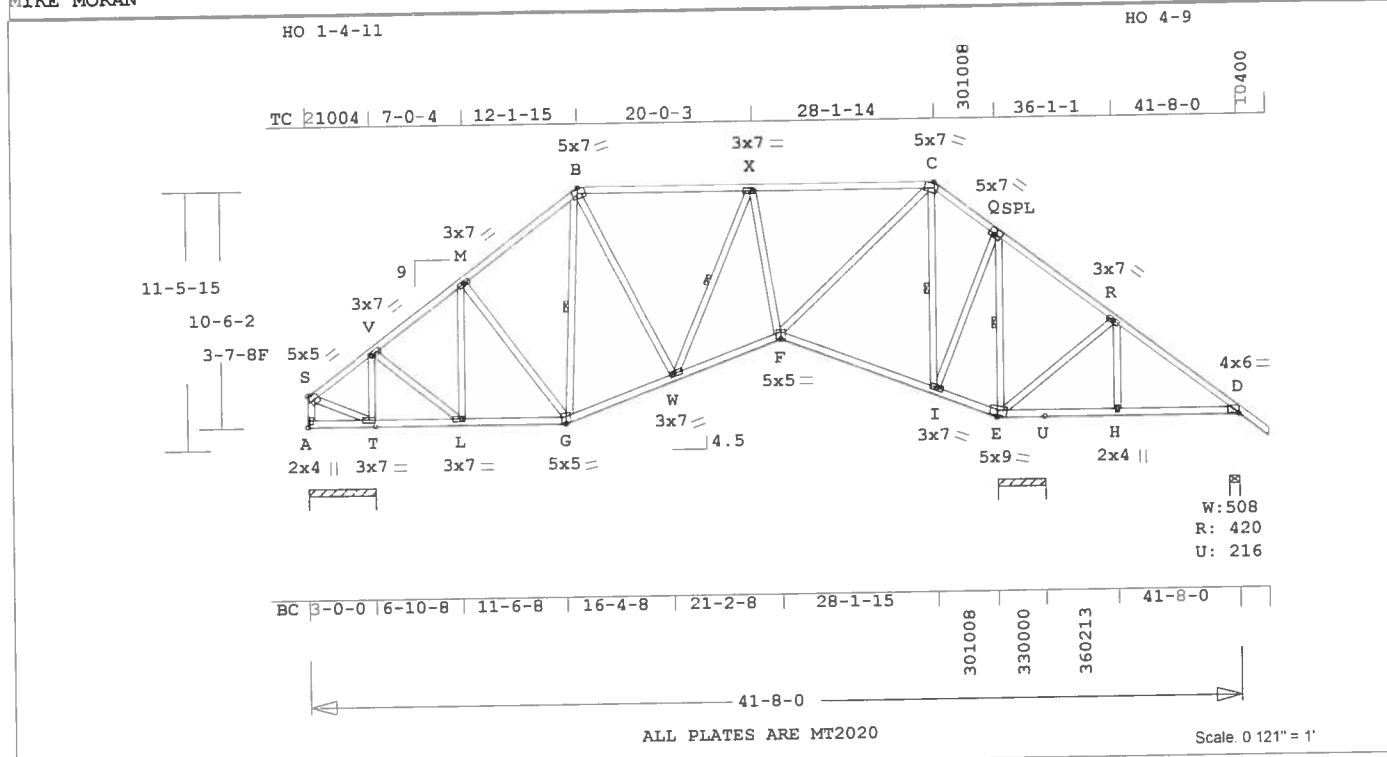
City: COLUMBIA COUNTY

State: FLORIDA

No.	Seal#	Truss Name	Date
35	T3521239	J3	10/26/09
36	T3521240	J4	10/26/09
37	T3521241	M1	10/26/09
38	T3521242	M2	10/26/09
39	T3521243	M3	10/26/09
40	T3521244	M4	10/26/09
41	T3521245	M6	10/26/09
42	T3521246	M5GIR	10/26/09

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
MORAN-MIKE	AI	1	SP	410800	9	0	1- 4- 0	T3521205

MIKE MORAN



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ---Lumber---
TC 0.67 2x 4 SP-#2
BC 0.43 2x 4 SP-#2
WB 0.39 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 12- 1-15
TC 24.0" 12- 1-15 28- 1-14
TC Cont. 28- 1-14 41- 8- 0
BC Cont. 0- 0- 0 41- 8- 0
One Continuous Lateral Brace
G-B W-X I-C E-Q
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (lbs)
Jt Down Uplift Horiz-
T 1364 278 U 312 R
U 1633 452 U
D 421 217 U 289 R

Jt Brg Size Required
T 36.0" 0"-to- 36"
U 25.5" 371"-to- 396"
D 5.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
S -V 0.18 425 T 0.07 0.11
V -M 0.25 576 C 0.04 0.21
M -B 0.27 747 C 0.06 0.21
B -X 0.67 804 C 0.00 0.67
X -C 0.67 975 C 0.00 0.67
C -Q 0.17 353 C 0.04 0.13
Q -R 0.31 100 T 0.00 0.31
R -D 0.33 315 T 0.04 0.29
-----Bottom Chords-----
A -T 0.08 10 T 0.00 0.08
T -L 0.10 329 C 0.00 0.10

Robbins Engineering, Inc./Online Plus™ AFIPCI. TRUSS WEIGHT: 369.8 LBS
6904 Parke East Blvd.
Tampa, FL 33610

L -G	0.14	468	T	0.04	0.10
G -W	0.16	648	T	0.07	0.09
W -F	0.38	1064	T	0.18	0.20
F -I	0.26	262	T	0.02	0.24
I -E	0.37	277	T	0.00	0.37
E -U	0.43	200	T	0.03	0.40
U -H	0.22	200	T	0.03	0.19
H -D	0.15	200	T	0.00	0.15

A -S	0.05	328	T	WindLd
S -T	0.05	359	C	
T -V	0.25	1444	C	
V -L	0.18	1020	T	
L -M	0.33	550	C	
M -G	0.06	201	T	
G -B	0.11	287	C	
B -W	0.07	416	T	
W -X	0.15	478	C	
X -F	0.11	297	T	
F -C	0.39	990	T	
I -C	0.27	795	C	
I -Q	0.14	787	T	
E -Q	0.33	1206	C	
E -R	0.23	511	T	
H -R	0.05	195	C	

TL Defl	-0.23"	in F -I	L/999
LL Defl	-0.08"	in F -I	L/999
Hx Disp	LL	DL	TL
Jt D	0.04"	0.05"	0.09"
Shear // Grain	in X -C		0.34

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
S MT20 5.0x 5.0 Ctr Ctr 0.28
V MT20 3.0x 7.0 Ctr Ctr 0.67
M MT20 3.0x 7.0 Ctr Ctr 0.36
B MT20 5.0x 7.0 0.7-3.8 0.54
X MT20 3.0x 7.0 Ctr Ctr 0.33
C MT20 5.0x 7.0-1.7-3.5 0.67
Q MT20 5.0x 7.0 0.4 0.5 0.46
R MT20 3.0x 7.0 Ctr Ctr 0.31
D MT20 4.0x 6.0-0.8 0.5 0.36
A MT20 2.0x 4.0 Ctr Ctr 0.31
T MT20 3.0x 7.0 Ctr Ctr 0.36
L MT20 3.0x 7.0 Ctr Ctr 0.46
G MT20 5.0x 5.0-0.1 3.1 0.53
W MT20 3.0x 7.0 Ctr Ctr 0.24
F MT20 5.0x 5.0 Ctr-1.2 0.55
I MT20 3.0x 7.0 Ctr Ctr 0.67
E MT20 5.0x 9.0 0.6 3.3 0.47
H MT20 2.0x 4.0 Ctr Ctr 0.31

REVIEWED BY:
Robbins Engineering, Inc.

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
31-11- 4 41- 8- 0
Max comp. force 1444 Lbs
Max tens. force 1064 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

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FL Cert #5555

October 26, 2009

MTKE MORAN

Scale 0 127" = 1'

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October 26, 2009

MIKE MORAN

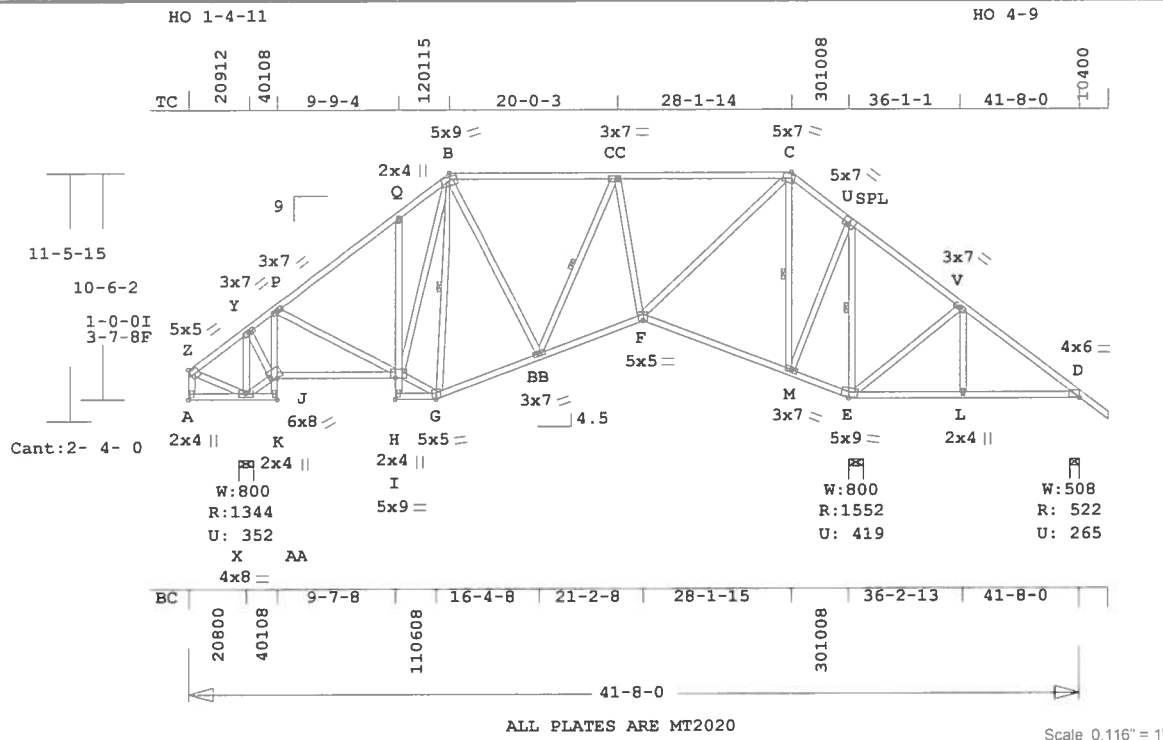
MIKE MORAN

Scale 0 121" = 1'

October 26, 2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	A6	3	SP	410800	9	0	1- 4- 0	T3521210

MIKE MORAN



ALL PLATES ARE MT2020

Scale 0.116" = 1'

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ---Lumber---
TC 0.68 2x 4 SP-#2
BC 0.53 2x 4 SP-#2
CW 0.12 2x 4 SP-#2
WB 0.42 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 12- 1-15
TC 24.0" 12- 1-15 28- 1-14
TC Cont. 28- 1-14 41- 8- 0
BC Cont. 0- 0- 0 41- 8- 0

One Continuous Lateral Brace
G -B BB-CC M -C E -U
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (lbs)

Jt Down Uplift Horiz-
X 1344 353 U 314 R
E 1552 419 U
D 522 266 U 290 R

Jt Brg Size Required
X 8.0" 1.5"
E 8.0" 1.7"
D 5.5" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
Z -Y 0.07 98 T 0.01 0.06
Y -P 0.27 477 C 0.00 0.27
P -Q 0.31 994 C 0.06 0.25
Q -B 0.28 1013 C 0.09 0.19
B -CC 0.68 895 C 0.00 0.68
CC -C 0.68 1086 C 0.00 0.68
C -U 0.18 423 T 0.05 0.13
U -V 0.30 208 T 0.02 0.28
V -D 0.34 492 T 0.06 0.28
-----Bottom Chords-----

Robbins Engineering, Inc. / nline Plus™
A -X 0.06 24 T 0.00 0.06
X -K 0.06 58 C 0.00 0.06
J -I 0.20 521 T 0.04 0.16
H -G 0.07 49 C 0.00 0.07
G -BB 0.26 732 T 0.12 0.14
BB -F 0.42 1180 T 0.20 0.22
F -M 0.28 327 T 0.03 0.25
M -E 0.53 192 C 0.00 0.53
E -L 0.41 339 T 0.05 0.36
L -D 0.28 339 T 0.05 0.23

-----Chord-Webs-----
K -J 0.10 26 T 0.00 0.10
J -P 0.08 773 C 0.01 0.07
H -I 0.08 45 T 0.00 0.08
I -Q 0.12 358 C 0.10 0.02

-----Webs-----
A -Z 0.00 43 C WindLd
Z -X 0.01 135 T
X -Y 0.19 1194 C
Y -J 0.04 336 T
J -I 0.17 934 T
P -I 0.07 400 T
I -G 0.13 710 T
I -B 0.32 482 T
G -B 0.18 485 C 1 Br
B -BB 0.09 425 T
BB -CC 0.17 514 C 1 Br
CC -F 0.11 257 T
F -C 0.42 1060 T
M -C 0.27 794 C 1 Br
M -U 0.13 750 T
E -U 0.31 1163 C 1 Br
E -V 0.29 570 T
L -V 0.07 288 T

TL Defl -0.11" in E -L L/999
LL Defl -0.04" in E -L L/999
LL Cant 0.01" in A -X L/999
H2 Disp LL DL TL
Jt D 0.05" 0.08" 0.13"
Shear // Grain in B -CC 0.34

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
Z MT20 5.0x 5.0 Ctr Ctr 0.28
Y MT20 3.0x 7.0 Ctr Ctr 0.72
P MT20 3.0x 7.0 Ctr Ctr 0.41
Q MT20 2.0x 4.0 Ctr Ctr 0.26
B MT20 5.0x 9.0 Ctr-4.7 0.61
CC MT20 3.0x 7.0 Ctr Ctr 0.33
C MT20 5.0x 7.0-1.7-3.5 0.72
U MT20 5.0x 7.0 0.4 0.5 0.44
V MT20 3.0x 7.0 Ctr Ctr 0.31
D MT20 4.0x 6.0-0.8 0.5 0.36
A MT20 2.0x 4.0 Ctr Ctr 0.31

APPROX. TRUSS WEIGHT: 390.6 LBS

X MT20 4.0x 8.0 Ctr Ctr 0.23
K MT20 2.0x 4.0 Ctr Ctr 0.58
J MT20 6.0x 8.0 Ctr 1.6 0.42
I MT20 5.0x 9.0 Ctr 0.7 0.56
H MT20 2.0x 4.0 Ctr Ctr 0.58
G MT20 5.0x 5.0-0.1 3.1 0.53
BB MT20 3.0x 7.0 Ctr Ctr 0.38
F MT20 5.0x 5.0 Ctr-1.2 0.58
M MT20 3.0x 7.0 Ctr Ctr 0.64
E MT20 5.0x 9.0 0.6 3.3 0.47
L MT20 2.0x 4.0 Ctr Ctr 0.31

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 2- 8- 0
30-10- 8 41- 8- 0
Max comp. force 1194 Lbs
Max tens. force 1180 Lbs
Fabrication Tolerance = 20%
This truss is designed for a

creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

October 26, 2009

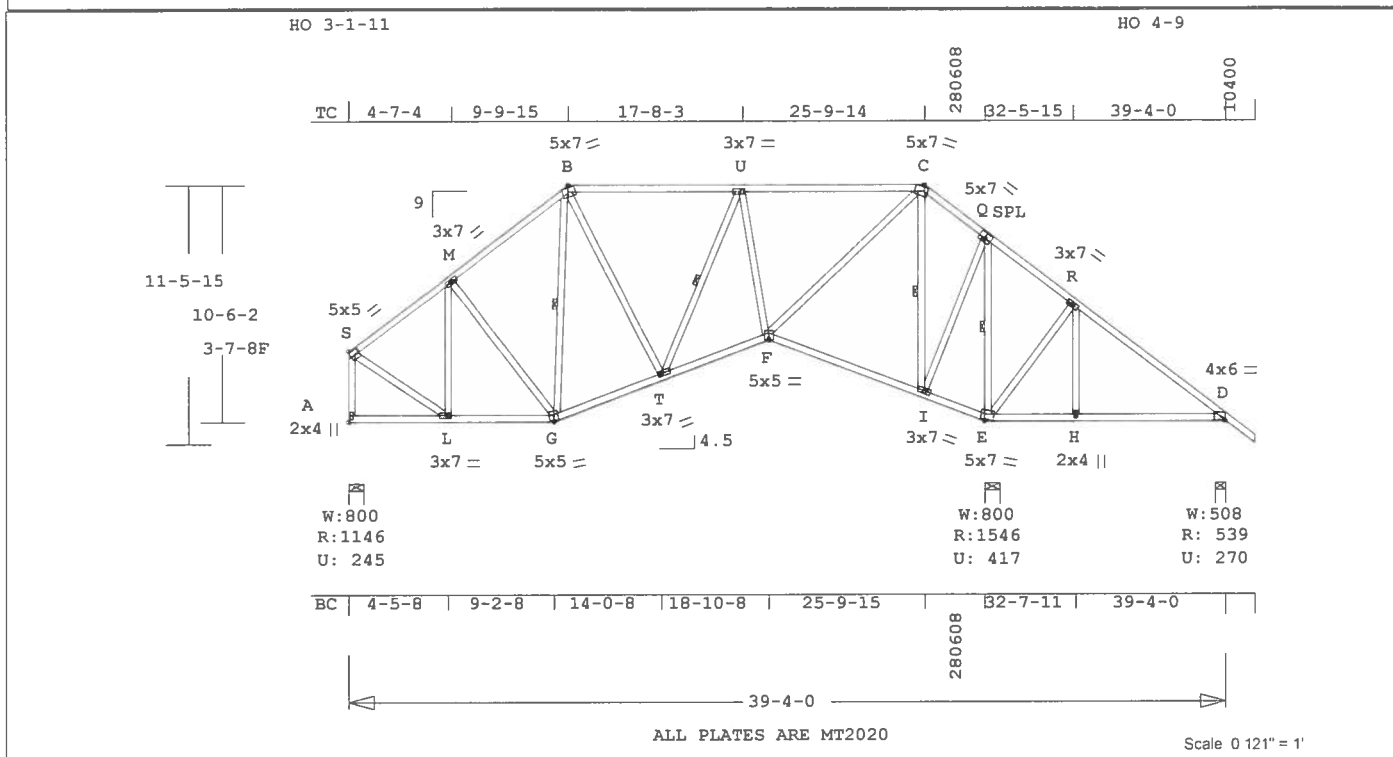
MIKE MORAN



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Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	A8	1	SP	390400	9	0	1- 4- 0	T3521212

MIKE MORAN

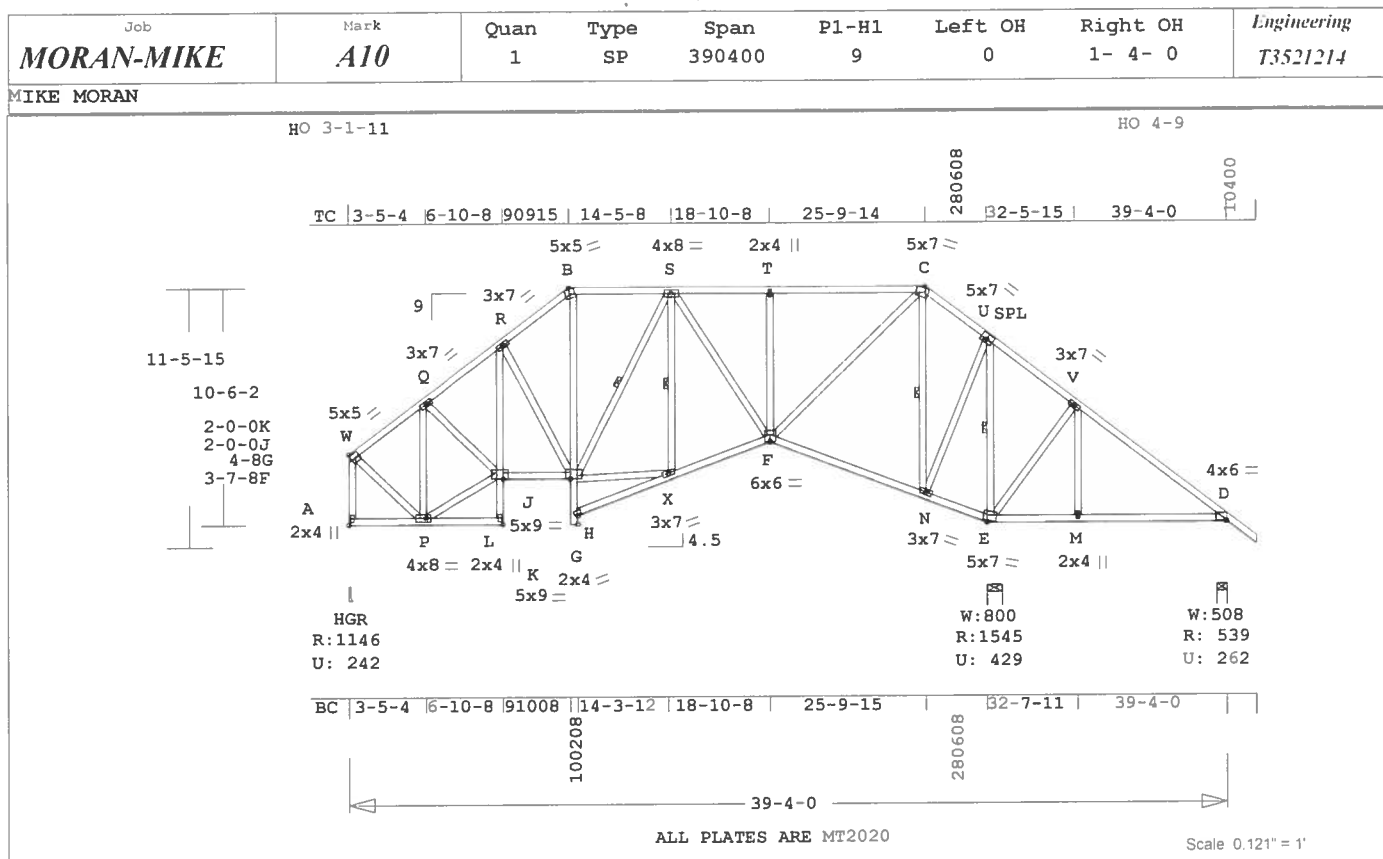


Online Plus -- Version 25.0.008 RUN DATE: 26-OCT-09		Robb : Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 354.1 LBS		in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member. Design checked for 10 psf non- concurrent LL on BC. Wind Loads - ANSI / ASCE 7-05 Truss is designed as Components and Claddings* for Exterior zone location. Wind Speed: 120 mph Mean Roof Height: 15-0 Exposure Category: B Occupancy Factor : 1.00 Building Type: Enclosed TC Dead Load: 5.0 psf BC Dead Load: 5.0 psf User-defined wind-exposed BC regions --From-- --To-- 28- 6- 8 39- 4- 0 Max comp. force 1128 Lbs Max tens. force 1223 Lbs Fabrication Tolerance = 20% This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.	
CSI -Size- ---Lumber---		-----Webs-----			
TC 0.66 2x 4 SP-#2 BC 0.49 2x 4 SP-#2 WB 0.44 2x 4 SP-#2		A -S 0.17 1108 C WindLd S -L 0.15 850 T L -M 0.22 378 C M -G 0.16 180 C G -B 0.08 204 C B -T 0.10 437 T T -U 0.16 505 C U -F 0.10 251 T F -C 0.44 1082 T I -C 0.28 819 C I -Q 0.14 785 T E -Q 0.30 1111 C E -R 0.29 611 T H -R 0.12 315 T		1 Br 1 Br 1 Br 1 Br 1 Br	
Brace truss as follows: O.C. From To TC Cont. 0- 0- 0 9- 9-15 TC 24.0" 9- 9-15 25- 9-14 TC Cont. 25- 9-14 39- 4- 0 BC Cont. 0- 0- 0 39- 4- 0 One Continuous Lateral Brace G -B T -U I -C E -Q Attach CLB with (2)-10d nails at each web.		TL Defl -0.24" in F -I L/999 LL Defl -0.04" in H -D L/999 Hz Disp LL DL TL Jt D 0.04" 0.07" 0.11" Shear // Grain in U -C 0.34			
psf-Ld Dead Live TC 10.0 20.0 BC 10.0 0.0 TC+BC 20.0 20.0 Total 40.0 Spacing 24.0" Lumber Duration Factor 1.25 Plate Duration Factor 1.25 TC Fb=1.15 Fc=1.10 Ft=1.10 BC Fb=1.10 Fc=1.10 Ft=1.10		Plates for each ply each face. Plate - MT20 20 Ga, Gross Area Plate - MT20 20 Ga, Gross Area Jt Type Plt Size X Y JSI			
Total Load Reactions (Lbs) Jt Down Uplift Horiz A 1146 245 U 336 R E 1546 418 U D 539 271 U 277 R		S MT20 5.0x 5.0 Ctr Ctr 0.48 M MT20 3.0x 7.0 Ctr Ctr 0.35 B MT20 5.0x 7.0 0.7-3.8 0.54 U MT20 3.0x 7.0 Ctr Ctr 0.33 C MT20 5.0x 7.0-1.7-3.5 0.73 Q MT20 5.0x 7.0 0.4 0.5 0.46 R MT20 3.0x 7.0 Ctr Ctr 0.36 D MT20 4.0x 6.0-0.8 0.5 0.36 A MT20 2.0x 4.0 Ctr Ctr 0.42 L MT20 3.0x 7.0 Ctr Ctr 0.37 G MT20 5.0x 5.0-0.1 3.1 0.53 T MT20 3.0x 7.0 Ctr Ctr 0.24 F MT20 5.0x 5.0 Ctr-1.2 0.60 I MT20 3.0x 7.0 Ctr Ctr 0.67 E MT20 5.0x 7.0 1.6 3.1 0.47 H MT20 2.0x 4.0 Ctr Ctr 0.31			
Jt Brg Size Required A 8.0" 1.5" E 8.0" 1.7" D 5.5" 1.5"		REVIEWED BY: Robbins Engineering, Inc. 6904 Parke East Blvd. Tampa, FL 33610			
Plus 9 Wind Load Case(s) Plus 1 UBC LL Load Case(s) Plus 1 DL Load Case(s)		REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.			
Membr CSI P Lbs AxL-CSt-Bnd		NOTES: Trusses Manufactured by: Mayo Truss Co. Inc. Analysis Conforms To: FBC2007 TPI 2002 OH Loading Soffit psf 2.0 This truss has been designed for 20.0 psf LL on the B.C.			
-----Top Chords----- S -M 0.31 859 C 0.06 0.25 M -B 0.32 916 C 0.07 0.25 B -U 0.66 942 C 0.00 0.66 U -C 0.66 1128 C 0.00 0.66 C -Q 0.15 425 T 0.05 0.10 Q -R 0.38 264 T 0.03 0.35 R -D 0.40 435 T 0.05 0.35					
-----Bottom Chords----- A -L 0.13 290 T 0.00 0.13 L -G 0.20 703 T 0.07 0.13 G -T 0.20 786 T 0.13 0.07 T -F 0.42 1223 T 0.20 0.22 F -I 0.28 354 T 0.03 0.25 I -E 0.49 186 T 0.00 0.49 E -H 0.44 308 T 0.05 0.39 H -D 0.32 308 T 0.05 0.27					

MIKE MORAN



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Online Plus -- Version 25.0.008
 RUN DATE: 26-OCT-09

CSI -Size- Lumber-
 TC 0.40 2x 4 SP-#2
 BC 0.49 2x 4 SP-#2
 CW 0.08 2x 4 SP-#2
 WB 0.46 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 9- 9-15
 TC 24.0" 9- 9-15 25- 9-14
 TC Cont. 25- 9-14 39- 4- 0
 BC Cont. 0- 0- 0 39- 4- 0

One Continuous Lateral Brace
 J -S X -S N -C E -U
 Attach CLB with (2)-10d nails
 at each web.

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0

Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
 Jt Down Uplift Horiz-
 A 1147 242 U 335 R
 E 1545 429 U
 D 540 263 U 277 R

Jt Brg Size Required
 A 3.5" 1.5"
 E 8.0" 1.7"
 D 5.5" 1.5"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
 -----Top Chords-----
 W -Q 0.16 759 C 0.05 0.11
 Q -R 0.19 1233 C 0.08 0.11
 R -B 0.15 1104 C 0.00 0.15
 B -S 0.18 891 C 0.01 0.17
 S -T 0.33 1143 C 0.00 0.33
 T -C 0.37 1143 C 0.02 0.35
 C -U 0.12 413 T 0.05 0.07
 U -V 0.38 245 T 0.03 0.35
 V -D 0.40 417 T 0.05 0.35
 -----Bottom Chords-----

Robbins Engineering, Inc./Online Plus™
 A -P 0.07 290 T 0.00 0.07
 P -L 0.07 6 T 0.00 0.07
 K -J 0.21 983 T 0.16 0.05
 G -X 0.10 3 T 0.00 0.10
 X -F 0.35 1063 T 0.18 0.17
 F -N 0.27 352 T 0.04 0.23
 N -E 0.49 201 T 0.00 0.49
 E -M 0.44 313 T 0.05 0.39
 M -D 0.32 313 T 0.05 0.27

-----Chord-Webs-----
 L -K 0.02 54 T 0.00 0.02
 K -R 0.04 157 T 0.02 0.02
 G -J 0.03 77 T 0.01 0.02
 J -B 0.08 424 T 0.07 0.01

-----Webs-----
 A -W 0.17 1119 C WindLd
 W -P 0.15 842 T
 P -Q 0.37 849 C
 P -K 0.13 706 T
 Q -K 0.09 503 T
 R -J 0.18 277 C

J -S 0.07 208 C 1 Br
 J -X 0.18 988 T
 X -S 0.08 298 C 1 Br
 S -F 0.05 271 T
 F -T 0.23 360 C
 F -C 0.46 1111 T
 N -C 0.28 815 C 1 Br
 N -U 0.14 774 T
 E -U 0.30 1109 C 1 Br
 E -V 0.29 611 T
 M -V 0.12 313 T

TL Defl -0.09" in M -D L/999
 LL Defl -0.04" in M -D L/999
 Hc Disp LL DL TL
 Jt D 0.05" 0.07" 0.12"
 Shear // Grain in T -C 0.26

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 W MT20 5.0x 5.0 Ctr Ctr 0.49
 Q MT20 3.0x 7.0 Ctr Ctr 0.33
 R MT20 3.0x 7.0 Ctr Ctr 0.36
 B MT20 5.0x 5.0 0.6-3.5 0.36
 S MT20 4.0x 8.0 Ctr Ctr 0.26
 T MT20 2.0x 4.0 Ctr Ctr 0.31
 C MT20 5.0x 7.0-1.7-3.5 0.76
 U MT20 5.0x 7.0 0.4 0.5 0.45
 V MT20 3.0x 7.0 Ctr Ctr 0.36
 D MT20 4.0x 6.0-0.8 0.5 0.36
 A MT20 2.0x 4.0 Ctr Ctr 0.41
 P MT20 4.0x 8.0 Ctr Ctr 0.43
 L MT20 2.0x 4.0 Ctr Ctr 0.58
 K MT20 5.0x 9.0 Ctr 0.8 0.44

APPROX. TRUSS WEIGHT: 398.6 LBS

J MT20 5.0x 9.0 Ctr 1.6 0.61
 G MT20 2.0x 4.0 Ctr Ctr 0.58
 X MT20 3.0x 7.0 Ctr Ctr 0.37
 F MT20 6.0x 6.0 Ctr 0.7 0.67
 N MT20 3.0x 7.0 Ctr Ctr 0.66
 E MT20 5.0x 7.0 1.6 3.1 0.47
 M MT20 2.0x 4.0 Ctr Ctr 0.31

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2007
 TPI 2002
 OH Loading

Soffit psf 2.0
 This truss has been designed
 for 20.0 psf LL on the B.C.
 in areas where a rectangle
 3- 6- 0 tall by
 2- 0- 0 wide
 will fit between the B.C.
 and any other member.

Design checked for 10 psf non-
 concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 120 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 User-defined wind-exposed BC
 regions --From-- --To--
 28- 6- 8 39- 4- 0

Max comp. force 1233 Lbs
 Max tens. force 1111 Lbs
 Fabrication Tolerance = 20%
 This truss is designed for a
 creep factor of 1.5 which is
 used to calculate total load
 deflection.

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 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL 33610
 FL Cert #5555

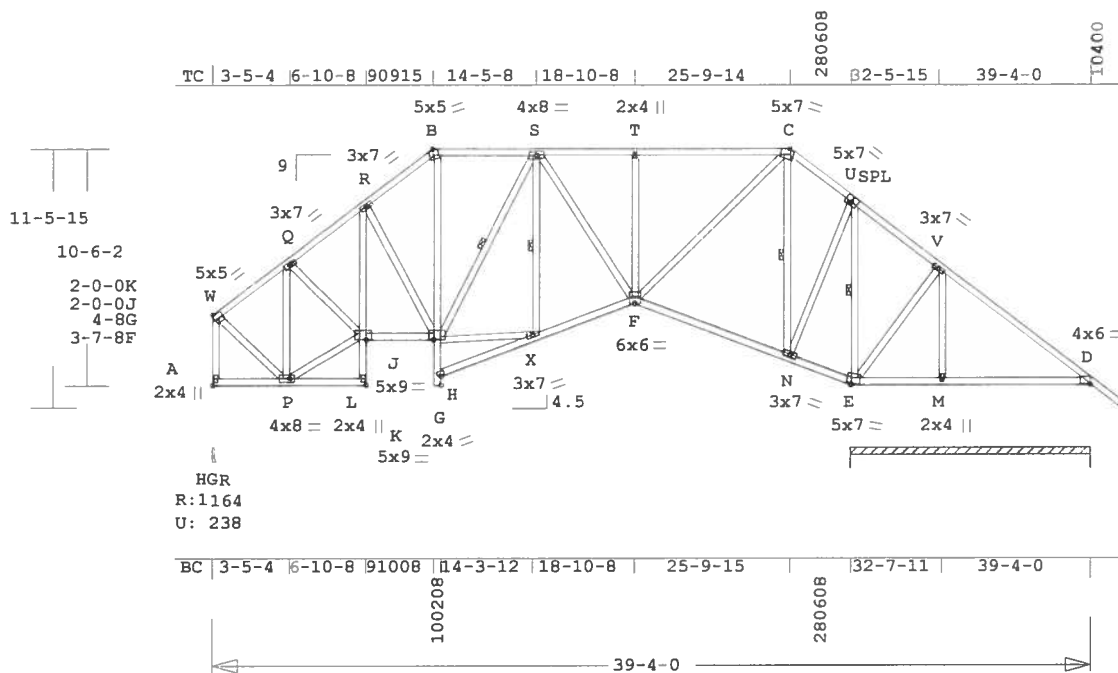
October 26, 2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	AI	1	SP	390400	9	0	1- 4- 0	T3521215

MIKE MORAN

HO 3-1-11

HO 4-9



ALL PLATES ARE MT2020

Scale 0 121" = 1'

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ---Lumber---
TC 0.41 2x 4 SP-#2
BC 0.34 2x 4 SP-#2
CW 0.09 2x 4 SP-#2
WB 0.46 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9- 9-15
TC 24.0"	9- 9-15	25- 9-14
TC Cont.	25- 9-14	39- 4- 0
BC Cont.	0- 0- 0	39- 4- 0

One Continuous Lateral Brace
J -S X -S N -C E -U
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz
A	1164	238	U 333 R
E	2068	432	U 277 R

Jt	Brg Size	Required
A	3 5"	1.5"
E	129.5"	343" to 472"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
W -Q	0.16	772	C 0.05 0.11
Q -R	0.18	1258	C 0.07 0.11
R -B	0.15	1130	C 0.00 0.15
B -S	0.18	912	C 0.01 0.17
S -T	0.34	1193	C 0.01 0.33
T -C	0.37	1193	C 0.02 0.35
C -U	0.12	466	C 0.05 0.07
U -V	0.38	241	C 0.00 0.38
V -D	0.41	120	T 0.03 0.38
-----Bottom Chords-----			
A -P	0.07	288	T 0.00 0.07
P -L	0.07	7	T 0.00 0.07

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 398.0 LBS

K	J	0.21	1003	T	0.16	0.05
G	X	0.10	4	T	0.00	0.10
X	F	0.34	1095	T	0.18	0.16
F	N	0.27	406	T	0.04	0.23
N	E	0.34	221	T	0.00	0.34
E	M	0.31	135	T	0.00	0.31
M	D	0.29	86	T	0.00	0.29

L	K	0.02	54 <th>T</th> <th>0.00</th> <th>0.02</th>	T	0.00	0.02
K	R	0.03	155	T	0.01	0.02
G	J	0.03	76	T	0.01	0.02
J	B	0.09	439	T	0.08	0.01

A	W	0.17	1137	C	WindLd
W	P	0.15	856	T	
P	Q	0.37	864	C	
Q	K	0.13	718	T	
Q	K	0.09	515	T	
R	J	0.18	274	C	
J	S	0.08	228	C	1 Br
J	X	0.18	1018	T	
X	S	0.08	308	C	1 Br
S	F	0.05	304	T	
F	T	0.23	361	C	
F	C	0.46	1109	T	
N	C	0.26	778	C	1 Br
N	U	0.14	774	T	
E	U	0.30	1101	C	1 Br
E	V	0.08	190	T	
M	V	0.25	617	C	

TL Defl	-0.22"	in F -N	L/999
LL Defl	-0.08" <th>in F -N</th> <th>L/999</th>	in F -N	L/999
Hx Disp	LL	DL	TL
Jt E	0.05"	0.07"	0.12"
Shear //	Grain	in T -C	0.26

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
W MT20 5.0x 5.0 Ctr Ctr 0.49
Q MT20 3.0x 7.0 Ctr Ctr 0.33
R MT20 3.0x 7.0 Ctr Ctr 0.36
B MT20 5.0x 5.0 0.6-3.5 0.36
S MT20 4.0x 8.0 Ctr Ctr 0.26
T MT20 2.0x 4.0 Ctr Ctr 0.31
C MT20 5.0x 7.0-1.7-3.5 0.75
U MT20 5.0x 7.0 0.4 0.5 0.45
V MT20 3.0x 7.0 Ctr Ctr 0.36
D MT20 4.0x 6.0-0.8 0.5 0.36
A MT20 2.0x 4.0 Ctr Ctr 0.41
P MT20 4.0x 8.0 Ctr Ctr 0.44
L MT20 2.0x 4.0 Ctr Ctr 0.58
K MT20 5.0x 9.0 Ctr 0.8 0.44
J MT20 5.0x 9.0 Ctr 1.6 0.61
G MT20 2.0x 4.0 Ctr Ctr 0.58

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

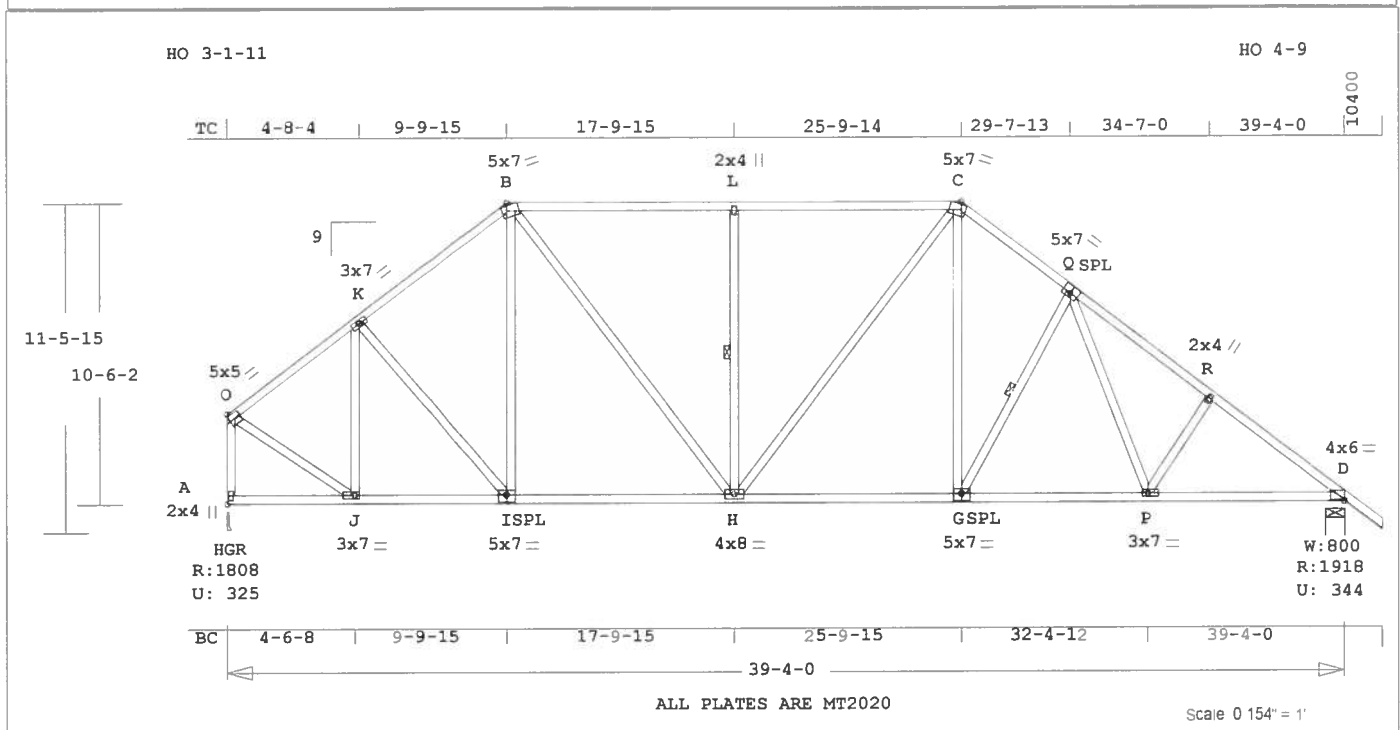
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1258 Lbs
Max tens. force 1109 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

October 26, 2009

Job MORAN-MIKE	Mark A12	Quan 2	Type SP	Span 390400	P1-H1 9	Left OH 0	Right OH 1- 4- 0	Engineering T3521216
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MIKE MORAN



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI	-Size-	-----Lumber-----
TC	0.75	2x 4 SP-#2
BC	0.74	2x 4 SP-#2
WB	0.72	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9- 9-15
TC	24.0"	9- 9-15 25- 9-14
TC Cont.	25- 9-14	39- 4- 0
BC Cont.	0- 0- 0	39- 4- 0

One Continuous Lateral Brace
H -L G -Q
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1809	325 U	333 R
D	1918	345 U	277 R

Jt	Brg Size	Required
A	3.5"	2.1"
D	8.0"	2.3"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
O -K	0.32	1441 C	0.08 0.24
K -B	0.34	1717 C	0.10 0.24
B -L	0.75	1849 C	0.02 0.73
L -C	0.75	1849 C	0.02 0.73
C -Q	0.39	2081 C	0.02 0.37
Q -R	0.34	2491 C	0.08 0.26
R -D	0.30	2645 C	0.12 0.18
-----Bottom Chords-----			
A -J	0.11	287 T	0.00 0.11
J -I	0.52	1166 T	0.19 0.33
I -H	0.68	1377 T	0.23 0.45

Robbins Engineering, Inc./Online Plus™ APPROP. TRUSS WEIGHT: 344.4 LBS

H -G	0.73	1677 T	0.28 0.45
G -P	0.74	1862 T	0.31 0.43
P -D	0.54	2105 T	0.35 0.19

-----Webs-----		
A -O	0.27 1763 C WindLd	
O -J	0.25 1400 T	
J -K	0.42 706 C	
K -I	0.07 321 T	
I -B	0.07 146 T	
B -H	0.72 773 T	
H -L	0.23 548 C	1 Br
L -C	0.34 282 T	
C -G	0.36 679 T	
G -Q	0.12 451 C	1 Br
Q -P	0.15 367 T	
P -R	0.08 301 C	

TL Defl -0.30" in H -G L/999
LL Defl -0.15" in I -H L/999
Shear // Grain in L -C 0.36

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
O MT20 5.0x 5.0 Ctr Ctr 0.77
K MT20 3.0x 7.0 Ctr Ctr 0.34
B MT20 5.0x 7.0 1.7-3.5 0.55
L MT20 2.0x 4.0 Ctr Ctr 0.34
C MT20 5.0x 7.0-1.7-3.5 0.52
Q MT20 5.0x 7.0 0.4 0.5 0.44
R MT20 2.0x 4.0 Ctr Ctr 0.31
D MT20 4.0x 6.0-0.8 0.5 0.81
A MT20 2.0x 4.0 Ctr Ctr 0.56
J MT20 3.0x 7.0 Ctr Ctr 0.60
I MT20 5.0x 7.0 Ctr-0.5 0.39
H MT20 4.0x 8.0 Ctr Ctr 0.40
G MT20 5.0x 7.0 Ctr-0.5 0.43
P MT20 3.0x 7.0 1.0 Ctr 0.35

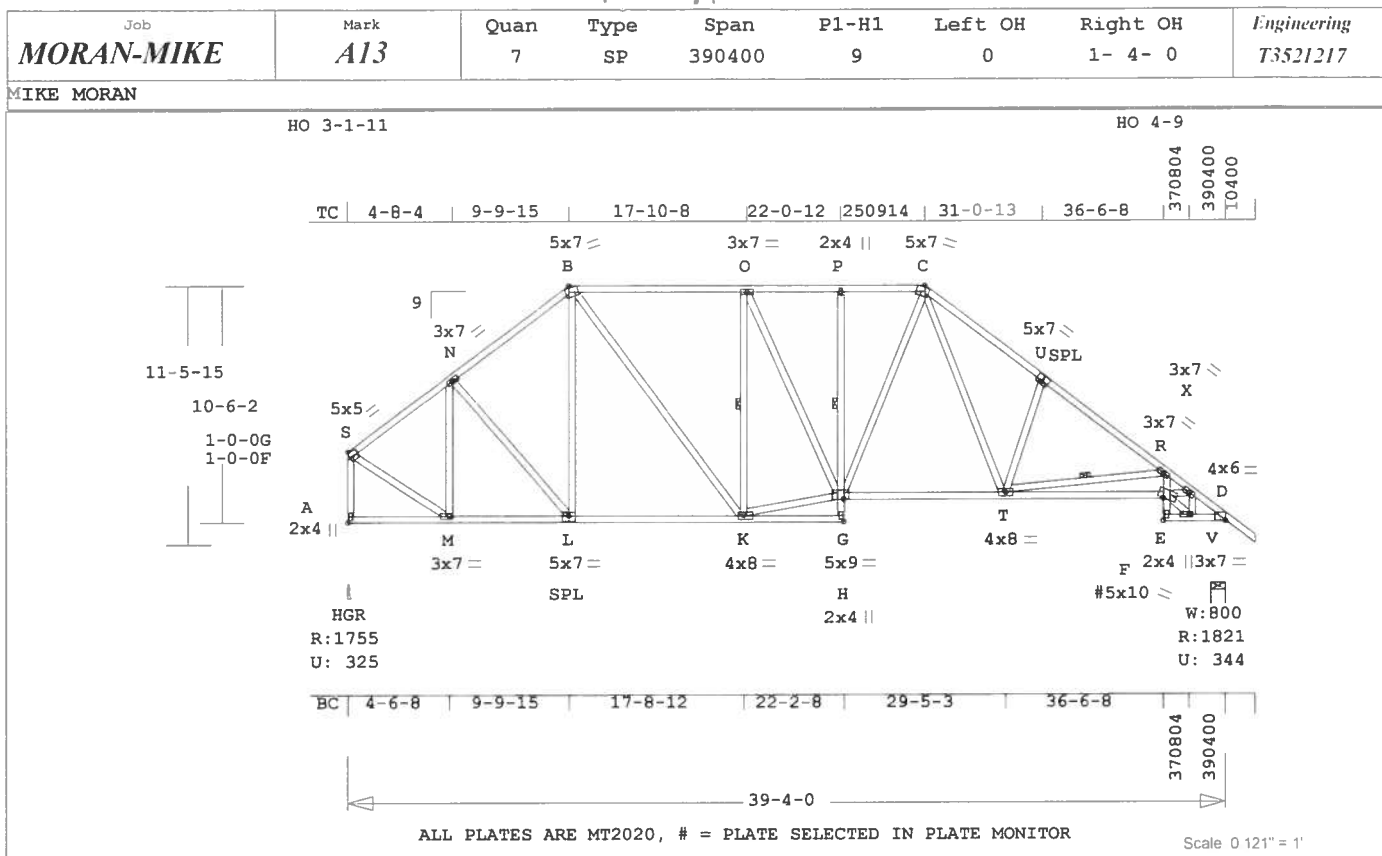
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading

Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2645 Lbs
Max tens. force 2105 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

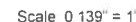


Online Plus -- Version 25.0.008		Robbins Engineering, Inc./Online Plus™		APPROX. TRUSS WEIGHT: 376.9 LBS	
RUN DATE: 26-OCT-09		REVIEWED BY:		Robbins Engineering, Inc.	
				6904 Parke East Blvd.	
				Tampa, FL 33610	
CSI -Size- Lumber----				REFER TO ROBBINS ENG. GENERAL	
TC 0.65 2x 4 SP-#2				NOTES AND SYMBOLS SHEET FOR	
BC 0.81 2x 4 SP-#1				ADDITIONAL SPECIFICATIONS.	
-- 0.58 2x 4 SP-#2					
A -L L -H E -D					
CW 0.38 2x 4 SP-#2					
WB 0.69 2x 4 SP-#2					
Brace truss as follows:					
O.C. From To					
TC Cont. 0- 0- 0 9- 9-15					
TC 24.0" 9- 9-15 25- 9-14					
TC Cont. 25- 9-14 39- 4- 0					
BC Cont. 0- 0- 0 39- 4- 0					
One Continuous Lateral Brace					
K -O T -R H -P					
Attach CLB with (2)-10d nails					
at each web.					
psf-Ld Dead Live					
TC 10.0 20.0					
BC 10.0 0.0					
TC+BC 20.0 20.0					
Total 40.0 Spacing 24.0"					
Lumber Duration Factor 1.25					
Plate Duration Factor 1.25					
TC Fb=1.15 Fc=1.10 Ft=1.10					
BC Fb=1.10 Fc=1.10 Ft=1.10					
Total Load Reactions (Lbs)					
Jt Down Uplift Horiz					
A 1755 325 U 334 R					
D 1822 345 U 277 R					
Jt Brg Size Required					
A 3.5" 2.1"					
D 8.0" 2.1"					
Plus 9 Wind Load Case(s)					
Plus 1 UBC LL Load Case(s)					
Plus 1 BC LL Load Case(s)					
Plus 1 DL Load Case(s)					
Membr CSI P Lbs Axl-CSI-Bnd					
-----Top Chords-----					
S -N 0.31 1393 C 0.08 0.23					
N -B 0.33 1654 C 0.10 0.23					
B -O 0.65 1737 C 0.07 0.58					
O -P 0.53 1879 C 0.02 0.51					
P -C 0.22 1884 C 0.12 0.10					
C -U 0.45 2541 C 0.15 0.30					
U -R 0.46 2637 C 0.12 0.34					
R -X 0.35 4625 C 0.22 0.13					
X -D 0.20 2325 C 0.03 0.17					
-----Bottom Chords-----					
A -M 0.11 268 T 0.00 0.11					

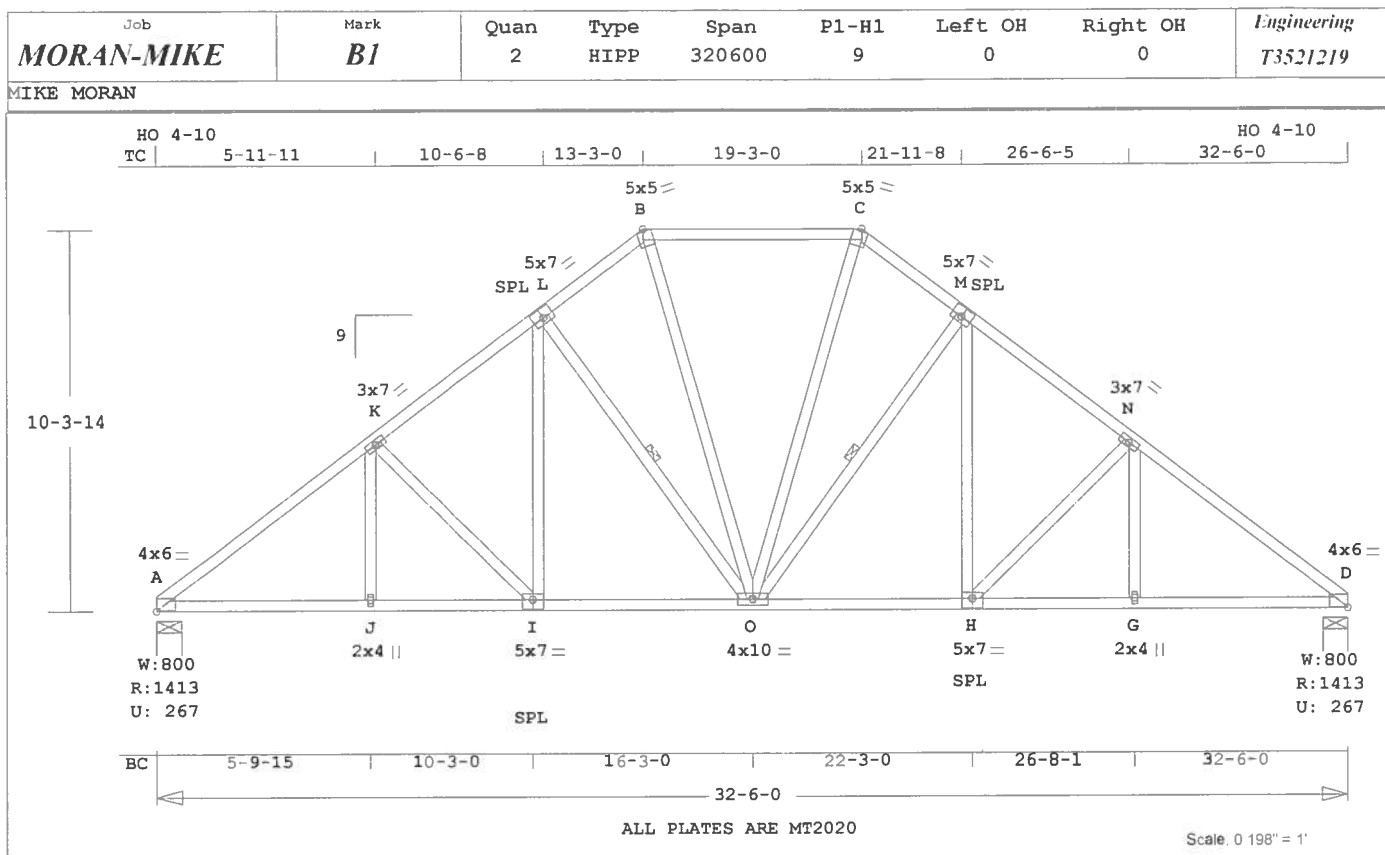
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

October 26, 2009

MIKE MORAN



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Online Plus -- Version 25.0.008
 RUN DATE: 26-OCT-09

CSI -Size- ---Lumber---
 TC 0.34 2x 4 SP-#2
 BC 0.43 2x 4 SP-#2
 WB 0.37 2x 4 SP-#2

Brace truss as follows:

TC Cont. 0- 0- 0 32- 6- 0
 BC Cont. 0- 0- 0 32- 6- 0

One Continuous Lateral Brace

L -O O -M

Attach CLB with (2) -10d nails
 at each web.

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt Down Uplift Horiz-
 A 1413 268 U 281 R
 D 1413 268 U 281 R

Jt Brg Size Required
 A 8.0" 1.7"
 D 8.0" 1.7"

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)
 Plus 1 BC LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CST-Bnd
 -----Top Chords-----
 A -K 0.34 1925 C 0.10 0.24
 K -L 0.33 1648 C 0.09 0.24
 L -B 0.19 1268 C 0.01 0.18
 B -C 0.34 1162 C 0.01 0.33
 C -M 0.19 1268 C 0.01 0.18
 M -N 0.33 1648 C 0.09 0.24
 N -D 0.34 1925 C 0.10 0.24
 -----Bottom Chords-----
 A -J 0.34 1538 T 0.25 0.09
 J -I 0.40 1538 T 0.25 0.15
 I -O 0.43 1309 T 0.21 0.22
 O -H 0.43 1309 T 0.21 0.22

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 277.7 LBS

H -G 0.40 1538 T 0.25 0.15
 G -D 0.34 1538 T 0.25 0.09

-----Webs-----
 J -K 0.02 193 T
 K -I 0.23 392 C
 I -L 0.13 417 T
 L -O 0.18 477 C 1 Br
 B -O 0.37 497 T
 O -C 0.37 497 T
 O -M 0.18 477 C 1 Br
 H -M 0.13 417 T
 H -N 0.23 392 C
 G -N 0.02 193 T

TL Defl -0.19" in O -H L/999
 LL Defl -0.09" in O -H L/999
 Shear // Grain in B -C 0.21

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 4.0x 6.0 0.8 0.5 0.60
 K MT20 3.0x 7.0 Ctr Ctr 0.33
 L MT20 5.0x 7.0-0.4 0.5 0.41
 B MT20 5.0x 5.0 1.1-3.2 0.34
 C MT20 5.0x 5.0-1.1-3.2 0.34
 M MT20 5.0x 7.0 0.4 0.5 0.41
 N MT20 3.0x 7.0 Ctr Ctr 0.33
 D MT20 4.0x 6.0-0.8 0.5 0.60
 J MT20 2.0x 4.0 Ctr Ctr 0.31
 I MT20 5.0x 7.0 Ctr-0.5 0.39
 O MT20 4.0x10.0 Ctr Ctr 0.28
 H MT20 5.0x 7.0 Ctr-0.5 0.39
 G MT20 2.0x 4.0 Ctr Ctr 0.31

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2007
 TPI 2002
 This truss has been designed
 for 20.0 psf LL on the B.C.
 in areas where a rectangle
 3- 6- 0 tall by

2- 0- 0 wide
 will fit between the B.C.
 and any other member.
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-05
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 120 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 1925 Lbs
 Max tens. force 1538 Lbs
 Fabrication Tolerance = 20%
 This truss is designed for a
 creep factor of 1.5 which is
 used to calculate total load
 deflection.

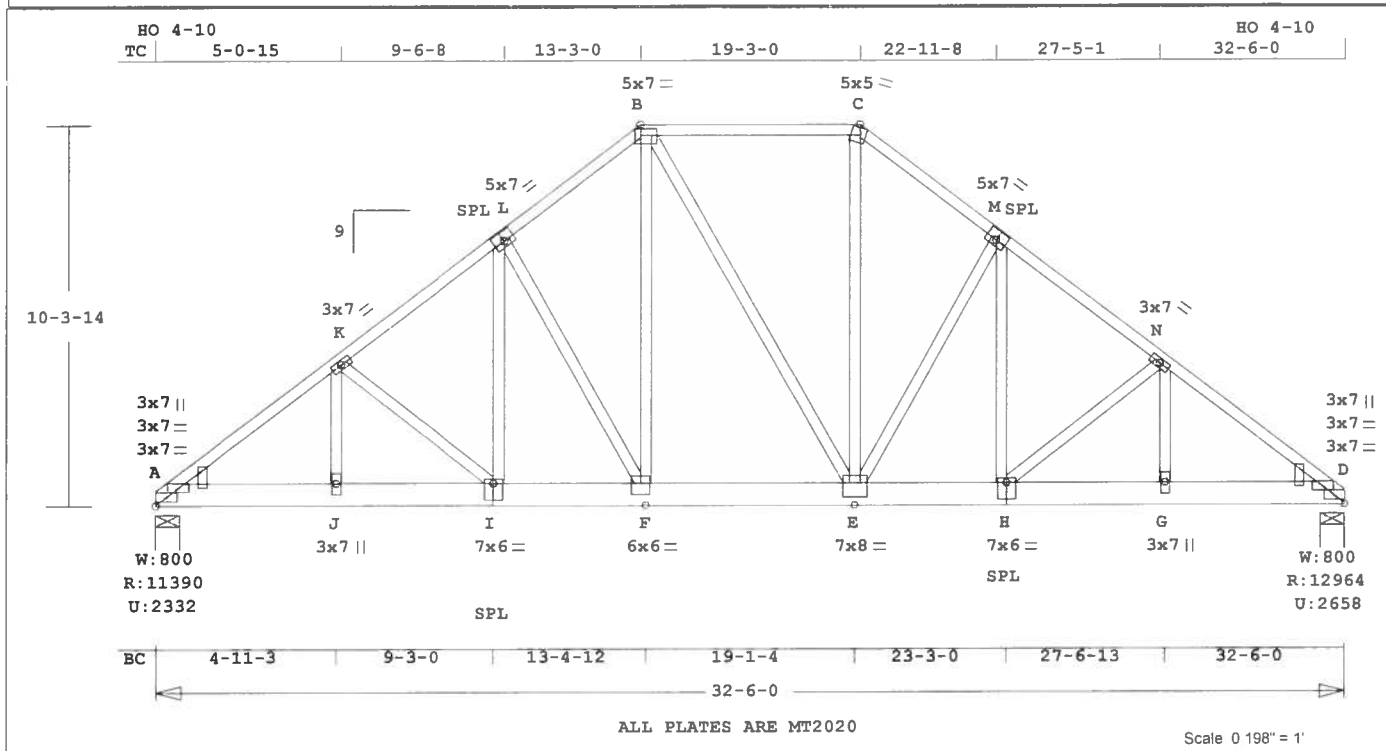
Philip J. O'Regan, FL Lic. #58126
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL, 33610
 FL Cert.#5555

MIKE MORAN



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	B3GIR	1*3P	HIPP	320600	9	0	0	T3521221

MIKE MORAN



Online Plus -- Version 25.0.008
 RUN DATE: 26-OCT-09

 * 3-Ply Truss *

CSI -Size- Lumber---
 TC 0.69 2x 4 SP-#2
 BC 0.33 2x 8 SP-2400f-2.0E
 WB 0.43 2x 4 SP-#2
 WG --- 2x 6 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 32- 6- 0
 BC Cont. 0- 0- 0 32- 6- 0

psf-Ld Dead Live
 TC 10.0 20.0
 BC 10.0 0.0
 TC+BC 20.0 20.0
 Total 40.0 Spacing 24.0"
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 TC Fb=1.15 Fc=1.10 Ft=1.10
 BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (lbs)
 Jt Down Uplift Horiz-
 A 11391 2333 U 278 R
 D 12964 2659 U 279 R

Jt Brg Size Required
 A 8.0" 3.1"
 D 8.0" 3.6"

LC# 1 BCLS Loading
 Dur Fctrs - Lbr 1.25 Plt 1.25
 plf - Dead Live* From To
 TC V 20 40 0.0' 32.5'
 BC V 20 0 0.0' 32.5'
 BC V 273 273 0.0' 13.2'
 BC V 373 373 13.2' 32.5'
 BC V 0 40 13.5' 16.8'

Plus 9 Wind Load Case(s)
 Plus 1 UBC LL Load Case(s)
 Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-Csi-Bnd
 -----Top Chords-----
 A -K 0.40 16314 C 0.27 0.13
 K -L 0.45 14029 C 0.25 0.20
 L -B 0.69 11998 C 0.15 0.54
 B -C 0.44 10101 C 0.12 0.32
 C -M 0.59 12493 C 0.16 0.43
 M -N 0.46 15075 C 0.29 0.17

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 342.6 LBS

N -D 0.49 18168 C 0.33 0.16
 -----Bottom Chords-----
 A -J 0.28 13090 T 0.15 0.13
 J -I 0.26 13090 T 0.15 0.11
 I -F 0.23 11187 T 0.12 0.11
 F -E 0.30 9676 T 0.11 0.19
 E -H 0.32 12032 T 0.13 0.19
 H -G 0.30 14577 T 0.16 0.14
 G -D 0.33 14577 T 0.16 0.17
 -----Webs-----
 J -K 0.15 2644 T
 K -I 0.10 2446 C
 I -L 0.22 3766 T
 L -F 0.19 2909 C
 F -B 0.37 6047 T
 B -E 0.05 866 T
 E -C 0.43 6993 T
 E -M 0.25 3870 C
 H -M 0.29 4885 T
 H -N 0.13 3271 C
 G -N 0.21 3650 T

TL Defl -0.41" in F -E L/913
 LL Defl -0.17" in F -E L/999
 Shear // Grain in F -E 0.46

Plates for each ply each face.
 Plate - MT20 20 Ga, Gross Area
 Plate - MT2H 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A MT20 3.0x 7.0 1.2 1.0 0.86
 A MT20 3.0x 7.0 0.4 0.5 0.69
 A MT20 3.0x 7.0 Ctr Ctr 0.00
 K MT20 3.0x 7.0 Ctr Ctr 0.46
 L MT20 5.0x 7.0-0.4 0.5 0.55
 B MT20 5.0x 7.0 Ctr-0.3 1.00
 C MT20 5.0x 5.0-0.6-3.5 0.90
 M MT20 5.0x 7.0 0.4 0.5 0.72
 N MT20 3.0x 7.0 Ctr Ctr 0.64
 D MT20 3.0x 7.0-1.2 1.0 0.96
 D MT20 3.0x 7.0-0.4 0.5 0.87
 D MT20 3.0x 7.0 Ctr Ctr 0.00
 J MT20 3.0x 7.0 Ctr-0.1 0.35
 I MT20 7.0x 6.0 Ctr-2.0 0.73
 F MT20 6.0x 6.0 Ctr-0.6 0.74
 E MT20 7.0x 8.0 Ctr-1.0 0.71
 H MT20 7.0x 6.0 Ctr-2.0 0.94
 G MT20 3.0x 7.0 Ctr-0.1 0.48

REVIEWED BY:
 Robbins Engineering, Inc.
 6904 Parke East Blvd.
 Tampa, FL 33610

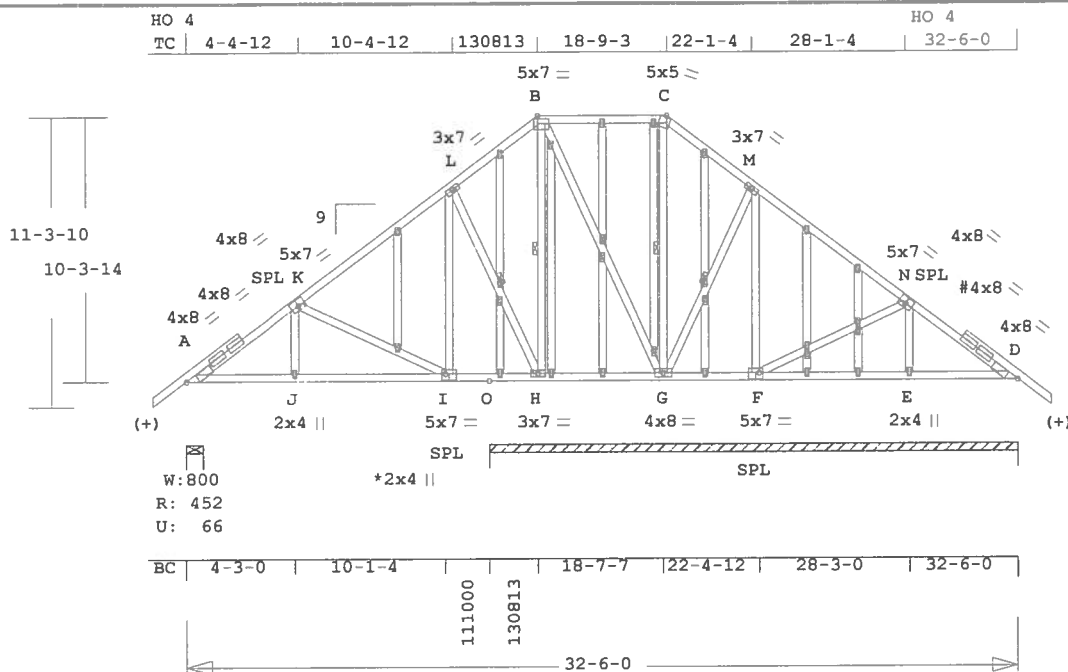
REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:
 FBC2007
 TPI 2002
 3 COMPLETE TRUSSES REQUIRED.
 Fasten together in staggered
 pattern. (1/2" bolts -OR-
 SDS4.5 screws -OR- 16d nails
 as each layer is applied.)
 -----Spacing (In)-----
 Rows Nails Screws Bolts
 TC 1 12 24 0
 BC 2 8.5 13.5 0
 WB 1 8 8
 Web Connection Exception --
 Space screws or nails for the
 following webs-
 E -C @ 4" o.c.
 No bolts in 2x4s or smaller.
 This truss has been designed
 for 20.0 psf LL on the B.C.
 in areas where a rectangle
 3- 6- 0 tall by
 2- 0- 0 wide
 will fit between the B.C.
 and any other member.
 Design checked for 10 psf non-
 concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-05
 Truss is designed as
 Components and Claddings*
 for Exterior zone location.
 Wind Speed: 120 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 18168 Lbs
 Max tens. force 14577 Lbs
 Fabrication Tolerance = 20%
 This truss is designed for a
 creep factor of 1.5 which is
 used to calculate total load
 deflection.

Philip J. O'Regan, FL Lic. #58126
 Robbins Engineering
 6904 Parke East Blvd
 Tampa, FL 33610
 FL Cert #5555

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	B4GE	1	SP	320600	9	0	0	T3521222

MIKE MORAN



ALL PLATES ARE MT2020, # = PLATE SELECTED IN PLATE MONITOR

See * For Typical Gable Plate Size and Placement

Scale 0 138" = 1'

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ---Lumber---
TC 0.29 2x 4 SP-#2
BC 0.19 2x 4 SP-#2
WB 0.30 2x 4 SP-#2
(+) 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0-0-0 13-8-13
TC 24.0" 13-8-13 18-9-3
TC Cont. 18-9-3 32-6-0
BC Cont. 0-0-0 32-6-0

One Continuous Lateral Brace
L-H H-B G-C G-M
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 452 66 U 281 R
O 2148 470 U 281 R

Jt Brg Size Required
A 8.0" 1.5"
O 248.0" 142"-to- 390"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -K 0.27 527 C 0.00 0.27
K -L 0.27 104 C 0.00 0.27
L -B 0.28 146 T 0.01 0.27
B -C 0.21 165 T 0.02 0.19
C -M 0.27 142 T 0.00 0.27
M -N 0.29 72 T 0.00 0.29
N -D 0.29 44 C 0.00 0.29
-----Bottom Chords-----
A -J 0.19 459 T 0.04 0.15
J -I 0.19 459 T 0.04 0.15
I -O 0.14 200 T 0.00 0.14
O -H 0.09 200 T 0.00 0.09
H -G 0.09 364 C 0.00 0.09
G -F 0.14 252 T 0.00 0.14

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 410.8 LBS

F -E 0.17 60 T 0.00 0.17
E -D 0.17 60 T 0.00 0.17

-----Webs-----
J -K 0.03 213 T
K -I 0.30 457 C
I -L 0.05 336 T
L -H 0.14 526 C 1 Br
H -B 0.13 332 C 1 Br
B -G 0.03 38 T
G -C 0.12 312 C 1 Br
C -M 0.06 250 C 1 Br
M -N 0.09 106 C
N -O 0.16 249 C
O -E 0.03 201 C

TL Defl -0.07" in J -I L/999
LL Defl -0.03" in J -I L/999
Shear // Grain in M -N 0.19

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 8.0 1.1 0.5 0.33
K MT20 5.0x 7.0-0.4 0.5 0.41
L MT20 3.0x 7.0 Ctr Ctr 0.36
B MT20 5.0x 7.0 Ctr-0.3 0.53
C MT20 5.0x 5.0-1.1-3.2 0.33
M MT20 3.0x 7.0 Ctr Ctr 0.36
N MT20 5.0x 7.0 0.4 0.5 0.41
D MT20 4.0x 8.0-1.1 0.5 0.33
J MT20 2.0x 4.0 Ctr Ctr 0.31
I MT20 5.0x 7.0 Ctr-0.5 0.46
H MT20 3.0x 7.0 Ctr Ctr 0.33
G MT20 4.0x 8.0 Ctr Ctr 0.26
F MT20 5.0x 7.0 Ctr-0.5 0.46
E MT20 2.0x 4.0 Ctr Ctr 0.31

13 Gable studs to be attached
with 2.0x4.0 plates each end.
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

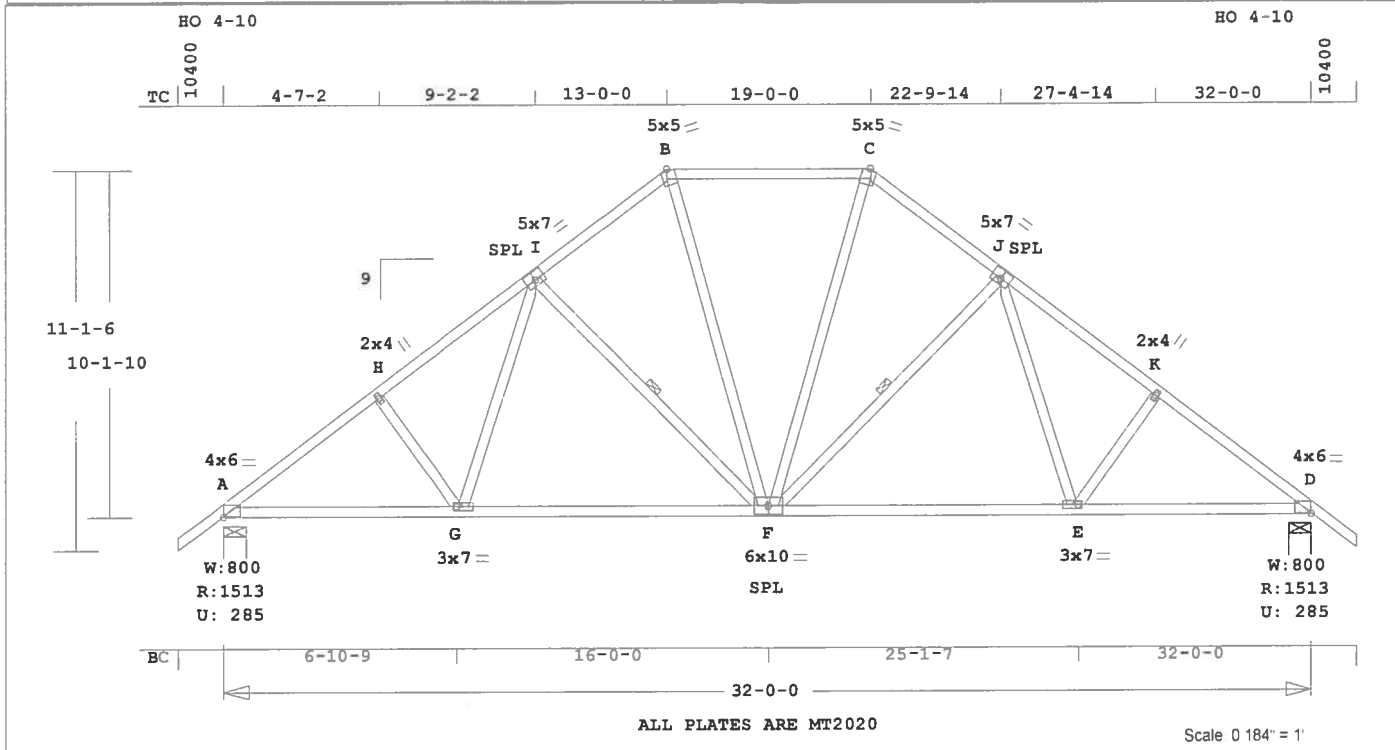
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
WARNING Do Not Cut overframe
member between outside of
truss and first tie-plate

to inside of heel plate.
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 527 Lbs
Max tens. force 459 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
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FL Cert.#5555

Job MORAN-MIKE	Mark CI	Quan 6	Type HIPP	Span 320000	P1-H1 9	Left OH 1- 4- 0	Right OH 1- 4- 0	Engineering T3521223
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MIKE MORAN



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- Lumber-
TC 0.35 2x 4 SP-#2
BC 0.80 2x 4 SP-#2
WB 0.31 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	13- 0- 0
TC	24.0"	13- 0- 0
TC Cont.	19- 0- 0	32- 0- 0
BC Cont.	0- 0- 0	32- 0- 0

One Continuous Lateral Brace
I -F F -J
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (lbs)

Jt	Down	Uplift	Horiz-
A	1514	285 U	275 R
D	1514	285 U	275 R

Jt	Brg Size	Required
A	8.0"	1.8"
D	8.0"	1.8"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -H	0.26	2017 C	0.10 0.16
H -I	0.26	1860 C	0.10 0.16
I -B	0.23	1302 C	0.08 0.15
B -C	0.35	1185 C	0.02 0.33
C -J	0.23	1302 C	0.08 0.15
J -K	0.26	1860 C	0.10 0.16
K -D	0.26	2017 C	0.10 0.16
-----Bottom Chords-----			

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 254.0 LBS

A -G	0.59	1601 T	0.26	0.33	
G -F	0.80	1363 T	0.22	0.58	
F -E	0.80	1363 T	0.22	0.58	
E -D	0.59	1601 T	0.26	0.33	

-----Webs-----					
H -G	0.07	276 C			
G -I	0.10	426 T			
I -F	0.16	460 C			1 Br
B -F	0.31	500 T			
F -C	0.31	500 T			
F -J	0.16	460 C			1 Br
J -E	0.10	426 T			
E -K	0.07	276 C			

TL Defl	-0.29"	in G -F	L/999		
LL Defl	-0.12"	in G -F	L/999		
Shear //	Grain	in G -F	0.22		

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.8 0.5 0.63
H MT20 2.0x 4.0 Ctr Ctr 0.31
I MT20 5.0x 7.0-0.4 0.5 0.47
B MT20 5.0x 5.0 1.1-3.2 0.35
C MT20 5.0x 5.0-1.1-3.2 0.35
J MT20 5.0x 7.0 0.4 0.5 0.47
K MT20 2.0x 4.0 Ctr Ctr 0.31
D MT20 4.0x 6.0-0.8 0.5 0.63
G MT20 3.0x 7.0 Ctr Ctr 0.30
F MT20 6.0x10.0 Ctr Ctr 0.47
E MT20 3.0x 7.0 Ctr Ctr 0.30

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

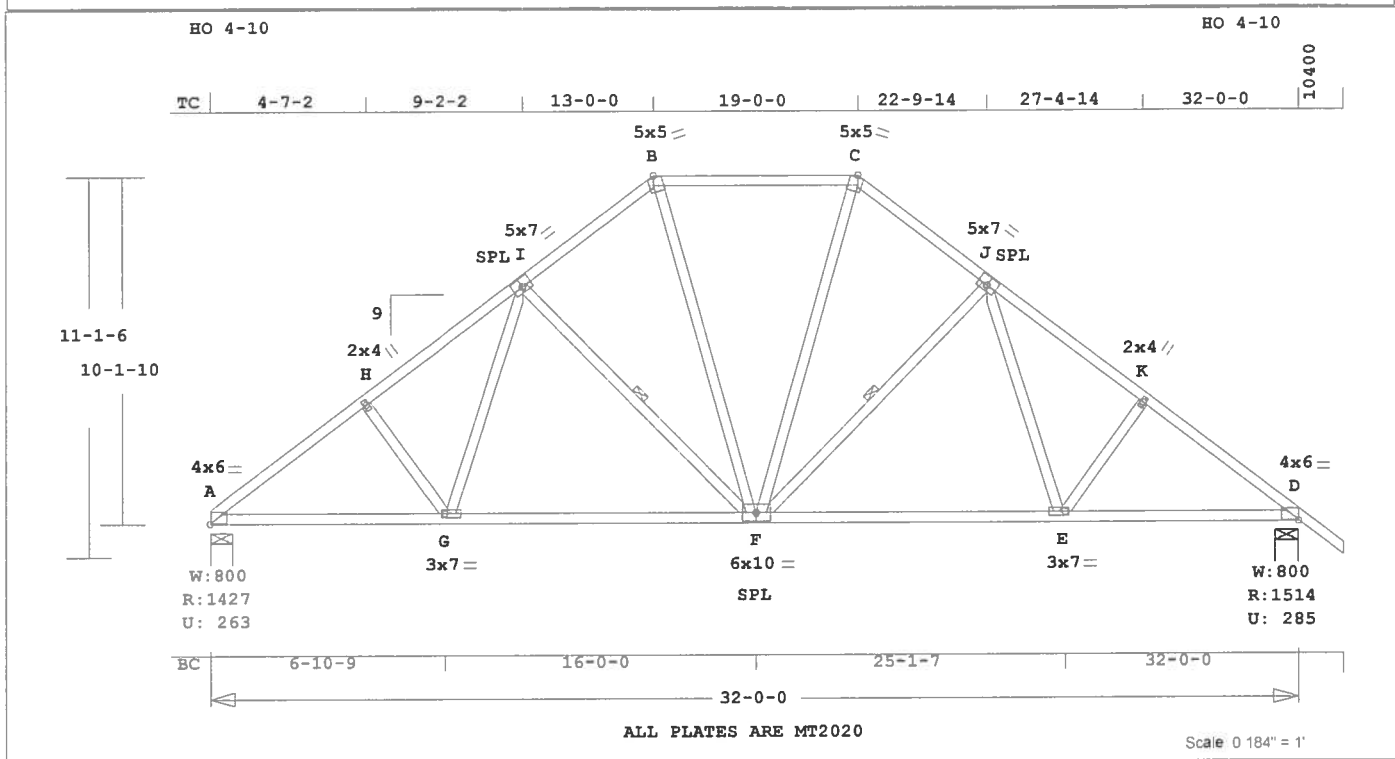
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.

in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2017 Lbs
Max tens. force 1601 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
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FL Cert #5555

October 26, 2009

Job MORAN-MIKE	Mark C2	Quan 5	Type HIPP	Span 320000	P1-H1 9	Left OH 0	Right OH 1- 4- 0	Engineering T3521224
MIKE MORAN								



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI	-Size-	-----Lumber-----
TC	0.35	2x 4 SP-#2
BC	0.80	2x 4 SP-#2
WB	0.31	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	13- 0- 0
TC Cont.	24.0"	13- 0- 0
TC Cont.	19- 0- 0	32- 0- 0
BC Cont.	0- 0- 0	32- 0- 0

One Continuous Lateral Brace
I -F F -J
Attach CLB with (2)-10d nails
at each web.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1428	264 U	275 R
D	1514	285 U	275 R

Jt	Brg Size	Required
A	8.0"	1.7"
D	8.0"	1.8"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -H	0.26	2019 C	0.10 0.16
H -I	0.26	1863 C	0.10 0.16
I -B	0.23	1303 C	0.08 0.15
B -C	0.35	1186 C	0.02 0.33
C -J	0.23	1303 C	0.08 0.15
J -K	0.26	1861 C	0.10 0.16
K -D	0.26	2017 C	0.10 0.16
-----Bottom Chords-----			

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 251.5 LBS

A -G	0.60	1605 T	0.26 0.34
G -F	0.80	1364 T	0.22 0.58
F -E	0.80	1363 T	0.22 0.58
E -D	0.59	1602 T	0.26 0.33
-----Webs-----			
H -G	0.07	278 C	
G -I	0.10	429 T	
I -F	0.16	461 C	1 Br
B -F	0.31	500 T	
F -C	0.31	500 T	
F -J	0.16	460 C	1 Br
J -E	0.10	426 T	
E -K	0.07	276 C	

TL Defl -0.29" in F -E L/999
LL Defl -0.12" in F -E L/999
Shear // Grain in G -F 0.22

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 6.0 0.8 0.5 0.63
H MT20 2.0x 4.0 Ctr Ctr 0.31
I MT20 5.0x 7.0-0.4 0.5 0.47
B MT20 5.0x 5.0 1.1-3.2 0.35
C MT20 5.0x 5.0-1.1-3.2 0.35
J MT20 5.0x 7.0 0.4 0.5 0.47
K MT20 2.0x 4.0 Ctr Ctr 0.31
D MT20 4.0x 6.0-0.8 0.5 0.63
G MT20 3.0x 7.0 Ctr Ctr 0.30
F MT20 6.0x10.0 Ctr Ctr 0.47
E MT20 3.0x 7.0 Ctr Ctr 0.30

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.

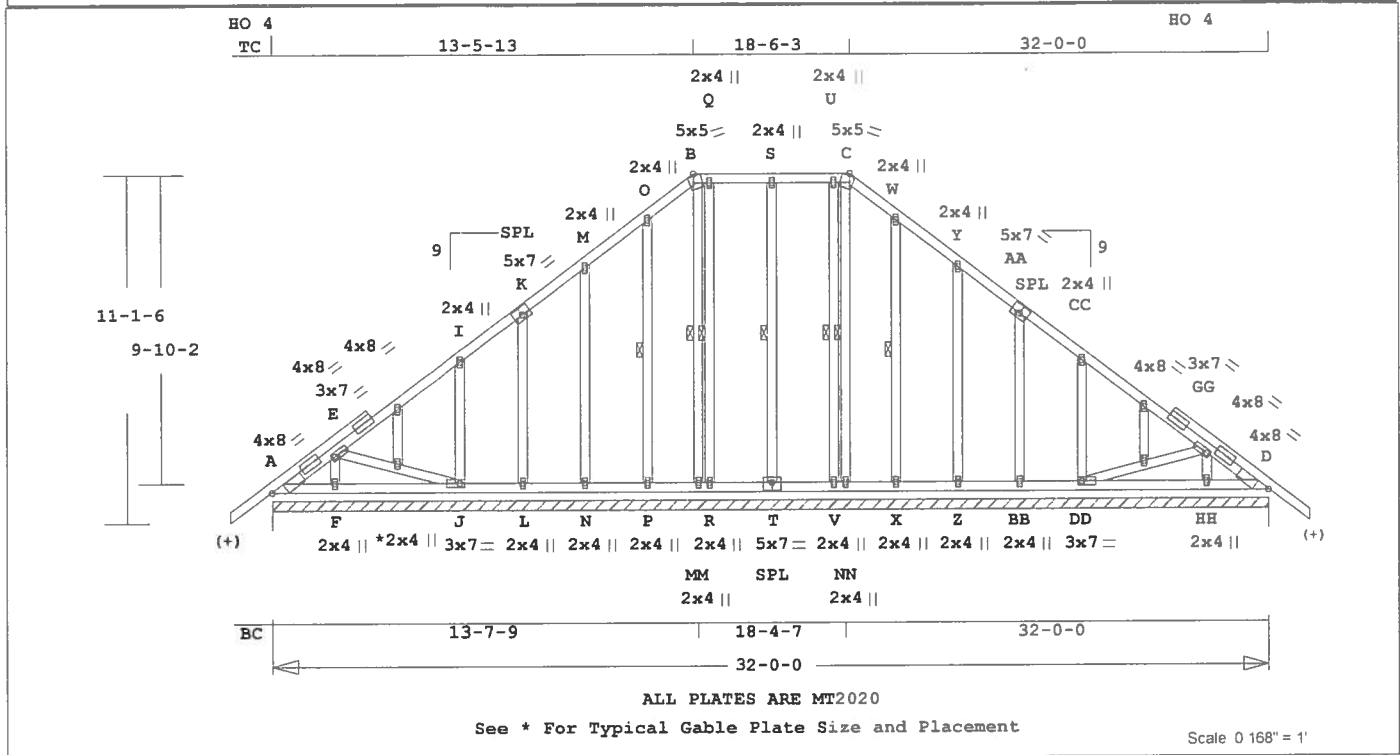
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2019 Lbs
Max tens. force 1605 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

October 26, 2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	C3GE	1	SP	320000	9	0	0	T3521225

MIKE MORAN



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ---Lumber---
TC 0.14 2x 4 SP-#2
BC 0.06 2x 4 SP-#2
WB 0.03 2x 4 SP-#2
GW 0.13 2x 4 SP-#2
(+) 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 13- 5-13
TC 24.0\" 13- 5-13 18- 6- 3
TC Cont. 18- 6- 3 32- 0- 0
BC Cont. 0- 0- 0 32- 0- 0

One Continuous Lateral Brace:
MM-B NN-C P-O R-Q
T-S V-U X-W
Attach CLB with (2) 10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0\"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 2560 528 U 275 R

Jt Brg Size Required
A 384.0\" 0\"-to- 384\"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -E 0.13 161 C 0.01 0.12
B -I 0.14 208 C 0.02 0.12
I -K 0.11 82 C 0.00 0.11
K -M 0.04 62 C 0.00 0.04
M -O 0.04 133 T 0.01 0.03
O -B 0.03 212 T 0.02 0.01
B -Q 0.03 202 T 0.02 0.01
Q -S 0.04 202 T 0.02 0.02
S -U 0.04 202 T 0.02 0.02
U -C 0.03 202 T 0.02 0.01
C -W 0.03 211 T 0.02 0.01
W -Y 0.04 133 T 0.01 0.03
Y -AA 0.04 62 C 0.00 0.04

Robbins Engineering, Inc./Online Plus™ APPX. TRUSS WEIGHT: 362.7 LBS

AA-CC 0.11 82 C 0.00 0.11
CC-GG 0.14 208 C 0.02 0.12
GG-D 0.13 161 C 0.01 0.12

-----Bottom Chords-----
A -F 0.06 15 T 0.00 0.06
F -J 0.06 0 T 0.00 0.06
J -L 0.06 0 T 0.00 0.06
L -N 0.02 0 T 0.00 0.02
N -P 0.02 0 T 0.00 0.02
P -MM 0.01 0 T 0.00 0.01
MM-R 0.01 0 T 0.00 0.01
R -T 0.02 0 T 0.00 0.02
T -V 0.02 0 T 0.00 0.02
V -NN 0.01 0 T 0.00 0.01
NN-X 0.01 0 T 0.00 0.01
X -Z 0.02 0 T 0.00 0.02
Z -BB 0.02 0 T 0.00 0.02
BB-DD 0.06 0 T 0.00 0.06
DD-HH 0.06 0 T 0.00 0.06
HH-D 0.06 15 T 0.00 0.06

-----Webs-----
E -J 0.03 149 T
MM-B 0.01 50 C
NN-C 0.01 47 C
DD-GG 0.03 149 T

-----Gable Webs-----
F -E 0.01 203 C
J -I 0.07 261 C
L -K 0.05 116 C
N -M 0.13 167 C
P -O 0.04 129 C
R -Q 0.02 71 C
T -S 0.05 131 C
V -U 0.02 70 C
X -W 0.03 127 C
Z -Y 0.13 167 C
BB-AA 0.05 115 C
DD-CC 0.07 261 C
HH-GG 0.01 203 C

TL Defl 0.00\" in F -J L/999
LL Defl 0.00\" in F -J L/999
Shear // Grain in E -I 0.12

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 8.0 1.1 0.5 0.33
E MT20 3.0x 7.0 Ctr Ctr 0.25
I MT20 2.0x 4.0 Ctr Ctr 0.28
K MT20 5.0x 7.0-0.4 0.5 0.37
M MT20 2.0x 4.0 Ctr Ctr 0.28
O MT20 2.0x 4.0 Ctr Ctr 0.28
B MT20 5.0x 5.0 1.1-3.2 0.33
Q MT20 2.0x 4.0 Ctr Ctr 0.31
S MT20 2.0x 4.0 Ctr Ctr 0.31

U MT20 2.0x 4.0 Ctr Ctr 0.31
C MT20 5.0x 5.0-1.1-3.2 0.33
W MT20 2.0x 4.0 Ctr Ctr 0.28
Y MT20 2.0x 4.0 Ctr Ctr 0.28
AA MT20 5.0x 7.0 0.4 0.5 0.37
CC MT20 2.0x 4.0 Ctr Ctr 0.28
GG MT20 3.0x 7.0 Ctr Ctr 0.25
D MT20 4.0x 8.0-1.1 0.5 0.33
F MT20 2.0x 4.0 Ctr Ctr 0.31
J MT20 3.0x 7.0 Ctr Ctr 0.23
L MT20 2.0x 4.0 Ctr Ctr 0.31
N MT20 2.0x 4.0 Ctr Ctr 0.31
P MT20 2.0x 4.0 Ctr Ctr 0.31
MM MT20 2.0x 4.0 Ctr Ctr 0.31
R MT20 2.0x 4.0 Ctr Ctr 0.31
T MT20 5.0x 7.0 Ctr-0.5 0.39
V MT20 2.0x 4.0 Ctr Ctr 0.31
NN MT20 2.0x 4.0 Ctr Ctr 0.31
X MT20 2.0x 4.0 Ctr Ctr 0.31
Z MT20 2.0x 4.0 Ctr Ctr 0.31
BB MT20 2.0x 4.0 Ctr Ctr 0.31
DD MT20 3.0x 7.0 Ctr Ctr 0.23
HH MT20 2.0x 4.0 Ctr Ctr 0.31

2 Gable studs to be attached
with 2.0x4.0 plates each end.
REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
WARNING Do Not Cut overframe
member between outside of
truss and first tie-plate
to inside of heel plate.
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00

Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 261 lbs
Max tens. force 239 lbs
Fabrication Tolerance = 20\"
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
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Tampa, FL 33610
FL Cert #5555

October 26, 2009

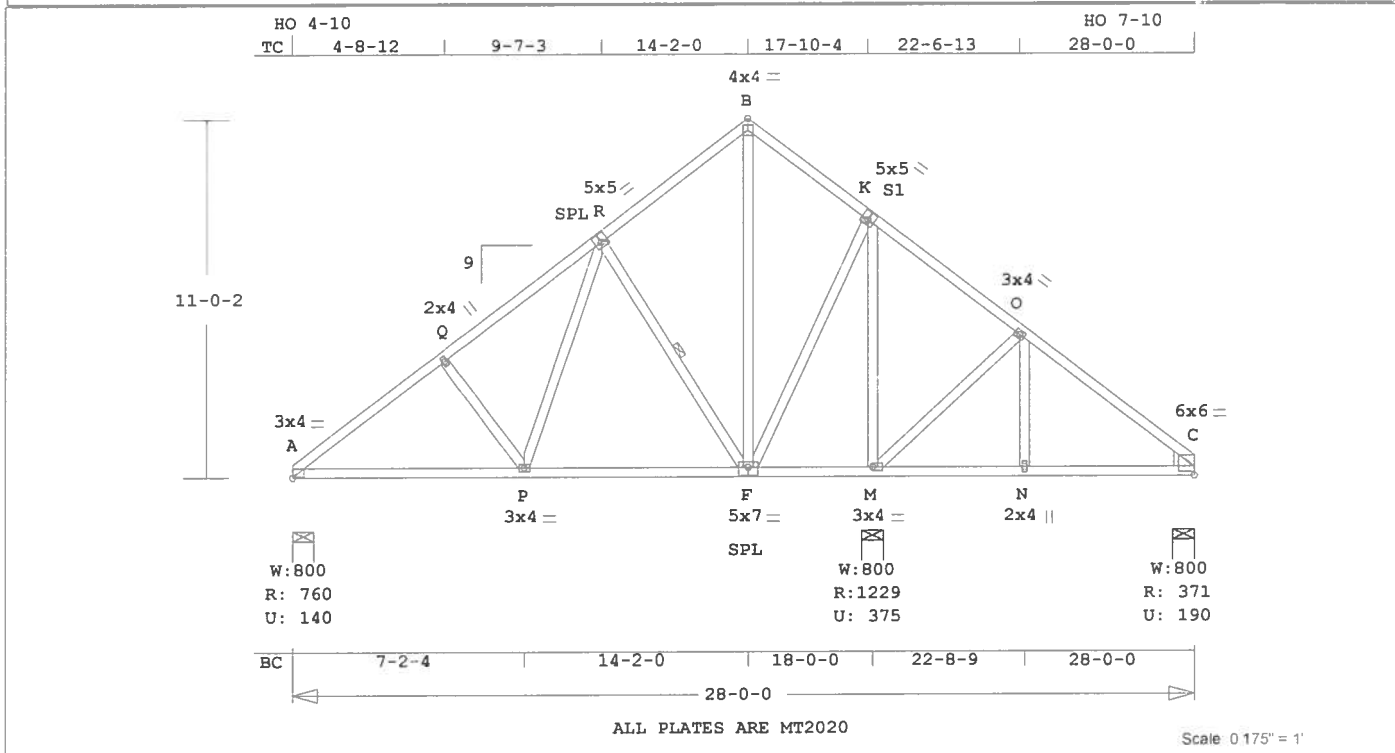
MIKE MORAN



Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	D1	3	TR	280000	9	0	0	T3521227

MIKE MORAN



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ---Lumber---
TC 0.28 2x 4 SP-#2
BC 0.40 2x 4 SP-#2
WB 0.90 2x 4 SP-#2
WG --- 2x 6 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 28- 0- 0
BC Cont. 0- 0- 0 28- 0- 0
One Continuous Lateral Brace
R -F
Attach CLB with (2)-10d nails
at each web.

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 761 140 U 290 R
M 1230 375 U
C 371 191 U 289 R

Jt Brg Size Required
A 8.0" 1.5"
M 8.0" 1.5"
C 8.0" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -Q 0.23 933 C 0.04 0.19
Q -R 0.25 769 C 0.05 0.20
R -B 0.24 394 C 0.04 0.20
B -S1 0.18 404 C 0.04 0.14
S1-O 0.25 120 T 0.01 0.24
O -C 0.28 360 T 0.04 0.24
-----Bottom Chords-----
A -P 0.40 751 T 0.12 0.28
P -F 0.36 481 T 0.08 0.28

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 227.4 LBS

F -M	0.23	207	T	0.00	0.23
M -N	0.19	229	T	0.00	0.19
N -C	0.19	229	T	0.00	0.19

-----Webs-----
Q -P 0.08 303 C
P -R 0.14 436 T
R -F 0.14 507 C
F -B 0.40 274 T
B -S1 0.10 560 T
M -S1 0.90 944 C
M -O 0.21 536 T
N -O 0.07 277 C

TL Defl -0.10" in P -F L/999
LL Defl -0.05" in P -F L/999
Shear // Grain in P -F 0.18

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 4.0 Ctr Ctr 0.54
Q MT20 2.0x 4.0 Ctr Ctr 0.31
R MT20 5.0x 5.0-0.4 0.5 0.53
B MT20 4.0x 4.0 Ctr Ctr 0.41
S1 MT20 5.0x 5.0 0.4 0.5 0.58
O MT20 3.0x 4.0 Ctr Ctr 0.51
C MT20 6.0x 6.0-2.8 1.1 0.57
P MT20 3.0x 4.0 Ctr Ctr 0.39
F MT20 5.0x 7.0 Ctr-0.5 0.47
M MT20 3.0x 4.0 Ctr Ctr 0.41
N MT20 2.0x 4.0 Ctr Ctr 0.31

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
18- 0- 0 28- 0- 0
Max comp. force 944 Lbs
Max tens. force 751 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
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FL Cert #5555

October 26, 2009

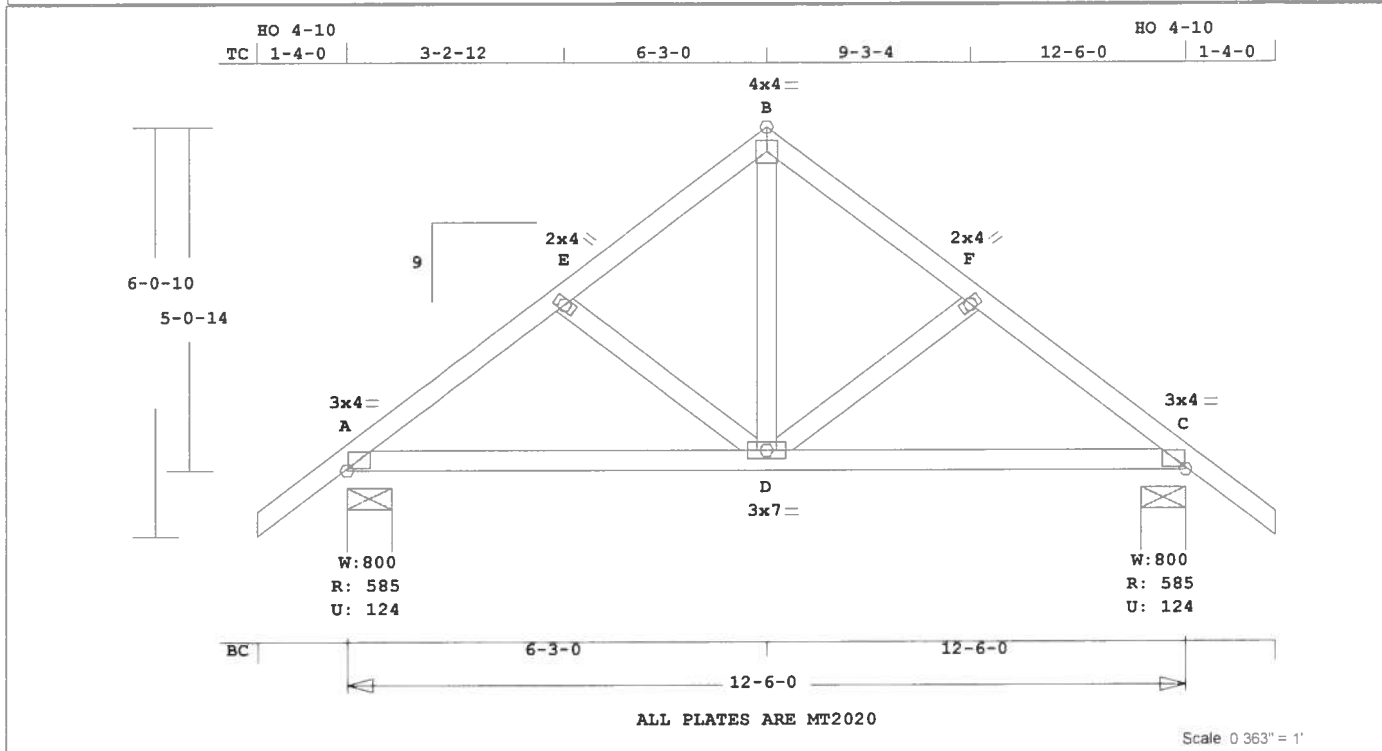
MIKE MORAN



Robbins Engineering, Inc./Online Plus™ © 1996-2009 Version 25.0.006 Engineering - Portrait 10/26/2009 9:32:12 AM Page 1

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	E1	1	TR	120'600	9	1- 4- 0	1- 4- 0	T3521229

MIKE MORAN



Robbins Engineering, Inc./Online Plus™ AFIPQ1 TRUSS WEIGHT: 52.3 LBS
Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber----
TC 0.10 2x 4 SP-#2
BC 0.25 2x 4 SP-#2
WB 0.05 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 12- 6- 0
BC Cont. 0- 0- 0 12- 6- 0

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 585 124 U 114 R
C 585 124 U 114 R

Jt Brg Size Required
A 8.0" 1.5"
C 8.0" 1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -E 0.10 565 C 0.03 0.07
E -B 0.10 418 C 0.03 0.07
B -F 0.10 418 C 0.03 0.07
F -C 0.10 565 C 0.03 0.07
-----Bottom Chords-----
A -D 0.25 456 T 0.04 0.21
D -C 0.25 456 T 0.04 0.21
-----Webs-----
E -D 0.04 208 C

D -B 0.05 342 T
D -F 0.04 208 C
TL Defl -0.05" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in A -D 0.14

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 4.0 Ctr Ctr 0.48
E MT20 2.0x 4.0 Ctr Ctr 0.14
B MT20 4.0x 4.0 Ctr Ctr 0.41
F MT20 2.0x 4.0 Ctr Ctr 0.14
C MT20 3.0x 4.0 Ctr Ctr 0.48
D MT20 3.0x 7.0 Ctr Ctr 0.19

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*

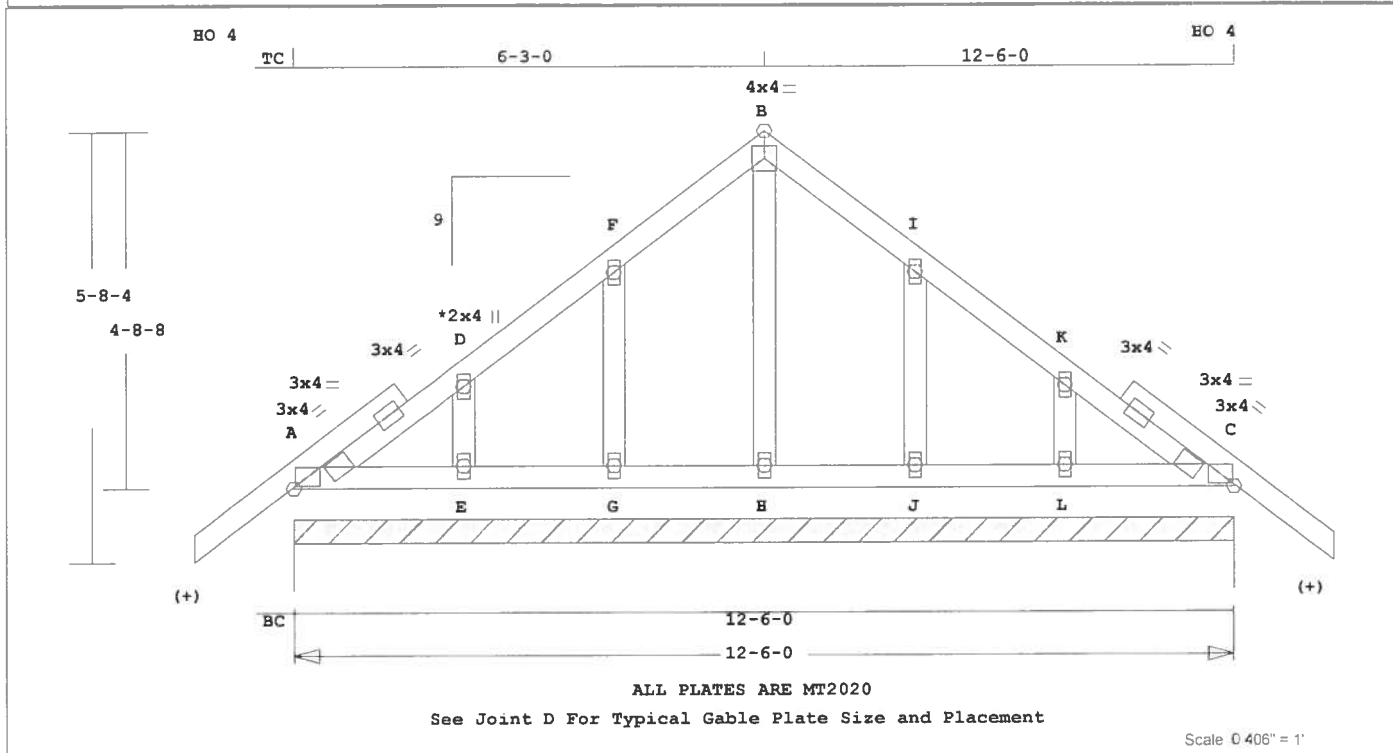
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 565 Lbs
Max tens. force 456 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL 33610
FL Cert #5555

October 26, 2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	E2GE	1	TR	120600	9	0	0	T3521230

MIKE MORAN



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ---Lumber---
TC 0.04 2x 4 SP-#2
BC 0.03 2x 4 SP-#2
GW 0.02 2x 4 SP-#2
(+) 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 12- 6- 0
BC Cont. 0- 0- 0 12- 6- 0

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1000 206 U 105 R

Jt Brg Size Required
A 150.0" 0"-to- 150"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -D	0.03		64 C	0.00	0.03
D -F	0.03		55 C	0.00	0.03
F -B	0.04		119 C	0.01	0.03
B -I	0.04		119 C	0.01	0.03
I -K	0.03		55 C	0.00	0.03
K -C	0.03		64 C	0.00	0.03
-----Bottom Chords-----					
A -E	0.03		11 T	0.00	0.03
E -G	0.02		0 T	0.00	0.02
G -H	0.02		0 T	0.00	0.02
H -J	0.02		0 T	0.00	0.02
J -L	0.02		0 T	0.00	0.02

Robbins Engineering, Inc./Online Plus™ AIPPOK. TRUSS WEIGHT: 86.9 LBS

L -C 0.03 11 T 0.00 0.03
-----Gable Webs-----

E -D 0.01 155 C
G -F 0.02 159 C
H -B 0.01 57 C
J -I 0.02 159 C
L -K 0.01 155 C

TL Defl 0.00" in A -E L/999
LL Defl 0.00" in A -E L/999
Shear // Grain in A -D 0.07

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 4.0 Ctr Ctr 0.48
D MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 4.0x 4.0 Ctr Ctr 0.41
I MT20 2.0x 4.0 Ctr Ctr 0.00
K MT20 2.0x 4.0 Ctr Ctr 0.00
C MT20 3.0x 4.0 Ctr Ctr 0.48
E MT20 2.0x 4.0 Ctr Ctr 0.00
G MT20 2.0x 4.0 Ctr Ctr 0.00
H MT20 2.0x 4.0 Ctr Ctr 0.00
J MT20 2.0x 4.0 Ctr Ctr 0.00
L MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
WARNING Do Not Cut overframe
member between outside of
truss and first tie-plate
to inside of heel plate.

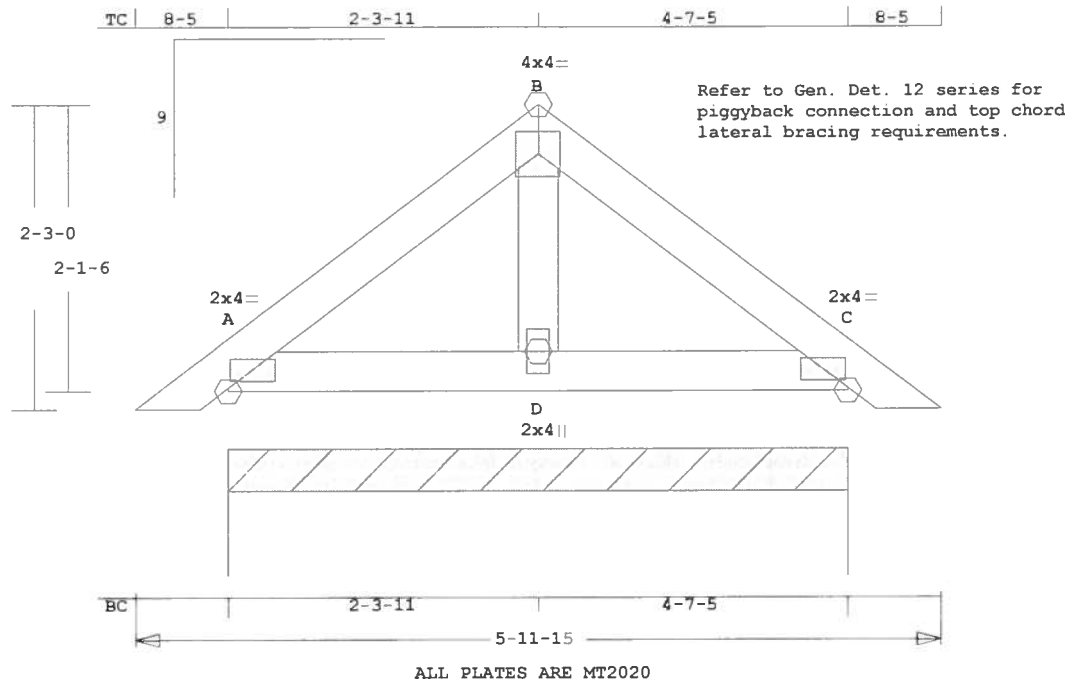
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 159 Lbs
Max tens. force 150 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL 33610
FL Cert #5555

October 26, 2009

Job MORAN-MIKE	Mark P2	Quan 15	Type TR	Span 51115	Pl-H1 9	Left OH 8- 5	Right OH 8- 5	Engineering T3521232
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MIKE MORAN



Scale 0.726" = 1'

Robbins Engineering, Inc./Online Plus™ APIRCH. TRUSS WEIGHT: 25.6 LBS

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber-----
TC 0.04 2x 4 SP-#2
BC 0.02 2x 4 SP-#2
WB 0.00 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	5-11-15	
BC Cont.	0- 0- 0	5-11-15	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	370	83 U	40 R

Jt	Brg Size	Required
A	55.3"	0"-to- 55"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -B	0.04	99 C	0.01	0.03	
B -C	0.04	99 C	0.01	0.03	
-----Bottom Chords-----					
A -D	0.02	1 T	0.00	0.02	
D -C	0.02	1 T	0.00	0.02	
-----Webs-----					
D -B	0.00	29 C			

TL Defl 0.00" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in A -B 0.06

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.58
B MT20 4.0x 4.0 Ctr Ctr 0.41
C MT20 2.0x 4.0 Ctr Ctr 0.58
D MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

FBC2007
TPI 2002
OH Loading
Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed

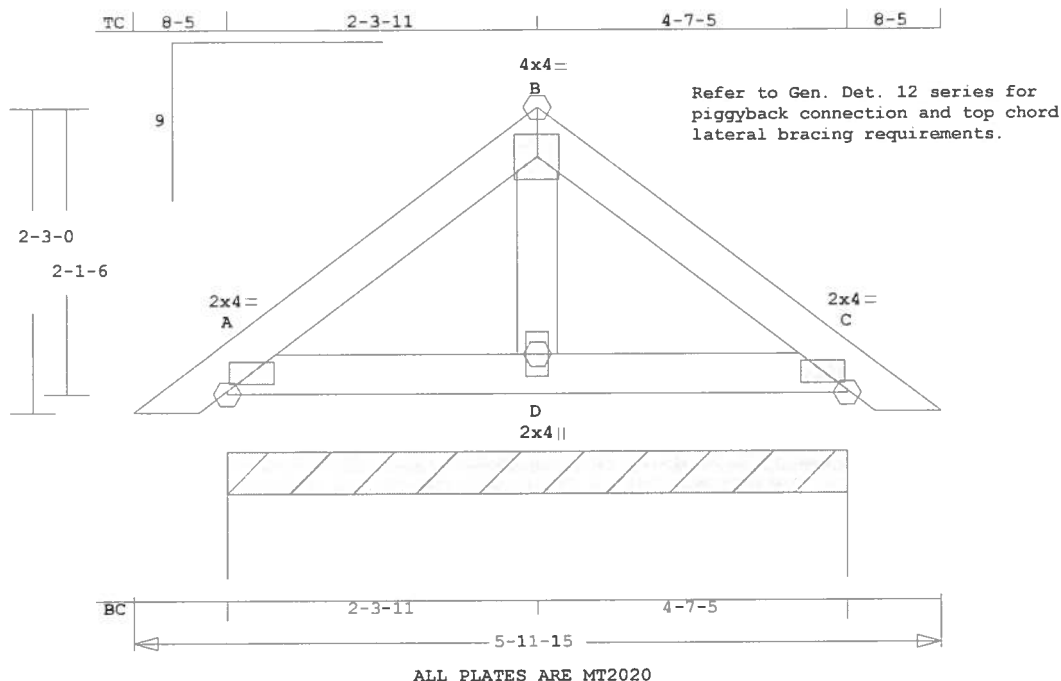
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 99 Lbs
Max tens. force 84 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

October 26, 2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	P3GIR	1*2P	TR	51115	9	8- 5	8- 5	T3521233

MIKE MORAN



Scale 0.726" = 1'

Robbins Engineering, Inc./Online Plus™ L/999. TRUSS WEIGHT: 25.6 LBS

Online Plus -- Version 25.0.008

RUN DATE: 26-OCT-09

* 2-Ply Truss *

CSI -Size- ----Lumber----

TC	0.01	2x 4	SP-#2
BC	0.01	2x 4	SP-#2
WB	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5-11-15
BC	Cont.	0- 0- 0	5-11-15

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
TC	Fb=1.15	Fc=1.10 Ft=1.10
BC	Fb=1.10	Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	370	83 U	40 R

Jt	Brg Size	Required
A	55.3"	0"-to- 55"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.01	99 C	0.00	0.01	
B -C	0.01	99 C	0.00	0.01	
-----Bottom Chords-----					
A -D	0.01	1 T	0.00	0.01	
D -C	0.01	1 T	0.00	0.01	
-----Webs-----					
D -B	0.00	29 C			

TL Defl	0.00"	in D -C	L/999
LL Defl	0.00"	in D -C	L/999
Shear //	Grain	in A -B	0.03

Plates for each ply each face.

Plate - MT20	20 Ga,	Gross Area
Plate - MT2H	20 Ga,	Gross Area
Jt Type	Plt Size	X Y JSI
A	MT20	2.0x 4.0 Ctr Ctr 0.58
B	MT20	4.0x 4.0 Ctr Ctr 0.41
C	MT20	2.0x 4.0 Ctr Ctr 0.58
D	MT20	2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007

TPI 2002

2 COMPLETE TRUSSES REQUIRED.

Fasten together in staggered
pattern. (1/2" bolts -OR-
SDS3 screws -OR- 10d nails
as each layer is applied.)

	Rows	Nails	Screws	Bolts
TC	1	12	24	0
BC	1	12	24	0
WB	1	8	8	

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 99 Lbs

Max tens. force 84 Lbs

Fabrication Tolerance = 20%

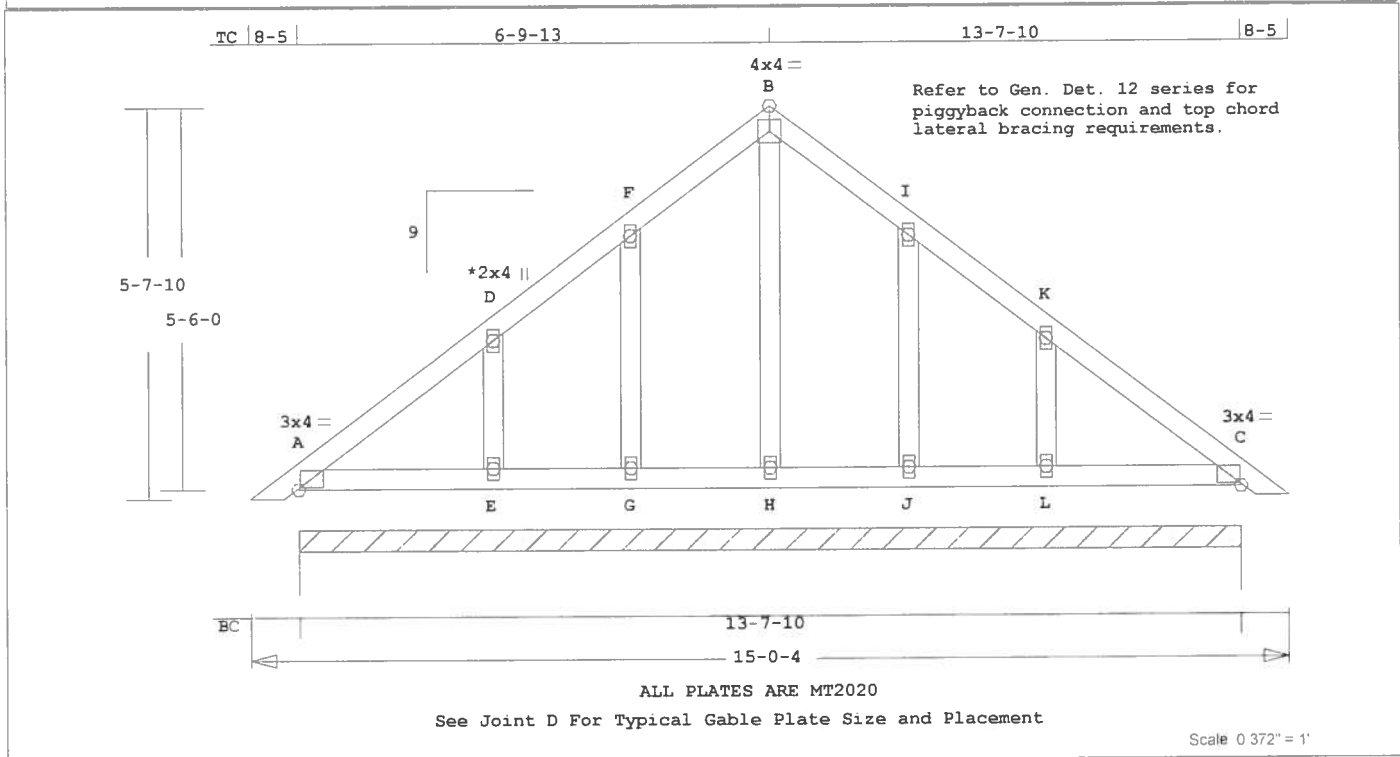
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa FL 33610
FL Cert #5555

October 26, 2009

Job MORAN-MIKE	Mark P4GE	Quan 2	Type TR	Span 150004	P1-H1 9	Left OH 8- 5	Right OH 8- 5	Engineering T3521234
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MIKE MORAN



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber----

TC	0.06	2x 4	SP-#2
BC	0.05	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	15- 0- 4
BC	Cont.	0- 0- 0	15- 0- 4

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
TC	Fb=1.15	Fc=1.10 Ft=1.10
BC	Fb=1.10	Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1092	231	125 R

Jt	Brg Size	Required
A	163.6"	0"-to- 164"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -D	0.06	74	C	0.00	0.06
D -F	0.06	70	C	0.00	0.06
F -B	0.03	145	C	0.00	0.03
B -I	0.03	145	C	0.00	0.03
I -K	0.06	70	C	0.00	0.06
K -C	0.06	74	C	0.00	0.06
-----Bottom Chords-----					
A -E	0.05	2	T	0.00	0.05
E -G	0.03	0	T	0.00	0.03
G -H	0.02	0	T	0.00	0.02
H -J	0.02	0	T	0.00	0.02

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 90.8 LBS

J -L	0.03	0	T	0.00	0.03
L -C	0.05	2	T	0.00	0.05

-----Gable Webs-----

E -D	0.02	201	C
G -F	0.03	144	C
H -B	0.03	86	C
J -I	0.03	144	C
L -K	0.02	201	C

TL Defl	0.00"	in L -C	L/999
LL Defl	0.00"	in L -C	L/999
Shear //	Grain	in A -D	0.09

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr Ctr	0.48
D	MT20	2.0x 4.0	Ctr Ctr	0.00
F	MT20	2.0x 4.0	Ctr Ctr	0.00
B	MT20	4.0x 4.0	Ctr Ctr	0.41
I	MT20	2.0x 4.0	Ctr Ctr	0.00
K	MT20	2.0x 4.0	Ctr Ctr	0.00
C	MT20	3.0x 4.0	Ctr Ctr	0.48
E	MT20	2.0x 4.0	Ctr Ctr	0.00
G	MT20	2.0x 4.0	Ctr Ctr	0.00
H	MT20	2.0x 4.0	Ctr Ctr	0.00
J	MT20	2.0x 4.0	Ctr Ctr	0.00
L	MT20	2.0x 4.0	Ctr Ctr	0.00

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0

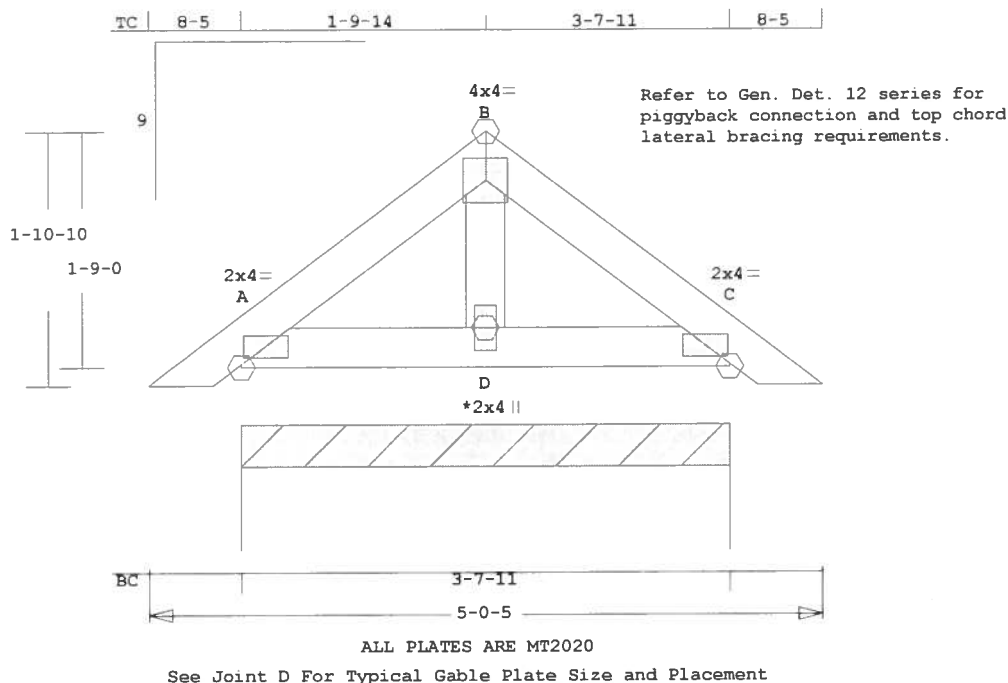
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 201 Lbs
Max tens. force 185 Lbs
Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

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FL Cert.#5555

October 26, 2009

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
MORAN-MIKE	P5GE	3	TR	50005	9	8- 5	8- 5	T3521235

MIKE MORAN



Scale 0.722" = 1'

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber-----
TC 0.02 2x 4 SP-#2
BC 0.01 2x 4 SP-#2
GW 0.00 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 5- 0- 5
BC Cont. 0- 0- 0 5- 0- 5

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 293 67 U 31 R

Jt Brg Size Required
A 43.7" 0"-to- 44"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.02 67 C 0.00 0.02
B -C 0.02 67 C 0.00 0.02
-----Bottom Chords-----
A -D 0.01 0 T 0.00 0.01
D -C 0.01 0 T 0.00 0.01

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 20.8 LBS

-----Gable Webs-----
D -B 0.00 32 C

TL Defl 0.00" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in A -B 0.04

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.58
B MT20 4.0x 4.0 Ctr Ctr 0.41
C MT20 2.0x 4.0 Ctr Ctr 0.58
D MT20 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 67 Lbs
Max tens. force 57 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

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FL Cert #5555

October 26, 2009

MIKE MORAN



Perkins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 55.2 LBS

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

	CSI	-Size-	----Lumber----
TC	0.48	2x 4	SP-#2
BC	0.28	2x 4	SP-#2
WB	0.26	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9-10-13
BC	Cont.	0- 0- 0	9-10-13

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"
Lumber	Duration	Factor	1.25
Plate	Duration	Factor	1.25
TC Fb=1.00	Fc=1.00	Ft=1.00	
BC Fb=1.00	Fc=1.00	Ft=1.00	

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	397	260 U	79 R
C	349	159 U	
B	234	120 U	102 R

Jt	Brg Size	Required
A	7.8"	1.5"
C	1.5"	1.5"
B	1.5"	1.5"

LC#	1	Girder Loading			
Dur	Fctrs	- Lbr	1.25	Plt	1.25
tf	- Dead	Live*	From	To	
TC V	20	40	0.0'	9.9'	
BC V	20	0	0.0'	9.9'	
TC V	-20	-40	0.0'		
	22	45		9.9'	
BC V	-20	0	0.0'		
	22	0		9.9'	

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

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Membr  CSI  P  Lbs  Axl-CSt-Bnd
-----Top Chords-----

```

A	-E	0.48	1366	T	0.19	0.29
E	-B	0.41	62	T	0.00	0.41
-----Bottom Chords-----						
A	-D	0.23	1404	C	0.00	0.23
D	-C	0.28	1404	C	0.09	0.19
-----Webs-----						
D	-E	0.03	349	C		
E	-C	0.26	1537	T		
C	-B	0.02	0	T	WindLd	

TL Defl	-0.06"	in D	-C	L/999
LL Defl	-0.02"	in D	-C	L/999
Shear //	Grain	in E	-B	0.30

Jt	Type	Plt Size	X	Y	JSI	
A	MT20	3.0x	4.0	Ctr	Ctr	0.60
E	MT20	3.0x	4.0	Ctr	Ctr	0.80
B	MT20	2.0x	4.0	Ctr	Ctr	0.13
D	MT20	2.0x	4.0	Ctr	Ctr	0.19
C	MT20	3.0x	4.0	-0.5	Ctr	0.85

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2001 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

Girder King Jack
Loading TC and BC
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

concurrent LL on BC.
Use properly rated hangers for
loads framing into girder
truss.

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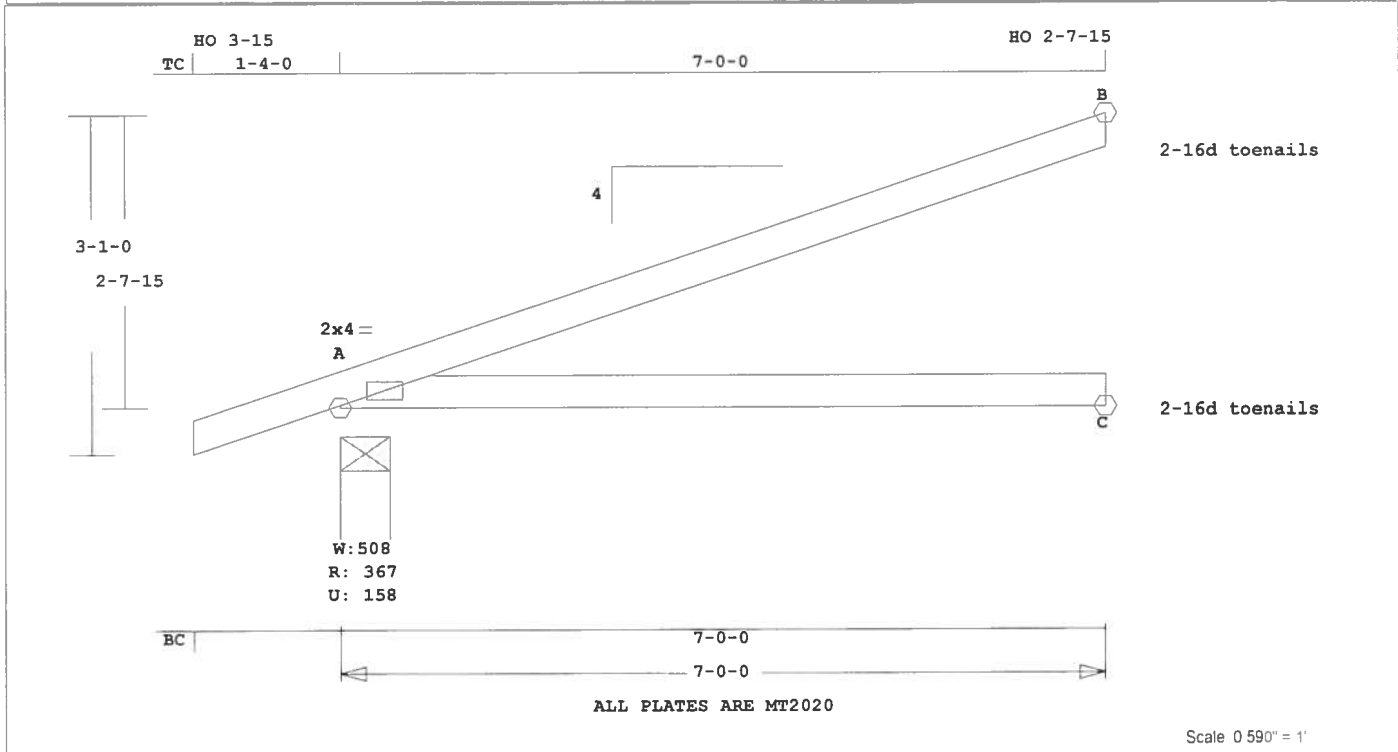
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 9-10-13
Max comp. force 1404 Lbs
Max tens. force 1537 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

```

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Job MORAN-MIKE	Mark J1	Quan 1	Type JCA2	Span 70000	Pl-H1 4	Left OH 1- 4- 0	Right OH 0	Engineering T3521237
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MIKE MORAN



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber----
TC 0.76 2x 4 SP-#2
BC 0.79 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 7- 0- 0
BC Cont. 0- 0- 0 7- 0- 0

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 368 158 U 227 R
C 131 60 U
B 187 98 U 57 R

Jt Brg Size Required
A 5.5" 1.5"
C 3.5" 1.5"
B 1.5" 1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CST-Bnd
-----Top Chords-----
A -B 0.76 133 C 0.00 0.76
-----Bottom Chords-----
A -C 0.79 0 T 0.00 0.79

TL Defl -0.19" in A -C L/389
LL Defl -0.08" in A -C L/975
Shear // Grain in A -B 0.36

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 30.0 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.73

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007
TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf

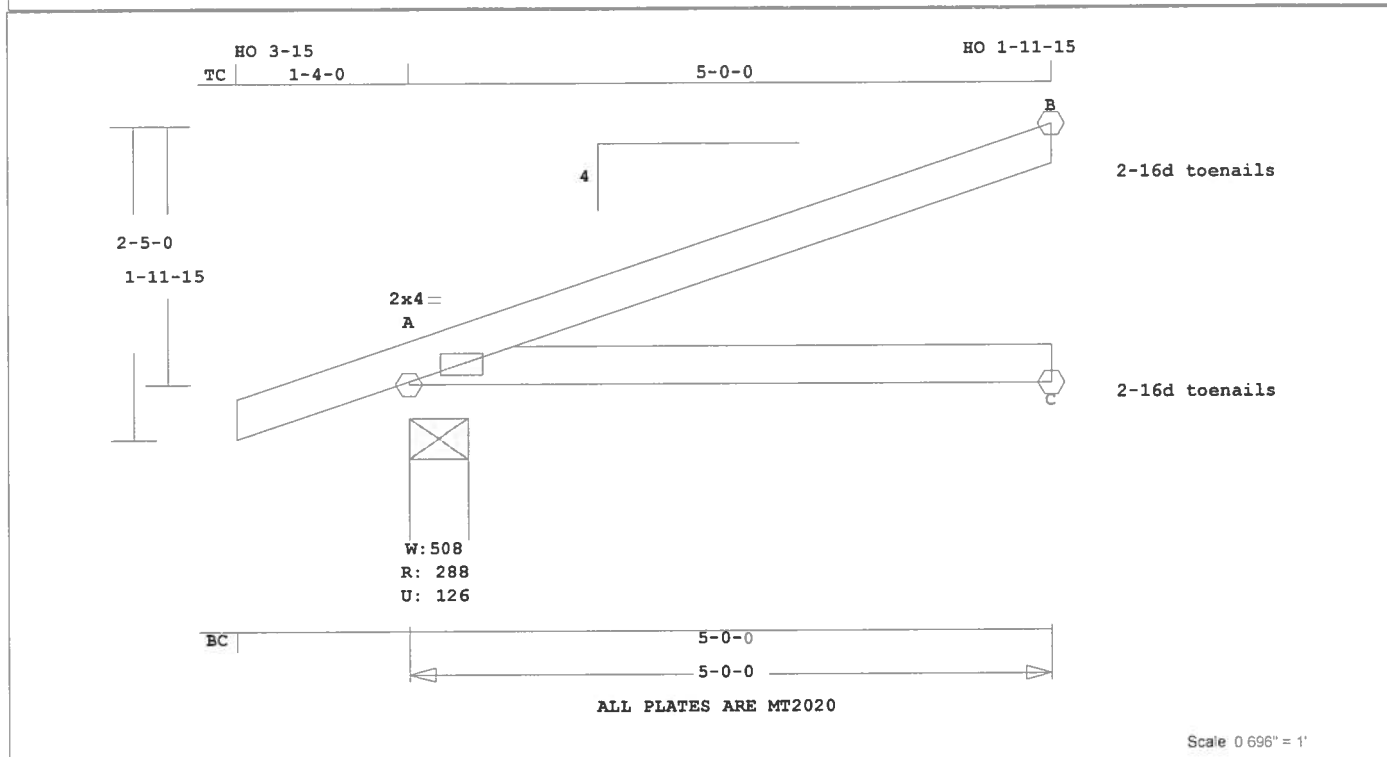
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 7- 0- 0
Max comp. force 133 Lbs
Max tens. force 34 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

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FL Cert #5555

October 26, 2009

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
MORAN-MIKE	J2	2	JCA2	50000	4	1- 4- 0	0	T3521238

MIKE MORAN



Scale 0.696" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 22.2 LBS
Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber----
TC 0.47 2x 4 SP-#2
BC 0.47 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 5- 0- 0
BC Cont. 0- 0- 0 5- 0- 0

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 289 127 U 190 R
C 93 43 U
B 132 70 U 40 R

Jt Brg Size Required
A 5.5" 1.5"
C 3.5" 1.5"
B 1.5" 1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.47 108 C 0.00 0.47
-----Bottom Chords-----
A -C 0.47 0 T 0.00 0.47

TL Defl -0.05" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.29

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.73

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2007
TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide

will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05

Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 5- 0- 0
Max comp. force 108 Lbs
Max tens. force 25 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

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Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

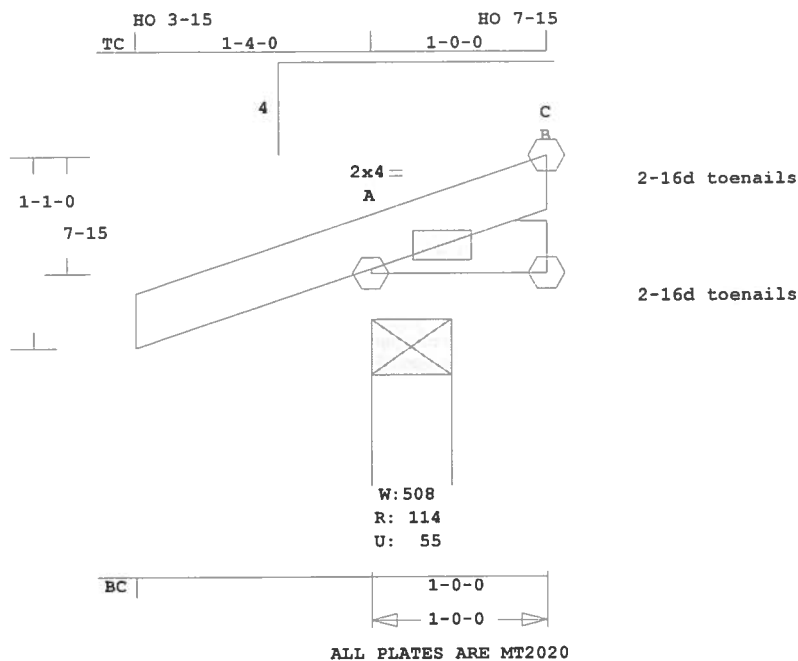
MIKE MORAN



Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
MORAN-MIKE	J4	2	JCA2	10000	4	1- 4- 0	0	T3521240

MIKE MORAN



Scale 0.952" = 1'

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber-----
TC 0.00 2x 4 SP-#2
BC 0.00 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 1- 0- 0
BC Cont. 0- 0- 0 1- 0- 0

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 114 56 U 44 R
B 8 5 U
A 43 25 U 7 R

Jt Brg Size Required
A 3.5" 1.5"
B 1.5" 1.5"
A 1.5" 1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -B 0.00 7 C
-----Bottom Chords-----
A -C 0.00 0 T

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in C -C 0.02

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 6.7 LBS

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.73

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf

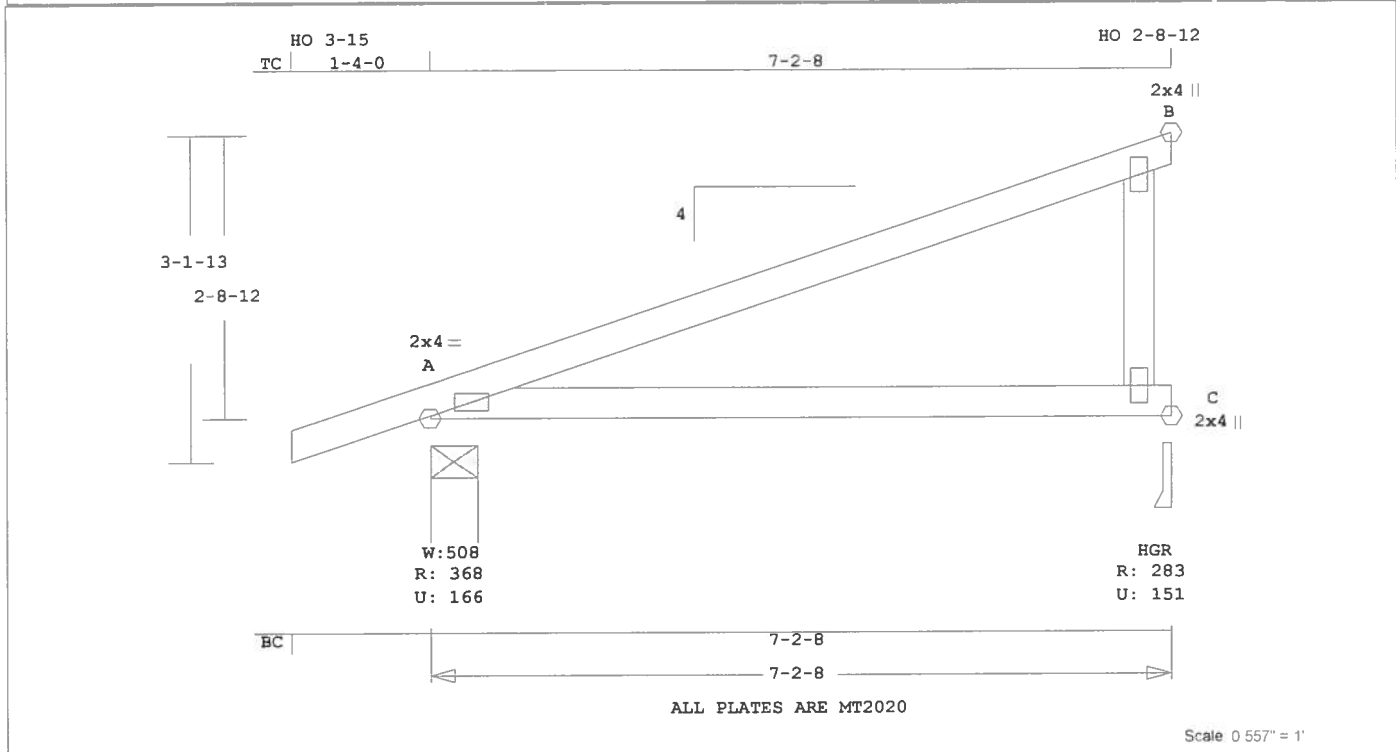
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- ---To---
0- 0- 0 1- 0- 0
Max comp. force 7 Lbs
Max tens. force 0 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL 33610
FL Cert #5555

October 26, 2009

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
MORAN-MIKE	MI	2	MONO	70208	4	1- 4- 0	0	T3521241

MIKE MORAN



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 34.7 LBS

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber----
TC 0.73 2x 4 SP-#2
BC 0.77 2x 4 SP-#2
WB 0.05 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	7- 2- 8	
BC Cont.	0- 0- 0	7- 2- 8	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	369	166 U	81 R
C	283	152 U	96 R

Jt	Brg Size	Required
A	5.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.73 61 C 0.00 0.73
-----Bottom Chords-----
A -C 0.77 76 T 0.00 0.77
-----Webs-----
C -B 0.05 363 T WindLd

TL Defl -0.20" in A -C L/395
LL Defl -0.08" in A -C L/990
Shear // Grain in A -B 0.35

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.73
B MT20 2.0x 4.0 Ctr Ctr 0.27
C MT20 2.0x 4.0 Ctr Ctr 0.30

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:

Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by

2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC

regions --From-- ---To---
0- 0- 0 7- 2- 8
Max comp. force 189 Lbs
Max tens. force 363 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

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October 26, 2009

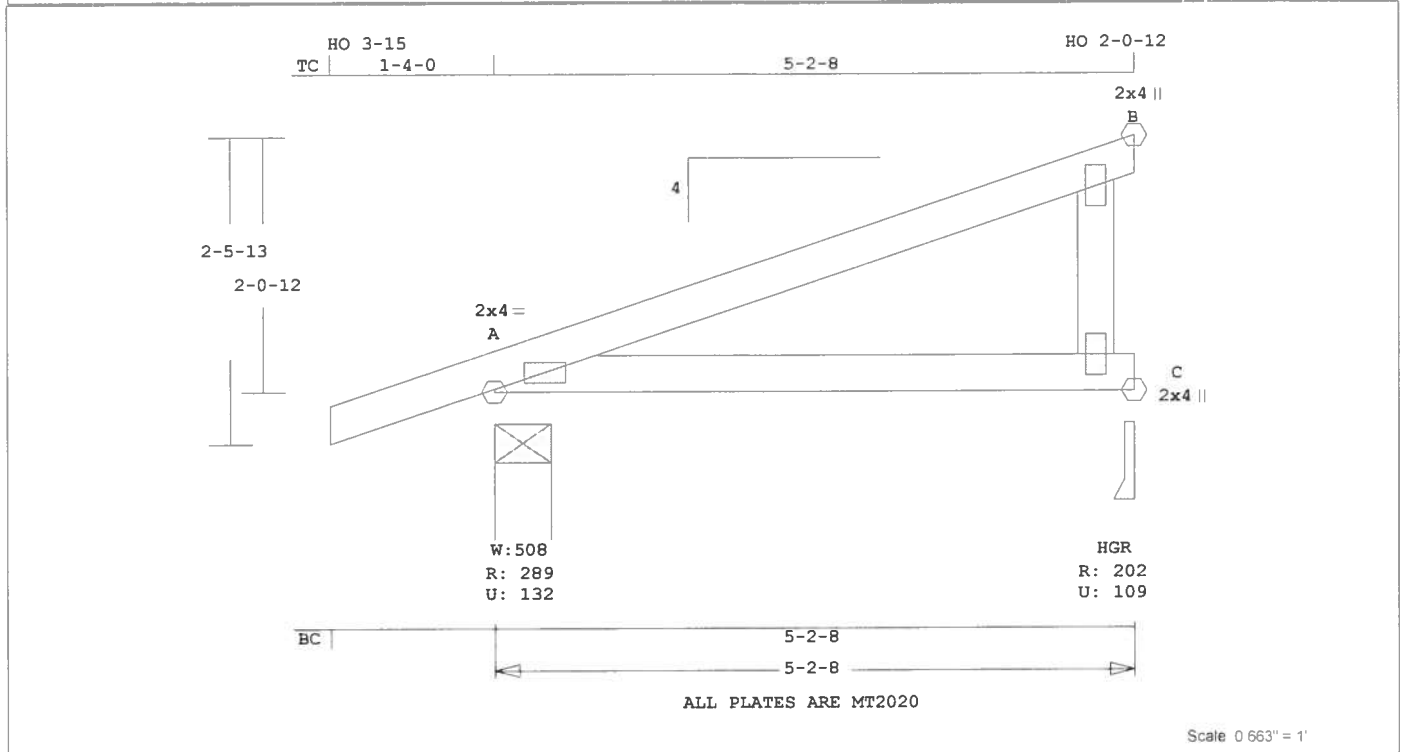
MIKE MORAN



Robbins Engineering Inc /Online Plus™ © 1996-2009 Version 25.0.008 Engineering - Portrait 10/26/2009 9:32:18 AM Page 1

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
MORAN-MIKE	M3	2	SP	50208	4	1- 4- 0	0	T3521243

MIKE MORAN



Scale 0.663\" = 1'

Robbins Engineering, Inc./Online Plus™ APPROP. TRUSS WEIGHT: 25.7 LBS

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber----
TC 0.46 2x 4 SP-#2
BC 0.47 2x 4 SP-#2
WB 0.04 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	5- 2- 8
BC Cont.	0- 0- 0	5- 2- 8

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	289	132 U	83 R
C	203	110 U	68 R

Jt	Brg Size	Required
A	5.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.46 59 C 0.00 0.46
-----Bottom Chords-----
A -C 0.47 57 T 0.00 0.47
-----Webs-----
C -B 0.04 307 T WindLd

TL Defl -0.05" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.29

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.73
B MT20 2.0x 4.0 Ctr Ctr 0.23
C MT20 2.0x 4.0 Ctr Ctr 0.25

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:

Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007

TPI 2002

OH Loading

Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by

2- 0- 0 wide
will fit between the B.C.
and any other member.

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as

Components and Claddings*
for Exterior zone location.

Wind Speed: 120 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

User-defined wind-exposed BC

regions	--From--	---To---
	0- 0- 0	5- 2- 8

Max comp. force 134 Lbs
Max tens. force 307 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

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Tampa, FL 33610
FL Cert #5555

October 26, 2009

MIKE MORAN



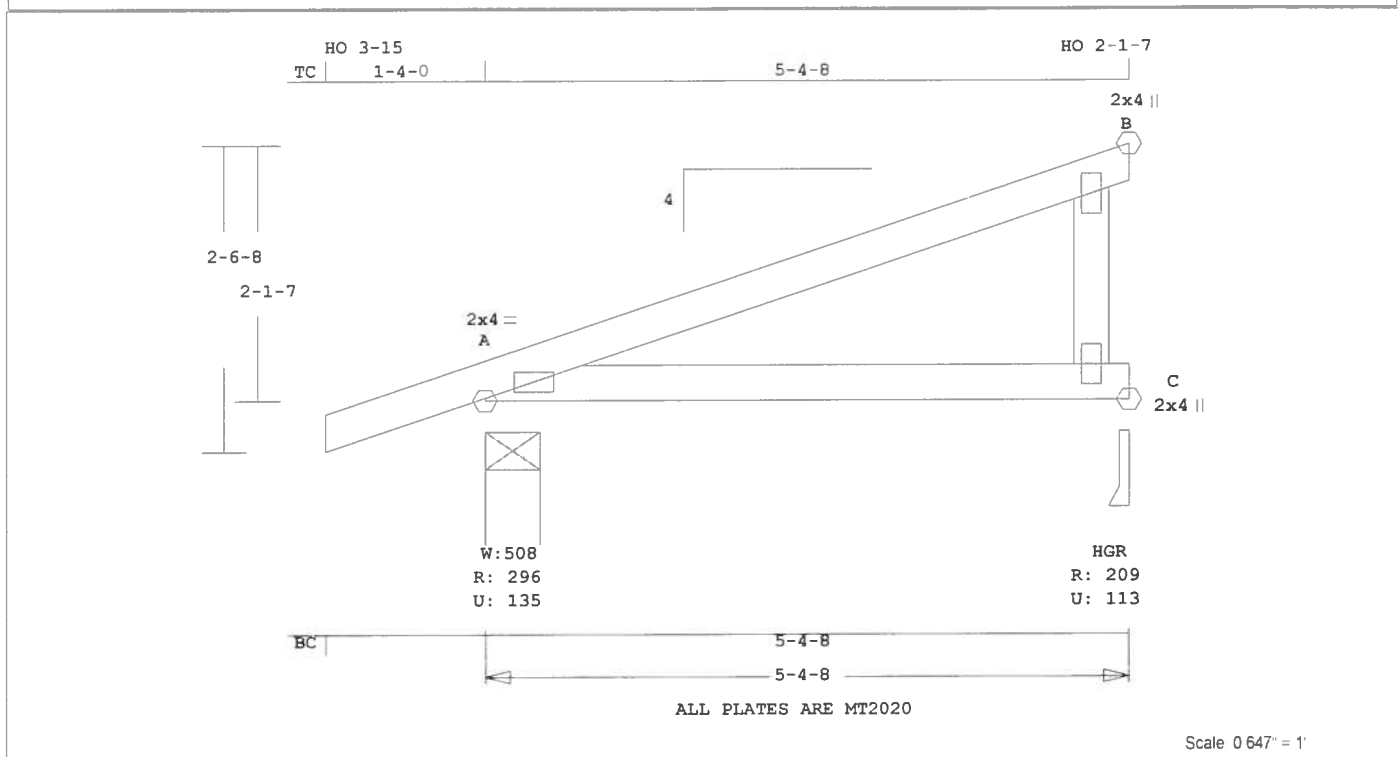
Robbins Engineering, Inc./Online Plus™ APPROX. TPOFF WEIGHT: 30.0 LBS

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FL Cert #5555

October 26, 2009

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
MORAN-MIKE	M6	12	SP	50408	4	1- 4- 0	0	T3521245

MIKE MORAN



Scale 0.647" = 1'

Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber----
TC 0.48 2x 4 SP-#2
BC 0.50 2x 4 SP-#2
WB 0.04 2x 4 SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	5- 4- 8	
BC Cont.	0- 0- 0	5- 4- 8	

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	296	135 U	83 R
C	209	113 U	70 R

Jt	Brg Size	Required
A	5.5"	1.5"
C	3.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -B 0.48 60 C 0.00 0.48
-----Bottom Chords-----
A -C 0.50 59 T 0.00 0.50
-----Webs-----
C -B 0.04 315 T WindLd

TL Defl -0.06" in A -C L/990
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.30

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.73
B MT20 2.0x 4.0 Ctr Ctr 0.23
C MT20 2.0x 4.0 Ctr Ctr 0.26

REVIEWED BY:
Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC

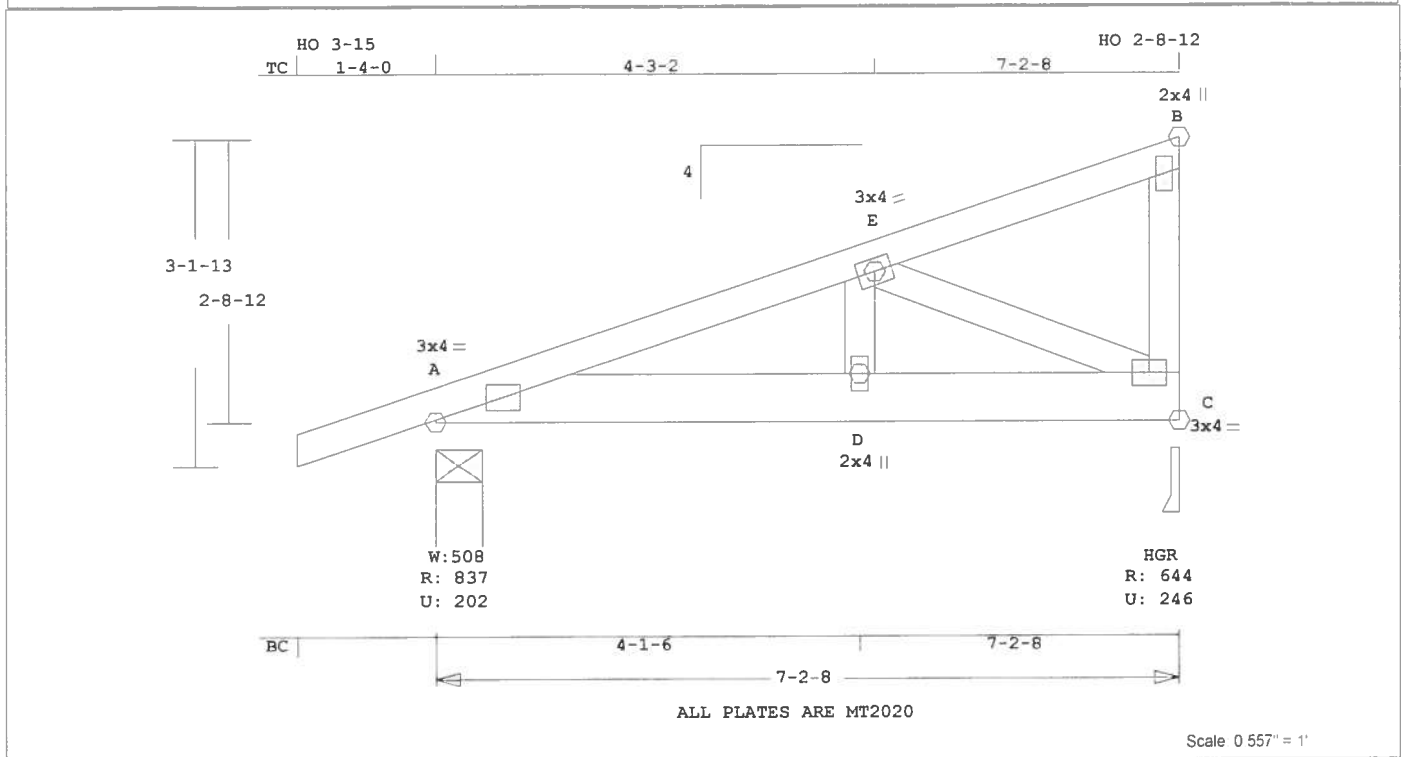
regions --From-- ---To---
0- 0- 0 5- 4- 8
Max comp. force 138 Lbs
Max tens. force 315 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

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Tampa, FL 33610
FL Cert #5555

October 26, 2009

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
MORAN-MIKE	M5GIR	1	MONO	70208	4	1- 4- 0	0	T3521246

MIKE MORAN



Online Plus -- Version 25.0.008
RUN DATE: 26-OCT-09

CSI -Size- ----Lumber----
TC 0.53 2x 4 SP-#2
BC 0.30 2x 6 SP-#2
WB 0.23 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 7- 2- 8
BC Cont. 0- 0- 0 7- 2- 8

psf-Ld Dead Live
TC 10.0 20.0
BC 10.0 0.0
TC+BC 20.0 20.0
Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 838 202 U 370 R
C 645 247 U 168 R

Jt Brg Size Required
A 5.5" 1.5"
C 3.5" 1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25
plf - Dead Live* From To
TC V 45 90 0.0' 7.2'
BC V 45 0 0.0' 7.2'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -E 0.53 1223 T 0.17 0.36
E -B 0.36 68 C 0.00 0.36
-----Bottom Chords-----

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 46.5 LBS

A -D 0.30 1416 C 0.12 0.18
D -C 0.15 1416 C 0.12 0.03
-----Webs-----
D -E 0.05 370 C
E -C 0.23 1633 T
C -B 0.05 377 T WindLd

TL Defl -0.03" in A -D L/999
LL Defl -0.01" in A -D L/999
Shear // Grain in E -B 0.47

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 3.0x 4.0 Ctr Ctr 0.84
E MT20 3.0x 4.0 Ctr Ctr 0.86
B MT20 2.0x 4.0 Ctr Ctr 0.28
D MT20 2.0x 4.0 Ctr Ctr 0.29
C MT20 3.0x 4.0 Ctr Ctr 0.92

REVIEWED BY:
Robbins Engineering, Inc.
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Tampa, FL 33610

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

Girder Common
Loading TC and BC
Span 7- 0- 0

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Use properly rated hangers for
loads framing into girder
truss.
Wind Loads - ANSI / ASCE 7-05

Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
0- 0- 0 7- 2- 8
Max comp. force 1416 Lbs
Max tens. force 1633 Lbs
Fabrication Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which is
used to calculate total load
deflection.

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October 26, 2009

ROBBINS ENG. GENERAL NOTES & SYMBOLS

108

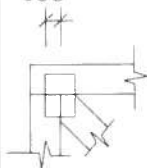
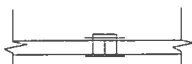


PLATE LOCATION

Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

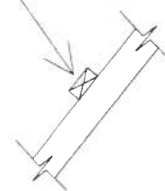


PLATE SIZE AND ORIENTATION

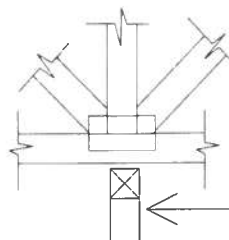
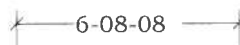
3x5 II



The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with "National Design Specifications for Wood Construction" (AF & PA), "National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and "dominoing". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.



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