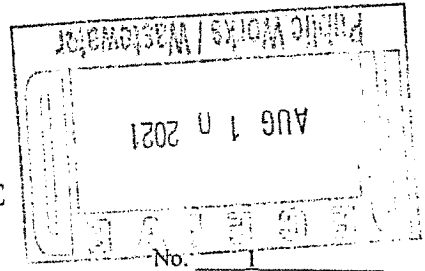


SECTION 00805
WORK CHANGE DIRECTIVE



DATE OF ISSUANCE 8/3/21 EFFECTIVE DATE 8/3/21

Owner: St. Charles Parish
Contractor: Byron E. Talbot Contractor, Inc.
Contract: 5th Street Drainage Improvements
Project: 5th Street Drainage Improvements
Owner's Contract No.: P190506 Engineer's Contract No.: 89282.1
ENGINEER: Shread-Kuvrkendall & Associates, Inc.

Contractor is directed to proceed promptly with the following change(s):
Description: Addition of a Police Detail for the opening of the School

Attachments: (List documents supporting change) CO#1A ^R *(Signature)*

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: *(check one)*

- ☐ Non-agreement on pricing of proposed change.
☒ Necessity to proceed for schedule or other project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$ 1980 [increase] [decrease]
Contract Time 0 days [increase] [decrease]

Basis of estimated change in Contract Price:

- ☐ Lump Sum ☐ Unit Price
☐ Cost of the Work ☐ Other

Recommended:	Limited Authorization By*:	Received:
By: <i>(Signature)</i>	By: <i>(Signature)</i>	By: <i>(Signature)</i>
Engineer (Authorized Signature)	Owner's Representative*	Contractor (Authorized Signature)
Title: <u>Engineer</u>	Title: <u>Director Public Works</u>	Title: <u>PRESIDENT</u>
Date: <u>8/9/21</u>	Date: <u>08/12/2021</u>	Date: <u>8-9-21</u>

*Owner's Representative is not authorized to finalize a Change Order nor does the Work Change Directive substitute the Change Order process as more fully set out in the General Conditions of the Construction Contract.

Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____

P.O. Box 5658 North Shore: 24288 Hwy. 190
Thibodaux, LA 70302 Robert, LA 70455
Phone: 985-447-5764 Phone: 985-419-9925
Fax: 985-448-0558 Fax: 985-419-9833
Louisiana State Contractor License #12198

TO: Shread-Kuyrkendall & Associates, Inc.
Steve Breeding
sbreeding@skaengr.com

DATE:	8/9/21	JOB NO.	21012
CHANGE ORDER			
REQUEST #		1A	
RE:	5th Street Drainage		

Item # / CC	Item Description	Quantity	Unit	Unit Price	Amount Requested
NEW	POLICE DETAIL (Includes 1 Policeman and 1 Unit)	36.00	HR	\$55.00	\$1,980.00
				Total	\$ 1,980.00

Additional days requested for this change order request: 0

This COR is for the cost to have a police detail present during the first 6 days of school at Norco Elementary. The cost covers 6 hours per day during the hours of 7:00 - 10:00 am and 1:30 - 4:30 pm as requested by St. Charles Parish.

Submitted by: Jarrold Fanguy
Title: Project Manager
Date: 8/9/21

Accepted: _____
Name: _____
Company: _____
Date: _____

SECTION 00805

WORK CHANGE DIRECTIVE

No. 2

DATE OF ISSUANCE 9/28/21 EFFECTIVE DATE 9/28/21

Owner: St. Charles Parish

Contractor: Byron E. Talbot Contractor, Inc.

Contract: 5th Street Drainage Improvements

Project: 5th Street Drainage Improvements

Owner's Contract No.: P190506 Engineer's Contract No.: 89282.1

ENGINEER: Shread-Kuyrkendall & Associates, Inc.

Contractor is directed to proceed promptly with the following change(s):

Description: Replace the Sewer Force Main due to interference with the drain line, using green 8" C-900 Pipe restrained.

Reason: Prior to construction, the waterline was marked as being in the path of construction and would need to be removed and relocated. This was not the case. Upon excavation, it was discovered that the waterline and sewer line were miss marked. The sewer line was marked as the waterline and vice versa. As a result, the sewer line will need to be replaced and relocated to avoid interference with the drain line.

The following line items will be added to the Contract:

1) 8" Sewer Line Tie-ins to Existing lines

Quantity: 2 Unit Price: \$3,850.00 (each) Unit Price Ext.: \$7,700.00

2) 8" Sewer line (Remove and Replace Existing 6")

Quantity: 480 Unit Price: \$52.00 (per LF) Unit Price Ext.: \$24,960.00

Attachments: (List documents supporting change) 5th Street Drainage Sewer Force Main Email

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: *(check one)*

☐ Non-agreement on pricing of proposed change.

☒ Necessity to proceed for schedule or other project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$ 32,660.00 [increase] [decrease]

Contract Time 0 days [increase] [decrease]

Basis of estimated change in Contract Price:

☐ Lump Sum

☒ Unit Price

☐ Cost of the Work

☐ Other

Recommended:	Limited Authorization By*:	Received:
By: <u>[Signature]</u>	By: <u>[Signature]</u>	By: <u>[Signature]</u>
Engineer (Authorized Signature)	Owner's Representative*	Contractor (Authorized Signature)
Title: <u>ENGINEER</u>	Title: <u>DPW Director</u>	Title: <u>PRESIDENT</u>
Date: <u>10/4/21</u>	Date: <u>10/12/24</u>	Date: <u>10-4-21</u>

*Owner's Representative is not authorized to finalize a Change Order nor does the Work Change Directive substitute the Change Order process as more fully set out in the General Conditions of the Construction Contract.

Approved by Funding Agency (if applicable)

By: _____ Date: _____

Title: _____

SECTION 00805

WORK CHANGE DIRECTIVE

No. 3

DATE OF ISSUANCE 11/1/21 EFFECTIVE DATE 11/1/21

Owner: St. Charles Parish

Contractor: Byron E. Talbot Contractor, Inc.

Contract: 5th Street Drainage Improvements

Project: 5th Street Drainage Improvements

Owner's Contract No.: P190506 Engineer's Contract No.: 89282.1

ENGINEER: Shread-Kuyrkendall & Associates, Inc.

Contractor is directed to proceed promptly with the following change(s):

Description: Install the 60" Model 452 Wall Mounted Flap Gate per proposal dated 10/5/21

Attachments: (List documents supporting change)

Proposal Dated 10/5/21 with attachments

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: *(check one)*

☐ Non-agreement on pricing of proposed change.

☒ Necessity to proceed for schedule or other project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price: \$ 48,200.00 [increase] [decrease]

Contract Time 76 days [increase] [decrease]

Basis of estimated change in Contract Price:

☒ Lump Sum

☐ Unit Price

☐ Cost of the Work

☐ Other

Recommended:	Limited Authorization By*:	Received:
By: <u>[Signature]</u>	By: <u>[Signature]</u>	By: <u>[Signature]</u>
Engineer (Authorized Signature)	Owner's Representative*	Contractor (Authorized Signature)
Title: <u>ENGINEER</u>	Title: <u>Director Public Works</u>	Title: <u>PRESIDENT</u>
Date: <u>11/3/21</u>	Date: <u>11/03/2021</u>	Date: <u>11-3-21</u>

*Owner's Representative is not authorized to finalize a Change Order nor does the Work Change Directive substitute the Change Order process as more fully set out in the General Conditions of the Construction Contract.

Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____

P.O. Box 5658 North Shore: 24288 Hwy. 190
Thibodaux, LA 70302 Robert, LA 70455
Phone: 985-447-5764 Phone: 985-419-9925
Fax: 985-448-0558 Fax: 985-419-9833
Louisiana State Contractor License #12198

TO: Shread-Kuyrkendall & Associates, Inc.
Steve Breeding
sbreeding@skaengr.com

DATE:	10/5/21	JOB NO.	21012
CHANGE ORDER			
REQUEST #		2	
RE:	5th Street Drainage		

Item # / CC	Item Description	Quantity	Unit	Unit Price	Amount Requested
NEW	60" MODEL 452 FLAP GATE	1.00	EA	\$ 21,400.00	\$ 21,400.00
NEW	HEADWALL	1.00	EA	\$ 26,800.00	\$ 26,800.00
				Total	\$ 48,200.00

Additional days requested for this change order request: 5

The COR pricing above is to install a headwall and flap gate at the end of the 60" CMP where it meets Engineer's Canal. Please advise on how you would like to proceed.

Submitted by: Jarrod Fanguy
 Title: Project Manager
 Date: 10/5/21

Accepted: _____
Name: _____
Company: _____
Date: _____

CONTRON

Location - Drawing Number :	Headwall - No.7
Quantity :	One (1)
Size - Model :	60" Wide x 60" High - Model 452 Flap Gate
Invert To Floor :	20 ft
Max Design Head :	20 ft seating
Description :	The Flap Gate will have the following features : Type SS304 stainless steel frame construction with neoprene lip seals mounted on the perimeter of the opening. Double hinge arms with stainless steel hinge pins and uhmw bushings. The valve is supplied with a 4° offset from the vertical.
Mounting Style :	Wall mounted with non-shrink grout and SS anchor studs.
Anchor Bolts :	5/8" anchor studs and nuts included.

21012 - HEADWALL COST BREAKDOWN

RATES ARE BASED ON BYRON E. TALBOT CONTRACTOR, INC.'s 2020 PUBLISHED WAGE RATES

LABOR USEAGE REPORT				
Resource / Classification	Hours		Rate	Total
Supervisor	32.00	HR	\$ 75.00	\$ 2,400.00
Carpenter	32.00	HR	\$ 70.00	\$ 2,240.00
Finisher(s)	64.00	HR	\$ 50.00	\$ 3,200.00
Laborer(s)	64.00	HR	\$ 40.00	\$ 2,560.00
TOTAL LABOR COSTS:				\$ 10,400.00

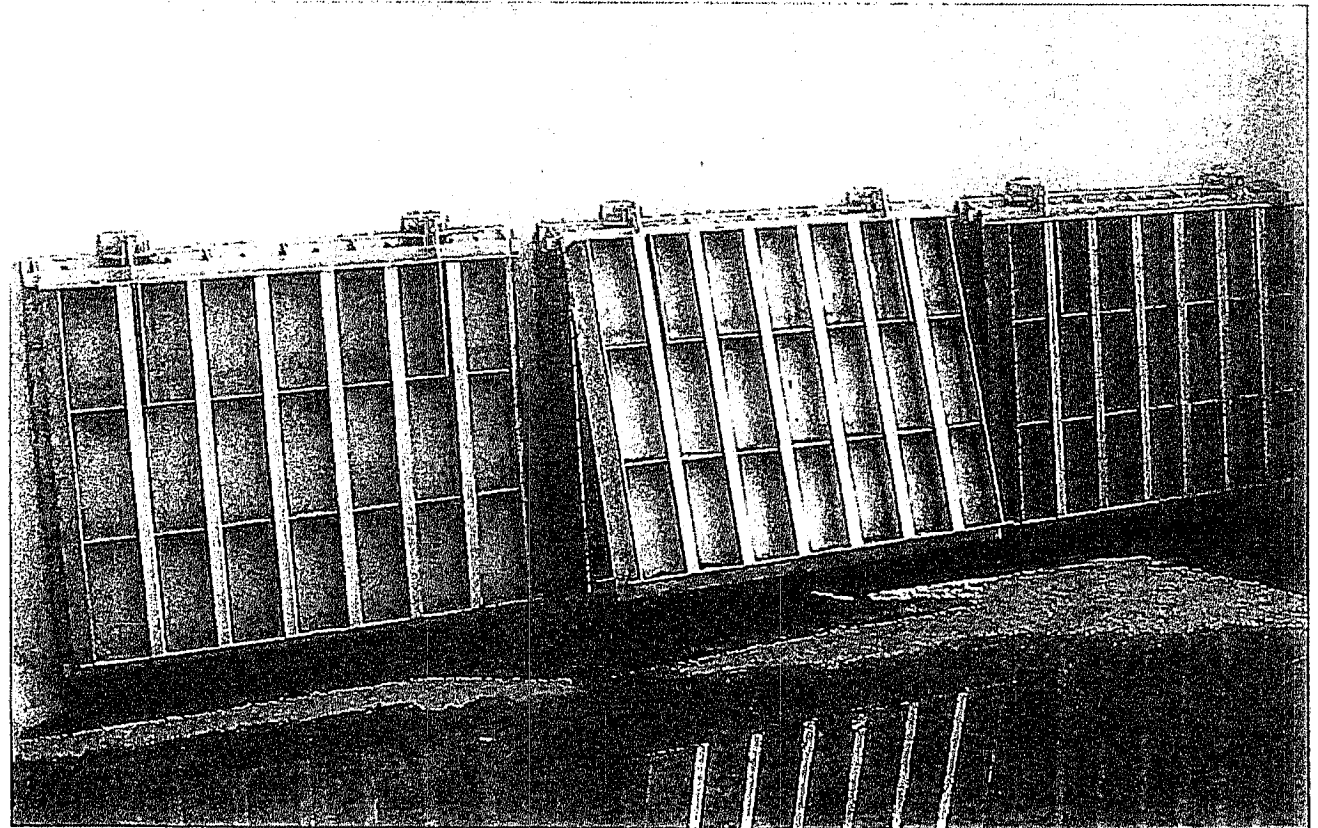
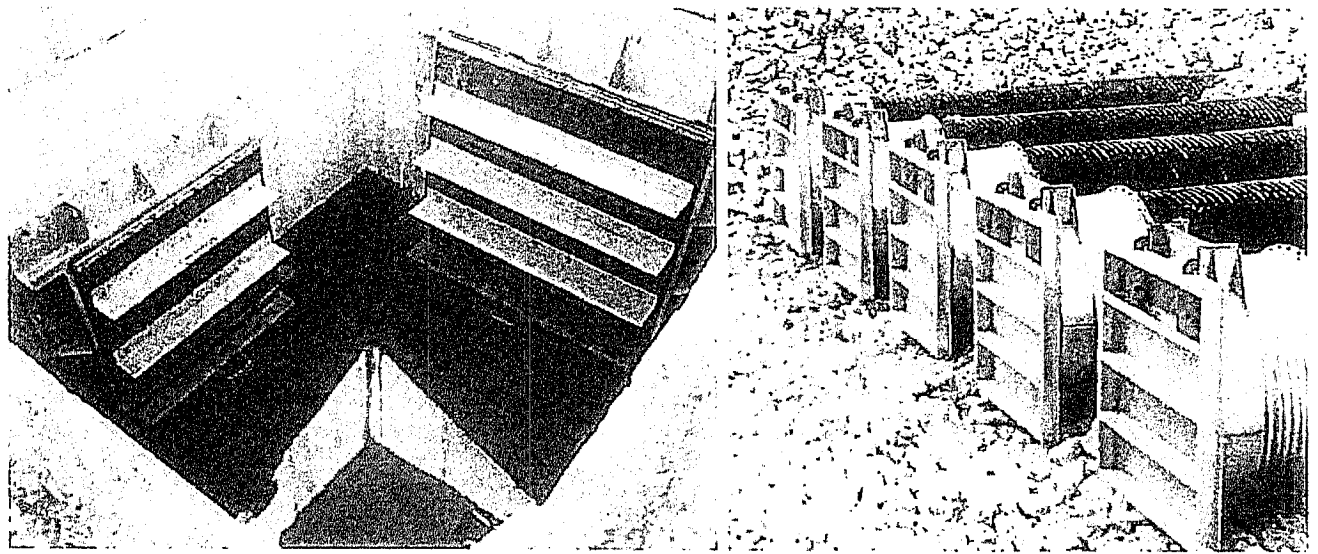
EQUIPMENT USEAGE REPORT (some equipment listed below is with operator costs)				
Resource / Classification	Hours		Rate/Hr	Total
Large Excavator w/ Operator	32.00	HR	\$ 100.00	\$ 3,200.00
Loader w/ Operator	32.00	HR	\$ 95.00	\$ 3,040.00
Truck w/ Small Tools	32.00	HR	\$ 28.13	\$ 900.00
TOTAL EQUIPMENT COSTS:				\$ 7,140.00

MATERIAL'S USED				
Material Description	Qty	Unit	Unit Cost	Total
Concrete	1.00	LS	\$ 2,610.00	\$ 2,610.00
Rebar	1.00	LS	\$ 4,000.00	\$ 4,000.00
Form Material	1.00	LS	\$ 2,000.00	\$ 2,000.00
Stone Bedding	1.00	LS	\$ 650.00	\$ 650.00
TOTAL MATERIAL COSTS:				\$ 9,260.00

SUMMARY OF COSTS	
TOTAL LABOR COSTS	\$ 10,400.00
TOTAL EQUIPMENT COSTS	\$ 7,140.00
TOTAL MATERIAL COSTS	\$ 9,260.00
TOTAL COSTS	\$ 26,800.00

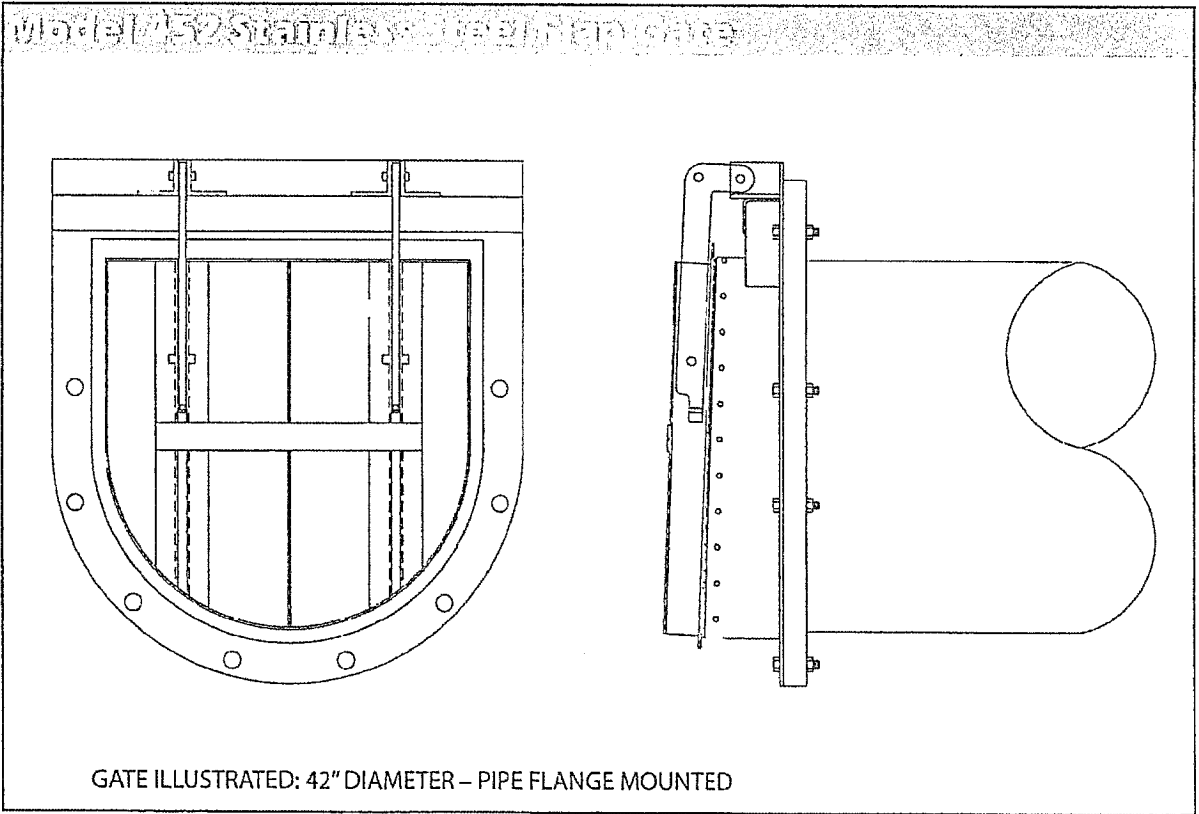
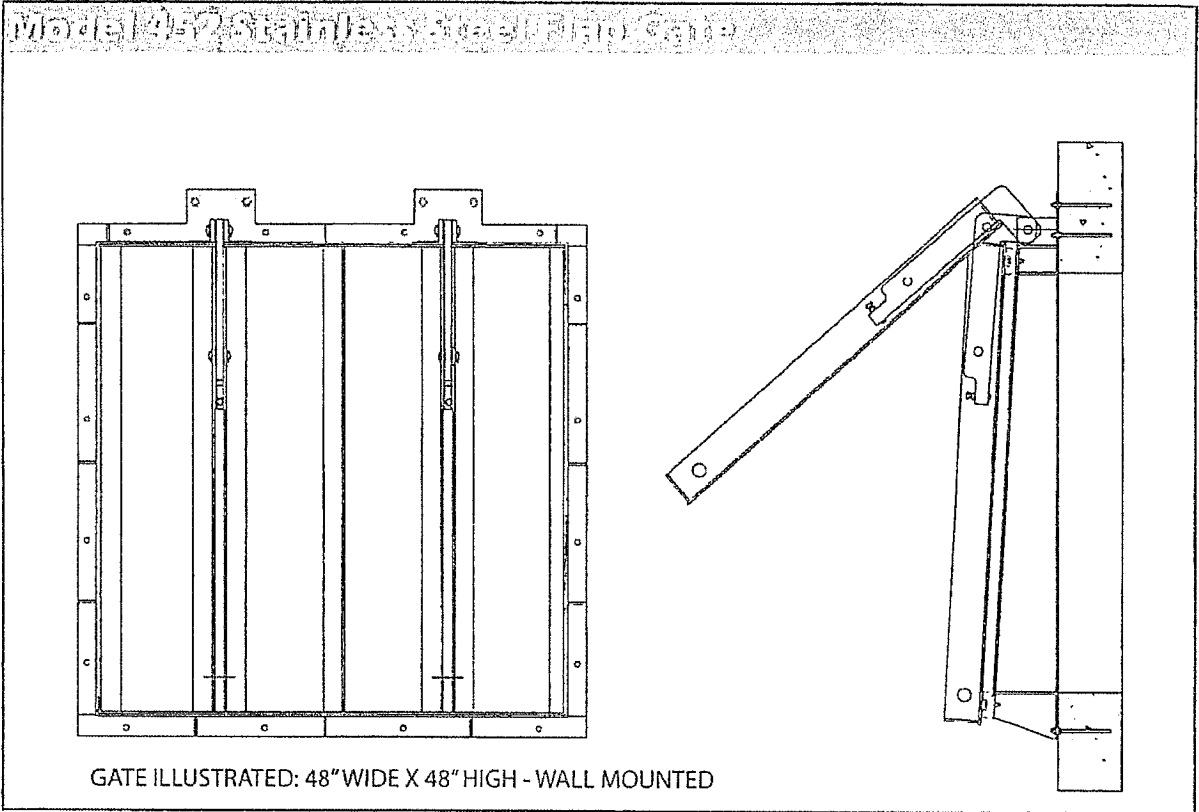
Flap Gates

SENTRY 450

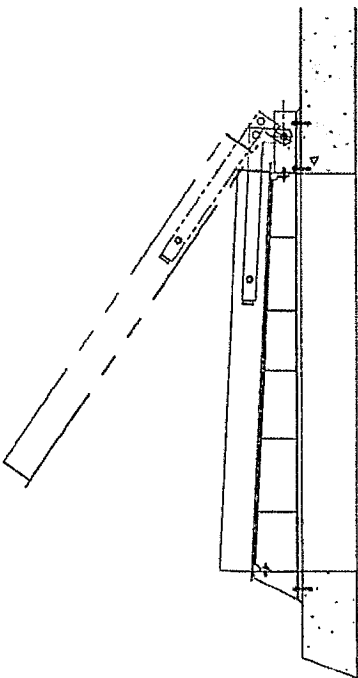
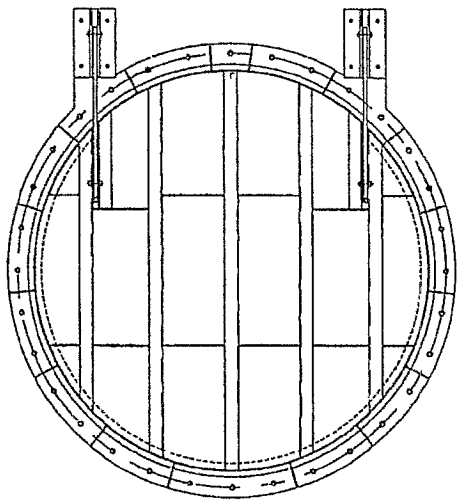


Whipps, inc.

Manufacturing high quality gates since 1977

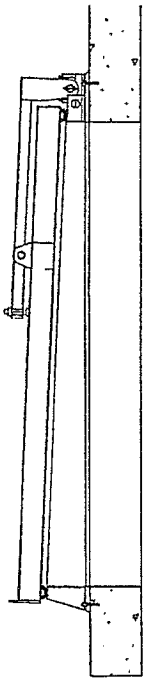
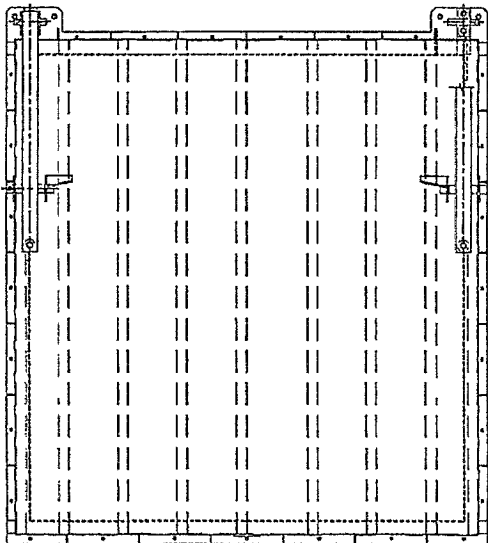


Model 452 Stainless Steel Flap Gate



GATE ILLUSTRATED: 84" DIAMETER - WALL MOUNTED

Model 452 Stainless Steel Flap Gate (Rectangular Type)



GATE ILLUSTRATED: 102" WIDE X 108" HIGH - WALL MOUNTED

Fabricated and Rubber Flap Gates

Installation, Operation & Maintenance Manual

Introduction

This manual describes the recommended methods of installation, initial operation and maintenance for Whipps, Inc. fabricated and rubber flap gates and related components. This manual should be used in conjunction with the approved installation drawings provided by Whipps, Inc.

Whipps, Inc. gates are custom built to meet the requirements of each specific application. Care must be taken in the handling, storage and installation of the equipment to ensure that it will function as intended and restrict leakage within the specified parameters.

The information in this manual is intended only as a recommendation for the proper and satisfactory installation of our equipment. Whipps, Inc. assumes no liability, expressed or implied, for the interpretation of the recommendations or faulty installation of the gates. Whipps, Inc.'s responsibility is limited to defects in manufacturing.

Handling and Storage

To prevent personal injury or equipment damage, follow standard safety procedures when handling equipment and be sure rigging equipment is properly set and in safe working condition.

When unloading the equipment from the box trailer or flat bed truck, use care during removal and storage. If the equipment has been shipped mounted to a wooden skid, lift the skidded material from the bottom.

If damage has occurred in transit, file the necessary report with the freight carrier and contact Whipps, Inc. immediately.

Thoroughly review the packing list and compare the items on the list to the equipment received.

Although Whipps Inc. gates are durable and heavily constructed, care is necessary during storage, handling and installation.

Equipment should be stored on planks or timbers on a flat surface to keep them off the ground and to prevent distortion. Equipment should be covered with tarps to protect the equipment from foreign matter while stored.

Installation

Installation - General

The most important aspects of a gate installation are listed in this section. If these recommendations are followed, a proper gate installation is assured.

Carefully review the installation drawing for each gate prior to installation to confirm proper setting and component location. If the installation drawings are not available, please contact Whipps Inc. at 978-249-7924 or www.whipps.com.

Installation – Gate Mounted with Anchor Bolts

When anchor bolts are furnished for mounting the gate, the location and projection of the anchor bolts will be shown on the installation drawing. In most cases, epoxy or wedge type anchor bolts will be utilized. When hook type anchor bolts are utilized, the anchor bolts should be placed in the holes drilled in the forms at locations indicated on the drawings. The hook ends of the anchor bolts should then be wired to the opposite form or to reinforcing rods to hold the bolts firmly in place.

Where gates are mounted with anchor bolts it is necessary that a uniform grout pad (non-shrink grout) or a resilient gasket be placed between the flange of the gate and the concrete wall. This grout or gasket is necessary to serve as a seal between the gate and wall and the type will be indicated on the installation drawings. The projection of the anchor bolts, shown on the installation drawings, includes provisions for the grout or gasket.

When a gasket is utilized to seal between the gate and the wall, the wall will need to be straight and plumb. If the wall is not straight and plumb, leakage can occur between the gate and the wall. Removal of the gate, modifications to the wall and re-installation of the gate may be required to rectify this situation.

Gates should not be mounted directly to a wall without grout or a gasket as this will result in leakage between the gate and wall.

1. All anchor bolts should be checked prior to installation to ensure that the threads are undamaged. Anchor bolts should be installed as recommended by the anchor bolt manufacturer.
2. **Do not install the gates without mounting the jacking nuts on the anchor bolts as shown on the installation drawing.** If the jacking nuts are not installed and the outside nuts are overtightened, frame distortion can occur and this can lead to excessive leakage.
3. In most cases, two nuts will be provided for each anchor bolt. Refer to the installation drawings for details. The jacking nut, should be installed on the anchor bolt prior to mounting the gate, leaving approximately 1 inch for the insertion of grout. The jacking nut needs to be positioned to ensure that the gate will be mounted vertically even if the concrete wall is not straight and plumb.

4. After anchor bolt and jacking nut installation, the gate should be lifted and carefully set in place in such a way as to not damage the threads on the bolts. After the gate is mounted on the anchor bolts, attach the other nuts on the anchor bolts. The use of the double nut arrangement helps to ensure that the gate will be mounted straight and plumb and can be firmly tightened into position without distortion.
5. With the gate flange located approximately 1 inch from the wall, forms should be mounted around the flange and a non-shrink grout should be placed between the flange and the concrete wall. The grout needs to be completely applied around the perimeter of the gate as shown on the installation drawings. All voids should be filled with grout to ensure that leakage cannot occur between the gate and the wall.
6. Care should be taken to avoid getting grout on the seating surface of the frame or the flap. All grout that adheres to the flap or frame should be removed.

Installation - Wall Thimbles

1. The front face of the wall thimbles, whether rectangular, square or circular, are marked with vertical centerlines and with "TOP" stamped on the top of the wall thimble. **Wall thimbles should be set in place with the "TOP" mark up and top and bottom centerline marks plumb.**
2. After being set at the proper elevation, the wall thimble must be internally braced to carry the weight of the concrete. Care should be used in placement of the braces so as not to distort the wall thimble. Gate attachment hardware will be misaligned if the wall thimble is distorted.
3. The wall thimble should be firmly supported on the form. Forms should be supported and stiffened against movement. If forms move, they will distort the wall thimble mounting flange and the gate may leak.
4. The tapped holes in the face of the wall thimble must be plugged or capped to prevent concrete from entering the holes.
5. After the concrete has hardened and the forms removed, the front surface of the wall thimble should be thoroughly cleaned. Make sure to remove all concrete that has flowed onto the surface from the edges. All tapped holes should be inspected and cleaned of concrete if necessary.

Installation - Gate Mounted to New Wall Thimble

1. The face of the wall thimble should be thoroughly cleaned and all wall thimble studs in place. Care should be taken to prevent damage to the studs during installation.
2. A gasket material is required between the surface of the wall thimble and the mounting flange of the gate. Mastic is normally used for this purpose and should be applied in accordance with the label directions.

3. If a gasket material other than mastic is used, it should be installed over the studs to provide a smooth mounting surface for the gate. If the gasket is other than one piece, the gasket joints should be aligned in accordance with the match markings and cemented with a liquid-type gasket material. When applying gasket materials, care should be taken to ensure that excessive amounts of lumpy, dried materials are not present when the gate is drawn tightly and evenly to the wall thimble.
4. The mounting flange of the gate should be thoroughly cleaned.
5. The gate can then be lifted and set over the studs and the nuts put in place and tightened. Care should be taken during this process to help ensure that the threads on the studs are not damaged. The sequence of tightening should be done in multiple passes by applying progressively larger force each pass. Equal torque should be applied to all nuts so that the gate is firmly and evenly tightened to the mounting flange without distortion. See following “Nut Tightening Torque” schedule.

Installation - Gate Mounted to an Existing Wall Thimble

See instructions for “Installation - Gate Mounted to a New Wall Thimble” after a close inspection of the existing wall thimble once the front flange is accessible. If the mounting flange of the existing wall thimble is damaged, contact the factory prior to installation.

Installation – Gate Mounted to a Pipe Flange

Where gates are mounted on pipe flanges, the procedure is the same as when the gate is mounted on a wall thimble. The type of attachment hardware shall be as shown on the installation drawings.

Consult the factory for assistance if the flange on which the gate is to be installed is damaged or unusable for any reason.

Nut Tightening Torque

Proper tightening of the nuts on anchor bolts holding the gate to the wall or studs holding the gate to the wall thimble may prevent serious problems in operation or performance of the gate. Tabulated below, are recommended torque values for common fastener sizes.

*DIAMETER (in.)	TORQUE (ft.-lb.)
1/2	35
5/8	75
3/4	100
7/8	150
1	200

Prior to Operating

Clean both sides of the flap and the entire frame, paying close attention to the portion of the frame that serves as sealing surface for the flap.

Operating Instructions

Whipps, Inc. flap gates are constructed to operate satisfactorily under the specified operating conditions. These gates should be operated with care so as not to exceed the specified conditions. If an obstruction is met, either in the opening or closing direction, the obstruction should be removed.

If a problem arises in the operation of the gate, such as an unusual head condition or evidence of excessive corrosion, the factory should be consulted.

Installation Inspection Check List

1. Check the flap gate assembly to ensure it has been installed straight and plumb.
2. Check the entire flap gate, especially the interior of the flap gate and the underside of the flap, for grout, debris or damage.
3. Check the outside nuts on the anchor bolts for proper tightness.
4. Check the grout or gasket used to seal between the flap gate and the wall.

Maintenance Instructions

Gates should be visually inspected at regular intervals (at least every six months) for signs of misalignment, missing hardware, obstructions, damage or corrosive attack.

Installation Drawings

The drawings submitted by Whipps, Inc. for approval and/or field use, are planned so that the installation drawing is the master reference.

The drawings depict as much as possible of the structure surrounding the supplied equipment. The location of embedded material such as anchor bolts and wall thimbles are shown. The identification of fasteners and components (studs, anchor bolts, gate assemblies, wall thimbles and other equipment) is done by calling out physical sizes and/or assembly or detail drawing numbers. More information is available on the detail drawings, which have been included with the installation drawing.

Spare Parts

Whipps, Inc. does not typically recommend the stocking of spare parts by customers or owners since the equipment is designed for a very long service life when recommended maintenance procedures are followed.

If a repair part is required, contact the PARTS DEPARTMENT at Whipps, Inc. at 978-249-7924 or www.whipps.com with as much of the following information as possible:

1. Plant name and location.
2. Original (four or five digit) shop order number which is indicated on correspondence and installation drawings.
3. The installation drawing number, and a description of the part, with any other available drawing numbers or the size (width x height).
4. Description of damage and cause. (Digital photos of damage are useful.)
5. Approximate delivery requirements.

Field Service Policy

The equipment furnished on this order has been inspected prior to leaving the factory and has been accepted by the freight carrier. Please check the packing list accompanying the shipment for shortages and examine the equipment for damages prior to accepting the shipment. Before handling, storing or installing this equipment, read the installation manual that accompanies the shipment.

Damage In Transit

If the equipment has been damaged in transit, the purchaser is responsible for filing the claim with the transport company. Contact Whipps, Inc. for assistance in filing the claim.

Installation, Inspection and Adjustment

Installation supervision, inspection of installed equipment and certification of satisfactory initial operation are not included unless specifically indicated on the customer's purchase order and accepted by the company. Otherwise, Whipps, Inc. will provide this service at the standard published charges.

Field Issues

If trouble develops either in the installation, operation or performance of the equipment, the installation manual and drawings should be checked to determine if the equipment has been installed properly. If proper performance or operation cannot be obtained and assistance from the factory is desired, please contact Whipps Inc or the local representative. Arrangements will be made to send a service technician to the job site if this is required. The service technician will make a thorough examination of the problem and if the equipment is faulty in workmanship or material, the necessary repairs will be made by the factory at no cost to the purchaser if within the warranty period.

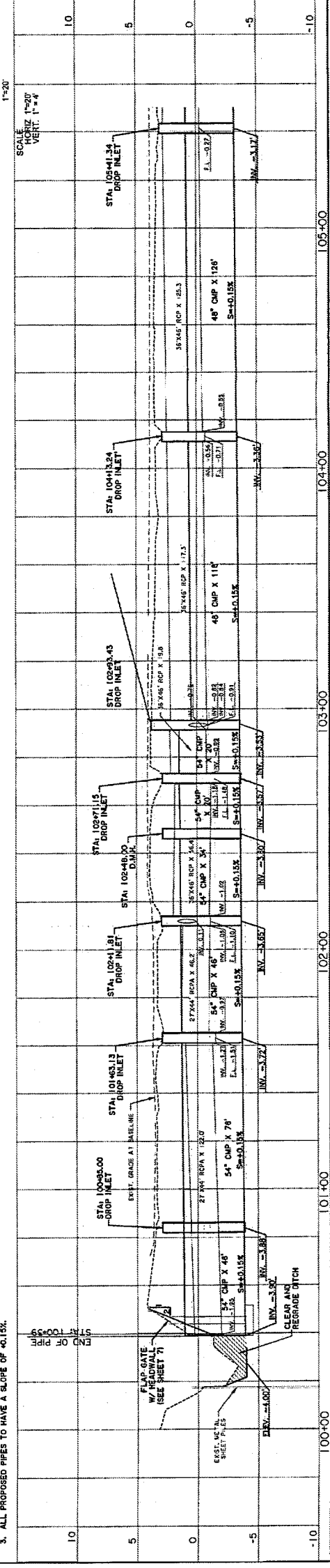
If, however, the problem is due to faulty installation or adjustment, the cost of the field service will be charged to the purchaser.

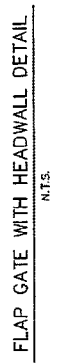
If repairs are made in the field by the purchaser or authorized by the purchaser, backcharges for these repairs will not be accepted by the company unless the company has been notified prior to the incurring of these costs and has accepted the responsibility for these repairs.

Whipps, Inc. will not be liable for contingent costs or costs of delays due to the faulty equipment and the repairs thereof.

Field Service Charges

Field service charges begin from the time of departure until the return of the service person and include a daily rate plus travel and subsistence expenses. Premium day and hour rates will be charge on Saturdays, Sundays, and Holidays and for time spent before 6 a.m. or after 5 p.m., or over eight hours per day. A schedule of Field Service charges is available from the Whipps, Inc. Field Service Department.





NOTE:

1. FITTINGS INCLUDING RESTRAINTERS SHALL BE RATED 350 p.s.i.
2. ALL DUCTILE IRON (D.I.) PIPE AND FITTINGS SHALL BE US PIPE OR APPROVED EQUIV. D.I. PIPES SHALL HAVE FACTORY INSTALLED CEMENT LINING INSIDE AND BE EPOXY COATED ON THE OUTSIDE.
3. ALL JOINT RESTRAINT PRODUCTS SHALL BE ERAB IRON OR APPROVED EQUIV. NOTE THAT ALL THESE ITEMS SHALL HAVE TO BE RATED AT THE FULL PRESSURE CAPACITY OF THE PIPE.