

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 400 Saint John Street		Owner: William Meserve		Phone: 775-2671		Permit No: 010002	
Owner Address:		Lessee/Buyer's Name:		Phone:		BusinessName:	
Contractor Name: ***American Profiles		Address: 20 Blaine Street, Manchester, NH 03102		Phone:		Permit Issued: JAN 3	
Past Use:		Proposed Use:		COST OF WORK: \$ 4,000.00		PERMIT FEE: \$48.00	
<i>Single Family!</i> <i>legal use: Single family</i>		<i>No change allowed under this permit</i>		FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group <i>A-3</i> Type: <i>52</i> <i>BOCA 99</i>	
				Signature:		Signature: <i>[Signature]</i>	
Proposed Project Description: Repair 8 x 10 sunprch		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		Action:		Zoning Approval:	
				<input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied		Special Zone or Reviews: <i>OK S 12/01 with conditz</i>	
Permit Taken By: Gayle		Date Applied For: December 26, 2000 GG		Signature:		Date:	

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

PERMIT ISSUED WITH REQUIREMENTS

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

December 26, 2000

SIGNATURE OF APPLICANT _____ ADDRESS: _____ DATE: _____ PHONE: _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ PHONE: _____

Zoning Appeal

Variance
 Miscellaneous
 Conditional Use
 Interpretation
 Approved
 Denied

Historic Preservation

Not in District or Landmark
 Does Not Require Review
 Requires Review

Action:

Approved
 Approved with Conditions
 Denied

Date: _____

PERMIT ISSUED WITH REQUIREMENTS

CEO DISTRICT

3

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

**Building or Use Permit Pre-Application
Additions/Alterations/Accessory Structures
To Detached Single Family Dwelling**

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or Use Permit.

NOTEIf you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.**

Location/Address of Construction: 400 Saint John St

Tax Assessor's Chart, Block & Lot Number Chart# <u>066</u> Block# <u>F</u> Lot# <u>006</u>	Owner: <u>William Meserve</u>	Telephone#: <u>775-2671</u>
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Owner's Address: <u>Same</u>	Lessee/Buyer's Name (if Applicable)	Cost Of Work: <u>\$4,000</u>	Fee: <u>\$48.00</u>
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Proposed Project Description:(Please be as specific as possible)
Repair 8'x10' sunporch on Rear of home (replacing windows)

Contractor's Name, Address & Telephone:
XX American Profiles 20 Blaine St Manchester NH 03102

Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III.
- HVAC (Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCA Mechanical Code.

You must Include the following with you application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
- 2) A Copy of your Construction Contract, if available
- 3) A Plot Plan (Sample Attached)

If there is expansion to the structure, a complete plot plan (Site Plan) must include:

- The shape and dimension of the lot, all existing buildings (if any), the proposed structure and the distance from the actual property lines. Structures include decks porches, a bow windows cantilever sections and roof overhangs as well as, sheds, pools, garages and any other accessory structures.
- Scale and required zoning district setbacks

4) Building Plans (Sample Attached)

A complete set of construction drawings showing all of the following elements of construction:

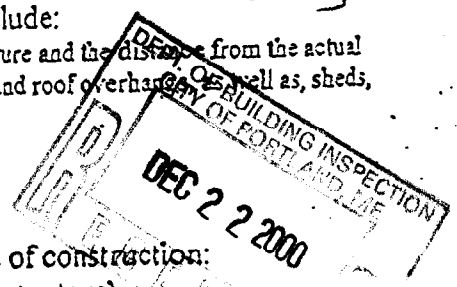
- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and dampproofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

Certification

I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: [Signature] Date: 1-30-08

Building Permit Fee: \$30.00 for the 1st \$1000.cost plus \$6.00 per \$1,000.00 construction cost thereafter.



BUILDING PERMIT REPORT

DATE: 26 DEC. 2009 ADDRESS: 400 ST. JOHN ST. CBL: 066-F-006

REASON FOR PERMIT: Rebuild sun porch

BUILDING OWNER: William Meserve

PERMIT APPLICANT: _____ / CONTRACTOR American Pro Site

USE GROUP: 9-3 CONSTRUCTION TYPE: 5 B CONSTRUCTION COST: 24,000.00 PERMIT FEES: 48.00

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

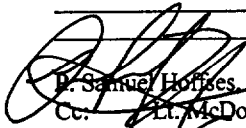
CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: *1, *22, *29, 31
*32, *34, *35

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) **"ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."**
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts. Section 2305.17
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete and masonry. Concrete Sections 1908.9-19.8.10/ Masonry Sections 2111.3-2111.4.
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1999)
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42". In occupancies in Use Group A, B.H-4, I-1, I-2, M, R, public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. Handrails shall be a minimum of 34" but not more than 38". Exception: Handrails that form part of a guard shall have a height not less than 36 inches (914 mm) and not more than 42 inches (1067 mm). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7)
12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
15. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
16. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units. (Section 1010.1)
17. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
18. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

12/26

19. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
 - In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements
20. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)
21. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
22. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
23. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
24. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
25. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
26. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
27. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. **No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.**
28. All requirements must be met before a final Certificate of Occupancy is issued.
29. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).
30. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
31. Please read and implement the attached Land Use Zoning report requirements.
32. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code. *This is to remain a single family dwelling.*
33. Bridging shall comply with Section 2305.16.
34. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
35. All flashing shall comply with Section 1406.3.10.
36. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).


 D. Samuel Horvies, Building Inspector
 Cc. Lt. McDougall, PFD
 Marge Schmuckal, Zoning Administrator
 Michael Nugent, Inspection Service Manager

PSH 10/1/00

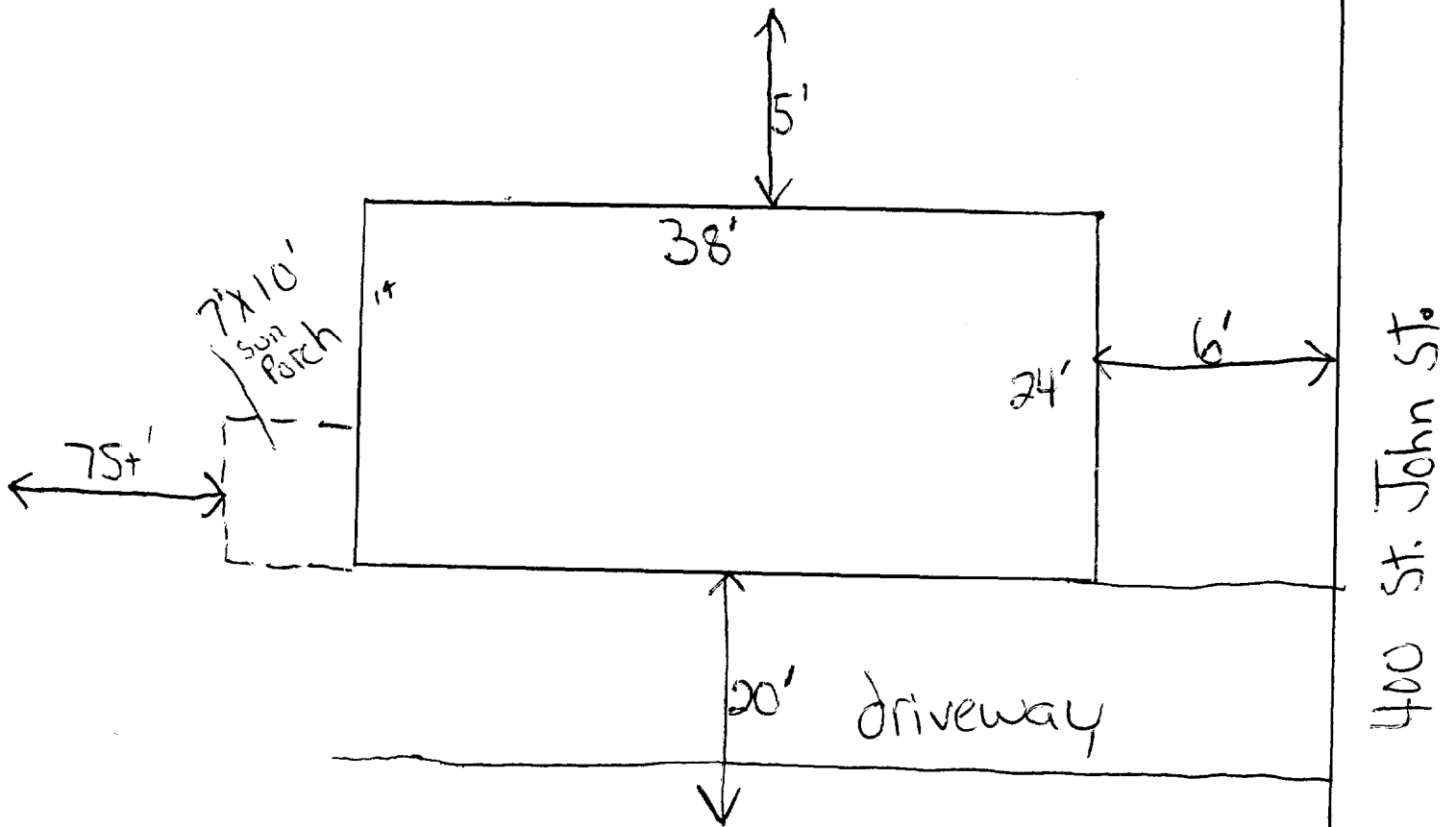
****This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.**

*****THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD. (You Shall Call for Inspections)**

******ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.**

*******CERTIFICATE OF OCCUPANCY FEE \$50.00**

RePlacing windows on SunPorch



R-6 Zone

Rear: 20' req. - 75' shown

Front: N/A

Sides: 10' req. - 20' & 19' shown

Temo inc.

SPECIFICATIONS FOR PATIO ENCLOSURES AND COVERS WITH 3 INCH WALL MULLIONS

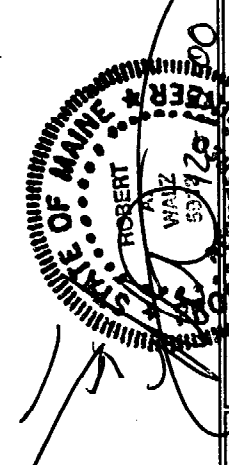
PAGE NUMBER

COVER SHEET

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4
5
6

INDEX OF SHEETS

FLOOR PLANS, ELEVATIONS and ROOF PLANS
3" PATIO COVER SYSTEM, PARTS, DETAILS and NOTES
3" PATIO COVER PLAN, SECTIONS and DETAILS
3" PATIO ENCLOSURE DECK and SLAB ATTACHMENT DETAILS
3" PATIO COVER SYSTEM TABLES
3" PATIO COVER TEMPERED GLASS WINDOW DETAILS

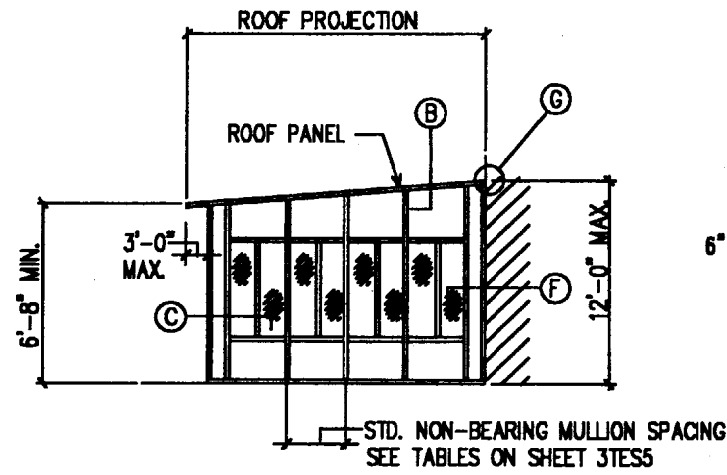


1980 EVALUATION REPORT PRO-5176
1980 EVALUATION REPORT ER-5282-P
1980 EVALUATION REPORT ER-5284-P
MER-342
UL 581

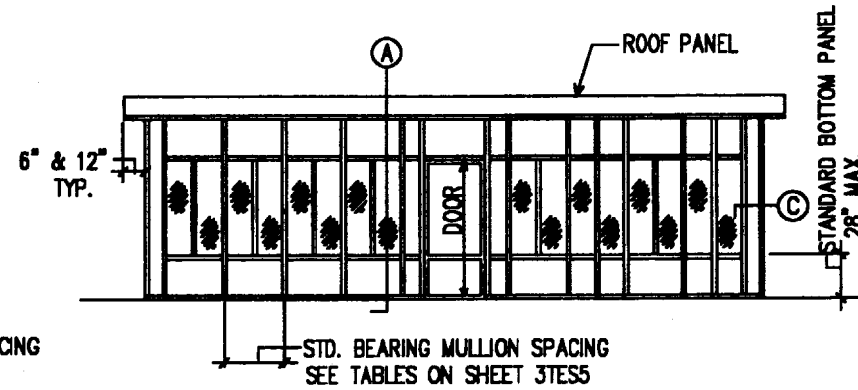
Temo inc
20400 HALL ROAD • CLINTON TOWNSHIP • MICHIGAN 48038 •
810-288-0410 1-800-344-8386 FAX 810-288-5408

COVER SHEET

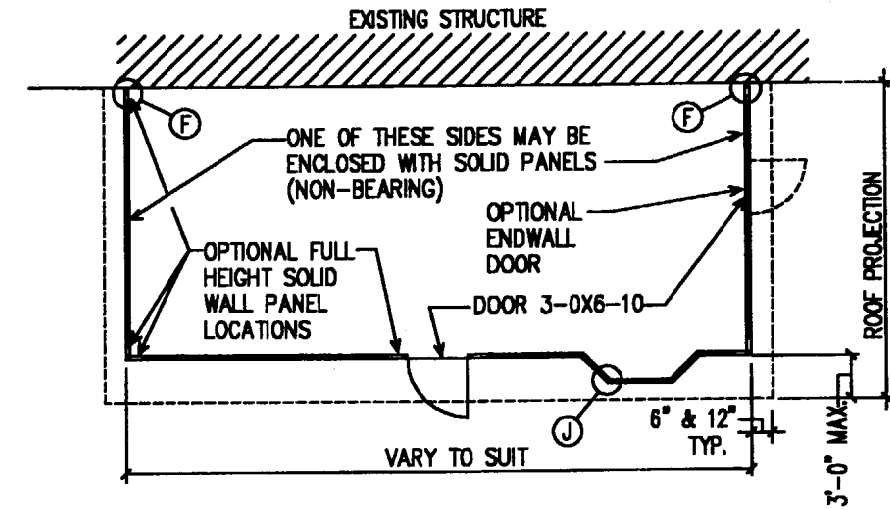
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ROBERT A. WALZ, PE
DWG. NO.:
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COVER SHEET



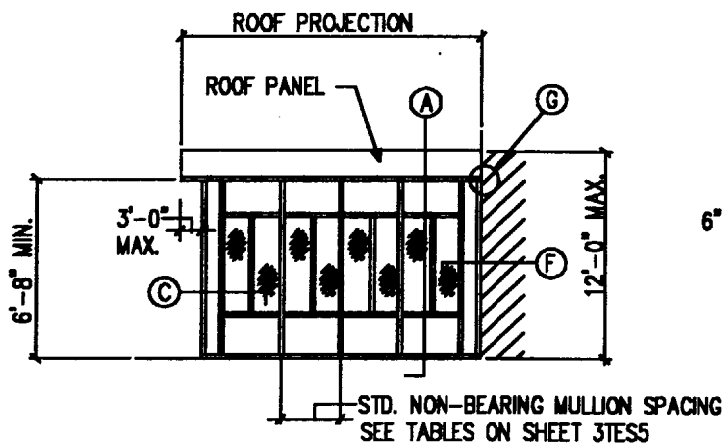
PATIO COVER END WALL ELEVATION



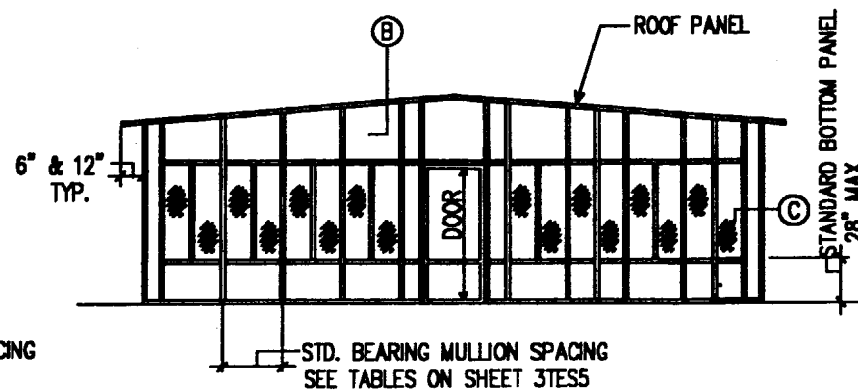
PATIO COVER FRONT WALL ELEVATION



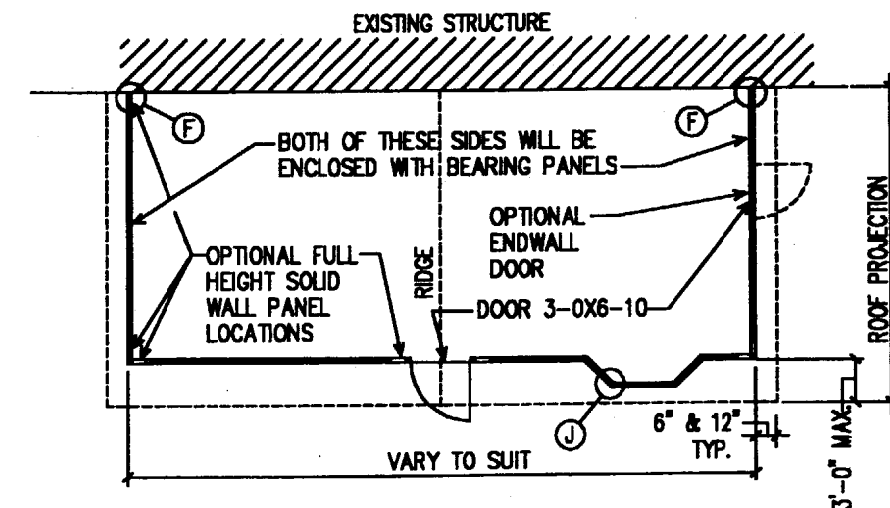
TYPICAL STUDIO ROOF PATIO COVER PLAN



PATIO COVER END WALL ELEVATION



PATIO COVER FRONT WALL ELEVATION



TYPICAL GABLE ROOF PATIO COVER PLAN

EXCLUSIVELY FOR
AMERICAN PROFILES CO.
20 BLAINE STREET
MANCHESTER, NH

1030 EVALUATION REPORT PFC-5178
1030 EVALUATION REPORT EX-5203-P
1030 EVALUATION REPORT EX-5204-P
REV-342
U. I. DEEL

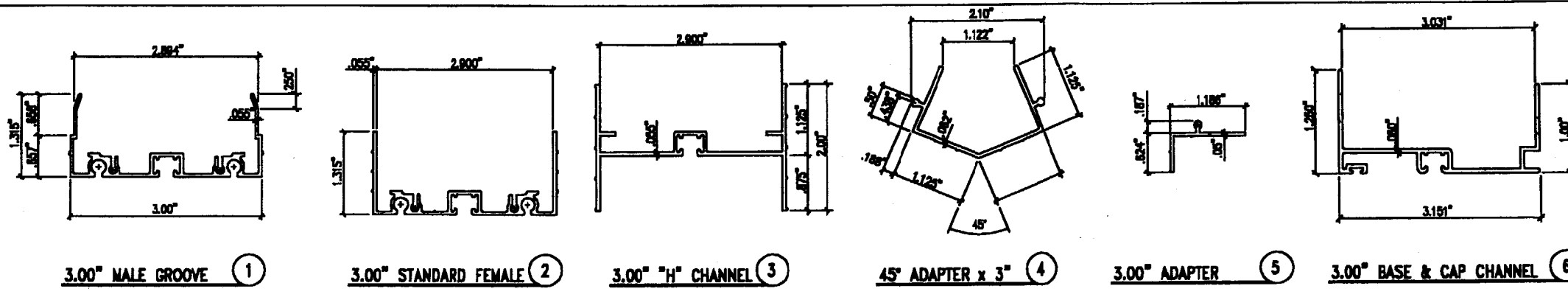
WHERE REQUIRED THESE PLANS HAVE BEEN
SIGNED AND SEALED BY A PROFESSIONAL
ENGINEER. ONLY AN ORIGINAL SIGNATURE
WITH A RED WET SEAL OR AN EMBOSSED
SEAL INDICATE THE VALIDITY OF THAT
SIGNATURE.

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810-288-0410 1-800-344-8386 FAX 810-288-6408

FLOOR PLAN
ELEVATIONS &
ROOF PLAN

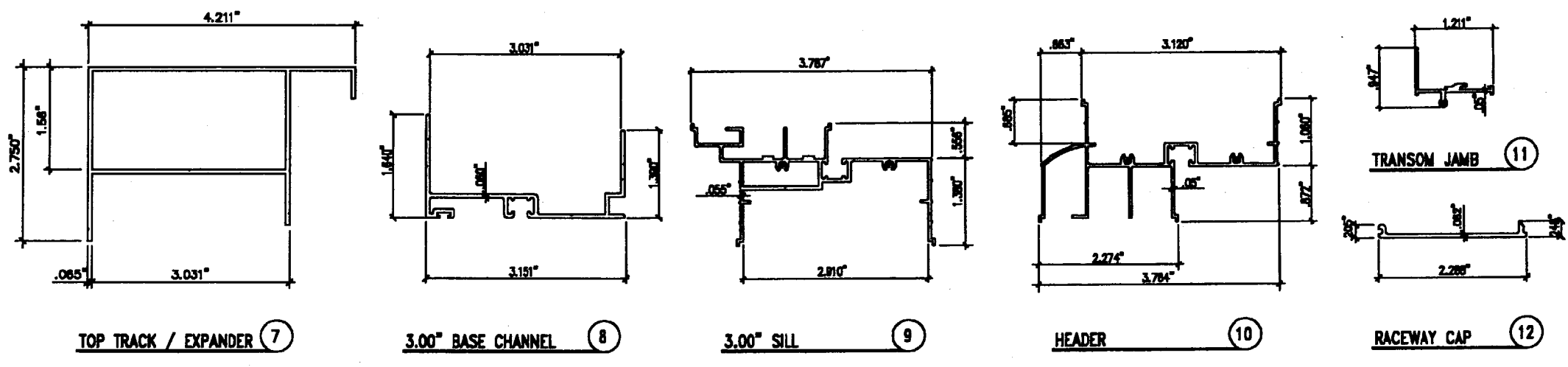
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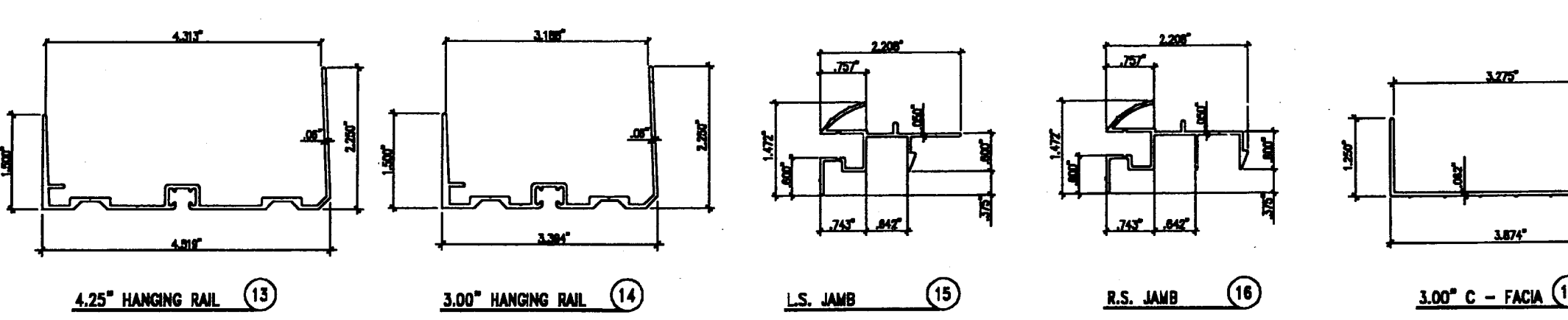


GENERAL NOTES & SPECIFICATIONS

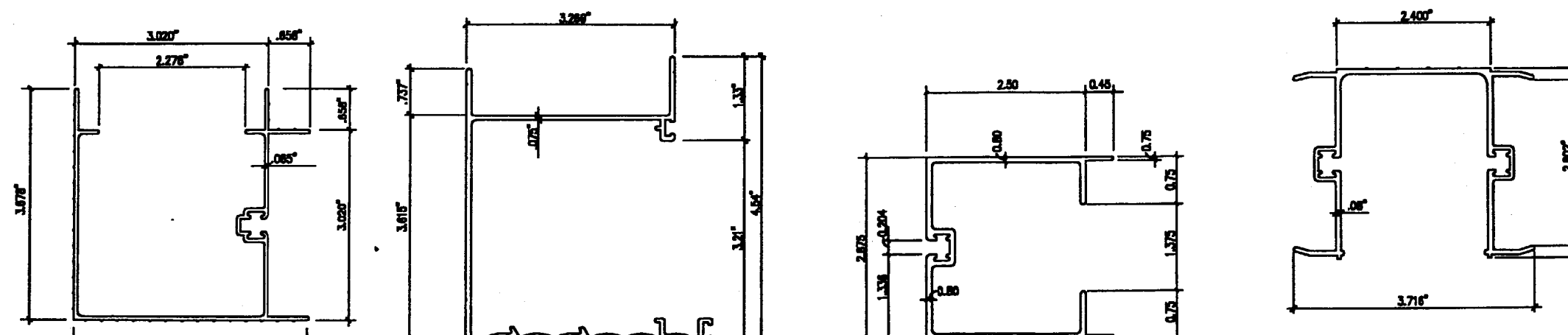
- THIS PATIO COVER & ENCLOSURE SYSTEM IS LIMITED TO RECREATION AND OUTDOOR LIVING PURPOSES AND IS NOT TO BE USED AS A CARPORT, GARAGE OR HABITAT ROOM.
- THIS PATIO COVER SYSTEM IS TO BE INSTALLED UNDER THE ROOF PANEL SHOWN ON DRAWING NO. 3125A.
- DESIGN LOADS: SEE TABLES FOR DESIGN LOADS AS SPECIFIED PER 1995 CARO - ONE & TWO FAMILY DWELLING CODE REQUIREMENTS AND THE 1997 EDITIONS OF THE STANDARD (SBC), UNIFORM (ICBO) AND NATIONAL (BOCA) BUILDING CODES.
- SCREW FASTENERS SHALL BE THE SIZES SHOWN AND SHALL BE STAINLESS STEEL, ZINC PLATED, GALVANIZED STEEL OR 2024-T4 ALUMINUM.
- ALL STRUCTURAL COMPONENTS OF THIS PATIO COVER SYSTEM EXCEPT SOLID PANELS ARE OF ALLOY & TEMPER 6063-T5 UNLESS SPECIFICALLY NOTED OTHERWISE.
- THE SOLID WALL PANELS SHOWN SHALL COMPLY WITH A CURRENTLY RECOGNIZED I.C.B.O. EVALUATION SERVICE INC. REPORT. ALL EXTERIOR PORTIONS OF THE SOLID WALL PANEL WHICH ARE SUBJECT TO WATER INTRUSION SHALL BE FULLY CALLED.
- WHERE ENCLOSURE IS REQUIRED TO BE LEFT OPEN PER CODE, THE OPEN AREA OF THE LONGER WALL AND ONE ADDITIONAL WALL SHALL BE A MINIMUM OF 80 PERCENT OF THE AREA BELOW A MINIMUM OF 8 FEET 8 INCHES OF EACH WALL MEASURED FROM THE FLOOR. OPEN IS DEFINED AS INSECT SCREENING AND/OR READILY REMOVABLE TRANSPARENT OR TRANSLUCENT PLASTIC NOT MORE THAN 1/8 OF AN INCH IN THICKNESS. SEE NOTE #8 BELOW FOR OPTIMAL GLAZING.
- PORTIONS OF THE WALL NOT REQUIRED TO BE PLASTIC MAY BE TEMPERED GLASS WITH A THICKNESS NOT TO EXCEED 1/8 INCH THAT COMPLIES WITH THE CODE. WHEN APPROVED BY THE BUILDING OFFICIAL, GLASS COMPLYING WITH THE CODE MAY BE SUBSTITUTED FOR THE PLASTIC INDICATED IN NOTE #7 AS PERMITTED BY THE CODE FOR EQUIVALENT MATERIALS OF CONSTRUCTION.
- WHERE THE ROOF PANEL SPAN IS PARALLEL TO THE EXISTING WALL OF THE RESIDENCE THE ADEQUACY OF THE EXISTING WALL SUPPORT STRUCTURE (STUDS, HEADERS, BEAMS ETC.) SHALL BE VERIFIED BY AN INDEPENDENT SOURCE FOR THE ATTACHMENT OF THE RIDGE BEAM. THE ADEQUACY OF THE EXISTING FRAMING IS NOT A PART OF THIS AMP DESIGN OR APPROVAL.
- THE BEARING SYSTEM MULLIONS HAVE BEEN DESIGNED FOR LOAD COMBINATIONS REQUIRED BY THE 1995 CARO ONE AND TWO FAMILY DWELLING CODE AND THE 1997 STANDARD BUILDING CODE.
- ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED PER CODE.
- CONCRETE EXPANSION ANCHORS SHALL BE "TRU FAST ZAMAC NAILIN", "MILTI KWIK-BOLT" #8 ANCHORS OR EQUIVALENT. THE 1/4" ANCHORS SHALL HAVE A MINIMUM TENSION VALUE IN CONCRETE OF 585 POUNDS. WOOD LAGS SHALL BE 1/4" BY 3" GALVANIZED LAG BOLTS.
- ALL EXISTING WOOD IS TO HAVE A MINIMUM SPECIFIC GRAVITY OF 0.48.
- SEE TABLES (A) AND (B) ON SHEET 3125 FOR DESIGN WIND LOADS.



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- ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED PER CODE.
- CONCRETE EXPANSION ANCHORS SHALL BE "TRU FAST ZAMAC NAILIN", "MILTI KWIK-BOLT" #8 ANCHORS OR EQUIVALENT. THE 1/4" ANCHORS SHALL HAVE A MINIMUM TENSION VALUE IN CONCRETE OF 585 POUNDS. WOOD LAGS SHALL BE 1/4" BY 3" GALVANIZED LAG BOLTS.
- ALL EXISTING WOOD IS TO HAVE A MINIMUM SPECIFIC GRAVITY OF 0.48.
- SEE TABLES (A) AND (B) ON SHEET 3125 FOR DESIGN WIND LOADS.



- WHERE ENCLOSURE IS REQUIRED TO BE LEFT OPEN PER CODE, THE OPEN AREA OF THE LONGER WALL AND ONE ADDITIONAL WALL SHALL BE A MINIMUM OF 80 PERCENT OF THE AREA BELOW A MINIMUM OF 8 FEET 8 INCHES OF EACH WALL MEASURED FROM THE FLOOR. OPEN IS DEFINED AS INSECT SCREENING AND/OR READILY REMOVABLE TRANSPARENT OR TRANSLUCENT PLASTIC NOT MORE THAN 1/8 OF AN INCH IN THICKNESS. SEE NOTE #8 BELOW FOR OPTIMAL GLAZING.
- PORTIONS OF THE WALL NOT REQUIRED TO BE PLASTIC MAY BE TEMPERED GLASS WITH A THICKNESS NOT TO EXCEED 1/8 INCH THAT COMPLIES WITH THE CODE. WHEN APPROVED BY THE BUILDING OFFICIAL, GLASS COMPLYING WITH THE CODE MAY BE SUBSTITUTED FOR THE PLASTIC INDICATED IN NOTE #7 AS PERMITTED BY THE CODE FOR EQUIVALENT MATERIALS OF CONSTRUCTION.
- WHERE THE ROOF PANEL SPAN IS PARALLEL TO THE EXISTING WALL OF THE RESIDENCE THE ADEQUACY OF THE EXISTING WALL SUPPORT STRUCTURE (STUDS, HEADERS, BEAMS ETC.) SHALL BE VERIFIED BY AN INDEPENDENT SOURCE FOR THE ATTACHMENT OF THE RIDGE BEAM. THE ADEQUACY OF THE EXISTING FRAMING IS NOT A PART OF THIS AMP DESIGN OR APPROVAL.
- THE BEARING SYSTEM MULLIONS HAVE BEEN DESIGNED FOR LOAD COMBINATIONS REQUIRED BY THE 1995 CARO ONE AND TWO FAMILY DWELLING CODE AND THE 1997 STANDARD BUILDING CODE.
- ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED PER CODE.
- CONCRETE EXPANSION ANCHORS SHALL BE "TRU FAST ZAMAC NAILIN", "MILTI KWIK-BOLT" #8 ANCHORS OR EQUIVALENT. THE 1/4" ANCHORS SHALL HAVE A MINIMUM TENSION VALUE IN CONCRETE OF 585 POUNDS. WOOD LAGS SHALL BE 1/4" BY 3" GALVANIZED LAG BOLTS.
- ALL EXISTING WOOD IS TO HAVE A MINIMUM SPECIFIC GRAVITY OF 0.48.
- SEE TABLES (A) AND (B) ON SHEET 3125 FOR DESIGN WIND LOADS.

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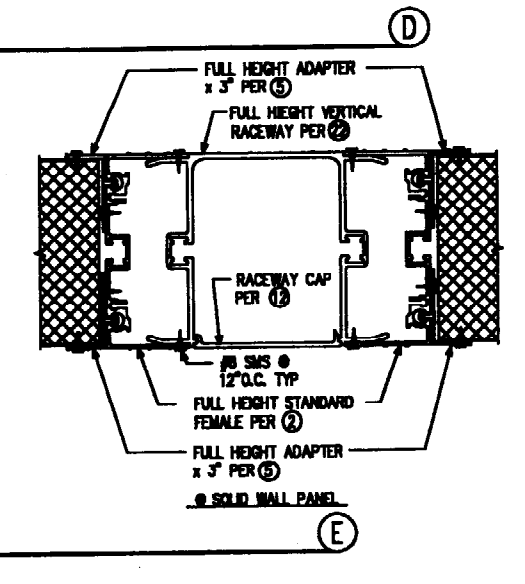
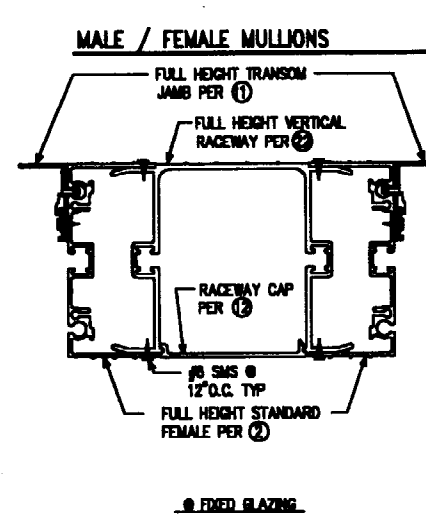
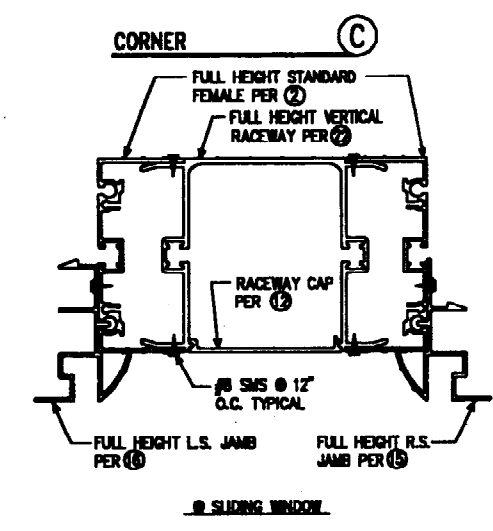
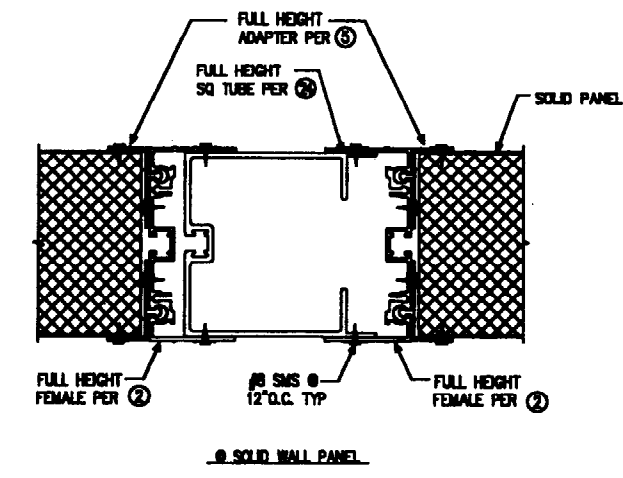
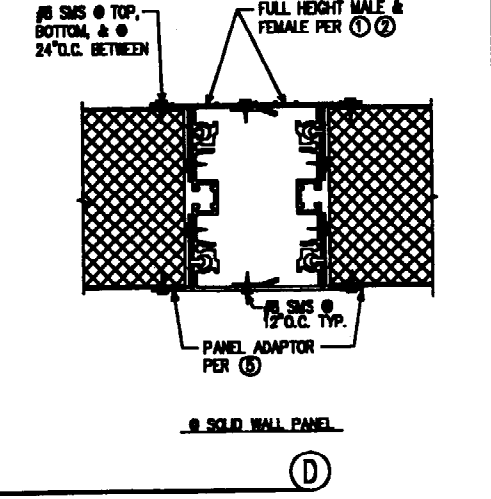
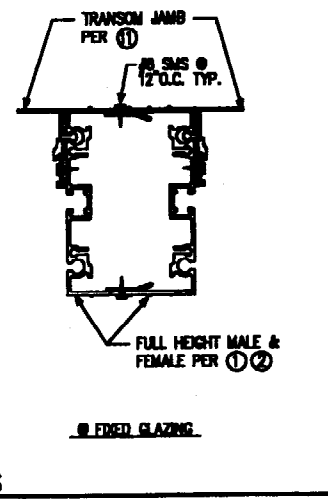
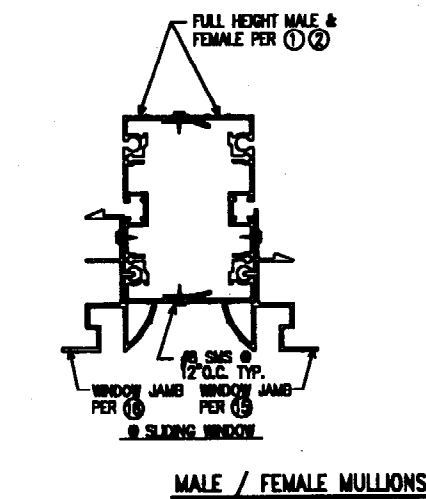
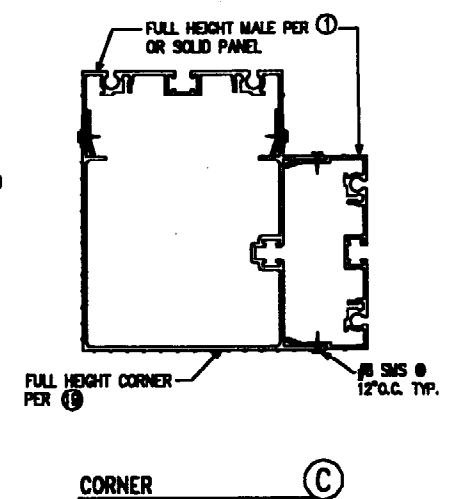
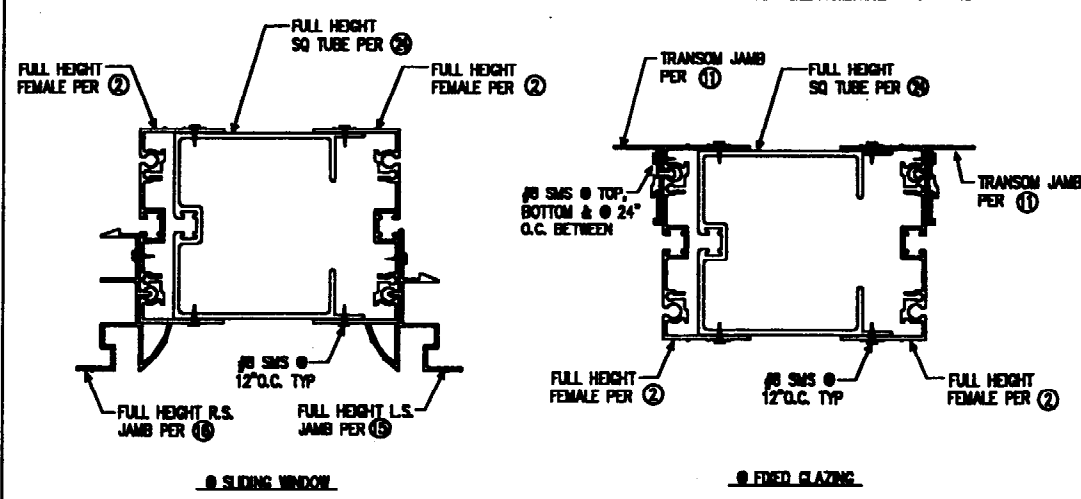
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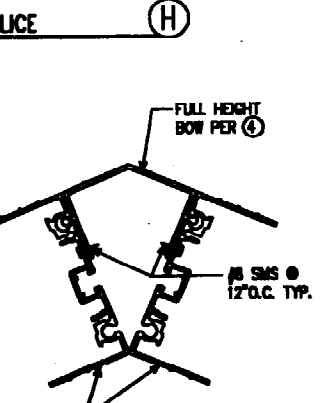
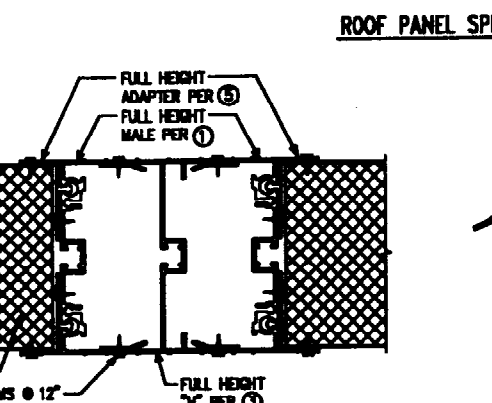
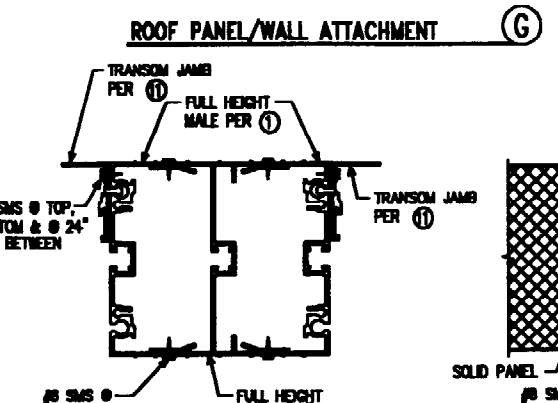
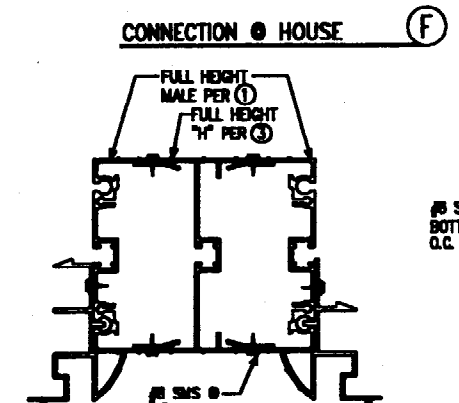
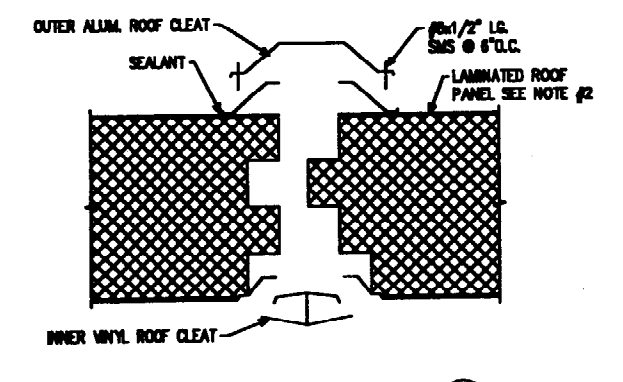
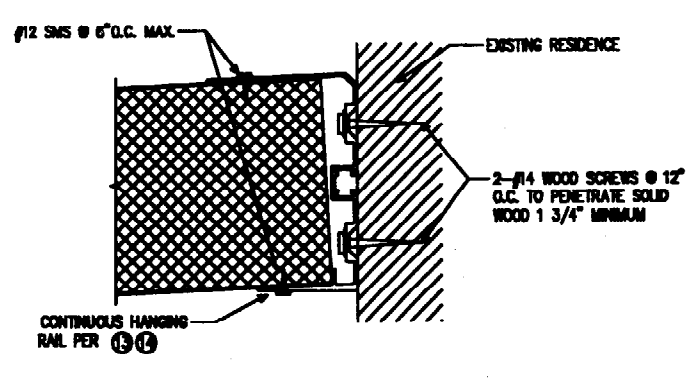
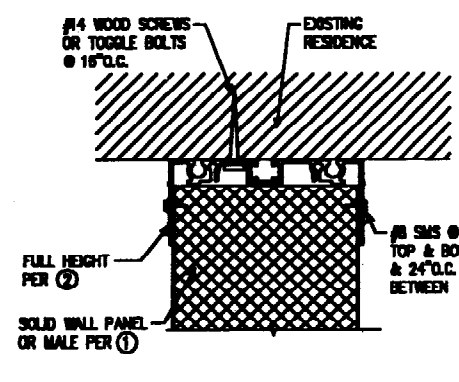
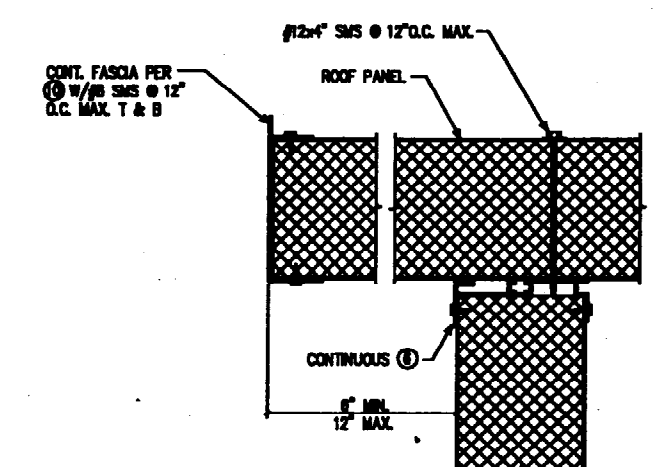
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DATE: JANUARY 27, 1998
JOB NO.:



FEMALE/SQ. TUBE/MALE MULLIONS (K)



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 MANCHESTER, NH

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 NER-342
 U.L. 585.

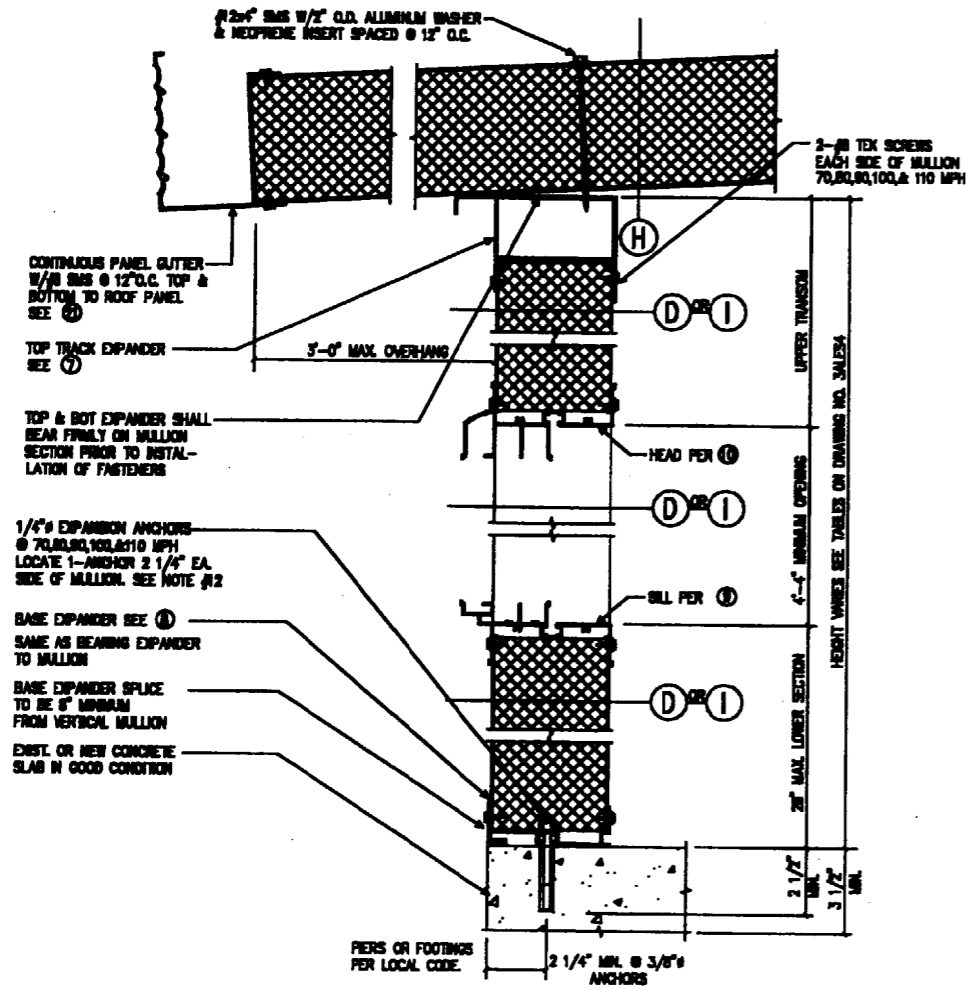
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3.00" PATIO
 ENCLOSURE PLANS,
 SECTIONS & DETAILS

DATE:
 JANUARY 27, 1988



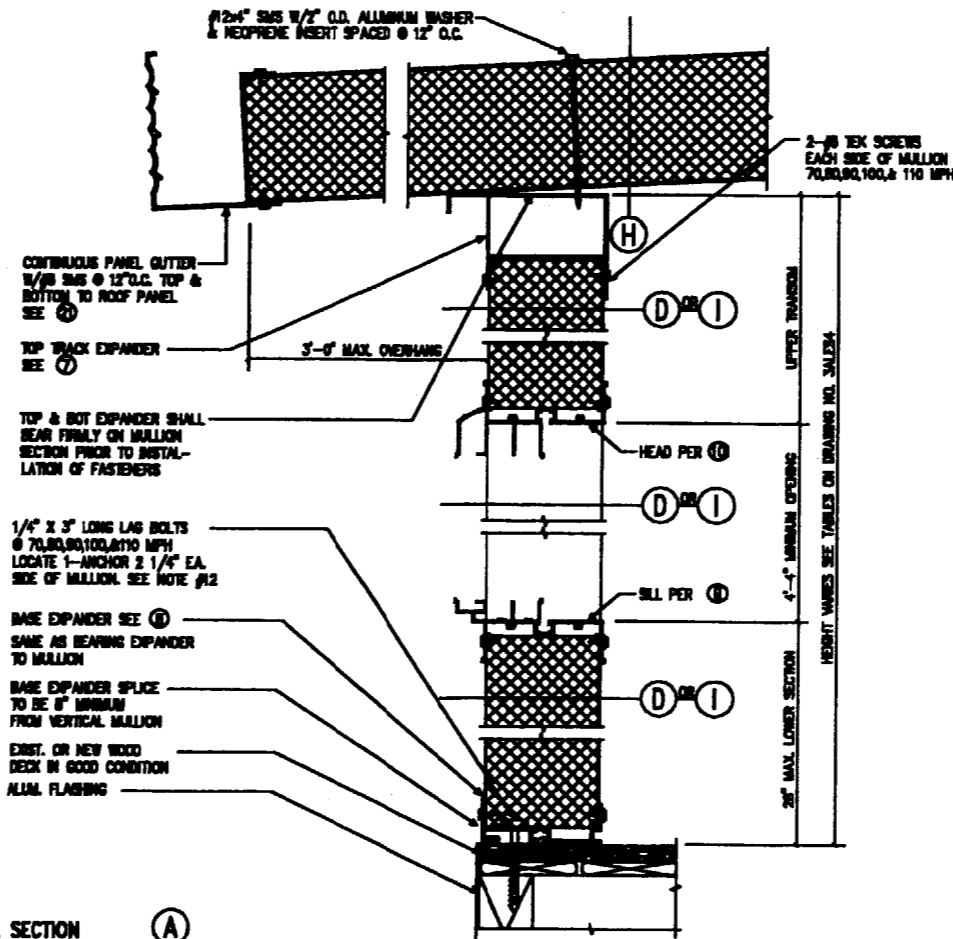
BEARING WALL SECTION (A)
ON CONCRETE SLAB

1/4" EXPANSION ANCHORS @ 70,80,90,100, & 110 MPH LOCATE 1-ANCHOR 2 1/4" EA. SIDE OF MULLION. SEE NOTE #12

BASE EXPANDER SEE (D) SAME AS BEARING EXPANDER TO MULLION

BASE EXPANDER SPLICE TO BE 6" MINIMUM FROM VERTICAL MULLION

EXIST. OR NEW CONCRETE SLAB IN GOOD CONDITION



BEARING WALL SECTION (A)
ON WOOD DECK

1/4" X 3" LONG LAG BOLTS @ 70,80,90,100, & 110 MPH LOCATE 1-ANCHOR 2 1/4" EA. SIDE OF MULLION. SEE NOTE #12

BASE EXPANDER SEE (D) SAME AS BEARING EXPANDER TO MULLION

BASE EXPANDER SPLICE TO BE 6" MINIMUM FROM VERTICAL MULLION

EXIST. OR NEW WOOD DECK IN GOOD CONDITION

ALUM. FLASHING

PIERS WITH THE DOWNING MAY BE REQUIRED BY LOCAL CODE.

BEARING WALL SECTION ON (A)
TENO MER APPROVED DECK PANELS

1/4" X 3" LONG LAG BOLTS @ 70,80,90,100, & 110 MPH LOCATE 1-ANCHOR 2 1/4" EA. SIDE OF MULLION. SEE NOTE #12

BASE EXPANDER SEE (D) SAME AS BEARING EXPANDER TO MULLION

BASE EXPANDER SPLICE TO BE 6" MINIMUM FROM VERTICAL MULLION

INSULATED STRUCTURAL DECK PANELS

ALUM. FLASHING

PIERS WITH THE DOWNING MAY BE REQUIRED BY LOCAL CODE.

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K200 EVALUATION REPORT ER-8082-P
K200 EVALUATION REPORT ER-8084-P
MEP-342
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**3" PATIO ENCLOSURE
DECK AND SLAB
ATTACHMENT DETAILS**

DATE: JANUARY 27, 1988
JOB NO.: TENO 2-2
DRAWN BY: ROBERT A. WALZ, PE
DWG. NO.:

3TES4
4 OF 8

TABLE "A": BEARING WALL MULLIONS-SECTION (A)

MAXIMUM MULLION SPACING	MULLION TYPE				MAXIMUM MULLION SPACING	MULLION TYPE			
	DET. (A)	DET. (B)	DET. (C)	DET. (D)		DET. (A)	DET. (B)	DET. (C)	DET. (D)
	MAXIMUM MULLION HEIGHT					MAXIMUM MULLION HEIGHT			
20 PSF LIVE LOAD, 70 MPH WIND					25 PSF SNOW LOAD, 90 MPH WIND				
30 1/2" C/C	11'-9"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	10'-7"	11'-9"	11'-9"	11'-9"
48" C/C	11'-3"	11'-9"	11'-9"	11'-9"	48" C/C	8'-9"	11'-4"	11'-9"	11'-9"
56 1/2" C/C	10'-3"	11'-9"	11'-9"	11'-9"	56 1/2" C/C	8'-0"	10'-6"	10'-10"	11'-9"
20 PSF LIVE LOAD, 80 MPH WIND					25 PSF SNOW LOAD, 100 MPH WIND				
30 1/2" C/C	11'-9"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	9'-7"	11'-9"	11'-9"	11'-9"
48" C/C	10'-0"	11'-9"	11'-9"	11'-9"	48" C/C	8'-0"	10'-3"	10'-9"	11'-9"
56 1/2" C/C	9'-0"	11'-9"	11'-9"	11'-9"	56 1/2" C/C	7'-3"	9'-6"	9'-9"	11'-9"
20 PSF LIVE LOAD, 90 MPH WIND					25 PSF SNOW LOAD, 110 MPH WIND				
30 1/2" C/C	11'-3"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	8'-10"	11'-6"	11'-9"	11'-9"
48" C/C	9'-3"	11'-9"	11'-9"	11'-9"	48" C/C	7'-3"	9'-6"	9'-9"	11'-9"
56 1/2" C/C	8'-6"	11'-0"	11'-3"	11'-9"	56 1/2" C/C	6'-9"	8'-9"	9'-0"	11'-0"
20 PSF LIVE LOAD, 100 MPH WIND					30 PSF SNOW LOAD, 70 MPH WIND				
30 1/2" C/C	10'-0"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	11'-9"	11'-9"	11'-9"	11'-9"
48" C/C	8'-3"	10'-9"	11'-3"	11'-9"	48" C/C	10'-6"	11'-9"	11'-9"	11'-9"
56 1/2" C/C	7'-6"	9'-9"	10'-3"	11'-9"	56 1/2" C/C	9'-9"	11'-9"	11'-9"	11'-9"
20 PSF LIVE LOAD, 110 MPH WIND					30 PSF SNOW LOAD, 80 MPH WIND				
30 1/2" C/C	9'-3"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	11'-3"	11'-9"	11'-9"	11'-9"
48" C/C	7'-6"	9'-9"	10'-3"	11'-9"	48" C/C	9'-3"	11'-9"	11'-9"	11'-9"
56 1/2" C/C	6'-9"	9'-0"	9'-3"	11'-3"	56 1/2" C/C	8'-9"	11'-3"	11'-9"	11'-9"
20 PSF SNOW LOAD, 70 MPH WIND					30 PSF SNOW LOAD, 90 MPH WIND				
30 1/2" C/C	11'-9"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	10'-6"	11'-9"	11'-9"	11'-9"
48" C/C	10'-6"	11'-9"	11'-9"	11'-9"	48" C/C	8'-9"	11'-3"	11'-9"	11'-9"
56 1/2" C/C	9'-9"	11'-9"	11'-9"	11'-9"	56 1/2" C/C	8'-0"	10'-6"	10'-9"	11'-9"
20 PSF SNOW LOAD, 80 MPH WIND					30 PSF SNOW LOAD, 100 MPH WIND				
30 1/2" C/C	11'-6"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	9'-6"	11'-9"	11'-9"	11'-9"
48" C/C	9'-6"	11'-9"	11'-9"	11'-9"	48" C/C	8'-0"	10'-3"	10'-9"	11'-9"
56 1/2" C/C	8'-9"	11'-3"	11'-9"	11'-9"	56 1/2" C/C	7'-3"	9'-6"	9'-9"	11'-9"
20 PSF SNOW LOAD, 90 MPH WIND					30 PSF SNOW LOAD, 110 MPH WIND				
30 1/2" C/C	10'-9"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	8'-9"	11'-6"	11'-9"	11'-9"
48" C/C	8'-9"	11'-6"	11'-9"	11'-9"	48" C/C	7'-3"	9'-6"	9'-9"	11'-9"
56 1/2" C/C	8'-0"	10'-6"	11'-0"	11'-9"	56 1/2" C/C	8'-9"	8'-9"	9'-0"	11'-0"
20 PSF SNOW LOAD, 100 MPH WIND					40 PSF SNOW LOAD, 70 MPH WIND				
30 1/2" C/C	9'-9"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	11'-9"	11'-9"	11'-9"	11'-9"
48" C/C	8'-0"	10'-3"	10'-9"	11'-9"	48" C/C	10'-6"	11'-9"	11'-9"	11'-9"
56 1/2" C/C	7'-3"	9'-6"	9'-9"	11'-9"	56 1/2" C/C	9'-9"	11'-9"	11'-9"	11'-9"
20 PSF SNOW LOAD, 110 MPH WIND					40 PSF SNOW LOAD, 80 MPH WIND				
30 1/2" C/C	9'-0"	11'-6"	11'-9"	11'-9"	30 1/2" C/C	11'-9"	11'-9"	11'-9"	11'-9"
48" C/C	7'-3"	9'-6"	9'-9"	11'-9"	48" C/C	9'-3"	11'-9"	11'-9"	11'-9"
56 1/2" C/C	6'-9"	8'-9"	9'-0"	11'-0"	56 1/2" C/C	8'-9"	11'-3"	11'-9"	11'-9"
25 PSF SNOW LOAD, 70 MPH WIND					40 PSF SNOW LOAD, 90 MPH WIND				
30 1/2" C/C	11'-9"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	10'-3"	11'-9"	11'-9"	11'-9"
48" C/C	10'-6"	11'-9"	11'-9"	11'-9"	48" C/C	8'-9"	11'-6"	11'-9"	11'-9"
56 1/2" C/C	9'-9"	11'-9"	11'-9"	11'-9"	56 1/2" C/C	8'-0"	10'-6"	11'-0"	11'-3"
25 PSF SNOW LOAD, 80 MPH WIND					40 PSF SNOW LOAD, 100 MPH WIND				
30 1/2" C/C	11'-4"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	9'-6"	11'-9"	11'-9"	11'-9"
48" C/C	9'-4"	11'-9"	11'-9"	11'-9"	48" C/C	8'-0"	10'-3"	10'-9"	11'-0"
56 1/2" C/C	8'-9"	11'-3"	11'-9"	11'-9"	56 1/2" C/C	7'-3"	9'-6"	9'-9"	10'-3"
25 PSF SNOW LOAD, 90 MPH WIND					40 PSF SNOW LOAD, 110 MPH WIND				
30 1/2" C/C	10'-7"	11'-9"	11'-9"	11'-9"	30 1/2" C/C	8'-9"	11'-3"	11'-9"	11'-9"
48" C/C	8'-9"	11'-4"	11'-9"	11'-9"	48" C/C	7'-3"	9'-6"	9'-9"	10'-0"
56 1/2" C/C	8'-0"	10'-6"	10'-10"	11'-9"	56 1/2" C/C	8'-9"	8'-9"	9'-0"	9'-3"

TABLE "B": NON-BEARING WALL MULLION SECTION (B) *

MAXIMUM MULLION SPACING	MULLION TYPE			
	DET. (A)	DET. (B)	DET. (C)	DET. (D)
70 MPH WIND LOAD				
30 1/2" C/C	12'-0"	12'-0"	12'-0"	12'-0"
48" C/C	11'-10"	12'-0"	12'-0"	12'-0"
56 1/2" C/C	10'-8"	12'-0"	12'-0"	12'-0"
80 MPH WIND LOAD				
30 1/2" C/C	12'-0"	12'-0"	12'-0"	12'-0"
48" C/C	10'-4"	12'-0"	12'-0"	12'-0"
56 1/2" C/C	9'-4"	12'-0"	12'-0"	12'-0"
90 MPH WIND LOAD				
30 1/2" C/C	11'-10"	12'-0"	12'-0"	12'-0"
48" C/C	9'-8"	12'-0"	12'-0"	12'-0"
56 1/2" C/C	8'-8"	11'-3"	11'-8"	12'-0"
100 MPH WIND LOAD				
30 1/2" C/C	10'-6"	12'-0"	12'-0"	12'-0"
48" C/C	8'-7"	11'-1"	11'-8"	12'-0"
56 1/2" C/C	7'-9"	10'-0"	10'-4"	12'-0"
110 MPH WIND LOAD				
30 1/2" C/C	9'-7"	12'-0"	12'-0"	12'-0"
48" C/C	7'-9"	10'-1"	10'-5"	12'-0"
56 1/2" C/C	7'-0"	9'-1"	9'-5"	11'-3"

* WHERE 6'-0" WIDE DOOR OPENING OCCURS IN A NON-BEARING WALL, USE 80% OF HEIGHTS SHOWN IN TABLE ABOVE.

TABLE "C": TRIBUTARY WIDTH *

MAXIMUM PROJECTION	MAXIMUM OVERHANG					
	0'-6"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"
6'-0"	3'-3"	3'-7"	4'-0"	4'-6"	—	—
7'-0"	3'-9"	4'-1"	4'-5"	4'-11"	—	—
8'-0"	4'-3"	4'-7"	4'-11"	5'-4"	5'-10"	—
9'-0"	4'-9"	5'-1"	5'-4"	5'-9"	6'-3"	6'-9"
10'-0"	5'-3"	5'-7"	5'-10"	6'-3"	6'-8"	7'-2"
11'-0"	5'-9"	6'-1"	6'-4"	6'-9"	7'-2"	7'-7"
12'-0"	6'-3"	6'-7"	6'-10"	7'-2"	7'-7"	8'-0"
13'-0"	6'-9"	7'-1"	7'-4"	7'-8"	8'-1"	8'-5"
14'-0"	7'-3"	7'-7"	7'-10"	8'-2"	8'-6"	8'-11"
15'-0"	7'-9"	8'-1"	8'-4"	8'-8"	9'-0"	9'-4"
16'-0"	8'-3"	8'-6"	8'-10"	9'-2"	9'-6"	9'-10"
17'-0"	—	9'-0"	9'-4"	9'-8"	10'-0"	10'-4"
18'-0"	—	—	—	10'-2"	10'-5"	10'-10"
19'-0"	—	—	—	—	—	11'-3"

* SEE TABLE "D" FOR PANEL SPANS AND OVERHANG LIMITATIONS.

TABLE "D": MAXIMUM ROOF PANEL SPANS*

DESIGN LOAD	PANEL DESIGNATION	
	TI-3-2-32	TI-4.25-2-32
20 PSF LIVE LOAD	15'-6"	24'-0"
20 PSF SNOW LOAD	14'-8"	18'-0"
30 PSF SNOW LOAD	12'-1"	15'-7"
40 PSF SNOW LOAD	10'-7"	13'-8"
70, 80, 90, 100 & 110 MPH WIND	15'-6"	24'-0"

* MAXIMUM PANEL OVERHANG IS 3'-0" MINIMUM ROOF PANEL SLOPE IS 1/4 INCH PER FOOT

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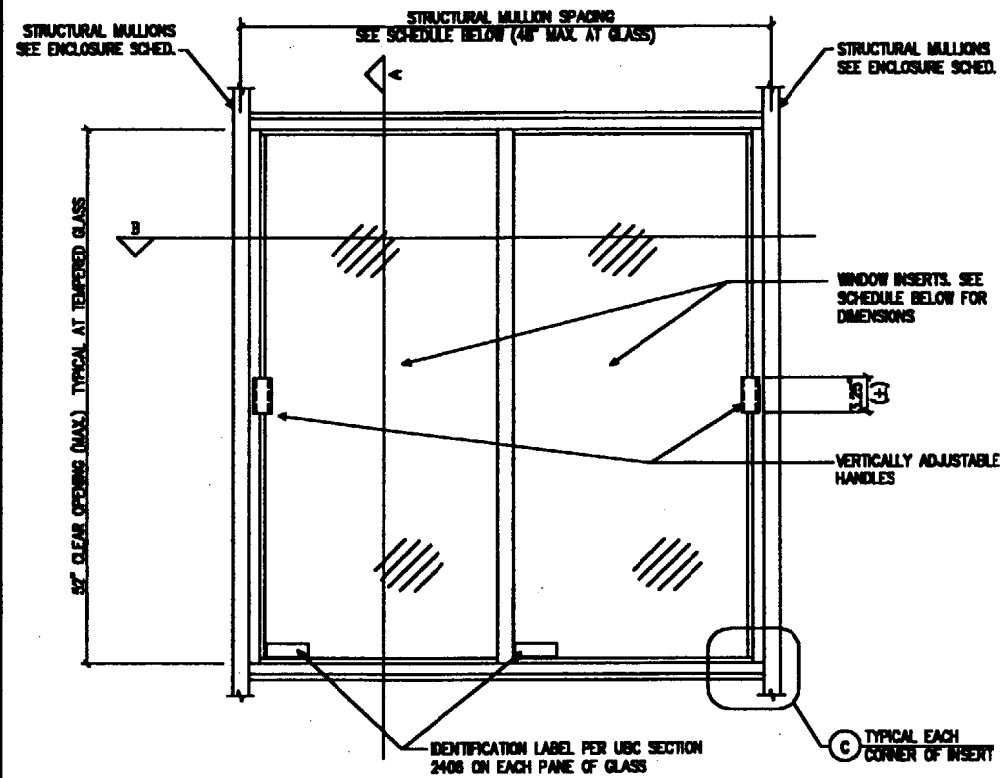
K20 EVALUATION REPORT PFC-5176 K20 EVALUATION REPORT ER 5383-P K20 EVALUATION REPORT ER 5384-P NEW-542 U. S. SEAL

WHERE REQUIRED THESE PLANS HAVE BEEN SIGNED AND SEALED BY A PROFESSIONAL ENGINEER. ONLY AN ORIGINAL SIGNED WITH A RED WET SEAL OR AN EMBOSSED SEAL INDICATE THE VALIDITY OF THAT SIGNATURE.

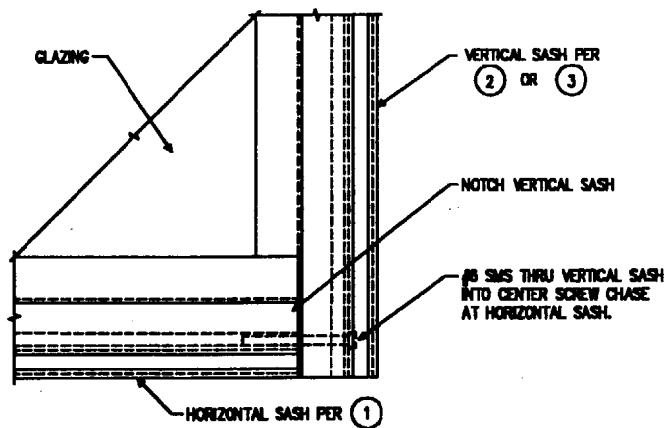
Temo inc
20400 HALL ROAD • CLINTON TOWNSHIP • MICHIGAN 48038
810-288-0410 1-800-344-8386 FAX 810-288-5408

3.00" PATIO COVER SYSTEM TABLES

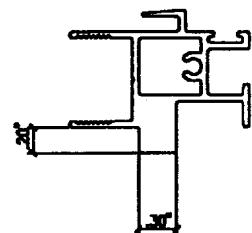
DATE: JANUARY 27, 1988
JOB NO.: Temo 2-2
DRAWN BY: ROBERT A. WALZ, PE
OWNER NO.: 3TES5



ASSEMBLED WINDOW ELEVATION

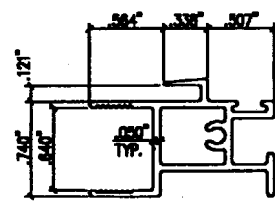


TYPICAL SASH TO SASH CONNECTION ③

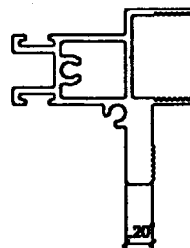


USE FOR TEMPERED GLASS GLAZING AT 80 MPH AND 90 MPH WIND. SEE DETAIL AT RIGHT FOR DIMENSIONS NOT SHOWN.

CENTER SASH ②

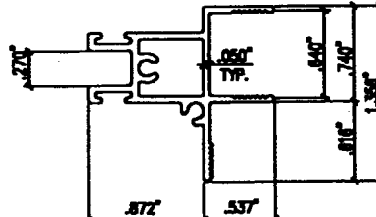


USE FOR ACRYLIC GLAZING AT 70, 80 AND 90 MPH WIND AND TEMPERED GLASS GLAZING AT 70 MPH WIND.



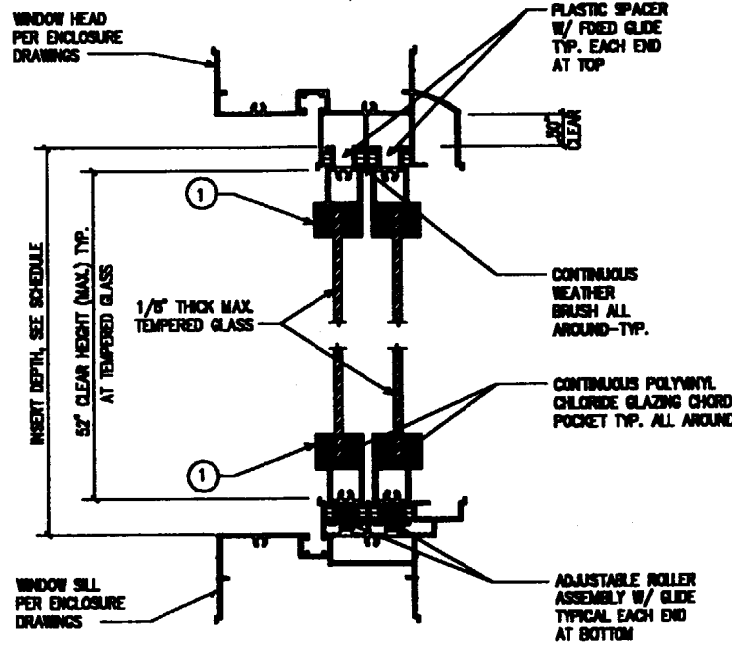
USE FOR TEMPERED GLASS GLAZING AT 80 MPH AND 90 MPH WIND. SEE DETAIL AT RIGHT FOR DIMENSIONS NOT SHOWN.

OUTSIDE SASH ③

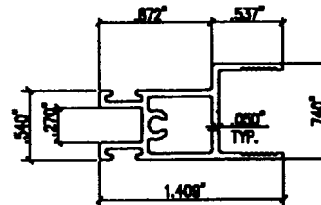


USE FOR ACRYLIC GLAZING AT 70, 80 AND 90 MPH WIND AND TEMPERED GLASS GLAZING AT 70 MPH WIND.

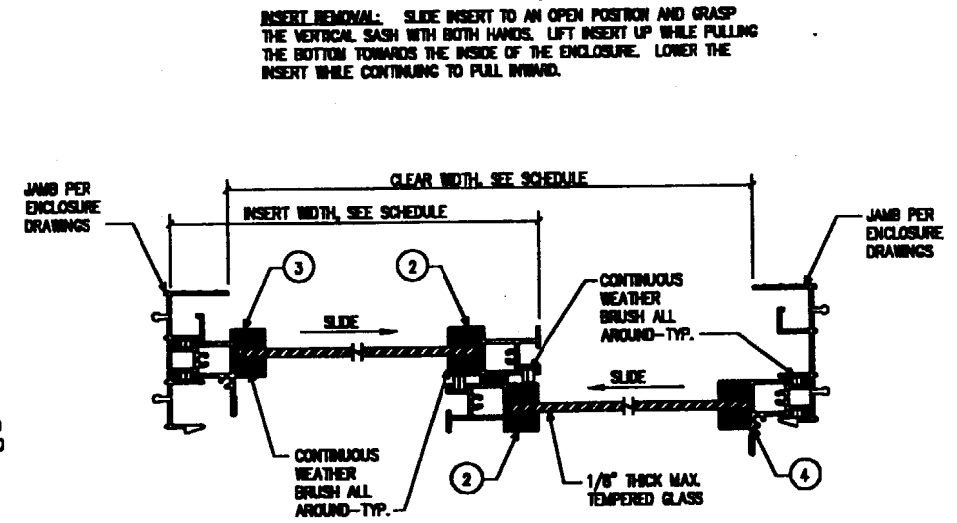
OUTSIDE SASH ④



VERTICAL SECTION ①



HORIZONTAL SASH ①

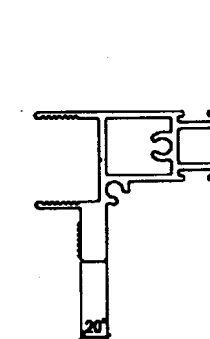


HORIZONTAL SECTION ②

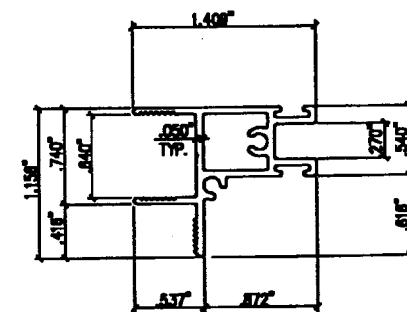
GENERAL REQUIREMENTS AND CONDITIONS

1. TEMPERED GLASS CANNOT EXCEED 0.125 INCH IN THICKNESS.
2. TEMPERED GLASS SUBJECT TO HUMAN IMPACT COMPLES WITH SECTION 2408.
3. TEMPERED GLASS INSTALLED IN AREAS WITH BASIC WIND SPEEDS OF 80 MPH AND GREATER COMPLES WITH AREA LIMITATIONS OF USC SECTION 2403 IN RESISTING WIND FORCES AND IS SUPPORTED IN ACCORDANCE WITH USC SECTION 2404.
4. THE GLASS INSERT ASSEMBLY IS READILY REMOVABLE.

WINDOW SCHEDULE - TEMPERED GLASS					
STRUCTURAL MULLION SPACING	INSERT DIMENSIONS WIDTH x HEIGHT	INSERT GLAZING SIZE WIDTH x HEIGHT	MAX. INSERT WEIGHT (GLASS) @ 1/8" GLASS	CLEAR OPENING DIMENSIONS	
				WIDTH	HEIGHT
44.5" C/C	22.5" x 51"	20.75" x 48.13"	14.3#	41.5"	52"
30" C/C	15.25" x 51"	13.5" x 48.13"	9.5#	27.5"	52"



USE FOR TEMPERED GLASS GLAZING AT 80 MPH AND 90 MPH WIND. SEE DETAIL AT RIGHT FOR DIMENSIONS NOT SHOWN.



USE FOR ACRYLIC GLAZING AT 70, 80 AND 90 MPH WIND AND TEMPERED GLASS GLAZING AT 70 MPH WIND.

EXCLUSIVELY FOR AMERICAN PROFILES CO. 20 BLAINE STREET MANCHESTER, NH

ICBO EVALUATION REPORT PFC-8178
ICBO EVALUATION REPORT ER 5282-P
ICBO EVALUATION REPORT ER 5284-P
NIB-342 U.L. 582

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810-288-0410 1-800-344-8366 FAX 810-288-5408

3.00" PATIO COVER
TEMPERED GLASS
WINDOW DETAILS

DATE: JANUARY 27, 1998
JOB NO.: Temo 2-2
DRAWN BY: ROBERT A. WALZ, PE

DWG. NO.: JTFS6