ARCO MURRAY

- Arch E Alums

. Stragel Tomal PT (Dullas) CE 2021

· Cuse Russell PT (Deller) A E 2021

· Paul Wagner P (Austr) At 2015

ARCO MURRAY

- Design - Build contracting Firm

"Design-Build" Vs. "Gontal "Constanting"

wore sophistically
grader tech-in

-1992 in 8+. 6000 - 31 offices 2022

- Build: Not: high-rises, schools, public utr.

ALE team: Ag. Control, Team.

Niche Industries:

- All TOP Golf, Andriti

- Droycet Carlsbad - DHL (DFW)
-ALSCO (Myle)
Industrial landry
- Norm Gate Storage (Austra)

" Design - Buldos"

Design + constr 18 one team

Single point of contract

Invovative solutions

Finster timelines

Tour overall ast

Client protection (hump-sumprice)

Myber (18th For ARCO)

DEFINABLE

For time saving to occur in
Design-Build us. Plan Spec
Bridge gap in wost.

In-house service:

- Pre-cons' 1 of Devel +

- AME Interm Design, civil, 8tr. Electrical

-pours

Project Mange mut

-> Project handled

Desponsibilities:

- autoner Pel's / Buss. Del'6

- tamos

- etc.

Menage Project From Concept > comp.

Precorot. Design const. Post construction

Energy modeling case study Ly Vista Self Storage What is " Energy modeling"? > soft we similation of evezy performence Personnance vs prescriptive menuls Building as annous must perform metrics: IECC & ASHRAE there core: next standard From week T taditionally > Both allow for usage of

performance of method

> ASHRAB is easier
only regis project to be
better in energy with

> IECC regs project to be better in energy cost by 15%.

Francisch companison T > US DOE every compliance to 1

VISTA Self-storage (son Dicgo)

offset reduced wall of 100t insulations for the overall Bldg?

IGSVE Steps:

-constaction geometry

- create envelope

-assign wastr.

- MEP

-guest Raseline

- arelyze unnet Hours.

=> 200 h savings (40% overy)

Cose Study 2:

ARCO SIte ops & Due Physice 2 Bldg totaling 178 800 SF aut vs Fill to level

374 500 CX spoils expirt

2 \$10/CY = \$745,000

Another = 20,600 sq. ft retering well

Another = 0 cy spulls expurt = 0

Porpored

>> 5 200 st retaining wall

3 SQUINGS: \$17/SF or 15 = \$65 / SF ARCO \$48/SF