

# PROGRESSIVE COMMERCIAL AQUATICS

A LANDMARK AQUATIC COMPANY

## City of Jersey Village

Date: 1/8/2024

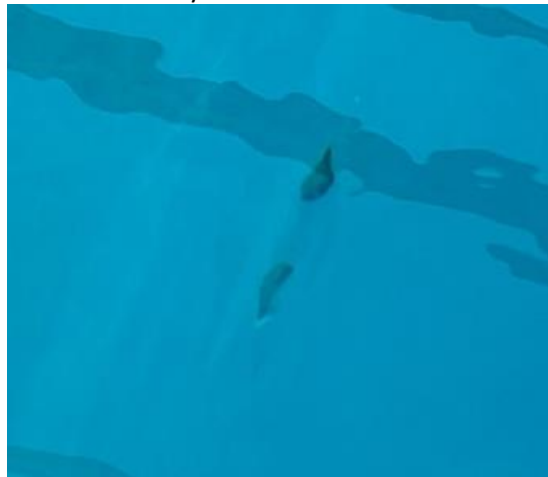
- LAP POOL

- General Observations:

- Tile/Coping: There are numerous areas where tile is popping off and coping is either broken and/or not attached to deck. Broken coping and moving coping can be a tripping hazard. There appears to be a significant amount of movement around the pool, decking is cracking as well.
  - Quote for replacing tile and coping \$ 39, 675.00\*Please note that is there is major ground/earth movement occurring this could remain an on going problem.



- Plaster: Plaster is in ok to poor condition. There is pitting scattered throughout the pool. There are areas where plaster is falling off – corners specifically. There is a significant crack in the deep end and pop ups that expose the concrete shell. Per operators, the pool is constantly having to be filled, even in off season. This is indicative of a leak. PCA highly recommends having leak detection done. Per code XXXXXXXX –
  - Quote for new quartz plaster \$106, 400.00
  - Estimate for leak detection \$3000-5000. Can get an official quote is requested.
  - There are also broken steps present that need to be fix before any patrons enter the water. This is a safety issue.



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- BABY POOL
  - General Observations:
    - Tile/Coping: There are numerous areas where tile is popping off and coping is either broken and/or not attached to deck. Broken coping and moving coping can be a tripping hazard. There appears to be a significant amount of movement around the pool, decking is cracking as well. Quote to replace is included in Lap Pool tile/coping quote above.
    - Chemical Feed System: There is currently NO automatic chemical controller. This is not best practice. Per code XXXXXXXXXXXXX. Quote for automatic chemical controller \$5000\*electrical not included. New chemical system will also need to be installed, at a minimum stenner pumps will be need for chlorine and acid, \$800\*electrical not included.
    - Chemicals & General Pump area: The pump area is not gated or secured. This is not best practice. Chemical feed system and chemicals may also be in this area. This should be gated so that no patrons can gain access.
    - Backwash: Per operators, the backwash line for the baby pool system drain into flood, not sewer. This is not to code. Backwash water should be directed to sewer and be treated like waste. The cost to bring this to code is unknown. Sewer would have to be located, and a plumber to provide cost.

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- LAP POOL PUMP HOUSE
  - General Observations:
    - Turnover Rates:
      - Pool volume: 250,000 gallons
      - Pump suction –6” Schedule 80 PVC Pipe – Maximum allowable flow at 6 Ft/ Sec – 487 GPM
      - Filtered return –4” Schedule 80 PVC Pipe – Maximum allow flow at 10 Ft/Sec -358 GPM
      - Current Filtration – (2) Water Co. SMF1400 – 55’ – Each filter has 7 Ft<sup>2</sup> of filtration or 21 Ft<sup>2</sup> Total
      - Current pump – Pentair EQ 7.5 HP
      - Flow rate on flow meter = 300 GPM (observed)
        - PRE-1999 CONSTRUCTION ( Facility Qualifies ) :
          - 250,000 gal /8 hr turnover = 31,250 gallons per hour (Max 8 hour turnover)
          - 31,250 gph /60 min = 520 gpm – minimum allowable flow rate for PRE-1999 Pools
          - 15 gpm/sq ft x 21 sq ft = 315 gpm (Recommended filtration rate)
          - 20 gpm/sq ft x 21 sq ft = 420 gpm (Max allowed filtration rate per NSF Listing)
        - POST-1999 CONSTRUCTION
          - 250,000 gal /6 hr = 41,666 gallons per hour (Max 6 hour turnover)
          - 41,666 gph/60 min = 694 GPM
          - 15 gpm/sq ft x 21 sq ft = 315 gpm (Recommended filtration rate)
          - 20 gpm/sq ft x 21 sq ft = 420 gpm (Max allowed filtration rate per NSF Listing)
    - Chemical Venting: Upon entry the chemical fumes were extremely overwhelming. This is not but practice and may be harmful to operators. Outside of being harmful to operators, the corrosiveness of muriatic acid is extremely harmful to the build and equipment. You can see from the photos below that the fumes are attacking every metal surface. Items being visibly affected:
      - Main power entering pump house – the main conduit is being extremely corroded. This may start to cause electrical issues.
      - Bolts/supports – every bolt and metal support on pool pump equipment is heavily corroded this will eventually lead to issues/effect the integrity of the bolts and supports.
      - VFD, Controllers & Flow Meter – The VFD has extensive corrosion. The fumes are most likely attacking all the electronic parts with in the controller as well. The flow meter is not operational, it is believed that the connection wire has corroded out. Further investigation is required to see if flow meter itself is also affected by corrosion. A flow meter is required by Texas code. Venting of acid fumes could lead to thousands of dollars of damage.

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- MISC
  - Ensure that entrance building, and bath house is ADA compliant.
  - Ensure that all chemicals are stored where patrons do not have access to them.

Erica Peace  
Director of Sales

**Progressive Commercial Aquatics, LLC**

2510 Farrell Rd  
Houston, TX 77073

281-982-0212



# Invoice

**Invoice #:** I28760  
**Date:** 3/26/2024  
**Shipping Method:**  
**Salesperson:** carlos  
**Sales Order #:** S29218  
**Customer PO #:**

**Bill To** City of Jersey Village (JERSEY)  
Isaac Rincons  
16501 Jersey Drive  
irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

**Ship To** City of Jersey Village (JERSEY)  
Isaac Rincons  
16501 Jersey Drive  
irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

**Phone** 713-466-2102

**Tax Group** 005

Item	Description	Qty	UOM	Unit Price	Tax	Total
NONSTOCK	In Wall Steps	3	EA	\$70.00	\$0.00	\$210.00
LABOR	Labor to remove old Steps & Install new steps	1	EA	\$1,000.00	\$0.00	\$1,000.00

EXMPT \$0.00

<b>Total</b>	<b>\$1,210.00</b>
<b>Tax Total</b>	<b>\$0.00</b>
<b>Grand Total</b>	<b>\$1,210.00</b>

There will be a 25% restocking fee on all returned items.  
Credit Card Purchases will include a 2% Service Fee  
Due to Material Shortages, Quotes are only valid for 60 days

**Thank you for your business**

Progressive Commercial Aquatics, Inc.

2510 Farrell Rd  
Houston, TX 77073

281-982-0212



# Invoice

Invoice #: I28380  
Date: 12/15/2023  
Shipping Method:  
Salesperson: carlos  
Sales Order #: S28677  
Customer PO #:

Bill To City of Jersey Village (JERSEY)  
Isaac Rincons  
16501 Jersey Drive  
irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

Ship To City of Jersey Village (JERSEY)  
Isaac Rincons  
16501 Jersey Drive  
irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

01-39-4007

Phone 713-466-2102

Tax Group 005

Item	Description	Qty	UOM	Unit Price	Tax	Total
NONSTOCK	Stainless Steel unistrut supports	1	EA	\$1,500.00	\$0.00	\$1,500.00
LABOR	Labor for Service Jobs	1	EA	\$650.00	\$0.00	\$650.00

EXMPT \$0.00

Total	\$2,150.00
Tax Total	\$0.00
Grand Total	\$2,150.00

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Credit Card Purchases will include a 2% Service Fee  
Due to Material Shortages, Quotes are only valid for 60 days

Thank you for your business

Progressive Commercial Aquatics, Inc.

2510 Farrell Rd  
Houston, TX 77073

281-982-0212



# Invoice

Invoice #: I25208  
Date: 1/31/2022  
Shipping Method:  
Salesperson: carlos  
Sales Order #: S25239  
Customer PO #:

Bill To City of Jersey Village (JERSEY)  
Josh Rodrigue  
16501 Jersey Drive  
jrodrigue@jerseyvillagetx.com  
Jersey Village, TX 77040

Ship To City of Jersey Village (JERSEY)  
Josh Rodrigue  
16501 Jersey Drive  
jrodrigue@jerseyvillagetx.com  
Jersey Village, TX 77040

01-39-4007

Phone 713-466-2102

*Isaac Recinos*

Tax Group 005

Item	Description	Qty	UOM	Unit Price	Tax	Total
NONSTOCK	4" Waterco Filter Bulkhead	2	EA	\$355.00	\$0.00	\$710.00
SAND 50#	Filter sand 50# bag	106	EA	\$14.50	\$0.00	\$1,537.00
GRAVEL 50#	Gravel for filter 50# bag	15	EA	\$14.50	\$0.00	\$217.50
LABOR	Labor for Service Jobs	1	EA	\$2,600.00	\$0.00	\$2,600.00
NONSTOCK	Old Media Haul Off	1	EA	\$350.00	\$0.00	\$350.00
GRAVEL 50#	Gravel for filter 50# bag	35	EA	\$0.00	\$0.00	\$0.00
NONSTOCK	Lateral	3	EA	\$45.00	\$0.00	\$135.00

EXMPT \$0.00

Total \$5,549.50  
Tax Total \$0.00  
Grand Total \$5,549.50

There will be a 25% restocking fee on all returned items.  
Credit Card Purchases will include a 4% Service Fee  
Due to Material Shortages, Quotes are only valid for 60 days

Thank you for your business

Progressive Commercial Aquatics, Inc.

2510 Farrell Rd  
Houston, TX 77073

281-982-0212



# Invoice

Invoice #: I28219  
Date: 11/3/2023  
Shipping Method:  
Salesperson: carlos  
Sales Order #: S28280  
Customer PO #:

Bill To City of Jersey Village (JERSEY)  
Isaac Rincons  
16501 Jersey Drive  
irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

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irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

*Isaac Rincons*

Phone 713-466-2102

01-39-4007

Tax Group 005

Item	Description	Qty	UOM	Unit Price	Tax	Total
NONSTOCK	4" Bulkhead (12221000A)	1	EA	\$125.00	\$0.00	\$125.00
NONSTOCK	4"-6" PVC Parts & Materials	1	EA	\$450.00	\$0.00	\$450.00
LABOR	Labor for Service Jobs	1	EA	\$975.00	\$0.00	\$975.00
FREIGHT	Freight charges	1	EA	\$45.00	\$0.00	\$45.00

EXMPT \$0.00

Total \$1,595.00  
Tax Total \$0.00  
Grand Total \$1,595.00

There will be a 25% restocking fee on all returned items.  
Credit Card Purchases will include a 2% Service Fee  
Due to Material Shortages, Quotes are only valid for 60 days

Thank you for your business



Progressive Commercial Aquatics, Inc.

2510 Farrell Rd  
Houston, TX 77073

281-982-0212



# Invoice

Invoice #: I28219  
Date: 11/3/2023  
Shipping Method:  
Salesperson: carlos  
Sales Order #: S28280  
Customer PO #:

Bill To City of Jersey Village (JERSEY)  
Isaac Rincons  
16501 Jersey Drive  
irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

Ship To City of Jersey Village (JERSEY)  
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Jersey Village, TX 77040

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Tax Group 005

Item	Description	Qty	UOM	Unit Price	Tax	Total
4"x6" Reducer (1)						
6" 90° (1)						
6" Flange (1)						
6" Coupling (1)						
6" Tee (1)						
Glue & Primer (1qt Ea)						

EXMPT \$0.00

Total \$1,595.00  
Tax Total \$0.00  
Grand Total \$1,595.00

There will be a 25% restocking fee on all returned items.  
Credit Card Purchases will include a 2% Service Fee  
Due to Material Shortages, Quotes are only valid for 60 days

Thank you for your business

Progressive Commercial Aquatics, Inc.

2510 Farrell Rd  
Houston, TX 77073

281-982-0212



# Invoice

Invoice #: I27017  
Date: 2/24/2023  
Shipping Method:  
Salesperson: carlos  
Sales Order #: S27227  
Customer PO #:

Bill To City of Jersey Village (JERSEY)  
Isaac Rincons  
16501 Jersey Drive  
irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

Ship To City of Jersey Village (JERSEY)  
Isaac Rincons  
16501 Jersey Drive  
irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

Phone 713-466-2102

Tax Group 005

Item	Description	Qty	UOM	Unit Price	Tax	Total
NONSTOCK	Lateral Kit (SMD1400-LAT4)	1	EA	\$325.00	\$0.00	\$325.00
SAND 50#	Filter sand 50# bag	106	EA	\$14.50	\$0.00	\$1,537.00
GRAVEL 50#	Gravel for filter 50# bag	10	EA	\$14.50	\$0.00	\$145.00
LABOR	Labor for Service Jobs	1	EA	\$3,200.00	\$0.00	\$3,200.00
NONSTOCK	Old Media Haul Off	1	EA	\$500.00	\$0.00	\$500.00

EXMPT \$0.00

Total \$5,707.00  
Tax Total \$0.00  
Grand Total \$5,707.00

There will be a 25% restocking fee on all returned items.  
Credit Card Purchases will include a 2% Service Fee  
Due to Material Shortages, Quotes are only valid for 60 days

Thank you for your business

Progressive Commercial Aquatics, LLC

2510 Farrell Rd  
Houston, TX 77073

281-982-0212



# Invoice

Invoice #: I28640  
Date: 3/1/2024  
Shipping Method:  
Salesperson: carlos  
Sales Order #: S29062  
Customer PO #:

Bill To City of Jersey Village (JERSEY)  
Isaac Rincons  
16501 Jersey Drive  
irecinos@jerseyvillagetx.com  
Jersey Village, TX 77040

Ship To City of Jersey Village (JERSEY)  
Isaac Rincons  
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Jersey Village, TX 77040

01-39-4007

Phone 713-466-2102

Tax Group 005

*Isaac Recinos*

Item	Description	Qty	UOM	Unit Price	Tax	Total
NONSTOCK	PVC Parts & Materials	1	EA	\$225.00	\$0.00	\$225.00
LABOR	Labor for Service Jobs	1	EA	\$275.00	\$0.00	\$275.00

EXMPT \$0.00

Total	\$500.00
Tax Total	\$0.00
Grand Total	\$500.00

There will be a 25% restocking fee on all returned items.  
Credit Card Purchases will include a 2% Service Fee  
Due to Material Shortages, Quotes are only valid for 60 days

Thank you for your business