

BURGESS

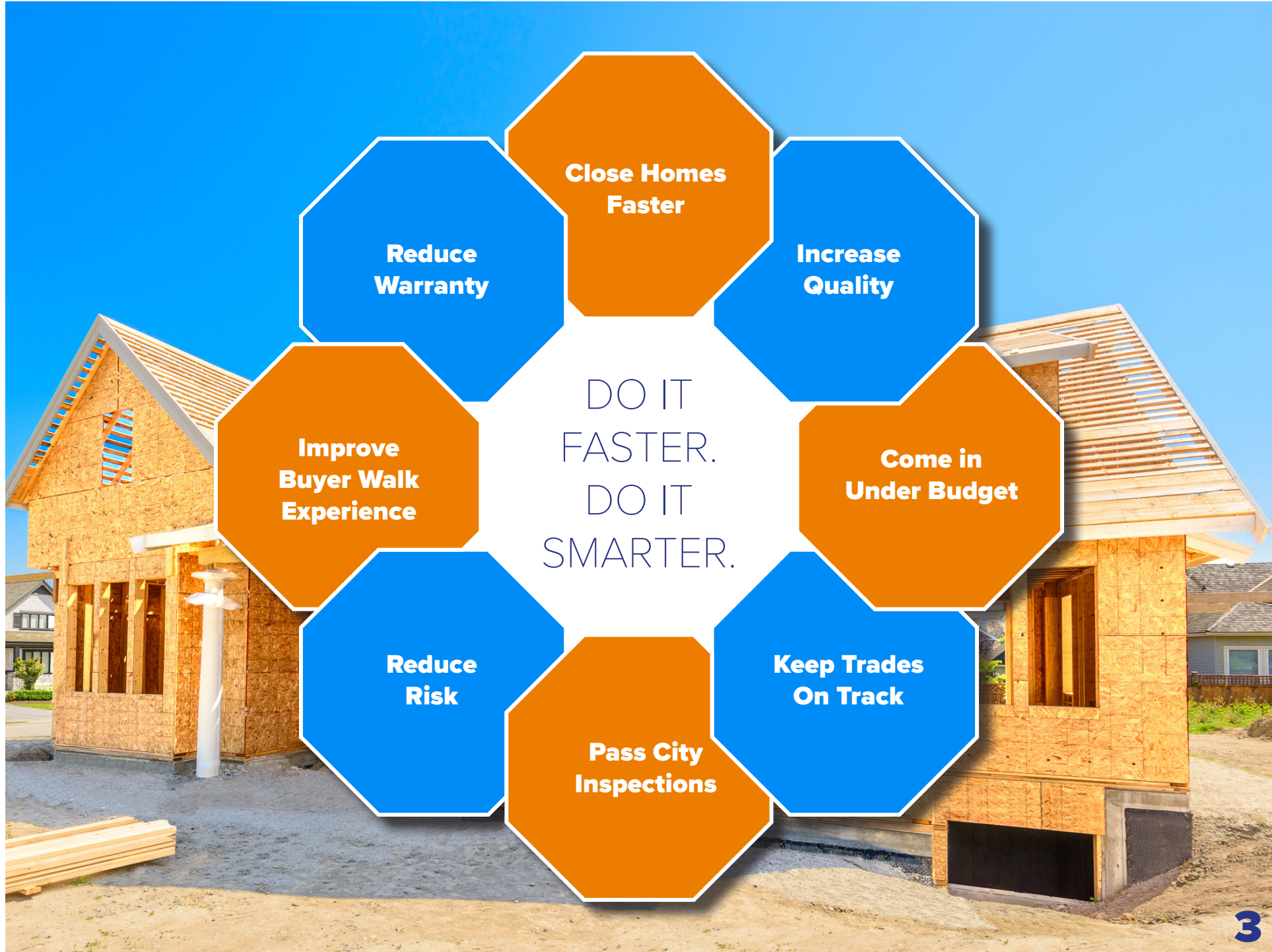
INSPECTIONS / ENERGY TESTING / ENGINEERING



SINGLE FAMILY SERVICES

BETTER BUILDING
STARTS HERE.

We were
Homebuilders.
**We lived the
challenges.**



DO IT
FASTER.
DO IT
SMARTER.

**Close Homes
Faster**

**Increase
Quality**

**Reduce
Warranty**

**Come in
Under Budget**

**Improve
Buyer Walk
Experience**

**Keep Trades
On Track**

**Reduce
Risk**

**Pass City
Inspections**

THE UNIFYING SOLUTION IS QUALITY ASSURANCE

Third-Party



Third-Party Quality Assurance is the bridge between your internal quality program and the city. It fills the gaps and allows builders to substantially mitigate the daily challenges of production homebuilding.

EXPERIENCE MATTERS

“

The improved, consistent quality of our homes exceeded our expectation. The Burgess Team formed a strong partnership alliance with our production team which developed into a positive learning tool of Quality Assurance that began at the slab and carried through to final completion inspections.

David Weekley Homes

”

HIGHLAND
HOMES

Toll Brothers
AMERICA'S LUXURY HOME BUILDER®

D·R·HORTON
America's Builder

RICHMOND
AMERICAN HOMES

David Weekley Homes

LGI
HOMES

Shea
HOMES

taylor morrison
Homes Inspired by You

LENNAR®

MeritageHomes®

AW
ASHTON WOODS™

KJ Jovnanian
Homes

CENTURY
Complete

PERRY HOMES

GREEN BRICK
PARTNERS

TRI Pointe

OUR PROVEN PROCESS

35+ Years in the Making

1. EVALUATE

We walk your product, learn your pain points and zero in on the areas of greatest concern.

3. ROLL OUT

We introduce the program to every stakeholder. No stone is left unturned or question unanswered.

5. TRAIN

We use the data to offer free, targeted training - in the field and in the classroom.



2. CUSTOMIZE

We create a customized scope base upon our evaluation, as well as your direct feedback.

4. ANALYZE

As data is collected, we identify trends and ways to reduce construction errors and waste.

6. REWARD

As top performers are identified, our reward and recognition structure reinforces the pursuit of perfection.



Together they make your brand unique. We take the time to learn about your process before tailoring your unique solution.

ONE
SIZE
WON'T
FIT
ALL



Pain Points

What is your biggest headache? What has to be solved and solved now?



Site Walks

Show us. We'll walk the jobsite and perform a field analysis to gather a baseline.



Systems Evaluation

What products do you use? Are they working correctly? Are there inconsistencies?



Field Census

Challenges in the field may be different than the back office. We want to solve them all.

CONTINUALLY CUSTOMIZED

SCOPES & CHECKLISTS



INSPECTIONS FOR EVERY STAGE

Our **“stage ready”** approach to inspecting creates uniformity for field personnel. There aren’t any surprises. When the home is stage ready, we inspect it. It’s that easy. This approach also helps unify the trade partner relationship and the efforts needed to pass each stage - from Foundation to Final.



GEOTECHNICAL SERVICES

Soil Reports



These reports provide information on the subsurface conditions (soils underlying a subject property), groundwater conditions/considerations, factors to acknowledge during design and development, and recommendations for foundations and paving based on the soil conditions encountered during our investigation and drilling of soil borings.

Geotechnical Reviews



Review of previously completed geotechnical reports/information in conjunction with structural foundation plans to evaluate compliance with plans and specifications with regard to soil conditions/ recommendations.

Special Inspections



Those inspections called out in the approved plans, specifications, or by the governing City or Municipality as requiring "Special Inspection."

Construction Materials Testing



Providing "in construction" testing and inspection for compliance with project plans and specifications. Services include but are not limited to:

- Concrete/masonry testing
- Reinforcing steel (rebar)
- Foundation/footing Installation observation
- Building slab (pre-pour)
- Compaction testing
- Utility installation observation
- Compaction testing
- Subgrade treatment/improvement
- Structural steel inspections

STRUCTURAL ENGINEERING



Foundation Design

Our engineers possess experience performing structural design and calculations related to foundation engineering/design. The most common foundations our engineers design include:

- Conventional Reinforced Concrete Foundations
- Post-Tensioned Concrete Slab Foundations
- Pier and Beam Foundations
- Basement Foundations

Framing Design

Framing is the process of connecting building materials together to create a structure. A structure must be designed to withstand a number of forces that will be applied to it (i.e., gravity, wind, shear, seismic, etc.). Burgess Construction Consultants' engineers provide framing design for the above-grade structural systems and assemblies which consists of floors, walls, and roofs for wood and steel framed structures.

Shear Wall Design

Proper shear wall design is essential to the stability of a structure. A shear wall is a vertical element of a system that is designed to resist in-plane lateral forces, typically wind and seismic loads. Our shear wall design will provide locations of bracing required to keep structures from racking or twisting in response to wind and seismic loads.

Shear wall design is typically included in our overall framing design scope of services, but can be provided as a standalone service if requested.

Retaining Wall Design

Burgess provides structural design services to create retaining walls that can withstand the soil and water pressure conditions that impact your project. Our combined geotechnical and structural engineering background allows us to effectively assess site conditions and design gravity and reinforced retaining wall systems to provide structural support for your project.

Structural Inspection

Structural inspection is a critical aspect of all construction projects as it reinforces adherence to the structural design plans and details. Our engineers will visit the site during construction to ensure that the structural elements included in the design plans are being constructed/installed as designed.

ENERGY TESTING



Duct Leakage Testing

Blower Door Testing



Code Compliance



Insulation Inspection



Yes, we do that.

Energy Analysis

Energy Program Consulting
Plan Analysis
Energy Modeling
Value Engineering
Zero Energy Home Design

Testing & Inspections

Blower Door Testing
Duct Blaster Testing
Pre-Insulation Inspection
Final Inspection

Energy Administration

Utility Program Management
Program Certification
Energy Marketing Materials

But here's **why we're different.**

100%

Most programs require firms to QA 10% of a Rater's work - we QA 100%. That means any errors found won't impact you downstream

Same Day

When a home passes, we generate the report, register the home and print the energy label on the jobsite. When you're done, we're done.

10,000+

We certify more than 10,000 homes per year. Burgess Energy Services is one of the nation's largest energy rating firms.

Leader

We're certified in the major energy programs including Energy Code, HERS, Energy Star and more.

45L IRS TAX CREDITS

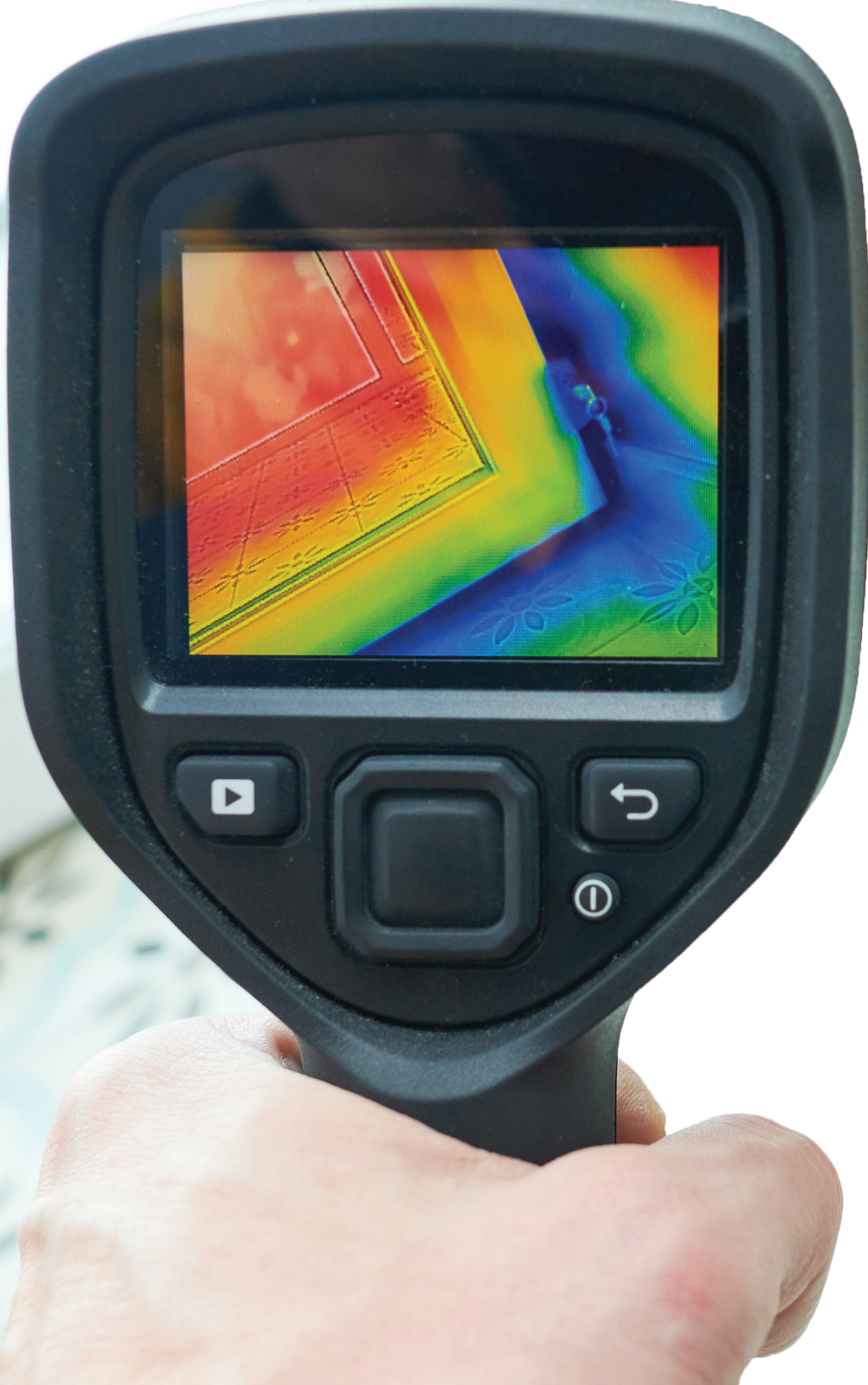
- \$2,000 for houses started prior to December 2022
- \$2,500 for houses started in 2023 for next 10 years
- Let us help you prepare for 2023

BURGESS

45L IRS TAX CREDIT

THERMOGRAPHY

YOUR INSPECTION SHOULD COVER THE WHOLE SPECTRUM.



DRONE SERVICE

Safe, smart, accurate.

Burgess FAA Certified Drone Pilots are your eyes in the sky, delivering stunning detail and data for the many stages of development and construction.



**ROOF
INSPECTIONS**



**ENVELOPE
INSPECTIONS**



**PROGRESS
PHOTOS**



**SITE
SURVEY**

WATER TESTING

ASTM E1105 WATER TESTING

The ASTM E 1105 is a standard procedure for determining the resistance to water penetration under uniform or cyclic static air pressure differences of installed exterior windows, skylights, curtain walls, and doors. The air-pressure differences acting across a building envelope vary greatly. This test is used to simulate wind driven rain.



BENEFITS OF WATER TESTING

- Helps establish a standard of quality and workmanship
- Locates factory defects
- Installation errors
- Flashing installation



WE PRIDE OURSELVES ON SEAMLESS PROGRAM IMPLEMENTATION



Superintendent Orientation



Sales Team Orientation

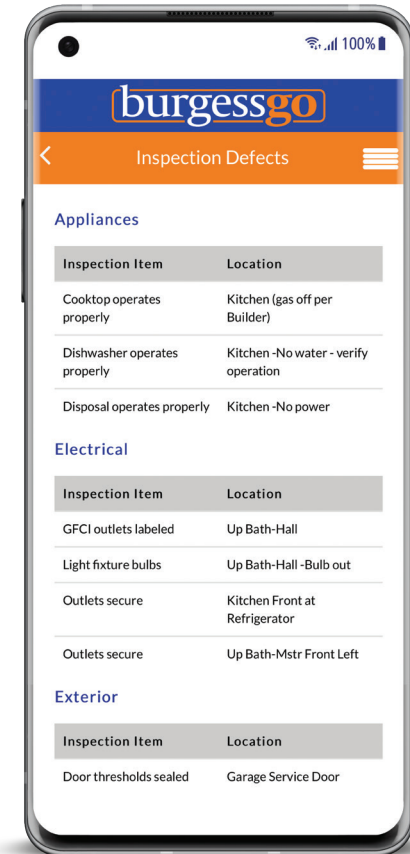
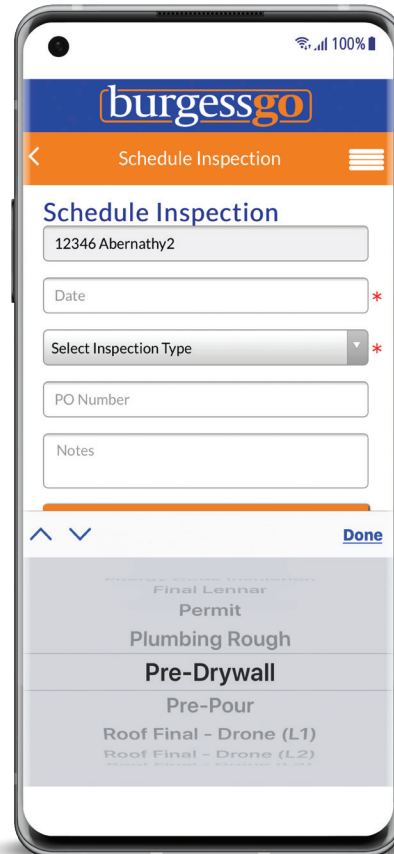
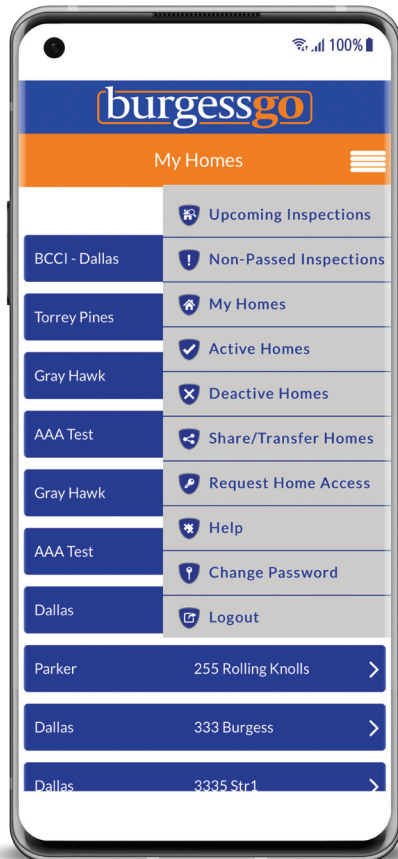


Inspection Management

STAGE	ACTIVITY	TIME
PRE-START	Current-State Evaluation	1 Week
	SOW Recommendation, Approval and Contracting	<1 Week
	List Customization	<1 Week
	Pre-Rollout	<1 Week
	Orientations	1 Week
POST-START	Inspections and Progress Status	2 Weeks
	Milestone Reviews	QTR/YR

burgessgo

Schedule inspections, view reports, email trades, and more. The burgessgo mobile app keeps superintendents moving, because construction never stops.



BURGESS ANALYTICS

1. We gather data during our inspections.
2. We store it in our database.
3. We provide you access.
4. **You gain insights** into your construction process.



1st Inspection Passing Rate

Strong builders learn how to pass the first inspection.



Avg. Defects - 12 Months

Consistency is the name of the game.



Non-Passed Inspections

If it's older than 7 days, it's costing builders money.



Inspection Attendance

An easy way to reduce errors is to attend the inspection.



- Production Statistics
- Superintendent Rankings
- Community Rankings
- Trade Partner Rankings
- Top 25 Defects
- Stage Completion Averages
- Custom Analysis Reports

ABC Home Builder - June 2016
DAYS TO STAGE MOVE
 Three Month Averages

● Excellent (0.25)
 ● Good (0.50)
 ● Fair (0.75)
 ● Poor (1.0)

Superintendent	Monthly Extra Respects	Monthly Not Ready	Energy		Pre-Drywall		Final	
			# of Passed Inspections	Avg Days to Complete	# of Passed Inspections	Avg Days to Complete	# of Passed Inspections	Avg Days to Complete
Adam Sans	1	0	2	0.00	4	1.3	1	9.0
Alex Hamilton	0	0	0	15.25	0	4	4	8.5
Brady Bonner	1	0	2	0.00	2	3.0	2	4.0
Cody Tilman	1	0	4	0.00	4	4.0	2	11.0
Garry Sanderson	0	0	0	0.00	2	1.0	0	0.0
Hayden Davis	1	0	4	0.50	6	4.7	1	16.0
Jeremy Clardy	1	0	12	3.67	6	4.5	5	12.8
Jeremy McAdams	1	0	0	0.00	1	7.0	0	0.0
Joe Olsten	7	0	9	10.44	7	6.8	3	5.3
Justin Bondu	5	4	4	10.25	2	1.0	3	16.3
Kate Rozan	0	0	17	2.82	3	16.0	8	6.5
Mark Overton	2	0	0	0.00	2	5.0	0	0.0
Mark Lindley	2	0	5	1.40	1	10.0	2	15.0
Nick Jackson	3	0	10	4.80	1	6.0	3	21.0
Tony Ross	0	0	4	4.25	1	45.0	2	2.5
William Diverstein	0	1	10	1.50	5	6.6	4	14.2
XCMA's	0	0	0	0.00	1	22.0	1	16.0
Totals	35	8	122	5.2	66	9.3	54	10.3

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ABC Home Builder - June 2016
SUPERINTENDENT RANKING
 Final Inspection Defects

● Excellent (0)
 ● Good (1)
 ● Fair (2)
 ● Poor (3)

Superintendent	1 Month Average Defects	February Average Defects	March Average Defects	April Average Defects	February Inspection Count	March Inspection Count	April Inspection Count	April Passes	April Not Ready Inspections	12 Month Average Defects	12 Month Trend
Rich Holmer	3.0	0.0	0.0	3.0	0	0	1	100%	0	9.9	
Sam Darr	0.0	0.0	0.0	0.0	2	1	1	0%	0	8.6	
James Hagan	0.0	0.0	0.0	0.0	3	2	0	0%	0	8.9	
James Stutz	3.0	0.0	2.0	3.0	0	1	1	100%	0	12.8	
Robert Parks	7.0	3.0	8.0	8.0	1	2	1	0%	0	9.1	
Mike Moore	7.0	12.0	8.0	2.0	1	2	1	0%	0	7.6	
Jeff Stevenson	8.0	7.0	9.0	4.0	1	2	1	0%	0	11.9	
David Norwalky	9.0	8.0	0.0	0.0	1	0	0	0%	0	9.8	
Tom Orr	9.0	8.0	8.0	8.0	0	1	1	0%	0	10.5	
Paul Skages	9.0	5.0	0.0	14.0	1	0	1	0%	0	13.6	
Don Olson	10.0	0.0	0.0	10.0	0	0	5	0%	0	11.6	
George Hamilton	12.0	9.0	23.0	0.0	1	1	1	0%	0	10.5	
Kon Morley	12.0	12.0	13.0	12.0	1	3	1	0%	0	12.8	
Steve Brundage	14.0	16.0	15.0	10.0	1	5	2	0%	0	15.2	
Ed Robinson	14.0	0.0	0.0	14.0	0	0	5	0%	0	16.0	
Jeffrey Jenkins	15.0	20.0	17.0	8.0	1	1	1	0%	0	11.3	
Larry Bortone	17.0	0.0	12.0	12.0	0	1	1	0%	0	15.8	
Brian Hochstetler	17.0	0.0	13.0	26.0	0	1	1	0%	0	12.3	
Total	18.5	6.6	13.7	10.8	14	23	24	8%	0	12.6	

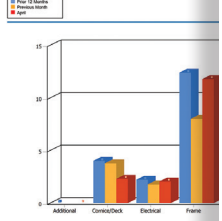
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ABC Home Builder - June 2016
RADE SUMMARY BY COMMUNITY

Inspection	Final Inspection Averages											
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
Absoval	0	0	0	0	0	0	0	0	0	0	0	0
ContraDeck	0	0	0	0	0	0	0	0	0	0	0	0
Electrical	0	0	0	0	0	0	0	0	0	0	0	0
Frame	0	0	0	0	0	0	0	0	0	0	0	0
Plumbing	0	0	0	0	0	0	0	0	0	0	0	0
Roofing	0	0	0	0	0	0	0	0	0	0	0	0
Structural	0	0	0	0	0	0	0	0	0	0	0	0
Windows	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0

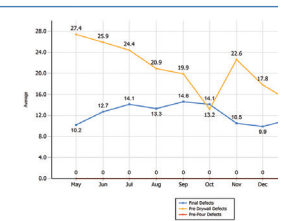
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TRADE HISTORY - PP



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ABC Home
AVERAGE DEFECTS FOR 1st TIME

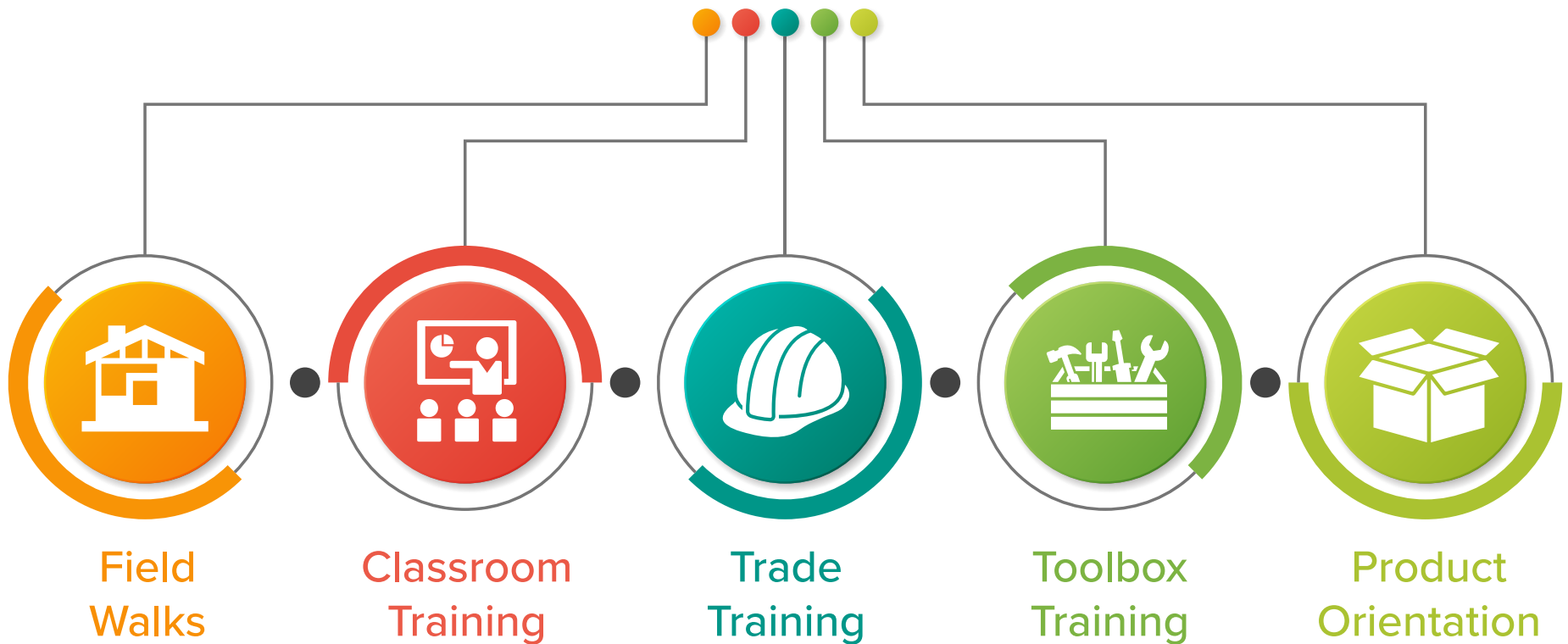


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We use your inspection data to identify **what is costing you time and money...**



...and then we offer **free training** on ways to mitigate both.



HARD WORK IS REWARDED

Building quality homes isn't easy. Your top performers deserve recognition. We not only analyze, **we recognize and reward.**



Quarterly awards for top 3 performing Builders in each market

**ALL-STAR
SLUGGER**

Home Run winners receive custom made Marucci bat awards to reward and recognize ZERO defect homes.

**HOME RUN
AWARD**

Annual award and trophy for the top performing Builder in each market.

**LEAGUE
MVP**

Annual award and trophy for the top manager in each market based on their superintendents rankings


**MANAGER OF
THE YEAR**

Top ten performers in their respective markets will be entered in a raffle to win a prize package for a regionally sponsored event.

**WALK-OFF
WINNER**

1 
1st Inspection Passing Rate
Strong builders learn how to pass the first inspection.


2 
Inspection Attendance
An easy way to reduce errors is to attend the inspection.

3 
Avg. Defects - 12 Months
Consistency is the name of the game.

4 
Avg. Defect Improvement
It's all about getting better over time and striving for perfect.

5 
Stage Ready Homes
If it's not stage ready then the home wasn't punched.

6 
Number of Inspections
It's not easy carrying a lot of homes and we get it.

7 
Non-Passed Inspections
If it's older than 7 days, it's costing builders money.

8 
Extra Re-Inspections
More than one re-inspect hurts the bottom line.

9 
Cancelled Inspections
Fewer cancels showcases strong scheduling ethic.

Builder Profile

Homes Per Year: 450
Superintendents: 19
Product Type: Single Family Detached
Inspection Scope: Pre-Drywall, Final

BUILDER SIGN-UP

Signed up with Burgess because warranty was getting out of hand and superintendents were too inexperienced in the overall building process.

MARCH 2021



1ST TRAINING

First Toolbox Training was completed on exterior penetrations and proper water-proofing. Superintendents and trades participated. Defects decreased marketwide by 54% the following month.

JULY 2021



JUNE 2021 INITIAL DATA

First available metrics were analyzed. Average defects were hovering around 18 for Pre-Drywall and 23 for Final.

burgessgo

A BUILDER'S SUCCESS STORY



AVERAGE REDUCTION

Average defects decrease across all Superintendents by 24% for Pre-Drywall and 31% for Final. Homeowner warranty claims decreased by 28% and homeowner satisfaction surveys increased by 19%.



MAR 2022

JAN 2022 1ST WINNER

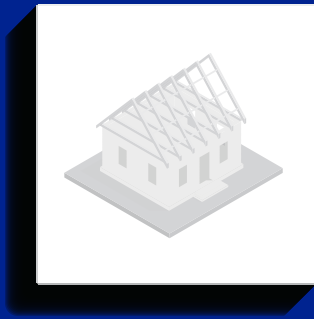
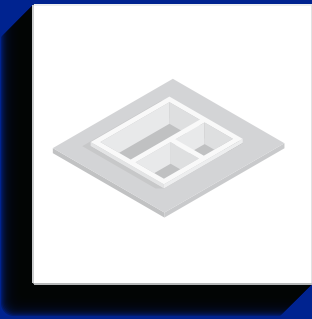
The first Home Run Bat was given to a Superintendent. Management began using Burgess Analysis Reports to bonus Superintendents, promote within, and negotiate trade contracts.



APR 2022 EXTRA BENEFITS

Builder reported employee turnover decreased by 35%. While not measurable, Builder also reported stronger trade partnerships and reliability.

FIND NOW OR SPEND LATER



**When it's good,
IT'S GREAT.**

- City inspections passed
- Homes closed on time
- Trades are paid
- Home under budget
- No EPOs
- Homeowners are happy
- No warranty issues
- Home is off the books

CONSTRUCTION IS **SELDOM SO PERFECT**

Just one missed defect has many chances to rear its costly head.

It was a simple mistake.

The insulation contractor confused you with another builder in the same community and added the wrong R-Value insulation. This started a month ago, but since the mistake was hard to spot, no one noticed until now.

- **14 homes affected**
- **3 homes now occupied**
- **No HERS Compliance**
- **8 day delay**

It was just one leak.

A homeowner had a leak above the master bath. The vent pipe flashing on the roof wasn't lapped correctly. They attend an HOA meeting & mention the issue. 10 others have the same problem. The HOA hires an attorney.

- **95 homes affected**
- **Full destructive testing**
- **2 year litigation**
- **Undisclosed settlement**

I thought the city looked at that.

All the city inspection passed and the home is code compliant. A product rep came to do an audit and it turns out the framing contractor applied an incompatible tape to the sames of the sheathing.

- **Control layer failed**
- **Warranty is voided**
- **Full destructive testing**
- **Entire community at risk**

Small investments in quality now, can save even more money, time and energy later.

CONSULTANT PROFILE

At Burgess, we believe **the most valuable tool in our arsenal is our highly trained consultants**. Consultants go through our rigorous interviewing process, which includes personality testing with the highly acclaimed Talon Job Fit Report (assessing personality and problem-solving skills) to assure that they are knowledge seekers. Our **non-commission based** consultants also go through continual industry training and certifications for their field of expertise. This continues with study tracking, in-house coursework, and monthly audits of their work. Their continuous learning provides the CEU's necessary to renew their certifications every three years.



ICC Residential:

Building Inspector,
Electrical Inspector,
Mechanical Inspector,
Plumbing Inspector

Combination:

Combination
Inspector

Energy:

Residential Energy
Inspector/Plans
Examiner,
IECC/HERS Compliance
Specialist

Green:

Green Building—
Residential Examiner,
Florida Green Built
Certifying Agent

Thermography:

Infrared Thermo-
graphy Certification



RESNET:

Rating Field Inspector,
RESNET/HERS Rater,
Quality Assurance
Designee

Geographical:

Dallas Residential
Green Provider,
Green Built Gulf Coast,
Earth Craft

Special:

Special Inspector
Certification,
Spray-Applied
Fireproofing

CSI-TCEQ:

TCEQ Customer
Service Inspector

FAA:

Remote Drone Pilot

GET STARTED

FREE TRIAL

Try us out - risk free. We'll prove our worth with complimentary inspections and get you started on the path towards the optimal Quality Assurance Program.

sales@burgess-inc.com

NATIONAL HUBS

Arizona | Colorado | Florida
Georgia | Texas



1986-2021

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SINGLE FAMILY SERVICES

BURGESS

- **Inspections**
- **Energy Testing**
- **Engineering**

