

FEDERAL EMERGENCY MANAGEMENT AGENCY  
NATIONAL FLOOD INSURANCE PROGRAM  
**FLOODPROOFING CERTIFICATE**  
FOR NON-RESIDENTIAL STRUCTURES

The floodproofing of non-residential buildings may be permitted as an alternative to elevating to or above the Base Flood Elevation; however, a floodproofing design certification is required. This form is to be used for that certification. Floodproofing of a residential building does not alter a community's floodplain management elevation requirements or effect the insurance rating unless the community has been issued an exception by FEMA to allow floodproofed residential basements. The permitting of a floodproofed residential basement requires a separate certification specifying that the design complies with the local floodplain management ordinance.

BUILDING OWNER'S NAME <b>PAT GLATZ 40 RHYTHMS BAR &amp; GRILL</b>		FOR INSURANCE COMPANY USE	
STREET ADDRESS (Including Apt., Unit, Suite and/or Bldg. Number) OR P.O. ROUTE AND BOX NUMBER <b>334 E. MOUNTAIN AVENUE</b>		POLICY NUMBER	
OTHER DESCRIPTION (Lot and Block Numbers, etc.)		COMPANY NAIC NUMBER	
CITY: <b>FORT COLLINS</b>	STATE <b>CO.</b>	ZIP CODE <b>80524</b>	

**SECTION I FLOOD INSURANCE RATE MAP (FIRM) INFORMATION**

Provide the following from the proper FIRM:

COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM INDEX	FIRM ZONE	BASE FLOOD ELEVATION (in AO Zones, use depth)
<b>080102</b>	<b>10004</b>	<b>C</b>	<b>3-18-96</b>	<b>X-outside Sec-7r</b>	<b>NA</b>
<b>Old Town Master Plan Update -ACF</b>	<b>Sheet 3</b>	<b>N/A</b>	<b>1-29-2001</b>	<b>100-4 year</b>	<b>497.9</b>

**SECTION II FLOODPROOFING INFORMATION (By a Registered Professional Engineer or Architect)**

**Floodproofing Design Elevation Information:**

Building is floodproofed to an elevation of **497.4** feet NGVD. (Elevation datum used must be the same as that on the FIRM.)

Height of floodproofing on the building above the lowest adjacent grade is **12.5** feet.

(NOTE: for insurance rating purposes, the building's floodproofed design elevation must be at least one foot above the Base Flood Elevation to receive rating credit. If the building is floodproofed only to the Base Flood Elevation, then the building's insurance rating will result in a higher premium.)

**SECTION III CERTIFICATION (By a Registered Professional Engineer or Architect)**

**Non-Residential Floodproofed Construction Certification:**

I certify that based upon development and/or review of structural design, specifications, and plans for construction that the design and methods of construction are in accordance with accepted standards of practice for meeting the following provisions:

The structure, together with attendant utilities and sanitary facilities, is watertight to the floodproofed design elevation indicated above, with walls that are substantially impermeable to the passage of water.

All structural components are capable of resisting hydrostatic and hydrodynamic flood forces, including the effects of buoyancy, and anticipated debris impact forces.

I certify that the information on this certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME <b>RICHARD C. ANDERSON AIA</b>	LICENSE NUMBER (or Affix Seal) <b>B-1267</b>
TITLE <b>OWNER</b>	COMPANY NAME <b>ANDERSON ARCHITECTS</b>
ADDRESS <b>422 E. OAK ST.</b>	CITY <b>FORT COLLINS</b>
SIGNATURE <i>[Signature]</i>	STATE <b>CO.</b>
	ZIP <b>80524</b>
	DATE <b>Aug. 10, 2001</b>
	PHONE <b>970/484-0306</b>

Copies should be made of this Certificate for: 1) community official, 2) insurance agent/company, and 3) building owner.



# ANDERSON ASSOCIATES

## EXHIBIT 1

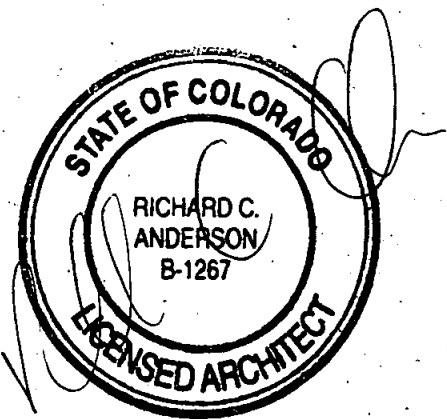
Flood Control Documents  
Rhythms Bar & Grill  
334 East Mountain Avenue  
Fort Collins, Co. 80524

The following flood control procedures and prevention devices are to be implemented at the Rhythms Bar and Grill project. Exhibit 2 illustrates flood gate locations. The flood gates are to be installed per details illustrated on Exhibits 3 and 4. Exhibits 5 and 6 document the signage to be permanently located in the building.

The height elevation required for flood prevention has been determined to be 2'-7" above the existing first floor elevation (Top of Concrete). A waterproof membrane is to be installed to this height elevation behind all newly installed brick and synthetic stucco veneers. Locations are shown on the attached Floor Plan with heavy dashed lines. The waterproof membrane is to equal to the .045 inch thick reinforced EDPM Membrane manufactured by Sure-Seal. The alcove area adjacent to the southwest entrance is to have a waterproofing coating equal to Drylok Masonry Waterproofing to the height elevation 2'-8" above the concrete floor. The stairs and risers are to be seated and flood resistant to this 2'-8" height at this alcove area.

As the Architect of Record we will be required to verify that the flood control measures have been performed. Thus contact Anderson Associates prior to covering up any applications of the flood control devices (i.e.: sealing and membrane applications).

Attachments:  
Exhibits 2 through 9



Aug. 12, 2001

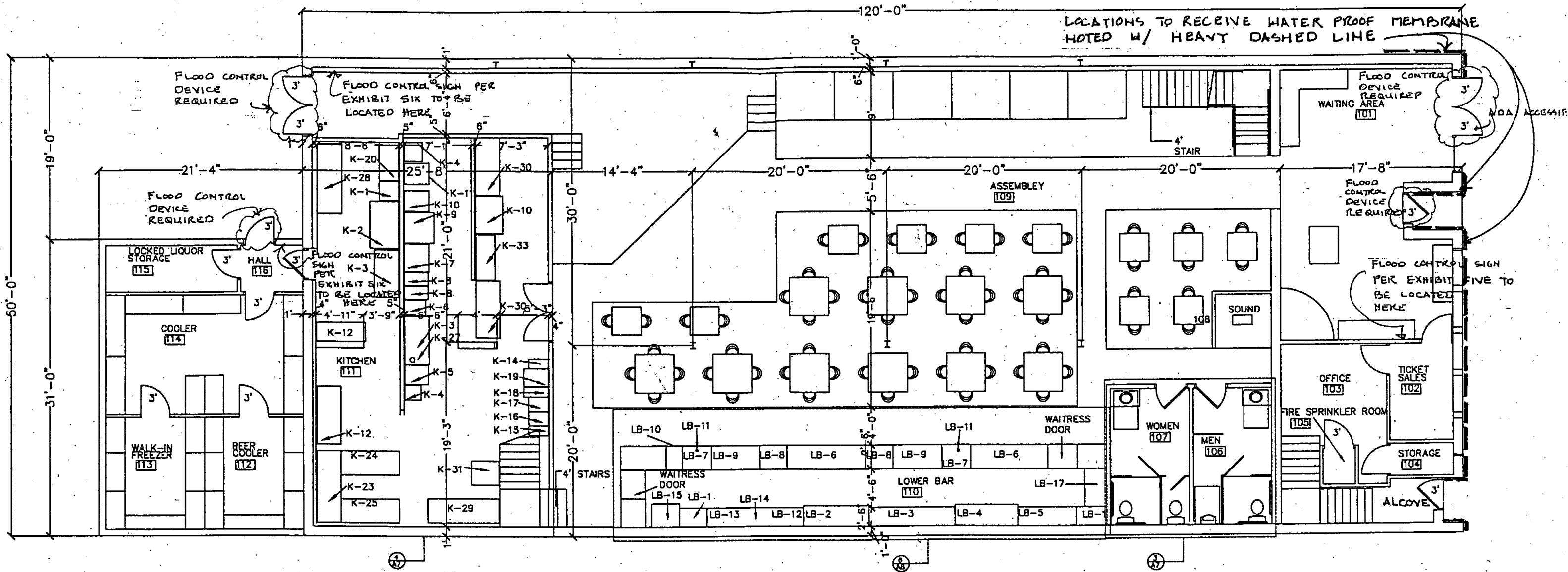


ARCHITECTS • PLANNERS • CONSTRUCTION MANAGERS

422 EAST OAK STREET • FORT COLLINS, COLORADO 80524 • (970) 484-0306

RHYTHMS BAR AND GRILL  
 334 EAST MOUNTAIN AVENUE  
 FORT COLLINS, CO.

EXHIBIT 2



2 MAIN LEVEL FLOOR PLAN  
 A3 SCALE: 1/8" = 1'-0"

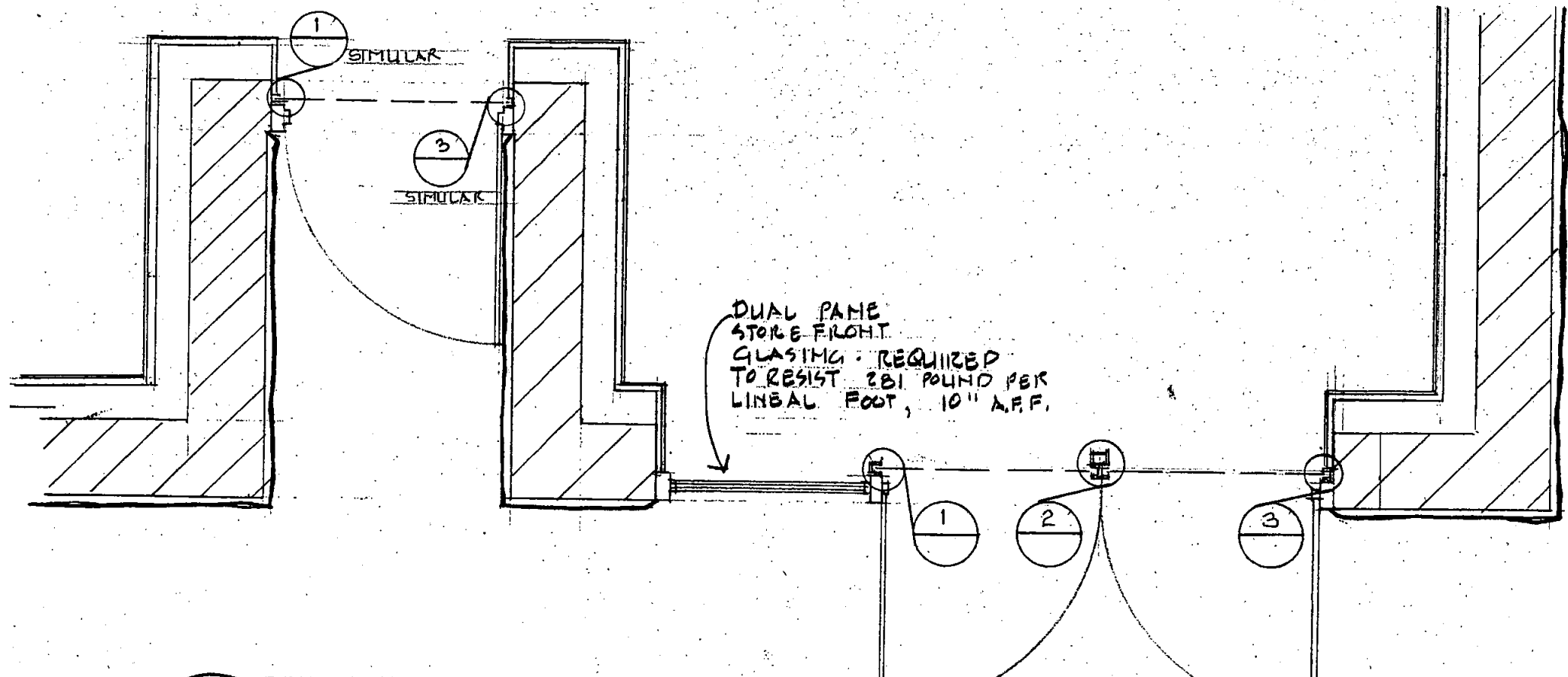


REVISIONS

DRAWN  
DA

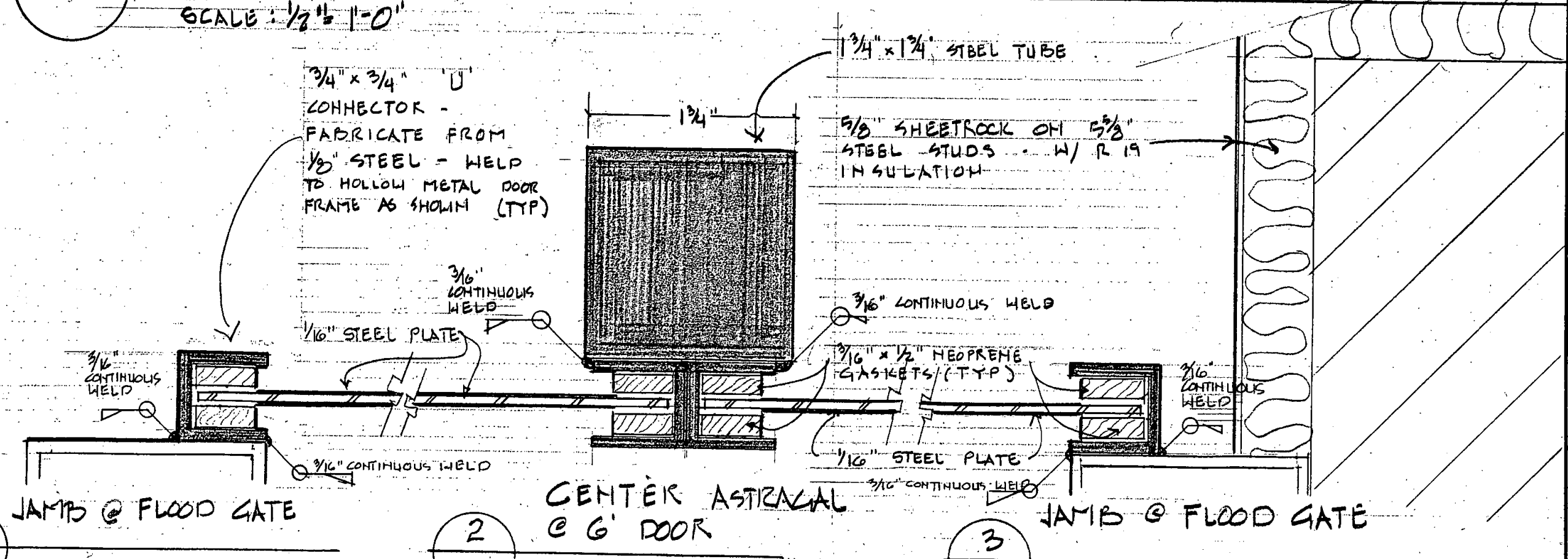
CHECKED  
PAT GLANTZ/TIM ROBERTS

DATE  
AUG 8, 2001



4 SOUTHEAST ENTRY'S FLOOD GATE DETAILS (OTHER ENTRIES SIMILAR - SEE LOCATION PLAN ATTACHED)

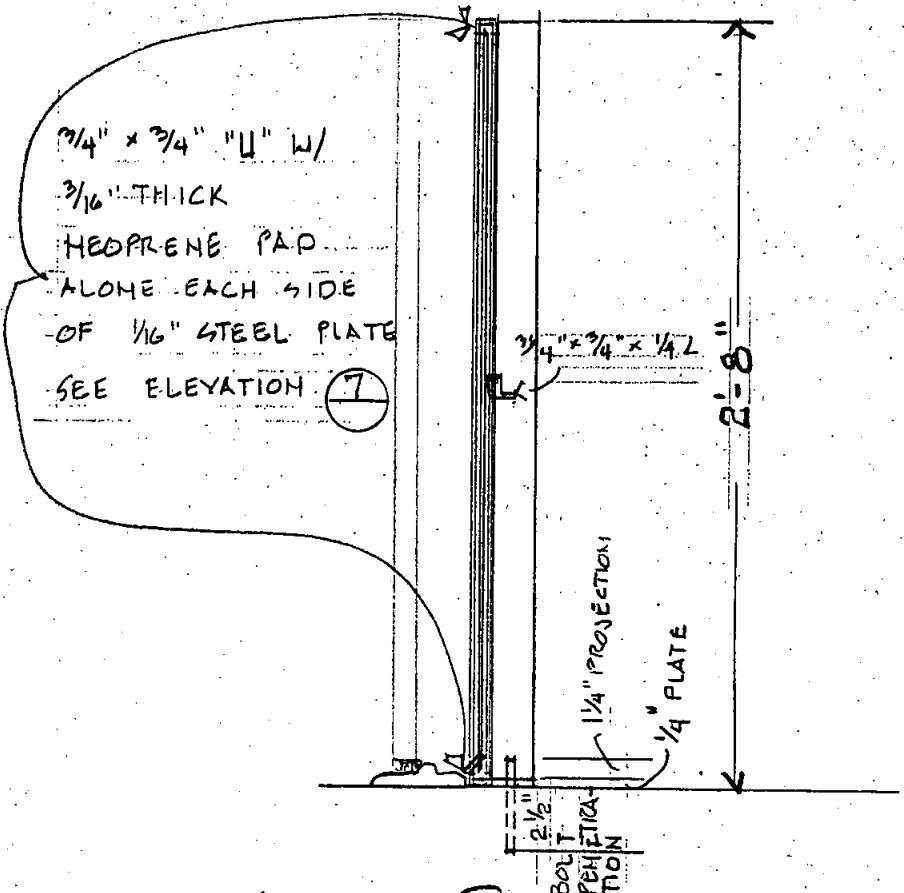
SCALE: 1/2" = 1'-0"



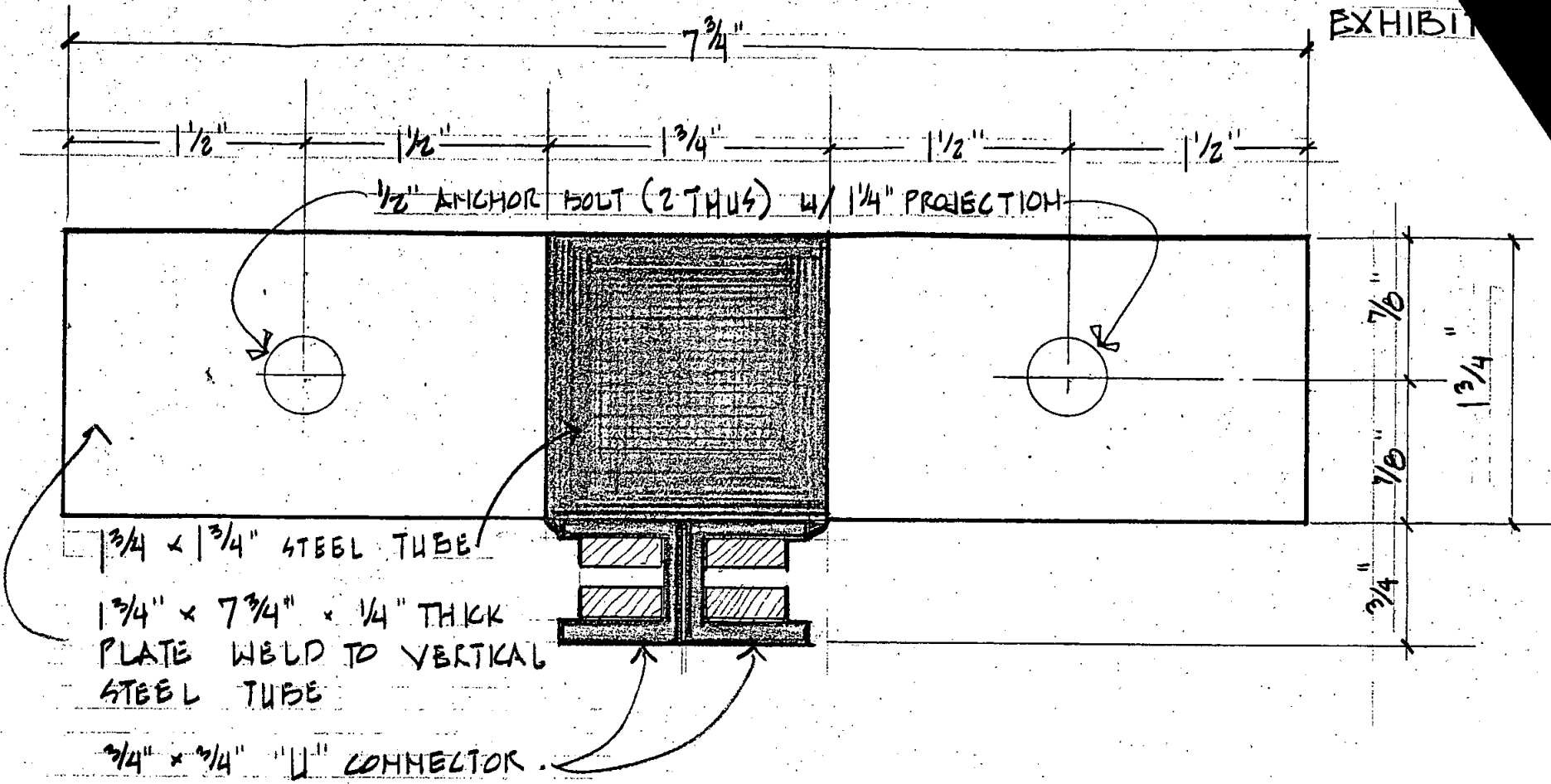
AA  
ANDERSON ASSOCIATES

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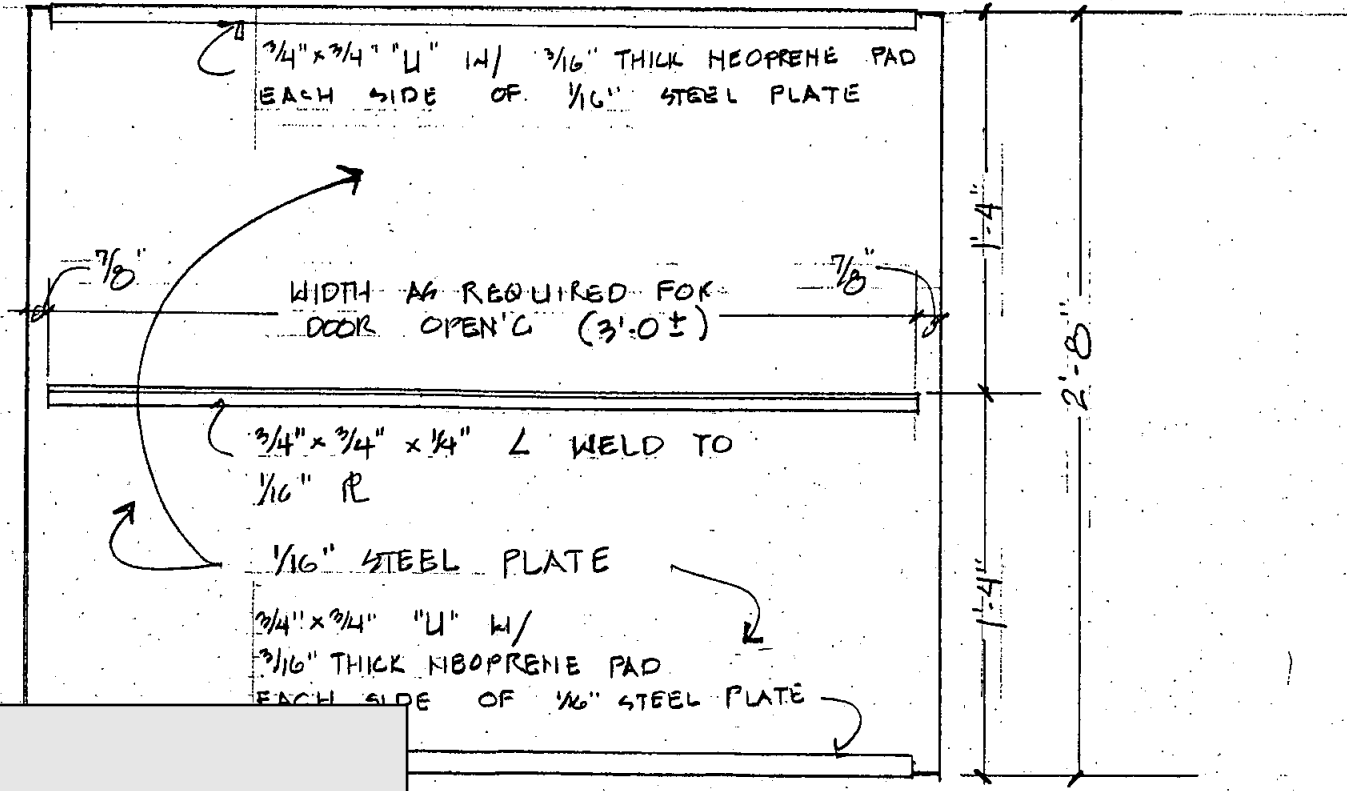
JOB RHYTHMS  
334 E MOUNTAIN AV.  
SHEET



SECTION @  
F CENTER STEEL TUBE  
1/2" = 1'-0"



G BASE PLATE DETAIL FOR SUPPORT OF CENTER STEEL TUBE  
SCALE = 'FULL'



7 ELEVATION @ STEEL PLATE

Rhythms Bar & Grill  
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**EXHIBIT FIVE**

A sign shall be posted at the west wall of the waiting area:

**FLOOD CONTROL**

**THIS BUILDING HAS FLOOD RESISTANT FEATURES.**

**FLOOD CONTROL DEVICES ARE TO BE INSTALLED AT EACH EXTERIOR ENTRANCE DURING PERIODS OF FLOOD THREAT TO THIS BUILDING. \***

**FLOOD CONTROL DEVICES ARE STORED IN THE ADJACENT MANAGERS OFFICE.**

**INSTRUCTIONS FOR INSTALLATION OF THESE DEVICES ARE ATTACHED TO THE DEVICES.**

**\* SOUTHWEST ENTRY HAS NO CONTROL DEVICE, THE ALCOVE AREA HAS FLOOD RESISTANT SEALING FEATURES.**

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**EXHIBIT SIX**

A sign shall be posted at the wall next to rear west doors and the storage area exit door where the Flood Gates are to be installed. The signs (2 thus) shall be as follows:

**FLOOD CONTROL**

**THIS BUILDING HAS FLOOD RESISTANT FEATURES.**

**FLOOD CONTROL DEVICES ARE TO BE INSTALLED AT DOOR OPENINGS DURING PERIODS OF FLOOD THREAT TO THIS BUILDING. THESE DEVICES ARE A CRITICAL COMPONENT OF THE FLOOD CONTROL SYSTEM FOR THIS BUILDING.**

**FLOOD CONTROL DEVICES ARE STORED IN THE MANAGERS OFFICE, SOUTH END FIRST FLOOR.**

**INSTRUCTIONS FOR INSTALLATION OF THESE DEVICES ARE ATTACHED TO THE DEVICES.**

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## EXHIBIT SEVEN

The following sign is to be placed on the Flood Gates placed at the 3'-0" doors (Two Thus):

### **INSTALLATION PROCEDURE**

**PLACE GATE SQUARELY INTO "U" BRACKET SO THE BOTTOM PAD IS TIGHT TO THE FLOOR. USE CAUTION NOTE TO DAMAGE PADS AT THE SIDE "U" BRACKETS RECEIVING THE GATE.**

The following sign is to be placed on the Flood Gates placed at the 6'-0" doors (Two Thus):

### **INSTALLATION PROCEDURE**

**TWO GATES AND ONE CENTER POST REQUIRED FOR 6'-0" DOOR OPENING. CENTER POST REQUIRES THE INSTALLATION OF THE TWO ½" BOLTS ATTACHED TO THE CENTER POST BASE PLATE. INSTALL THE CENTER POST BY BOLTING THE BASE PLATE TO THE PRETHREADED HOLES FOUND AT THE CENTER OF THE 6'-0" DOOR OPENING (ADJACENT AND TO THE INSIDE OF THE DOORS THRESHOLD). WITH CENTER POST INSTALLED, PLACE GATES SQUARELY INTO "U" BRACKET SO THE BOTTOM PAD IS TIGHT TO THE FLOOR. . USE CAUTION NOTE TO DAMAGE PADS AT THE SIDE "U" BRACKETS RECEIVING THE GATE.**



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## EXHIBIT EIGHT

The following Emergency Action Plan is to be placed in the company's procedural manual:

# EMERGENCY ACTION PLAN

**The Bar Manager is responsible for implementation of the flood gate emergency action plan. The flood gate emergency action plan involves the following action:**

- **In the event of a flood warning the Bar manager is to have the flood gates set adjacent to the building entrance locations and prepared to install the gates.**
- **The Bar Manager will make the determination as to when the gates should actually be installed. Once the gates are installed the Bar Manager will assign an employee to monitor the four entrance locations where the flood gates are located. If the Bar and Grill is not open for business, the Bar Manager alone will monitor the Flood Gates and assure that they are properly in place. The Bar Manager will make the decision if it is necessary to remain at the property to monitor the flood or if the storefront doors and glazing may be closed and the building locked.**
- **The Bar Manager is to check the functionality of the Flood Gates and assure that they are located in the Manager's Office. This functionality check is to occur May 1<sup>st</sup> and September 1<sup>st</sup> of each year. The Emergency Action Plan is to be implemented from May 1<sup>st</sup> to September 1<sup>st</sup> of each year.**

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## EXHIBIT NINE

The following Flood Gate Maintenance and Inspection Plan is to be placed in the company's procedural manual:

# FLOOD GATE MAINTENANCE AND INSPECTION PLAN

**The Bar Manager is responsible for maintaining and inspecting the flood gates. When inspecting the flood gates, the following is to be verified:**

- **Inspect and verify that all flood gate items necessary for the two 3'-0" doors and for the two 6'-0" doors are located in the managers office. The items necessary are six flood gates, two posts with base plates, and four ½" threaded bolts.**
- **At each door location the "U" supports are to be inspected for stability and the welds secure to the door frames.**
- **Neoprene Pads to be checked for attachment to the "U" supports. Repair of the damaged neoprene pads is to be made as necessary. Inspection of the top and bottom "U" bracing members at the 1/16" steel plates required. The top and bottom "U" bracing members are to be secure and tight at the 1/16" plate. Inspect the brace angle at the center of the 1/16" plate. Verify that the angle is secure and tight to the 1/16" plate.**
- **Inspect the ½" threaded holes at each of the 6'-0" doors. Verify that the threads are clear and able to receive the support posts. (Two threaded holes exist adjacent to the threshold at the 6'-0" door locations)**
- **Inspect the Alcove adjacent to the southeast entrance. The Alcove is required to have a waterproofed wall 2'-8" above the floor. Inspect the waterproofing condition of the east and west walls and the treads and risers at the stairs. Repair any damage that may exist at this waterproofed area.**
- **Inspect the three signs identifying the flood gate locations. Verify that the signs are intact and able to be read.**

**The Bar Manage is to perform the inspections the 1<sup>st</sup> of May, the 15<sup>th</sup> of July, and the 1<sup>st</sup> of September of each year. With-in 10 dates of the inspection any necessary repair is to be completed of problem issues discovered during the inspection.**