



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Recol Enterprises
4117 NW 135th Street
Opalocka ,FL 33054

Your application for Notice of Acceptance (NOA) of:

Screen Room / Canopy

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-0228.06
EXPIRES: 04/16/2006

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 04/12/2001

Recol Enterprises

ACCEPTANCE No. : 01-0228.06

APPROVED : 04/12/2001

EXPIRES : 04/16/2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This renews the Notice of Acceptance No. 97-1212.03, which was issued on April 16, 1998. It approves a Screen Room/Canopy structure framed with aluminum members, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

This Screen Room/Canopy structure and its components shall be constructed in strict compliance with the following documents: Drawing No. 94-185, titled "Screen Room/Canopy", prepared by Tilteco, Inc., sheets 1 through 3 of 3, dated July 15, 1994, last revision dated March 6, 1995 (sheet 1), March 3, 1995 (sheet 2), and April 4, 1995 (sheet 3), bearing the Miami-Dade County Product Control Approval and Renewal stamps with the Notice of Acceptance numbers and approval dates by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

All permanent set components, included but not limited to embedded anchor bolts must be protected against corrosion, contamination and damage at all times.

4. INSTALLATION

This Screen Room/Canopy and its components shall be installed in strict compliance with the approved drawings. The installation of this product will not require a hurricane protection system.

5. LABELING

This Screen Room/Canopy shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved". The label shall be placed at the bottom of the chair rails at each panel of screened rooms, each beam or column of the structure, and each roof panel.

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this Screen Room/Canopy.



Helmy A. Makar, P.E., Product Control Examiner
Product Control Division

Recol Enterprises

ACCEPTANCE No. : 01-0228.06

APPROVED : 04/12/2001

EXPIRES : 04/16/2006

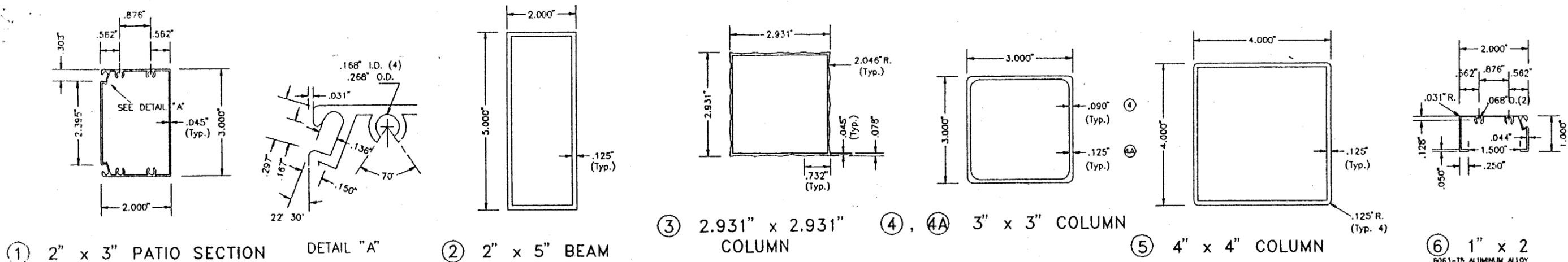
NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b. The product is no longer the same product (identical) as the one originally approved;
 - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a. Unsatisfactory performance of this product or process;
 - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance number preceded by the words Miami -Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance contains pages 1, 2 and this last page 3.

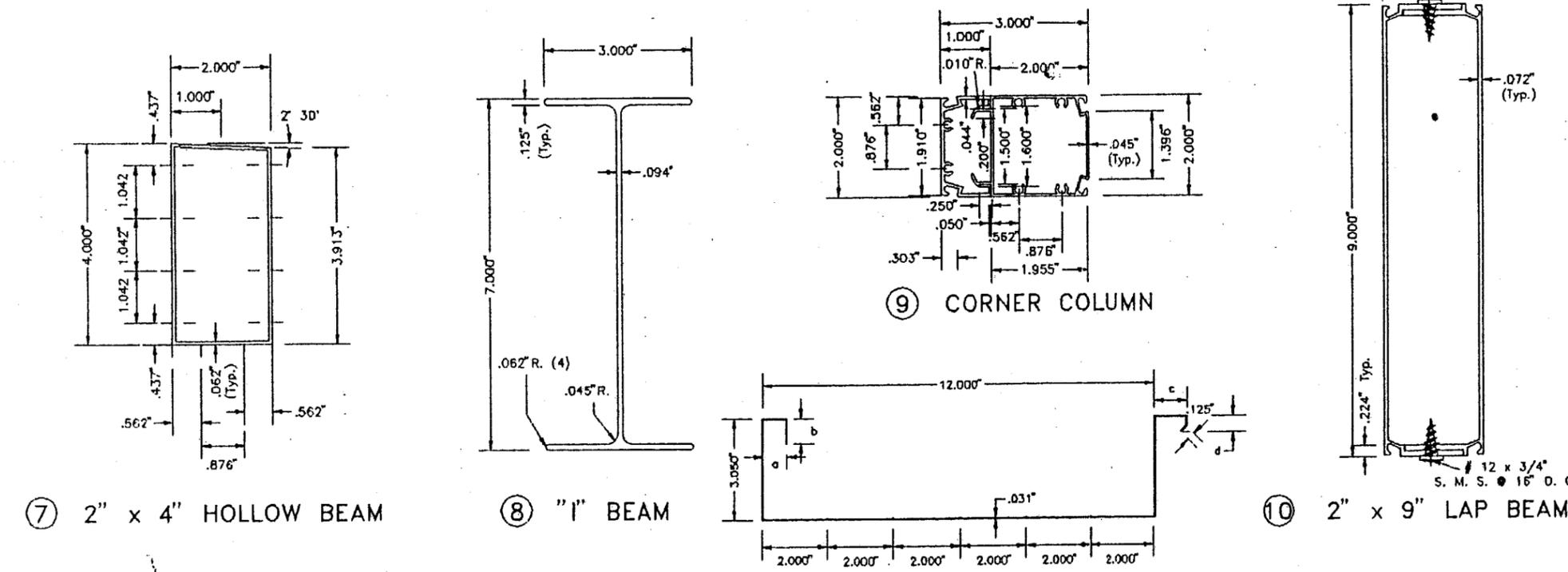
END OF THIS ACCEPTANCE



Helmy A. Makar, P.E.- Product Control Examiner
Product Control Division



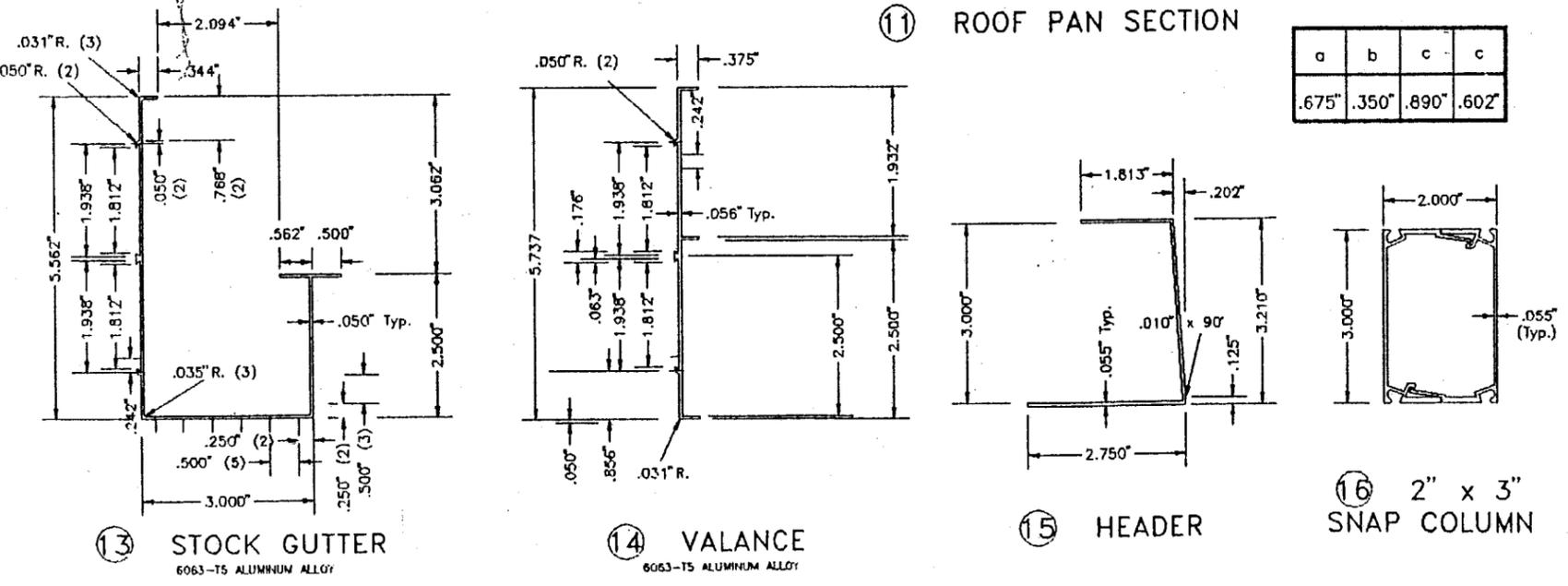
① 2" x 3" PATIO SECTION ② 2" x 5" BEAM ③ 2.931" x 2.931" COLUMN ④, ④A 3" x 3" COLUMN ⑤ 4" x 4" COLUMN ⑥ 1" x 2" 6063-T5 ALUMINUM ALLOY



⑦ 2" x 4" HOLLOW BEAM ⑧ "I" BEAM ⑨ CORNER COLUMN ⑩ 2" x 9" LAP BEAM

GENERAL NOTES:

- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH CHAPTERS 23, 28 & 44 OF THE 1994 EDITION OF THE SOUTH FLORIDA BUILDING CODE. WIND VELOCITY CONSIDERED IS 110 m.p.h. WITH 1.05 IMPORTANCE FACTOR AS PER ASCE-7-88.
- ALL EXTRUSIONS TO BE 6063-T5 ALUMINUM ALLOY UNLESS OTHERWISE NOTED.
- THE THICKNESS OF ALL EXTRUSIONS SHALL BE AS SHOWN ON THIS DRAWING. MINIMUM THICKNESS SHALL BE .044" WITH STANDARD TOLERANCES IN ACCORDANCE WITH THE "ALUMINUM STANDARDS AND DATA 1988 EDITION", ALUMINUM ASSOCIATION INCORPORATED, WASHINGTON, D. C.
- ALUMINUM ROOF PANEL ALLOYS SHALL BE 3105-H154.
- ALL SCREWS TO BE 304 SERIES STAINLESS STEEL OR 2024-T4 ALUMINUM ALLOY.
- ALL BOLTS TO BE A. S. T. M. A-307 GALVANIZED STEEL OR 2024-T4 ALUMINUM ALLOY.
- ALL CONCRETE SHALL DEVELOP 2500 p.s.i. COMPRESSIVE STRESS AT 28 DAYS.
- ALL REINFORCING STEEL SHALL BE A.S.T.M. A-615 GRADE 60 DESIGNATION BARS.
- SCREEN USED ON WALLS SHALL BE 80 PERCENT MINIMUM OPEN.
- IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SCREEN ROOM/CANOPY IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE.
- MINIMUM SOIL BEARING CAPACITY TO BE 2000 p.s.f.
- CONCRETE AND MASONRY ANCHORS SHALL BE TAPCON TYPE ANCHORS, AS MANUFACTURED BY I.T.W./RAMSET OR ELGO INDUSTRIES, INC., OR RED HEAD SLEEVE ANCHORS, AS MANUFACTURED BY I.T.W./RAMSET. DIAMETERS AND LENGTHS SHALL BE AS SPECIFIED ON DRAWINGS. MINIMUM PENETRATION INTO MASONRY IS 1 1/4". MINIMUM PENETRATION INTO CONCRETE IS 1 3/4". MINIMUM PENETRATION IS IN ADDITION TO ANY ADDED LENGTH REQUIRED TO PENETRATE EXISTING PRECAST STONE, PRECAST CONCRETE PANELS, PAVERS, OR TILES THAT COULD BE COVERING THE CONCRETE OR MASONRY WALL OR FLOOR.
- THIS STRUCTURE SHALL BE CONSTRUCTED FREE STANDING OR ATTACHED TO A C.B.S. WITH MEAN ROOF HEIGHT EQUAL OR LESS THAN 80'-0". NOTIFY THIS ENGINEER IF THE ABOVE CONDITION IS NOT COMPLIED WITH.



⑪ ROOF PAN SECTION ⑫ 1.980" x 1.980" 6063-T5 ALUMINUM ALLOY ⑬ STOCK GUTTER 6063-T5 ALUMINUM ALLOY ⑭ VALANCE 6063-T5 ALUMINUM ALLOY ⑮ HEADER ⑯ 2" x 3" SNAP COLUMN

PRODUCT RENEWED

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

DATE 4/27 19 95 ACCEPTANCE No. 97-1212.03 EXPIRATION DATE APRIL 16 2001

BY [Signature] PRODUCT CONTROL DIVISION By Helmut A. Mahr PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE No. 95-0209.02 **PRODUCT RENEWED**

ACCEPTANCE No. 01-0228.06 EXPIRATION DATE 04/16/2006

By Helmut A. Mahr PRODUCT CONTROL DIVISION DADE COUNTY

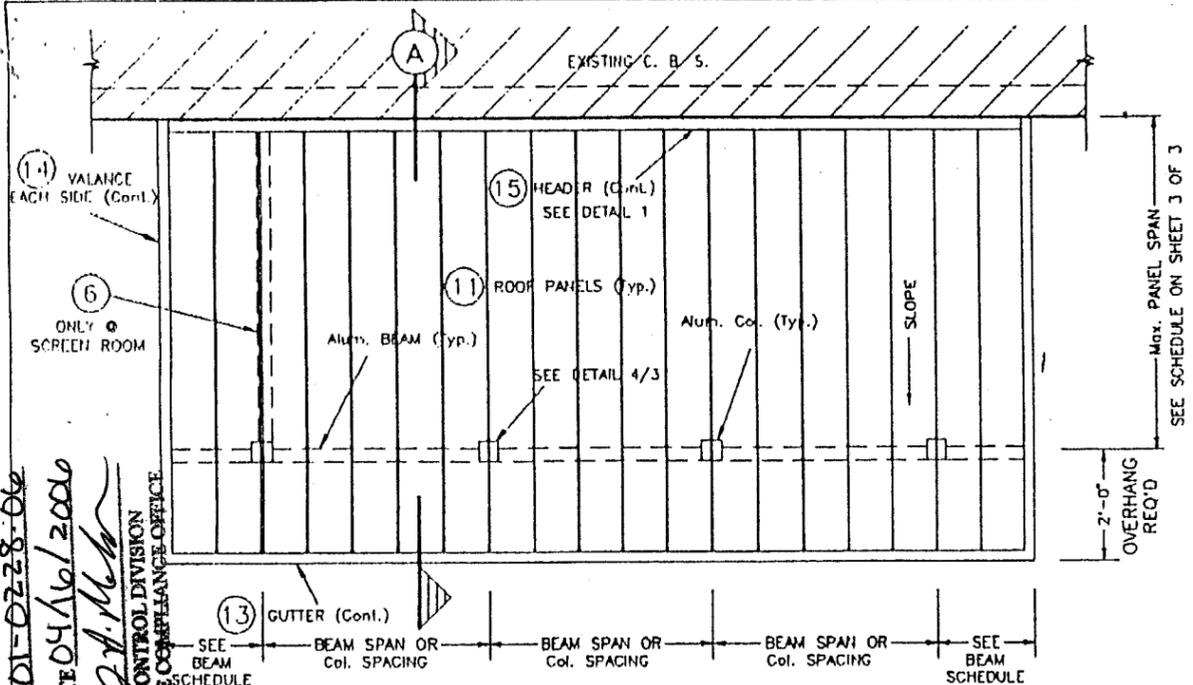
BUILDING CODE COMPLIANCE OFFICE

<p>TILECO INC. TILLIT TESTING & ENGINEERING COMPANY 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33186 Phone: (305)871-1530 Fax: (305)871-1531 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. 44167</p>		<p>SCREEN ROOM/CANOPY</p> <p>RECOL ENTERPRISES 13280 N.W. 43rd AVENUE OPA-LOCKA, FLORIDA 33054</p>	<p>SCALE</p> <p>7/15/94 DATE</p> <p>94 - 185 DRAWING No</p>		
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	NOTES & SPECS	1/13/95	3	ONLY Alum. PANEL	3/6/95
2	NOTES	1/30/95	4		

SHEET 1 OF 3

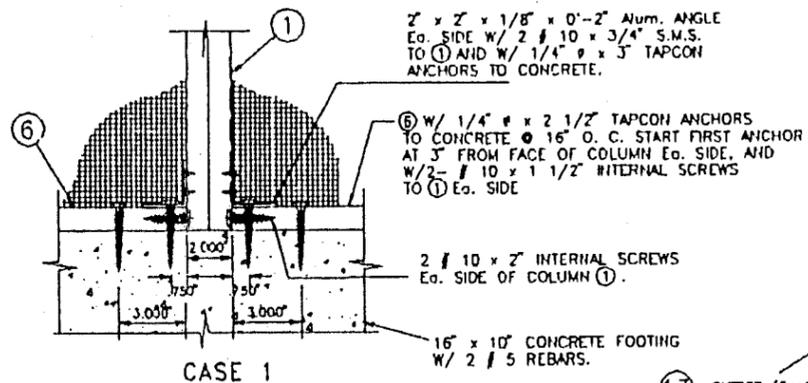
PRODUCT RENEWED

ACCEPTANCE No. 01-0228-06
EXPIRATION DATE 04/16/2000
By *Helmut A. Mueh*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

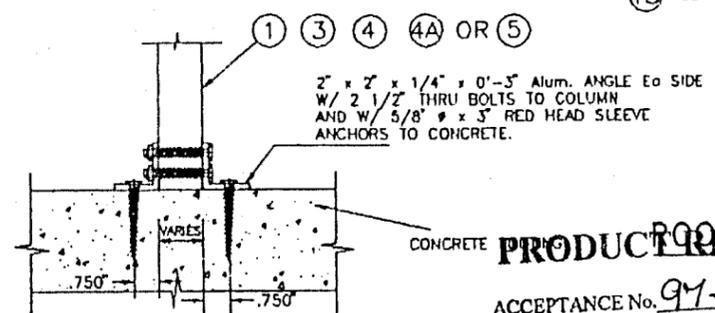


ROOF PLAN-MONOSLOPE ROOF
(SCREEN ROOM/CANOPY)

NOTE: SEE BEAM & COLUMN SCHEDULE ON SHEET 3 OF 3.

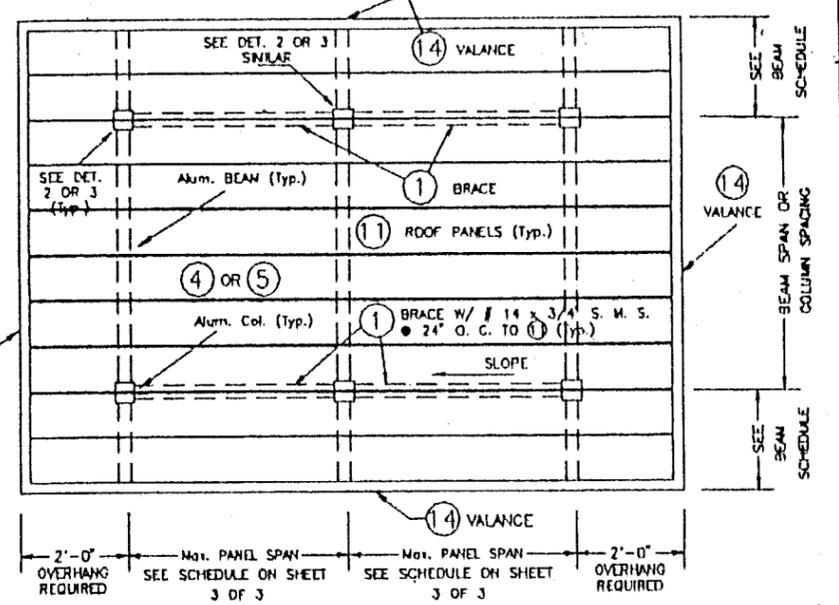


CASE 1



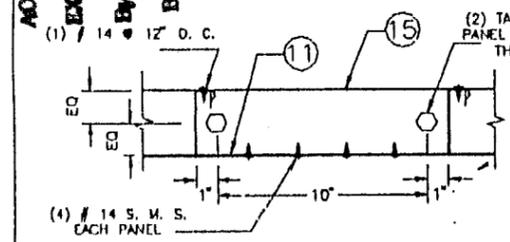
CASE 2

COLUMN CONNECTION TO FOOTING

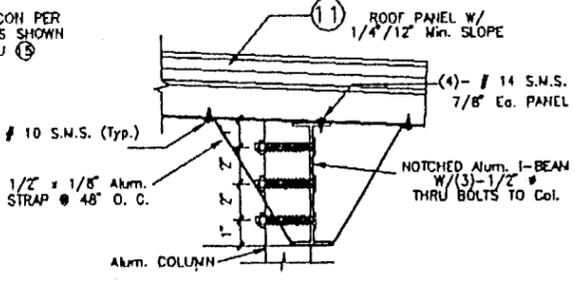


PRODUCT RENEWED MONOSLOPE ROOF (FREESTANDING CANOPY)

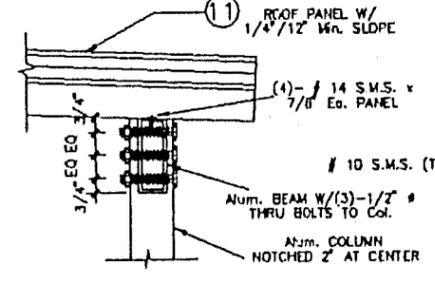
ACCEPTANCE No. 94-1212.03
EXPIRATION DATE APRIL 16, 2001
By *Helmut A. Mueh*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE



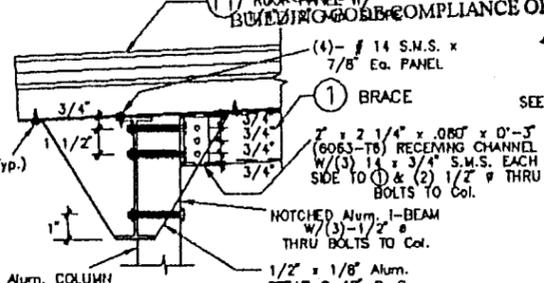
DETAIL 1: HEADER CONNECTION TO TIE BEAM.



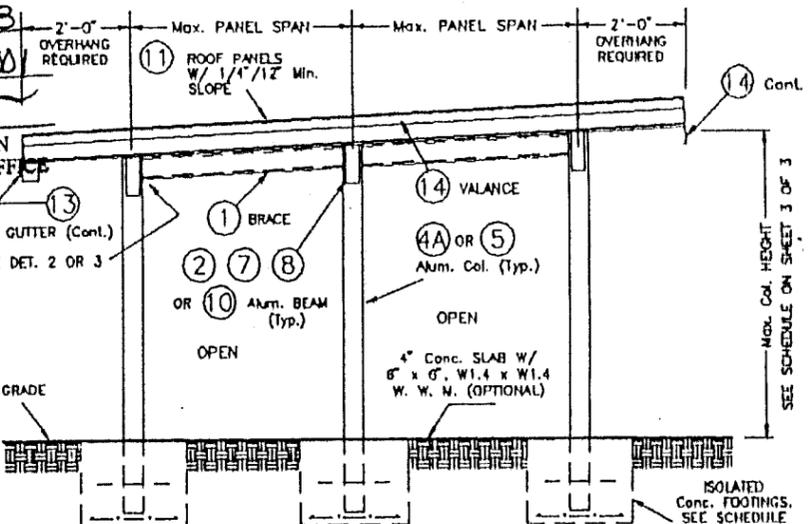
I-BEAM/Col. CONNECTION DETAIL



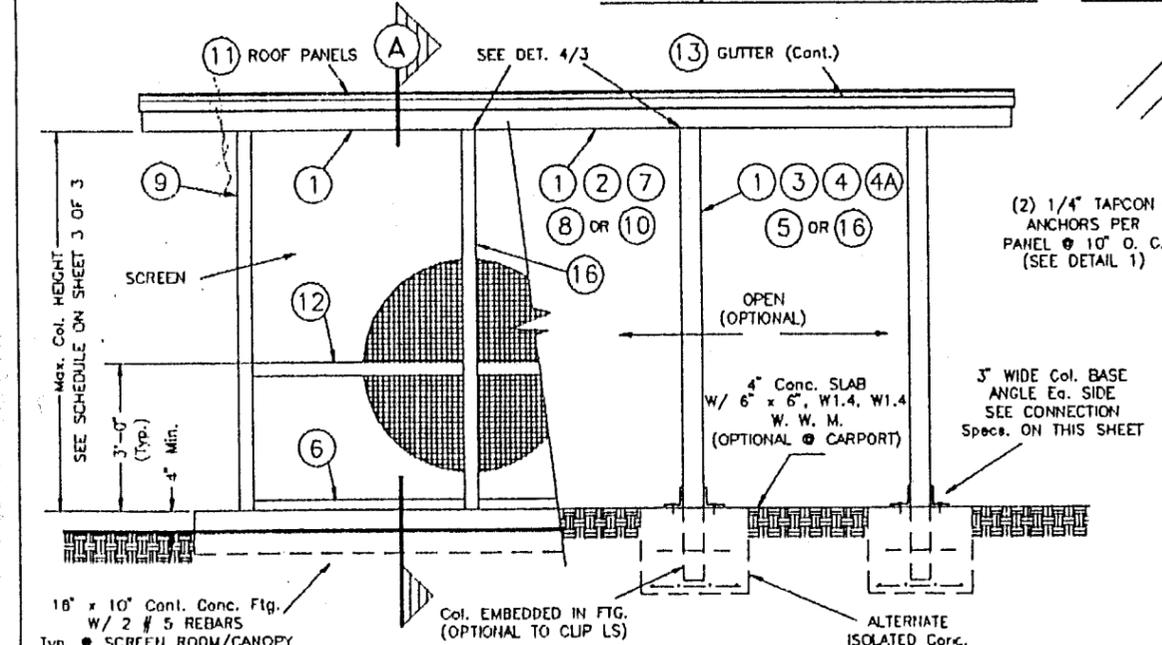
Alt. BEAM/Col. CONNECTION DETAIL



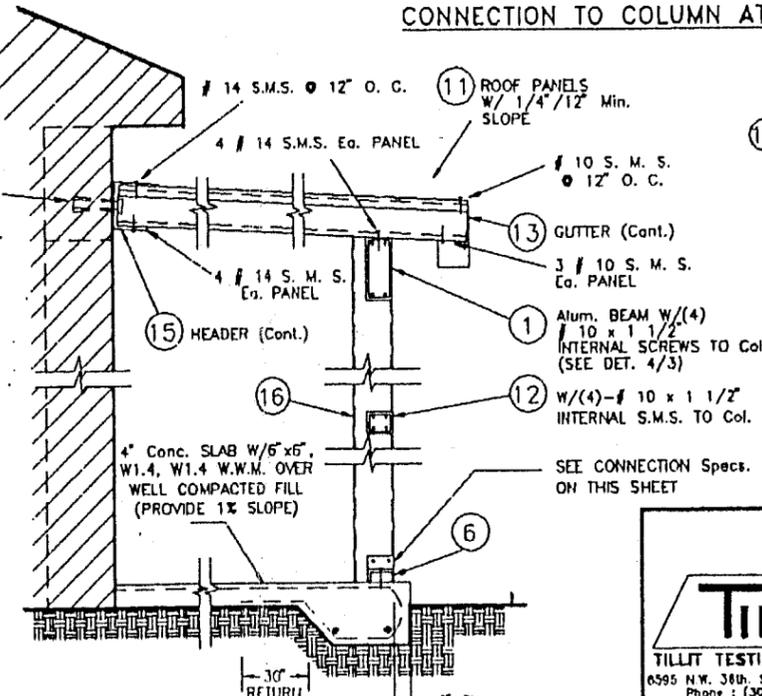
DETAIL 2: BRACE CONNECTION TO COLUMN AT (8)



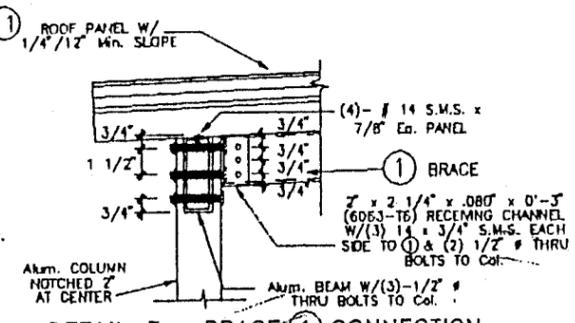
ELEVATION-MONOSLOPE ROOF (FREESTANDING CANOPY)



ELEVATION-MONOSLOPE ROOF (SCREEN ROOM/CANOPY)



SECTION A



DETAIL 3: BRACE CONNECTION TO COLUMN AT (2) (7) OR (10)

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE 4/27 19 95
BY *Helmut A. Mueh*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE No. 95-0309.02

DADE COUNTY

TILECO INC.
TILT TESTING & ENGINEERING COMPANY
6595 N.W. 38th St., Ste. 217, VIRGINIA GARDENS, FL 33149
Phone: (305)871-1530 Fax: (305)871-1531
WALTER A. TILIT Jr., P. E.
FLORIDA Lic. # 44167

SCREEN ROOM/CANOPY					
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	SCREEN	1/17/95	3		
2	GENERAL	3/3/95	4		

SCALE: 7/15/94
DATE: 94 - 185
DRAWING No: SHEET 2 OF 3

94-0220-110

BEAM SCHEDULE MAXIMUM SPAN FOR A GIVEN TRIBUTARY WIDTH *

BEAM TYPE	TRIBUTARY WIDTH *						MAXIMUM BEAM OVERHANG
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	
①	4'-10"	4'-4"	4'-0"	3'-8"	-	-	1'-6"
②	11'-10"	10'-7"	9'-8"	8'-11"	8'-5"	7'-11"	3'-0"
⑦	7'-4"	6'-6"	6'-0"	5'-6"	-	-	2'-0"
⑧	13'-0"	11'-8"	10'-8"	9'-10"	9'-2"	8'-8"	4'-0"
⑩ **	18'-2"	16'-3"	14'-10"	13'-9"	12'-10"	12'-1"	5'-0"

* TRIBUTARY WIDTH: - ROOF SPAN (FROM WALL TO FRONT BEAM)/2 + OVERHANG FOR ROOFS ATTACHED TO BUILDING.
 - ROOF SPAN (FROM BEAM TO BEAM) FOR FREE STANDING CANOPIES OR FOR ROOFS ATTACHED TO BUILDING WITH MULTIPLE BAYS.

** ⑩ 2" x 9" BEAM SHALL ONLY BE USED JOINTLY WITH COLUMNS ④, ④A OR ⑤.

COLUMN SCHEDULE

MAXIMUM COLUMN SPACING (Ft.) * FOR A GIVEN HEIGHT,

TYPE OF COLUMN AND TYPE OF STRUCTURE WHERE COLUMN IS LOCATED

COLUMN TYPE	ROOF ATTACHED TO PERMANENT BUILDING							FREESTANDING ROOFS			
	WITH SCREEN WALLS			W/O SCREEN WALLS				CENTER Col. END Col. **			
	7'-0"	7'-6"	8'-0"	8'-0"	9'-0"	10'-0"	12'-0"	7'-6"	8'-0"	10'-0"	12'-0"
⑩	5'-6"	4'-10"	4'-4"	11'-1"	8'-9"	7'-2"	-	-	-	-	-
③	-	-	-	16'-9"	15'-8"	12'-8"	8'-10"	-	-	-	-
④	-	-	-	***	***	***	***	-	-	-	-
④A	-	-	-	***	***	***	***	11'-7"	9'-10"	6'-4"	-
⑤	-	-	-	***	***	***	***	15'-6"	13'-8"	8'-9"	-
								***	***	15'-5"	10'-8"
								***	***	***	14'-10"

* Max. COLUMN SPACING SHALL NOT EXCEED Max. BEAM SPAN AS PER BEAM SCHEDULE FOR A GIVEN BEAM TYPE.

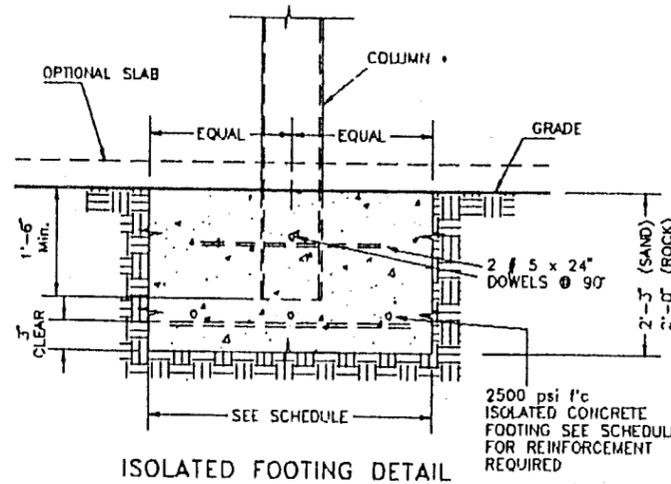
** CENTER COLUMN: COLUMN THAT RECEIVE REACTIONS FROM BEAMS THAT ARE LOADED WITH ROOF PANELS FROM EITHER SIDE.

END COLUMN: COLUMN THAT RECEIVE REACTIONS FROM BEAMS THAT ARE LOADED WITH ROOF PANELS FROM ONE SIDE PLUS A 2'-0" Max. OVERHANG (IF APPLICABLE) FROM THE OTHER SIDE.

*** LIMITED BY BEAM SPAN AS PER BEAM SCHEDULE.

Walter A. Tillit
4/4/95

* COLUMN MAY ALSO BE CLIPPED ANGLE TO FOOTING APPLICABLE TO ROOFS ATTACHED TO PERMANENT BUILDING.



MAXIMUM SPAN TABLE FOR A GIVEN TRIBUTARY AREA

ROOF AREA BEARING OR COLUMN (Ft.²)*	REQUIRED FOOTING SIZE IN SAND/ROCK	REINFORCING STEEL EQUALLY SPACED EACH WAY. SAND/ROCK
120	4'-11" x 4'-11"	5 # 4 REBARS
	3'-7" x 3'-7"	4 # 4 REBARS
90	4'-3" x 4'-3"	4 # 4 REBARS
	2'-5" x 2'-5"	3 # 4 REBARS
60	3'-5" x 3'-5"	4 # 4 REBARS
	2'-5" x 2'-5"	3 # 4 REBARS
40	2'-10" x 2'-10"	3 # 4 REBARS
	2'-0" x 2'-0"	3 # 4 REBARS
25	2'-2" x 2'-2"	3 # 4 REBARS
	2'-0" x 2'-0"	3 # 4 REBARS

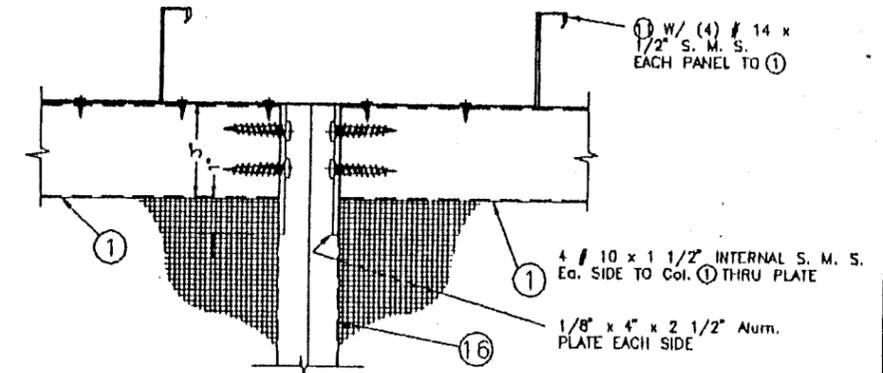
* ROOF PANEL SPAN x BEAM SPAN (INTERIOR COLUMN/S) OR (ROOF PANEL SPAN/2 + 0. H.) x BEAM SPAN (END COLUMNS)

Max. ROOF PANEL SPAN SCHEDULE

SPAN CONDITION	Max. SPAN "L"
	5'-0"
	5'-9"
	5'-0"
	5'-0"

PRODUCT RENEWED

ACCEPTANCE No. 01-0228-06
 EXPIRATION DATE 04/16/2006
 By *Helmy A. Mak*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE



DETAIL 4 : ① CONNECTION TO ⑩

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE 4/27/95
 BY *Helmy A. Mak*

PRODUCT RENEWED

ACCEPTANCE No. 95-1212-03
 EXPIRATION DATE APRIL 16, 2001
 By *Helmy A. Mak*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 95-0304-02

DADE COUNTY

TILTECO INC.
 TILT TESTING & ENGINEERING COMPANY
 6595 N.W. 36th St., Ste. 217, VIRGINIA GARDENS, FL 33166
 Phone: (305)871-1530 - Fax: (305)871-1531
 WALTER A. TILLIT Jr., P. E.
 FLORIDA Lic. 44167

SCREEN ROOM/CANOPY						SCALE
RECOL ENTERPRISES 13280 N.W. 43 AVENUE OPA-LOCKA, FLORIDA 33054						7/15/94 DATE
						94 - 185 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE	SHEET 3 OF 3
1	Alum. Th.	1/17/95	3	Max. SPAN (W.A.)	3/28/95	
1	Col. Sched. + Det. 4	3/3/95	4	FOOTING	4/1/95	