

# Engineering Composite Rate Calculation

Customer: \_\_\_\_\_

Project Title: \_\_\_\_\_

Location: \_\_\_\_\_

Class	ST Rate	OT Rate	% of Total	ST Rate Composite	OT Rate Composite	Budgeted Hours	Hrs / Wk	Adjusted Composite Rate
<b>ENGINEERING</b>								
Process Engineering			100%	103.20	103.20	0	45	\$103.20
A-20 Royce Purvis	115.00	115.00	0%					
A-22 Mike Kopplin	120.00	120.00	60%					
A-11 Sean Trotter	78.00	78.00	40%					
Civil Engineering			100%	100.00	100.00	0	45	\$100.00
A-16 David Campbell	100.00	100.00	100%					
A- xxxxxx	0.00	0.00	0%					
Mechanical Engineer			100%	112.50	112.50	0	45	\$112.50
A-11 Justin Crump	78.00	78.00	0%					
A-20 Royce Purvis	115.00	115.00	50%					
A-19 Mark Helferich	110.00	110.00	50%					
A-19 Leonard Barr	110.00	110.00	0%					
A-16 Joe Casey	100.00	100.00	0%					
Electrical Engineer			100%	115.00	115.00	0	45	\$115.00
A-20 John Shefchik	115.00	115.00	100%					
A-13 Randy Lee	88.50	88.50	0%					
A-16 Scott Everett	100.00	100.00	0%					
A- xxxxxx	0.00	0.00	0%					
Instrument Engineer			100%	110.00	110.00	0	45	\$110.00
A-13 Randall Lee	88.50	88.50	0%					
A-16 Darryl Mote	100.00	100.00	0%					
A-19 Jon Nichols	110.00	110.00	100%					
A- xxxxxx	0.00	0.00	0%					
Control Systems Engineer			100%	100.00	100.00	0	45	\$100.00
A-20 John Shefchik	115.00	115.00	0%					
A-13 Randy Lee	88.50	88.50	0%					
A-16 Darryl Mote	100.00	100.00	50%					
A-16 Mike Morris	100.00	100.00	50%					
A- xxxxxx	0.00	0.00	0%					
<b>Engineering Totals</b>				<b>0.00</b>	<b>0.00</b>	<b>0</b>		<b>\$0.00</b>

<b>DESIGN</b>								
PFD, P&ID Design			100%	59.20	79.45	0	45	\$61.45
A-6	56.00	79.00	75%					
A-5	48.00	68.00	0%					
A-5	48.00	68.00	15%					
A-7	63.00	89.00	0%					
A-7	63.00	89.00	0%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					

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A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-17	100.00	100.00	10%					
A-10	89.00	125.00	0%					
A-7	63.00	89.00	0%					
<b>Civil Design</b>			<b>100%</b>	<b>89.00</b>	<b>125.00</b>	<b>0</b>	<b>45</b>	<b>\$93.00</b>
A-6	56.00	79.00	0%					
A-5	48.00	68.00	0%					
A-5	48.00	68.00	0%					
A-7	63.00	89.00	0%					
A-7	63.00	89.00	0%					
A-10	89.00	125.00	100%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-17	100.00	100.00	0%					
A-10	89.00	125.00	0%					
A-7	63.00	89.00	0%					

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Location: \_\_\_\_\_

Class	ST Rate	OT Rate	% of Total	ST Rate Composite	OT Rate Composite	Budgeted Hours	Hrs / Wk	Adjusted Composite Rate
<b>Mech/Piping Design</b>			<b>100%</b>	<b>89.00</b>	<b>125.00</b>	<b>0</b>	<b>45</b>	<b>\$93.00</b>
A-6	56.00	79.00	0%					
A-5	48.00	68.00	0%					
A-5	48.00	68.00	0%					
A-7	63.00	89.00	0%					
A-7	63.00	89.00	0%					
A-10	89.00	125.00	100%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-17	100.00	100.00	0%					
A-10	89.00	125.00	0%					
A-7	63.00	89.00	0%					
<b>I&amp;E Design</b>			<b>100%</b>	<b>78.25</b>	<b>103.85</b>	<b>0</b>	<b>45</b>	<b>\$81.09</b>
A-4	40.00	56.00	10%					
A-6	56.00	79.00	0%					
A-6	56.00	79.00	0%					
A-7	63.00	89.00	0%					
A-7	63.00	89.00	0%					
A-9	79.00	111.00	75%					
A-10	89.00	125.00	0%					
A-17	100.00	100.00	15%					
A-10	89.00	125.00	0%					
A-10	89.00	125.00	0%					
A-15	95.00	95.00	0%					
A-9	79.00	111.00	0%					
<b>Design Totals</b>				<b>0.00</b>	<b>0.00</b>	<b>0</b>		<b>\$0.00</b>
<b>ENGINEERING &amp; DESIGN TOTALS</b>				<b>0.00</b>	<b>0.00</b>	<b>0</b>		<b>0.00</b>

<b>PROJECT ADMINISTRATION</b>								
<b>Project Manager</b>			<b>100%</b>	<b>122.00</b>	<b>122.00</b>	<b>0</b>	<b>45</b>	<b>\$122.00</b>
A-15	95.00	95.00	0%					
A-21	120.00	120.00	80%					
A-21	120.00	120.00	0%					
A-21	120.00	120.00	0%					
A-23	130.00	130.00	20%					
A-14	90.00	90.00	0%					
<b>Project Engineer</b>			<b>100%</b>	<b>95.00</b>	<b>95.00</b>	<b>0</b>	<b>45</b>	<b>\$95.00</b>
A-15	95.00	95.00	100%					
A-14	90.00	90.00	0%					

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Location: \_\_\_\_\_

Class	ST Rate	OT Rate	% of Total	ST Rate Composite	OT Rate Composite	Budgeted Hours	Hrs / Wk	Adjusted Composite Rate
<b>Purchasing / Expediting</b>								
			100%	62.20	78.00	0	45	<b>\$63.96</b>
B-3	38.00	54.00	0%					
B-5	46.00	65.00	20%					
B-6	50.00	70.00	60%					
B-17	115.00	115.00	20%					
B-2	34.00	48.00	0%					
<b>Secretarial / Clerical</b>								
			100%	33.50	47.30	0	45	<b>\$35.03</b>
B-1	29.00	41.00	10%					
B-2	34.00	48.00	70%					
B-6	50.00	70.00	0%					
B-2	34.00	48.00	20%					
<b>Project/Document Controls</b>								
			100%	59.60	67.00	0	45	<b>\$60.42</b>
B-1	29.00	41.00	10%					
B-2	34.00	48.00	10%					
B-6	50.00	70.00	10%					
B-17	115.00	115.00	10%					
B-2	34.00	48.00	20%					
B-12	75.00	75.00	40%					
<b>Project Execution / Administration Totals</b>				<b>0.00</b>	<b>0.00</b>	<b>0</b>		<b>#DIV/0!</b>
<b>PROJECT TOTALS</b>				<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>0</b>		<b>#DIV/0!</b>

**PROJECT RATE SHEET**

**EPC Rates Dated 1/1/11**

**1.0 REIMBURSABLE RATES**

Class	Description	ST	OT
A-		0.00	0.00
A-1	Entry Draftsman/CADD	28.50	40.00
A-2	Senior Draftsman	31.50	45.00
A-3	CADD Operator	34.50	49.00
A-4	Senior CADD Operator	40.00	56.00
A-5	Staff CADD Operator	48.00	68.00
A-6	Designer	56.00	79.00
A-7	Senior Designer	63.00	89.00
A-8	Staff Designer	71.00	100.00
A-9	Principal Designer	79.00	111.00
A-10	Project Design Coordinator	89.00	125.00
A-11	Discipline Engineer	78.00	78.00
A-12	Technical Specialist	85.50	85.50
A-13	Sr. Engineer/Tech Specialist	88.50	88.50
A-14	Project Engineer	90.00	90.00
A-15	Senior Project Engineer	95.00	95.00
A-16	Staff Engineer/Tech Specialist	100.00	100.00
A-17	Design Group Supervisor	100.00	100.00
A-18	Project Manager	107.00	107.00
A-19	Principal Discipline Engineer	110.00	110.00
A-20	Eng'r Department Manager	115.00	115.00
A-21	Senior Project Manager	120.00	120.00
A-22	Principal Process Engineer	120.00	120.00
A-23	Project Sponsor	130.00	130.00
B-		0.00	0.00
B-1	Engineering Clerk	29.00	41.00
B-2	Engineering Secretary	34.00	48.00
B-3	Purchasing/ Proj Ctrls Assistant	38.00	54.00
B-4	Purchasing/ Expediting Agent	43.00	61.00
B-5	Sr. Purchasing/ Expediting Ager	46.00	65.00
B-6	Lead Purchasing/ Exped. Agent	50.00	70.00
B-7	Shop Inspector	53.00	75.00
B-8	Safety Inspector	65.00	91.00
B-9	Safety Supervisor	80.00	112.00
B-10	Construction QAQC Inspector	75.00	105.00
B-11	Project Controls Engineer	65.00	65.00
B-12	Sr. Project Controls Engineer	75.00	75.00
B-13	Lead Project Controls Engineer	85.00	85.00
B-14	Scheduler	95.00	95.00
B-15	Senior Scheduler	110.00	110.00
B-16	Lead Scheduler	115.00	115.00
B-17	Project Ctrls/ Purchasing Mgr	115.00	115.00

**2.0 OTHER PROJECT RELATED COSTS**

	Rate	Unit
		Office
Other Direct Costs (ODC)	10.00	/ mh
Travel Expenses	10	%
Mileage Allowance	0.55	/ mi
3rd Party Services	10	%
<u>Other Items at Cost Plus</u>	10	%
Computer Software Rental		
Long Distance Telephone Calls		
Special Mailing, Packaging, Handling		
Reproduction by Print Shops		
Material for Job Books		
Travel Expenses for Client Authorized Trips		

# Change Order Log

Job #: \_\_\_\_\_ Client: \_\_\_\_\_

Project: \_\_\_\_\_

C.O.#	C.O. Description	Schedule Impact	Date Submitted	Change Order Breakdown								Total	C.O. Status		Comments
				Engineering				Construction					*	Date	
				Hours	Labor	Material	Subcontract	Hours	Labor	Material	Subcontract				
	Original Project Budget			0.0	\$0	\$0	\$0	0.0	\$0	\$0	\$0	\$0			
															* P = Pending, R = Rejected, A = Approved
1		----		0.0	\$0	\$0	\$0	0.0	\$0	\$0	\$0	\$0	P		
2		----										\$0	R		
3		----										\$0	A		
4		----										\$0			
5		----										\$0			
6		----										\$0			
7		----										\$0			
8		----										\$0			
9		----										\$0			
10		----										\$0			
11		----										\$0			
12		----										\$0			
13		----										\$0			
14		----										\$0			
15		----										\$0			
16		----										\$0			
17		----										\$0			
18		----										\$0			
19		----										\$0			
20		----										\$0			
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		----										\$0			
		----										\$0			
		----										\$0			
		----										\$0			
		----										\$0			
	Change Orders Pending			0.0	\$0	\$0	\$0	0.0	\$0	\$0	\$0	\$0			
	Change Orders Rejected			0.0	\$0	\$0	\$0	0.0	\$0	\$0	\$0	\$0			
	Change Orders Approved			0.0	\$0	\$0	\$0	0.0	\$0	\$0	\$0	\$0			
	Current Approved Budget			0.0	\$0	\$0	\$0	0.0	\$0	\$0	\$0	\$0			



# MARS SPACE CONSTRUCTION, LLC

3114 Hunters Glen Way, Montgomery, Texas 77356

Phone: 832-317-2872

## CHANGE ORDER REQUEST

Client: \_\_\_\_\_ Client Contact: \_\_\_\_\_ C.O. Number: \_\_\_\_\_  
 Project: \_\_\_\_\_ Contact: \_\_\_\_\_ C.O. Date: \_\_\_\_\_  
 Contract: \_\_\_\_\_ Job #: \_\_\_\_\_ Initiated by: \_\_\_\_\_

Description of Change: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Reason for Change: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Schedule Impact: \_\_\_\_\_  
 \_\_\_\_\_

### Cost Impact

	Hours	Labor	Material	Subcontracts	Totals
Engineering	0	\$0	\$0	\$0	\$0
Construction	0	\$0	\$0	\$0	\$0
Other	0	\$0	\$0	\$0	\$0
Totals	0	\$0	\$0	\$0	\$0

### Overall Project Impact

Total Cost: \$ \_\_\_\_\_ -

Schedule Impact: \_\_\_\_\_ 0 days

### Disposition / Comments

Change Approved

Change Rejected

Work will commence upon receipt of client approval  
 Work to be performed per the terms of original contract unless otherwise stated.

MSC Representative \_\_\_\_\_ Date \_\_\_\_\_

Client Representative \_\_\_\_\_ Date \_\_\_\_\_