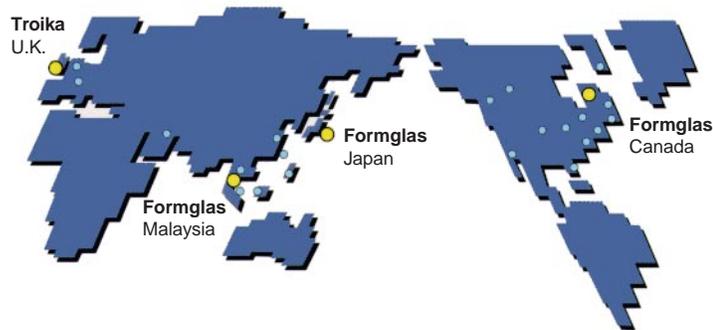


QuarryCast®





QUARRYCAST® - MOLDED STONE

QuarryCast® was developed to allow Architects and Designers to incorporate elements with a natural stone look in their design of interior spaces.

A mixture of natural aggregates, minerals and colored throughout, its distinctive appearance is that of lime/sand stone. Molded in standard or custom shapes and reinforced with glassfibers, the parts are dimensionally stable and are designated for interior applications, but cannot be used as floor tiles.

Tested in many countries, QuarryCast® meets the most stringent fire codes. The material is incombustible, non-toxic, lightweight and its application is fast and simple, normally done by carpenters or millworkers, with standard tools.

The Formglas Companies established first on the North American Continent and now worldwide, take pride that, for over 30 years their products have been considered among the best. That we are the largest custom manufacturer of Glassfiber Reinforced Gypsum (G.R.G.) and "Molded Stone" is no coincidence. A dedicated staff is committed to quality, and management's construction background guarantees customers that all parts are engineered for smooth and safe installation. A worldwide network of agents, including sales offices in Tokyo - Japan and Kuala Lumpur - Malaysia, ensures expert advice to architects, designers and contractors.

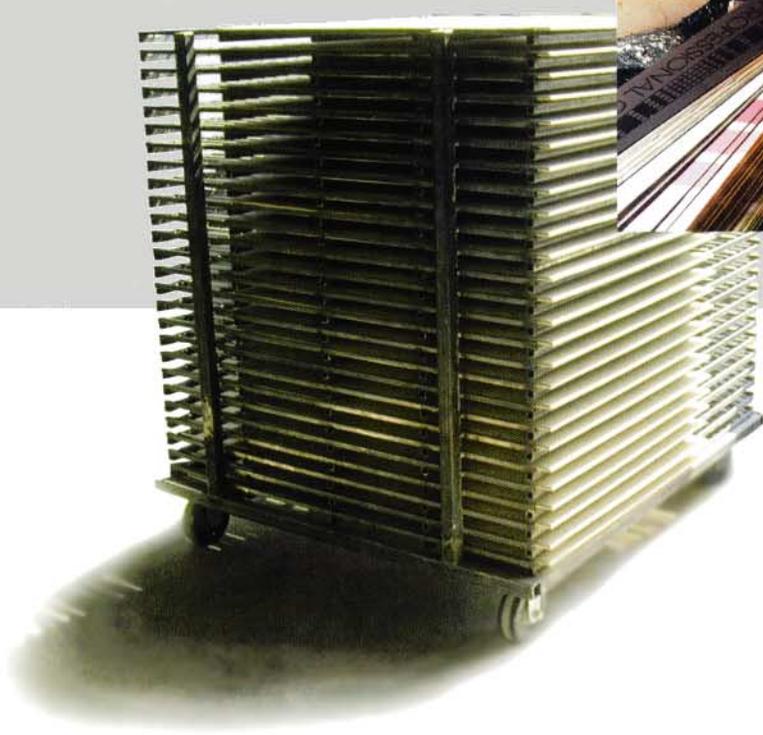
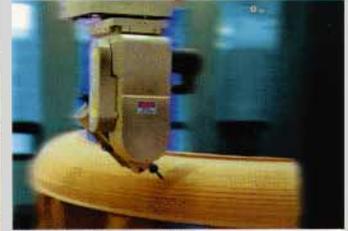
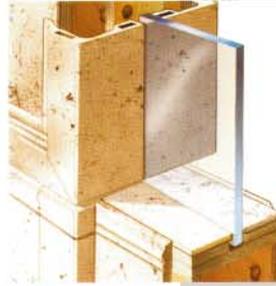
In good times and bad, Formglas' strong financial and market position has afforded it, never to reduce its investment in R&D, to continuously improve its products.

When you specify Formglas products, you will incorporate the best material available.



NEVADA SUPREME COURTHOUSE, CARSON CITY, NEVADA.
Hexagonal columns, veneer panels & signage with recessed lettering.
EISSMANN PENCE ARCHITECTS.

- CAD guarantees comprehensive shop drawings.
- CNC Machinery ensures close tolerances in tooling and parts.
- The simplest to the most complicated shapes are manufactured on a regular basis.
- Continuous R & D facilities custom match colors and textures.
- Formglas ships its products to all corners of the world.

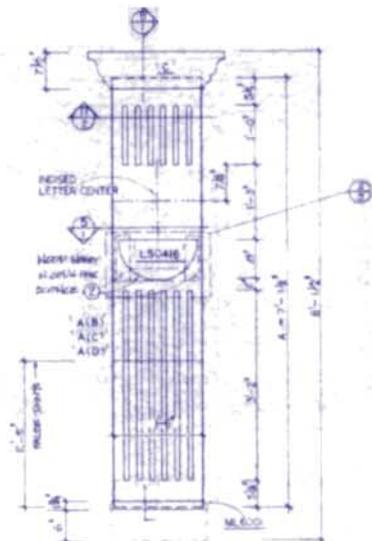




1. **DUTY FREE SHOP, SINGAPORE.**
Walls and display units clad with straight and curved veneer and mouldings.
2. **DUTY FREE SHOP, TAIPEI, TAIWAN.**
Light covers and column covers.
- 3,4. **THE SPINDLES SHOPPING CENTER & DEBENHAM'S, OLDHAM, UK.**
Columns, mouldings and veneer panels.
D.I. DESIGNS & DEVELOPMENT CONSULTANTS (UK) LTD.



**MONETARY AGENCY -
MANAMA, BAHRAIN.**
Atrium refurbishment with straight
and curved veneer & mouldings.



THE PENTAGON - JOINT CHIEFS OF STAFF OFFICES. WASHINGTON DC.
Fluted square columns, recessed lettering, light coves & sconces.



COLLEGE CENTER, PRINCETON, NJ.
Veneer walls, custom fabricated spandrel panels.

G.V.Z. ARCHITECTS, N.Y., NY.



- Dentil Moulding: Outside corners prefabricated; Inside corners field cut & assembled. Built-in plywood for reinforcement & fastening.



- Light cove with prefabricated inside & outside corners; Reflector in Glassfiber Gypsum.

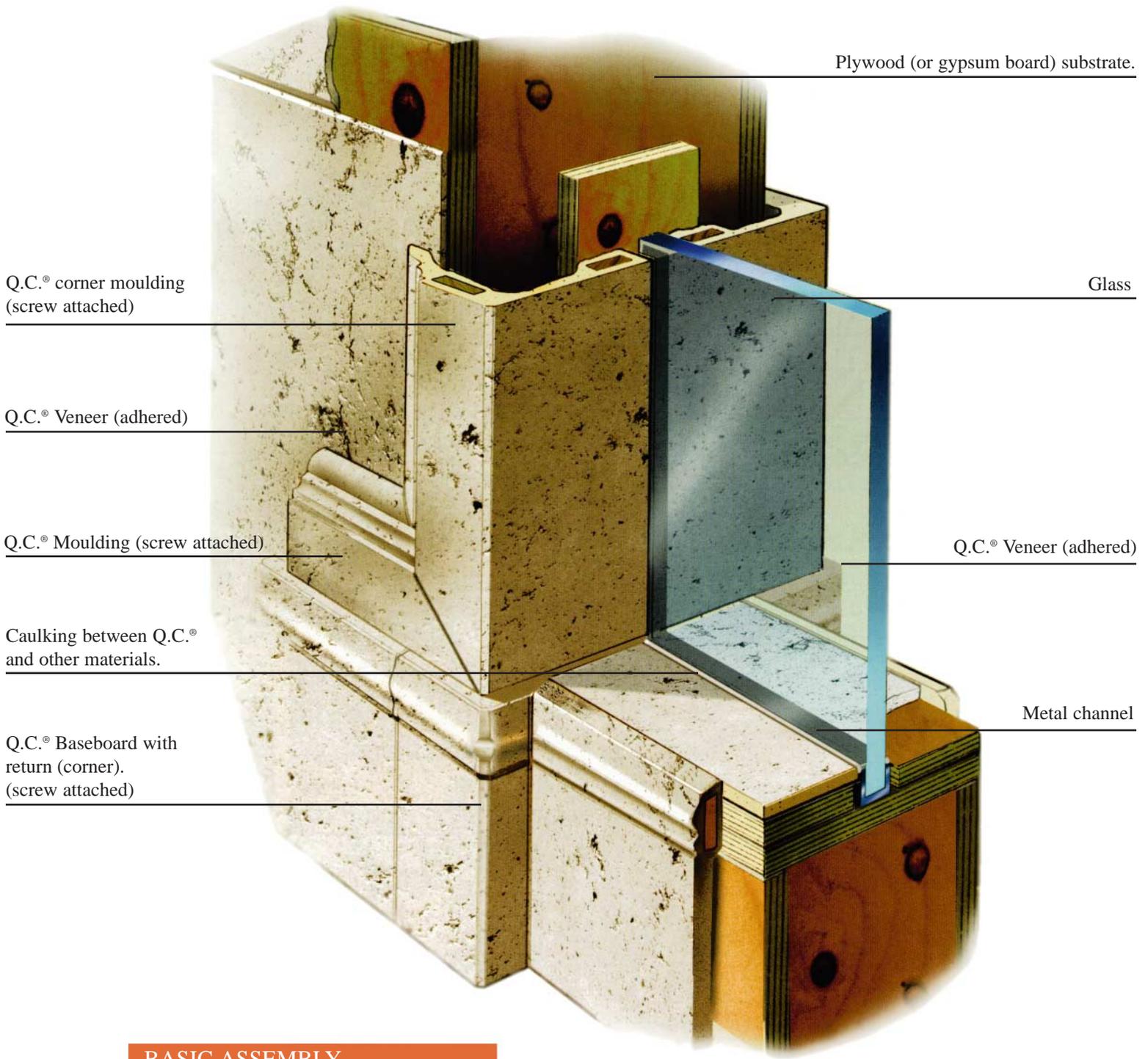
DESIGN GUIDELINES:

In addition to the purely aesthetic considerations, there are certain technical aspects to remember when specifying QuarryCast®.

- Because QuarryCast® is hand molded, color and texture variations within and between pieces will occur. This avoids a “manufactured” look and enhances the overall appearance.
- Most stone/marble colors can be matched at a premium, but a “polished” look is not possible.
- A standard clear factory applied sealer improves surface resistance to dirt and staining. Clear “Graffiti Guard” is available but gives a “gloss” that may not be desirable.
- A “high impact” (H.I.) variety is available for baseboards, chair rails or other elements subject to extreme wear.
- Non-combustible, lightweight, easy to install and maintain, QuarryCast® can be used without restrictions in any interior. It cannot be used on floors or exteriors, but is suitable in high humidity areas or under exterior soffits when protected from rain.
- Because of the many shapes, sizes and colors available, all QuarryCast® parts are made to order and never stocked. A standard price list does not exist but after receipt of a sketch and the required quantities, Formglas will supply pricing within days.
- If possible, repeat the same shapes or ones made from our existing molds inventory (“see standard mold catalogue”). Thin but stiff, every shape, radius or curved part requires its own mold that can add to the costs and delivery times.
- QuarryCast® “Veneer” panels can be more expensive than stone or marble tiles. However the installed price of large panels is often comparable or less due to the rapid application (up to 4 times faster) on standard plywood/gypsum board back up.

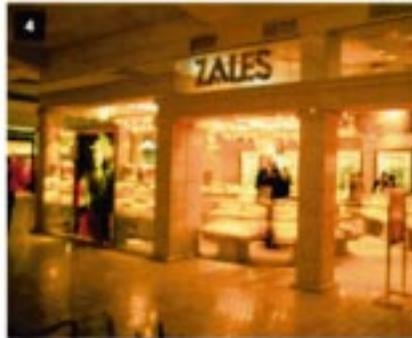
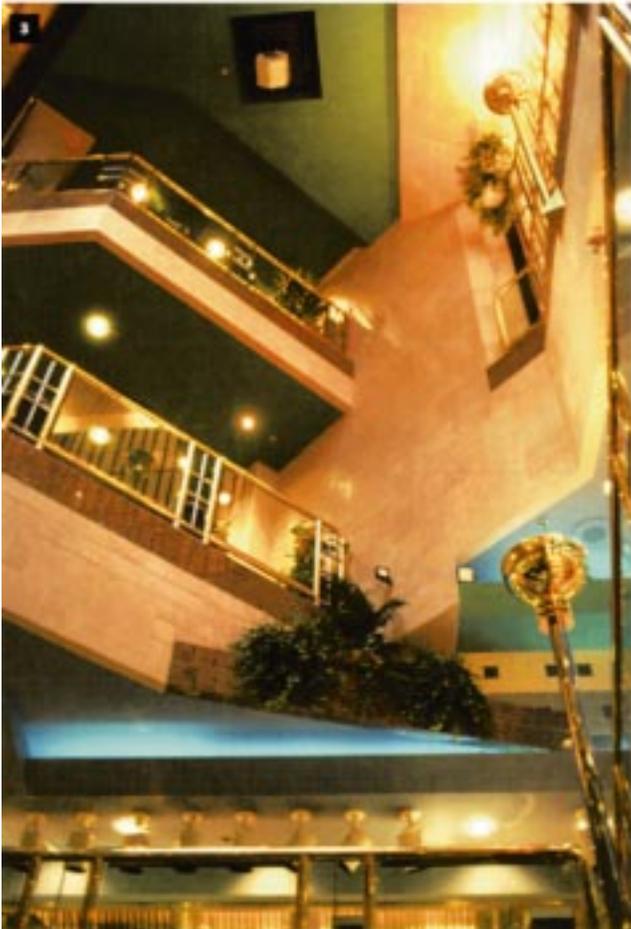


- Cladding comprising of straight and curved veneer, chair rail and baseboard, all with premade corners.
- Solid cast balusters with built-in metal tubing.



BASIC ASSEMBLY

Note: All screws are countersunk and the holes are filled with QuarryCast® matching grout.



1,2. A LA CARDE, TORONTO.

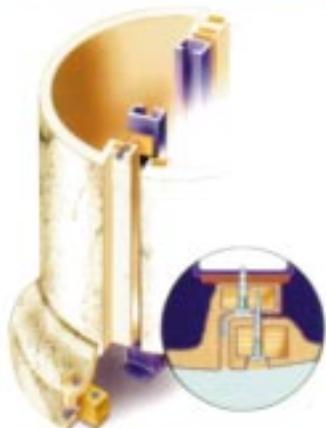
Arched storefront field cut and fit from standard veneer and mouldings.

3. J.J. MUGGS RESTAURANT, MISSISSAUGA, CAN.

Veneer, column covers, mouldings and light sconces.

4. ZALES JEWELLERY STORES, SAN ANTONIO, TX.

Storefront columns, beam covers, and display units.



1,2. FAIRWEATHERS, TORONTO.
Square and round fluted columns.

**3. PACIFIC LIGHTING & ELECTRIC CO.,
LOS ANGELES, CA.**
Baseboards, columns with capitals and bases.
GENSLER & ASSOCIATES, ARCHITECTS.

4. OGLIVY'S DEPARTMENT STORE, MONTREAL.
Columns, sconces, dentil cornice and Formglas G.R.G. reflectors.

5. Round column with base. Note the "overlap" joint to ensure alignment. Columns under 8'-0" (2400mm) height do not require stud supports.

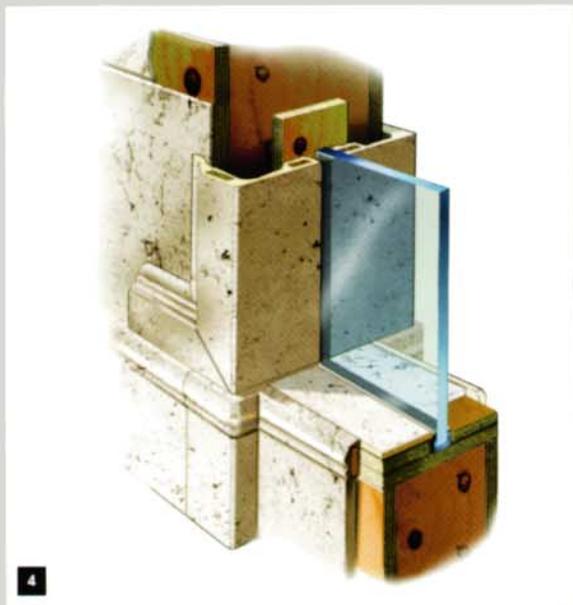


QUARRRYCAST®

1. MARKS & SPENCER STOREFRONT
Mouldings surrounding inset veneer panels, cornice and baseboard.

2,3. DETAILS OF MARKS & SPENCER.





4



5



6



7



8



9

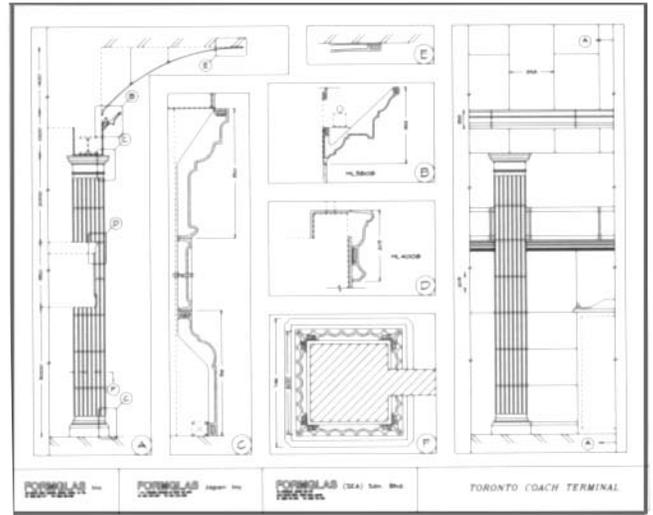
4. Typical Assembly on plywood substrate (gypsum board back-up also works well)
5. Panels & mouldings can be cut with a saw-z-all (tungsten carbide or steel cutting blades) or table/skill saw (tungsten carbide or diamond blades).
6. Panels are installed using PL.400 or similar construction adhesive.
7. To hold panels in place until the adhesive sets, air-driven "T" nails can be used.
8. For mouldings, counter sunk screws are recommended, and the holes are filled with QuarryCast® matching grout.
9. Cleaning & Maintenance - Clean the surface with a soap solution and rinse with a damp sponge. For excessive dirt (non fat), pencil, rubber marks etc. use multipurpose cleaners (Spray Nine - by Knights).





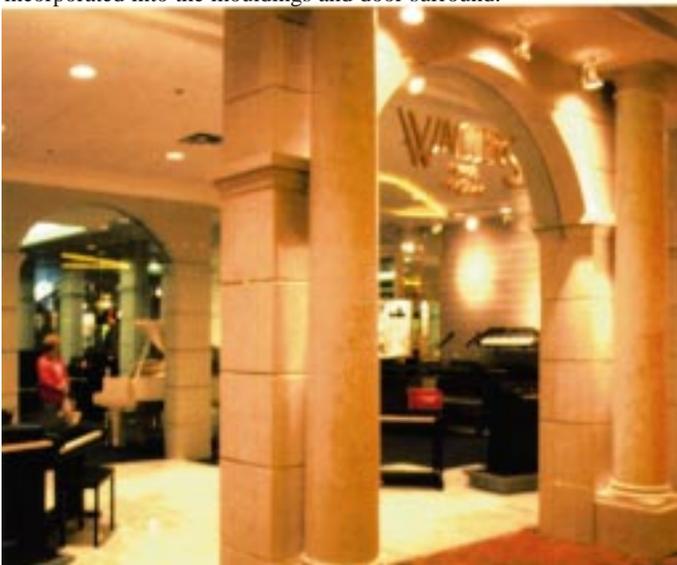
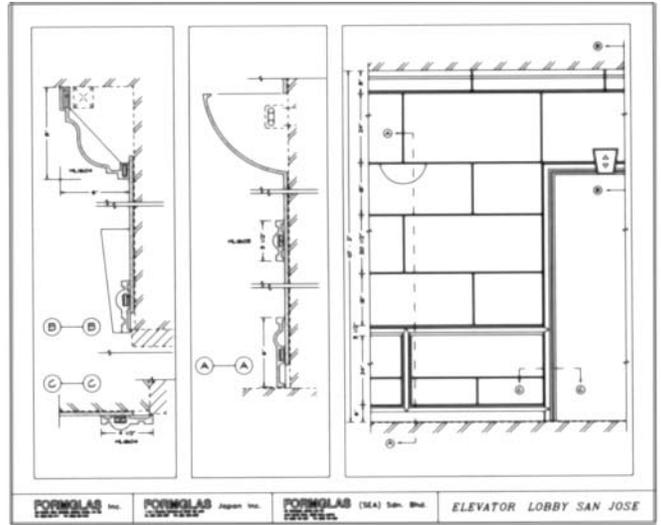
COACH TERMINAL, TORONTO.

In addition to the columns, mouldings and veneer panels, this project features a QuarryCast® vaulted ceiling.



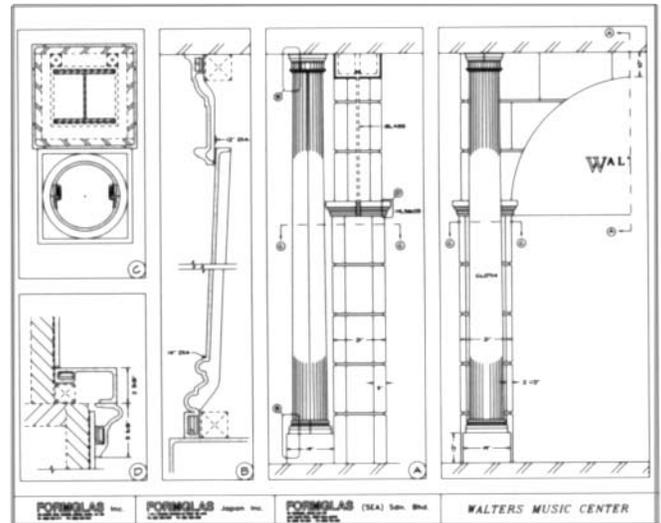
ELEVATOR LOBBY, SAN JOSE, CA.

The veneer joints are caulked, and bronze feature strips are incorporated into the mouldings and door surround.



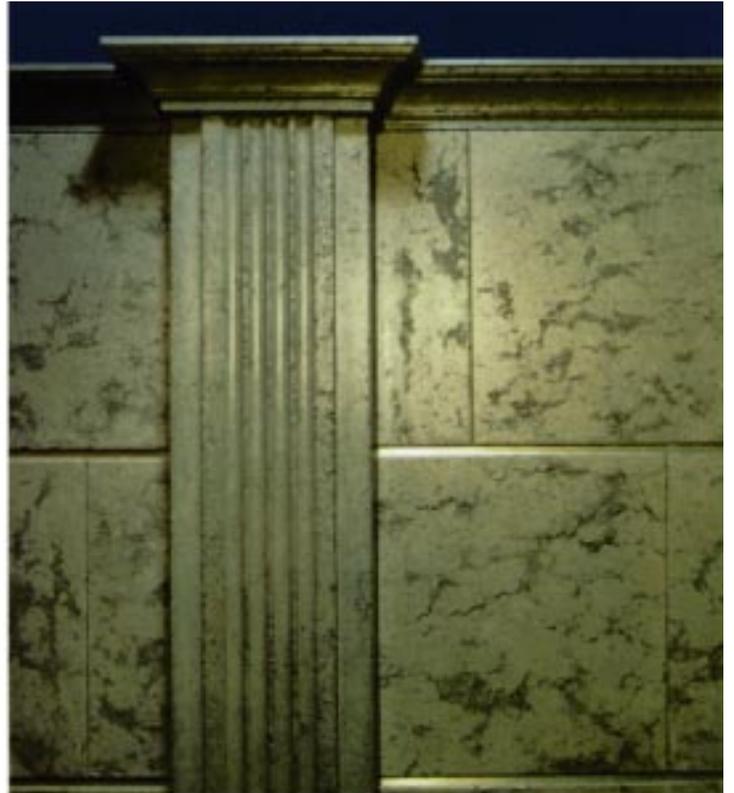
WALTERS MUSIC STORE, TORONTO.

The arch was field fabricated from straight and curved veneer. The square columns show factory made corners and brass feature strips in the 3/8" (9mm) wide joints.





“SLATE” texture - “MULTI COLOR”. Dry butt joints.



“NATURAL” (smooth) texture - darker shade “MOTTLED”
Metal feature strips in horizontal joints.

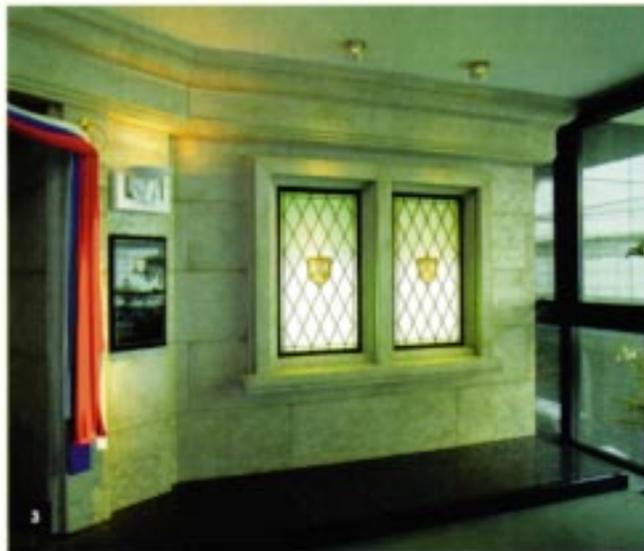
All 4 Wall - Custom finishes and textures

“NATURAL” (smooth) texture - three color “MOTTLED”

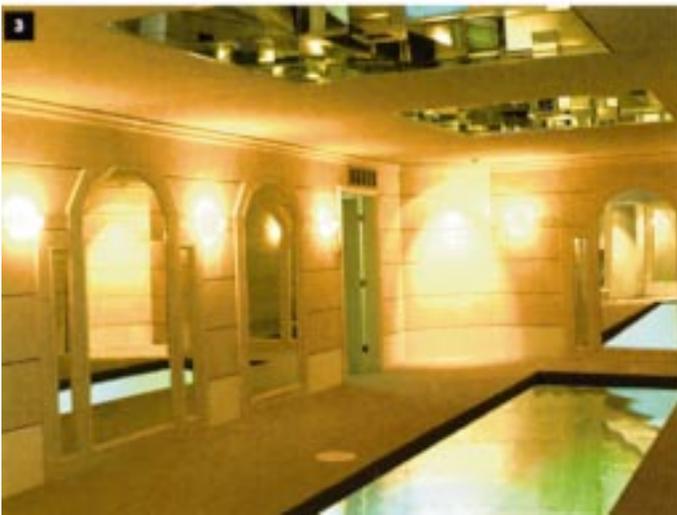
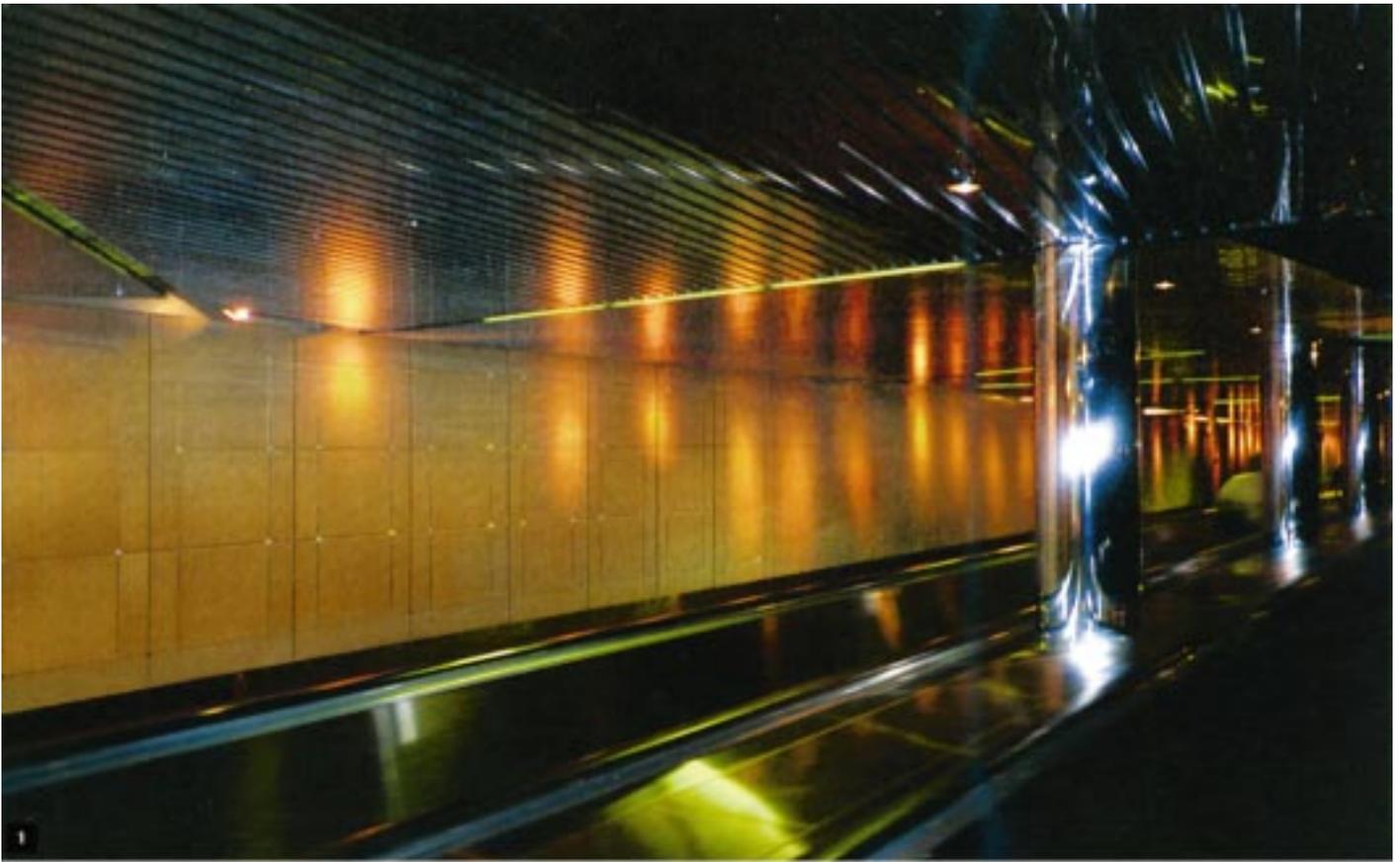


“NATURAL” (smooth) texture - main panels with “BUSH
HAMMERED” feature band - standard color “Seattle Sand”.





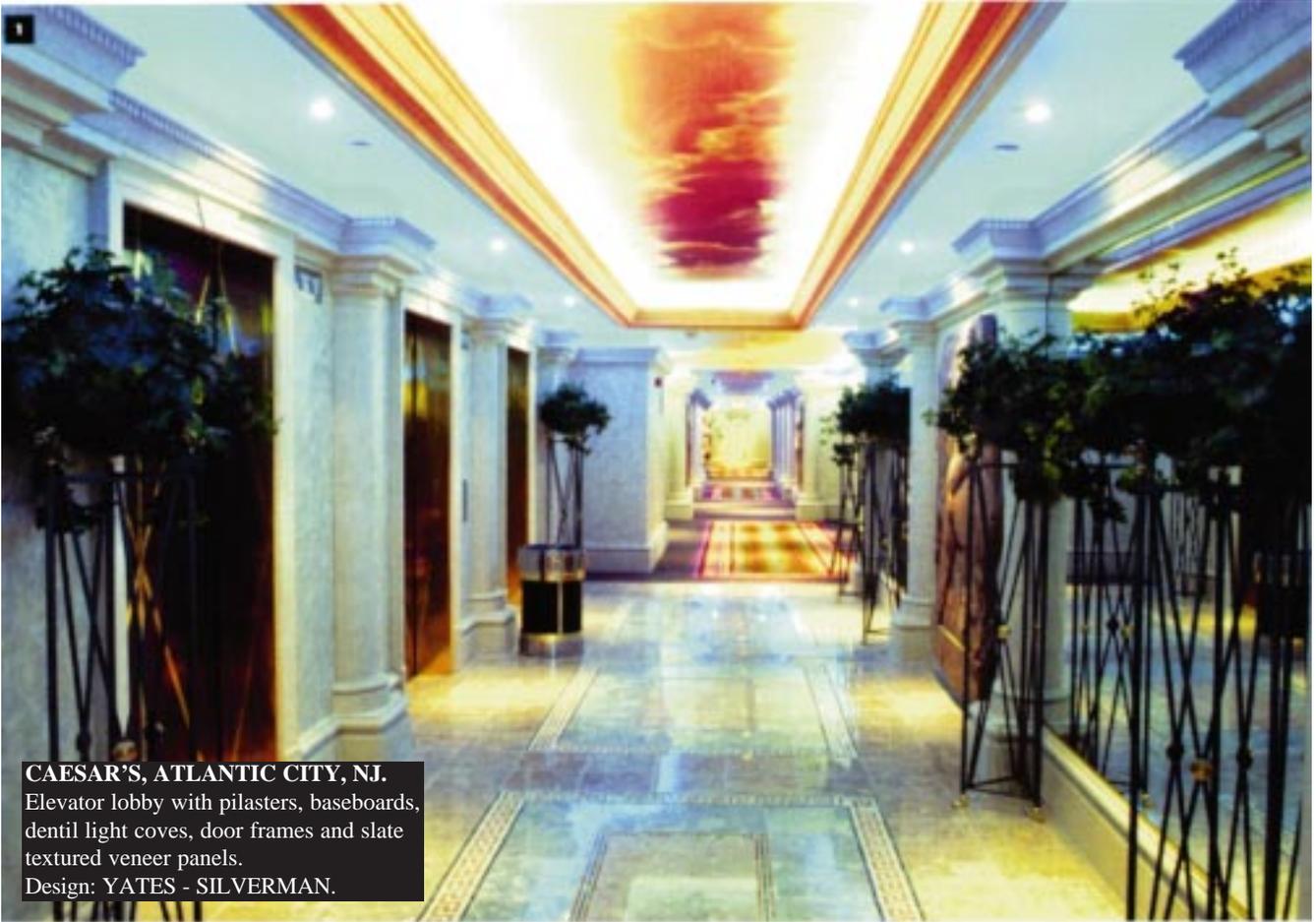
- 1,2. **JEWELLERY STORE, TYSON'S CORNER, VA.**
Veneer showcases, signage back-up, columns, display counters and pyramid.
- 3,4. **ECATERINA RESTAURANT, TOKYO, JAPAN**
Straight and curved veneer and mouldings in standard and bronze veined QuarryCast®.
5. **UNIVERSITY OF SCRANTON, SCRANTON, PA.**
Veneer, mouldings, light coves, and University Crest.



1. **GENERAL MITCHELL INT'L AIRPORT, MILWAUKEE, WI.**
Custom wall panels with build-in reveals. Due to high traffic, panels are factory finished with graffiti guard.
2. **FREDRICK HOUSE, TORONTO, CAN.**
QuarryCast® can be used in exterior conditions if it is protected from direct contact with the elements. A factory applied, clear graffiti guard coating provides additional protection.
3. **ALEC MURRAY POOL, HAMILTON, CAN.**
High humidity, or water splashed occasionally will not harm QuarryCast®. In pool or spa areas, marble or ceramic tile should be used for the first 12" (300 mm) from the floor, and a graffiti guard coating on the QuarryCast® parts for additional protection.
4. **UNIVERSITY OF MARYLAND HOSPITAL, BALTIMORE, MD.**
Ceiling coffers and dentil mouldings.



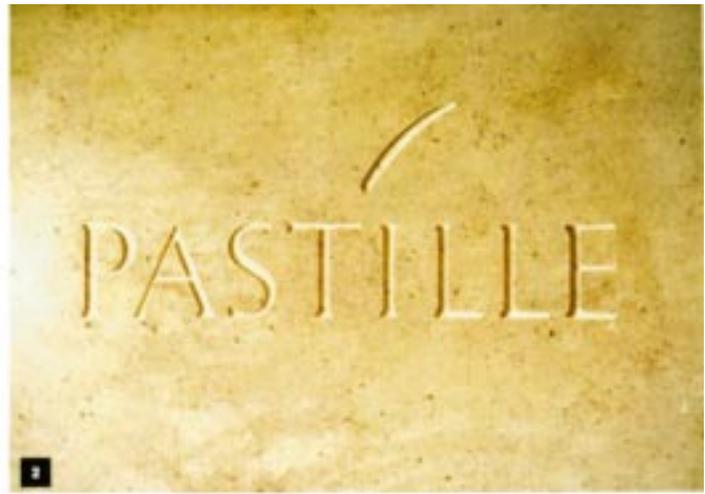
1. **PALETT VALO OFFICES, TORONTO, CAN.**
Veneer, door frames, pediments, baseboards.
2. **200 CONSUMERS ROAD, TORONTO, CAN.**
Veneer, door surround and directory frames.
3. **C.I.B.C. INSURANCE OFFICES, MISSISSAUGA, CAN.**
Pilasters.
4. **FAMILY COURT, PHILADELPHIA, PA.**
Wainscot & mouldings.
5. **TIFFANY PLACE CONDOMINIUMS, ETOBICOKE, CAN.**
Veneer Panels.



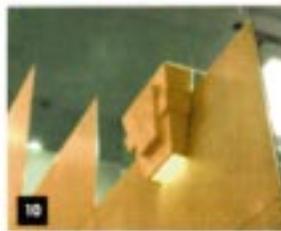
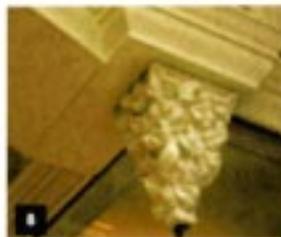
CAESAR'S, ATLANTIC CITY, NJ.
Elevator lobby with pilasters, baseboards, dentil light covers, door frames and slate textured veneer panels.
Design: YATES - SILVERMAN.



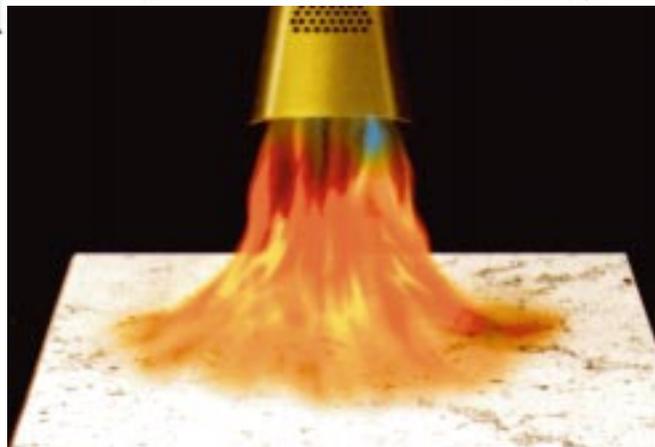
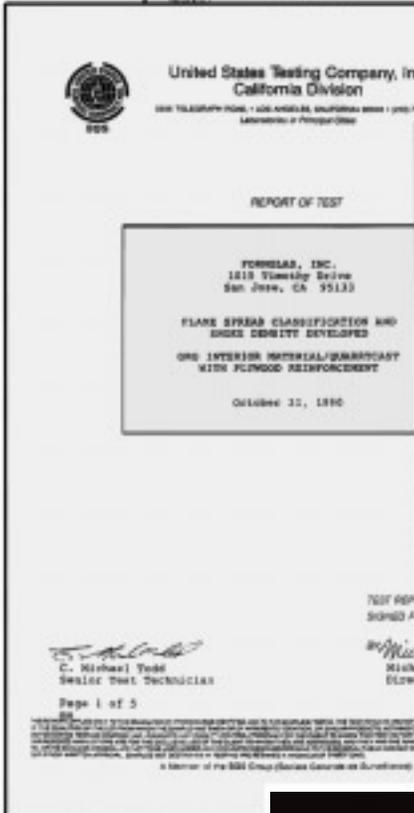
HAMPTON INN, BUFFALO, NY.
Custom columns, display units and light covers.



1. **DR. DEL DEGAN DENTAL CLINIC, WOODBRIDGE, CAN.**
Custom beam enclosures.
2. **PASTILLE, USA.**
Sign panel with recessed lettering.
3. **O.B. ALLEN STORE, MISSISSAUGA, CAN.**
Custom entrance archway and showcases.
4. **ALTON BELLE RIVERBOAT**
Plain and fluted columns with ionic capitals.
5. **SHOPPING CONCOURSE, BARRIE, CAN.**
Entrance archways.

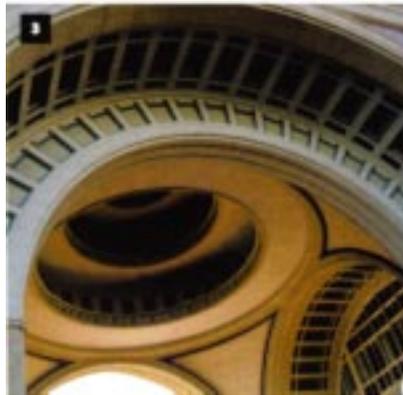


1. Coffered Ceiling.
2. Stepped mouldings.
3. "Cordovan" wainscot and chair rail. "Mogul Mauve" wall veneer with "Cordovan" diamonds.
4. Frieze.
5. Veneer patterned wall.
- 6,7. "Instant Teller" surround with veneer system columns and pediments.
8. Mouldings and ornamental corner element.
9. Reception desk incorporating curved and straight veneer panels, baseboard and mouldings. (QuarryCast® is not recommended for desk or table tops.)
10. "Keystone" sconce.



QuarryCast® was tested and approved in many parts of the world. With a Flame Spread rating of “0” and a Smoke rating of “0”, it exceeds the most stringent codes.

Other Formglas products



- 1. HILTON QUEEN OF NEW ORLEANS CASINO BOAT.**
Glassfiber Reinforced Gypsum (G.R.G.) for interior use.
- 2. SOUTHERN BELLE CASINO BOAT, MISSISSIPI, USA.**
Interior application of G.R.G.
- 3. ROWES WHARF, BOSTON, MA.**
Exterior application of Glassfiber Reinforced Cement (G.R.C.)



QuarryCast[®]
by Formglas[™]

Front cover:

Elevator lobby “Veneer” wall with custom mouldings, door frame etc. White contrasting caulking was used in the joints.

The segmented arches of this store front are field cut from straight mouldings.

“Veneer” and small mouldings - Canyon Clay.

Large perimeter moulding - Galveston Grey.

QuarryCast®

VENEER WALL SYSTEM

QuarryCast® is a “molded” stone made from natural aggregates and minerals, reinforced with glassfibers.

The warm distinctive appearance is that of lime/sand stone, but the weight and installation costs will be appreciably less.

The colour, shading and texture variations within and between individual pieces, will lend an exciting dimension to any design.

Standard “Veneer” panels are 5/16” thick, weigh 2½ lbs. per square foot and are applied with an adhesive to almost any type of substrate.

With a choice of 5 standard colours, the panels come 48” long x 16” or 24” wide. For sizable projects, other sizes and even curved panels in special colours can be manufactured on a custom basis.

Coloured throughout, it can be field cut by carpenters (with simple tools) to suit site conditions.

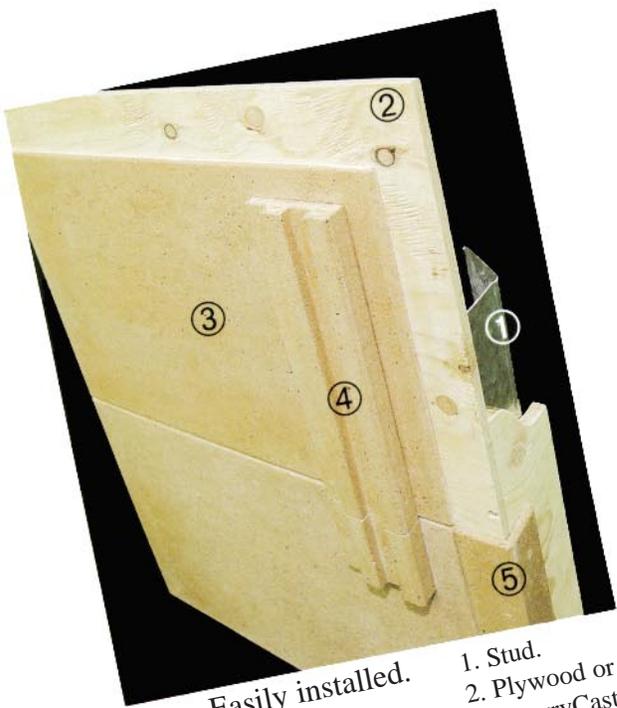
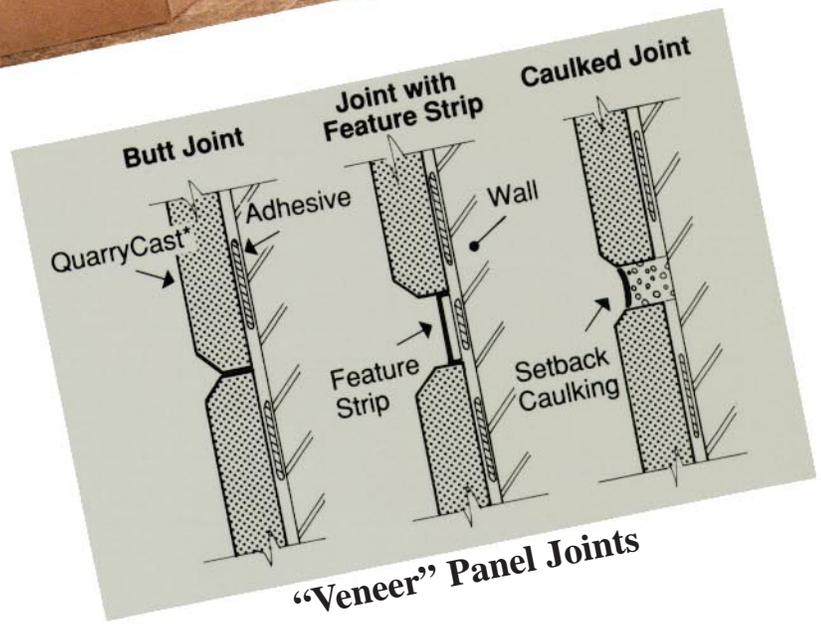
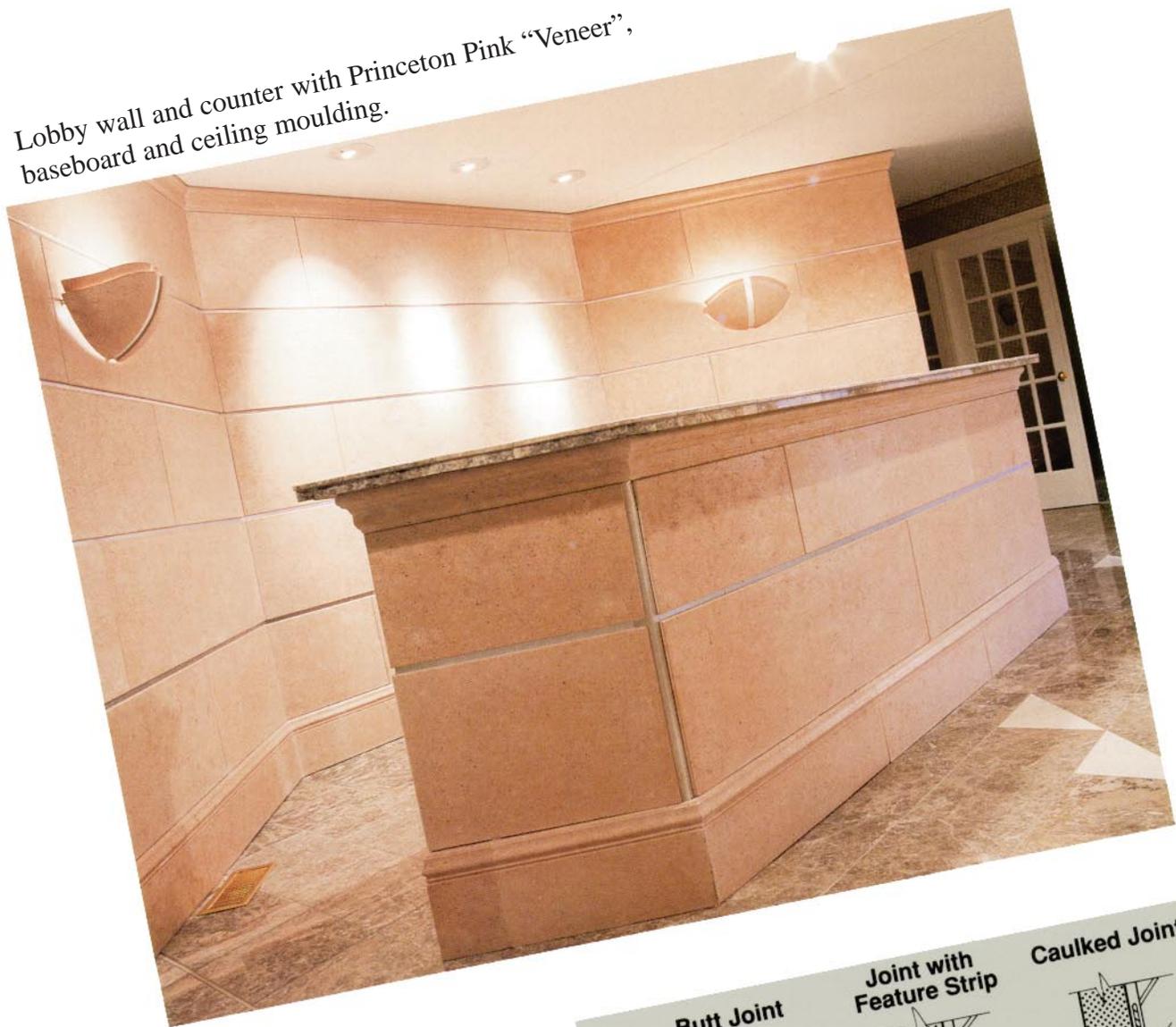
As part of a complete system, we supply 90° outside corners, baseboards, mouldings, cornices, door frames, etc.

Dry “butt” joints are most commonly used, but joints can be treated with caulking or plastic laminate “feature” strips.

QuarryCast® is dimensionally stable with a flame spread rating of “0” and a smoke rating of “0” (A.S.T.M. - E.84), exceeding the most stringent codes.

It offers many exciting applications, but QuarryCast® cannot be used on floors or in exterior conditions.

Lobby wall and counter with Princeton Pink "Veneer",
baseboard and ceiling moulding.



Easily installed.

1. Stud.
2. Plywood or Drywall
3. QuarryCast® "Veneer" (Adhered)
4. QuarryCast® "Moulding" (Screw Attached.)
5. QuarryCast® "Corner" (Adhered)

"Veneer" Panel Joints



Galveston Grey
"Veneer" wall with
brass plastic
laminate feature
strips in the
horizontal joints.



Store front
showing Boise
Buff "Veneer"
panels framed
with mouldings
and baseboard.



Custom made door pediment (Colour - Boise Buff)



Custom made square columns and light valances
(Colour - Princeton Pink) in Hotel Lobby.

QuarryCast® Custom Items

In addition to the standard “Veneer Wall” System featured on the inside of this brochure, Formglas Inc. manufactures interior elements on a custom basis. These photographs give only a glimpse of the unlimited possibilities QuarryCast® (molded stone) offers.

Formglas (G.R.G.) Custom Items

(not shown in this brochure)

When budget restrictions dictate the use of a more economical material, interior elements can be executed in Formglas G.R.G. (Glassfiber Reinforced Gypsum). Although it lacks the richness and warm “stone-like” appearance of QuarryCast®, G.R.G. is the ideal solution where the shape is still important but a field applied finish will suffice.

For more information contact:

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FORMGLAS JAPAN INC.

Tokyo, Japan. Tel: 3225-8397 Fax: 3225-9153

FORMGLAS SDN. BHD

Kuala Lumpur, Malaysia. Tel: 603-368-1299 Fax: 603-367-7795



Doric column (Color - Princeton Pink)



Custom manufactured store front - Design: Peter Colton/Edward Burg



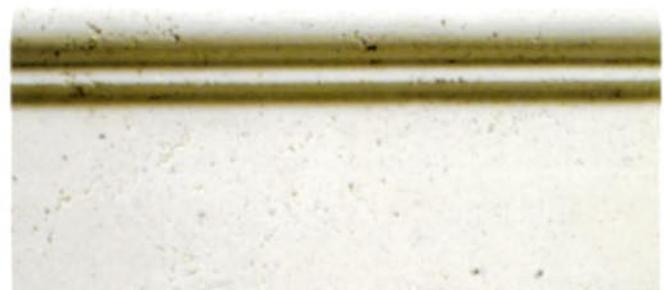
Princeton Pink



Boise Buff



Galveston Grey



Seattle Sand

Photo reproduction may not represent the true colours. Shades and hues in the actual panels will also vary from part to part, adding to the overall appeal.