Agenda Item: 9.

MEMORANDUM

TO: Programs Projects and Operations Subcommittee

FROM: Terry Schumacher, Land & Water Programs Coordinator

SUBJECT: Review and Recommendation of Maintenance Shop design/bid plan for Kramper Lake/Danish Alps State Recreation Area Project

DATE: October 1, 2014

On May 14, 2014, the Board approved an Interlocal Agreement with the Nebraska Game and Parks Commission for the management of the Kramper Lake/Danish Alps State Recreation Area. This agreement was executed by both parties in June of 2014. Item 10. (e), outlines that the District is responsible for construction of a maintenance/shop storage facility upon the property with a minimum size of 30 ft. X 48 ft. available for use by the Commission.

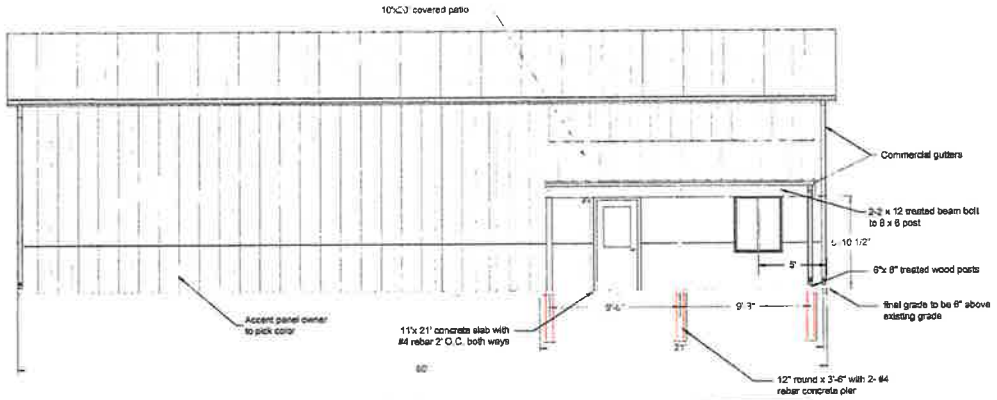
District and Commission staff have been working together to implement a plan to complete construction of the maintenance shop in a timely and fiscally responsible manner. This coordination has led to a plan that includes that the NGPC engineering staff will provide design services, advertise and facilitate the bid process, and provide construction inspection and report findings to the NRD. The NRD Board will approve the best bid, award a contract and be responsible for invoicing and payment processes related to the construction of the facility.

Attached is a draft of the proposed design of the Maintenance Shop and Security Fence. Also included in the plans is a pole shed used for storage, this is intended to be bid as an alternate. It is intended and agreed to that the District Staff located in Thurston/Dakota County would be able to utilize the shop and yard for equipment maintenance and storage.

The FY 2015 budget includes $175,000.00 dollars for construction of the Maintenance Shop and Security Fence at the Kramper Lake/Danish Alps Recreation Area.

Management recommends that the Subcommittee recommend to the Board that the District Staff be authorized to continue to work with the Nebraska Game and Parks Commission Staff to prepare a final design, advertise for bids, and supervise construction of the Maintenance Shop, Security Fence and Pole Shed at the Kramper Lake/Danish Alps State Recreation Area Project.

New Shop Danish Alps S.R.A.



South Elevation
Scale 1/4" = 1'-0"

Contractor may use 2 x 4 interior walls

If building is a wood structure then all the exterior walls are to be 2 x 6.

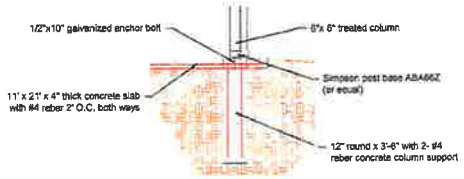
Second floor is design for 125 lb. per sq. ft. (live load)

New shop building and pole shed will require a full set of shop drawings with foundation design.
The structural design loads to meet IBC 2009 and will be stamped and signed by a licensed Engineer in the State of Nebraska.

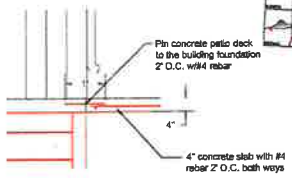
Base Bid: Completion of a 30' x 80' shop building with perimeter 8' high chain link fence, and finish grading as drawn.

Alternate Bid 1: Extend shop building by 10' to be 30' x 90'

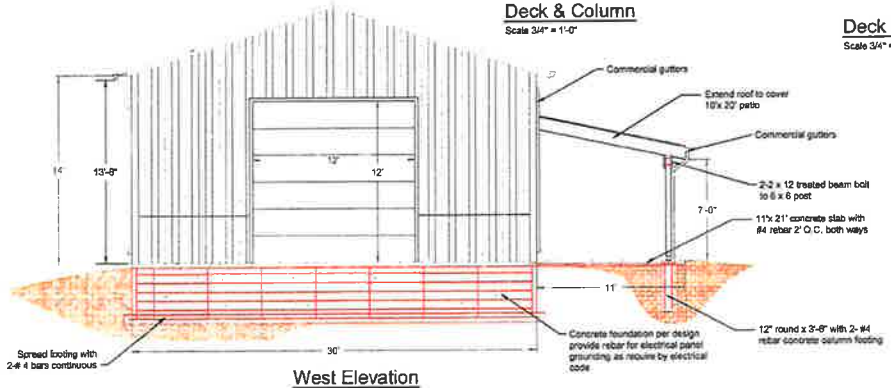
Alternate Bid 2: Completion of a 30' x 49' pole shed as drawn.



Deck & Column
Scale 3/4" = 1'-0"



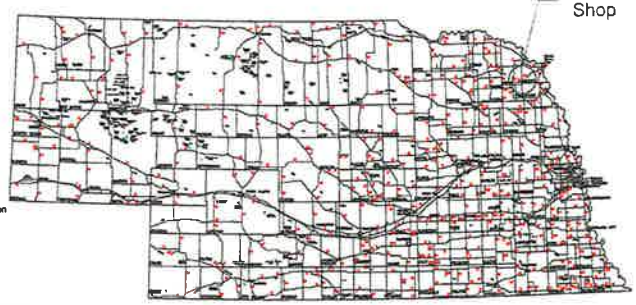
Deck Detail
Scale 3/4" = 1'-0"



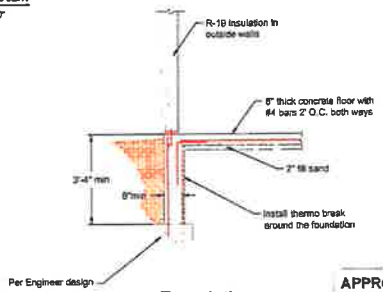
West Elevation
Scale 1/4" = 1'-0"

Site Map
No Scale

Location of New Shop



Nebraska Map
No Scale



Foundation
Scale 1/2" = 1'-0"

Index of Drawings

Sheet 1 of 4	Location maps, Foundation, Deck & Column, Elevations, Details
Sheet 2 of 4	Floor Plan, Elevations, Cross Section
Sheet 3 of 4	Electrical Plan, 2nd Floor Joists Details, Cross Section, Water Heater
Sheet 4 of 4	Security Fence Details, Pole Shed, Site Plan

APPROVED

ASST. DIRECTOR DATE

DIVISION CHIEF DATE

NEBRASKA GAME AND PARKS COMMISSION

ENGINEERING DIVISION

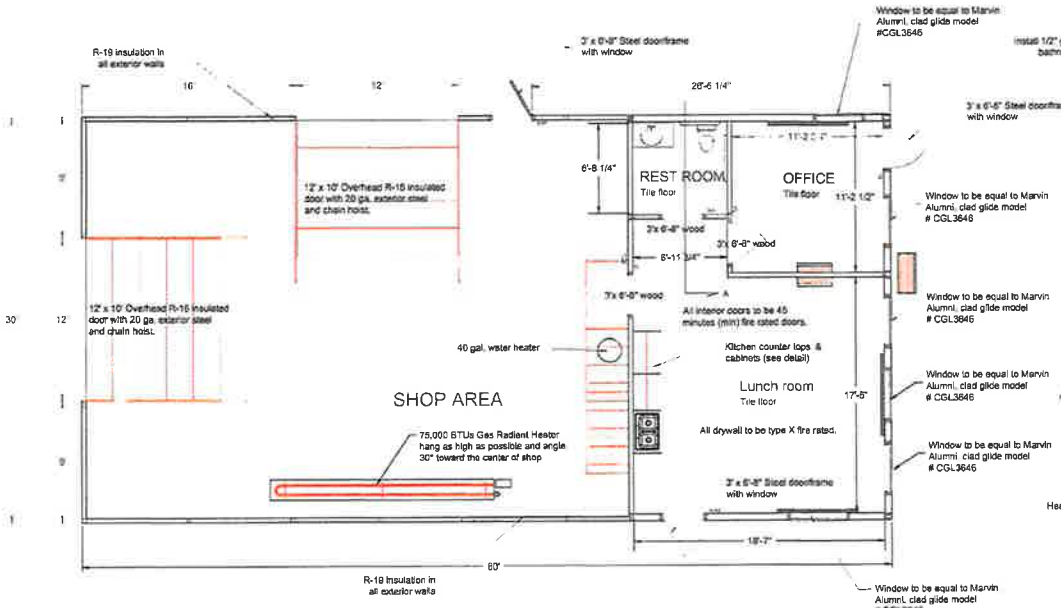
SHEET NUMBER 1 of 4

PROJECT NEW SHOP

LOCATION DANISH ALPS

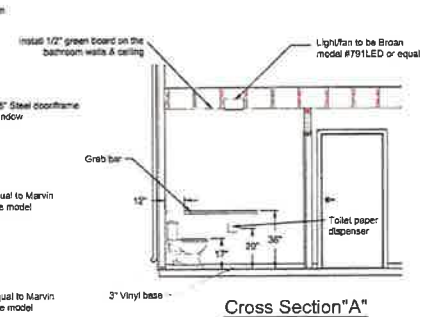
DRAWING CONTAINS State Map, Location Map, Foundation Deck & Column, Elevations

DESIGNED/DRAWN BY J BROMAN SEPT. 2014



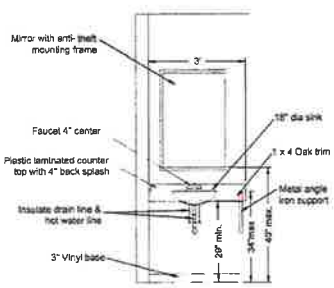
Floor Plan

Scale 1/4" = 1'-0"



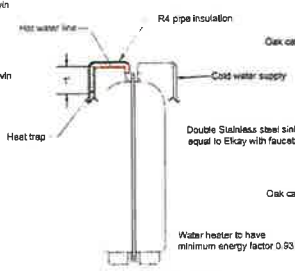
Cross Section"A"

Scale 3/8" = 1'-0"



Vanity Detail

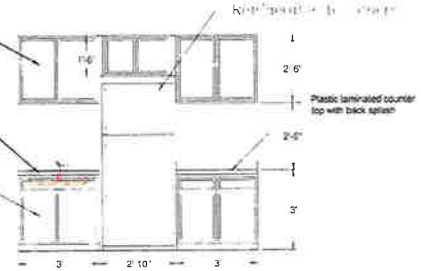
No scale



Note: Heat trap is required by the I.E.C.C.

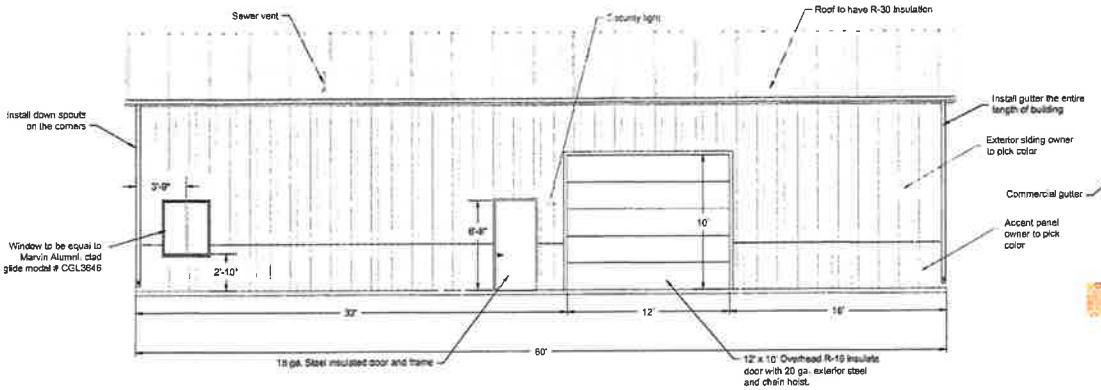
Water Heater

No Scale



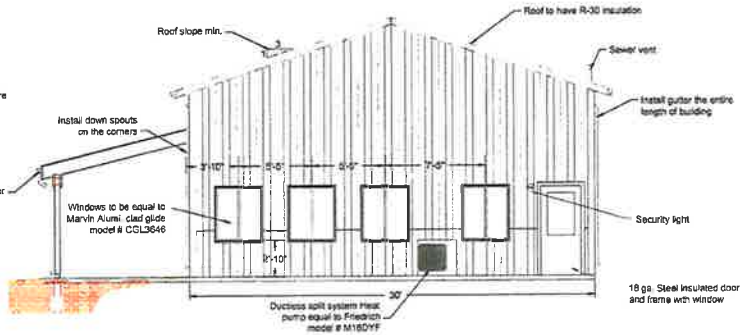
Kitchen Cabinet

Scale 1/2" = 1'-0"



North Elevation

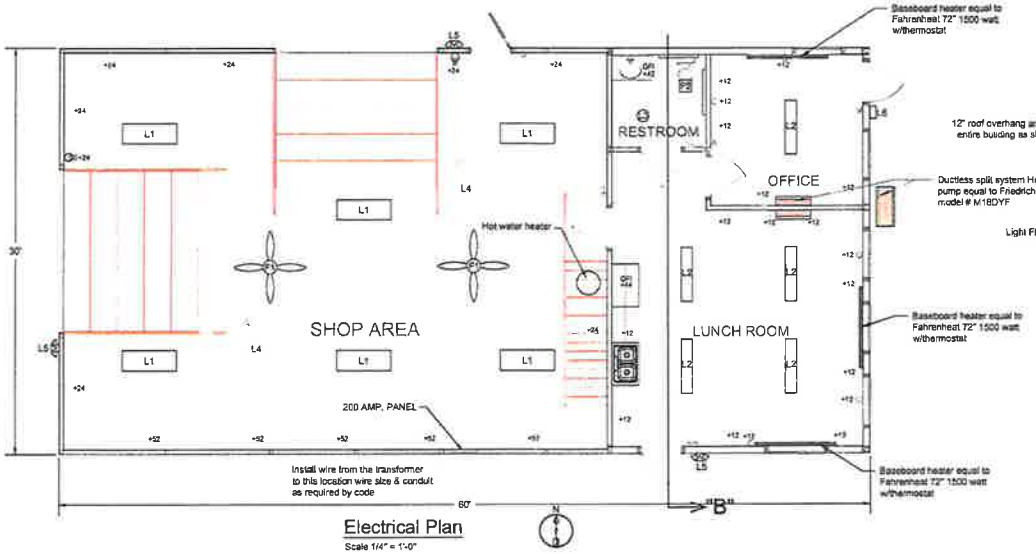
Scale 1/4" = 1'-0"



East Elevation

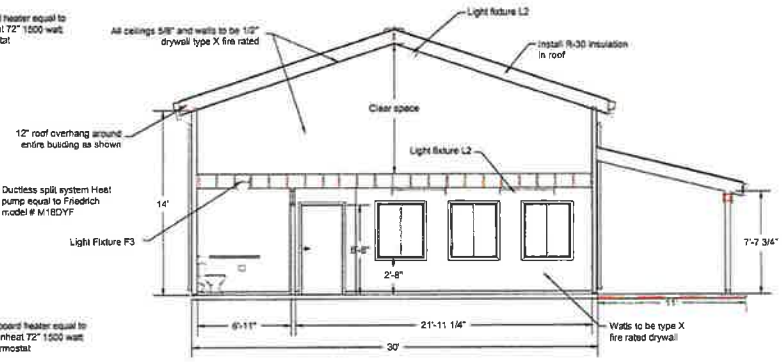
Scale 1/4" = 1'-0"

NEBRASKA GAME AND PARKS COMMISSION		ENGINEERING DIVISION
SHEET NUMBER 2 of 4	PROJECT NEW SHOP	
	LOCATION DANISH ALPS	
	DRAWING CONTAINS Floor Plan, North Elevation, East Elevation Cross Section A, Water Heater, Details	DESIGN/DRAWN BY J BROMAN SEPT. 2014



Electrical Plan

Scale 1/4" = 1'-0"



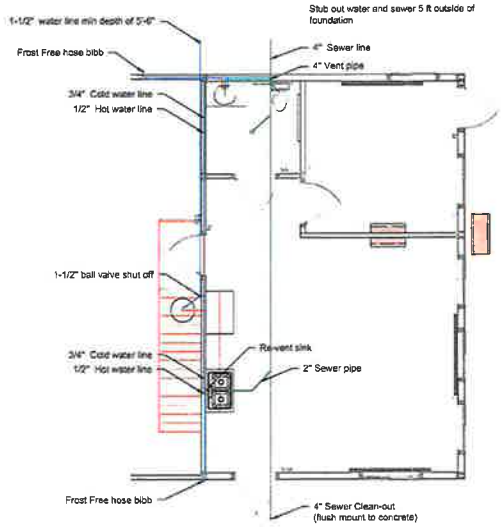
Cross Section "B"

Scale 1/4" = 1'-0"

ELECTRICAL SCHEDULE

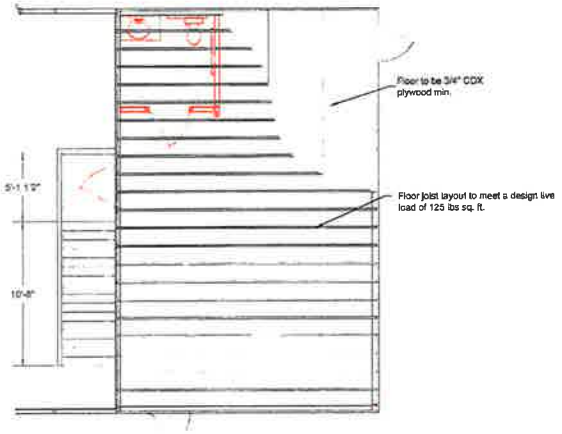
SYMBOL	FIXTURE	MANUFACTURE	MODEL NUMBER	QUANITY	LAMP NUMBER
L1	FLUORESCENT LIGHT FIXTURE	Lithonia Lighting	DMW	6	32WT8
L2	FLUORESCENT LIGHT FIXTURE	Lithonia Lighting	ST4	8	32WT8
L3	FLUORESCENT LIGHT FIXTURE	Lithonia Lighting	FMLRL 51	1	14841
L4	CORD REEL LIGHT	LUMPRO	N/A	2	N/A
L5	FLOODLIGHT	Lithonia Lighting	6FLR 8 WD	3	BLN
L6	WALL FIXTURE	Lithonia Lighting	TWA	1	
F1	CEILING FAN	DAYTON	3MPZ3	2	N/A
F2	CEILING FAN	BROAN	90880	1	N/A
S	WALL SWITCH	LEVITON	1451-2W	6	N/A
S3	THREE WAY SWITCH	LEVITON	1453-2W	6	N/A
OX	2 POLE 3 WIRE DUPLEX	LEVITON	5320-I	22	N/A
GFI	120/250 RECEPTACLES	HUBBELL	AS REQUIRED	3	N/A
□	DATA PORTS-INSTALL BOXES AND RUN CONDUIT AS REQUIRED			7	N/A

* All elements "equal to or better" that is shown



Plumbing Plan

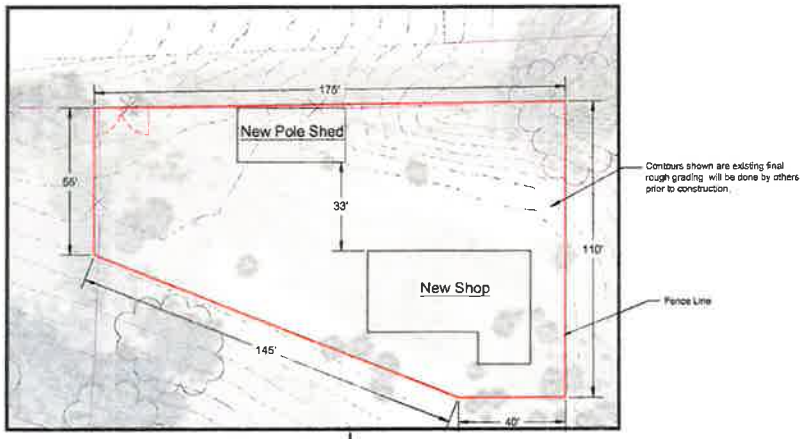
Scale 1/4" = 1'-0"



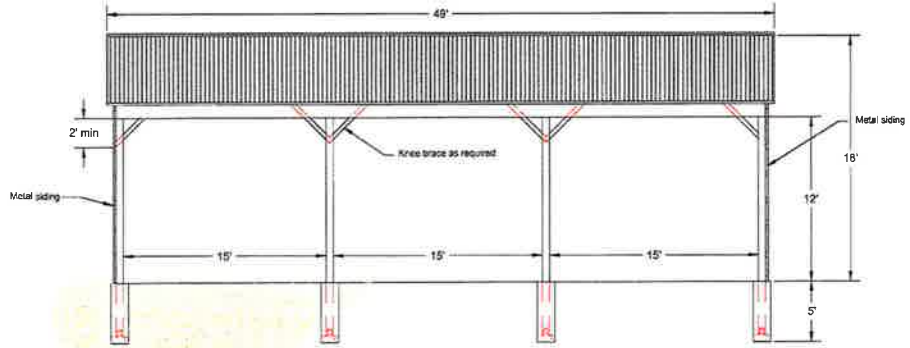
2nd Floor Joists Detail

Scale 1/4" = 1'-0"

NEBRASKA GAME AND PARKS COMMISSION	ENGINEERING DIVISION
SHEET NUMBER 3 of 4	PROJECT NEW SHOP
	LOCATION DANISH ALPS
	DRAWING CONTAINS Electrical, Plumbing Plan, 2nd Floor Joists Detail, Cross Section B
	DESIGNED/DRAWN BY J. BROMAN SEPT. 2014



Site Plan View
Scale 1" = 50'



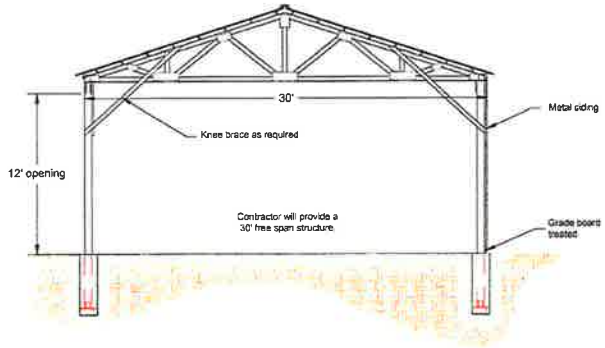
Pole Shed Detail (Alternate Bid)
No Scale

ESTIMATED QUANTITIES		
6' CHAIN LINK FENCE W/ 2 STRAND BARBED WIRE	520	L.F.
20' DOUBLE SWING GATE W/ 2 STRAND BARBED WIRE	1	EACH

Contractor will be required to contact diggers hot line before work can proceed.

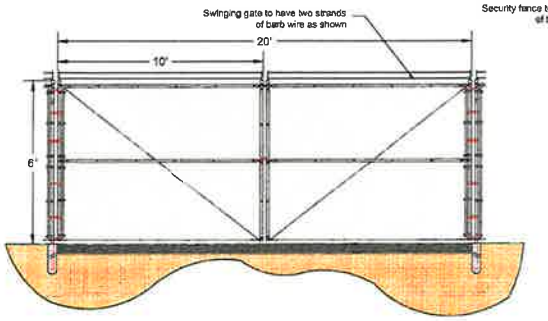
Contractor will repair any damage to water lines, electrical lines if they have been marked properly prior to the start of construction and are damage during construction.

Contractor will be required to notify owners on any tree trimming construction of fence.

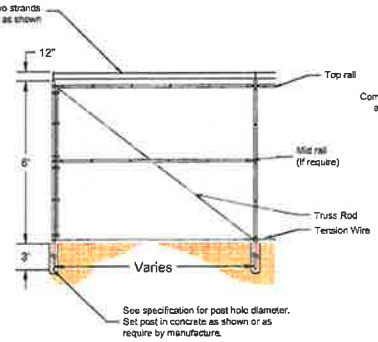


Cross Section Detail
No Scale

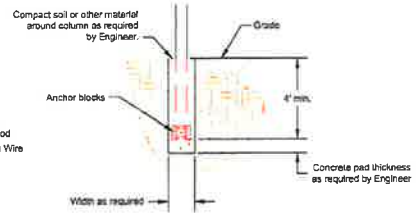
New shop building and pole shed will require a full set of shop drawings with foundation design.
The structural design loads to meet IBC 2009 and will be stamped and signed by a licensed Engineer in the State of Nebraska.



Gate Profile View
No Scale



Fence Profile View
No Scale



Footing Details
No Scale

NEBRASKA GAME AND PARKS COMMISSION	ENGINEERING DIVISION
SHEET NUMBER 4 OF 4	PROJECT NEW SHOP
	LOCATION DAWES ALPS
	DRAWING CONTAINS Security Fence Details Pole Shed Details
	DESIGN/DRAWN BY J BRONIAN SEPT. 2014