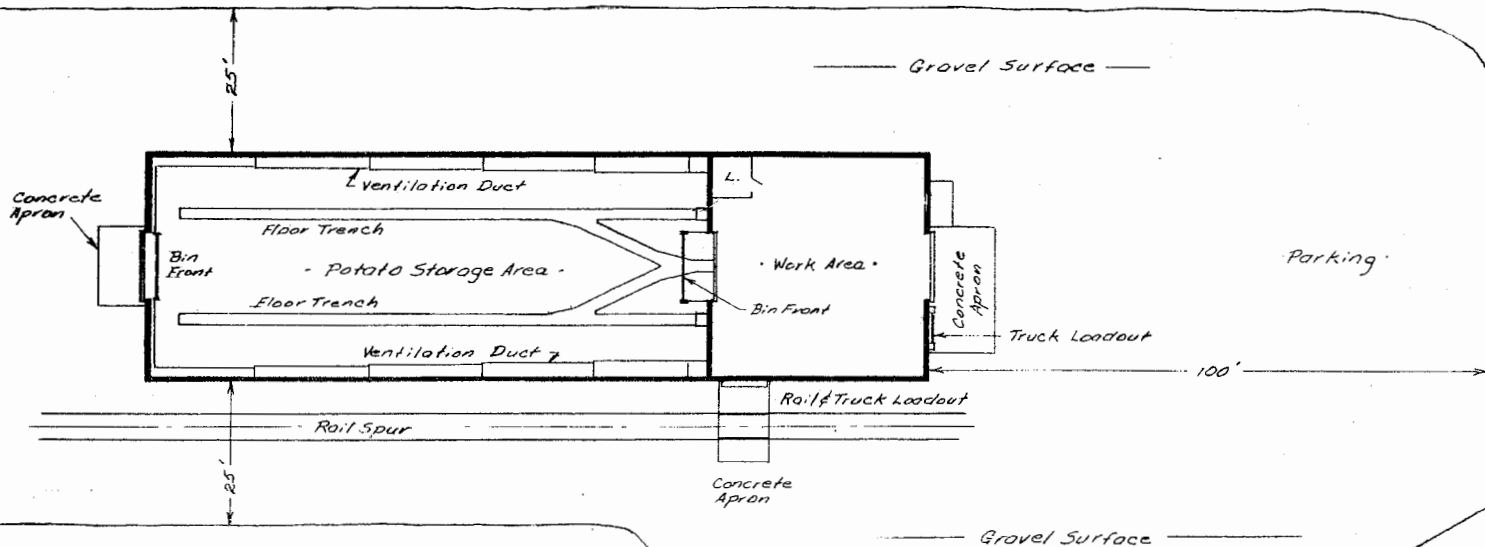


Perspective



Site Plan
Scale: 1/16" = 1'

THE OPERATOR PLANNING TO BUILD A STORAGE SHOULD RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER TO DESIGN THE STORAGE TO MEET THE OPERATOR'S PARTICULAR NEEDS AND TO MEET LOCAL CONDITIONS, AS WELL AS TO SUPERVISE CONSTRUCTION.

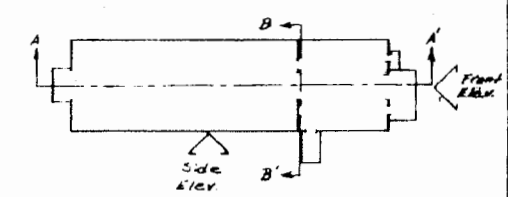
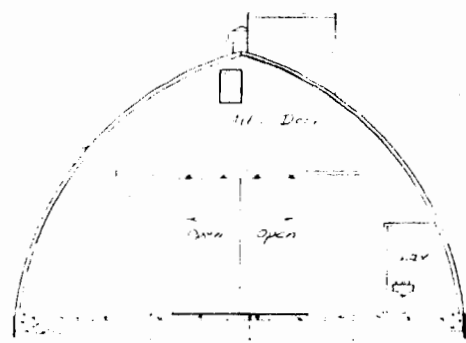
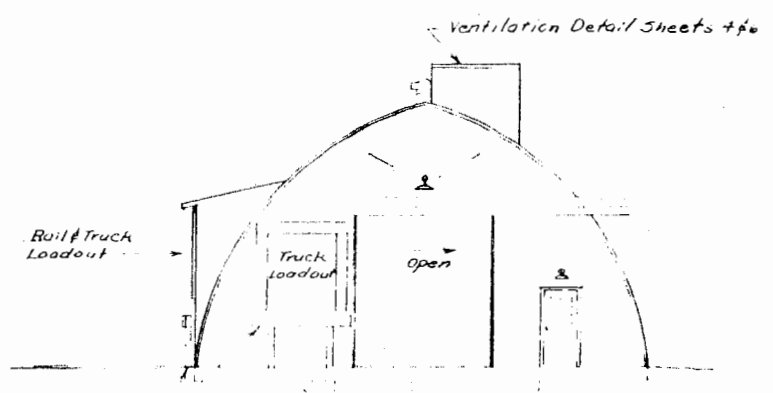
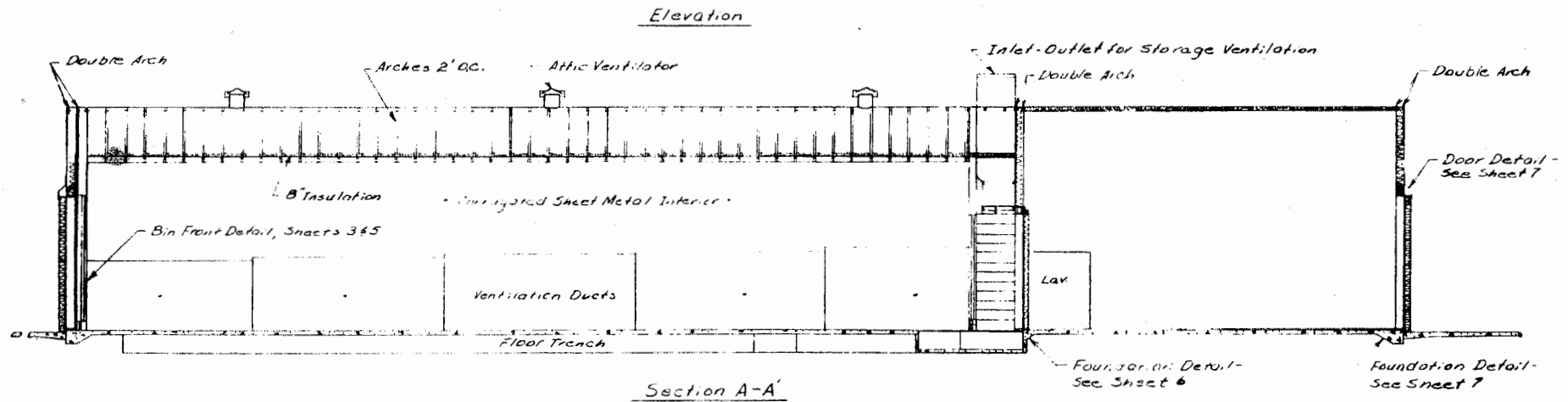
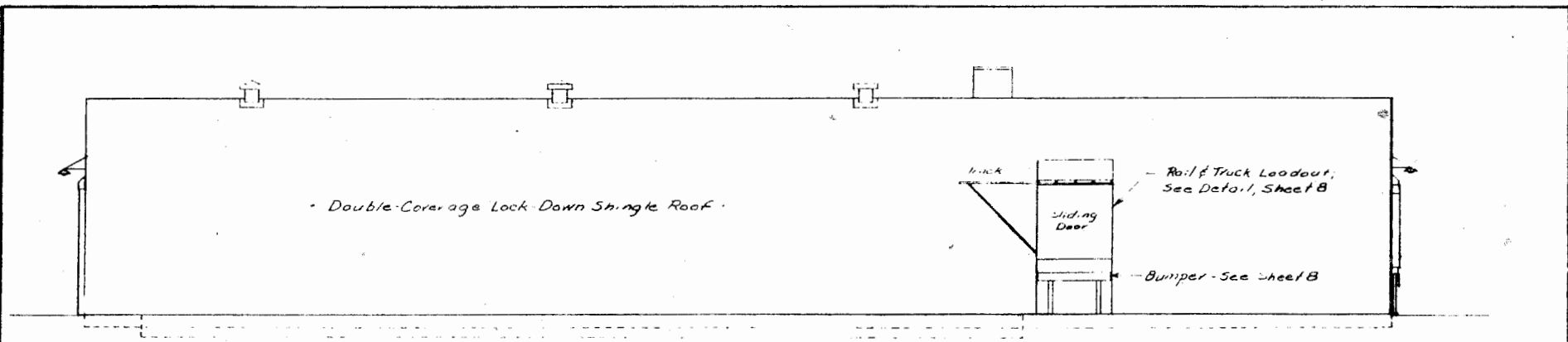
NOTE ADDED-SHEET 1
REVISED: 5-2-69

Scale: As Shown

Potato Storage
20,000 Cwt., Arched Roof

ARS-TFRD	EX. 5989	SHEET 1 OF 8
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Perspective & Site Plan



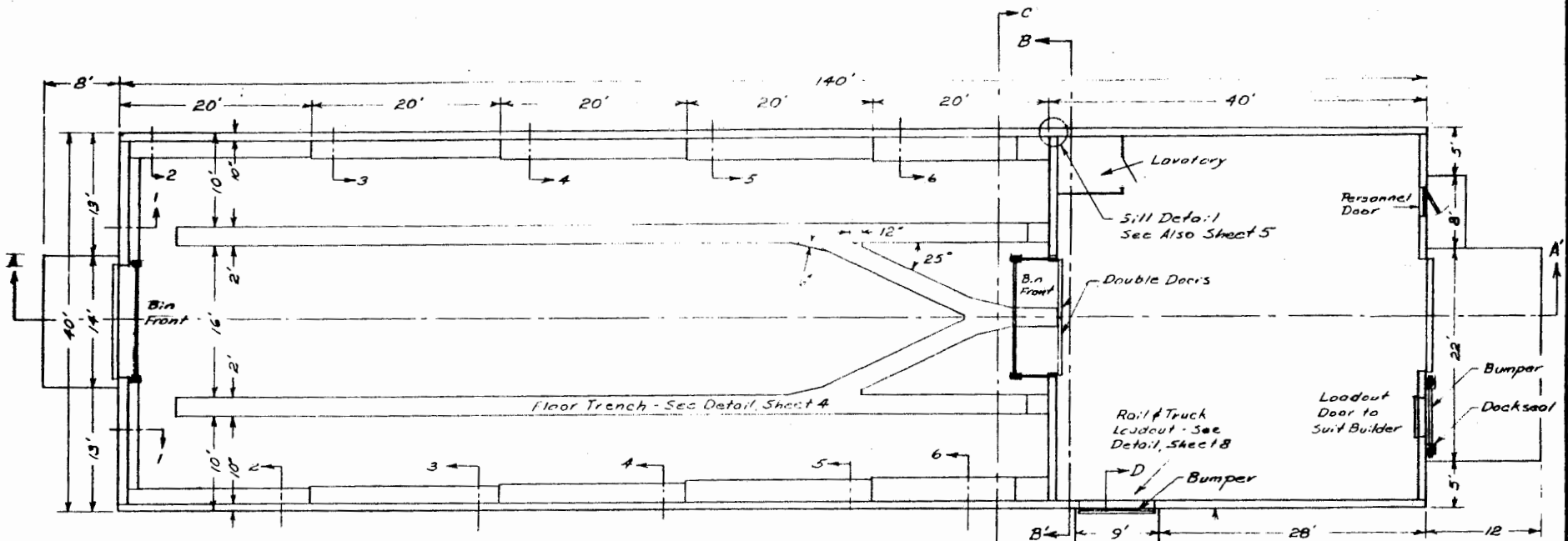
Scale: 1/4" = 1'

LSU
AgCenter
RESEARCH & EXTENSION

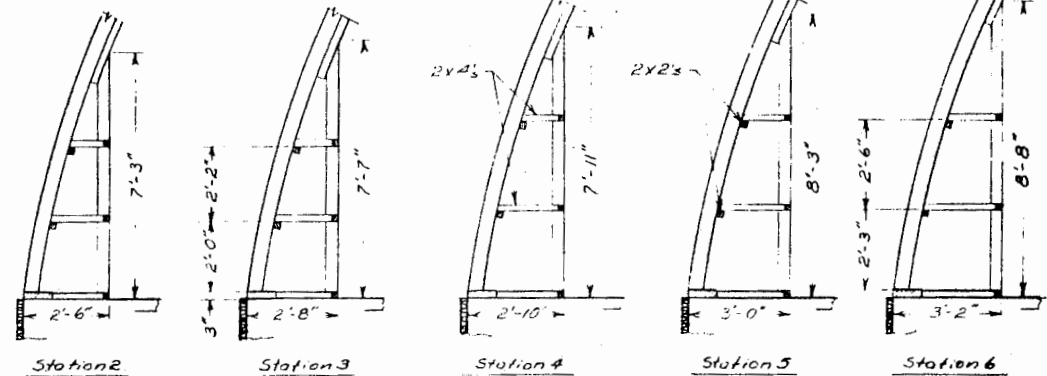
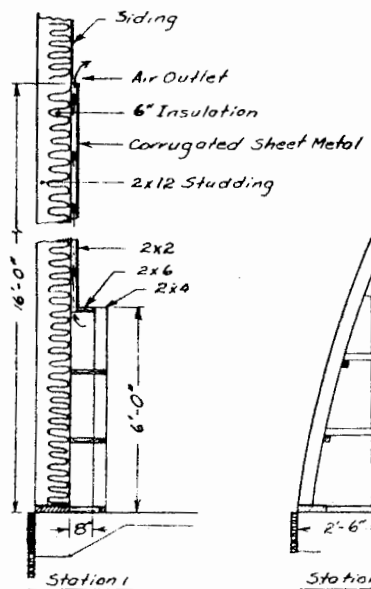
Palato Storage
20,000 Cwt. Arch'd Roof

ARS-TFRD COL 5989 SHEET 2 OF 8

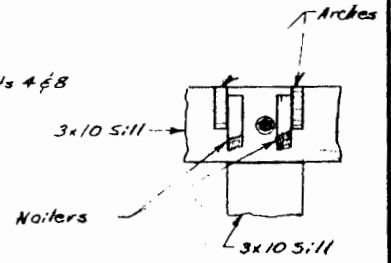
Elevations & Sections



Plan Layout
Scale: 3/8" = 1'



Ventilation Duct Sections
Scale: 3/8" = 1'



Sill Detail
at Bin Wall
Scale: 1" = 1'

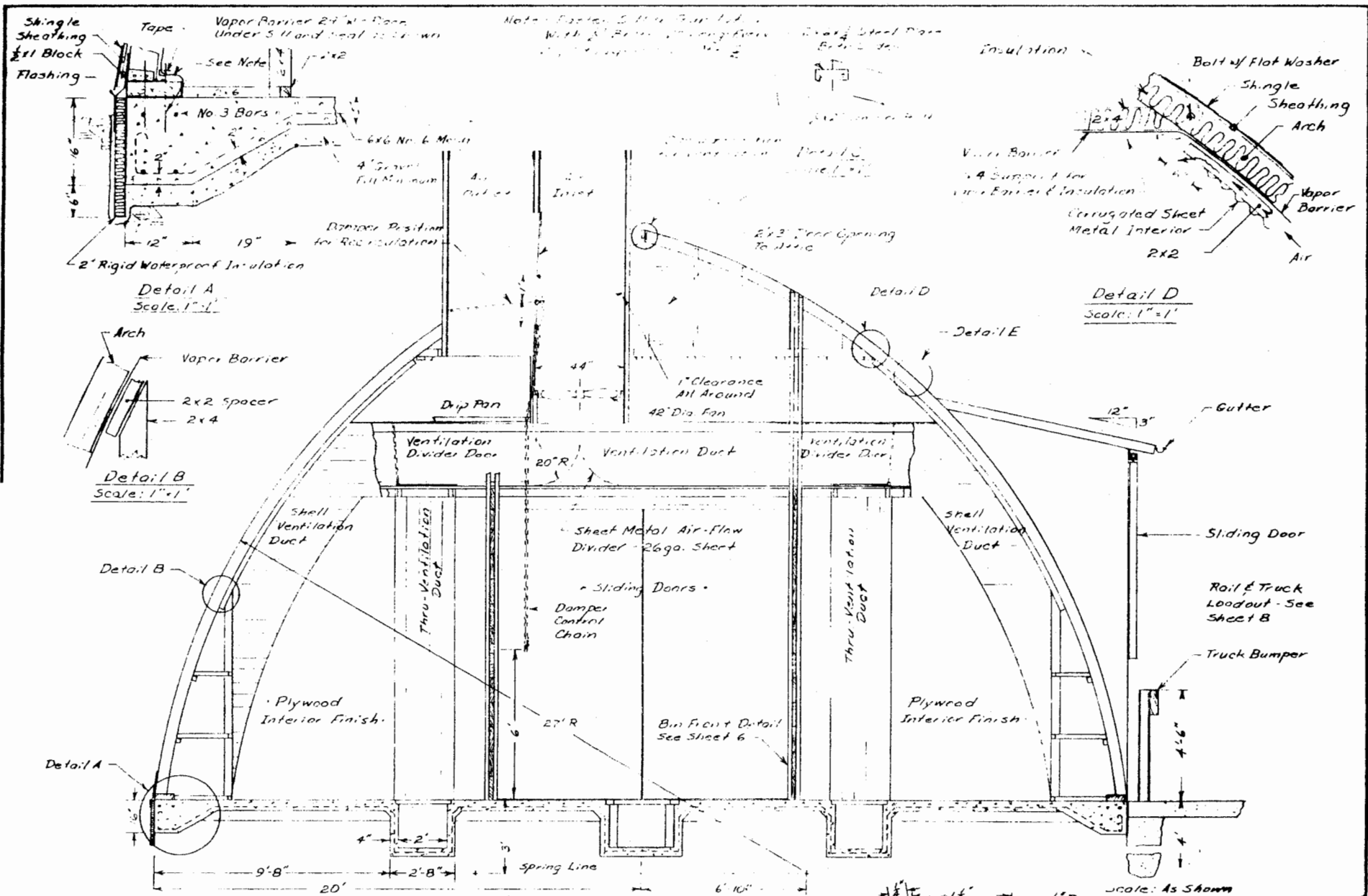
Scale: As Shown

LSU
Ag Center
RESEARCH & EXTENSION


Potato Storage
20,000 Cwt. Arched Roof

ARS-TFRD EXL 5989 SHEET 3 OF 6

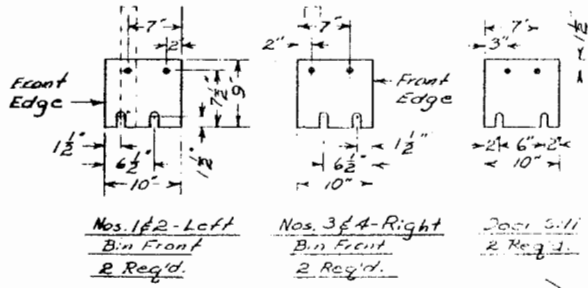
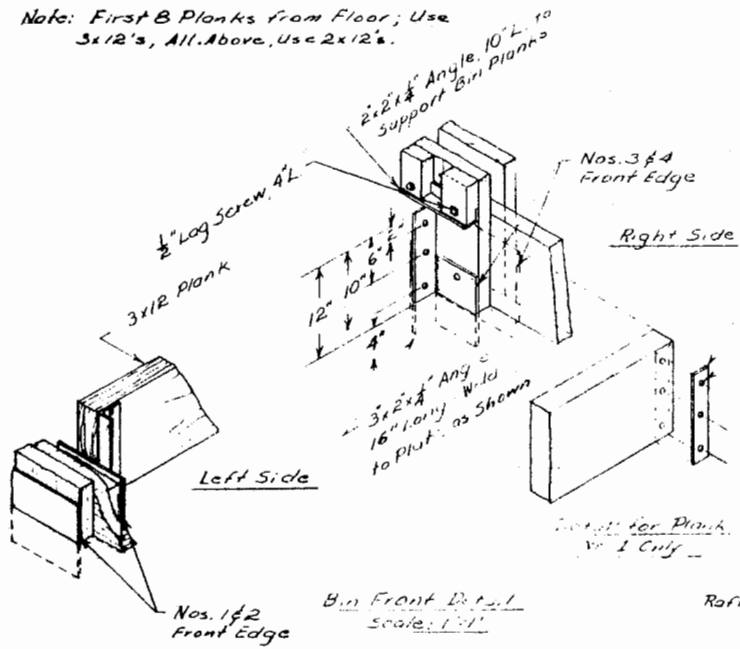
Layout of Duct Details



Caution: Many Areas Cannot Use "Flooding" Silt Foundation Shown.

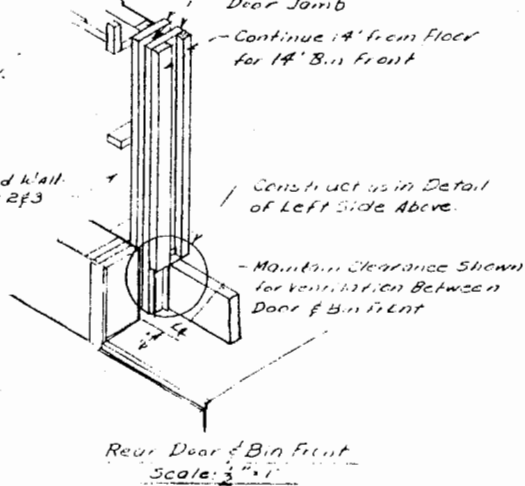
 LSU AgCenter <small>RESEARCH & EXTENSION</small>		
Potato Storage: 20,000 Cwt. Arch'd Pool		
ARCH. NO. 1	EX. 1989	SHEET 4 OF 8
Section 1 of 3		

Note: First 8 Planks from Floor; Use 3x12's, All Above, Use 2x12's.

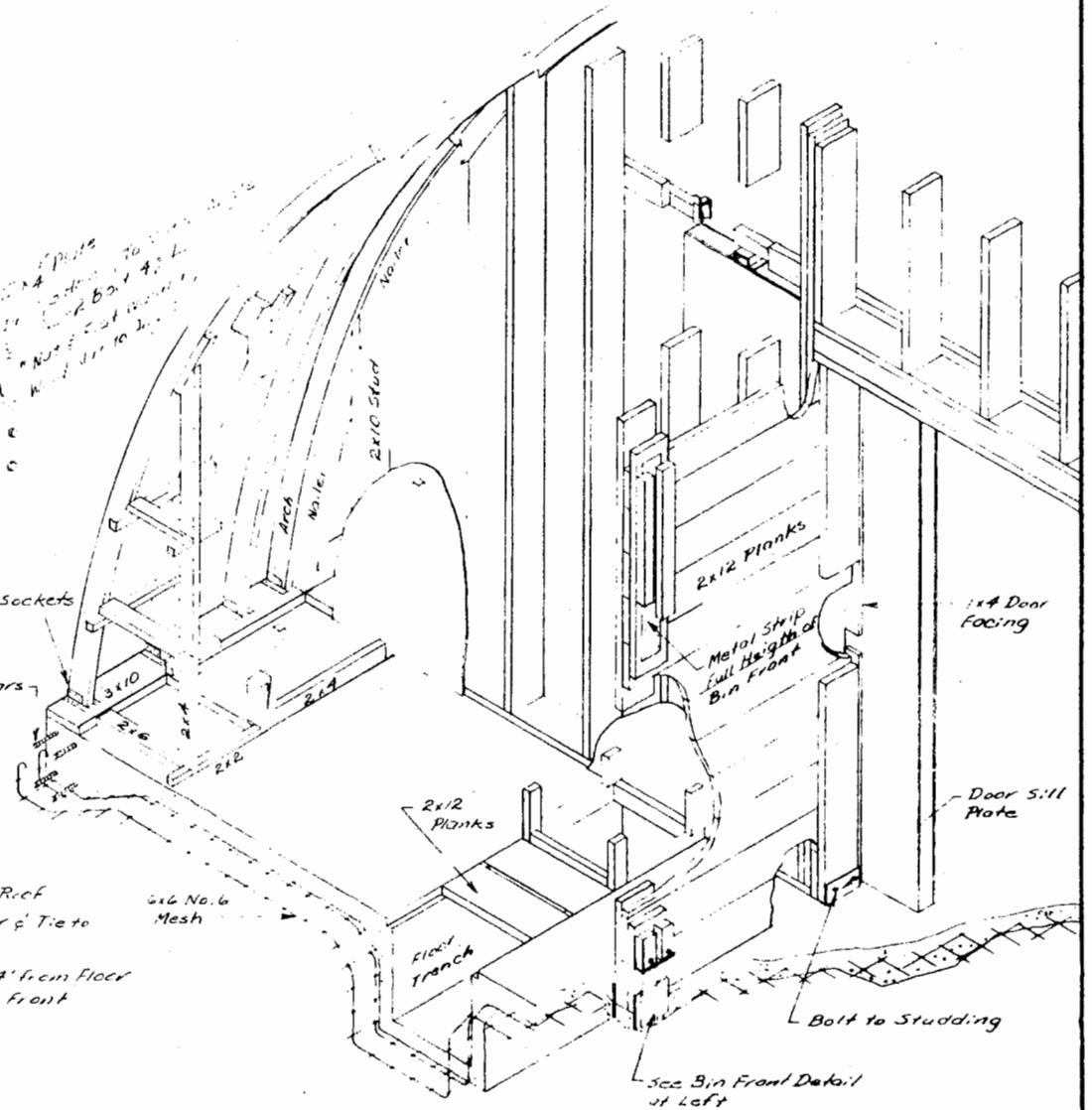


- Notes:
1. Make all Plate from 1/4" Steel.
 2. Drill all Holes 5/8"
 3. Cut Slots 1" wide.
 4. Weld Angle at Dotted Outline on Plates 1 Thru 4

Duct in End Wall.
See Sheets 2f3



Notes:
1. Planks to be 10' L.
2. Bars to be 4' L.
3. Not to be used for 10' L.

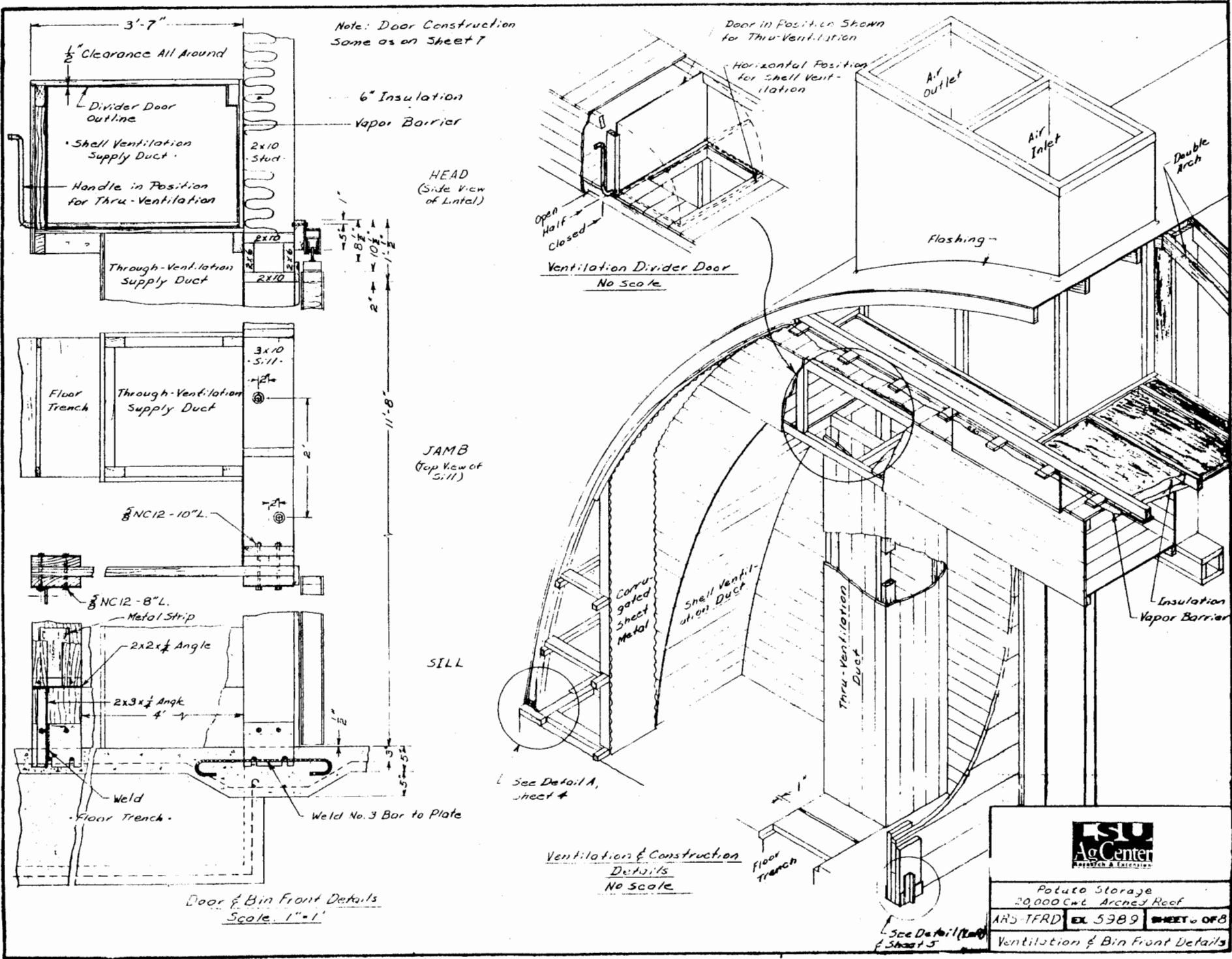


Scale: As Shown

Potato Storage
2.50' x 2.50' x 10' High

4th FRI	EX. 578	SHEET 8 OF 8
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Use end of Dist. 15



Note: Door Construction Same as on Sheet 7

Door in Position Shown for Thru-Ventilation

Horizontal Position for Shell Ventilation

HEAD
(Side View of Lintel)


Ventilation Divider Door
No Scale

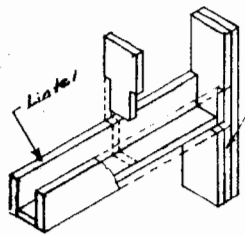
JAMB
(Top View of Sill)

SILL

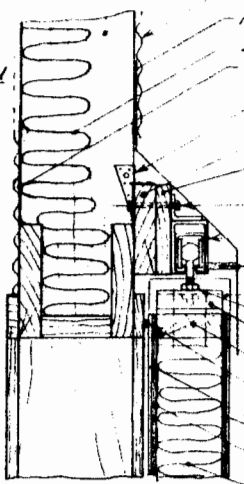
Ventilation & Construction
Details
No Scale

Door & Bin Front Details
Scale: 1"=1'

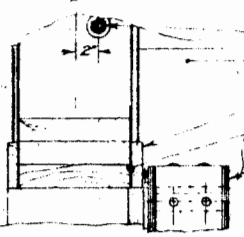
		
Potato Storage 20,000 Cwt Arched Roof		
ARS TFRD	EX. 5989	SHEET 6 OF 8
Ventilation & Bin Front Details		



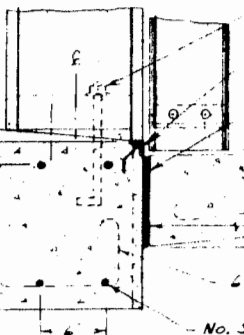
Jamb & Lintel Detail
No Scale



Head



Jamb



Sill

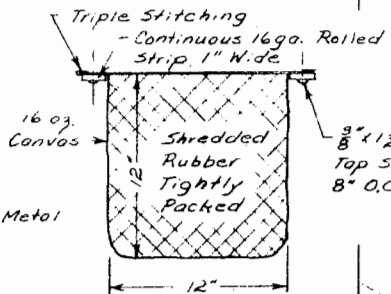
Door Details
Scale: 1/2" = 1'

- 2x10 Stud
- Corrugated Sheet Metal
- Flashing
- Insulation
- Vapor Barrier
- Framing Anchor
- 2x8 Track Support
- 1x8 Shim

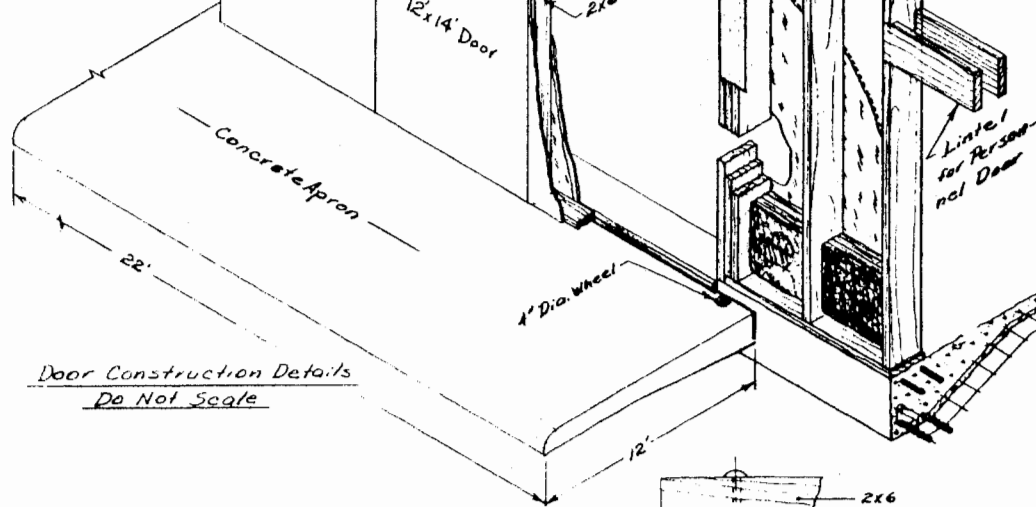
- 3/8 Bolt
- Track
- Wood Strip
- Bird Guard on Door
- Adjusting Nuts
- Door Hanger - See Det.
- 2x6
- Door Seal
- 3/8 Plywood Exterior
- Vapor Barrier
- Insulation
- Sill Bolt
- Apron
- 1x4 Door Facing
- Felt Seal
- Door (Closed Position)

- 1/2" x 12" L. Sill Bolt, 2" off C.
- Tread Guard - 1/2" x 1 1/2" x 1/2"
- Angle; Weld on No. 3 Bars 2' OC.
- to Anchor and Cast in Place
- Expansion Joint
- 2x6 Reinforcing Mesh

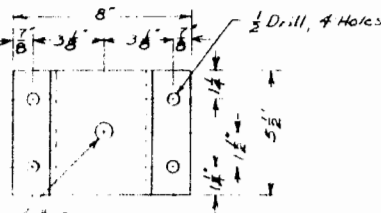
No. 3 Bars



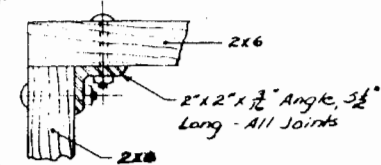
Truck Loadout Dockseal
See Sheet 3
Scale: 2" = 1'



Door Construction Details
Do Not Scale



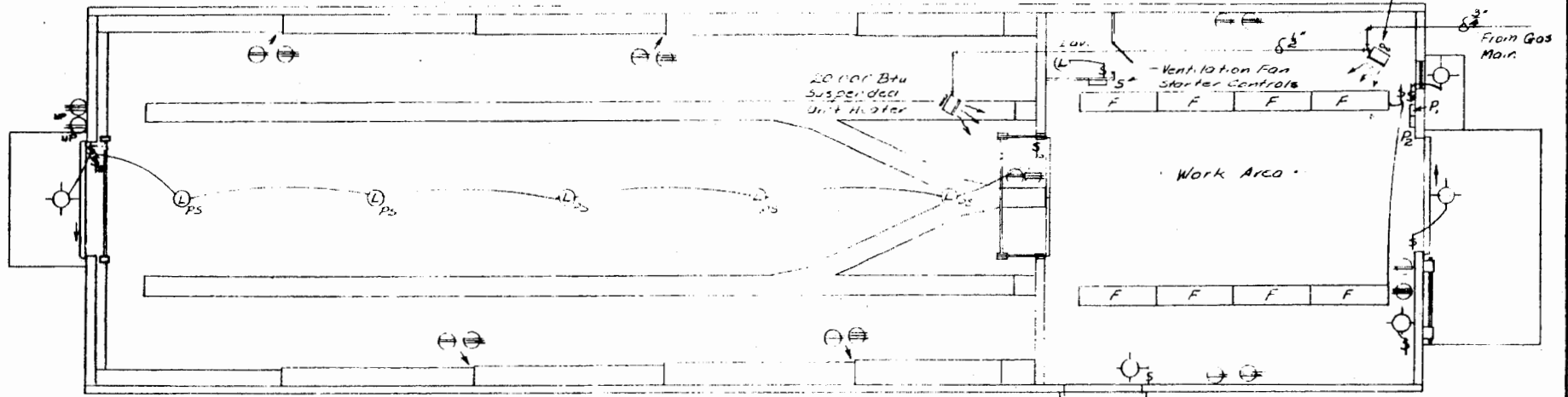
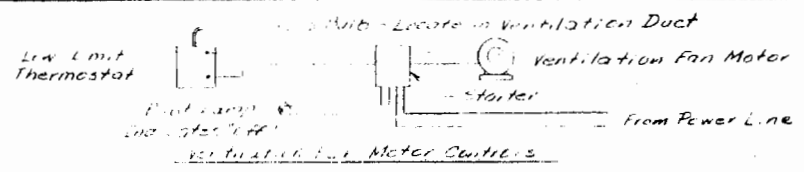
Door Hanger Detail
Scale: 3" = 1'



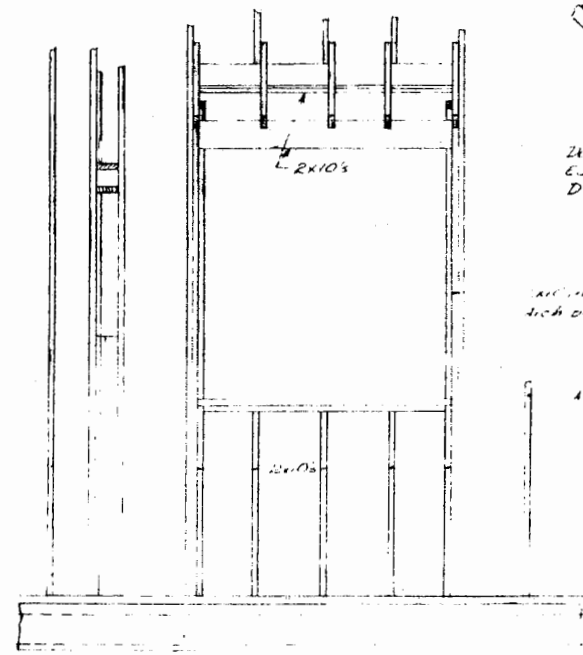
Door Corner Detail
Scale: 3" = 1'

See Sheet 4B Shear

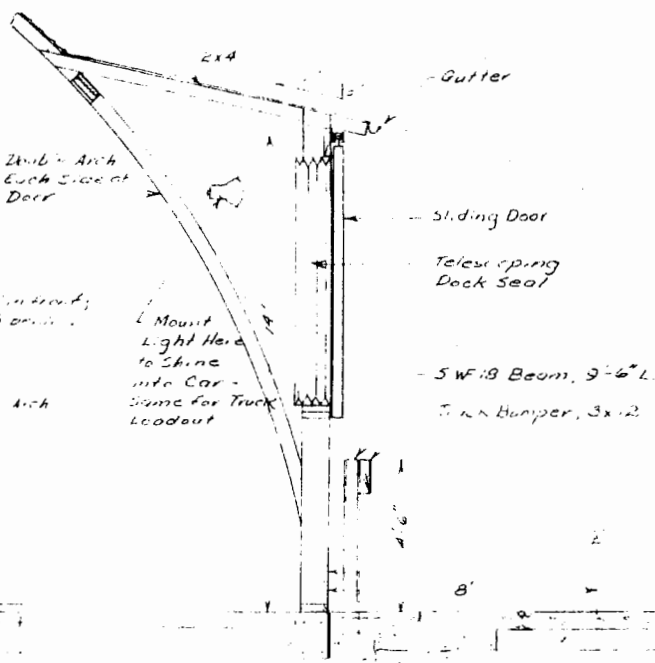




Layout
Scale 1/8"=1'



Framing Detail
Truck Leadout
Scale 3/8"=1'



Truck Leadout
Scale 3/8"=1'

Legend

- ⌘ Single Fan Switch
- ⌘₃ Single Pole Switch, 3-way
- ⊕ Duplex Outlet, 110v, 1ϕ, Grounded
- ⊕ 208v, 3ϕ or 230v, 1ϕ, Grounded
- ⊕ Flood Lamp, 100w, Weatherproof
- ⊕₄ Single Lamp, 100w, Weatherproof
- ⊕₄ or ⊕₄₄ Same as above Except Weatherproof
- ⊕₄₄₄ Same as above Except 4 Pullswitch
- P Main Service Panel
- P₄ Distribution Panel
- S Starter & Motor Controls
- F Fluorescent Fixtures, 8' nominal Length
- ⌘ Two 75-w Lamps; 16' Mounting Height

Scale: As Shown



Auto Storage		
2000 East Acadian Road		
ARS-TRD	EX 5989	SHEET 8 OF 8
Electrical, Plumbing & Misc.		

Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.