City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

PERMIT CARD – PLEASE POST AT JOB SITE

THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3.3: An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "**NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies**." The issuance of this permit does not grant permission to violate any applicable City, Orange County, State of Florida and/or Federal codes and/or ordinances. Separate permits are required for Signs, Roofing, Electrical, Gas, Plumbing and Mechanical services. This permit becomes VOID if the work authorized is not commenced within 6 months, or is suspended or abandoned for a period of 6 months after commencement. WORK SHALL BE CONSIDERED SUSPENDED IF AN APPROVED INSPECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD. PERMISSION IS GRANTED TO DO THE FOLLOWING WORK ACCORDING TO THE CONDITIONS HEREON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA.

Scope of Work: BUILDING: New SFR

Comments: Must install silt fence and call the city have pre-building inspection for silt fence being in place

Project Information

Address: 5210 Oak Island Road, Belle Isle, FL 32809
Parcel ID: 18-23-30-7160-01-140
Property Owner: Walker, John
Phone Number: 321 624 9942

****

Company Name: Brannon Construction Company
Contractor Name: Brannon, Michael
License Number: CRC058433
Address: 1006 Lewis Drive, Winter Park, FL 32789
Phone Number: 407 740 7626

Permit Number: 2015-04-074

Date of Application: 04/25/2015
Date Permit Issued: 08/26/2015

WARNING TO OWNER: "YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.

BUILDING FEATURES

IMPACT FEES

School	$
Traffic	$

ZONING FEES

Zoning Fee	$165.00

UNIVERSAL ENG - BUILDING FEES

Cert of Occ	$
Demo/Tree	$
Building	$7,363.50
Fence	$
Driveway	$
Shed	$
Window(s)	$
Door(s)	$
PrePower	$
Electrical	$
Temp Pole	$
Plumbing	$
Mechanical	$
Gas	$
Roofing	$
Boat Dock	$
Screen Encl	$
Swimming Pool	$
Sign	$

SURCHARGE FEES

Surcharge Fee	$110.45
Surcharge Fee	$110.45

TOTAL FEES $7,749.40

Date Paid 8-26-15

CC or Check # AMEX

Amount Paid 7749.40

The person accepting this permit shall conform to the terms of the application on file and construction shall conform to the requirements of the Florida Building Code (FS 553).

BUILDING INSPECTOR USE ONLY

IF APPLICABLE:

Have Zoning Approval Conditions Been Met? YES NO **Have Stormwater Approval Conditions Been Met?** YES NO **Silt fencing in place?** YES NO **Turbidity Barrier in place?** YES NO

☐ **BUILDING**

1st _____ (Footing/Foundation)
Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? ____

2nd _____ (Slab)

3rd _____ (Lintel)(Wall Reinforcing on Masonry Building)

4th _____ (Exterior Framing)(Roof/Wall Sheathing)

5th _____ (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed)

6th _____ (Insulation to be Made After Roof Installed)

7th _____ (Drywall)

8th _____ (Sidewalk/Driveway)

9th _____ (Other)

10th _____ (Final – After MEP and Other Applicable Finals)

☐ **ROOFING**

1ST ROOFING Deck Nailing/Dry-in/Flashing _____

2nd ROOFING Covering In-Progress _____

3rd ROOFING Covering Final _____

☐ **PLUMBING** (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)

1ST _____ (Underground) 2nd _____ (Sewer)

3rd _____ (Rough-In/Tub Set) 4th _____ (Final)

CHECK APPROPRIATE BOX

☐ **GAS** __**Natural** ___**LP** ☐ **MECHANICAL** ☐**ELECTRICAL** ☐ **LOW VOLTAGE**

1st _____ (Rough-In) 2nd _____ (Final)

Inspection requests are to be emailed to BIDscheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. Next-Day Inspection requests must be made by 1pm. Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.

For a copy of your permit, or to check inspection results, please visit https://universalengineering.sharefile.com/f/fo94edc4-832d-44bd-9809-ecf32f9e2e63
login ID = cobi@universalengineering.com password = universal13

PROJECT NUMBER 0115.150055I.0000

TASK NUMBER 02

CITY OF BELLE ISLE
Permit Application Review Sheet

Permit Number	2015-04-074
Property Owner	Walker, John
Address	5210 Oak Island Road
Nature of Improvement	New SFR
Received Application	4-28-15
Sent for Stormwater Review	4-29-15
Stormwater Approved	ZONING APPROVED Date: 7/8/15 By: City of Belle Isle
Sent for Zoning Review	4-29-15
Zoning Approved	7/8/15
Applied for Variance	
Variance Approved	~~CBE # 2015-06-004 Approved~~
Sent to BO for Review	
Building Official Approved	8-25-15 RJ

	Comments
1. Joette 7/10/15	Received email From Cobi to Hold
2. " "	OFF on Permitting.
3. Susan 8-18-15	Got "OK" from COBI email attached.
4. WO# 55836	Issued for bldg review
5. 8-18-15 RJ	Provide Plumbing + ~~Gas plans~~
6.	~~with Plumbing + Gas Permit~~
7.	~~applications. Provide Garage Door~~
8.	~~Product approval + Installation Req'ts~~
9.	~~& Aluminum Trellis requires seperate~~
10.	~~plans + Permit~~ ↑
11.	Satisfied as per Ralph Jones 8-25-15
12.	~~OVERSIZED~~ PLANS & PRODUCT APPROVALS are w/ PHYSICAL PACKET

COBI Permit Fee Calculation Form

Reviewer Signature: _____ Date: 8-25-15

Permit Type: BUILDING (NEW SFR) Job Cost: $ 1,221,394

Permit Fee: $ 4909.00

Plans Review Fee: $ 2454.50 (50% of permit fee – excluding ReRoofs)

4909.00
2454.50
7363.50

1.5% State Fee: $ 110.45

1.5% State Fee: $ 110.45

TOTAL BUILDING FEE: $ 7584.40 (does not include Zoning fees or Deposits)

Note: Total gets doubled for SWO/AFT permits

1ST 1000.00 25.00 1221 x 4 = 4884.00 + 25 = 4909.00

4909.00 ÷ 2 = 2454.50

7363.50 x 0.015 = 110.45

4909.00 + 2454.50 + 110.45 + 110.45 = 7584.40

zoning 165.00

7749.40

City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

Building Permit (Land Use) Application

DATE: 4/3/2015

PERMIT # 2015-04-074

PROJECT ADDRESS 5210 Oak Island Road, Belle Isle, FL ☑ 32809 ☐ 32812

PROPERTY OWNER John Walker PHONE 321-624-9942 **VALUE OF WORK (labor &material) $** 1,221,394

PLEASE LIST THE NATURE OF YOUR PROPOSED IMPROVEMENTS

New residential structure.

Please provide information, if applicable.

- **Survey specific foundation plan required to show compliance with zoning setbacks**
- **BOAT DOCK: DEP Clearance Required with Application (Call 407-897-4100); please provide a copy of their report**
- **SEPTIC SYSTEM (RESIDENTIAL): – Provide verification of OC Health Dept approval for on-site septic tank system, per FAC Chap. 64E-6**
- **Homeowners will be required to have a contractor on record for homes that are rented and/or not homestead**

Please Complete for the City of Belle Isle Zoning Review: **Parcel Id Number:** 18-23-30-7160-01-140

To obtain this information, please visit **http://www.ocpafl.org/Searches/ParcelSearch.aspx**

SPECIAL CONDITIONS: STRUCTURES MAY NOT ENCROACH INTO ANY EASEMENT OR REQUIRED SETBACK. Note, this Zoning Approval MAY or MAY NOT be in conflict with your Deed Restrictions. For New Single Family Residence, a Traffic Impact Fee and School Impact will be assessed.

APPROVED
DATE 7/8/15 By
City of Belle Isle

Attached Survey 3 SETS and Construction Plans 3 SETS

PLANNING & ZONING APPROVAL: _____ **DATE** _____

Wind Exposure Category: B☐ C☐ D☐

PLEASE COMPLETE for Building Review

CONSTRUCTION TYPE New Construction

OCCUPANCY GROUP ☐ **Comm** ☑ **Res:** ☑ **Single Fam** ☐ **Multi Fam**

#BLDG. 1 #UNITS _ #STORIES 1 Unit - Story **TOTAL SQ.FT.** 5,988

MAX. FLOOR LOAD _____ MAX. OCCUPANCY _____

MIN. FLOOD ELEV. _____ LOW FLOOR ELEV. _____

WATER SERVICE OUC **WELL** _____ **SEPTIC** _____

BUILDING REVIEWER RY **DATE** 8-25-15

VERIFIED CONTRACTOR'S LICENSE & INSURANCE ARE ON FILE SW **DATE** 8-1-15

SPRINKLERS REQ'D	Y ☐	N ☐	
If Required – SUBMIT COPY OF PLANS FOR FIRE REVIEW	**Date:** Sent _____	RCD _____	
ZONING	Y	N	$165.-
CERT OF OCC	Y	N	$_____
TRAFFIC	Y	(N)	$_____
SCHOOL	Y	(N)	$_____
FIRE	Y	N	$_____
SWIMMING POOL	Y	N	$_____
SCREEN ENCLOSURE	Y	N	$_____
ROOFING	Y	N	$_____
BOAT DOCK	Y	N	$_____
BUILDING	Y	N	$7,363.50
WINDOW(S)	Y	N	$_____
DOOR(S)	Y	N	$_____
FENCE	y	N	$_____
SHED	Y	N	$_____
DRIVEWAY	Y	N	$_____
OTHER _____	Y	N	$_____
3% FL SURCHARGE			220.90
TOTAL			$ 7,749.40

By Owner Form	Y	NA
Notice of Commencement	Y	NA
Power of Attorney	Y	NA
Contractor Packet Incuded?	Y	N

OTHER PERMITS REQUIRED:

ELECTRICAL	Y	NA
PREPOWER	Y	NA
MECHANICAL	Y	NA
PLUMBING	Y	NA
ROOFING	Y	NA
GAS	Y	NA

Per FSS 105.3.3:
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Republic Services is by legal contract the sole authorized provider of garbage, recycling, yard waste, and commercial garbage and construction debris collection and disposal services with the city limits of the City. Contractors, homeowners and commercial businesses may contact Republic Services at 407-293-8000 to setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from Republic Services. The City enforces the contract through its code enforcement office. Failure to comply will result in a stop work order.

SEPARATE PERMITS ARE REQUIRED FOR ROOFING, ELECTRICAL, PLUMBING, GAS, MECHANICAL, SIGNS, POOLS, ENCLOSURES, ETC.

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Building Permit (Land Use) Application
To be completed as required by State Statute Section 713 and other applicable sections.

PERMIT # 2015-04-075

Owner's Name John Walker

Owner's Address 3000 Lions Ct., Kissimmee, FL 34744-1539

Contractor Name Michael Brannon	**Company Name** Brannon Construction Company
License # CRC058433	**Company Address** 1006 Lewis Drive
Contact Phone/Cell 407-740-7226	**City, State, ZIP** Winter Park, FL 32789
Contact Email valerie@brannon-construction.com	**Contact Fax** 407-740-7626

WARNING TO OWNER: Your failure to record a Notice of Commencement may result in your paying twice for improvements to your property. A notice of commencement must be recorded if job is $2500(+) or if A/C Replacement $7500(+) and posted on the job site before the first inspection. If you intend to obtain financing, consult with your lender or an attorney before recording your Notice of Commencement.

I hereby make Application for Permit as outlined above, and if same is granted I agree to conform to all Division of Building Safety Regulations (www.floridabuilding.org) and City Ordinances (www.municode.com) regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable City and/or State of Florida codes and /or ordinances. Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a **separate** permit must be secured for all other construction including ROOFING, ELECTRICAL, MECHANICAL, PLUMBING, GAS, SIGNS, POOLS, SCREEN ENCLOSURES, ETC.

OWNER'S AFFIDAVIT: *I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.*

Owner Signature John R Walker

The foregoing instrument was acknowledged before me this 4/7/2015

by JOHN R WALKER who is personally known to me

and who produced _____ as identification and who did not take an oath.

Notary as to Owner _____
State of Florida
County of Orange

NOTARY PUBLIC STATE OF FLORIDA
VALERIE A BRANNON
MY COMMISSION # EE 846852
EXPIRES: December 16, 2016
Bonded Thru Budget Notary Services

Contractor Signature Michael Brannon

COMPANY NAME Brannon Construction Company

The foregoing instrument was acknowledged before me this 4/8/15

by Michael S. Brannon who is personally known to me

and who produced _____ as identification and who did not take an oath.

Notary as to Owner _____
State of Florida
County of Orange

NOTARY PUBLIC STATE OF FLORIDA
JOHN BROSCHART
MY COMMISSION # FF 197364
EXPIRES: February 9, 2019
Bonded Thru Budget Notary Services

Impervious Surface Ratio Worksheet
Development Zoned A-1. A-2, R-1-AAA, R-1-AA, R-1-A, R-1 per City Code, Section 50-74: Impervious Surface Ratio

1. Total Lot Area (sqft) X 0.35 = Allowable Impervious Area (BASE).
   Total Lot Area 22,902 X 0.35=
   Allowable Impervious Area (BASE) 8,015.7
2. Calculate the "proposed" impervious area on the lot. This includes the sum of all areas that do not allow direct percolation of rainwater. *Examples include house, pool, deck, driveway, accessory building, etc*
   - **House** 4,970
   - **Driveway** 1,858
   - **Walkway** _____
   - **Accessory Buildings** _____
   - **Pool & Spa** 2,588
   - **Deck & Patio** _____
   - **Other** _____

   Actual Impervious Area (AIA) 9,416
3. If AIA is less than BASE, subtract AIA from BASE to determine the amount of impervious area that may be added without providing onsite retention.
4. If AIA is greater than BASE, then onsite retention **must be provided.**

Assuming 7.5 inches of rainfall based on a 24hr 10 year Rain Event (TP40), the formula is: **(7.5 inches rainfall/12 inches p/foot) X (result from line 4) = cubic feet of storage volume needed**

UNIVERSAL ENGINEERING SCIENCES
Consultants In: Geotechnical Engineering • Environmental Sciences
Geophysical Services • Construction Materials Testing • Threshold Inspection
Building Inspection • Plan Review • Building Code Administration

LOCATIONS:
- Atlanta
- Daytona Beach
- Fort Myers
- Fort Pierce
- Gainesville
- Jacksonville
- Miami
- Ocala
- Orlando (Headquarters)
- Palm Coast
- Panama City
- Pensacola
- Rockledge
- Sarasota
- Tampa
- Tifton
- West Palm Beach

Walker Job
5210 Oak Island Rd
Belle Isle, Fl. 32812

August 21, 2015

RE: Plan Review comments for the above referenced address.

Dear Mr. Walker

Plan review was conducted on the application submitted and the following information was not provided:

1) Provide Florida product approval and installation instructions for garage doors
2) Provide Gas piping plan.
3) Provide plumbing plan

The additional items identified on the previous plan review have been satisfied, however all of the items identified in the first review were not provided.
Please provide the information so that the plan review can be completed.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Ralph W. Jones III
Senior Plans Examiner/ Inspector

RWJ:rwj

The above items were satisfied & Signed off by Ralph Jones on 8-25-15

3532 Maggie Blvd. Orlando, Fl. 32811 • 407-581-8161 • 407-581-0313
www.UniversalEngineering.com

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- Sarasota
- Tampa
- Tifton
- West Palm Beach

Walker Job
5210 Oak Island Rd
Belle Isle, Fl. 32812

August 19, 2015

RE: Plan Review comments for the above referenced address.

Dear Mr. Walker

Plan review was conducted on the application submitted and the following information was not provided:

1) Provide detail for footing WF-24 referenced in plans. Revised to WF-20/S-2.1
2) Provide Florida product approval and installation instructions for garage doors
3) Provide Gas piping plan.
4) Provide plumbing plan
5) Exposure category in Belle Isle is "D" due to the proximity of the lakes. Revise plans and truss engineering to comply with the wind exposure category. Revise SHT. S1.1
6) Details for aluminum trellis and awning not provided in plan set. Please provide installation details for those items.
7) Provide CMD (carbon monoxide detector) in Guest suite 2.
SEE A1.2/E1.1 Rev 2

Please provide the information so that the plan review can be completed.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Ralph W. Jones III
Senior Plans Examiner/ Inspector

RWJ:rwj

The above items were satified & signed off by Ralph Jones on 8-25-15

UNIVERSAL
ENGINEERING SCIENCES
Consultants In: Geotechnical Engineering • Environmental Sciences
Geophysical Services • Construction Materials Testing • Threshold Inspection
Building Inspection • Plan Review • Building Code Administration

LOCATIONS:
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- Panama City
- Pensacola
- Rockledge
- Sarasota
- Tampa
- Tifton
- West Palm Beach

Walker Job
5210 Oak Island Rd
Belle Isle, Fl. 32812

August 18, 2015

RE: Plan Review comments for the above referenced address.

Dear Mr. Walker

Plan review was conducted on the application submitted and the following information was not provided:

1) Provide detail for footing WF-24 referenced in plans.
2) Provide Florida product approval and installation instructions for garage doors
3) Provide Gas piping plan.
4) Provide plumbing plan
5) Exposure category in Belle Isle is "D" due to the proximity of the lakes. Revise plans and truss engineering to comply with the wind exposure category.
6) Details for aluminum trellis and awning not provided in plan set. Please provide installation details for those items.
7) Provide CMD (carbon monoxide detector) in Guest suite 2.

Please provide the information so that the plan review can be completed.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.

Ralph W. Jones III
Senior Plans Examiner/ Inspector

RWJ:rwj

The above items were satisfied & signed off by Ralph Jones on 8-25-15

3532 Maggie Blvd. Orlando, Fl. 32811 • 407-581-8161 • 407-581-0313
www.UniversalEngineering.com

CITY OF BELLE ISLE,
FLORIDA

PLANNING & ZONING
1600 Nela Avenue
Belle Isle, Florida 32809
(407) 851-7730 • FAX (407) 240-2222

July 21, 2015

Approval of Zoning Application 2015-04-074 for Parcel 18-23-30-7160-01-140

APPLICANT REQUEST: The applicant requests approval to construct a new single family home at Parcel 18-23-30-7160-01-140 at 5210 Oak Island Road, Belle Isle, Fl. 32809

FINDINGS: The above referenced application was reviewed for conformance with the City of Belle Isle ordinances. Items subject to review are Impervious Surface Ratio (ISR), Setbacks, Erosion control and related general zoning standards.

- The proposed home *does* meet all of the required setbacks. Variance Approved for rear setback. Case #2015-06-004.
- The ISR was calculated and includes the driveway, parking and primary house, Approved
- Owner to provide retention pond swale with rain leaders as per plan. Approved
- *No boat dock included in this permit.*
- *Provide sediment control plan with installation details. Provide temporary gravel construction entrance to be used during construction. Approved*
- *Provide Approved septic tank permit from OCHD location of system required on plan. Approved*
- **The contractor is responsible for all erosion and sedimentation control and shall have such control items in place prior to the start of construction. Inspection required prior to construction and sediment inspections will continue monthly until finished landscaping has been installed.**
- **Final site inspection will be required prior to issuance of Certificate of Occupancy.**

The items that were reviewed:

- Zoning Review Application for the City of Belle Isle
- Building Plans
- Impervious Surface Ratio/Drainage Flow
- Water and septic tank connections.

Keith Severns

City Manager

NOTICE OF RIGHTS

A party whose substantial interest is affected by this order may petition for an administrative hearing pursuant to sections 120.569 and 120.57, Florida Statutes. Such proceedings are governed by Rule 28-106, Florida Administrative Code. A petition for administrative hearing must be in writing and must be received by the Agency Clerk for the Department, within twenty-one (21) days from the receipt of this order. The address of the Agency Clerk is 4052 Bald Cypress Way, BIN # A02, Tallahassee, Florida 32399-1703. The Agency Clerk's facsimile number is 850-410-1448.

Mediation is not available as an alternative remedy.

Your failure to submit a petition for hearing within 21 days from receipt of this order will constitute a waiver of your right to an administrative hearing, and this order shall become a 'final order'.

Should this order become a final order, a party who is adversely affected by it is entitled to judicial review pursuant to Section 120.68, Florida Statutes. Review proceedings are governed by the Florida Rules of Appellate Procedure. Such proceedings may be commenced by filing one copy of a Notice of Appeal with the Agency Clerk of the Department of Health and a second copy, accompanied by the filing fees required by law, with the Court of Appeal in the appropriate District Court. The notice must be filed within 30 days of rendition of the final order.

DOCUMENT #: PR980269

*If property is filled after the initial site evaluation is completed, site MUST be re-evaluated and paperwork must be resubmitted. There is an amendment or re-evaluation fee to revise permit.
*This permit CAN be used to obtain a building permit.
*Maintain 75 ft from MAFL and wet ditches/swales and 15 ft from dry ditches/swales.
*Per 64E-6.013, F.A.C. use category 3 tank, if more than 18 inches of cover use category 4 tank with riser. If more than 8 inches of cover, must have a riser.
*Do NOT obstruct system with walkway/driveway; final inspection after walkway/driveway are in place.
*Trench configuration: 725 sq. ft.

CITY OF BELLE ISLE,
FLORIDA

PLANNING & ZONING
1600 Nela Avenue
Belle Isle, Florida 32809
(407) 851-7730 • FAX (407) 240-2222

July 9, 2015

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The items that were reviewed:

- Zoning Review Application for the City of Belle Isle
- Building Plans
- Impervious Surface Ratio/Drainage Flow
- Water and septic tank connections.

Keith Severns

City Manager

Susan Manchester

From: Judith Hunter [JHunter@cobifl.com]
Sent: Friday, August 14, 2015 1:59 PM
To: Susan Manchester; Mike Brannon
Cc: CobiPermits
Subject: RE: 5210 Oak Island Rd - Status for SFR and Septic - Apps 2015-04-074 & 075

Hi Susan:

Spoke with Keith and yes, you can issue the permits.

Thank you.

Judi

From: Susan Manchester [mailto:SManchester@universalengineering.com]
Sent: Friday, August 14, 2015 9:21 AM
To: Judith Hunter; Mike Brannon
Cc: CobiPermits
Subject: RE: 5210 Oak Island Rd - Status for SFR and Septic - Apps 2015-04-074 & 075

Hello Judi,

Mike left me a voice mail requesting status of this permit.

Thank you,

Susan Manchester
Universal Engineering Sciences, Inc.
3532 Maggie Blvd.
Orlando, FL 32811
Phone: 407-581-8161
Fax: 407-581-0313
Email: smanchester@universalengineering.com

From: Judith Hunter [mailto:JHunter@cobifl.com]
Sent: Tuesday, July 21, 2015 10:29 AM
To: Susan Manchester
Cc: CobiPermits
Subject: FW: 5210 Oak Island Rd - Status for SFR and Septic (rejected) - Apps 2015-04-074 & 075
Importance: High

Hi Susan:

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
CONSTRUCTION PERMIT

15-0873N
DC 7/8/15

PERMIT #: 48-SX-1604903
APPLICATION #: AP1187864
DATE PAID:
FEE PAID:
RECEIPT #:
DOCUMENT #: PR980269

CONSTRUCTION PERMIT FOR: OSTDS New

APPLICANT: John Walker Abel

PROPERTY ADDRESS: 5210 Oak Island Rd Orlando, FL 32809

LOT: 14-15 BLOCK: A SUBDIVISION: Pleasure Island

PROPERTY ID #: 18-23-30-7160-01-140 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER] [OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [1,350] GALLONS / GPD New Tank CAPACITY
A [ ] GALLONS / GPD N/A CAPACITY
N [ ] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK:1250 GALLONS]
K [ ] GALLONS DOSING TANK CAPACITY [ ]GALLONS @[ ]DOSES PER 24 HRS #Pumps [ ]

D [967] SQUARE FEET New Drainfield SYSTEM
R [ ] SQUARE FEET N/A SYSTEM
A TYPE SYSTEM: [x] STANDARD [ ] FILLED [ ] MOUND [ ]
I CONFIGURATION: [ ] TRENCH [x] BED [ ]
N
F LOCATION OF BENCHMARK: Water valve manhole cover in road near N.E. property corner
I ELEVATION OF PROPOSED SYSTEM SITE [6.00] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE [24.00] [INCHES/FT] [ABOVE/BELOW] BENCHMARK/REFERENCE POINT
L
D FILL REQUIRED: [0.00] INCHES EXCAVATION REQUIRED: [0.00] INCHES

O THE SYSTEM IS SIZED FOR 3 BEDROOMS 4,920 SQ. FT. WITH A MAXIMUM OCCUPANCY OF 6 PERSONS (2 PER BEDROOM), FOR A TOTAL ESTIMATED FLOW OF 580 GPD.
T *PLEASE BE AWARE THAT YOUR PERMIT MEETS ALL STATE REQUIREMENTS BUT MAY NOT MEET THE REQUIREMENTS FOR THE COUNTY OR CITY WHERE YOUR PROJECT IS LOCATED. IT IS YOUR OBLIGATION TO FOLLOW UP WITH LOCAL OR COUNTY DEPARTMENTS BEFORE COMMENCING YOUR PROJECT. THE FLORIDA DEPARTMENT OF HEALTH IN ORANGE COUNTY IS NOT LIABLE FOR LOSSES YOU INCUR FOR FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF OTHER AGENCIES.
H (Comments Continued on Page 2.)
E
R

SPECIFICATIONS BY: Dennis Abel TITLE: Master Septic Tank Contractor

APPROVED BY: Yelitza Jimenez TITLE: Environmental Specialist III Orange CHD

DATE ISSUED: 07/07/2015 EXPIRATION DATE: 01/07/2017

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)
Incorporated: 64E-6.003, FAC

v 1.1.4 AP1187864 SE965403

CITY OF BELLE ISLE,
FLORIDA

PLANNING & ZONING
1600 Nela Avenue
Belle Isle, Florida 32809
(407) 851-7730 • FAX (407) 240-2222

May 15, 2015

Approval of Zoning Application 2015-04-074 for Parcel 18-23-30-7160-01-140

APPLICANT REQUEST: The applicant requests approval to construct a new single family home at Parcel 18-23-30-7160-01-140 at 5210 Oak Island Road, Belle Isle, Fl. 32809

FINDINGS: The above referenced application was reviewed for conformance with the City of Belle Isle ordinances. Items subject to review are Impervious Surface Ratio (ISR), Setbacks, Erosion control and related general zoning standards.

- The proposed home *does not* meet all of the required setbacks.(rear setback 30'-0") Not approved
- The ISR was calculated and includes the driveway, parking and primary house, Approved
- Owner to provide retention pond swale with rain leaders as per plan. Approved
- *No boat dock included in this permit.*
- *Provide sediment control plan with installation details. Provide temporary gravel construction entrance to be used during construction. Not approved*
- *Provide Approved septic tank permit from OCHD location of system required on plan. Not approved*
- **The contractor is responsible for all erosion and sedimentation control and shall have such control items in place prior to the start of construction. Inspection required prior to construction and sediment inspections will continue monthly until finished landscaping has been installed.**
- **Final site inspection will be required prior to issuance of Certificate of Occupancy.**

The items that were reviewed:

- Zoning Review Application for the City of Belle Isle
- Plans
- Impervious Surface Ratio/Drainage Flow
- Water and septic tank connections.

overruled by letter dated July 9, 2015

Keith Severns

City Manager

Job	Truss	Truss Type	Qty	Ply
730000	A01	Monopitch	1	1

Job Reference (optional)

Run: 7.620 s Apr 15 2015 Print: 7.620 s Apr 15 2015 MiTek Industries, Inc. Thu Aug 20 05:42:38 2015 Page 1
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-1-6-0 11-4-0 2-8-8 3-8-8 10-3-7
1-6-0 2-8-8 1-0-0 6-6-15

11-4-0
16-8-9 23-3-8 24-3-8 24-11-4
6-5-3 6-6-15 1-0-0 0-7-12

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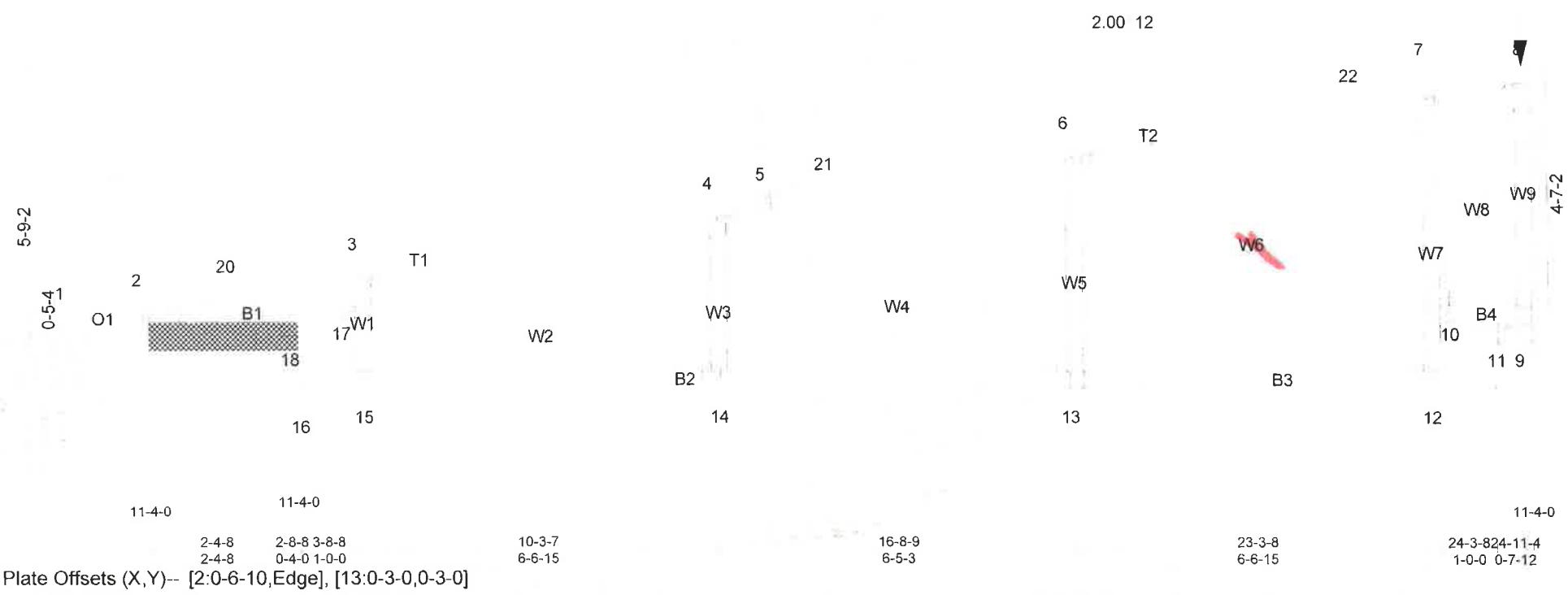

11-4-0 11-4-0
2-4-8 2-8-8 3-8-8 10-3-7 16-8-9 23-3-8 24-3-8 24-11-4
2-4-8 0-4-0 1-0-0 6-6-15 6-5-3 6-6-15 1-0-0 0-7-12

Plate Offsets (X,Y)-- [2:0-6-10,Edge], [13:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57	Vert(LL)	0.21	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.85	Vert(TL)	-0.37	14-15	>726	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.19	9	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 144 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B1: 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP M 30, W7: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-7-3 oc bracing.
WEBS 1 Row at midpt 6-12
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 9=858/0-7-4 (min. 0-1-8), 2=85/2-8-0 (min. 0-1-8), 18=1043/0-3-8 (min. 0-1-8)
Max Horz 2=379(LC 9)
Max Uplift 9=-564(LC 9), 2=-176(LC 8), 18=-565(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-20=-1113/652, 3-20=-1097/657, 3-4=-1449/753, 4-5=-1130/615, 5-21=-1122/615, 6-21=-1079/623, 6-22=-361/259, 7-22=-349/264, 7-8=-416/317, 8-9=-834/556
BOT CHORD 2-18=-708/1058, 17-18=-708/1058, 14-15=-285/426, 13-14=-794/1411, 12-13=-732/1080
WEBS 3-17=-510/411, 10-12=-273/598, 7-10=-271/366, 8-10=-655/940, 6-12=-967/594, 6-13=-53/392, 4-13=-360/316, 4-14=-165/254, 3-14=-586/1030

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 24-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 564 lb uplift at joint 9, 176 lb uplift at joint 2 and 565 lb uplift at joint 18.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 32 lb down and 19 lb up at 24-9-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-8=-54, 2-17=-20, 11-16=-20, 9-10=-20
Concentrated Loads (lb)
Vert: 8=-24

Job	Truss	Truss Type	Qty	Ply
730000	A02	Monopitch	1	1

Job Reference (optional)

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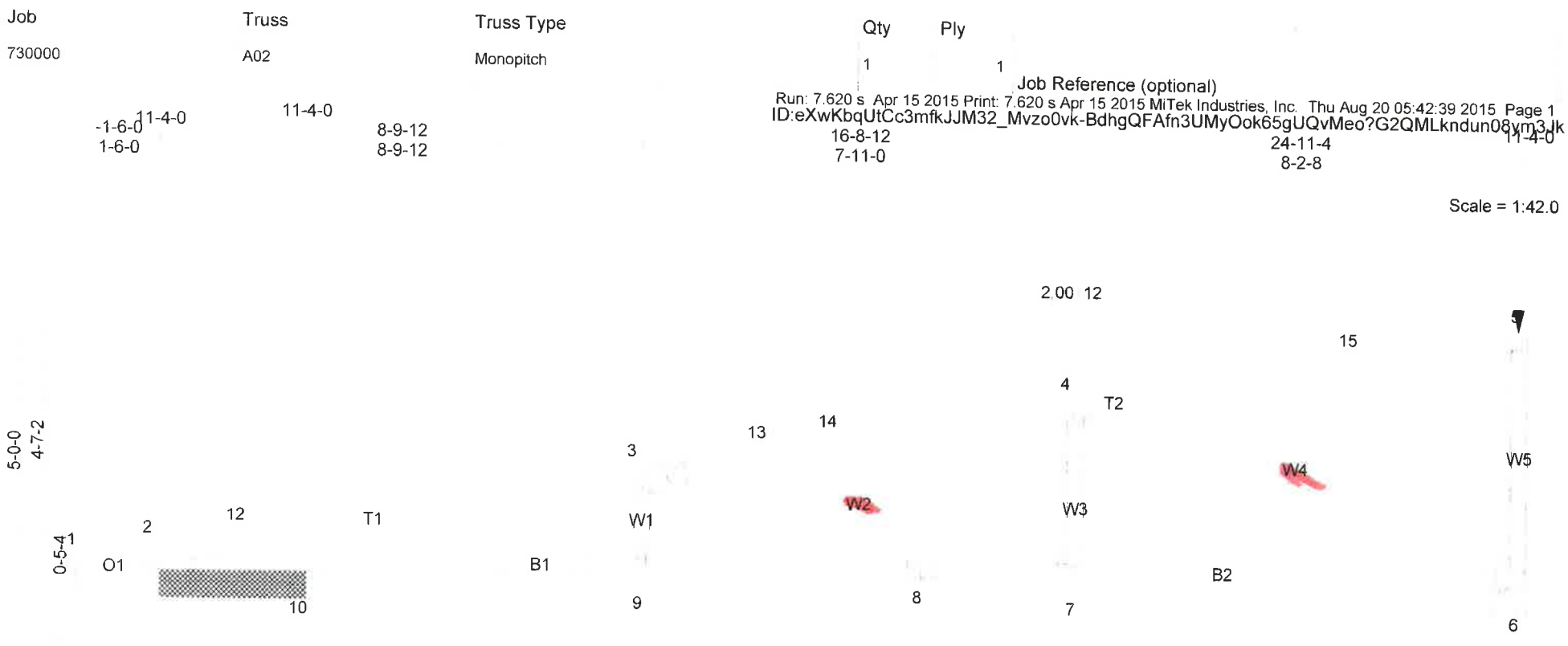

11-4-0 11-4-0 11-4-0

2-4-8 8-9-12 16-8-12 24-11-4
2-4-8 6-5-4 7-11-0 8-2-8

Plate Offsets (X,Y)-- [2:0-7-2,Edge], [3:0-4-4,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.95	Vert(LL)	0.46	7-9	>586	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.84	Vert(TL)	-0.73	7-9	>368	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.10	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)								

Weight: 115 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 30
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-4 oc bracing.
WEBS 1 Row at midpt 3-7, 4-6

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=899/0-7-4 (min. 0-1-8), 2=645/2-8-0 (min. 0-1-8), 10=396/0-3-8 (min. 0-1-8)
Max Horz 2=379(LC 9)
Max Uplift6=-615(LC 9), 2=-532(LC 8), 10=-178(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-12=-2994/1591, 3-12=-2948/1603, 3-13=-1806/927, 13-14=-1775/931, 4-14=-1743/937, 5-6=-208/259
BOT CHORD 2-10=-1662/2900, 9-10=-1662/2900, 8-9=-1662/2900, 7-8=-1662/2900, 6-7=-1174/1749
WEBS 3-7=-1175/918, 4-7=-97/530, 4-6=-1822/1152

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 24-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 615 lb uplift at joint 6, 532 lb uplift at joint 2 and 178 lb uplift at joint 10.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 32 lb down and 19 lb up at 24-9-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-54, 2-6=-20
Concentrated Loads (lb)
Vert: 5=-24

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	A03	Monopitch	6	1

Job Reference (optional)

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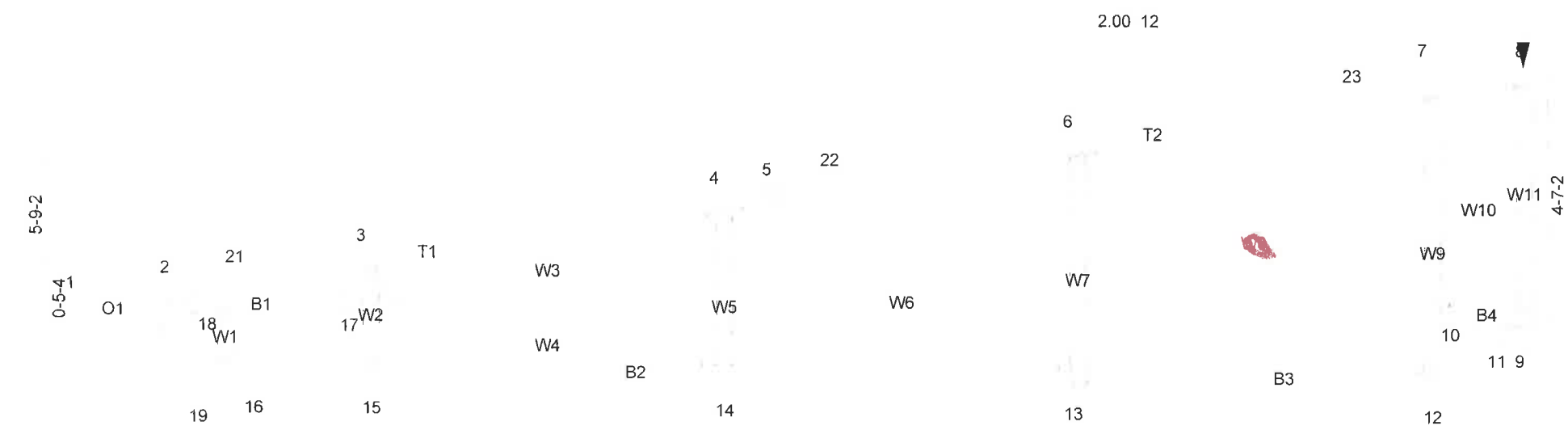
-1-6-0 1-6-0 | 1-4-0 2-8-8 | 2-8-8 3-8-8 | 1-0-0 10-3-7 | 6-6-15
16-8-9 | 6-5-3 23-3-8 | 6-6-15 24-3-8 24-11-4-0 | 1-0-0 0-7-12

Scale = 1:42.0



11-4-0 | 2-8-8 2-8-8 | 3-8-8 1-0-0 | 10-3-7 6-6-15 | 16-8-9 6-5-3 | 23-3-8 6-6-15 | 11-4-0 24-3-8 24-11-4 | 1-0-0 0-7-12

Plate Offsets (X,Y)-- [2:0-3-0,Edge], [13:0-3-0,0-3-0], [17:0-7-12,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.67
TCDL	7.0	Lumber DOL	1.15	BC	0.88
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	0.36	14-15	>817	240
Vert(TL)	-0.57	14-15	>513	180
Horz(TL)	0.21	9	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 158 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W2: 2x4 SP M 30, W9: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-2 oc bracing. Except:
4-3-0 oc bracing: 2-18
WEBS 1 Row at midpt 6-12
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 9=947/0-7-4 (min. 0-1-8), 2=1018/0-8-0 (min. 0-1-8)
Max Horz 2=379(LC 9)
Max Uplift 9=-608(LC 9), 2=-713(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-21=-3437/1864, 3-21=-3411/1870, 3-4=-2724/1532, 4-5=-1310/689, 5-22=-1301/689, 6-22=-1258/697, 6-23=-386/271, 7-23=-373/275, 7-8=-446/332, 8-9=-923/600
BOT CHORD 2-18=-1893/3329, 17-18=-1893/3329, 14-15=-245/425, 13-14=-1013/1859, 12-13=-816/1254
WEBS 10-12=-319/692, 7-10=-269/365, 8-10=-703/1039, 6-12=-1140/678, 6-13=-119/482, 4-13=-660/488, 14-17=-840/1459, 4-17=-587/844

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 24-9-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 608 lb uplift at joint 9 and 713 lb uplift at joint 2.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 32 lb down and 19 lb up at 24-9-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-8=-54, 2-18=-20, 11-19=-20, 9-10=-20
Concentrated Loads (lb)
Vert: 8=-24

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	B02	MONOPITCH	18	1

Job Reference (optional)

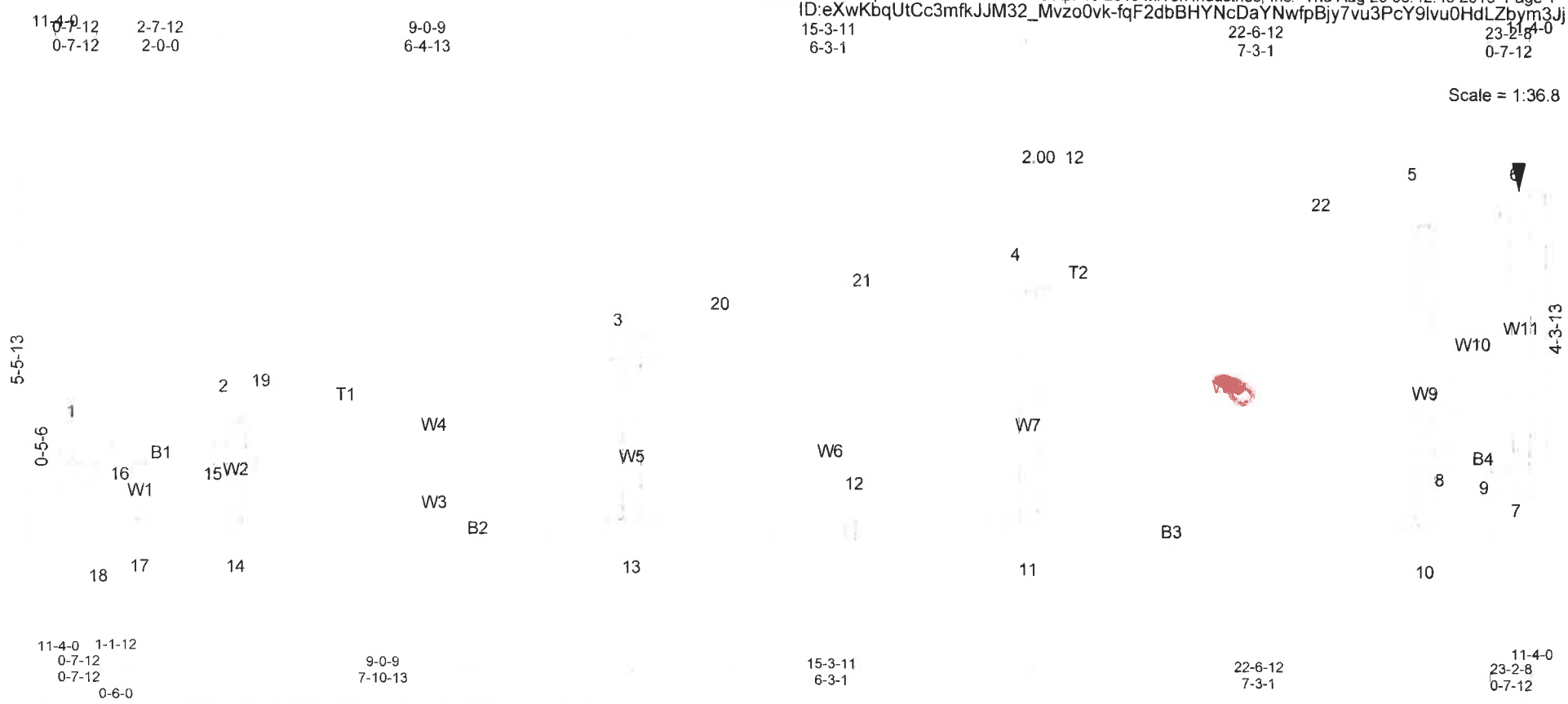


Plate Offsets (X,Y)-- [1:0-2-0,0-0-15], [3:0-4-0,0-3-0], [15:0-6-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.59
TCDL	7.0	Lumber DOL	1.15	BC	0.88
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	0.26	13-14	>999	240
Vert(TL)	-0.39	13-14	>699	180
Horz(TL)	0.17	7	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 143 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W2,W9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-9-8 oc bracing. Except:
4-4-0 oc bracing: 1-16
WEBS 1 Row at midpt 4-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=886/0-7-4 (min. 0-1-8), 1=856/0-7-4 (min. 0-1-8)
Max Horz 1=355(LC 9)
Max Uplift7=-582(LC 9), 1=-528(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2868/1772, 2-19=-2214/1398, 3-19=-2213/1407, 3-20=-1225/665, 20-21=-1197/669, 4-21=-1175/673, 4-22=-354/256, 5-22=-342/260, 5-6=-412/316, 6-7=-861/572
BOT CHORD 13-14=-230/350, 12-13=-1033/1712, 11-12=-1033/1712, 10-11=-789/1180, 1-16=-1810/2773, 15-16=-1810/2773
WEBS 8-10=-306/641, 5-8=-262/354, 4-10=-1078/661, 4-11=-122/443, 3-11=-583/512, 6-8=-676/971, 3-15=-388/476, 13-15=-825/1385

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-3-10 to 3-3-10, Interior(1) 3-3-10 to 23-0-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 582 lb uplift at joint 7 and 528 lb uplift at joint 1.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 32 lb down and 19 lb up at 23-0-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-6=-54, 9-18=-20, 7-8=-20, 1-16=-20
Concentrated Loads (lb)
Vert: 6=-24

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	C02	Monopitch	15	1

Job Reference (optional)

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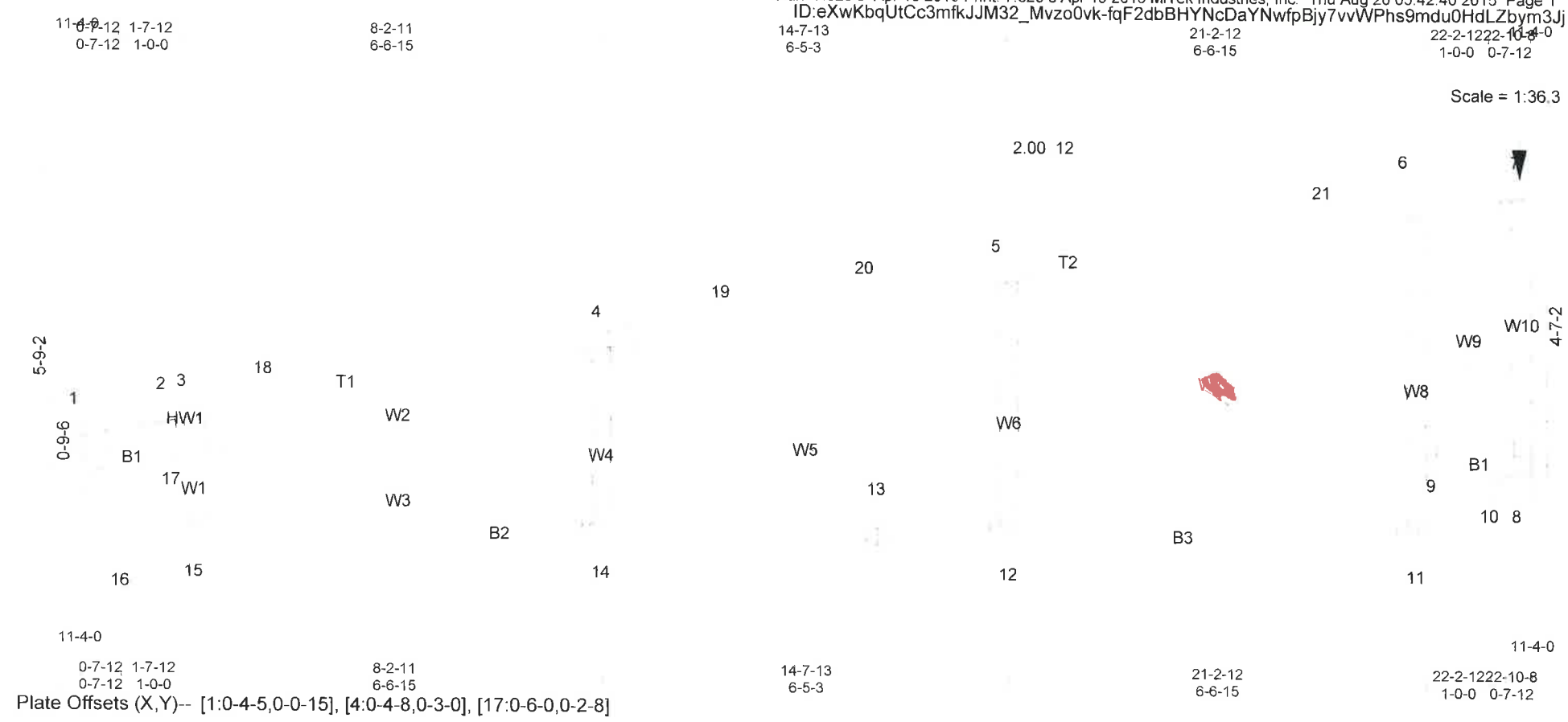

Plate Offsets (X,Y)-- [1:0-4-5,0-0-15], [4:0-4-8,0-3-0], [17:0-6-0,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.57
TCDL	7.0	Lumber DOL	1.15	BC	0.54
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	0.14	12-14	>999	240
Vert(TL)	-0.24	14-15	>999	180
Horz(TL)	0.18	8	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 145 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1,W8: 2x4 SP No.2
SLIDER Left 2x4 SP No.3 1-6-10

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-14 oc bracing.
WEBS 1 Row at midpt 5-11
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=888/0-7-4 (min. 0-1-8), 1=864/0-7-4 (min. 0-1-8)
Max Horz 1=375(LC 9)
Max Uplift8=-584(LC 9), 1=-520(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2151/1383, 2-3=-2077/1379, 3-18=-1701/1145, 4-18=-1675/1152, 4-19=-1184/651, 19-20=-1156/655, 5-20=-1134/659, 5-21=-370/267, 6-21=-358/272, 6-7=-427/326, 7-8=-864/576
BOT CHORD 1-17=-1388/1977, 13-14=-940/1553, 12-13=-940/1553, 11-12=-769/1140
WEBS 4-12=-458/434, 5-12=-106/423, 3-17=-63/372, 9-11=-293/629, 6-9=-271/367, 5-11=-1027/630, 7-9=-678/974, 14-17=-793/1361, 4-17=-258/206

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 22-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 584 lb uplift at joint 8 and 520 lb uplift at joint 1.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 32 lb down and 19 lb up at 22-8-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-7=-54, 1-17=-20, 10-16=-20, 8-9=-20
Concentrated Loads (lb)
Vert: 7=-24

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Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	C03	Monopitch	8	1

Job Reference (optional)

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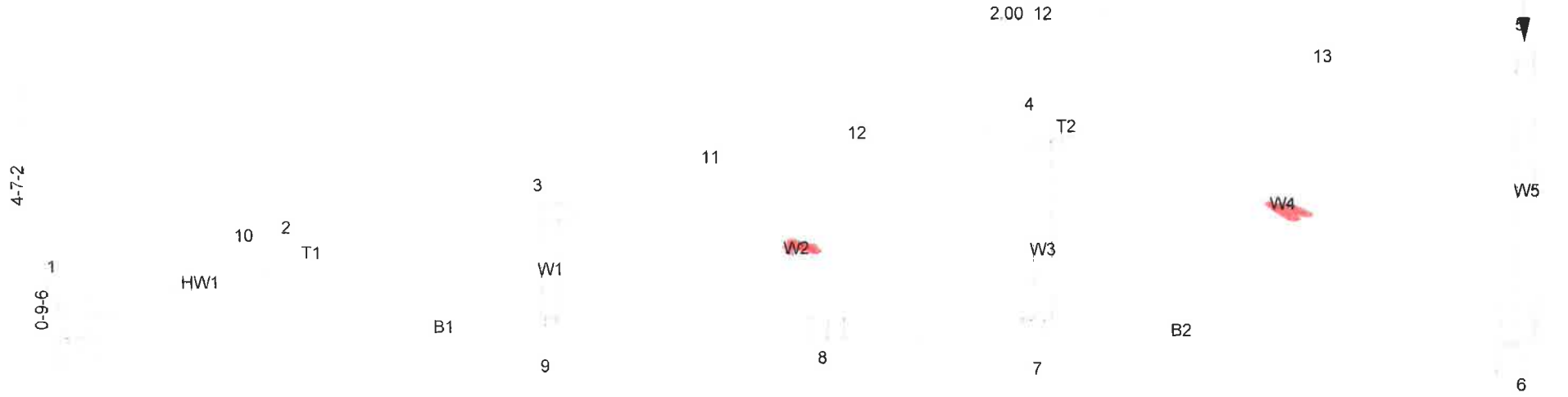
ID:eXwKbqUtCc3mfkJJM32_Mvzo0vk-70pQrxCvJgk4Ciy6DWiyVKR?npxIuI01FxNu51ym3Ji

11-4-0 | 15-3-0 | 22-10-8 | 11-4-0
7-7-8 | 7-7-8 | 7-7-8 | 7-7-8

Scale = 1:36.3



11-4-0 | 15-3-0 | 22-10-8 | 11-4-0
7-7-8 | 7-7-8 | 7-7-8 | 7-7-8

Plate Offsets (X,Y)-- [1:0-5-13,Edge], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.85
TCDL	7.0	Lumber DOL	1.15	BC	0.89
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	0.30	7-9	>904	240
Vert(TL)	-0.48	7-9	>570	180
Horz(TL)	0.10	6	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 109 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T1: 2x4 SP M 30
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 3-9-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-7-9 oc bracing.
WEBS 1 Row at midpt 3-7, 4-6
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=865/0-7-4 (min. 0-1-8), 1=841/0-7-4 (min. 0-1-8)
Max Horz 1=375(LC 9)
Max Uplift6=-598(LC 9), 1=-534(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-2592/1544, 2-10=-2540/1546, 2-3=-2542/1556, 3-11=-1588/830, 11-12=-1560/831, 4-12=-1527/837
BOT CHORD 1-9=-1553/2484, 8-9=-1553/2484, 7-8=-1553/2484, 6-7=-1061/1539
WEBS 3-9=0/301, 3-7=-970/837, 4-7=-97/489, 4-6=-1629/1053

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 22-8-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 598 lb uplift at joint 6 and 534 lb uplift at joint 1.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 32 lb down and 19 lb up at 22-8-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
Uniform Loads (plf)
Vert: 1-5=-54, 1-6=-20
Concentrated Loads (lb)
Vert: 5=-24

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	D01	GABLE	2	1

Job Reference (optional)

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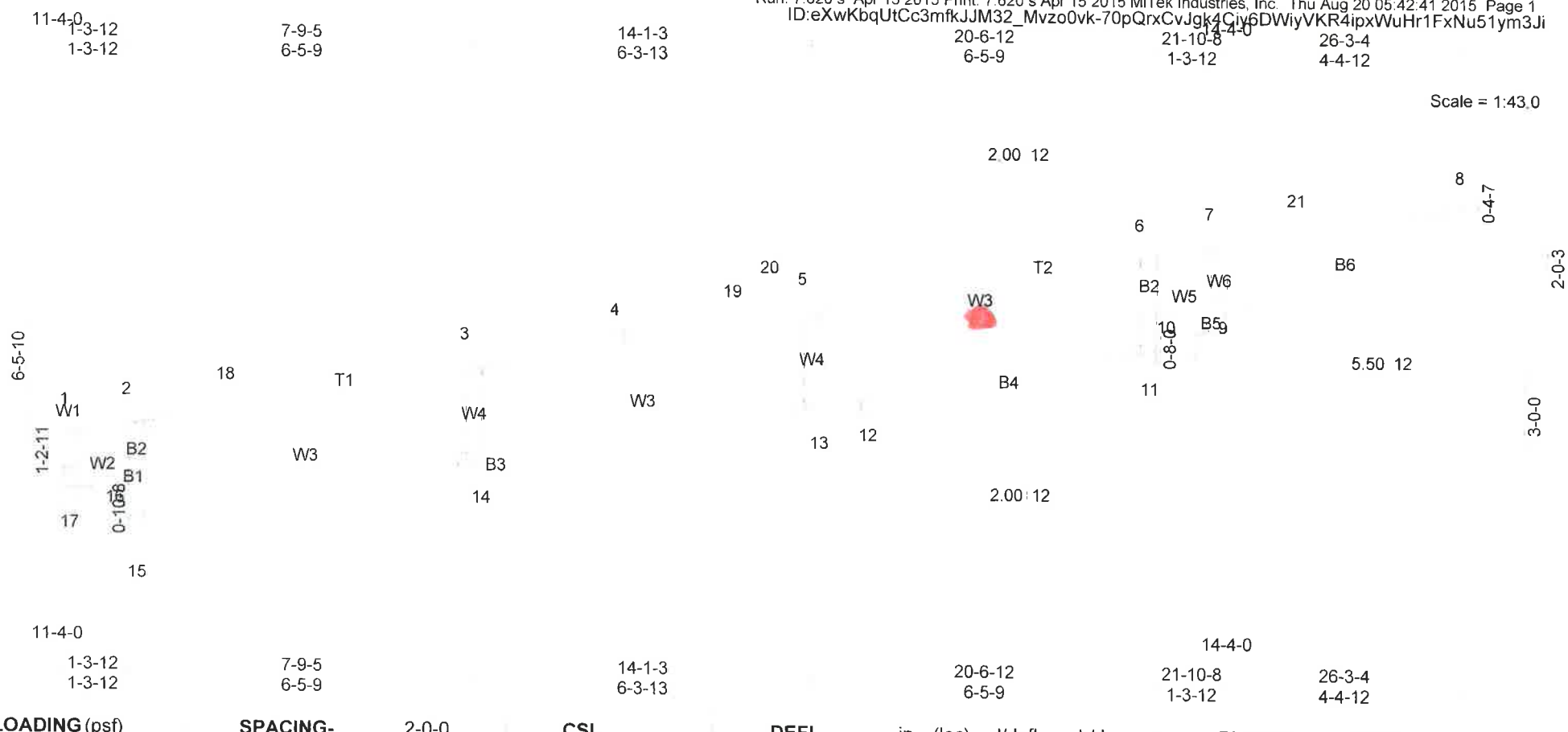


LOADING (psf)		SPACING-	2-0-0	CSI.	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.54
TCDL	7.0	Lumber DOL	1.15	BC	0.84
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	0.25	13-14	>999	240
Vert(TL)	-0.35	13-14	>741	180
Horz(TL)	-0.04	9	n/a	n/a

PLATES	GRIP
MT20	244/190
MT20HS	187/143

Weight: 124 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-11-4 oc bracing.
WEBS 1 Row at midpt 5-11

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 17=769/0-7-4 (min. 0-1-8), 9=1160/0-7-4 (min. 0-1-8)
Max Horz 17=367(LC 9)
Max Uplift17=-481(LC 8), 9=-962(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-728/441, 2-18=-1992/1180, 3-18=-1965/1186, 3-4=-1913/1010, 4-19=-1884/1011, 19-20=-1862/1015, 5-20=-1857/1015, 5-6=-790/148, 6-7=-1038/196, 7-21=-1249/384, 8-21=-1245/414, 1-17=-595/336
BOT CHORD 16-17=-560/146, 2-16=-691/597, 14-15=-539/571, 13-14=-1391/1975, 12-13=-1139/1877, 11-12=-1131/1895, 10-11=-296/610, 9-10=-308/885, 8-9=-466/1217
WEBS 1-16=-545/856, 2-14=-866/1399, 3-14=-323/368, 3-13=-80/311, 5-13=-25/279, 5-11=-1557/1044, 7-9=-832/604, 7-10=-537/959

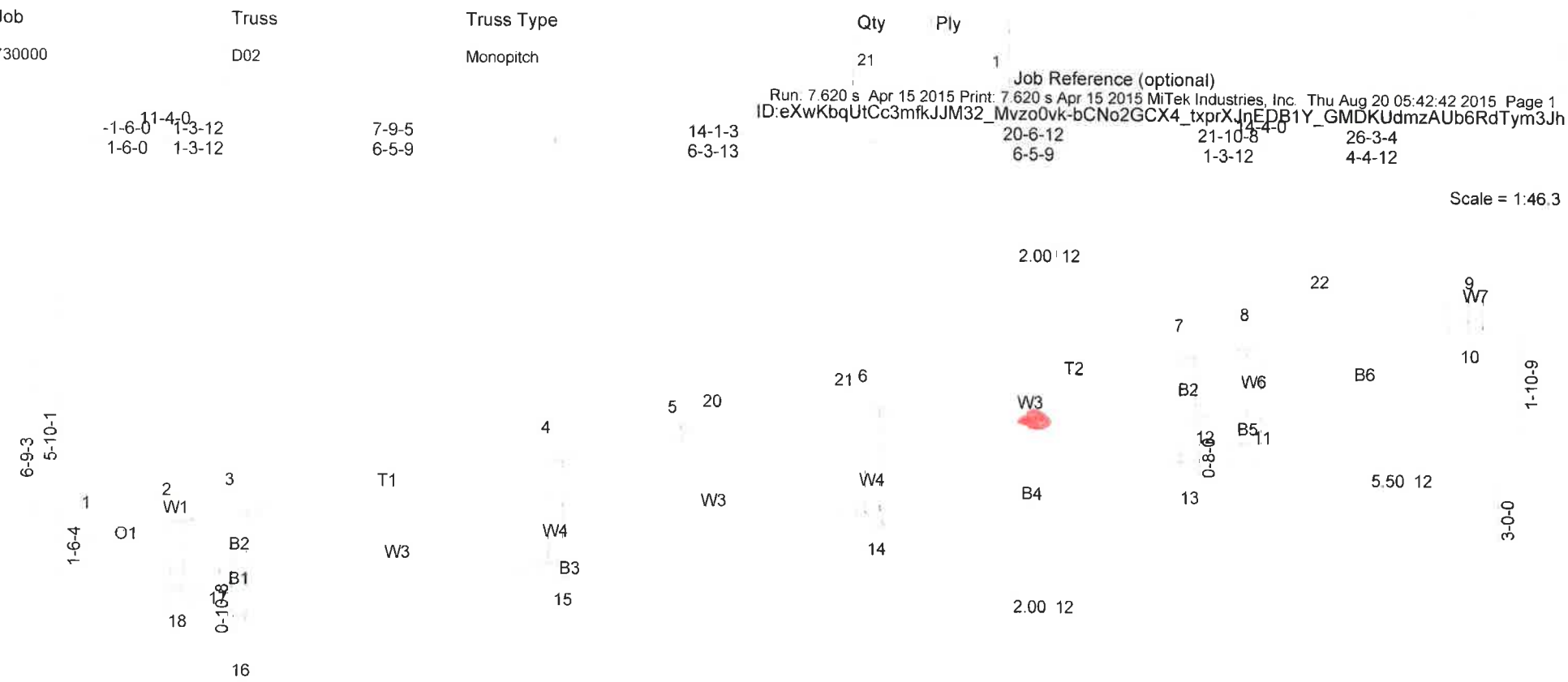
NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-2-8 to 3-2-8, Interior(1) 3-2-8 to 26-3-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 3x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 481 lb uplift at joint 17 and 962 lb uplift at joint 9.
10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	D02	Monopitch	21	1

Job Reference (optional)



11-4-0

	1-3-12		7-9-5		14-1-3		20-6-12	21-10-8	26-3-4
	1-3-12		6-5-9		6-3-13		6-5-9	1-3-12	4-4-12

14-4-0

Plate Offsets (X,Y)-- [9:0-4-15,0-4-3], [14:0-3-0,0-3-0]

LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d	**PLATES**	**GRIP**
TCLL	20.0	Plate Grip DOL	1.15	TC	0.48	Vert(LL)	0.18	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.66	Vert(TL)	-0.27	14-15	>957	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55	Horz(TL)	-0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)								

Weight: 133 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
B5: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W7: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-6-7 oc bracing.
WEBS 1 Row at midpt 6-13

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 18=867/0-7-4 (min. 0-1-8), 11=1140/0-7-4 (min. 0-1-8)
Max Horz 18=397(LC 9)
Max Uplift18=-627(LC 8), 11=-954(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-543/273, 3-4=-1731/935, 4-5=-1683/780, 5-20=-1655/784, 20-21=-1655/788, 6-21=-1627/788, 6-7=-643/133, 7-8=-793/132, 8-22=-834/251, 9-22=-828/282, 2-18=-714/501, 9-10=-196/411
BOT CHORD 17-18=-558/155, 3-17=-668/519, 15-16=-504/478, 14-15=-1116/1715, 13-14=-900/1662, 12-13=-256/601, 11-12=-197/494, 10-11=-331/793
WEBS 2-17=-406/752, 3-15=-702/1254, 4-15=-331/344, 4-14=-55/258, 6-14=-19/277, 6-13=-1358/918, 8-11=-759/566, 8-12=-381/730

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -1-6-0 to 1-5-8, Interior(1) 1-5-8 to 26-1-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) All plates are 3x4 MT20 unless otherwise indicated.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 627 lb uplift at joint 18 and 954 lb uplift at joint 11.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	E02	Jack-Closed	9	1

Job Reference (optional)

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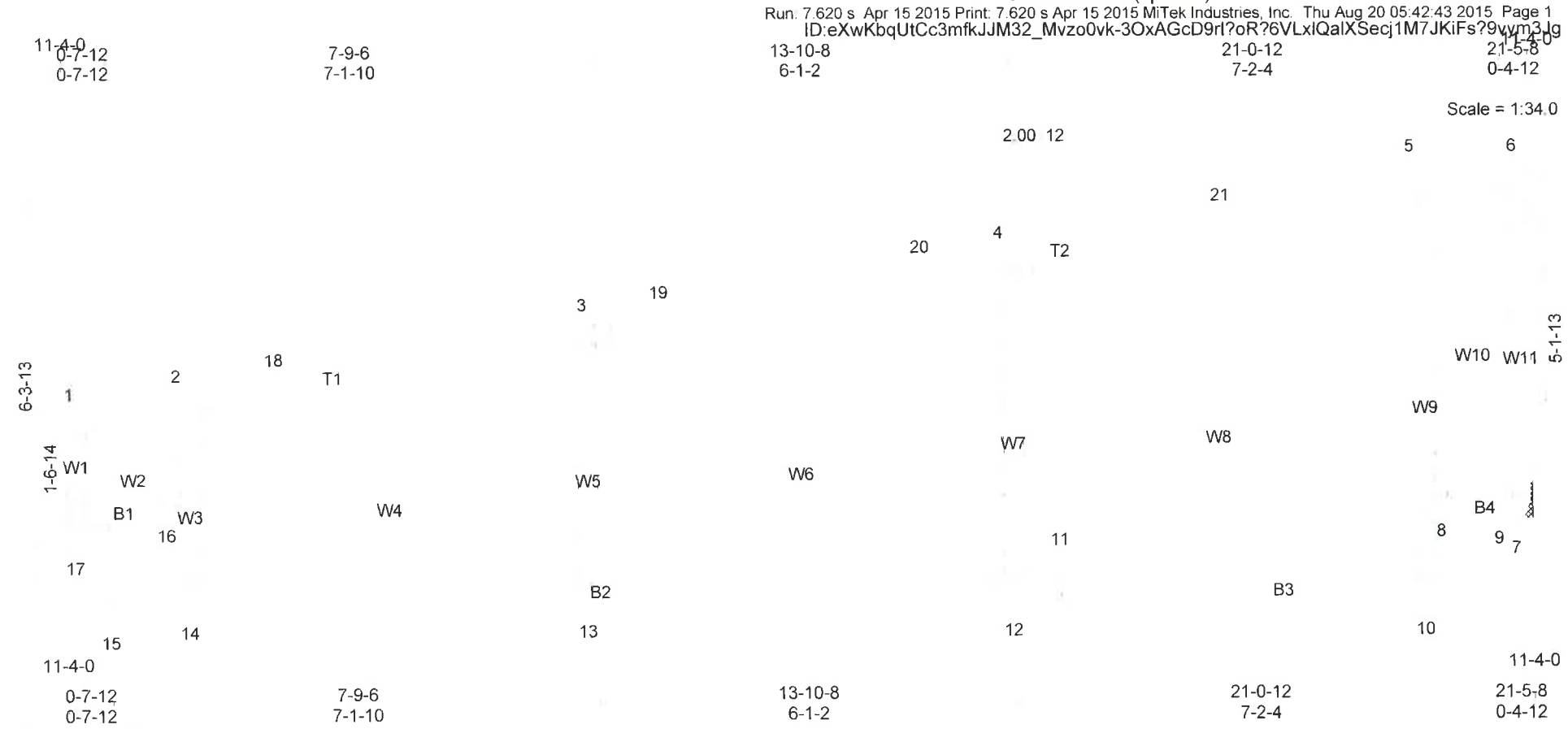

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.44	Vert(LL)	0.12	13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.45	Vert(TL)	-0.18	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.21	7	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 139 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W3: 2x4 SP M 30, W9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-9-10 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 17=806/0-7-4 (min. 0-1-8), 7=806/Mechanical
Max Horz 17=264(LC 9)
Max Uplift17=-474(LC 8), 7=-537(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-780/480, 1-2=-822/494, 2-18=-1122/584, 3-18=-1099/591, 3-19=-889/445, 19-20=-862/448, 4-20=-840/453, 5-6=-267/188
BOT CHORD 16-17=-258/150, 13-14=-404/464, 12-13=-752/1089, 11-12=-573/850, 10-11=-573/850
WEBS 2-16=-543/452, 8-10=-296/588, 5-8=-254/343, 2-13=-375/685, 3-12=-280/309, 4-12=-81/373, 4-10=-831/549, 6-7=-792/545, 6-8=-643/892, 1-16=-637/1005

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 21-3-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 3x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 474 lb uplift at joint 17 and 537 lb uplift at joint 7.
8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	E03	Jack-Closed	3	1

Job Reference (optional)

Run: 7.620 s Apr 15 2015 Print: 7.620 s Apr 15 2015 MiTek Industries, Inc Thu Aug 20 05:42:43 2015 Page 1
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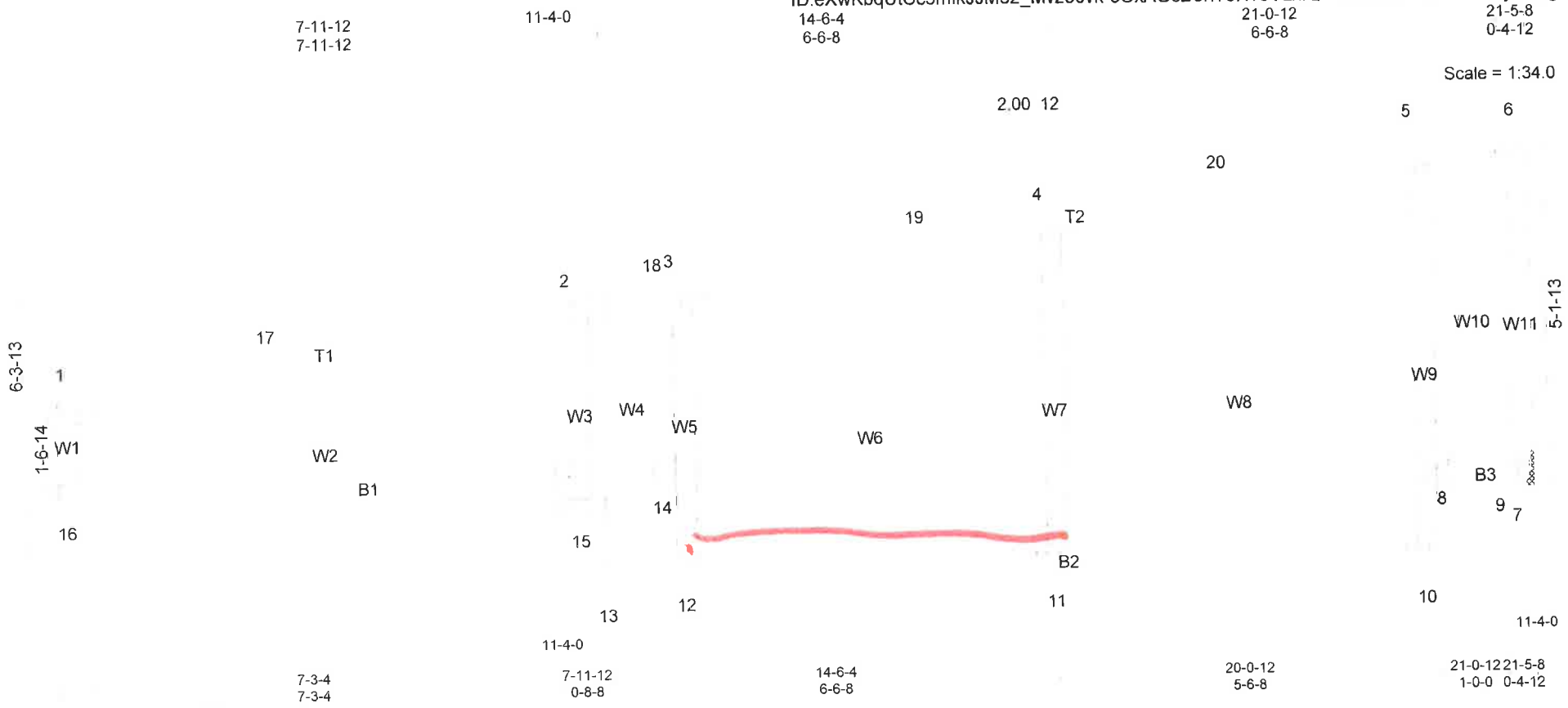

Plate Offsets (X,Y)-- [2:0-3-0,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.75
TCDL	7.0	Lumber DOL	1.15	BC	0.78
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	-0.06	13	>999	240
Vert(TL)	-0.06	10-11	>999	180
Horz(TL)	0.11	7	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 141 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W5: 2x4 SP M 30

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=380/Mechanical, 15=1232/0-8-0 (min. 0-1-8)
Max Horz 15=264(LC 9)
Max Uplift7=-357(LC 9), 15=-1110(LC 8)
Max Grav7=400(LC 17), 15=1232(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-17=-1229/658, 2-17=-1225/698, 2-18=-999/339, 3-18=-997/350, 3-19=-281/165
BOT CHORD 14-15=-652/1037, 11-12=-252/617, 10-11=-284/262
WEBS 5-8=-225/319, 6-8=-420/429, 6-7=-386/366, 3-14=-491/575, 4-10=-225/258, 4-11=-203/425, 3-11=-589/555, 2-14=-317/575, 2-15=-918/732, 1-15=-774/1448

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 21-3-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 357 lb uplift at joint 7 and 1110 lb uplift at joint 15.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	F01	Monopitch	9	1

Job Reference (optional)

Run: 7.620 s Apr 15 2015 Print: 7.620 s Apr 15 2015 MiTek Industries, Inc Thu Aug 20 05:42:44 2015 Page 1
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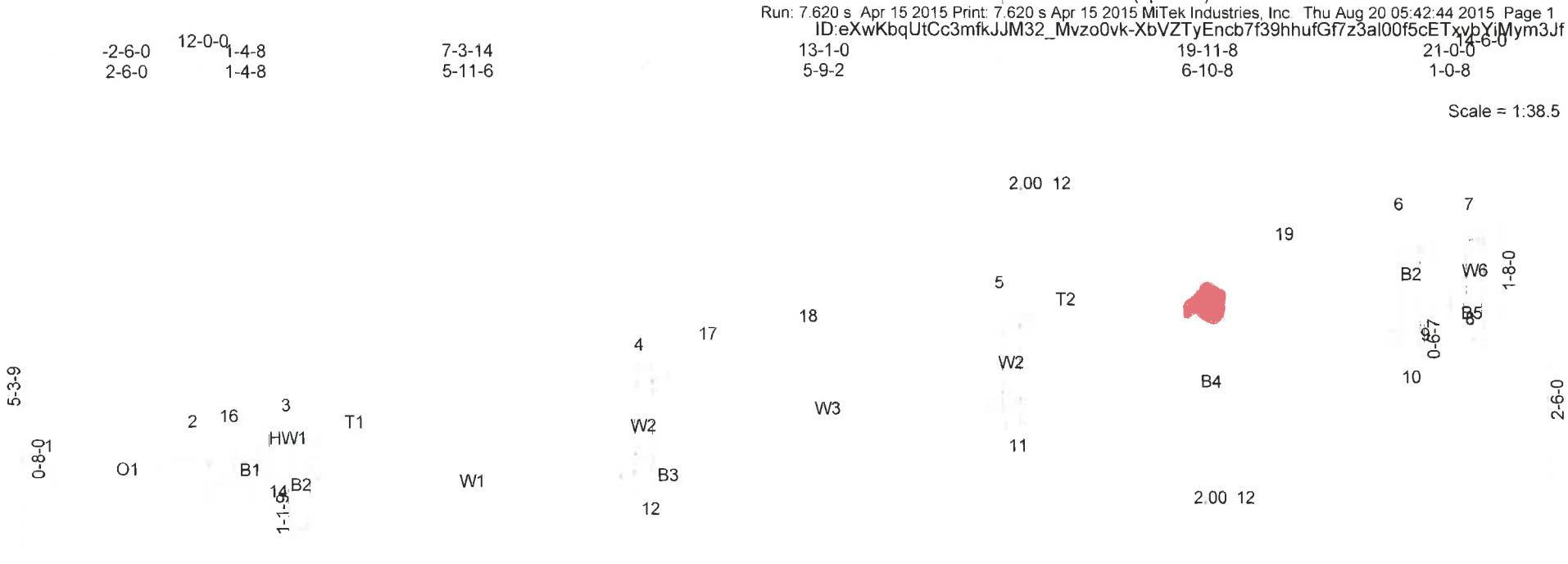


13

Plate Offsets (X,Y)-- [2:0-1-14,0-4-13], [3:0-4-8,Edge], [4:0-3-0,0-3-0], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	0.30	11-12	>846	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.68	Vert(TL)	-0.42	11-12	>589	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(TL)	-0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 111 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-4-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-12 oc bracing.
WEBS 1 Row at midpt 5-10

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 8=764/0-2-8 (min. 0-1-8), 2=915/0-8-0 (min. 0-1-8)
Max Horz 2=273(LC 9)
Max Uplift 8=-536(LC 9), 2=-715(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-16=-1762/773, 3-16=-1754/776, 3-4=-2175/1094, 4-17=-2282/1337, 17-18=-2258/1340, 5-18=-2257/1344, 5-19=-626/365, 6-19=-573/369
BOT CHORD 2-14=-957/1634, 11-12=-1280/2164, 10-11=-1523/2269, 9-10=-323/601, 6-9=-173/454, 8-9=-494/639
WEBS 6-8=-932/700, 12-14=-1206/1986, 4-12=-283/317, 5-10=-1644/1046

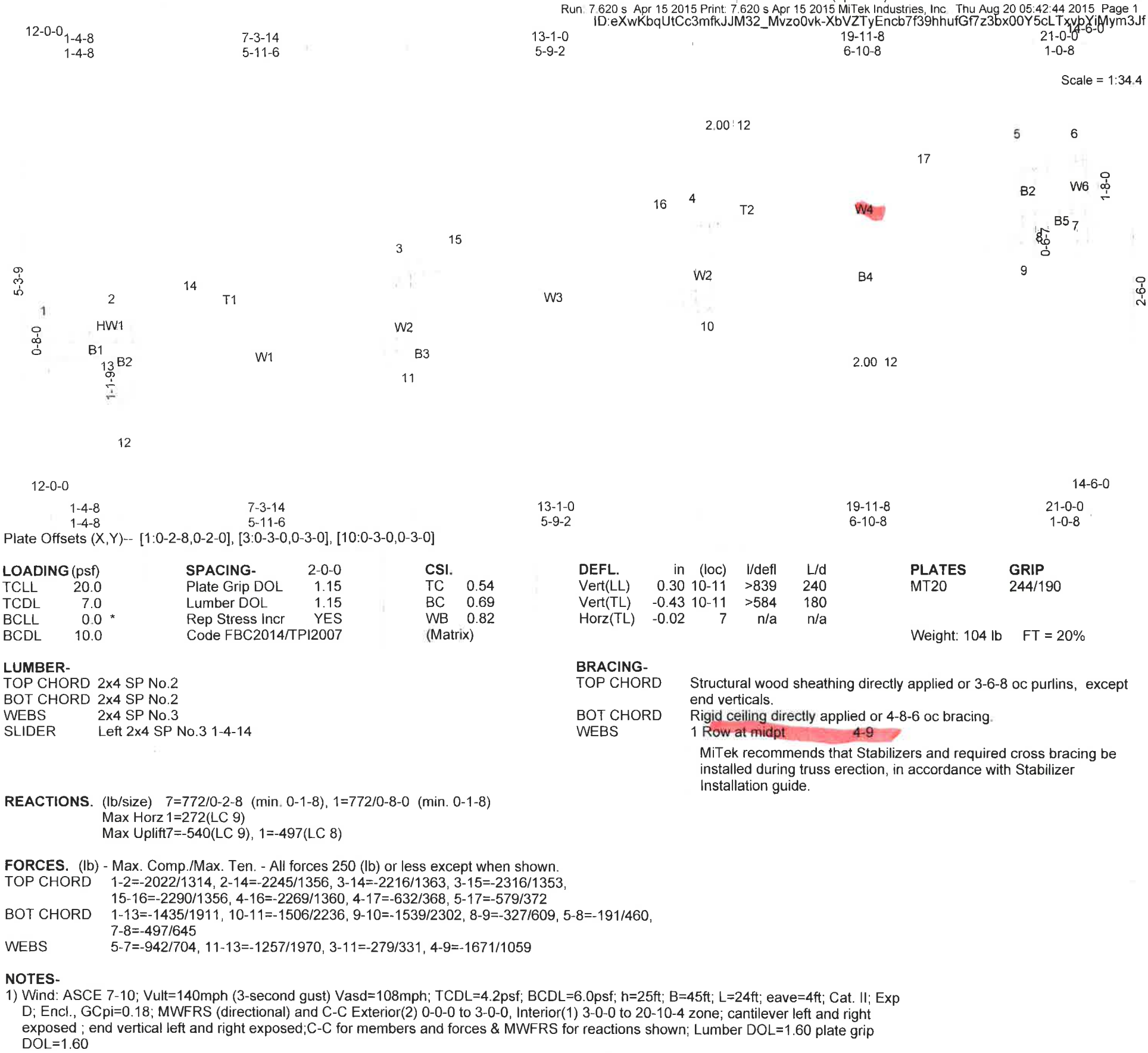
NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-6-0 to 0-6-0, Interior(1) 0-6-0 to 20-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 8.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 536 lb uplift at joint 8 and 715 lb uplift at joint 2.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	F02	MONOPITCH	9	1

Job Reference (optional)



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.54	Vert(LL)	0.30	10-11	>839	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.69	Vert(TL)	-0.43	10-11	>584	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(TL)	-0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 104 lb	FT = 20%

Plate Offsets (X,Y)-- [1:0-2-8,0-2-0], [3:0-3-0,0-3-0], [10:0-3-0,0-3-0]

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-4-14

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-6 oc bracing.
WEBS 1 Row at midpt 4-9

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 7=772/0-2-8 (min. 0-1-8), 1=772/0-8-0 (min. 0-1-8)
Max Horz 1=272(LC 9)
Max Uplift7=-540(LC 9), 1=-497(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2022/1314, 2-14=-2245/1356, 3-14=-2216/1363, 3-15=-2316/1353, 15-16=-2290/1356, 4-16=-2269/1360, 4-17=-632/368, 5-17=-579/372
BOT CHORD 1-13=-1435/1911, 10-11=-1506/2236, 9-10=-1539/2302, 8-9=-327/609, 5-8=-191/460, 7-8=-497/645
WEBS 5-7=-942/704, 11-13=-1257/1970, 3-11=-279/331, 4-9=-1671/1059

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 20-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 7.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 540 lb uplift at joint 7 and 497 lb uplift at joint 1.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	FG01	GABLE	1	2

Job Reference (optional)

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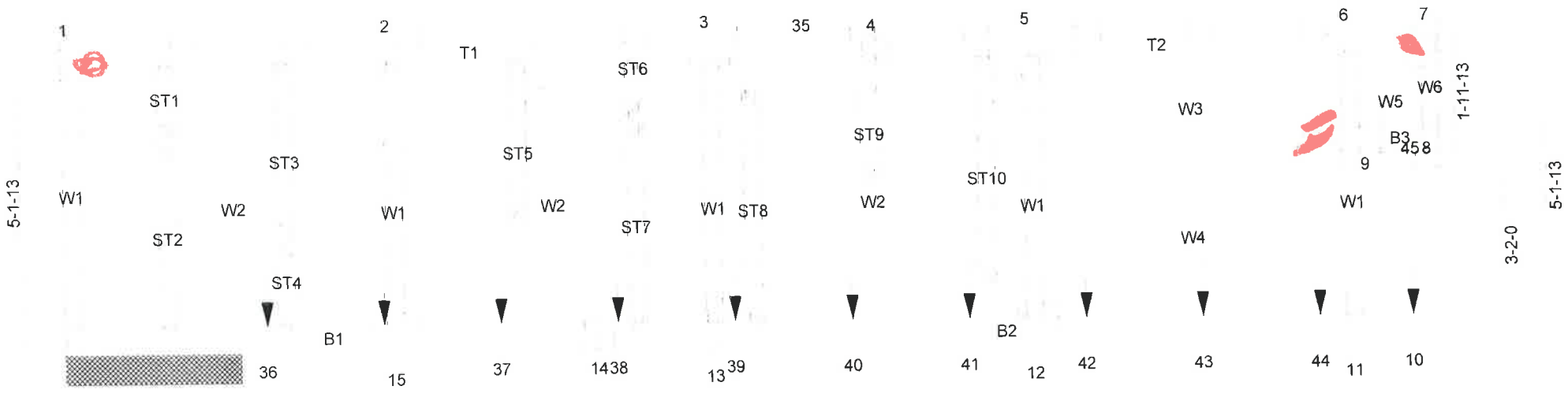
ID:eXwKbqUtCc3mfkJJM32_Mvzo0vk-?n2xgIFPNvFVgJGtSMnufAclgQP7q5OdAZL6Eoym3Je

11-4-0 | 11-4-0 (5-7-5, 5-7-5) | 11-0-14 (5-5-9) | 16-6-7 (5-5-9) | 23-0-0 (6-5-9) | 23-6-0 (0-6-0)

Scale = 1:38.5



11-4-0 | 2-8-0 (2-8-0) | 5-7-5 (2-11-5) | 11-0-14 (5-5-9) | 16-6-7 (5-5-9) | 23-0-0 (6-5-9) | 23-6-0 (0-6-0)

Plate Offsets (X,Y)-- [4:0-3-0,0-3-4], [9:0-4-4,0-5-0], [12:0-1-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	0.19	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.47	Vert(TL)	-0.25	13-15	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.70	Horz(TL)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 427 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP 2400F 2.0E *Except*
B3: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
W2,W5,W4: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (5-5-5 max.): 1-7, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 1, 7, 9

REACTIONS. All bearings 2-11-8 except (jt=length) 8=0-5-0, 16=0-3-8.
(lb) - Max Horz 18=-259(LC 19)
Max Uplift All uplift 100 lb or less at joint(s) except 18=-2438(LC 4), 8=-3227(LC 5), 17=-2317(LC 1), 16=-2284(LC 4)
Max Grav All reactions 250 lb or less at joint(s) except 18=3646(LC 1), 8=4546(LC 1), 17=1593(LC 4), 16=3509(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-18=-3404/2263, 1-2=-3724/2420, 2-3=-3724/2420, 3-35=-5042/3326, 4-35=-5042/3326, 4-5=-5042/3326, 5-6=-3392/2398, 6-7=-3418/2415, 7-8=-4435/3162
BOT CHORD 15-37=-3937/6049, 14-37=-3937/6049, 14-38=-3937/6049, 13-38=-3937/6049, 13-39=-3937/6049, 39-40=-3937/6049, 40-41=-3937/6049, 12-41=-3937/6049
WEBS 1-15=-3252/4931, 2-15=-389/334, 3-15=-3087/2026, 3-13=-1625/2565, 3-12=-1338/866, 5-12=-429/488, 7-9=-3929/5509, 9-11=-904/992, 6-9=-303/296, 9-12=-3805/5711, 5-9=-1716/1002

NOTES-
1) 2-ply truss to be connected together with 12d (0.131"x3.25") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc clinched.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc clinched.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc clinched.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) All plates are 2x4 MT20 unless otherwise indicated.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Continued on page 2

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NOTES-

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2438 lb uplift at joint 18, 3227 lb uplift at joint 8, 2317 lb uplift at joint 17 and 2284 lb uplift at joint 16.
12) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
13) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
15) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
16) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 786 lb down and 557 lb up at 3-5-0, 786 lb down and 557 lb up at 5-5-0, 786 lb down and 557 lb up at 7-5-0, 786 lb down and 557 lb up at 9-5-0, 786 lb down and 557 lb up at 11-5-0, 786 lb down and 557 lb up at 13-5-0, 786 lb down and 557 lb up at 15-5-0, 786 lb down and 557 lb up at 17-5-0, 360 lb down and 377 lb up at 19-5-0, and 360 lb down and 377 lb up at 21-5-0, and 360 lb down and 377 lb up at 23-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-7=-66, 10-18=-20, 8-9=-20
   Concentrated Loads (lb)
   Vert: 15=-786(B) 10=-360(B) 36=-786(B) 37=-786(B) 38=-786(B) 39=-786(B) 40=-786(B) 41=-786(B) 42=-786(B) 43=-360(B) 44=-360(B)
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.15
   Uniform Loads (plf)
   Vert: 1-7=-56, 10-18=-20, 8-9=-20
   Concentrated Loads (lb)
   Vert: 15=-681(B) 10=-312(B) 36=-681(B) 37=-681(B) 38=-681(B) 39=-681(B) 40=-681(B) 41=-681(B) 42=-681(B) 43=-312(B) 44=-312(B)
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-7=-26, 10-18=-40, 8-9=-40
   Concentrated Loads (lb)
   Vert: 15=-578(B) 10=-267(B) 36=-578(B) 37=-578(B) 38=-578(B) 39=-578(B) 40=-578(B) 41=-578(B) 42=-578(B) 43=-267(B) 44=-267(B)
4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-35=54, 7-35=24, 10-18=-12, 8-9=-12
   Horz: 1-18=29, 7-8=35
   Concentrated Loads (lb)
   Vert: 15=549(B) 10=369(B) 36=549(B) 37=549(B) 38=549(B) 39=549(B) 40=549(B) 41=549(B) 42=549(B) 43=369(B) 44=369(B)
5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-3=24, 3-7=54, 10-18=-12, 8-9=-12
   Horz: 1-18=-35, 7-8=-29
   Concentrated Loads (lb)
   Vert: 15=549(B) 10=369(B) 36=549(B) 37=549(B) 38=549(B) 39=549(B) 40=549(B) 41=549(B) 42=549(B) 43=369(B) 44=369(B)
6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-7=-28, 10-18=-20, 8-9=-20
   Horz: 1-18=50, 7-8=14
   Concentrated Loads (lb)
   Vert: 15=557(B) 10=377(B) 36=557(B) 37=557(B) 38=557(B) 39=557(B) 40=557(B) 41=557(B) 42=557(B) 43=377(B) 44=377(B)
7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-7=-28, 10-18=-20, 8-9=-20
   Horz: 1-18=-14, 7-8=-50
   Concentrated Loads (lb)
   Vert: 15=557(B) 10=377(B) 36=557(B) 37=557(B) 38=557(B) 39=557(B) 40=557(B) 41=557(B) 42=557(B) 43=377(B) 44=377(B)
8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-7=36, 10-18=-12, 8-9=-12
   Horz: 1-18=-45, 7-8=45
   Concentrated Loads (lb)
   Vert: 15=549(B) 10=369(B) 36=549(B) 37=549(B) 38=549(B) 39=549(B) 40=549(B) 41=549(B) 42=549(B) 43=369(B) 44=369(B)
9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-7=16, 10-18=-12, 8-9=-12
   Horz: 1-18=-45, 7-8=45
   Concentrated Loads (lb)
   Vert: 15=549(B) 10=369(B) 36=549(B) 37=549(B) 38=549(B) 39=549(B) 40=549(B) 41=549(B) 42=549(B) 43=369(B) 44=369(B)
10) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-7=-28, 10-18=-20, 8-9=-20
   Horz: 1-18=-24, 7-8=24
   Concentrated Loads (lb)
   Vert: 15=557(B) 10=377(B) 36=557(B) 37=557(B) 38=557(B) 39=557(B) 40=557(B) 41=557(B) 42=557(B) 43=377(B) 44=377(B)
11) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-7=-28, 10-18=-20, 8-9=-20
   Horz: 1-18=-24, 7-8=24
   Concentrated Loads (lb)
   Vert: 15=557(B) 10=377(B) 36=557(B) 37=557(B) 38=557(B) 39=557(B) 40=557(B) 41=557(B) 42=557(B) 43=377(B) 44=377(B)
12) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
   Uniform Loads (plf)
   Vert: 1-7=-26, 10-18=-20, 8-9=-20

Continued on page 3

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 15=-363(B) 10=-167(B) 36=-363(B) 37=-363(B) 38=-363(B) 39=-363(B) 40=-363(B) 41=-363(B) 42=-363(B) 43=-167(B) 44=-167(B)
13) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-57, 10-18=-20, 8-9=-20
Horz: 1-18=37, 7-8=11
Concentrated Loads (lb)
Vert: 15=365(B) 10=260(B) 36=365(B) 37=365(B) 38=365(B) 39=365(B) 40=365(B) 41=365(B) 42=365(B) 43=260(B) 44=260(B)
14) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-57, 10-18=-20, 8-9=-20
Horz: 1-18=-11, 7-8=-37
Concentrated Loads (lb)
Vert: 15=365(B) 10=260(B) 36=365(B) 37=365(B) 38=365(B) 39=365(B) 40=365(B) 41=365(B) 42=365(B) 43=260(B) 44=260(B)
15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-57, 10-18=-20, 8-9=-20
Horz: 1-18=-18, 7-8=18
Concentrated Loads (lb)
Vert: 15=365(B) 10=260(B) 36=365(B) 37=365(B) 38=365(B) 39=365(B) 40=365(B) 41=365(B) 42=365(B) 43=260(B) 44=260(B)
16) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-57, 10-18=-20, 8-9=-20
Horz: 1-18=-18, 7-8=18
Concentrated Loads (lb)
Vert: 15=365(B) 10=260(B) 36=365(B) 37=365(B) 38=365(B) 39=365(B) 40=365(B) 41=365(B) 42=365(B) 43=260(B) 44=260(B)
17) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-35=54, 7-35=24, 10-18=-12, 8-9=-12
Horz: 1-18=29, 7-8=35
Concentrated Loads (lb)
Vert: 15=-414(B) 10=-266(B) 36=-414(B) 37=-414(B) 38=-414(B) 39=-414(B) 40=-414(B) 41=-414(B) 42=-414(B) 43=-266(B) 44=-266(B)
18) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-3=24, 3-7=54, 10-18=-12, 8-9=-12
Horz: 1-18=-35, 7-8=-29
Concentrated Loads (lb)
Vert: 15=-414(B) 10=-266(B) 36=-414(B) 37=-414(B) 38=-414(B) 39=-414(B) 40=-414(B) 41=-414(B) 42=-414(B) 43=-266(B) 44=-266(B)
19) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-28, 10-18=-20, 8-9=-20
Horz: 1-18=50, 7-8=14
Concentrated Loads (lb)
Vert: 15=-406(B) 10=-258(B) 36=-406(B) 37=-406(B) 38=-406(B) 39=-406(B) 40=-406(B) 41=-406(B) 42=-406(B) 43=-258(B) 44=-258(B)
20) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-28, 10-18=-20, 8-9=-20
Horz: 1-18=-14, 7-8=-50
Concentrated Loads (lb)
Vert: 15=-406(B) 10=-258(B) 36=-406(B) 37=-406(B) 38=-406(B) 39=-406(B) 40=-406(B) 41=-406(B) 42=-406(B) 43=-258(B) 44=-258(B)
21) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=36, 10-18=-12, 8-9=-12
Horz: 1-18=-45, 7-8=45
Concentrated Loads (lb)
Vert: 15=-414(B) 10=-266(B) 36=-414(B) 37=-414(B) 38=-414(B) 39=-414(B) 40=-414(B) 41=-414(B) 42=-414(B) 43=-266(B) 44=-266(B)
22) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=16, 10-18=-12, 8-9=-12
Horz: 1-18=-45, 7-8=45
Concentrated Loads (lb)
Vert: 15=-414(B) 10=-266(B) 36=-414(B) 37=-414(B) 38=-414(B) 39=-414(B) 40=-414(B) 41=-414(B) 42=-414(B) 43=-266(B) 44=-266(B)
23) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-28, 10-18=-20, 8-9=-20
Horz: 1-18=-24, 7-8=24
Concentrated Loads (lb)
Vert: 15=-406(B) 10=-258(B) 36=-406(B) 37=-406(B) 38=-406(B) 39=-406(B) 40=-406(B) 41=-406(B) 42=-406(B) 43=-258(B) 44=-258(B)
24) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-28, 10-18=-20, 8-9=-20
Horz: 1-18=-24, 7-8=24
Concentrated Loads (lb)
Vert: 15=-406(B) 10=-258(B) 36=-406(B) 37=-406(B) 38=-406(B) 39=-406(B) 40=-406(B) 41=-406(B) 42=-406(B) 43=-258(B) 44=-258(B)

Continued on page 4

LOAD CASE(S) Standard

25) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-57, 10-18=-20, 8-9=-20
Horz: 1-18=37, 7-8=11
Concentrated Loads (lb)
Vert: 15=-634(B) 10=-344(B) 36=-634(B) 37=-634(B) 38=-634(B) 39=-634(B) 40=-634(B) 41=-634(B) 42=-634(B) 43=-344(B) 44=-344(B)

26) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-57, 10-18=-20, 8-9=-20
Horz: 1-18=-11, 7-8=-37
Concentrated Loads (lb)
Vert: 15=-634(B) 10=-344(B) 36=-634(B) 37=-634(B) 38=-634(B) 39=-634(B) 40=-634(B) 41=-634(B) 42=-634(B) 43=-344(B) 44=-344(B)

27) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-57, 10-18=-20, 8-9=-20
Horz: 1-18=-18, 7-8=18
Concentrated Loads (lb)
Vert: 15=-634(B) 10=-344(B) 36=-634(B) 37=-634(B) 38=-634(B) 39=-634(B) 40=-634(B) 41=-634(B) 42=-634(B) 43=-344(B) 44=-344(B)

28) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-7=-57, 10-18=-20, 8-9=-20
Horz: 1-18=-18, 7-8=18
Concentrated Loads (lb)
Vert: 15=-634(B) 10=-344(B) 36=-634(B) 37=-634(B) 38=-634(B) 39=-634(B) 40=-634(B) 41=-634(B) 42=-634(B) 43=-344(B) 44=-344(B)

Job	Truss	Truss Type	Qty	Ply
730000	G01	GABLE	1	1

Job Reference (optional)

Run: 7.620 s Apr 15 2015 Print: 7.620 s Apr 15 2015 MiTek Industries, Inc. Thu Aug 20 05:42:46 2015 Page 1
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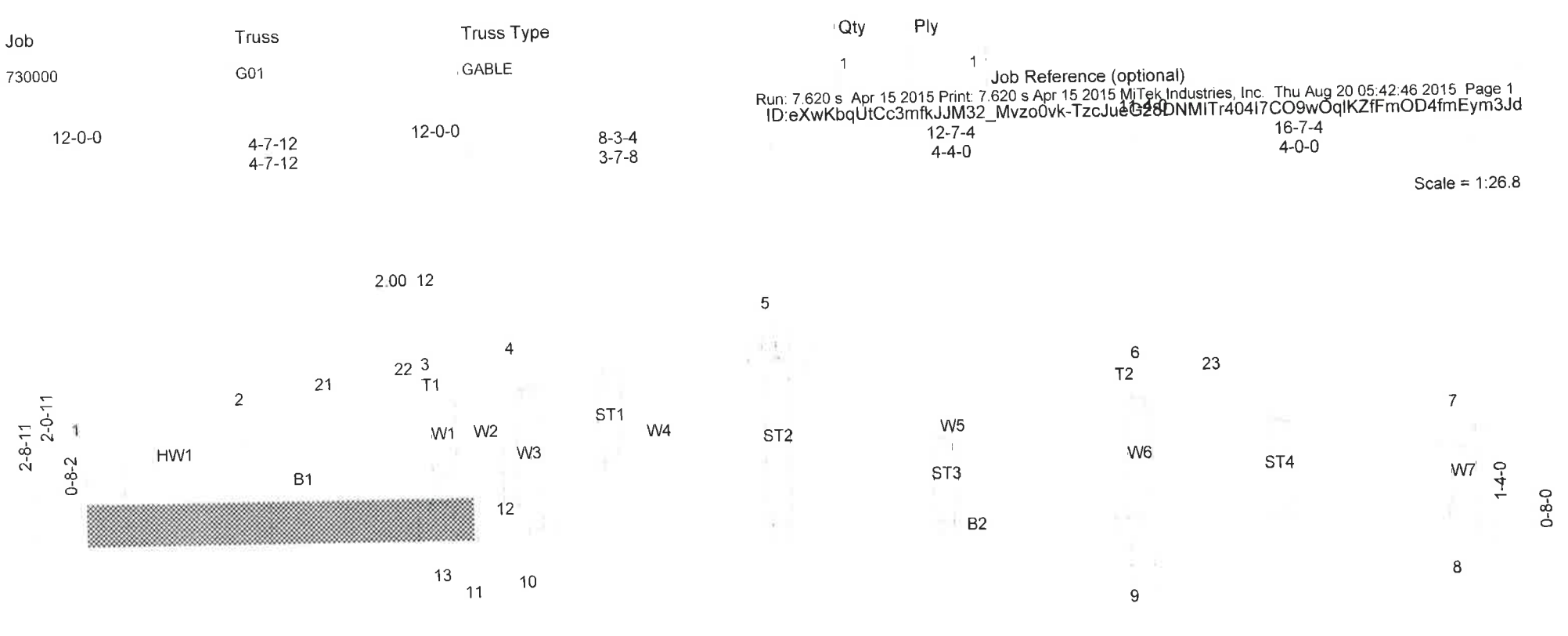


12-0-0			12-0-0			11-4-0	
	3-11-4		4-7-12	12-7-4		12-9-0	16-7-4
	3-11-4		0-8-8	7-11-8		0-1-12	3-10-4

Plate Offsets (X,Y)-- [1:0-2-8,0-5-7], [5:0-4-0,0-0-3], [8:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.	
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60
TCDL	7.0	Lumber DOL	1.15	BC	0.48
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	-0.12	9-10	>869	240
Vert(TL)	-0.21	9-10	>473	180
Horz(TL)	0.00	9	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 82 lb FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 2-1-4

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. All bearings 4-7-4 except (jt=length) 9=0-3-8.
(lb) - Max Horz 1=52(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 1=-104(LC 8), 9=-652(LC 9), 13=-323(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 1 except 9=645(LC 1), 13=459(LC 1), 13=459(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	5-6=-336/152, 6-23=-410/165, 7-23=-415/139
BOT CHORD	8-9=-137/378
WEBS	5-9=-285/375, 6-9=-316/453, 3-13=-345/348

NOTES-

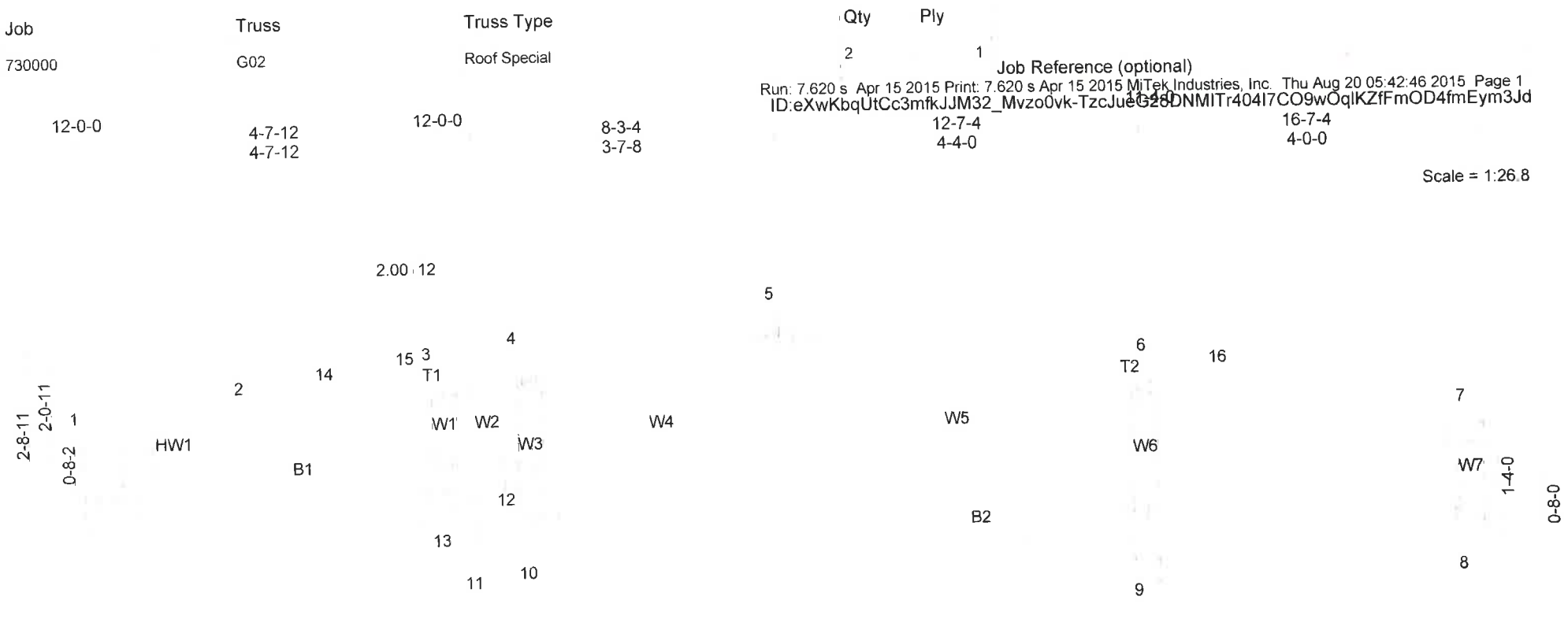
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 16-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 1, 652 lb uplift at joint 9 and 323 lb uplift at joint 13.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	G02	Roof Special	2	1

Job Reference (optional)



12-0-0		12-0-0	
	3-11-4	4-7-12	
	3-11-4	0-8-8	
12-7-4		12-9-0	16-7-4
7-11-8		0-1-12	3-10-4

Plate Offsets (X,Y)-- [1:0-2-8,0-5-7], [8:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0
TCLL	20.0	Plate Grip DOL	1.15
TCDL	7.0	Lumber DOL	1.15
BCLL	0.0 *	Rep Stress Incr	YES
BCDL	10.0	Code FBC2014/TPI2007	

CSI.	
TC	0.60
BC	0.48
WB	0.21
(Matrix)	

DEFL.	in	(loc)	l/defl	L/d
Vert(LL)	-0.12	9-10	>869	240
Vert(TL)	-0.21	9-10	>473	180
Horz(TL)	0.00	9	n/a	n/a

PLATES	GRIP
MT20	244/190

Weight: 75 lb FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x4 SP No.3 2-1-4

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 1=127/0-7-4 (min. 0-1-8), 9=645/0-3-8 (min. 0-1-8), 13=459/0-8-0 (min. 0-1-8)
Max Horz 1=52(LC 11)
Max Uplift1=-104(LC 8), 9=-652(LC 9), 13=-323(LC 8)
Max Grav 1=130(LC 21), 9=645(LC 1), 13=459(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	5-6=-336/152, 6-16=-410/165, 7-16=-415/139
BOT CHORD	8-9=-137/378
WEBS	5-9=-285/375, 6-9=-316/453, 3-13=-345/348

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 16-5-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 1, 652 lb uplift at joint 9 and 323 lb uplift at joint 13.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply
730000	H01	MONOPITCH SUPPORTED	1	1

Job Reference (optional)

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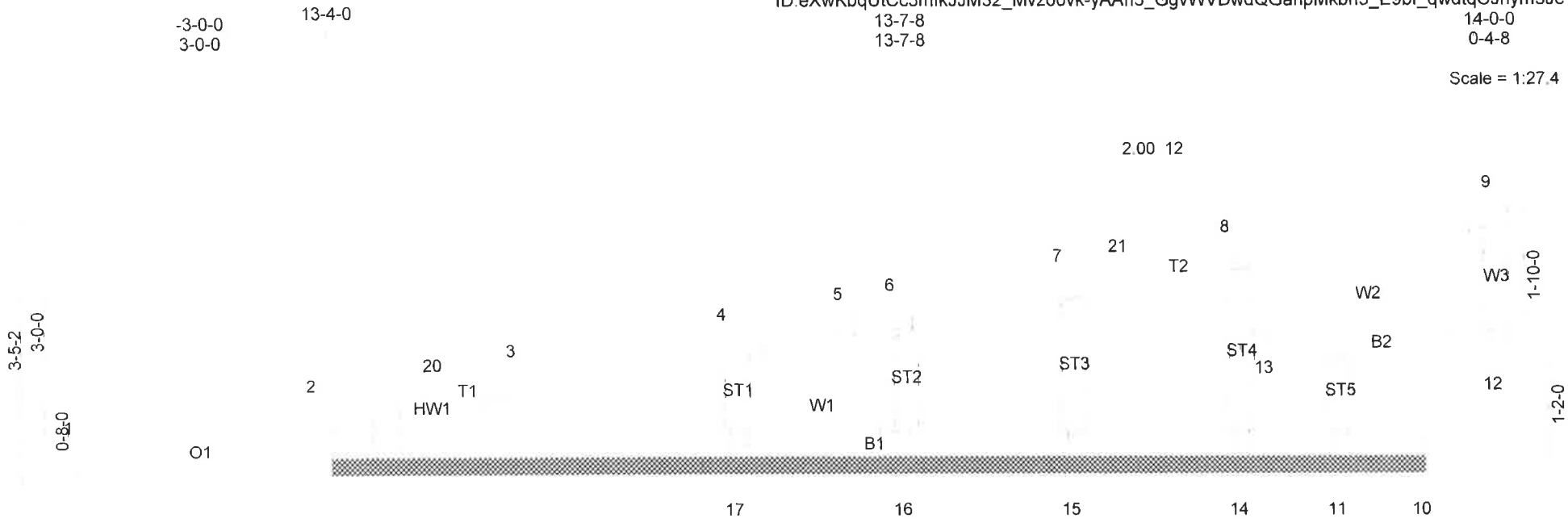

Plate Offsets (X,Y)-- [2:0-4-7,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.61	Vert(LL)	0.02	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.15	Vert(TL)	-0.02	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(TL)	-0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 76 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
T1: 2x4 SP M 30
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3 *Except*
O1: 2x4 SP No.2
SLIDER Left 2x4 SP No.3 2-4-11

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 13-0-0.
(lb) - Max Horz 2=234(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 15, 17 except 2=-480(LC 8), 14=-273(LC 9), 16=-225(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 10, 15, 16, 17, 11 except 2=378(LC 1), 14=371(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-358/209, 5-6=-355/213, 6-7=-332/206, 7-21=-319/200, 8-21=-317/203, 8-9=-438/287
WEBS 13-14=-339/546, 8-13=-184/370, 4-16=-262/332, 9-13=-285/430

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) -3-0-0 to 0-0-0, Exterior(2) 0-0-0 to 13-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 17 except (jt=lb) 2=480, 14=273, 16=225.
8) Non Standard bearing condition. Review required.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply
730000	H02	MONOPITCH	28	1

Job Reference (optional)

Run: 7.620 s Apr 15 2015 Print: 7.620 s Apr 15 2015 MiTek Industries, Inc. Thu Aug 20 05:42:48 2015 Page 1
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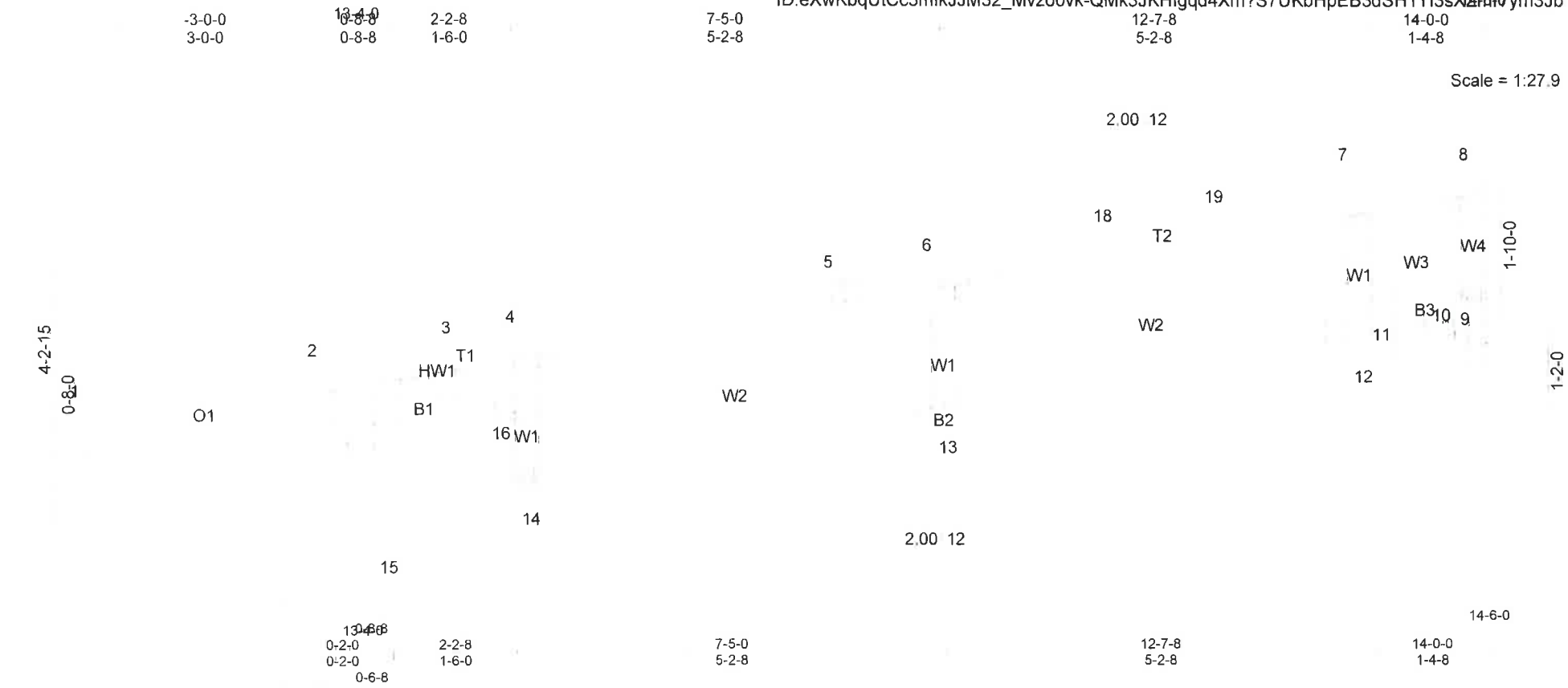

Plate Offsets (X,Y)-- [2:0-4-7,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.91	Vert(LL)	0.12	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.38	Vert(TL)	-0.15	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 83 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
W1: 2x4 SP M 30
OTHERS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-7-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-15 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 9=499/0-2-8 (min. 0-1-8), 2=721/0-4-0 (min. 0-1-8)
Max Horz 2=190(LC 8)
Max Uplift 9=-377(LC 9), 2=-632(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1240/755, 3-4=-1225/746, 4-5=-1091/700, 5-6=-1055/705, 6-18=-453/275, 18-19=-429/278, 7-19=-422/281, 7-8=-442/329, 8-9=-362/260
BOT CHORD 2-16=-865/1242, 13-14=-392/565, 12-13=-824/1087, 10-12=-349/447, 10-11=-415/311
WEBS 11-12=-57/294, 7-11=-217/285, 8-11=-464/608, 6-12=-651/495, 4-13=-431/588

NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -3-0-0 to 0-0-0, Interior(1) 0-0-0 to 13-10-4 zone; cantilever left and right exposed ; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=377, 2=632.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	K01	Monopitch	7	1

Job Reference (optional)

11-4-0 12-0-0 13-8-0

-1-6-0 0-8-8 1-8-8 5-4-14 9-11-8 12-0-0 13-8-0

1-6-0 0-8-8 1-0-0 3-8-6 4-6-10 3-8-8

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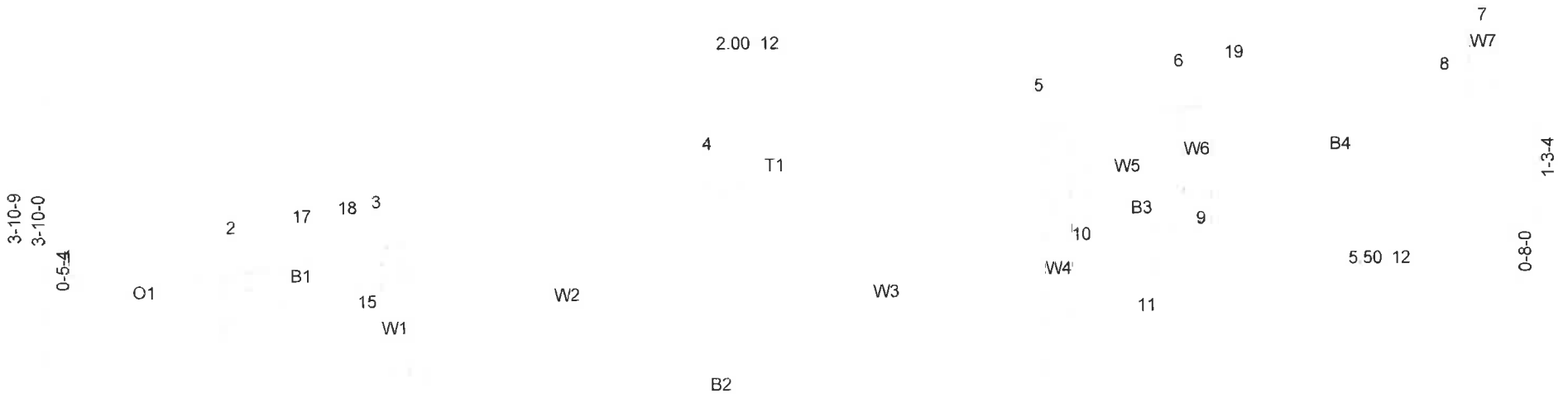

Plate Offsets (X,Y)-- [2:0-2-0,Edge]										
LOADING (psf)		**SPACING-**	2-0-0	**CSI.**		**DEFL.**	in	(loc)	l/defl	L/d
TCLL	20.0	Plate Grip DOL	1.15	TC	0.31	Vert(LL)	-0.15	12-13	>807	240
TCDL	7.0	Lumber DOL	1.15	BC	0.65	Vert(TL)	-0.39	12-13	>313	180
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(TL)	-0.04	9	n/a	n/a
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)						

PLATES	**GRIP**
MT20	244/190

Weight: 70 lb FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3 *Except* W1,W7: 2x4 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=481/0-8-0 (min. 0-1-8), 9=634/0-7-4 (min. 0-1-8)
Max Horz 2=238(LC 9)
Max Uplift2=-426(LC 8), 9=-598(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-17=-887/405, 17-18=-883/408, 3-18=-882/408, 3-4=-257/30, 4-5=-352/45, 5-6=-501/226, 6-19=-577/154, 7-19=-574/176, 7-8=-125/299
BOT CHORD	12-13=-356/358, 9-10=-111/338, 2-15=-602/848, 8-9=-207/546
WEBS	10-12=-128/267, 6-9=-474/406, 6-10=-329/458, 4-12=-322/344, 4-13=-171/268

NOTES-

1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=426, 9=598.
5) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

Reviewed for Code Compliance
Universal Engineering Sciences

Job	Truss	Truss Type	Qty	Ply
730000	M02	Monopitch	11	1

Job Reference (optional)

Run: 7.620 s Apr 15 2015 Print: 7.620 s Apr 15 2015 MiTek Industries, Inc. Thu Aug 20 05:42:49 2015 Page 1
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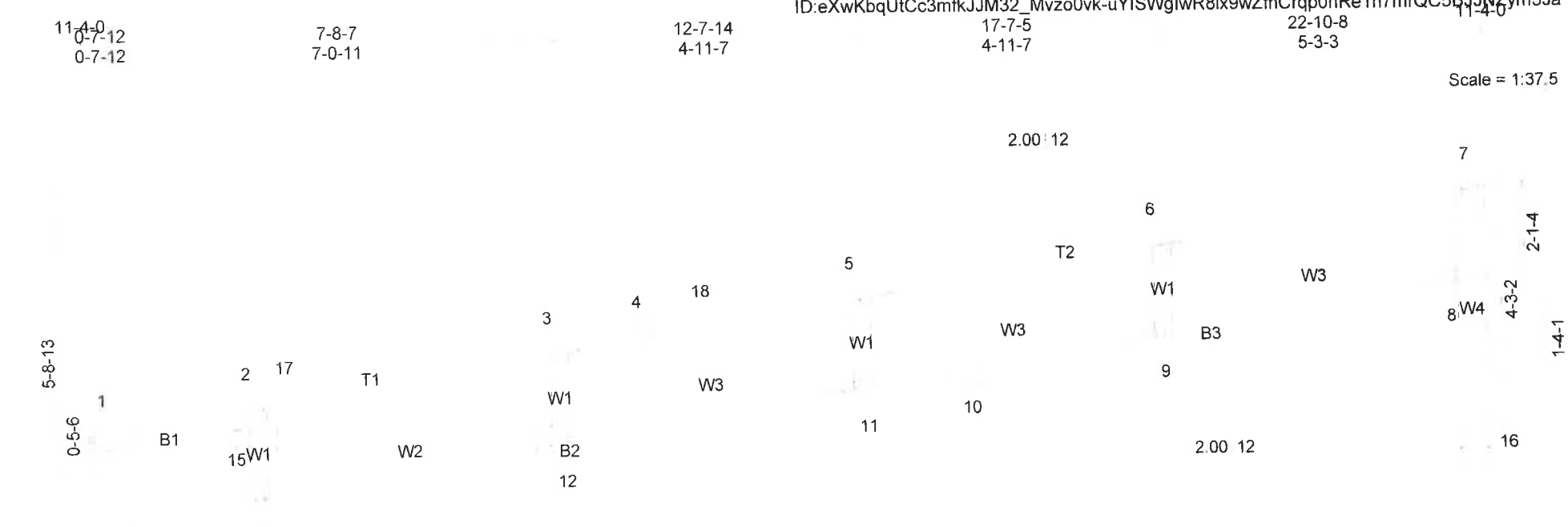


Plate Offsets (X,Y)-- [1:0-0-12,0-1-3], [15:0-2-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	0.34	11-12	>781	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.15	BC	0.79	Vert(TL)	-0.51	11-12	>522	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(TL)	0.15	16	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		(Matrix)							Weight: 117 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
W4: 2x6 SP No.2, W3,W2: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-5-5 oc bracing.
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

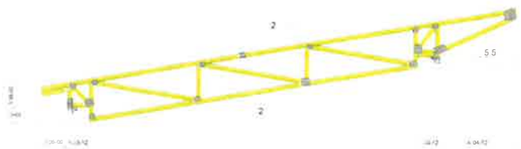
REACTIONS. (lb/size) 1=864/0-7-4 (min. 0-1-8), 16=829/0-5-8 (min. 0-1-8)
Max Horz 1=354(LC 9)
Max Uplift1=-505(LC 8), 16=-568(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3144/1843, 2-17=-2511/1491, 3-17=-2499/1497, 3-4=-2757/1489, 4-18=-2735/1492, 5-18=-2733/1496, 5-6=-1983/1185, 8-16=-829/568
BOT CHORD 12-13=-196/302, 11-12=-1528/2507, 10-11=-1760/2731, 9-10=-1751/2741, 8-9=-1402/1972, 1-15=-1864/3033
WEBS 3-12=-394/357, 3-11=-384/235, 2-15=-67/391, 12-15=-1316/2177, 6-8=-1894/1208, 6-9=-142/401, 5-9=-773/615

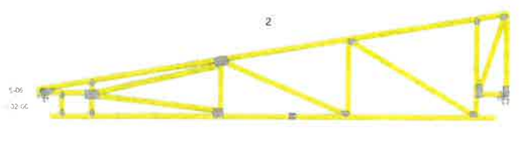
NOTES-
1) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 0-3-10 to 3-3-10, Interior(1) 3-3-10 to 22-7-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Bearing at joint(s) 16 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=505, 16=568.
6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

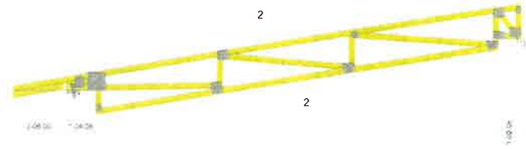
Reviewed for Code Compliance
Universal Engineering Sciences



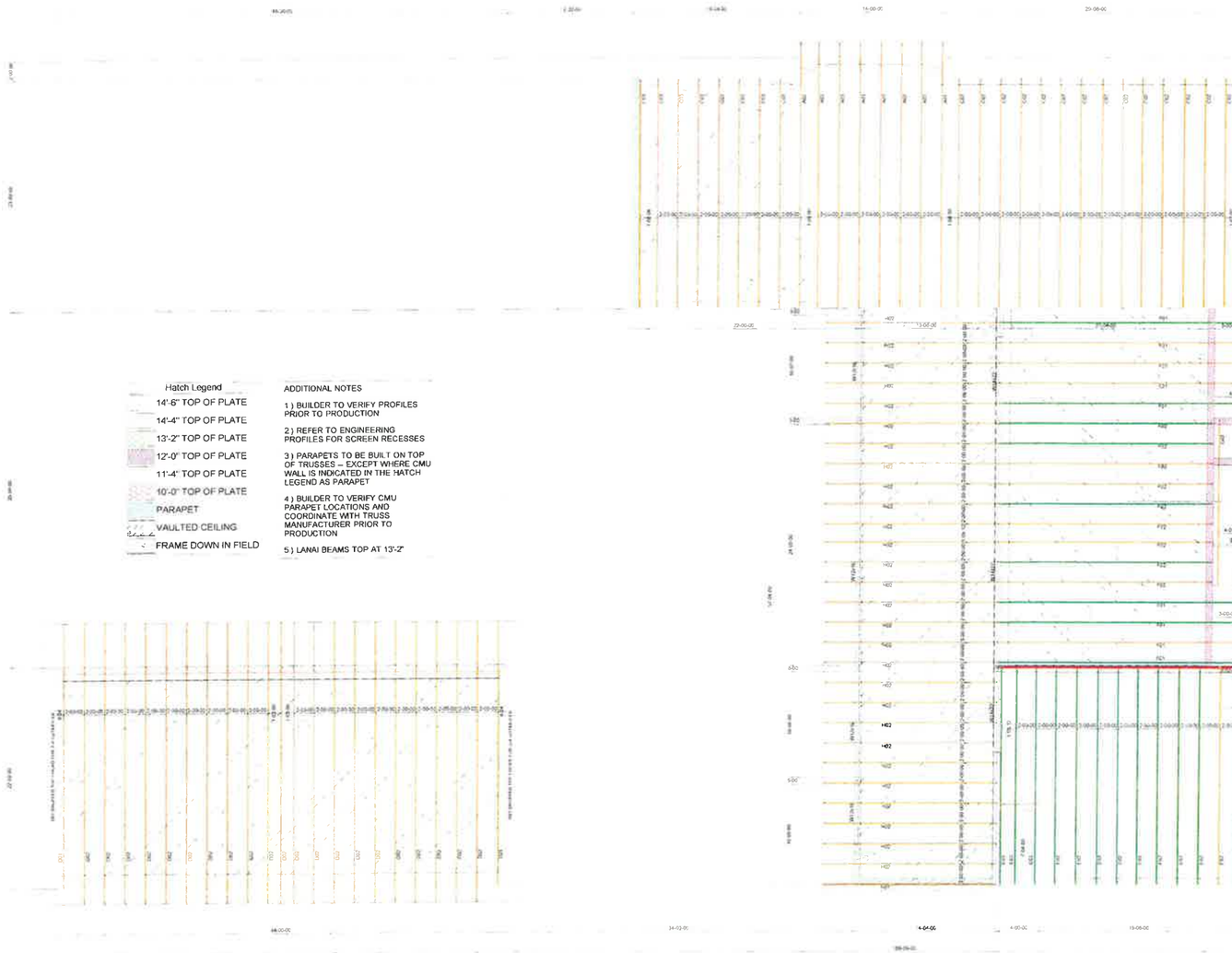
TYPICAL END DETAIL @ GAME ROOM
*TRUSS STUBBED BACK 3/4" FOR EDGE OF BLOCK WALL FOR PLYWOOD



TYPICAL END DETAIL @ GARAGE
*TRUSS STUBBED BACK 3/4" FOR EDGE OF BLOCK WALL FOR PLYWOOD



TYPICAL END DETAIL @ GREAT ROOM



Hatch Legend
- 14'-6" TOP OF PLATE
- 14'-4" TOP OF PLATE
- 13'-2" TOP OF PLATE
- 12'-0" TOP OF PLATE
- 11'-4" TOP OF PLATE
- 10'-0" TOP OF PLATE
- PARAPET
- VAULTED CEILING
- FRAME DOWN IN FIELD

ADDITIONAL NOTES

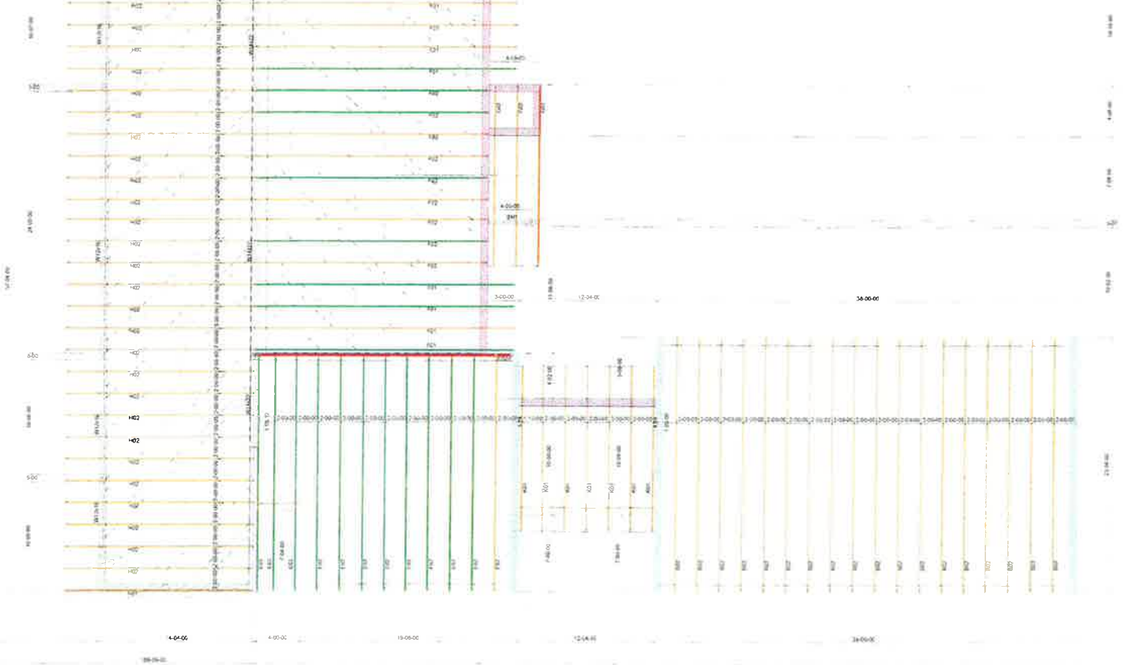
1.) BUILDER TO VERIFY PROFILES PRIOR TO PRODUCTION

2.) REFER TO ENGINEERING PROFILES FOR SCREEN RECESSES

3.) PARAPETS TO BE BUILT ON TOP OF TRUSSES – EXCEPT WHERE CMU WALL IS INDICATED IN THE HATCH LEGEND AS PARAPET

4.) BUILDER TO VERIFY CMU PARAPET LOCATIONS AND COORDINATE WITH TRUSS MANUFACTURER PRIOR TO PRODUCTION

5.) LANAI BEAMS TOP AT 13'-2"



General Notes

* Required interior bearing walls shown @ heights noted
* Trusses may not be cut or altered in any way without prior authorization from ABS, Inc.
* Any trusses that are cut or altered without authorization will be repaired or replaced at the customers expense
* No backcharges of any kind will be accepted without prior review and written consent from ABS, Inc.
* For proper truss handling and bracing, refer to the "TPI" documents "BCSI-B1 through B4"
* Any multi-ply trusses must be attached together per the engineering specifications prior to installation

* Permanent and temporary bracing is the responsibility of the truss installer. The "Engineer of Record" for the project is responsibile for the design of the permanent bracing, the diaphram system, shear walls, and structural elements to resist lateral loads from wind and or seismic activity. The "EOR" is also responsible to call out the required strapping materials to sufficiently attach the trusses to the load bearing structure below, to verify truss design specifications (pitch, span, profiles, applied loading, wind application, etc.), and for the overall design and placement plan of the truss system.

* If any job site accidents occur involving trusses, the installer must immediately stop work on the project and notify a representative of ABS, Inc.. All trusses involved in an accident must be inspected by a licensed structural engineer to determine the cause of the accident. The builder assumes all liability if trusses involved in an accident are altered or moved in any way before an inspection is completed. All decisions regarding necessary repairs or replacement of trusses will be based on the recommendation of the report submitted by the structural engineer.

Loading and Design Criteria

	Roof	Floor	Design Code	FBC2012 TPI2007
TC LL	20	-	Mean Hgt	25
TC DL	7	-	Wind Speed	140
BC LL	0	-	Exposure	D
BC DL	10	-		
Duration	1.25	-		

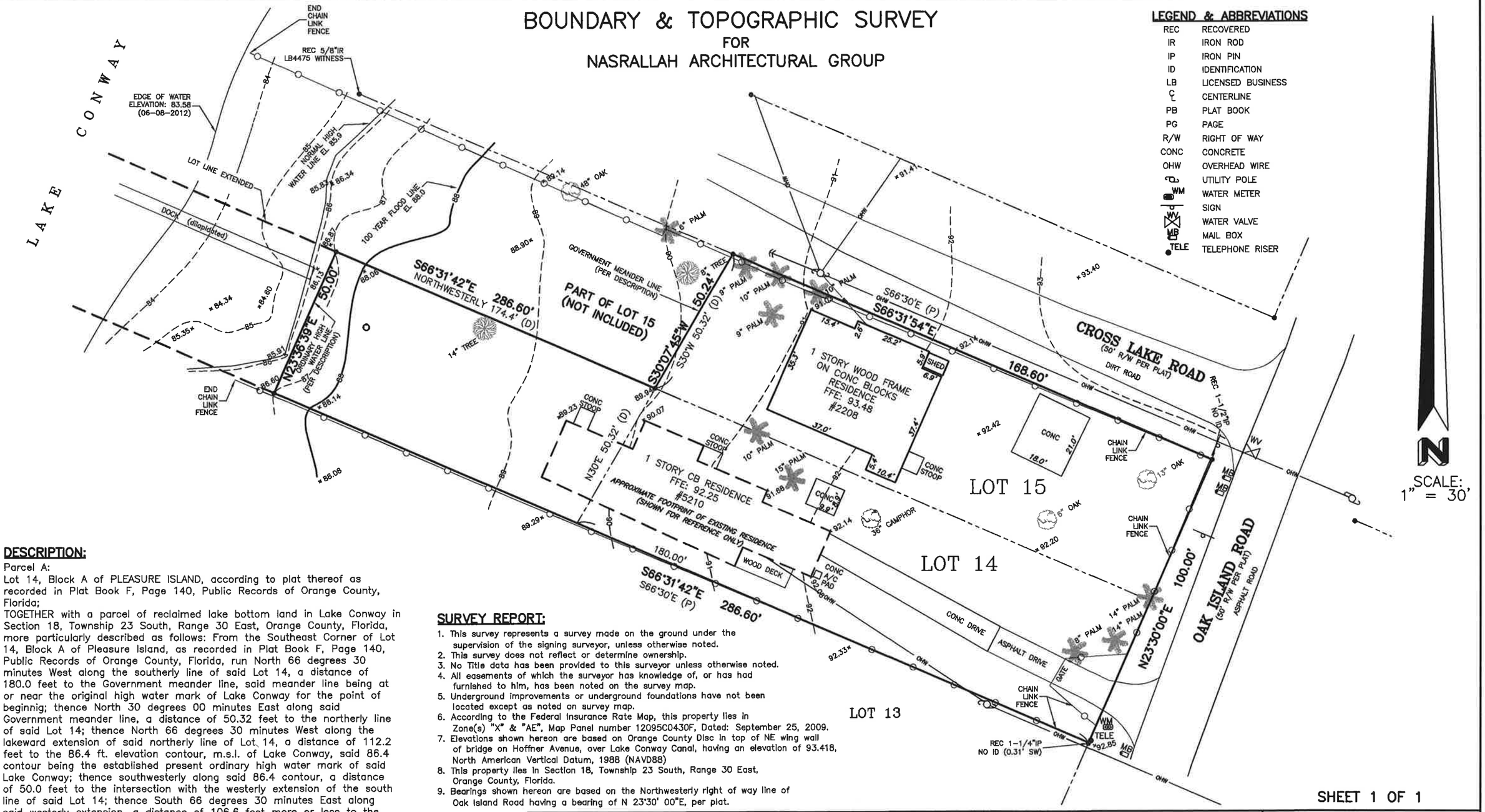
AMERICAN BUILDERS SUPPLY

Client: BRANNON CONSTRUCTION CO.
Project: WALKER RESIDENCE
Address: CUSTOM - 5210 OAK ISLAND ROAD
Lot #: Lot Subdivision

Order #	Sales Rep	Designer	Date
730000	SG	GDI-NL	08/11/2015

Order Folder

BOUNDARY & TOPOGRAPHIC SURVEY
FOR
NASRALLAH ARCHITECTURAL GROUP



LEGEND & ABBREVIATIONS

REC	RECOVERED
IR	IRON ROD
IP	IRON PIN
ID	IDENTIFICATION
LB	LICENSED BUSINESS
℄	CENTERLINE
PB	PLAT BOOK
PG	PAGE
R/W	RIGHT OF WAY
CONC	CONCRETE
OHW	OVERHEAD WIRE
	UTILITY POLE
WM	WATER METER
	SIGN
WV	WATER VALVE
MB	MAIL BOX
TELE	TELEPHONE RISER

DESCRIPTION:

Parcel A:
Lot 14, Block A of PLEASURE ISLAND, according to plat thereof as recorded in Plat Book F, Page 140, Public Records of Orange County, Florida;
TOGETHER with a parcel of reclaimed lake bottom land in Lake Conway in Section 18, Township 23 South, Range 30 East, Orange County, Florida, more particularly described as follows: From the Southeast Corner of Lot 14, Block A of Pleasure Island, as recorded in Plat Book F, Page 140, Public Records of Orange County, Florida, run North 66 degrees 30 minutes West along the southerly line of said Lot 14, a distance of 180.0 feet to the Government meander line, said meander line being at or near the original high water mark of Lake Conway for the point of beginnig; thence North 30 degrees 00 minutes East along said Government meander line, a distance of 50.32 feet to the northerly line of said Lot 14; thence North 66 degrees 30 minutes West along the lakeward extension of said northerly line of Lot 14, a distance of 112.2 feet to the 86.4 ft. elevation contour, m.s.l. of Lake Conway, said 86.4 contour being the established present ordinary high water mark of said Lake Conway; thence southwesterly along said 86.4 contour, a distance of 50.0 feet to the intersection with the westerly extension of the south line of said Lot 14; thence South 66 degrees 30 minutes East along said westerly extension, a distance of 106.6 feet more or less to the Point of Beginning.

Parcel B:
Lot 15, Block A, Pleasure Island, a subdivision according to the plat thereof as recorded at Plat Book F, Page 140, in the Public Records of Orange County, Florida; LESS the Government Meander Line (Begin at the Northeast line of Lot, run 168.6 feet Northwest of Northeast corner; run South 30 degrees West, 50.32 feet to point of South line, 174.4 feet Northwesterly from Southeast corner of Lot).

SURVEY REPORT:

1. This survey represents a survey made on the ground under the supervision of the signing surveyor, unless otherwise noted.
2. This survey does not reflect or determine ownership.
3. No Title data has been provided to this surveyor unless otherwise noted.
4. All easements of which the surveyor has knowledge of, or has had furnished to him, has been noted on the survey map.
5. Underground improvements or underground foundations have not been located except as noted on survey map.
6. According to the Federal Insurance Rate Map, this property lies in Zone(s) "X" & "AE", Map Panel number 12095C0430F, Dated: September 25, 2009.
7. Elevations shown hereon are based on Orange County Disc in top of NE wing wall of bridge on Hoffner Avenue, over Lake Conway Canal, having an elevation of 93.418, North American Vertical Datum, 1988 (NAVD88)
8. This property lies in Section 18, Township 23 South, Range 30 East, Orange County, Florida.
9. Bearings shown hereon are based on the Northwesterly right of way line of Oak Island Road having a bearing of N 23°30' 00"E, per plat.

SHEET 1 OF 1

REVISIONS

Rev._____ Date:_____
Rev._____ Date:_____
Rev._____ Date:_____
Rev._____ Date:_____

HENRICH-LUKE & SWAGGERTY, LLC
surveyors & mappers
165 Middle Street
Suite 1101
Lake Mary, Florida 32746
(407) 647-7346
FAX (407) 647-8097
Licensed Business No. 7276

Job No:	E-8426
Field Date:	06-08-2012
Drawn By:	MJR
Field By:	WKP/ME
Scale:	1" = 30'

Mark I. Luke
Professional Surveyor & Mapper
Florida Registration #5006

FILE: 57-12M

I:\Pleasure Island\dwg\Lots 14 - 15 3210 Oak Island Rd.dwg

Guest Bath

Master Bath

Kitchen

Pool Bath

Mud Room

Sommer Kitchen

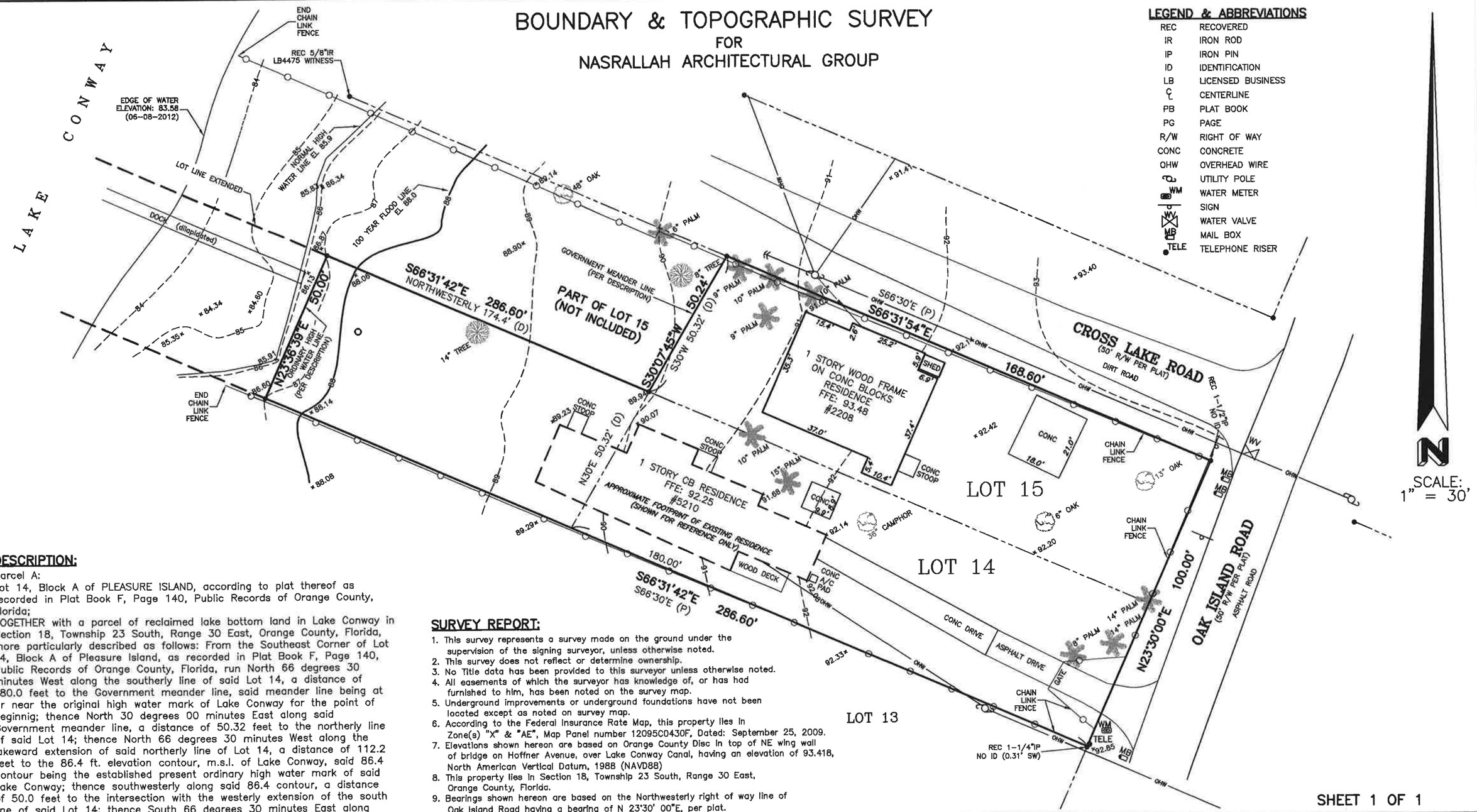
Fun Room Bath

Fun Room Clk

Reviewed for Code Compliance
Universal Engineering Sciences

Brannon Construction
Walker Residence
5201 Oak Isle Dr.
Belle Isle 32809

BOUNDARY & TOPOGRAPHIC SURVEY
FOR
NASRALLAH ARCHITECTURAL GROUP



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Parcel B:
Lot 15, Block A, Pleasure Island, a subdivision according to the plat thereof as recorded at Plat Book F, Page 140, in the Public Records of Orange County, Florida; LESS the Government Meander Line (Begin at the Northeast line of Lot, run 168.6 feet Northwest of Northeast corner; run South 30 degrees West, 50.32 feet to point of South line, 174.4 feet Northwesterly from Southeast corner of Lot).

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9. Bearings shown hereon are based on the Northwesterly right of way line of Oak Island Road having a bearing of N 23°30' 00"E, per plat.

SHEET 1 OF 1

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Y:\Pleasure Island\dwg\Lots 14 - 15 5210 Oak Island Rd.dwg