

# In Pursuit of Perfection: Building a New Oriented Strand Board Plant

Jonathan E. Martin



Roy O Martin<sup>®</sup>  
**CORRIGAN**

 **SSB**



- **Roy O Martin** is the trade name of a group of family-owned, professionally managed wood products and forestland-management companies based in Alexandria, Louisiana. Founded in 1923, the organization currently employs approximately 1,100 people and operates plywood and timbers mill in Chopin, Louisiana, and an oriented strand board (OSB) mill in Oakdale, Louisiana, with a new OSB mill under construction in Texas.

# Project Criteria

- Highest possible priority on the Safety, Health and Environmental aspects.
- Cleanliness and “Employer of Choice” place to work.
- Lowest possible long term operating cost.
- Constructability within budget.
- Maximum uptime-95% - recognize cost of under-capacity operation as the 2<sup>nd</sup> largest cost.
- Buy only proven equipment from reliable and dependable suppliers who absolutely understand and honor long term business relationships.



<b>Base Demand Scenario Projected Average</b>				
<b>Species</b>	<b>2013</b>	<b>5-Year</b>	<b>10-Year</b>	<b>17-Year</b>
Pine Pulpwood	1.43	1.27	1.19	1.15
Pine Chip-N-Saw	1.40	1.27	1.20	1.13
Pine Sawtimber	1.49	1.32	1.29	1.24
<b>Demand - Scenario 1 Projected Average</b>				
<b>Species</b>	<b>2013</b>	<b>5-Year</b>	<b>10-Year</b>	<b>17-Year</b>
Pine Pulpwood	1.43	1.25	1.17	1.13
Pine Chip-N-Saw	1.40	1.26	1.19	1.11
Pine Sawtimber	1.49	1.32	1.29	1.24
<b>Demand - Scenario 2 Projected Average</b>				
<b>Species</b>	<b>2013</b>	<b>5-Year</b>	<b>10-Year</b>	<b>17-Year</b>
Pine Pulpwood	1.43	1.24	1.16	1.13
Pine Chip-N-Saw	1.40	1.26	1.19	1.11
Pine Sawtimber	1.49	1.32	1.29	1.24



# U.S. Housing Forecast

## Single-family & Multifamily Only\*

<u>Forecasts (000)</u>	<u>2016</u>	<u>2017</u>
RISI-Feb 25	1,290	1,520
APA-March 16	1,235	1,380
Fannie Mae-Feb 9	1,234	1,355
Mortgage Bankers-Feb 18	1,233	1,359
Forest Economic Adv.-Feb 28	1,226	1,408
NAHB-March 2	1,213	1,435
Wells Fargo-March 9	1,200	1,250
<u>Royal Bank of Canada-March 12</u>	<u>1,199</u>	<u>1,327</u>
Average	1,229	1,379
	+11%	+12%

APA Forecast	<u>2015 Actual</u>	<u>2016</u>	<u>2017</u>
Single Family	714,500	785,000	850,000
Multifamily	<u>397,300</u>	<u>450,000</u>	<u>515,000</u>
Total	1,111,800	1,235,000	1,365,000
Canada	198,200	187,000	185,000

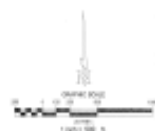
### Forecast revisions since last month:

The 2016 average down 14,000. RBC down 50,000; Wells Fargo unchanged; FEA down 5,000; NAHB down 43,000; RISI down 1,000; Mortgage Bankers Association up 3,000; APA down 15,000; Fannie Mae unchanged.

The 2017 average down 18,000. Mortgage Bankers Association unchanged; FEA down 2,000; RBC down 39,000; Wells Fargo, unchanged; NAHB down 86,000; Fannie Mae, unchanged; APA down 15,000; RISI unchanged.

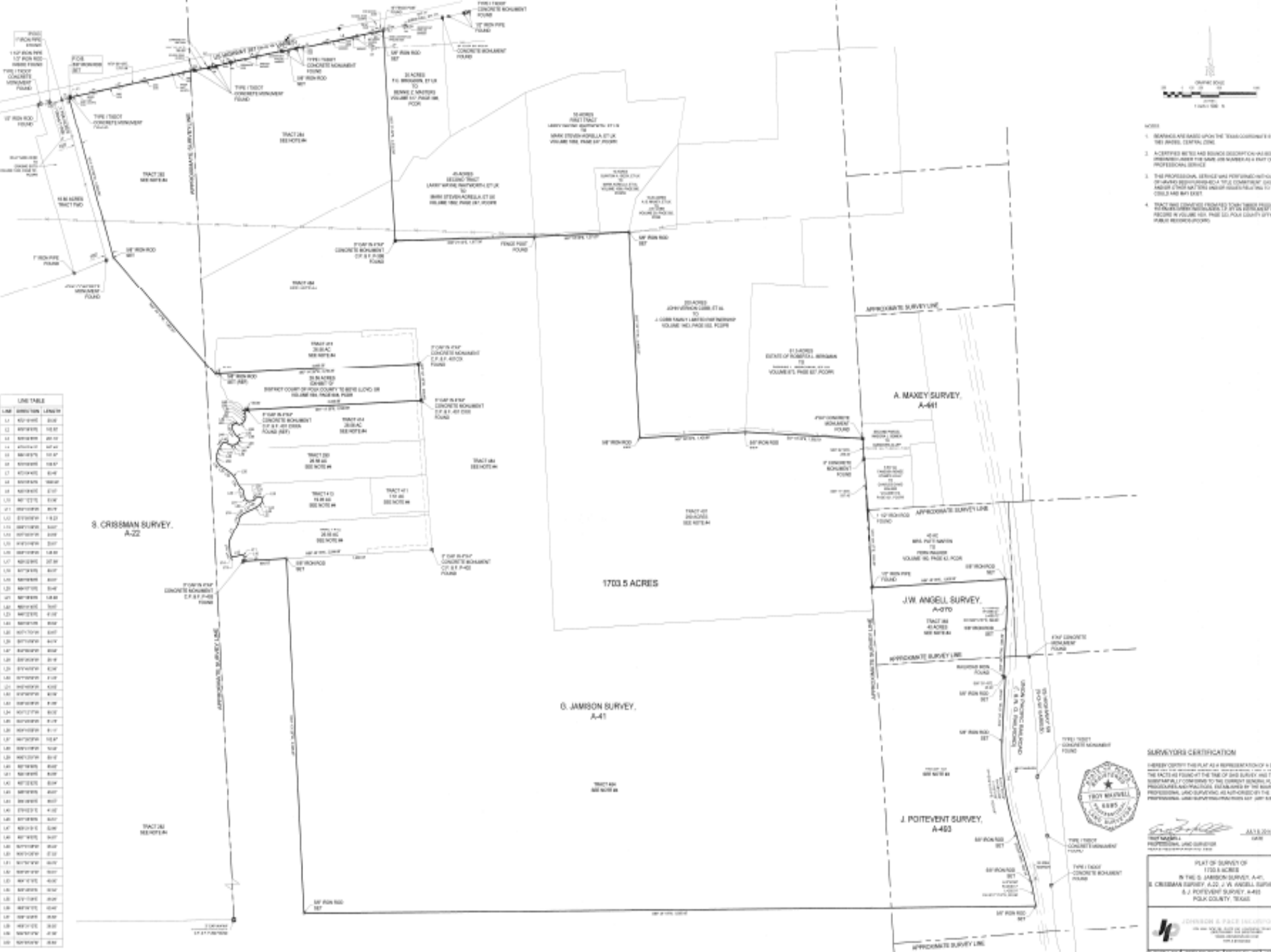
\*Manufactured home production totaled 60,300 in 2013, 64,300 in 2014, and 70,500 in 2015.





- NOTES
1. MEASUREMENTS ARE BASED UPON THE TRANSFER OF THE SURVEY TO THE SURVEYED PROPERTY.
  2. ALL MEASUREMENTS ARE BASED UPON THE SURVEYED PROPERTY AND ARE NOT TO BE CONSIDERED AS A PART OF THE SURVEY.
  3. THE PROFESSIONAL SURVEYOR HAS PERFORMED THE SURVEY AND HAS FOUND THAT THE SURVEYED PROPERTY IS IN ACCORDANCE WITH THE SURVEY AND HAS FOUND THAT THE SURVEYED PROPERTY IS IN ACCORDANCE WITH THE SURVEY AND HAS FOUND THAT THE SURVEYED PROPERTY IS IN ACCORDANCE WITH THE SURVEY.
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LINE TABLE	
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L97	401.000
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L99	401.000
L100	401.000



**SURVEYORS CERTIFICATION**

I HEREBY CERTIFY THIS PLAN AS A REPRESENTATION OF A SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT I AM A LICENSED SURVEYOR IN THE STATE OF TEXAS AND THAT I AM A LICENSED SURVEYOR IN THE STATE OF TEXAS AND THAT I AM A LICENSED SURVEYOR IN THE STATE OF TEXAS.

TROY BARNWELL  
PROFESSIONAL LAND SURVEYOR  
No. 4895

JUL 2 2014  
DATE

PLAN OF SURVEY OF  
1703.5 ACRES  
IN THE S. CRISSMAN SURVEY, A-22,  
G. JAMISON SURVEY, A-41,  
A. MAXEY SURVEY, A-411,  
J.W. ANGELO SURVEY, A-470,  
J. POITEVENT SURVEY, A-483  
POLK COUNTY, TEXAS

JOHNSON & PACES LAND CONSULTANT  
1000 W. 10TH ST. SUITE 200  
DALLAS, TEXAS 75201  
PHONE: 214.760.1000  
WWW.JPACELANDCONSULTANT.COM



**OVERALL SITE LAYOUT**  
SCALE: 1" = 500'  
THIS REVISION SHOWS PLANT LAYOUT 190225-01 REV 'L'.

- NOTE:
1. TOPOGRAPHIC INFORMATION SHOWN WAS DERIVED FROM GLOBAL MAPPER AERIAL PHOTOGRAPHS, DATED 2013.
  2. FEMA FLOOD PLAIN INFORMATION FROM FEMA FIRM NUMBER 48370325C, DATED SEPTEMBER 3, 2010.

**LEGEND**

- REPRESENTS "WATERS OF THE STATE"
- REPRESENTS "WETLANDS"
- REPRESENTS FEMA FLOOD PLANE

AS PROVIDED BY CH ASSOCIATES  
DATED 03/11/2015

THESE ARE PERMITTED AREAS, DO NOT REMOVE TIMBER OR PERFORM ANY CLEARING IN THESE AREAS UNTIL A PERMIT IS RECEIVED.



IFC - ISSUED FOR CONSTRUCTION  
Corrigan OSB, L.L.C.  
Corrigan, Texas

T10101-01  
7

OSB-3  
OVERALL SITE LAYOUT

NO.	DATE	DESCRIPTION
7	08/23/15	ADDED WETLAND JURISDICTION POLYLINE IFC

JOHNSON & PACE INCORPORATED  
10000 W. HIGHTWAY 100, SUITE 100  
DALLAS, TEXAS 75243  
TEL: 972.382.1000  
WWW.JPINC.COM

**JP**





# Permits & Approvals



- **Air:** New Source Review; Title V; PSD
- **Water:** Storm water Construction; MSG
- **Waste Water:** City of Corrigan
- **Wetlands/WOTUS:** Sec 404
- **Waste:** Wood waste landfill
- **Endangered Species Review**
- **Weight Scale Permits**
- **APA Compliance**
- **Underground aquifer (for taxing water)**
- **Many other "Reviews"**















**JOHNSON  
& PACE**  
INCORPORATED



3131 Market Street ➤ Green Bay, WI 54304  
P: 920.336.0781 F: 920.336.0792  
[www.voselectric.com](http://www.voselectric.com)



# Major Equipment Suppliers



- Andritz
- Kadant
- IMAL/PAL
- TSI
- BMW-Meg Tec
- Coil
- Rockwell
- Dieffenbacher
- Convey-Keystone
- AirCon
- Mill Power
- Continental Conveyor
- Clarke's
- Toshiba
- G.E.
- Kimwood
- PreTec
- Signode
- Thayer



# For Each Supplier

- A detailed book on all maintenance & operational issues we had from 2007-2015
  - Engineering Review & Solutions to Opportunities
  - A very detailed contract incorporating all changes
  - Monthly Engineering Reviews
  - QC/QA inspections prior to shipment
- 



