



CERTIFICATE OF APPROPRIATENESS APPLICATION FORM

Incomplete applications will not be processed for Commission review.

Please print legibly.

1. HISTORIC NAME OF PROPERTY OR HISTORIC DISTRICT: (if known)

former Biltmore furniture building

ADDRESS OF PROPERTY:

733-737 W. Historic Mitchell St

2. NAME AND ADDRESS OF OWNER:

Name(s): Hak Jae Kim (Jin Kim)

Address: A1 Beauty LLC

City: 737

State: _____

ZIP: _____

Email: _____

Telephone number (area code & number) Daytime: _____

Evening: _____

3. APPLICANT, AGENT OR CONTRACTOR: (if different from owner)

Name(s): ~~Hak Jae Kim (Jin Kim)~~

Mark Rider, Owner
Airtite Exteriors LLC

Address: 2566 N 65th St

City: Wauwatosa

State: WI

ZIP Code: 53213

Email: mmrider@wi.rr.com

Telephone number (area code & number) Daytime: 414 758-9418

Evening: 414 258-6773

4. ATTACHMENTS: (Because projects can vary in size and scope, please call the HPC Office at 414-286-5712 for submittal requirements)

A. REQUIRED FOR MAJOR PROJECTS:

☒ Photographs of affected areas & all sides of the building (annotated photos recommended)

☒ Sketches and Elevation Drawings (1 full size and 1 reduced to 11" x 17" or 8 1/2" x 11")
A digital copy of the photos and drawings is also requested.

☒ Material samples
Material and Design Specifications (see next page)

Brick, Metal brick tile,
powder coated steel-copper
Metallic finish

B. NEW CONSTRUCTION ALSO REQUIRES:

_____ Floor Plans (1 full size and 1 reduced to a maximum of 11" x 17")

_____ Site Plan showing location of project and adjoining structures and fences

**PLEASE NOTE: YOUR APPLICATION CANNOT BE PROCESSED UNLESS
BOTH PAGES OF THIS FORM ARE PROPERLY COMPLETED
AND SIGNED.**

5. DESCRIPTION OF PROJECT:

Tell us what you want to do. Describe all proposed work including materials, design, and dimensions. Additional pages may be attached.

1. Replace missing pediment with matching piece of buff colored Indiana limestone
2. Straighten buckling central portion of North facade about (2) central pilasters.
3. Tuckpoint horizontal crack across facade with matching grey mortar, matching sand texture, joint depth and no staining or mortar smearing
4. Epoxy, mortar and/or epoxy & Metal pin pieces of limestone cracking off about fault line (4-5 places including one lower on a window frame)
5. Replace any found cracked bricks with similar brick per sample
6. Back up plan: If buckling went correct fully, cover angle iron compression fixture with copper color metal decorative style.

6. SIGNATURE OF APPLICANT:

Signature

Please print or type name

Date

This form and all supporting documentation **MUST** arrive by 12:00 noon on the deadline date established to be considered at the next Historic Preservation Commission Meeting. Any information not provided to staff in advance of the meeting will not be considered by the Commission during their deliberation. Please call if you have any questions and staff will assist you.

Hand Deliver or Mail Form to:

Historic Preservation Commission
City Clerk's Office
200 E. Wells St. Room B-4
Milwaukee, WI 53202

PHONE: (414) 286-5722

FAX: (414) 286-3004

www.milwaukee.gov/hpc

Or click the **SUBMIT** button to automatically email this form for submission.

SUBMIT

A

Missing pediment on Northwest corner
to match adjacent pediment which
we measured (see sketch). Buff colored
Indiana limestone



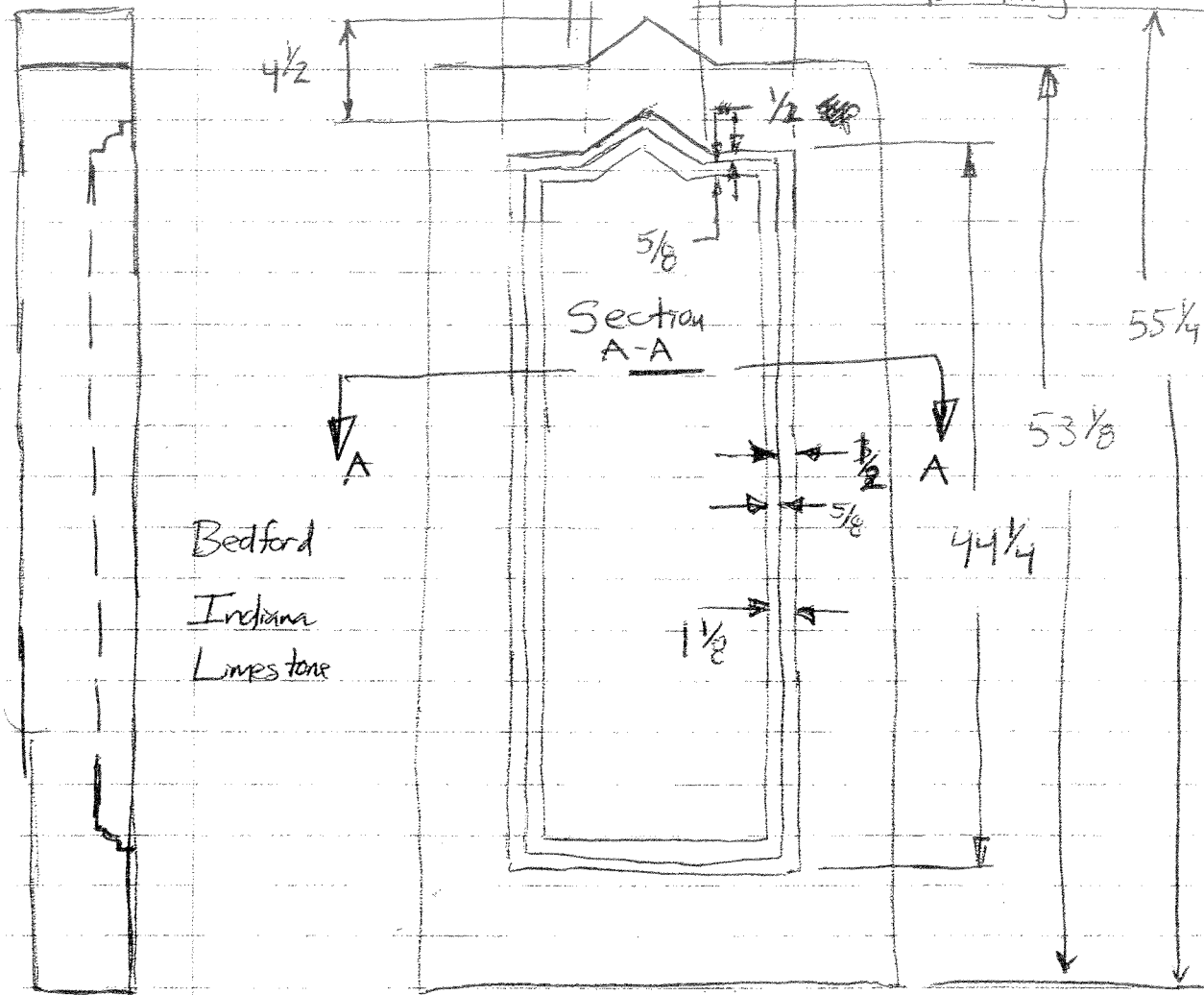
(B)

Missing pediment



©

Preliminary
from West face
verify same measurements
for missing North face stone



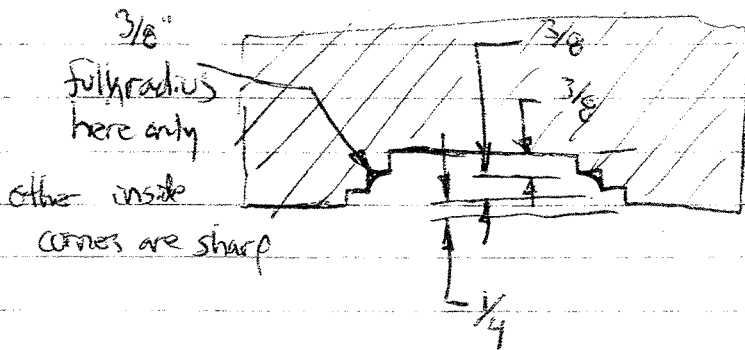
Bedford
Indiana
Limestone

Section
A-A

Front view

Side
View

30" wrap
urethane joint
around
periphery

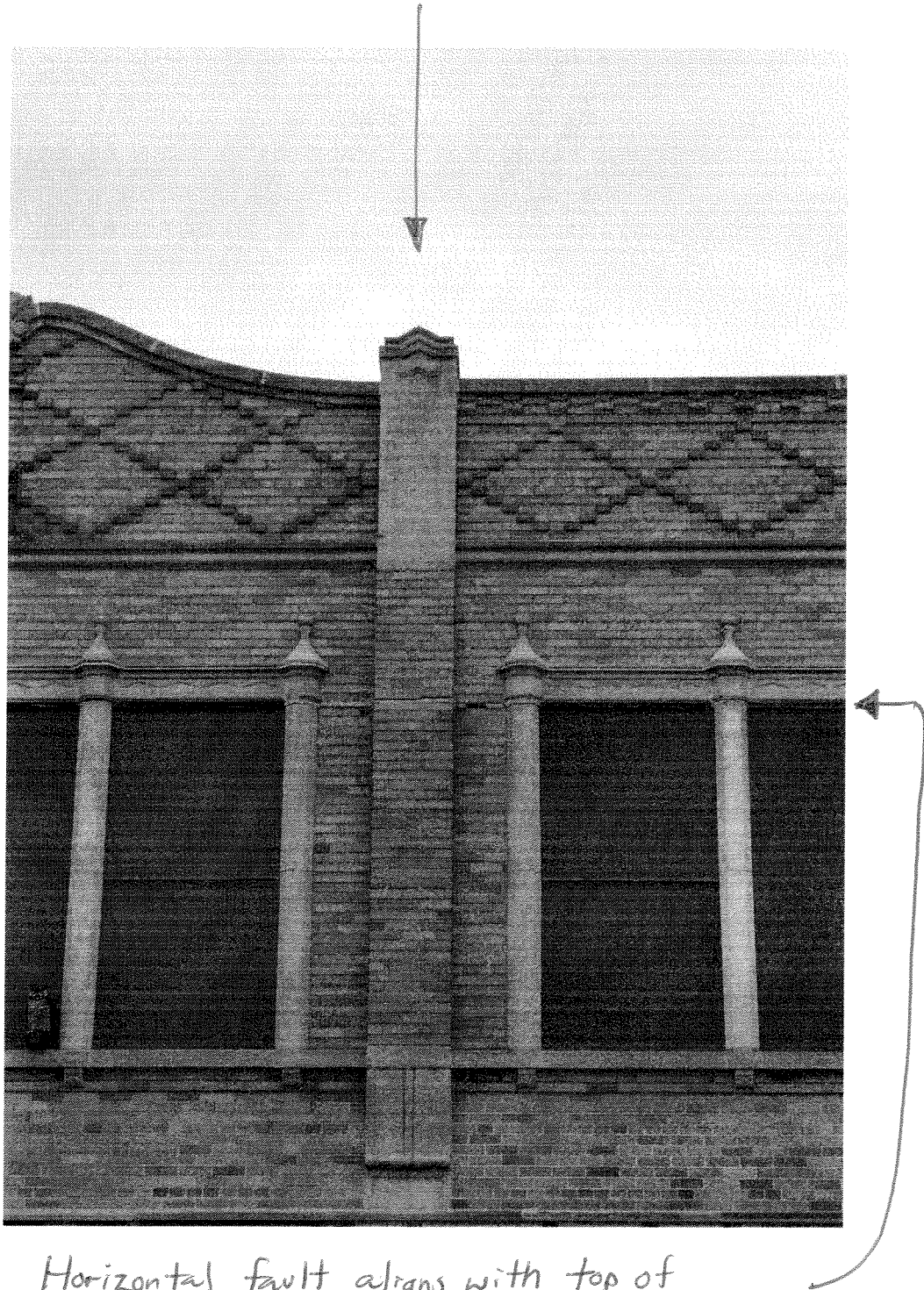


48 places
≈ 1/4 wide to
cut out
Only 26 gapped
for rest

Section A-A

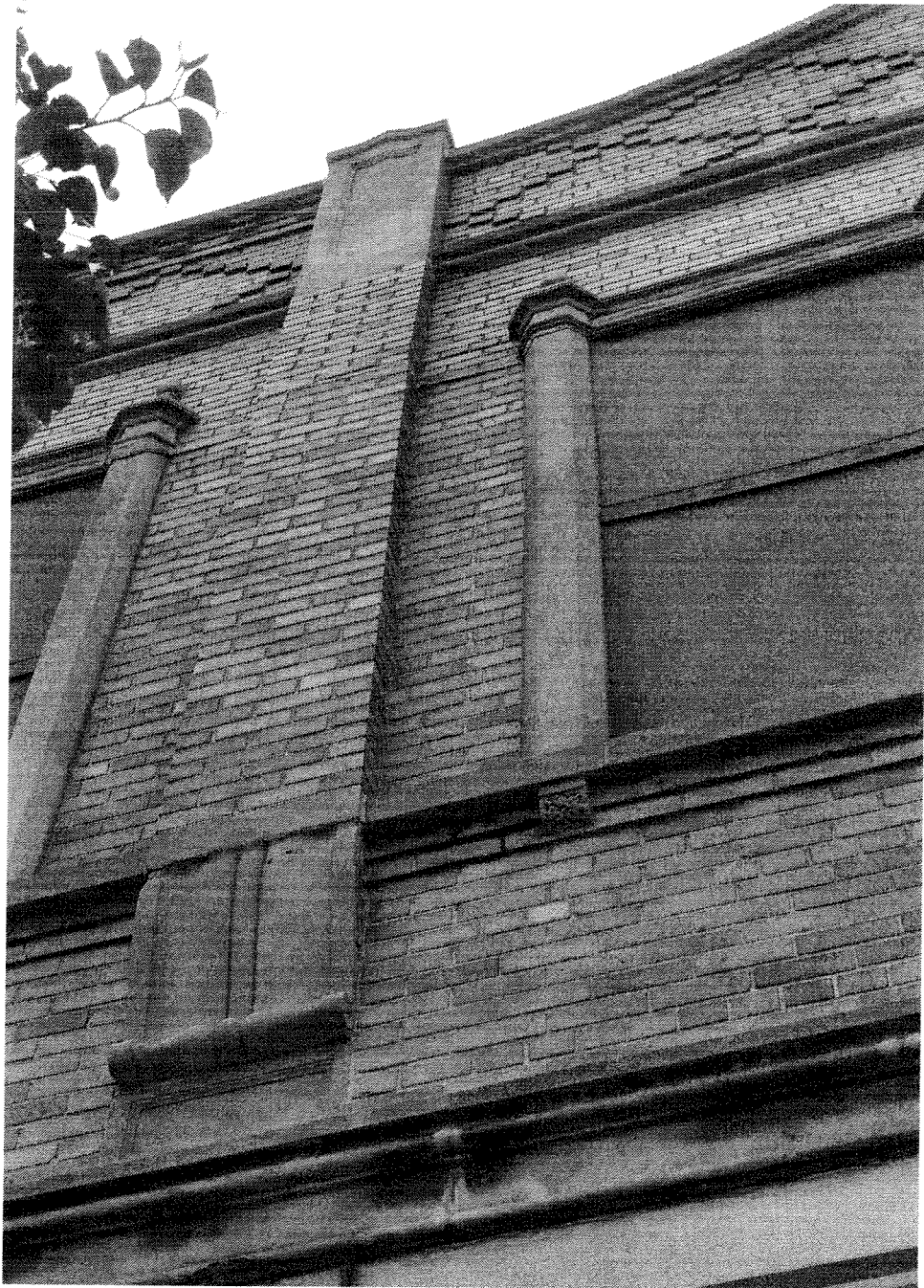
①

Central right pilaster



Horizontal fault aligns with top of windows that span most of 60' wide North facade. Buckling of facade is occurring about the Central (left and right) pilasters

E



Buckling or bulging of facade - up to 2" movement. Intend to straighten without rebuilding.

(F)

Fractured
limestone to
be epoxied,
mortared and/or
pinned
4-5 places



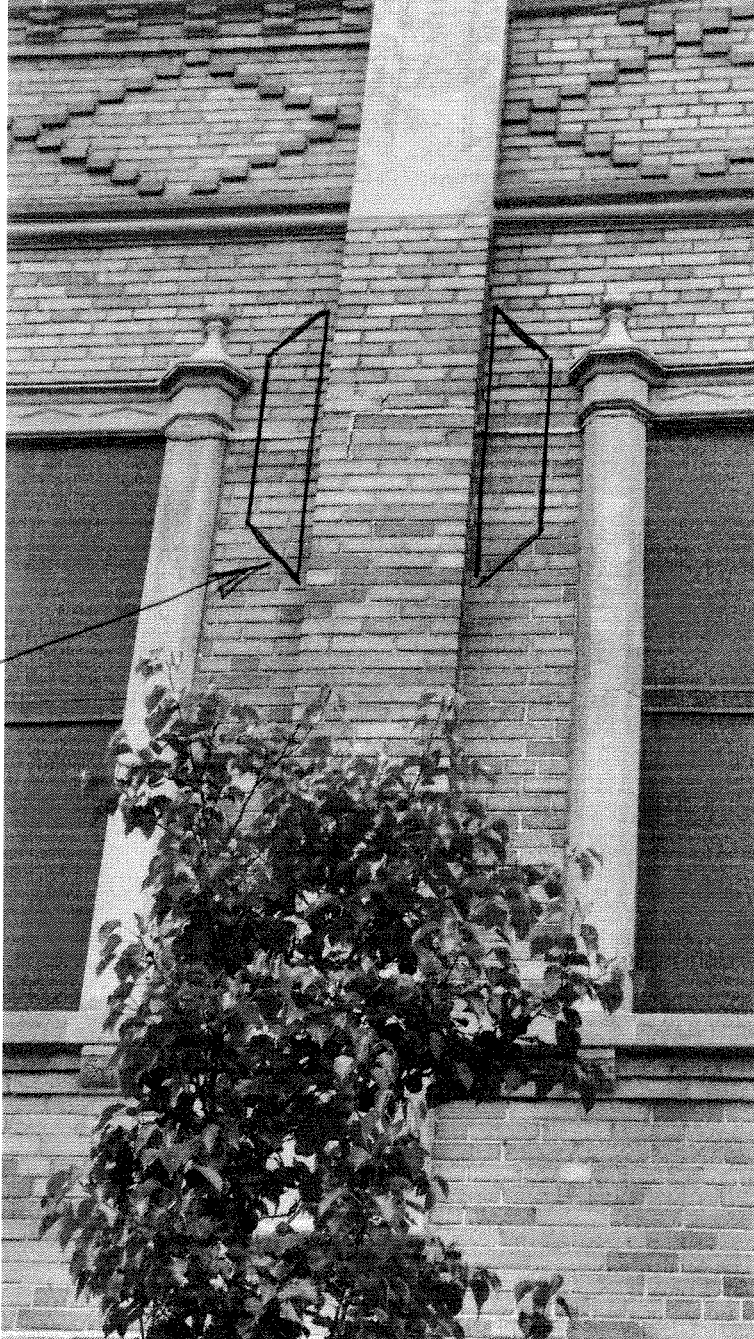
Compress wall
and cut out
excessively wide,
buckled brick joint
while supporting
facade with shims
and existing
deeply located
mortar.

Embed metal
brick ties
(sample)

If any broken
brick, replace
(sample brick)

⑥

Straighten facade by compression clamping with angle iron (not shown) inside and outside building.



Shown is
the back-up
plan.

Should the
facade not
straighten
fully,
fabricate

(4) pieces - metal covers, copper finish powder coated (sample)

Permanently cover the angle iron (also powder coated)
for strength, bracing and appearance

(H)

Optional Pull tabs

5'

Interior floor 2nd

SECTION A-A

1 of 2 central pilasters

half-column window frame

1/4" shim

5/8" ϕ all thread 2 pl.

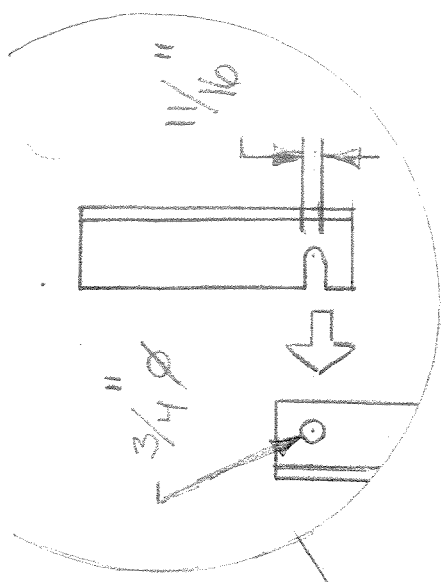
DETAIL 1 ENLARGED

Above detail:

Removeable subplate of angle iron (4) places

Phantom line shows approx size, shape and location of cladding over angle iron, if necessary. Made of either Buff Indiana limestone or steel, powder coated color T.B.D. Copper metallic per sample ?

Approx location of horizontal building crack 21' Elevation



Before commencing installation ensure the installer is equipped with appropriate personal protection equipment, SDS Hammer Drill, Air Lance, Hole Cleaning Brush, good quality dispensing tool – either manual or power operated, adhesive cartridge with mixing nozzle.

Important: check the expiration date on the cartridge (do not use expired material) and that the cartridge has been stored in its original packaging, the correct way up, in dry conditions (@ 70°F) out of direct sunlight.

Solid Substrate Installation Method

1. Using the SDS Hammer Drill in rotary hammer mode for drilling, with a carbide tipped drill bit conforming to ANSI B212.15-1994 of the appropriate size, drill the hole to the specified hole diameter and depth per Table 4 of ESR-1702.

2. Select the correct Air Lance, insert to the bottom of the hole and depress the trigger for 2 seconds. The compressed air must be clean – free from water and oil – and at a minimum pressure of 90 psi (6 bar).

Perform the blowing operation twice

3. Select the correct size Hole Cleaning Brush. Ensure that the brush is in good condition and the correct diameter. Insert the brush to the bottom of the hole, using a brush extension if needed to reach the bottom of the hole and withdraw with a twisting motion. There should be positive interaction between the steel bristles of the brush and the sides of the drilled hole.

Perform the brushing operation twice.

4. Repeat 2 (blowing operation) twice.

5. Repeat 3 (brushing operation) twice.

6. Repeat 2 (blowing operation) twice.

7. Select the appropriate static mixer nozzle, checking that the mixing elements are present and correct (**do not modify the mixer**). Attach mixer nozzle to the cartridge. Check the Dispensing Tool is in good working order. Place the cartridge into the dispensing tool.

Note: The 7C-XLMN nozzle is in two sections. One section contains the mixing elements and the other section is an extension piece. Connect the extension piece to the mixing section by pushing the two sections firmly together until a positive engagement is felt.

Note: CIA-GEL 7000 may only be installed between the temperatures of 40°F and 110°F. The product must be conditioned to a minimum of 60°F. For gel and cure time data, refer to Table 3 in ESR-1702.

8. Extrude some resin to waste until an even-colored mixture is extruded, The cartridge is now ready for use.

9. Insert the mixing nozzle to the bottom of the hole. Extrude the resin and slowly withdraw the nozzle from the hole. **Ensure no air voids are created** as the nozzle is withdrawn. Inject resin until the hole is approximately $\frac{3}{4}$ full and remove the nozzle from the hole.

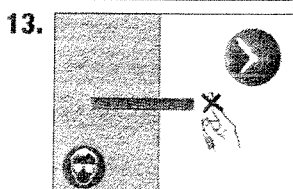
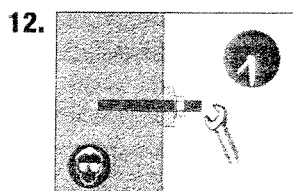
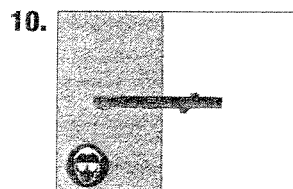
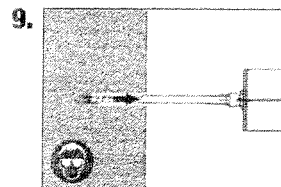
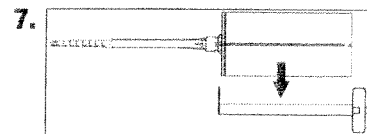
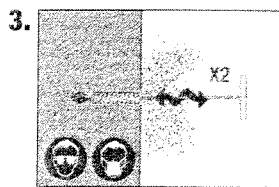
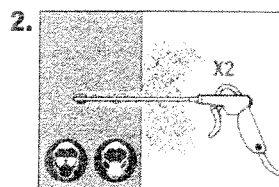
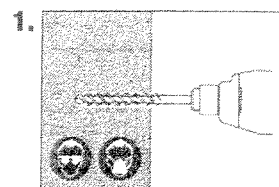
10. Select the steel anchor element ensuring it is free from oil or other contaminants, and mark with the required embedment depth. Insert the steel element into the hole using a back and forth twisting motion to ensure complete cover, until it reaches the bottom of the hole. Excess resin will be expelled from the hole evenly around the steel element and there shall be no gaps between the anchor element and the wall of the drilled hole.

11. Clean any excess resin from around the mouth of the hole.

12. Do not disturb the anchor until at least the minimum cure time has elapsed. Refer to Table 3 in ESR-1702 to determine the appropriate cure time.

13. Position the fixture and tighten the anchor.

Do not over-torque the anchor as this could adversely affect its performance.



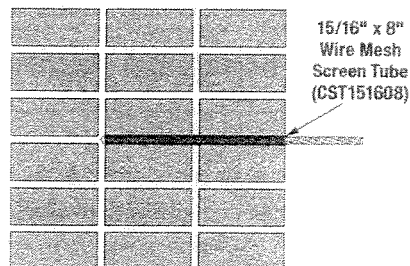
Unreinforced Brick Masonry Wall Installation Method

Drill and clean holes in accordance with the procedure described in steps 1 to 7 above (Solid Substrate Installation Method). EXCEPT: the drill shall be switched to rotary mode only (no impact).

A.) Use of Wall Anchor for Shear only

1. Drill a one-inch diameter (25.4 mm) by 8 inch (203 mm) deep hole for shear anchors perpendicular to the wall. An extension nozzle must be used to reach the back of the hole with compressed air. The hole must then be cleaned of dust and debris with a nylon brush and blown again with compressed air.
2. Extrude some resin to waste until an even-colored mixture is extruded, the cartridge is now ready for use.
3. Fill the screen tube completely with CIA-Gel 7000 epoxy and then place fully into the drilled hole.
4. Insert the threaded anchor into the screen tube and follow steps 10 to 13 above.

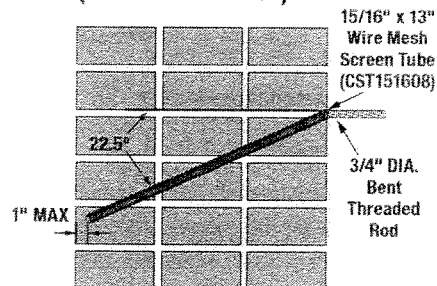
Configuration A (Shear)



B.) Use of Wall Anchor for Tension and Shear (exterior side not accessible)

1. Drill a one-inch diameter (25.4 mm) by 13 inch (330 mm) deep hole at a 22 -1/2 degree angle. The angled hole is to be drilled in the vertical plane only. The hole must be drilled a minimum of 13\" deep and must extend to within one inch of the outer face without going all the way through the wall. An extension nozzle must be used to reach the back of the hole with compressed air. The hole must then be cleaned of dust and debris with a nylon brush and blown again with compressed air.
2. Extrude some resin to waste until an even-colored mixture is extruded, the cartridge is now ready for use.
3. Fill the screen tube completely with CIA-Gel 7000 epoxy and then place fully into the drilled hole.
4. Insert the threaded anchor into the screen tube and follow steps 10 to 13 above.

Configuration B (Tension & Shear)



C.) Use of Wall Anchor for Tension and Shear (exterior side is accessible)

1. Drill a one-inch diameter (25.4 mm) by 8 inch (203 mm) deep hole perpendicular to the wall. An extension nozzle must be used to completely clean the hole with compressed air. The hole must then be cleaned of dust and debris with a nylon brush and blown again with compressed air.
2. Fill the screen tube completely with CIA-Gel 7000 epoxy and then place fully into the drilled hole.
3. A 13/16-inch-outside-diameter (21 mm) steel sleeve must be slowly pushed and continuously rotated into an adhesive-filled 15/16-inch-diameter by 8\" long (23.8 mm by 203 mm) wire mesh screen tube. After curing per Table 3 of ESR-1702, a 5/8 inch-diameter hole must be drilled through the bottom of the steel sleeve and through the remainder of the wall, until the wall is fully penetrated.
4. The 5/8-inch diameter (15.9 mm) rod must be inserted through the steel sleeve and wall and fitted with the plate and nut to complete the through bolted anchor connection.
5. Position the fixture and tighten the anchor.

Configuration C (Tension & Shear)

