CITY OF NEW YORK DEPARTMENT OF BUILDINGS

Pursuant to Administrative Code Section 27-131, the following equipment of material has been found acceptable for use in accordance with the Report of the Material and Equipment Acceptance (MEA) division.

Patricia J. Lancaster, AIA., Commissioner

MEA 262-03-E

Report of Material and Equipment Acceptance Division

Manufacturer - SpaceJoist TE, 1101 N. Great Southwest Parkway. Arlington, TX 76011.

Trade Name-SpaceJoist TE TM.

Product-Trimmable Parallel Chord Trusses.

Pertinent Code Section(s) – 27-617 through 27-624.

Tests – ASTM D-5055; I-joist end capacity and failure mode with a variety of different end trimmed conditions. Performed in accordance with ASTM D 5055 Section 6.3.3.1.

ER-1607; Metal Connector Plates Model 20, TW18 and TW16, Lateral Resistance, Tension Resistance, Shear Resistance, Metal Plate Reductions, Combined Shear and Tension, Combined Flexure and Axial Loading. Performed in accordance with National Design Standard for Metal Plate Connected Wood Truss Construction, ANSI/TPI 1-1995.

ER-3687; SpaceJoist Webs, Installation, Truss Fabrication, Truss Design, and Identification. Performed in accordance with TPI QST-85.

- Laboratory PFS, 2402 Daniels Street, Madison, WI 53718. ICC Evaluation Service, Inc., 5360 Workman Mill Road, Whittier, California 90601.
- Design Properties and Allowable Floor Spans certified by Gary T. Obudzinski P.E., New York State License Number 080381.
- Test Reports PFS TEST REPORT # 02-92, I-joist End Qualification Tests SpaceJoist TE 14-320/420. SpaceJoist TE 16-320/420. ICC Evaluation Test Report ER-1607, Metal Connector Plate SpaceJoist Models #20, TW18 and TW 16. ICC Evaluation Test Report ER-3687 SpaceJoist Webs Installation and Design.

Description- SpaceJoist TE 320 and 420 series are Prefabricated Trimmable Parallel Chord Floor Trusses. Each truss is manufactured with an I-joist end, in accordance with ASTM D5055 and is trimmable by 12 inches on each end of the truss. The flange or chord material consists of 3x2 inch or 4x2 inch MSR (machine stress rated) PSF (pine, spruce, or fur lumber). The Patented SpaceJoist Metal webs are installed in pairs and are installed in accordance to ANSI/TPI 1-1995 referenced in "ICC's International Building Code 2000" Section 2303.4. The SpaceJoist Metal webs are 20-gage ASTM A 653 Grade 37 structural quality steel with a hot-dipped galvanized zinc coating designated G60. The OSB web material is structural OSB stamped with APA certification and Exposure 1 designation and has a thickness of 15/32" and are stamped with the 32/16 span rating and is manufactured in accordance with PS2-92 or PRP-108 specification. The top and bottom flanges are parallel forming a constant depth joist with a camber of 1/8" per ten feet. This product has been tested and assigned design values for use in structural applications.

The glue used in the manufacturing process of SpaceJoist TE is Borden Cascophen LT-5210D with hardeners Cascoset FM-7340 or FM-7400 and they are defined as thermosetting. This means that, in addition to passing a stringent Durability Standard called ASTM D 2559, once they are cured to a hard substance during the manufacturing process, they do not soften or relax when subsequently exposed to elevated temperatures. words, the wood will burn at temperatures much lower than the char-point of Borden Cascophen LT-5210D with hardeners Cascoset FM-7340 or FM-7400. It is also pertinent to note that phenol, resorcinol, formaldehyde adhesives such as LT-5210D with FM-7340 or FM-7400 do not lower the combustion point of wood composites or increase the amount of smoke produced as a consequence of such combustion. One final point: burned, charred, or ashed PRF adhesive releases the same combustion byproducts as wood itself. There is no toxicity associated with charring, burning, or ashing of Borden Cascophen LT-5210D with hardeners Cascoset FM-7340 or FM-7400.

Recommendation- That the above SpaceJoist TE Joists be accepted on condition that all uses, locations and installations shall comply with the applicable requirements of New York City Building Code and Technical Policy and Procedure Notice #8, 1992 (attached), TPPN #2, 2000 dated July 24, 2000 (attached) and on further condition that:

1. All provisions of TPPN #8, 1992 and TPPN #2, 2000 for SpaceJoist TE Joists that are applicable shall be complied with.

2. Structure designs using the SpaceJoist TE Joists shall conform to the manufacturer's specifications except that appropriate design load(s), deflection, limitation(s) and other performance standards of the New York Building Code shall apply.

- 3. The glue used shall not delaminate using a fire.
- SpaceJoist TE Joists shall be used indoors.
- When stored out-of-doors, or exposed to wet weather conditions, during construction SpaceJoist TE Joists shall be inspected by the user for flange-web separation, swelling or warping and replaced if so damaged.
- 6. The size and location of any cutouts in the web of the joist shall not exceed the manufacturer's recommendations and shall be subject to controlled inspection.
- 7. The SpaceJoist TE Joist flanges may not be cut, notched or bored.
- 8. Fire-stopping shall be provided between the ceiling and the floor or roof above and shall be divided into approximately equal areas not greater the 500 square feet.
- 9. The building permit applicant shall notify the Fire Department of the proposed installation of SpaceJoist TE Joists prior to the Building Department issuance of a construction permit. Evidence of such notification shall be a certifying statement submitted on form TR-1, Technical Report, reading as follows:

I hereby state that I have mailed a copy of the statement to the Fire Department, Bureau of Fire Prevention, Technology Management Unit, as notification of the proposed installation of Parallel Chord Floor Trusses at this location.

This statement shall be placed on the reverse side of the form in the lower right-hand box.

The copy of the completed form TR-1 shall be mailed to the new address at:

Chief-In-Charge of the Bureau of Fire Prevention Fire Department Bureau of Fire Prevention Technology Management Unit 9 MetroTech Center Brooklyn, NewYork11201-3857.

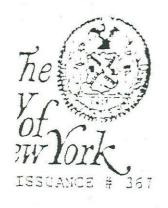
All Shipments and deliveries of SpaceJoist TE Joists shall be provided with a permanent marking suitably placed, certifying that the materials shipped or delivered is equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance

Examined by

MEA 262-03-E

3 of 51 pages



DEPARTMENT OF BUILDINGS

EXECUTIVE OFFICES 60 HUDSON STREET, NEW YORK, N.Y. 19013

REDOUGH & RINAL DE Commissioner

112-8300

RICHARD C. VISCONTI, A.I.A. Assistant Commissioner Technical Alfairs

TECHNICAL POLICY AND PROCEDURE NOTICE # 8/92

T'O:

Distribution

FROM:

Richard C. Visconti, A.I.A. / MMMM / DMM

DATE: August 19, 1992

SUBJECT: Laminated Wood "I" Beams

PURPOSE: To interpret the requirements of the Administrative Code, Sections 27-617 and 27-620, pertaining to firestopping requirements per RS 10-8 and Inspection of Methods of Construction per Table 10-2 for laminated wood "I" beams used in fire resistance rated floor/roof-ceiling assemblies.

To establish a new administrative procedure for applicant notification to the Fire Department of proposed use of laminated wood "I" beams.

SPECIFICS:

1. Firestopping

Reference Standard RS 10-8, Section 9.2.1 - General Requirements for Firestopping states that, "the space between the ceiling and the floor or roof above shall be divided by providing firestopping where ceilings are suspended below solid joists or suspended from or attached directly to the bottom of open wood floor trusses in buildings of combustible construction."

The Department now interprets the requirement to comply with the firestopping provisions of Section 9.2.1 et seg. to include laminated wood "I" beam assemblies. Therefore, the space between the ceiling and the floor or roof above shall be divided into approximately equal - than son equara feet.

PAGE 2

Firestopping is subject to controlled inspection pursuant to Section 27-345.

2. Inspection of Methods of Construction

Table 10-2 - Operations on Structural Elements that shall be Subject to Controlled Inspection, lists the "Fabrication of glue-laminated assemblies and of plywood components."

The Department now interprets the requirement to comply with the controlled inspection provision of Table 10-2 to include laminated wood "I" beams. Therefore, the cutting of openings for ducts, pipes, conduit, etc. in laminated wood "I" beams shall be considered fabrication and, therefore, subject to controlled inspection.

3. Notification

The applicant shall be required to notify the Fire Department of the proposed installation of laminated wood "I" beams prior to the Department issuing a construction permit. Evidence of such notification shall be a certifying statement submitted on Form TR-1, Technical Report, reading as follows:

I hereby state that I have mailed a copy of this statement to the Fire Department, Bureau of Fire Prevention, Technology Management Unit, as notification of the proposed installation of laminated wood "I" beams at this location.

This statement shall be placed on the reverse side of the form in the lower right-hand box.

The copy of the completed Form TR-1 shall be mailed to:

Chief-in-Charge of the Bureau of Fire Prevention Fire Department .
Bureau of Fire Prevention Technology Management Unit 250 Livingston Street Brooklyn, NY 11201-5884

cc: Chief John Hodgens



DEPARTMENT OF BUILDINGS

EXECUTIVE OFFICES 61 HUDSON STREET, NEW YORK, N.Y. 10011-1194 RICHARD C. MISCONTI, R.A., Acting Commissioner Website: nyclink.org/buildings

(212) 312-3000 TTY (212) 312-3133

SATISH K. BABBAR, R.A. Auting Deputy Commissioner Technical Affair (212) 312-8324 Fax (212) 312-3319

TECHNICAL POLICY AND PROCEDURE NOTICE #2/00

TO:

Distribution

FROM

Satish K. Babbar, R

DATE:

July 24, 2000

SUBJECT:

Semi-Controlled Inspection for Structural Light Gage Cold-Formed Steel.

Plate Connected Wood Floor Trusses and Laminated Wood "I" Beams

EFFECTIVE:

Immediately

SUPERCEDES:

Brooklyn Borough Memorandum by Borough Superintendent George

E. Berger dated August 11, 1983.

BACKGROUND: There have been several structural failures involving lightweight floor construction. Professional inspection is needed during construction of buildings and other structures utilizing it in order to insure that the delivered members are not damaged or defective, the installation is

proper and safeguards are taken to prevent failure.

PURPOSE:

To set forth the requirements for the semi-controlled inspection of the construction, including size, quality, framing, erection and both temporary and permanent bracing of light gage cold-formed steel structural members, plate connected wood floor trusses and laminated

wood "I" beams.

REFERENCE:

Section 27-132(b) of the Administrative Code.

SPECIFICS:

REQUIREMENTS: The plans submitted for approval/ acceptance/professional certification showing these members shall be complete including member sizes, positions, locations, permanent and temperary bracing, fisteners (location, type and spacing), stiffeners, connections, etc., as needed for the proper erection of the structure.

The construction of all light gage cold-formed steel structural members, plate connected wood floor trusses and laminated wood "I" beams shall be subject to semi-controlled inspection for size, quality, framing, erection and both temporary and permanent bracing, as set forth below.

Size Profiles used structurally shall conform to the specified dimension. Care shall be taken not to stretch, bend, or otherwise distort parts of the sections unless such forming is in the integral part of the design.

Quality All materials shall be clean, straight, and undamaged. Damaged members shall be discarded. Only BSA/MEA approved laminated wood "I" beams shall be used. Glue shall completely bend all laminated wood "I" beam surfaces being joined. Quality Control for the erection of all members shall be under the supervision of the professional designated to perform the semi-controlled inspection.

Framing Components may be cut by slitting, shearing, sawing, or flame cutting, as appropriate, in accordance with manufacturers' instructions and the design drawings. All punched holes and sheared or flame, cut edges of material in members subject to calculated stress shall be clean and free from notches and burred edges. The approved accepted/professionally certified drawings shall be adhered to regarding member dimensions, locations, positions, beam separators, bearing surfaces and fasteners, including shear connectors, plate connectors, screws, bolts and welds, as applicable.

Erection Care shall be taken to avoid damage to members when erecting, loading, unloading and otherwise handling them.

Temporary bracing, shoring, jacks, etc. shall not be Bracing removed until the registered architect or professional engineer determines that they are no longer needed. Permanent bracing, web stiffeners, bridging, wind bracing, etc. shall be installed according to the approved accepted professionally certified drawings.

INSPECTIONS AND REPORT TO BE SUBMITTED: These inspections are to be performed by, or under the direct supervision of, licensed professional engineers or registered architects, who shall submit form(s) TR-1 indicating the following: "Semi-controlled inspection of light gauge cold-formed steel structural members, plate connected wood floor trusses or laminated wood "I" beams (as . applicable) per-TPPN #2/00".

SKB:NJG:ng

> Truss ID: TE10-04

LOADING, PSF

DEFLECTION

24" o.c.

19.2" o.c.

16" o.c. 16'-1"

12" o.c.

17'-9" 18'-0"

SPACING

40-10-5

40-20-5

L/480 L/360 L/480 RATIO

13'-7" 15'-8" 14'-3"

14'-9" 16'-3"

> 16'-0" 17'-9"

17'-9"

17'-9"

18'-0"

9 of 51 pages

16'-7" 14'-10"

L/360

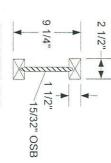
13'-7"

Drwg: TX03014021-001

9 1/4" SPACEJOIST TE MAXIMUM SPANS

QGNR-1F

BOTTOM CHORD LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 TOP CHORD 3X2 SPF CAN. 1650F-1.5E CAN. 1650F-1.5E

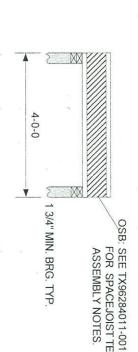


END DETAIL TYP.

THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES







Arlington, Texas 76011

1101 North Great Southwest Parkway

Read all notes on this sheet and give a copy of it to the Erecting Contractor.

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has WARNING Chk: Dsgnr: DL



MEA 262-03-E

TC Dead See Span Table 40 psf SpaceJoist TE DurFacs: L= 1.00 P= 1.00 Customer Name:

TC Live

0 psf psf Design Spec: TPI Spacing: See Span Table Rep Mbr Bnd: 1.15

TOTAL See Span Table

BC Dead BC Live

fruss ID: TE10-06N

Drwg: TX03014021-002

9 1/4" SPACEJOIST TE MAXIMUM SPANS

LOADING

DEFLECTION

RATIO

24" o.c. 14'-3"

19.2" o.c. 14'-10"

16" o.c.

12" o.c.

SPACING

40-10-5

L/480 L/360

40-20-5

L/480

13'-7" 15'-8"

14'-9" 16'-7"

17'-9" 18'-0" 17'-9"

17'-9"

16'-1"

13'-7"

16'-3"

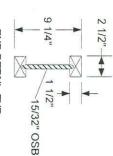
17'-9" 16'-0"

10 of 51 pages

L/360

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 BOTTOM CHORD TOP CHORD 3X2 SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E



END DETAIL TYP



THIS TRUSS IS TRIMMABLE

FROM EACH END OF THIS TRUSS

UP TO 18" MAY BE FIELD-TRIMMED

1-6-0 MAXIMUM TRIM TYP 2-6-0 TYP ASSEMBLY AND GENERAL NOTES V2-10 SPACEJOIST METAL WEB DILHR APPROVAL #200025-W

SEE TX96284011-001 FOR SPACEJOIST TE

1 3/4" MIN. BRG. TYP ASSEMBLY NOTES

OSB: SEE TX96284011-001 FOR SPACEJOIST TE

OF NEW

MEA 262-03-E

6-0-0

POFESSIONAL

DATE: 01/14/03

Designed by Truswal Systems

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION WARNING



Arlington, Texas 76011

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.

1101 North Great Southwest Parkway

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environmen laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall asc been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dime Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in a utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes This design is for an individual building component, not a truss system. It has been based on specifications provided by the component m Read all notes on this sheet and give a copy of it to the Erecting Con BC Dead TOTAL See Span Table Design Spec: TPI

s that the top chord is d, unless otherwise at that will cause the scoordance with the the Connected Wood BC Dead	tractor. Chk: manufacturer and has ensional accuracy. certain that the loads
See Spa	Chk: Dsgnr: DL
40 psf 1 Table 0 psf 5 psf	60 0
40 psf DurFacs: L=1.00 P=1.00 n Table Rep Mbr Bnd: 1.15 5 psf Spacing: See Span Table	Customer Name: SpaceJoist TE

5 psf

russ Ö TE10-08N

LOADING, PSF

DEFLECTION

24" o.c.

19.2" o.c. 14'-10" 16'- 7"

16" o.c.

12" o.c.

16'-1"

SPACING

40-10-5

L/480 RATIO

40-20-5

L/480 L/360

13'-7" 15'-8" 14'-3"

L/360

13'-7"

16'-3" 14'-9"

17'-9" 16'-0" 17'-9"

17'-9" 18'-0"

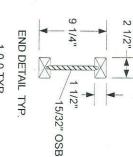
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18'-0" 17'-9" Drwg: TX03014021-003

9 1/4" SPACEJOIST TE MAXIMUM SPANS

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 **BOTTOM CHORD** TOP CHORD 3X2 3X2 SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E

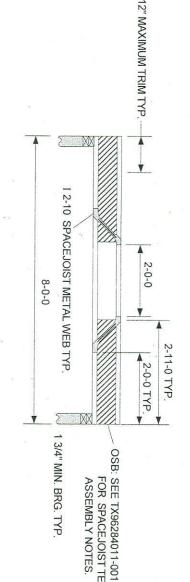


1-0-0 TYP.

THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



No. 08038

OF NEW

MEA 262-03-E

(,OBUO)

Designed by Truswal Systems DATE: 01/14/03

TC Dead Dsgnr: DL Chk: TC Live See Span Table 40 psf SpaceJoist TE Rep Mbr Bnd: 1.15 DurFacs: L= 1.00 P= 1.00 Customer Name:

TOTAL See Span Table BC Live BC Dead 5 psf 0 psf Spacing: See Span Table Design Spec: TPI

Trimmable End noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

1101 North Great Southwest Parkway

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the

russes (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American

orest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036

Arlington, Texas 76011

Read all notes on this sheet and give a copy of it to the Erecting Contractor.

This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has WARNING

Truss ID: TE10-10N

LOADING, PSF

DEFLECTION

RATIO

24" o.c. 14'-3"

19.2" o.c.

16" o.c.

12

0.C.

SPACING

14'-10" 16'-7"

16'-1"

40-10-5

L/360 L/480

L/480

13'-7" 15'-8"

14'-9"

16'-0" 17'-9"

17'-9" 18'-0" 17'-9"

L/360

13'-7"

16:-3

17'-9"

18'-0"

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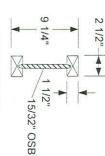
40-20-5

Drwg: TX03014021-004

9 1/4" SPACEJOIST TE MAXIMUM SPANS

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 BOTTOM CHORD TOP CHORD 3X2 SPF CAN. 1650F-1.5E CAN. 1650F-1.5E



END DETAIL TYP.

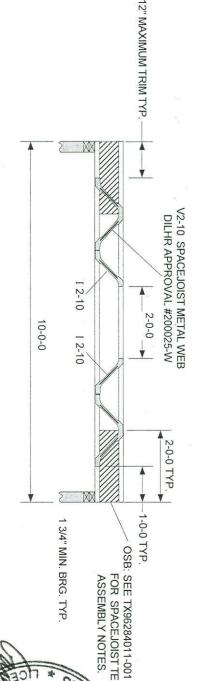


THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE

ASSEMBLY AND GENERAL NOTES



OF NEW

MEA 262-03-E

OBUOZI

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION



Arlington, Texas 76011

1101 North Great Southwest Parkway

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems, Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause con noted. Bracing shown is for lateral support of individual compo laterally braced by the roof or floor sheathing and that the bott utilized on this design meet or exceed the loading imposed by Dimensions are to be verified by the component manufacturer been completed in accordance with the current versions of orest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American This design is for an individual building component, not a truss Read all notes on this sheet and give a copy of it to the Erecting Contractor.

ss system. It has been based on specifications provided by the component manufacturer and has	13.00 (AMTS 2007	SpaceJoist TE
f TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dsgnr: DL	Dsgnr: DL	
er and/or building designer prior to fabrication. The building designer shall ascertain that the loads		
y the local building codeand the particular application. This design assumes that the top chord is TC Live 40 psf	TC Live 40 psf	D.::E222: 1 = 1 00 B= 1 00
ttom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise	TO Dood Soo Smoot Table	Durracs: L= 1.00 P= 1.00
ponent members only. This component shall not be placed in any environment that will cause the	I Dead See Spall Table	Ren Mbr Bnd: 1.15
innector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the	BC Live 0 psf	
MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood	BC Dead 5 psf	5 psf Spacing: See Span Table

BC Dead

psf

TOTAL See Span Table

Design Spec:

Chk: Dsgnr: DL		SpaceJoist TE
TC Live	TC Live 40 psf TC Dead See Span Table	40 psf DurFacs: L= 1.00 P= 1.00
Dead of	See Span Table	Rep Mbr Bnd: 1.15

POFESSIONE

VO. 0803

Designed by Truswal Systems

fruss ID: TE14-04

LOADING, PSF

DEFLECTION RATIO

24" o.c.

19.2" o.c.

16" o.c.

12" o.c.

SPACING

21'-5"

40-20-5

L/360

16'-0"

20'-0" 20'-0" 22'- 7"

24'-0" 24'-0"

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16'-0" 20'- 1" 20'- 1"

22'-8" 22'-8"

24'-0" 22'-9"

24'-0" 24'- 0"

40-10-5

L/360 L/480

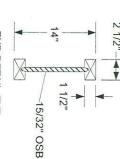
L/480

Drwg: TX03014021-019

14" SPACEJOIST TE MAXIMUM SPANS

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 **BOTTOM CHORD** TOP CHORD 3X2 SPF CAN. 1650F-1.5E CAN. 1650F-1.5E



END DETAIL TYP.

THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE

ASSEMBLY AND GENERAL NOTES

4-0-0 1 3/4" MIN. BRG. TYP OSB: SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY NOTES

ON THE SENON PL T. OBUD. Vo. 08038

OF NEW

MEA 262-03-E

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

Spaceloist Trimmable End

Arlington, Texas 76011

1101 North Great Southwest Parkway

WARNING

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the orest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036 Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American aterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise ufilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has Read all notes on this sheet and give a copy of it to the Erecting Contractor. Chk: TC Dead Dsgnr: DL BC Dead BC Live **TOTAL See Span Table** TC Live See Span Table 40 psf 0 psf G psf Design Spec:

DATE: 01/14/03 Designed by Truswal Systems

Spacing: See Span Table DurFacs: L= 1.00 P= 1.00 Rep Mbr Bnd: 1.15 SpaceJoist TE Customer Name:

ΤPI

Truss ID: TE10-12N

LOADING

DEFLECTION

24" o.c.

19.2" o.c.

16" o.c.

12" o.c.

SPACING

40-10-5

40-20-5

L/480 L/360 L/480 RATIO

13'-7" 15'-8" 14'-3"

14'-9" 16'-3"

16'-7" 14'-10"

17'-9" 16'-1"

L/360

13'-7"

17'-9" 16'-0"

18'-0" 17'-9" 18'-0" 17'-9"

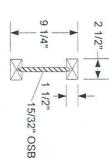
13 of 51 pages

Drwg: TX03016007-005

9 1/4" SPACEJOIST TE MAXIMUM SPANS

QGNR-1F

BOTTOM CHORD 3X2 SPF CAN. 1650F-1.5I LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 TOP CHORD 3X2 SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E



END DETAIL TYP

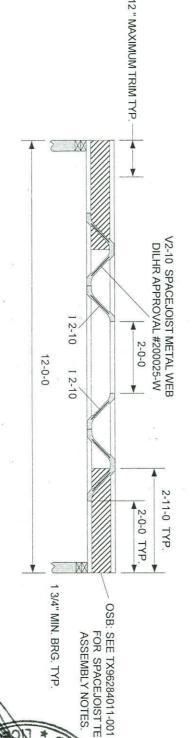


THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE

ASSEMBLY AND GENERAL NOTES



ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION



Arlington, Texas 76011

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.

1101 North Great Southwest Parkway

Trusses (HIB-91 and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Habricate, handle, install, and brace this truss in a noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environme Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall associate the component manufacturer and/or building designer prior to fabrication. been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dime utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes This design is for an individual building component, not a truss system. It has been based on specifications provided by the component many the second of the component of the component many that is the component of the component many that is the component of th aterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached WARNING Read all notes on this sheet and give a copy of it to the Erecting Con

Customer Name: Dsgnr: DL TC Live 40 psf DurFacs: L= 1.00 P= 1.00 TC Dead See Span Table Ren Mhr Rnd: 1 15
SpaceJoist TE 40 psf DurFacs: L= 1.00 ee Span Table Ren Mhr Rnd: 1
Customer Name: SpaceJoist TE SpaceJoist TE DurFacs: L= 1.00 Ren Mhr Rnd: 1

. 6.5

DATE DILLEGOS

A OBUDAN OF NEW

262-03-E

MEA

Designed by Truswal Systems

TOTAL See Span Table

Design Spec: TPI

Spacing: See Span Table

BC Dead

5 psf

Truss ID: TE10-14N

LOADING,

DEFLECTION

RATIO

24" o.c.

19.2" o.c.

16" o.c.

12" o.c.

SPACING

14'-10"

16'-7"

17'-9" 16'-1"

18'-0" 17'-9" 9 1/4" SPACEJOIST TE MAXIMUM SPANS

Drwg: TX03014021-006

QGNR-1F

40-20-5

L/480 L/360 L/480

13'-7" 15'-8" 14'-3"

14'-9"

L/360

13'-7"

16'-3"

17'-9" 16'-0"

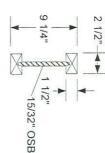
18'-0"

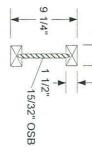
14 of 51 pages

17'-9"

40-10-5

BOTTOM CHORD LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 TOP CHORD 3X2 SPF CAN. 2100F-1.8E CAN. 2100F-1.8E





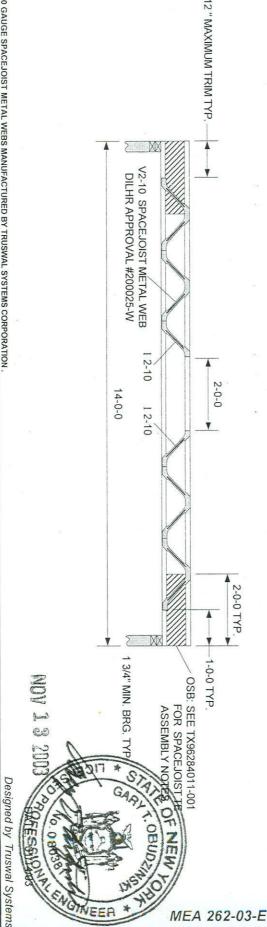
END DETAIL TYP



THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION



Arlington, Texas 76011 l 101 North Great Southwest Parkway

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord i Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the load been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and ha Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American

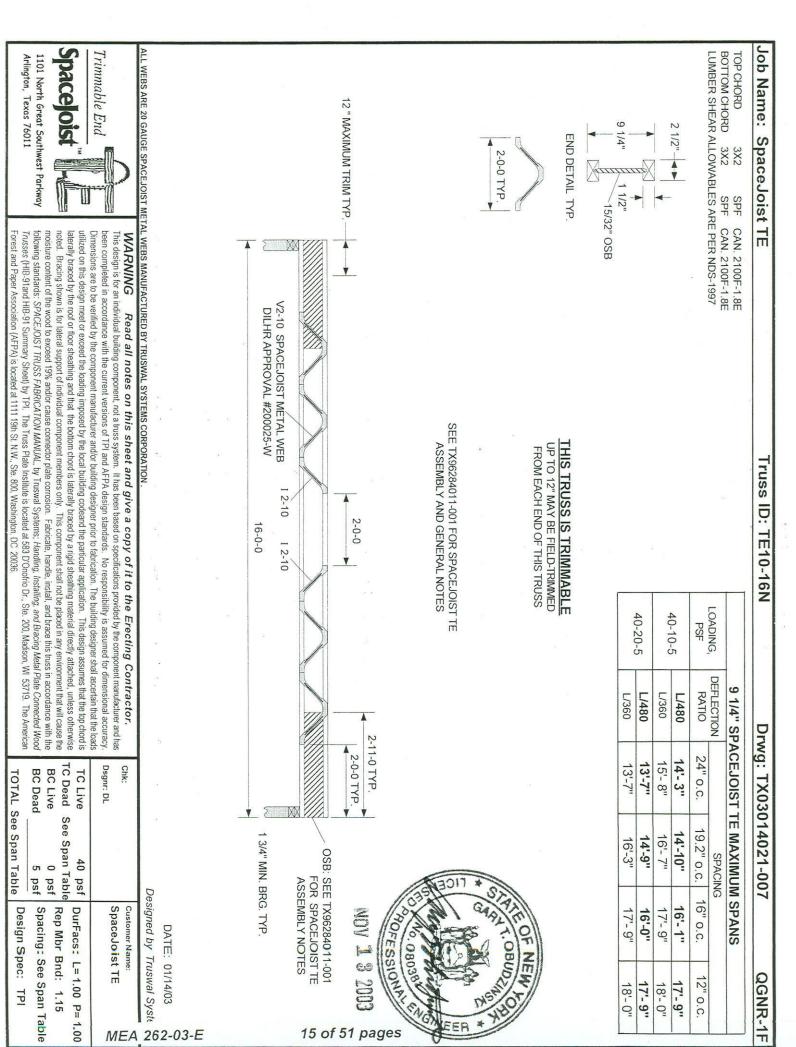
Chk: Dsgnr: DL	v.	SpaceJoist TE
Dsgnr: DL		
TC Live	40 psf	DurFacs: L= 1.00 P= 1.00
TC Dead	See Span Table	Box Mbr Bad. 115
BC Live	0 psf	Neb Mbi Dild.
BC Dead	5 psf	5 psf Spacing: See SpanTable

BC Dead

psf

TOTAL See Span Table

Design Spec: TPI



Truss ID: TE10-18N

LOADING

DEFLECTION

RATIO

24" o.c. 14'-3" 15'-8" 13'-7" 13'-7"

19.2" o.c.

16" o.c.

12" o.c

SPACING

40-10-5

L/480 L/360

40-20-5

L/480

14'-9" 16'-7" 14'-10"

> 17'-9" 16'-1"

18'-0" 17'-9"

17'-9"

16'-3"

17'-9" 16'-0"

18'-0"

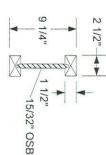
L/360

Drwg: TX03014021-008

9 1/4" SPACEJOIST TE MAXIMUM SPANS

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 **BOTTOM CHORD** TOP CHORD 3X2 SPF CAN. 2100F-1.8E SPF CAN. 2100F-1.8E



END DETAIL TYP



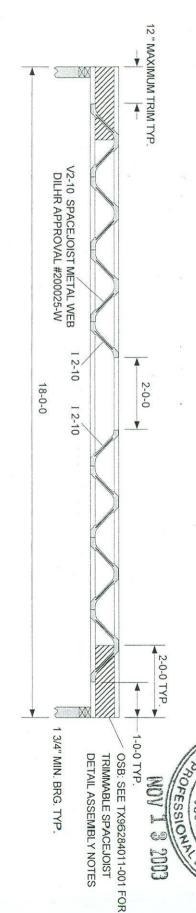
THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

OF NEW OBUD.

09038

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



DATE: 01/14/03

Designed by Truswal Systems

Space ois Trimmable End 1101 North Great Southwest Parkway

Arlington, Texas 76011

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

Read all notes on this sheet and give a copy of it to the Erecting Contractor.

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will caus Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accu Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless other utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top ch This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American WARNING

nd has	Chk:		Customer Name: SpaceJoist TE
loads	9		
ord is	TC Live	40 psf	40 psf DurFacs: L= 1.00 P= 1.00
TWISE	TC Dead See Span Table	Span Table	
th the	BC Live	0 psf	Rep Mibr bild: 1.15
Wood	BC Dead	5 psf	5 psf Spacing: See Span Table
-	2000		

BC Dead

5 psf

TOTAL See Span Table Design Spec:

Truss ID: TE12-04

LOADING

DEFLECTION

RATIO

24" o.c. 16'-10"

19.2" o.c. 18'- 3" 19'-11" 18'-0" 18'-0"

16" o.c.

21'-2"

22'-0" 21'- 2" 12" o.c.

21'-2" 22'-0"

19'- 2"

SPACING

11 1/4" SPACEJOIST TE MAXIMUM SPANS

40-10-5

L/360

L/480

L/480

L/360

14'-0" 14'-0" 17'-9"

20'-2" 19'-2"

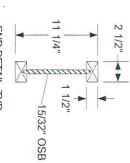
17 of 51 pages

40-20-5

Drwg: TX03014021-009

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 BOTTOM CHORD TOP CHORD 3X2 SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E

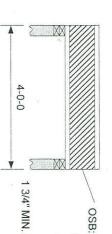


END DETAIL TYP.

THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



1 3/4" MIN. BRG. TYP OSB: SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY NOTES

T. OBUOT

OF NEW

MEA 262-03-E

DESIGNED BY TRUSWAL SYSTEMS

DATE: 01/14/03

ROFESSIONAL

0.08038

WARNING

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

Space oist Trimmable End Arlington, Texas 76011 1101 North Great Southwest Parkway

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. Trusses (HIB-91 and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American tollowing standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems: Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cau laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless othe utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top o Dimensions are to be verified by the component manulacturer and/or building designer prior to fabrication. The building designer shall ascertain that the been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional acc This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer ar Read all notes on this sheet and give a copy of it to the Erecting Contractor. **BC** Dead

hord is	nd has
erwise	uracy.
use the	e loads
TC Live	Chk:
TC Dead	Dsgnr: DL
40 psf See Span Table	
TC Live 40 psf DurFacs: L= 1.00 P= 1. TC Dead See Span Table Rep Mbr Bnd: 1.15	Customer Name: SpaceJoist TE

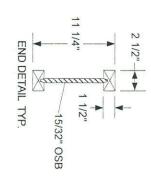
TOTAL See Span Table psf Spacing: See Span Table Design Spec: 8

Truss ID: TE12-06N

Drwg: TX03014021-010

QGNR-1F

BOTTOM CHORD 3X2 SPF CAN. 1650F-1.5I LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 TOP CHORD 3X2 SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E



	11 1/4" SF	ACEJOIST	11 1/4" SPACEJOIST TE MAXIMUM SPANS	M SPANS	
LOADING.	DEFLECTION		SPACING	ัด	
PSF	RATIO	24" o.c.	19.2" o.c. 16" o.c.	16" o.c.	12" o.c.
40 10 E	L/480	16'-10"	18'- 3"	19'- 2"	21'- 2"
10-0	L/360	17'- 9"	19'-11"	21'- 2"	22'- 0"
40-20-5	L/480	14'-0"	18'-0"	19'-2"	21'-2"
1	L/360	14'-0"	18'-0"	20'-2"	22'-0"

THIS TRUSS IS TRIMMABLE

UP TO 18" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

18 of 51 pages



SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES

1-6-0 MAXIMUM TRIM TYP. 2-6-0 TYP. 6-0-0 V2-12 SPACEJOIST METAL WEB DILHR APPROVAL #200025-W 1 3/4" MIN. BRG. TYP OSB: SEE TX96284011-001 FOR SPACEJOIST TE **ASSEMBLY NOTES**

262-03-E

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

Chk: TC Dead Dsgnr: DL TC Live 40 psf SpaceJoist TE Customer Name:

ROFESSIONE

DESIGNED BY TRUSWAL SYSTEMS

DATE: 01/14/03

TOTAL See Span Table BC Dead BC Live See Span Table 0 5 psf psf Design Spec: TPI Spacing: See Span Table Rep Mbr Bnd: 1.15 DurFacs: L= 1.00 P= 1.00

Trimmable Ena WARNING

Arlington, Texas 76011

1101 North Great Southwest Parkway following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has Read all notes on this sheet and give a copy of it to the Erecting Contractor.

Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.

russ ID: TE12-08N

LOADING,

DEFLECTION

24" o.c.

19.2" o.c.

16" o.c.

SPACING

11 1/4" SPACEJOIST TE MAXIMUM SPANS

Drwg: TX03014021-011

QGNR-1F

PSF

40-20-5

L/480 L/360 L/480 RATIO

14'-0" 17'-9" 16'-10"

19'-11" 18'-0"

21'-2"

22'- 0" 21'-2" 22'-0"

18'-3"

19'- 2"

21'-2" 12" o.c.

L/360

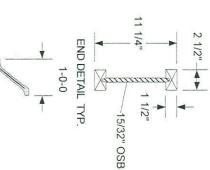
14'-0"

18'-0"

20'-2" 19'-2" 40-10-5

TOP CHORD

BOTTOM CHORD 3X2 SPF CAN. 1650F-1.5I LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 3X2 SPF CAN. 1650F-1.5E CAN. 1650F-1.5E



THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE

ASSEMBLY AND GENERAL NOTES

12" MAXIMUM TRIM TYP. I 2-12 SPACEJOIST METAL WEB TYP 2-0-0 8-0-0 2-11-0 TYP. 2-0-0 TYP. 1 3/4" MIN. BRG. TYP. OSB: SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY NOTES

T. OBUOTING

OF NEW

MEA 262-03-E

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION



Arlington, Texas 76011

1101 North Great Southwest Parkway

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contract

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036 moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that i laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unles utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimension: Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufact

s otherwise will cause the	tor. turer and has hal accuracy. that the loads
the top chord is so otherwise Will cause the will cause the BC Live 0 psf	Chk: Dsgnr: DL
40 psf DurFacs: L= 1.00 P= 1.00	Customer Namne: SpaceJoist TE

DESIGNED BY TRUSWAL SYSTEMS

DATE: 01/14/03

POFESSIONA

TOTAL See Span Table | Design Spec: TPI

5 psf

Spacing: See Span Table

BC Dead

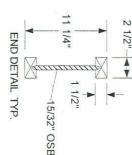
19 of 51 pages

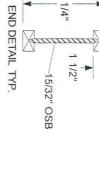
Truss ID: TE12-10N

Drwg: TX03014021-012

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 **BOTTOM CHORD** TOP CHORD 3X2 3X2 SPF CAN. 1650F-1.5E





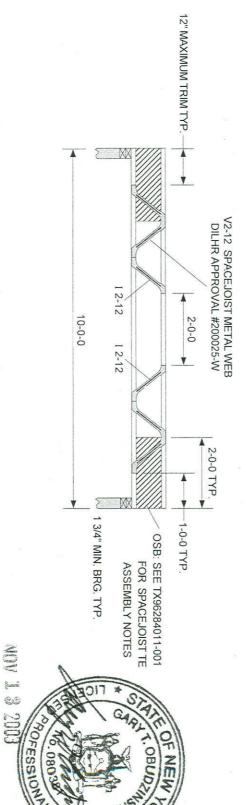


20 of 51 pages

LOADING 40-20-5 40-10-5 DEFLECTION 11 1/4" SPACEJOIST TE MAXIMUM SPANS L/480 L/360 L/480 L/360 24" o.c. 17'-9" 16'-10" 14'-0" 14'-0" 19.2" o.c. 18'-3" 19'-11" 18'-0" 18'-0" SPACING 16" o.c. 21'-2" 19'-2" 20'-2" 19'-2" 21'- 2" 22'- 0" 12" o.c 21'-2" 22'-0"

SEE TX96284011-001 FOR SPACEJOIST TE UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

ASSEMBLY AND GENERAL NOTES



OF NEW (OBUD)

MEA 262-03-E

Chk: Dsgnr: DL TC Live 40 psf DurFacs: L= 1.00 P= 1.00 SpaceJoist TE Customer Name:

05

DESIGNED BY TRUSWAL SYSTEMS

DATE: 01/14/03

TC Dead See Span Table BC Dead BC Live TOTAL See Span Table 0 psf psf

Design Spec: Spacing: See Span Table Rep Mbr Bnd: 1.15 TP

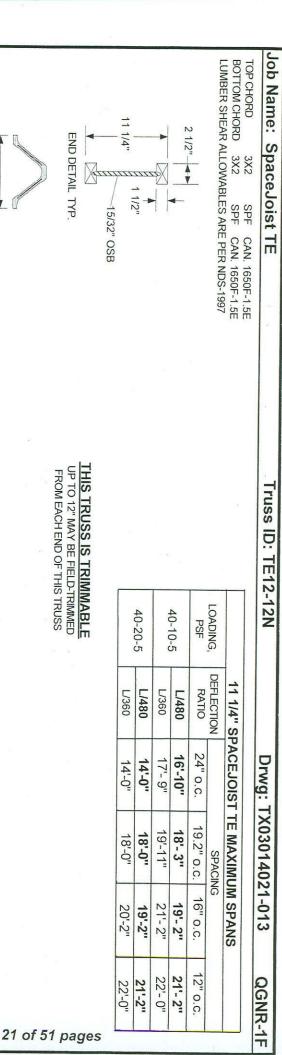
ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION.

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Trimmable Ena pace ois

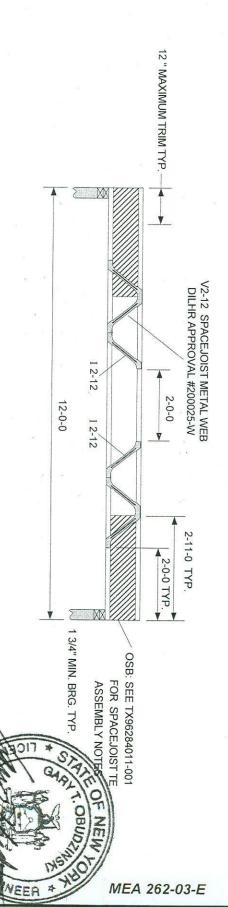
Arlington, Texas 76011 1101 North Great Southwest Parkway following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.



SEE TX96284011-001 FOR SPACEJOIST TE

ASSEMBLY AND GENERAL NOTES



ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION



Arlington, Texas 76011

1101 North Great Southwest Parkway

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contra

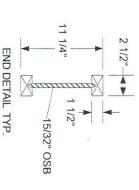
This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads utilized on this design meet or exceed the loading imposed by the local building designer prior to fabrication. This design assumes that the loads utilized on this design meet or exceed the loading imposed by the local building designer prior to fabrication. This design assumes that the top chord is laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause comnector plate corrosion. Fabricate, hand's, install, and brace this truss in accordance with the following standards: SPACE_JOIST TRUSS FABRICATION MANIUAL, by Truswal Systems; Hand'ing, Installing, and Bracing Metal Plate Connected Wood Trusses (HIB-91 and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Chofrio Dr., Ste. 200, Madison, WI 53719. The American Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.

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TOTAL See Span Table Design Spec:

Job Name: LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 BOTTOM CHORD TOP CHORD SpaceJoist TE 3X2 3X2 SPF CAN. 2100F-1.8E CAN. 2100F-1.8E Truss ID: TE12-14N DEFLECTION 11 1/4" SPACEJOIST TE MAXIMUM SPANS Drwg: TX03014021-014 SPACING QGNR-1F



LOADING, PSF 40-10-5 40-20-5 L/480 L/480 L/360 L/360 RATIO 24" o.c. 14'-0" 17'-9" 16'-10" 14'-0" 19.2" o.c. 18'-3" 19'-11" 18'-0" 18'-0" 16" o.c. 21'-2" 19'-2" 20'-2" 19'-2" 21'- 2" 12" o.c. 22'- 0" 21'-2" 22'-0"

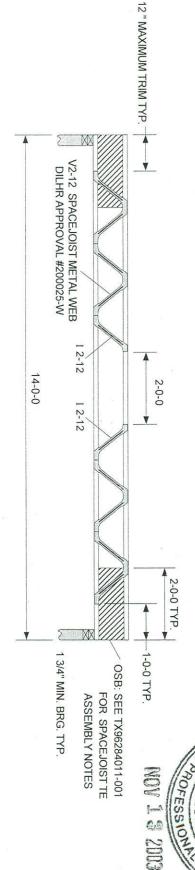


THIS TRUSS IS TRIMMABLE

OF NEW

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



22 of 51 pages

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

Trimmable End

Space Joist

Trimmable End

This design to be no condition of the condition

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1101 North Great Southwest Parkway

MADNING Bond all potentials this shock and give a convent

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. tollowing standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

TC Live TC Dead BC Live BC Dead	Chk: Dsgnr: DL
40 psf See Span Table 0 psf d 5 psf	
40 psf DurFacs: L= 1.00 P= 1.00 n Table Rep Mbr Bnd: 1.15 psf Spacing: See Span Table	Customer Name: SpaceJoist TE
P= 1.0 5 Table	ME

DESIGNED BY TRUSWAL SYS

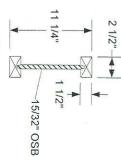
DATE: 01/14/03

262-03-E

TOTAL See Span Table | Design Spec:

TP

Job Name: SpaceJoist TE LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 BOTTOM CHORD 3X2 SPF CAN. 2100F-1.8E SPF CAN. 2100F-1.8E Truss ID: TE12-16N LOADING DEFLECTION 11 1/4" SPACEJOIST TE MAXIMUM SPANS RATIO 24" o.c. Drwg: TX03014021-015 19.2" o.c. SPACING QGNR-1F



END DETAIL TYP



THIS TRUSS IS TRIMMABLE

40-20-5

L/480 L/360 L/480

14'-0" 17'-9" 16'-10"

18'-0"

19'-2"

21'-2" 22'-0"

21'-2"

22'-0" 21'- 2" 12" o.c.

18'-3" 19'-11"

19'- 2"

16" o.c.

L/360

14'-0"

18'-0"

20'-2"

40-10-5

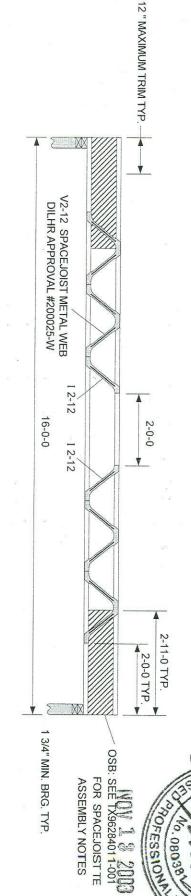
UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

OF NEW COBUD

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23 of 51 pages

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

Trimmable End

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> **NARNING** Read all notes on this sheet and give a copy of it to the Erecting Contractor.

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy Trusses (HIB-91 and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American orest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has

BC Dead 5 psf Table
TOTAL See Span Table Design Spec: TPI See Span Table 40 psf psf Rep Mbr Bnd: 1.15 DurFacs: L= 1.00 P= 1.00

TC Dead TC Live Dsgnr: DL Chk:

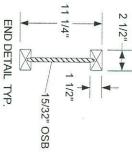
BC Dead

BC Live

BOTTOM CHORD LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 TOP CHORD 2 1/2" 3X2 SPF CAN. 2100F-1.8E CAN. 2100F-1.8E 11 1/4" SPACEJOIST TE MAXIMUM SPANS Drwg: TX03014021-016 QGNR-1F

Truss ID: TE12-18N

Job Name: SpaceJoist TE



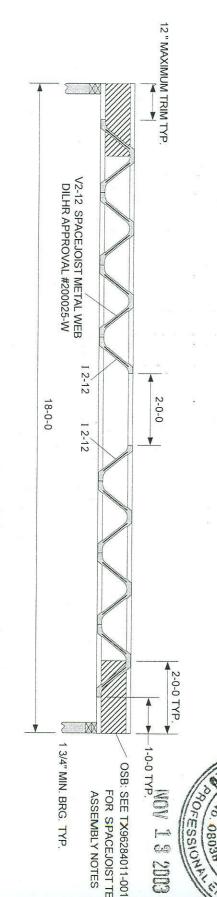
		100000	C. COLOCIO I L'INCOMICIA CI VINC	AL CLAIM	
LOADING.	DEFLECTION		SPACING	IG	
PSF	RATIO	24" o.c.	19.2" o.c. 16" o.c.	16" o.c.	12" o.c.
40-10-5	L/480	16'-10"	18'-3"	19'- 2"	21'- 2"
	L/360	17'- 9"	19'-11"	21'-2"	22'- 0"
40-20-5	L/480	14'-0"	18'-0"	19'-2"	21'-2"
	L/360	14'-0"	18'-0"	20'-2"	22'-0"



UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

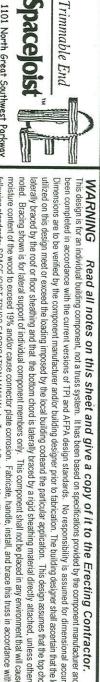
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SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

WARNING



1101 North Great Southwest Parkway Arlington, Texas 76011

Trusses (HIB-91and HIB-91 Summary Sheel) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The Amer Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.

Read all notes on this sheet and give a copy of it to the Erecting Contractor.

> Customer Name: DESIGNED BY TRUSWAL SYSTEMS

DATE: 01/14/03

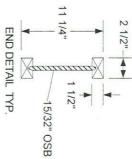
Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.	following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems, Handling, Installing, and Bracing Metal Plate Connected Wood Trusses (HIR-91 and HIR-91 Summary Shoet) by TPI The Truss Plate Institute is located at 533 DiOperio Pr. Str., 200 Mediana Will 57740, The American	noted. Bracing shown is for lateral support or individual component members only. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the	laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise	utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is	Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads	been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy.	This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has
Soil, Wi Sorts. The American	Metal Plate Connected Wood	environment that will cause the truss in accordance with the	y attached, unless otherwise	n assumes that the top chord is	er shall ascertain that the loads	ed for dimensional accuracy.	mponent manufacturer and has
TOTAL See Span Table Design Spec: TPI	BC Dead 5 psf			TC I ive 40 nef		Dsgnr: DL	CHR
Design Spec: TPI	5 psf Spacing: See Span Table	0 psf Rep Mbr Bnd: 1.15	See Span Table			Obacegoist	Space loist TE

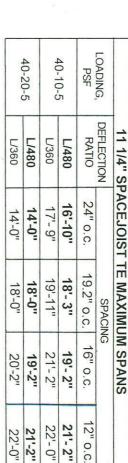
fruss ID: TE12-20N

Drwg: TX03014021-017

QGNR-1F

BOTTOM CHORD **LUMBER SHEAR ALLOWABLES ARE PER NDS-1997** TOP CHORD 3X2 SPF CAN. 2100F-1.8E SPF CAN. 2100F-1.8E



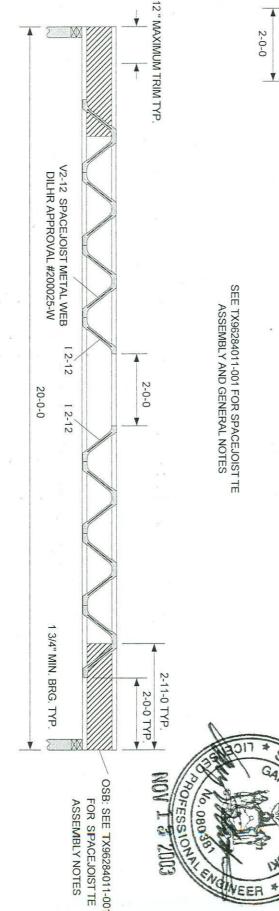




THIS TRUSS IS TRIMMABLE

OF NEW 2. OBUD

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS



ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION



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WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

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	TRUSWAL SYST

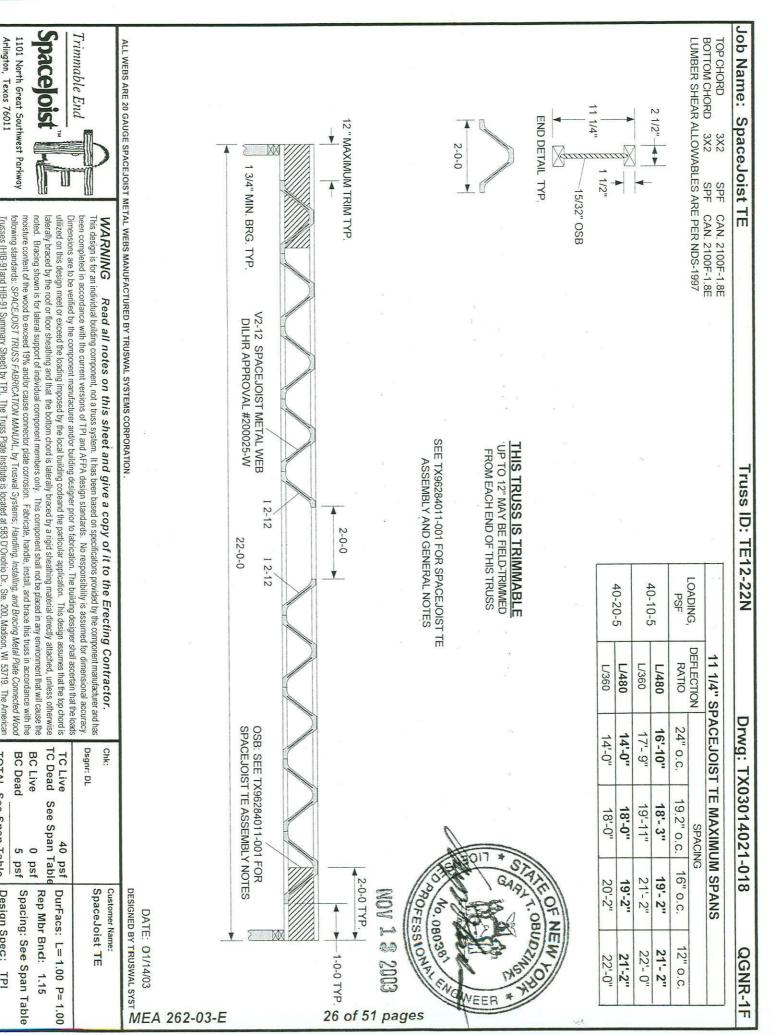
DATE: 01/14/03

Chk:

Dsgnr: DL		Spacesolstic
TC Live	40 psf	DurFacs: L= 1.00 P= 1.00
TC Dead	TC Dead See Span Table	Don Mha Bada 115
BC Live	0 psf	Rep Mior Bild. 1.15
BC Dead	5 psf	Spacing: See Span Table

TOTAL See Span Table

Design Spec: TPI



Job Name: BOTTOM CHORD TOP CHORD SpaceJoist TE 3X2 3X2 SPF SPF CAN. 1650F-1.5E CAN. 1650F-1.5E Truss ID: TE14-06N Drwg: TX03014021-020

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997

2 1/2"-END DETAIL TYP. 1/2" 15/32" OSB

> LOADING, PSF 40-10-5 40-20-5 DEFLECTION L/480 L/360 L/360 L/480 RATIO 14" SPACEJOIST TE MAXIMUM SPANS 24" o.c. 16'-0" 20'- 1" 16'-0" 20'- 1" 21'-5" 19.2" o.c. 20'-0" 20'-0" 22'- 7" SPACING 16" o.c. 22'-8" 22'-8" 24'-0" 22'-9" 12" o.c. 24'-0" 24'-0" 24'-0" 24'-0"

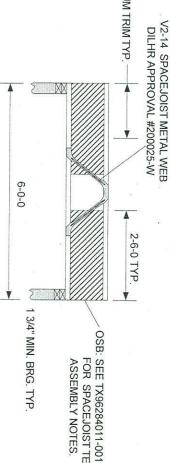
THIS TRUSS IS TRIMMABLE UP TO 18" MAY BE FIELD-TRIMMED

28 of 51 pages

FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES

2-5-2



18" MAXIMUM TRIM TYP.

DATE: 01/14/03 Designed by Truswal Systems

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MEA 262-03-E

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1101 North Great Southwest Parkway

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Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.

or is. The American	te Connected Wood	S 9995	s that the top chord is d, unless otherwise	nensional accuracy.	ntractor. manufacturer and has
TOTAL See Span Table		BC Live 0 nsf	TC Live 40 psf	Dsgnr: DL	Chk:
Design Spec: TPI	Spacing: See Span Table	Rep Mbr Bnd: 1.15	DurFacs: L= 1.00 P= 1.00	Spacesoist IE	Customer Name:

fruss ID: TE14-08N

LOADING

DEFLECTION

RATIO

24" o.c.

19.2" o.c. 21'-5"

16" o.c.

12" o.c.

SPACING

PSF

40-10-5

L/480

20'- 1" 20'- 1"

40-20-5

L/480 L/360

16'-0"

20'-0" 20'-0"

22'- 7"

24'-0" 24'-0"

24'-0" 24'-0"

L/360

16'-0"

22'-8" 22'-8" 24'-0" 22'-9"

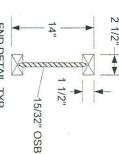
29 of 51 pages

Drwg: TX03014021-021

14" SPACEJOIST TE MAXIMUM SPANS

QGNR-1F

BOTTOM CHORD LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 TOP CHORD 3X2 3X2 SPF SPF CAN. 1650F-1.5E CAN. 1650F-1.5E



END DETAIL TYP.



THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE

ASSEMBLY AND GENERAL NOTES

12" MAXIMUM TRIM TYP. 2-14 SPACEJOIST METAL WEB TYP. 8-0-0 2-11-0 TYP. 1-9-7 TYP. 1 3/4" MIN. BRG. TYP OSB: SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY NOTES

> OF NEW OBUO

MEA 262-03-E



spaceloist Trimmable End Arlington, Texas 76011 1101 North Great Southwest Parkway

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See Span Tabl 40 psf DurFacs: L= 1.00 P= 1.00 SpaceJoist TE Customer Name:

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DATE: 01/14/03 Designed by Truswal Systems

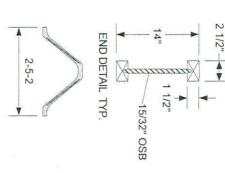
G 0 psf psf Design Spec: TPI Spacing: See Span Table Rep Mbr Bnd: 1.15

Truss ID: TE14-10N

Drwg: TX03014021-022

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 BOTTOM CHORD TOP CHORD 3X2 3X2 SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E



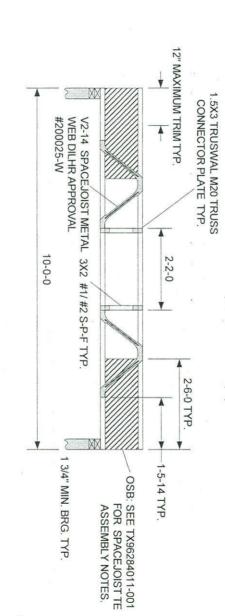
	14" SPA	CEJOIST T	14" SPACEJOIST TE MAXIMUM SPANS	SPANS	
LOADING	DEFLECTION		SPACING	G	
PSF	RATIO	24" o.c.	19.2" o.c. 16" o.c.	16" o.c.	12" o.c.
40 40 K	L/480	20'- 1"	21'- 5"	22'- 9"	24'- 0"
10-10-0	L/360	20'- 1"	22'- 7"	24'- 0"	24'- 0"
40-20-5	L/480	16'-0"	20'-0"	22'-8"	24'-0"
0	L/360	16'-0"	20'-0"	22'-8"	24'-0"

THIS TRUSS IS TRIMMABLE

30 of 51 pages

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



OF NEW 0800

MEA 262-03-E

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Chk: Dsgnr: DL TC Live NOV 1 3 2003 DATE: 01/14/03
Designed by Truswal Systems SpaceJoist TE Customer Name:

ROFESSION PL

VO. 08030

BC Dead BC Live TOTAL See Span Table TC Dead See Span Table Rep Mbr Bnd: 1.15 0 psf 40 psf 5 psf Spacing: See Span Table Design Spec: TPI DurFacs: L= 1.00 P= 1.00

Job Name: BOTTOM CHORD LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 TOP CHORD SpaceJoist TE 3X2 SPF SPF CAN. 1650F-1.85E CAN. 1650F-1.5E Truss ID: TE14-12N 14" SPACEJOIST TE MAXIMUM SPANS Drwg: TX03014021-023 QGNR-1F

LOADING

DEFLECTION

24" o.c.

19.2" o.c.

16" o.c.

12" o.c.

SPACING

20'- 1"

21'-5"

20'- 1"

22'- 7"

24'-0" 24'- 0" PSF

40-20-5

L/480 L/360 L/480 RATIO

16'-0"

20'-0"

22'-8" 24'-0" 22'- 9"

24'-0" 24'-0"

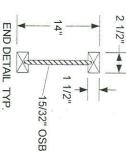
L/360

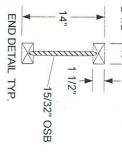
16'-0"

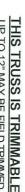
20'-0"

22'-8"

40-10-5







UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES

2-5-2



A 5 M		12 " MAXIN
V2-14 SPACI DILHR APPI		12 "MAXIMUM TRIM TYP. →
V2-14 SPACEJOIST METAL WEB DILHR APPROVAL #200025-W		12-14
12-0-0		2-0-0
		12-14
1 > XX		2-6-0 TYP.
1 3/4" MIN. BRG. TYP.	OSB: SEE T FOR S ASSE	1-4-5 TYP.
TYP.	FOR SPACEJOIST TE ASSEMBLY NOTES.	NO)

Designed by Truswal Syster DATE: 01/14/03

MEA 262-03-E

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

WARNING

Trimmable End

Arlington, Texas 76011

1101 North Great Southwest Parkway following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Communications of the Communication of the Communicat Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordan noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that w laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufact Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain the Read all notes on this sheet and give a copy of it to the Erecting Contract

Allelical	ected Wood	will cause the	e top chord is ss otherwise	al accuracy. that the loads	for.
TOTAL See Span Table Design Spec: TPI		BC Live 0 nef	TC Live 40 psf TC Dead See Span Table	Dsgnr: DL	Chk:
Design Spec: TPI	5 psf Spacing: See Span Table	Rep Mbr Bnd: 1.15	40 psf DurFacs: L= 1.00 P= 1.00	SpaceJoist 1E	Customer Name:

Job Name: **LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 BOTTOM CHORD** TOP CHORD SpaceJoist TE 3X2 3X2 SPF CAN. 2100F-1.8E SPF CAN. 2100F-1.8E russ ID: TE14-14N 14" SPACEJOIST TE MAXIMUM SPANS Drwg: TX03014021-024 QGNR-1F

LOADING

DEFLECTION

24" o.c.

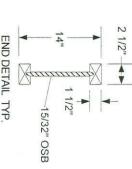
19.2" o.c. 21'-5"

16" o.c.

12" o.c.

SPACING

20'- 1" 20'- 1"



40-20-5

L/480 L/360 L/480 RATIO

16'-0" 16'-0"

22'-8"

24'-0" 22'-9"

L/360

20'-0" 20'-0" 22'- 7"

22'-8"

24'-0" 24'-0" 24'-0" 24'-0"

40-10-5

THIS TRUSS IS TRIMMABLE UP TO 12" MAY BE FIELD-TRIMMED

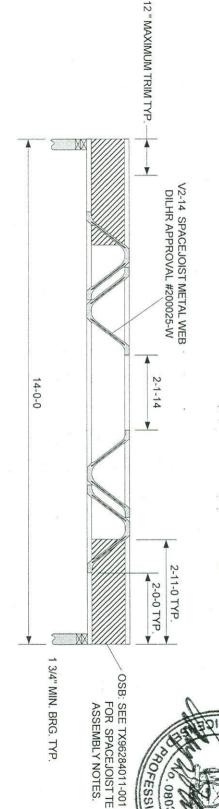
SEE TX96284011-001 FOR SPACEJOIST TE FROM EACH END OF THIS TRUSS

OF NEW

(OBUD)

ASSEMBLY AND GENERAL NOTES

2-5-2



POFESSIONE

NOV 12

DATE: 01/14/03 Designed by Truswal Systems

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American aterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has Read all notes on this sheet and give a copy of it to the Erecting Contractor. Chk: TC Dead Dsgnr: DL BC Dead **BC** Live TC Live See Span Table 40 psf 5 0 psf psf

1101 North Great Southwest Parkway Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. WARNING

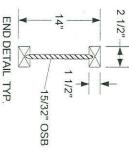
Trimmable End

Arlington, Texas 76011

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

TOTAL See Span Table Design Spec: TPI Spacing: See Span Table DurFacs: L= 1.00 P= 1.00 SpaceJoist TE Rep Mbr Bnd: 1.15 Customer Name:

Job Name: SpaceJoist TE BOTTOM CHORD LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 2 1/2"-3X2 SPF CAN. 2100F-1.8E SPF CAN. 2100F-1.8E Truss ID: TE14-16N Drwg: TX03014021-025 QGNR-1F 9



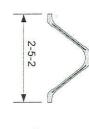
	14" SPA	CEJOIST T	14" SPACEJOIST TE MAXIMUM SPANS	SPANS	
LOADING	DEFLECTION		SPACING	IG	
PSF	RATIO	24" o.c.	19.2" o.c. 16" o.c.	16" o.c.	12" 0.0
40-10-5	L/480	20'- 1"	21'-5"	22'- 9"	24'- 0
40	L/360	20'- 1"	22'- 7"	24'- 0"	24'- C
40-20-5	L/480	16'-0"	20'-0"	22'-8"	24'-0'
1	L/360	16'-0"	20'-0"	22'-8"	24'-0

THIS TRUSS IS TRIMMABLE

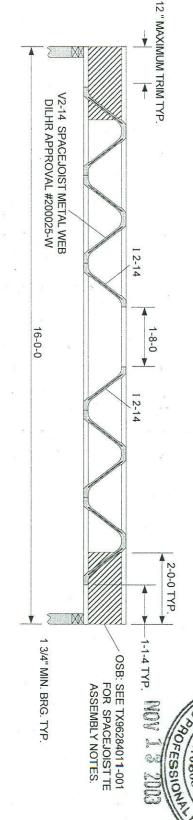
UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS TRUSS

T. OBUDA

OF NEW



SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



33 of 51 pages

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

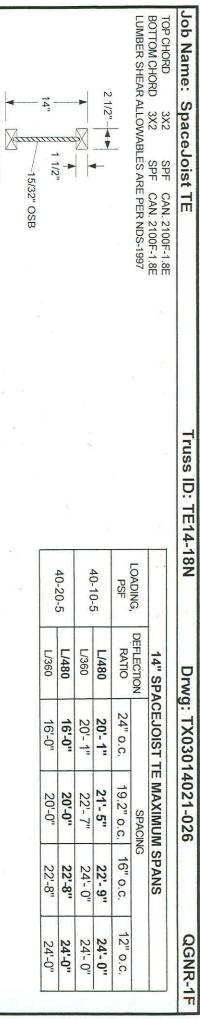
Trimmable End 1101 North Great Southwest Parkway pace ois following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance w noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cau laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless oth utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top of Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the peen completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional acc WARNING This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer

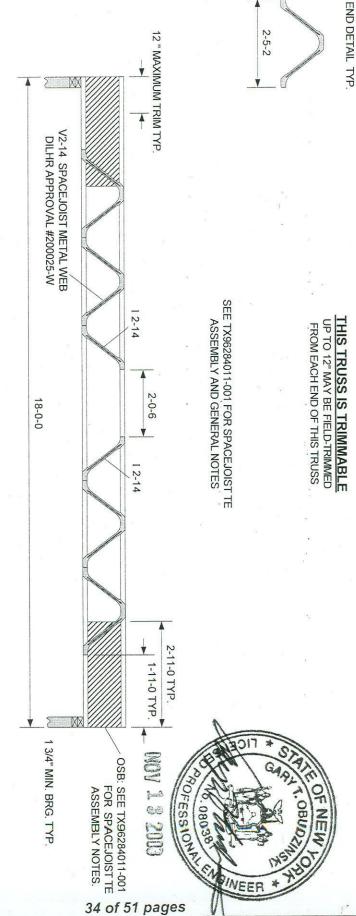
Arlington, Texas 76011

orest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036

ETAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION .	De	DATE: 01/14/03
WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor. This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. Dimensions are to be verified by the component manufacturer and/or building designer prior to tabrication. The building designer shall ascertain that the loads	Chk: Dsgnr: DL	Customer Name: SpaceJoist TE
utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the	TC Live 40 psf TC Dead See Span Table	40 psf DurFacs: L= 1.00 P= 1.00 an Table Rep Mbr Bnd: 1.15
following standards: SPACEJOIST TIRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood Trusses (HIB-91 and HIB-91 Summary Sheet) by IP). The Truss Plate Institute is located at 583 D'Onofrio Dr. Ste. 200 Martson, WI 53719. The American	BC Dead 5 psf	5 psf Spacing: See Span Table
	TOTAL DESIGN SPEC	Lesion Spec

TOTAL See Span Table Design Spec: TPI





ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION



1101 North Great Southwest Parkway Arlington, Texas 76011 moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance tollowing standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connect noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless c been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy. utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the to Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor.

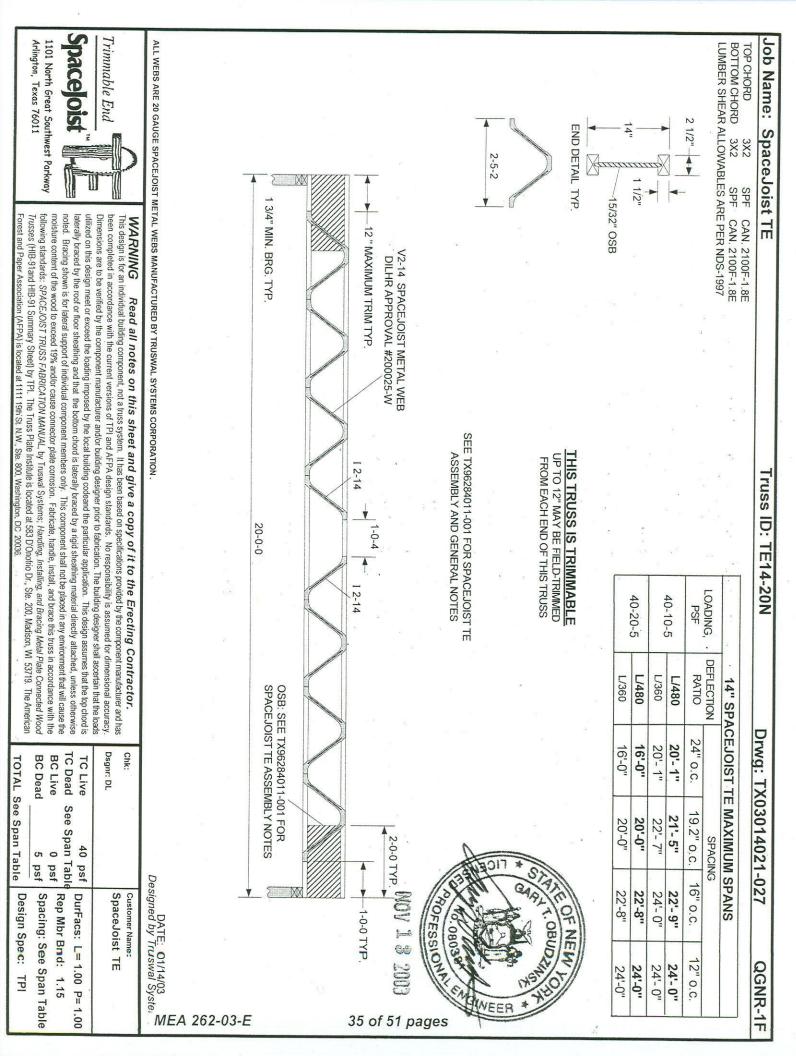
orest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.

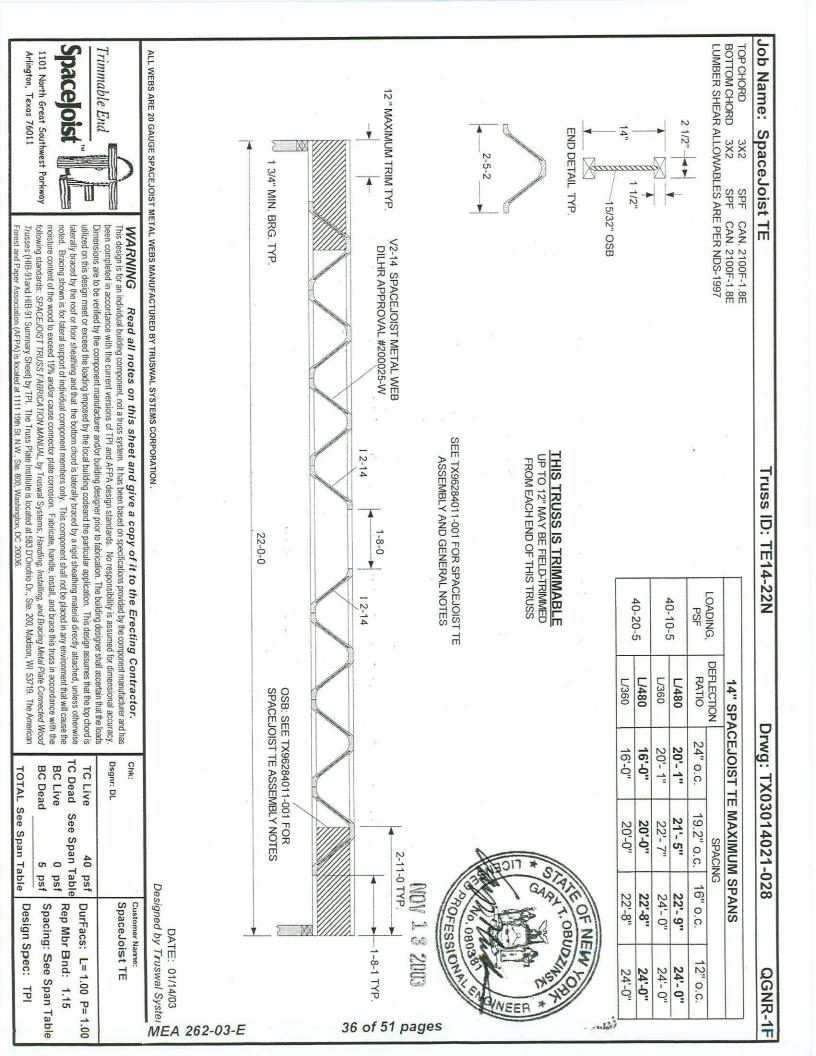
Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The

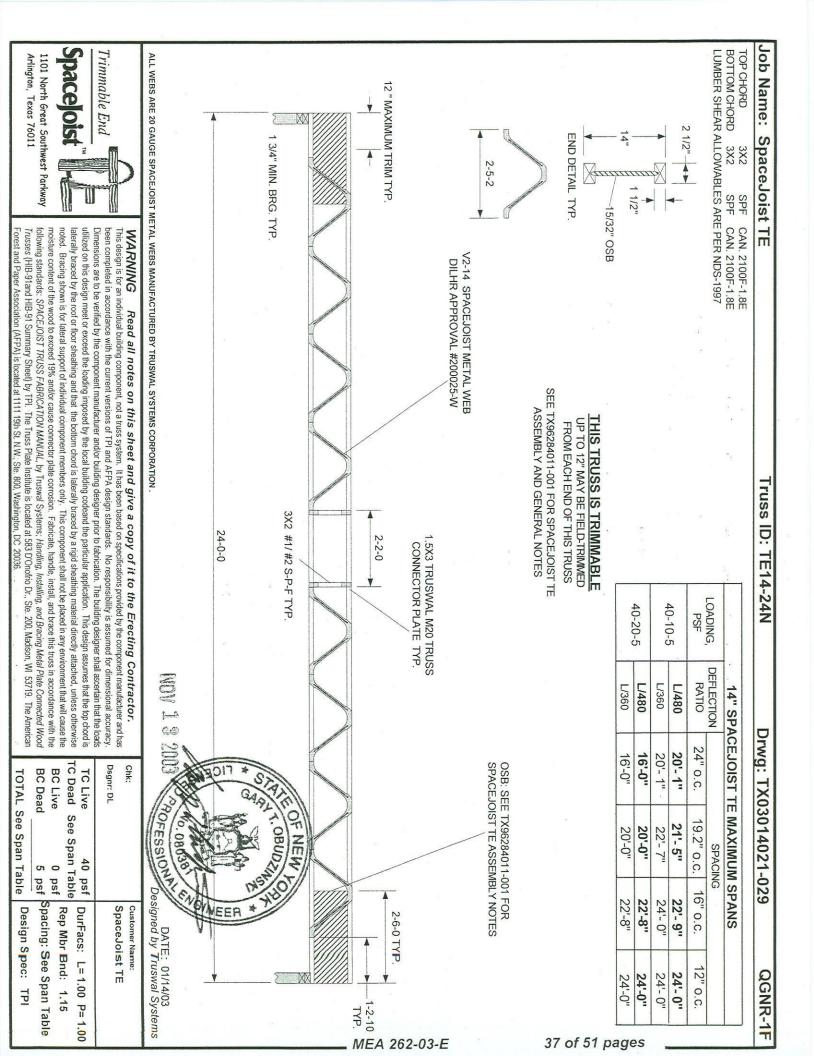
TOTAL See Span T	BC Live 0 BC Dead 5	See Spa	
TOTAL See Span Table Design Spec: TPI	5 psf Spacing: See Span Table	40 psf DurFacs: L=1.00 P=1.00 In Table Rep Mbr Bnd: 1.15	

Dsgnr: DL Chk:

DATE: 01/14/03
Designed by Truswal System 26
Customer Name:
SpaceJoist TE
M







Job Name: SpaceJoist TE

Truss ID: TE16-04N

LOADING, PSF

DEFLECTION RATIO

24" o.c.

19.2" o.c.

16" o.c.

12" o.c.

SPACING

21'-9"

24'- 2"

21'-9"

24'-5" 22'-0" 22'-0"

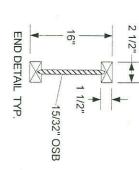
> 28'- 0" 28'- 0"

Drwg: TX03014021-030

16" SPACEJOIST TE MAXIMUM SPANS

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 **BOTTOM CHORD** SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E



40-20-5

L/480 L/360 L/480

18'-3"

L/360

18-3

24'-9" 24'-9" 26'- 8" 25'-8"

28'-0" 28'-0"

38 of 51 pages

40-10-5

UP TO 12" MAY BE FIELD-TRIMMED FROM EACH END OF THIS JOIST

THIS TRUSS IS TRIMMABLE

ASSEMBLY AND GENERAL NOTES 1 3/4" MIN. BRG. TYP OSB: SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY NOTES

SEE TX96284011-001 FOR SPACEJOIST TE

OF NEW SERVICE SERVIC 08036 MEA 262-03-E

4-0-0

DATE: 01/14/03

DESIGNED BY TRUSWAL SYSTEMS

SpaceJoist TE

Customer Name:

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

Space ois Trimmable End

Arlington, Texas 76011

1101 North Great Southwest Parkway

moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy, This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has WARNING russes (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American Read all notes on this sheet and give a copy of it to the Erecting Contractor. TC Dead See Span Table Chk: BC Dead Dsgnr: DL TOTAL See Span Table **BC** Live TC Live 40 psf 5 psf psf

Design Spec: TPI

Spacing: See Span Table

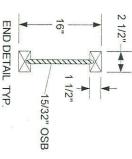
Rep Mbr Bnd: 1.15 DurFacs: L= 1.00 P= 1.00

BOTTOM CHORD LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 TOP CHORD 3X2 SPF CAN. 1650F-1.8E SPF CAN. 1650F-1.8E Drwg: TX03014021-031 QGNR-1F

Truss ID: TE16-06N

Job Name:

SpaceJoist TE



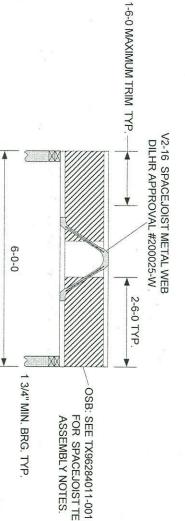
	16" SPA	CEJOIST T	16" SPACEJOIST TE MAXIMUM SPANS	SPANS	
LOADING.	DEFLECTION		SPACING	iG	
PSF	RATIO	24" o.c.	19.2" o.c. 16" o.c.	16" o.c.	12" o.c.
40-10-5	L/480	21'- 9"	24'- 2"	25'- 8"	28'- 0"
	L/360	21'- 9"	24'- 5"	26'- 8"	28'- 0"
40-20-5	L/480	18'-3"	22'-0"	24'-9"	28'-0"
	L/360	18'-3"	22'-0"	24'-9"	28'-0"

THIS TRUSS IS TRIMMABLE UP TO 18" MAY BE FIELD TRIMMED

SEE TX96284011-001 FOR SPACEJOIST TE FROM EACH END OF THIS TRUSS

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ASSEMBLY AND GENERAL NOTES



ROFESSIONAL OF NEW VO. 08038 Congo. MEA 262-03-E

NOV I S 2003

DATE: 01/14/03

TC Dead See Span Table Chk: Dsgnr: DL **BC** Live TC Live 40 psf 0 psf Rep Mbr Bnd: 1.15 DurFacs: L= 1.00 P= 1.00 SpaceJoist TE Customer Name: DESIGNED BY TRUSWAL SYSTEMS

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION.



WARNING

Arlington, Texas 76011 1101 North Great Southwest Parkway

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood

BC Dead

5 psf

Spacing: See Span Table

TOTAL See Span Table

Design Spec: TPI

Trusses (HIB-91 and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.

Read all notes on this sheet and give a copy of it to the Erecting Contractor.

laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads

Job Name: SpaceJoist TE TOP CHORD

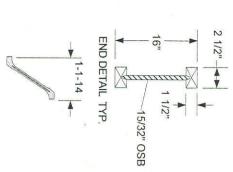
3X2 SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E

Truss ID: TE16-08N

Drwg: TX03014021-032

QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 BOTTOM CHORD 3X2



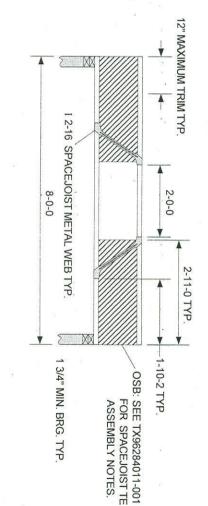
	16" SPA	CEJOIST T	16" SPACEJOIST TE MAXIMUM SPANS	SPANS	
LOADING.	DEFLECTION		SPACING	iG	
PSF	RATIO	24" o.c.	19.2" o.c. 16" o.c.	16" o.c.	12" o.c.
40-10-5	L/480	21'- 9"	24'- 2"	25'- 8"	28'- 0"
0	L/360	21'-9"	24'- 5"	26'- 8"	28'- 0"
40-20-5	L/480	18'-3"	22'-0"	24'-9"	28'-0"
1	L/360	18'-3"	22'-0"	24'-9"	28'-0"

THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD TRIMMED FROM EACH END OF THIS TRUSS

40 of 51 pages

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES





ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

Space oist Trimmable End

1101 North Great Southwest Parkway

Arlington, Texas 76011

WARNING Read all notes on this sheet and give a copy of it to the Erecting Contractor

following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will o utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top Trusses (HIB-91 and HIB-91 Summary Sheel) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The J laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless of Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that t Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036 been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional ac This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer

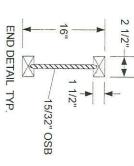
Allendal	therwise cause the with the ed Wood	r and has ccuracy.	
TOTAL See Span Table	TC Live 40 psf TC Dead See Span Table BC Live 0 psf BC Dead 5 psf	Chk: Dsgnr: DL	
Design Spec: TPI	40 psf DurFacs: L=1.00 P=1.00 In Table Rep Mbr Bnd: 1.15 Spacing: See Span Table	Customer Name: SpaceJoist TE	DESIGNED BY TRUSWAL SYSTEMS

DATE: 01/14/03

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 **BOTTOM CHORD** 3X2 3X2 SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E LOADING DEFLECTION 16" SPACEJOIST TE MAXIMUM SPANS Drwg: TX03014021-033 SPACING QGNR-1F

Truss ID: TE16-10N

Job Name: SpaceJoist TE



40-20-5 40-10-5 PSF L/480 RATIO L/360 L/480 L/360 24" o.c. 18'-3" 21'-9" 18'-3" 21'-9" 19.2" o.c. 22'-0" 24'-5" 22'-0" 24'- 2" 16" o.c. 24'-9" 24'-9" 26'- 8" 25'-8" 12" o.c. 28'- 0" 28'-0" 28'-0" 28'- 0"

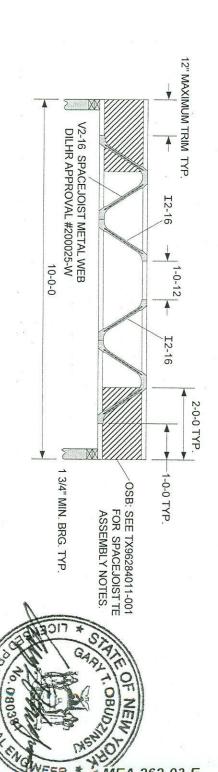
THIS TRUSS IS TRIMMABLE UP TO 12" MAY BE FIELD TRIMMED

41 of 51 pages

FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES

2-3-12



MEA 262-03-E

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION

Spaceloist Trimmable End

1101 North Great Southwest Parkway

Arlington, Texas 76011

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036. following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the Trusses (HIB-91 and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American iaterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy, This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has Read all notes on this sheet and give a copy of it to the Erecting Contractor. TC Dead Dsgnr: DL Chk: **BC** Dead TC Live **BC** Live TOTAL See Span Table

DATE: 01/14/03

NOV 13

POFESSIONAL

See Span Table 40 psf 5 psf 0 psf Design Spec: TPI Spacing: See Span Table Rep Mbr Bnd: 1.15 DurFacs: L= 1.00 P= 1.00 SpaceJoist TE Customer Name: DESIGNED BY TRUSWAL SYSTEMS

Job Name: SpaceJoist TE BOTTOM CHORD 3X2 SPF CAN. 1650F-1.5E SPF CAN. 1650F-1.5E Truss ID: TE16-12N Drwg: TX03014021-034 QGNR-1F

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 2 1/2"-

	16" SPA	CEJOIST T	16" SPACEJOIST TE MAXIMUM SPANS	SPANS	
LOADING	DEFLECTION		SPACING	JG O	
PSF		24" o.c.	19.2" o.c. 16" o.c.	16" o.c.	12" o.c.
40-10-5	L/480	21'- 9"	24'- 2"	25'- 8"	28'- 0"
0	L/360	21'-9"	24'- 5"	26'- 8"	28'- 0"
40-20-5	L/480	18'-3"	22'-0"	24'-9"	28'-0"
	L/360	18'-3"	22'-0"	24'-9"	28'-0"

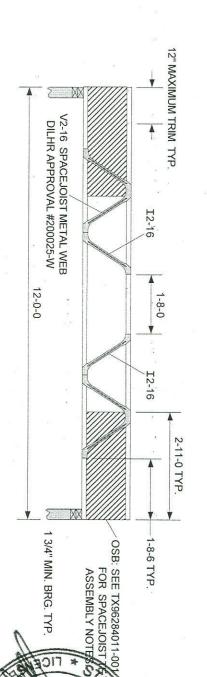
THIS TRUSS IS TRIMMABLE

42 of 51 pages

END DETAIL TYP

15/32" OSB

UP TO 12" MAY BE FIELD TRIMMED FROM EACH END OF THIS TRUSS



T. OBUO.T.

OF NEW

MEA 262-03-E

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION Read all notes on this sheet and give a copy of it to the Erecting Contractor.

1101 North Great Southwest Parkway following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems, Handling, Installing, and Bracing Metal Plate Connected Wood moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in accordance with the noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment that will cause the Trusses (HIB-91 and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 53719. The American aterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached, unless otherwise utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes that the top chord is Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall ascertain that the loads been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy, This design is for an individual building component, not a truss system. It has been based on specifications provided by the component manufacturer and has

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036

Space oist

Arlington, Texas 76011

Trimmable End

TC Dead See Span Table Chk: Dsgnr: DL TOTAL See Span Table BC Dead **BC** Live TC Live 40 psf 5 psf 0 psf Spacing: See Span Table Design Spec: Rep Mbr Bnd: 1.15 DurFacs: L= 1.00 P= 1.00 SpaceJoist TE Customer Name: DESIGNED BY TRUSWAL SYSTEMS

DATE: 01/14/03

POFESSIONAL

08050

LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 **BOTTOM CHORD** 2 1/2"-3X2 3X2 SPF CAN. 2100F-1.8E SPF CAN. 2100F-1.8E LOADING 40-10-5 PSF DEFLECTION RATIO L/480 16" SPACEJOIST TE MAXIMUM SPANS 24" o.c. 21'-9" 19.2" o.c. 24'- 2" SPACING 16" o.c. 25'-8" 12" o.c. 28'- 0"

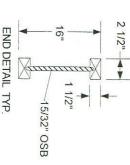
Truss ID: TE16-14N

Drwg: TX03014021-035

QGNR-1F

Job Name:

SpaceJoist TE



THIS TRUSS IS TRIMMABLE

40-20-5

L/480 L/360

18'-3" 21'-9"

22'-0" 24'-5"

L/360

18'-3"

22'-0"

24'-9" 24'-9" 26'- 8"

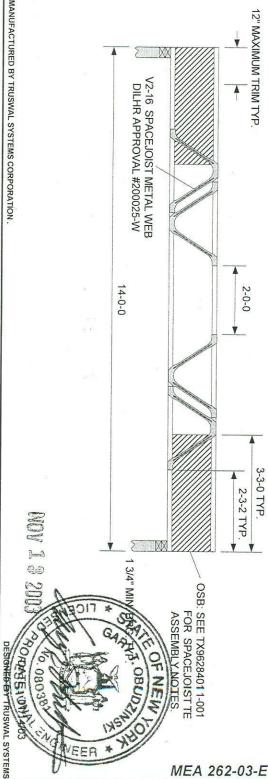
28'-0"

43 of 51 pages

28'-0" 28'- 0"

UP TO 12" MAY BE FIELD TRIMMED FROM EACH END OF THIS TRUSS

SEE TX96284011-001 FOR SPACEJOIST TE ASSEMBLY AND GENERAL NOTES



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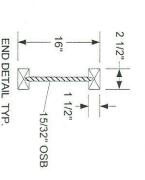


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n, vvi 53719. The American	etal Plate Connected Wood	vironment that will cause the	assumes that the top chord is attached, unless otherwise	ponent manufacturer and has for dimensional accuracy. shall ascertain that the loads	Contractor.
TOTAL See Span Table Design Spec: TPI		BC Live 0 part lable	TC Live 40 psf	Dsgnr: DL	Chk:
Design Spec: TPI	5 psf Spacing: See Span Table	Rep Mbr Bnd: 1.15	40 psf DurFacs: L=1.00 P=1.00	SpaceJoist TE	Customer Name:

Job Name: SpaceJoist TE **BOTTOM CHORD** TOP CHORD LUMBER SHEAR ALLOWABLES ARE PER NDS-1997 3X2 SPF CAN. 2100F-1.8E SPF CAN. 2100F-1.8E Truss ID: TE16-16N LOADING DEFLECTION 16" SPACEJOIST TE MAXIMUM SPANS Drwg: TX03014021-036 SPACING QGNR-1F 12" o.c.



40-20-5 40-10-5 PSF L/480 L/360 L/480 RATIO L/360 24" o.c. 18'-3" 18'-3" 21'-9" 21'-9" 19.2" o.c. 22'-0" 24'-5" 22'-0" 24'- 2" 16" o.c. 24'-9" 24'-9" 26'-8" 25'-8"

> 28'-0" 28'- 0" 28'- 0"

28'-0"

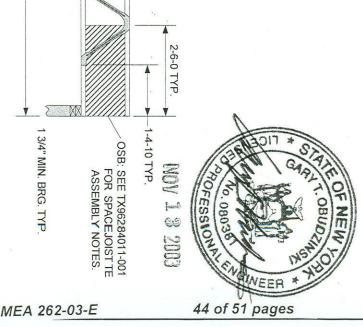
THIS TRUSS IS TRIMMABLE

UP TO 12" MAY BE FIELD TRIMMED FROM EACH END OF THIS TRUSS



SEE TX96284011-001 FOR SPACEJOIST TE

ASSEMBLY AND GENERAL NOTES



12" MAXIMUM TRIM TYP. V2-16 SPACEJOIST METAL WEB DILHR APPROVAL #200025-W I2-16 16-0-0 1-8-0 I2-16 1 3/4" MIN. BRG. TYP.

ALL WEBS ARE 20 GAUGE SPACEJOIST METAL WEBS MANUFACTURED BY TRUSWAL SYSTEMS CORPORATION.

WARNING

Space|oist Trimmable End 1101 North Great Southwest Parkway following standards: SPACEJOIST TRUSS FABRICATION MANUAL, by Truswal Systems; Handling, Installing, and Bracing Metal Pla moisture content of the wood to exceed 19% and/or cause connector plate corrosion. Fabricate, handle, install, and brace this truss in a noted. Bracing shown is for lateral support of individual component members only. This component shall not be placed in any environment laterally braced by the roof or floor sheathing and that the bottom chord is laterally braced by a rigid sheathing material directly attached utilized on this design meet or exceed the loading imposed by the local building codeand the particular application. This design assumes Dimensions are to be verified by the component manufacturer and/or building designer prior to fabrication. The building designer shall as been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dim This design is for an individual building component, not a truss system. It has been based on specifications provided by the component n Read all notes on this sheet and give a copy of it to the Erecting Cor

Arlington, Texas 76011

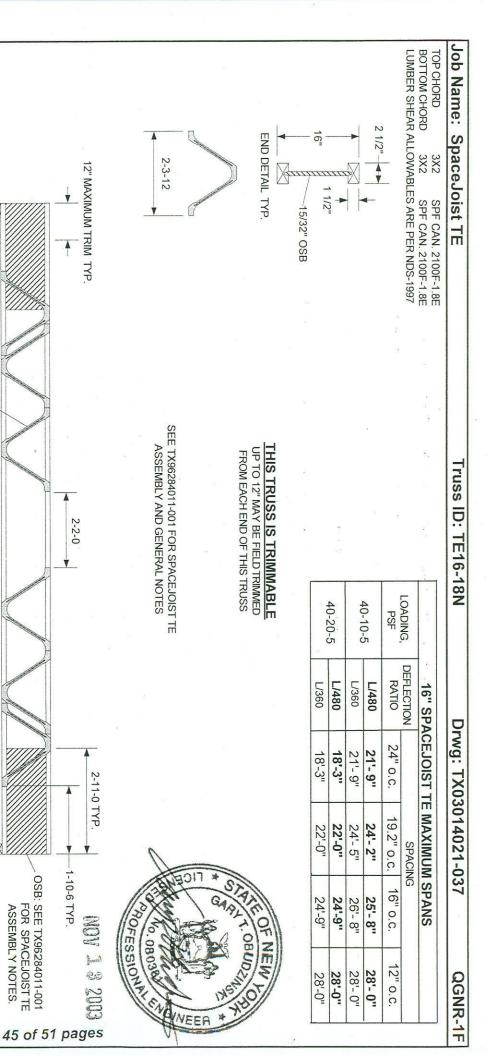
Forest and Paper Association (AFPA) is located at 1111 19th St. N.W., Ste. 800, Washington, DC 20036.

Trusses (HIB-91and HIB-91 Summary Sheet) by TPI. The Truss Plate Institute is located at 583 D'Onofrio Dr., Ste. 200, Madison, WI 5

3719. The American	ate Connected Wood	ent that will cause the	s that the top chord is	nensional accuracy. scertain that the loads	ntractor. manufacturer and has
TOTAL See Span Table Design Spec: TPI	BC Dead 5 psf	BC Live 0 psf	TC Live 40 psf	Dsgnr: DL	Chk:
Design Spec: TPI	5 psf Spacing: See Span Table	0 psf Rep Mbr Bnd: 1.15	40 psf DurFacs: L=1.00 P=1.00	1	Customer Name:

DESIGNED BY TRUSWAL SYSTEMS

DATE: 01/14/03



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V2-16 SPACEJOIST METAL WEB **DILHR APPROVAL #200025-W**

18-0-0

1 3/4" MIN. BRG. TYP.

ASSEMBLY NOTES.



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1101 North Great Southwest Parkway

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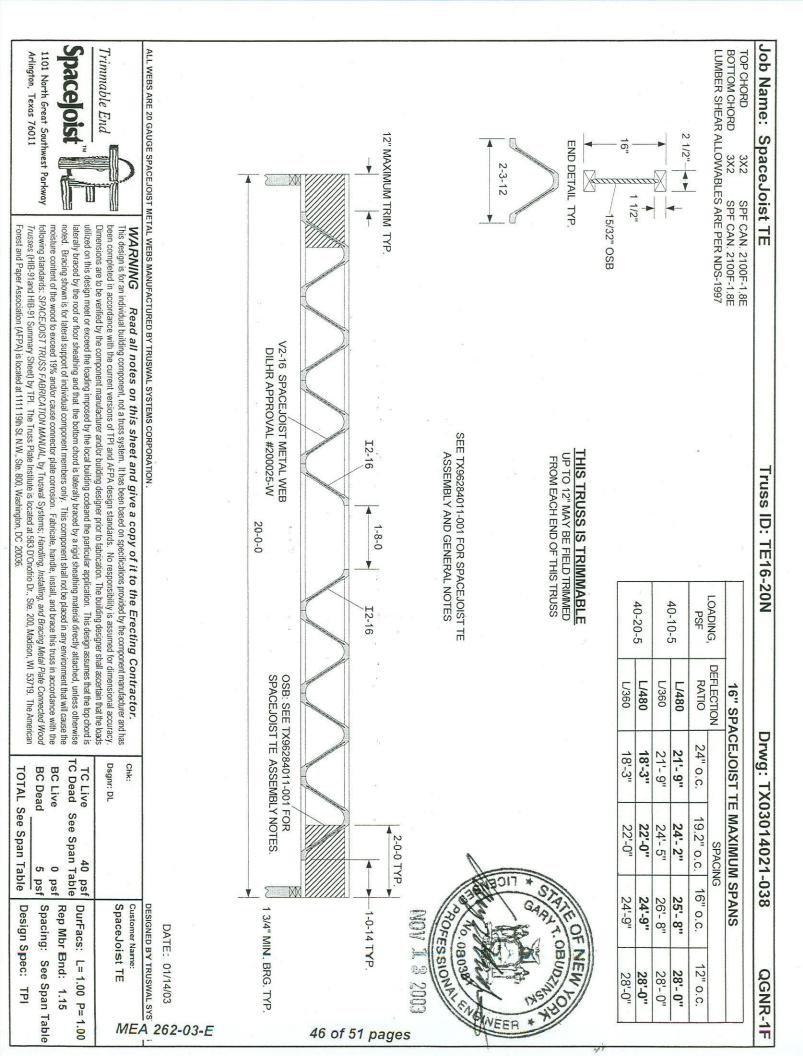
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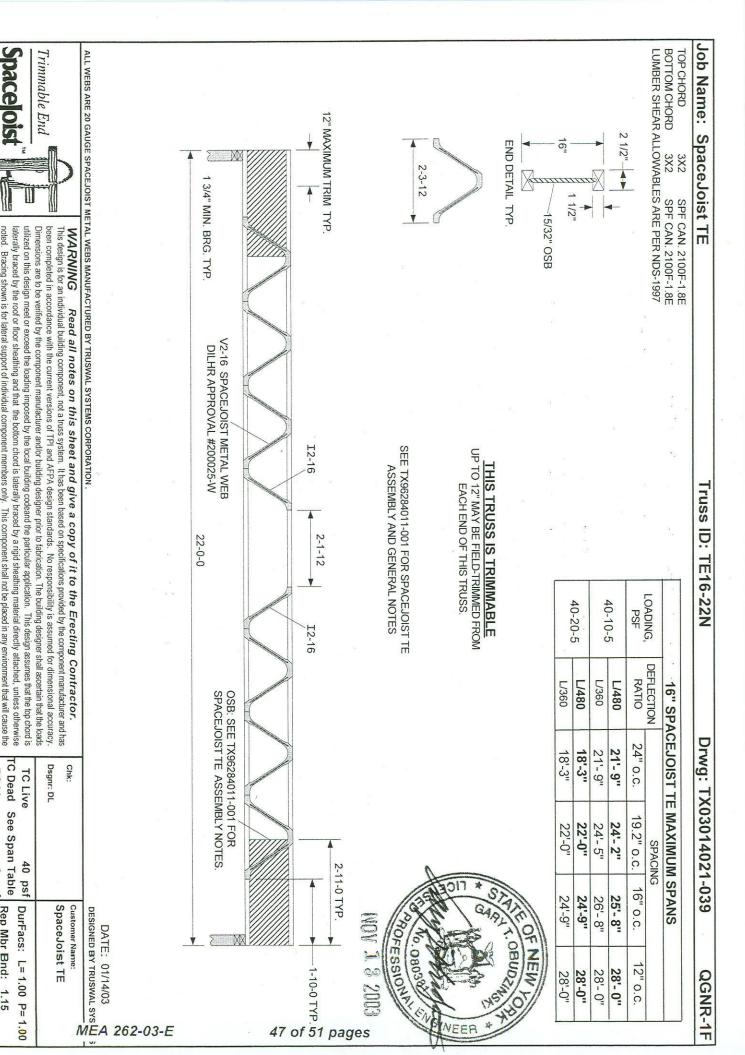
TOTAL See Span Table	BC Dead 5 psf	See Spa	TC Live 40 psi	Dsgnr: DL	Chk:
Design Spec: TPI	5 psf Spacing: See Span Table	Rep Mbr Bnd: 1.15	40 psf DurFacs: = 1.00 P= 1.00	Spacesolar	Customer Name:

DESIGNED BY TRUSWAL SYSTE

DATE: 01/14/03

MEA 262-03-E





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1101 North Great Southwest Parkway

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BC Live

BC Dead

0 psf 5 psf

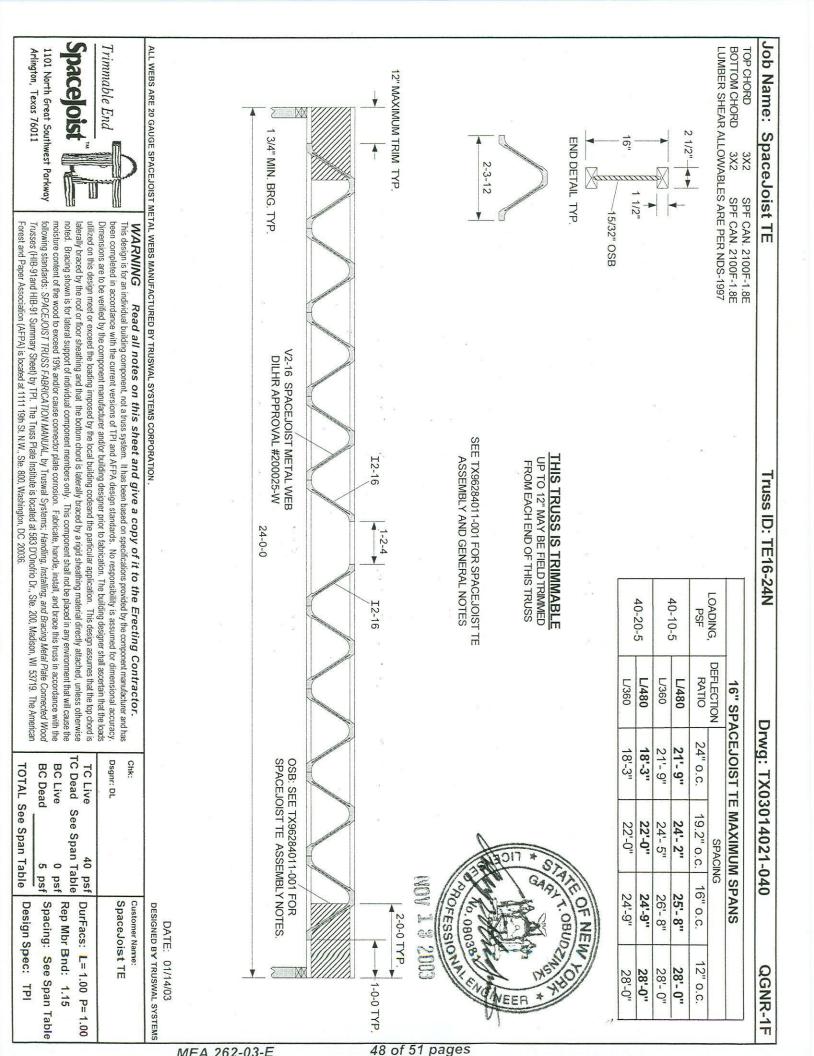
> Rep Mbr Bnd: 1.15 Spacing: See Span Table

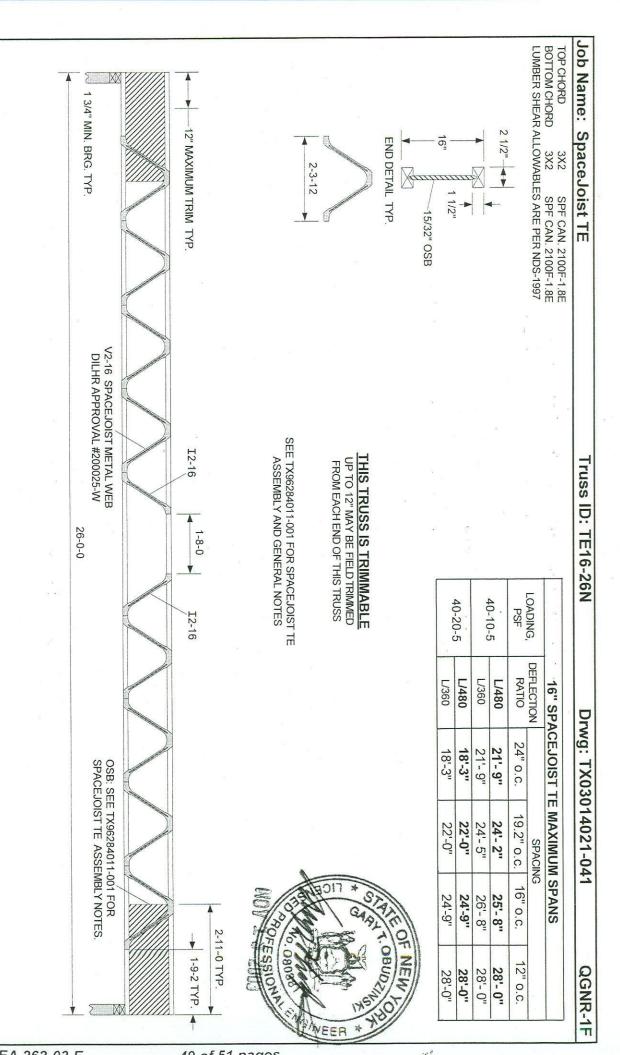
Design Spec: TPI

TOTAL See Span Table

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TC Dead See Span Table

TC Live

40 psf

BC Dead **BC** Live

5 psf 0 psf

Spacing: See Span Table

Rep Mbr Bnd: 1.15 DurFacs: L= 1.00 P= 1.00

Design Spec: TPI

TOTAL See Span Table

Forest and Paper Association (AFPA) is located at 1111 19th St. N.W.; Ste. 800, Washington, DC 20036.

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Chk:

Dsgnr: DL

Spacejoist TE

Customer Name:

DESIGNED BY TRUSWAL SYSTEMS DATE: 01/14/03

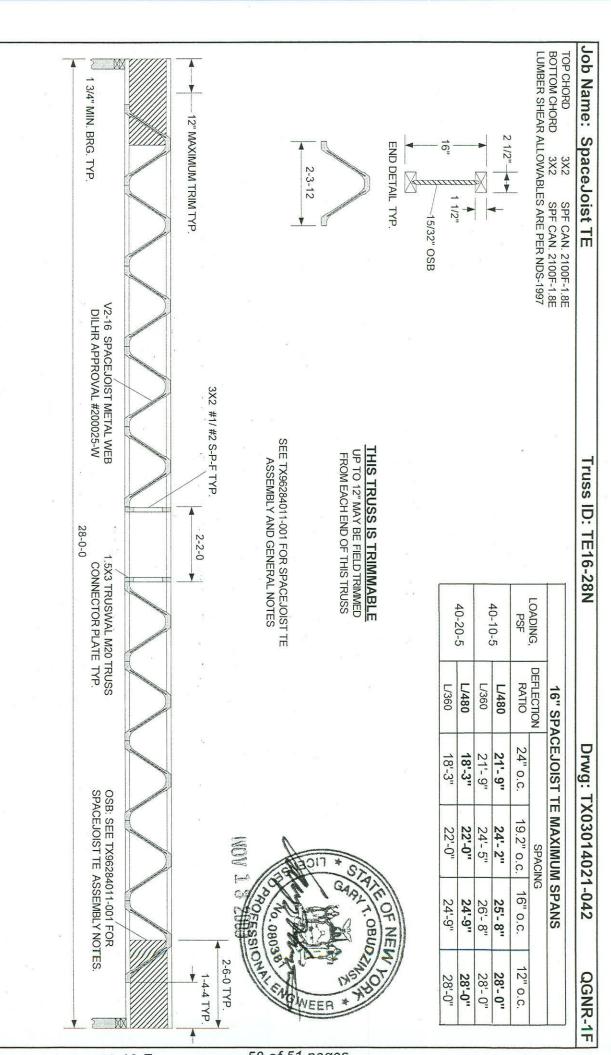
Arlington, Texas 76011

1101 North Great Southwest Parkway

Trimmable End

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TC Live 40 psf TC Dead See Span Table

TC Live

BC Dead BC Live

5 psf 0 psf

TOTAL See Span Table

Design Spec: TPI

Spacing: See Span Table Rep Mbr Bnd: 1.15 DurFacs: L= 1.00 P= 1.00 been completed in accordance with the current versions of TPI and AFPA design standards. No responsibility is assumed for dimensional accuracy

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Chk: Dsgnr: DL

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DATE: 01/14/03

Trimmable End

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WARNING



SpaceJoist TE, LLC

1101 N. GREAT SOUTHWEST PARKWAY • ARLINGTON TEXAS 76011-7717 • 817-633-5022

TX96284011-001

(Revised 5-03-01)

SpaceJoist TE Standard Notes

SpaceJoist TE – Assembly Notes:

1. The Trimmable end detail is formed by creating an I-section from a 15/32" thick OSB web glued into routed notches in the truss chord flanges.

2. Materials and procedures utilized in the manufacture of SpaceJoist TE trusses shall be in accordance with specifications of the SpaceJoist TE Quality Assurance Program.

3. Manufacturing of all SpaceJoist TE product shall be accomplished only at those manufacturing facilities specified by SpaceJoist TE, LLC.

4. Manufacturing of the SpaceJoist TE product shall be inspected by a qualified independent third party inspection agency.

SpaceJoist TE - General Truss Notes

- 1. Spans shown on SpaceJoist TE design drawings reflect the use of composite action between the floor decking and the truss. Deflection limitations have been adjusted to take advantage of this behavior. Composite action requires that a minimum of 3/4" (23/32") tongue and groove 48/24 Exposure 1 APA span rated sheathing be used for 24" o.c. and 19.2" o.c. joist spacing. A minimum of 5/8" (19/32") tongue and groove 40/20 Exposure 1 APA span rated sheathing is required for joist spacing of 16" o.c. or less. These are minimums. Governing codes or design requirements may necessitate a thicker sheathing. The decking shall be glued and screwed OR glued and nailed (as required per code) to the top chord of the truss utilizing a construction adhesive conforming to APA Specification AFG-01. All tongue and groove joints of the floor decking must be glued with the same adhesive.
- 2. Refer to the appropriate truss drawing when the maximum allowable truss span is less than the truss drawing span.
- 3. SpaceJoist TE designs require the use of an adequate rim joist capable of supporting loads from stacked walls at the truss ends. Wall loads are not permitted to be applied directly to the ends of the truss.
- 4. 2x6 continuous strongback bridging spaced a maximum of 10'-0" o.c. is required for all spans exceeding 12'-0". See Detail S of the "SpaceJoist TE Design & Specification Guide" or the "SpaceJoist TE Installation Poster" for installation details.

5. When rigid sheathing is not directly attached to the bottom chord, install 1x4 continuous lateral bracing to the bottom chord at intervals of 10'-0" o.c.

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Sales: 800 • 238-8678 Website: www.spacejoist.com Fax: 817 • 652-3079

E-mail: info@spacejoist.com