



CITY OF TAMPA

Bob Buckhorn, Mayor

CONTRACT ADMINISTRATION DEPARTMENT

David L. Vaughn, AIA, Director

ADDENDUM NO. 1

DATE: June 10, 2013

Contract 13-C-00004; Howard F. Curren AWTP Miscellaneous Sluice Gates Replacement

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: Insert the attached information as referenced in Specific Provisions Section
SP-138 – Record Drawings.

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to ContractAdministration@tampagov.net.

Jim Greiner

Jim Greiner, P.E., Contract Management Supervisor

SLUICE GATE SCHEDULE

Gate Designation Number	Size Inches	Type	Service	No. Reqd.	CL Elevation	Operating Head Feet at CL Gate	Direction of Head	Closure	Operator	Remarks
<u>Filter Building</u>										
FB-SG-1,2	36 x 60	DO,SC	ND	2	15.00	4.00	U	Std.	EO	(1)
<u>Post Aeration-Chlorination Tanks</u>										
CA-SG-1,2,3,4	60 x 72	RS	ND	4	3.00	10.73	S & U	FB	EO	
CA-SG-5,6	12 x 12	RS	ND	2	-2.33	16.06	S	FB	HO	
CA-SG-7,8	24 x 24	RS	ND	2	1.00	12.73	S	FB	HO	
<u>Aerobic Digestion Tanks</u>										
ST-SG-1,2,3,4	12 x 12	RS	ND	4	4.00	18.00	S	FB	HO	

(1) Battery-operated for emergency service.

OPERATION AND MAINTENANCE MANUAL
SLUICE GATES

FOR: Hookers Point Sewage Treatment Plant
Tampa, Florida

CONTRACTOR: Economy Mechanical Industries, Inc.
Doraville, Georgia

SHOP ORDER: 66097-2

SERIAL NO. 66097-2-9-7

RODNEY HUNT COMPANY
ORANGE, MASSACHUSETTS

December 27, 1977

; Contract 4H-6

Item #1 Filter Building - Gates FB-SG1 & 2

Two (2) - 60" x 36", Series 125, Flange frame, self-contained sluice gates arranged for inverted operation, cast iron construction, fully bronze mounted, suitable for seating or unseating head service. Stainless steel operating stem. Electric operator mounted on gate yoke, sized for the proper operation of the gate at 12" per minute with 460 volt, 3 phase, 60 cycle current. Unit complete with weather-proof motor, gearing, two train geared limit switch, double torque switch, auxiliary handwheel, integral reversing controller, integrally mounted pushbutton station 3B/2L, mechanical dial position indicator, control voltage transformer with fused secondary, strip heaters and a galvanized stem cover. Wall thimble, 12" deep, "F" section. Silicon bronze studs, nuts and anchor bolts.

Item #2 Chlorination Tanks - Gates CA-SG1 thru 4

Four (4) - 60" x 72", Series HY-Q-120, Flange frame, flush bottom closing sluice gates, cast iron construction, fully bronze mounted, suitable for a seating or unseating head of 10.73 ft. Stainless steel operating stem arranged for a centerline of gate to base of floorstand dimension of 16.0 ft. Operating stem complete with thrust nut and stem guides. Electric floorstand operator sized for the proper operation of the gate at 12" per minute with 460 volts, 3 phase, 60 cycle current. Unit complete with weatherproof motor, gearing, two train geared limit switch, double torque switch, handwheel for auxiliary operation, integral reversing controller, integrally mounted pushbutton station 3B/2L, mechanical dial position indicator, control voltage transformer with fused secondary, strip heaters and a galvanized stem cover all mounted on a cast iron pedestal. Wall thimble, 12" deep, "F" section, Silicon bronze studs, nuts and anchor bolts.

Item #3 - Chlorination Tanks - Gates CA-SG5 & 6

Two (2) - 12" diameter, Series HY-Q-260, flange frame, flush bottom closing sluice gates, cast iron construction, fully bronze mounted, suitable for seating head service. Gates to bolt to 125# pipe flange by others. Stainless steel operating stem arranged for a centerline of gate to base of floorstand dimension of 21'-4". Operating stem complete with stop collar, thrust nut, coupling and stem guides. Handwheel operated floorstand, Rodney Hunt Model S-2600 complete with clear plastic indicating stem cover. Silicon bronze attaching studs, nuts and anchor bolts.

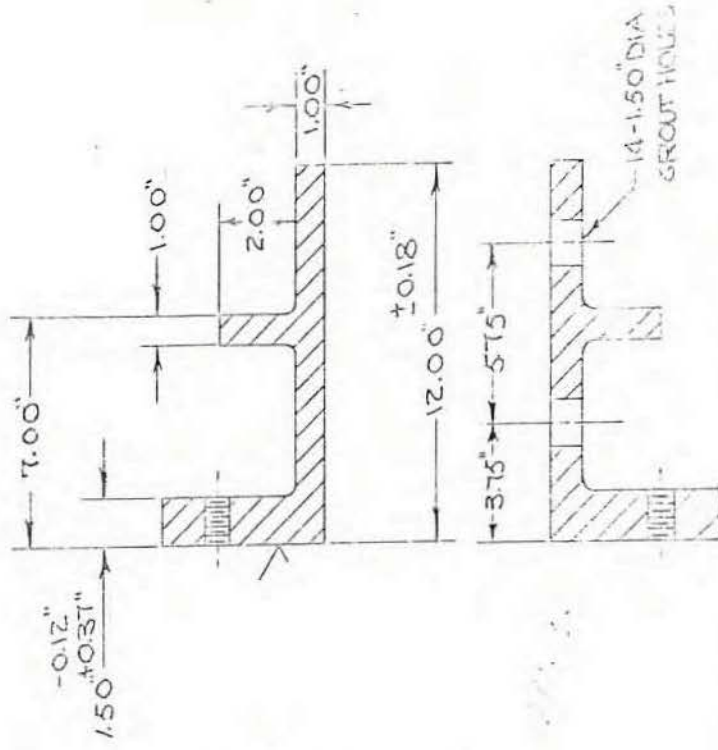
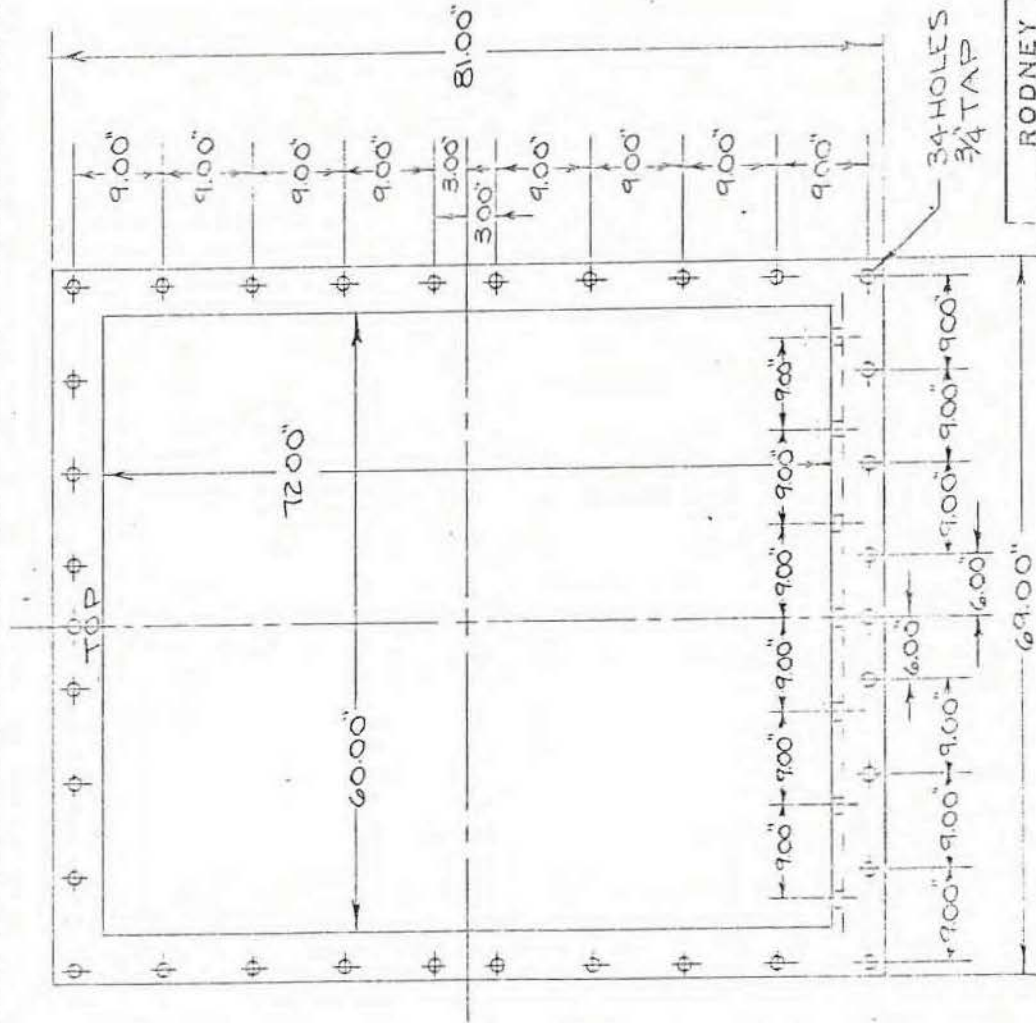
Item #4 - Chlorination Tanks - Gates CA-SG7 & 8

Two (2) - 24" x 24", Series HY-Q-220, flange frame, flush bottom closing sluice gates, cast iron construction, fully bronze mounted, suitable for seating head service. Stainless steel operating stem arranged for a centerline of gate to base of floorstand dimension of 13'-6". Operating stem complete with stop collar, thrust nut and stem guides. Crank operated two speed floorstand Rodney Hunt Model S-5001 complete with clear plastic indicating stem cover. Wall thimble, 12" deep, "F" Section. Silicon bronze studs, nuts and anchor bolts.

Item #5 - Aerobic Digestion Tanks - Gates ST-SG1 through 4

Four (4) - 12" diameter, Series HY-Q-260, flange frame, flush bottom closing sluice gates, cast iron construction, fully bronze mounted, suitable for seating head service. Gates designed to mount to 125# pipe flange by others. Stainless steel operating stem arranged for a centerline of gate to base of floorstand dimension of 23'-0". Operating stem complete with stop collar, thrust nut, coupling and stem guides. Handwheel floorstand, Rodney Hunt Model S-2600 complete with clear plastic indicating stem cover. Silicon bronze attaching studs, nuts and anchor bolts.

ZION



CT. PATTERN NO. 2-3513-10

TEMPLATE NO. E-060122

RODNEY HUNT COMPANY, CHARGE, MASS., 01301

REF: 6087 WALL THIN

635.31.125.1

DATE	15-8	PREPARED	15-8
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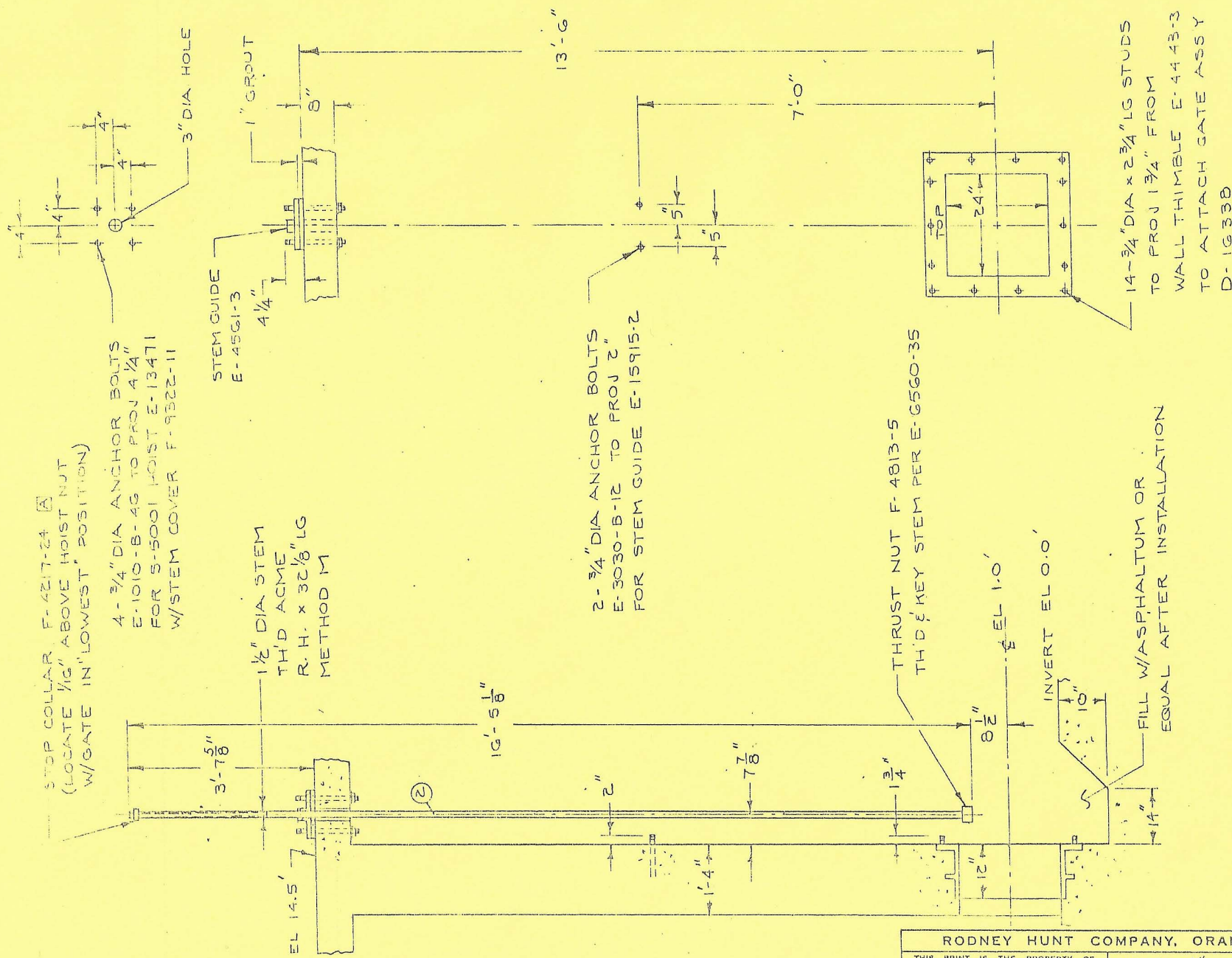
DESIGNED	APPROVED	DATE
CHECKED	APPROVED	DATE

ORDER NO.	DWG. NO.	$\bar{V}_{t+1}$
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INDEX SYMBOL. L.A. 70

FOUNDA



ORDER ITEM #4 ~ CA 90-7 E 8
TWO (2) UNITS REQ'D FOR
POST AERATION-CHLORINATION TANKS
HOOKER POINT DIV 4H-G
CITY OF TAMPA, FLA

CHANGE	BY	CHKD	DATE	ALT	CHANGE	BY	CHKD	DATE	ALT	CHANGE	BY	CHKD	DATE	ALT
F-4217-24 WAS F-4217C-24	JA		7-1-76											

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INST: 24" x 24" SLUICE GATE			
SERIES HY-Q-220 FOR TITAN SE			
DRAWN DJG	DESIGNER	DATE	

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EXTENT OF THE LAW.

INST: 12" DIA SLUCE GATE
SERIES HY-D-200 FOR
TITAN SEC
DRAWN DMS DESIGNED
CHECKED H APPROVED
DATE 2-9-75

NOTES



OPERATION AND MAINTENANCE MANUAL
SLUICE GATES

FOR: Hookers Point Wastewater Treatment Plant
Tampa, Florida

CONTRACTOR: Vogel Bros. Building Co.

P. O. No: 1031-2

SHOP ORDER: 45661-2

SERIAL NO. 45661-2-4- 4

RODNEY HUNT COMPANY
Orange, Massachusetts

DATE: OCT 10 1984

45661-2

ORDER ACKNOWLEDGEMENT

DATE: July 2, 1984

OUR ORDER: 45661-2

084001

084002

082003

YOUR ORDER: #1031-2

SOLD TO: Vogel Bros. Building Co. 21045
P.O. Box 5200
Lakeland, FL 33803

SHIP TO: LATER

PROJECT: Hookers Point WWTP
Tampa, FL

WE ARE SUPPLYING THE FOLLOWING EQUIPMENT

Item #1 - Plan Sheet 3

Location: Reclaimed Water Pump Station
Quantity: Two (2) Sluice Gates
Size: 18" x 24"
Gate: Cast iron with bronze seat facings and wedges
Hoist: Floor mounted, crank operated with gate position
indication on stem cover
Stem: Stainless steel with stem guides and stem cover
Wall thimble: 16" deep, F section
Fasteners: Stainless steel studs, nuts and anchor bolts

Item #2 - Plan Sheet #3

Location: Reclaimed Water Pump Station
Quantity: Two (2) Sluice Gates
Size: 18" x 24"
Gate: Cast iron with bronze seat facings and wedges
Hoist: Floor mounted, crank operated with gate position indication on stem cover
Stem: Stainless steel with stem guides and stem cover
Wall thimble: None provided
Fasteners: Stainless steel Expansion anchor bolts

F.O.B. Orange, MA with freight prepaid and allowed to Tampa, FL

Identification Numbers 016-012-01-0000

Location northeast

Equipment Description Reclaimed Water Pump Station

Equipment	Sluice Gate Valve			
Manufacturer	Rodney Hunt			
Serial Number				
Frame				
HP				
RPM				
Volts				
Amps				
Phase				
Cycle				
Model Part Number	45661-1	E310772		
Type Stem	Stainless Steel w/stem guide & stem cover			
Drive Hoist S5002	Floor mounted, crank operated w/gate position on stem cover			
Bearing Type				
Installation Fastners	Stainless Steel Studs, Nuts & Anchor Bolts			
Capacity				
Code				
Packing Size				
Impeller				
Size	18"x24"			
Gate	Cast Iron w,bronze seat facings & wedges			
Wall thimble	16" deep, F section			
Lubricant				
Interval				
Maint. Requirement				
Inspection Requirement				
Inspection Interval				

EQUIPMENT

RECORD

Identification Numbers 016-012-02-0000

Location: northwest

Equipment Description Reclaimed Water Pump Station

Equipment	Sluice Gate Valve			
Manufacturer	Rodney Hunt			
Serial Number				
Frame				
HP				
RPM				
Volts				
Amps				
Phase				
Cycle				
Model	Part Number	45661-2	E31076-1	
Type	Stem	Stainless Steel w/stem guide & stem cover		
Drive	Hoist S5002	Floor mounted, crank operated w/gate position indication on stem cov		
Bearing Type				
Installation	Fasteners	Stainless Steel Studs, Nuts & Anchor Bolts		
Capacity				
Code				
Packing Size				
Impeller				
Size	18"x24"			
Gate	Cast Iron w/bronze seat facings & wedges			
Wall thimble	16" deep, F section			
Lubricant				
Interval				
Maint. Requirement				
Inspection Requirement				
Inspection Interval				

Identification Numbers 016-012-03-0000

Equipment Description Reclaimed Water Pump Station

Equipment	Sluice Gate Valve		
Manufacturer	Rodney Hunt		
Serial Number			
Frame			
HP			
RPM			
Volts			
Amps			
Phase			
Cycle			
Model	Part Number	45661-2	E31076-1
Type	Stem	Stainless Steel w/stem guide & stem cover	
Drive	Hoißt S5002	Floor mounted, crank operated w/gate position indication on stem cover	
Bearing Type			
Installation	Fasteners	Stainless Steel Studs, nuts & anchor bolts	
Capacity			
Code			
Packing Size			
Impeller			
Size	18"x24"		
Gate	Cast iron w/bronze seat facings & wedges		
Wall thimble	16" deep, F section		
Lubricant			
Interval			
Maint. Requirement			
Inspection Requirement			
Inspection Interval			

EQUIPMENT		RECORD	
Identification Numbers 016-012-04-0000		Location southwest	
Equipment Description Reclaimed Water Pump Station			
Equipment	Sluice Gate Valve		
Manufacturer	Rodney Hunt		
Serial Number			
Frame			
HP			
RPM			
Volts			
Amps			
Phase			
Cycle			
Model	Part Number 45661-1	E310772	
Type	Stem	Stainless Steel w/stem guide & stem cover	
Drive	Hoist S5002 Floor Mounted, crank operated w/gate position on stem cover		
Bearing Type			
Installation Fastners	Stainless Steel Studs, nuts & anchor bolts		
Capacity			
Code			
Packing Size			
Impeller			
Size	18"x24"		
Gate	Cast iron w/bronze seat facings & wedges		
Wall thimble	16" deep, F section		
Lubricant			
Interval			
Maint. Requirement			
Inspection Requirement			
Inspection Interval			

LIST OF DRAWINGS
HOOKERS POINT WWTP
RODNEY HUNT SHOF ORDER 45661-2



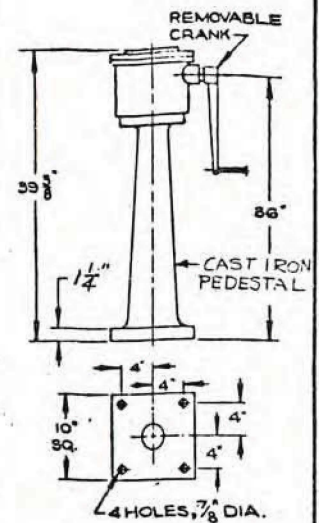
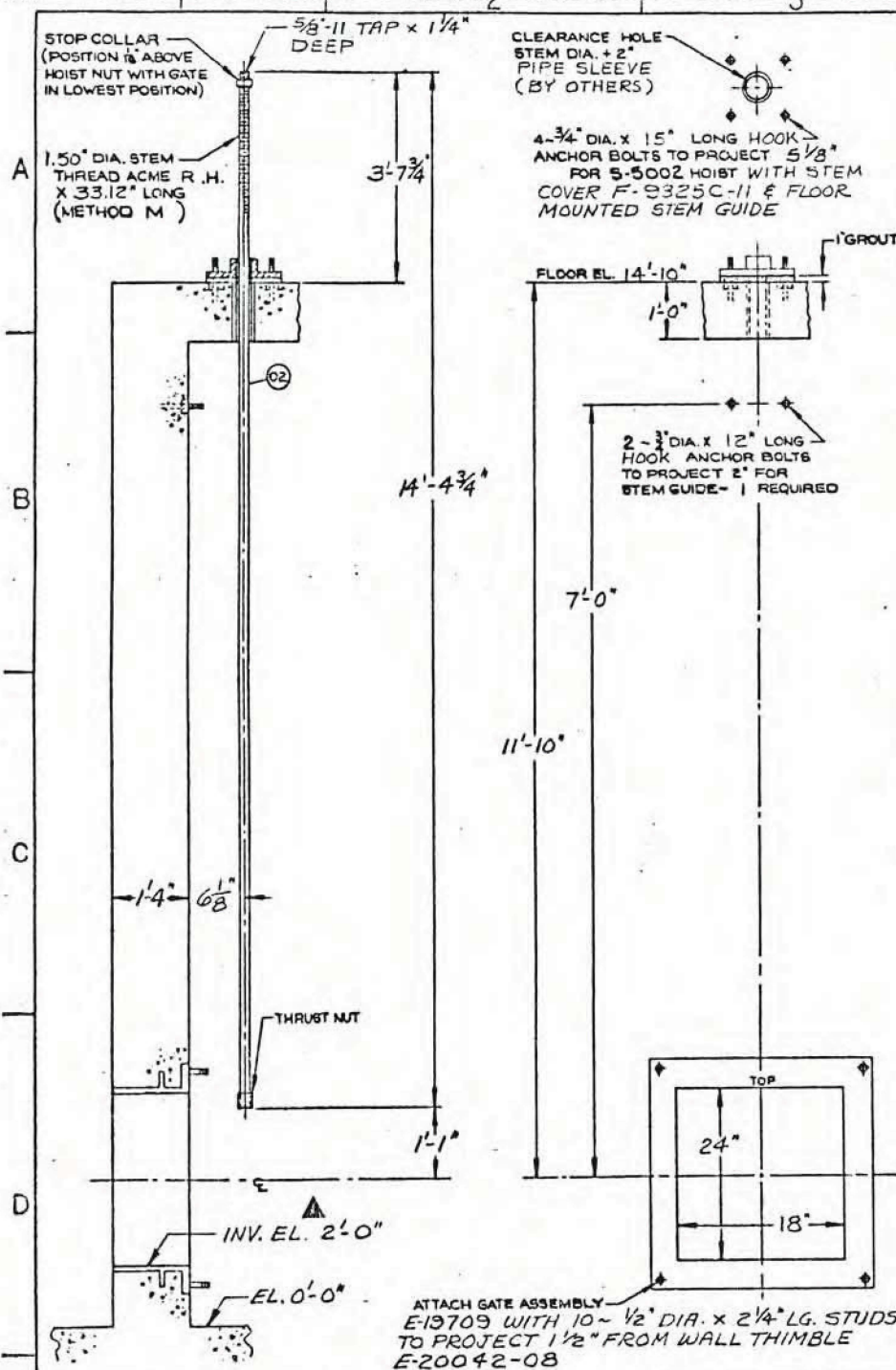
Material Specification Sheet

Item #1 - Reclaimed Water Pump Station

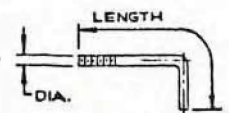
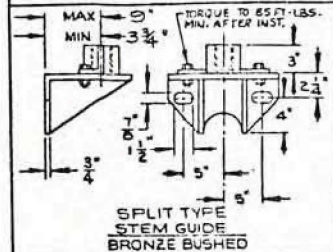
E-31076	Installation:	18" x 24" Sluice Gate
E-19709	Assembly:	18" x 24" Sluice Gate
E-20042-08	Detail:	18" x 24" Wall Thimble, "F" Section, 16" Deep
E-3655	Assembly:	Type S-5002 Hoist
E-15915-02	Assembly:	Stem Guide
E-25861-03	Detail:	Floor Mounted Stem Guide
F-9325C-11	Assembly:	Pipe Cover

Item #2 - Reclaimed Water Pump Station

E-31077	Installation:	18" x 24" Sluice Gate
E-19709	Assembly:	18" x 24" Sluice Gate
E-3655	Assembly:	Type S-5002 Hoist
E-15915-02	Assembly:	Stem Guide
E-25861-03	Detail:	Floor Mounted Stem Guide
F-9325C-11	Assembly:	Pipe Cover



S-5002 HOIST
SINGLE SPEED
2:1 RATIO



HOOK ANCHOR BOLT

▲ CUSTOMER TO VERIFY INV. EL.

NOTE: ANCHOR BOLTS PROVIDED WITH 2 NUTS FOR DOUBLE NUTTING TO FORMS

PROJECT: <u>HOOKERS POINT W.W.T.P.</u>	
GATE LOCATION: <u>TAMPA, FLORIDA</u>	
GATE NUMBER: _____ QUANTITY: <u>2</u> ORDER ITEM NUMBER: <u>1</u>	
FOR MATERIALS SEE SPECIFICATION SHEET: <u>45661-2</u>	
RODNEY HUNT COMPANY, ORANGE, MASS., 01364	
INSTALLATION: <u>18" x 24" GLUICE GATE</u>	
FOR: <u>VOGEL BRAS. BLDG. CO.</u>	
DRAWN <u>VAUGHN</u>	DESIGNED <u>TER</u>
CHECKED <u>GR</u>	APPROVED _____
DATE <u>7-10-84</u>	SCALE <u>N.T.S.</u>
ORDER NO. <u>45661-2</u>	DWG. NO. <u>E-31076</u>

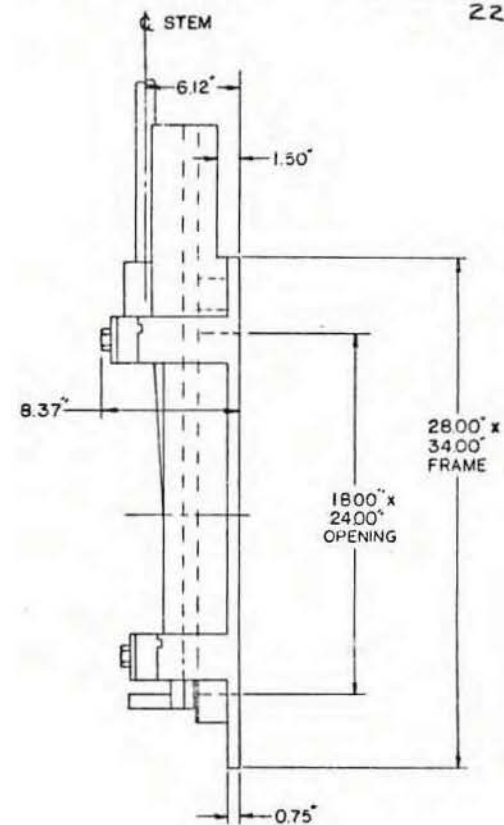
ALT.	CHANGE	BY	CHKD.	DATE

HOIST: E-3655

STOP F-4217C-24 STEM: E-15415-02 FLR MTD. F-25861-03 THRUST NUT: E-14621-12 COUPLING: E-26560-35 ATTACH PER: _____

DWG. NO. E-31076

THIS SLUICE GATE REPLACES
GATES FORMERLY DESIGNATED
AS SERIES: 120/140
220/240.

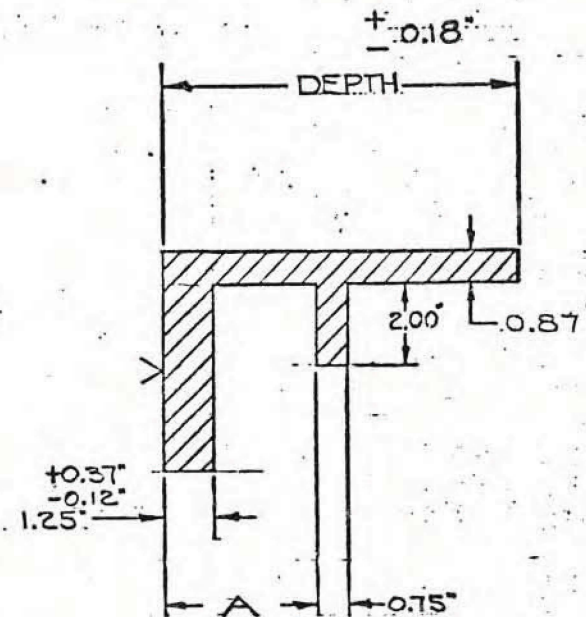


240

ALT		CHANGE	BY	CHKD	DATE	ALT	CHANGE	BY	CHKD	DATE	ALT	CHANGE	BY	CHKD	DATE	ALT	CHANGE	BY	CHKD	DATE	ALT
A		REVISED SERIES			4/15/70																

ASST 18 x 24 SLUICE GATE

DRAWN RDA DESIGNED _____ DATE _____
 CHECKED AP/7 ISSUED _____
 SPEC. NO. _____
 SHEET BYNOLPL 18H



RODNEY HUNT COMPANY, ORANGE, MASS., 01364

DETAIL: 18" x 24" WALL

THIMBLE ~ F-SECTION ~

DEEP

DRAWN RDA

DESIGNED

DATE 7-17-79

CHECKED *Pat*

APPROVED

SCALE N.T.S.

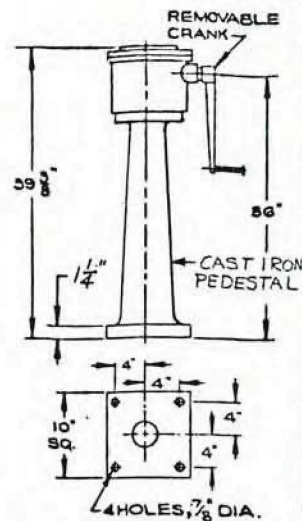
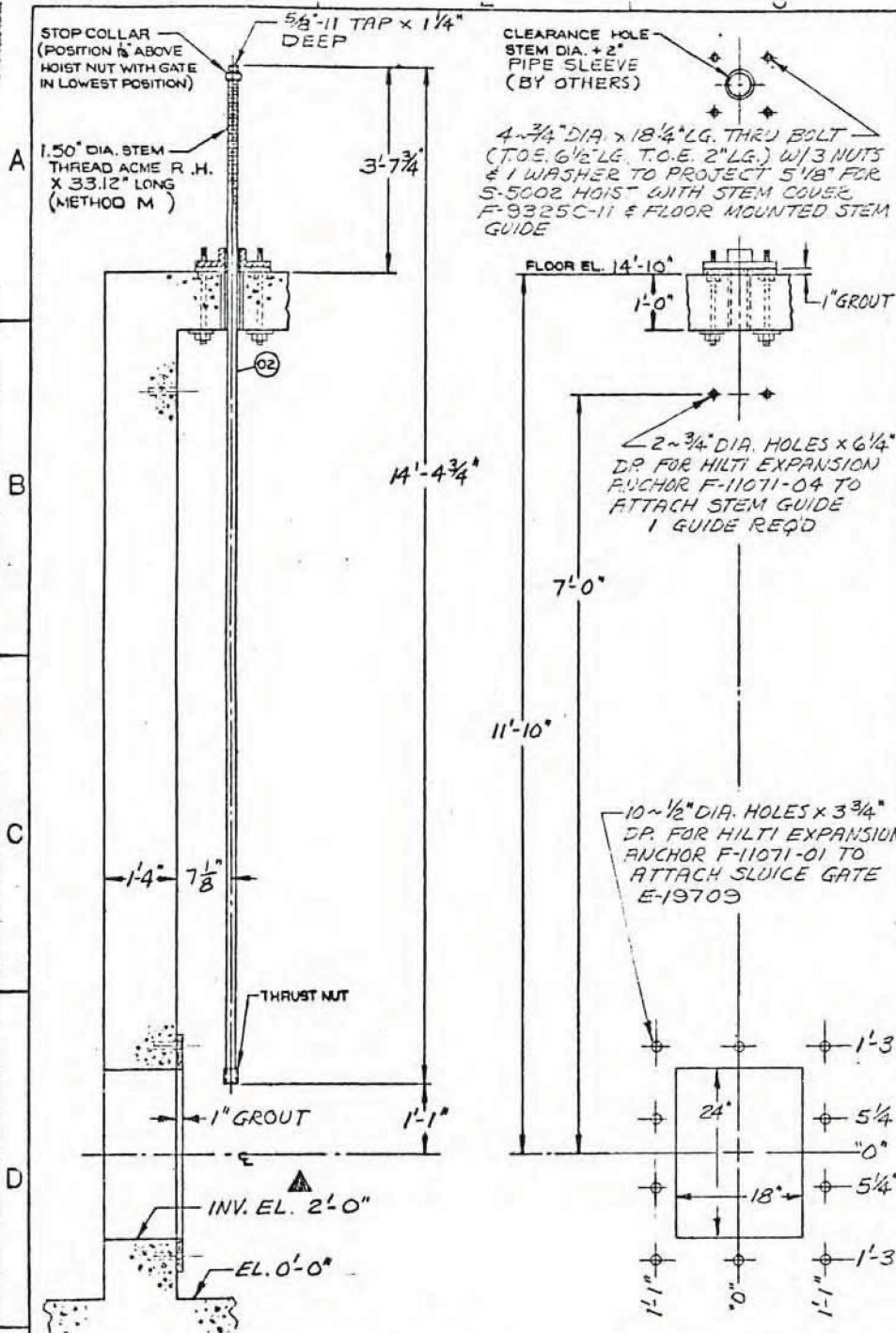
ORDER NO.	
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DWG. NO. E-20042

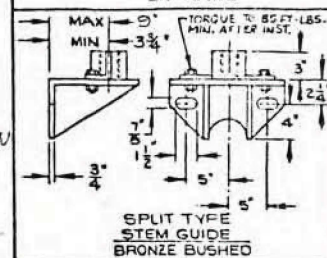
INDEX SYMBOL PL IBM

SYMMETRICAL ABOUT $\frac{1}{2}$

[illegible]



B-5002 HOIST
SINGLE SPEED
2:1 RATIO



SPLIT TYPE
STEM GUIDE
BRONZE BUSHED

▲ CUSTOMER TO VERIFY INV. EL.

PROJECT: HOOKE'S POINT W.W.T.P.
TAMPA, FLORIDA
 GATE LOCATION: RECLAIMED WATER PUMP STATION
 GATE NUMBER: 2 QUANTITY: 2 ORDER ITEM NUMBER: 2
 FOR MATERIALS SEE SPECIFICATION SHEET: 45661-2

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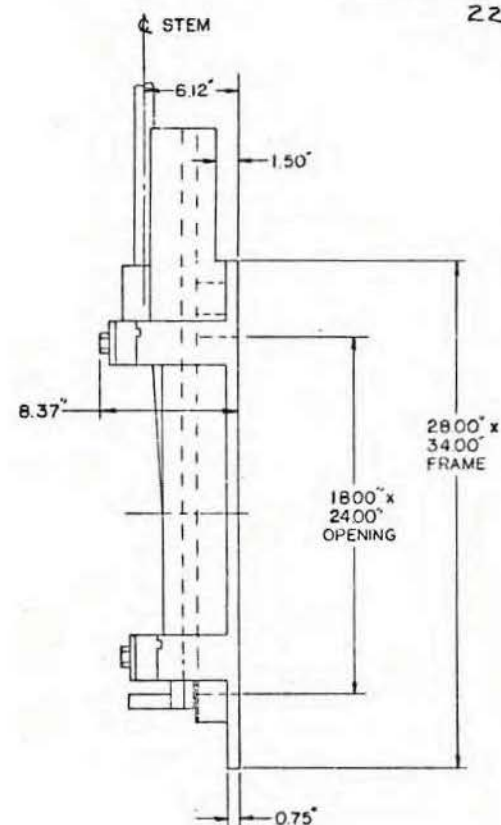
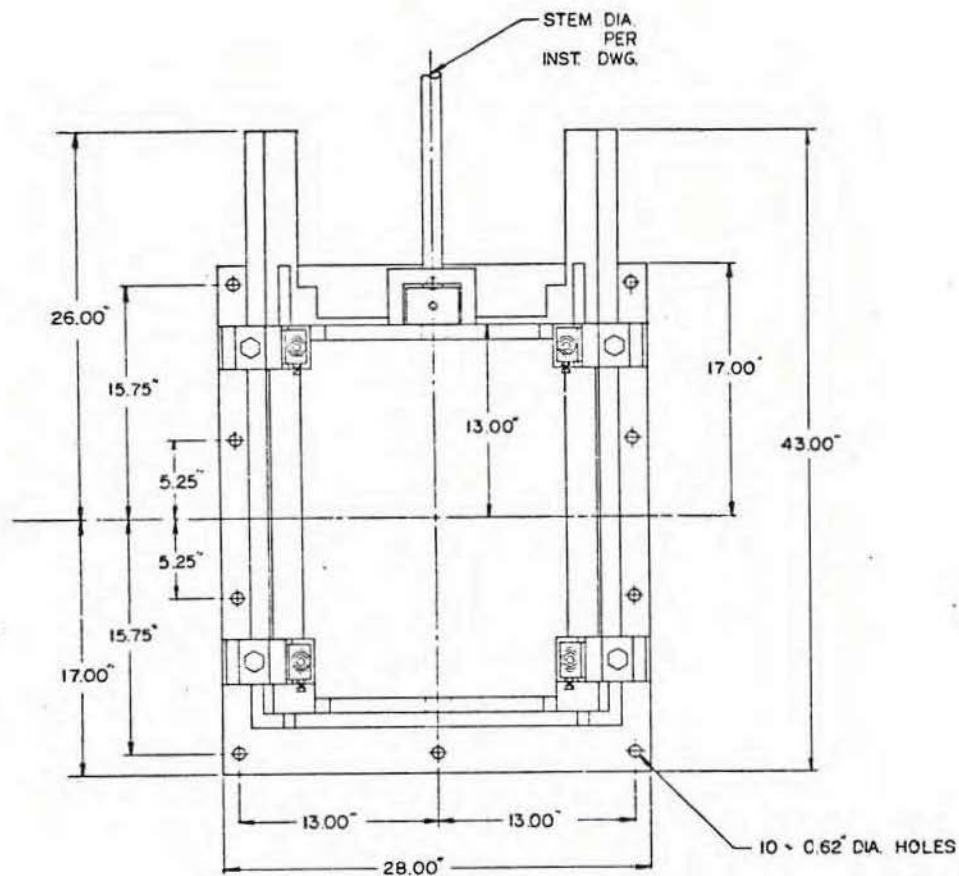
INSTALLATION: 18\"/>

ALT.	CHANGE	BY	CHKD	DATE

HOIST: E-3655 STOP: F-4217C-24 STEM: E-1545-02 PLR: MTD E-25841-03 THRUST NUT: E-14621-12 COUPLING:
 COLLAR: GUIDE: STEM GUIDE: ATTACH PER: E-26560-35 ATTACH PER:

DWG NO: E-31077

THIS SLUICE GATE REPLACES
GATES FORMERLY DESIGNATE
AS SERIES: 120/140
220/240.



240

[illegible]