Memorandum

MIAMI-DADE COUNTY

Date: August 15th, 2011

To: Penelope Townsley, Director
Small Business Development

From: Milton Collins, Associate Director
MDAD-Minority Affairs Division

Subject: MIA-Building 861 Hangar 7 & Building 862 Hangar 6 Upgrades
MCC No.: Q 074 A

The Minority Affairs Division has reviewed the subject project for the recommendation of contract measures, and concurs with the MCC-7-2005 Contractor' recommendation for a CSBE **Trade Set-Aside** measure for Site Construction, Package "A"; General, Package "B"; Miscellaneous Metals, Package "C"; Painting, Package "D"; HVAC, Package "F", and Electrical, Package "G", based on availability.

Also attached is the required Community Workforce Program (CWP) breakdown.

If additional information is needed, please call me at (305) 876-7221, or Robert Bruce (305) 876-7748.

Attachments (4)

c: A. Montalvo
W. Sadetsky
M. Gomez, MGCC
R. Bruce
C. Corrales
Project File

RECEIVED
DEPT. BUSINESS DEV.
2011 AUG 15 PM 4:14

C:\data\MCC PROJECTS\MCC Q 074 A MIA-BLDG. 861 HANGAR 7 & BLDG. 862 HANGAR 6 RC CONSIDER 8 41.doc

MINORITY AFFAIRS

2011 AUG 15 AM 11:00

Mike Gomez
Construction Consulting, Inc.

cc: MG; RB; YB; File

Date: August 11, 2011 MCC - 07-2005

To: Penelope Townsley, Director, Dept. of Small Business Development

Thru: Milton L. Collins, Associate Director, MDAD Minority Affairs

From: Mike Gomez, Mike Gomez Construction Consulting, Inc. (MCC-7-2005) for

Subject: **CSBE Recommendation**
MIA-Building 861 Hangar 7 & Building 862 Hangar 6 Upgrades, MCC-Q-074-A

This is a request for the Review Committee's (RC) approval of CSBE contract measures, in order for the MCC-7-2005 Contractor to proceed with the necessary work for a new drainage line installation with new electric pump, interior partition demolition, new doors and hardware, new handicapped ramps and railings, interior painting, upgrade of fire alarm system, overhead fire sprinkler system and new fire foam installation, new fire damper installation and all electrical upgrades.

The Contractor's staff has evaluated the project and recommends CSBE trade set-aside measures for the following trades: Package "A" Site Construction, Package "B" General, Package "C" Miscellaneous Metals, Package "D" Painting, Package "F" HVAC, and Pkg. "G" Electrical. The suggested CSBE subcontract items are listed on the Department Contract Measures Recommendation and Analysis form attached. This evaluation is based the CSBE Certification List as of August 9 from the Department of Small Business Development.

The Community Workforce Program (CWP) breakdown is attached for the required goal.

Total suggested Community Small Business Enterprise Goal for this his project **is** 40% **or** $1,838,669.00 of $4,621,196.03.

The MDAD Miscellaneous Construction Contract (MCC-7-2005) requires that the General Contractor shall enter into subcontractor agreements to perform the work. Prior to the issuance of each Project Order Draft, or in the event of an emergency, as soon thereafter as practicable, the Review Committee, which was established by the Ordinance 97-52, will review each Project Order for the establishment of contract measures relevant to Community Small Business Enterprise (CSBE) participation in the work to be performed, and will establish on each Project Order Draft as it is transmitted to the Contractor.

C: Walter Sadetsky – MDAD Project Manager
File

P.O. Box 998932 • Miami, FL 33299-8932 • T: 305.876.8444 • F: 305.876.8357

ATTACHMENT

Mike Gomez Construction & Consulting, Inc.
MCC-7-2005 Miami Dade County Aviation Department

Project Name: MIA-Building 861 Hangar 7 and Building 862 Hangar 6 Upgrades
Project Number: MCC-Q-074-A

Attachment to Construction Contract/Project Measure Analysis & Recommendation Form

Project Analysis for Goal Recommendation (CWP)

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job
Pkg. "A" Site Construction	8 Men	60 Days
Pkg. "B" General Construction	12 Men	80 Days
Pkg. "C" Miscellaneous Metals	4 Men	20 Days
Pkg. "D" Painting	12 Men	180 Days
Pkg. "E" Fire Suppression (Wet & Foam)	8 Men	160 Days
Pkg. "F" HVAC (Fire Dampers)	2 Men	5 Days
Pkg. "G" Electrical	8 Men	160 Days

Mike Gomez Construction Consulting, Inc.

Bid Line Item Sheet

Project Name: MIA-Bldg. 861 Hangar 7 and Bldg. 862 Hangar 6 Upgrades
Project No.: MCC-Q-074-A

ITEM NO.	DESCRIPTION	SUB PKG	SET ASIDE	Bldg. 862 Hangar 6	Bldg. 861 Hangar 7
	Site Construction	A	CSBE	$162,351.00	$162,351.00
	General Construction	B	CSBE	$164,259.63	$300,321.63
	Miscellaneous Metals	C	CSBE	$16,658.00	$16,658.00
	Painting	D	CSBE	$450,176.00	$80,979.00
	Fire Suppression (Wet & Foam)	E	Open	$850,000.00	$850,000.00
	HVAC (Fire Dampers)	F	CSBE	$1,131.00	$0.00
	Electrical	G	CSBE	$221,892.00	$261,892.00
	Honeywell - Fire Alarm System (Proprietary Work)	H	Open	$200,000.00	$200,000.00
	MGCC General Conditions			$21,702.00	$21,702.00
	Subtotal Hangar 6 & 7				$3,982,073.26
	Allowance Account Hangar 6 & 7	10%			$398,207.33
	Subtotal Hangar 6 & 7				$4,380,280.59
	MCC Fee (.055) Hangar 6 & 7	5.5%			$240,915.44
	Total				$4,621,196.03

Note: Where "Including" is noted, to read "Including but not limited to,".

ARCHITECT: Aaxis Architectural DATE: 08/11/2011

ESTIMATE SHEET PREPARED BY: J.C.

Project : Buildings 862 - Hanger No. 6 Upgrades CHECKED BY: G.T.

MDAD # Q074A

	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	1.- GENERAL REQUIREMNET										
	Provide a trash hold inspector for the duration of the project	4.0	Month			$ 1,200.00	$ -	$ -	$ 4,800.00	$ 4,800.00	
	Provide safety trench fencing to meet OSHA Standards for trench duration,	630.0	LF				$ -	$ -	$ -	$ -	
	Provide exiting safety ladder every 200 LF,	1.0	LS	$ 240.00			$ 240.00	$ -	$ -	$ 240.00	
	Provide safety rope and harnesses for crew while working on trench,	1.0	LS	$ 180.00			$ 180.00	$ -	$ -	$ 180.00	
	Dumpsters 30 CY EA,	20.00	EA			$ 320.00	$ -	$ -	$ 6,400.00	$ 6,400.00	
	Continues Cleaning	120.0	HR		$ 20.40		$ -	$ 2,448.00	$ -	$ 2,448.00	
	Final Cleaning,	80.0	HR		$ 20.40		$ -	$ 1,632.00	$ -	$ 1,632.00	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 420.00	$ 4,080.00	$ 11,200.00	$ 15,700.00	
	Labor Burden & Taxes						$ 29.40	$ 1,632.00		$ 1,661.40	
	O.H. & Profit									$ 4,340.35	
	SUB TOTAL									**$ 21,702.00**	$ 21,702.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL
	2.- SITE CONSTRUCTION									
	[redacted]						$ -	$ -	$ -	$ -
	Saw cut existing 8" thick Slab w/double reinforced rears,	628.0	LF	$ 1.35	$ 2.45		$ 847.80	$ 1,538.60	$ -	$ 2,386.40
	Break saw cut conc. W Jack Hammers,	40.3	CY	$ 62.00	$ 49.00		$ 2,500.46	$ 1,976.17	$ -	$ 4,476.63
	Remove existing 12" of gravel and	63.0	CY		$ 2.35	$ 2.57	$ -	$ 148.05	$ 161.91	$ 309.96
	existing fill, 3/4 CY excavator,	283.0	CY		$ 2.35	$ 2.57	$ -	$ 665.05	$ 727.31	$ 1,392.36
	Saw cut existing asphalt cover at parking lot,	360.0	LF	$ 0.41	$ 0.56	$ 0.45	$ 147.60	$ 201.60	$ 162.00	$ 511.20
	Remove asphalt cover.	1,556.0	SF			$ 0.28	$ -	$ -	$ 435.68	$ 435.68
	Remove existing 8" of gravel and	33.9	CY		$ 2.35	$ 2.57	$ -	$ 79.77	$ 87.24	$ 167.02
	existing fill,	219.0	CY		$ 2.35	$ 2.57	$ -	$ 514.65	$ 562.83	$ 1,077.48
	Load debris into truck. 15% of	1.0	LS			$ 442.02	$ -	$ -	$ 442.02	$ 442.02
	Haul away with 22 CY trucks,	27.0	EA			$ 105.00	$ -	$ -	$ 2,837.86	$ 2,837.86
	Remove existing sewer lines as fallows:						$ -	$ -	$ -	$ -
	Cut and capped existing 15" Sewer Lines	1.0	LS				$ -	$ -	$ -	$ -
	Remove 15" line connection and patch Catch Basin Walls with hydraulic cement and block combination,	1.0	LS			$ 200.00	$ -	$ -	$ 200.00	$ 200.00
	Bring clean and set pipe bed 8" thick compacted with	50.7	CY	$ 10.55	$ 5.75	$ 2.25	$ 534.69	$ 291.42	$ 114.03	$ 940.15
	trim to fallow drainage profile,	222.0	LF				$ -	$ -	$ -	$ -

"A"

Hanger 6

	Lay 8" DIP pipe,Tyton, push -on joint	220.0	LF	$ 22.00	$ 8.25	$ 3.28	$ 4,840.00	$ 1,815.00	$ 721.60	$ 7,376.60	
	Add 60 Degree tees,	5.0	EA	$ 70.00	$ 44.00		$ 350.00	$ 220.00	$ -	$ 570.00	
	Add 4 Clean Out and trims,	2.0	EA	$ 232.00	$ 69.50		$ 464.00	$ 139.00	$ -	$ 603.00	
	Add 4 FCO and trims,	1.0	EA	$ 232.00	$ 69.50		$ 232.00	$ 69.50	$ -	$ 301.50	
	Install 4" pipe for clean outs & FCO,	15.0	LF	$ 16.35	$ 16.65	$ 1.64	$ 245.25	$ 249.75	$ 24.60	$ 519.60	
	Bring clean and set pipe bed 8" thick compacted with dozer from embankment,	36.0	CY	$ 10.55	$ 5.75	$ 2.25	$ 379.80	$ 207.00	$ 81.00	$ 667.80	
	Compact fill to 98% around Sewer pipes,	87.0	CY		$ 2.94	$ 0.38	$ -	$ 255.78	$ 33.06	$ 288.84	
	Install 12" clean gravel at slab section and	72.5	CY	$ 25.00	$ 5.75	$ 2.25	$ 1,811.25	$ 416.59	$ 163.01	$ 2,390.85	
	compacted to 98%,	73.0	CY		$ 2.94	$ 0.38	$ -	$ 214.62	$ 27.74	$ 242.36	
	Install 8" clean gravel at asphalt parking lot section and	66.3	CY	$ 25.00	$ 5.75	$ 2.25	$ 1,656.85	$ 381.08	$ 149.12	$ 2,187.04	
	compacted to 98%,	67.0	CY		$ 2.94	$ 0.38	$ -	$ 196.98	$ 25.46	$ 222.44	
	Trim gravel backfill and make ready for concrete pour, **See Division 3, & Asphalt finish,,**	163.8	SY		$ 1.16	$ 0.06	$ -	$ 189.98	$ 9.83	$ 199.81	
	Bituminous-stabilized base course Prime seal and., cut back asphalt,	16.0	GA	$ 7.10	$ 0.10	$ 0.15	$ 113.60	$ 1.60	$ 2.40	$ 11.36	
	Install 2" Asphalt wearing surface,	172.9	SY	$ 7.30	$ 18.55	$ 1.69	$ 1,262.09	$ 3,207.09	$ 292.18	$ 4,761.36	
	Seal coating wearing surface	172.2	LS	$ 2.31	$ 0.12	$ 0.18	$ 397.83	$ 20.67	$ 31.00	$ 449.50	
	Allowance of stripping repair,	1.0	LS			$ 225.00	$ -	$ -	$ 225.00	$ 225.00	
	Clean Up	20.0	HR		$ 20.83		$ -	$ 416.60	$ -	$ 416.60	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 15,783.23	$ 13,416.55	$ 7,516.89	$ 36,610.42	
	Labor Burden & Taxes						$ 1,104.83	$ 5,366.62		$ 6,471.44	
	O.H. & Profit									$ 10,770.47	
	SUB TOTAL									**$ 53,853.00**	$ 53,853.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	2.- SITE CONSTRUCTION										
	[redacted]						$ -	$ -	$ -	$ -	
	Drill a 24" Dia. Hole 24" deep at Manholes #1 Base thru 12" Conc. Floor @ El. -3'-91/2"	2.0	EA	$ 8.80	$ 37.05	$ 6.96	$ 17.60	$ 74.10	$ 13.92	$ 105.62	
	Drill a 24" Dia. Hole 24" deep at Manholes #2 Base thru 8" Conc. Floor @ El -3'-5/8",	2.0	EA	$ 8.80	$ 37.05	$ 6.96	$ 17.60	$ 74.10	$ 13.92	$ 105.62	
	Provide a bottom galvanize steel cover to 15" diameter galvanized pipes welded watertight as an assembly,	2.0	EA	$ 232.00			$ 464.00	$ -	$ -	$ 464.00	
	Weld 3 passes. 3/8" thick, 0.2# per LF,	6.0	1.18	$ 13.05	$ 4.86		$ 78.30	$ 29.16	$ -	$ 107.46	
	Install a 15" Diameter CIP pipe at sump pump location grouted watertight in place,	2.0	EA	$ 49.00	$ 22.50	$ 9.00	$ 98.00	$ 45.00	$ 18.00	$ 161.00	
	At existing manhole cover provided cable rack,	2.0	EA				$ -	$ -	$ -	$ -	
	Provide liquid sensors,	2.0	EA	$ 105.00			$ 210.00	$ -	$ -	$ 210.00	
	Pre assembly 3" DIP pipe connection assembly with elbow to attached to pump connection,	2.0	EA	$ 350.00	$ 82.50	$ 32.80	$ 700.00	$ 165.00	$ 65.60	$ 930.60	
	Drill access hole thru veridical conc. Walls foe electrical cable connection 1" diameter.	2.0	EA	$ 0.39	$ 18.80		$ 700.00	$ 165.00	$ -	$ 865.00	
	Drill access hole thru veridical conc. Walls foe electrical cable connection 3" diameter.	2.0	EA	$ 20.60	$ 43.04	$ 8.06	$ 41.20	$ 86.08	$ 16.12	$ 143.40	

1" A "

	Grout these access holes water tight after pipe installation.	70.0	LF	$ 1.06	$ 1.00	$ 0.11	$ 74.20	$ 70.00	$ 7.70	$ 151.90	
	Provide 3" diameter DIP pipe run,	520.0	LF	$ 16.55	$ 8.25	$ 3.28	$ 8,606.00	$ 4,290.00	$ 1,705.60	$ 14,601.60	
	Provide a in line butterfly valves, cast iron,	2.0	EA	$ 900.00	$ 148.00		$ 1,800.00	$ 296.00	$ -	$ 2,096.00	
	Provide 90 degree elbows,	15.0	EA	$ 230.00	$ 81.00		$ 3,450.00	$ 1,215.00	$ -	$ 4,665.00	
	Provide 3" diameter tee,	6.0	EA	$ 350.00	$ 121.00		$ 2,100.00	$ 726.00	$ -	$ 2,826.00	
	Provide 3' Clean out and	6.0	EA	$ 230.00	$ 148.00		$ 1,380.00	$ 888.00	$ -	$ 2,268.00	
	Provide Clean Out trim brass plate,,	6.0	EA	$ 42.00			$ 252.00	$ -	$ -	$ 252.00	
	Decal direction arrows showing water flow,	104.0	EA	$ 1.05	$ 1.73		$ 109.20	$ 179.92	$ -	$ 289.12	
	Provide as built of drainage system,	1.0	LS			$ 1,200.00	$ -	$ -	$ 1,200.00	$ 1,200.00	
	New Sump Pump Including control panel and wire assembly purchase as a unit. Grundfos 1-1/2', 180TY, with 1/2HP, 1750 RPM, 230 V/3PH/60HZ Pumping 50 GPM:	2.0	EA	$ 3,825.00			$ 7,650.00	$ -	$ -	$ 7,650.00	
	Drill a 3" diameter holes thru existing CMU,	1.0	EA	$ 20.60	$ 43.04	$ 8.06	$ 20.60	$ 43.04	$ 8.06	$ 71.70	
	Saw cut asphalt cover at parking lot,	60.0	LF	$ 0.41	$ 0.56	$ 0.45	$ 24.60	$ 33.60	$ 27.00	$ 85.20	
	Trench a 24" wide trench to the New Gas Interceptor,	10.2	CY		$ 2.35	$ 2.57	$ -	$ 24.02	$ 26.27	$ 50.29	
	Bring clean and set pipe bed 3" thick compacted with dozer from embankment,	7.7	CY	$ 10.55	$ 5.75	$ 2.25	$ 80.88	$ 44.08	$ 17.25	$ 142.22	
	Compact fill to 98% around Sewer pipes,	8.0	CY		$ 2.94	$ 0.38	$ -	$ 23.52	$ 3.04	$ 26.56	
	Install 12" clean gravel at slab section and	2.6	CY	$ 25.00	$ 5.75	$ 2.25	$ 63.89	$ 14.69	$ 5.75	$ 84.33	
	compacted to 98%,	3.0	CY		$ 2.94	$ 0.38	$ -	$ 8.82	$ 1.14	$ 9.96	
	Bituminous-stabilized base course Prime seal and., cut back asphalt,	4.0	GA	$ 7.10	$ 0.10	$ 0.15	$ 28.40	$ 0.40	$ 0.60	$ 29.40	
	Install 2" Asphalt wearing surface,	6.7	SY	$ 7.30	$ 18.55	$ 1.69	$ 48.67	$ 123.67	$ 11.27	$ 183.60	
	Seal coating wearing surface	8.0	LS	$ 2.31	$ 0.12	$ 0.18	$ 18.48	$ 0.96	$ 1.44	$ 20.88	
	Allowance of stripping repair,	1.0	LS			$ 56.25	$ -	$ -	$ 56.25	$ 56.25	
	Clean Up	4.0	HR		$ 20.83		$ -	$ 83.32	$ -	$ 83.32	
	Install New Oil And Gas Interceptor,	1.0	EA	$ 11,500.00	$ 375.00		$ 11,500.00	$ 375.00	$ -	$ 11,875.00	
	Remove existing fill 12'x8'x12 deep.	49.1	CY		$ 2.35	$ 2.57	$ -	$ 115.31	$ 126.10	$ 241.41	
	Load debris into truck. 15% of	1.0	LS			$ 36.21	$ -	$ -	$ 36.21	$ 36.21	
	Haul away with 22 CY trucks,	3.0	EA			$ 105.00	$ -	$ -	$ 315.00	$ 315.00	
	Back fill with clean gravel around interceptor,	24.5	LCY	$ 25.00	$ 5.75	$ 2.25	$ 613.33	$ 141.07	$ 55.20	$ 809.60	
	Compact fill to 98% around Sewer pipes,	24.5	CY		$ 2.94	$ 0.38		$ 72.13	$ 9.32	$ 81.45	
	Bituminous-stabilized base course Prime seal and., cut back asphalt,	2.0	GA	$ 7.10	$ 0.10	$ 0.15	$ 14.20	$ 0.20	$ 0.30	$ 14.70	
	Install 2" Asphalt wearing surface,	8.0	SY	$ 7.30	$ 18.55	$ 1.69	$ 58.40	$ 148.40	$ 13.52	$ 220.32	
	Seal coating wearing surface	8.0	LS	$ 2.31	$ 0.12	$ 0.18	$ 18.48	$ 0.96	$ 1.44	$ 20.88	
	Allowance of stripping repair,	1.0	LS			$ 56.25	$ -	$ -	$ 56.25	$ 56.25	
							$ 40,238.03	$ 9,556.54	$ 3,812.27	$ 53,606.85	
							$ 2,816.66	$ 3,822.62		$ 6,639.28	
										$ 15,061.53	
										$ 75,308.00	$ 75,308.00

CODE		QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	3.- CONCRETE										
	Pour trench inside Hanger floor:										
	Drill for No.6 Rebar 12" o.c. at each side of trench	660.0	EA	$ 0.22	$ 9.50		$ 145.20	$ 6,270.00	$ -	$ 6,415.20	
	Install #6 24" long,	450.0	EA	$ 1.32	$ 3.08		$ 594.00	$ 1,386.00	$ -	$ 1,980.00	
	Dowell cap visual warning only, plastics.	450.0	EA	$ 0.42	$ 0.94		$ 189.00	$ 423.00	$ -	$ 612.00	
	Lay and tie continuous #5 Rebar with overlap 12" O.C. over and under,	1.3	Tons	$ 760.00	$ 650.00		$ 950.26	$ 812.73	$ -	$ 1,762.99	
	Pour 5,000 PSI pump mix concrete in place,	56.3	CY	$ 102.00	$ 12.25	$ 4.32	$ 5,740.56	$ 689.43	$ 243.13	$ 6,673.12	
	Finish with BULL FLOAT, MANUAL FLOAT & MANUAL STEEL TROWEL finish,	2,160.0	SF		$ 0.71		$ -	$ 1,533.60	$ -	$ 1,533.60	
"A"	2' Conc. Pump Show up, clean out and Pump,	8.0	HR			$ 75.00	$ -	$ -	$ 600.00	$ 600.00	
	Clean out,	4.0	HR		$ 20.83		$ -	$ 83.32	$ -	$ 83.32	
	Applied light water miss for 30 days above green conc. Pour for curing and stress relieve,	240.0	HR	$ 0.50	$ 5.21		$ 120.00	$ 1,250.40	$ -	$ 1,370.40	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 7,739.02	$ 12,448.48	$ 843.13	$ 21,030.63	
	Labor Burden & Taxes						$ 541.73	$ 4,979.39		$ 5,521.12	
	O.H. & Profit									$ 6,637.94	
	SUB TOTAL									**$ 33,190.00**	$ 33,190.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	3.- CONCRETE										
	[illegible]						$ -	$ -	$ -	$ -	
	New Corridor 165 ramps, @ Door 13,						$ -	$ -	$ -	$ -	
	Saw Cut existing 12" deep conc. w/T&B Rebar,	48.0	LF	$ 0.67	$ 0.97	$ 0.79	$ 32.16	$ 48.56	$ 37.92	$ 116.64	
	Remove Existing saw concrete 12" at landing and 8" at ramps,.	2.0	CY		$ 84.00	$ 14.05	$ -	$ 168.00	$ 28.10	$ 196.10	
	Form work 12" High,	30.0	LF	$ 0.59	$ 2.90		$ 17.70	$ 87.00	$ -	$ 104.70	
	Pour conc. 4,000 PSI,	2.0	CY	$ 103.00	$ 18.40	$ 0.68	$ 206.00	$ 36.80	$ 1.36	$ 244.16	
	Fine Broom Finish.	60.0	SF		$ 0.49		$ -	$ 29.40	$ -	$ 29.40	
"B"	Conc. Pump.,	2.0	CY			$ 75.00	$ -	$ -	$ 150.00	$ 150.00	
							$ 255.86	$ 367.76	$ 217.38	$ 841.00	
	Cost of a 5x5 landing and a 4x8 ramps	87.0	SF								
	Corridor 121 New Ramp at Doors 08 & 09:	98.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 288.20	$ 414.26	$ 244.86	$ 947.32	
	Existing Corridor 122:	44.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 129.40	$ 185.99	$ 109.94	$ 425.33	
	Existing Corridor 122 near Columns 2.1	90.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 264.67	$ 380.44	$ 224.88	$ 869.99	
	New Corridor 161 to existing corridor 121:	104.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 305.84	$ 439.62	$ 259.86	$ 1,005.32	
	New corridor 163 both ends:	173.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 508.76	$ 731.29	$ 432.26	$ 1,672.31	
	New Corridor 166 and 167:			$ 2.94	$ 4.23	$ 2.50	$ -	$ -	$ -	$ -	
	Door 16	57.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 167.63	$ 240.95	$ 142.42	$ 550.99	
	DOOR 17,	45.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 132.34	$ 190.22	$ 112.44	$ 434.99	
	Door 18,	45.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 132.34	$ 190.22	$ 112.44	$ 434.99	
	New Foam Room,	60.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 176.45	$ 253.63	$ 149.92	$ 579.99	

	Sub Total						$ 2,361.48	$ 3,394.38	$ 2,006.39	$ 7,762.25	
	Labor Burden & Taxes						$ 165.30	$ 1,357.75		$ 1,523.06	
	O.H. & Profit									$ 2,321.33	
	SUB TOTAL									$ 11,606.63	$ 11,606.63

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	4.- MASONRY										
	[redacted]						$ -	$ -	$ -	$ -	
	Saw cur existing CMU Portion Wall,	11.0	LF	$ 44.52	$ 36.96		$ 489.72	$ 406.56	$ -	$ 896.28	
	Remove CMU @ doorway wall opening,	198.0	EA		$ 0.76		$ -	$ 150.48	$ -	$ 150.48	
	Add Overhead Precast Header Beam,	24.7	CF	$ 4.25	$ 3.44	$ 0.38	$ 104.93	$ 84.93	$ 9.38	$ 199.24	
	Prepare side walls of opening for frame installation,	187.0	LF	$ 0.99	$ 0.86	$ 0.09	$ 185.13	$ 160.82	$ 16.83	$ 362.78	
	Remove existing door and frame a existing stair 104,	1.0	EA		$ 58.05		$ -	$ 58.05	$ -	$ 58.05	
	Demo existing stair,(95)	1.0	LS		$ 400.00		$ -	$ 400.00	$ -	$ 400.00	
	Remove frame and doors at steel stair partition location, CMU. (6) [provide temporary structural angles bolted to walls with engineering calculation and seal,	2.0	EA	$ 44.52	$ 36.96	$ 1,200.00	$ 89.04	$ 73.92	$ 2,400.00	$ 2,562.96	
"B"	Open existing drywall partition. Install side framing and header for door opening installation, (1, 2 and 3)	116.0	SF		$ 0.66		$ -	$ 76.56	$ -	$ 76.56	
	Frame Door Opening	11.0	EA	$ 16.00	$ 18.00		$ 176.00	$ 198.00	$ -	$ 374.00	
	Existing conc. Ramps to be demolish, (8),						$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
							$ 1,044.82	$ 1,609.32	$ 2,426.21	$ 5,080.35	
							$ 73.14	$ 643.73		$ 716.87	
										$ 1,449.31	
										$ 7,247.00	$ 7,247.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	4.- MASONRY PARTITIONS:										
	Scaffolding rental for 8 weeks	1.0	LS			$ 3,200.00	$ -	$ -	$ 3,200.00	$ 3,200.00	
	New CMU Partition to two hours rating by applying 3/4" one coat of stucco both face of partition walls **EW7 and EW8,**		SY	$ 3.54	$ 8.00	$ 0.76	$ -	$ -	$ -	$ -	
"B"	Rework existing CMU Partition to two hours rating by applying 3/4" one coat of stucco both face of partition walls **EW17,**		SY	$ 3.54	$ 8.00	$ 0.76	$ -	$ -	$ -	$ -	
	Existing Corridor 156	1,474.0	SF				$ -	$ -	$ -	$ -	
	New Corridor 169,	616.0	SF				$ -	$ -	$ -	$ -	
	New Corridor 167,	1,936.0	SF				$ -	$ -	$ -	$ -	
	New corridor 168	1,760.0	SF				$ -	$ -	$ -	$ -	
	Existing corridor 153,	1,364.0	SF				$ -	$ -	$ -	$ -	

	New Corridor 166,	264.0	SF								
	Room 150 & 144 Column Line 9,2,	2,112.0	SF								
	Existing Corridor 122	2,288.0	SF				$ -	$ -	$ -	$ -	
	Existing g Corridor 122,	2,288.0	SF				$ -	$ -	$ -	$ -	
	Room 116, 114, 105,	1,276.0	SF				$ -	$ -	$ -	$ -	
	Total surface amount of stucco and paint,	15,378.0	SF				$ -	$ -	$ -	$ -	
	Total surface of stucco in SY,	1,708.7	SY	$ 3.54	$ 8.00	$ 0.76	$ 6,048.68	$ 13,669.33	$ 1,298.59	$ 21,016.60	
	Hoisting bring CMU material to location and clean up,	120.0	HR		$ 20.80		$ -	$ 2,496.00	$ -	$ 2,496.00	
	Sub Total						$ 6,048.68	$ 16,165.33	$ 4,498.59	$ 26,712.60	
	Labor Burden & Taxes						$ 423.41	$ 6,466.13		$ 6,889.54	
	O.H. & Profit									$ 8,400.54	
	SUB TOTAL									**$ 42,003.00**	$ 42,003.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	05.- 52 13 RAILINGS, PIPE:										
	Aluminum pipe 1-1/2" & Picket railing, double top rail, pickets @ 4-1/2" OC						$ -	$ -	$ -	$ -	
	36" High, straight & Sloped,	96.0	LF	$ 93.00	$ 18.75		$ 8,928.00	$ 1,800.00	$ -	$ 10,728.00	
	Single wall mounted 1-1/2" rail system,	42.0	LF	$ 17.95	$ 7.10	$ 0.69	$ 753.90	$ 298.20	$ 28.98	$ 1,081.08	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 9,681.90	$ 2,098.20	$ 28.98	$ 11,809.08	
	Labor Burden & Taxes						$ 677.73	$ 839.28		$ 1,517.01	
	O.H. & Profit									$ 3,331.52	
	SUB TOTAL									**$ 16,658.00**	$ 16,658.00

"C"

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL
	8.- DOORS & WINDOWS									
	[redacted]						$ -	$ -	$ -	$ -
	3070 Hallow Metal 18 Gauge Doors,	21.0	EA	$ 395.00	$ 41.50		$ 8,295.00	$ 871.50	$ -	$ 9,166.50
	3070 Hallow Metal Frame 16 Gauge,	21.0	EA	$ 149.00	$ 41.50		$ 3,129.00	$ 871.50	$ -	$ 4,000.50
	6070 Hallow Metal 18 Gauge Doors,	2.0	EA	$ 395.00	$ 41.50		$ 790.00	$ 83.00	$ -	$ 873.00
	3070 Hallow Metal Frame 16 Gauge,	2.0	EA	$ 171.00	$ 47.50		$ 342.00	$ 95.00	$ -	$ 437.00
	Solid Grout all 3070 door frames,	21.0	EA	$ 10.65	$ 220.00	$ 2.21	$ 223.65	$ 4,620.00	$ 46.41	$ 4,890.06
	Solid Grout all 6070door frames,	2.0	EA	$ 14.90	$ 26.50	$ 2.94	$ 29.80	$ 53.00	$ 5.88	$ 88.68
	Side, light 12x68, half lite, low e,	7.0	EA	$ 92.00			$ 644.00	$ -	$ -	$ 644.00
	Full Mortise, ave, freq, steel base, USP, 4-1/2"x4-1/2", Non removal pin, add security item,	35.0	Pairs	$ 29.97			$ 1,048.95	$ -	$ -	$ 1,048.95
	Closers,	25.0	EA	$ 155.00	$ 51.00		$ 3,875.00	$ 1,275.00	$ -	$ 5,150.00
	Panic Hardware,	3.0	EA	$ 540.00	$ 66.50		$ 1,620.00	$ 199.50	$ -	$ 1,819.50

"B"

	Level Handle door passage lockset,	22.0	EA	$ 187.00	$ 37.00		$ 4,114.00	$ 814.00	$ -	$ 4,928.00	
	Astragal	2.0	EA	$ 17.90	$ 3.69		$ 35.80	$ 7.38	$ -	$ 43.18	
	Alum door saddle 3 ft wide,	21.0	EA	$ 12.48	$ 20.85		$ 262.08	$ 437.85	$ -	$ 699.93	
	Alum door saddle 6 ft wide,	2.0	EA	$ 39.00	$ 27.50		$ 78.00	$ 55.00	$ -	$ 133.00	
	Weather striping,	3.0	EA	$ 44.10	$ 38.85		$ 132.30	$ 116.55	$ -	$ 248.85	
	Sub Total						$ 24,111.40	$ 8,882.50	$ 52.29	$ 33,046.19	
	Labor Burden & Taxes						$ 1,687.80	$ 3,553.00		$ 5,240.80	
	O.H. & Profit									$ 9,571.75	
	SUB TOTAL									**$ 47,859.00**	$ 47,859.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	9.- FINISHES FLOOR FINISH										
	Epoxy Floor Installation:										
	Remove existing floor finish from hanger & back shop area floor with shoot pebble procedure,	83,507.0	SF		$ 0.09	$ 0.54					
	Provide a moisture test on existing slab and provide result	1.0	LS			$ 2,000.00					
	Apply Epoxy flooring to hanger and adjacent shop area floor,	83,507.0	SF	$ 8.30	$ 1.53	$ 0.04					
	Sub Total										
	Labor Burden & Taxes										
	O.H. & Profit										
	SUB TOTAL									$ -	$ -

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	9.- FINISHES INTERIOR PAINT										
	Paint rolling hangers doors Inside and	0					$ -	$ -	$ -	$ -	
	Outside (AIR Side),	0					$ -	$ -	$ -	$ -	
	Clean tracks of ROLLING doors and remove all ground cover on tracks,	0					$ -	$ -	$ -	$ -	
	[redacted]						$ -	$ -	$ -	$ -	
	8" Dia. Steel Pile,	[redacted]	SF				$ -	$ -	$ -	$ -	
	6" Dia. Steel Pile,	[redacted]	SF				$ -	$ -	$ -	$ -	
	4" Dia. Steel Pile,	[redacted]	SF				$ -	$ -	$ -	$ -	
	3" Dai Steel Pipe	[redacted]	SF				$ -	$ -	$ -	$ -	
	2-1.2" Dia. Steel Pile,	[redacted]	SF				$ -	$ -	$ -	$ -	
	2" Dia. Steel Pile,	[redacted]	SF				$ -	$ -	$ -	$ -	
	1-1/2" Dia. Steel Pile,	[redacted]	SF				$ -	$ -	$ -	$ -	

"D"

	1-1/4" Dia. Steel Pile,		SF				$ -	$ -	$ -	$ -	
	1" Dia. Steel Pile,		SF				$ -	$ -	$ -	$ -	
	Total amount of surface to be painted Labor,	26,800.0	SF		$ 0.50		$ -	$ 13,400.00	$ -	$ 13,400.00	
	Painted one coat primer,	39.0	GA	$20			$ 780.00	$ -	$ -	$ 780.00	
	Paint One Coat red Enamel,,	32.0	GA	$22			$ 704.00	$ -	$ -	$ 704.00	
	Paint New Drywall Fire Corridor,	13,415.0	SF	$ 0.28	$ 0.50		$ 3,756.20	$ 6,640.43	$ -	$ 10,396.63	
	Paint Hallow metal door and frame,	25.0	EA	$ 3.78	$ 29.00		$ 94.50	$ 725.00	$ -	$ 819.50	
	Rental 120Ft reach 8xs12 platform month rental, 2 per month,	2.0	EA			$ 1,800.00	$ -	$ -	$ 3,600.00	$ 3,600.00	
	Pressure wash existing structural steel, perimeter walls and conc. Floor,	211,066.0	SF		$ 0.12	$ 0.03	$ -	$ 25,327.92	$ 6,331.98	$ 31,659.90	
	Total surface amount of stucco and paint,	15,378.0	SF	$ 0.28	$ 0.50		$ 4,305.84	$ 7,612.11	$ -	$ 11,917.95	
	New Partition Column line J and 7.3,Rooms 137, 142 & 143	2,028.0	SF	$ 0.28	$ 0.50		$ 567.84	$ 1,003.86	$ -	$ 1,571.70	
	Structural steel, perimeter walls and conc. Floor,	211,066.0	SF	$ 0.28	$ 0.68		$ 59,098.48	$ 142,469.55	$ -	$ 201,568.03	
	Sub Total						$ 69,306.86	$ 197,178.87	$ 9,931.98	$ 276,417.71	
	Labor Burden & Taxes						$ 4,851.48	$ 78,871.55		$ 83,723.03	
	O.H. & Profit									$ 90,035.18	
	SUB TOTAL									**$ 450,176.00**	$ 450,176.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	9.- FINISHES										
							$ -	$ -	$ -	$ -	
	Remove existing chain link fence	50.0	LF		$ 1.23		$ -	$ 61.50	$ -	$ 61.50	
	Patch existing conc.	6.0	EA			$ 25.00	$ -	$ -	$ 150.00	$ 150.00	
	New Partition,	980.0	SF	$ 0.88	$ 2.28		$ 862.40	$ 2,234.40	$ -	$ 3,096.80	
	Existing partition,	0.0	SF	$ -	$ -		$ -	$ -		$ -	
	New partition,	1,840.0	SF	$ 0.88	$ 2.28		$ 1,619.20	$ 4,195.20	$ -	$ 5,814.40	
	Existing partition,	1,770.0	SF	$ 0.32	$ 0.69		$ 566.40	$ 1,221.30	$ -	$ 1,787.70	
	New Partition,	2,380.0	SF	$ 0.88	$ 2.28		$ 2,094.40	$ 5,426.40	$ -	$ 7,520.80	
	Existing partition,	5,010.0	SF	$ 0.32	$ 0.69		$ 1,603.20	$ 3,456.90	$ -	$ 5,060.10	
	Install Ceiling thru at Fire Corridor 2 layers drywall,	1,424.4	SF	$ 0.88	$ 2.28		$ 1,253.47	$ 3,247.63	$ -	$ 4,501.10	
	Install batt insulation at new partition walls	6,625.0	SF	$ 0.43	$ 0.21		$ 2,848.75	$ 1,391.25	$ -	$ 4,240.00	
	Corner bead Installation and	450.0	LF	$ 0.23	$ 1.11		$ 101.25	$ 499.50	$ -	$ 600.75	
	Finish,	450.0	LF	$ 0.21	$ 0.53		$ 94.50	$ 238.50	$ -	$ 333.00	
	New Partition Column line J and 7.3,Rooms 137, 142 & 143	2,028.0	SF	$ 0.88	$ 2.28		$ 1,784.64	$ 4,623.84	$ -	$ 6,408.48	
	Sub Total						$ 11,043.57	$ 21,972.58	$ 150.00	$ 33,166.15	
	Labor Burden & Taxes						$ 773.05	$ 8,789.03		$ 9,562.08	
	O.H. & Profit									$ 10,682.06	
	SUB TOTAL									**$ 53,411.00**	$ 53,411.00

"B"

"B"

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	9.- FINISHES										
							$ -	$ -	$ -	$ -	
	12" wide pre-cast concrete tiles set in mud set,	60.0	LF	22.00	3.50		$ 1,320.00	$ 210.00	$ -	$ 1,530.00	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 1,320.00	$ 210.00	$ -	$ 1,530.00	
	Labor Burden & Taxes						$ 92.40	$ 84.00		$ 176.40	
	O.H. & Profit									$ 426.60	
	SUB TOTAL									**$ 2,133.00**	$ 2,133.00

"E"

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	15.- MECHANICAL -OVERHEAD SPRINKLER AND FOAM SYSTEM ALLOWANCE										
	Wet pipe overhead sprinkler system	1.0	LS			525,000.00	$ -	$ -	$ 525,000.00	$ 525,000.00	
	Foam System	1.0	LS			325,000.00	$ -	$ -	$ 325,000.00	$ 325,000.00	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
	Sub Total						$ -	$ -	$ 850,000.00	$ 850,000.00	
	Labor Burden & Taxes						$ -	$ -		$ -	
	O.H. & Profit									$ -	
	SUB TOTAL									**$ 850,000.00**	$ 850,000.00

"F"

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	15.- MECHANICAL										
	Add Smoke Fire smoke comb and Returned air Fire Dampers:						$ -	$ -	$ -	$ -	
	Add 12x10 Walls mounted fire damper,	1.0	EA	$ 105.00	$ 80.00		$ 105.00	$ 80.00	$ -	$ 185.00	
	Add Air Return Fire Damper 36x12,	1.0	EA	$ 275.00	$ 100.00		$ 275.00	$ 100.00	$ -	$ 375.00	
	Add 4" 1/4" steel angles with welded corners,	12.0	LF	$ 11.45	$ 5.50	$ 0.53	$ 137.40	$ 66.00	$ 6.36	$ 209.76	
	Air Return grill 36x12,	1.0	EA				$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 517.40	$ 246.00	$ 6.36	$ 769.76	
	Labor Burden & Taxes						$ 36.22	$ 98.40		$ 134.62	
	O.H. & Profit									$ 226.09	
	SUB TOTAL									**$ 1,131.00**	$ 1,131.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	16 - FIRE ALARM SYSTEM										
	Provide Seal Engineer Shop drawings by Honeywell sealed and ready for permitting,	1.0	LS			200,000.00				$ 200,000.00	
	Provide all fire alarm devises as shown on drawings to provide complete fire projection and call back to monitoring unit at central station.										
	Labor Burden & Taxes						$ -	$ -		$ -	
	O.H. & Profit									$ -	
	SUB TOTAL									$ 200,000.00	$ 200,000.00

CODE	DESCRIPTION	QUANTITY	UNIT	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	16.- ELECTRICAL										
	Building 862, Work Scope as fallows for Hanger 6:						$ -	$ -	$ -	$ -	
	Demo and relocate power devises (switch, receptacle, light fixtures, exit sign, emergency etc,	1.0	LS				$ -	$ -	$ 221,892.00	$ 221,892.00	
	Relocated and replace Fire Alarm,						$ -	$ -	$ -	$ -	
	New Light fixtures,						$ -	$ -	$ -	$ -	
	Upgrade Fire Alarm Systems						$ -	$ -	$ -	$ -	
	Note: Fire Alarm devises and controllers are not part of this cost estimate. Those will be handled thru Honeywell Fire Alarm Systems,						$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
	Sub Total						$ -	$ -	$ 221,892.00	$ 221,892.00	
	Labor Burden & Taxes						$ -	$ -		$ -	
	O.H. & Profit									$ -	
	SUB TOTAL									$ 221,892.00	$ 221,892.00
											$ 2,088,169.63
	Labor Burden:	40%				**Sub Total**			$ 2,088,169.63		
	Sales Taxes:	7%				**Labor Burden and Taxes**			$ -		
	O.H. & Profit:	25%				**O.H. & Profit**			$ -		
	Contingency Fee:	10%				**Contingency Fee**			$ 208,816.96		$ 208,816.96
	MGCC Fee:	5.5%				**TGSV Fee**			$ 126,334.27		$ 126,334.27
	GRAND TOTAL							$ 2,423,320.87			$ 2,423,320.87

ARCHITECT: Aaxis Architectural — DATE: 08/11/2011

ESTIMATE SHEET — PREPARED BY: J.C.

Project: Building 861, Hanger No. 7 Upgrades, — CHECKED BY: G.T.

Project No. MDAD # Q074A.

	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	1.- GENERAL REQUIREMNET										
	Provide a trash hold inspector for the duration of the project	4.0	Month			$ 1,200.00	$ -	$ -	$ 4,800.00	$ 4,800.00	
	Provide safety trench fencing to meet OSHA Standards for trench duration,	630.0	LF				$ -	$ -	$ -	$ -	
	Provide exiting safety ladder every 200 LF,	1.0	LS	$ 240.00			$ 240.00	$ -	$ -	$ 240.00	
	Provide safety rope and harnesses for crew while working on trench,	1.0	LS	$ 180.00			$ 180.00	$ -	$ -	$ 180.00	
	Dumpsters 30 CY EA,	20.00	EA			$ 320.00	$ -	$ -	$ 6,400.00	$ 6,400.00	
	Continues Cleaning	120.0	HR		$ 20.40		$ -	$ 2,448.00	$ -	$ 2,448.00	
	Final Cleaning,	80.0	HR		$ 20.40		$ -	$ 1,632.00	$ -	$ 1,632.00	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 420.00	$ 4,080.00	$ 11,200.00	$ 15,700.00	
	Labor Burden & Taxes						$ 29.40	$ 1,632.00		$ 1,661.40	
	O.H. & Profit									$ 4,340.35	
	SUB TOTAL									$ 21,702.00	$ 21,702.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL
	2.- SITE CONSTRUCTION									
	[redacted]						$ -	$ -	$ -	$ -
	Saw cut existing 8" thick Slab w/double reinforced rears,	628.0	LF	$ 1.35	$ 2.45		$ 847.80	$ 1,538.60	$ -	$ 2,386.40
	Break saw cut conc. W Jack Hammers,	40.3	CY	$ 62.00	$ 49.00		$ 2,500.46	$ 1,976.17	$ -	$ 4,476.63
	Remove existing 12" of gravel and	63.0	CY		$ 2.35	$ 2.57	$ -	$ 148.05	$ 161.91	$ 309.96
	existing fill, 3/4 CY excavator,	283.0	CY		$ 2.35	$ 2.57	$ -	$ 665.05	$ 727.31	$ 1,392.36
	Saw cut existing asphalt cover at parking lot,	360.0	LF	$ 0.41	$ 0.56	$ 0.45	$ 147.60	$ 201.60	$ 162.00	$ 511.20
	Remove asphalt cover.	1,556.0	SF			$ 0.28	$ -	$ -	$ 435.68	$ 435.68

"A"

Hangar 7

	Remove existing 8" of gravel and	33.9	CY		$ 2.35	$ 2.57	$ -	$ 79.77	$ 87.24	$ 167.02	
	existing fill,	219.0	CY		$ 2.35	$ 2.57	$ -	$ 514.65	$ 562.83	$ 1,077.48	
	Load debris into truck. 15% of	1.0	LS			$ 442.02	$ -	$ -	$ 442.02	$ 442.02	
	Haul away with 22 CY trucks,	27.0	EA			$ 105.00	$ -	$ -	$ 2,837.86	$ 2,837.86	
	Remove existing sewer line (Allowance)						$ -	$ -	$ -	$ -	
	Cut and capped existing 15" Sewer Lines	1.0	LS				$ -	$ -	$ -	$ -	
	Remove 15" line connection and patch Catch Basin Walls with hydraulic cement and block combination.	1.0	LS			$ 200.00	$ -	$ -	$ 200.00	$ 200.00	
	Bring clean and set pipe bed 8" thick compacted with	50.7	CY	$ 10.55	$ 5.75	$ 2.25	$ 534.69	$ 291.42	$ 114.03	$ 940.15	
	trim to fallow drainage profile,	222.0	LF				$ -	$ -	$ -	$ -	
	Lay 8" DIP pipe,Tyton, push -on joint	220.0	LF	$ 22.00	$ 8.25	$ 3.28	$ 4,840.00	$ 1,815.00	$ 721.60	$ 7,376.60	
	Add 60 Degree tees,	5.0	EA	$ 70.00	$ 44.00		$ 350.00	$ 220.00	$ -	$ 570.00	
	Add 4 Clean Out and trims,	2.0	EA	$ 232.00	$ 69.50		$ 464.00	$ 139.00	$ -	$ 603.00	
	Add 4 FCO and trims,	1.0	EA	$ 232.00	$ 69.50		$ 232.00	$ 69.50	$ -	$ 301.50	
	Install 4" pipe for clean outs & FCO,	15.0	LF	$ 16.35	$ 16.65	$ 1.64	$ 245.25	$ 249.75	$ 24.60	$ 519.60	
	Bring clean and set pipe bed 8" thick compacted with dozer from embankment,	36.0	CY	$ 10.55	$ 5.75	$ 2.25	$ 379.80	$ 207.00	$ 81.00	$ 667.80	
"A"	Compact fill to 98% around Sewer pipes,	87.0	CY		$ 2.94	$ 0.38	$ -	$ 255.78	$ 33.06	$ 288.84	
	Install 12" clean gravel at slab section and	72.5	CY	$ 25.00	$ 5.75	$ 2.25	$ 1,811.25	$ 416.59	$ 163.01	$ 2,390.85	
	compacted to 98%,	73.0	CY		$ 2.94	$ 0.38	$ -	$ 214.62	$ 27.74	$ 242.36	
	Install 8" clean gravel at asphalt parking lot section and	66.3	CY	$ 25.00	$ 5.75	$ 2.25	$ 1,656.85	$ 381.08	$ 149.12	$ 2,187.04	
	compacted to 98%,	67.0	CY		$ 2.94	$ 0.38	$ -	$ 196.98	$ 25.46	$ 222.44	
	Trim gravel backfill and make ready for concrete pour, **See Division 3, & Asphalt finish,,**	163.8	SY		$ 1.16	$ 0.06	$ -	$ 189.98	$ 9.83	$ 199.81	
	Bituminous-stabilized base course Prime seal and., cut back asphalt,	16.0	GA	$ 7.10	$ 0.10	$ 0.15	$ 113.60	$ 1.60	$ 2.40	$ 11.36	
	Install 2" Asphalt wearing surface,	172.9	SY	$ 7.30	$ 18.55	$ 1.69	$ 1,262.09	$ 3,207.09	$ 292.18	$ 4,761.36	
	Seal coating wearing surface	172.2	LS	$ 2.31	$ 0.12	$ 0.18	$ 397.83	$ 20.67	$ 31.00	$ 449.50	
	Allowance of stripping repair,	1.0	LS			$ 225.00	$ -	$ -	$ 225.00	$ 225.00	
	Clean Up	20.0	HR		$ 20.83		$ -	$ 416.60	$ -	$ 416.60	
	Sub Total						$ 15,783.23	$ 13,416.55	$ 7,516.89	$ 36,610.42	
	Labor Burden & Taxes						$ 1,104.83	$ 5,366.62		$ 6,471.44	
	O.H. & Profit									$ 10,770.47	
	SUB TOTAL									$ 53,853.00	$ 53,853.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL
	2.- SITE CONSTRUCTION									
	[redacted]						$ -	$ -	$ -	$ -
	Drill a 24" Dia. Hole 24" deep at Manholes #1 Base thru 12" Conc. Floor @ El. -3'-91/2"	2.0	EA	$ 8.80	$ 37.05	$ 6.96	$ 17.60	$ 74.10	$ 13.92	$ 105.62
	Drill a 24" Dia. Hole 24" deep at Manholes #2 Base thru 8" Conc. Floor @ El -3'-5/8",	2.0	EA	$ 8.80	$ 37.05	$ 6.96	$ 17.60	$ 74.10	$ 13.92	$ 105.62
	Provide a bottom galvanize steel cover to 15" diameter galvanized pipes welded watertight as an assembly.	2.0	EA	$ 232.00			$ 464.00	$ -	$ -	$ 464.00
	Weld 3 passes. 3/8" thick, 0.2# per LF,	6.0	1.18	$ 13.05	$ 4.86		$ 78.30	$ 29.16	$ -	$ 107.46
	Install a 15" Diameter CIP pipe at sump pump location grouted watertight in place,	2.0	EA	$ 49.00	$ 22.50	$ 9.00	$ 98.00	$ 45.00	$ 18.00	$ 161.00
	At existing manhole cover provided cable rack,	2.0	EA				$ -	$ -	$ -	$ -
	Provide liquid sensors,	2.0	EA	$ 105.00			$ 210.00	$ -	$ -	$ 210.00
"A"	Pre assembly 3" DIP pipe connection assembly with elbow to attached to pump connection,	2.0	EA	$ 350.00	$ 82.50	$ 32.80	$ 700.00	$ 165.00	$ 65.60	$ 930.60
	Drill access hole thru veridical conc. Walls foe electrical cable connection 1" diameter.	2.0	EA	$ 0.39	$ 18.80		$ 700.00	$ 165.00	$ -	$ 865.00
	Drill access hole thru veridical conc. Walls foe electrical cable connection 3" diameter.	2.0	EA	$ 20.60	$ 43.04	$ 8.06	$ 41.20	$ 86.08	$ 16.12	$ 143.40
	Grout these access holes water tight after pipe installation.	70.0	LF	$ 1.06	$ 1.00	$ 0.11	$ 74.20	$ 70.00	$ 7.70	$ 151.90
	Provide 3" diameter DIP pipe run,	520.0	LF	$ 16.55	$ 8.25	$ 3.28	$ 8,606.00	$ 4,290.00	$ 1,705.60	$ 14,601.60
	Provide a in line butterfly valves, cast iron,	2.0	EA	$ 900.00	$ 148.00		$ 1,800.00	$ 296.00	$ -	$ 2,096.00
	Provide 90 degree elbows,	15.0	EA	$ 230.00	$ 81.00		$ 3,450.00	$ 1,215.00	$ -	$ 4,665.00
	Provide 3" diameter tee,	6.0	EA	$ 350.00	$ 121.00		$ 2,100.00	$ 726.00	$ -	$ 2,826.00
	Provide 3' Clean out and	6.0	EA	$ 230.00	$ 148.00		$ 1,380.00	$ 888.00	$ -	$ 2,268.00
	Provide Clean Out trim brass plate,,	6.0	EA	$ 42.00			$ 252.00	$ -	$ -	$ 252.00
	Decal direction arrows showing water flow,	104.0	EA	$ 1.05	$ 1.73		$ 109.20	$ 179.92	$ -	$ 289.12
	Provide as built of drainage system,	1.0	LS			$ 1,200.00	$ -	$ -	$ 1,200.00	$ 1,200.00
	New Sump Pump Including control panel and wire assembly purchase as a unit. Grundfos 1-1/2', 180TY, with 1/2HP, 1750 RPM, 230 V/3PH/60HZ Pumping 50 GPM:	2.0	EA	$ 3,825.00			$ 7,650.00	$ -	$ -	$ 7,650.00
	Drill a 3" diameter holes thru existing CMU,	1.0	EA	$ 20.60	$ 43.04	$ 8.06	$ 20.60	$ 43.04	$ 8.06	$ 71.70

	Saw cut asphalt cover at parking lot,	60.0	LF	$ 0.41	$ 0.56	$ 0.45	$ 24.60	$ 33.60	$ 27.00	$ 85.20	
	Trench a 24" wide trench to the New Gas Interceptor,	10.2	CY		$ 2.35	$ 2.57	$ -	$ 24.02	$ 26.27	$ 50.29	
	Bring clean and set pipe bed 3" thick compacted with dozer from embankment,	7.7	CY	$ 10.55	$ 5.75	$ 2.25	$ 80.88	$ 44.08	$ 17.25	$ 142.22	
	Compact fill to 98% around Sewer pipes,	8.0	CY		$ 2.94	$ 0.38	$ -	$ 23.52	$ 3.04	$ 26.56	
	Install 12" clean gravel at slab section and	2.6	CY	$ 25.00	$ 5.75	$ 2.25	$ 63.89	$ 14.69	$ 5.75	$ 84.33	
	compacted to 98%,	3.0	CY		$ 2.94	$ 0.38	$ -	$ 8.82	$ 1.14	$ 9.96	
	Bituminous-stabilized base course Prime seal and., cut back asphalt,	4.0	GA	$ 7.10	$ 0.10	$ 0.15	$ 28.40	$ 0.40	$ 0.60	$ 29.40	
	Install 2" Asphalt wearing surface,	6.7	SY	$ 7.30	$ 18.55	$ 1.69	$ 48.67	$ 123.67	$ 11.27	$ 183.60	
	Seal coating wearing surface	8.0	LS	$ 2.31	$ 0.12	$ 0.18	$ 18.48	$ 0.96	$ 1.44	$ 20.88	
	Allowance of stripping repair,	1.0	LS			$ 56.25	$ -	$ -	$ 56.25	$ 56.25	
	Clean Up	4.0	HR		$ 20.83		$ -	$ 83.32	$ -	$ 83.32	
	Install New Oil And Gas Interceptor,	1.0	EA	$ 11,500.00	$ 375.00		$ 11,500.00	$ 375.00	$ -	$ 11,875.00	
	Remove existing fill 12'x8'x12 deep.	49.1	CY		$ 2.35	$ 2.57	$ -	$ 115.31	$ 126.10	$ 241.41	
	Load debris into truck, 15% of	1.0	LS			$ 36.21	$ -	$ -	$ 36.21	$ 36.21	
	Haul away with 22 CY trucks,	3.0	EA			$ 105.00	$ -	$ -	$ 315.00	$ 315.00	
	Back fill with clean gravel around interceptor,	24.5	LCY	$ 25.00	$ 5.75	$ 2.25	$ 613.33	$ 141.07	$ 55.20	$ 809.60	
	Compact fill to 98% around Sewer pipes,	24.5	CY		$ 2.94	$ 0.38		$ 72.13	$ 9.32	$ 81.45	
	Bituminous-stabilized base course Prime seal and., cut back asphalt,	2.0	GA	$ 7.10	$ 0.10	$ 0.15	$ 14.20	$ 0.20	$ 0.30	$ 14.70	
	Install 2" Asphalt wearing surface,	8.0	SY	$ 7.30	$ 18.55	$ 1.69	$ 58.40	$ 148.40	$ 13.52	$ 220.32	
	Seal coating wearing surface	8.0	LS	$ 2.31	$ 0.12	$ 0.18	$ 18.48	$ 0.96	$ 1.44	$ 20.88	
	Allowance of stripping repair,	1.0	LS			$ 56.25	$ -	$ -	$ 56.25	$ 56.25	
							$ 40,238.03	$ 9,556.54	$ 3,812.27	$ 53,606.85	
							$ 2,816.66	$ 3,822.62		$ 6,639.28	
										$ 15,061.53	
										$ 75,308.00	$ 75,308.00

CODE		QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	3.- CONCRETE										
	Pour trench inside Hanger floor:										
	Drill for No.6 Rebar 12" o.c. at each side of trench	660.0	EA	$ 0.22	$ 9.50		$ 145.20	$ 6,270.00	$ -	$ 6,415.20	
	Install #6 24" long,	450.0	EA	$ 1.32	$ 3.08		$ 594.00	$ 1,386.00	$ -	$ 1,980.00	
+B392	Dowell cap visual warning only, plastics.	450.0	EA	$ 0.42	$ 0.94		$ 189.00	$ 423.00	$ -	$ 612.00	

"A"

	Lay and tie continuous #5 Rebar with overlap 12" O.C. over and under,	1.3	Tons	$ 760.00	$ 650.00		$ 950.26	$ 812.73	$ -	$ 1,762.99	
	Pour 5,000 PSI pump mix concrete in place,	56.3	CY	$ 102.00	$ 12.25	$ 4.32	$ 5,740.56	$ 689.43	$ 243.13	$ 6,673.12	
	Finish with BULL FLOAT, MANUAL FLOAT & MANUAL STEEL TROWEL finish,	2,160.0	SF		$ 0.71		$ -	$ 1,533.60	$ -	$ 1,533.60	
	2' Conc. Pump Show up, clean out and Pump,	8.0	HR			$ 75.00	$ -	$ -	$ 600.00	$ 600.00	
	Clean out,	4.0	HR		$ 20.83		$ -	$ 83.32	$ -	$ 83.32	
	Applied light water miss for 30 days above green conc. Pour for curing and stress relieve,	240.0	HR	$ 0.50	$ 5.21		$ 120.00	$ 1,250.40	$ -	$ 1,370.40	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 7,739.02	$ 12,448.48	$ 843.13	$ 21,030.63	
	Labor Burden & Taxes						$ 541.73	$ 4,979.39		$ 5,521.12	
	O.H. & Profit									$ 6,637.94	
	SUB TOTAL									$ 33,190.00	$ 33,190.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	3.- CONCRETE										
	[redacted]						$ -	$ -	$ -	$ -	
	New Corridor 165 ramps, @ Door 13,						$ -	$ -	$ -	$ -	
	Saw Cut existing 12" deep conc. w/T&B Rebar,	48.0	LF	$ 0.67	$ 0.97	$ 0.79	$ 32.16	$ 46.56	$ 37.92	$ 116.64	
	Remove Existinmg saw concrete 12" at landing and 8" at ramps,.	2.0	CY		$ 84.00	$ 14.05	$ -	$ 168.00	$ 28.10	$ 196.10	
	Form work 12" High,	30.0	LF	$ 0.59	$ 2.90		$ 17.70	$ 87.00	$ -	$ 104.70	
	Pour conc. 4,000 PSI,	2.0	CY	$ 103.00	$ 18.40	$ 0.68	$ 206.00	$ 36.80	$ 1.36	$ 244.16	
	Fine Broom Finish.	60.0	SF		$ 0.49		$ -	$ 29.40	$ -	$ 29.40	
	Conc. Pump.,	2.0	CY			$ 75.00	$ -	$ -	$ 150.00	$ 150.00	
							$ 255.86	$ 367.76	$ 217.38	$ 841.00	
	[redacted]	87.0	SF								
	Corridor 121 New Ramp at Doors 08 & 09:	98.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 288.20	$ 414.26	$ 244.86	$ 947.32	
	Existing Corridor 122:	44.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 129.40	$ 185.99	$ 109.94	$ 425.33	
	Existing Corridor 122 near Columns 2.1	90.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 264.67	$ 380.44	$ 224.88	$ 869.99	
	New Corridor 161 to existing corridor 121:	104.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 305.84	$ 439.62	$ 259.86	$ 1,005.32	
	New corridor 163 both ends:	173.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 508.76	$ 731.29	$ 432.26	$ 1,672.31	

"B"

	New Corridot 166 and 167:			$ 2.94	$ 4.23	$ 2.50	$ -	$ -	$ -	$ -	
	Door 16	57.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 167.63	$ 240.95	$ 142.42	$ 550.99	
	DOOR 17,	45.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 132.34	$ 190.22	$ 112.44	$ 434.99	
	Door 18,	45.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 132.34	$ 190.22	$ 112.44	$ 434.99	
	New Foam Room,	60.0	SF	$ 2.94	$ 4.23	$ 2.50	$ 176.45	$ 253.63	$ 149.92	$ 579.99	
	Sub Total						$ 2,361.48	$ 3,394.38	$ 2,006.39	$ 7,762.25	
	Labor Burden & Taxes						$ 165.30	$ 1,357.75		$ 1,523.06	
	O.H. & Profit									$ 2,321.33	
	SUB TOTAL									$ 11,606.63	$ 11,606.63

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	4.- MASONRY DEMOLITION:										
	[redacted]						$ -	$ -	$ -	$ -	
[redacted]	Remove existing door & saw cut hallow metal frame from walls	5.0	EA		$ 72.05		$ -	$ 360.25	$ -	$ 360.25	
[redacted]	Patch existing drywall 80 LF,	640.0	SF		$ 1.56		$ -	$ 998.40	$ -	$ 998.40	
[redacted]	Existing gyp bd partition to be demo,	1,200.0	SF		$ 1.56		$ -	$ 1,872.00	$ -	$ 1,872.00	
[redacted]	Existing CMU wall assembly shall braced mechanically cut and removed, H.C. to match borrow of header at door opening, type, **See below for details:**	12.0	EA				$ -	$ -	$ -	$ -	
[redacted]	Sawcut CMU walls & Make new columns Opening 81" high 16" wide for side Door frames	324.0	LF	$ 2.96	$ 13.92		$ 959.04	$ 4,510.08	$ -	$ 5,469.12	
	Drill 4 holes at columns bottom,	96.0	EA	$ 0.22	$ 8.75		$ 21.12	$ 840.00	$ -	$ 861.12	
	Insert No.6 rebar set in epoxy,	96.0	EA	$ 1.32	$ 2.08		$ 126.72	$ 199.68	$ -	$ 326.40	
	Install #5 Rebar 81"long ech,	0.3379	TONS	$ 800.00	$ 935.00		$ 270.35	$ 315.97	$ -	$ 586.31	
	Drill 5/8" thru holes at door header	96.0	EA	$ 0.17	$ 12.27		$ 16.32	$ 1,177.92	$ -	$ 1,194.24	
	Pour a 8"x16"X81"Rough door opening @ side columuns, 2 per door opening,,	6.0	CY	$ 108.00	$ 11.00		$ 648.00	$ 66.00	$ 600.00	$ 1,314.00	
	8'x16"x 84" Long Door Header,	3.0	CY	$ 108.00	$ 11.00		$ 324.00	$ 33.00	$ 300.00	$ 657.00	
	Break CMU face, add cavity walls cover and pour CMU walls solid with 3,000 PSI Pump Mix Concrete,	3.0	CY	$ 108.00	$ 11.00		$ 324.00	$ 33.00	$ -	$ 357.00	
	Form Work,	2,485.0	SFCA	$ 0.72	$ 5.20		$ 1,789.20	$ 12,922.00	$ -	$ 14,711.20	
	Wait to cure at least 14 days & proceed to install a C8x11.5 Channels 7 long,	84.0	LF	$ 7.05	$ 28.00	$ 3.20	$ 592.20	$ 2,352.00	$ 268.80	$ 3,213.00	
	Drill 5/8" thru holes at door header	96.0	EA	$ 1.50	$ 9.14		$ 144.00	$ 877.44	$ -	$ 1,021.44	

"B"

	Install A36 Thru bolts 12" long, washers, lockwashers and nuts in place.	96.0	EA	$ 1.24	$ 1.79		$ 119.04	$ 171.84	$ -	$ 290.88	
	Remove existing CMU walls under door header and dress slab prior to door installation,	278.0	SF	$ -	$ 0.58		$ -	$ 161.24	$ -	$ 161.24	
	Reinforced steel wall assembly: Prior to demolition steel tubing shall be welded to existing structure as required at both sides of proposed opening. GC to submit signed and sealed shop drawings to reviews, Type,	2.0	EA	$ 44.52	$ 36.96	$ 1,200.00	$ 89.04	$ 73.92	$ 2,400.00	$ 2,562.96	
	Existing concrete ramps to be demo. **See Division 3 for cost breakdown.**	1.0	LS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
	Existing ramp handrail to be removed typ. **See Division 5 for Replacments.**	92.0	LF		$ 5.10		$ -	$ 469.20	$ -	$ 469.20	
	Open existing drywall partition. Install side framing and header for door opening installation, (1, 2 and 3)	116.0	LF	$ 0.28	$ 1.36		$ 32.48	$ 157.76		$ 190.24	
	ROOMS 185 Remove CMU interior and exterior Walls and two	1,328.0	SF		$ 0.58		$ -	$ 770.24	$ -	$ 770.24	
	30 & 60x70 Hallow Metal Frame and Door	1.0	LS		$ 72.05		$ -	$ 72.05	$ -	$ 72.05	
	Carry debris and clean up,	160.0	Hr		$ 20.40		$ -	$ 3,264.00	$ -	$ 3,264.00	
				$ -			$ -	$ -	$ -	$ -	
							$ 5,455.51	$ 31,697.99	$ 3,568.80	$ 40,722.29	
							$ 381.89	$ 12,679.19		$ 13,061.08	
										$ 13,445.84	
										$ 67,230.00	$ 67,230.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	4.- MASONRY PARTITIONS:										
	Install type **WT7 2 Hr. Fire Rated** CMU Walls Rooms 184 &186,						$ -	$ -	$ -	$ -	
	Drill slab for #6 Rebar Dowells,	40.0	EA	$ 0.15	$ 8.30		$ 6.00	$ 332.00	$ -	$ 338.00	
	Set #6 Dowell 48" high in epoxy, 4FT O.C.,	40.0	LBS	$ 1.76	$ 3.11		$ 70.40	$ 124.40	$ -	$ 194.80	
	Drill Overhead Conc. Beam for #6 Dowells,	40.0	EA	$ 0.15	$ 11.62		$ 6.00	$ 464.80	$ -	$ 470.80	
	Set #6 Dowell 48" high in epoxy, 4 FT O.C,	40.0	LBS	$ 1.76	$ 4.35		$ 70.40	$ 174.16	$ -	$ 244.56	
	Lay 8x8x16 CMU units with	1,120.0	SF	$ 3.67	$ 4.28		$ 4,110.40	$ 4,793.60	$ -	$ 8,904.00	
	Horizontal reinforcement 2 course high and						$ -	$ -	$ -	$ -	
	3/8' concaved tooled horizontal joints,										

"B"

	Masonry anchors, galv,, corrugated 16 Gauge, 2" bend, 8"x2",	48.0	EA	$ 1.48	$ 0.32		$ 71.04	$ 15.36	$ -	$ 86.40	
	Add loose full at all CMU cavities, sand filled,,	1,120.0	SF	$ 0.32	$ 0.25		$ 352.80	$ 280.00	$ -	$ 632.80	
	Install **WT8** Solid grouted CMU Partition:						$ -	$ -	$ -	$ -	
	New Exit 202 - 4 Hours Solid CMU Walls fully grouted,	242.0	SF	$ 9.14	$ 23.93		$ 2,210.67	$ 5,792.03	$ -	$ 8,002.70	
	Add Fully grouted Cell to this CMU partion,	242.0	CF	$ 1.10	$ 1.77	$ 0.19	$ 266.20	$ 428.34	$ 45.98	$ 740.52	
	Scaffolding rental for 8 weeks	1.0	LS			$ 3,200.00	$ -	$ -	$ 3,200.00	$ 3,200.00	
	New CMU Partition to two hours rating by applying 3/4" one coat of stucco both face of partition walls **EW7 and EW8.**	249.0	SY	$ 3.54	$ 8.00	$ 0.76	$ 881.42	$ 1,991.91	$ 189.23	$ 3,062.56	
	Rework existing CMU Partition to two hours rating by applying 3/4" one coat of stucco both face of partition walls **EWT7.**	27.0	SY	$ 3.54	$ 8.00	$ 0.76	$ 95.54	$ 215.91	$ 20.51	$ 331.96	
	Room 185 New Storage Foam Room,	1,584.0	SF				$ -	$ -	$ -	$ -	
	182 Abandon freight elevator by setting wall, Rooms 184 and 186,	2,560.0	SF				$ -	$ -	$ -	$ -	
	Corridor 196 Column Line 17,	1,331.0	SF				$ -	$ -	$ -	$ -	
	Column line 17 bet. Rooms 178 and 172,	616.0	SF				$ -	$ -	$ -	$ -	
	Corridor 196 Columns line 17,	1,496.0	SF				$ -	$ -	$ -	$ -	
	Room 178 Columns line 17,	572.0	SF								
	Corridor 198 Columns line J,	1,529.0	SF								
	Column Line 11.4 from F to S, Room 148, Corridor 200,	2,266.0	SF				$ -	$ -	$ -	$ -	
	Corridor 199 columns line J, bet 10.8 & 11.4,	363.0	SF				$ -	$ -	$ -	$ -	
	Corridor 153 bet columns 9.3 to 11.4,	1,232.0	SF				$ -	$ -	$ -	$ -	
	Corridor 156 bet columns 9.3 to 11.4, two walls,	1,903.0	SF				$ -	$ -	$ -	$ -	
	Room 157 and 158 New Foam Room	1,254.0	SF				$ -	$ -	$ -	$ -	
	EWT8	957.0	SF				$ -	$ -	$ -	$ -	
	Corridor 160 bet columns 11.4 to 10.1,	737.0	SF				$ -	$ -	$ -	$ -	
	ET8 new Foam Storage Room	704.0	SF				$ -	$ -	$ -	$ -	
	New Exit 202 - 4 Hours Solid CMU Walls fully grouted,	242.0	SF				$ -	$ -	$ -	$ -	
	Total surface amount of stucco and paint,	19,346.0	SF				$ -	$ -	$ -	$ -	
		2,149.6	sy	$ 3.54	$ 8.00	$ 0.76	$ 7,609.43	$ 17,196.44	$ 1,633.66	$ 26,439.53	
	Hoisting bring CMU material to location and clean up,	320.0	HR		$ 20.80		$ -	$ 6,656.00	$ -	$ 6,656.00	
	Sub Total						$ 15,750.30	$ 38,464.95	$ 5,089.39	$ 59,304.64	
	Labor Burden & Taxes						$ 1,102.52	$ 15,385.98		$ 16,488.50	
	O.H. & Profit									$ 18,948.29	
	SUB TOTAL									$ 94,742.00	$ 94,742.00

"C"

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	05.- 52 13 RAILINGS, PIPE:										
	Aluminum pipe 1-1/2" & Picket railing, double top rail, pickets @ 4-1/2" OC						$ -	$ -	$ -	$ -	
	36" High, straight & Sloped,	96.0	LF	$ 93.00	$ 18.75		$ 8,928.00	$ 1,800.00	$ -	$ 10,728.00	
	Single wall mounted 1-1/2" rail system,	42.0	LF	$ 17.95	$ 7.10	$ 0.69	$ 753.90	$ 298.20	$ 28.98	$ 1,081.08	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 9,681.90	$ 2,098.20	$ 28.98	$ 11,809.08	
	Labor Burden & Taxes						$ 677.73	$ 839.28		$ 1,517.01	
	O.H. & Profit									$ 3,331.52	
	SUB TOTAL									$ 16,658.00	$ 16,658.00

"B"

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL
	8.- DOORS & WINDOWS									
	[redacted]						$ -	$ -	$ -	$ -
	3070 Hallow Metal 18 Gauge Doors,	21.0	EA	$ 395.00	$ 41.50		$ 8,295.00	$ 871.50	$ -	$ 9,166.50
	3070 Hallow Metal Frame 16 Gauge,	21.0	EA	$ 149.00	$ 41.50		$ 3,129.00	$ 871.50	$ -	$ 4,000.50
	6070 Hallow Metal 18 Gauge Doors,	2.0	EA	$ 395.00	$ 41.50		$ 790.00	$ 83.00	$ -	$ 873.00
	3070 Hallow Metal Frame 16 Gauge,	2.0	EA	$ 171.00	$ 47.50		$ 342.00	$ 95.00	$ -	$ 437.00
	Solid Grout all 3070 door frames,	21.0	EA	$ 10.65	$ 220.00	$ 2.21	$ 223.65	$ 4,620.00	$ 46.41	$ 4,890.06
	Solid Grout all 6070door frames,	2.0	EA	$ 14.90	$ 26.50	$ 2.94	$ 29.80	$ 53.00	$ 5.88	$ 88.68
	Side, light 12x68, half lite, low e,	7.0	EA	$ 92.00			$ 644.00	$ -	$ -	$ 644.00
	Full Mortise, aver, freq, steel base, USP, 4-1/2"x4-1/2", Non removal pin, add security item,	35.0	Pairs	$ 29.97			$ 1,048.95	$ -	$ -	$ 1,048.95
	Closers,	25.0	EA	$ 155.00	$ 51.00		$ 3,875.00	$ 1,275.00	$ -	$ 5,150.00

	Panic Hardware,	3.0	EA	$ 540.00	$ 66.50		$ 1,620.00	$ 199.50	$ -	$ 1,819.50	
	Level Handle door passage lockset,	22.0	EA	$ 187.00	$ 37.00		$ 4,114.00	$ 814.00	$ -	$ 4,928.00	
	Astragal	2.0	EA	$ 17.90	$ 3.69		$ 35.80	$ 7.38	$ -	$ 43.18	
	Alum door saddle 3 ft wide,	21.0	EA	$ 12.48	$ 20.85		$ 262.08	$ 437.85	$ -	$ 699.93	
	Alum door saddle 6 ft wide,	2.0	EA	$ 39.00	$ 27.50		$ 78.00	$ 55.00	$ -	$ 133.00	
	Weather striping,	3.0	EA	$ 44.10	$ 38.85		$ 132.30	$ 116.55	$ -	$ 248.85	
	Sub Total						$ 24,111.40	$ 8,882.50	$ 52.29	$ 33,046.19	
	Labor Burden & Taxes						$ 1,687.80	$ 3,553.00		$ 5,240.80	
	O.H. & Profit									$ 9,571.75	
	SUB TOTAL									$ 47,859.00	$ 47,859.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	9.- FINISHES FLOOR FINISH										
	[redacted]						$ -	$ -	$ -	$ -	
	Remove existing floor finish from hanger & back shop area floor with shoot pebble procedure,	83,507.0	SF				$ -	$ -	$ -	$ -	
	Provide a moisture test on existing slab and provide result	1.0	LS				$ -	$ -	$ -	$ -	
	Apply Epoxy flooring to hanger and adjacent shop area floor.	83,507.0	SF				$ -	$ -	$ -	$ -	
	Sub Total						$ -	$ -	$ -	$ -	
	Labor Burden & Taxes						$ -	$ -		$ -	
	O.H. & Profit									$ -	
	SUB TOTAL										0

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	9.- FINISHES ACOUSTICAL CEILING GRID AND TILES										
	Suspended Ceilings, complete Including standard suspension system						$ -	$ -	$ -	$ -	
	Tegulars 2x4x3/4" tile	6,200.0	SF				$ -	$ -	$ -	$ -	
	For fire rated grid add,	6,220.0	SF				$ -	$ -	$ -	$ -	
	For 9/16" grid add,	6,220.0	SF				$ -	$ -	$ -	$ -	

	recesses light fgixtures add,	6,220.0	SF				$ -	$ -	$ -	$ -	
	For Rooms under 500 SF add 25%,	3,592.0	SF				$ -	$ -	$ -	$ -	
	Sub Total						$ -	$ -	$ -	$ -	
	Labor Burden & Taxes						$ -	$ -		$ -	
	O.H. & Profit									$ -	
	SUB TOTAL									[redacted]	0
CODE	**DESCRIPTION**	**QUANTITY**	**Unt.**	**COST**			**MATERIAL**	**LABOR**	**OTHERS**	**TOTAL**	
				MATERIAL	**LABOR**	**OTHERS**					
	9.- FINISHES INTERIOR PAINT										
	Paint interior existing hanger walls,	0.0	SF				$ -	$ -	$ -	$ -	
	Paint rolling hangers doors inside and	0.0	SF				$ -	$ -	$ -	$ -	
	Outside (AIR Side),	0.0	SF				$ -	$ -	$ -	$ -	
	Clean tracks of ROLLING doors and remove all ground cover on tracks,	0.0	LF				$ -	$ -	$ -	$ -	
	[redacted]		LF				$ -	$ -	$ -	$ -	
	8" Dia. Steel Pile,	[redacted]	SF				$ -	$ -	$ -	$ -	
	6" Dia. Steel Pile,		SF				$ -	$ -	$ -	$ -	
	4" Dia. Steel Pile,		SF				$ -	$ -	$ -	$ -	
	3" Dai Steel Pipe		SF				$ -	$ -	$ -	$ -	
	2-1.2" Dia. Steel Pile,		SF				$ -	$ -	$ -	$ -	
	2" Dia. Steel Pile,		SF				$ -	$ -	$ -	$ -	
	1-1/2" Dia. Steel Pile,		SF				$ -	$ -	$ -	$ -	
	1-1/4" Dia. Steel Pile,		SF				$ -	$ -	$ -	$ -	
	1" Dia. Steel Pile,		SF				$ -	$ -	$ -	$ -	
	Total amount of surface to be painted Labor,	26,800.0	SF		$ 0.50		$ -	$ 13,400.00	$ -	$ 13,400.00	
	Painted one coat primer,	39.0	GA	$20			$ 780.00	$ -	$ -	$ 780.00	
	Paint One Coat red Enamel,,	32.0	GA	$22			$ 704.00	$ -	$ -	$ 704.00	
	Paint New Drywall Fire Corridor,	13,415.0	SF	$ 0.28	$ 0.50		$ 3,756.20	$ 6,640.43	$ -	$ 10,396.63	
	Paint Hallow metal door and frame,	25.0	EA	$ 3.78	$ 29.00		$ 94.50	$ 725.00	$ -	$ 819.50	
	Rental 120Ft reach 8xs12 platform month rental, 2 per month,	6.0	EA			$ 1,800.00	$ -	$ -	$ 10,800.00	$ 10,800.00	
	Pressure wash existing structural steel, perimeter walls and conc. Floor,	211,066.0	SF	NIC			$ -	$ -	$ -	$ -	

D "

	Total surface amount of stucco to be paint,	19,346.0	SF	$ 0.28	$ 0.50		$ 5,416.88	$ 9,576.27	$ -	$ 14,993.15	
							$ -	$ -	$ -	$ -	
	Sub Total						$ 10,751.58	$ 30,341.70	$ 10,800.00	$ 51,893.28	
	Labor Burden & Taxes						$ 752.61	$ 12,136.68		$ 12,889.29	
	O.H. & Profit									$ 16,195.64	
	SUB TOTAL									$ 80,979.00	$ 80,979.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	9.- FINISHES										
	[redacted]						$ -	$ -	$ -	$ -	
	Remove existing chain link fence	50.0	LF		$ 1.23		$ -	$ 61.50	$ -	$ 61.50	
	Patch existing conc.	6.0	EA			$ 25.00	$ -	$ -	$ 150.00	$ 150.00	
	New Partition,	980.0	SF	$ 0.88	$ 2.28		$ 862.40	$ 2,234.40	$ -	$ 3,096.80	
	Existing partition,	0.0	SF	$ -	$ -		$ -	$ -		$ -	
	New partition,	3,610.0	SF	$ 0.88	$ 2.28		$ 3,176.80	$ 8,230.80	$ -	$ 11,407.60	
	New Partition,	7,390.0	SF	$ 0.88	$ 2.28		$ 6,503.20	$ 16,849.20	$ -	$ 23,352.40	
	Install Ceiling thru at Fire Corridor 2 layers drywall,	1,424.4	SF	$ 0.88	$ 2.28		$ 1,253.47	$ 3,247.63	$ -	$ 4,501.10	
	Install batt insulation at new partition walls	6,625.0	SF	$ 0.43	$ 0.21		$ 2,848.75	$ 1,391.25	$ -	$ 4,240.00	
	Corner bead Installation and	450.0	LF	$ 0.23	$ 1.11		$ 101.25	$ 499.50	$ -	$ 600.75	
	Finish	450.0	LF	$ 0.21	$ 0.53		$ 94.50	$ 238.50	$ -	$ 333.00	
	Sub Total						$ 14,840.37	$ 32,752.78	$ 150.00	$ 47,743.15	
	Labor Burden & Taxes						$ 1,038.83	$ 13,101.11		$ 14,139.94	
	O.H. & Profit									$ 15,470.77	
	SUB TOTAL									$ 77,354.00	$ 77,354.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	9.- FINISHES										
	[redacted]						$ -	$ -	$ -	$ -	
	12" wide pre-cast concrete tiles set in mud set,	60.0	LF	$ 22.00	$ 3.50		$ 1,320.00	$ 210.00	$ -	$ 1,530.00	

							$ -	$ -	$ -	$ -	
	Sub Total						$ 1,320.00	$ 210.00	$ -	$ 1,530.00	
	Labor Burden & Taxes						$ -	$ -		$ -	
	O.H. & Profit									$ -	
	SUB TOTAL									$ 1,530.00	$ 1,530.00

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	15.- MECHANICAL -OVERHEAD SPRINKLER AND FOAM SYSTEM ALLOWANCE										
	Weat pipe overhead srpinklee system	1.0	LS			525,000.00	$ -	$ -	$ 525,000.00	$ 525,000.00	
	Faom SYStem	1.0	LS			325,000.00	$ -	$ -	$ 325,000.00	$ 325,000.00	
							$ -	$ -	$ -	$ -	
							$ -	$ -	$ -	$ -	
	Sub Total						$ -	$ -	$ 850,000.00	$ 850,000.00	
	Labor Burden & Taxes						$ -	$ -		$ -	
	O.H. & Profit									$ -	
	SUB TOTAL									$ 850,000.00	$ 850,000.00

"E"

CODE	DESCRIPTION	QUANTITY	Unt.	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	16 - FIRE ALARM SYSTEM										
	Provide Seal Engineer Shop drawings by Honeywell sealed and ready for permitting,	1.0	LS			200,000.00				$ 200,000.00	
	Provide all fire alarm devises as shown on drawings to provide complete fire projection and call back to monitoring unit at central station.										
										$ 200,000.00	
	Labor Burden & Taxes						#REF!	#REF!		#REF!	
	O.H. & Profit										
	SUB TOTAL									$ 200,000.00	$ 200,000.00

CODE	DESCRIPTION	QUANTITY	UNIT	COST MATERIAL	COST LABOR	COST OTHERS	MATERIAL	LABOR	OTHERS	TOTAL	
	16.- ELECTRICAL										
	[redacted]						$ -	$ -	$ -	$ -	
	Demo and relocate power devises (switch, receptacle, light fixtures, exit sign, emergency etc,	1.0	LS				$ -	$ -	$ 261,892.00	$ 261,892.00	
	Relocated and replace Fire Alarm,						$ -	$ -	$ -	$ -	
	New Light fixtures,						$ -	$ -	$ -	$ -	
	Upgrade Fire Alarm Systems						$ -	$ -	$ -	$ -	
	Note: Fire Alarm devises and controllers are not part of this cost estimate. Those will be handled thru Honeywell Fire Alarm Systems,						$ -	$ -	$ -	$ -	
	Sub Total						$ -	$ -	$ 261,892.00	$ 261,892.00	
	Labor Burden & Taxes						$ -	$ -		$ -	
	O.H. & Profit									$ -	
	SUB TOTAL									[redacted]	$ 261,892.00
											$ 1,893,903.63
	[redacted]	40%				**Sub Total**			[redacted]		$ 1,893,903.63
	[redacted]	7%				**Labor Burden and Taxes**			[redacted]		
	[redacted]	25%				**O.H. & Profit**			[redacted]		
	[redacted]	10%				**Contingency Fee**			[redacted]		$ 189,390.36
	[redacted]	5.5%				**TGSV Fee**			[redacted]		$ 114,581.17
	GRAND TOTAL							[redacted]			$ 2,197,875.17