

1530 SW HARRISON ST. DFS01 CO-03-149183

CO.03. 149/83 DFS. 01.

B

OCT 29 2003
MICROFILMED

13

01-149183 DFG01

20

Scale: 0.1237"

Date: 10-01-2003

[JOB 507] HARRISON BLDG.

4/12

78-04-00

40-00-00

8-00-00

13

BEAM POCKET

BEAM POCKET

BEAM POCKET

BEAM POCKET

BEAM POCKET



Campurus Inc.

This design prepared from computer input by
Pacific Lumber (SI)

7.0.0** (LU)-Z

LUMBER SPECIFICATIONS

SIZE	SPECIES GRADE	RANKS (S)
2x 4	DC - #14BTR	TOP CHORDS
2x 4	DT - #14BTR	BOTTOM CHORDS
2x 4	DT	WEBS
2x 4	DT	STAND

YC LATERAL SUPPORT < 12' OC. DON.
BC LATERAL SUPPORT < 12' OC. DON.

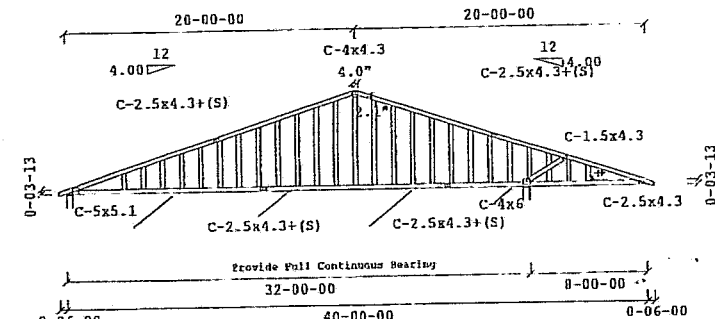
TRUSS SPAN 40'- 0.0"
LOAD DURATION INCREASE = 1.15
SPACED 24.0" O.C.

LOADING

LL (25.0)+UL1 7.0) ON TOP CHORD = 32.0 PSF
DL ON BOTTOM CHORD = 10.0 PSF
TOTAL LOAD = 42.0 PSF

Refer to Campurus standard
gable end detail for complete
specifications.

(2) C-1.5x2.6 or equal,
typical at uprights.



Scale: 1/8"=1'-0"
JOB NAME: 3312-708 EVERGREEN ROOFING - A

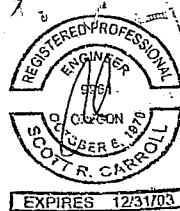
FILE NO.: A
DATE: 10.6/2003
DES. BY: LA
SEQ.: 1407462

WARNINGS:

1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erector or contractor should be advised of all General Notes and Warnings before construction.
3. All connections and bracing must be installed where shown.
4. All lateral force resisting elements such as temporary and permanent bracing, must be designed and installed by designer of complete structure. Campurus assumes no responsibility for such bracing.
5. No load should be applied to any component until all other bracing and fasteners are complete, and at no time should any loads greater than design loads be applied to any component.
6. Components are to be erected and installed on a permanent base.
7. This design is furnished subject to the following conditions: design not held by the Truss Plate Institute's "Building Wood Trusses, Hilti 41", a copy of which will be furnished by Campurus upon request.

General Notes, unless otherwise noted:

1. Design to support loads as shown.
2. Design as shown on the top and bottom chords to be laterally braced at 24.0" o.c. and at 12'-0" o.c. respectively.
3. All inboard bridging or lateral bracing required where shown.
4. Truss fabricator is responsible for the respective contractor.
5. Design as shown is intended to be used in a non-compressive environment, and are for "dry conditions" of use.
6. Design as shown is intended for all supports shown. Sill or wedge if necessary.
7. Design all areas adequate drainage is provided.
8. Plates shall be located on both sides of truss, and placed so their center lines coincide with top center lines.
9. Double indicate size of plate in feet.
10. For basic design values of the Campurus Plate, indicated by the prefix "C" see U.S.D.A. N.D. 401.
11. The Campurus Lateral Section Plate is indicated by the prefix "LH" the designation (1/8) indicates 1/8" gage. Material is steel. No other are 20 ga.





Computer Inc.

This design prepared from computer input by
Pacific Lumber (SI)



7.0.0** (1.1)-E

LUMBER SPECIFICATIONS

SIZE	SPECIE GRADE	PANEL(S)
TOP CHORDS:		
2x 4	DF	111BTR 1-10
BOTTOM CHORDS:		
2x 4	DF	111BTR 1-6
WEBS:		
2x 4	DF	STAND 1-11
TY: LATERAL SUPPORT <= 12" OC. UON.		
RC LATERAL SUPPORT <= 12" OC. UON.		
OVERHANGS: 5.0" 6.0"		
Reactions: 1278 2146		

TRUSS SPAN 40'- 0.0"
LOAD DURATION INCREASE = 1.15
SPACED 24.0" O.C.

LOADING

LL (25.0) + DL (7.0) ON TOP CHORD = 32.0 PSF
DL ON BOTTOM CHORD = 10.0 PSF
TOTAL LOAD = 42.0 PSF

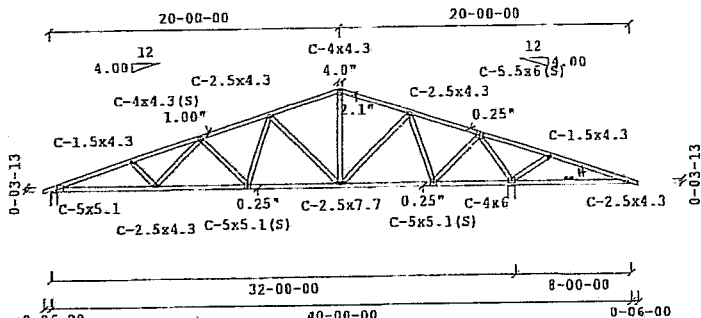
NOTE: TRUSS DESIGN NON-SYMMETRICAL.
ORIENTATION AS SHOWN.

UNC 97/TPI	SINGLE MEMBER	FORCES	4WRGD
T 1 = 0	B 1 = 2922	W 1 = -313	
T 2 = -3146	D 2 = 2374	W 2 = 510	
T 3 = -2914	D 3 = 1814	W 3 = -576	-
T 4 = -2133	B 4 = 998	W 4 = 571	
T 5 = -1330	B 5 = 36	W 5 = -880	
T 6 = -1330	B 6 = -614	W 6 = 556	
T 7 = -868		W 7 = 301	
T 8 = 1085		W 8 = -741	
T 9 = 716		W 9 = 1093	
T 10 = 0		M 10 = -1955	
		M 11 = -162	

LEFT = 1254 RIGHT = 2106

BEARING AREA REQUIRED (SQ. IN)

BRG @ 0'- 0.0" 2.01 DF / 3.10 HF / 2.95 SPF
BRG @ 32'- 0.0" 3.37 DF / 5.20 HF / 4.96 SPF



Scale: 1/8"=0'

JOB NAME: 3312-708 EVERGREEN ROOFING - B

FILE NO.: B

DATE: 10/6/2003

DES. BY: LA

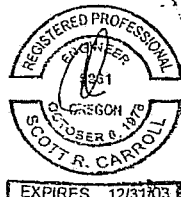
SEQ.: 1407463

WARNINGS:

- Read all General Notes and Warnings before construction of trusses.
- Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
- Truss components and load bearing must be handled with care.
- All lateral force resisting elements such as temporary and permanent bracing, must be designed and provided by designer of complete structure.
- Complete structure must be constructed in accordance with the design.
- No load should be applied in any direction until all bracing and tension are complete, and no time should any loads greater than design loads be applied to any component.
- Complete truss on level and secure and assume no responsibility for the subsequent handling, only must be installed on component.
- Truss design is limited subject to the limitations on truss design set forth by the Truss Plate Book and the Trussing Wood Trusses, Hilti 44, a copy of which will be furnished by Computer, upon request.

General Notes, Unless otherwise noted:

- Design to support loads as shown.
- Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
- 2x4 members bracing the lateral bracing required where shown as a condition of truss in the responsibility of the respective contractor.
- Design assumes trusses are to be used in a non-compressive environment, and are for dry condition.
- Design assumes full bearing at all supports shown. Splice or wedge if necessary.
- Design assumes adequate drainage is provided.
- Plates shall be sized on both sides of truss, and placed on their center lines coincide with joint center lines.
- Single truss shall be sized on plates in inches.
- For basic design values of the Computer Plate, indicated by the prefix "C" on 1-10, 11-12, 13-14.
- The Computer Hilti Section Plate is indicated by the prefix "H" on 1-10, 11-12, 13-14.
- The Computer Hilti Section Plate is indicated by the prefix "C" on 1-10, 11-12, 13-14.





Computer Inc.

This design prepared from computer input by
Specific Lumber (SI)



7.0.0(11)-E

LUMBER SPECIFICATIONS

SITE	SPECIE	GRADE	PANEL(S)
TOP CHORDS:			
2x 4	DF	#1&BTR	1-11
BOTTOM CHORDS:			
2x 4	DF	#1&BTR	1-6
WEBS:			
2x 4	DF	STAND	1-10, 13-14
2x 4	DF	#1&BTR	13-12

TC LATERAL SUPPORT <= 12"OC. UON
BC LATERAL SUPPORT <= 12"OC. UON.

OVERHANGS: 5.0" 6.0"
Reactions: 1283 2141

TRUSS SPAN 40'- 0.0"
LOAD DURATION INCREASE = 1.15
SPACED 24.0" O.C.

LOADING

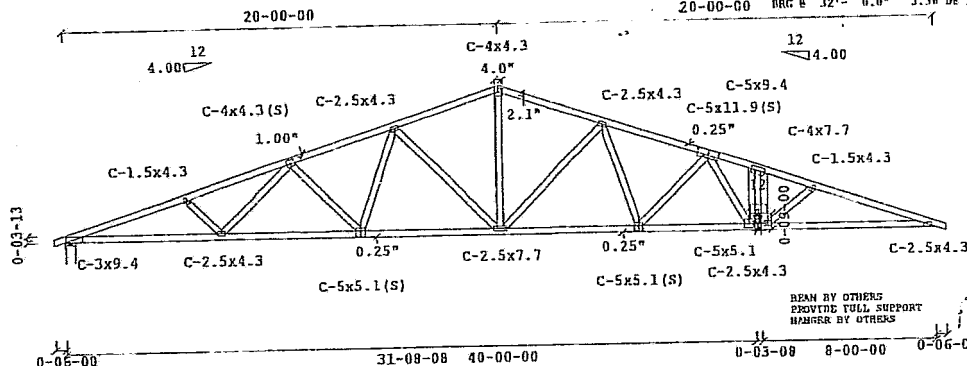
LL 25.0' DL (7.0') ON TOP CHORD = 32.0 PSF
DL ON BOTTOM CHORD = 10.0 PSF
TOTAL LOAD = 42.0 PSF

NOTE: TRUSS DESIGN NON-SYMMETRICAL.
ORIENTATION AS SHOWN.

UNC	97/TPT	SINGLE	MEMBER	FORCES	4MRGD
T 1 =	0	R 1 =	2937	W 1 =	-313 W13= 428
T 2 =	-31.61	B 2 =	2389	W 2 =	509 W14= -396
T 3 =	-292.9	B 3 =	1922	W 3 =	-576
T 4 =	-215.0	B 4 =	1029	W 4 =	572
T 5 =	-134.5	B 5 =	50	W 5 =	-981
T 6 =	-134.6	B 6 =	-655	W 6 =	569
T 7 =		B 7 =	-902	W 7 =	277
T 8 =		B 8 =	119	W 8 =	-729
T 9 =		B 9 =	1008	W 9 =	1123
T10 =		B 10 =	759	W10 =	-1754
T11 =		B 11 =	0	W11 =	1654
				W12 =	144

CANT B 32'- 0.0"
LEFT = 1259 RIGHT = 2101

BEARING AREA REQUIRED (SQ. IN.)
BRG B -0'- 0.0" 2.01 SQ. IN. 3.11/HF / 2.96 SFE
BRG B 32'- 0.0" 3.36 SQ. IN. 5.11/HF / 4.94 SFE



BEAM BY OTHERS
PROVIDE FULL SUPPORT
HANGER BY OTHERS

Scale: 3/16"
JOB NAME: 3312-708 EVERGREEN ROOFING - C

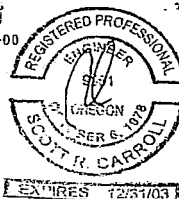
FILE NO.: C
DATE: 10/6/2003
DES. BY: LA
SEQ.: 1407464

WARNINGS:

1. Read all General Notes and Warnings before construction of trusses.
2. Builder and erection contractor should be advised of all General Notes and Warnings before construction commences.
3. All components such as bracing must be installed where shown.
4. All bracing for a building system is such as temporary and permanent bracing, must be designed and provided by designer of complete structure.
5. Complete truss must be installed for each building.
6. No level should be applied to any component in all other all bracing and hardware are complete, and if no time should any level greater than design trade be applied to any component.
7. Complete truss not cut and accompanied responsibility for this building, hardware, adjacent and installation of components.
8. This design is furnished subject to the Building Code as shown design and not by the (Total Plate) Building Code as shown design and not by the (Total Plate) Building Code as shown design and not by the (Total Plate) Building Code as shown design.

General Notes, unless otherwise noted:

1. Design is support loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" and 12'-0" o.c. respectively.
3. All impact bridging or lateral bracing for the truss is the responsibility of the respective contractor.
4. Installation of truss is the responsibility of the respective contractor.
5. Design assumes truss are to be used in a non-combative environment, and are for dry conditions of use.
6. Design assumes full bearing at all supports shown. Blunt or wedge if necessary.
7. Design assumes adequate drainage is provided.
8. Plates shall be fastened on both faces of truss, and placed so their center lines coincide with joint center lines.
9. Girts indicate size of plate in inches.
10. For basic design values see the County Area Plate, indicated by the truss code, see C.B.O. R.R. 421.
11. The Computer Flat Section Plate is indicated by the plate "C". The designer (R) indicates R 23 material is used. All others are 20 ga.





Computrus Inc.

This design prepared from computer input by
Pacific Lumber (SI)



7.0.0**11L-E

UNDER SPECIFICATIONS

SIZE	SPECIE GRADE	PANEL(S)
2x 4	DF 11E2TR	A
2x 4	DF 11E2TR	B
2x 4	DF STAND	UOH

TC LATERAL SUPPORT <= 12" OC. UOH.
BC LATERAL SUPPORT <= 12" OC. UOH.

TRUSS SPAN 1'- 10.4"
LOAD DURATION INCREASE = 1.15
SPACED 21.0" O.C.

LOADING

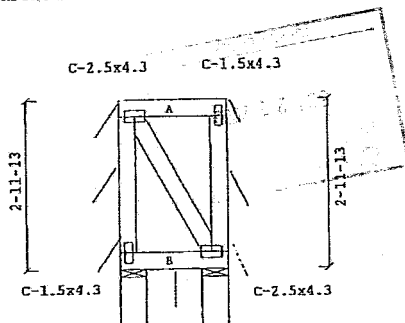
LL(25.0)+DL(7.0) ON TOP CHORD = 32.0 PSF
DL ON BOTTOM CHORD = 10.0 PSF
TOTAL LOAD = 42.0 PSF

DESIGN ADEQUATE TO RESIST A 150PLR DRAG FORCE.
CONTINUOUS SUPPORT REQUIRED FOR THREE SURFACES SHOWN.
ALL CONNECTIONS & ATTACHMENTS OF COMPONENTS TO FORM
THE STRUCTURAL SYSTEM FOR IMPOSED SEISMIC LOADING IS
THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

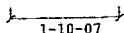
LATERAL BRACING REQUIRED IF CONTINUOUS SUPPORT IS NOT
PROVIDED.

NOTE: ATTACHMENTS AS STATED ABOVE MUST ACCOUNT FOR AN
INDIVIDUAL COMPONENT SEISMIC OVERTURNING MOMENT OF
7987-LBS.

SHEAR PANEL



CONTINUOUS SUPPORT TYPICAL



Scale: 1/2"
JOB NAME: 3312-708 EVERGREEN ROOFING - D

FILE NO.: D

DATE: 10/6/2003

DES. BY: LA

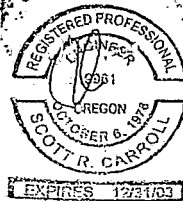
SEQ.: 147465

WARNINGS:

1. Read all General Notes and Warnings before construction of structure.
2. Read the endnotes carefully; they should be included in all General Notes and Warnings before construction of structure.
3. All compression loads bearing must be located at where shown.
4. All lateral force resisting elements such as temporary and permanent bracing, must be designed and provided by designer or complete structure.
5. Design the structure for the responsibility of the engineer.
6. No load should be applied to any component until after all bracing and all fastenings are complete, and all the time should be provided greater than design loads be applied to any component.
7. Complete the endnotes and complete the responsibility for the structure, handling, shipment and installation of components.
8. This design is based on and for the information shown design not for the Force Plate location in Building Wood Trusses, NPS-41, a copy of which will be furnished by Computrus upon request.

General Notes, unless otherwise noted:

1. Design to resist loads as shown.
2. Design assumes the top and bottom chords to be laterally braced at 2'-0" o.c. and at 12'-0" o.c. respectively.
3. 2x4 impact bridging or lateral bracing (see where shown) is a installation of truss is the responsibility of the respective contractor.
4. Design assumes trusses are to be used in a non-continuous environment, and are for "dry condition" of use.
5. Design assumes full bracing at all supports along, trim or wedge if necessary.
6. Design assumes adequate drainage is provided.
7. Plates must be located on both faces of truss, and placed so their center lines coincide with joint centerlines.
8. Plate includes size of plate in inches.
9. For basic design values of the Computrus Plate, indicated by the plate.
10. For basic design values of the Computrus Plate, indicated by the plate.
11. The Computrus Full Section Plate is indicated by the plate "CN" (in design) (16) indicates 16 ga. material is used. All others are 20 ga.





CompuPlus Inc.

This design prepared from computer input by
Pacific Lumber (ST)



7.0.0**161-E

LUMBER SPECIFICATIONS

SIZE	SPECIES GRADE	PANEL(S)
2x4	DF	TOP CHORDS: A
2x4	DF	BOTTOM CHORDS: B
2x4	DF	STAND: DON

TC LATERAL SUPPORT < 12" OC. DON.
BC LATERAL SUPPORT < 12" OC. DON.

TRUSS SPAN 1'- 10.4"
LOAD DURATION INCREASE = 1.15
SPACED 24.0" O.C.

LOADING

LL (25.0) + DL (7.0) ON TOP CHORD = 32.0 PSF
DL ON BOTTOM CHORD = 10.0 PSF
TOTAL LOAD = 42.0 PSF

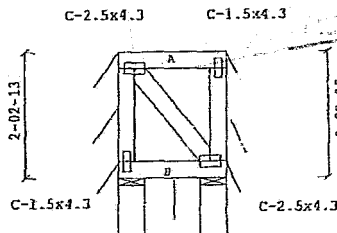
DESIGN ADEQUATE TO RESIST A 1500 LBS DRAG FORCE.
CONTINUOUS SUPPORT REQUIRED FOR THREE SURFACES SHOWN.

ALL CONNECTIONS & ATTACHMENTS OF MEMBERS TO FORM
THE STRUCTURAL SYSTEM FOR IMPOSED SEISMIC LOADING IS
THE RESPONSIBILITY OF THE ENGINEER OF RECORD.

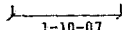
LATERAL BRACING REQUIRED IF CONTINUOUS SUPPORT IS NOT
PROVIDED.

NOTE: ATTACHMENTS AS STATED ABOVE MUST ACCOUNT FOR AN
INDIVIDUAL CONSEQUENT SEISMIC OVERTURNING MOMENT OF
52177-LBS.

SHEAR PANEL



CONTINUOUS SUPPORT TYPICAL



Scale: 1/2"

JOB NAME: 3312-708 EVERGREEN ROOFING - E

FILE NO.: E

DATE: 10/6/2003

DES. BY: LA

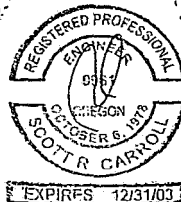
SEQ.: 1407466

WARNINGS:

- Read all General Rules and Warnings before construction of truss.
- Builder and erection contractor should be advised of all General Rules and Warnings where construction occurs.
- Not compressed web bracing system is substituted where shown.
- All lateral force resisting elements such as compression and tension bracing, must be designed and installed by design or engineer of record.
- Compressive members are the responsibility of each bracing.
- It is not intended to be applied to any component until after all bracing and fasteners are in place, and it is not intended any bracing or fastener design is applied to any component.
- Compliance with the code and standards is the responsibility of the design engineer, and it is not intended any bracing or fastener design is applied to any component.
- The design is limited to the use of the Pacific Lumber Company's design tables for the Truss Plate Institute's "Trussing Wood Trusses, 1988-89", a copy of which will be furnished by CompuPlus upon request.

General Notes, unless otherwise noted:

- Design to support loads as shown.
- Design assumes the top and bottom chords to be laterally braced at 24" o.c. and at 12" o.c. respectively.
- 2x4 braced bracing or lateral bracing required where shown.
- Installation of truss is the responsibility of the respective contractor.
- Design assumes trusses are to be used in a non-combustible environment, and are for "dry condition" of use.
- Design assumes full bracing at all supports shown. Chime or wedge if necessary.
- Design assumes adequate drainage is provided.
- Notes shall be located on both faces of truss, and placed so that center lines coincide with joint center lines.
- Circle indicates size of plate in inches.
- For basic design values of the CompuPlus Plate, indicated by the prefix "C" per I.C.C.O. R.R. 0311.
- The CompuPlus Net Section Plate is indicated by the prefix "C1" the designation (18) indicates 18 ga. material is used. All others use 20 ga.



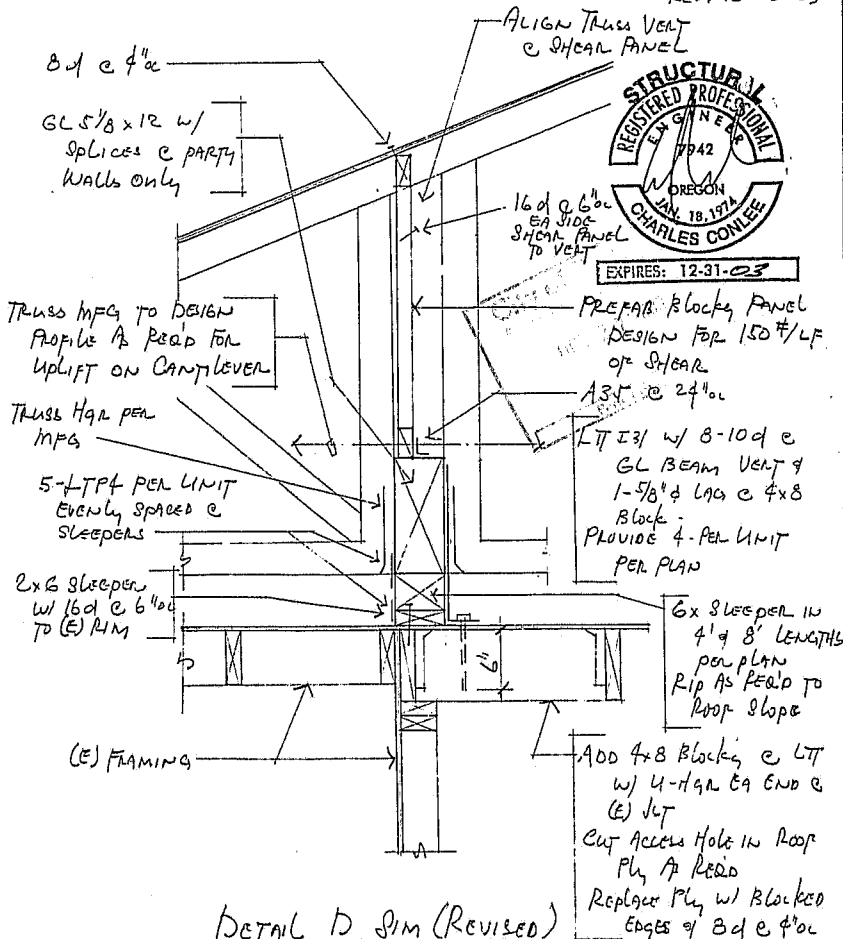


CONLEE
ENGINEERS INC.

Client BILCO
Project HARRISON BLDG
Subject DETAIL D SIM (REVISED)

Sheet SD-1
Date 7-22-03
By bg

REV. 10-20-03



DETAIL D SIM (REVISED)

* NOTE:

THIS DETAIL TO REPLACE SIM D
DETAIL ON HARRISON REEROOF DWG 10
AS PREPARED BY CRAIG MONAGHAN 9/3/02



CONLEE
ENGINEERS INC.

Client Gilco
Project HARRISON Bldg
Subject Beam Calc

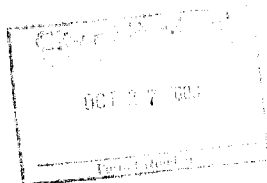
Sheet _____
Date 10-20-03
By AG

DESIGN ROOF BEAM

$$W = .035 (10) 20 \div 31 = .9 \text{ K}$$

$$M = .9 (15) 7_8 = 25.5 (12) / 2.4 (1.15) = 110$$

$$I, \frac{5 (9) 15^4 12^3}{384 E 240} = 757 \quad 5/8 \times 12$$



EXPIRES: 12-31-03