



The Chambers Connection

Chambers Construction

Volume 3 Issue 4

July 2018

•BUILDING WHAT'S IMPORTANT IN PEOPLES' LIVES•



Chinook Winds Casino Resort Parking Garage Crew-
Jon McCoy

Kendall Ford of Eugene Crew-
Ryan Briggs, Jacob Clark, Levi Connelly, Horacio Garcia, Aaron Hamrick, Mark Harrington, Ron Hartman, Adam Hastings, Shawn Hussey, Anthony Johnson, Todd Keffer, Paul LaRose, Jason Londo, Todd McNally, Izayah Moriguchi, John Peters, Steven Serjeant, Ken Smith, John Tejada, Leroy Wyant

Northern Gold Foods Crew-
Darren Babcock, Ryan Briggs, Gina Fernandes, Horacio Garcia, Aaron Hamrick, Breck Hosford, Anthony Johnson, Ron Miner, John Peters, Ken Smith, KC Taylor, John Tejada, Shawn Tull, Pat Waldynski

APEL Extrusions— Coburg Expansion Crew-
Jon Baugus, Horacio Garcia, Mike Hogenson, Breck Hosford, Todd Keffer, Paul LaRose, Ron Miner, John Peters, John Roe, Steven Serjeant, Shawn Tull

Heartfelt Guest House Crew-
Jacob Clark, Levi Connelly, Nathan Farrell, Horacio Garcia, Tim Jacobs, Paul LaRose, Ron Miner, John Roe, Steven Serjeant, Shawn Tull, Gregg Wallsmith

Silver Falls Dermatology TI Crew-
Jacob Clark, Joe Hartsock, Adam Hastings, Mike Hogenson, Shawn Hussey, Paul LaRose, Darell Stinson

Jerry's Springfield Fenced Yard Center
-Starts in August

Chambers Media Re-Roof
-Starts in August

Willamette Valley R & D
-Starts in August

President's Message



Dave Bakke, President

“Training, Teaching, Mentoring”

“We can't find qualified help,” we hear it every day, from every trade, and not just from construction companies.

I meet every six months with a group of contractors that are based around the country. They are all having the same issue; can't find qualified help. The shortage of trained individuals entering our trade is truly an epidemic across the country.

Whether we like it or not the responsibility to train the next generation lies with us. This isn't only with the efforts being put forth for recruiting out of

the high schools but seeking out individuals that want to work, want to learn and have the acumen for construction. Finding those individuals is a challenge. When we find them, we need to take full advantage and continue to train, teach and mentor.

I understand everyone is busy, especially the superintendents and foreman onsite. The reality is the supers and foreman are the ones that need to do the training.

I think back to when I started with Chambers. I had the honor to work with a gentleman named Glen Heistand; some of you knew him. We were having our morning break. We had been tying rebar all morning and I had no clue what I was doing. I think that was when Jon McCoy yelled at me. So, I asked Glen to show me how to tie rebar. He looked at me like I was crazy and basically wondered why I was on the crew. But, he said “even though you're from Arizona I'll show you, I don't like guys from Arizona.” I thought, “that is just awesome.” He spent the next

two hours showing me the tricks. Keep in mind he was running one of the largest projects Chambers had going but he stopped everything to train me. Those two hours made me a better carpenter, and quite honestly kept me working. Jon still yelled at me a few more times though.

I implore all of you to take the time to train, teach and mentor. Complaining about not having qualified help is not the answer. We have literally hundreds of years of wisdom at our disposal that can be shared. The older guys can learn from the young guns too and the elder statesmen have tons of knowledge to share. What a great way to live up to our core value, “Find the time and create opportunities to help each other.”

So please, “**train, teach, mentor**” and be willing to be “**trained, taught, mentored**”

Thank you again for all you do; and “Go Chambers!”

• Build long-term relationships before short-term gains • Build it like you own it

• Stay positive: play to win-win • Be a teammate: communicate and act to build respectful and trusting relationships

• Find the time and create opportunities to help each other • Be a problem solver, bring solutions daily •

CHAMBERS ANNUAL BBQ PICNIC
August 4, 2018

Jasper Park
Catered Picnic,
Music,
Fun for all!

BBQ

PLEASE RSVP!

Chambers Construction

36,275

HOURS WORKED WITHOUT INJURY OR INCIDENT

6/30/18

Employee Spotlight

Mike Hogenson...



Mike has been with Chambers for over 18 years and is a carpenter. He specializes in finish work, such as doors and hardware. It is not uncommon for Mike to work on several different projects in one day. He likes the variety and moving around. He

credits his skill to learning from former Chamber's employees; Randall White, Carl Turner and Darell Stinson, to name a few. He really enjoys his work and seeing the own-

er or architect thrilled that the project has turned out exactly as they had envisioned it.

Mike is originally from Medford but now lives in Eugene with his wife. They were recently married on June 1st. He has two adult daughters, a grandson and two stepsons. He enjoys muscle cars, going to the gym, he is an avid Duck fan and loves basketball and football, the outdoors - camping and especially kayak fishing. He takes his black lab with him whenever he can. He is planning his dream vacation to Ireland in the next couple of years and is excited to see the castles and historic buildings there.

Mike says that "Chambers is a great company to work for and has been really good to me. I really like the guys I work with."

Gina Fernandes...

Gina has joined the Chamber's team as a carpenter and is currently working at the Northern Gold Foods project. She has about 15 years of experience in the construction industry and specializes in working with concrete. This is the largest construction site she has worked on and she loves that it is fast paced, everyone is willing to help out and there is great leadership on the site.

Doug Sullivan has mentioned that "she is assimilating to the Chambers way quickly and is an asset to our pool of carpenters. She gets along well with the crew and has a positive attitude. Gina can certainly hold her own."

Gina moved to this area 5 years ago and has recently been working in the medical field and passed the Fire Paramedic Academy. She loves anything outdoors especially hiking around waterfalls. She has two adult children and is now a grandma. She is looking forward to golfing with the guys and when football season is here she will be cheering for the 49'ers.

Welcome Gina!



Carpenters Wanted



Any employee who refers an applicant receives a \$.50/hour increase when the employee is hired for as long as they stay employed with us up to one year. That equates to a \$1,000 employee referral fee for new hires who stay for a year or longer. Please direct experienced carpenters to our website to apply. Tell them to check the employee referral box and fill in your name. You can also let Stacy Ivey, Frank Travis or Scot Moore know of your referral.

Employee Spotlight

Introducing Sarah Focht...



Sarah has joined our estimating division. Her 25+ years in the industry includes work for both architecture firms and general contractors. She comes to Chambers excited to work on not only large-scale projects, but also on the diversity of work we do year in and year out.

Sarah's experience includes the past 10 years in the Eugene market where she recently estimated and helped manage the construction of the Kappa Alpha Theta sorority at the UO, the 1455 Mill Street Apartments

and multiple OMG clinics. Prior to working in Oregon, Sarah worked in the San Francisco Bay Area.

Sarah approaches her work in estimating by listing initial questions found in the first reading of the project specifications and plans and then reviews the details to begin to establish the answers needed to create a thorough estimate. The team approach at Chambers has proven to be an efficient way to work through a project plan set and prepare jobs for bidding.

When not at work, Sarah relaxes on a four-acre property managing a boarding kennel for dogs with her boyfriend Mike, two of their three boys and three (big!) dogs of their own. She enjoys being outdoors, reading lots and hiking. Sarah also enjoys traveling and has visited Paris, London, Alaska, New York City and Ireland. Welcome Sarah Focht (rhymes with brioche).

Supporting the Future Workforce...

While it is well known we have an apprenticeship program and are actively recruiting young men and women into the industry, we have also had many young people work in the office. Summers are busier and many employees take vacation, adding to the challenge to keep up. Hiring students for the summer and Christmas breaks has been a win-win for the students and the company!

Many have been children of employees and some have come from their referral of friends to us. Most have been trained at the front desk by Tana Baker on the phones, greeting the public, filing, faxes, email, using Word and Excel, and to fill in for others on vacation.

Jill Ivie (now married and an insurance admin) was the first hired in 2000 followed by Brooke Wilberger (deceased), Denege Dickason, Jessica Brumble (married, a veteran and a bookkeeper), Ashley Ficek, Madison Hilles

(married and a school teacher), Rachel Bakke (an editor), and Katelyn Erickson (getting her degree in sociology.)

Others have helped on special projects like Jayden Travis (attending LLC for nursing) and Andrea Corbin who assisted in marketing.

Brianne Ivey (married and a dietician) worked several summers in accounting.

Amanda Hoffman assisted in gathering all the physical records we had stored in 3 locations, organizing and re-labeling them for archives upstairs in our current office. Records were spread on tables taking up half the warehouse during that process!

Emery Hilles (married with a doctorate in occupational therapy), while an English major in college, re-wrote many of our marketing messages.

Kenyan Hansen (now with Jerry's) and Amber Keffer assisted in scanning all the records

Amanda Hoffman had archived physically plus the records obtained since then.



Amber Keffer

Amber continues with us, doing many different projects. Her latest is working on custom training videos that will be available soon to employees on BirdDog. She is a student at the University of Oregon with a major in anthropology.

We are proud of all the work these young people have performed for us and grateful for the opportunity to be the first employment experience for many of them.

Gary Martin Celebration of Life



Gary's celebration of life will be on Sunday, July 29th at Ritner Creek Bridge in Monmouth at 11am.

Google maps will give you directions to this location at exit 228 on I-5.

So long as the
memory of
certain beloved
friends lives in
my heart, I shall
say that life is
good.

Helen Keller

Employee Spotlight



Doug Sullivan, Northern Gold Foods



Jason Londo, APEL



Ron Miner, Leroy Wyant, Jason Londo, Steven Serjeant, APEL



Paul LaRose & Joe Huff, Pape' Corp



Ryan Briggs, Northern Gold Foods



Ron Hartman & Ken Smith, Kendall Ford



Gina Fernandes & Darren Babcock, Northern Gold Foods



Aaron Whitney, Theta Chi

Employee Spotlight



Darell Stinson & Erin Lawrence at the mud run.



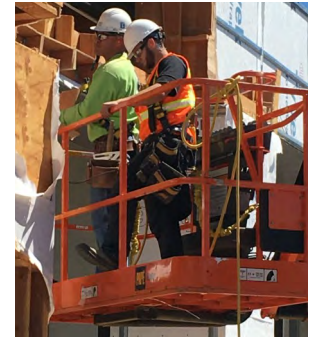
Darell Stinson, Erin Lawrence, Kim Cailteux, Kim Hutchens with friends and family at the mud run.



APEL, West addition



First day of precast, Northern Gold Foods



Aaron Hamrick & Izayah Moriguchi, Kendall Ford



Slab Pour at Heartfelt Guest House

August/September Anniversaries

Jack Makarchek	33
Jon McCoy	29
Jerry Barr	21
Scot Moore	18
Stacy Ivey	18
Cassandra Dare	4
Todd McNally	3
Adam Hastings	3
Jenna North	2
Aaron Hamrick	1
Ken Smith	1
John Tejeda	1
Ben Trefethen	1

Birthdays

Jason Londo	8/3
Nathan Farrell	8/3
Mark Harrington	8/18
Patrick Waldynski	8/23
Pam Hansen	8/27
Gregg Wallsmith	9/11
Sarah Focht	9/13
Peggy Burian	9/17
Ken Smith	9/23
Aaron Whitney	9/27

Employee Spotlight

Wellness Employee Spotlight

Ken Smith...



A big thank you to the Chambers Wellness committee and Chambers Construction for creating the opportunity to play a great round of disc golf at Dexter state park!

On June 23rd I joined some fellow coworkers and other disc golf enthusiasts at the second annual Tate Johnson Memorial Disk Golf Tournament! This was a great event hosted by Serenity Lane and sponsored by Chambers Construction, Columbia Bank, and Coconut Bliss.

I have enjoyed Frisbee golf for a long time. Over the years I have played in several tournaments from Albany to Medford. This round we played was one of my best at Dexter Lake. My partner and I finished the game at one over par! This was a great way to spend a Saturday. A special thanks to Doug Sullivan for the family BBQ by the lake.

Come join the Wellness Committee . We will now be meeting at lunch time, once a month on Fridays. Your input and involvement is valued and we will provide lunch and other fun incentives. Email Erin erlawrence@chambers-gc.com for more info or to reserve your spot.

“If you haven’t had the opportunity to try your hand at disk golf I highly recommend you buy a disk and get out there.”
-Ken Smith



Debi Creager, KC Taylor, Isaac Zornes, Ken Smith, Shawn Hussey & Ryan Briggs with friends and family.

Upcoming Wellness Monthly Events—August



Blackberry Bramble

Benefitting You and Your Family

Date: Sunday August 5th, 2018

Event Schedule: Varies on Course

Location: Amazon Park - Eugene, OR

*COME RIDE WITH YOUR FAMILY
ROUTES FROM 5 TO 100 MILES AVAILABLE
MULTIPLE SNACK/WATER STOPS ALONG THE COURSE
BLACKBERRY PIE AND ICE CREAM AT THE FINISH
BREAKFAST, DINNER, MASSAGE, AND PRIZES TOO
CHILDRENS ACTIVITIES AND SWIMMING AT AMAZON*



Silvan Ridge Twilight 5k

Benefitting Jane Higdon Foundation

Date: Saturday August 18th, 2018

Event Schedule: 6 p.m.

Location: Silvan Ridge Winery - Eugene, OR

*5K WALK/RUN
FAMILY FRIENDLY
OUTDOOR CONCERT
FOOD, WINE, & BEER
POOL AFTERWARDS*

TO REGISTER OR HAVE QUESTIONS EMAIL

wellness@chambers-gc.com



Act and Survive

Act and Survive

This is part 3 of a series on active shooters. In the first 2 parts we determined the appropriate strategy is to RUN HIDE FIGHT in an active shooter event. In this part we will look at the FIGHT.

Why is it important to FIGHT?

40% of active shooter incidents end with the shooter committing suicide. The state of mind of most active shooters is to kill as many as possible and then themselves. **They have no empathy.** This means you must have the state of mind to survive – no matter what it takes. They are not going to show any mercy, negotiate, hear reason, respond to pleas to spare your life or be talked down. **If you want to live – you must make that happen.**

50% of active shooter incidents end by physical force. Most active shooter events end before police arrive. This means the physical force came from one or more of the potential victims. Action is imperative, do not hesitate. Remember, in incidents where duration could be ascertained, 70% ended in 5 minutes or less. You may only have 5 minutes to save your own life.

About physical force...ATTACK

You must attack with physical aggression if you want to survive. They have no empathy – it's attack them or be killed by them.

- Don't fight fair. Aim for the eyes, groin, head, etc.
- Incapacitate the shooter

Use improvised weapons

- Fire extinguishers
- Chairs
- Hot liquids
- Hard objects (stapler in a shirt to swing at them)

Know your weapons.

They will be armed. Know your weapons if only to be smart about surviving.

Handguns

Pistol Semi Auto (5-30 rounds)



Revolver (5-6 rounds)



Long guns

Bolt Action (4-5 rounds)



Semi-Auto (5-30 rounds or more)



Shotguns

Semi-Auto or Pump Action (4-5 rounds)



Disarming Shooter

Pistols

- Try to grab top of gun (rail) or cylinder on revolver
- When gun fires it will not cycle properly and cause a jam. This creates opportunity.

Long gun

- Control apex (rather than barrel) of gun
- Barrel will be hot
- Place arm over muzzle and pull close to you, putting muzzle behind you.

Become familiar with weapons. Practice controlling them. Ask local law enforcement for assistance in getting training. Under pressure, when we have no time to delay, we will default to our level of training. Be prepared!

Police mission upon their arrival.

The police are there to stop the shooter, not aid the wounded. You may be held or treated as suspect until they determine what is going on. Do not leave without permission.

Remain calm, follow instructions, keep hands empty, raise hands and spread fingers, keep hands visible, avoid quick movements. Proceed in the direction from which officers came.



Be prepared:

- Know at least 2 evacuation routes
- Identify safe haven areas
- Post evacuation routes in conspicuous locations
- DO NOT post safe haven locations
- Include local law enforcement during training exercises

In Conclusion.

Active shooters are indiscriminate in who they kill. Have a plan, train your plan, execute your plan. Under stress you will act to your level of training and preparedness. Be fearless; it's you or the shooter. Don't be a victim. Act and survive!

Butler -44 Years & Still Going Strong

In 1974 Chambers Construction became a Butler Builder and began what is known as one of the best manufacturer/builder relationships in our region. The partnership continues to thrive to this day.

Since 1974 Chambers has built and sold over \$40 million in Butler products.

With a new marketing strategy, we are very optimistic about continued strong Butler sales.

With Butler's innovative design ideas, and Chambers Construction's ability to make these ideas a reality for our clients, the future looks very bright indeed.



Laying the Right Foundation



It is important to lay the right foundation for a project. Foundations provide support for structures, transferring their load to layers of soil or rock that have sufficient bearing capacity and suitable settlement characteristics. There are a wide range of foundation types suitable for different applications,

depending on considerations such as:

- The nature of the load requiring support
- Ground conditions
- The presence of water
- Accessibility
- Sensitivity to noise and vibration
- Proximity to other structures
- Project time frames

Very broadly, foundations can be categorized as deep foundations or shallow foundations.

A shallow foundation is a type of building foundation that transfers building loads to the earth very near to the surface, rather than to a subsurface layer or a range of depths as does a deep foundation. Shallow foundations include mat-slab foundations, slab-on-grade foundations and pad foundations.

Mat-slab foundations distribute heavy column and wall loads across the entire building area and can be constructed near the ground surface. In high-rise buildings, mat-slab foundations can be several yards thick with extensive reinforcing to ensure relatively uniform load transfer.



Slab-on-grade or floating slab foundations are a structural engineering practice whereby the concrete slab that is to serve as the foundation for the structure is formed from a mold set into the ground. The concrete is then placed into the mold, leaving no space between the ground and the structure. This type of construction is most often seen in warmer climates, where ground freezing and thawing is less of a concern and where there is no need for heat ducting underneath the floor.

Pad foundations are generally shallow foundations but can be deep

depending on the ground conditions. They are a form of spread foundation formed by rectangular, square, or sometimes circular concrete pads that support localized single-point loads such as structural columns, groups of columns or framed structures. The load is then spread by the pad to the bearing layer of soil or rock below. They can also be used to support ground beams.

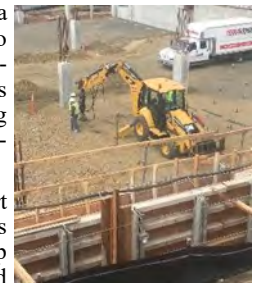
A deep foundation is a type of foundation that transfers building loads to the earth farther down from the surface than a shallow foundation. A pile or piling is a vertical structural element of a deep foundation, driven or drilled deep into the ground at the building site. A deep foundation might be the best choice for large design loads, poor soils at shallow depths or site constraints like property lines. A few



different names engineers use to classify deep footings are Caissons, Geo-piers, and Impact driven piles.

Caissons are watertight retaining structures used in foundations where water is present. They are constructed so that water can be pumped out, keeping the environment dry. To install a caisson in place, it is brought down through soft mud until a suitable foundation material is encountered. While bedrock is preferred, a stable, hard mud is sometimes used when bedrock is too deep.

Geopiers are stiff rock columns drilled deep into the earth's surface, down to a hard non yielding depth. They are used to support a building foundation and reinforce the soil when the existing ground is unstable, wet or unsuitable for building construction. We are currently using geopiers at Chinook Winds.



Driven piles are commonly used to support buildings, tanks, towers, walls and bridges and can be the most cost-effective deep foundation solution. They can also be used in applications such as embankments and retaining walls.

These modern types of foundations are the finest in concrete construction. They allow us to lay the right foundation for every commercial project.

July & August are Social Wellness Months

Celebrate Social Wellness Month by nurturing your social relationships. Volunteer with a group. Call an out-of-state friend. Join a hiking club. Get involved in your Company's Wellness Program.

Social wellness means nurturing yourself and your relationships.

It means giving and receiving social support - ensuring that you have friends and other people, including family, to turn to in times of need or crisis to give you a broader focus and positive self-image.

Social support enhances quality of life and provides a buffer against adverse life events. Social support can take different forms:

- **Emotional** support refers to the actions people take to make someone else feel cared for.
- **Instrumental** support refers to the physical, such as money and housekeeping.
- **Informational** support means providing information to help someone.

Why is Social Wellness Important?

Healthy relationships are a vital component of health. The health risks from being alone or isolated in one's life are comparable to the risks associated with cigarette smoking, high blood pressure and obesity.

Research shows that:

- People who have a strong social network tend to live longer.
- The heart and blood pressure of people with healthy relationships respond better to stress.
- Strong social networks are associated with a healthier endocrine system and healthier cardiovascular function.
- Healthy social networks enhance the immune system's ability to fight off infectious diseases.

Nurture Your Relationships

The following concepts are instrumental in attaining a healthy and lasting relationship.

- 1. Become a master of commitment.** It's important to be aware of precisely what you are committing to, so that you can realistically judge whether or not you have the capacity to follow through on the commitment.
- 2. Make commitments you can stand by.** In a relationship, it is important to be honest and empathetic to each other's feelings, hopes, and dreams.
- 3. Break the cycle of blame and criticism.** It is important to own your part in the relationship dynamics.
- 4. It's helpful to shift attention away from "fixing the other person" and on to more creative expressions for resolving conflict.** Shifting the focus in this way will help to inject more positive energy into the relationship.
- 5. Become a master of verbal and nonverbal appreciation.** Showing appreciation of others is critical to healthy relationships.

How Can I Grow My Social Network?

Work out. Joining a gym or an exercise group allows you to meet new people while exercising.

Take a walk with your pet. Starting a walking routine after dinner would not only give you another opportunity to be physically active, but it would also create more opportunities for you to meet your neighbors.

Volunteer. Donate some of your time and hard work to a charity. You'll feel good about the cause, and you'll meet others with similar passions.

Find others who share a hobby, such as hiking, painting, scrapbooking, running, etc.

There are countless ways to grow your social network. Consider your interests and hobbies, and then pursue them. You're bound to find others with similar passions.



?? Trivia Drawing ??

The last trivia question had several employees submitting guesses, Steven Serjeant's name was drawn for the \$50.00 gift card.. The correct answer for what batter boards are used for is for the foundation work.

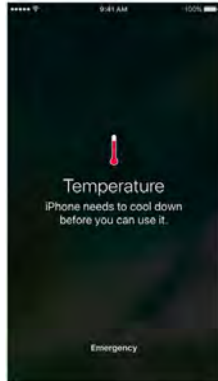
If you want to build a concrete pad 12" long x 20" wide x 7" thick, how many cubic yards of concrete will you need?

For a chance to win this time, correctly answer and contact Pam Hansen by August 15th at phansen@chambers-ge.com or call her at 541-868-8521 to be entered into a drawing for a \$50.00! gift card.

itb+ IT Bytes

With the hottest time of year now upon us, here are some important things to keep in mind with your electronic devices (phone, iPad, computer etc.). When devices get too warm (or too cold in the winter) they will not work. Being left in the heat will permanently reduce the battery life.

When your Apple device gets too hot, you may see the screen below. If you see this screen, turn off your device and move it to a cooler location. Once the device cools down (approximately 15 minutes) turn it back on and hopefully it will work as it should.



Hot Weather Tips:

- If you are not using your device (iPad or computer) turn it off to keep the temperature down.
- If you feel your device getting too

warm stop using it and move it to a cooler location.

- Do not leave your devices in your vehicle, especially on hot days.
- Do not leave your device in direct sunlight for long periods of time

Using certain features in hot conditions or direct sunlight for longer periods of time, such as GPS may cause the device to overheat and not function or not function correctly.

During extreme heat use your device in battery-saving mode (“Power Save”). Battery-saving mode will use the battery less and reduce battery heat. Keep in mind when using this mode mail fetch, Hey Siri, background app refresh, automatic downloads, and some visual effect are reduced or turned off. You can manual refresh these apps easily.

To turn on battery-saving mode on an Apple device...Go to Settings/Battery/Turn on Low Power Mode.



Small Projects Division Going Strong!



Our Small Projects Division, lead by Nancy Thornton and Shawn Hussey started in earnest in October 2017. Mid-

year 2018, they are surpassing initial goals. The work they have completed and in progress is a little over anticipated and they have \$1.5 million budgeted, waiting on owner acceptance/direction. Good job SPD!



Apprenticeship Class

Upcoming August Class

Date: TBD, August 2018 (Saturday)

Time: 7:00am-3:30pm

Topic: Safety – New Hires/Cut Backing

These classes are open to all Chamber’s employees and they will be paid for their time. Please contact Mark for more information.

mharrington@chambers-gc.com
or 541-972-0997



Nathan Farrell, apprentice, Heartfelt Guest House



Pavlo Prymonlenny, apprentice, Theta Chi



Project Spotlight

APEL

Employees Exemplify Core Values at APEL Extrusions

Rising demand and industry growth caused APEL Extrusions' need for expansion at their Coburg facility. APEL manufactures aluminum shapes in custom configurations for various industries throughout the US and Canada, used in windows, HVAC systems, RVs and ladders.

Chambers Construction's first project for APEL was renovating a building in the Coburg North Industrial Park in 2014. We modified a Butler metal building we previously constructed for Monaco Coach, adding foundations to accommodate APEL's equipment. The 110,000 sf structure now requires expansion to allow them to meet their customer demands.

APEL determined that they would need roughly 60,000 SF of added



manufacturing space to accommodate their new press and oven equipment. Working with PIVOT and APEL, Project Manager Chris Boyum and Butler Sales Division Manager Tony Rodriguez determined the best avenue for accommodating the expansion was at the south end and west side of the building. This approach would require the relocation of: the facility's primary loading dock, a cooling tower, a nitrogen tank, under-

ground utilities, a die/maintenance shop, staff locker/break rooms, and a caustic containment system - all while keeping the facility fully opera-



tional during construction. Design was completed in December 2017, and construction began in January 2018.

Shortly after construction began, APEL learned that their equipment would arrive on-site earlier than originally expected and decided that the 14-month construction schedule would need to be condensed to 10-months. Together with APEL, our Chambers' team found a way to expedite the schedule by reworking the phasing plan - allowing construction to occur in multiple areas at the same time.

In addition to the 60,000 sf metal building addition, the project involves a complete renovation of the 2-story, 10,800 sf, office space housed within the existing building. Superintendent Jason Londo is overseeing the phased construction project, with concurrent work currently taking place in the office space, South addition, and West addition. Jon Baugus is helping the team maintain schedule and quality, while currently directing the concrete work on the complex equipment foundations located in the West addition.

Sequencing for construction has accommodated owner space requirements every step of the way. Flexibility and subcontractor coordination

by Jason Londo and Jon Baugus have been crucial to project success. APEL has stated that throughout the 7-months of construction activities, involving numerous equipment relocations and utility shutdowns, they have yet to miss or delay a product order to one of their customers as a result of the project.

On May 17th, less than halfway through the project, Dave Bakke received a phone call from the owner saying, "Mike Flynn from Apel Extrusions calling. I just got off the project meeting call on our project out in Coburg you guys are doing for us. Just wanted to say how pleased I am with the progress, the team, the work - everything. It's a great situation to be in when you're so delighted with the way everything's going on. You probably don't get a lot of phone calls of delighted customers, so here's one. Just wanted to pass along my team and myself are grate-



ful for a good partner, a great partner, and certainly the work that Chambers is doing for us. Have a good day. All the best sir. Thanks."

Congratulations to Chris Boyum, Jason Londo, Jon Baugus, Scot Moore, Tony Rodriguez, Horacio Garcia, Breck Hosford, Todd Keffer, Paul LaRose, Ron Miner, John Peters, John Roe, Steven Serjeant, Shawn Tull and Leroy Wyant for the excellent job you are doing at Apel and for living the Chambers Core Values. Keep it up!

Mill Casino



Looking Back...

A pair of projects for the Mill Casino of North Bend started with a three-story hotel addition in 2000. The wood framed structure added a convention center and 115 guest rooms to the casino on the north end of Coos Bay. The hotel construction featured a port cochere and new lobby/reception area to greet visitors. It

was built using exposed log supports and was constructed by Chambers' skilled craftsmen. Our crews had to manufacture the port cochere trusses to match design elements of the existing, connected casino.

The second contract at Mill Casino consisted of a new, seven-story, 92-room tower built in 2007. The new building's 100,000 sf structure is post-tensioned concrete with masonry, wood accent, and glass exterior envelope. The building sits atop 75-foot deep piles that were driven into the bay and ground area.

During this critical soil stabilization design for the hotel expansion, it was determined that the original designed depth of the piling system was inadequate. Pat Duerr, found an economical solution quickly, that didn't delay the project. Pat teamed with the piling subcontractor, geotechnical engineer, structural engineer, and architect to resolve this challenge. They tested several methods at the edge of the Coos Bay site to determine the most efficient method, and even experimented with nonstandard piling methods. Through this process, they identified a better performing pile type and installation method for the project that also saved \$300,000 in project costs.

In addition to the 92 guest rooms, the owner added conference center space, banquet and meeting rooms, open atrium meeting areas, offices, and a large commercial warming kitchen. Sustainable design was incorporated in the mechanical and electrical systems, as well as in all the room finishes. Daylighting is used extensively throughout as another cost savings strategy for the resort.

On both projects, the site was crowded and posed constructability issues. As always with occupied sites, the safety concerns for patrons, staff, and construction workers was built into our team's entire approach to construction. The Mill Casino and Resort was a challenging project on the coast and at the edge of Coos Bay; but Chambers handled these adeptly using the right team for the job and an approach to the work design to bring the owner the greatest value.



3028 Judkins Road, #1 Eugene, OR 97403
Ph: 541-687-9445 Fax: 541-687-9451
www.ChambersConstruction.com CCB #114258

