REESE HARTRIDGE MEP

WITH Jose Guerra Inc.

Acut alumn.

Appropriate HVAC systems:

Design consideration:

- wde reg's

- owners regs

-Size + use of Blog

- choncete

- Access to resources.

- Costs:

· FIRST COST

· truggy wast

· mant'e 4 Replacement as +

· lifecycle cost

- Maintainability

- Awstos.

HVAC for Mis Project:

- Forced Air systems w/ overhead mxing air distin.

- supp'l radiant heat at permeter as needed

AHU (5) — VAV FCU (for coil units) DOAU (dedicated outside Air units)

Supply Airflow Sizing

1 Determine Peak Design forced author rate

· Heat coming in through S very little through N

Internal land:

people + lights + appliances

250 BTU/h/person 1 W/8+ = 3.41 13TU/

lobby + retail space

√ ~33.3 Sf/person

Air Handling Unit (AHU) Room

- 2 SIZIND AHUS
- (SA) tretum air

oplace AHUS in or near areas they service.

Vertilation AirFlow Sizurs

- OA CFM = SCFM/person . # occupants ...
- 3 Dedicated Outside Air Unit (DOAU) Room Sizing

