

OWNER CHANGE ORDER

OWNER CONTRACT NO.: 2021-0908

PROJECT:	El Paso County Annex Phase 2 TI - EXPEDITED:TX:E:I	DATE:	11/10/2022
TITLE:	Basement MEP Changes and Revisions (Refer	JOB:	2077701
TO:	to PCI 09REV2 and PCI 11)	CHANGE ORDER NO.:	OCO001
<p>Attn: Ashok Kamath Jordan Foster Construction LLC 7700 CF Jordan Drive El Paso, TX 79912-8802 Phone: (915) 877-3333 Fax: (915) 877-3999</p>			

DESCRIPTION OF CHANGE

You are hereby authorized to make the following changes for the above referenced contract, it being understood that this change is subject to the Terms and Conditions of the original contract unless specifically noted otherwise.

PCI No.	Description	Amount
CIOD005	PCI 09REV2 - RFI 94 & 102 Revised Mech Room Changes; Layout, Piping, Refridrant Leak Detector	\$273,729.00
CIOD006	PCI 11 - Sewer Line replacement due to existing unforeseen conditions	\$96,052.00

The Original Contract Sum was.....	\$3,253,124.91
Net Change by Previously Authorized Requests and Changes.....	\$0.00
The Contract Sum Prior to This Change Order was.....	\$3,253,124.91
The Contract Sum Will be Changed by.....	\$369,781.00
The New Contract Sum Including This Change Order.....	\$3,622,905.91
The Contract Time Will be Changed by.....	0 day(s)
The Date of Substantial Completion as of This Change Order Therefore is.....	01/23/2023

ACCEPTED:

County of El Paso

Carl Daniel Architects

Jordan Foster Construction, LLC

Signature

Signature

Signature

Print Name

Print Name

Ashok Kamath
Print Name

Date

Date

11/10/2022
Date



EP Co PO 22201983 / JFC# 2077701

PCI 09REV2 - RFI 94 & 102 Revised Mech Room Changes; Layout, Piping, Refrigerant Leak Detector

Date 11/10/2022

Subcontr	Desc.			
1 Tex MEP	RFI 94 - Revise Mech room layout and other associated changes	\$	234,132	See Back Up
2 SSW	Frame, Sheath & waterprf, opening @ existing evaporative cooler	\$	1,500	See Back Up
3 Robles1	Sawcut and demo floor for (2)new floor sinks; Sump basin side tap	\$	2,000	See Back Up
4 Fulcrum	Place concrete around new floor drains		\$864	See Back Up
5 B&M	Cover & waterproof existing opening for old gravity fed sewer line	\$	1,100	See Back Up
6 JFC	Haul Off all unuseable piping & components; add'l progress cleaning	\$	4,629	See Back Up
	Subcontractor Subtotal	\$	244,225	
Region 19 Fees			\$	29,504
	TOTAL		\$	273,729

Exclusions/Clarifications: One time cost adjustment included - changes fee from 29% to 13%

~ Only items listed above are included
 ~ See Subcontractor Exclusions as well
~RFI 094
 ~ rearrange all above ground equipment EXCEPT for new pumps in order to install AHUs with proper working service clearances per manufacturer submittal
 ~ Furnish & Install NEW hydronic piping & insulation
 ~ Furnish & Install NEW extended duct work to AHU 1
 ~ Furnish & Install NEW inline fan, ductwork, conduits, power, and control to the new refrigerant monitor for the new chiller at its new location on the north side of the mech room
 ~ extend power and control to new location of the relocated existing chiller
 ~ new location of existing chiller, holding tank, expansion tank, and air separator are at the request of the owner
 ~ existing actuator valves to be reused for hydronic piping
 ~ no allowance have been made for furnishing and installing new actuator valves
 ~ Haul off hydronic piping that cannot be reused
RFI 102
 ~ JFC negotiated assoc. plumbing work to be completed at no cost to owner
 FYI, Subcontractor cost for RFI 102 was \$18,619
 ~ exploratory excavation outside building where force main and gravity main exit bldg back fill of exploratory excavation after water proofing is complete is included
 ~ below grade water proofing at demo'd gravity sewer drain
 ~ cut concrete, (and unforeseen mudslab) in order to relocate floor sinks where needed for condensate drains for AHUs and drains for make up water
 ~ adjust underground sewer for relocated floor sinks
 ~ conc. pour backs for floor sinks was done at no cost to the owner
 ~ conc. pour back at side tap to sump basin

Proposal is good for 5 days starting on 11/10/2022

Scott Smith
11/10/2022

CHANGE ORDER REQUEST PRICING BREAKDOWN SHEET

JOB NO.:

PROJECT NAME: Downtown County Annex Offices - Demo - 320 S Campbell

SUBCONTRACTOR: Robles1 Demolition

COR NO.:

DATE: 10/5/2022

SUBCONTRACTOR TRADE: Demolition

CHANGE DESCRIPTION: RFI 102
(attach additional pages as necessary) Sawcutting and demolition of concrete slab and mudslab in basement - 2' x 5'
Sawcutting and demolition of concrete slab and mudslab in basement - 2' x 13'
Removal of 2'-3" of soil (between concrete slab & mudslab)
Removal of debris by hand from basement and disposal

SUBCONTRACTOR DIRECT COSTS										
SCOPE DESCRIPTION			DIRECT LABOR			DIRECT MATERIAL		DIRECT EQUIPMENT		
ITEM NO.	DESCRIPTION	QTY	UOM	DIRECT LABOR HOURS PER UNIT	TOTAL DIRECT LABOR HOURS	HOURLY WAGE RATE EXCL TAXES & INS	TOTAL LABOR COST	DIRECT MATERIAL COST PER UNIT	TOTAL MATERIAL COST	DIRECT EQUIPMENT COST PER UNIT
A	B	C	D	E	F = C x E	G	H = F x G	I	J = C x I	K
1.01	Site Supervisor - Foreman	1.00	ea	12.00	12.00	\$ 25.00	\$ 300.00		\$ -	\$ -
1.02	Laborer	2.00	ea	12.00	24.00	\$ 13.71	\$ 329.04		\$ -	\$ -
1.03	Job tools - 60 lbs Hilti Electric Jackhammer (2)	1.50	day		0.00		\$ -		\$ -	\$ 200.00
1.04	Job tools - Electric Hand Held Concrete Saw	1.50	day		0.00		\$ -		\$ -	\$ 75.00
1.05	Debris Disposal - Concrete Rubble 10 YD Container	0.25	ea		0.00		\$ -	\$ 300.00	\$ 75.00	\$ -
1.06					0.00		\$ -		\$ -	\$ -
1.07					0.00		\$ -		\$ -	\$ -
1.08					0.00		\$ -		\$ -	\$ -
1.09					0.00		\$ -		\$ -	\$ -
1.10					0.00		\$ -		\$ -	\$ -
1.11					0.00		\$ -		\$ -	\$ -
1.12					0.00		\$ -		\$ -	\$ -
1.13					0.00		\$ -		\$ -	\$ -
1.14					0.00		\$ -		\$ -	\$ -
1.15					0.00		\$ -		\$ -	\$ -
1.16	SUBTOTAL FROM ESTIMATE CONTINUATION SHEETS						\$ -		\$ -	\$ -
1.97	SUBTOTAL DIRECT COSTS						\$ 629.04		\$ 75.00	\$ 412.50
1.98	TAXES & INSURANCE						\$ 125.81		\$ -	\$ -
1.99	TOTAL DIRECT COSTS						\$ 754.85		\$ 75.00	\$ 412.50

SUB-SUBCONTRACT COSTS

ITEM NO.	SUB-SUBCONTRACTOR: EP Concrete Cutters (attach COR pricing breakdown sheets for backup)	TOTAL COST
A	B	C
2.01		\$ -
2.02		\$ -
2.03		\$ -
2.04		\$ -
2.05	SUBTOTAL 2.01+2.02+2.03+2.04	\$ -
2.06	OVERHEAD & PROFIT 5% x Item 2.05	\$ -
2.99	TOTAL SUB-SUBCONTRACTOR COST	\$ 2.05+2.06

SUMMARY

ITEM NO.	DESCRIPTION	TOTAL COST
3.01	TOTAL DIRECT LABOR COST	\$ 754.85
3.02	TOTAL DIRECT MATERIAL COST	\$ 75.00
3.03	TOTAL DIRECT EQUIPMENT COST	\$ 412.50
3.04	SUBTOTAL	\$ 1,242.35
3.05	OVERHEAD & PROFIT	\$ 124.23
3.06	TOTAL SUBCONTRACTOR COST	\$ 1,366.58
3.07	TOTAL SUB-SUBCONTRACTOR COST	\$ -
3.08	TOTAL AMOUNT	\$ 1,366.58
3.09	TOTAL BOND AMOUNT	\$ -
3.99	TOTAL CHANGE ORDER REQUEST AMOUNT	\$ 1,367.00

SUBMITTED BY

NAME: Daniel Robles Jr

TITLE: Estimator

DATE: 10/14/2022

Cost proposal increased to \$2,000 total to address the cutting and haul off that are required to side tap the sump basin.

Project: **Downtown County Annex**

Cost Analysis No. 11



Attn: Scott Smith

Location: 320 S Campbell Street
El Paso, Texas 79901

profit calculated off of this amount

Prepared by: Jorge O. Jaramillo

Date: 5-Oct-22

Subject: New Floor Mop Concrete - RFI No. 102

Floor Leveling @ Planter - ASI No. 3

	Description of Work	Quantity	Unit	Unit Price	Cost	Total Cost
RFI No. 102	New Floor Sink Concrete					\$ 785.70
	Quickrete	20.00	EA	\$ 9.75	\$ 195.00	\$ 195.00
	Reinfocement	1.00	LS	\$ 95.00	\$ 95.00	\$ 95.00
	Labor	16.00	HRS	\$ 27.40	\$ 438.40	\$ 438.40
	Epoxy Doweling	2.00	EA	\$ 28.65	\$ 57.30	\$ 57.30
ASI No. 3	Planter Leveling					\$ 829.60
	Self Leveling	10.00	EA	\$ 29.62	\$ 296.20	\$ 296.20
	Bonding Agent	1.00	LS	\$ 45.65	\$ 95.00	\$ 95.00
	Labor	16.00	HRS	\$ 27.40	\$ 438.40	\$ 438.40
					Sub-Total	\$ 1,615.30
					10% OH & P	\$ 161.53
					Total	\$ 1,776.83

Notes:

Ferum-CO 11-RFI 102-10.05.2022



Wednesday, October 05, 2022

Mr. Scott Smith
Jordan Foster Construction
7700 CF Jordan Drive
El Paso, TX 79912

RE: Downtown County Annex – RFI 102
320 S. Campbell Street
El Paso, TX 79901

Mr. Smith:

Per RFI 102 install waterproofing at removed penetration

Price: \$1,100.00 taxes not included

Exclusion:

- Bond, umbrella, or other specialized insurance coverage

We acknowledge plans but no specification

Price is good for 45 days.

Thank you for considering us. Please keep us in mind for future projects that may require expertise and service.

Sincerely,
B&M Building Services

Jaime Rocha

Estimator / Project Manager
(915)317-9454

Labor

Manpower

# of Workers	hrs/day	day/week	\$/hour	ovrhead
2	8	8	\$ 22.62	\$2,895.36
				1.4

\$ 4,054

Material

wood

brds (2x4x8)	\$/Brd w/tax	Delivery
0	11.0415 \$	- \$
		- \$

\$ -

consumables

lot	
\$ 100.00	

\$ 100.00

\$ 4,154

Dumpster

Dumpster

pull	Qty
\$ 475.00	1

\$ 475.00

\$ 475.00

\$ 4,629 checks



Number of pages including cover sheet: 26
Date: 10/312/22 RE: RFI #094
To: Scott Smith Tel: (915) 283-8960
Company Jordan Foster Construction Email: ssmith@jordanfosterconstruction.com
Message: Revised Cost Impact for RFI 094

Scott,

Cost impact for RFI 094 Rev2 pricing will be in the amount of:

Plumbing	\$199,913.35
Mechanical	\$22,141.33
Electrical	\$12,077.00
Total	\$234,131.68

Exclusions:

1. Sales Tax
2. Cutting or Patching of any kind
3. Painting
4. Premium time
5. Repairs or replacements to existing equipment or pumps not included within issued drawings
6. Expedited Shipping
7. Repairs or replacements of existing controls or equipment
8. Trash haul off

Thank you,

Ben Ortega

Bid Summary Report

Downtown Office Annex Estimator: Admin

Job #452

Job Name: Downtown Office Annex

Contractor:

Estimator: Admin

Notes:

Bid Date: 10/31/2022

Summary Description	Material			Labor		
	Extended	%	Adjusted	Extended	%	Adjusted
RFI 94 Basement Hydronics	\$108,003.96	100.00%	\$108,003.96	1,418.25	100.00%	1,418.25

Top Sheet

Raw Cost	\$185,512.71	Sales per Month	\$0.00
Tax	\$0.00	Return per Month	\$0.00
Raw Cost with Tax	\$185,512.71	Price per Square Foot	\$0.00
Overhead	\$18,551.27	Hours per Square Foot	0.00
Profit	\$0.00	Square Feet	0.00
Total Return Amount	\$18,551.27	Job Months	0.00
Total Return %	9.09%	Hours per Week	0.00
Remaining Labor Hours	0.00	Average Hourly Rate w/ Burden	36.30
Price	\$204,063.98	Workers per Day	0.00
Bond	\$0.00	Total Hours	1,418.25
Sell Price	\$204,063.98	Markup Sales Tax (Overhead)	No
Adjusted Sell	\$0.00	Markup Sales Tax (Profit)	No
Adjusted Sell Return 0.00%	\$0.00	Use Bond Table	No

Labor

Class Description	Percent of Total	Hours Distributed	Hourly Rate	Burden Rate	Percent	Labor Cost
Superintendent	1.22%	17.30	\$40.00	\$8.00	20.00%	\$830.53
Journeyman	26.00%	368.75	\$32.95	\$6.59	20.00%	\$14,580.22
Appr 1	22.42%	317.97	\$32.95	\$6.59	20.00%	\$12,572.64
Appr 1	22.40%	317.69	\$24.00	\$4.80	20.00%	\$9,149.44
Appr 1	22.40%	317.69	\$22.00	\$4.40	20.00%	\$8,386.99

Bid Summary Report

Downtown Office Annex **Estimator: Admin**

Job #452

Fitter	2.78%	39.43	\$104.00	\$20.80	20.00%	\$4,920.55
Appr 1	2.78%	39.43	\$22.00	\$4.40	20.00%	\$1,040.89
Totals	100.00%	1,418.25	\$30.25	\$6.05	20.00%	\$51,481.26

Mark Ups

OVERHEAD

PROFIT

	Total		%	Amount		%	Amount
Materials	\$108,003.96	+	10.00%	\$118,804.35	+	0.00%	\$118,804.35
Labor	\$51,481.26	+	10.00%	\$56,629.38	+	0.00%	\$56,629.38
Supplier Quotes	\$1,268.00	+	10.00%	\$1,394.80	+	0.00%	\$1,394.80
SubContractors	\$24,759.50	+	10.00%	\$27,235.45	+	0.00%	\$27,235.45
Direct Job Expense	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00
Equipment Rental	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00
Totals	\$185,512.71		10.00%	\$204,063.98		0.00%	\$204,063.98

Tax Report

	Taxed Amount	Tax Rate %	Tax Amount
Materials	\$108,003.96	0.00%	\$0.00
Labor	\$51,481.26	0.00%	\$0.00
Supplier Quotes	\$0.00	0.00%	\$0.00
SubContractors	\$0.00	0.00%	\$0.00
Direct Job Expense	\$0.00	0.00%	\$0.00
Equipment Rental	\$0.00	0.00%	\$0.00
	Total Tax:		\$0.00

Supplier Quotes

Name	Supplier	Labor Hours	Tax (0.0%)	Unit Cost	Mult	Amount
Thermometers & pressure gauges	Massey Johnson	0.00	No	\$1,268.00	1.00	\$1,268.00
Totals:		0.00				\$1,268.00

SubContractors

Name	Supplier	Labor Hours	Tax (0.0%)	Unit Cost	Mult	Amount
Pipe Insulation		0.00	No	\$21.53	1,150.00	\$24,759.50
Totals:		0.00				\$24,759.50

Bid Summary Report

Downtown Office Annex **Estimator: Admin**

Job #452

Job Name: Downtown Office Annex

Contractor:

Estimator: Admin

Bid Date: 10/31/2022

Summary Description	Material			Labor		
	Extended	%	Adjusted	Extended	%	Adjusted
RFI 94 Credit Original Note 4 Demo	\$937.28	100.00%	\$937.28	80.00	100.00%	80.00

Top Sheet

Raw Cost	\$3,773.30	Sales per Month	\$0.00
Tax	\$0.00	Return per Month	\$0.00
Raw Cost with Tax	\$3,773.30	Price per Square Foot	\$0.00
Overhead	\$377.33	Hours per Square Foot	0.00
Profit	\$0.00	Square Feet	0.00
Total Return Amount	\$377.33	Job Months	0.00
Total Return %	9.09%	Hours per Week	0.00
Remaining Labor Hours	0.00	Average Hourly Rate w/ Burden	35.45
Price	\$4,150.63	Workers per Day	0.00
Bond	\$0.00	Total Hours	80.00
Sell Price	<\$4,150.63>	Markup Sales Tax (Overhead)	No
Adjusted Sell	\$0.00	Markup Sales Tax (Profit)	No
Adjusted Sell Return 0.00%	\$0.00	Use Bond Table	No

Labor

Class Description	Percent of Total	Hours Distributed	Hourly Rate	Burden Rate	Burden Percent	Labor Cost
Superintendent	1.22%	0.98	\$40.00	\$10.80	27.00%	\$49.58
Journeyman	52.00%	41.60	\$32.95	\$8.90	27.00%	\$1,740.81
Appr 1	46.78%	37.42	\$22.00	\$5.94	27.00%	\$1,045.63
Totals	100.00%	80.00	\$27.91	\$7.54	27.00%	\$2,836.02

Bid Summary Report

Downtown Office Annex Estimator: Admin

Job #452

Mark Ups	OVERHEAD			PROFIT	
	Total	%	Amount	%	Amount
Materials	\$937.28	+ 10.00%	\$1,031.01	+ 0.00%	\$1,031.01
Labor	\$2,836.02	+ 10.00%	\$3,119.62	+ 0.00%	\$3,119.62
Supplier Quotes	\$0.00	+ 10.00%	\$0.00	+ 0.00%	\$0.00
SubContractors	\$0.00	+ 10.00%	\$0.00	+ 0.00%	\$0.00
Direct Job Expense	\$0.00	+ 10.00%	\$0.00	+ 0.00%	\$0.00
Equipment Rental	\$0.00	+ 10.00%	\$0.00	+ 0.00%	\$0.00
Totals	\$3,773.30	10.00%	\$4,150.63	0.00%	\$4,150.63

Tax Report		Taxed Amount	Tax Rate %	Tax Amount
Materials		\$937.28	0.00%	\$0.00
Labor		\$2,836.02	0.00%	\$0.00
Supplier Quotes		\$0.00	0.00%	\$0.00
SubContractors		\$0.00	0.00%	\$0.00
Direct Job Expense		\$0.00	0.00%	\$0.00
Equipment Rental		\$0.00	0.00%	\$0.00
		Total Tax:		\$0.00

Tex MEP-RFI 94 Cost Brkdwn REVISED-10.31.22

Job Name: Downtown Office Annex
 Job Number: 452
 Extension Name: **RFI 94 Basement Hydronics**

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Labor	U	Ext CO Labor	CCode	% of Extended Price	% of Extended Hours
Label Set: Combined, Combined, Combined, Combined, Combined											
CCode: PLUMBING LABOR ONLY											
30,159-1	HOUR LABOR -	240.00	\$8.70 E		\$2,088.00	1.20 E		288.00	108	1.93%	20.31%
CCode: SCH 80 STDWLD											
13,230-3/4	THREAD-O-LET-	60.00	\$11.70 E		\$702.00	2.62 E		157.20	18	0.65%	11.08%
CCode: COPPER 95/SCCode:											
149	3/4 L-HARD COPPER TUBE	100.00	\$4.30 E		\$430.00	0.07 E		7.00	2		
2,758	3/4 90 ELBOW CXC	11.00	\$1.96 E		\$21.56	0.55 E		6.05	2		
2,788	3/4 DIELECTRIC UNION FIPxC	2.00	\$17.54 E		\$35.08	0.10 E		0.20	2		
3,023	3/4 TEE CXCXC	1.00	\$3.60 E		\$3.60	0.84 E		0.84	2		
3,119	3/4 COUPLING CXC	4.63	\$1.32 E		\$6.11	0.55 E		2.54	2		
3,168	3/4 ADAPTER CxM	2.00	\$4.66 E		\$9.32	0.30 E		0.60	2		
12,304	3/4 BRASS NIPPLES	2.00	\$18.47 E		\$36.94	0.06 E		0.12	2		
12,651	1-1/2 150# CAST BRS COMPANION FLANGE	6.00	\$132.04 E		\$792.24	0.93 E		5.58	2		
12,652	2 150# CAST BRS COMPANION FLANGE	12.00	\$203.04 E		\$2,436.48	1.02 E		12.24	2		
12,654	3 150# CAST BRS COMPANION FLANGE	2.00	\$364.71 E		\$729.42	1.63 E		3.26	2		
12,655	4 150# CAST BRS COMPANION FLANGE	5.00	\$552.32 E		\$2,761.60	2.46 E		12.30	2		
CCode: SCH - 0 BLACK GROOVED											
7,073	1-1/2 GRV DI PNT 90 ELBOW	13.00	\$66.62 E		\$866.06	0.83 E		10.79	27	53.52%	23.82%
7,075	2-1/2 GRV DI PNT 90 ELBOW	15.00	\$66.62 E		\$999.30	1.13 E		16.95	27		
7,076	3 GRV DI PNT 90 ELBOW	17.00	\$116.38 E		\$1,978.46	1.22 E		20.74	27		
7,077	4 GRV DI PNT 90 ELBOW	79.00	\$126.58 E		\$9,999.82	1.68 E		132.72	27		
7,168	2-1/2 GRV DI PNT TEE	4.00	\$102.43 E		\$409.72	1.62 E		6.48	27		
7,169	3 GRV DI PNT TEE	12.00	\$139.69 E		\$1,676.28	1.79 E		21.48	27		
7,170	4 GRV DI PNT TEE	3.00	\$212.15 E		\$636.45	2.48 E		7.44	27		
7,172	6 GRV DI PNT TEE	5.00	\$567.96 E		\$2,839.80	4.46 E		22.30	27		
7,191	3X2 GRV DI PNT CONC RED	10.00	\$75.26 E		\$752.60	0.99 E		9.90	27		
7,192	3X2-1/2 GRV DI PNT CONC RED	4.00	\$101.87 E		\$407.48	1.08 E		4.32	27		
7,204	6X4 GRV DI PNT CONC RED	7.00	\$195.37 E		\$1,367.59	2.36 E		16.52	27		
7,227	3 GRV DI PNT CAP	2.00	\$57.04 E		\$114.08	0.11 E		0.22	27		

Job Name: Downtown Office Annex
 Job Number: 452
 Extension Name: RFI 94 Basement Hydronics

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Labor	U	Ext CO Labor	CCode	% of Extended Price	% of Extended Hours
7,258 1-1/2	VIC 77 COUPLING	26.00	\$45.09 E		\$1,172.34	0.09 E		2.34 27			
7,259 2	VIC 77 COUPLING	16.00	\$57.63 E		\$922.08	0.11 E		1.76 27			
7,260 2-1/2	VIC 77 COUPLING	58.00	\$65.08 E		\$3,774.64	0.11 E		6.38 27			
7,261 3	VIC 77 COUPLING	86.00	\$75.62 E		\$6,503.32	0.12 E		10.32 27			
7,262 4	VIC 77 COUPLING	174.00	\$92.36 E		\$16,070.64	0.17 E		29.58 27			
7,264 6	VIC 77 COUPLING	34.00	\$177.25 E		\$6,026.50	0.25 E		8.50 27			
7,396 2-1/2X2	GRV DI PNT RED TEE	6.00	\$214.64 E		\$1,287.84	1.51 E		9.06 27			
CCode: SCH 40 BLACK GROOVED											
7,088 6	GRV DI STD LG 90 BASE ELBOW	6.00	\$378.75 E		\$2,272.50	3.77 E		22.62 28		2.1%	1.59%
CCode: SCH 40 BLACK STD WLD											
593 1-1/2	PIPE A53 CW SCH 40 BLK STL	105.00	\$5.02 E		\$527.10	0.16 E		16.80 30			
594 2	PIPE A53 CW SCH 40 BLK STL	21.00	\$6.98 E		\$146.58	0.20 E		4.20 30			
595 2-1/2	PIPE A53 CW SCH 40 BLK STL	83.00	\$14.20 E		\$1,178.60	0.23 E		19.09 30			
596 3	PIPE A53 CW SCH 40 BLK ST	189.00	\$14.20 E		\$2,683.80	0.28 E		52.92 30			
597 4	PIPE A53 CW SCH 40 BLK STL - P.E.	567.00	\$20.21 E		\$11,459.07	0.35 E		198.45 30			
604 6	PIPE A53 ERW SCH 40 BLK STL	84.00	\$38.36 E		\$3,222.24	0.46 E		38.64 30			
12,918 4	CS RF FLANGE-WELD NECK	20.00	\$725.09 E		\$14,501.80	3.90 E		78.00 30			
CCode: PVC SCH 40 DWV											
CCode: C.I. SOIL NO HUB											
CCode: HANGER-R-CLAMP-ETC											
18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
18,741 3/8	BLK ALL THREAD ROD	75.00	\$1.84 E		\$138.00	0.09 E		6.56 49			
18,742 1/2	BLK ALL THREAD ROD	300.00	\$2.90 E		\$870.44	0.10 E		30.00 49			
18,744 3/4	BLK ALL THREAD ROD	80.00	\$7.25 E		\$580.12	0.10 E		8.00 49			
18,789 3/8	BLK HEX NUTS	100.00	\$0.15 E		\$14.79	0.05 E		5.00 49			
18,790 1/2	BLK HEX NUTS	250.00	\$0.36 E		\$89.18	0.05 E		12.50 49			
18,792 3/4	BLK HEX NUTS	30.00	\$0.95 E		\$28.58	0.06 E		1.88 49			
18,819 3/8	BLK WASHER	80.00	\$0.31 E		\$24.71	0.04 E		3.00 49			
18,820 1/2	BLK WASHER	247.00	\$0.54 E		\$132.16	0.04 E		9.26 49			
18,822 3/4	BLK WASHER	247.00	\$1.64 E		\$406.14	0.04 E		9.26 49			
CCode: C.I. SOIL NO HUB											
CCode: HANGER-R-CLAMP-ETC											
18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
18,741 3/8	BLK ALL THREAD ROD	75.00	\$1.84 E		\$138.00	0.09 E		6.56 49			
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18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
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CCode: C.I. SOIL NO HUB											
CCode: HANGER-R-CLAMP-ETC											
18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
18,741 3/8	BLK ALL THREAD ROD	75.00	\$1.84 E		\$138.00	0.09 E		6.56 49			
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CCode: C.I. SOIL NO HUB											
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18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
18,741 3/8	BLK ALL THREAD ROD	75.00	\$1.84 E		\$138.00	0.09 E		6.56 49			
18,742 1/2	BLK ALL THREAD ROD	300.00	\$2.90 E		\$870.44	0.10 E		30.00 49			
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18,822 3/4	BLK WASHER	247.00	\$1.64 E		\$406.14	0.04 E		9.26 49			
CCode: C.I. SOIL NO HUB											
CCode: HANGER-R-CLAMP-ETC											
18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
18,741 3/8	BLK ALL THREAD ROD	75.00	\$1.84 E		\$138.00	0.09 E		6.56 49			
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CCode: C.I. SOIL NO HUB											
CCode: HANGER-R-CLAMP-ETC											
18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
18,741 3/8	BLK ALL THREAD ROD	75.00	\$1.84 E		\$138.00	0.09 E		6.56 49			
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CCode: C.I. SOIL NO HUB											
CCode: HANGER-R-CLAMP-ETC											
18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
18,741 3/8	BLK ALL THREAD ROD	75.00	\$1.84 E		\$138.00	0.09 E		6.56 49			
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18,790 1/2	BLK HEX NUTS	250.00	\$0.36 E		\$89.18	0.05 E		12.50 49			
18,792 3/4	BLK HEX NUTS	30.00	\$0.95 E		\$28.58	0.06 E		1.88 49			
18,819 3/8	BLK WASHER	80.00	\$0.31 E		\$24.71	0.04 E		3.00 49			
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18,822 3/4	BLK WASHER	247.00	\$1.64 E		\$406.14	0.04 E		9.26 49			
CCode: C.I. SOIL NO HUB											
CCode: HANGER-R-CLAMP-ETC											
18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
18,741 3/8	BLK ALL THREAD ROD	75.00	\$1.84 E		\$138.00	0.09 E		6.56 49			
18,742 1/2	BLK ALL THREAD ROD	300.00	\$2.90 E		\$870.44	0.10 E		30.00 49			
18,744 3/4	BLK ALL THREAD ROD	80.00	\$7.25 E		\$580.12	0.10 E		8.00 49			
18,789 3/8	BLK HEX NUTS	100.00	\$0.15 E		\$14.79	0.05 E		5.00 49			
18,790 1/2	BLK HEX NUTS	250.00	\$0.36 E		\$89.18	0.05 E		12.50 49			
18,792 3/4	BLK HEX NUTS	30.00	\$0.95 E		\$28.58	0.06 E		1.88 49			
18,819 3/8	BLK WASHER	80.00	\$0.31 E		\$24.71	0.04 E		3.00 49			
18,820 1/2	BLK WASHER	247.00	\$0.54 E		\$132.16	0.04 E		9.26 49			
18,822 3/4	BLK WASHER	247.00	\$1.64 E		\$406.14	0.04 E		9.26 49			
CCode: C.I. SOIL NO HUB											
CCode: HANGER-R-CLAMP-ETC											
18,715 3/8	CONC INSRT & NUT-BL	3.00	\$4.93 E		\$14.80	0.23 E		0.68 49			
18,741 3/8	BLK ALL THREAD ROD	75.00	\$1.84 E		\$138.00	0.09 E		6.56 49			
18,742 1/2	BLK ALL THREAD ROD	300.00	\$2.90 E		\$870.44	0.10 E		30.00 49			
18,744 3/4	BLK ALL THREAD ROD	80.00	\$7.25 E		\$580.						

Job Name: Downtown Office Annex
 Job Number: 452
 Extension Name: RFI 94 Basement Hydronics

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Labor	U	Ext CO Labor	CCode	% of Extended Price	% of Extended Hours
18,921 4	GALV PIPE CLAMP	5.00	\$2.02 E		\$10.09	0.35 E		1.75 49			
18,975 1-1/2	CLEVIS HGR.--BLK.	16.00	\$3.46 E		\$55.33	0.20 E		3.20 49			
18,976 2	CLEVIS HGR.--BLK.	3.00	\$4.27 E		\$12.80	0.20 E		0.60 49			
18,977 2-1/2	CLEVIS HGR.--BLK.	7.00	\$6.69 E		\$46.80	0.21 E		1.49 49			
18,978 3	CLEVIS HGR.--BLK.	20.00	\$8.01 E		\$160.25	0.23 E		4.50 49			
18,980 4	CLEVIS HGR.--BLK.	60.00	\$10.03 E		\$601.87	0.24 E		14.25 49			
18,982 6	CLEVIS HGR.--BLK.	10.00	\$17.76 E		\$177.57	0.25 E		2.50 49			
19,134 3/8	C-CLAMP ONLY--BLK.	30.00	\$3.91 E		\$117.32	0.21 E		6.38 49			
19,135 1/2	C-CLAMP ONLY--BLK.	80.00	\$4.24 E		\$338.95	0.23 E		18.00 49			
19,137 3/4	C-CLAMP ONLY--BLK.	20.00	\$13.31 E		\$266.22	0.25 E		5.00 49			
CCode: SCH 40 PVC					\$0.00			0.00		0%	0%
CCode: PLUMBING CONSUMABLES					\$68.81			0.00		0.06%	0%
17,005 3/4"	95/5 SOLDER JOINT	29.63	\$1.13 E		\$33.48	0.00 E		0.00 53			
17,008 1-1/2"	95/5 SOLDER JOINT	6.00	\$1.26 E		\$7.56	0.00 E		0.00 53			
17,009 2"	95/5 SOLDER JOINT	12.00	\$1.32 E		\$15.84	0.00 E		0.00 53			
17,011 3"	95/5 SOLDER JOINT	2.00	\$1.54 E		\$3.08	0.00 E		0.00 53			
17,013 4"	95/5 SOLDER JOINT	5.00	\$1.77 E		\$8.85	0.00 E		0.00 53			
17,045 1-1/2"	CS WELD JOINT	5.34	\$0.00 E		\$0.00	0.00 E		0.00 53			
17,046 2"	CS WELD JOINT	2.13	\$0.00 E		\$0.00	0.00 E		0.00 53			
17,047 2-1/2"	CS WELD JOINT	3.53	\$0.00 E		\$0.00	0.00 E		0.00 53			
17,048 3"	CS WELD JOINT	9.49	\$0.00 E		\$0.00	0.00 E		0.00 53			
17,050 4"	CS WELD JOINT	48.13	\$0.00 E		\$0.00	0.00 E		0.00 53			
17,052 6"	CS WELD JOINT	3.63	\$0.00 E		\$0.00	0.00 E		0.00 53			
CCode: PLUMBING EQUIPMENT					\$0.00			0.00		0%	0%
CCode: PLUMBING FIXTURES					\$0.00			0.00		0%	0%
CCode: EXCAVATION/TRENCH					\$0.00			10.00		0%	0.71%
17,132 3'	DEEP X 2' WIDE EXCAVATION	20.00	\$0.00 Q		\$0.00	0.20 E		4.00 86			
17,230 12X24	BACKFILL-COMPACT	60.00	\$0.00 Q		\$0.00	0.10 E		6.00 86			
					\$108,003.96			1418.25			

Job Name: Downtown Office Annex
 Job Number: 452
 Extension Name: **RFI 94 Credit Original Note 4 Demo**

Item #	Item Name	Quantity	Book Price	U	Ext Book Price	Bid Lbr	U	Bid Lbr Ext	CCode	% of Extended Price	% of Extended Hours
Label Set: Combined, Combined, Combined, Combined, Combined											
16.6	PIPE DEMO	160.00	\$5.67 E		\$937.28			80.00		100%	100%
					\$907.20	0.40 E		64.00 93			
30,116	Labor- Pipe Haul off onsite dumpster	16.00	\$1.88 E		\$30.08	1.00		16.00 93			
					\$937.28			80.00			

Tex MEP-RFI 94 Cost Brkdwn REVISED-10.31.22

Downtown County Annex RFI 94 Revised MECH Room Layout

HVAC Estimate Summary

Description	YES/NO	Material	MH	Rate	Labor
Base Bid					
Administration				\$ 28.00	\$0.00
Equipment		\$1,850.00		23.00 \$ 28.00	\$644.00
Subcontractors		\$7,254.00		\$ 28.00	\$0.00
Ductwork		\$3,149.00		59.00 \$ 28.00	\$1,652.00
DW Installation				110.00 \$ 28.00	\$3,080.00
Ductwork DEDUCT		\$ (81.00)		4.00 \$ 28.00	\$ (112.00)
DW Installation DEDUCT				8.00 \$ 28.00	\$ (224.00)
Demolition				42.00 \$ 28.00	\$1,176.00
Comlumn Totals		\$12,172.00		246.00	\$6,216.00

Base Bid					
Material		\$12,172.00			
Labor		\$6,216.00			
Material & Labor		\$18,388.00			
Labor Burden		\$1,740.48			
Sales Tax-NO		\$0.00			
Rental Tax- YES		\$0.00			
Subtotal		\$20,128.48			
MU & OH Cost	10%	\$2,012.85			
Total		\$22,141.33			

Tex MEP RFI 94 Cost Brkdown REVISED-10.31.22

Downtown County Annex RFI 94 Revised MECH Room Layout

Equipment

10/31/2022

Description	Count	Each	Material	RM @	Material	LU Each	MH	Rate	Labor	Material	Item Totals	MH Totals
<i>Exhaust Fan</i>												
EF-4												
HANGER ASSEMBLY	1			\$ 30.00	\$ 30.00	2	2	\$ 28.00	\$ 56.00			
SET UNIT	1			\$ -	\$ -	3	3	\$ 28.00	\$ 84.00			
FLEX CONNECTOR	2			\$ 120.00	\$ 240.00	6	12	\$ 28.00	\$ 336.00			
Lot Equipment			\$ 1,200.00									
<i>Air Distribution</i>												
EF-4 Louver	1			\$ 30.00	\$ 30.00	6	6	\$ 28.00	\$ 168.00			
Lot Equipment			\$ 350.00									
Column Totals			\$ 1,550.00		\$ 300.00		23		\$ 644.00	\$ 1,850.00	\$ 2,494.00	23

Tex MEB RFI 94 Cost Brkdown REVISED-10.31.22

Downtown County Annex RFI 94 Revised MECH Room Layout

Subcontractors

10/31/2022

Description	Count	Each	Material		LU Each	MH	Rate	Labor
T&B			\$ -				\$ 27.00	
Controls	1	\$ 7,254.00	\$ 7,254.00				\$ 27.00	
Insulation Ductwork			\$ -				\$ 27.00	
Duct Cleaning			\$ -				\$ 27.00	
Commissioning			\$ -				\$ 27.00	
Duct Leakage Testing			\$ -				\$ 27.00	
Crane Service			\$ -				\$ 27.00	
Column Totals			\$ 7,254.00					

Tex MEP-RFI 94 Cost Brkdown REVISED-10.31.22

Downtown County Annex RFI 94 Revised MECH Room Layout

Ductwork

Width	Length	Duct Length	LF	LBS	LBS	TLBS	Prefab HRS	Installation MH	Rate
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Prefab*AHU-1 Return Ductwork*

62	12	74	16	33.24	532				\$ 28.00
48	16	64	8	18.75	150				\$ 28.00
16	16	32	25	7.71	193				\$ 28.00

EF-4 Ductwork

Column Totals			24		875				
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Round Duct

Column Totals			0		0	875	59	110	
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Spiral Duct

Column Totals			0		0	0	N/A	0	
---------------	--	--	---	--	---	---	-----	---	--

Spiral Duct Cost	\$	-
Cost of Material	\$	3,149.00
Prefab Labor	\$	1,652.00
Duct Cost	\$	4,801.00

Tex MEP-RFI 94 Cost Brkdwn REVISED-10.31.22

Downtown County Annex RFI 94 Revised MECH Room Layout

Ductwork DEDUCT

Width	Length	Duct Length	LF	LBS	LBS	TLBS	Prefab HRS	Installation MH	Rate
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Prefab

AHU-1 Return Ductwork

24	24	48	5	11.56	58				\$ 28.00
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Column Totals			5	58					
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Round Duct

Column Totals			0	0	58	4	8		
---------------	--	--	---	---	----	---	---	--	--

Spiral Duct

Column Totals			0	0	0	N/A	0		
---------------	--	--	---	---	---	-----	---	--	--

Spiral Duct Cost	\$	-
Cost of Material	\$	81.00
Prefab Labor	\$	112.00
Duct Cost	\$	193.00

Tex MEP-RFI 94 Cost Brkdown REVISED-10.31.22

Downtown County Annex RFI 94 Revised MECH Room Layout

Demolition

Description	Count	LU Each	MH	Rate	Labor
<i>Exhaust Fan Ductwork</i>					
Remove Existing EVAP Cooler	1		6	\$ 28.00	\$ 168.00
Raise Existing Branch Ductwork In Conflict with AHU-1	1		4	\$ 28.00	\$ 112.00
Relocate Existing Chiller	1		32	\$ 28.00	\$ 896.00
Column Totals			42		\$ 1,176.00

Demolition Hours	42
Demolition Cost	\$ 1,176.00

Tex MEP-RFI 94 Cost Brkdown REVISED-10.31.22



CHANGE ORDER

TO: Derek Gonzalez
Texas Mechanical Contractors, LLC
6936 Commerce Ave
El Paso, TX 79915
(915) 855-8800

Job-Name: Downtown Office Annex
Job-Number: 21-0034
Change-Order #: 01
Regarding: RFI 94Rev2

Engineer:

Date of Proposal: 10/19/2022

Inclusions:

Our Scope of Work includes in part:

1. Furnish, installing, and wiring, sensors, and controlled devices for the
 1. 8 Water Temperature sensors with wells
(mechanical contractor to install)
 2. Recommission Refrigerant Monitor for additional exhaust fan
(electrical contractor to run conduit and 120 from exhaust fan)

Grand Total... \$7,254.00

Acceptance of Proposal - The above prices, specifications, and conditions are satisfactory and are hereby accepted.

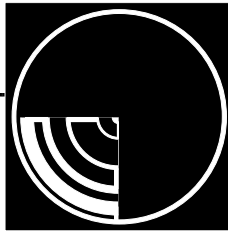
Customer Signature

Title

Date

QUOTATION

NORMAN S. WRIGHT CO.
Manufacturer's Representative
1220 Barranca Ste 5G
EL PASO, TEXAS 79935
PHONE (915) 772-9381
FAX (915) 772-7910



Quote No. 102022
Project: Downtown Annex RFI4rev2
Bid Date:
Estimator: DAVID GALLEGOS
Engineer:
Addendum:

Page 1 of 1

TO : Texas Mechanical

Attn: Estimator

This quotation is subject to acceptance within 30 days.

TERMS: Net 30 FOB Factory Shipment 5+ wks see below Freight Allowance full

- *This quotation does not include starters, access doors/panels, flex connections, flex duct, turning vanes, filters, splitter or motorized dampers, manual or spin-in dampers, quadrant regulators, gauges, extractors, equalizing grids, sheetmetal plenums, sound/RA boots, sleeves, collars, firestats, thermostats, controls, finish on grilles/diffusers/reg's, or labor.*
- Only includes material shown on mechanical plans. Does not include architectural, electrical or structural drawings.
- Add applicable taxes to prices and terms quoted. All orders subject to factory acceptance. No material will be accepted for return.
- **ONLY STANDARD MANUFACTURER WARRANTY APPLIES UNLESS OTHERWISE NOTED**

<u>MARK</u>	<u>QTY</u>	<u>Description</u>	
EF-4	1	DB9 inline exhaust fan with disconnect, BDD and isolators	SELL \$ 1,200.00
LV1	1	EFD645 16x16 flanged frame bird screen mill finish	SELL \$ 350.00

Thank You

Norman S. Wright Co., SW

CONFIDENTIAL - FOR YOUR USE ONLY

Work: EP Annex Type Demo Existing Conditions in Basement

	Material	Hours
option 1	\$ 3,992.90	270.00
option 2	\$ (890.30)	-60.00
option 3	\$ -	
option 4	\$ -	

Subtotal	\$ 3,102.60	210.00
Sales Tax		
Total	\$ 3,102.60	210.00

JW 60%	126.00	JW Total	\$ 4,284.00
APP 40%	84.00	App Total	\$ 1,596.00
Total	210.00		\$ 5,880.00

Labor Burden	\$ 1,646.40
Total	\$ 1,646.40

Material	\$ 3,102.60
Labor	\$ 5,880.00
Job Exp.	\$ 1,646.40
Rental Eq.	\$ 350.00
Sub Total	\$ 10,979.00
Overhead	\$ 1,097.90
Total	\$ 12,076.90

TEXAS EP-RFI 94 Cost Brkdwn REVISED-10.31.22

Work:

Basement Demo

Est. By: BO

Material	Count	Material	Per	Labor	Per
DEMO EXISTING COND.	1	\$ 55.00	E	32.000	E
			E		E
			E		E
			E		E
			E		E
			E		E
			E		E
			E		E
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			E		E
			E		E
		\$ 55.00	T	32.000	T

Job Name:
Work:

EP Annex
Re-pipe Controls

Est. By: BO

Material	Count	Material	Per	Labor	Per
3/4 emt	1500	\$ 1.20	E	0.040	E
3/4 conn	110	\$ 0.95	E	0.040	E
3/4 coup	175	\$ 0.70	E	0.040	E
3/4 minis	225	\$ 0.95	E	0.040	E
			E		E
Pull string	2500	\$ 0.04	E	0.004	E
			E		E
4 sq box	52	\$ 1.65	E	0.180	E
4 sq blank	7	\$ 0.55	E	0.180	E
			E		E
1/4 all tread	250	\$ 5.73	E	0.500	E
1/4 hard ware	1	\$ 75.00	E	0.030	E
			E		E
			E		E
			E		E
			E		E
			E		E
			E		E
			E		E
			E		E
			E		E
			E		E
		\$ 3,937.90	T	226.050	T

TEX MEP-PFI 94 Cost Breakdown REVISED-10.31.22

Job Name:
Work:

EP Annex
RFI 094

Est. By: BO

[illegible]

Job Name:

Est. By: BO

Work:

Material	Count	Material	Per	Labor	Per
3/4 emt	-600	\$ 1.20	E	0.040	E
3/4 conn	-58	\$ 0.95	E	0.040	E
3/4 coup	-73	\$ 0.70	E	0.040	E
3/4 minis	-75	\$ 0.95	E	0.040	E
			E		E
			E		E
			E		E
4 sq box	-24	\$ 1.65	E	0.180	E
4 sq blank	-15	\$ 0.55	E	0.180	E
			E		E
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			E		E
			E		E
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			E		E
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			E		E
			E		E
			E		E
		\$ (945.30)	T	-39.260	T

REQUEST FOR INFORMATION

No. RFI0094

PROJECT:	El Paso County Annex Phase 2 TI - FINISHES :TX:E:I	DATE:	08/11/2022
SUBJECT:	Revised Mechanical Room Layout	JOB:	2077702
TO:	Attn: Steve Franco Carl Daniel Architects 305 Leon St. El Paso, TX 79901 Phone: (915) 533-2700 Fax: (915) 533-2799	REQUIRED:	08/15/2022
		STATUS:	PENDING
		COST IMPACT:	Potentially
		SCHEDULE IMPACT:	Potentially

INFORMATION REQUEST

Due to the existing space in the mechanical room, required clearances for new and existing equipment, and accessibility concerns, the new and existing equipment that is to be installed in the mechanical room will not fit as it shown on the new mechanical plan sheet M203. A new layout was created based off of the new/existing information and was reviewed on site with El Paso County, Carl Daniel Architects, Fluid Systems, Raxis Engineering, Jordan Foster Construction and Texas Electrical. Below is a breakdown of the changes that were discussed during the site meeting on 08.10.2022.

Issue (1) The location of new Air Handler 1 and 2 has been set and the rest of the new/existing equipment will be based off it. This is shown on the attached marked up drawing.

Question (1) Design team, please confirm this is acceptable.

Issue (2) The existing return air duct to the basement level needs to be rerouted to the new air handler 1. The old location of the duct does not line up with the location of the return air side of new air handler 1. See attached photo showing proposed route.

Question (2) As discussed on site, design team, please provide required size of duct, starting from the existing 1'-3" by 4'-0" return air duct.

Issue (3) Per sheet M-203 New Basement Mechanical Plan, the existing chiller and new chiller are shown to be installed on the South side of new Air Handler 1. Due to the required clearances for Air Handler 1 and for the two (2) chillers, this cannot be achieved. After review of the area, it has been determined that the new chiller needs to be relocated to the North side of the mechanical room to meet the required service clearances. The existing chiller to remain needs be moved to the location of the old chiller that was demolished. The relocation of the existing chiller does not provide required all manufacturer service clearances for the unit and was reviewed and approved by EP County. See attached marked up drawing with locations.

Question (3) Design team, please confirm the relocation of the existing chiller and new chiller is acceptable. Also, a piping diagram will be needed from the design team for the relocation of the new chiller.

Issue (4) The existing chillers had an exhaust system and refrigerant monitoring system in proximity. Due to the relocation of the new chiller, it will need a similar exhaust and refrigerant monitoring system installed at the new location. It was discussed that the opening for the existing evap cooler can be used for exhaust to the outside of the building, if the evap cooler can be removed.

Question (4) Design team, please advise what needs to be provided for new chiller at the new location.

Issue (5) The current location of the existing expansion tank does not provide an access path to the South side of the



mechanical room. It was requested by EP County to move the expansion tank to the North side of the closest concrete column. See attached drawing for new proposed location that was reviewed on site on 08.10.2022.

Question (5) Design team, please confirm that this is acceptable.

Issue (6) The two (2) new boilers have been relocated due to the relocation of the new chiller to the North side of the mechanical room and to provide the manufacturer service clearance. See attached layout.

Question (6) Design team, please confirm this is acceptable.

Issue (7) The two (2) new water pumps have been relocated due to the relocation of the new chiller and to maintain the required manufacturer service clearance. See attached layout.

Question (7) Design team, please confirm this is acceptable.

Issue (8) The existing pressure tank to remain needs to be relocated. It was discussed on site to relocate the tank to the Southwest corner of the mechanical room. See attached drawing.

Question (8) Design team, please confirm this is acceptable.

Issue (9) It was discussed on site that the existing evap cooler on the East side of the room is not needed, per EP County.

Question (9) Design team, please confirm that the existing evap cooler can be removed.

POSSIBLE SOLUTION:

In providing a proposed solution, Contractor is not providing design services contemplated under Title 6, Occupations Code. Design Team's acceptance/approval of the Contractor's proposed solution is at the sole discretion of the Design Team.

Requested By: Jordan Foster Construction LLC

Signed: _____

Date: 08/11/2022

Joshue Guereque

Phone: 915 877-3333

Fax: 915 877-3999

Email: JGuereque@jordanfosterconstruction.com

ANSWER:

Answered By: Carl Daniel Architects

Signed: _____

Date:

Steve Franco

Answer"

#1: We do not oppose to the locations of Air Handlers 1 and 2.

#2: Duct with dimensions will be shown on revised sheet with route agreed upon.

#3: We do not oppose to the relocation of existing chiller and new chiller, a piping layout will be provided.

#4: Will provide a new exhaust system for new chiller, existing wall opening shall be used to exhaust.

#5: We do not oppose to the relocation of existing expansion tank. New location will be shown on provided revised sheet.

#6: We do not oppose to the relocation of new boilers. New location will be shown on revised sheet.

#7: We do not oppose to the relocation of new water pumps. New location will be shown on revised sheet.

#8: We do not oppose to the relocation of existing pressure tank. New location will be shown on revised sheet.

#9: We do not oppose to the removal of existing evaporative cooler, demolition will be shown on revised sheet.

Jose A. Bernal P.E./ Javier Alvarez

Fluid Systems, Inc.

September 29, 2022.

From: [Jesus Machado](#)
To: [Scott Smith](#)
Subject: [EXTERNAL] Fw: 2020.021- El Paso County Annex RFI #94
Date: Tuesday, October 4, 2022 5:03:24 PM
Attachments: [RFI 94 -SUBMITTED- Revised Mechanical Room Layout- Rresponse.pdf](#)
[2020.021-TELLEZ ACADEMY- Sheet - M100 - LEGEND, NOTES, SCHEDULES AND DETAILS.pdf](#)
[2020.021-TELLEZ ACADEMY- Sheet - M200 - BASEMENT - DEMOLITION MECHANICAL PLAN.pdf](#)
[2020.021-TELLEZ ACADEMY- Sheet - M203R - BASEMENT - NEW MECHANICAL PLAN.pdf](#)
[2020.021-TELLEZ ACADEMY- Sheet - M300 - ENLARGED MECHANICAL PLAN.pdf](#)
[2020.021-TELLEZ ACADEMY- Sheet - P203 - BASEMENT - NEW PLUMBING PLAN.pdf](#)

Notice: This email originated outside of Jordan Foster Construction, please exercise caution with links and attachments.

Scott,

Please see the attached RFI response.

Jesus Machado



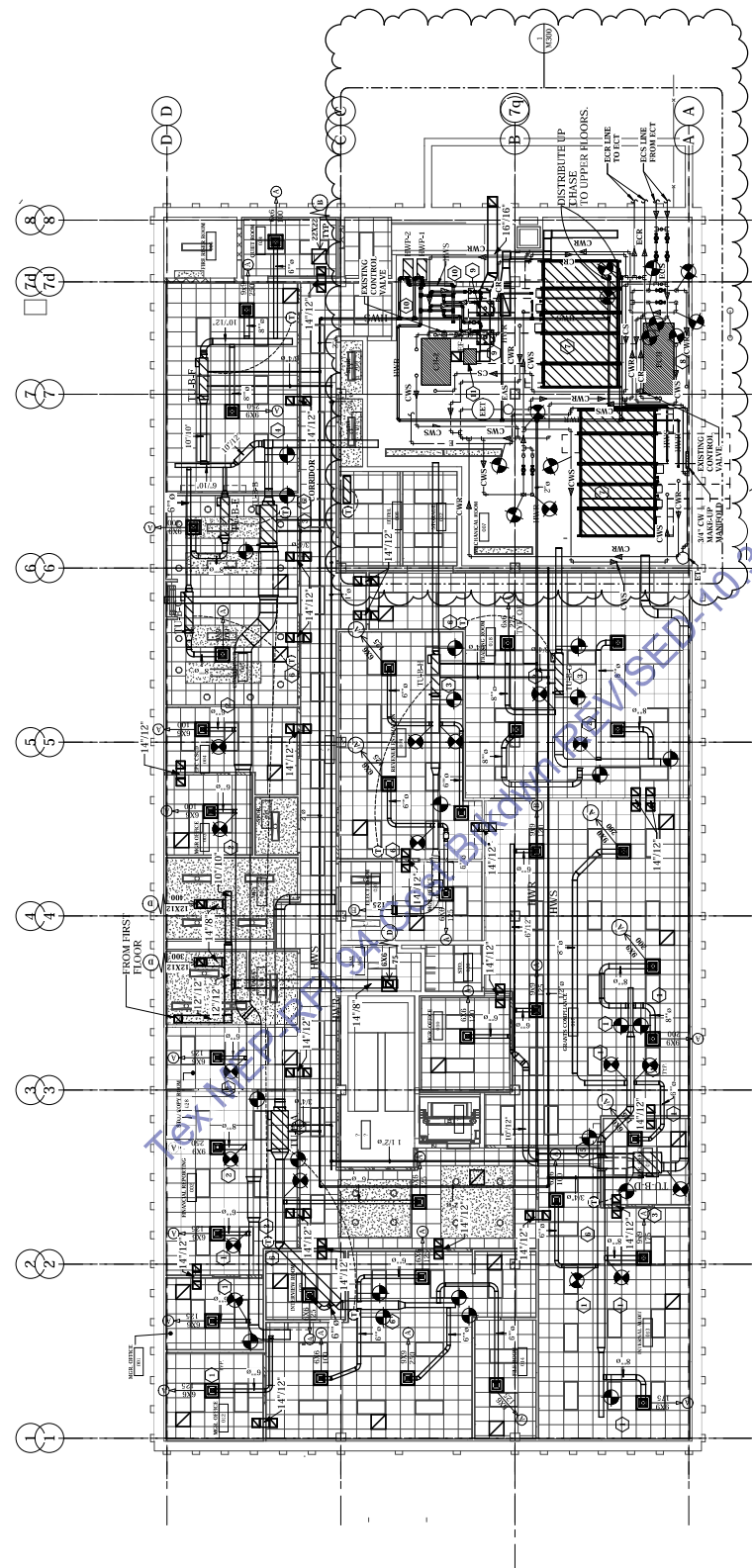
From: FLUID BRADLEY <fluid.systems@sbcglobal.net>
Sent: Tuesday, October 4, 2022 5:01 PM
To: Jesus Machado <jmachado@cdaelpaso.com>
Cc: jbernal.fsi@sbcglobal.net <jbernal.fsi@sbcglobal.net>
Subject: 2020.021- El Paso County Annex RFI #94

Good afternoon Jesus,

Attached please find our response as well as the updated sheets that were affected by RFI #94.

Respectfully,

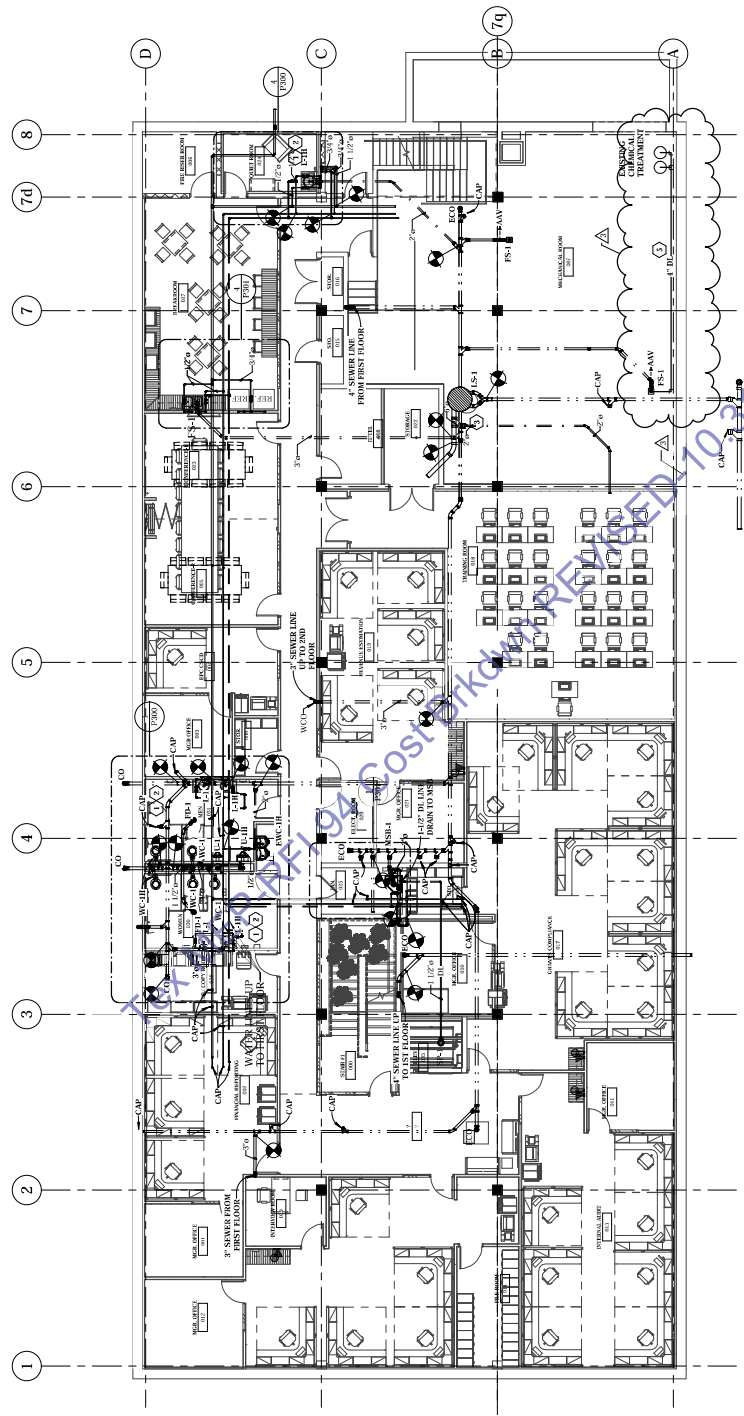
Javier Alvarez
Fluid Systems, Inc.
12244 Rathmore Dr.
El Paso, Tx. 79928
(915)856-9420




BASEMENT - NEW MECHANICAL PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES

1. PROVIDE NEW SUPPLY DIFFUSER, CONNECT TO EXISTING DUCT, PROVIDE DUCT AND FLEX AS REQUIRED.
2. TAP EXISTING DUCT AND PROVIDE NEW SUPPLY DUCT.
3. PROVIDE NEW TERMINAL UNIT RECONNECT TO EXISTING DUCTWORK.
4. PROVIDE NEW TERMINAL UNIT RECONNECT TO EXISTING DUCTWORK.
5. EXTEND EXISTING MEDIUM PRESSURE DUCT AND INSTALL NEW TERMINAL.
6. EXTEND EXISTING SUPPLY DUCT AND PROVIDE NEW SUPPLY DIFFUSERS.
7. INSTALL NEW AIR HANDLER, RECONNECT TO EXISTING SUPPLY AND RETURN DUCT.
8. INSTALL EXISTING WATER COOLED CHILLER, RECONNECT TO CHILLED AND CONDENSED WATER PIPING.
9. INSTALL NEW HOT WATER BOILER AND ASSOCIATED PUMP, ALL HOT WATER LINES TO BE NEW.
10. RECONNECT FILLS AND GAS LINES.
11. INSTALL NEW HOT WATER ALTERNATING PUMPS, EXTEND AIR PIPING TO BUILDING.
12. INTERLOCK #2-4 WITH EXISTING LIGHT SWITCHES TO RUN THE FAN WHEN LIGHTS ARE ON, AND SHUT OFF THE FAN WHEN LIGHTS ARE OFF. PROVIDE FAN CONTROLS IN THE ELECTRICAL ROOM. SMALL CONTROL FAN, AND BOILERS ARE TO SHUT OFF IN THE EVENT OF A REFRIGERANT LEAK FROM EXISTING MACHINE ROOM SAFETY SYSTEM PRESS.



 **BASEMENT - NEW PLUMBING PLAN**
1/8" = 1'-0"

- ## KEYED NOTES
- ① PROVIDE NEW PLUMBING FIXTURES, SAW CUT CONCRETE SLAB, AND INSTALL ALL NEW WASTE LINES.
 - ② EXTEND EXISTING HOT AND COLD WATER LINES TO FEED NEW PLUMBING FIXTURES.
 - ③ PROVIDE NEW LIFT STATION SYSTEM EXISTING SUMP TO REMAIN. REFINISH EXISTING STUMPS WALLS.
 - ④ **REMOVE EXISTING ROOF AND GROUND CONNECTION FOR LANDSCAPE. COORDINATE WITH LANDSCAPE DRAWINGS.**
 - ⑤ EXISTING 8" FRAMING LVL TO WALL
 - ⑥ PROVIDE NEW APT TO FLOOR SLAB, CONNECT TO NEAREST COLD WATER LINE.



REQUEST FOR INFORMATION

No. RFI0102

PROJECT:	El Paso County Annex Phase 2 TI - FINISHES :TX:E:I	DATE:	09/06/2022
SUBJECT:	Leak at Existing Sewer Line at Mechanical Room	JOB:	2077702
TO:	Area	REQUIRED:	09/08/2022
	Attn: Steve Franco	STATUS:	PENDING
	Carl Daniel Architects	COST IMPACT:	Potentially
	305 Leon St.	SCHEDULE IMPACT:	Potentially
	El Paso, TX 79901		
	Phone: (915) 533-2700		
	Fax: (915) 533-2799		

INFORMATION REQUEST:

The following was discovered while operating the existing sump pump in the mechanical room:

-The sump pump was turned on and after about 10 seconds, water began to leak from the gravity fed line on the interior side of the mechanical line. A crack in the pipe was discovered, but no water was being pumped through the gravity fed line.

-The force main sewer line and gravity fed sewer line were uncovered on the exterior of the building for further investigation.

-The sump pump was turned on and after about 10 seconds, water began to leak through through the gravity line on the interior side of the mechanical room and on the exterior side as well. Two cracks/leak points were discovered on the gravity fed line. One on the North side of the existing check valve and one on the South side of the check valve.

It appears as as though fluids are being pumped through the force main line and are falling back into the gravity fed line, past the existing check valve which is no longer functioning correctly, and leaking through the cracks in the pipe.

This was reviewed on site with Jose Bernal (Fluid Systems, Inc.) on 09/02/2022.

Design team, please advise how to proceed given this existing condition.

See attached photos for reference.

POSSIBLE SOLUTION:

Based off the discovered existing conditions, the following was discussed on site and is being proposed:

Option 1:

-Remove the portion of cracked 4" gravity fed sewer line and replace with PVC pipe.

Design team, please confirm this is acceptable.

-Remove the existing check valve and install a new valve.

Design team, please confirm this is an acceptable solution.



-The existing valve had about a 14" round metal pipe that was to provide access to the valve which is approximately 5'-0" below grade. It is being proposed to install a concrete manhole to provide access for future maintenance to the check valve.

Design team please confirm this is an acceptable solution.

-It is being proposed to replace any existing cast iron pipe on the gravity fed and force main sewer lines with new PVC pipe, within the limits of the mechanical room.

Design team, confirm if this is required.

Option 2:

- Cancel the portion of the existing 4" gravity fed sewer line from the sump pit area out to where it connects to the main sewer line at the exterior of the building and cap the line. This would eliminate having two sewer lines running out to the sewer main. The existing opening in the concrete wall below grade is approximately 0'-8" in diameter and could potentially be reused to reroute the force main sewer line through, as mentioned below.


Design team, please advise if this is acceptable and where to cut/cap the 4" gravity fed line.

-Reroute the existing 4" gravity fed sewer line into the sump pit basin with new PVC pipe. It is being proposed for the 4" line to enter the sump pit basin through the top, as opposed to entering through the side of the basin underground. A coupler can be installed for the PVC pipe "x" amount of feet above the basin in order to allow removal of the pipe for future maintenance within the basin.

Design team, please advise if it would be acceptable to route the line through the top of the basin. If not, then the line would need to be routed underground into the basin.

Also, please advise if the existing 4" force main sewer line (from the sump pit basin to the sewer main) is a sufficient size to withstand the additional flow/pressure. If not, please advise what size of pipe is required. The existing opening for the gravity fed pipe is approximately 0'-8" and could potentially be used to reroute the larger diameter force main pipe to the exterior of the building and avoid drilling a new hole.

Requested By: Jordan Foster Construction LLC

Signed:  Joshua Guereque
jguereque@jordanfosterconstruction.com,
915-479-6301
2022.09.06 14:54:44-06'00'

Date: 09/06/2022

Joshua Guereque
Phone: 915 877-3333
Fax: 915 877-3999
Email: JGuereque@jordanfosterconstruction.com

ANSWER:



Jordan Foster Construction LLC
7700 CF Jordan Drive
El Paso TX 79912-8802

Answered By: Carl Daniel Architects

Signed: _____
Steve Franco

Date:

We are not opposed to the replacement of cast iron fittings, new fittings shall be PVC. The existing 6" line shall be rerouted to drain at the bottom of lift station, portion of the existing 6" line shall be demolished and capped air tight at point of connection with the main line. Existing 2" overhead line tapping into forced main shall be partially demolished and rerouted to tap into rerouted 6" line draining into lift station. Existing floor drains on Mechanical Room are to be replaced and relocated to accommodate new equipment lay out. Revised sheets will be provided demonstrating the changes.

Jose A. Bernal P.E./ Javier Alvarez

Fluid Systems, Inc.

September 29, 2022.

RFI 102REV2-RESP-Leak at Existing Sewer Line-10.05.2022

From: [Jesus Machado](#)
To: [Scott Smith](#)
Subject: [EXTERNAL] Fw: 2020.021- El Paso County Annex RFI #102
Date: Tuesday, October 4, 2022 5:04:53 PM
Attachments: [RFI 102 -SUBMITTED- Leak at Existing Sewer Line - Response.pdf](#)
[2020.021-TELLEZ ACADEMY- Sheet - P200 - BASEMENT - DEMOLITION PLUMBING PLAN.pdf](#)
[2020.021-TELLEZ ACADEMY- Sheet - P203 - BASEMENT - NEW PLUMBING PLAN.pdf](#)

Notice: This email originated outside of Jordan Foster Construction, please exercise caution with links and attachments.

Scott,

Please see the attached RFI Reponse.

Jesus Machado



From: FLUID BRADLEY <fluid.systems@sbcglobal.net>
Sent: Tuesday, October 4, 2022 5:02 PM
To: Jesus Machado <jmachado@cdaelpaso.com>
Cc: jbernal.fsi@sbcglobal.net <jbernal.fsi@sbcglobal.net>
Subject: 2020.021- El Paso County Annex RFI #102

Good afternoon Jesus,

Attached please find our response as well as the updated sheets that were affected by RFI #102.

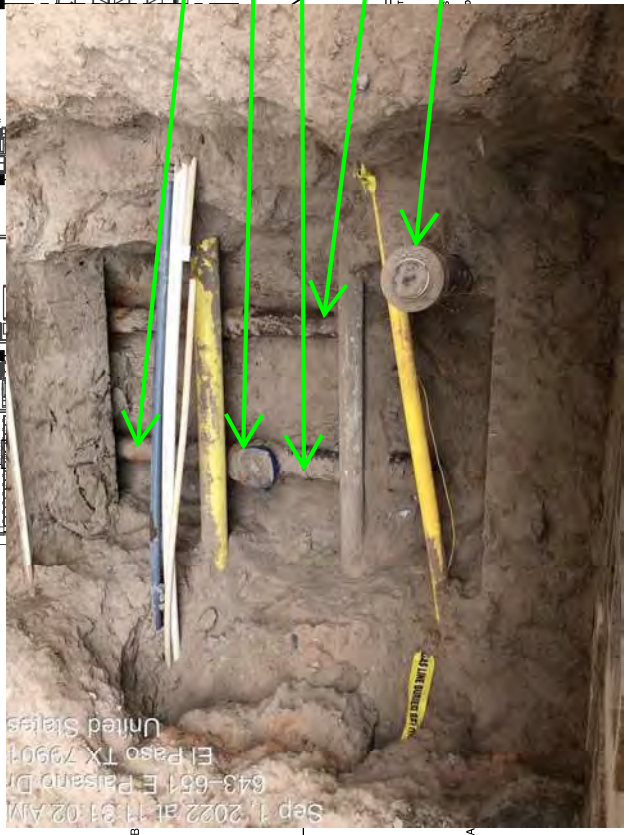
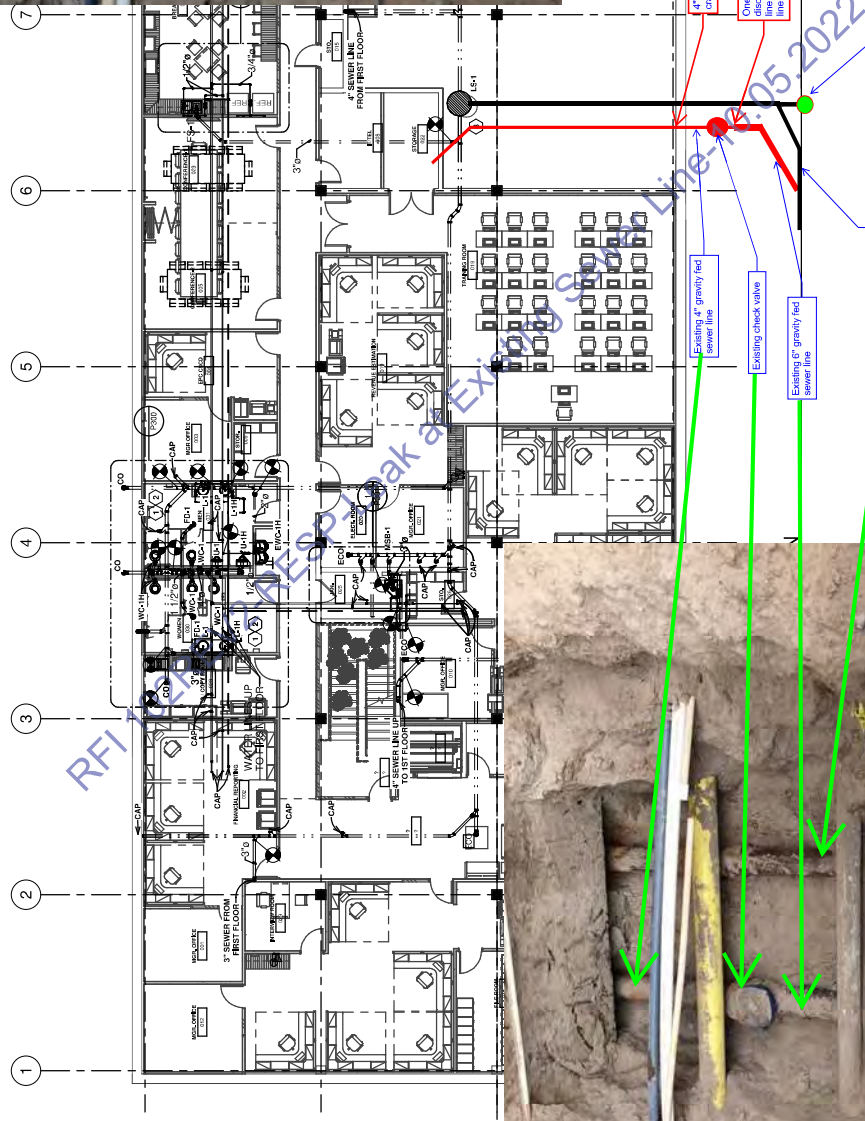
Respectfully,

Javier Alvarez
Fluid Systems, Inc.
12244 Rathmore Dr.
El Paso, Tx. 79928
(915)856-9420

OPTION 1

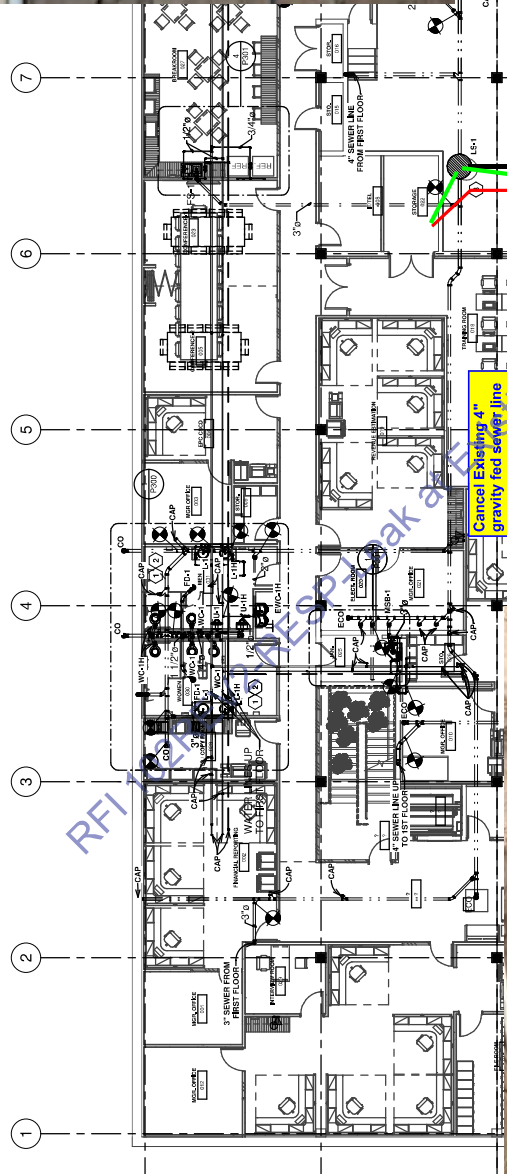
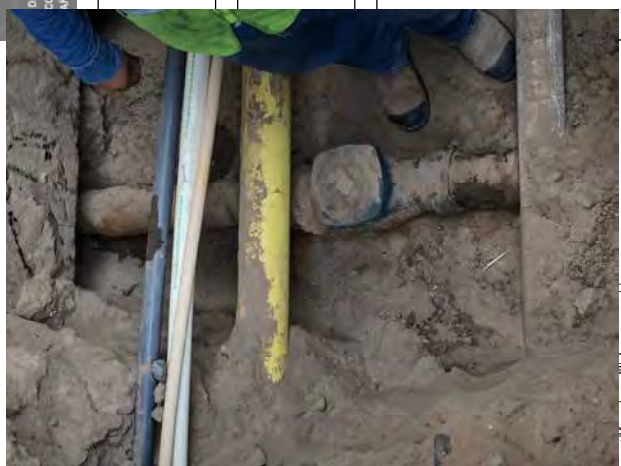


Red line is the existing 4" gravity fed sewer line.
Black line is the existing 4" force main sewer line directly from the sump pump
Option 1 includes the following:
- Replacing the cracked portion of the existing 4" gravity fed sewer line.
- Replacing the existing check valve with a new one
- Installing a new concrete manhole to provide access to the check valve that is approximately 5'-0" below grade
- Replacing all sewer line piping with new PVC pipe, within the limits of the mechanical room



OPTION 2

2/19/2021 2:41:38 PM
DANIEL
ARCHITECTS
1000 N. 10TH ST.
SUITE 100
EL PASO, TX 79901
PH: 915.533.2296
FAX: 915.533.2297
WWW.DANIELARCHITECTS.COM



Red line is the existing 4" gravity fed sewer line.

-Black line is the existing 4" force main sewer line directly from the sump pump

-Green line is the proposed route for the larger diameter force main sewer line if it needs to be up sized and if the gravity fed line can be routed directly into the basin. The 8" opening where the gravity fed line is can be reused for a larger diameter pipe routed to the exterior of the building. If the pipe does not need to be up sized, then the force main will follow existing route.

Cancel Existing 4" gravity fed sewer line and cap on the exterior side of the building.

Existing check valve can be removed if gravity fed line is routed directly into sump pump basin.

Existing 6" gravity fed sewer line can be capped at location determined by Fluid Systems.

4" sewer line has crack and is leaking

One crack discovered where 4" line transitions to 6" line

Existing 4" force main sewer line appears to transition into a 6" main line just as the gravity fed line is.

Existing clearance



FLUID SYSTEMS, INC.
FLUID SYSTEMS, INC.
10000 N. 10TH ST. SUITE 100
EL PASO, TEXAS 79901
OFFICE: 915.533.2296

SHEET
P203

BASEMENT - NEW
PLUMBING PLAN



7700 CF Jordan Drive
El Paso, TX 79912-8802
P: 915-877-3333
F: 915-877-3999

A Foundation of Excellence

SEALANT USED
TO WATER
PROOF
UNDERGROUND
ELECTRICAL LINE
PENETRATIONS

SUBMITTAL REVIEW

Submittal No. 07900-10

Project: El Paso County Downtown Annex Office TI
Project No.: 2077702
Owner: El Paso County
Architect/Engineer: Carl Daniel Architects
Subcontractor/Vendor: B&M Building Services
Submittal Name: Joint Sealants – Below Grade Water Proofing
Specification Section: 07900

GENERAL CONTRACTORS REVIEW

This review does not relieve the subcontractor or supplier of any responsibility for correct dimensions, materials, quantities, coordination with other trades, errors & omissions in these drawings, and full compliance with the contract documents.

☒ Reviewed
☐ Reviewed as Noted
☐ Revise & Resubmit
☐ Resubmitted as noted

Joshue Guereque

Joshue Guereque
Project Engineer

03/30/2022
Date

ARCHITECT/ENGINEER REVIEW



REVIEW IS FOR
GENERAL
COMPLIANCE
WITH
CONTRACT
DOCUMENTS. NO
RESPONSIBILITY
IS ASSUMED
FOR
CORRECTNESS
OF DIMENSIONS
OR DETAILS.

NO EXCEPTION TAKEN
MAKE CORRECTIONS NOTED
AMEND & RESUBMIT
REJECTED - SEE REMARKS

BY:

DATE:

3/31/22

Comments: Water proofing products are to seal around the penetrations that were made to run the main electrical feeders into the basement level.

This form is used for the sole purpose of identifying and expediting review of shop drawings and other submittals.

Product Description

Dymeric® 240FC is a gun-grade, multi-component, chemically-curing, polyurethane sealant that includes a tintable base, curative packet, and a choice of 70 standard colors. A Limestone Pretinted version is also available.

Basic Uses

Dymeric 240FC's applications range from pre-cast tilt-up concrete, masonry, and exterior insulating and finishing systems (EIFS), to metal curtain walls, and perimeter joints around doors and windows. It can also be used in certain water immersed applications.

Features and Benefits

- Dymeric 240FC is an all-around general-purpose sealant that provides flexible, long life and durable waterproofing for both new construction and restoration projects in a fast curing formulation.
- Dymeric 240FC is formulated to be a lightweight material designed for extremely easy mixing, even in cold temperatures.
- Dymeric 240FC is a solvent-free product that is compliant with all existing VOC regulations. Please contact your local Sales Representative or Tremco's Technical Service Department for information regarding immersed conditions.

Coverage Rates

308 linear feet of joint per gallon for a 1/4" X 1/4" joint. For specific coverage rates that include joint size, and usage efficiencies, visit our website usage calculator at www.tremcosealants.com.

Packaging

1.5-gal (5.7-L) and 3-gal (11.4-L) kits with pre-measured pouches of curing agent.

Colors

Dymeric 240FC is available as a base and curative that can be tinted to your choice of 70 standard colors, or we can match a special color for you. A color pak is not required for the pretint version.

Availability

Immediately available from your local Tremco Field Representative, Tremco Distributor or Tremco Warehouse.

Storage

Store Dymeric 240FC in original, undamaged packaging in a clean, dry, protected location with temperatures between 40 to 110 °F (5 to 43 °C).

Applicable Standards

Dymeric 240FC meets or exceeds the requirements of the following specifications:

- ASTM C920-02 Type M, Grade NS, Class 50, Use T, NT, M, A and O (granite), I (Class 2)
- U.S. Federal Specification TT-S-00227E Class A, Type II
- CAN/CGSB 19.24-M90 Class B, Type II
- UL 2079 (ASTM E1966), CAN/ULC S115

Fire Rated Systems

CJ-D-0015, CJ-D-0016, CJ-D-0017, FF-D-1061, FF-D-1181, FF-S-1030, FF-S-1046, FW-D-1057, FW-D-1112, FW-S-1024, FW-S-1014, HW-D-1052, HW-D-1119, HW-S-1011, WW-D-1052, WW-D-1197, WW-S-1033

Limitations

- Pot life (after curative packet added): 3.0 to 3.5 hr at 77 °F (25 °C), 1.5 to 2.0 hr at 95 °F (35 °C), 1.0 to 1.5 hr at 120 °F (48.9 °C).

- Do not apply Dymeric 240FC to damp or contaminated surfaces.
- Always utilize the accompanying MSDS for information on Personal Protective Equipment (PPE) and Health Hazards.
- The use of a Tremco Universal Color Pak is always required except with the pretinted Limestone.

Substrate Preparation

Surfaces must be sound, clean, and dry. All release agents, existing waterproofing, dust, loose mortar, laitance, paints, or other finishes or field applied coating must be removed. This can be accomplished with a thorough wire brushing, grinding, sandblasting, or solvent washing, depending on the contamination.

Tremco recommends that surface temperatures be 40 °F (5 °C) or above at the time the sealant is applied. If sealant must be applied in temperatures below 40 °F, please refer to the Tremco Guide for Applying Sealants in Cold Weather that can be found on our website at www.tremcosealants.com

Priming

Dymeric 240FC typically adheres to common construction substrates without primers; however, Tremco always recommends that mock-up or field adhesion test be performed on the actual materials being used on the job to verify the need for a primer, proper cleaning and prep requirements. The field adhesion test can be found in appendix X1 of ASTM C1193, Standard Guide for Use of Joint Sealants.

When deemed necessary, use Tremco Primer #191 QD for porous substrates and TREMPRIME Non-Porous Primer for metals and plastics.

Application

Mix in accordance with instructions on the pail using the entire pre-measured curative packet and your selected Universal Color Pak. One color pak should be used with 1.5-gal pails and 2 color packs should be used in the 3-gal pail. Mix all three parts for a minimum of 6 min, scraping the sides of the pail and until there are no color striations. A color pak is not required for the pretint version.

Ensure the backer rod is properly friction-fitted and any primers have been applied.

Apply sealant with conventional caulking equipment filling the joint from the backer rod up. Immediately tool the sealant with a spatula to ensure intimate contact with the joint walls.

Dry tooling is always preferred, although xylene can be used in limited amounts to slick the spatula if needed.

For a cleaner finish, mask the sides of the joint with tape prior to filling.

Joint Design

Dymeric 240FC may be used in any vertical or horizontal joint designed in accordance with accepted architectural/engineering practices. Joint width should be 4 times anticipated movement, but not less than 1/4" (6.4 mm).

Joint Backing

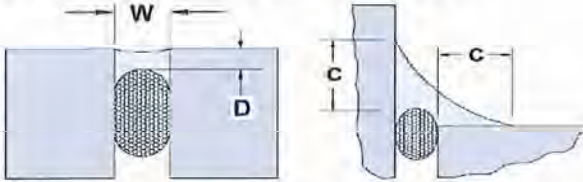
Closed cell or reticulated polyethylene backer rod is recommended as joint backing to control sealant depth and to ensure intimate contact of sealant with joint walls when tooling. Where depth of joint will prevent the use of backer rod, an adhesive backed polyethylene tape (bond breaker tape) should be used to prevent three-sided adhesion. All backing should be dry at time of sealant application.

Dymeric® 240FC

Fast-Curing, Multi-Component, Polyurethane Sealant

Sealant Dimensions

W = Sealant width, D = Sealant depth, C = Contact area.



EXPANSION JOINTS - The minimum width and depth of any sealant application should be 1/4" by 1/4" (6 mm by 6 mm). The depth (D) of sealant may be equal to the width (W) of joints that are less than 1/2" wide.

For joints ranging from 1/2" to 1" (13 mm to 25 mm) wide, the sealant depth should be approximately one-half of the joint width. The maximum depth (D) of any sealant application should be 1/2" (13 mm). For joints that are wider than 1" (25 mm) contact Tremco's Technical Service Department, or your local Tremco field representative.

WINDOW PERIMETER - For fillet beads, or angle beads around windows and doors, the sealant should exhibit a minimum surface contact area [C] of 1/4" onto each substrate, with provisions for release at the heel of the angle using backer rod or bond breaker tape.

Cure Time

At 72 °F (22 °C) Dymeric 240FC will reach full cure in about 48 hr. As the temperatures decrease, the cure time will increase. A good rule of thumb is an additional 24 hr for every 10 °F decrease in temperature.

Clean Up

Excess sealant and smears adjacent to the joint interface can be carefully removed with xylene or mineral spirits before the sealant cures. Any utensils used for tooling can also be cleaned with xylene or mineral spirits.

Warranty

Tremco warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUES
Type		Two component gun-grade urethane sealant
Color		Dymeric 240FC is available as a base and curative that can be tinted to your choice of 70 standard colors, or we can match a special color for you. A color pak is not required for the pretint version.
Solids		99%
Specific Gravity		1.06
Application		Gun-grade sealant, applied with typical caulking equipment
Low Temp. Flexibility	ASTM C793	Passes at -15F (-9C)
Hardness, durometer scale "A"	ASTM C661	30 ±3
Weight Loss	ASTM C1246	Passes
Skin Time	ASTM C679	3 hr
Tack Free Time	73.4°F (23°C) 50% RH	19 hr
Stain and Color Change	ASTM C510	No stain, No color change
Adhesion-in-Peel	ASTM C794	>10 pli (pass)
Accelerated Weathering	ASTM C793	Pass
Movement Capability	ASTM C719*	±50%

*Modified

0819/DYMERIC240FCDS-ST

Tremco Commercial Sealants & Waterproofing

3735 Green Rd
Beachwood OH 44122
216.292.5000 / 800.321.7906

1451 Jacobson Ave
Ashland OH 44805
419.289.2050 / 800.321.6357

220 Wicksteed Ave
Toronto ON M4H1G7
416.421.3300 / 800.363.3213

1445 Rue de Coulomb
Boucherville QC J4B 7L8
514.521.9555



APPLICATION INSTRUCTIONS

1. Purpose

- 1.1 The purpose of this document is to establish uniform procedures for installing TREMproof® 250GC cold fluid-applied membrane in below-grade waterproofing applications.
- 1.2 The techniques involved may require modifications to adjust to jobsite conditions. Consult your Tremco Representative for specific design requirements.

2. Scope

- 2.1 This document will provide the necessary instructions for the application of TREMproof 250GC cold fluid-applied membrane to qualify for the manufacturer's warranty. Tremco recognizes that site-specific conditions, weather patterns, contractor preferences and membrane detailing may require deviation or alteration from these prescribed installation procedures. When such circumstances and situations exist on a project, Tremco recommends that the local Tremco Sales Representative or Technical Services be contacted for assistance and approval as required.

3. Possible System Components

- Dymonic® 100
- HDPE Protection Course
- Paraterm® Bar
- TREMDrain® Series Drainage Mats and Protection Boards
- Tremco 2450 Protection Board
- Tremco Protection Mat
- Nudura® Insulated Concrete Forms (ICF)
- ExoAir® Low-Expanding Foam (LEF)
- Nudura® Low-Expansion Spray Foam
- TREMproof® 250GC-T

4. Substrate Preparation

- 4.1 Surface to be waterproofed may be dry or damp concrete or dry treated plywood, and shall be clean, sound and free of all contaminants which may interfere with adhesion or proper curing of the membrane. If release agents are present, they must be removed prior to the application of TREMproof 250GC.
- 4.2 Concrete slabs should be light steel troweled followed by a fine hair broom or equivalent finish achieving a CSP 3-4. Concrete surface shall be free of voids, exposed aggregate areas, honeycombs, splatters, ridges, fins and other projections or depressions which preclude a smooth and level surface. All reinforcing, including cut off rebar, shall be covered by a minimum of 3/4" (18 mm) of concrete, epoxy or approved repair mortar.
- 4.3 Concrete that is to receive waterproofing shall be water-cured. Consult Architect or Engineer for minimum cure time on concrete

before water cure can be stopped and foot traffic is permitted. Allow a minimum of 24 hours for concrete surface to dry after stopping water cure on decks or removing forms from walls or underside of decks. In the event it is necessary to use a curing agent, contact your local Tremco Representative.

- 4.4 Most dissipating types of curing compounds require removal before membranes can be successfully applied. Numerous manufacturers claim their curing compounds will not affect the adhesion of membranes and sealants and in some cases they may not. Sometimes the breakdown of the curing compound does not happen and/or the residual materials are left on the concrete and can cause adhesion problems with the membrane. Tremco will not accept responsibility for adhesion failures caused by curing compounds.
- 4.5 Concrete masonry unit construction may receive a parge coat of acceptable cementitious coating approved by Tremco. All CMU walls must have all joints solid grouted and struck flush with no voids.
- 4.6 Plywood that is to receive waterproofing shall be exterior grade plywood, 5/8" (16 mm) thick minimum, with "A" side up, fastened with ring-shank nails. OSB and particle board are not acceptable as a substrate.
- 4.7 For metal or PVC substrates, surface needs to be mechanically abraded, cleaned and primed with TREMprime Non-Porous Primer.
- 4.8 Metal flashing that is to receive waterproofing shall be set in a continuous bedding bead of Dymonic 100. Install sealant S-bead between metal laps and mechanically fasten to substrate along leading edges every 4" (10 cm) O.C., staggered linearly to lie flat without fishmouths. To keep this from occurring, do not countersink fasteners; keep them flush. It is preferred the wood or concrete be routed in the leading edges, so the flashing lies flush with the decking.
- 4.9 For horizontal applications, follow good drainage practice to permit unimpeded water flow to drain(s) that are a type and number sufficient to allow water to thoroughly evacuate the membrane surface.
- 4.10 All penetrations shall be encased in concrete. Penetrations must be solid grouted in place. No flexible pipe or corrugated pipe of any type shall be used for a through slab penetration. Penetrations shall be spaced a minimum of 2" (5 cm) apart to allow for detail work around penetration. All copper piping shall be sleeved with sleeve extending through slab and above any planter fill. The waterproofing of the inside of the sleeve is the responsibility of other parties.
- 4.11 Sidewalls of expansion joints shall be parallel, smooth and straight. Block out if required shall be per the recommendations of the manufacturer. Expansion joints running through planters, walls or at building to deck shall have a curb-to-curb construction approved by Tremco, waterproofing contractor and architect/engineer.
- 4.12 Nudura Insulated Concrete Forms or Insulated Concrete Forms—Surface to be coated must be dry, clean, free of dust, mud, or any other substances that might prevent placement and bonding of

TREMPROOF® 250GC

Single-Component, Rapid Curing, Fluid-applied Elastomeric Waterproofing membrane

membrane. After UV exposure it may be necessary to rasp and clean substrate to the standards above. Contact Tremco and/or Nudura technical services for additional information.

- 4.13 Prep all gaps cuts or defects over 1/16 in (1.6 mm) with Dymonic 100, ExoAir LEF or Nudura Low Expansion Spray Foam.

5. Detail Work

- 5.1 All shrinkage cracks shall be treated with a 30-mil coating of TREMPROOF 250GC, 6" (15 cm) wide, centered over the crack.
- 5.2 Moving structural cracks greater than 1/16" (1.6 mm) shall be routed and caulked with TREMPROOF 250GC-T or Dymonic 100, followed by a 60-mil detail coat of TREMPROOF 250GC extending a minimum of 3" (7.6 cm) on either side of the crack.
- 5.3 A 1 in (25 mm) cant of Dymonic 100, ExoAir LEF or Nudura Low-Expansion Spray Foam shall be installed around all penetrations. Install a 60-mil detail coat of TREMPROOF 250GC extending 2" (5 cm) onto the penetration and 6" (15 cm) onto the surrounding substrate. Do not co-spray detail coat. Penetrations must be rigidly supported through membrane as to not allow movement of penetrating item.
- 5.4 Inside and outside corners shall be treated with a 60-mil detail coat of TREMPROOF 250GC extending a minimum of 3 in (7.6 cm) on either side of the corner. Inside corners should be caulked with Dymonic 100. Do not co-spray detail coat.
- 5.5 Base of wall shall be treated with TREMPROOF 250GC pre-applied at footing wall joint to replace a reinforcing cant or fill gap, pre-sprayed at 35-40 mils wet. Prep all gaps or joints over 1/16 in (1.6 mm) with Dymonic 100.
- 5.6 A 1" (2.5 cm) cant of TREMPROOF 250GC-T or Dymonic 100 shall be installed at all horizontal-vertical junctures and projections. Integral flashing shall be installed to the height indicated on the drawings.
- Expansion joints coat of TREMPROOF 250GC, extending 3" (7.6 cm) on either side of the joint. For vertical below-grade expansion joints, please contact your local Tremco Representative.
- 5.4 b. Install TRA sheeting or elastomeric sheeting a minimum of 6" onto both sides of the joint making sure there is slack within the sheeting to accommodate anticipated movement. Installation over a foam backer is recommended in the application of the sheeting. Fasten the sheeting on both sides using Tremco's Paraterm Bar or equivalent termination bar. Apply the field coat of TREMPROOF 250GC over the termination bars and over the sheeting. At ends of sheeting, overlap the two meeting sheets at least 2" (51 cm). Seal the overlap with TREMPROOF 250GC.
- 5.5 Plywood joints shall be caulked with TREMPROOF 250GC-T or Dymonic 100 followed by a 30-mil details coat of TREMPROOF 250GC extending 6" (15 cm) on both sides of the joint.
- 5.6 A 1" (2.5 cm) cant of TREMPROOF 250GC-T or Dymonic 100 shall be installed around all penetrations. Install a 30-mil detail coat of TREMPROOF 250GC extending 2" (5 cm) onto the penetration and 6" (15 cm) onto the surrounding substrate.
- 5.7 Inside corners shall be treated with a fillet bead of TREMPROOF 250GC-T, or Dymonic 100. Install a 30-mil detail coat of TREMPROOF 250GC extending 6" (15 cm) on either side of the corner.
- 5.8 Outside corners should have a 3/4" to 1" (18 to 25 mm) chamfer.

Install a 30-mil detail coat of TREMPROOF 250GC extending 6" (15 cm) on either side of the corner.

- 5.9 At footing wall joint, prep the gap between the footing and the Nudura form with Dymonic 100, ExoAir LEF or Nudura Low Expansion Spray Foam. The horizontal face of the footing should be waterproofed all the way to the edge.
- 5.10 If detailing is exposed more than 24 hours, apply Vulkem 191 Primer prior to application of the membrane. The primer shall be dry with a surface tack before applying TREMPROOF 250GC.
- 5.11 Detailing shall be wiped clean with xylene prior to the application of the membrane.
- 5.12 Willseal Expansion Joints — see Willseal Expansion Joint Application Instructions. Contact your Willseal Technical Service Representative.

6. Membrane Application

Note: When asphaltic membranes, self-adhering flashing or self-adhering sheet membranes, are to come in contact with TREMPROOF 250GC, use Tremco Epoxy Primer at the overlap condition.

- 6.1 Standard Application - Vertical or Horizontal

TREMPROOF 250GC shall be roller, squeegee or trowel applied at the rate 25 ft²/gal (0.66 M²/L) to provide a thickness of 60 mils.

NOTE: When applying over Insulated Concrete forms, be mindful of the pressure at which mil thickness is being measured. Mil gauges, when used appropriately, should not be pressed into the surface of insulated concrete forms.

- 6.2 High Build Application - Horizontal
SINGLE LIFT SYSTEM TREMPROOF 250GC may be applied in a single pass up to 120 mils for horizontal applications. Apply at a rate of 13 ft²/gal (0.32 M²/L.)

- 6.3 Multi-lift 215-mil system

Apply the first coat of TREMPROOF 250GC at a rate of 18 ft²/gal (0.44 M²/L), to yield 90 mils. Allow the TREMPROOF 250GC to cure to a firm rubber, 16 to 24 hr at 75 °F (23 °C), 50% RH, then apply Vulkem 191 Primer. Let the primer dry to a tack. Apply the second coat of TREMPROOF 250GC at a rate of 12.7 ft²/gal (0.31 M²/L) yielding 125 mils.

- 6.4 The cure rate of TREMPROOF 250GC may be accelerated by adding water. Water may be added to TREMPROOF 250GC-SL only. Water shall be bottled or tap. Add 4 oz (1/2 cup, 118 mL) water for every 5 gal (18.9 L) of TREMPROOF 250GC-SL. Mix the material by producing a vortex close to the surface of the pail and add the water. Following the addition of water, continue mixing the membrane to evenly disperse the added water for up to 1 minute. Exceeding the recommended 1 minute of mixing may result in introducing an excessive amount of air in the membrane. Exceeding the recommended 4 oz (1/2 cup) of water per 5-gal pail of membrane may result in a reduction of working time.

- 6.5 Temperature Approximate cure time* {> 80 °F (27 °C) = 3 to 4 hr}
{40 to 80 °F (4 to 27 °C) = 6 to 12 hr} {< 40 °F (4 °C) = 72 hr}

*Dependent upon environment conditions i.e. substrate temperature, humidity, etc.

- 6.6 Terminations shall be installed in accordance with ASTM C898 Standard Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Separate Wearing

TREMproof® 250GC

Single-component, Rapid-Curing, Fluid-Applied Elastomeric, Waterproofing Membrane

Course and ASTM C1471 Standard Guide for Use of High Solids Content Cold Liquid-Applied Elastomeric Waterproofing Membrane on Vertical Surfaces.

6.6a. Vertical wall terminations should be made a minimum 6" (15 cm) above the finish grade or brick ledge when connecting to an air/vapor barrier beneath an exterior facade. For applications where the concrete wall is to be exposed above grade, terminate no more than 2" (5 cm) below grade. The waterproofing systems should terminate a minimum of 12" (30 cm) below the lower floor line or on top of the footing a minimum of 6" (15 cm) out from the wall. When terminating below the lower floor line or on top of the footing, do not terminate the waterproofing system above the drainage collection level. The waterproofing system should overlap a minimum of 24" (60 cm) onto intersecting walls columns or counterforts.

6.6b. The vertical waterproofing system should connect with the below slab waterproofing and air barrier systems when used. When the same system or compatible materials are used, they may overlap. When connecting with a horizontal plaza, make sure the materials are compatible prior to installation. Contact your local Tremco Sales Representative or Technical Services.

6.6 c. For horizontal applications where the membrane is turned up on a wall, terminate the waterproofing to eliminate the possibility of ponded surface water penetrating the wall above the membrane. The minimum height is determined by the designer and should take into account the opportunity for such occurrence as well as the building's geometry and environment.

- 6.7 An approved protection course and/or TREMDrain Series drainage mat may be placed after membrane is cured to a firm rubber set, minimum 4 hr at 75°F (23 °C), 50% RH.

NOTE: When attaching drainage and protection courses to ICF forms, use a non-self-drilling coarse thread screw into the fastening strip of the ICF form. Consult your Tremco Technical Representative for availability and detailed application instructions on these products.

- 6.8 On horizontal slabs, a flood test should be run in accordance with ASTM D5957. The membrane should be cured to a firm rubber set (36 hr. minimum) before flooding. Flood with a minimum of 1" (2.5 cm) of water for 24 hr. As an alternative, Electronic Field Vector Mapping may also be use

1221/T250GCAI-BG

Please refer to our website at www.tremcosealants.com for the most up-to-date application instructions.



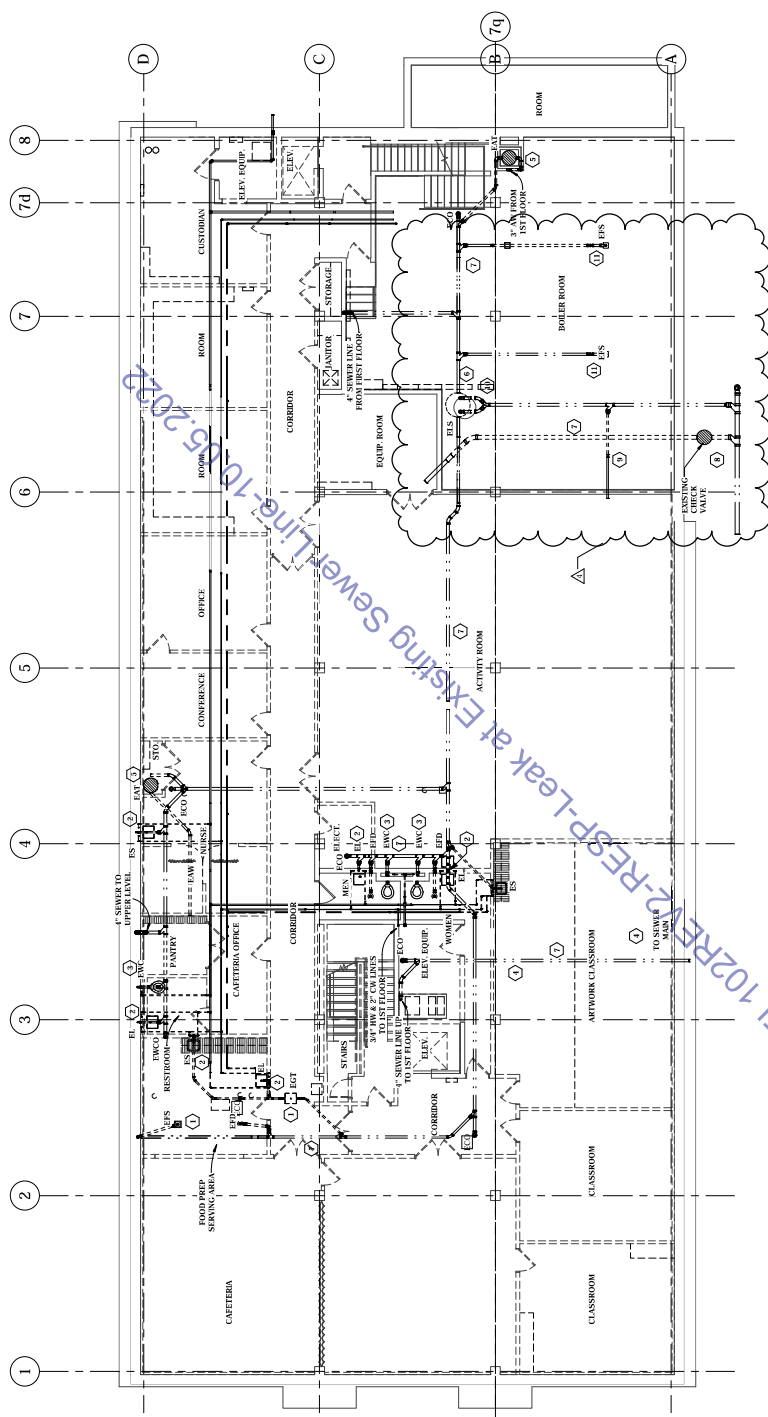
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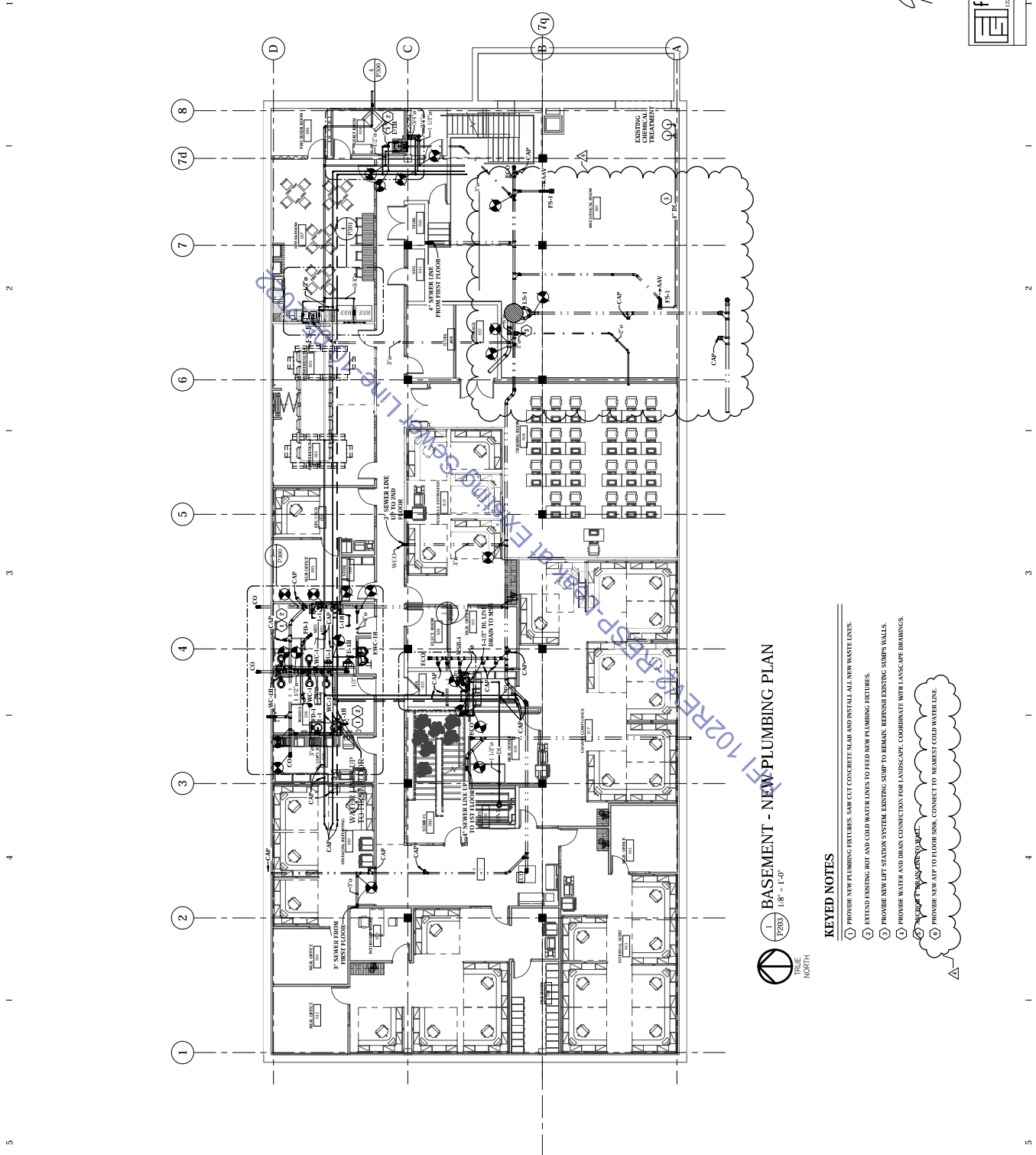
1445 Rue de Coulomb
Boucherville QC J4B 7L8
514.521.9555



1 BASEMENT - DEMOLITION PLUMBING PLAN
P200 1/8" = 1'-0"

DEMOLITION KEYED NOTES

1. COMPLETELY REMOVE EXISTING GROUND TRAP AND FLOOR SINK. CAP WASTE AND VENT BELOW SLAB. PATCH AND REPAIR SLAB TO MATCH EXISTING.
2. COMPLETELY REMOVE EXISTING SINK OR LAVATORY. CAP WATER LINES IN CEILING. CAP WASTE BELOW SLAB. CAP VENT IN CEILING.
3. COMPLETELY REMOVE EXISTING WATER CLOSET. CAP WATER LINES IN CEILING. CAP WASTE BELOW SLAB. CAP VENT IN CEILING.
4. REMOVE AND REPLACE EXISTING FOUR INCH WASTE LINE.
5. COMPLETELY REMOVE EXISTING ACID DILUTION TANK AND ALL ASSOCIATED ACID WASTE AND VENT.
6. REMOVE AND REPLACE EXISTING LIFT STATION PUMPING SYSTEM.
7. CONTRACTOR SHALL PRESSURE WASH ALL UNDERSLAB WASTE LINES AND VIBRO TAPL CORROSION.
8. OF PIPING SHALL BE REVIEWED WITH OWNER AND ENGINEER.
9. EXISTING 6" SEWER LINE AND CHECK VALVE TO BE PARTIALLY DEMOLISHED. SEE NEW WORK FOR SEWER LINE ROUTING.
10. EXISTING 2" LINE TO BE PARTIALLY DEMOLISHED. SEE NEW WORK FOR SEWER LINE ROUTING.
11. 4" CAST IRON FITTINGS TO BE REPLACED FOR PVC FITTINGS.
12. EXISTING FLOOR SINK AND PORTION OF SEWER LINE TO BE DEMOLISHED TO ACCOMMODATE NEW MECHANICAL EQUIPMENT LAYOUT. SEE NEW WORK FOR NEW FLOOR SINK LOCATION.



1 BASEMENT - NEW PLUMBING PLAN
P203 1/8" = 1'-0"

KEYED NOTES

- 1 PROVIDE NEW PLUMBING FIXTURES, SAN CUT CONCRETE SLAB AND INSTALL ALL NEW WASTE LINES.
- 2 EXTEND EXISTING HOT AND COLD WATER LINES TO FEED NEW PLUMBING FIXTURES.
- 3 PROVIDE NEW LEFT STATION SYSTEM EXISTING SHUT TO REMAIN. REFINISH EXISTING SHIMS WALLS.
- 4 PROVIDE WATER AND DRAIN CONNECTION FOR LANDSCAPE. COORDINATE WITH LANDSCAPE DRAWINGS.
- 5 PROVIDE NEW UP TO FLOOR SINK. CONNECT TO NEAREST COLD WATER LINE.



fluid systems, inc.
CONSULTING ENGINEERS
REGISTRATION NUMBER: F-1861
12214 N. CENTRAL EXPRESSWAY • EL PASO, TEXAS 79902
OFFICE: 815-255-0405



EP Co PO 22201983 / JFC# 2077701

PCI 10 - Basement Sewer System Replacement

Date 11/10/2022

Subcontr	Desc.			
1 Tex MEP	Sewer Ln replacement from RR 031 to sump basin; new Ovrhd sewer abv rm 002	\$	49,274	See Back Up
2 SSW	Ceiling rmv & reinstall in 002, patch & repair in Corridor 001 & rms where sewer is replaced	\$	6,500	See Back Up
3 ED CO	Remove & reinstall carpet; demo and replace LVT on sewer ln path	\$	3,896	See Back Up
4 Fulcrum	Place concrete for new sewer trench	\$	10,393	See Back Up
6 JFC	Furnish, Install, & maintain add'l floor & wall protection; concrete dumpsters	\$	4,396	See Back Up
	Subcontractor Subtotal	\$	74,459	
Region 19 Fees		\$	21,593	
	TOTAL	\$	96,052	

Exclusions/ ~ Only items listed above are included

Clarifications: ~ See Subcontractor Exclusions as well

Replace existing sewer system due degraded cast iron (Video to be provided addressing Keynote 7 of sheet P200)

Furnish, install, & maintain an additional layer of floor & wall protection for the additional heavy traffic that is anticipated

Cut, demo, and haul off concrete and mud slab for new sewer line

Furnish, Install, backfill, & compact new underground sewer line from Mens RR 031 to sump basin mop sink sewer line in Janitor 025 to be added to new underground line

Furnish & install new over head sewer line for Restroom 103 connecting to riser in wall of Women's RR 030

Furnish & install concrete patching for new sewer trench

Demo & replace LVT on the new sewer path

remove and reinstall carpet on the new sewer path

Patch and repair walls and door frames as needed

Remove & reinstall doors of the rooms where

Proposal is good for 5 days starting on 11/10/2022

Scott Smith

11/10/2022

\\fluidsystems\fsi\Projects\FSI\2020.00\2020.021 Tellez Academy - M&P.rvt

D

C

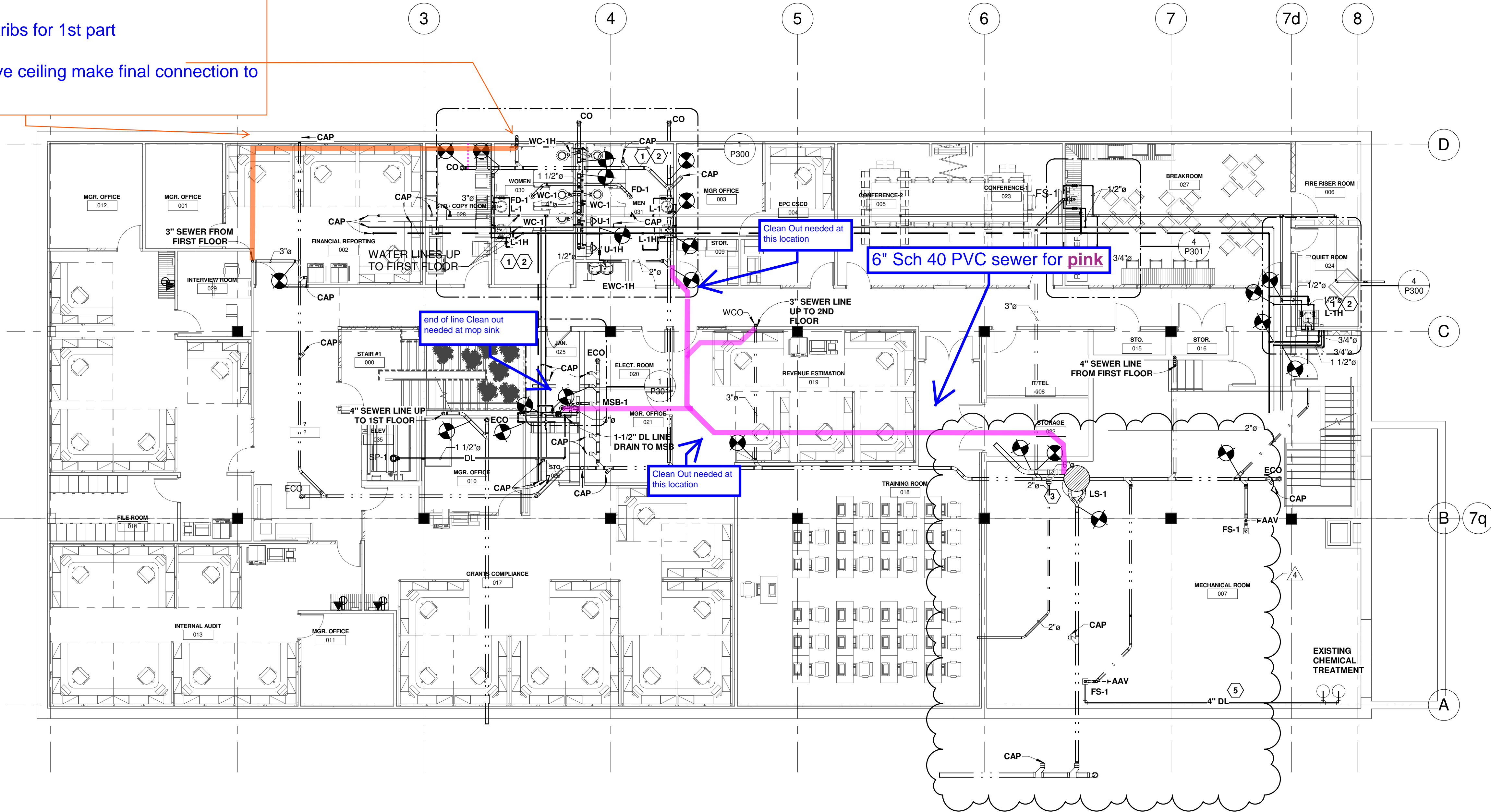
B

A

Approx. routing for new **over head sanitary from RR 103** on first floor and connect to riser from floors above.

1) Routed high in the conc. ribs for 1st part

2) run along the wall & above ceiling make final connection to riser in bathroom



1 BASEMENT - NEW PLUMBING PLAN P203 1/8" = 1'-0"

KEYED NOTES

- 1 PROVIDE NEW PLUMBING FIXTURES. SAW CUT CONCRETE SLAB AND INSTALL ALL NEW WASTE LINES.
- 2 EXTEND EXISTING HOT AND COLD WATER LINES TO FEED NEW PLUMBING FIXTURES.
- 3 PROVIDE NEW LIFT STATION SYSTEM. EXISTING SUMP TO REMAIN. REFINISH EXISTING SUMPS WALLS.
- 4 PROVIDE WATER AND DRAIN CONNECTION FOR LANDSCAPE. COORDINATE WITH LANDSCAPE DRAWINGS.
- 5 ANCHOR 4\"/>
- 6 PROVIDE NEW ATP TO FLOOR SINK, CONNECT TO NEAREST COLD WATER LINE.

The seal appearing on this document was authorized by JOSE A. BERNAL P.E. 90861 on 07/19/2021.



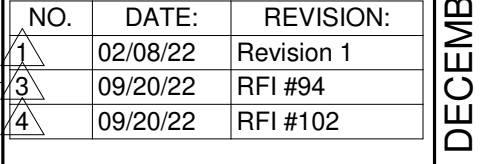
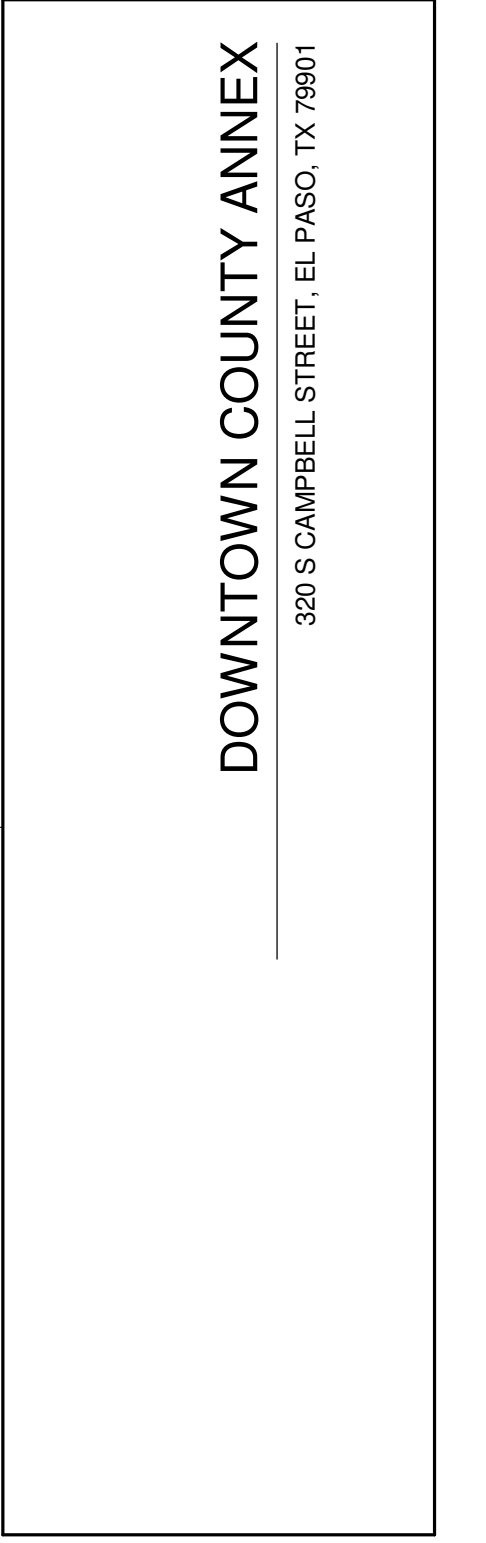
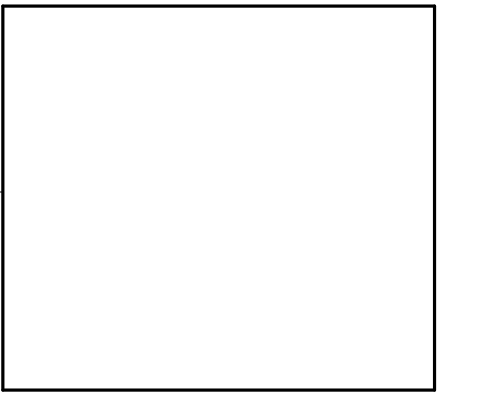
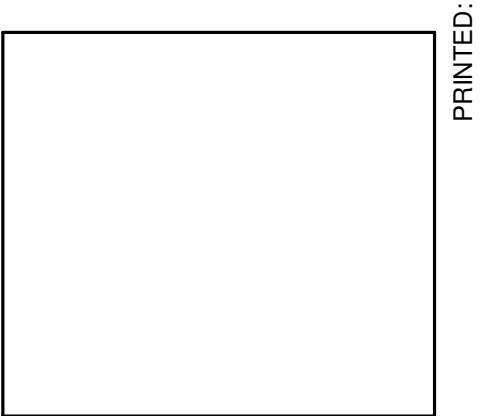
FLUID SYSTEMS, INC.
CONSULTING MECHANICAL ENGINEERS
REGISTRATION NUMBER: F-1161
12244 RATHMORE DR. • EL PASO, TEXAS 79928
OFFICE: (915) 856-9420

NO.	DATE:	REVISION:
1	02/08/22	Revision 1
3	09/20/22	RFI #94
4	09/20/22	RFI #102

SHEET:
P203
BASEMENT - NEW
PLUMBING PLAN

DOWNTOWN COUNTY ANNEX
320 S CAMPBELL STREET, EL PASO, TX 79901

2020.021_ DOWNTOWN COUNTY ANNEX_ Project Status, DECEMBER 12TH 2020



CD A
CARL DANIEL
FRANCO
SALDAÑA
ARCHITECTS
305 LEON ST.
EL PASO, TX 79901
(915) 533-2700 f
(915) 533-2799 f
carldanielarchitects.com

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Number of pages including cover sheet:
Date: 11/9/2022
To: Scott Smith
Company: Jordan Foster Construction
Message:

12
RE: Downtown Office Annex
Tel: (915) 283-8960
Email: SSmith@JordanFosterConstruction.com

Scott,

Our price to replace the sewer lines in the basement level is as follows:

Option to install 6 inch pipe for main sewer	\$45,053.00
Option to install 4 inch pipe for main sewer	\$42,929.00
Option to reroute 3 inch sewer within ceiling space	\$4,221.00

These two options are included in the price on the summary sheet.

Included:

- Saw cutting as required.
- Excavation and compaction as required.
- 6 inch pipe option includes main up to hallway in front of Men's Restroom 031.
 - 3 inch pipe for branch to Mop Sink in room 025.
 - 4 inch pipe for branch to connection at room 019.
 - 6 inch pipe to connect into existing 6 inch discharge into lift station in the Mechanical room.
- 4 inch pipe option includes main up to hallway in front of Men's Restroom 031.
 - 3 inch pipe for branch to Mop Sink in room 025.
 - 4 inch pipe for branch to connection at room 019.
 - 4 inch pipe to connect into existing 6 inch discharge into lift station in the Mechanical room.
- 3 inch cast iron sewer rerouted as per issued sketched drawing the within ceiling space.
- Spoils haul off to on-site dumpster provided by others.
- Labor as required.

Excluded:

- Applicable taxes.
- Patching or painting of any kind.
- Structural framing.
- Furr outs to conceal pipes if required.
- Protection of all installed finishes (i.e.- Walls, floors, ceilings, carpets, etc...).
- Final grading preparation for concrete installation by others.
- Replacements of tile, carpets, concrete, or any other items that will need to be removed for sewer installation.
- Plumbing supervision of concrete contractor, tile contractor, or carpet contractor at time of replacements.
- Replacement of ceiling grid or hard ceilings.
- After hours labor if required.

Thank you.

Regards,

Eddie Gonzalez
Texas Plumbing Contractors LLC
Mobile: (915) 346-1114

TECL 27585
NM 368436
TACLA 16332E
NM 371514
M-19059
tdlr.texas.gov

Bid Summary Report

Downtown Office Annex Estimator: Admin

Job #452

Job Name: Downtown Office Annex

Contractor:

Estimator: Admin

Notes:

Bid Date: 11/9/2022

Summary Description	Material			Labor		
	Extended	%	Adjusted	Extended	%	Adjusted
Bsmnt. Swr. Rpl.- 6' option	\$19,771.37	100.00%	\$19,771.37	663.97	100.00%	663.97

Top Sheet

Raw Cost	\$40,956.60	Sales per Month	\$0.00
Tax	\$0.00	Return per Month	\$0.00
Raw Cost with Tax	\$40,956.60	Price per Square Foot	\$0.00
Overhead	\$4,095.66	Hours per Square Foot	0.00
Profit	\$0.00	Square Feet	0.00
Total Return Amount	\$4,095.66	Job Months	0.00
Total Return %	9.09%	Hours per Week	0.00
Remaining Labor Hours	0.00	Average Hourly Rate w/ Burden	29.53
Price	\$45,052.26	Workers per Day	0.00
Bond	\$0.00	Total Hours	663.97
Sell Price	\$45,052.26	Markup Sales Tax (Overhead)	No
Adjusted Sell	\$0.00	Markup Sales Tax (Profit)	No
Adjusted Sell Return 0.00%	\$0.00	Use Bond Table	No

Labor

Class Description	Percent of Total	Hours Distributed	Hourly Rate	Burden Rate	Percent	Labor Cost
Superintendent	1.22%	8.10	\$40.00	\$8.00	20.00%	\$388.82
Journeyman	16.51%	109.62	\$32.95	\$6.59	20.00%	\$4,334.43
Journeyman	16.51%	109.62	\$32.95	\$6.59	20.00%	\$4,334.43
Appr 1	15.76%	104.64	\$22.00	\$4.40	20.00%	\$2,762.54
Appr 1	15.76%	104.64	\$22.00	\$4.40	20.00%	\$2,762.54

Bid Summary Report

Downtown Office Annex **Estimator: Admin**

Job #452

Saw Cutter Operator	8.56%	56.84	\$18.41	\$3.68	20.00%	\$1,255.62
Saw Cutter Operator	8.56%	56.84	\$18.41	\$3.68	20.00%	\$1,255.62
Saw Cutter Operator	8.56%	56.84	\$18.41	\$3.68	20.00%	\$1,255.62
Saw Cutter Operator	8.56%	56.84	\$18.41	\$3.68	20.00%	\$1,255.62
Totals	100.00%	663.97	\$24.61	\$4.92	20.00%	\$19,605.23

Mark Ups

OVERHEAD

PROFIT

	Total		%	Amount		%	Amount
Materials	\$19,771.37	+	10.00%	\$21,748.51	+	0.00%	\$21,748.51
Labor	\$19,605.23	+	10.00%	\$21,565.75	+	0.00%	\$21,565.75
Supplier Quotes	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00
SubContractors	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00
Direct Job Expense	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00
Equipment Rental	\$1,580.00	+	10.00%	\$1,738.00	+	0.00%	\$1,738.00
Totals	\$40,956.60		10.00%	\$45,052.26		0.00%	\$45,052.26

Tax Report

	Taxed Amount	Tax Rate %	Tax Amount
Materials	\$19,771.37	0.00%	\$0.00
Labor	\$19,605.23	0.00%	\$0.00
Supplier Quotes	\$0.00	0.00%	\$0.00
SubContractors	\$0.00	0.00%	\$0.00
Direct Job Expense	\$0.00	0.00%	\$0.00
Equipment Rental	\$1,580.00	0.00%	\$0.00
Total Tax:			\$0.00

Equipment Rental

Name	Supplier	Labor Hours	Tax (0.0%)	Unit Cost	Mult	Amount
Rammer comp	SunState	0.00	Yes	\$225.00	2.00	\$450.00
Bob Cat	SunState	0.00	Yes	\$1,130.00	1.00	\$1,130.00
Totals:		0.00				\$1,580.00

Bid Summary Report

Downtown Office Annex Estimator: Admin

Job #452

Job Name: Downtown Office Annex

Contractor:

Estimator: Admin

Notes:

Bid Date: 11/9/2022

Summary Description	Material			Labor		
	Extended	%	Adjusted	Extended	%	Adjusted
Bsmnt. Swr. Repl. - 4" option	\$18,033.19	100.00%	\$18,033.19	657.50	100.00%	657.50

Top Sheet

Raw Cost	\$39,027.24	Sales per Month	\$0.00
Tax	\$0.00	Return per Month	\$0.00
Raw Cost with Tax	\$39,027.24	Price per Square Foot	\$0.00
Overhead	\$3,902.72	Hours per Square Foot	0.00
Profit	\$0.00	Square Feet	0.00
Total Return Amount	\$3,902.72	Job Months	0.00
Total Return %	9.09%	Hours per Week	0.00
Remaining Labor Hours	0.00	Average Hourly Rate w/ Burden	29.53
Price	\$42,929.96	Workers per Day	0.00
Bond	\$0.00	Total Hours	657.50
Sell Price	\$42,929.96	Markup Sales Tax (Overhead)	No
Adjusted Sell	\$0.00	Markup Sales Tax (Profit)	No
Adjusted Sell Return 0.00%	\$0.00	Use Bond Table	No

Labor

Class Description	Percent of Total	Hours Distributed	Hourly Rate	Burden Rate	Percent	Labor Cost
Superintendent	1.22%	8.02	\$40.00	\$8.00	20.00%	\$385.03
Journeyman	16.51%	108.55	\$32.95	\$6.59	20.00%	\$4,292.16
Journeyman	16.51%	108.55	\$32.95	\$6.59	20.00%	\$4,292.16
Appr 1	15.76%	103.62	\$22.00	\$4.40	20.00%	\$2,735.60
Appr 1	15.76%	103.62	\$22.00	\$4.40	20.00%	\$2,735.60

Bid Summary Report

Downtown Office Annex **Estimator: Admin**

Job #452

Saw Cutter Operator	8.56%	56.28	\$18.41	\$3.68	20.00%	\$1,243.37
Saw Cutter Operator	8.56%	56.28	\$18.41	\$3.68	20.00%	\$1,243.37
Saw Cutter Operator	8.56%	56.28	\$18.41	\$3.68	20.00%	\$1,243.37
Saw Cutter Operator	8.56%	56.28	\$18.41	\$3.68	20.00%	\$1,243.37
Totals	100.00%	657.50	\$24.61	\$4.92	20.00%	\$19,414.05

Mark Ups

OVERHEAD

PROFIT

	Total		%	Amount		%	Amount
Materials	\$18,033.19	+	10.00%	\$19,836.51	+	0.00%	\$19,836.51
Labor	\$19,414.05	+	10.00%	\$21,355.46	+	0.00%	\$21,355.46
Supplier Quotes	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00
SubContractors	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00
Direct Job Expense	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00
Equipment Rental	\$1,580.00	+	10.00%	\$1,738.00	+	0.00%	\$1,738.00
Totals	\$39,027.24		10.00%	\$42,929.96		0.00%	\$42,929.96

Tax Report

	Taxed Amount	Tax Rate %	Tax Amount
Materials	\$18,033.19	0.00%	\$0.00
Labor	\$19,414.05	0.00%	\$0.00
Supplier Quotes	\$0.00	0.00%	\$0.00
SubContractors	\$0.00	0.00%	\$0.00
Direct Job Expense	\$0.00	0.00%	\$0.00
Equipment Rental	\$1,580.00	0.00%	\$0.00
	Total Tax:		\$0.00

Equipment Rental

Name	Supplier	Labor Hours	Tax (0.0%)	Unit Cost	Mult	Amount
Rammer comp	SunState	0.00	Yes	\$225.00	2.00	\$450.00
Bob Cat	SunState	0.00	Yes	\$1,130.00	1.00	\$1,130.00
Totals:		0.00				\$1,580.00

Bid Summary Report

Downtown Office Annex Estimator: Admin

Job #452

Job Name: Downtown Office Annex

Contractor:

Estimator: Admin

Notes:

Bid Date: 11/9/2022

Summary Description	Material			Labor		
	Extended	%	Adjusted	Extended	%	Adjusted
Bsmnt. Swr. Rpl.- 3" Swr. reroute	\$1,735.96	100.00%	\$1,735.96	63.22	100.00%	63.22

Top Sheet

Raw Cost	\$3,836.98	Sales per Month	\$0.00
Tax	\$0.00	Return per Month	\$0.00
Raw Cost with Tax	\$3,836.98	Price per Square Foot	\$0.00
Overhead	\$383.70	Hours per Square Foot	0.00
Profit	\$0.00	Square Feet	0.00
Total Return Amount	\$383.70	Job Months	0.00
Total Return %	9.09%	Hours per Week	0.00
Remaining Labor Hours	0.00	Average Hourly Rate w/ Burden	33.23
Price	\$4,220.68	Workers per Day	0.00
Bond	\$0.00	Total Hours	63.22
Sell Price	\$4,220.68	Markup Sales Tax (Overhead)	No
Adjusted Sell	\$0.00	Markup Sales Tax (Profit)	No
Adjusted Sell Return 0.00%	\$0.00	Use Bond Table	No

Labor

Class Description	Percent of Total	Hours Distributed	Hourly Rate	Burden Rate	Percent	Labor Cost
Superintendent	1.22%	0.77	\$40.00	\$8.00	20.00%	\$37.02
Journeyman	50.00%	31.61	\$32.95	\$6.59	20.00%	\$1,249.86
Appr 1	48.78%	30.84	\$22.00	\$4.40	20.00%	\$814.14
Totals	100.00%	63.22	\$27.69	\$5.54	20.00%	\$2,101.02

Bid Summary Report

Downtown Office Annex Estimator: Admin

Job #452

Mark Ups	OVERHEAD						PROFIT	
	Total		%	Amount		%	Amount	
Materials	\$1,735.96	+	10.00%	\$1,909.55	+	0.00%	\$1,909.55	
Labor	\$2,101.02	+	10.00%	\$2,311.13	+	0.00%	\$2,311.13	
Supplier Quotes	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00	
SubContractors	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00	
Direct Job Expense	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00	
Equipment Rental	\$0.00	+	10.00%	\$0.00	+	0.00%	\$0.00	
Totals	\$3,836.98		10.00%	\$4,220.68		0.00%	\$4,220.68	

Tax Report		Taxed Amount	Tax Rate %	Tax Amount
Materials		\$1,735.96	0.00%	\$0.00
Labor		\$2,101.02	0.00%	\$0.00
Supplier Quotes		\$0.00	0.00%	\$0.00
SubContractors		\$0.00	0.00%	\$0.00
Direct Job Expense		\$0.00	0.00%	\$0.00
Equipment Rental		\$0.00	0.00%	\$0.00
		Total Tax:		\$0.00

TEX PLBG- Sewer Replacement 11.10.22

Job Name: Downtown Office Annex
 Job Number: 452
 Extension Name: Bsmnt. Swr. Rpl.- 6' option

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Labor	U	Ext CO Labor	CCode	% of Extended Price	% of Extended Hours
Label Set: Combined, Combined, Combined, Combined, Combined					<u>\$19,771.37</u>			<u>663.97</u>		<u>100%</u>	<u>100%</u>
CCode: PVC SCH 40 DWV					<u>\$2,013.28</u>			<u>44.74</u>		<u>10.18%</u>	<u>6.74%</u>
1,857 3	SCH 40 PVC P-TRAP---HxH	1.00	\$30.14	E	\$30.14	0.82	E	0.82	34		
1,882 3	SCH 40 PVC 1/8 BEND -- HxH	1.00	\$8.20	E	\$8.20	0.78	E	0.78	34		
1,883 4	SCH 40 PVC 1/8 BEND -- HxH	2.00	\$19.30	E	\$38.60	0.98	E	1.96	34		
1,884 6	SCH 40 PVC 1/8 BEND -- HxH	5.00	\$69.05	E	\$345.25	1.96	E	9.80	34		
1,895 6	SCH 40 PVC DWV 1/4 BEND	1.00	\$78.79	E	\$78.79	1.92	E	1.92	34		
1,911 6	SCH 40 PVC DWV COMBO	1.00	\$177.95	E	\$177.95	2.56	E	2.56	34		
1,920 6	SCH 40 PVC DWV WYE	2.00	\$108.90	E	\$217.80	2.72	E	5.44	34		
1,929 3	SCH 40 PVC DWV SAN TEE	1.00	\$13.36	E	\$13.36	0.91	E	0.91	34		
1,966 6X4	SCH 40 PVC DWV BUSHING	4.00	\$30.05	E	\$120.20	0.90	E	3.60	34		
2,045 3	SCH 40 PVC DWV LONG SWEEP	1.00	\$11.79	E	\$11.79	0.66	E	0.66	34		
2,046 4	SCH 40 PVC DWV LONG SWEEP	3.00	\$22.22	E	\$66.66	0.97	E	2.91	34		
2,061 6X4	SCH 40 PVC DWV RED COMBO	4.00	\$194.86	E	\$779.44	2.38	E	9.52	34		
2,097 3X2	SCH 40 PVC DWV REDUCER	1.00	\$6.45	E	\$6.45	0.46	E	0.46	34		
2,098 4X2	SCH 40 PVC DWV REDUCER	1.00	\$12.63	E	\$12.63	0.87	E	0.87	34		
2,099 4X3	SCH 40 PVC DWV REDUCER	2.00	\$13.49	E	\$26.98	0.96	E	1.92	34		
2,115 2	SCH 40 PVC DWV TEST TEE	1.00	\$79.04	E	\$79.04	0.61	E	0.61	34		
CCode: C.I. SOIL NO HUB					<u>\$0.00</u>			<u>0.00</u>		<u>0%</u>	<u>0%</u>
CCode: C.I. SOIL SOIL COMP. JT					<u>\$54.48</u>			<u>2.79</u>		<u>0.28%</u>	<u>0.42%</u>
1,548 4	CLAY-CI/PL COUPLING	3.00	\$18.16	E	\$54.48	0.93	E	2.79	42		
CCode: SCH 40 PVC					<u>\$1,447.62</u>			<u>48.21</u>		<u>7.32%</u>	<u>7.26%</u>
315 3	SCH 40 PVC PIPE	10.00	\$4.77	E	\$47.70	0.22	E	2.20	5		
316 4	SCH 40 PVC PIPE	40.00	\$6.72	E	\$268.80	0.26	E	10.40	5		
318 6	SCH 40 PVC PIPE	80.00	\$12.18	E	\$974.44	0.32	E	25.60	5		
4,824 3	SCH 40 PVC COUPLING	1.00	\$7.91	E	\$7.92	0.46	E	0.46	5		
4,825 4	SCH 40 PVC COUPLING	2.00	\$11.44	E	\$22.93	0.85	E	1.70	5		
4,826 6	SCH 40 PVC COUPLING	4.00	\$31.42	E	\$125.83	1.96	E	7.85	5		
CCode: PLUMBING CONSUMABLES					<u>\$237.45</u>			<u>0.00</u>		<u>1.2%</u>	<u>0%</u>
16,907 2"	CLEAR PVC JOINT GLUE	4.00	\$2.32	E	\$9.28	0.00	E	0.00	53		

Job Name: Downtown Office Annex

Job Number: 452

Extension Name: Bsmnt. Swr. Rpl.- 6' option

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Labor	U	Ext CO Labor	CCode	% of Extended Price	% of Extended Hours
16,909	3" CLEAR PVC JOINT GLUE	13.30	\$2.42	E	\$32.19	0.00	E	0.00	53		
16,910	4" CLEAR PVC JOINT GLUE	25.17	\$2.63	E	\$66.19	0.00	E	0.00	53		
16,912	6" CLEAR PVC JOINT GLUE	41.07	\$3.16	E	\$129.78	0.00	E	0.00	53		
CCode: PLUMBING EQUIPMENT					\$1,234.77			4.05		6.25%	0.61%
30,236	4" Zurn clean outs	3.00	\$411.59	E	\$1,234.77	1.35	E	4.05	57		
CCode: EXCAVATION/TRENCH					\$14,783.78			564.18		74.77%	84.97%
17,198	18"W X 36"D HAND TRENCH	105.00	\$3.81	E	\$400.05	2.58	E	270.90	86		
17,220	HAND HAUL AWAY HRS/YD	29.16	\$15.80	E	\$460.73	3.72	E	108.48	86		
17,421	6" THICK CONCRETE INSIDE	210.00	\$66.30	E	\$13,923.00	0.88	E	184.80	86		
					\$19,771.37			663.97			

Job Name: Downtown Office Annex
 Job Number: 452
 Extension Name: Bsmnt. Swr. Repl.- 4" option

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Labor	U	Ext CO Labor	CCode	% of Extended Price	% of Extended Hours
Label Set: Combined, Combined, Combined, Combined, Combined					<u>\$18,033.19</u>			<u>657.50</u>		<u>100%</u>	<u>100%</u>
CCode: PVC SCH 40 DWV					<u>\$868.62</u>			<u>53.08</u>		<u>4.82%</u>	<u>8.07%</u>
1,857 3	SCH 40 PVC P-TRAP---HxH	1.00	\$30.14	E	\$30.14	0.82	E	0.82	34		
1,882 3	SCH 40 PVC 1/8 BEND -- HxH	1.00	\$8.20	E	\$8.20	0.78	E	0.78	34		
1,883 4	SCH 40 PVC 1/8 BEND -- HxH	7.00	\$15.02	E	\$105.14	0.98	E	6.86	34		
1,910 4	SCH 40 PVC DWV COMBO	5.00	\$69.05	E	\$345.25	2.56	E	12.80	34		
1,919 4	SCH 40 PVC DWV WYE	2.00	\$30.34	E	\$60.68	3.44	E	6.88	34		
1,929 3	SCH 40 PVC DWV SAN TEE	1.00	\$13.36	E	\$13.36	0.91	E	0.91	34		
2,045 3	SCH 40 PVC DWV LONG SWEEP	1.00	\$11.79	E	\$11.79	0.66	E	0.66	34		
2,046 4	SCH 40 PVC DWV LONG SWEEP	4.00	\$22.22	E	\$88.88	2.91	E	11.64	34		
2,097 3X2	SCH 40 PVC DWV REDUCER	1.00	\$6.45	E	\$6.45	0.46	E	0.46	34		
2,098 4X2	SCH 40 PVC DWV REDUCER	1.00	\$12.63	E	\$12.63	0.87	E	0.87	34		
2,099 4X3	SCH 40 PVC DWV REDUCER	2.00	\$13.49	E	\$26.98	1.92	E	3.84	34		
2,116 3	SCH 40 PVC DWV TEST TEE	1.00	\$79.04	E	\$79.04	0.61	E	0.61	34		
2,156 4	SCH 40 PVC DWV COUPLING	7.00	\$11.44	E	\$80.08	0.85	E	5.95	34		
CCode: C.I. SOIL SOIL COMP. JT					<u>\$54.48</u>			<u>2.79</u>		<u>0.3%</u>	<u>0.42%</u>
1,548 4	CLAY-CI/PL COUPLING	3.00	\$18.16	E	\$54.48	0.93	E	2.79	42		
CCode: SCH 40 PVC					<u>\$854.10</u>			<u>33.40</u>		<u>4.74%</u>	<u>5.08%</u>
315 3	SCH 40 PVC PIPE	10.00	\$4.77	E	\$47.70	0.22	E	2.20	5		
316 4	SCH 40 PVC PIPE	120.00	\$6.72	E	\$806.40	0.26	E	31.20	5		
CCode: PLUMBING CONSUMABLES					<u>\$237.44</u>			<u>0.00</u>		<u>1.32%</u>	<u>0%</u>
16,907 2"	CLEAR PVC JOINT GLUE	2.00	\$2.32	E	\$4.64	0.00	E	0.00	53		
16,909 3"	CLEAR PVC JOINT GLUE	17.94	\$2.42	E	\$43.41	0.00	E	0.00	53		
16,910 4"	CLEAR PVC JOINT GLUE	72.01	\$2.63	E	\$189.39	0.00	E	0.00	53		
CCode: PLUMBING EQUIPMENT					<u>\$1,234.77</u>			<u>4.05</u>		<u>6.85%</u>	<u>0.62%</u>
30,236 4"	Zurn clean outs	3.00	\$411.59	E	\$1,234.77	1.35	E	4.05	57		
CCode: EXCAVATION/TRENCH					<u>\$14,783.78</u>			<u>564.18</u>		<u>81.98%</u>	<u>85.81%</u>
17,198 18"W X 36"D	HAND TRENCH	105.00	\$3.81	E	\$400.05	2.58	E	270.90	86		
17,220	HAND HAUL AWAY HRS/YD	29.16	\$15.80	E	\$460.73	3.72	E	108.48	86		
17,421 6"	THICK CONCRETE INSIDE	210.00	\$66.30	E	\$13,923.00	0.88	E	184.80	86		

Job Name: Downtown Office Annex
Job Number: 452
Extension Name: Bsmnt. Swr. Repl.- 4" option

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Labor	U	Ext CO Labor	CCode	% of Extended Price	% of Extended Hours
					\$18,033.19			657.50			

TEX PLBG- Sewer Replacement 11.10.22

Job Name: Downtown Office Annex

Job Number: 452

Extension Name: Bsmnt. Swr. Rpl.- 3" Swr. reroute

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Labor	U	Ext CO Labor	CCode	% of Extended Price	% of Extended Hours
Label Set: Combined, Combined, Combined, Combined, Combined					<u>\$1,735.96</u>			<u>63.22</u>		<u>100%</u>	<u>100%</u>
CCode: C.I. SOIL NO HUB					<u>\$1,247.33</u>			<u>21.46</u>		<u>71.85%</u>	<u>33.94%</u>
36 3	C.I. NO HUB PIPE	60.00	<u>\$13.47</u>	E	<u>\$808.20</u>	<u>0.25</u>	E	15.00	41		
1,119	3" NH 1/8 BEND	1.00	<u>\$16.63</u>	E	<u>\$16.63</u>	<u>0.58</u>	E	0.58	41		
1,156	3 NH LONG SWEEP	2.00	<u>\$37.97</u>	E	<u>\$75.94</u>	<u>0.63</u>	E	1.26	41		
1,287	4X3 NH RED SAN TEE	1.00	<u>\$81.41</u>	E	<u>\$81.41</u>	<u>1.03</u>	E	1.03	41		
1,394	3 NH BLIND PLUG	1.00	<u>\$10.43</u>	E	<u>\$10.43</u>	<u>0.39</u>	E	0.39	41		
1,487	3" NH WIDE BODY COUPLING	14.00	<u>\$15.60</u>	E	<u>\$218.40</u>	<u>0.20</u>	E	2.80	41		
1,488	4" NH WIDE BODY COUPLING	2.00	<u>\$18.16</u>	E	<u>\$36.32</u>	<u>0.20</u>	E	0.40	41		
CCode: HANGER-R.CLAMP-ETC					<u>\$303.51</u>			<u>25.76</u>		<u>17.48%</u>	<u>40.75%</u>
18,716	1/2 CONC INSRT & NUT-BL	12.00	<u>\$4.93</u>	E	<u>\$59.19</u>	<u>0.43</u>	E	5.16	49		
18,742	1/2 BLK ALL THREAD ROD	40.00	<u>\$2.90</u>	E	<u>\$116.06</u>	<u>0.20</u>	E	8.00	49		
18,790	1/2 BLK HEX NUTS	36.00	<u>\$0.36</u>	E	<u>\$12.84</u>	<u>0.14</u>	E	5.04	49		
18,820	1/2 BLK WASHER	36.00	<u>\$0.54</u>	E	<u>\$19.26</u>	<u>0.10</u>	E	3.60	49		
18,978	3 CLEVIS HGR.--BLK.	12.00	<u>\$8.01</u>	E	<u>\$96.15</u>	<u>0.33</u>	E	3.96	49		
CCode: DEMO					<u>\$185.12</u>			<u>16.00</u>		<u>10.66%</u>	<u>25.31%</u>
30,116	Labor- Rem. Ceil. Grid & RR ceil.	16.00	<u>\$11.57</u>		<u>\$185.12</u>	<u>1.00</u>		16.00	93		
					<u>\$1,735.96</u>			<u>63.22</u>			



(915) 585-1088 • 4774 RIPLEY DR.
P.O. BOX 220868 • EL PASO, TEXAS 79913
admin@ed-cocorp.com

CERAMIC
ACOUSTICAL CEILING
RESILIENT FLOORS
CARPET

PROJECT NAME: Downtown County Annex

LOCATION: _____

BID DATE: 9 Nov 22

OWNER: _____

TIME: _____

CONTRACTOR: _____

ARCHITECT: _____

GENTLEMENT:

WE ARE SUBMITTING OUR BID TO PERFORM WORK ON THE ABOVE REFERENCED PROJECT. WE ARE INCLUDING ALL WORK AS SPECIFIED IN THE FOLLOWING SECTIONS:

<u>CARPET & LVT REMOVAL IN BASEMENT. REINSTALL</u>	
<u>CARPET TILE, INSTALL NEW LVT & RUBBER BASE AFTER</u>	
<u>CONCRETE IS PLACED.</u>	
MATERIAL: CARPET ALLOWANCE	600. ⁰⁰ -
LVT	1,188. ⁰⁰ -
RUBBER BASE	96. ⁰⁰ -
ADHESIVE, FLOOR PATCH	140. ⁰⁰ -
LABOR	1,234. ⁰⁰ -
LABOR BURDEN	284. ⁰⁰ -
	<u>3,542.⁰⁰-</u>
10% O.H. & P.	354. ⁰⁰ -
TOTAL	<u>3,896.⁰⁰-</u>

ANY SUPPLIER THAT REQUIRED PAYMENT UP FRONT FOR MATERIALS SPECIFIED FOR THIS PROJECT, WILL BE FUNDED BY THE OWNER OR GENERAL CONTRACTOR.

EXCLUSIONS: DEMOLITION, CEILING INSULATION, CEILING REPAIRS OR PATCHING, WAXING, BUFFING, FLOOR PROTECTION, VACUUM, TEMPORARY HEAT, REMOVAL OF TAPE JOINT COMPOUND, TEXTURE, OR PAINT FROM FLOOR SURFACES, MAJOR FLOOR PREPARATION OR UNDERLAYING, BOND

WE HAVE SEEN ADDENDA #

THIS PROPOSAL IS CONDITIONED UPON THE USAGE OF A SUBCONTRACT FORM ACCEPTABLE TO THE ED-CO CORPORATION. PARTICULARLY, THIS PRICE IS PREDICATED UPON THE CONDITION THAT WE SHALL RECEIVE PROMPT MONTHLY PAYMENTS FOR THE VALUE OF WORK PROPERLY PERFORMED AND MATERIAL DELIVERED ALSO, RETAINAGE SHALL NOT EXCEED THE PERCENTAGE ACTUALLY WITHHELD BY THE OWNER RELATIVE TO OUR WORK.

THIS BID SHALL REMAIN EFFECTIVE FOR THIRTY (30) DAYS FROM THE BID SUBMISSION DATE OR TEN (10) DAYS LONGER THAN THE DURATION REQUIRED FOR YOUR PRIME CONTRACT BID, WHICHEVER IS LATER.

SIGNED: Joe Chavez JOE CHAVEZ TITLE: ESTIMATOR

Project: Downtown County Annex

Cost Analysis No. 13



Attn: Scott Smith

Location: 320 S Campbell Street
El Paso, Texas 79901

Prepared by: Jorge O. Jaramillo

Date: 7-Nov-22

Subject: Basement Underground Sewer Replacement & RR 103 Re-Route

Description of Work	Quantity	Unit	Unit Price	Cost	Total Cost
Concrete Trenches 100'x2.5'x.5'					
Vapor Barrier	300.00	SF	\$ 2.97	\$ 891.00	\$ 891.00
No. 4 Dowels @ 18" O.C.	67.00	EA	\$ 6.75	\$ 452.25	\$ 452.25
Epoxy	5.00	EA	\$ 46.54	\$ 232.70	\$ 232.70
Labor - VB, Dowels and Epoxy	32.00	HRS	\$ 27.40	\$ 876.80	\$ 876.80
Plastic and Tape to Protect Finishes	1.00	LS	\$ 850.00	\$ 850.00	\$ 850.00
Labor to set up plastic and tape	16.00	HRS	\$ 24.27	\$ 388.32	\$ 388.32
4,000psi Concrete with 3/8" Aggregate *	6.50	CY	\$ 145.00	\$ 942.50	\$ 942.50
Two Sack to Prime Concrete Pump	1.00	CY	\$ 438.00	\$ 438.00	\$ 438.00
Concrete Pump + 200lf of extra 2" hose	1.00	LS	\$ 1,450.00	\$ 1,450.00	\$ 1,450.00
Labor - Place Concrete	56.00	HRS	\$ 27.40	\$ 1,534.40	\$ 1,534.40
Labor - Clean Up	24.00	HRS	\$ 24.27	\$ 582.48	\$ 582.48
Supervisor - Benito	24.00	HRS	\$ 33.75	\$ 810.00	\$ 810.00
Sub-Total				\$	9,448.45
10% OH & P				\$	944.85
Total				\$	10,393.30

Exclusions: Soil backfill and compaction

* Concrete pump always stays with 1CY of concrete as waste + 15% for our waste.

Labor

Manpower	# of Workers	hrs/day	day/week	\$/hour		ovrhead	
	2	2	10	\$ 22.62	\$ 904.80	1.4	\$ 1,267

Material**Masonite 1/8"**

4'x8' sheet	\$/Brd w/tax	Delivery	
40	21.639175 \$ 865.57	\$ -	\$ 865.57
			\$ 865.57

Plastic - Roll

Roll	\$/roll w/tax	Delivery	
2	181.849175 \$ 363.70	\$ -	\$ 363.70
			\$ 363.70

consumables

lot		
\$ 100.00		\$ 100.00

\$ 2,596

Dumpster**Dumpster**

pull	Qty	
\$ 600.00	3	\$ 1,800.00

\$ 1,800.00

\$ 4,396 checks

WHITE CAP®

White Cap, L.P.
PO Box 4944, Orlando, FL 32802-4944

BRANCH ADDRESS
051 - EL PASO
(915) 593-1210
11180 ROJAS DR STE A
EL PASO TX 79935
EL PASO

INVOICE

INVOICE NUMBER
50019859967
INVOICE DATE
10/07/2022
CUSTOMER PO NUMBER
2077702

ENROLLMENT TOKEN: BLP XVS SBV

SOLD TO: 79729000

TERRITORY:

SHIP TO: 10003638495

PLEASE REMIT PAYMENT TO:

White Cap, L.P.
P.O. Box 4852
ORLANDO, FL 32802-4852

JORDAN FOSTER CONSTRUCTION LLC
7700 CF JORDAN DRIVE
EL PASO TX 79912-8802

EL PASO COUNTY ANNEX
320 SOUTH CAMPBELL ST
JOB#2077702
EL PASO TX 79901

ORDER DATE	ORDER NO.	ORDERED BY	ACCOUNT MANAGER	TAKEN BY				
10/07/2022	49319842	CLAUDIO SALINA	MOODY, ROY	MORALES, ALAN				
BRANCH	ACCT JOB NO.	TERMS	SHIP VIA / ROUTING	CUSTOMER JOB NO.				
051	10003638495	NET 30 DAYS	6. OUR TRUCK MULTIPLE DELIVERY	EL PASO COUNTY				
LINE	PART NUMBER	DESCRIPTION	QTY ORD	UNIT PRICE	QTY BKO	QTY SHP	EXTENDED PRICE	TAX AMT
0	HDRDESC	***** DELIVERY TAG#: 22141989 *****	1	0	0	1	0.00	
1	432620B	6MIL 20'X100' BLACK POLYFILM VISQUEEN SOLD/ROLL	1	167.99 RL	0	1	167.99	13.86
2	339M18	1/8"X4'X8' MASONITE SHEET	30	19.99 EA	0	30	599.70	49.48
3	444BR11143	40LB GREEN WAX BASED SWEEP COMPOUND KRAFT BOX BRIGADE	3	33.19 EA	0	3	99.57	8.22
<div>The White Cap Family of Brands includes All-Tex Waterproofing Solutions, Harmac, Kenseal, Marvel Building & Masonry Supply, MASONPRO, and Williams Equipment & Supply. Learn more at About.WhiteCap.com</div> <div>THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE RESOLD, TRANSFERRED OR OTHERWISE DISPOSED OF TO ANY OTHER COUNTRY OR ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED INTO OTHER ITEMS, WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S. GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.</div>								
For questions regarding this invoice please call 1-866-857-0295.						TOTAL GROSS		867.26
NO REFUNDS OR EXCHANGES ON NON STOCK MERCHANDISE						TOTAL TAX		71.56
Visit https://www.whitecap.com/terms/terms-conditions-of-sale-terms-to-view-complete-terms-and-conditions .						TOTAL SHIPPING AND HANDLING		0.00
RECEIVED BY: SCOTT SMITH						TOTAL INVOICE		938.82
SIGNATURE COPY ON FILE								