



Get in on the Ground Floor of a New Craft Distillery by Chip Tate
that Will Produce America's Finest Spirits at Commercial Scale

INVESTOR DECK - CONFIDENTIAL

Deal Snapshot:

Tate & Co delivers the quality and credibility of the world’s finest craft spirits at mass market volume



- Chip Tate is synonymous with award-winning excellence & innovation throughout the super premium spirits industry
- He’s spent 4 years hand-building unique copper pot stills that deliver better flavors faster – they’re ready to go
- The Company will build out 20K sq. ft of new barrel warehouse and renovate a new 10K sq. ft distillery space

Construction

will take 8-12 months – the distillery is Federally Permitted

5x Faster Production

Our proprietary maturation technology means we can bring shelf ready, finished, fully mature sprits to market 5x faster than anyone else

First Product Hits Shelves

3Q23

Nationwide Distribution Channels

Are in place

We’re in the Highest Margin Category

We’re creating Super Premium spirits the highest growth segment - Craft Whiskey

Proven Record of Big Exits

By Super Premium spirit brands in the same space

Cash Flow Positive Y3



11K

Cases Laid Down

2023



105K

Cases Laid Down

2028

The Hard Part Is Done.

Approximately \$10M has been invested preparing for this day.

We've **acquired the land.**

We've **acquired the equipment.**

We've **built the stills** (\$3M+ and 3 years' worth of labor).

We have **barrels** yard ageing.

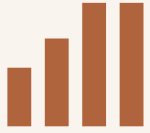
We've **done the engineering.**

We **have the talent.**



The world is waiting for Chip Tate to deliver world-class craft spirits,
and this time we're making enough to deliver to the world.

The Traditional Problem: Craft Spirits Can't Scale



Low Capacity

<5K Cases Per Year



Low Margins

Because Brands Don't Own
Their Means of Production



Maturation Time

For Super Premium Products
Means it's Too Long to Cash Flow

To achieve mass market scale, a craft brand would have to **control its own means of production** and have a **pathway to massive organic awareness**.

ENTER →



Chip's first venture into distilling taught him one important lesson:
You can have the #1 Whiskey in the world, but without scale, there's no road to profitability. Ask any industry insider, volume is the lynch pin to sales growth in this business, if you can't fill the shelves, it doesn't matter if you're #1 in the world.

The US Market for Distilled Spirits 2018

Source:  **DISTILLED SPIRITS COUNCIL**
OF THE UNITED STATES

\$27.5B

37.3%
of Total Alcoholic
Beverage Sales

57.1%

Total Industry Revenue from
High End & Super Premium
33.5% of Total Volume

+10.5% CAGR

Super Premium Categories
+7.5% Volume vs 2017

\$5.4B

Whiskey
+5.9% CAGR

+8.9% CAGR

High End Whiskey Categories
+8% Volume vs 2017

65%

Whiskey's Share of Total US Spirit
Exports 2003-2018

Major Players are **buying up craft whiskey brands** to grow them and fortify their super premium portfolio at a Multiple of ~\$1K/9 Liter-Case in Annual Sales.





Tate & Company's Industrial-Scale Craft Spirits Distillery Will Dominate the Market for Super Premium Spirits



Chip's **Unique Hand-Built Copper Pot Stills** Deliver Award-Winning Flavor Profiles via an Unparalleled Craft Process in **Record Time**



Our Phase 1 Facility and Equipment Will Support Industrial Scale Production of up to **50K Cases per Year**. Our Phase 2 Facility will support **200K Cases per Year**.



Our Super Premium Portfolio of Craft Spirits is Based Around **Whiskeys** with an MSRP of \$48-\$110/bottle



Copper Pot Still Maker | Head Distiller and controlling shareholder of Tate & Company | Founder of Balcones Distillery, Waco, TX

A large, dark wooden barrel with a metal bung, set against a background of a grid of numerous World Whiskies Awards medals. The medals are arranged in rows and columns, featuring various designs, including gold and silver medals, and logos for the World Whiskies Awards and Craft Distillers.



Tate & Co Distillery Campus

- a Green Field Project on 27 Acres in Waco, TX

Tate & Co has invested in the design and engineering of a flagship facility for craft spirit production, barrel storage, corporate HQ and public tours, retail and events.

- **The location is visible and convenient.** Near Waco Regional Airport with separate access for production and public.
- **The project has received a Federal Distillery Permit** and is well advanced in the permitting process with the City of Waco.
- **Contractors have been secured** for design, landscaping, construction and build-out

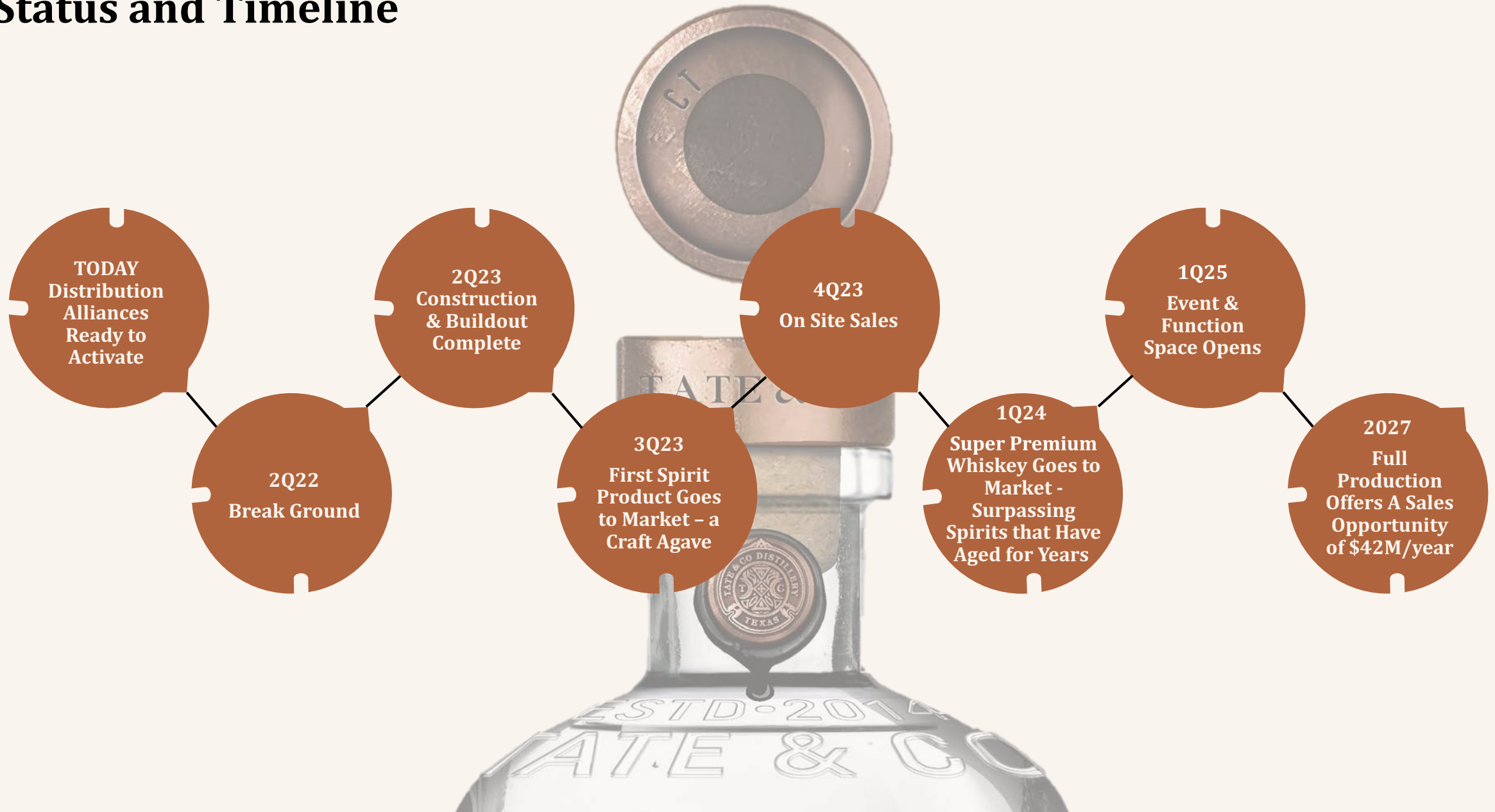




Chip's Hand-Built Copper Pot Stills are Our Secret Sauce

- It took Chip 4 years to make these thick-bottomed direct-fire stills and most of the major custom components of the distillery process - **they're finished and raring to go**
- Chip hand-crafted them with his specific end products in mind
- The column stills offer Chip precision-control and manipulation of heat throughout the distilling process
- The wash stills allow Chip to infuse his spirits with flavor **at the beginning of the process** (our competitors rely on lengthy barrel-flavoring at the end)
- Thanks to these unique stills, we can achieve full flavor profiles that other industrial (and craft) distilleries simply can't
- These stills – that took 4 years to complete - are **the key to our ability to mature our spirits 5x faster** than competitors
- **NO ONE ELSE MAKES WHISKEY THIS WAY.**
- If competitors want to try, it will take 3+ years to get where we are now – but only once they master Chip's unique engineering skills and techniques

Status and Timeline



Core Unit Economics by the Case

(12 x 750ml/25.4 Fl. Oz Bottles)



Single Malt Whiskey



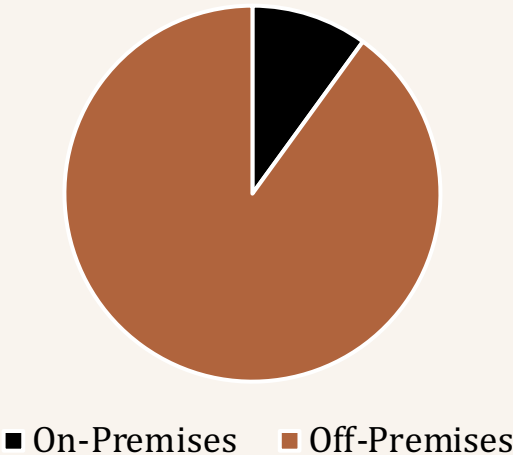
Corn Whiskey



Agave Spirit

Revenue	\$480	\$430	\$430
Cost Of Goods Sold	\$126	\$120	\$120
Gross Margin	74%	72%	72%

Typical Ratio of Sales





Our Best Customers are Nationwide Distributors & Super Premium Customers

Craft Focused Distribution Networks



High End and Super Premium Consumers

- Inclined to respond to boutique, small-batch brand perception
- More likely to respond to personal recommendations
- Big growth segments are women (37% of whiskey consumption) and Millennials

Our Key Marketing Strategies



- Chip Tate is an organic media magnet
- Competitions & Trade Shows
- Industry & Consumer Word of Mouth driven by ambassadors and our distribution networks
- Earned, Owned & Paid Media – print and digital
- Traditional B2B
- www.tatedistillery.com & SEO

Chip's Featured In

DISTILLER™

PLAYBOY

The New York Times

Forbes

The Telegraph



THE WALL STREET JOURNAL

imbibe

WINEENTHUSIAST

The Washington Post



POPULAR MECHANICS

Southern Living

How We Expand



Tate & Company's Leadership Knows How to Drive Long-Term Value through Brilliant Products and Operations

Chip is backed by an executive team that excels at early-stage investment, Real Estate acquisition, construction, and the development and execution of operations and technology.



Chip Tate

President & Head Distiller

- Founder of Balcones Distilling
- Trained under Jim McEwan of Bruichladdich
- Released Texas' first whiskey on the market since prohibition
- Key opinion leader who's regularly invited to speak at industry gatherings



Garry Kyle

Lead Investor

- Founded, built and scaled SYMPLR to a \$570M exit
- Invests in promising companies and helps manage them where needed



Ty Looney

Lead Investor

- Grows of enterprises involved in manufacturing and real estate
- Engaged in \$23M of capital raises as a Partner in Wise Family Office & GT Ventures



Brad Smith

Director of Business Operations

- Leads high-performance teams to devise and execute complex operations across fabrication, construction and food & beverage industries



Jennifer Chin

Chief Marketing Strategist

- Founder of Strategic Wine Solutions
- Thoughtful and strategic press and brand development for artisanal and top tier alcohol brands
- Jennifer's clients are regularly featured in Tier A press like The New York Times and Wine Spectator
- Former strategic management consultant at Cap Gemini America and IBM

Our Goals: Start from a Solid Base. Then Scale It Responsibly, and Don't Overpromise.

\$7.5M

REVENUE
2026

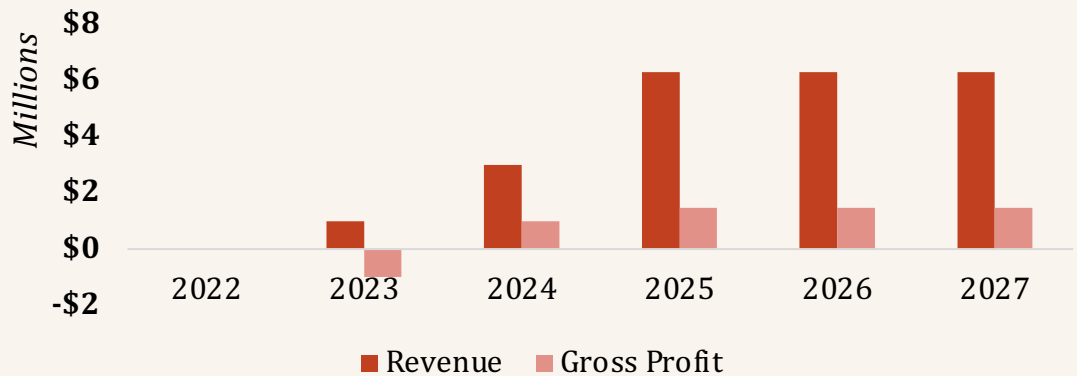
\$2.25M

NET CASH FLOW
2026

15K

CASES SOLD
2026

5-Year Forecast
Phase 1, 15K Cases Only



50K

CASES AT
PHASE 1 CAPACITY

\$9.1M+

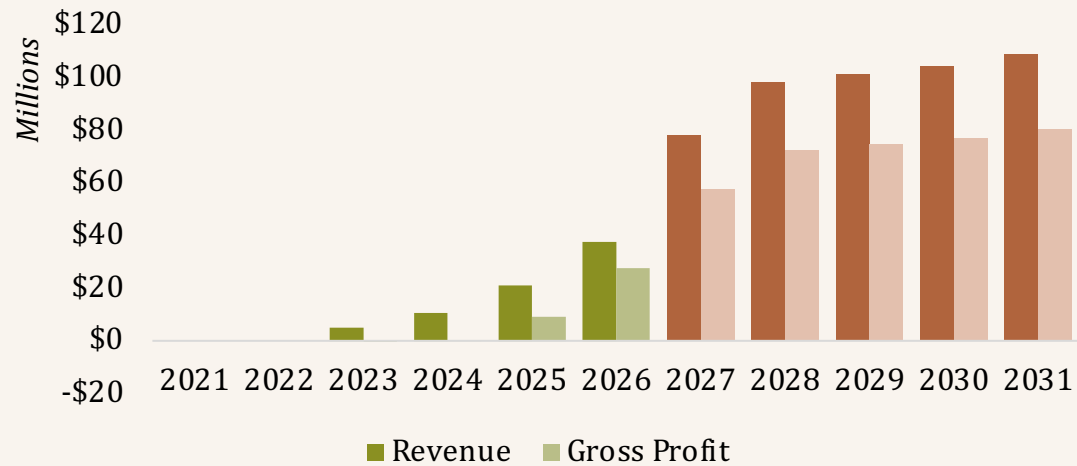
NET CASH FLOW
AT PHASE 1
CAPACITY



200K+

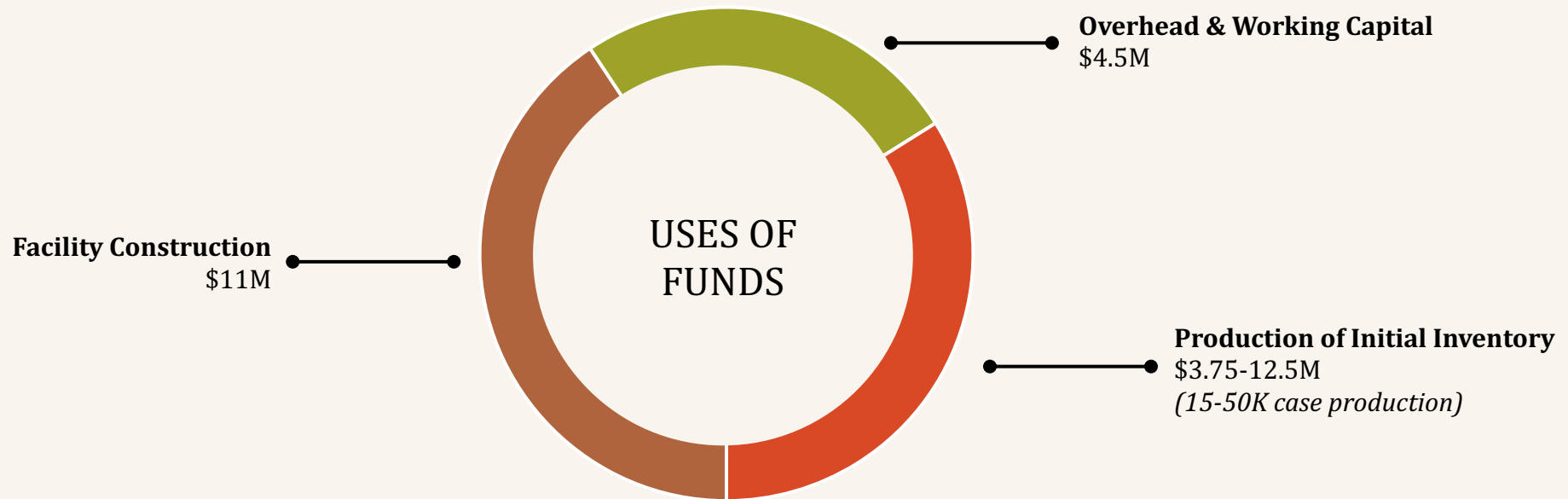
PHASE 2
CAPACITY

10-Year Forecast
Phase 1, 15K-50K to Phase 2, 200K Cases Scaleup



Tate & Co is Raising \$20-30M Total Growth Capital

Tate & Co is most interested to partner with investors with **proven experience growing super premium brands** as well as those with marketing reach. Equity investment will be alongside Chip Tate and several dedicated investors.



Existing Investors include:

Chip Tate | GT Ventures | Phil Gervasi (previous VP of Sales, *Patrón Tequila*)

**Tate & Co Distillery is Chip's Next Masterpiece.
This is Your Invitation to Be a Part of it.**




Contact

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www.tatedistillery.com

A man with a full brown beard and mustache is looking directly at the camera. He is wearing a black leather welding jacket with the Miller logo on the left chest. The background is a blurred workshop with various tools and equipment.

Addendum

Cash Flow Projection – Phase 1, 15K Cases Only

15K Cases Only	2022	2023	2024	2025	2026	2027
Revenue	\$0	\$1,000,000	\$3,000,000	\$7,050,000	\$7,050,000	\$7,050,000
Loan Proceeds	\$1,200,000					
Investor Monies	\$20,000,000					
Total Cash In	\$21,200,000	\$1,000,000	\$3,000,000	\$7,050,000	\$7,050,000	\$7,050,000
New Build	\$11,000,000					
Raw Materials	-	\$1,800,000	\$1,800,000	\$1,800,000	\$1,800,000	\$1,800,000
Overhead	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000
Debt Service	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000
Marketing		\$100,000	\$200,000	\$200,000	\$200,000	\$200,000
Misc.	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Total Cash Out	\$13,300,000	\$4,200,000	\$4,300,000	\$4,300,000	\$4,300,000	\$4,300,000
Net Cash Flow	\$7,900,000	(\$3,200,000)	(\$1,300,000)	\$2,750,000	\$2,750,000	\$2,750,000
Total Cash at End of Year	\$7,900,000	\$4,700,000	\$3,400,000	\$6,150,000	\$8,900,000	\$11,650,000

Cash Flow Projection – Phase 1, 50K Cases Only

15K Cases Only	2022	2023	2024	2025	2026	2027
Revenue	\$0	\$1,000,000	\$5,000,000	\$10,000,000	\$23,500,000	\$23,500,000
Loan Proceeds	\$1,200,000					
Investor Monies	\$30,000,000					
Total Cash In	\$31,200,000	\$1,000,000	\$5,000,000	\$10,000,000	\$23,500,000	\$23,500,000
New Build	\$11,000,000					
Raw Materials	-	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000	\$6,000,000
Overhead	\$1,500,000	\$1,500,000	\$1,500,000	\$2,500,000	\$2,500,000	\$2,500,000
Debt Service	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000
Marketing		\$100,000	\$200,000	\$500,000	\$500,000	\$500,000
Misc.	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
Total Cash Out	\$13,300,000	\$8,400,000	\$8,500,000	\$9,800,000	\$9,800,000	\$9,800,000
Net Cash Flow	\$17,900,000	(\$7,400,000)	(\$3,500,000)	\$200,000	\$13,700,000	\$13,700,000
Total Cash at End of Year	\$17,900,000	\$10,500,000	\$7,000,000	\$7,200,000	\$20,900,000	\$34,600,000

Major M&A Activity in The Super Premium Industry Means Targets are Often Valued at a Multiple of ~\$1K/9 Liter-Case in Annual Sales

FIRESTONE & ROBERTSON
DISTILLING CO.



FORT WORTH, TEXAS (owner of the TX brand)

Sold to Pernod Ricard for an undisclosed sum in August 2019



(NO IN-HOUSE PRODUCTION, BRAND ONLY!)

Sold to Becele, S.A.B. de C.V. (Cuervo) for \$1B+ in June 2017



LOUISVILLE, KENTUCKY

Sold majority stake to Pernod Ricard in June 2019
- barely one year after Rabbit Hole opened the doors to its \$18 million, 55K sq. ft distillery in Louisville



ROCHESTER, NEW YORK

Sold minority stake to Constellation Brands in February 2019



PORTLAND, OREGON

Sold partial stake to Diageo's Distill Ventures Unit in September 2019



KIRBY, WYOMING

Formed strategic partnership with Edrington Group in September 2018



Hood River, Oregon (sourced from Canada)

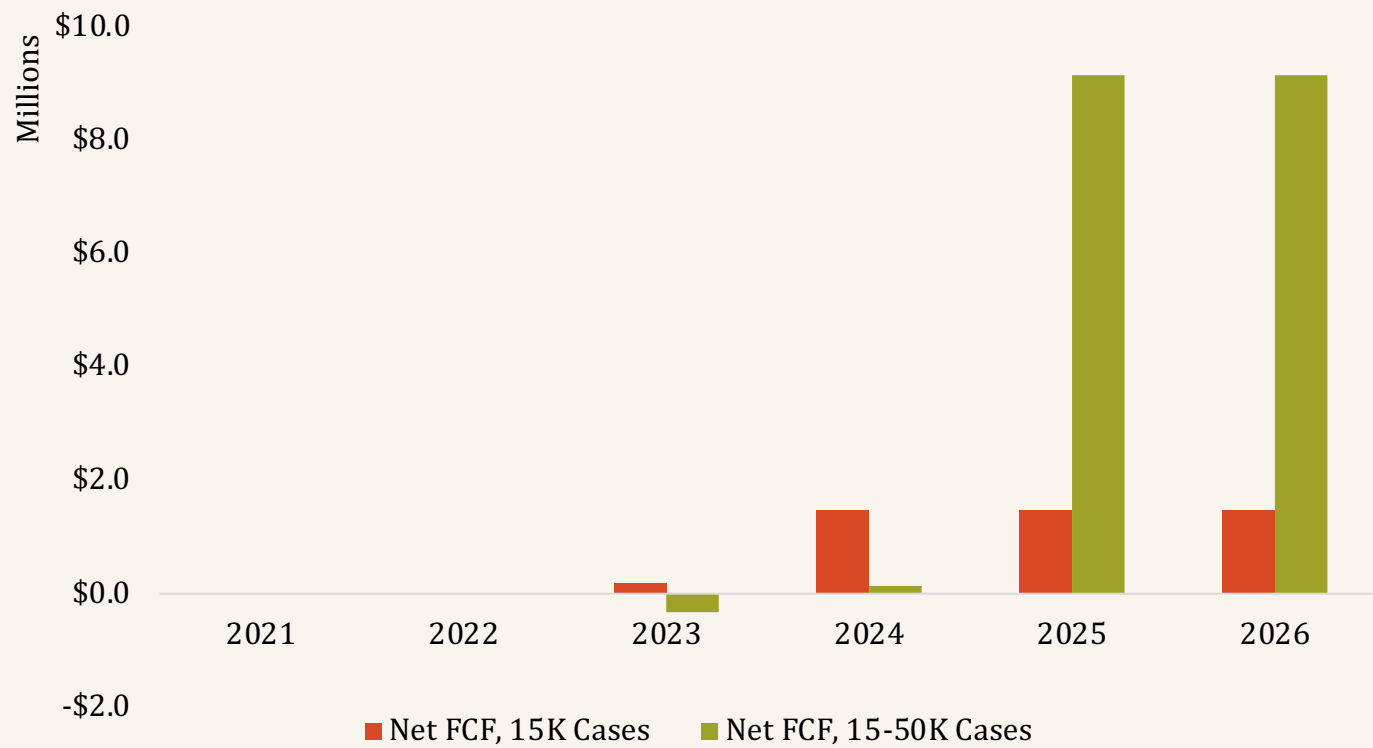
Sold to Becele, S.A.B. de C.V. (Cuervo) in December 2017

Major players are **buying up dozens of craft brands** to grow them and **fortify their super premium portfolio**.



Strong Cash Flow Opens Up Several Exit Options

We're mainly focused on creating a **long term, sustainable brand** generating **substantial free cash flow** for our shareholders, which will give us access to several means of exiting the investment.



Estimated Valuations:

Cases Sold	Industry Multiples		Earnings Multiple
	Low: \$1K / Case	High: \$2K / Case	20x Earnings
15K	\$15M	\$30M	\$30M
50K	\$50M	\$100M	\$191M
100K	\$100M	\$200M	\$499M
150K*	\$150M	\$300M	\$824M
200K*	\$200M	\$400M	\$1.15B

**In order to exceed 100k cases / year production rate, the Company will invest an additional \$5 million in production equipment. The existing facility has been designed to enable capacity increase as a turnkey, modular expansion.*

Private Sale
(Tremendous liquidity potential)

Public Listing

Exit

Recapitalize

Indicative Term Sheet

Indicative Term Sheet	
Offering & Amount	\$20–30,000,000 in Preferred Shares
Pre-Money Valuation	\$35,000,000
Post-Money Valuation	\$55–65,000,000
Shareholding	36–54%
Preferred Return	Preferred shareholders will receive 80% of all future distributions until initial investment is recouped in full plus accrued interest.

Press Highlights



The New York Times

American Single-Malt Whiskeys Serve Notice

The New York Times¹
January 15, 2013

THE humid streets of Waco, Tex., may not have much in common with the misty glens of Scotland, home to some of the world's best malt whiskeys.

Not much, that is, until last month, when a single-malt whiskey from the Balcones Distillery in Waco bested nine others, including storied Scottish names like the Balvenie and the Macallan, in a blind panel of British spirits experts.

It was the first time an American whiskey won the Best in Glass, a five-year-old competition to find the best whiskey released in a given year.



Forbes





The Washington Post

The next big thing in American distilling:
Single malt whiskey

Washington Post¹
January 14, 2017

Now single malts are popping up coast to coast. And some are real beauts. In 2012, the feisty single malt that distiller Chip Tate was making at Balcones Distilling in Texas (he has since parted ways with Balcones to start Tate & Co. Distillery) won "Best in Glass" in a U.K. whisky competition, going head to head against entries from such homegrown stalwarts as Glenmorangie and Johnnie Walker. I've also tasted delicious and varied domestic single malts from St. George's, Westland, Corsair and Stranahan's. And I've barely scratched the surface. [...]

The way single malts express geography — whether in the snowmelt water of the Rockies that Dietrich says contributes to the flavor of Stranahan's, the unusual species of Pacific Northwest oak that Westland uses for aging its delicious Garryana, the intense summer heat that speeds and complicates the aging of Tate's in Texas — is certainly part of the interest. But "we're not doing this for the sake of being local; we're doing it because what's available locally can make world-class whiskey," says Matt Hofmann, master distiller at Westland.

- WHISKY -



Meet the Maverick

• CHIP TATE
BALCONES DISTILLERY, WACO, TEXAS, USA

Founded in 2008, Balcones has built a fearsome reputation as one of the standout distillers in the burgeoning American spirits craft. Chip specializes in whiskeys made from blue corn, a highly unusual cereal and traditionally very hard to distill. (See p. 151 for details of Balcones's single malt offering.)

- F&S -



imbibe

LIQUID CULTURE

The IMBIBE 75

People, places and flavors that will shape the way you drink in 2016.





Southern Living



Tate & Co's Volume, Speed & Agility Provide Major Barriers to Competition

- Chip Tate's whiskies have competed with the best in the world and won
- Chip's Super Premium lines will be ready in <2 years and have been favorably compared against world-class whiskies with decades of aging
- **That means we'll produce winning whiskeys 5x faster than the competition, at much greater volume and with higher profit margins**
- Our economics mean we can do a lot more with a lot less capital – revenue funding further production and responding quickly to market trends and demand
- All our products will be sold under a single brand, all at Super Premium prices – lowering marketing costs and ensuring less diffusion of mindshare

Top Competitors with Ratings (Out of 5★)

CRAFT PRODUCERS ★★★

- The growth of the craft segment floats all boats
- Our production levels, and Chip's award-winning track record put Tate & Co in the top tier of a booming market characterized by media interest, consumer engagement and major producer M&A



MACRO PRODUCERS ★★★

- Control 96% of US Spirits Market
- Well-known brands are typically owned by big companies
- They have brand recognition, large advertising budgets and established shelf space & distribution channels
- But they lack agility and risk falling into race-to-the-bottom bulk product discounting
- When they want to do super premium, they tend to acquire rather than compete



Facility Construction - Detail

- New build of 20k sq. ft barrel warehouse
- Renovation of 10K sq. ft existing structure to become new distillery space
- New build of a 3.1K sq. ft grain handling area
- Acquire and install production equipment and infrastructure

Partners



Design Engineering

Specializes in food and beverage and industrial process facilities. Recent clients include Buffalo Trace Distillery and MadTree Brewing.

Architectural, civil, and structural design and general contracting services



Before

Site development includes demolition of existing structures, heavy duty asphalt paving, concrete, grading, storm water detention pond and storm water piping.

After

The production facility is a 62' x 146' x 30' pre-engineered metal building separated into 3 areas (process, utility and fermentation.)

Progress to Date:

The Company has already committed \$5M in land, raw materials and equipment for building the copper pot stills and other production equipment.

Building Great Stills Takes Years - So Chip Started Years Ago and Has Finished the Job

Complete Process Support Mechanical Systems

Will be installed to support initial operations and future plant expansion.

- Electrical Service
- Steam
- Domestic Water
- Chilled Water
- Compressed Air
- Hot Water Utility

Distillery Equipment

- 2 x 7500-liter Copper Wash Stills
- 2 x 2500-liter Copper Spirit Stills
- 3 x fermentation tanks
- 3 x low wines tanks
- 4 x spirit receiving tanks
- Malt Handling and Grain Storage System
- + all relevant heating systems and associated pumps and piping, controls and safety equipment



Our Initial Line of 7 Products in Order of Planned Release

Agave Reposado

Roasted Corn Whisky

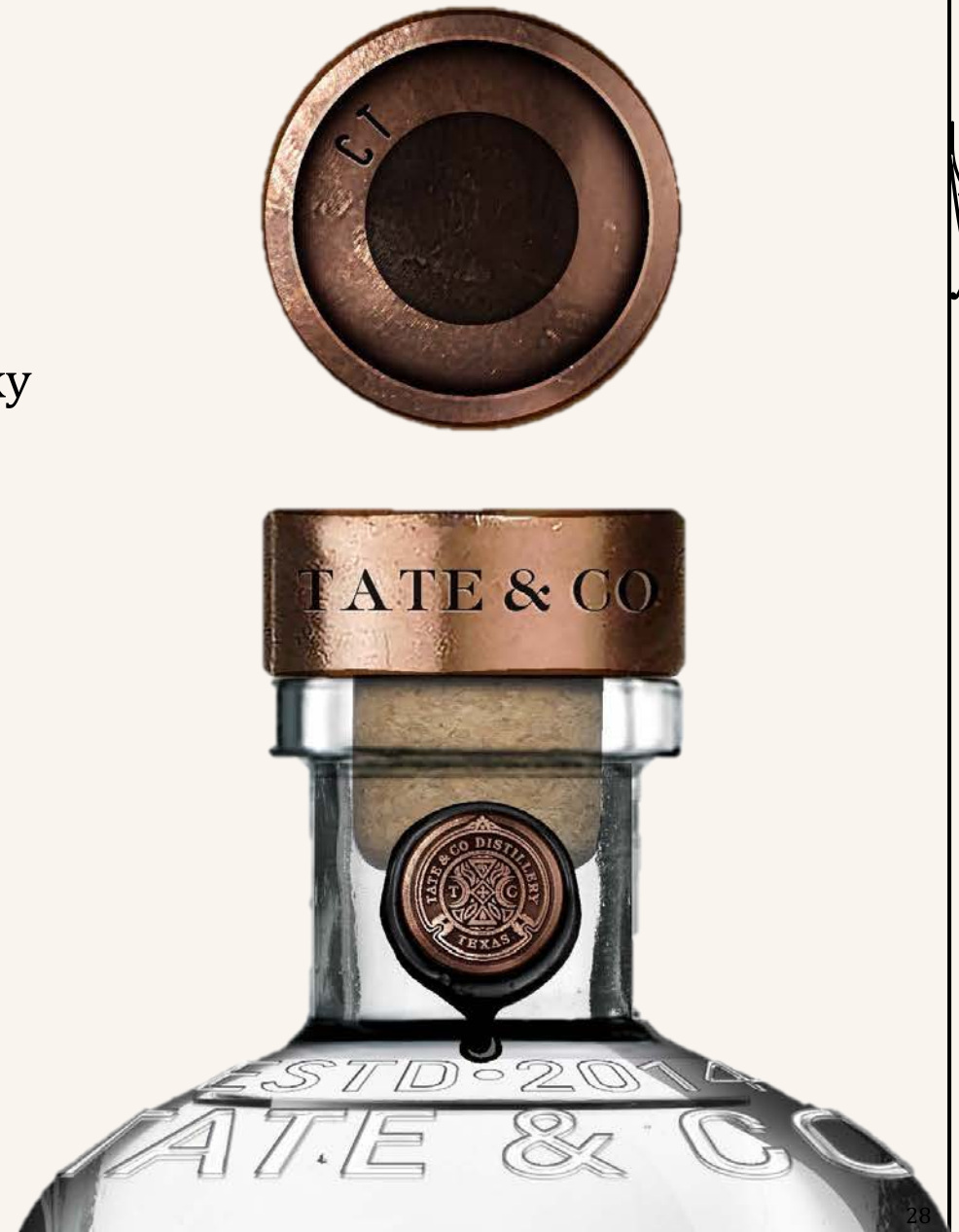
Rum

Single Malt Whisky

Bourbon

Rye Whisky

Agave Anejo



Wonderful Waco, TX

Situated along the Brazos River halfway between Dallas and Austin.

2.7M+

Tourists in 2018,
projected to stay steady –
Up from 700K in 2014!

1.6M



Of those 2.7M, 1.6M **visited Magnolia Market** – by Waco locals Joanna & Chip Gaines from HGTV's hit series **Fixer Upper**

1100 

new hotel rooms
are slated to be built to
meet increased visitor
demand

150K

Metro Population

38%

of households have an
annual income >\$60K



Texas law allows onsite liquor sales (for on and off-premises consumption) at full retail markup



Bottom Line:

Tate & Co Distillery will enhance Waco's growing reputation as an experiential destination.



Estimate Description: Tate & Co. Rev 100

Project #: 2201234

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
01.0 General Conditions											
	Labor safety awards	1.00	EA	0.00	2,000.00	2,000.00	0.00		0.00	0.00	2,464.00
_1-101-	Superintendent	52.00	WEEK	76,960.00	0.00	0.00	0.00		0.00	0.00	127,999.87
_1-101-	Superintendent - OT 10hr/wk	52.00	WEEK	19,240.00	0.00	0.00	0.00		0.00	0.00	31,999.97
_1-102-	Field Engineer	16.00	WEEK	17,280.00	0.00	0.00	0.00		0.00	0.00	28,740.10
_1-102-	Field Engineer - OT	16.00	WEEK	4,320.00	0.00	0.00	0.00		0.00	0.00	7,185.02
_1-140-	Project Manager	20.00	WEEK	35,000.00	0.00	0.00	0.00		0.00	0.00	58,212.00
_1-165-	Estimator	2.00	WEEK	2,400.00	0.00	0.00	0.00		0.00	0.00	3,991.68
_1-150-	Engineer/Architect Fees / Special Inspections	1.00	EA	0.00	0.00	0.00	20,000.00		0.00	0.00	24,640.00
_1-205-	Temporary Phone	16.00	MO	0.00	0.00	0.00	0.00		0.00	2,000.00	2,464.00
_1-210-	Temporary Electric	12.00	MO	0.00	0.00	0.00	0.00		0.00	3,000.00	3,696.00
_1-240-	Temporary Water	24.00	MO	0.00	0.00	0.00	0.00		0.00	960.00	1,182.72
_1-301-	Temporary Office	12.00	MO	0.00	0.00	0.00	5,400.00		5,400.00	0.00	13,305.60
_1-302-	Mobilization	1.00	EA	250.00	175.00	175.00	0.00		0.00	0.00	631.40
_1-305-	Storage Trailer	12.00	MO	0.00	0.00	0.00	0.00		1,320.00	600.00	2,365.44
_1-315-	Temporary Toilet	36.00	MO	0.00	0.00	0.00	0.00		3,420.00	0.00	4,213.44
_1-350-	Safety	1.00	EA	0.00	1,000.00	1,000.00	0.00		0.00	0.00	1,232.00
_1-355-	Temporary Roads	100.00	TN	0.00	16.00	1,600.00	500.00		0.00	0.00	2,587.20
_1-601-	Tools & Equipment	1.00	EA	0.00	1,500.00	1,500.00	0.00		0.00	0.00	1,848.00
_1-602-	Rough Hardware	1.00	EA	0.00	750.00	750.00	0.00		0.00	0.00	924.00
_1-603-	Misc Supplies	1.00	EA	0.00	300.00	300.00	0.00		0.00	0.00	369.60
_1-701-	Layout	1.00	LS	0.00	200.00	200.00	0.00		0.00	0.00	246.40
_1-702-	Surveying / Underground Utility Locate	2.00	EA	0.00	0.00	0.00	3,200.00		0.00	0.00	3,942.40
_1-705-	Current Clean-up	52.00	WEEK	12,133.28	10.00	520.00	0.00		0.00	0.00	20,820.71

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
_1-707-	Haul Dumpster	24.00	EA	0.00	0.00	0.00	0.00		0.00	12,600.00	15,523.20
_1-730-	Office Supplies	12.00	MO	0.00	250.00	3,000.00	0.00		0.00	0.00	3,696.00
_1-739-	Vehicles - Supt	52.00	WEEK	0.00	0.00	0.00	0.00		0.00	16,900.00	20,820.80
_1-739-	Vehicle - FE	16.00	WEEK	0.00	0.00	0.00	0.00		0.00	5,200.00	6,406.40
_1-739-	Vehicle - PM	52.00	WEEK	0.00	0.00	0.00	0.00		0.00	7,800.00	9,609.60
_1-741-	Hotel - Supt	52.00	WEEK	0.00	0.00	0.00	0.00		0.00	26,000.00	32,032.00
_1-741-	Hotel - FE	16.00	WEEK	0.00	0.00	0.00	0.00		0.00	8,000.00	9,856.00
_1-741-	Hotel - PM	52.00	WEEK	0.00	0.00	0.00	0.00		0.00	5,200.00	6,406.40
_1-741-	Hotel - Design	16.00	DY	0.00	0.00	0.00	0.00		0.00	1,600.00	1,971.20
_1-742-	Air Travel - Supt	20.00	EA	0.00	0.00	0.00	0.00		0.00	17,000.00	20,944.00
_1-742-	Air Travel - FE	4.00	EA	0.00	0.00	0.00	0.00		0.00	3,400.00	4,188.80
_1-742-	Air Travel - PM	26.00	EA	0.00	0.00	0.00	0.00		0.00	22,100.00	27,227.20
_1-742-	Air Travel - Design	4.00	EA	0.00	0.00	0.00	0.00		0.00	3,400.00	4,188.80
_1-744-	Per diem - Supt	52.00	WEEK	0.00	0.00	0.00	0.00		0.00	7,800.00	9,609.60
_1-744-	Per diem - FE	16.00	WEEK	0.00	0.00	0.00	0.00		0.00	2,400.00	2,956.80
_1-744-	Per diem - PM	52.00	DY	0.00	0.00	0.00	0.00		0.00	2,600.00	3,203.20
_1-744-	Per diem - Design	16.00	DY	0.00	0.00	0.00	0.00		0.00	480.00	591.36
_1-750-	Job Sign	1.00	EA	0.00	0.00	0.00	0.00		0.00	1,800.00	2,217.60
_1-801-	Builder's Risk Insurance	1.00	LS	0.00	0.00	0.00	0.00		0.00	7,500.00	9,240.00
_1-803-	Permits - State	1.00	LS	0.00	0.00	0.00	0.00		0.00	20,000.00	24,640.00
_1-999-	Procure	1.00	LS	0.00	0.00	0.00	0.00		0.00	8,000.00	9,856.00
01.0 - General Conditions Totals				\$167,583.28		\$11,045.00	\$29,100.00		\$10,140.00	\$186,340.00	\$570,246.51
02.0 Sitework											
	Demo canopy	1,767.12	SF	0.00	0.00	0.00	8,835.60		0.00	0.00	10,885.46
	Tree	11.00	EA	0.00	0.00	0.00	3,300.00		0.00	0.00	4,065.60

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
	Wheel stops	40.00	EA	0.00	0.00	0.00	4,000.00		0.00	0.00	4,928.00
	Dumpster fence	54.19	LF	0.00	0.00	0.00	2,709.50		0.00	0.00	3,338.10
	Gate w/ operator	2.00	EA	0.00	0.00	0.00	20,000.00		0.00	0.00	24,640.00
	Gas line underground	232.52	LF	0.00	0.00	0.00	11,626.00		0.00	0.00	14,323.23
_2-001-	DB - Sitework Sub	1.00	EA	0.00	0.00	0.00	250,000.00		0.00	0.00	308,000.00
_2-001-	Vacuum Excavate at gas line crossings	4.00	EA	0.00	0.00	0.00	10,000.00		0.00	0.00	12,320.00
_2-001-	Grain Handling Bldg - sitework	1.00	LS	0.00	0.00	0.00	15,000.00		0.00	0.00	18,480.00
_2-018-	DB - Erosion Control	716.82	LF	490.91	1.55	1,111.35	0.00		0.00	0.00	2,185.66
_2-055-	DB - Prefab Trench Drain	26.50	LF	340.75	100.00	2,650.00	0.00		265.00	0.00	4,158.02
_2-060-	DB - Backhoe Operator	8.00	WEEK	8,000.00	0.00	0.00	0.00		0.00	0.00	13,305.60
_2-061-	DB - Backhoe Rent	2.00	MO	0.00	0.00	0.00	0.00		3,644.00	750.00	5,413.41
_2-063-	DB - Backhoe Fuel	2.00	MO	0.00	500.00	1,000.00	0.00		0.00	0.00	1,232.00
_2-065-	DB - Rental Equipment	12.00	MO	0.00	0.00	0.00	0.00		14,400.00	2,100.00	20,328.00
_2-117-	DB - Soil Testing	1.00	LS	0.00	0.00	0.00	25,000.00		0.00	0.00	30,800.00
_2-135-	Wood fence	139.60	LF	0.00	0.00	0.00	4,188.00		0.00	0.00	5,159.62
_2-135-	DB - Fencing	413.57	LF	0.00	0.00	0.00	12,407.10		0.00	0.00	15,285.55
_2-140-	DB - Seed & Straw [DIGITAL TAKEOFF]	4.53	ACRE	0.00	0.00	0.00	15,855.00		0.00	0.00	19,533.36
02.0 - Sitework Totals				\$8,831.66		\$4,761.35	\$382,921.20		\$18,309.00	\$2,850.00	\$518,381.61
02.1 Demolition											
	Remove stair	2.00	EA	0.00	0.00	0.00	4,000.00		0.00	0.00	4,928.00
	Remove mezzanine structure	345.31	SF	0.00	0.00	0.00	41,437.20		0.00	0.00	51,050.63
_2-330-	DB - Remove Slab on Grade	5,426.32	SF	5,426.15	0.25	1,356.58	0.00		5,426.32	0.00	17,381.31
_2-420-	DB - Remove Masonry for Openings	96.00	SF	79.79	0.00	0.00	0.00		24.00	0.00	162.27
_2-460-	DB - Remove Concrete Block Wall - 12' tall	1,178.00	SF	7,920.15	0.00	0.00	0.00		5,890.00	0.00	20,429.27
_2-550-	DB - Remove Siding & girts	856.00	SF	921.90	0.00	0.00	0.00		8,560.00	0.00	12,079.22

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
_2-807-	DB - Remove Door	11.00	EA	1,493.10	2.25	24.75	0.00		0.00	0.00	2,513.82
_2-825-	DB - Remove OH Doors	8.00	EA	0.00	0.00	0.00	6,000.00		0.00	0.00	7,392.00
02.1 - Demolition Totals				\$15,841.09		\$1,381.33	\$51,437.20		\$19,900.32	\$0.00	\$115,936.52
03.0 Concrete											
_2-055-	DB - Prefab Trench Drain	111.90	LF	1,438.92	500.00	55,950.00	0.00		1,119.00	0.00	72,702.22
_3-025-	Canopy foundation & slab	848.83	SF	0.00	0.00	0.00	12,732.45		0.00	0.00	15,686.38
_3-025-	Grain Handling Bldg - Concrete	1.00	LS	0.00	0.00	0.00	120,000.00		0.00	0.00	147,840.00
_3-025-	DB - Concrete Sub Pump House	1.00	LS	0.00	0.00	0.00	65,000.00		0.00	0.00	80,080.00
_3-025-	DB - Concrete Sub Site and Storage	1.00	LS	0.00	0.00	0.00	410,000.00		0.00	0.00	505,120.00
_3-355-	DB - Precast Concrete - Hollow Core Planks	200.00	SF	0.00	30.00	6,000.00	1,000.00		0.00	0.00	8,624.00
_3-841-	DB - Concrete Testing	1.00	EA	22.31	3.25	3.25	85.00		0.00	0.00	145.83
_3-906-	DB - Pipe Bollards	39.00	EA	7,539.01	130.00	5,070.00	0.00		0.00	0.00	18,785.12
03.0 - Concrete Totals				\$9,000.24		\$67,023.25	\$608,817.45		\$1,119.00	\$0.00	\$848,983.55
04.0 Masonry											
_4-010-	DB - General Masonry at Storage	2,081.83	SF	0.00	0.00	0.00	37,472.94		0.00	0.00	46,166.66
_4-010-	DB - General Masonry at Existing	1,547.93	SF	0.00	0.00	0.00	27,862.74		0.00	0.00	34,326.90
_4-010-	Masonry work at stills	1.00	LS	0.00	0.00	0.00	200,000.00		0.00	0.00	246,400.00
_4-010-	DB - General Masonry at Pump House	784.00	SF	0.00	0.00	0.00	14,112.00		0.00	0.00	17,385.98
_4-855-	DB - Misc Masonry Reinforcing	3,466.74	LB	0.00	0.55	1,906.71	0.00		0.00	0.00	2,349.07
04.0 - Masonry Totals				\$0.00		\$1,906.71	\$279,447.68		\$0.00	\$0.00	\$346,628.61
05.0 Steel											
	Mezzanine infill on 2nd Floor	427.83	SF	0.00	0.00	0.00	47,061.30		0.00	0.00	57,979.52
	Stair & Landing on Mezzanine	45.36	SF	0.00	0.00	0.00	4,989.60		0.00	0.00	6,147.19
	Steel catwalk	291.76	SF	0.00	0.00	0.00	40,117.00		0.00	0.00	49,424.14
	Steel platform around tanks	95.58	SF	0.00	0.00	0.00	21,027.60		0.00	0.00	25,906.00

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
_5-110-	Mezzanine in Fermentation room	1,200.21	SF	0.00	0.00	0.00	66,011.55		0.00	0.00	81,326.23
_5-110-	Grain Handling Pipe Rack	1.00	LS	0.00	0.00	0.00	15,000.00		0.00	0.00	18,480.00
_5-560-	DB - Steel Stairs (12') - galvanized exterior	1.00	EA	0.00	0.00	0.00	13,200.00		0.00	0.00	16,262.40
_5-560-	DB - Steel Stairs (12')	1.00	EA	0.00	0.00	0.00	13,200.00		0.00	0.00	16,262.40
_5-560-	Stair to platform around tanks	1.00	EA	0.00	0.00	0.00	8,250.00		0.00	0.00	10,164.00
_5-560-	Stair down to mash	1.00	EA	0.00	0.00	0.00	8,250.00		0.00	0.00	10,164.00
_5-560-	DB - Dock Stairs (4')	1.00	EA	0.00	0.00	0.00	8,250.00		0.00	0.00	10,164.00
05.0 - Steel Totals				\$0.00		\$0.00	\$245,357.05		\$0.00	\$0.00	\$302,279.89
06.0 Wood											
	Breakroom casework	9.16	LF	0.00	0.00	0.00	2,748.00		0.00	0.00	3,385.54
	Restroom casework	3.00	EA	0.00	0.00	0.00	6,000.00		0.00	0.00	7,392.00
06.0 - Wood Totals				\$0.00		\$0.00	\$8,748.00		\$0.00	\$0.00	\$10,777.54
07.0 Thermal											
_7-010-	DB - Roofing at Pump House	200.00	SF	0.00	0.00	0.00	3,000.00		0.00	0.00	3,696.00
_7-212-	DB - Vinyl Backed Insulation - wall insulation	15,581.95	SF	0.00	0.55	8,570.07	0.00		0.00	0.00	10,558.33
_7-212-	Vinyl backed insulation - roof	20,050.13	SF	0.00	0.55	11,027.57	0.00		0.00	0.00	13,585.97
_7-212-	DB - Vinyl Backed Insulation	2,301.51	SF	0.00	0.55	1,265.82	0.00		0.00	0.00	1,559.49
_7-212-	DB - Vinyl Backed Insulation	1.00	LS	0.00	0.00	0.00	9,000.00		0.00	0.00	11,088.00
_7-810-	DB - Metal Siding - Ext	2,036.74	SF	0.00	6.99	14,236.81	14,766.37		0.00	0.00	35,731.92
_7-810-	DB - Metal Siding - Liner Panel	9,214.52	SF	0.00	6.15	56,669.29	55,747.85		0.00	0.00	138,497.92
_7-810-	DB - Metal Siding - Trim	565.60	LF	0.00	1.95	1,102.92	1,442.28		0.00	0.00	3,135.69
_7-920-	DB - Caulking & Sealants	418.00	LF	880.46	1.15	480.70	0.00		0.00	0.00	2,056.60
_7-920-	DB - Caulking & Sealants at Paving	1.00	LS	2.03	1.15	1.15	21,000.00		0.00	0.00	25,876.79
07.0 - Thermal Totals				\$882.49		\$93,354.33	\$104,956.50		\$0.00	\$0.00	\$245,786.70
08.0 Doors & Windows											

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
	Interior 4'x5' windows	5.00	EA	0.00	0.00	0.00	5,000.00		0.00	0.00	6,160.00
_8-.115-	DB - Hollow Metal Doors	51.00	EA	5,372.01	400.00	20,400.00	0.00		0.00	0.00	34,067.53
_8-.115-	Grain Handling Bldg - Hollow Metal Doors	1.00	LS	0.00	0.00	0.00	3,500.00		0.00	0.00	4,312.00
_8-.120-	DB - Hollow Metal Frames	48.00	EA	5,056.01	250.00	12,000.00	0.00		0.00	0.00	23,193.16
_8-.360-	Dock Doors	2.00	EA	0.00	0.00	0.00	7,600.00		0.00	0.00	9,363.20
_8-.360-	10'x10' Fire Rated OH doors	2.00	EA	0.00	0.00	0.00	7,600.00		0.00	0.00	9,363.20
_8-.360-	16'x16' OH doors	2.00	EA	0.00	0.00	0.00	7,600.00		0.00	0.00	9,363.20
_8-.360-	16'x16' OH door	3.00	EA	0.00	0.00	0.00	11,400.00		0.00	0.00	14,044.80
_8-.360-	10'x10' OH Door	1.00	EA	0.00	0.00	0.00	3,800.00		0.00	0.00	4,681.60
_8-.360-	Grain Handling bldg - OH Doors	1.00	LS	0.00	0.00	0.00	8,000.00		0.00	0.00	9,856.00
_8-.710-	DB - Finish Hardware	51.00	EA	6,435.74	325.00	16,575.00	0.00		0.00	0.00	31,124.32
_8-.815-	Exterior Windows	98.58	SF	0.00	0.00	0.00	3,450.30		0.00	0.00	4,250.77
_8-.815-	Glass Curtain wall	1,269.00	SF	0.00	0.00	0.00	95,175.00		0.00	0.00	117,255.60
_8-.815-	DB - Glass & Aluminum Sub	128.00	SF	0.00	0.00	0.00	4,480.00		0.00	0.00	5,519.36
_8-.815-	Window in Visitors reception area	25.00	SF	0.00	0.00	0.00	1,250.00		0.00	0.00	1,540.00
08.0 - Doors & Windows Totals				\$16,863.76		\$48,975.00	\$158,855.30		\$0.00	\$0.00	\$284,094.74
09.0 Finishes											
	Dustcover	2,136.51	SF	0.00	0.00	0.00	23,501.61		0.00	0.00	28,953.98
_9-.130-	DB - Acoustical Ceilings	4,407.63	SF	0.00	0.00	0.00	16,528.61		0.00	0.00	20,363.25
_9-.700-	DB - Ceramic Tile - 5' wainscot	815.00	SF	0.00	0.00	0.00	13,040.00		0.00	0.00	16,065.28
_9-.700-	DB - Ceramic Tile	360.84	SF	0.00	0.00	0.00	5,773.44		0.00	0.00	7,112.88
_9-.330-	Grain Handling - Finishes - Drywall & Metal Studs	1.00	LS	0.00	0.00	0.00	7,150.00		0.00	0.00	8,808.80
_9-.750-	DB - VCT Flooring	4,422.49	SF	0.00	0.00	0.00	12,382.97		0.00	0.00	15,255.82
_9-.751-	DB - Vinyl Base	1,999.68	LF	0.00	0.00	0.00	4,599.26		0.00	0.00	5,666.29

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
_9-.850-	DB - Carpet	1,033.96	SF	0.00	0.00	0.00	5,686.78		0.00	0.00	7,006.11
_9-.940-	Epoxy Paint - 1 hr fire wall	2,182.40	SF	0.00	0.00	0.00	5,346.88		0.00	0.00	6,587.36
_9-.940-	Paint existing siding - from elevation dwg	5,964.69	SF	0.00	0.00	0.00	14,613.49		0.00	0.00	18,003.82
_9-.940-	DB - Paint-Caulk-VWC	2,893.68	SF	0.00	0.00	0.00	6,221.41		0.00	0.00	7,664.78
_9-.940-	Paint existing siding - not shown on elevation	3,420.00	SF	0.00	0.00	0.00	8,379.00		0.00	0.00	10,322.93
_9-.940-	DB - Paint-Caulk-VWC	29,566.46	SF	0.00	0.00	0.00	72,437.84		0.00	0.00	89,243.42
_9-.330-	DB - Drywall 5/8 X	29,565.42	SF	0.00	0.00	0.00	118,261.68		0.00	0.00	145,698.39
_9-.330-	DB - Metal Studs 3 5/8 @ 16 20g	16,478.54	SF	0.00	0.00	0.00	41,525.92		0.00	0.00	51,159.93
_9-.100-	Metal stud,20 ga,6",12" oc	1,091.20	SF	0.00	0.00	0.00	7,201.92		0.00	0.00	8,872.77
09.0 - Finishes Totals				\$0.00		\$0.00	\$362,650.81		\$0.00	\$0.00	\$446,785.80
10.0 Specialties											
	3'x7' Canopies	4.00	EA	0.00	0.00	0.00	12,000.00		0.00	0.00	14,784.00
	3'x10' canopy	1.00	EA	0.00	0.00	0.00	4,000.00		0.00	0.00	4,928.00
	3'x40' canopy over dock	1.00	EA	0.00	0.00	0.00	20,000.00		0.00	0.00	24,640.00
	Break canopy	440.53	SF	0.00	0.00	0.00	11,013.25		0.00	0.00	13,568.32
	13'x31' loading canopy	419.82	SF	0.00	0.00	0.00	10,495.50		0.00	0.00	12,930.46
10-.160-	DB - Toilet Partition	2.00	EA	840.56	600.00	1,200.00	0.00		0.00	0.00	2,876.42
10-.811-	DB - Toilet Paper Holder	5.00	EA	98.75	30.00	150.00	0.00		0.00	0.00	349.04
10-.812-	DB - Mirror	5.00	EA	395.00	125.00	625.00	0.00		0.00	0.00	1,426.96
10-.813-	DB - Towel Dispenser	6.00	EA	158.00	60.00	360.00	0.00		0.00	0.00	706.31
10-.814-	DB - Grab Bar - Sets	5.00	EA	329.04	102.00	510.00	0.00		0.00	0.00	1,175.58
10-.815-	Shower,precast conc,double entry,St steel	1.00	EA	500.00	4,263.60	4,263.60	0.00		0.00	0.00	6,084.36
10.0 - Specialties Totals				\$2,321.35		\$7,108.60	\$57,508.75		\$0.00	\$0.00	\$83,469.44
11.0 Equipment											
11-.161-	DB - Dock Levelers	2.00	EA	0.00	0.00	0.00	13,000.00		0.00	0.00	16,016.00

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
11-163-	DB - Dock Restraints	2.00	EA	0.00	0.00	0.00	9,200.00		0.00	0.00	11,334.40
11-167-	DB - Dock Lights	2.00	EA	0.00	0.00	0.00	1,500.00		0.00	0.00	1,848.00
11-168-	DB - Dock Commander Controls	2.00	EA	0.00	0.00	0.00	3,800.00		0.00	0.00	4,681.60
11-497-	DB - Lockers	8.00	EA	421.47	125.00	1,000.00	0.00		0.00	0.00	1,932.99
11.0 - Equipment Totals				\$421.47		\$1,000.00	\$27,500.00		\$0.00	\$0.00	\$35,812.99
13.0 Special Construction											
13-121-	Grain Handling - PEMB - Material Only	1.00	LS	0.00	0.00	0.00	120,000.00		0.00	0.00	147,840.00
13-121-	PEMB - Seamer Rental	1.00	EA	0.00	0.00	0.00	0.00		1,500.00	0.00	1,848.00
13-122-	PEMB - Erection	20,000.00	SF	0.00	0.00	0.00	216,000.00		0.00	0.00	266,112.00
13.0 - Special Construction Totals				\$0.00		\$0.00	\$336,000.00		\$1,500.00	\$0.00	\$415,800.00
15.1 Mechanical											
	Move existing Chiller	1.00	EA	0.00	0.00	0.00	30,000.00		0.00	0.00	36,960.00
15-010-	DB - HVAC Package	20,000.00	SF	0.00	0.00	0.00	176,000.00		0.00	0.00	216,832.00
15-010-	DB - HVAC Package	6,951.00	SF	0.00	0.00	0.00	104,265.00		0.00	0.00	128,454.48
15-010-	Grain Handling - mechanical	1.00	LS	0.00	0.00	0.00	108,000.00		0.00	0.00	133,056.00
15.1 - Mechanical Totals				\$0.00		\$0.00	\$418,265.00		\$0.00	\$0.00	\$515,302.48
15.2 Plumbing											
15-001-	DB - Plumbing Package	20,000.00	SF	0.00	0.00	0.00	180,000.00		0.00	0.00	221,760.00
15-001-	DB - Plumbing Package	6,951.11	SF	0.00	0.00	0.00	86,888.88		0.00	0.00	107,047.10
15.2 - Plumbing Totals				\$0.00		\$0.00	\$266,888.88		\$0.00	\$0.00	\$328,807.10
15.3 Fire Protection											
	Fire Pump	1.00	EA	0.00	0.00	0.00	120,000.00		0.00	0.00	147,840.00
15-300-	DB - Fire Sprinkler System - Storage	20,000.00	SF	0.00	0.00	0.00	118,000.00		0.00	0.00	145,376.00
15-300-	DB - Fire Sprinkler System - Existing	11,188.00	SF	0.00	0.00	0.00	79,434.80		0.00	0.00	97,863.67
15-300-	Grain Handling - Fire Sprinkler System - Wet	1.00	LS	0.00	0.00	0.00	42,000.00		0.00	0.00	51,744.00

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
15-300-	DB - Fire Sprinkler System - Design	1.00	LS	0.00	0.00	0.00	35,000.00		0.00	0.00	43,120.00
15-300-	DB - Fire Sprinkler - Underground Piping	683.09	LF	0.00	0.00	0.00	170,772.50		0.00	0.00	210,391.72
15.3 - Fire Protection Totals				\$0.00		\$0.00	\$565,207.30		\$0.00	\$0.00	\$696,335.39
16.0 Electrical											
16-001-	Storage - Electrical	20,000.00	SF	0.00	0.00	0.00	389,000.00		0.00	0.00	479,248.00
16-001-	Existing - Electrical	6,951.00	SF	0.00	0.00	0.00	152,922.00		0.00	0.00	188,399.90
16-001-	Grain Handling - Electrical	5,400.00	SF	0.00	0.00	0.00	124,200.00		0.00	0.00	153,014.40
16-001-	Pump House - Electrical	196.00	SF	0.00	0.00	0.00	6,860.00		0.00	0.00	8,451.52
16.0 - Electrical Totals				\$0.00		\$0.00	\$672,982.00		\$0.00	\$0.00	\$829,113.82
20.0 Engineering											
20-001-	Engineering (# Drawings)	1.00	EA	0.00	0.00	0.00	0.00		0.00	64,204.55	79,100.01
20.0 - Engineering Totals				\$0.00		\$0.00	\$0.00		\$0.00	\$64,204.55	\$79,100.01
No 16 CSI Division											
	UTILITY MATERIAL INCLUDING ALL PROCESS PIPE, HANGERS, VALVES, ETC	1.00		0.00	0.00	0.00	686,000.00		0.00	0.00	686,000.00
	SPIRIT STILL COIL	1.00	#	0.00	0.00	0.00	15,000.00		0.00	0.00	15,000.00
	ORBITAL WELDER RENTAL FOR STAINLESS PIPE FITTING 4 MONTHS	1.00	#	0.00	0.00	0.00	16,800.00		0.00	0.00	16,800.00
	STAINLESS STEEL SANTIMATIC STRAINERS (2) THE CARY COMPANY #21B2MS	1.00	#	0.00	0.00	0.00	10,132.00		0.00	0.00	10,132.00
	PERIMETER I-BEAM FOR OVERHEAD CRANE	1.00	#	0.00	0.00	0.00	13,000.00		0.00	0.00	13,000.00
	CASE CONVEYORS	1.00	#	0.00	0.00	0.00	30,000.00		0.00	0.00	30,000.00
	INSULATION: CHILLED WATER	1.00	#	0.00	0.00	0.00	53,529.00		0.00	0.00	53,529.00
	ROLLER MILL - SIX ROLL-ORONOKO SASQUATCH MALT MILL	1.00	#	0.00	0.00	0.00	35,158.48		0.00	0.00	35,158.48

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
	SPIRIT MARRYING TANK 2000GAL WITH SCALE(NO JACKET NEEDED)	1.00	#	0.00	0.00	0.00	14,900.00		0.00	0.00	14,900.00
	COMPRESSED AIR SUPPLY - NEW ROTARY SCREW AIR COMPRESSOR R160N 200 HP	1.00	EA	0.00	0.00	0.00	334,738.00		0.00	0.00	334,738.00
	INSTALLATION OF MALT HANDLING SYSTEM	1.00	#	0.00	0.00	0.00	61,471.11		0.00	0.00	61,471.11
	SHIPPING	1.00	#	0.00	0.00	0.00	36,105.00		0.00	0.00	36,105.00
	GENERATOR 500KW	1.00	#	0.00	0.00	0.00	94,500.00		0.00	0.00	94,500.00
	COOLER TO EXTERIOR SURGE HOPPER CONVEYANCE ON LOAD CELLS	1.00	#	0.00	0.00	0.00	15,916.05		0.00	0.00	15,916.05
	SIGHT GLASS BACK LIGHTING EXPLOSION PROOF WITHIN 5'	1.00	#	0.00	0.00	0.00	1,000.00		0.00	0.00	1,000.00
	GRIST TO MASH 1 & 2 CONVEYANCE	1.00	#	0.00	0.00	0.00	29,285.83		0.00	0.00	29,285.83
	OVERHEAD CRANE	1.00	#	0.00	0.00	0.00	23,251.00		0.00	0.00	23,251.00
	ROASTER TO COOLING UNIT CONVEYANCE W/CUSTOM DISCHARGE	1.00	#	0.00	0.00	0.00	16,516.05		0.00	0.00	16,516.05
	STEELS MASHER 10" (6' LENGTH)	1.00	#	0.00	0.00	0.00	26,400.00		0.00	0.00	26,400.00
	STILL PLATFORMS	1.00	#	0.00	0.00	0.00	5,000.00		0.00	0.00	5,000.00
	SPIRIT FILTER	1.00	#	0.00	0.00	0.00	1,000.00		0.00	0.00	1,000.00
	INSULATION: CONDENSATE	1.00	#	0.00	0.00	0.00	32,353.00		0.00	0.00	32,353.00
	GC's - Grain Handling Bldg	1.00	LS	0.00	0.00	0.00	5,000.00		0.00	0.00	6,160.00
	PUMP - POSITIVE DISPLACEMENT	1.00	#	0.00	0.00	0.00	16,500.00		0.00	0.00	16,500.00
	PHASE MONITOR ADDITION	1.00	#	0.00	0.00	0.00	607.10		0.00	0.00	607.10
	INSULATION: STEAM	1.00	#	0.00	0.00	0.00	29,118.00		0.00	0.00	29,118.00
	WAREHOUSE RACKING	1.00	#	0.00	0.00	0.00	50,000.00		0.00	0.00	50,000.00
	COOLING UNIT W/CUSTOM DISCHARGE	1.00	#	0.00	0.00	0.00	39,972.00		0.00	0.00	39,972.00

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
	AFFLUENT TREATMENT EQUIPMENT BUDGET FOR COPPER/BOD/COD REMOVAL	1.00	#	0.00	0.00	0.00	400,000.00		0.00	0.00	400,000.00
	MISC HARDWARE FOR SUSPENDING, SECURING, ANCHORING, SEALING	1.00	#	0.00	0.00	0.00	1,083.33		0.00	0.00	1,083.33
	SILOS - CORN & MALTED BARLEY	1.00	#	0.00	0.00	0.00	62,737.54		0.00	0.00	62,737.54
	FURNITURE	1.00	#	0.00	0.00	0.00	40,000.00		0.00	0.00	40,000.00
	MANUAL SPIRIT FILLER	1.00	#	0.00	0.00	0.00	25,000.00		0.00	0.00	25,000.00
	SPENT GRAIN TANK	1.00	#	0.00	0.00	0.00	31,361.82		0.00	0.00	31,361.82
	RELOCATE 40' CONTAINERS \$515.00 PER HOUR PLUS \$50.00 PERMIT 8 HOURS	1.00	#	0.00	0.00	0.00	4,170.00		0.00	0.00	4,170.00
	WALK IN COOLER (app 12 x 12)	1.00	#	0.00	0.00	0.00	15,000.00		0.00	0.00	15,000.00
	SIGNAGE	1.00	#	0.00	0.00	0.00	10,000.00		0.00	0.00	10,000.00
	RELOCATE CHILLER TO PAD 750.00 PER HOUR \$100.00 PERMIT 8 HOURS	1.00	#	0.00	0.00	0.00	6,100.00		0.00	0.00	6,100.00
	BULK BAG STAND, SMALL BAG HOPPER & CONVEYANCE	1.00	#	0.00	0.00	0.00	10,622.38		0.00	0.00	10,622.38
	CONTRACTING COSTS (PERMITS)	1.00	#	0.00	0.00	0.00	55,000.00		0.00	0.00	55,000.00
	COMBINATION VACUUM/BLOWER SYSTEM	1.00	#	0.00	0.00	0.00	47,732.44		0.00	0.00	47,732.44
	DRAFF REMOVAL SYSTEM	1.00	#	0.00	0.00	0.00	33,433.97		0.00	0.00	33,433.97
	RELOCATE ALL COMPONENTS TO WAREHOUSE AND BACK TO PROCESS	1.00	#	0.00	0.00	0.00	42,480.00		0.00	0.00	42,480.00
	HE WEIGH MODULE 4X 50,000 LB (PACK OF 4)	1.00	#	0.00	0.00	0.00	11,599.20		0.00	0.00	11,599.20
	6 SPIRIT TOTES THE CARY COMPANY 550 GALLON TOTE WITH ACCESSORIES	1.00	#	0.00	0.00	0.00	24,000.00		0.00	0.00	24,000.00
	3 LOW WINES TANKS	1.00	#	0.00	0.00	0.00	60,000.00		0.00	0.00	60,000.00
	ROAST-A-MATIC ROASTER MODEL 165 W/ CUSTOM DISCHARGE	1.00	#	0.00	0.00	0.00	61,241.73		0.00	0.00	61,241.73

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
	SILO TO ROASTER CONVEYANCE	1.00	#	0.00	0.00	0.00	46,357.55		0.00	0.00	46,357.55
	GRIST CASE- 450 CU. FT. CUSTOM	1.00	#	0.00	0.00	0.00	8,741.40		0.00	0.00	8,741.40
	UNDER TRUCK HOPPER	1.00	#	0.00	0.00	0.00	2,210.00		0.00	0.00	2,210.00
	WS LEG OIL COOLING SYSTEM (UNKNOWN)	1.00	#	0.00	0.00	0.00	10,000.00		0.00	0.00	10,000.00
	ADD FOR STAINLESS UP TO HANDLE ACID OF WW	1.00	#	0.00	0.00	0.00	15,000.00		0.00	0.00	15,000.00
	CHAIN DISK GRAIN DELIVERY SYSTEM - EXTERIOR SURGE HOPPER TO MILL	1.00	#	0.00	0.00	0.00	12,009.29		0.00	0.00	12,009.29
	HOSE, VALVES, AND CLAMP PACKAGE	1.00	#	0.00	0.00	0.00	10,300.00		0.00	0.00	10,300.00
	ANALOG TEMPERATURE SENSOR	1.00	#	0.00	0.00	0.00	1,755.00		0.00	0.00	1,755.00
	BARREL DUMP DECANter	1.00	#	0.00	0.00	0.00	10,000.00		0.00	0.00	10,000.00
	COMPUTERS/SOFTWARE/NETWORK	1.00	#	0.00	0.00	0.00	20,000.00		0.00	0.00	20,000.00
	ON SITE STARTUP	1.00	#	0.00	0.00	0.00	5,738.81		0.00	0.00	5,738.81
	BOTTLE LABELING EQUIPMENT	1.00	#	0.00	0.00	0.00	19,000.00		0.00	0.00	19,000.00
	CONTROLS - GRAIN HANDLING MOTOR CONTROLS	1.00	#	0.00	0.00	0.00	89,830.45		0.00	0.00	89,830.45
	DUST COLLECTION SYSTEM AND DUCT	1.00	#	0.00	0.00	0.00	36,004.92		0.00	0.00	36,004.92
	BOTTLING & GAUGING TANK(2)	1.00	#	0.00	0.00	0.00	12,000.00		0.00	0.00	12,000.00
	PROJECT MANAGEMENT AND SUPPORT	1.00	#	0.00	0.00	0.00	8,500.00		0.00	0.00	8,500.00
	JACKETED SPIRIT COOLING TANK, 1000GAL	1.00	#	0.00	0.00	0.00	40,000.00		0.00	0.00	40,000.00
	COMMISSIONING OF CHILLER SYSTEM - GET COST FROM E-MAX	1.00	#	0.00	0.00	0.00	15,000.00		0.00	0.00	15,000.00
	3 FERMENTATION TANKS	1.00	#	0.00	0.00	0.00	86,238.00		0.00	0.00	86,238.00
	DRUM UNLOADER PUMPS	1.00	#	0.00	0.00	0.00	19,200.00		0.00	0.00	19,200.00
	IR BURNER, SETUP	1.00	#	0.00	0.00	0.00	109,000.00		0.00	0.00	109,000.00
	PROCESS WATER CARBON FILTRATION	1.00	#	0.00	0.00	0.00	34,325.00		0.00	0.00	34,325.00

Other Accounting Code	Description	Quantity	Unit	Labor Total	Material Cost	Material Total	Subcontractor Total	Subcontractor	Equipment Total	Other Total	Total Estimate
	LABOR TO FIT AND INSTALL EQUIPMENT	1.00	#	0.00	0.00	0.00	952,000.00		0.00	0.00	952,000.00
	1500lb FLOOR SCALE (2)	1.00	#	0.00	0.00	0.00	7,800.00		0.00	0.00	7,800.00
	PLATE/FRAME FILTER	1.00	#	0.00	0.00	0.00	2,000.00		0.00	0.00	2,000.00
	FORKLIFTS	1.00	#	0.00	0.00	0.00	21,797.28		0.00	0.00	21,797.28
	BAG STAND & HOPPER TO MILL CONVEYANCE	1.00	#	0.00	0.00	0.00	26,170.12		0.00	0.00	26,170.12
	SMALL SPECIALTY HOPPER	1.00	#	0.00	0.00	0.00	984.38		0.00	0.00	984.38
	MILLED PRODUCT TAKE-AWAY CONVEYANCE TO GRIST CASE	1.00	#	0.00	0.00	0.00	14,657.44		0.00	0.00	14,657.44
	HOT WATER SKID	1.00	#	0.00	0.00	0.00	79,520.71		0.00	0.00	79,520.71
	K600 SQUARE KNIFE	1.00	#	0.00	0.00	0.00	4,049.26		0.00	0.00	4,049.26
No 16 CSI Division Totals				\$0.00		\$0.00	\$4,355,004.64		\$0.00	\$0.00	\$4,356,164.64
Totals				\$221,745.34		\$236,555.57	\$8,931,647.76		\$50,968.32	\$253,394.55	\$11,029,807.34

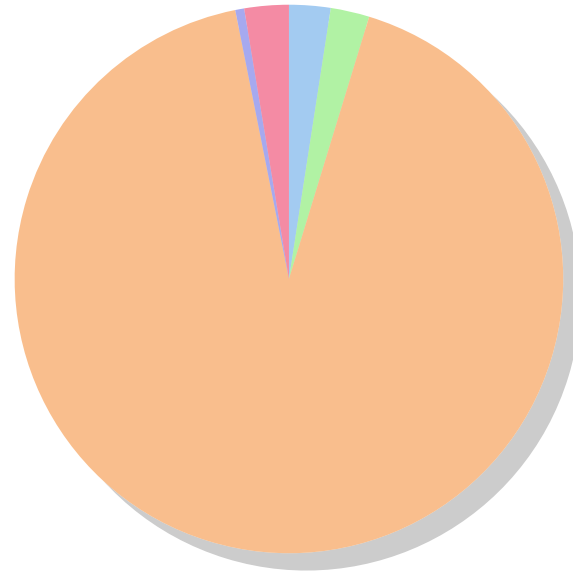
Base Cost Details

Description	Percentage	Amount	Type	Cost Types	Total	Compound
Material	0.0000%	0.00	Markup	Mat	236,555.57	no
Labor	35.0000%	77,610.87	Markup	Lab	299,356.21	no
SubContractor	0.0000%	0.00	Markup	Sub	8,931,647.76	no
Equipment	0.0000%	0.00	Markup	Eqp	50,968.32	no
Other	0.0000%	0.00	Markup	Oth	253,394.55	no
Sub-Total (Direct Cost)					\$9,771,922.41	

Indirect cost Details

Description	Percentage	Amount	Type	Cost Types	Total	Compound
Profit	12.0000%	0.00	Markup	All Cost Types	650,630.13	yes
Contingency	10.0000%	0.00	Markup	All Cost Types	607,254.79	yes
Total Estimate					\$11,029,807.33	

Estimate Summary



- Material [\$236,556]
- Labor [\$221,745]
- SubContractor [\$8,931,648]
- Equipment [\$50,968]
- Other [\$253,395]

Description		Total
Sub-Total (Base Cost)		\$9,694,311.54
Labor	35.0000%	77,610.87
Sub-Total (Indirect Cost)		\$9,771,922.41
Profit	12.0000%	650,630.13
Contingency	10.0000%	607,254.79
Total Estimate		\$11,029,807.33