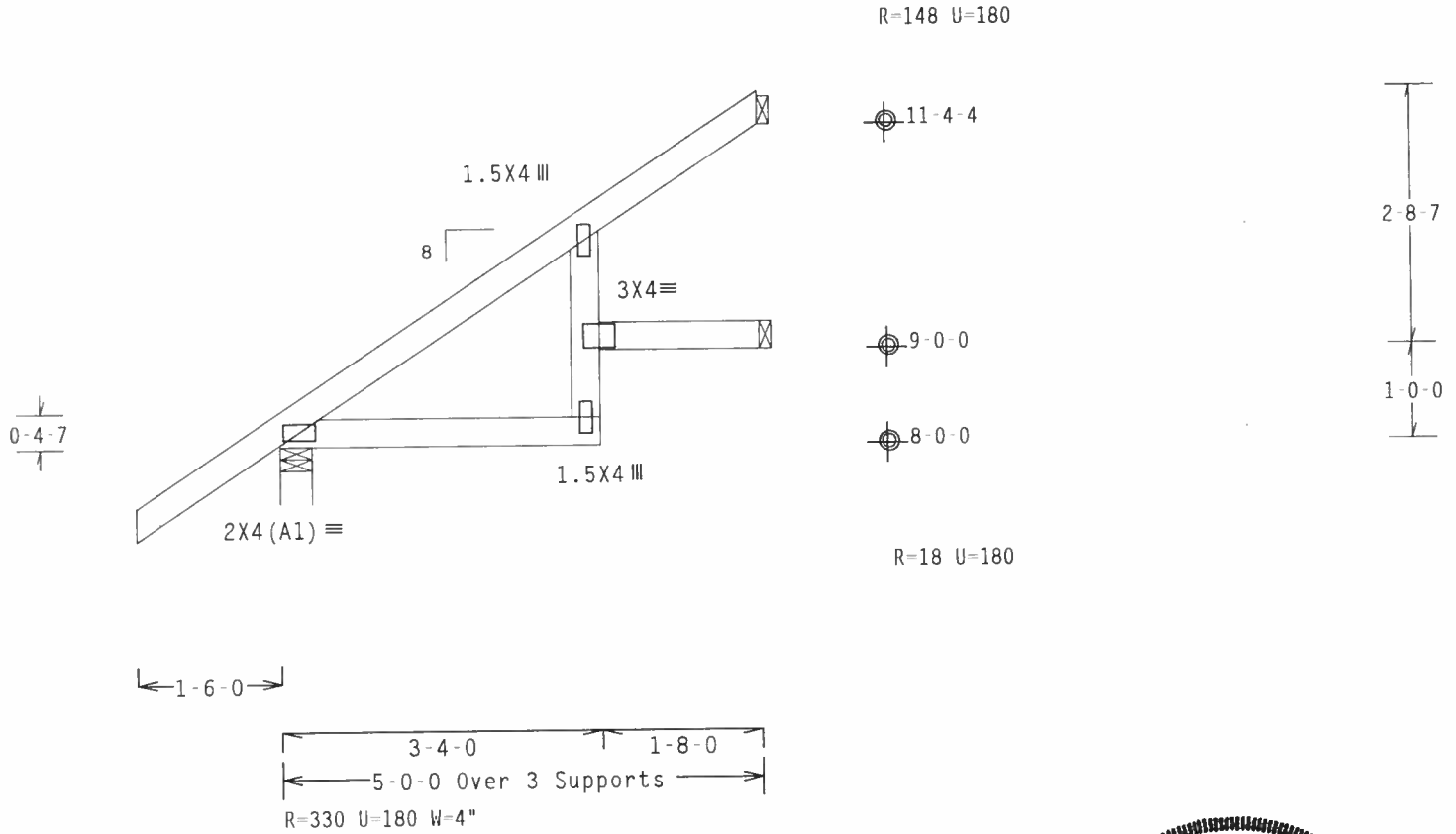
(065 ARARON SIMQUE / SKROWON - EJ5T)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.00.




PLT TYP. Wave TPI | Design Crit: TPI-1995(STD) | 19.6 | FL/-/4/-/-/R/- | Scale =.5"/Ft.


ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567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MANUEL MARTINEZ CERTIFICATE No. 47182 STATE OF FLORIDA PROFESSIONAL ENGINEER
Feb 27,'04

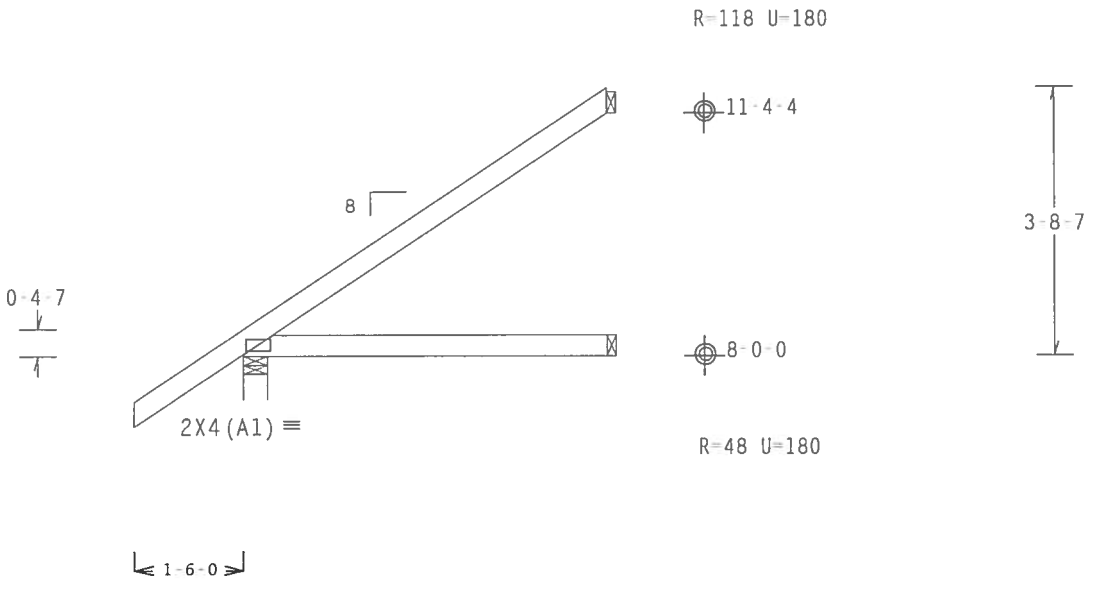
| | | | |
|---|---|---|---|
| TC | LL | 20.0 PSF | REF R487-- 5486 |
| ★TC | DL | 10.0 PSF | DATE 02/27/04 |
| BC | DL | 10.0 PSF | DRW HCUSR487 04058072 |
| WEB | LL | 0.0 PSF | HC-ENG JB/MMA ★ |
| TOT.LD. | | 40.0 PSF | SEQN- 70859 |
| DUR.FAC. | | 1.25 | FROM JP |
| SPACING | | 24.0" | JREF- 1SAR487_Z01 |

(065-ARARON SIMQUE / SKROWON - CJ5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.




PLT TYP. Wave TPI | Design Crit: TPI 1995(STD) | 19.62 | TK:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.


ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567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MANUEL MARTINEZ CERTIFICATE No. 47182 STATE OF FLORIDA PROFESSIONAL ENGINEER

| | | | |
|---|---|---|---|
| TC LL | 20.0 PSF | REF | R487-- 5487 |
| TC DL | 10.0 PSF | DATE | 02/27/04 |
| BC DL | 10.0 PSF | DRW | HCUSR487 04058073 |
| BC LL | 0.0 PSF | HC-ENG | JB/MMA * |
| TOT.LD. | 40.0 PSF | SEQN- | 71227 |
| DUR.FAC. | 1.25 | FROM | JP |
| SPACING | 24.0" | JREF- | 1SAR487_Z01 |

(065-ARARON SIMQUE / SKROWON - HJ7S)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

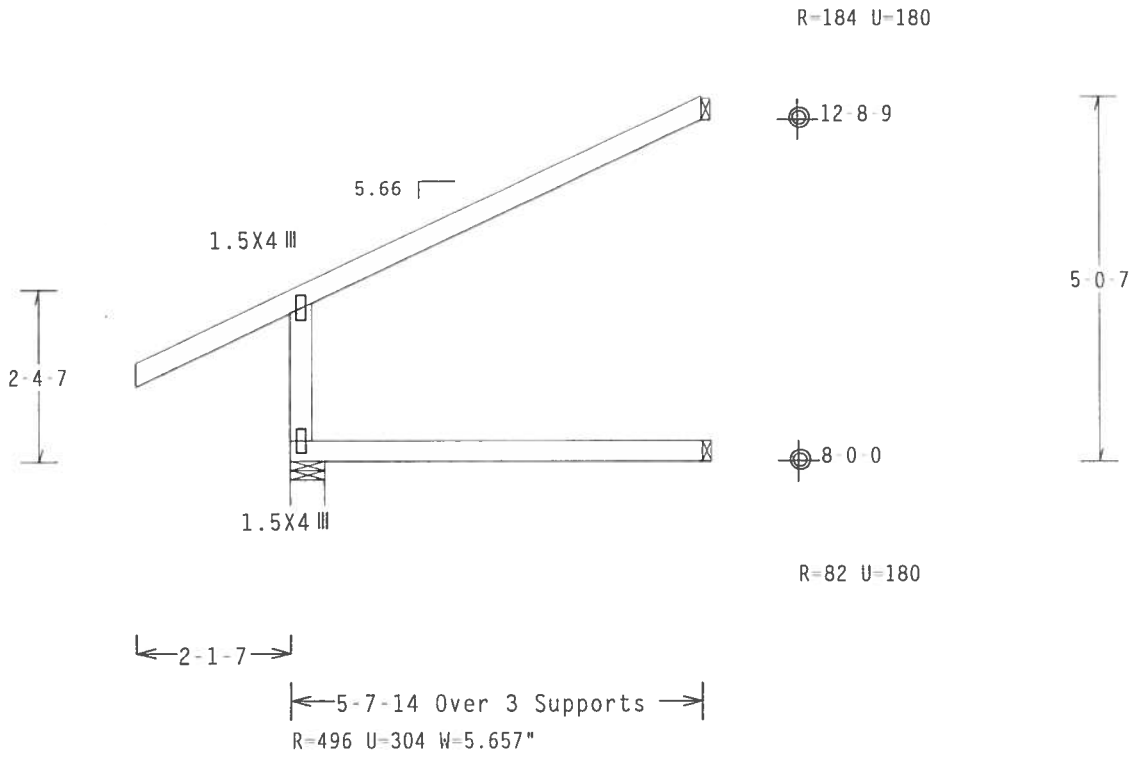
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

| | | | | | | |
|---|---|---|---|---|---|---|
| TC | From | 60 PLF | at -2.12 | to | 60 PLF | at 5.66 |
| BC | From | 4 PLF | at -2.12 | to | 4 PLF | at 0.00 |
| BC | From | 20 PLF | at 0.00 | to | 20 PLF | at 5.66 |
| TC | | 120 LB | Conc. Load | at | 2.95 | |
| BC | | 54 LB | Conc. Load | at | 2.95 | |

Deflection meets L/360 live and L/240 total load.




PLT TYP. Wave TPI | Design Crit: TPI-1995(STD) | 19.6[illegible] | [illegible] | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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MANUEL MARTINEZ
CERTIFICATE
No. 47182
STATE OF FLORIDA
PROFESSIONAL ENGINEER

| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R487-- 5488 |
| TC DL | 10.0 PSF | DATE 02/27/04 |
| BC DL | 10.0 PSF | DRW HCUSR487 04058074 |
| BC LL | 0.0 PSF | HC-ENG JB/MMA |
| TOT.LD. | 40.0 PSF | SEQN- 71237 |
| DUR.FAC. | 1.25 | FROM JP |

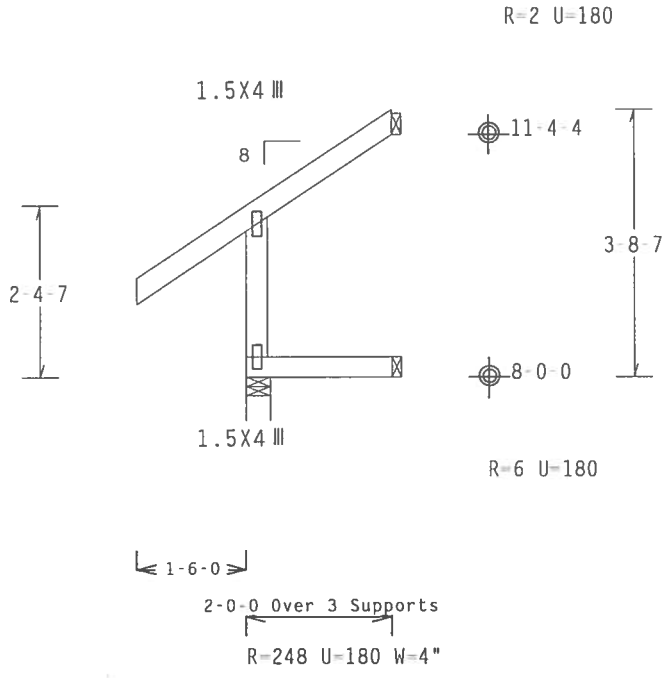
(065 ARARON SIMOUE / SKROWON - CJ2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.00.

110 mph wind, 10.54 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.




PLT TYP. Wave TPI | Design Crit: TPI-1995(STD) | 19.6 | Qty:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
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1950 Marley Drive

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MANUEL MARTINEZ CERTIFICATE No. 47182 STATE OF FLORIDA PROFESSIONAL ENGINEER

| | | |
|---|---|---|
| LL | 20.0 PSF | REF R487-- 5489 |
| DL | 10.0 PSF | DATE 02/27/04 |
| DL | 10.0 PSF | DRW HCUSR487 04058075 |
| SC LL | 0.0 PSF | HC-ENG JB/MMA |
| TOT.LD. | 40.0 PSF | SEQN- 71231 |
| DUR.FAC. | 1.25 | FROM JP |

(065-ARARON SIMQUE / SKROWON - F 1)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

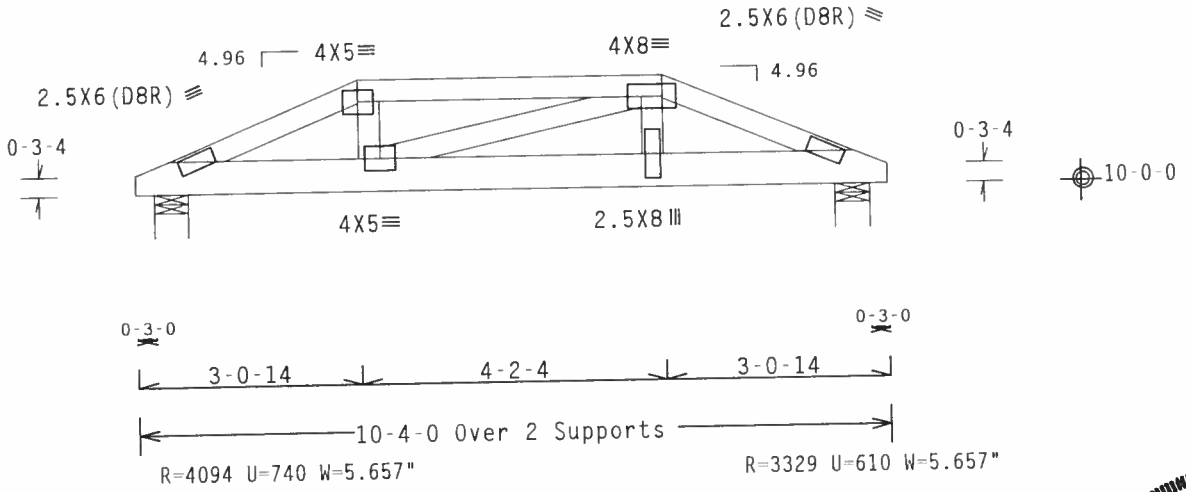
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 10.33
BC - From 20 PLF at 0.00 to 20 PLF at 10.33
BC - 1347 LB Conc. Load at 0.73, 2.73, 4.73, 6.73
BC - 1210 LB Conc. Load at 8.60

Deflection meets L/360 live and L/240 total load.

## 2 COMPLETE TRUSSES REQUIRED

NAILING SCHEDULE: (12d_common_nails)
TOP CHORD: 1 ROW @ 12" o.c.
BOT CHORD: 2 ROWS @ 6" o.c. (EACH ROW)
WEBS : 1 ROW @ 4" o.c.
USE EQUAL SPACING BETWEEN ROWS AND STAGGER NAILS
IN EACH ROW TO AVOID SPLITTING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.




PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)

19.6[illegible] Qty:1

FL/-/4/-/-/R/-

Scale =.375"/Ft.

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MANUEL MARTINEZ
CERTIFICATE
No. 47182
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

| | | |
|---|---|---|
| | LL | 20.0 PSF |
| ★ TC | DL | 10.0 PSF |
| BC | DL | 10.0 PSF |
| | C LL | 0.0 PSF |
| | TOT.LD. | 40.0 PSF |
| | DUR.FAC. | 1.25 |

| | |
|---|---|
| REF | R487-- 5490 |
| DATE | 02/27/04 |
| DRW | HCUSR487 04058076 |
| | HC-ENG JB/MMA |
| SEQN- | 71108 |
| FROM | JP |

(065-ARARON SIMOUE / SKROWON - KGE)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

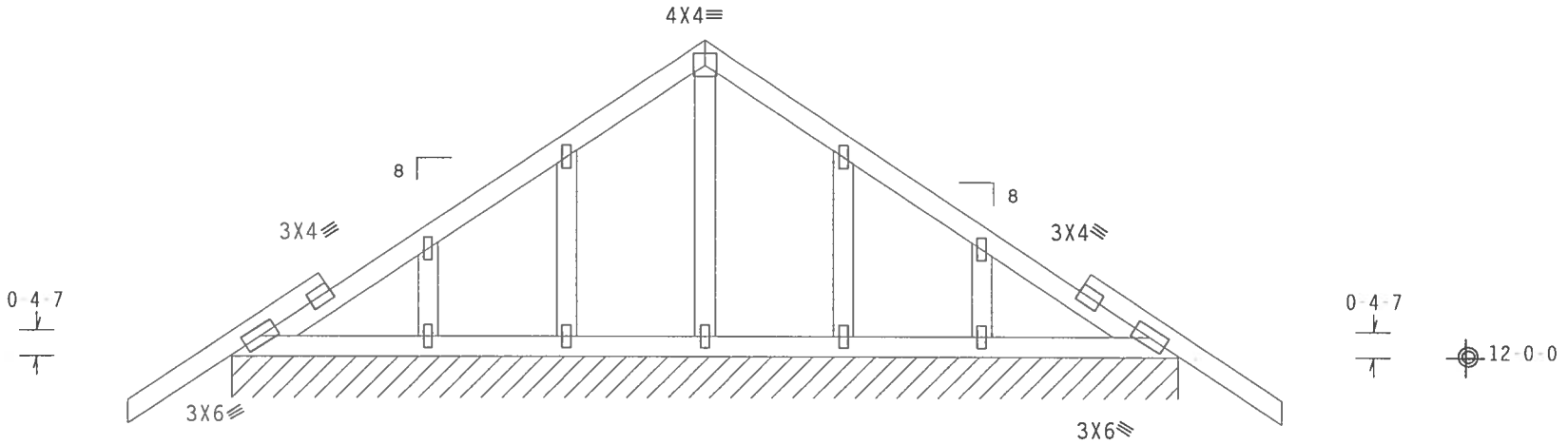
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

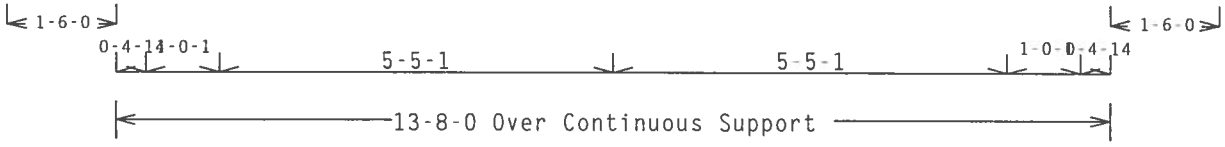
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 82 PLF at 1.50 to 82 PLF at 15.17
BC - From 4 PLF at 1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 13.67
BC - From 4 PLF at 13.67 to 4 PLF at 15.17

110 mph wind, 13.97 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN1103 for more requirements.

Deflection meets L/360 live and L/240 total load.




R=121 PLF U=41 PLF W=13-8-0

Note: All Plates Are W1.5X4 Except As Shown.

PLT TYP. Wave TPI Design Crit: TPI-1995(STD) 19.63 ... FL/-/4/-/-/R/- Scale =.375"/Ft.

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MANUEL MARTINEZ
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No. 47182
STATE OF FLORIDA
PROFESSIONAL ENGINEER

| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R487-- 5491 |
| TC DL | 10.0 PSF | DATE 02/27/04 |
| BC DL | 10.0 PSF | DRW HCUSR487 04058077 |
| BC LL | 0.0 PSF | HC-ENG JB/MMA |
| TOT.LD. | 40.0 PSF | SEQN- 71105 |
| DUR.FAC. | 1.25 | FROM JP |

(065-ARARON SIMQUE / SKROWON - K 1)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 15.17
BC - From 20 PLF at 0.00 to 20 PLF at 13.67
BC - 1187 LB Conc. Load at 0.40
BC - 1183 LB Conc. Load at 2.40
BC - 1177 LB Conc. Load at 4.40
BC - 1173 LB Conc. Load at 6.40, 8.40
BC - 1188 LB Conc. Load at 10.40
BC - 1190 LB Conc. Load at 12.40

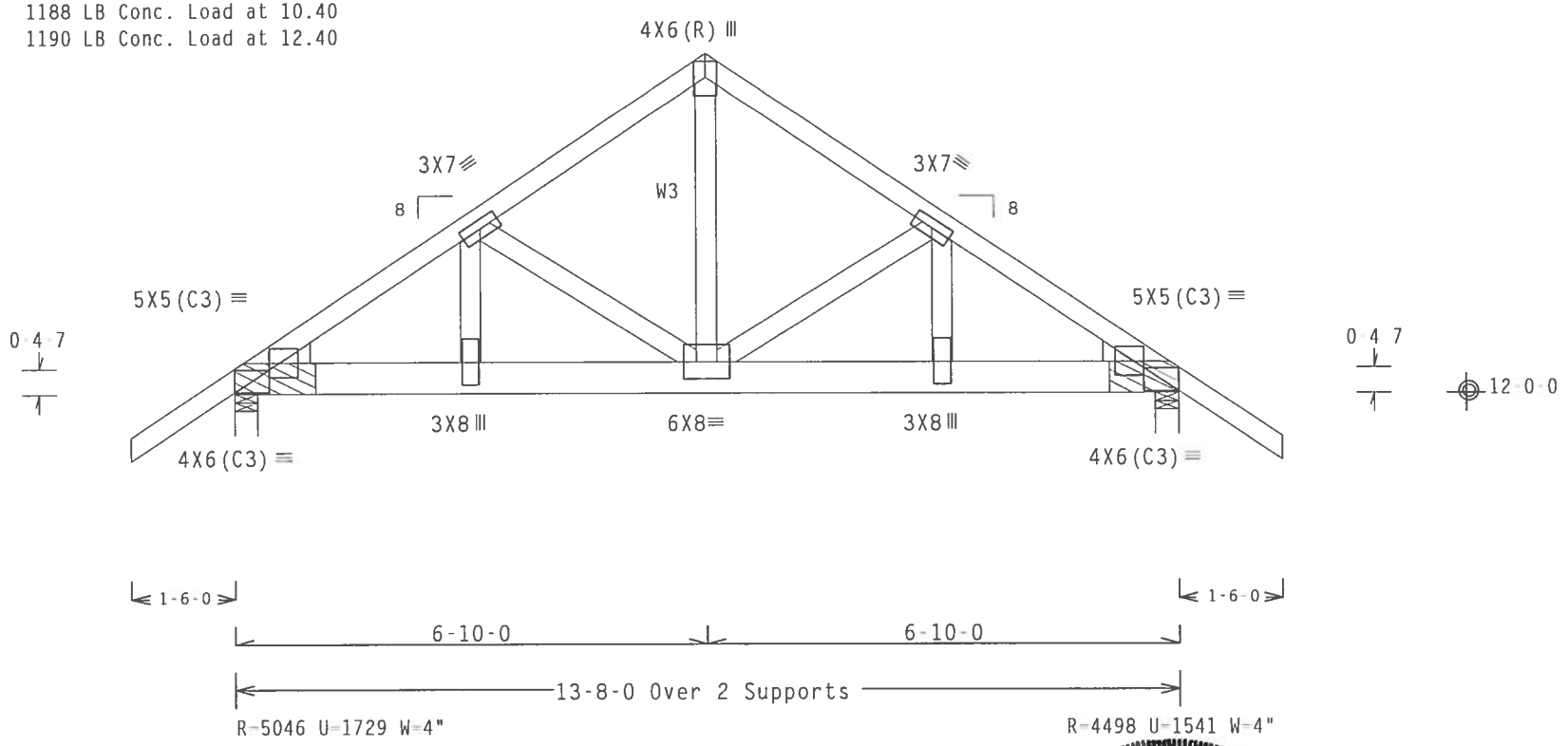
Bearing blocks: Nail type: 12d common nails

| BRG | X-LOC | #BLOCKS | LENGTH/BLK | #NAILS/BLK | WALL PLATE |
|---|---|---|---|---|---|
| 1 | 0.000' | 1 | 14" | 10 | Match Truss |
| 2 | 13.333' | 1 | 12" | 5 | Match Truss |

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK0503 for additional information.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.




PLT TYP. Wave TPI | Design Crit: TPI-1995(STD) | 19.63 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

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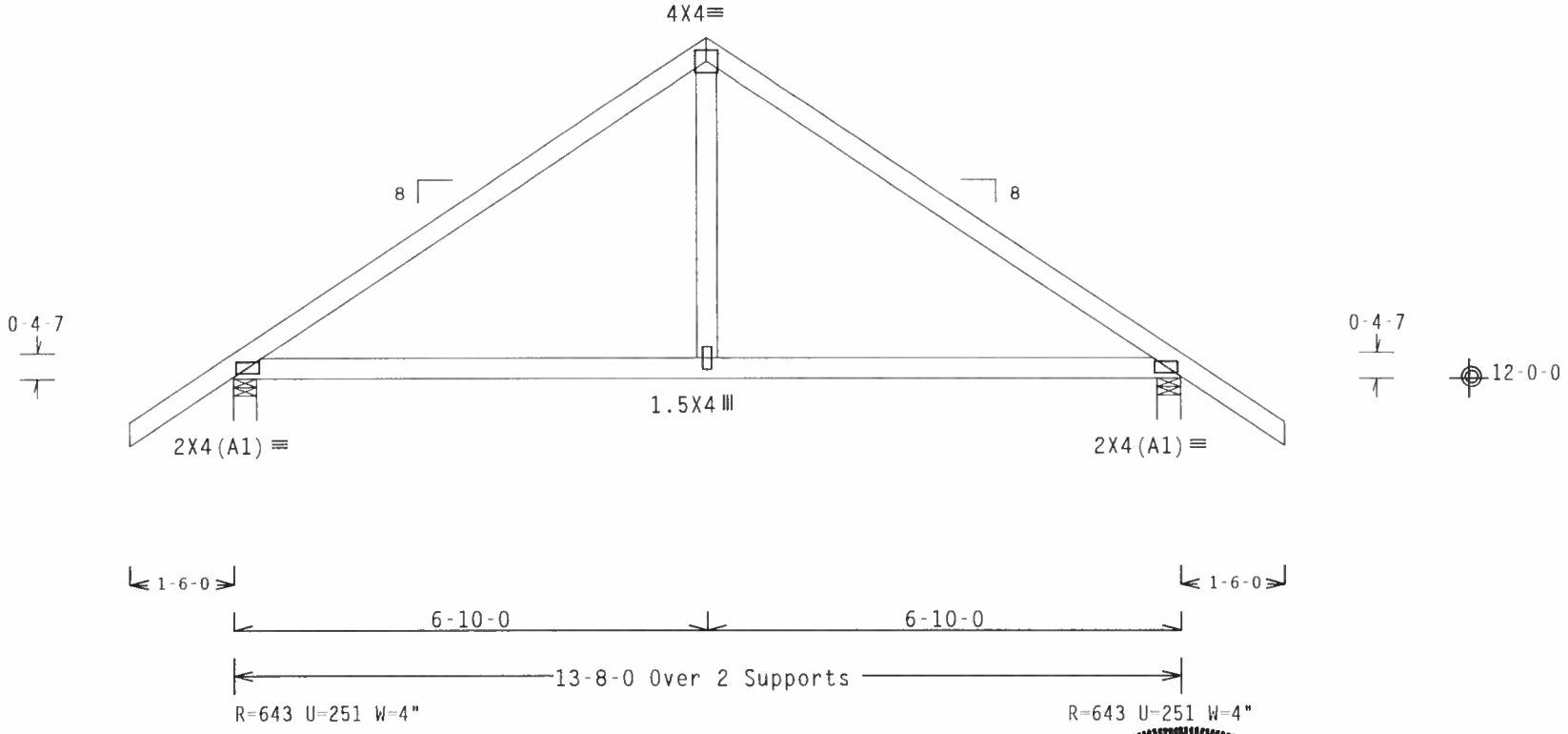
| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R487-- 5492 |
| TC DL | 10.0 PSF | DATE 02/27/04 |
| BC DL | 10.0 PSF | DRW HCUSR487 04058078 |
| BC LL | 0.0 PSF | HC-ENG JB/MMA |
| TOT.LD. | 40.0 PSF | SEQN- 71333 |
| DUR.FAC. | 1.25 | FROM JP |

(065-ARARON SIMQUE / SKROWON - K)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 14.15 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.




PLT TYP. Wave TPI | Design Crit: TPI-1995(STD) | 19.63 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 7. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

MANUEL MARTINEZ
CERTIFICATE
No. 47182
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

| | | |
|---|---|---|
| | LL | 20.0 PSF |
| T | DL | 10.0 PSF |
| B | DL | 10.0 PSF |
| C | LL | 0.0 PSF |
| | TOT.LD. | 40.0 PSF |
| | DUR.FAC. | 1.25 |

| | |
|---|---|
| REF | R487-- 5493 |
| DATE | 02/27/04 |
| DRW | HCUSR487 04058079 |
| HC-ENG | JB/MMA |
| SEQN- | 71115 |
| FROM | JP |

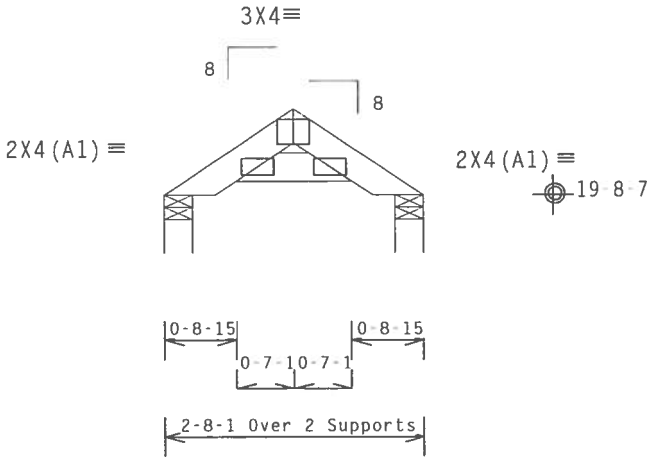
(065-ARARON SIMQUE / SKROWON - AP)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

REFER TO DWG PIGBACKA1103 OR PIGBACKB1103 FOR PIGGYBACK DETAILS.

110 mph wind, 20.15 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.00.




R=107 U=180 W=3.5"

R=107 U=180 W=3.5"

PLT TYP. Wave TPI | Design Crit: TPI-1995(STD) | 19.6[illegible] | FL/-/4/-/-/R/- | Scale =.5"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

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CERTIFICATE
No. 47182
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

| | | |
|---|---|---|
| TC LL | 20.0 PSF | REF R487-- 5494 |
| TC DL | 10.0 PSF | DATE 02/27/04 |
| BC DL | 10.0 PSF | DRW HCUSR487 04058080 |
| BC LL | 0.0 PSF | HC-ENG JB/MMA |
| TOT.LD. | 40.0 PSF | SEQN- 70998 |
| DUR.FAC. | 1.25 | FROM JP |

# CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

## NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

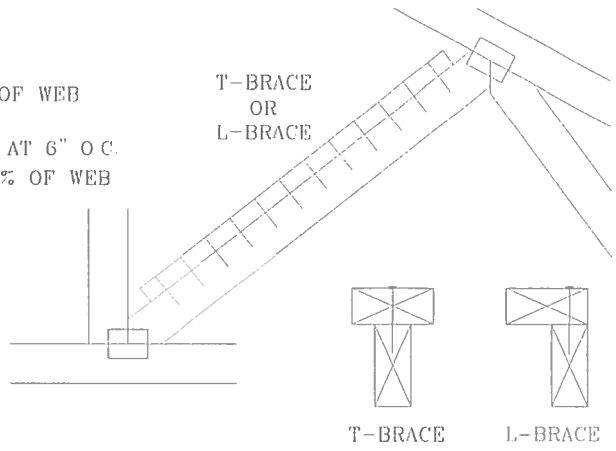
| WEB MEMBER SIZE | SPECIFIED CLB BRACING | ALTERNATIVE BRACING T OR L-BRACE | ALTERNATIVE BRACING SCAB BRACE |
|---|---|---|---|
| 2X3 OR 2X4 | 1 ROW | 2X4 | 1-2X4 |
| 2X3 OR 2X4 | 2 ROWS | 2X6 | 2-2X4 |
| 2X6 | 1 ROW | 2X4 | 1-2X6 |
| 2X6 | 2 ROWS | 2X6 | 2-2X4(*) |
| 2X8 | 1 ROW | 2X6 | 1-2X8 |
| 2X8 | 2 ROWS | 2X6 | 2-2X6(*) |

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

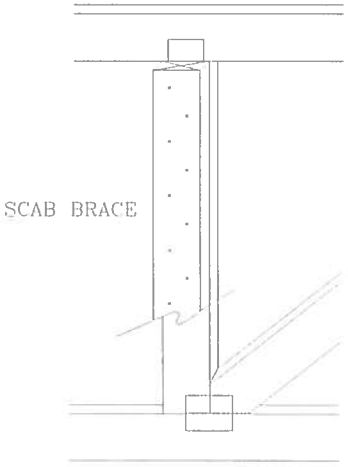
## T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH




## SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d OR 128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH




THIS DRAWING REPLACES DRAWING 579.640

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



MANUEL MARTINEZ
CERTIFICATE
No. 47182
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/22/2003

| | | |
|---|---|---|
| TC LL | PSF | REF CLB SUBST. |
| TC DL | PSF | DATE 11/26/03 |
| BC DL | PSF | DRWG BRCLBSUB1103 |
| BC LL | PSF | -ENG MLH/KAR |
| TOT. LD. | PSF | |
| DUR. FAC. | | |
| SPACING | | |

# ASCE 7-98: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

| 2X4 GABLE VERTICAL SPACING | SPECIES | BRACE GRADE | NO BRACES | (1) 1X4 "L" BRACE * | | (1) 2X4 "L" BRACE * | | (2) 2X4 "L" BRACE ** | | (1) 2X6 "L" BRACE * | | (2) 2X6 "L" BRACE ** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B | GROUP A | GROUP B |
| 24" O.C. | SPF HF | #1 / #2 | 3' 10" | 6' 8" | 6' 10" | 7' 11" | 8' 1" | 9' 5" | 9' 8" | 12' 5" | 12' 9" | 14' 0" | 14' 0" |
| | | #3 | 3' 9" | 6' 0" | 6' 0" | 7' 11" | 7' 11" | 9' 5" | 9' 5" | 12' 4" | 12' 4" | 14' 0" | 14' 0" |
| | | STUD | 3' 9" | 6' 0" | 6' 0" | 7' 11" | 7' 11" | 9' 5" | 9' 5" | 12' 3" | 12' 3" | 14' 0" | 14' 0" |
| | | STANDARD | 3' 9" | 5' 2" | 5' 2" | 6' 9" | 6' 9" | 9' 1" | 9' 1" | 10' 7" | 10' 7" | 14' 0" | 14' 0" |
| | SP DFL | #1 | 4' 3" | 6' 8" | 7' 2" | 7' 11" | 8' 6" | 9' 5" | 10' 2" | 12' 5" | 13' 5" | 14' 0" | 14' 0" |
| | | #2 | 4' 2" | 6' 8" | 7' 2" | 7' 11" | 8' 6" | 9' 5" | 10' 2" | 12' 5" | 13' 5" | 14' 0" | 14' 0" |
| | | #3 | 4' 0" | 6' 2" | 6' 2" | 7' 11" | 8' 1" | 9' 5" | 9' 11" | 12' 5" | 12' 8" | 14' 0" | 14' 0" |
| | | STUD | 4' 0" | 6' 1" | 6' 1" | 7' 11" | 8' 0" | 9' 5" | 9' 11" | 12' 5" | 12' 6" | 14' 0" | 14' 0" |
| | | STANDARD | 3' 10" | 5' 3" | 5' 3" | 6' 11" | 6' 11" | 9' 4" | 9' 4" | 10' 10" | 10' 10" | 14' 0" | 14' 0" |
| 16" O.C. | SPF HF | #1 / #2 | 4' 5" | 7' 8" | 7' 10" | 9' 1" | 9' 4" | 10' 10" | 11' 1" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | #3 | 4' 4" | 7' 4" | 7' 4" | 9' 1" | 9' 1" | 10' 10" | 10' 10" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | STUD | 4' 4" | 7' 4" | 7' 4" | 9' 1" | 9' 1" | 10' 10" | 10' 10" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | STANDARD | 4' 4" | 6' 4" | 6' 4" | 8' 4" | 8' 4" | 10' 10" | 10' 10" | 12' 11" | 12' 11" | 14' 0" | 14' 0" |
| | SP DFL | #1 | 4' 10" | 7' 8" | 8' 3" | 9' 1" | 9' 9" | 10' 10" | 11' 8" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | #2 | 4' 9" | 7' 8" | 8' 3" | 9' 1" | 9' 9" | 10' 10" | 11' 8" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | #3 | 4' 6" | 7' 7" | 7' 7" | 9' 1" | 9' 6" | 10' 10" | 11' 4" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | STUD | 4' 6" | 7' 6" | 7' 6" | 9' 1" | 9' 6" | 10' 10" | 11' 4" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | STANDARD | 4' 5" | 6' 5" | 6' 5" | 8' 6" | 8' 6" | 10' 10" | 11' 1" | 13' 3" | 13' 3" | 14' 0" | 14' 0" |
| 12" O.C. | SPF HF | #1 / #2 | 4' 11" | 8' 5" | 8' 8" | 10' 0" | 10' 3" | 11' 11" | 12' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | #3 | 4' 9" | 8' 5" | 8' 5" | 10' 0" | 10' 0" | 11' 11" | 11' 11" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | STUD | 4' 9" | 8' 5" | 8' 5" | 10' 0" | 10' 0" | 11' 11" | 11' 11" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | STANDARD | 4' 9" | 7' 3" | 7' 3" | 9' 7" | 9' 7" | 11' 11" | 11' 11" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | SP DFL | #1 | 5' 4" | 8' 5" | 9' 1" | 10' 0" | 10' 9" | 11' 11" | 12' 10" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | #2 | 5' 3" | 8' 5" | 9' 1" | 10' 0" | 10' 9" | 11' 11" | 12' 10" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | #3 | 5' 0" | 8' 5" | 8' 5" | 10' 0" | 10' 6" | 11' 11" | 12' 6" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | STUD | 5' 0" | 8' 5" | 8' 7" | 10' 0" | 10' 6" | 11' 11" | 12' 6" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |
| | | STANDARD | 4' 11" | 7' 5" | 7' 5" | 9' 10" | 9' 10" | 11' 11" | 12' 3" | 14' 0" | 14' 0" | 14' 0" | 14' 0" |

BRACING GROUP SPECIES AND GRADES

GROUP A:

| SPRUCE-PINE-FIR | |
|---|---|
| #1 / #2 | STANDARD |
| #3 | STUD |

| HEM-FIR | |
|---|---|
| #2 | STUD |
| #3 | STANDARD |

| DOUGLAS FIR-LARCH |
|---|
| #3 |
| STUD |
| STANDARD |

| SOUTHERN PINE |
|---|
| #3 |
| STUD |
| STANDARD |

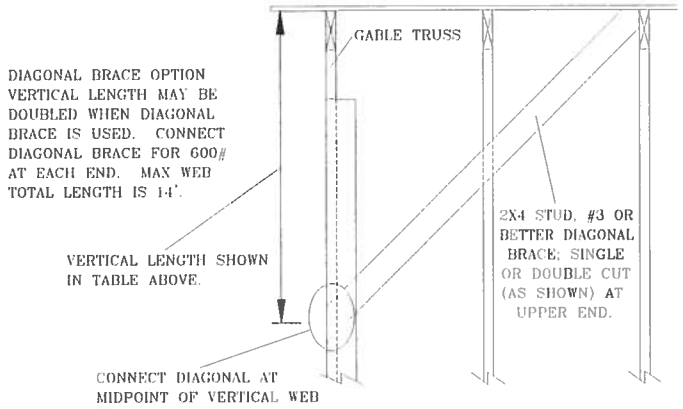
GROUP B:

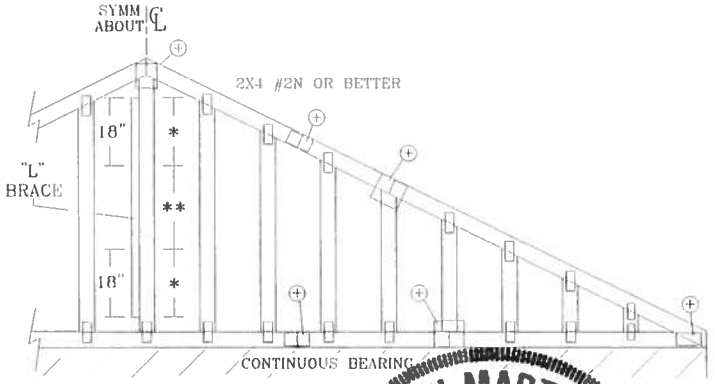
| HEM-FIR |
|---|
| #1 & BTR |
| #1 |

| SOUTHERN PINE |
|---|
| #1 |
| #2 |

| DOUGLAS FIR-LARCH |
|---|
| #1 |
| #2 |

DIAGONAL BRACE OPTION VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.




REFER TO CHART ABOVE FOR [illegible] VERTICAL LENGTH

## GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS
* FOR (1) "L" BRACE SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

| VERTICAL LENGTH | NO SPLICE |
|---|---|
| LESS THAN 4' 0" | 1X4 OR 2X3 |
| GREATER THAN 4' 0", BUT LESS THAN 11' 6" | 2X4 |
| GREATER THAN 11' 6" | 2.5X4 |

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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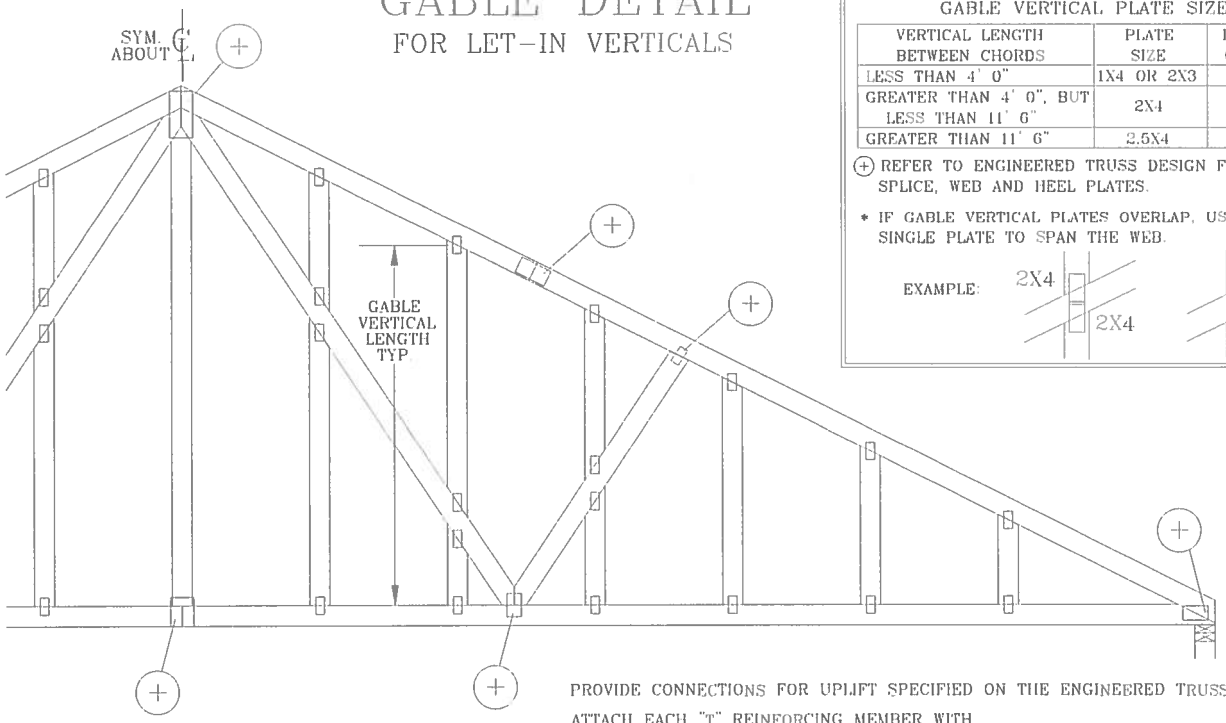
MANUEL MARTINEZ CERTIFICATE No. 47182 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/2/2003

MAX TOT LD 60 P.S.F

| | |
|---|---|
| REF | ASCE7-98-GAB11015 |
| DATE | 11/26/03 |
| DRWG | A11015EC1103 |
| ENG | |

# GABLE DETAIL
## FOR LET-IN VERTICALS



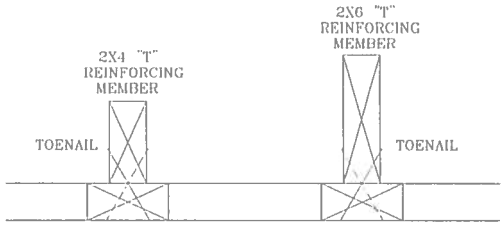

| GABLE VERTICAL PLATE SIZES | | |
|---|---|---|
| VERTICAL LENGTH BETWEEN CHORDS | PLATE SIZE | IF PLATES OVERLAP* |
| LESS THAN 4' 0" | 1X4 OR 2X3 | 2X8 |
| GREATER THAN 4' 0", BUT LESS THAN 11' 6" | 2X4 | 2X8 |
| GREATER THAN 11' 6" | 2.5X4 | 2.5X8 |

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:



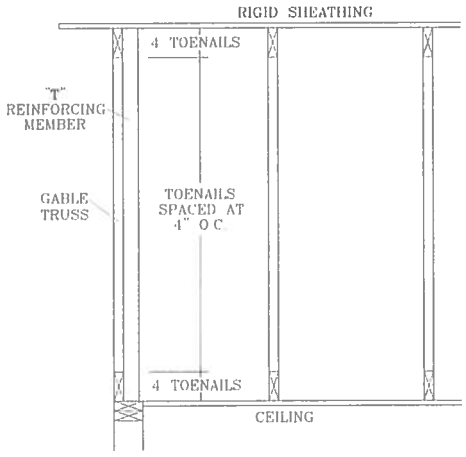

TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

### WEB LENGTH INCREASE W/ "T" BRACE

| WIND SPEED AND MRH | "T" REINF. MBR. SIZE | SBCCI | ASCE |
|---|---|---|---|
| 110 MPH | 2x4 | 10 % | 10 % |
| 15 FT | 2x6 | 40 % | 50 % |
| 110 MPH | 2x4 | 10 % | 10 % |
| 30 FT | 2x6 | 50 % | 50 % |
| 100 MPH | 2x4 | 10 % | 10 % |
| 15 FT | 2x6 | 30 % | 50 % |
| 100 MPH | 2x4 | 10 % | 10 % |
| 30 FT | 2x6 | 40 % | 40 % |
| 90 MPH | 2x4 | 20 % | 10 % |
| 15 FT | 2x6 | 20 % | 40 % |
| 90 MPH | 2x4 | 10 % | 10 % |
| 30 FT | 2x6 | 30 % | 50 % |
| 80 MPH | 2x4 | 10 % | 20 % |
| 15 FT | 2x6 | 10 % | 30 % |
| 80 MPH | 2x4 | 20 % | 10 % |
| 30 FT | 2x6 | 20 % | 40 % |
| 70 MPH | 2x4 | 0 % | 20 % |
| 15 FT | 2x6 | 0 % | 20 % |
| 70 MPH | 2x4 | 10 % | 20 % |
| 30 FT | 2x6 | 10 % | 30 % |

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"




PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS - 0.131" X 3":
TOENAILS AT 4" O.C. PLUS (4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
SBCCI GABLE DETAIL DRAWINGS
S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103
S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DESIGN CONFORMS TO TRUSS DESIGN DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

**WARNING** TPUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, AND FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H.S.) ASTM A653 GRADE 40/60 (W.F./H.S.) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

MANUEL MARTINEZ CERTIFICATE No. 47182 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/22/2004

MAX TOT. LD. 60 PSF
MAX DUR. FAC. ANY
MAX SPACING 24.0"

| | |
|---|---|
| REF | LET-IN VERT |
| DATE | 01/16/04 |
| DRWG | GBLLETIN1103 |
| -ENG | DLJ/KAR |

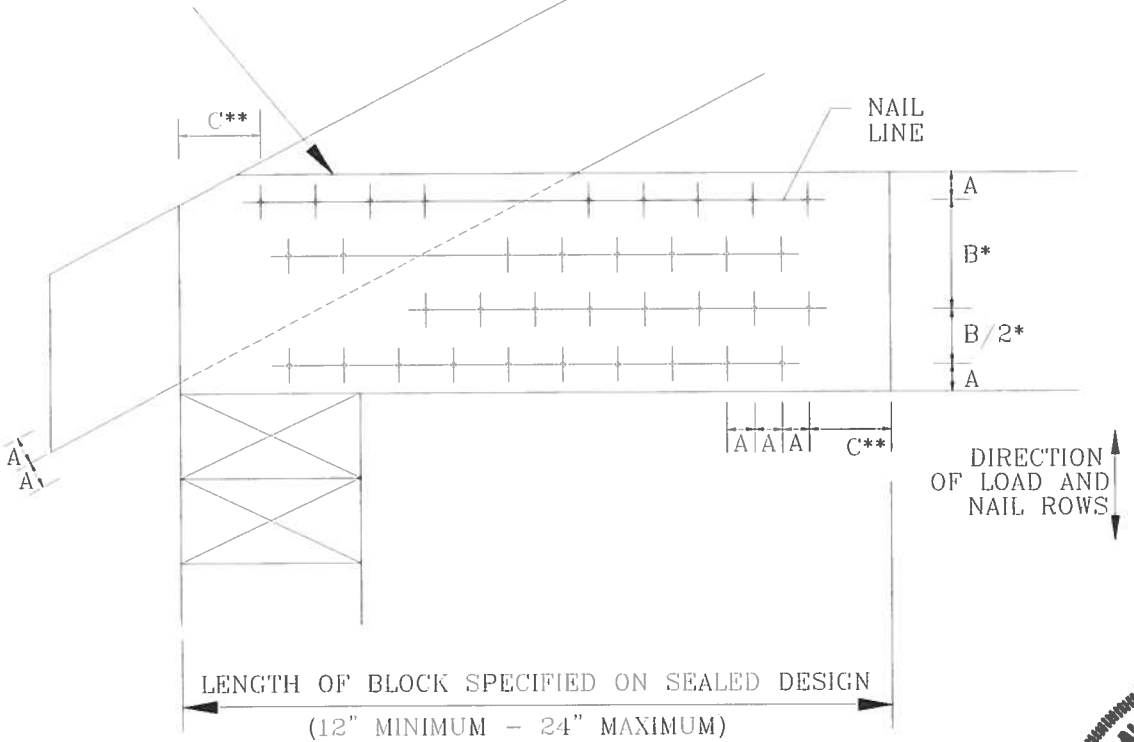
# BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

A – EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B – SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C – END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
- * SPACING MAY BE REDUCED BY 50%
- ** SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.




## MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

| NAIL TYPE | CHORD SIZE 2X4 | 2X6 | 2X8 | 2X10 | 2X12 |
|---|---|---|---|---|---|
| 8d BOX (0.113"X2.5") | 3 | 6 | 9 | 12 | 15 |
| 10d BOX (0.128"X3") | 3 | 5 | 7 | 10 | 12 |
| 12d BOX (0.128"X3.25") | 3 | 5 | 7 | 10 | 12 |
| 16d BOX (0.135"X3.5") | 3 | 5 | 7 | 10 | 12 |
| 20d BOX (0.148"X4") | 2 | 4 | 5 | 6 | 8 |
| 8d COMMON (0.131"X2.5") | 3 | 5 | 7 | 10 | 12 |
| 10d COMMON (0.148"X3") | 2 | 4 | 6 | 8 | 10 |
| 12d COMMON (0.148"X3.25") | 2 | 4 | 6 | 8 | 10 |
| 16d COMMON (0.162"X3.5") | 2 | 4 | 6 | 8 | 10 |
| 0.120"X2.5" GUN | 3 | 6 | 8 | 11 | 14 |
| 0.131"X2.5" GUN | 3 | 5 | 7 | 10 | 12 |
| 0.120"X3.0" GUN | 3 | 6 | 8 | 11 | 14 |
| 0.131"x3.0" GUN | 3 | 5 | 7 | 10 | 12 |

## MINIMUM NAIL SPACING DISTANCES

| NAIL TYPE | DISTANCES A | B* | C** |
|---|---|---|---|
| 8d BOX (0.113"X2.5") | 3/4" | 1 3/8" | 1 3/4" |
| 10d BOX (0.128"X3") | 7/8" | 1 5/8" | 2" |
| 12d BOX (0.128"X3.25") | 7/8" | 1 5/8" | 2" |
| 16d BOX (0.135"X3.5") | 7/8" | 1 5/8" | 2 1/8" |
| 20d BOX (0.148"X4") | 1" | 1 7/8" | 2 1/4" |
| 8d COMMON (0.131"X2.5") | 7/8" | 1 5/8" | 2" |
| 10d COMMON (0.148"X3") | 1" | 1 7/8" | 2 1/4" |
| 12d COMMON (0.148"X3.25") | 1" | 1 7/8" | 2 1/4" |
| 16d COMMON (0.162"X3.5") | 1" | 2" | 2 1/2" |
| 0.120"X2.5" GUN | 3/4" | 1 1/2" | 1 7/8" |
| 0.131"X2.5" GUN | 7/8" | 1 5/8" | 2" |
| 0.120"X3.0" GUN | 3/4" | 1 1/2" | 1 7/8" |
| [illegible]" GUN | 7/8" | 1 5/8" | 2" |

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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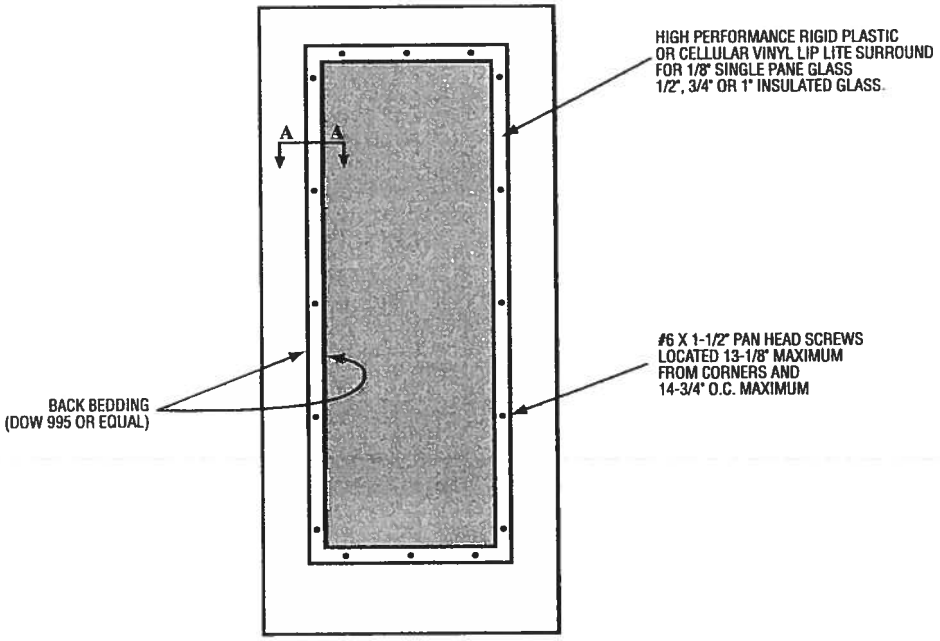
MANUEL MARTINEZ CERTIFICATE No. 47182 STATE OF FLORIDA PROFESSIONAL ENGINEER
2/25/2004

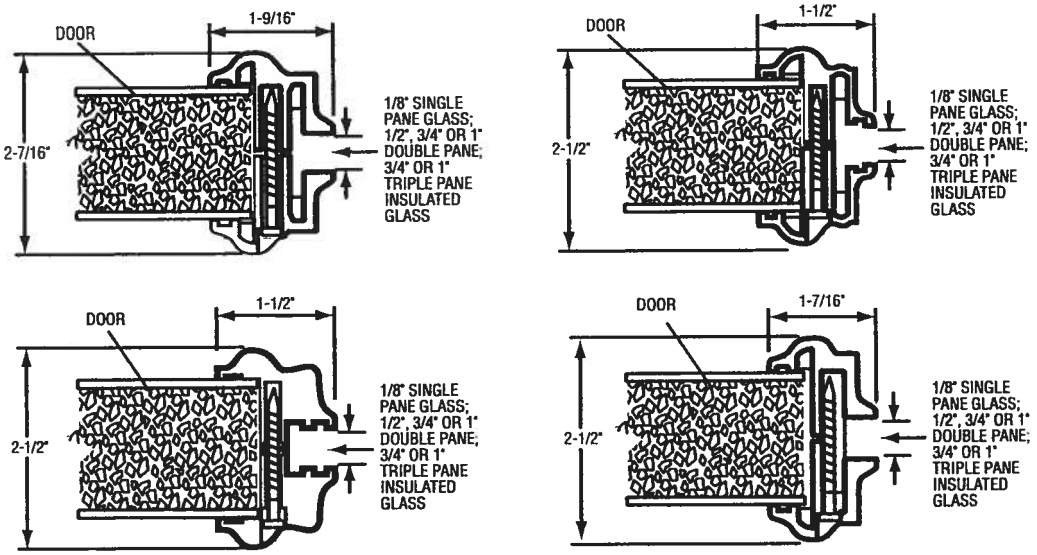
| | |
|---|---|
| REF | BEARING BLOCK |
| DATE | 11/26/03 |
| DRWG | CNBRGBLK1103 |
| ENG | SJP/KAR |

MAD-WL-MA0041-02

# GLASS INSERT IN DOOR OR SIDELITE PANEL




## SECTION A-A
### TYPICAL RIGID PLASTIC LIP LITE SURROUND




*Glass inserts to be sub-listed by Intertek Testing Services/ETL Semko or approved validation service.

Warnock Hersey

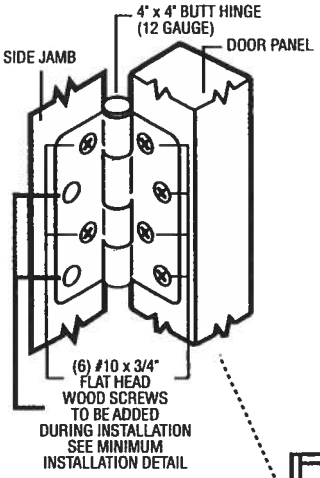
Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

**XX**
Unit

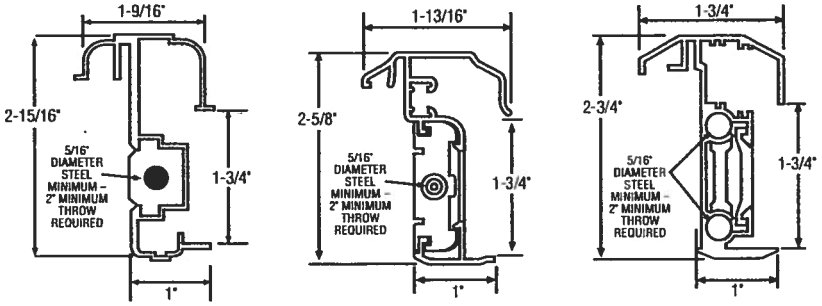
**MAD-WL-MA0012-02**

# OUTSWING UNITS WITH DOUBLE DOOR

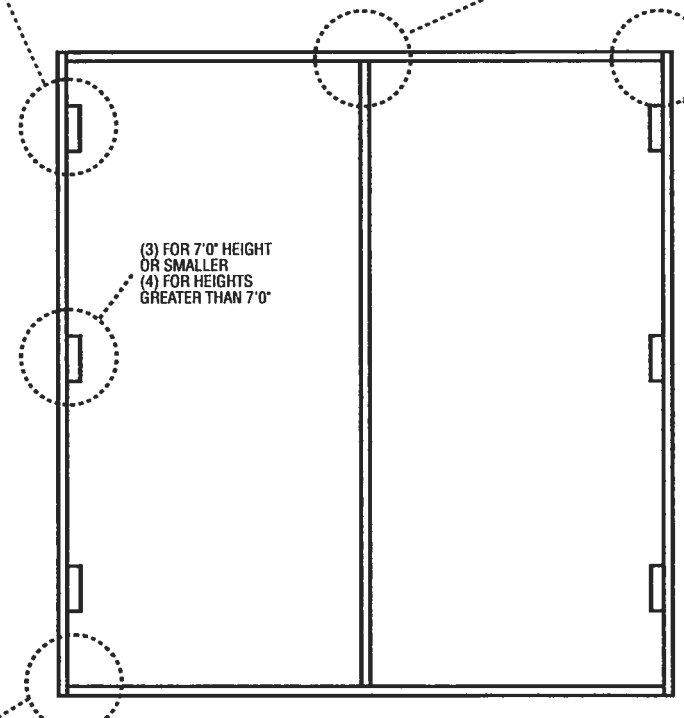
## TYPICAL HINGE ATTACHMENT



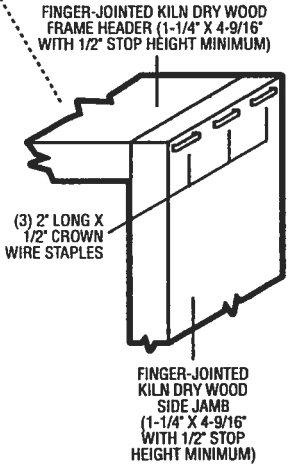

## TYPICAL ASTRAGAL PROFILES



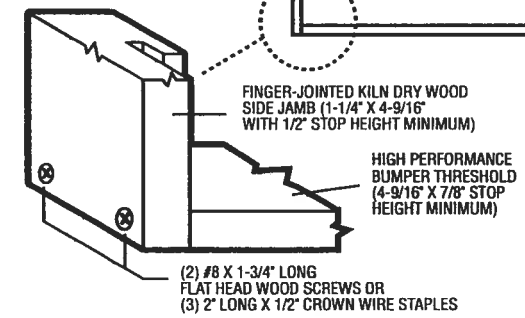

ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.




## TYPICAL HEADER & SIDE JAMB ATTACHMENT




## TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT




Warnock Hersey

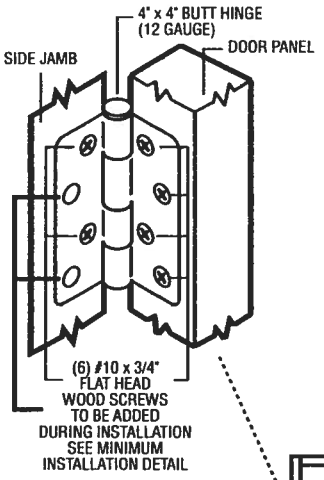
Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.ettsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

**XX**
Unit

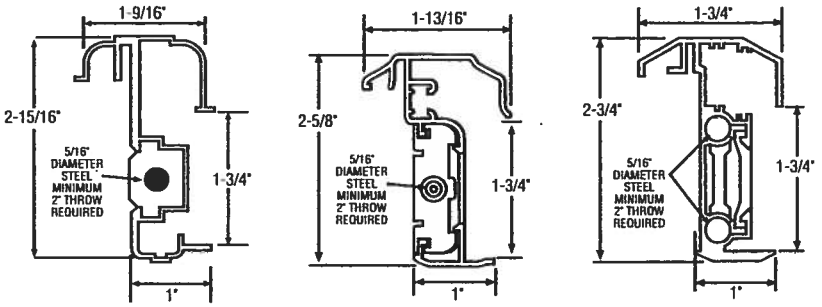
MAD-WL-MA0002-02

# INSWING UNIT WITH DOUBLE DOOR

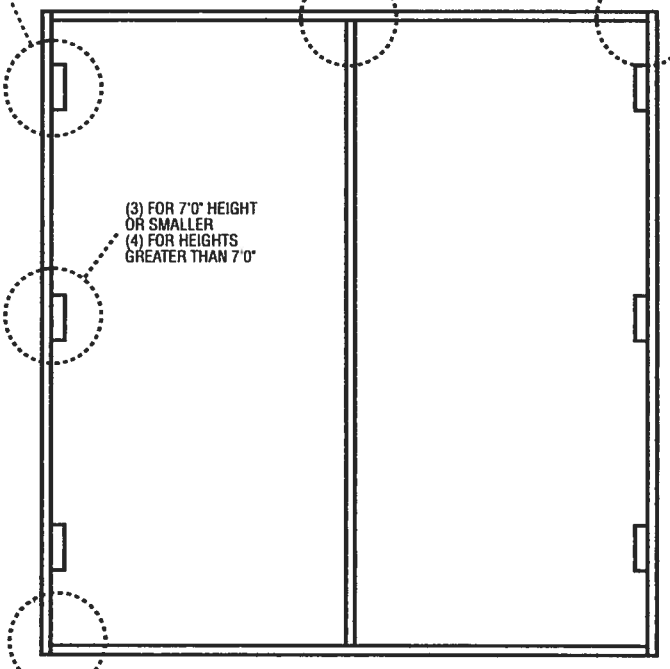
### TYPICAL HINGE ATTACHMENT



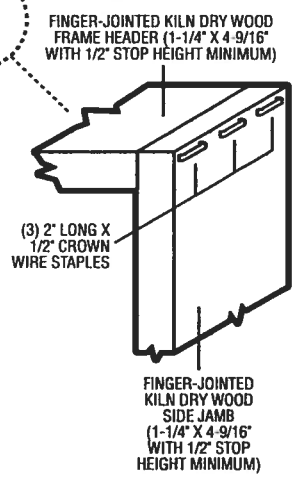

### TYPICAL ASTRAGAL PROFILES



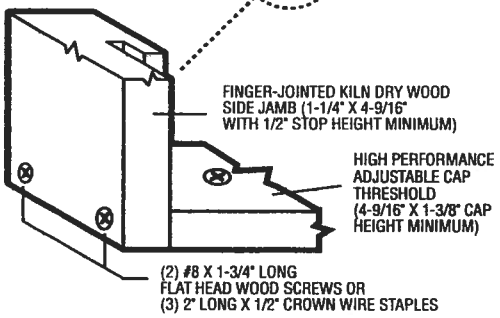

ALUMINUM EXTRUDED ASTRAGAL (0.06" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDERICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS – LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.




### TYPICAL HEADER & SIDE JAMB ATTACHMENT




### TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



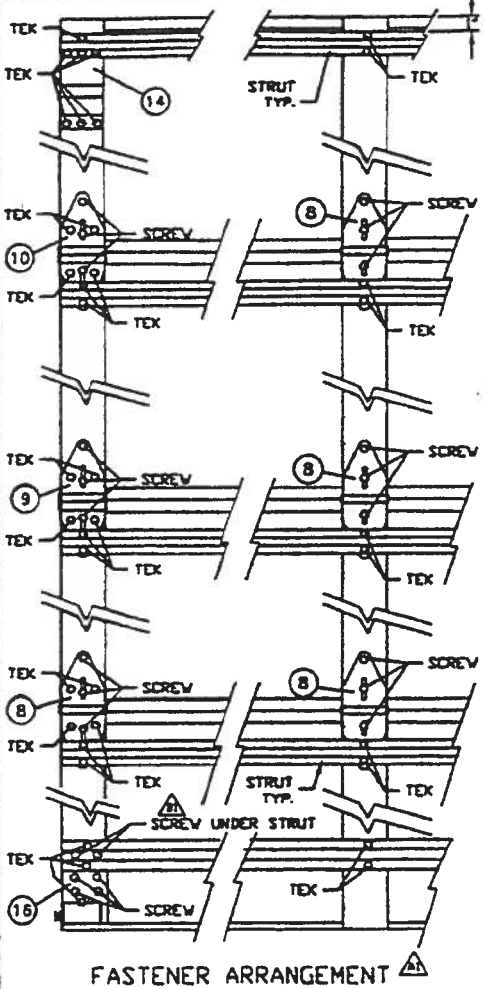

Warnock Hersey

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.



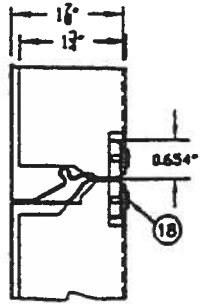


June 17, 2002

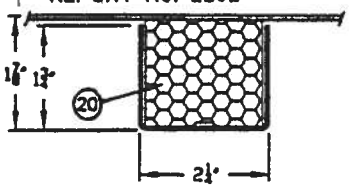



FASTENER ARRANGEMENT

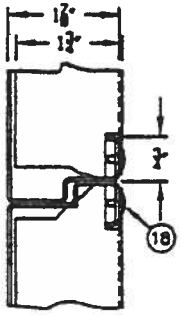
LISTED
SBCCI PST & ESI
REPORT No. 2202



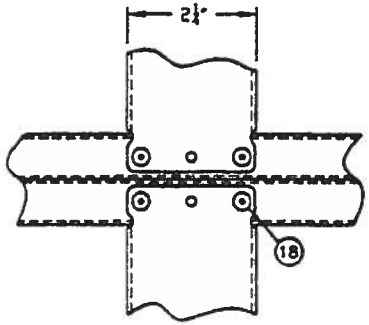

SEC D-D
PAN ATTACHMENT TO STILE (OPTIONAL)



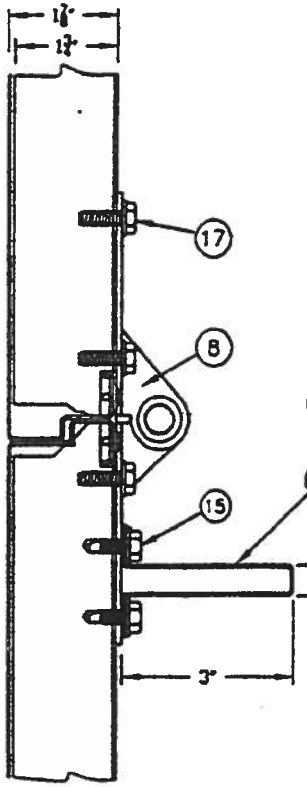
SEC G-G
CENTER STILE
20 GA. GALVANIZED



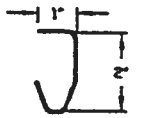
SEC D-D
PAN ATTACHMENT TO STILE (AS TESTED)



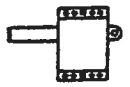
PAN ATTACHMENT TO STILE



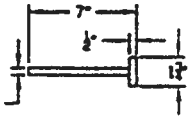

SEC A-A



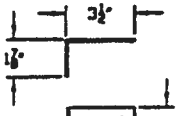

TRACK
16 GA. (.055 MIN.)



12 SIDE LOCK

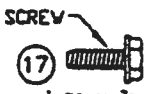



11 ROLLER 10 BALLS.




4 #6 JAMB BRACKET

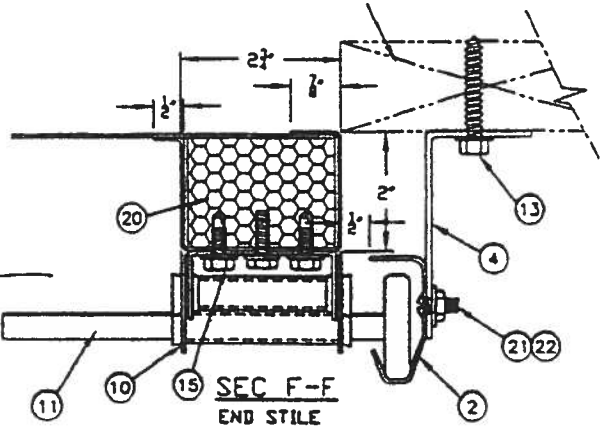
5-3"x20 GA. 80 KSI YIELD STRENGTH HEMMED STRUT APPLIED WITH 2 TEK SCREWS PER HINGE OR STILE LOCATION (14 PER STRUT, MINIMUM)



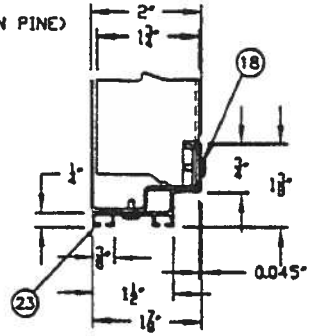

17 ¼-20 X ¾" HEX WASHERHEAD SCREW


15 ¼-20 X ¾" HWH TEK SCREW WITH #2 REDUCED POINT

2x6 PRESSURE TREATED LUMBER (GRADE #2 OR BETTER SOUTHERN PINE)




SEC F-F
END STILE
20 GA. PAINTED STEEL




SEC E-E

| ITEM | PART NO. | DESCRIPTION |
|---|---|---|
| 23 | 3465 | BOTTOM RAIL 6063 T6 ALUM EXT. |
| 22 | 1391 | 1/4"-20 X 5/8" RIBBED NECK SCREW |
| 21 | 4044 | 1/4"-20 SERRATED FLANGE NUT |
| 20 | | 1 LB DENSITY FILLER BLOCK EPS |
| 19 | | |
| 18 | 4385 | POP RIVET 3/32" STEEL |
| 17 | 4229 | HEX WASHERHEAD SCREW 1/4"-20 X 3/4" |
| 16 | 1399L&R | BOTTOM ROLLER BRACKET |
| 15 | 0138 | HWH TEK SCREW 1/4-20 X 3/4 W/ REDUCED PT. |
| 14 | 3875 | TOP SUPPORT BRACKET |
| 13 | 4043 | 5/16" X 1-5/8" LAG SCREW |
| 12 | 4710 | SIDE LOCK |
| 11 | 4306 | LONG STEM ROLLER 2" |
| 10 | 4203 | ROLLER CARRIER HINGE #3 (14 GA) |
| 9 | 4202 | ROLLER CARRIER HINGE #2 (14 GA) |
| 8 | 4201 | ROLLER CARRIER HINGE #1 (14 GA) |
| 7 | | COUNTER BALANCE (TORSION BAR & SPRINGS) |
| 6 | | HORIZONTAL TRACK & ANGLE (16 GA) |
| 5 | | VERTICAL FLAG ANGLE |
| 4 | 4585-6 | TRACK BRACKET #6 (12 GA) |
| 3 | | |
| 2 | | VERTICAL TRACK (16 GA.) |
| 1 | | 3" HEMMED STRUT(20 GA.) MIN. YIELD STR. 80KSI |

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: NONE | APPROVED BY: | DRAWN BY: B. VIEBRAN
DATE: 11-7-00 | REVISED (B) 12-1-00

DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR-WINDLOAD ±20 PSF



DRAWING NUMBER: W13220-2

| REV. | DATE | BY | DESCRIPTION |
|---|---|---|---|
| A | 11-27-00 | DW | SEE ECN 834 |
| B | 12-1-00 | DW | SEE ECN 835 |

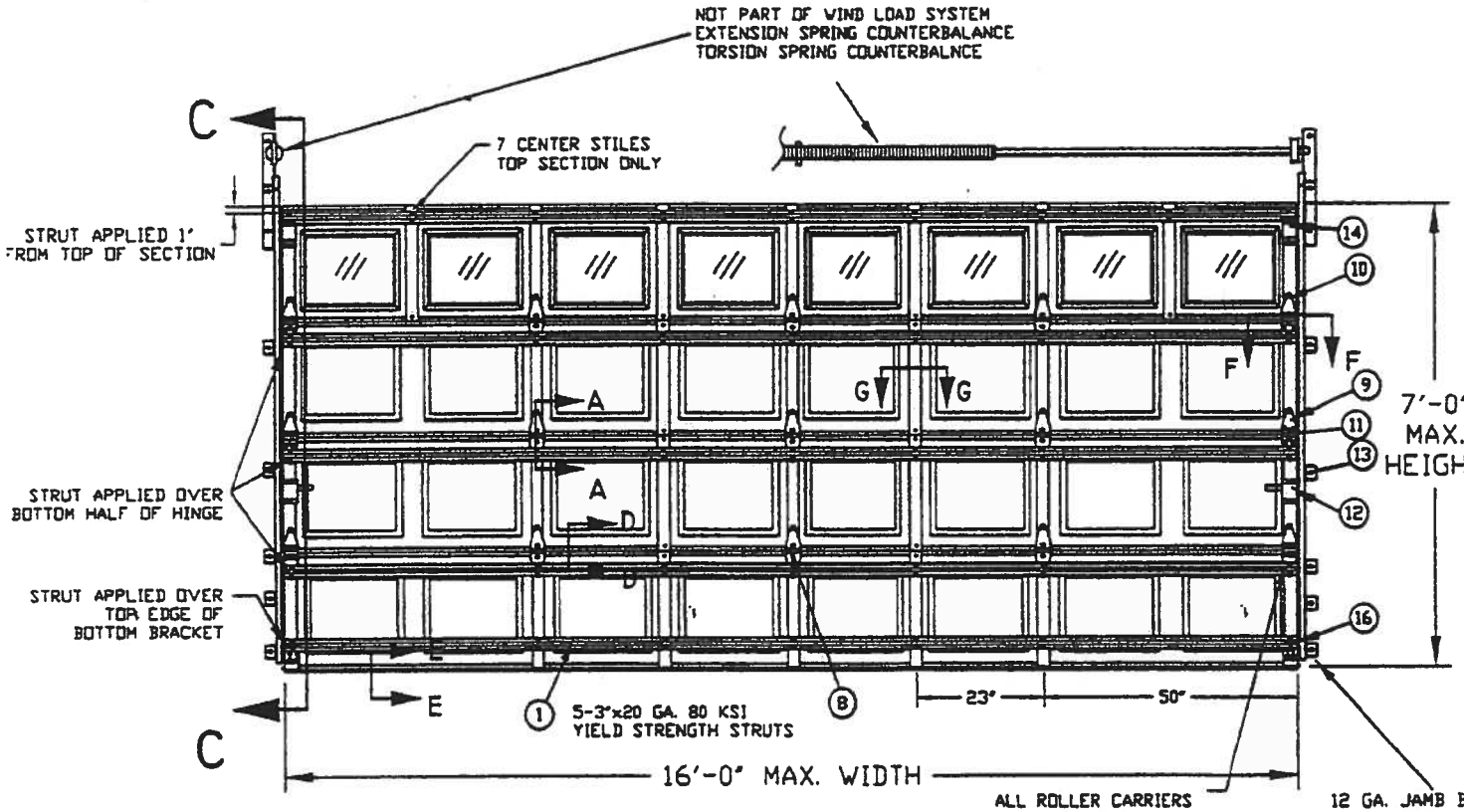
NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER NASSER KEYVAN

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.

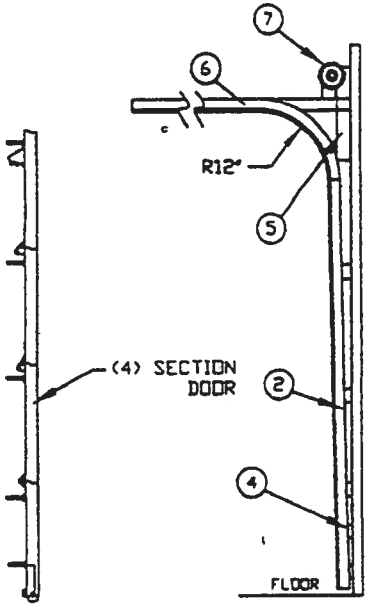
| REV. | DATE | BY | DESCRIPTION |
|---|---|---|---|
| A - A | 11-10-00 | DW | SEE E.C.N. 831 |

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION. (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STEM IS 5½" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR (2 AS TESTED).
9. (A) DROP IN TYPE OF INSULATION IS OPTIONAL




INSIDE ELEVATION




SEC C-C
VERTICAL TRACK, (16 GA.)

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s) dimensions and installation(s) of the door as tested.

SEAL
PE No. 024280
NORTH CAROLINA PROFESSIONAL ENGINEER
ROGER R. REYVAN

LISTED
SBCCI PST & ESI
REPORT No. 2202

TEST REPORTS ON FILE VIDEO 10/19/00 (00293)

DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

GADCO DOORS
SERIES 7400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN (A)
SERIES 7524, EXTERIOR STEEL =.024" MIN (A)
(TESTED) WITH WINDOWS

| MAXIMUM DOOR WIDTH | MAXIMUM DOOR HEIGHT | TYPICAL CTR. STILE SPACING | STRUTS 80 KSI SIZE | STRUTS 80 KSI QTY. | VERTICAL TRACK |
|---|---|---|---|---|---|
| 16' | 7' | 23" | 3" | 5 | 2 IN. |

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

| SCALE: 1/35 | APPROVED BY: | DRAWN BY: D. WICHMAN |
|---|---|---|
| DATE: 10-20-00 | | REVISED: (A) 11-10-00 |

DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR -WINDLOAD ±20 PSF

PART NUMBER: PAGE 1 OF 2 | DRAWING NUMBER: W13220-1