

CONSTRUCTION PLAN

PRACTICE(S) _____

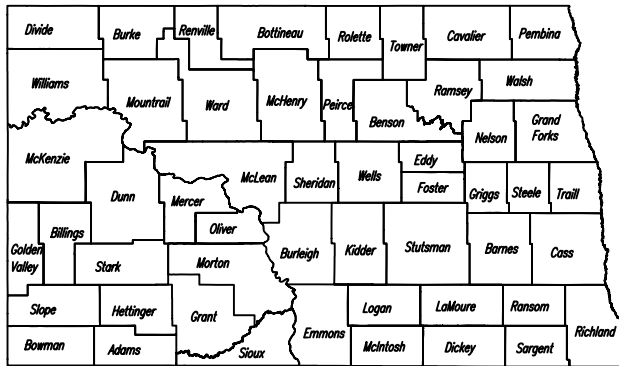
LANDOWNER _____

ADDRESS _____

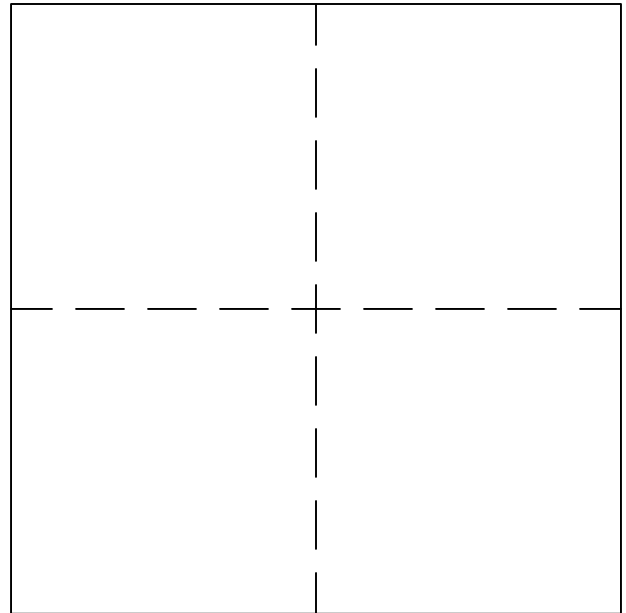
LANDOWNER PHONE NO. _____ COUNTY _____

TOWNSHIP _____ T _____ N, R _____ W, Sec. _____

FIELD OFFICE _____ TELEPHONE NO. _____



Not to Scale



LOCATION MAP

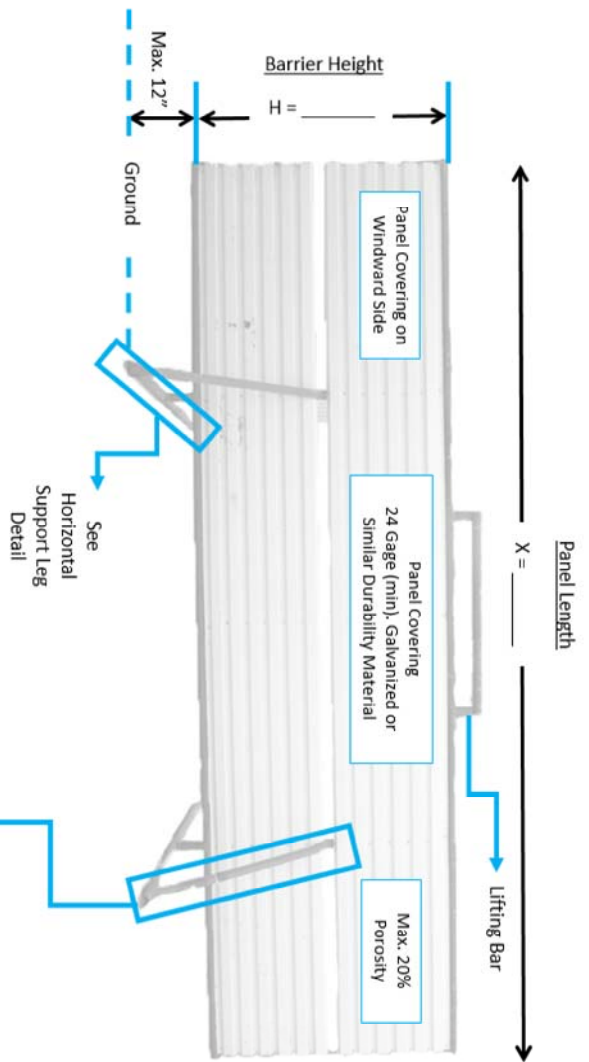
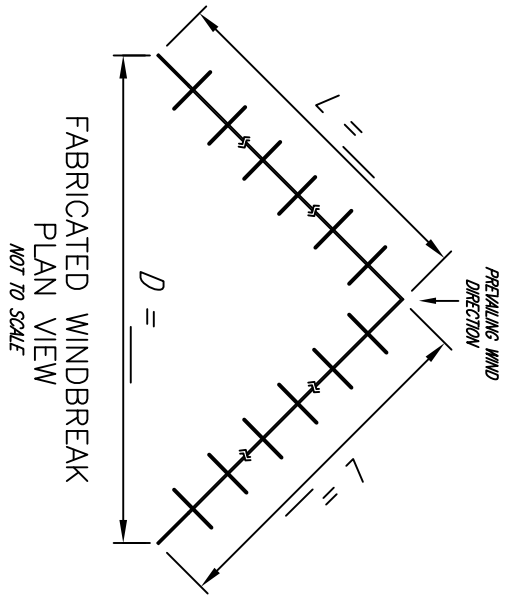
JOB APPROVAL AUTHORITY		
Practice Name	Code	JAC

TOTAL ESTIMATED QUANTITIES		
ITEM	UNIT	Est. Qty.

GENERAL NOTES:

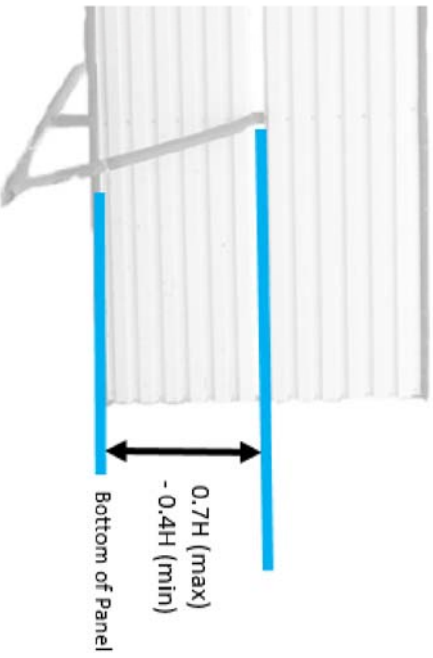
1. The Contractor is responsible for the notification of all utility companies affected by the project. The Contractor is responsible for giving the notice by calling the North Dakota One-call at 1-800-795-0555 at least 48 hours prior to any excavation work.
2. The Owner is responsible for acquiring all necessary approvals, permits, and easements in regards to the installation of this project. The Owner and Contractor are responsible for compliance with all ordinances and laws pertaining to the installation of the project.
3. The Contractor will be responsible for final erosion control measures, as required by regulatory agency permits for the project.

FABRICATED WINDBREAK – WINDWARD SIDE

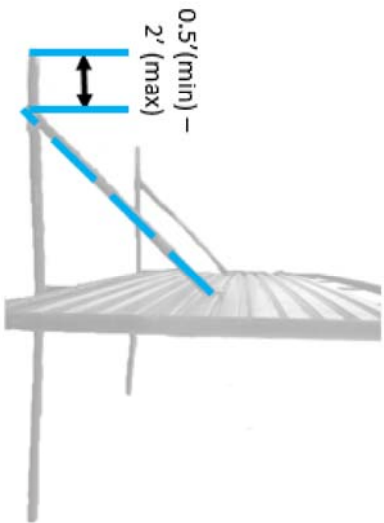


Note: diagonal support brace may be on either the windward side or leeward side.
See Diagonal Support Brace Detail

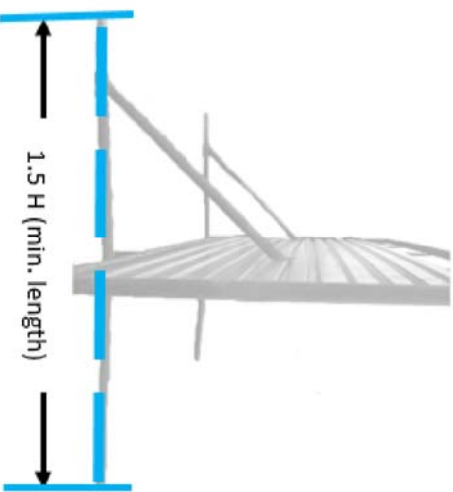
DIAGONAL SUPPORT BRACE
DETAIL – FRONT VIEW



DIAGONAL SUPPORT BRACE
DETAIL – SIDE VIEW



HORIZONTAL SUPPORT LEG DETAIL
DETAIL – SIDE VIEW



File Name	ND-25
DWG Number	
Designed	S.O. Standard
Drawn	Nicholas Reynolds
Checked	
Approved	

Portable Windbreak (Sheet 1 of 2)

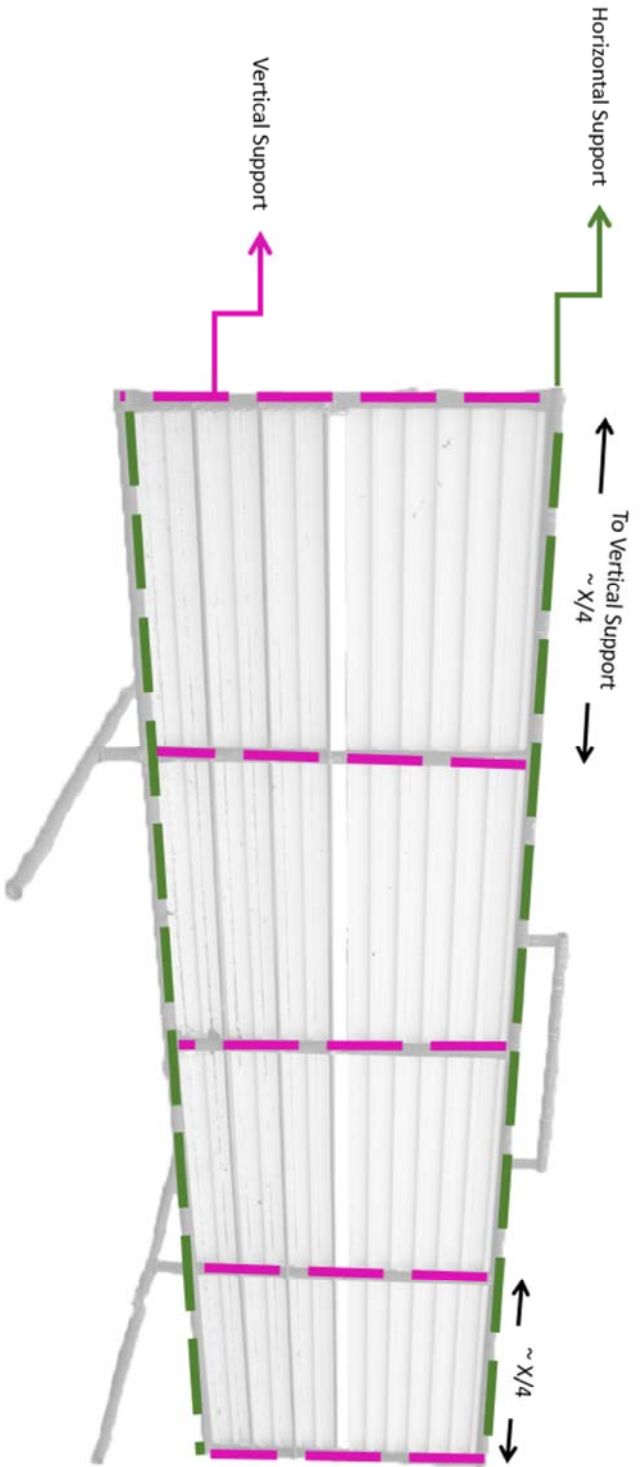
OWNER: _____
COUNTY: _____



United States
Department of
Agriculture

Sheet of

FABRICATED WINDBREAK – LEEWARD SIDE



CONSTRUCTION NOTES

1. NORTH DAKOTA NRCS SPECIFICATION 576 – LIVESTOCK SHELTER STRUCTURE MUST BE USED IN CONJUNCTION WITH THIS DRAWING.
2. PANEL COVERING SHALL BE A MINIMUM 24 GAGE GALVANIZED STEEL, OR SIMILAR DURABILITY MATERIAL. PANELS SHOULD BE BOLTED OR SCREWED TO THE WINDWARD SIDE OF THE PANEL FRAME UTILIZING BOLTS, SELF-TOPPERS, RIVETS OR PLUG WELDS. PANEL SHALL HAVE MAXIMUM POROSITY OF 20 PERCENT.
3. DIAGONAL SUPPORT BRACES MAY BE ATTACHED TO WINDWARD OR LEEWARD SIDE OF PANEL. DIAGONAL SUPPORT BRACES SHALL BE BOLTED OR WELDED TO HORIZONTAL LEGS AS SHOWN, ASSUMING A LEG LENGTH OF 1.5H.
4. STEEL MEMBERS SHALL BE MALLEABLE, WELDABLE, CARBON STEEL. BOLTS, TAPPING SCREWS, RODS, NUTS, WASHERS AND OTHER HARDWARE SHALL BE AN APPROPRIATE GRADE OF GALVANIZED STEEL. THE USE OF RUBBER WASHERS IS PREFERRED.
5. STRUCTURES SHALL BE INSTALLED ACCURATELY TO THE DIMENSIONS SHOWN ON THE DRAWINGS.
6. BOLT HOLES SHALL BE DRILLED FOR A SNUG FIT.
7. WELDED CONNECTIONS SHALL BE CONTINUOUS AND EXTEND THE FULL LENGTH OF THE JOINT WHERE APPLICABLE. WELDS SHALL BE FREE OF SURFACE FLAWS INCLUDING CRACKS, POROSITY AND UNFILLED CRATERS.
8. LIFTING BAR, OR ALTERNATIVE, SHALL BE PROVIDED FOR MOVING PANELS.
9. RECOMMENDED TO PROVIDE A SEPARATE RUBBING BAR ON DOWNWIND SIDE OF PANELS TO HELP PROTECT AGAINST LIVESTOCK DAMAGE.
10. ANCHORING IS RECOMMENDED AND CAN BE ACHIEVED THROUGH A NUMBER OF METHODS INCLUDING SOIL ANCHORS AND PLACEMENT OF WEIGHTED ITEMS ON THE LEGS OF THE STRUCTURE.
11. LINKING ADJACENT PANELS TOGETHER IS RECOMMENDED.
12. STRUCTURAL DEVIATIONS FROM THIS DRAWING MUST BE REVIEWED AND CERTIFIED BY A NORTH DAKOTA REGISTERED PROFESSIONAL ENGINEER BASED ON DESIGN CRITERIA IN THE NORTH DAKOTA NRCS LIVESTOCK SHELTER STRUCTURE STANDARQ.

Date

Designed S.O. Standard May 2016

Drawn Nicholas Reynolds May 2016

Checked _____

Approved _____

Portable Windbreak (Sheet 2 of 2)

OWNER: _____

COUNTY: _____



United States
Department of
Agriculture

Natural Resources
Conservation Service

File Name

ND-25

DWG Number

Sheet of