

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 0104324
Insp Area: 2

Site Address: 6961 HAVENSIDE DR SAC
Parcel No: 031-0330-036

Sub-Type: NOTHR
Housing (Y/N): N

CONTRACTOR
PETKUS BROS
3068 SUNRISE BL
RANCHO CORDOVA CA

OWNER
CHAN WILLIAM Y/JANE C
6961 HAVENSIDE DR
SACRAMENTO CA 95831

ARCHITECT

Nature of Work: SUN ROOM

CONSTRUCTION LENDING AGENCY: I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.)

Lender's Name _____ Lender's Address _____

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class B License Number 670242 Date 4-9-01 Contractor Signature [Signature]

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code: any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00).

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code). The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code). The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with contractor(s) licensed pursuant to the Contractors License Law.

I am exempt under Sec _____ B & PC for this reason: _____
Date _____ Owner Signature APR 09 2001

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the applicant verified all measurements and locations shown on the application or accompanying drawings and that the applicant has not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 4-9-01 Applicant Agent Signature [Signature]

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier STATE FUND Policy Number 713-00 0000502 Exp Date 10/01/2001

(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

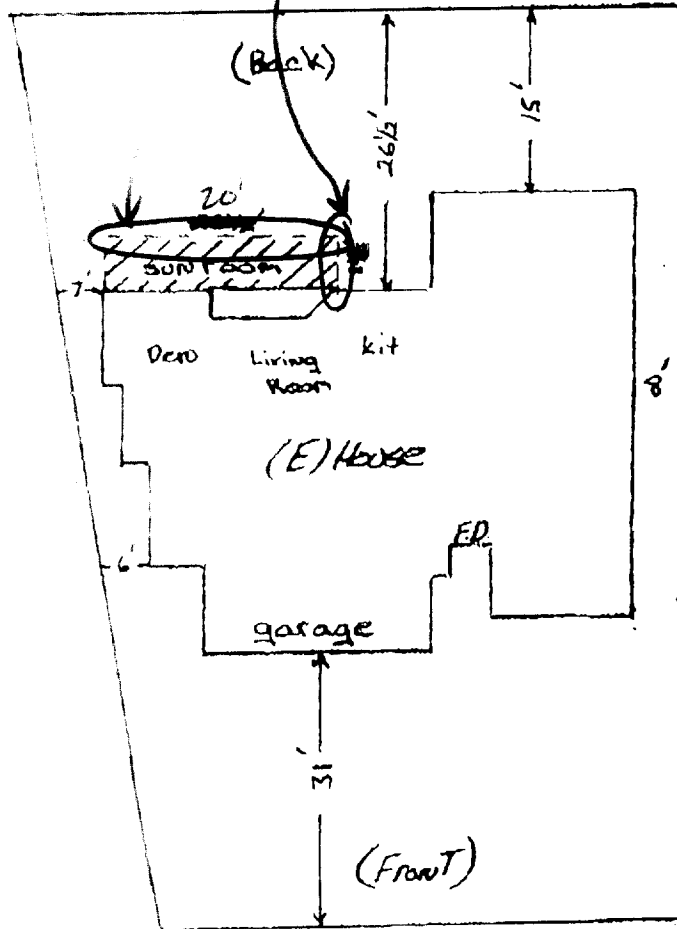
Date 4-9-01 Applicant Signature [Signature]

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

SMOKE DETECTORS ARE REQUIRED WHEN ALTERATIONS, REPAIRS OR ADDITIONS REQUIRING A PERMIT ARE IN EXCESS OF \$1,000 OR WHEN ONE OR MORE SLEEPING ROOMS ARE ADDED OR CREATED (GROUP R)

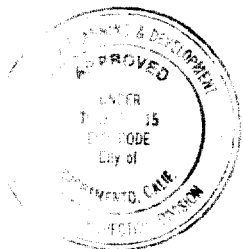
65% MIN. OF WALL AREA MUST HAVE READILY REMOVABLE PLEXI-GLASS OR GREEN



Bill Chan

————— 6961 Havenside Drive —————>

Sac #95831



This set of plans and specifications must be kept on the job at all times and no changes to make any changes or additions to the plans without written approval from the Building Department.

The application, plans and specifications shall not be held responsible for the violation of any City, State or Federal law.

ISSUED

APR 09 2001

City of Sacramento Building Division

JL FORBMA 4/9/01

Date of Request: _____

By: _____

**CITY OF SACRAMENTO DEVELOPMENT SERVICES DIVISION
PLANNING AND ZONING INFORMATION REQUEST**

Project Address: 6727 Hawthorne Dr.

Assessor's Parcel Number 021-0336-036

Previous Use rental apt R

Description of Request/Proposed Use addition of sun room

Is This a Change of Use? No

Zoning Designation: R-1

Prior Applications for Project Site(P#, Z#, DRPB#): none

Comments: setbacks are OK; based on number in Met. cal., addition appears to exceed lot coverage (approx. 42%) must provide a more accurate, more detailed base plan/plot plan of property to confirm.

Are There Any Planning Issues?: (circle one) **YES** NO

- * Staff Site Plan Check Required? (Circle one) YES NO
- * Field Inspection Required? (Circle one) YES NO
- * Design Review/Preservation Required?: (Circle one) YES NO

Planning Review by Date: Phil Reed 4/3/01

A list of items that must be reviewed by Planning is provided on the reverse side of this form.

* Applicant has agreed to reduce size to 8' x 20' (160sq ft) which brings lot coverage down to 40%; no additional sq. ft allowable.

MICROFILM AFTER FINAL

Phil Reed 4/3/01

1655 Scott Boulevard
Santa Clara, California 95050-4169
(408) 985-2400
FAX No. (408) 296-3256
Cable ULINC SANTA CLARA, CA



File MH17222

Vol. 1

Issued: 7-14-95



FOLLOW-UP SERVICE PROCEDURE

(TYPE R)

COMPOSITE PANELS (QRSY)

Manufacturer: See Section General

Applicant: Alumet Building Products Inc
(197017-001) 227 S. Town East Blvd.
Mesquite, TX 75149

Classified Company: Same as Applicant


This Procedure authorizes the above Manufacturer to use the Classification Mark of Underwriters Laboratories Inc. only on Classified products covered by this Procedure, in accordance with the Classification and Follow-Up Service Agreement.

The Prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and the representatives of Underwriters Laboratories Inc. and is not used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. upon request.

The PROCEDURE, and any subsequent revisions, is the property of UNDERWRITERS LABORATORIES INC., and is not transferable.

UNDERWRITERS LABORATORIES INC.


S. JOE BHATIA
Vice-President, Follow-Up Services

MCR/JS:qc
SCDLS

A not-for-profit organization
dedicated to public safety and
committed to quality service

ALLMET BUILDING PRODUCTS, INC.

6450-A CABALLERO BLVD.

BUENA PARK, CA 90620

TELEPHONE: 714-522-7852 / 800-457-9959 • FAX: 800-742-0464

www.allmet.com



**Component of Composite Panel Sunroom Series 2000
Load Bearing Beam Raceway - Cat. No. 685425
Wire Types: RHW, RHH, THHN, THWN, TW, THW, THHW
Maximum of Nine 12AWG Conductors in any Raceway Section
Manufactured By: Allmet Building Products, Buena Park, CA**

CLASSIFIED  6T40

**COMPOSITE PANEL Classified By
UNDERWRITERS LABORATORIES, INC.
In Accordance With The National Electric Code
And Surface Burning Characteristics Rating of 200
Composite Panel System, Sunroom Series 2000
System Is Composed of the Following Components:
2" Vertical Raceway - Cat. No. 686426
Load Bearing Beam Raceways - Cat. No. 685425
Wall Panels - Cat. No. 68514
Roof Panels - Cat. No. 68500
and/or Roof Panels - Cat. No. 68502
Manufactured By: Allmet Building Products**

**Component of Composite Panel Sunroom Series 2000
2" Vertical Raceway - Cat. No. 685426
Wire Types: RHW, RHH, THHN, THWN, TW, THW, THHN
Maximum of Nine 12AWG Conductors In any Raceway Section
Manufactured By: Allmet Building Products, Buena Park, CA**

VAL JACKLIN
OPERATIONS MANAGER

ALLMET BUILDING PRODUCTS, INC.

6450-A CABALLERO BLVD

BUENA PARK, CA 90620

PHONE: 800-457-9959 EXT. 232

FAX: 800-742-0464

WWW.ALLMET.COM



File. MH17222

Vol. 1 Sec. 1
and Report

Ill. 2

Issued: 7-6-93

ALCAN BUILDING PROD.
14113 E. 183. ST.
CERRITOS, CA. 90701



ALCAN BUILDING PRODUCTS
ELECTRICAL RACEWAY SUGGESTIONS

- PAGE 1 PART DETAILS
- PAGE 2 DRAWING FOR PART DETAILS
- PAGE 3 ELECTRICAL PART BREAKDOWN
- PAGE 4 RACEWAY INSTALLATION INSTRUCTIONS
- PAGE 5 WIRING METHOD FOR ROOM
- PAGES 6 & 7 DRAWING TO BE USED WITH WIRING METHODS
- PAGE 8 WIRING METHOD FOR 3" W/B II ROOF
- PAGE 9 DRAWING FOR 3" W/B II ROOF WITH ELECT. RACEWAY



REPORT PREPARED BY PAUL YATES
3/1/93
REVISED 4/12/93

COVER SHEET

ALCAN BUILDING PRODUCTS

WALL PANEL:
APPROVED AS BUILDING COMPONENTS AND/OR
BUILDING SYSTEMS FOR CALIFORNIA FACTORY--
BUILT HOUSING PLAN APPROVAL I.D HCP 274

WIRING:
NOT PROVIDED. ILLUSTRATES TYPICAL CONSTRUCTION
UL APPROVED PRODUCTS ARE TO BE USED.

FIG. 1 ELECTRICAL LOAD BEARING BEAM:
EXTRUDED ALUMINUM, TYPICAL THICKNESS .062 IN.
PROVIDED IN VARIOUS LENGTHS. COMPOSITE PANELS
2 INCHES

FIG. 2 ELECTRICAL CHASE MULLION:
EXTRUDED ALUMINUM, .050 INCH THICK, 2 INCH ID
THE MULLION MAY BE ADDED TO THE DOOR MULLION,
WINDOW-WINDOW MULLION, WINDOW PANEL MULLION
AND PANEL TO PANEL MULLION.
CONSISTING OF 3 PCS. ELEC. CHASE MULLION,
AND 2 SNAP-IN COVER PLATES

FIG. 3 ILLUSTRATES TYPICAL CONSTRUCTION:
(WIRING AND RECEPTACLES NOT PROVIDED)
WIRING DEVICES MUST BE UL APPROVED PRODUCTS

FIG. 4 BOTTOM COVER IS PRE-CUT & PUNCHED WITH HOLES FOR
ELECTRICAL RECEPTACLE.
ALL VERTICAL SNAP-IN COVERS HAVE METAL CLIPS.

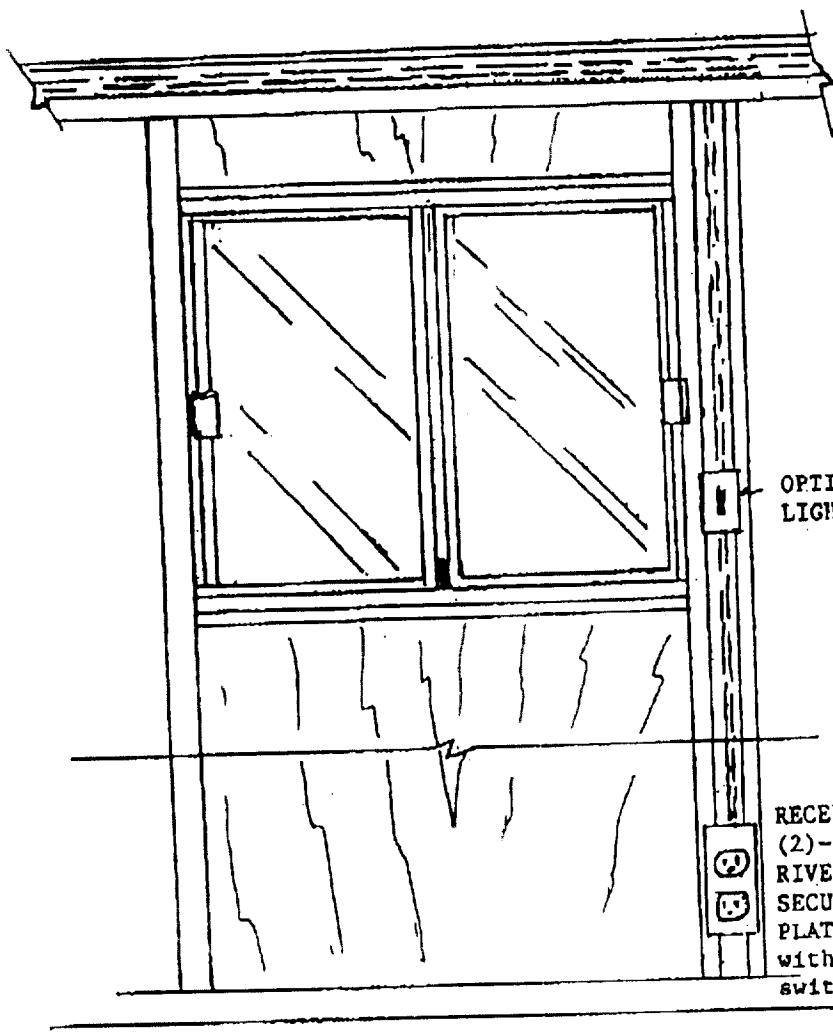


FIG. 3 ILLUSTRATES TYPICAL CONSTRUCTION

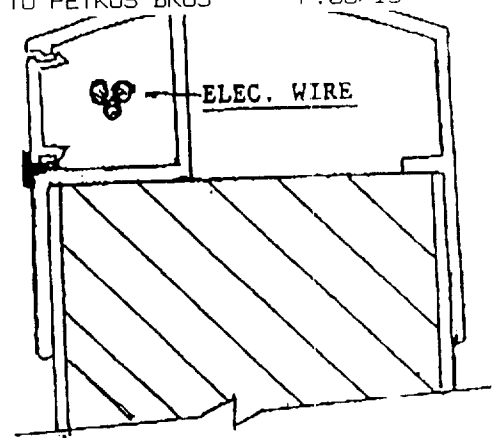


FIG. 1 ELECTRICAL LOAD BEARING BEAM

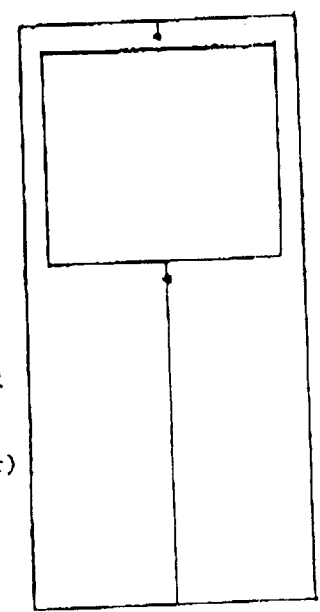


FIG. 4 BOTTOM SNAP COVER

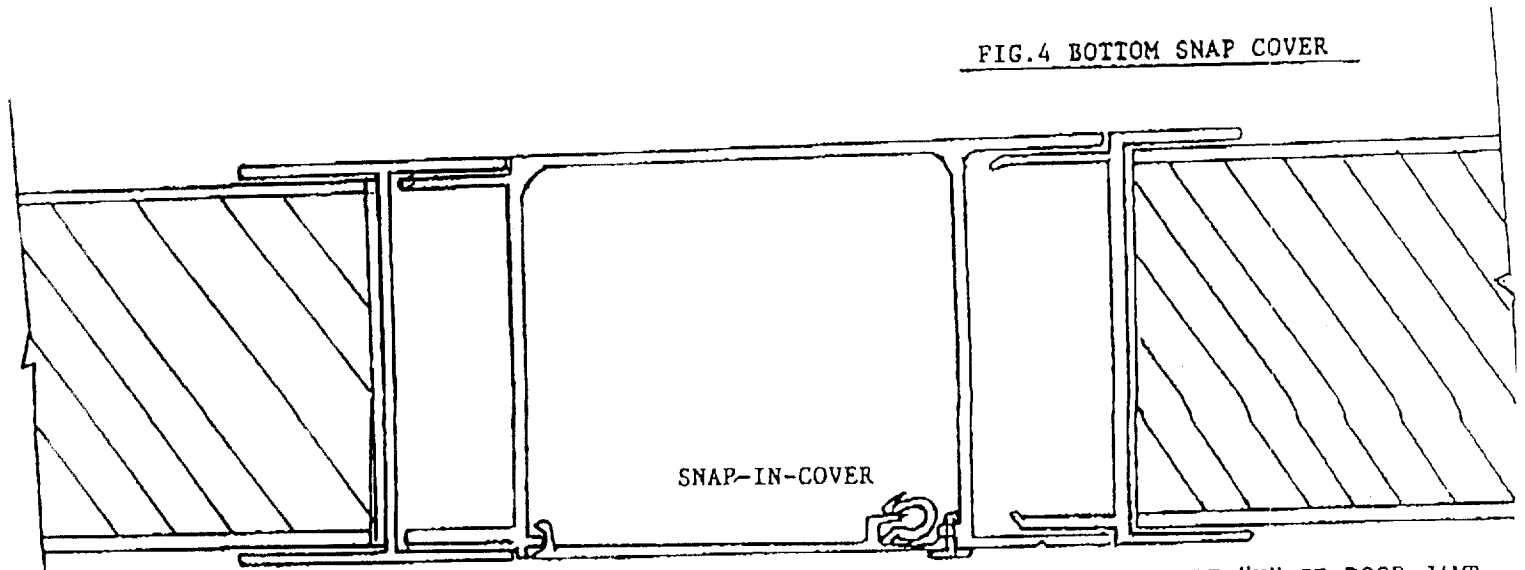


FIG. 2 ELECTRICAL CHASE MULLION

FEMALE "H" OR STANDARD "H"

MALE "H" OR DOOR JAMB

RACEWAY FOR ROOM

***WIRE TYPE
ALL WIRING TO BE USED IN THE RACEWAYS IS NO. 12 AWG, TYPE T, TW, XHHW OR THHN, COPPER CONDUCTORS.

3 WIRES WILL BE USED: BLACK, WHITE AND GREEN FOR GROUND AND GROUND STRAPS.

***ALL RECEPTACLES AND SWITCHES
ARE TO BE GROUNDING TYPE, RATED 125V, 15 A ON A 15A CIRCUIT, 20 A ON A 20 A CIRCUIT, AND 15 OR 20 A IF TWO OR MORE ARE ON A 20 A CIRCUIT.

***CONDUIT FILL

WIRE TYPE	MAXIMUM NUMBER OF NO. 12 AWG COPPER CONDUCTORS	
	1/2-IN CONDUIT	3/4-IN CONDUIT
T, TW, XHHW,	7	12
THHN	10	18

***BUSHINGS

HOLES THROUGH WHICH WIRES WILL PASS FROM LOAD BEARING BEAM TO RACEWAY WILL USE APPROVED BUSHING OR SHALL HAVE SMOOTH, WELL-ROUNDED SURFACES, UPON WHICH THE WIRES MAY BEAR. USE OF PLASTIC BUSHING 1/2" I/D WITH 5/8" O/D HOLE SIZE OR METAL WILL BE USED.

***BOTTOM SNAP COVER AND LIGHT SWITCH COVER
AFTER BOTTOM SNAP COVER IS IN PLACE SECURE WITH TWO (2) POP RIVETS ON SPRING SIDE OF COVER BESIDE RECEPTACLES SO THEY WILL NOT PULL OUT

RACEWAY FOR 3" ROOF

***WIRE TYPE
ALL WIRING TO BE USED IN THE RACEWAYS IS NO. 12 AWG, TYPE T, TW, XHHW OR THHN, COPPER CONDUCTORS.

3 WIRES WILL BE USED: BLACK, WHITE AND GREEN FOR GROUND AND GROUND STRAPS.

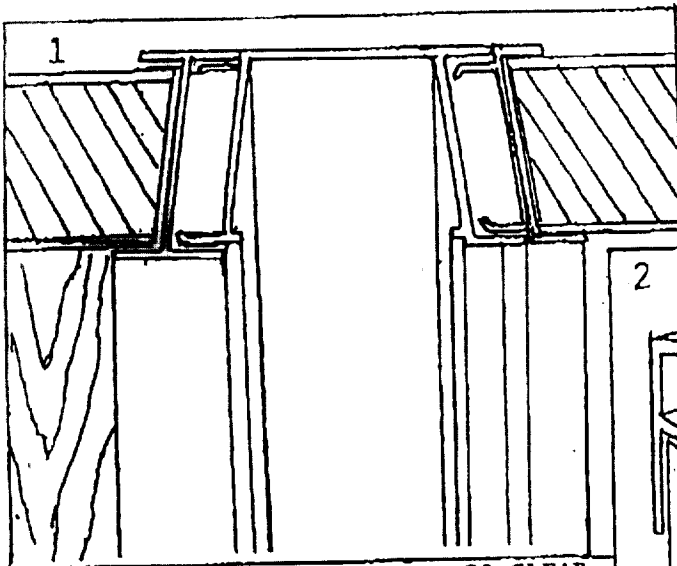
***CONDUIT FILL

WIRE TYPE	MAXIMUM NUMBER OF NO. 12 AWG COPPER CONDUCTORS	
	1/2-IN CONDUIT	3/4-IN CONDUIT
T, TW, XHHW,	7	12
THHN	10	18

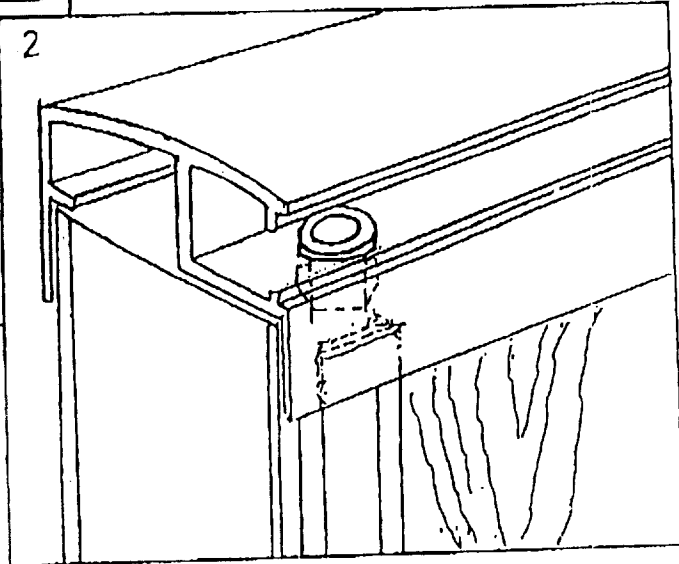
***JUNCTION BOX

BOX DIMENSIONS	CUBIC INCH CAPACITY	MAXIMUM NUMBER OF NO. 12 AWG
3-1/4" X 1-1/2" OCTAGONAL	10.9	4

***ALL OUTSIDE BOXES, METAL RACEWAYS AND BEAMS WILL BE SEALED SAME AS THE ROOM EXTERIOR WALLS AND EXTRUSIONS WITH APPROVED CAULKING.

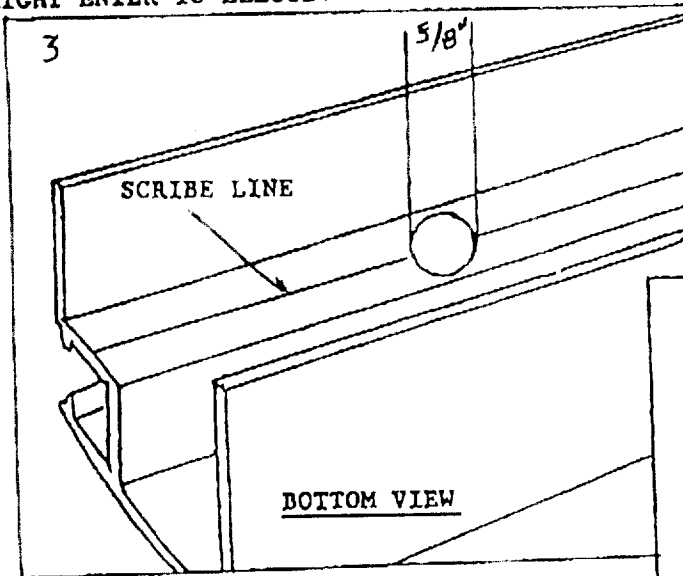


1- THE MULLION MAY BE ADDED TO THE DOOR MULLION, WINDOW-WINDOW MULLION, WINDOW PANEL MULLION and PANEL TO PANEL MULLION WITH MALE "H" ON ONE SIDE FEMALE "H" OR STANDARD "H" ON OTHER SIDE.

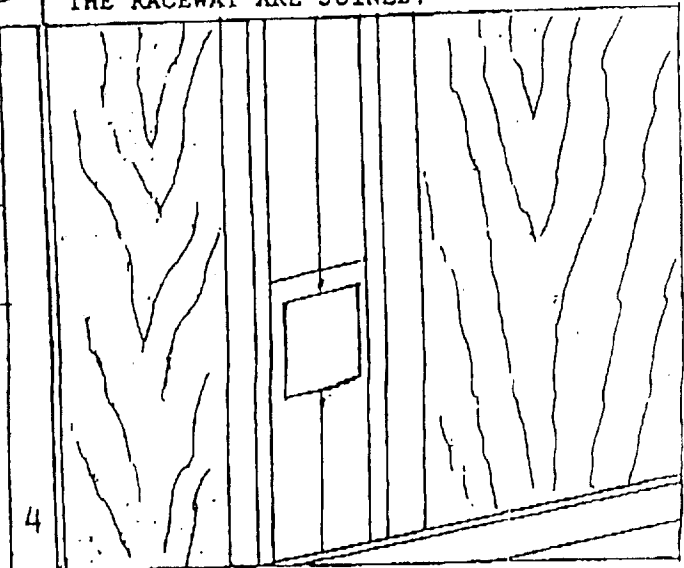


2- RACEWAY COVER SHOULD BE CUT TO CLEAR ELECTRICAL CHASE NIPPLE IN HEADER BEAM. COVER IS DESIGNED TO SLIDE WHILE IN PLACE ENABLING PROPER POSITIONING INTO BOTTOM TRACK AND HEADER BEAM

CAUTION DO NOT DRILL/SCREW IN CENTER CAVITY ON VERTICAL RACEWAY, WATER MIGHT ENTER TO ELECTRICAL WIRES.



3- RACEWAY HOLES IN THE HEADER BEAM ARE NOT FACTORY PUNCHED. 5/8" HOLES ARE LOCATED AND DRILLED BY INSTALLER AT BOTTOM WEB OF HEADER BEAM (CENTER ON SCRIBE LINE), BEFORE JOINING MODULES WITH RACEWAY. THIS IS VERY IMPORTANT FOR IT WILL BE VERY DIFFICULT TO DRILL HOLE AFTER THE TWO MODULES CONTAINING THE RACEWAY ARE JOINED.



4- ON VERTICAL RACEWAY SNAP BOTTOM (PRE-PUNCHED) COVER IN RACEWAY SLIDE DOWN INTO BOTTOM TRACK. SNAP IN TOP COVER PUSH UP UNDER ELECTRICAL BEAM, OR PUT BEAM UP AFTER WALLS OR UP

*NOTE- SECURE RECEPTACLE WITH (2)-1/8" POP RIVETS ON SPRING SIDE OF COVER TO KEEP RECEPTACLE FROM BEING PULLED OUT

*NOTE- WHERE RACEWAY IS TO BE USED FOR ELECTRICAL PURPOSE, OBTAIN PERMISSION FROM LOCAL BUILDING DEPARTMENT. A LICENSED ELECTRICAL CONTRACTOR MUST BE USED AND AN ELECTRICAL PERMIT MUST BE OBTAINED

WIRING METHOD FOR ROOM

BEFORE INSTALLING ROOM WITH ELECTRICAL RACEWAY & ELECTRICAL LOAD BEARING BEAM BE SURE TO DRILL HOLES (5/8" THROUGH BOTTOM OF BEAM ON SCRIBE LINE) FOR BUSHINGS WHERE NEEDED. USING UL APPROVED BUSHING (PLASTIC OR METAL)

NOTE LAYOUT RACEWAYS RUN A RAZOR BLADE OR SHARP KNIFE DOWN EACH SIDE TO SEPARATE COVERS FROM RACEWAYS. MAKE SURE TO MARK BOTTOM OF RACEWAYS SO COVERS WILL GO ON THE SAME WAY THEY CAME OFF.

AFTER ROOM & TOP ARE INSTALLED PER BUILDING CODE & ALCANS SUGGESTIONS, BRING METAL RIGID CONDUIT FROM EXISTING POWER SUPPLY USING APPROVED FITTINGS.

INSTALLING DUMMY RACEWAY AT WALL NEXT TO WALL CHANNEL OR GOING TO FIRST ELECTRICAL CHASE MULLION (VERTICAL RACEWAY). ATTACH A UL LISTED BOX FOR OUTSIDE USE AND UL LISTED FITTINGS. DRILL HOLE FOR BUSHING, ATTACH BOX TO VERTICAL RACEWAY USING #8 X 5/8 TEX. SCREWS INTO OUTSIDE VERTICAL UPRIGHT PORTIONS OF ELECTRICAL RACEWAY, SO AS TO KEEP RACEWAY WATERTIGHT. INSTALL UL APPROVED BUSHING INTO BOX & RACEWAY.

PROCEED TO ALL RACEWAYS WHERE OUTLET RECEPTACLES ARE TO BE LOCATED. INSTALL BOTTOM SNAP-IN COVER WHICH IS PRE CUT & PUNCHED FOR RECEPTACLES. SNAP IN AT BOTTOM OF RACEWAY, SLIDE DOWN INTO BOTTOM TRACK. USING CRACK AS DRILL LINE, SECURE TO RACEWAY BY USING 2-1/8" POP RIVETS ON SPRING SIDE OF COVER BETWEEN COVER & RACEWAY NEXT TO OUTLET POSITION. SO RECEPTACLE WILL NOT PULL OUT. AND (2) 1/8" POP RIVETS TO BOTTOM TRACK INTO COVER *NOTE (THESE POP RIVETS WILL BE ALL ALUMINUM AND UNPAINTED)

RUN #12 AWG. INSULATED COPPER WIRE OR CONDUCTORS (RHW, TW, THW, THWH, XHHW) USING BLACK FOR POWER, WHITE FOR NEUTRAL & GREEN FOR GROUND. PULL WIRES UP RACEWAY TO LOAD BEARING BEAM THROUGH BUSHING ACROSS ELECTRICAL LOAD BEARING BEAM TO FIRST RACEWAY. PULL WIRES THROUGH BUSHING DOWN RACEWAY TO OUTLET LEAVE AT LEAST 12" OF WIRE EXPOSED. CUT PROCEED UP RACEWAY TO BEAM THROUGH BUSHING TO NEXT RACEWAY UNTIL ALL WIRE IS INSTALLED

INSTALL ALL RECEPTACLE OUTLETS, USING AN UL APPROVED GROUNDING TYPE RECEPTACLE (RATED 125V, 15 A OR 20A) WIRE BLACK TO GOLD SIDE WHITE TO SILVER SIDE & USING GREEN FOR GROUND. INSTALL GROUND WITH GROUND CLIP (TO BE HIDDEN WHEN COVER IS APPLIED) & ATTACH RECEPTACLE TO COVER WITH APPROVED SCREWS OR THE ONES THAT COME WITH RECEPTACLE. ATTACH UL APPROVED OUTLET COVER.

NOTE ALL POP RIVETS WILL BE ALL ALUMINUM AND UNPAINTED TO CONTINUE
***** GROUND PATHS.

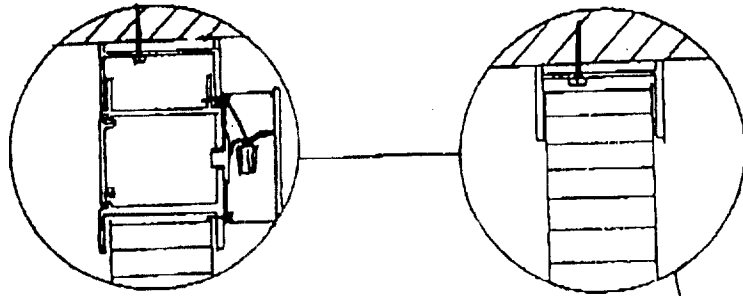
ALL RECEPTACLE OUTLETS WILL BE SECURED WITH (2) 1/8" UNPAINTED POP RIVETS ON SPRING SIDE OF COVER SO THEY WILL NOT PULL OUT OF WALL

ALL OUTSIDE OF ROOM AND TOP WILL BE SEALED PER ALCANS INSTALLATION SUGGESTION TO PREVENT LEAKS.

ALL CUT-OUTS FOR ELECTRICAL BOXES AND ACCESS HOLES WILL BE SMOOTHED OUT, WHICH WIRES WILL BEAR.

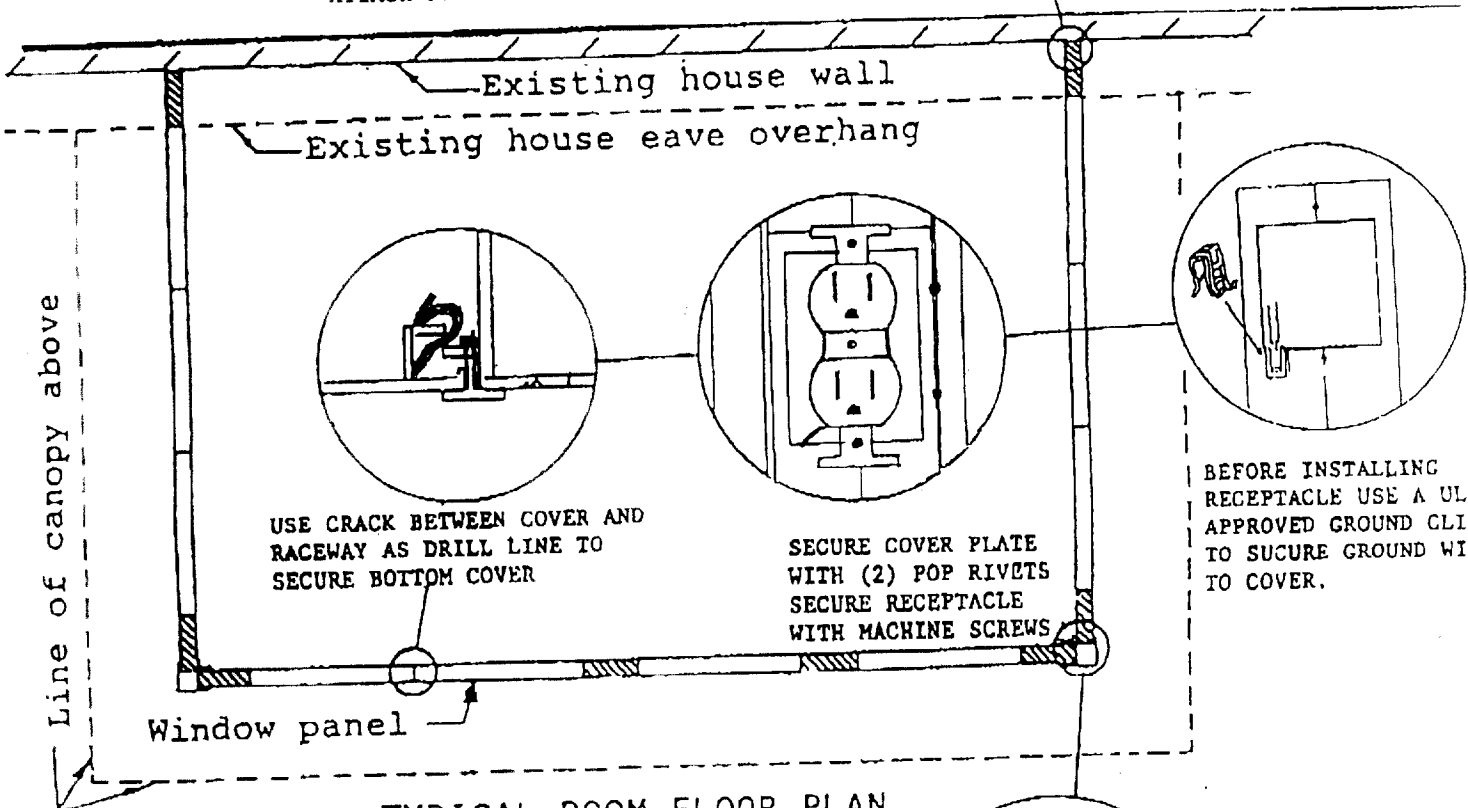
ALL FANS AND LIGHTS WILL BE MOUNTED WITH BRACKETS THAT ARE SUPPLIED WITH IT. BRACKETS WILL BE ATTACHED TO ROOF PANEL AND FAN OR LIGHT.

*IF SCREWS ARE USED TO ENTER RACEWAY, HOLES WILL BE TAPPED TO ACCEPT MACHINE SCREWS, TO HELP AVOID POSSIBLE SHARP POINTS.



ATTACH RACEWAY TO WALL CHANNEL

IF WALL CHANNEL IS USED GO TO FIRST RACEWAY TO BRING IN POWER



Existing house wall
Existing house eave overhang

USE CRACK BETWEEN COVER AND RACEWAY AS DRILL LINE TO SECURE BOTTOM COVER

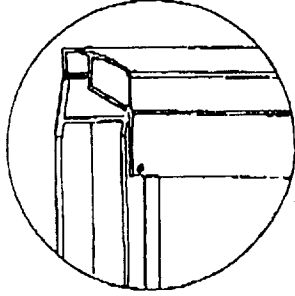
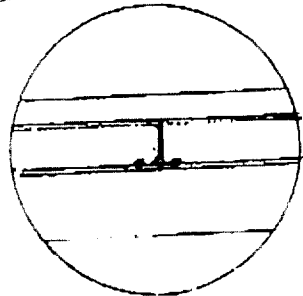
SECURE COVER PLATE WITH (2) POP RIVETS
SECURE RECEPTACLE WITH MACHINE SCREWS

BEFORE INSTALLING RECEPTACLE USE A UL APPROVED GROUND CLIP TO SUCURE GROUND WIRE TO COVER.

Line of canopy above

Window panel

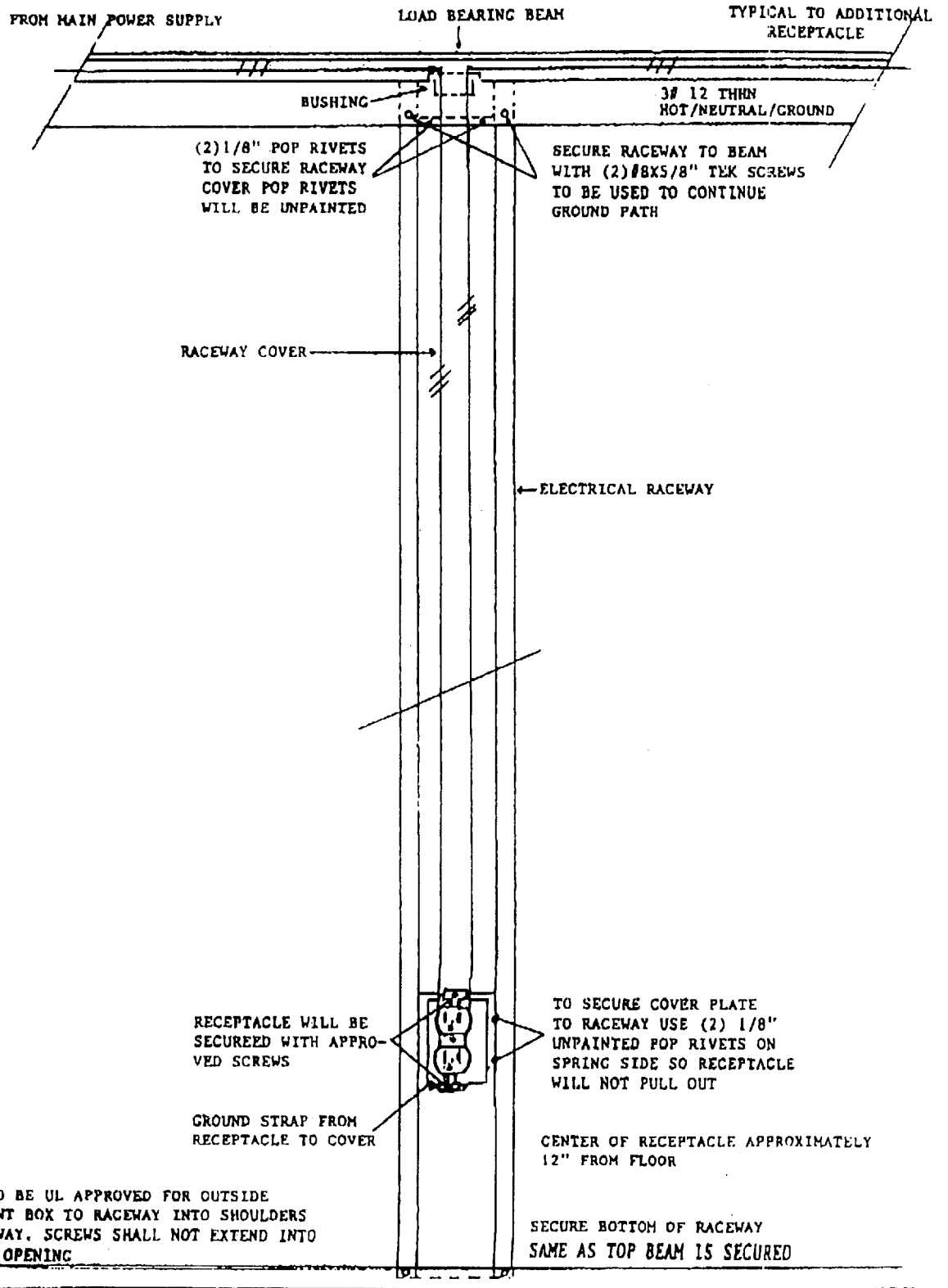
TYPICAL ROOM FLOOR PLAN



ON ELEC. LOAD BEARING BEAM COVERS.
PUT 1-1/8" POP RIVET AT EACH END
AND AT SPLICES (USING CRACK AS DRILL
LINE THROUGH COVER AND BEAM)
NOTE* POP RIVETS ARE FOR PURPOSE OF
CONTINUING GROUND PATH BETWEEN COVER
AND ELEC. BEAM.

WHEN USING ELEC. BEAM ON SIDE WALLS AND
FRONT WALL. ALL CORNERS OR TO BE MITERD
AND SEALED TO MAKE RACEWAY CONTENTIOUS.

*NOTE-ALL POP RIVETS USED ABOVE WILL BE ALL ALUMINUM AND UNPAINTED SO AS TO CONTINUE
GROUND PATHS.



FROM OUTSIDE POWER SUPPLY

J-BOX TO BE UL APPROVED FOR OUTSIDE USE. MOUNT BOX TO RACEWAY INTO SHOULDERS OF RACEWAY. SCREWS SHALL NOT EXTEND INTO RACEWAY OPENING

RECEPTACLE WILL BE SECURED WITH APPROVED SCREWS

GROUND STRAP FROM RECEPTACLE TO COVER

TO SECURE COVER PLATE TO RACEWAY USE (2) 1/8\"/>

CENTER OF RECEPTACLE APPROXIMATELY 12\"/>

SECURE BOTTOM OF RACEWAY SAME AS TOP BEAM IS SECURED

SIDE DETAIL

BOTTOM CHANNEL

FRONT-DETAIL

WIRING FOR 3" ROOF

NOTE* ALL CUTS WILL BE SMOOTHED OUT FOR WIRES TO BEAR USING A FILE
SUGGESTIONS FOR CUTTING PANEL:USE COMPOUND-ACTION AVIATION SNIPS
NO SHEET METAL SCREWS THAT ENTER RACEWAY WILL BE USED.

INSTALL 3" W/B HEADER ATTACHMENT TO WALL (TO BE USED AS WALL CHANNEL FOR ROOF PANELS).RUN FROM EXISTING POWER SUPPLY & BRING 1/2" EMT RIGID METAL CONDUIT. DRILL HOLE IN WALL ATTACHMENT INSTALL 1/2" CONNECTOR AND RIGID CONDUIT.

BEFORE INSTALLING 3" ROOF PANEL WITH ELECTRICAL RACEWAY
LAY 3" ROOF PANEL UPSIDE DOWN OR RACEWAY OPENING UP. POSITION BOX WHERE WANTED.TRACE OUTLINE OF BOX ONTO ROOF PANEL OVER CENTER OF RACEWAY. DRILL HOLE IN CENTER OF BOX OUTLINES.CUT OUT OPENING USING LINES FOR CUTTING (BE CAREFUL NOT TO CUT TABS OFF OF RACEWAY EXTRUSTION) MAKE SURE HOLE IS SMOOTH(USE FILE TO SMOOTH).
MOUNT BUSHING OR UL APPROVED CHASE NIPPLE INTO BOX SLIDE BOX TO OPENING & ATTACH BOX TO RACEWAY USING 4 EA 1/4 X 3/4" TEK SCREWS UP THROUGH BOX INTO BACK SIDE OF RACEWAY.

PROCEED TO END WHERE PANEL WILL ATTACH TO WALL.NOTCH OUT OPENING USING TABS ON RACEWAY EXTRUSTION AS GUIDE LINES. CUT BACK 4 1/8" FROM END ALSO CUT THE WIDTH OF INSIDE TABS OF RACEWAY MAKING A OPENING OF 2 7/8 X 4 1/8". WHEN PANEL IS INSTALLED THIS WILL MAKE A OPENING FOR A ACCESS HOLE FOR PULLING WIRES

FAN OR LIGHT WILL BE MOUNTED WITH BRACKET FOR PURPOSE.AND TO BOX USING TABS WITH SCREWS THAT ARE SUPPLIED WITH BOX AND TO 3" ROOF PANEL.

INSTALL PANEL WITH RACEWAY IN LOCATION WHERE NEEDED PROCEED TO FINISH INSTALLING REST OF ROOF.PULL WIRES CONSISTING OF (3) INSULATED COPPER WIRES #12(THHN)HOT, NEUTRAL, GROUND, THROUGH 1/2" EMT METAL CONDUIT TO ACCESS PANEL, THEN TO J-BOX.LIGHT THEN WILL BE MOUNTED TO BOX, FAN WILL BE MOUNTED TO BOX AND ROOF,FLANGE ON RACEWAY WILL ALSO SUPPORT FAN. USE GROUND STRAP WHERE NEEDED.

NOTE
***** ALL POP RIVETS WILL BE ALUMINUM (NOT STEEL)
AND WHERE GROND PATH NEEDS TO BE CONTINUED USE UNPAINTED POP RIVETS.

ALL OUTSIDE OF ROOM AND TOP WILL BE SEALED PER ALCANS INSTALLATION SUGGESTION TO PREVENT LEAKS.

ALL CUT-OUTS FOR ELECTRICAL BOXES AND ACCESS HOLES WILL BE SMOOTHED OUT WHICH WIRES WILL BEAR.

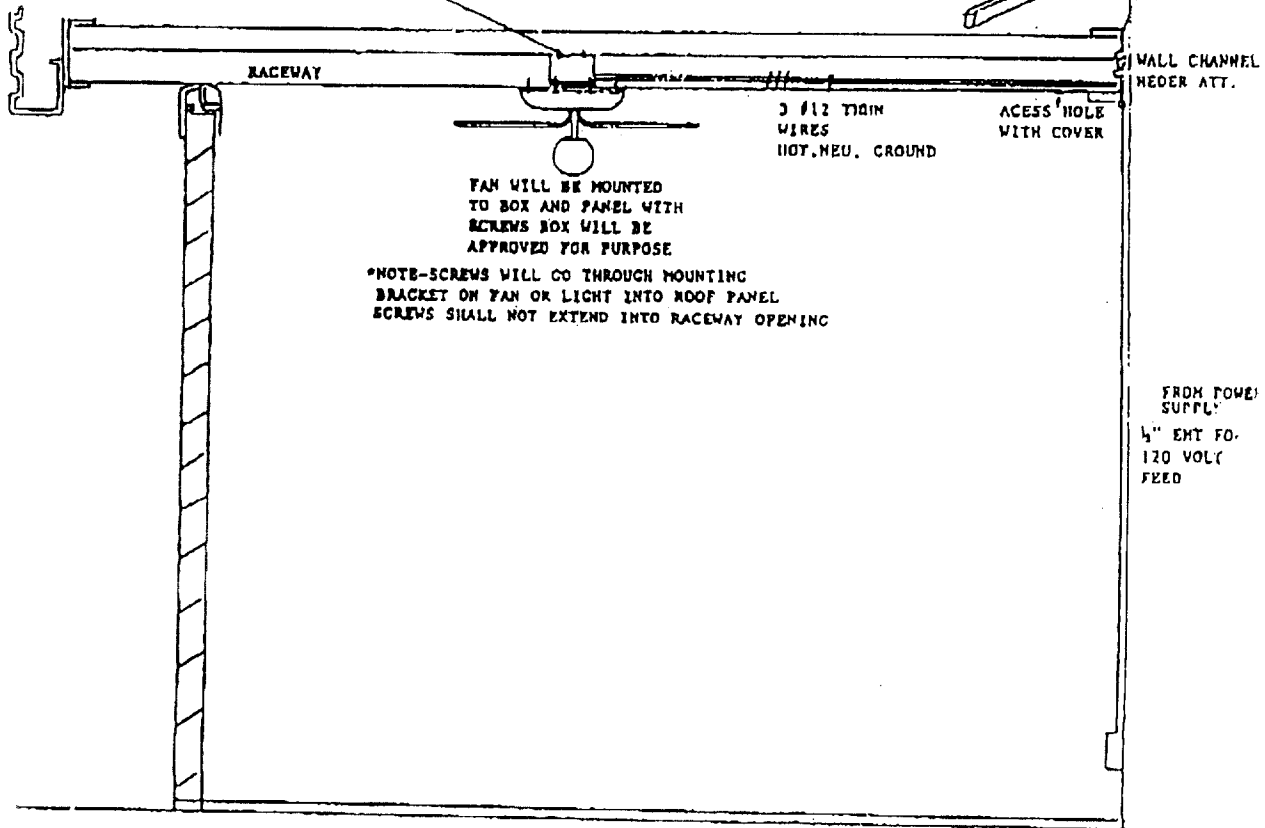
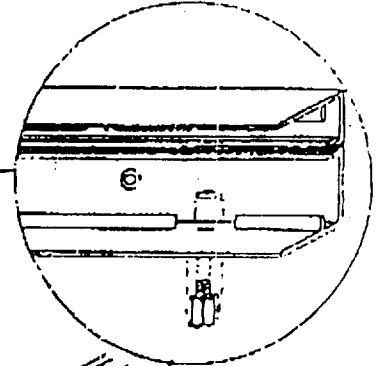
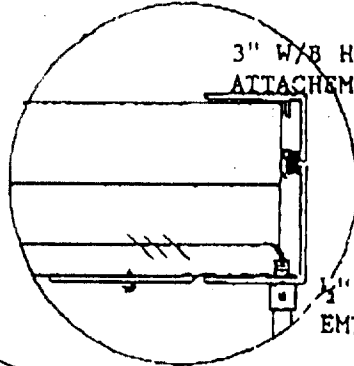
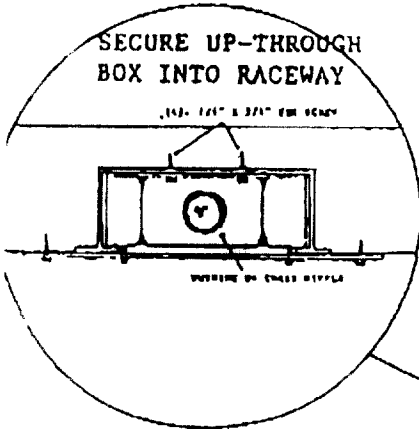
ALL FANS AND LIGHTS WILL BE MOUNTED WITH BRACKETS THAT ARE SUPPLIED WITH IT.BRACKETS WILL BE ATTACHED TO ROOF PANEL AND FAN OR LIGHT.

*IF SCREWS ARE USED THAT ENTER RACEWAY, HOLES WILL BE TAPPED TO ACCEPT MACHINE SCREWS, TO HELP AVOID POSSIBLE SHARP POINTS.

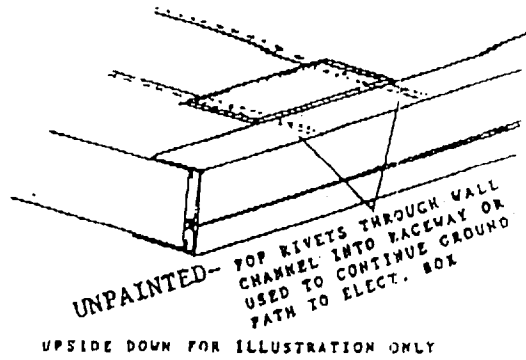
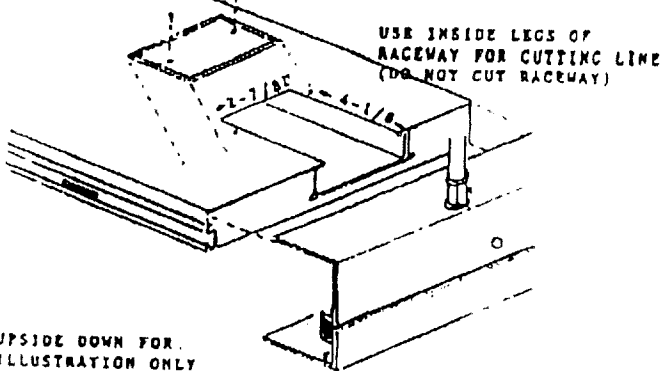
FAN OR LIGHT BRACKET MOUNTED TO TABS ON J-BOX WITH MACHINE SCREWS, AND TO ROOF PANEL WITH TEK SCREWS. USE GROUNDING CLIP TO SECURE GROUND WIRE TO SIDE OF BOX.

ACCESS COVER PLATE WILL BE UL APPROVED PLASTIC BLANK COVER. ALL SCREWS THAT ENTER WIRE PATH SHALL BE MACHINE TYPE WITH NO SHARP POINTS OR USE 1/8" POP RIVETS.

DRILL HOLE IN WALL ATTACHMENT IN BOTTOM LEG WHERE 1/2" EMT CONN. WILL BE LOCATED. MAKE SURE TO BREAK LEGS ON EACH SIDE OF HOLE FOR CONNECTOR NUT TO CLEAR.

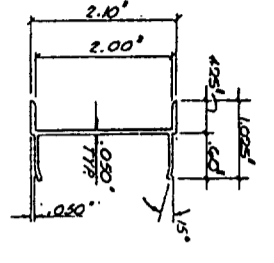


SCREWS WILL CATCH VERTICAL LEG ON RACEWAY

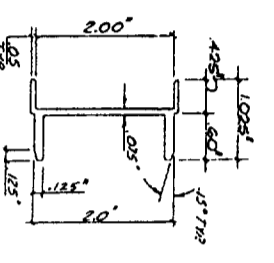




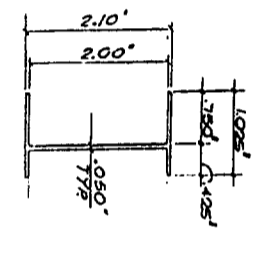
Registration No. 2788
 at the time of registration
 provided as required by the laws
 of the State of California
 and the laws of the State of
 Arizona, Florida, Idaho,
 Kansas, Minnesota, New Mexico,
 Oregon, Utah, Washington
 and the laws of the State of
 Nevada.



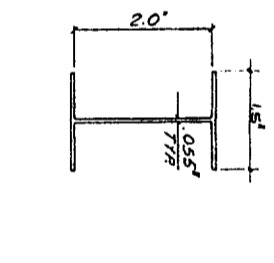
MALE "H" 1



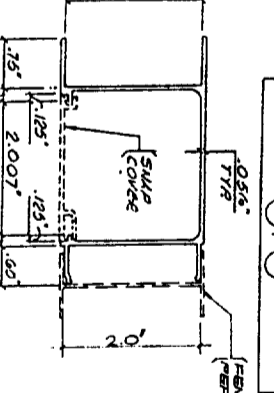
HD MALE "H" 2



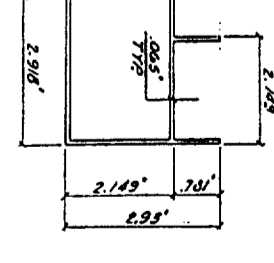
FEMALE "H" 3



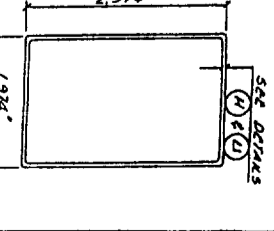
STANDARD "H" 4



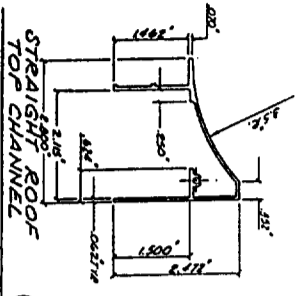
ER "H" 5



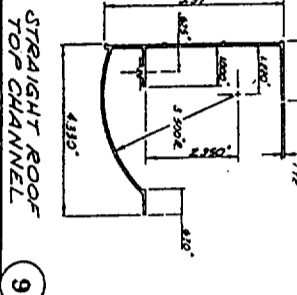
CORNER POST 6



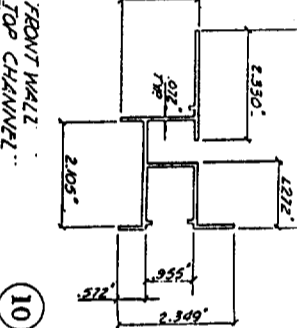
SR POST 7



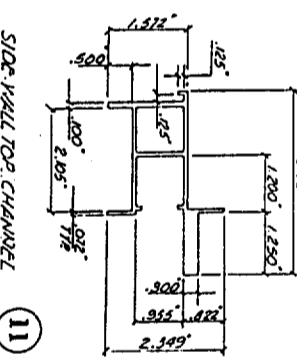
STRAIGHT ROOF TOP CHANNEL 8



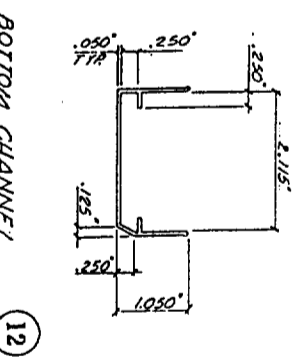
STRAIGHT ROOF TOP CHANNEL 9



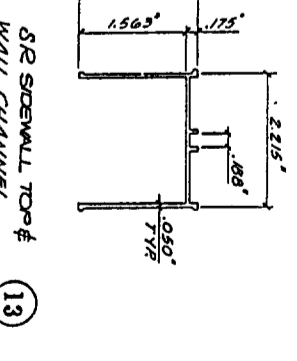
FRONT WALL TOP CHANNEL 10



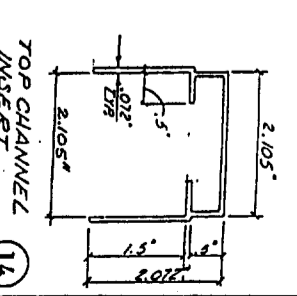
SIDE WALL TOP CHANNEL 11



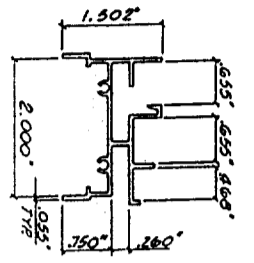
BOTTOM CHANNEL 12



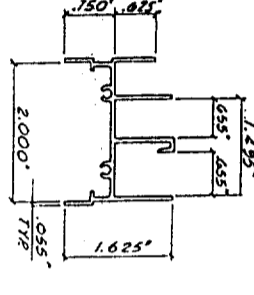
SR SIDEWALL TOP & WALL CHANNEL 13



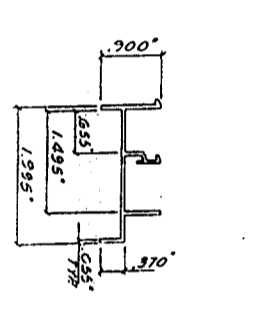
TOP CHANNEL INSERT 14



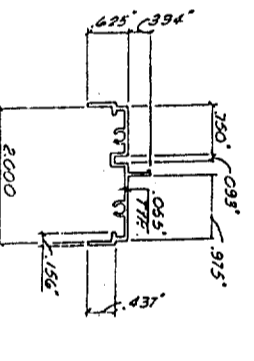
SLIDING WINDOW SILL 15



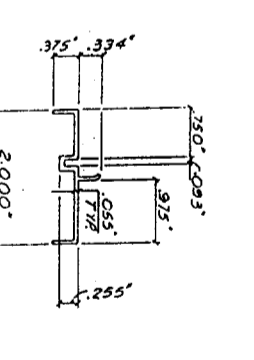
SLIDING WINDOW HEAD 16



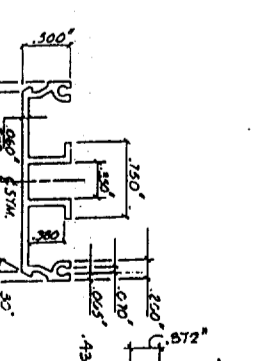
SLIDING WINDOW SIDE 17



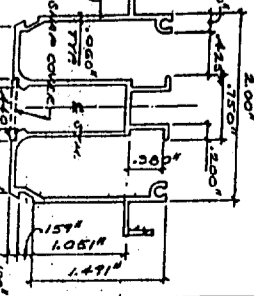
FIXED GLAZING HEAD & SILL 18



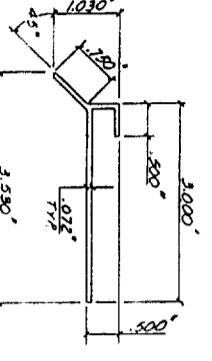
FIXED GLAZING SIDE 19



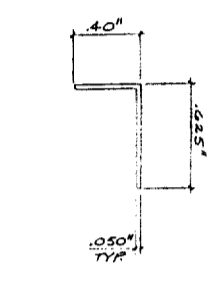
GLAZING TRAY 20



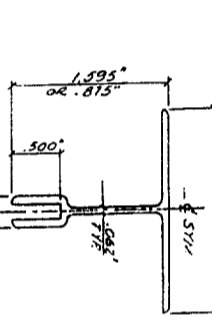
GLAZING TRAY 21



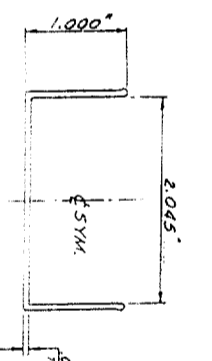
FRONT WALL ADJUSTMENT CHANNEL 22



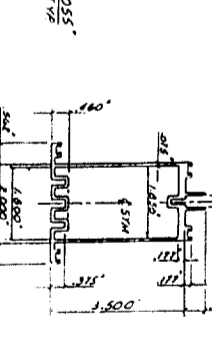
GLAZING TRAY CLIF 23



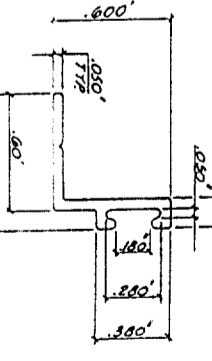
GLAZING TOP CAP 24



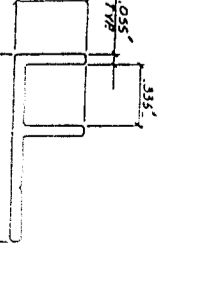
1' X 2' CHANNEL 25



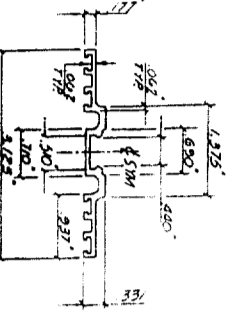
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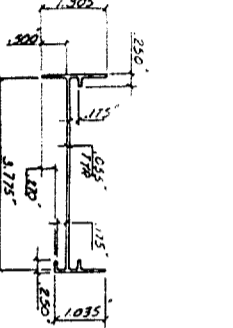
GLAZING CHANNEL 27



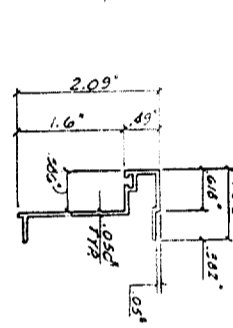
WEDGE GLAZING CHANNEL 28



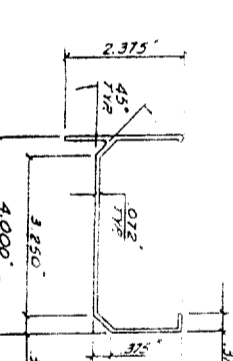
PURLIN CAP 29



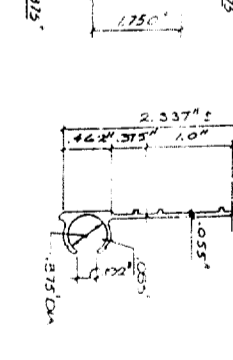
INSULATED PANEL END CAP 30



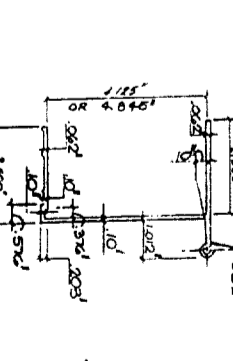
SWINGING DOOR JAMB 31



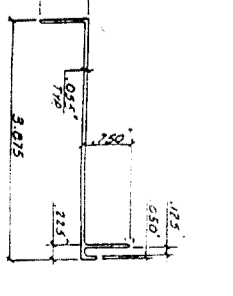
GUTTER 32



HANGING RAIL 33



HANGING CHANNEL 34



HANGING CHANNEL CAP 35

MAY BE USED AS ALTERNATE TO WANTED (1) & (3) MILLION

SEE DETAILS (H) & (I)

DATE: OCT. 1997
 JOB NO. H-194
 DRAWN BY: J.A.
 DWG. NO. ER-1

"ELITE" & "ECLIPSE"
 PARTS DETAILS

ALMET BUILDING PRODUCTS INC.
 227 S. Town East Blvd. Mesquite, TX 75149
 P.O. Box 850163 Mesquite, TX 75183-0163
 Telephone: 214-285-8811 Fax: 214-882-8841

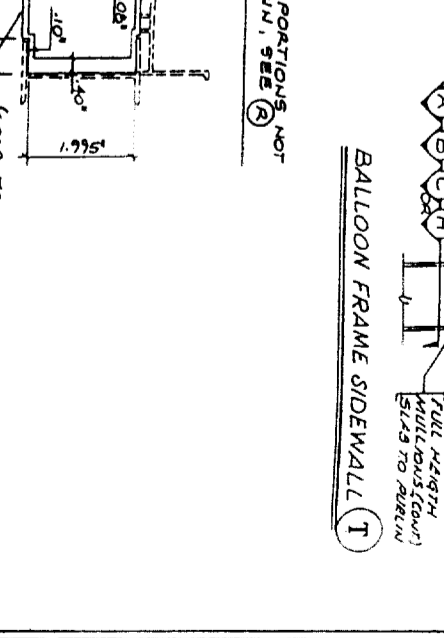
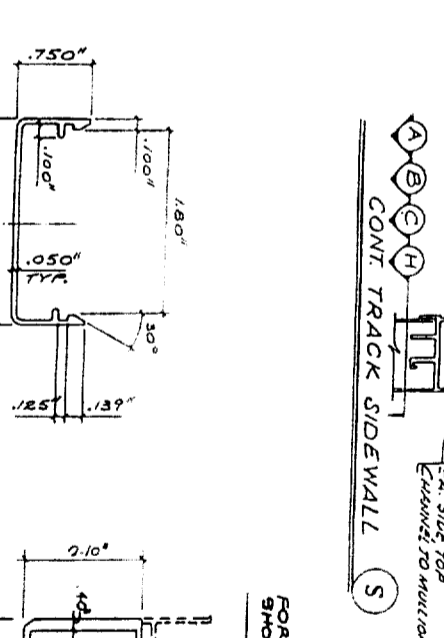
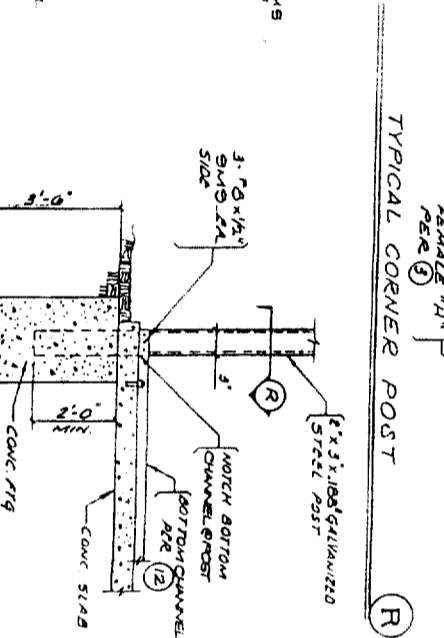
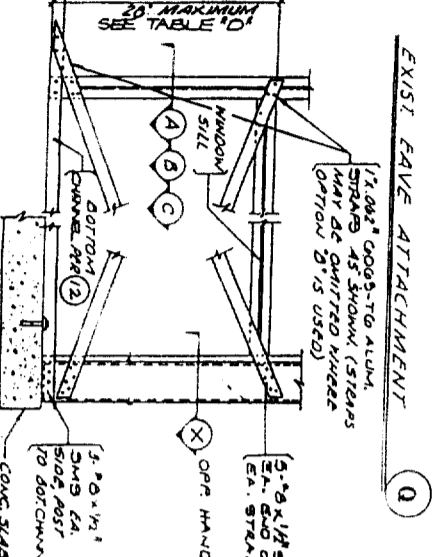
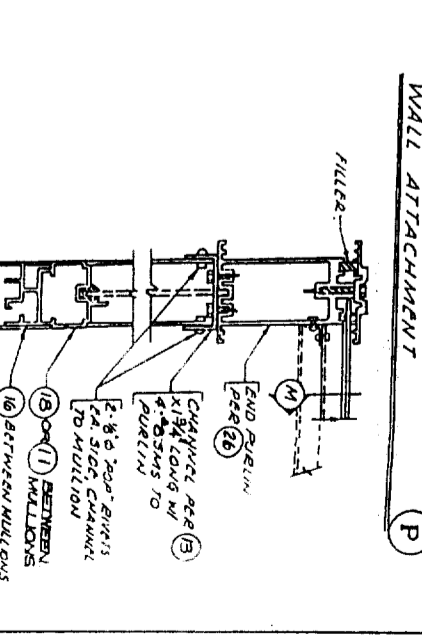
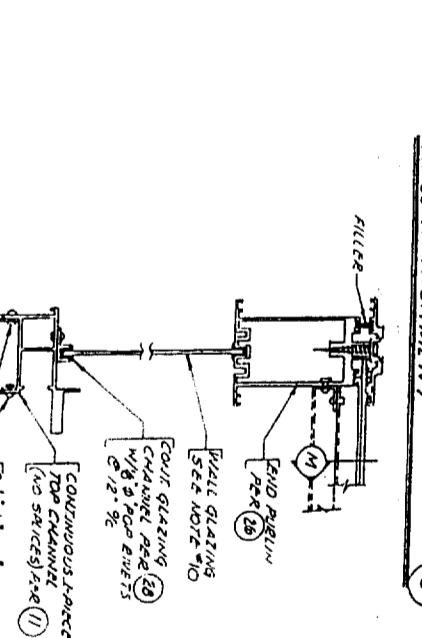
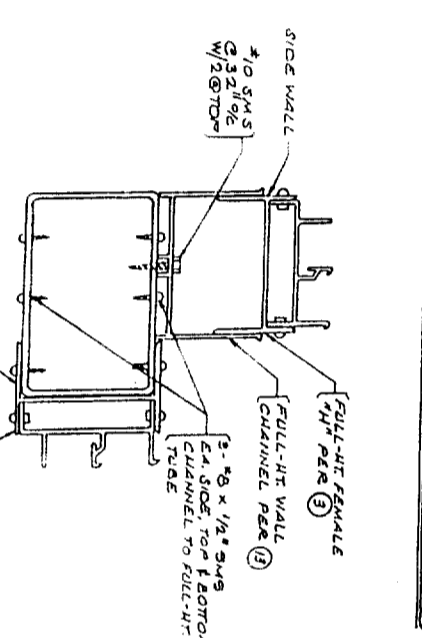
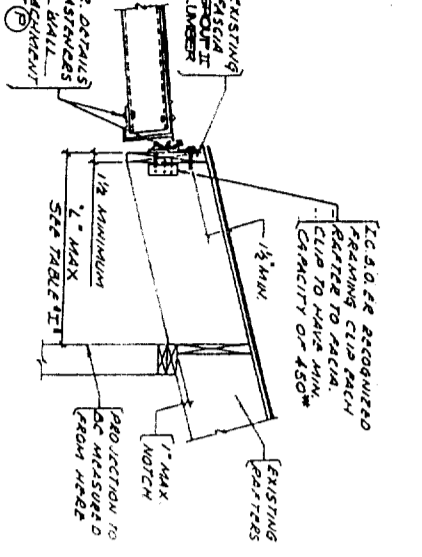
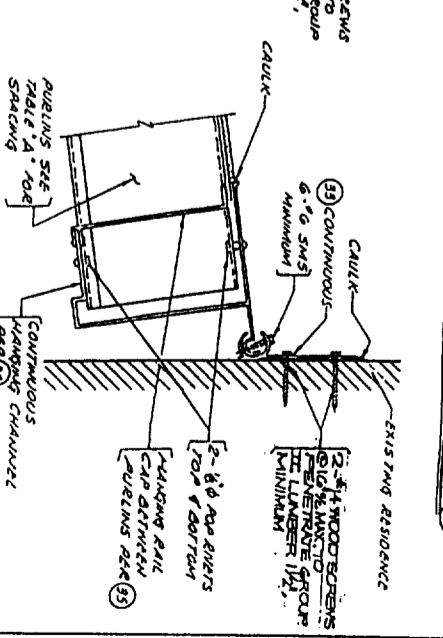
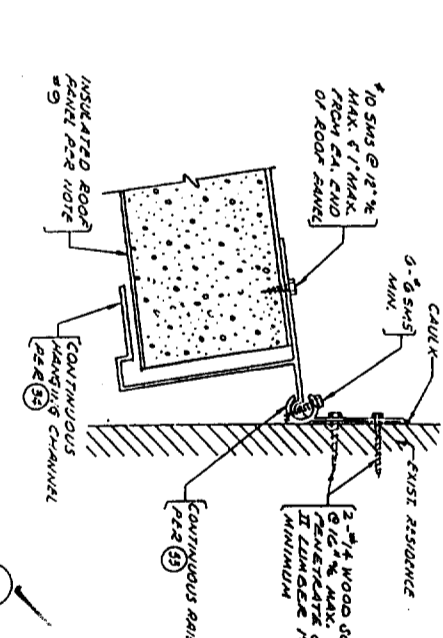
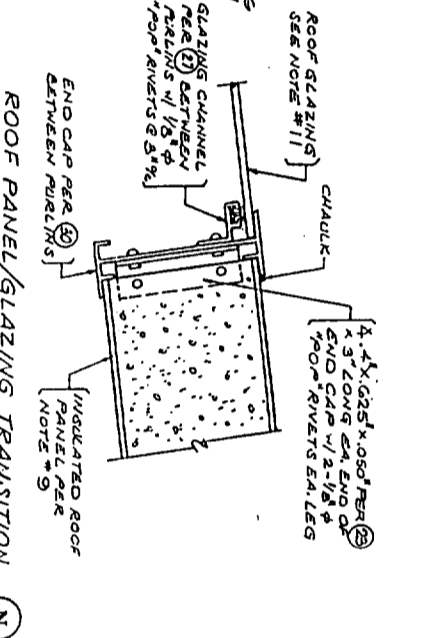
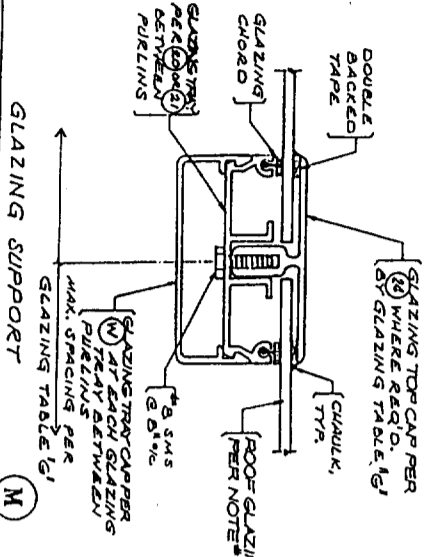
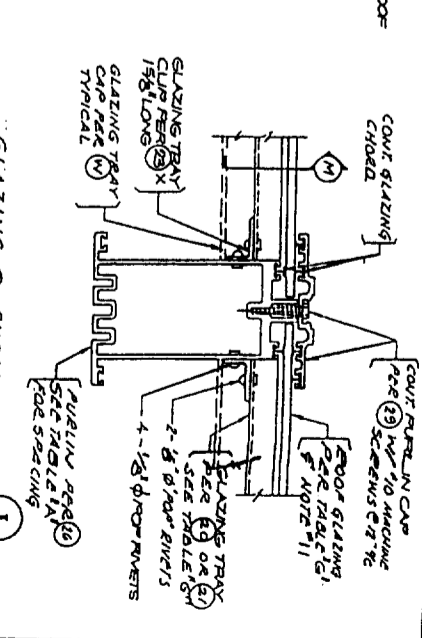
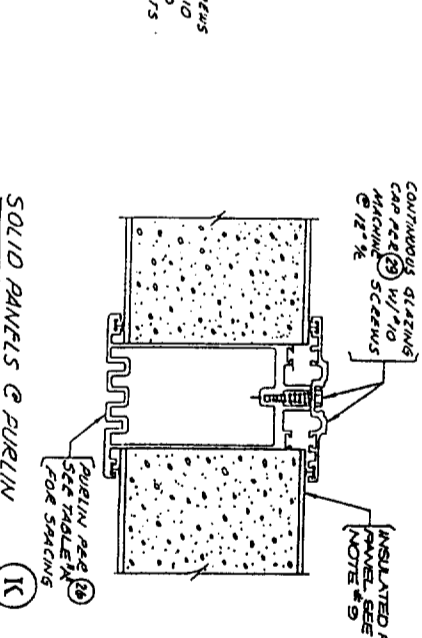
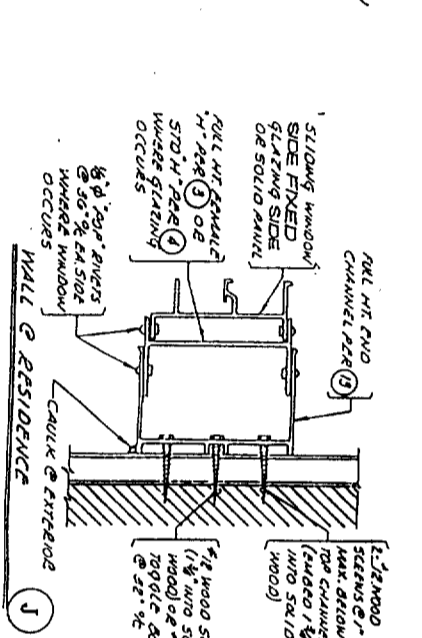
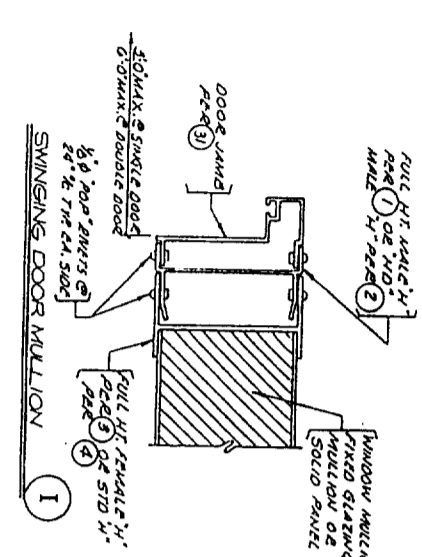
ICBO EVALUATION SERVICE INC. REPORT NO. 3421P

ASHTON, VANCE & ASSOC., INC.
 structural engineering
 (909) 924-8183

LICENSED PROFESSIONAL ENGINEER
 ARIZONA CALIFORNIA
 COLORADO FLORIDA IDAHO
 KANSAS MINNESOTA NEW MEXICO
 OREGON UTAH WASHINGTON



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"ELITE" & "ECLIPSE" ASSEMBLY DETAILS

ALLMET BUILDING PRODUCTS INC. 227 S. Town East Blvd. Mesquite, TX 75149 P.O. Box #50163 Mesquite, TX 75185-0163 Telephone: 214-285-8811 Fax: 214-882-8843

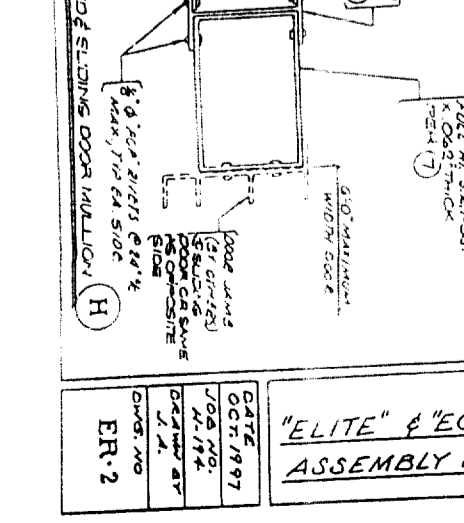
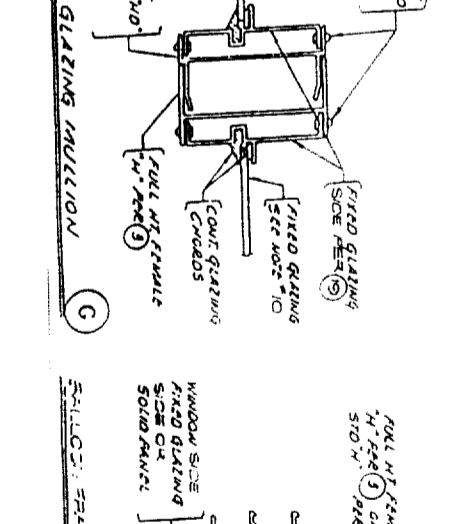
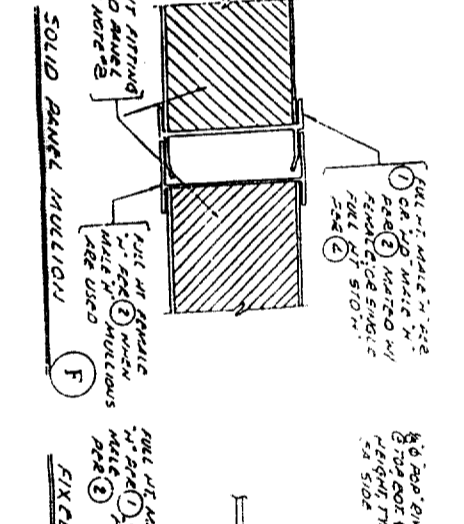
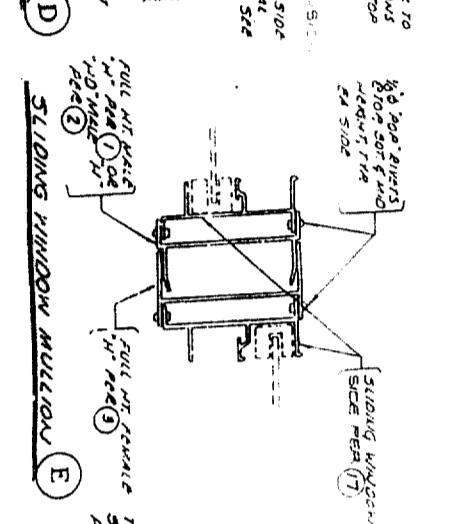
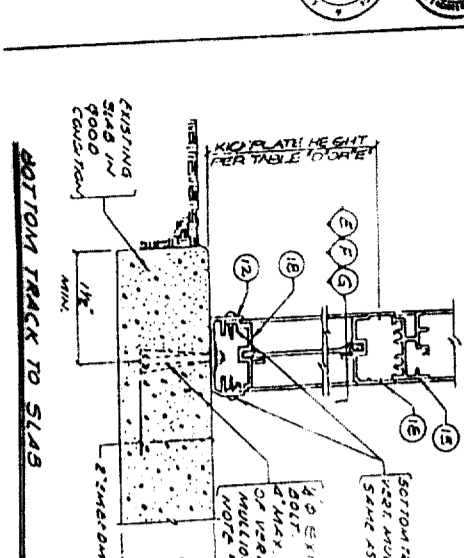
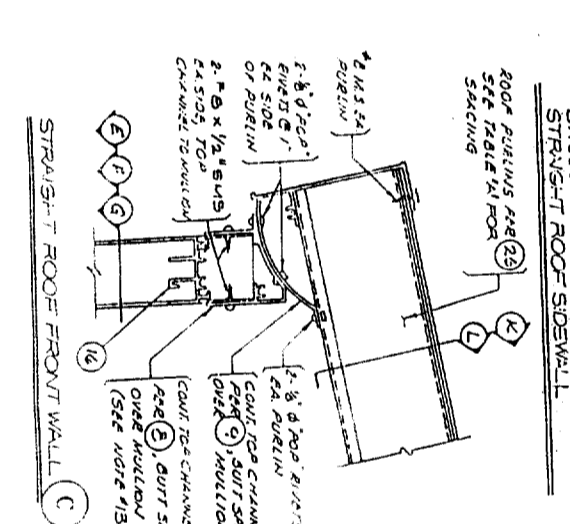
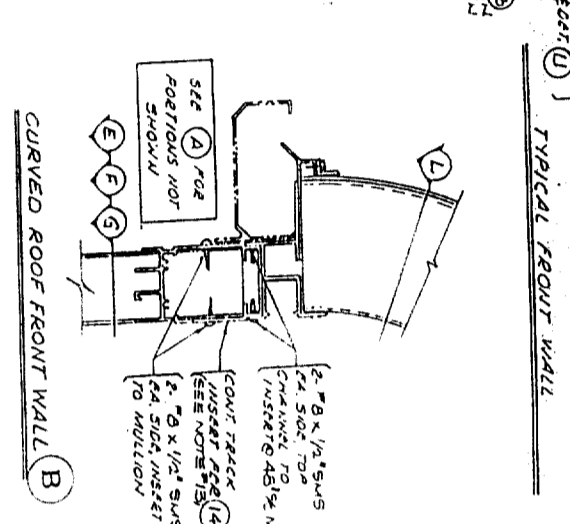
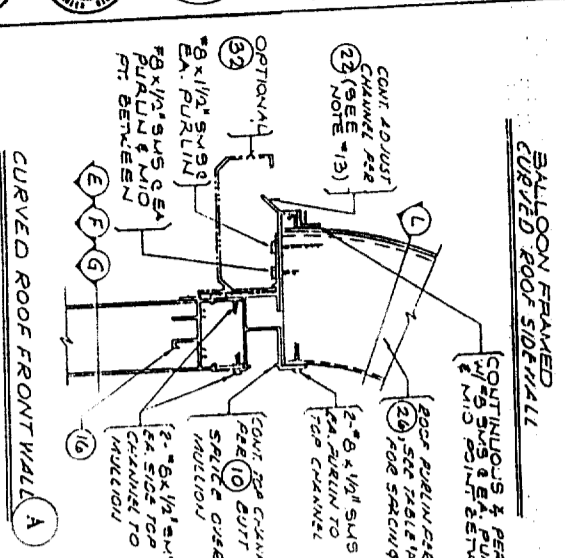
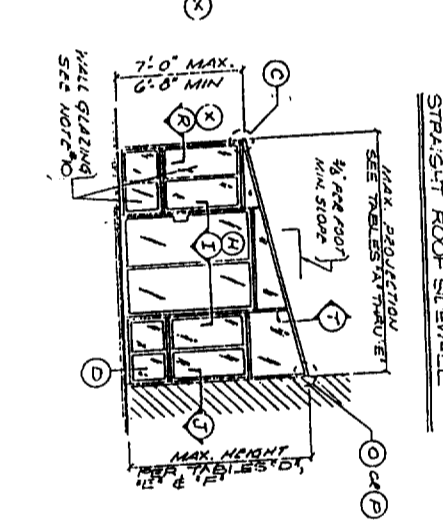
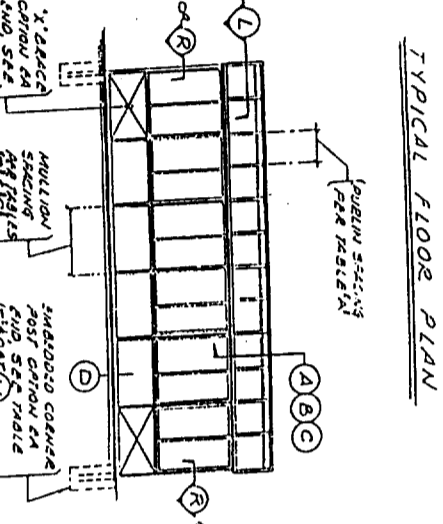
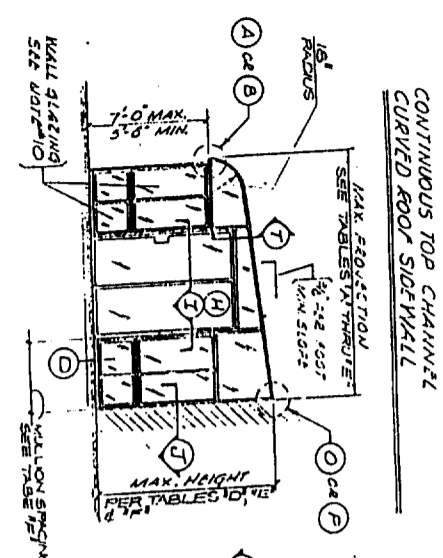
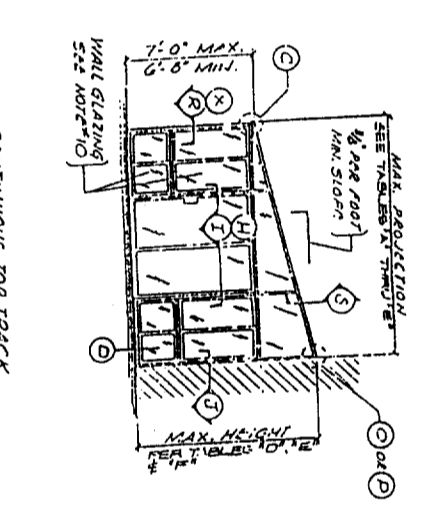
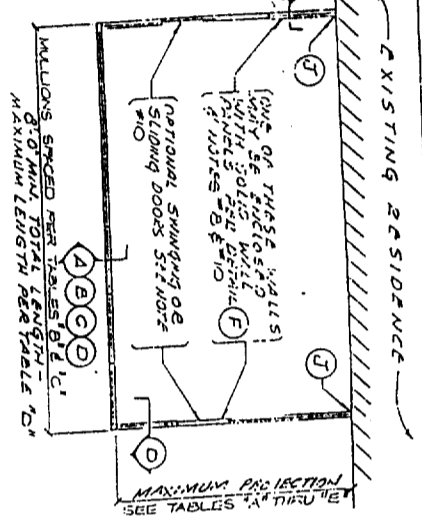
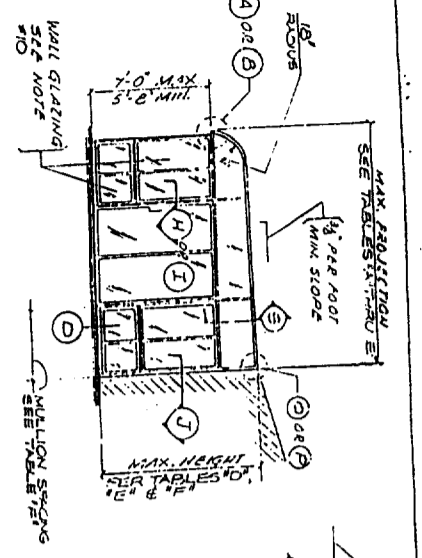
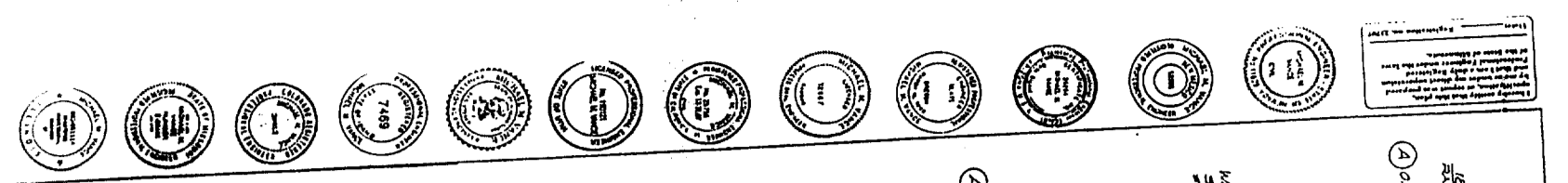


ICBO EVALUATION SERVICE INC. REPORT NO. 3421P

ASITON, VANCE & ASSOC., INC. 909 726-8155

LICENSED PROFESSIONAL ENGINEER ARIZONA CALIFORNIA COLORADO FLORIDA IDAHO ILLINOIS INDIANA IOWA KANSAS KENTUCKY MISSOURI NEBRASKA NEW MEXICO NORTH CAROLINA NORTH DAKOTA OHIO OKLAHOMA SOUTH CAROLINA TEXAS UTAH WASHINGTON

DATE: OCT. 1997
DESIGN: A-192
DRAWING: 1 of 1
REV. NO.: ER-3



GENERAL NOTES & SPECIFICATIONS

- THIS PANEL COVER AND ENCLOSURE SYSTEM IS LIMITED TO RECREATION AND OUTDOOR LIVING ENCLOSURES ONLY PER CHAPTER 31, APPENDIX A AND THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE AND THE LATEST EDITIONS OF THE INTERNATIONAL PLUMBING AND MECHANICAL CODES. THIS SYSTEM IS NOT TO BE USED AS AN EXTERIOR WALL OR PART OF AN EXTERIOR WALL IN GROUP I OCCUPANCIES, OR IN SINGLE DWELLING UNITS IN GROUP R1 OCCUPANCIES.
- ALL PARTS AND DETAILS SHOWN ON DRAWING 18-11 ARE OF ALUMINUM ALLOY AND TEMPER 6063-T6, UNLESS SHOWN OTHERWISE.
- EACH INSTALLATION SHALL BEAR AN IDENTIFICATION TAG GIVING THE NAME AND ADDRESS OF THE MANUFACTURER, DESIGN LOADS AND ANY APPROPRIATE APPROVAL NUMBERS.
- EXPANSION BOLTS SHALL BE RAWL-TUD PER EVALUATION REPORT 18-11 OF APPROVED EQUAL WITH A MINIMUM SPACING OF 6 INCHES AND A MINIMUM CONCRETE EDGE DISTANCE OF 12 BOLT DIAMETERS.
- ALL STEEL SHALL CONFORM TO ASTM SPEC. A-444, GRADE 'C' AND SHALL BE GALVANIZED.
- ALUMINUM SURFACES IN DIRECT CONTACT WITH WOOD OR CONCRETE SHALL BE GIVEN A HEAVY COAT OF ALKALI-RESISTANT BUTYLOX PRIMER. THE REQUIREMENTS OF U.S. MILITARY SPECIFICATION MIL-P-6883.
- ROOF RIVETS SHALL BE 5056 ALUMINUM RIVETS WITH A CARBON STEEL RIVET NUT AS MANUFACTURED BY THE IBCO. THEY MAY BE SUBSTITUTED FOR THE ROOF RIVETS. (# 5195)
- SOLID WALL PANELS SHALL COMPLY WITH AN EVALUATION REPORT CURRENTLY RECOGNIZED BY THE IBCO EVALUATION SERVICE TO IBCO. FOR DESIGNATED WIND LOADS. ALL PORTIONS SUBJECT TO WATER INTRUSION SHALL BE FULLY CALCULATED.
- SOLID ROOF PANELS SHALL COMPLY WITH AN EVALUATION REPORT CURRENTLY RECOGNIZED BY THE IBCO EVALUATION SERVICE. IBCO. FOR DESIGNATED LIVE/SNOW LOADS. ALL PORTIONS SUBJECT TO WATER INTRUSION SHALL BE FULLY CALCULATED.
- WALL GLAZING: THE OPEN AREA OF THE LONGER WALL AND ONE ADDITIONAL WALL SHALL BE AT LEAST EQUAL TO 25 PERCENT OF THE AREA BELOW A MINIMUM HEIGHT OF 60 INCHES MEASURED FROM THE FLOOR. THESE OPENINGS SHALL BE ENCLOSED WITH INSULATED GLASS UNITS (IGU) OR PLASTIC GLASS UNITS (PGU) WITH A MINIMUM THICKNESS OR GREENHOUSE RATING OF 1/2 INCH. THE REMAINING PORTIONS OF THE WALLS MAY BE SOLID PANELS PER THE REMAINING PORTIONS OF THE UNIFORM BUILDING CODES, OR PLASTIC. (SEE NOTES NO. 15 & 16 FOR ALTERNATE GLAZING)
- ROOF GLAZING: TYPE I AND TYPE II ROOF GLAZING IS INSULATING GLASS AND SINGLE PANE GLASS RESPECTIVELY, AND IS FULLY DESCRIBED IN TABLE 11 ON THE APPROPRIATE LOADING DRAWING. TYPE III GLAZING IS 1/2 INCH THICK LEXAN® AT MANUFACTURED BY THE GENERAL ELECTRIC COMPANY PER IBCO EVALUATION REPORT 18-09. ALL PORTIONS OF ROOF GLAZING THAT IS SUBJECT TO WATER INTRUSION SHALL BE FULLY CALCULATED.
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
- WHERE 2 CONTINUOUS PIECES ARE USED AT THE FRONT WALL TOP CHANNEL (DET. A) AND (B) THEY SHALL NOT BE SPLOD OVER THE SAME MULLION. (B) AND (C) SLICES BY A MINIMUM OF 48\"/>
- SNOW LOAD SYSTEMS HAVE BEEN DESIGNED FOR DESIGN ZONE 4 USING 25 PERCENT OF THE SNOW LOAD AS REPRESENTATIVE TO DESIGNIC FORCES.
- TEMPERED GLASS WITH A THICKNESS NOT EXCEEDING 1/2 INCHES AND INSTALLED IN CONFORMANCE WITH DRAWING W001 IS AN ALTERNATE TO THE PLASTIC INDICATED IN NOTE #10. ALL TEMPERED GLASS SHALL CONFORM TO THE REQUIREMENTS OF USC CHAPTER 24.
- WHEN APPROVED BY THE BUILDING OFFICIAL, ANY GLASS THAT COMPLEIES WITH THE REQUIREMENTS OF USC CHAPTER 24 MAY BE SUBSTITUTED FOR THE PLASTIC INDICATED IN NOTE #10 AS PERMITTED BY USC SECTION 104.1.9 FOR ALTERNATE MATERIALS OF CONSTRUCTION.
- ROOF GLAZING IS TO BE FIELD ASSEMBLED AND INSTALLED BY INSTALLERS ACCEPTABLE TO AND RECOGNIZED BY THE SUBMITTER.
- INSTALLATION OF WOOD SCABERS SHALL COMPLY WITH USC CHAPTER 23. PILE-ON HOLES SHALL BE 1/8\"/>

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"ELITE" & "ECLIPSE"
ASSEMBLY DETAILS

DATE: OCT. 1997
JOB NO.: 18-114
DRAWN BY: [Signature]
CHECKED BY: [Signature]
DWG. NO.: ER-2