



CITY OF HOUSTON

Administration and Regulatory Affairs Department
Strategic Purchasing Division

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Mayor

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<https://purchasing.houstontx.gov>

November 29, 2010

Subject: Letter of Clarification No. 2 to Invitation to Bid No. S50-C23778 for Replacement of a Pneumatic Ejector System for the Public Works and Engineering Department

To: All Prospective Bidders:

This letter of Clarification is being issued for the following reasons:

- To revise the specifications and provide additional mechanical drawings

SECTION C - SCOPE OF WORK/SPECIFICATIONS

- 1.) Remove pages 3 & 8, of 21 and replace with the attached revised pages 3 & 8 of 21 marked **REVISED 11/10/2010**.
- 2.) Add pages 10 & 11 of 21, Mechanical Drawings, marked **ADDED 11/29/2010**.

Note: No further questions will be accepted after the publication of this Letter of Clarification.

When issued, Letter(s) of Clarification shall automatically become a part of the bid documents and shall supersede any previous specification(s) and/or provision(s) in conflict with the Letter(s) of Clarification. It is the responsibility of the bidders to ensure that it has obtained all such letter(s). By submitting a bid on this project, bidders shall be deemed to have received all Letter(s) of Clarification and to have incorporated them into this solicitation.

Furthermore, it is the responsibility of each Contractor to obtain any previous Letter of Clarification associated with this solicitation.

Arturo Lopez

Arturo Lopez
Senior Procurement Specialist
832-393-8731

- Attachments:
1. Revised pages 3 & 8 of 21 marked **REVISED 11/10/2010**.
 2. Added pages 10 & 11 of 21 marked **ADDED 11/29/2010**.

Partnering to better serve Houston

**S-50-C23765 – LETTER OF CLARIFICATION NO. 2
REPLACEMENT OF A PNEUMATIC EJECTOR SYSTEM
FOR THE PUBLIC WORKS AND ENGINEERING DEPARTMENT**

REVISED 11/10/2010

SECTION A

Documents/forms must be downloaded from the City's Website
<http://purchasing.houstontx.gov>

Additional Required Forms to be Included with this bid:

In addition to the electronic Bid Form and the Official Signature Page, the Forms listed in Table 1 **must be completed and submitted to the Office of the City Secretary on or before the date and time the bid is due:**

<i>Table 1</i>
<i>Affidavit of Ownership</i>
<i>Fair Campaign Ordinance</i>
<i>Statement of Residence</i>
<i>Conflict of Interest Questionnaire</i>
<i>10% Bid Bond</i>
<i>Contractor References</i>

Table 2 lists other documents and forms that should be viewed/downloaded from the City's website, but are not required to be submitted with the bid. The City will request these forms, as applicable, to be completed and submitted to the City by the recommended/successful bidder:

<i>Formal Instructions for Bid Terms</i>
<i>Sample Insurance Certificate / Over \$50,000</i>
<i>Sample Insurance Certificate / Construction OCP Policy</i>
<i>2010 Engineering Construction Wage Rate</i>
<i>Bonds for Construction, (Performance, Maintenance and Statutory Payment)</i>
<i>Drug Forms</i>

Questions concerning the Bid should be submitted in writing to: City of Houston, Strategic Purchasing Division, 901 Bagby, Room B405, Houston, TX 77002, Attn: Arturo Lopez or via fax: 832-393-8759 or via email (preferred method) to arturo.lopez@houstontx.gov no later than **4:00 PM, Friday, November 12, 2010.**

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6.0 Air Exhaust Piping:

REVISED 11/29/2010

6.1 An exhaust line one size larger than the exhaust valve shall be run downgrade to the low level manhole, exhaust ventilating duct, or independent vent to atmosphere, at a point above any possible high water level. Air exhaust shall not be run into a plumbing vent.

7.0 Fittings - Duplex Units:

7.1 The duplex ejector system shall provide two ejectors, compressors, motors and automatic controls for a duplex ejector installation. The system shall also provide a center inlet and standard discharge cross connections to provide a common inlet and a common discharge.

7.2 The flood tight hatches must be custom made with a combination of aluminum and stainless steel material-nuts and bolts shall be strictly made of stainless steel.

7.3 Other features shall consist of staple for padlock, lifting handle placed at midpoint of entire handle length.

7.4 The Contractor is encouraged to visit site of installation to verify appropriate dimensions.

8.0 Control Panel:

8.1 The control panel must be a wall mount, stand-alone NEMA 4X stainless steel enclosure, preferred installation to be within a close proximity or adjacent to the existing concrete building.

9.0 Mechanical Drawing:

9.1 The mechanical drawings of the Series 4000, Expelsor Pneumatic Ejector System can be viewed beginning on page 9 of 21.

A PDF version of the Mechanical Drawing can be viewed on the following web link
<https://purchasing.houstontx.gov/buyer/BidDocumentManager.aspx?id=C23778>

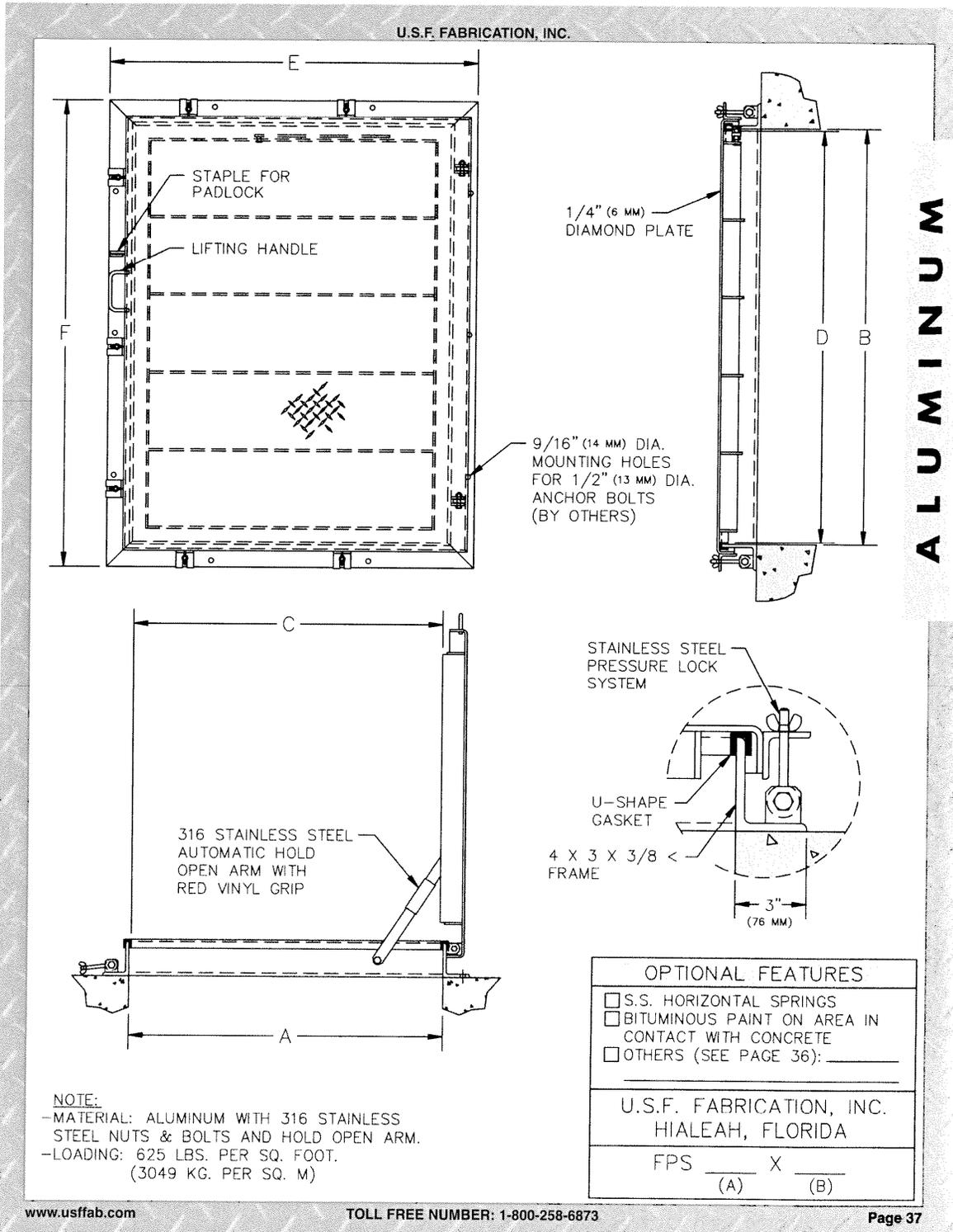
10.0 Specified Equipment, or Equivalent:

10.1 Wherever in the specifications any materials or processes are indicated or specified by patent or proprietary name and/or by name of manufacturer, such specifications shall be deemed to be used for the purpose of facilitating descriptions of the performance, materials and/or processes desired and shall be deemed to be followed by the words, "or equivalent", if not so stated in the specifications herein.

10.2 The burden of proof shall rest with the bidder, in the course of a technical evaluation, to prove that the proposed item(s) are equivalent to the performance, materials, processes, or articles specified. DETERMINATION AS TO WHETHER THE ITEM (S) BID IS (ARE) EQUIVALENT TO THOSE SPECIFIED SHALL REST SOLELY WITH THE CITY PURCHASING AGENT AND THE RECEIVING DEPARTMENT.

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ADDED 11/29/2010



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U.S.F. FABRICATION, INC.

**RECESSED
ANGLE FRAME, PEDESTRIAN LOADING, SINGLE DOOR**

ALUMINUM

The recessed angle frame floor access door is designed for interior and exterior applications where watertightness is not required. It has a 1/8-inch recess to receive tile or carpet.

SPECIFICATIONS: The recessed floor access door shall be Model R-APS as manufactured by U.S.F. Fabrication, Inc. with the size being specified on the plans. Door leaf shall be 1/4-inch thick aluminum smooth plate reinforced for a 150 p.s.f. live load; and, have a 1/8-inch recess to receive tile or carpet. Both cover and frame shall have a metal lip around the entire perimeter defining the recess. The frame shall be extruded aluminum with an integral door seat on all four sides which has a groove to receive a cushion for noise dampening. The floor access door shall be equipped with a 316 stainless steel hold open arm with red vinyl grip that automatically keeps the cover in its upright, open position. The door shall have hinges that are not visible when the door is closed. The door shall have 316 stainless steel torsion bars to assist in opening the door and reducing the force during closing. The door shall be equipped with a watertight 316 stainless steel slamlock with threaded plug, removable outside key, and fixed inside handle. The slamlock latches onto a 316 stainless steel striker plate that is bolted to the frame. All parts of the frame in contact with concrete shall have a coating of bituminous paint. Installation shall be in accordance with the manufacturer's attached instructions. The door shall be manufactured and assembled in the United States. Manufacturer shall guarantee the door against defects in materials and workmanship for a period of ten years.

OPTIONAL FEATURES

- > Recessed cylinder lock, see page 78
- > Frame skirts for easy casting into a concrete top slab, see page 78
- > Nut rails with stainless steel sliding nuts for attaching cable holders, brackets & other hardware, see page 85
- > Anodized finish, see page 80
- > Fiberglass insulation with metal liner, see page 80
- > Stainless steel safety chains with aluminum support posts, see page 80
- > Fall Through Prevention Systems, see pages 82-83
- > Double door cover

150 P.S.F. LOADING

MODEL	COVER THK	FRAME OPENING***		COVER RECESS**		OVERALL SIZE		WEIGHT*
	in. (mm)	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	
R-APS	1/4 (6)	26 1/8 (664)	22 3/4 (578)	24 (610)	24 (610)	31 1/8 (791)	28 3/4 (730)	45 (20)
R-APS	1/4 (6)	26 1/8 (664)	28 3/4 (730)	24 (610)	30 (762)	31 1/8 (791)	34 3/4 (883)	50 (23)
R-APS	1/4 (6)	26 1/8 (664)	34 3/4 (883)	24 (610)	36 (914)	31 1/8 (791)	40 3/4 (1035)	60 (27)
R-APS	1/4 (6)	32 1/8 (816)	28 3/4 (730)	30 (762)	30 (762)	37 1/8 (943)	34 3/4 (883)	60 (27)
R-APS	1/4 (6)	32 1/8 (816)	34 3/4 (883)	30 (762)	36 (914)	37 1/8 (943)	40 3/4 (1035)	70 (32)
R-APS	1/4 (6)	32 1/8 (816)	46 3/4 (1187)	30 (762)	48 (1219)	37 1/8 (943)	52 3/4 (1340)	85 (39)
R-APS	1/4 (6)	38 1/8 (968)	34 3/4 (883)	36 (914)	36 (914)	43 1/8 (1095)	40 3/4 (1035)	75 (34)
R-APS	1/4 (6)	38 1/8 (968)	46 3/4 (1187)	36 (914)	48 (1219)	43 1/8 (1095)	52 3/4 (1340)	95 (43)
R-APS	1/4 (6)	44 1/8 (1121)	40 3/4 (1035)	42 (1067)	42 (1067)	49 1/8 (1248)	46 3/4 (1187)	95 (43)

*Weight shown is of our standard hatch only, and does not include any optional features. **Dimensions of recessed area in the cover that receive the tile. ***Also referred to as "Concrete Opening" when door is cast into concrete.

CUSTOM SIZES READILY AVAILABLE

We reserve the right to modify specifications and drawings without prior notice.