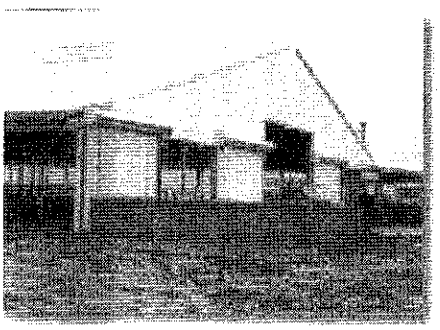
HCISD Agriculture Facility

- **Primary concerns:**
  - Quality animal care/education facility; not necessarily a huge structure.
    - Moderate size – Animal Care/Education Facility
    - Not a county size showbarn-
      a. There are already too many prospect shows
      b. Hosting a show would bring diseases to our facility
      c. Maintenance, care, repair of huge facility would be costly long term.
      d. Facility should be designed to promote student learning and animal health, unlike many of the larger facilities around the valley.
  - Location
    - Central location in a safe area
    - Wilson road or possibly donated land near Altas Palmas?
    - Combes is not acceptable
      - Floods
      - Remote
      - High Theft rates
      - Low supervision
  - Safety – Animal and Student
  - Animal Health – Need to ensure all animal needs are being met.
- **Examples:**
  - Calallen is closest to what we want
  - San Benito is too large
  - We need to look at as many facilities as is possible and take the good things from the ones we like and avoid the pitfalls others have made.
    - Through others mistakes we learn



- **Requirements/Needs:**
  - Sun Protection
  - Climate Controlled
    - Weather Protection
    - Sealable barn – Roll down metal doors on all sides.
    - Chain link with shade-cloth sides Prevent Sunburn
    - Overhead natural gas heaters
      - Eliminate heat lamps -Possible accidents/fire
    - Cooling fans
    - Misting Fans
    - Shading
    - Bird Deterrent
    - Fly Control System
  - Concrete floor
  - Wind orientation
    - Good wind flow from south/east – Blocked north wind
    - Roll down doors
  - Video Surveillance with long term recording
  - Floor Drains
    - With clean-out buckets
  - Good Lighting all areas

- Under one Roof
  - Show arena(s)
  - ***Livestock Pens***
    - Hogs, lambs, goats, cattle, rabbits, poultry
      - *20 Steer* pens
      - *150 Multi-species* pens
      - *35 Rabbit* hutches
      - *20 Poultry* pens
    - Overhead water
      - ***Bowl waterers*** for hogs
        - 120
        - Adjustable
      - Water drops for lambs/goats
- Separate wash racks for Hogs, Sheep/Goats, Cattle
- Hair/Wool Clipping/Blowing area with adequate power receptacles
- Species specific animal weight ***scale systems***
  - Centrally located in pen areas
- Cattle system incorporated with a ***squeeze chute and sweep***
- (Optional) Farrowing Facility for swine breeding/Student Labs
- Covered Loading/Unloading dock
- Climate Controlled office
  - ***Refrigeration*** for medical supplies, etc.
  - ***Storage Racks, Cabinets***
  - ***Video surveillance*** equipment located here
- Mens/Womens Restroom facilities
- ***Covered Barn*** for Trailer/Equipment storage
- *Hot water* ***Pressure Washer*** – Sanitation, cleaning, maintenance
- Small ***Front end Loader/Tractor***
  - For clean out, upkeep, to move sand, grounds maintenance, etc.
  - For use in teaching Tractor Safety/ Maintenance portion of TEKS
- Feed/Tack/Tool storage
  - Separate for individual students
  - ***Food Scales***
  - ***Metal lockers***
    - Cabinets - Not actual lockers
    - Need to be large enough for multiple sacks of feed and tack/equipment
    - Approx. = 4'w x 3't x 3'd at very least
- ***Perimeter Fence***
- ***Adjustable time-lock system***
  - To lock at night and unlock in the morning
  - Approx. 10pm – 6am
- Lab equipped lecture hall