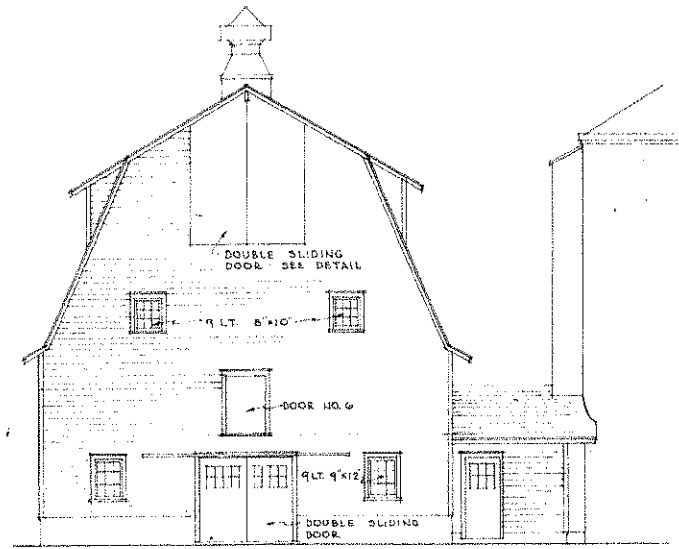
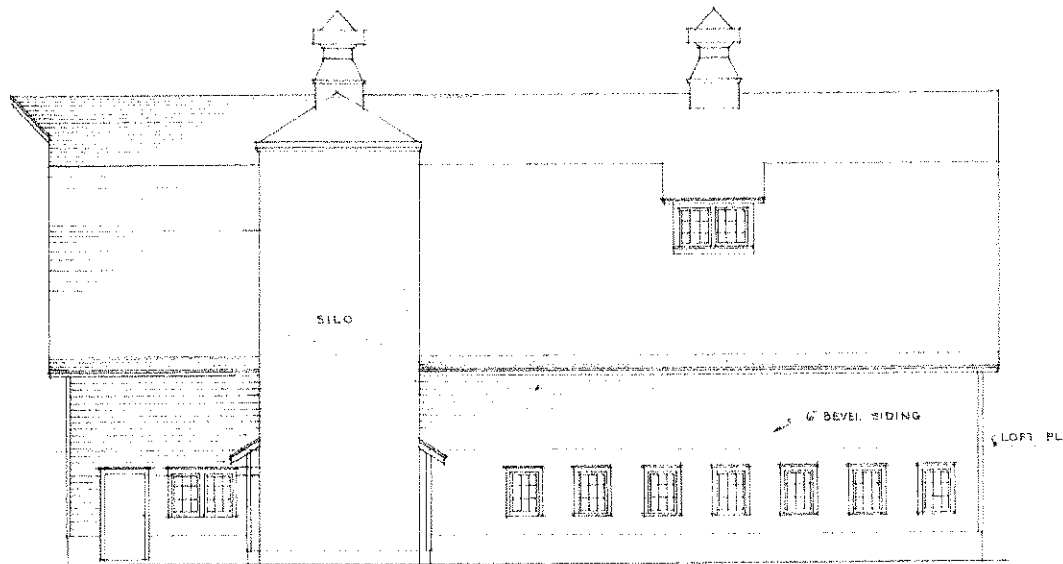


WEST ELEVATION
SCALE $\frac{1}{8}'' = 1'-0''$



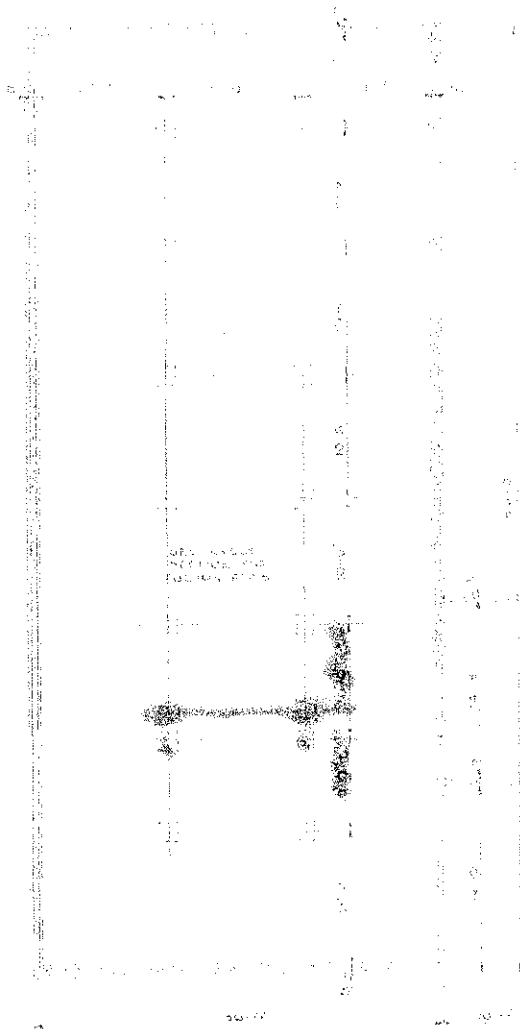
SOUTH ELEVATION
SCALE $\frac{1}{8}'' = 1'-0''$



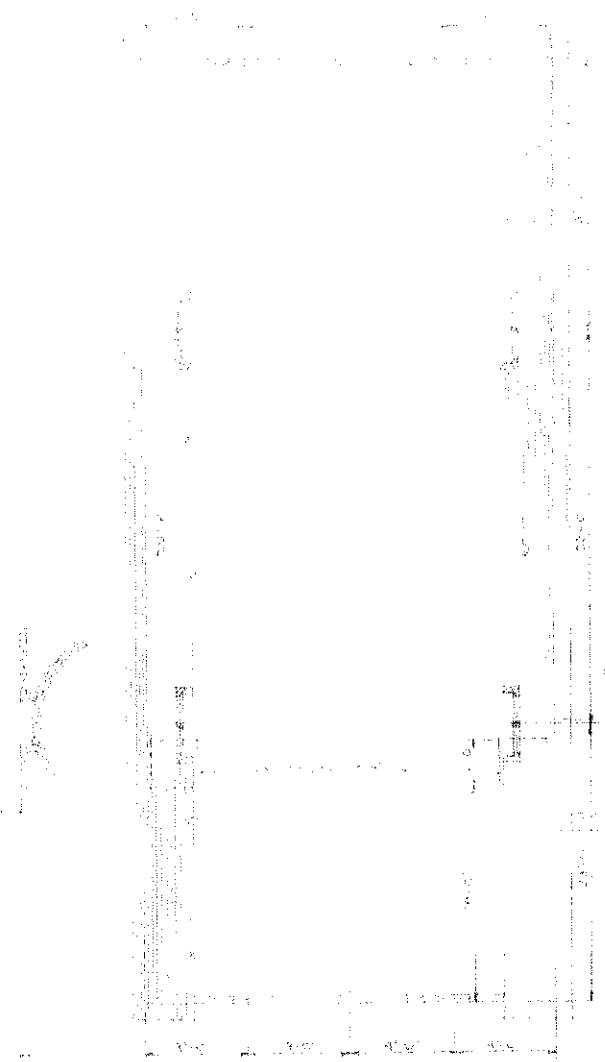
EAST ELEVATION
SCALE $\frac{1}{8}'' = 1'-0''$

DOOR SCHEDULE					
MARK	No.	Wide	HIGH	THK.	REMARKS
1	4	4'-3"	8'-4"	1 1/2"	GLAZED
2	2	3'-6"	7'-0"	1 1/2"	CUT 3'-6" x 3'-6"
3	1	3'-6"	7'-0"	1 1/2"	GLAZED
4	1	3'-6"	7'-0"	1 1/2"	
5	2	2'-6"	-	1 1/2"	LOOSE BOARDS
6	1	4'-0"	5'-0"	1 1/2"	
7	2	5'-0"	12'-0"	1 1/2"	CABLE DOORS

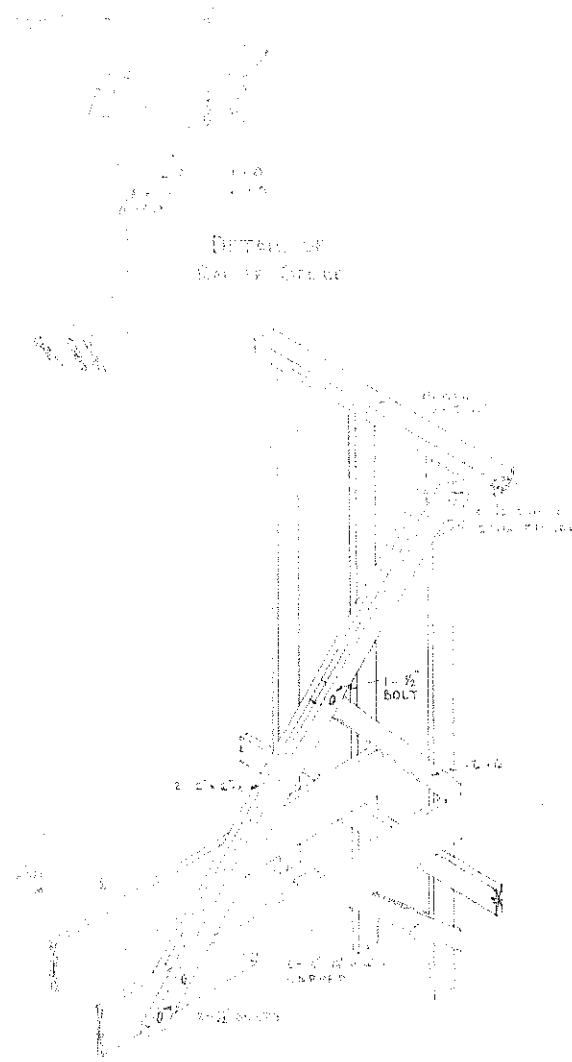
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 NORTH DAKOTA AGRICULTURAL COLLEGE
 AND
 U. S. DEPT. OF AGRICULTURE COOPERATING
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DAIRY BARN
 MIDWEST 72321-13 EX. 5254 SHEET 1 of 7



FOUNDATION PLAN
SCALE 1/4" = 1'-0"



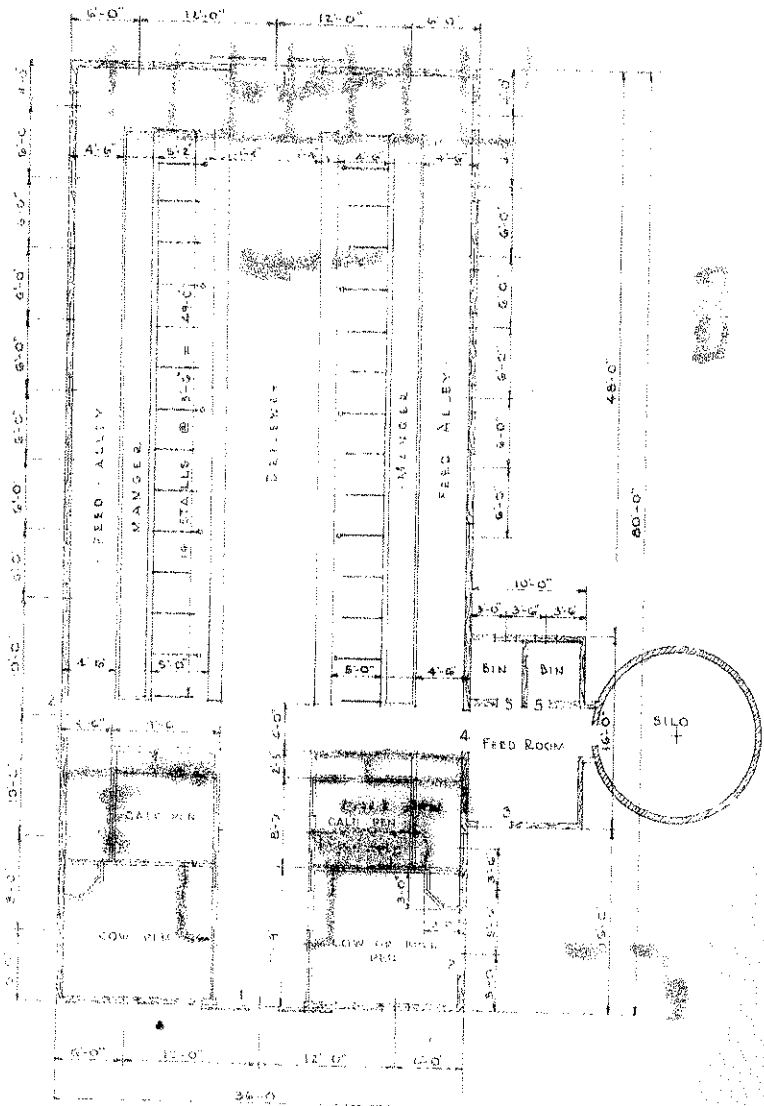
LOFT FLOOR PLAN
SCALE 1/4" = 1'-0"



DETAIL OF WALL BRACKET
SCALE 1/2" = 1'-0"

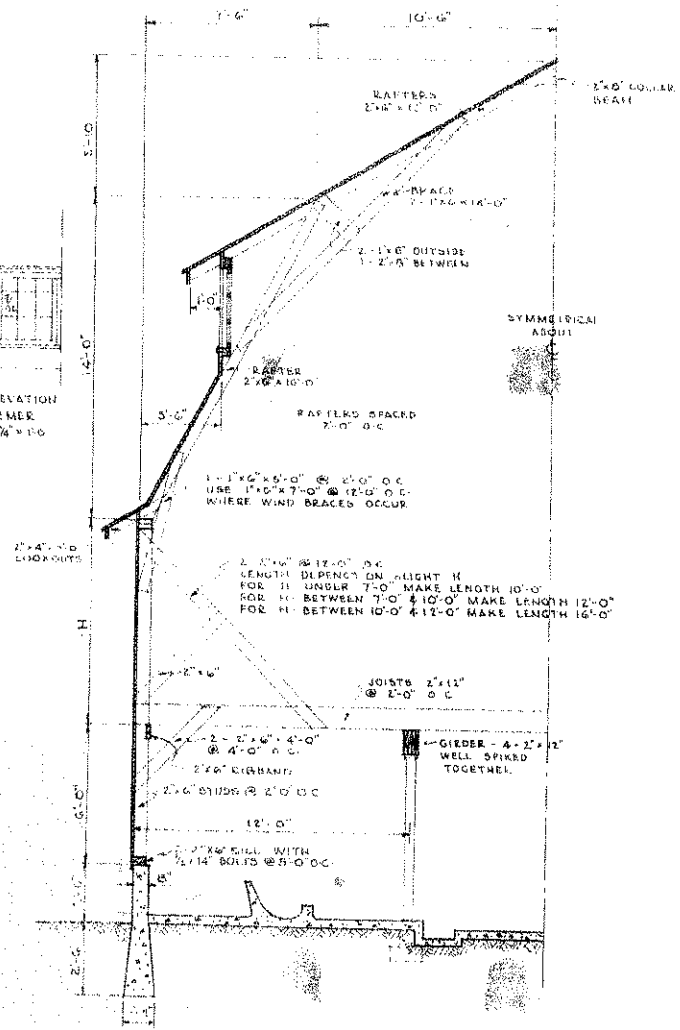
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NORTH DAKOTA AGRICULTURAL COLLEGE
SCHOOL OF AGRICULTURE
EXT. AGR'L. ENGINEER - FARGO, N. DAK.

DAIRY BARN
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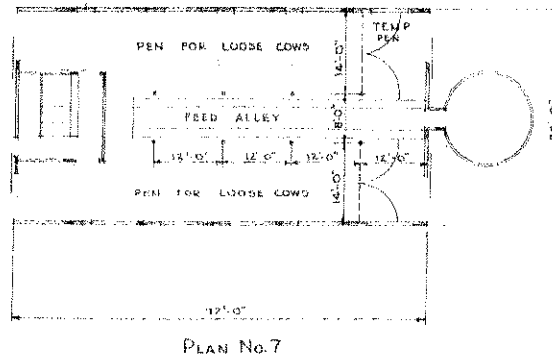
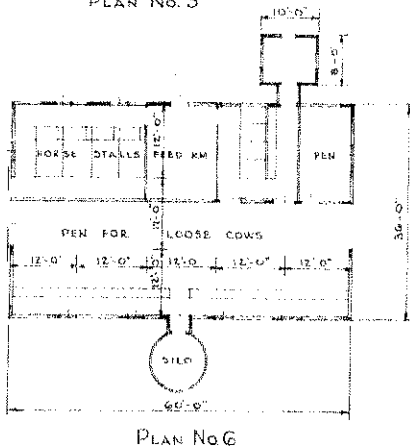
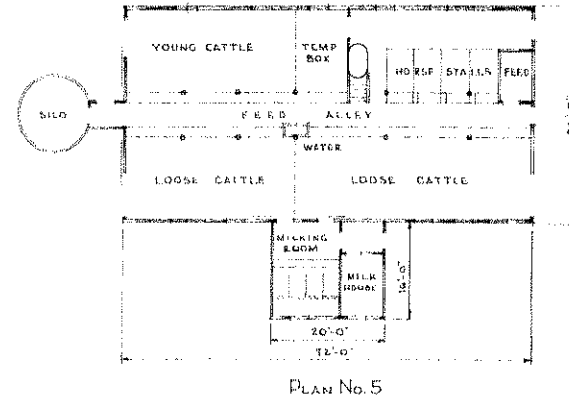
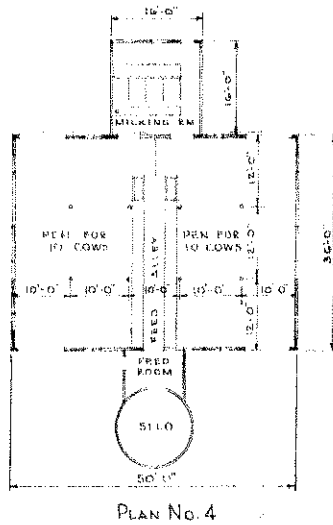
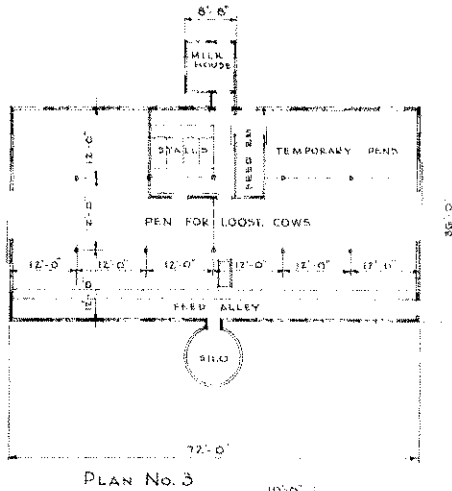
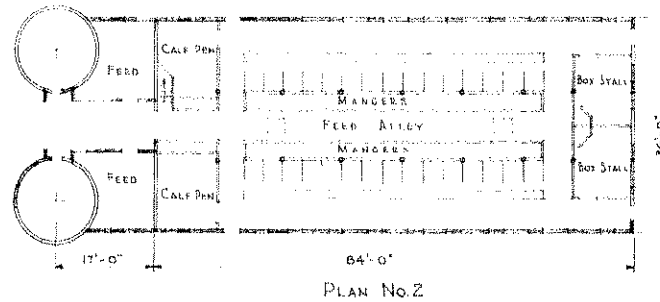
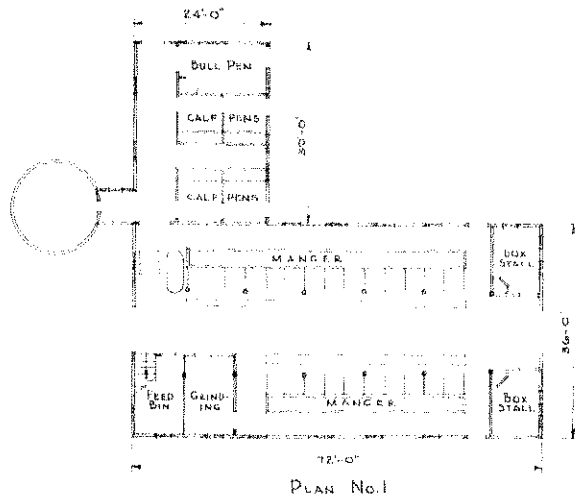
FLOOR PLAN
SCALE 1/4" = 1'-0"

HALF ELEVATION OF DORMER
SCALE 1/4" = 1'-0"



HALF CROSS SECTION
SCALE 1/4" = 1'-0"

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DAIRY BARN
 MIDWEST 72321-38EX 5256 SHEET 3 OF 7

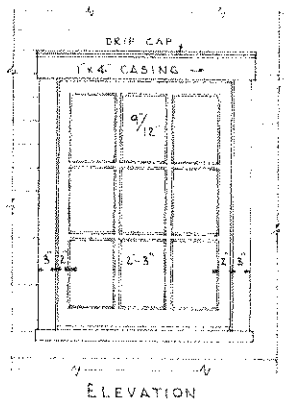


OPTIONAL FLOOR PLANS
SCALE 3/8" = 1'-0"

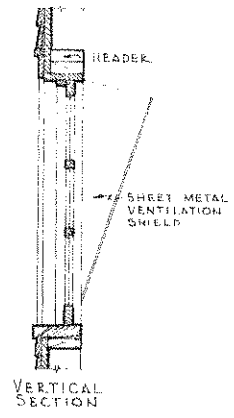
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ELEVATION

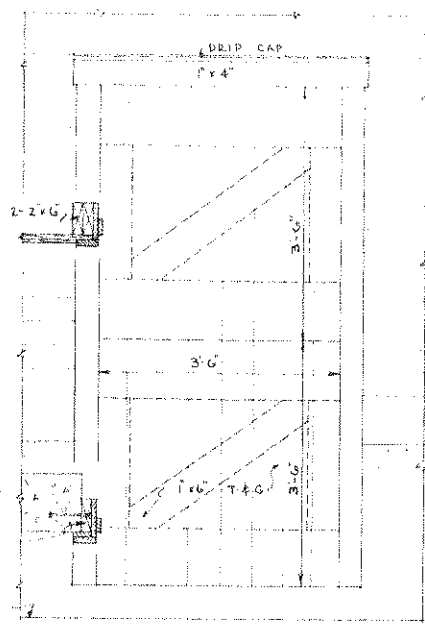


VERTICAL SECTION

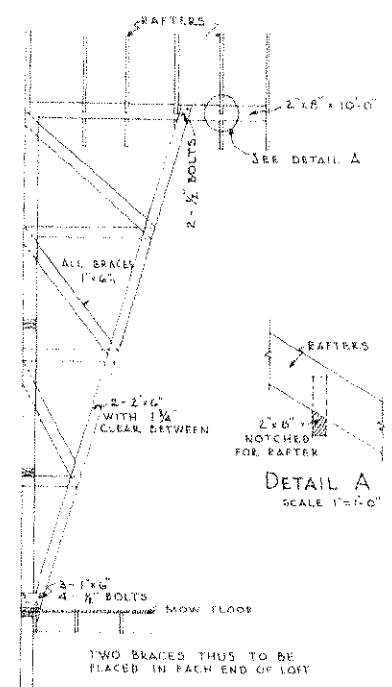


HORIZONTAL SECTION

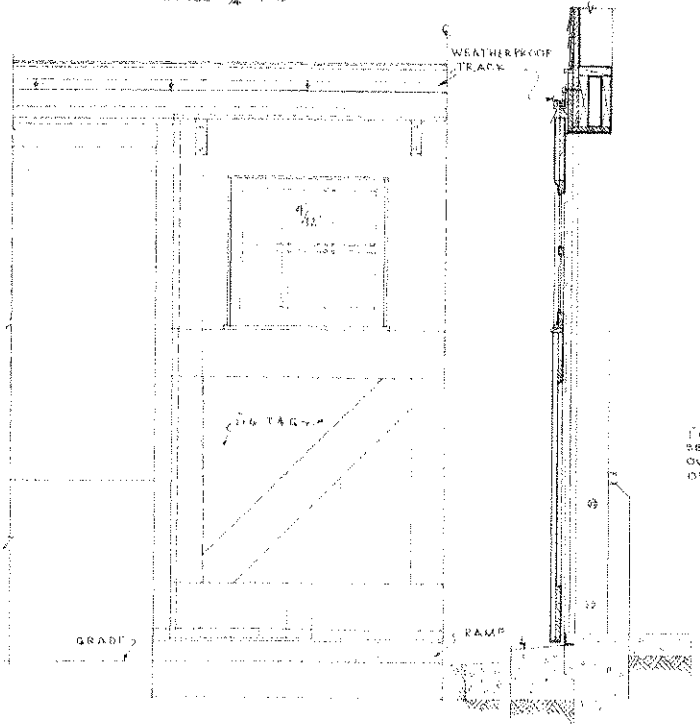
TYPICAL WINDOW DETAILS
SCALE 3/4"=1'-0"



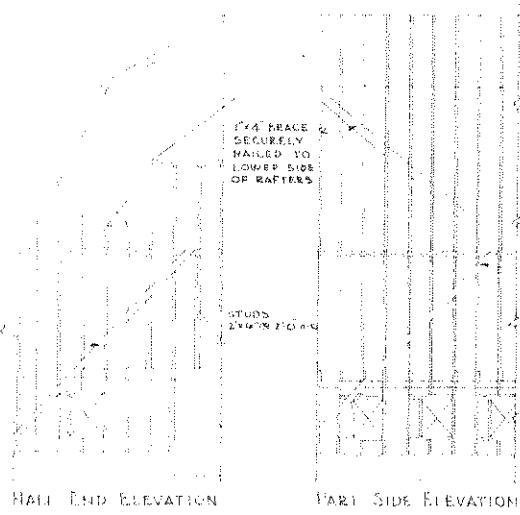
TYPICAL HINGED DOOR DETAILS
SCALE 3/4"=1'-0"



WIND BRACING FOR GABLE
SCALE 1/2"=1'-0"



TYPICAL ROLLING DOOR DETAILS
SCALE 3/4"=1'-0"

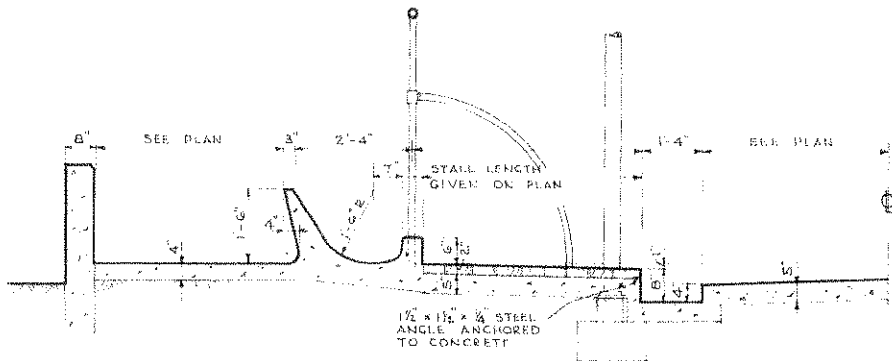


TYPICAL WALL FRAMING
SCALE 3/4"=1'-0"

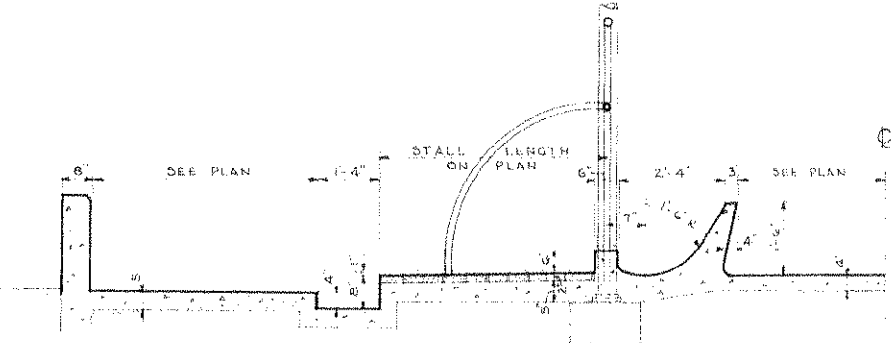
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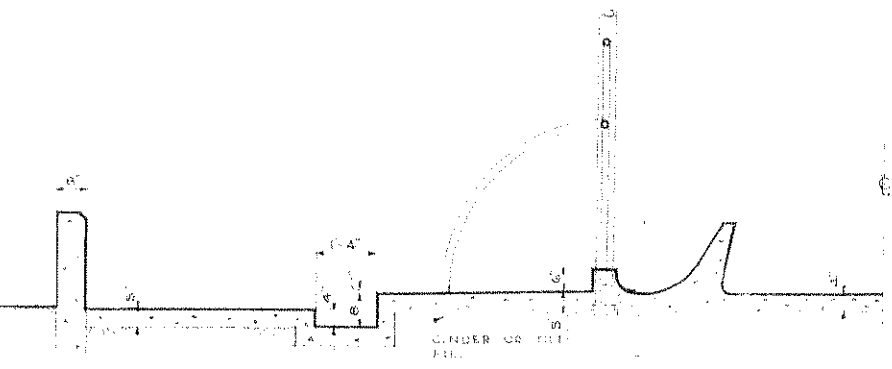
MIDWEST 53
72301-72301-72301 EX. 3250 SHEET 3077



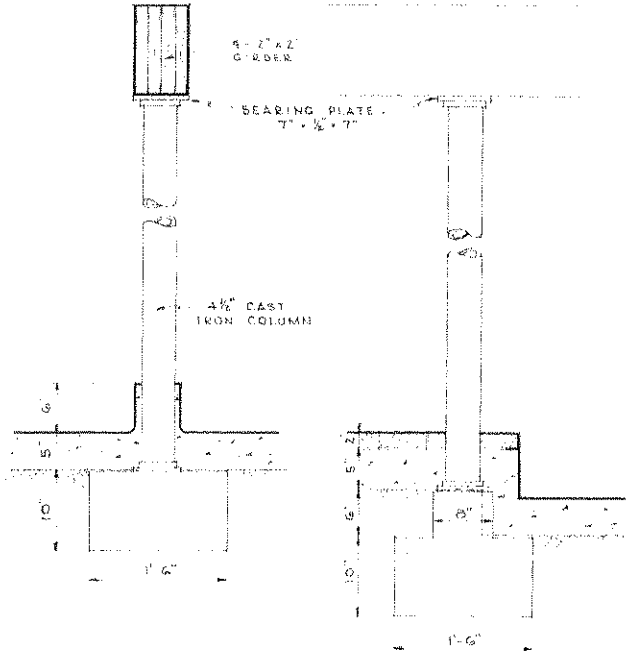
HALF SECTION THRU STALLS FOR FACE OUT ARRANGEMENT
SCALE 1/2" = 1'-0"



HALF SECTION THRU STALLS FOR FACE IN ARRANGEMENT
SCALE 1/2" = 1'-0"



HALF SECTION SHOWING ALTERNATE FLOOR CONSTRUCTION
SCALE 1/2" = 1'-0"



DETAIL FOR COLUMNS IN MANGER CURBS
DETAIL FOR COLUMNS AT GUTTERS

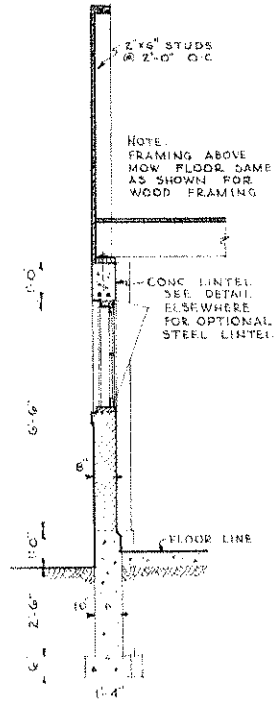
TYPICAL COLUMN DETAILS
SCALE 1" = 1'-0"

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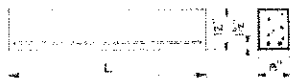
DAIRY BARN

MIDWEST 55
 72301-72311-72321

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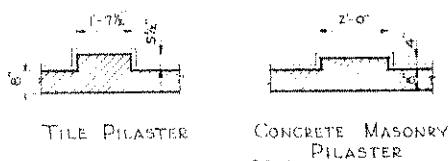


WALL SECTION
SCALE 3/8" = 1'-0"



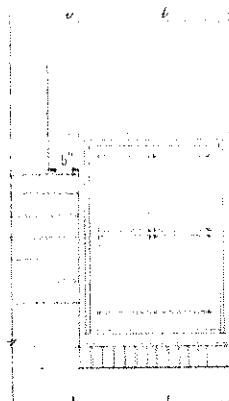
MAKE LENGTH 1" MORE THAN WIDTH OF OPENING. REINFORCE WITH 2-#4 STEEL BARS PLACED AS SHOWN

CONCRETE LINTELS



IN TILE AND CONCRETE MASONRY CONSTRUCTION PLACE PILASTERS ON INSIDE OF WALL SPACED @ 12'-0" O.C. MAKE FOUNDATION WALL ACCORDINGLY

PILASTER DETAILS

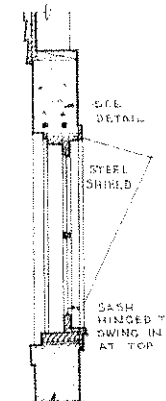


HALF ELEVATION

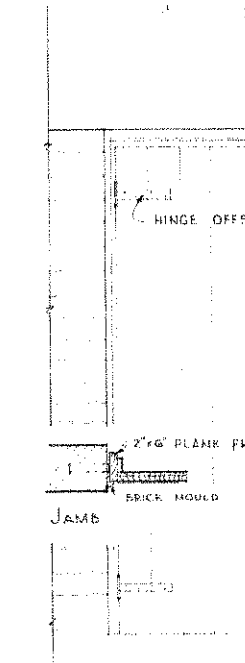


HORIZONTAL SECTION

TYPICAL WINDOW DETAILS
SCALE 3/4" = 1'-0"



VERTICAL SECTION



PART ELEVATION

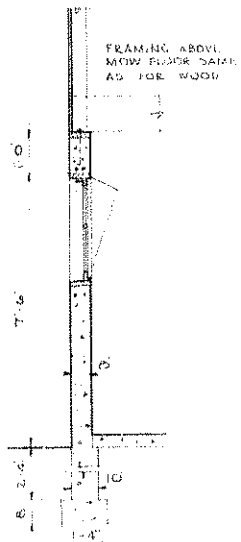
TYPICAL DOOR DETAILS
SCALE 3/4" = 1'-0"



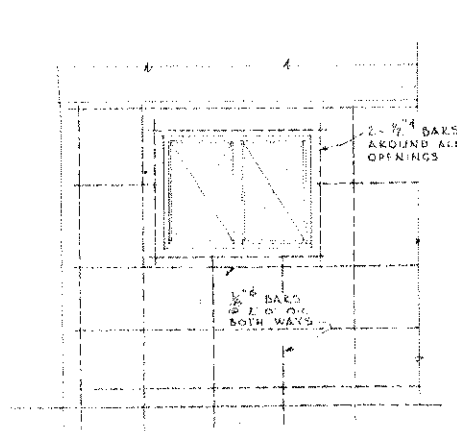
HEAD

STEEL LINTELS
STEEL LINTELS AS SHOWN ABOVE SHALL CONSIST OF 2 ANGLES 3 1/2" x 3 1/2" x 5/8" AND SHALL BE EQUAL IN LENGTH TO THE WIDTH OF THE OPENING PLUS 10"

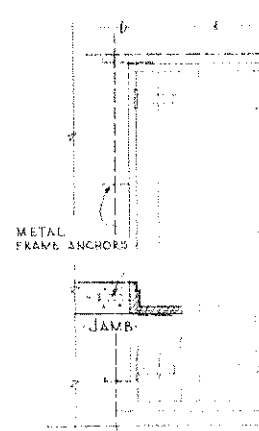
TYPICAL CONCRETE OR TILE MASONRY DETAILS



TYPICAL WALL SECTION
SCALE 3/8" = 1'-0"



TYPICAL WALL ELEVATION
SCALE 3/4" = 1'-0"



TYPICAL DOOR DETAILS
SCALE 3/4" = 1'-0"



HEAD

ON ALL OPENINGS THE PLANK FRAME SHALL BE MADE FULL 1/2" WIDE AND TACKED IN PLACE IN THE FORMS BEFORE THE CONCRETE IS PLACED.

TYPICAL DETAILS FOR MONOLITHIC CONCRETE WALL

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DAIRY BARN

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