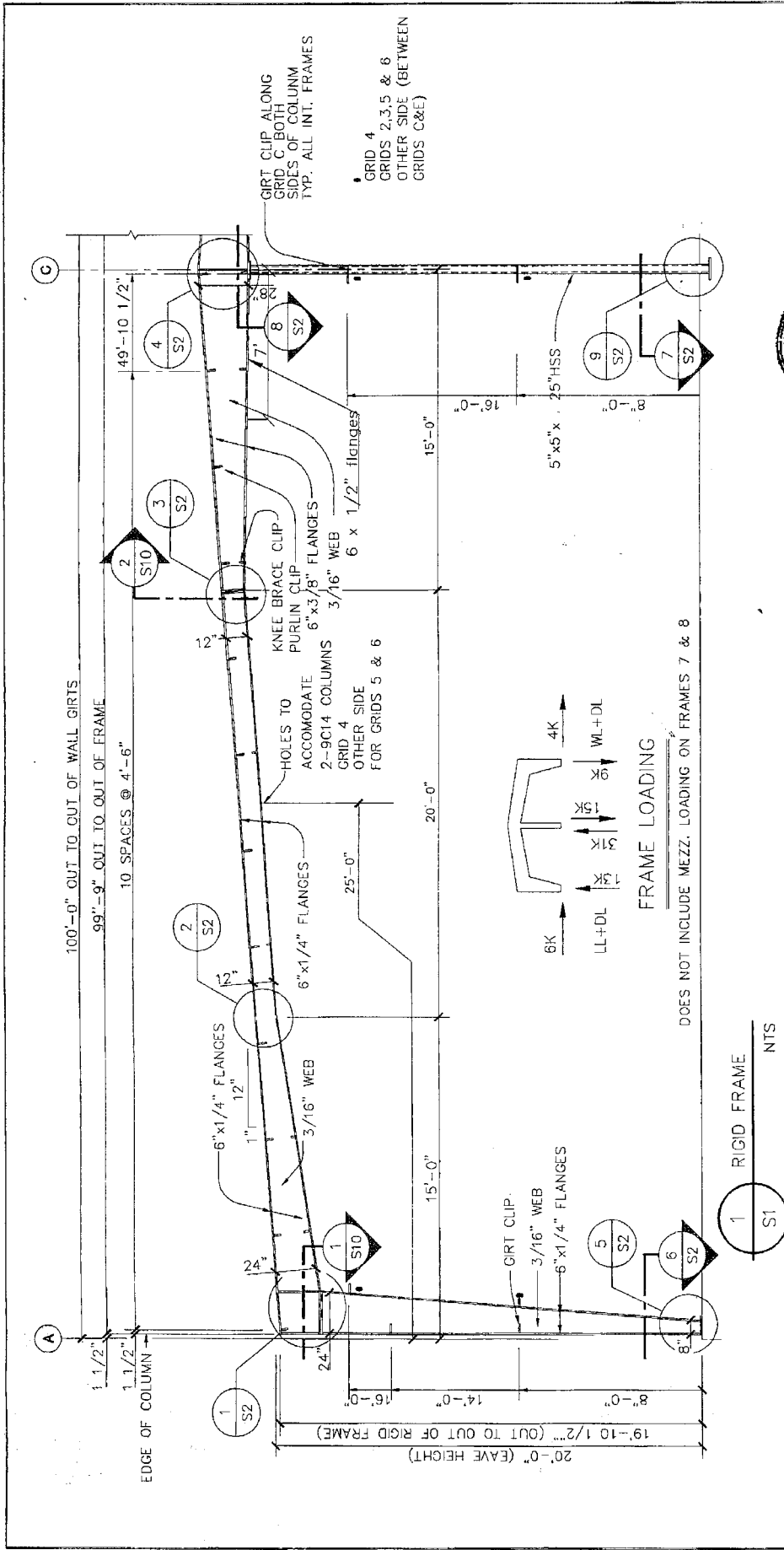


September Bi-weekly

I-212681

100' x 200' Steel Building Package

0



Roziere Engineering Ltd.
1234 Wellington Crescent, Winnipeg
Manitoba, Canada, R3N 0A8
Tel/Fax (204) 489 2772

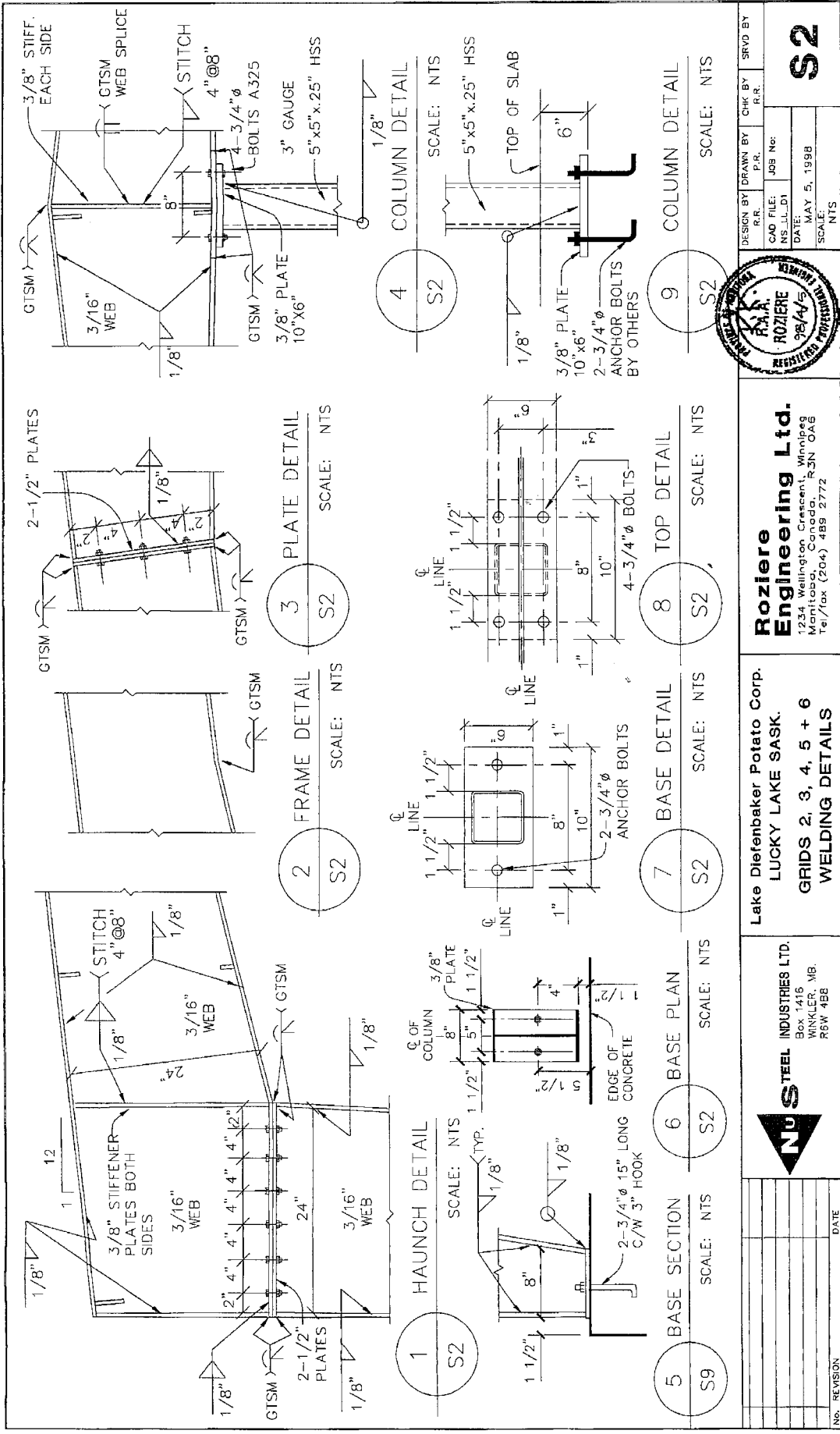
Lake Diefenbaker Potato Corp.
LUCKY LAKE SASK.
RIGID FRAME SECTION
GRID LINE 2, 3, 4, 5, + 6

NU STEEL INDUSTRIES LTD.
Box 1416
WINKLER, MB.
R6W 4B8

No.	REVISION	DATE
1	Bottom flanges size	25/05/98

DESIGN BY	DRAWN BY	CHK BY	SRVD BY
R.R.	P.R.	P.R.	R.R.
CAD FILE:	JOB No:		
ASB10020			
DATE:			
MAY 5, 1998			
SCALE:			
3/16" = 1'-0"			

S1

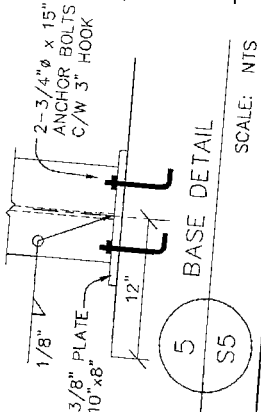
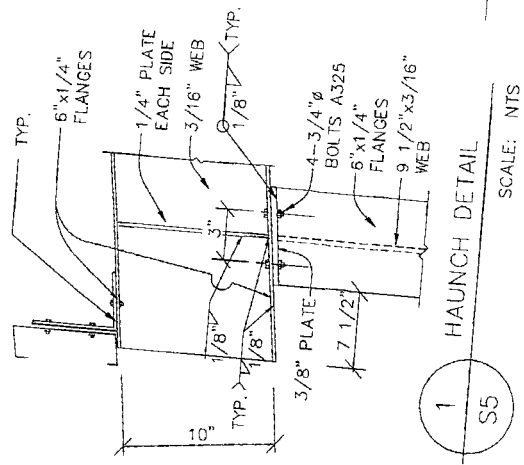
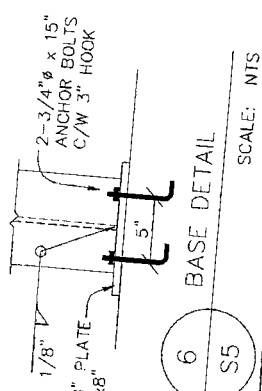
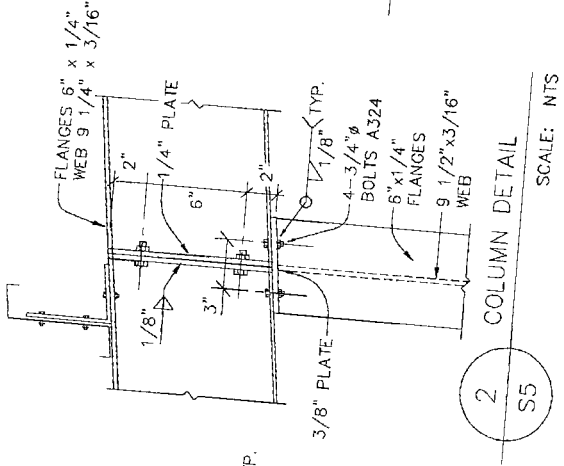
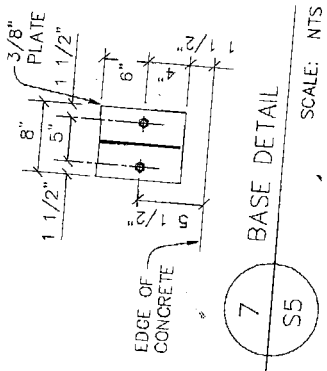
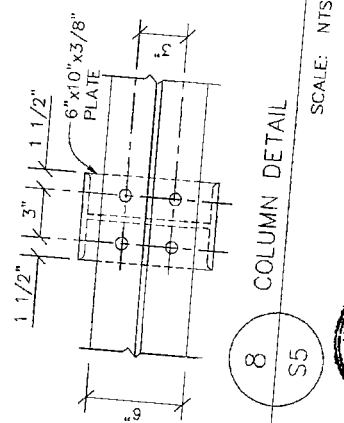
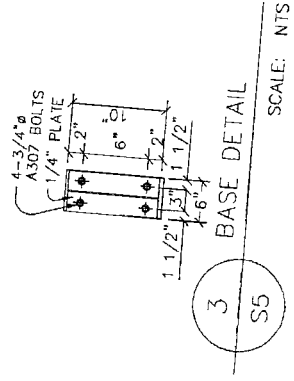
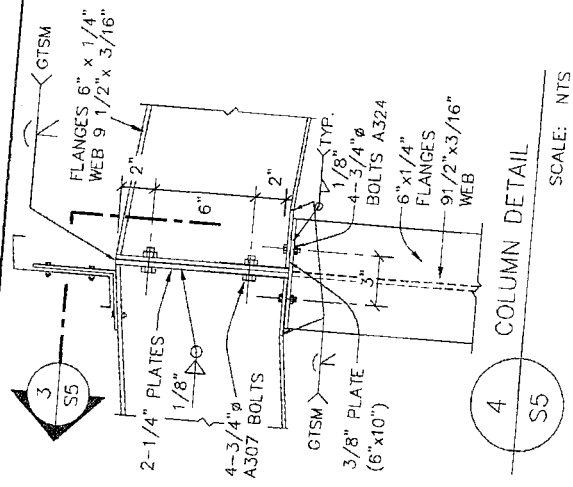


Lake Diefenbaker Potato Corp.
LUCKY LAKE SASK.
GRIDS 2, 3, 4, 5 + 6
WELDING DETAILS

NU STEEL INDUSTRIES LTD.
Box 1416
WINKLER, MB.
R6W 4B8

Roziere Engineering Ltd.
1234 Wellington Crescent, Winnipeg
Manitoba, Canada, R3N 0A8
Tel/fax (204) 489 2772

DESIGN BY: DRAWN BY: CHK BY: SRVD BY:
R.R. P.R. R.R.
JOB No:
CAD FILE: NS-LL-DI
DATE: MAY 5, 1998
SCALE: NTS
S2



NO.	REVISION	DATE
1	Change flange sizes	12/05/98

NU STEEL INDUSTRIES LTD.
Box 1416
WINKLER, MB.
R6W 4B8

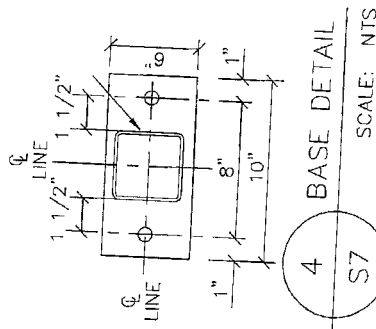
Lake Diefenbaker Potato Corp.
Lucky Lake, Sask.
Endwall Frame Details
GRIDS 1 AND 11

Roziere Engineering Ltd.
1234 Wellington Crescent, Winnipeg
Manitoba, Canada R3N 0A8
Tel/fax (204) 489-2772



DESIGN BY	DRAWN BY	CHK BY	SRVD BY
R.R.	P.R.	R.R.	R.R.
CAD FILE:	JOB No:		
NEST0020			
DATE:	MAY 5, 1998		
SCALE:	AS SHOWN		

S5

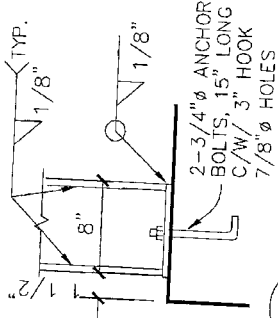


1 HAUNCH DETAIL
S7 SCALE: NTS

COLUMN DETAIL

SCALE: NTS

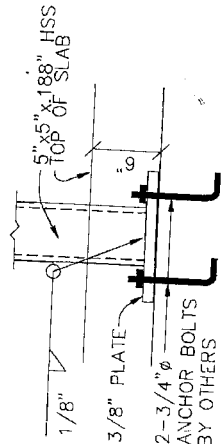
3 PEAK DETAIL S7 SCALE: 1 OF 2



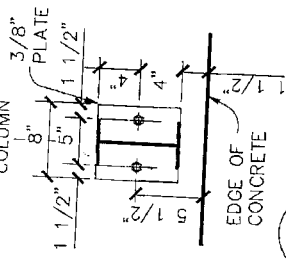
5 BASE DETAIL

S7

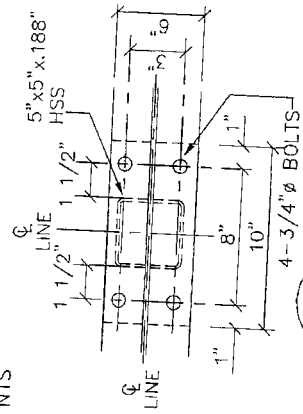
SCALE: NTS



6 COLUMN DETAIL
S7 SCALE: NTS



7 BASE DETAILS
S7 SCALE: NTS



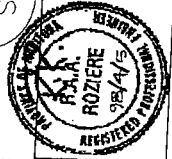
8	TOP DETAIL	SCALE: N
S7		

[illegible]

STEEL INDUSTRIES LTD.
Box 1416
WINKLER, MB.
R6W 4B8

Lake Diefenbaker Potato Corp.
Lucky Lake, Sask.

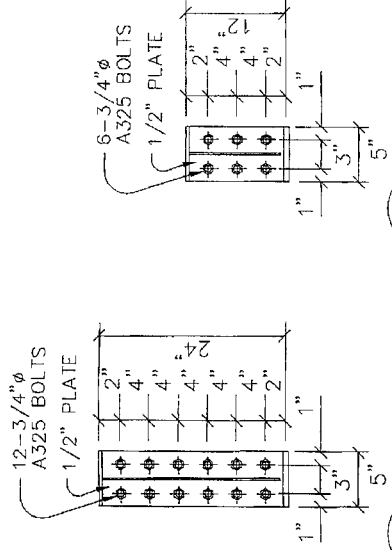
**Roziere
Engineering Ltd.**
1234 Wellington Crescent, Winnipeg
Manitoba, Canada, R3N 0A8
Tel/fax (204) 489 2772



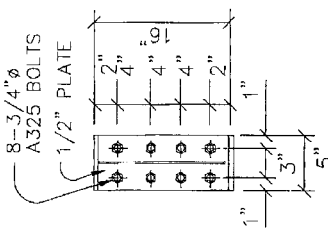
DESIGN BY	DRAWN BY	CHK BY	SRVD BY
R.R.	P.R.	P.R.	
CAD FILE:	JOB No:		
NS000XFS			
DATE:			
	MAY 5, 1998		
SCALE:	1/4" = 1'-0"		



DESIGN BY R.R.	DRAWN BY P.R.	CHK BY R.R.	SVD BY
CAD FILE:	JOB No:		
NS_LL_D2			
DATE:	MAY 5, 1998		
SCALE:	NTS		



1 Plate Detail
SCALE: NTS
S10



2 Plate Detail
SCALE: NTS
S10

NOTES:

THE DESIGN OF THE FRAME CONFORMS TO NBC & CSA SPEC. S16.1, COLD FORMED STRUCT. MEMBERS TO CONFORM TO CSA SPEC. S136

GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL SHALL CONFORM TO CSA SPECIFICATION C40.20

HOT ROLLED

FLANGES $f_y = 44$ ksi
WEBS $f_y = 36$ ksi
OTHER $f_y = 36$ ksi

COLD ROLLED

$F_y = 48$ Ksi

WF SECTIONS

$f_y = 44$ ksi

ALL WELDING TO CONFORM TO CSA SPECIFICATIONS:

W 59, W47.1, W53.3, W17.2

WELDING SHALL BE DONE BY QUALIFIED WELDERS USING THE PROPER ELECTRODE FOR THE WELD BEING PERFORMED.

USE FULL STRENGTH WELDING WHERE FLANGE AND WEB SPlicing REQUIRED, USING RUNOFF PLATES FOR THE FLANGES.

WHERE WELD SIZE IS NOT SHOWN USE FULL STRENGTH WELD WITH RUNOFF PLATES.

RIGID FRAME BOLTING

HIGH TENSILE BOLTS WITH HEAVY SEMI-FINISHED HEADS, HEAVY SEMI-FINISHED HEXAGON NUTS AND WASHERS SHALL CONFORM TO THE

REQUIREMENTS OF A.S.T.M. A-325 (OR BETTER). BOLTS SHALL BE INSTALLED WITH A HARDENED WASHER UNDER THE NUT OR BOLT HEAD, WHICHEVER IS THE ELEMENT BEING TURNED IN TIGHTENING.

GALVANIZED OR PLATED HIGH TENSILE BOLTS SHOULD HAVE LUBRICATION APPLIED TO THREADS TO REDUCE FRICTION.

HIGH TENSILE BOLTS SHALL BE TIGHTENED TO PRODUCE A MINIMUM TENSION LOAD IN THE BOLT OF 12,000 LBS FOR 1/2" BOLT, 28,000 LBS FOR 3/4" BOLT, 39,000 LBS FOR 7/8" BOLT, & 51,000 LBS FOR 1" BOLT. TURN OF THE NUT METHOD AND IMPACT WRENCHES ARE ACCEPTABLE MEANS OF ACHIEVING TENSION LOADS

LIGHT GAUGE BOLTING:

MACHINE BOLTS SHALL CONFORM TO A.S.T.M. A-307.

A STANDARD ROD/CABLE SHOE WITH FLAT WASHER SHALL BE INSTALLED AT EACH END OF DIAGONAL BRACING

ALL DIAGONAL RODS SHALL BE FABRICATED FROM STEEL CONFORMING TO A.S.T.M. A-36. ALL DIAGONAL CABLE SHALL BE FABRICATED FROM 1x7 GALVANIZED WIRE ROPE, EXTRA HIGH STRENGTH GRADE EQUAL TO U.S.S. AMERSTRAND.

TEMPORARY BRACING:

BUILDING TO BE ADEQUATELY BRACED DURING ALL STAGES OF ERECTION UNTIL PERMANENT BRACING IS INSTALLED.

STEEL SHEETING:

26 Ga. WALL CLADDING.

26 Ga. ROOF SHEETS

SPACE TEK SCREWS @ 6" O/C FOR THE PANEL TO STRUCTURAL CONNECTION ALONG:

A. BASE CHANNEL

B. EAVE PURLIN

C. RAKE ANGLE

D. DOOR JAMBS & HEADERS

E. AROUND WINDOW OR OTHER OPENING

F. ROOF RIDGE, EAVE AND GABLE

G. CORNER TRIM STITCH SCREWS TO SIDEWALL & ENDWALL PANELS

H. PANEL TO PANEL STITCH SCREW AT 12" ON CENTER.

IF THIS METHOD IS USED, NO ENDWALL CROSS BRACING IS REQUIRED.

THE CONTRACTOR SHALL RETAIN A QUALIFIED ENGINEER TO INSPECT THE FABRICATION & ERECTION OF THIS STEEL STRUCTURE TO ENSURE CONFORMITY TO THESE DRAWINGS.

FIELD VERIFY ALL EXISTING DIMENSIONS
DO NOT SCALE DRAWINGS

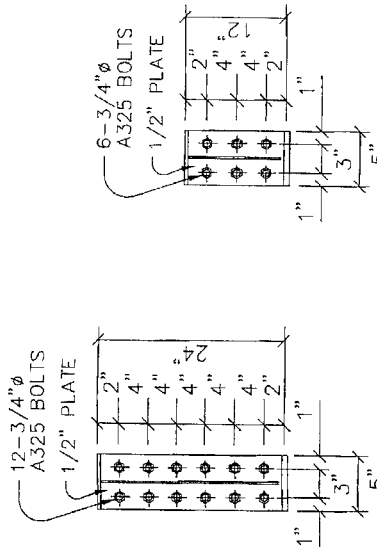


Lake Diefenbaker Potato Corp.
Luck Lake Sask.
FRAME DETAILS
AND NOTES

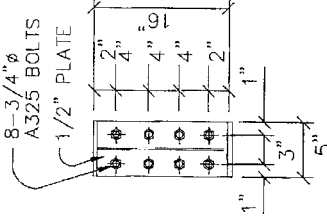
NU STEEL INDUSTRIES LTD.
Box 1416
WINKLER, MB.
R0W 4B6

Rozlere Engineering Ltd.
1234 Wellington Crescent, Winnipeg
Manitoba, Canada, R3N 0A6
Tel/fax (204) 489 2772

DESIGN BY	DRAWN BY	CHK BY	SVD BY
R.R.	P.R.	R.R.	
CAD FILE:	NS/L/FN	JOB No:	
DATE:	MAY 5, 1998	SCALE:	AS SHOWN
S10			



1 Plate Detail
SCALE: NTS
S10



2 Plate Detail
SCALE: NTS
S10

NOTES:

THE DESIGN OF THE FRAME CONFORMS TO NBC & CSA SPEC. S16.1. COLD FORMED STRUCT. MEMBERS TO CONFORM TO CSA SPEC. S136. GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL SHALL CONFORM TO CSA SPECIFICATION C40.20

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FLANGES fy 44 ksi
WEBS fy 36 ksi
OTHER fy 36 ksi

COLD ROLLED
fy = 48 ksi

WF SECTIONS
fy = 44 ksi
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TEMPORARY BRACING:
BUILDING TO BE ADEQUATELY BRACED DURING ALL STAGES OF ERECTION UNTIL PERMANENT BRACING IS INSTALLED.

STEEL SHEETING:
26 Ga. WALL CLADDING.
26 Ga. ROOF SHEETS
SPACE TEK SCREWS @ 6" O/C FOR THE PANEL TO STRUCTURAL CONNECTION ALONG:

- A. BASE CHANNEL
- B. EAVE PURLIN
- C. RAKE ANGLE
- D. DOOR JAMBS & HEADERS
- E. AROUND WINDOW OR OTHER OPENING
- F. ROOF RIDGE, EAVE AND GABLE
- G. CORNER TRIM, STITCH SCREWS TO SIDEWALL & ENDWALL PANELS
- H. PANEL, TO PANEL, STITCH SCREW AT 12" ON CENTER.

IF THIS METHOD IS USED, NO ENDWALL CROSS BRACING IS REQUIRED.

THE CONTRACTOR SHALL RETAIN A QUALIFIED ENGINEER TO INSPECT THE FABRICATION & ERECTION OF THIS STEEL STRUCTURE TO ENSURE CONFORMITY TO THESE DRAWINGS.

FIELD VERIFY ALL EXISTING DIMENSIONS
DO NOT SCALE DRAWINGS



Roziere Engineering Ltd.
1234 Wellington Crescent, Winnipeg
Manitoba, Canada, R3N 0A6
Tel/Fax (204) 489 2772

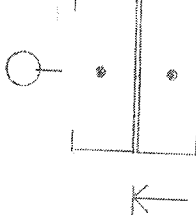
Lake Diefenbaker Potato Corp.
Luck Lake Sask.
FRAME DETAILS AND NOTES

NU STEEL INDUSTRIES LTD.
Box 1416
WINKLER, MB.
R6W 4B8

DESIGN BY R.R.	DRAWN BY P.R.	CHECK BY R.R.	SYNO BY
CAD FILE: NS_LL_FN	JOB No:		
DATE: MAY 5, 1998			
SCALE: AS SHOWN			

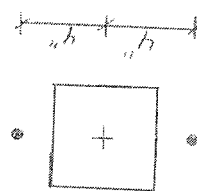
\$10

3/4" A.B. x 12" LONG
CLW 3" HOOK
ELEVATION 99.6



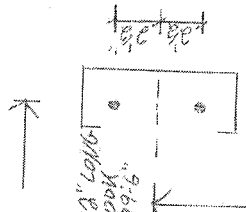
DETAIL C

A.B. 3/4" DIA x 15"
LONG CLW 3" HOOK
ELEVATION 99.6



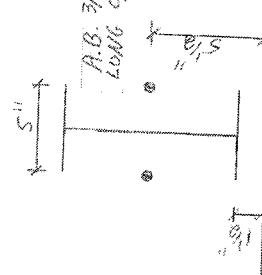
DETAIL B

3/4" A.B. x 12" LONG
CLW 3" HOOK
ELEVATION 99.6



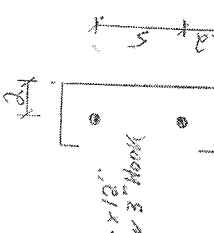
DETAIL F

A.B. 3/4" DIA x 15"
LONG CLW 3" HOOK



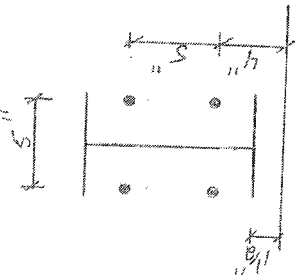
DETAIL A

3/4" A.B. x 12"
LONG CLW 3" HOOK

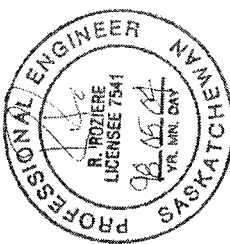


DETAIL E

A.B. 1" DIA x 20" LONG
CLW 3" HOOK

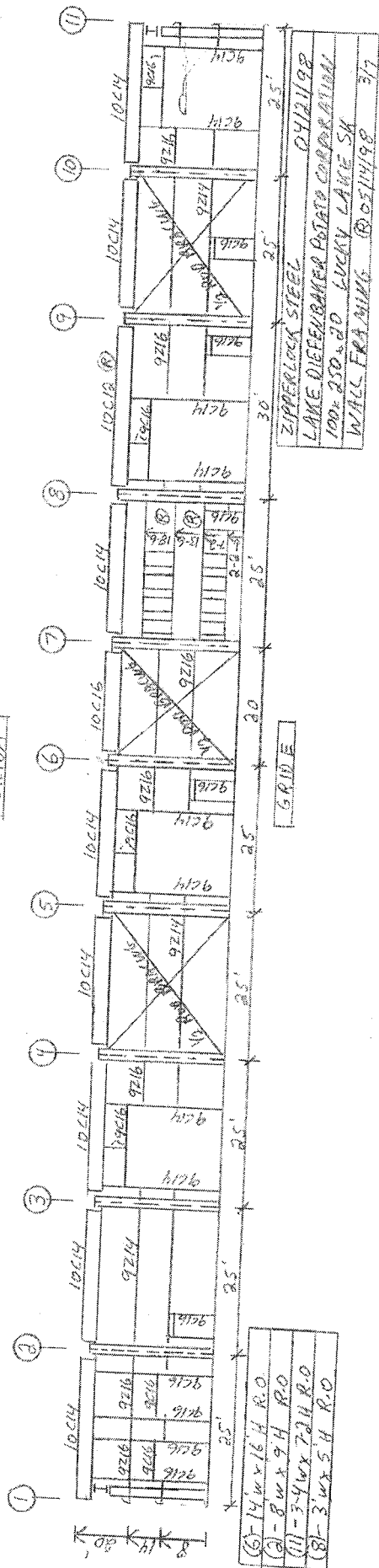
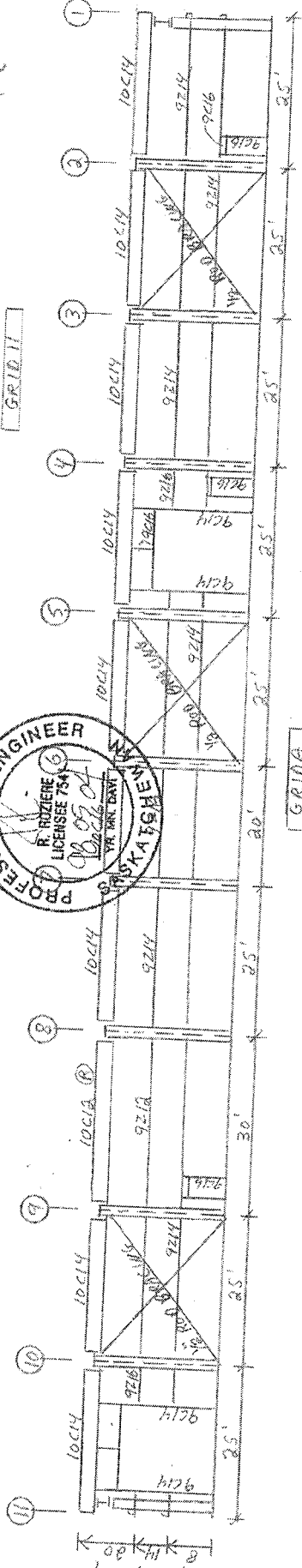
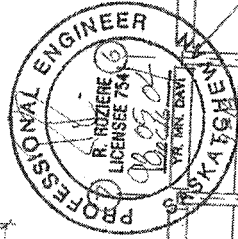
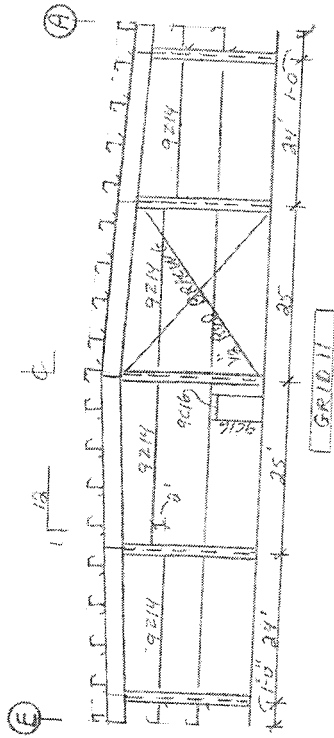
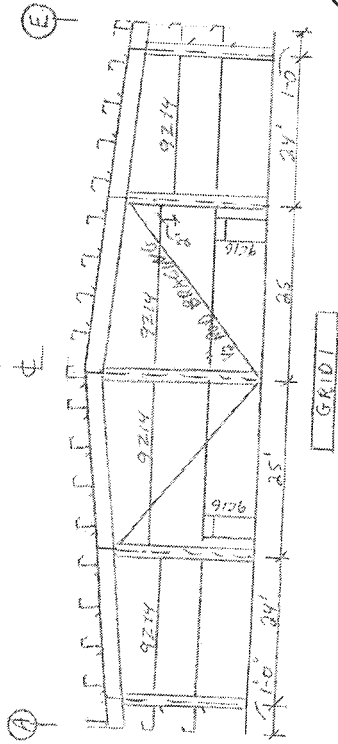


DETAIL G



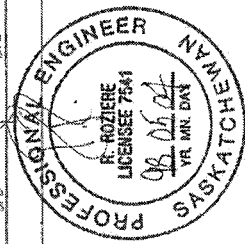
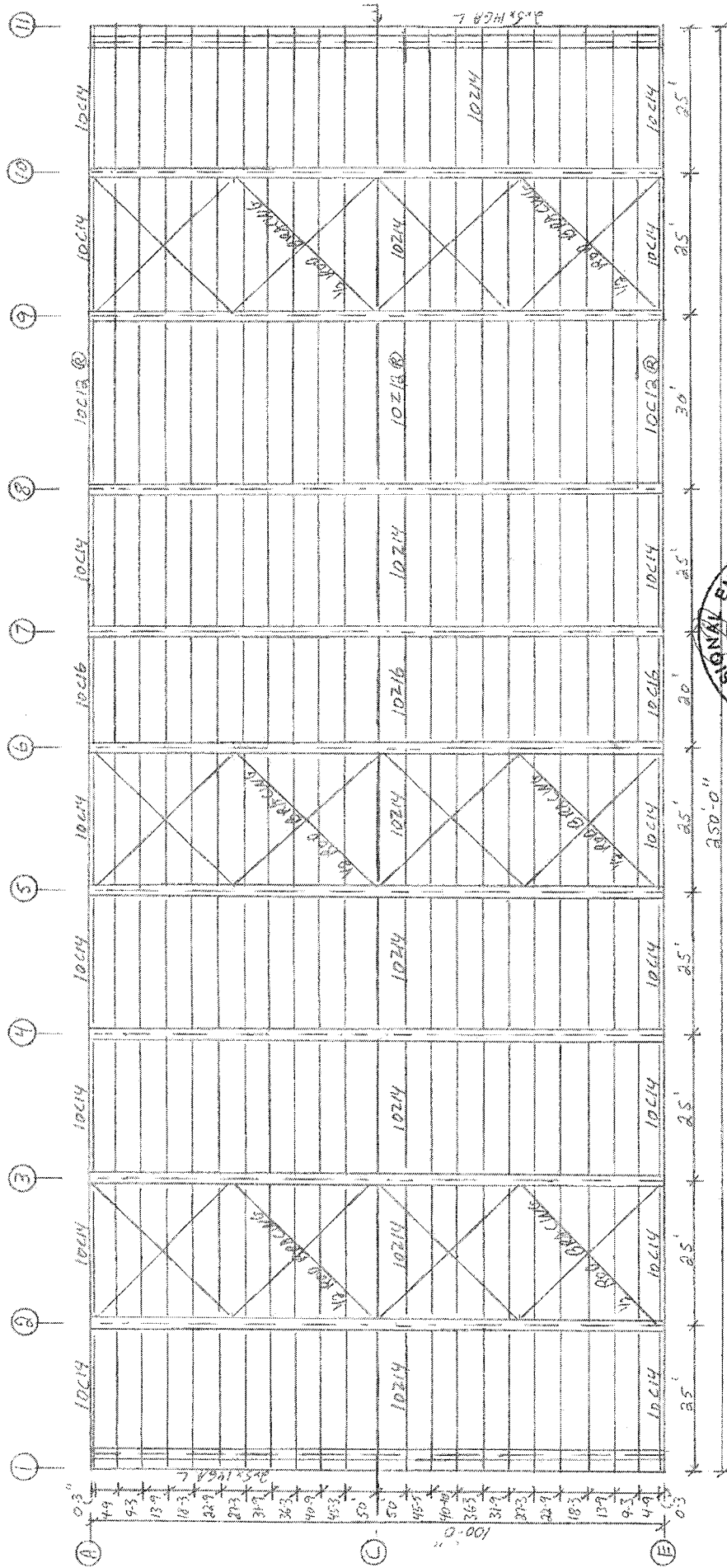
ANCHOR BOLT NOTES
ALL DIMENSIONS ARE TO CENTRE LINE OF ANCHOR BOLT
PROVIDE A 3" THREADED PROJECTION
PLACE HOLE TOLERANCE IS 1/16" PLUS OR MINUS
USE PROPER TEMPLATES DO NOT HANDSET BOLTS
CLEAN ALL PROJECTION BOLT THREADS
FOR D.H. PROJECTIONS USE DETAIL E OR F WHERE
APPLICABLE; EXAMPLE: FOR A 1/4" WIRE ROPE THE ANCHOR
BOLTS WOULD BE 1/4" APART

ZIPPER LOCK STEEL 04/21/98
LAKE DEFENDER POTATO CORPORATION
100x350x20 LUCKY LAKE SK
ANCHOR BOLT DETAILS 2/7

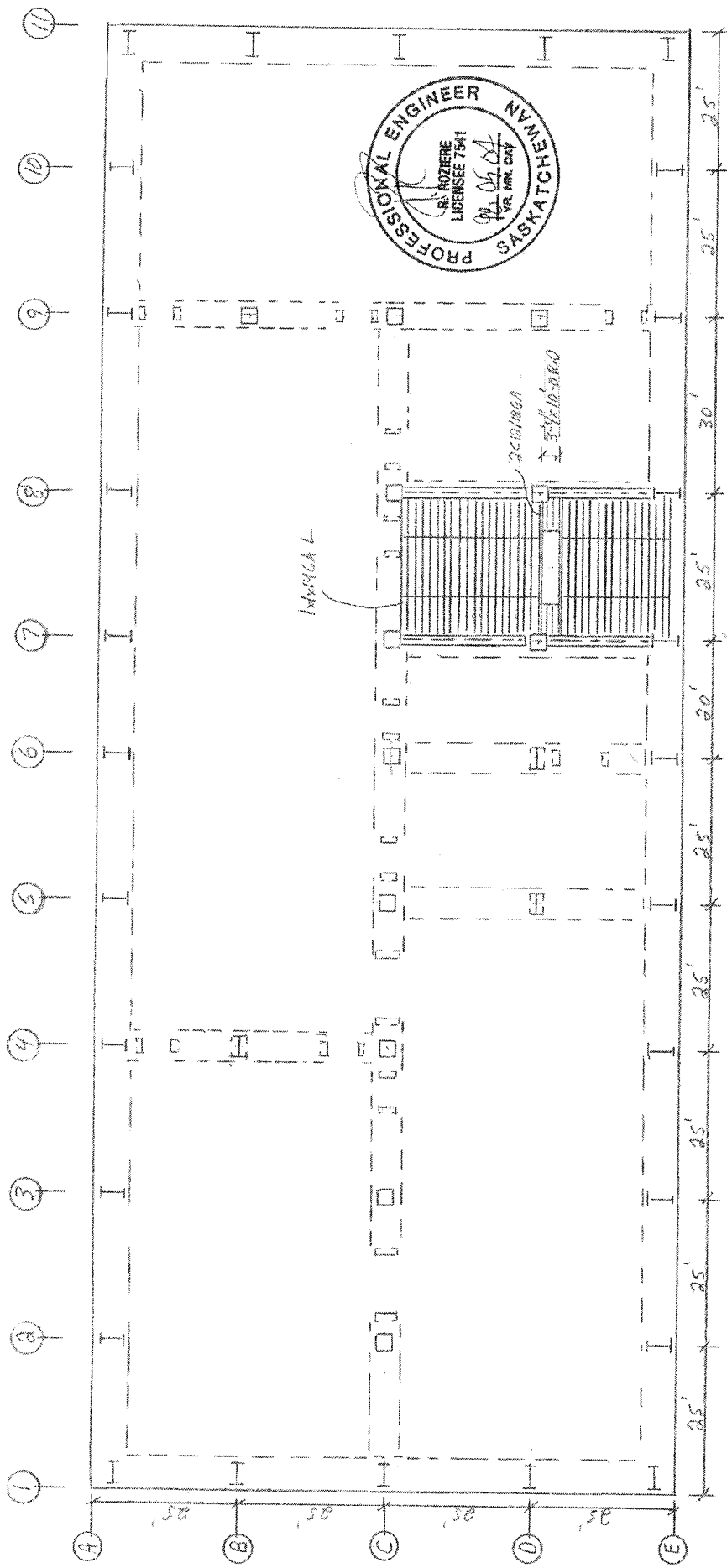


(6) 14" x 16" H.R.O.
 (8) 8" x 9" H.R.O.
 (11) 3" x 4" x 7" H.R.O.
 (18) 3" x 5" H.R.O.

ZIPPERLOCK STEEL 04/21/98
 LAKE DIEFFENBACHER POTATO CORPORATION
 100+ 250+ 20 LUCKY LAKE SK
 WALL FRAMING 05/14/98 3/7



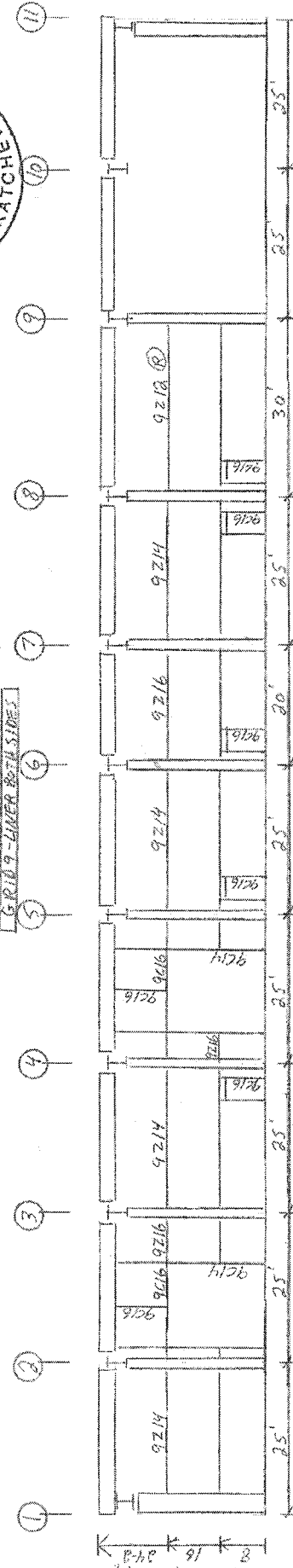
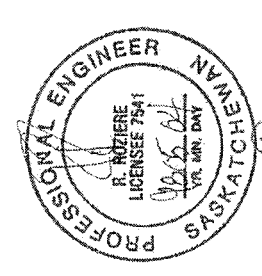
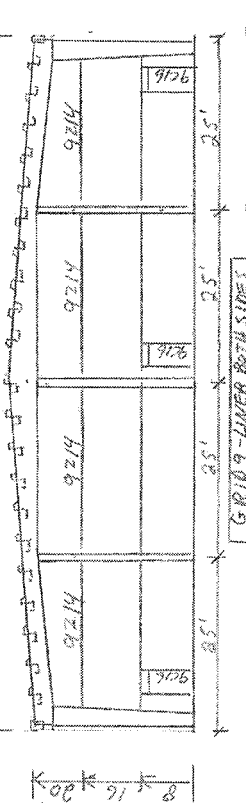
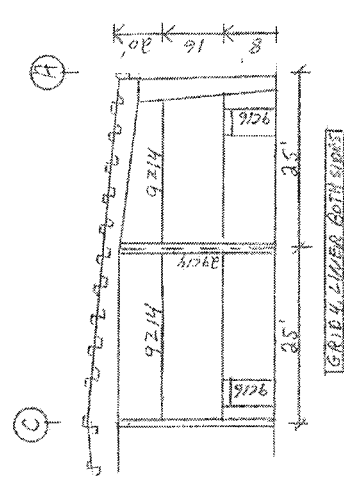
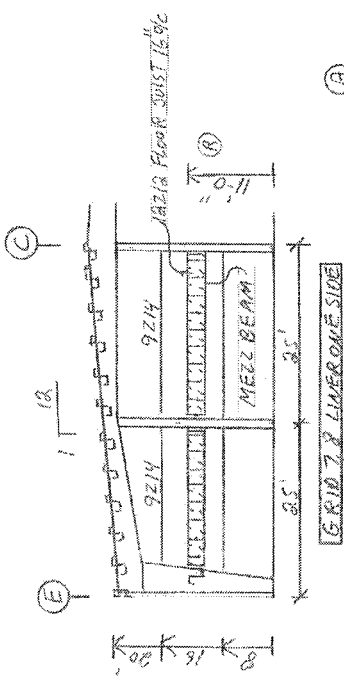
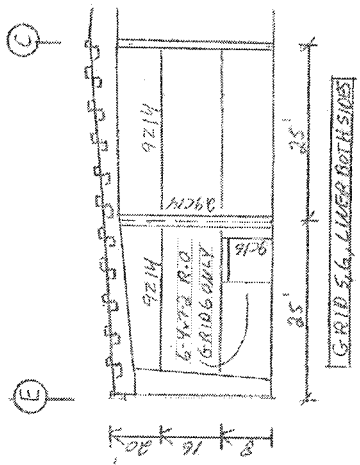
ZIPPERLOCK STEEL 04/21/98
 LAKE DIFFENBARGER POTATO CORPORATION
 100x250x20 LUCKY LAKE SA
 ROOF FRAMING @ 05/14/98 4/7



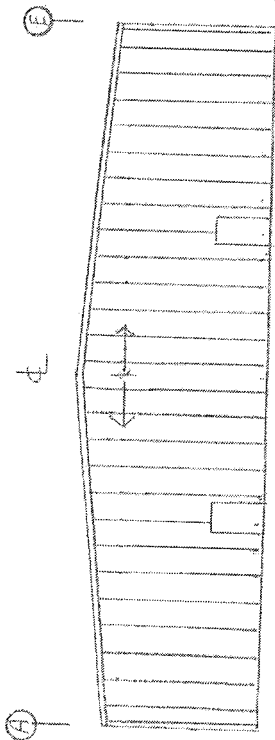
ZIPPERLOCK STEEL	04/24/98
LAKE DIEFFENBACHER POTATO CORPORATION	
100 x 250 x 20 LUCKY LAKE, SK	5/7
PARTITION WALL/LINER LAYOUT/MEZZANINE FLOOR	

MEZZANINE FLOOR - GRID C-E, 7-8
25 x 50 x 10' CLEAR
12" ZIR FLOOR JOIST 16" o/c

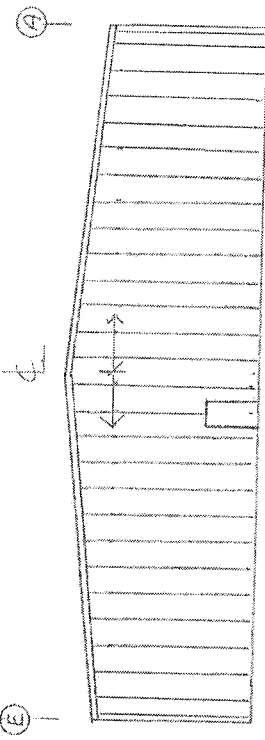
PARTITION WALL OPENINGS
(2) 14" x 16" H.P.O.
(1) 6'-4" x 7'-2" H.P.O.
(10) 3'-4" x 7'-2" H.P.O.
WALL LINER - - -



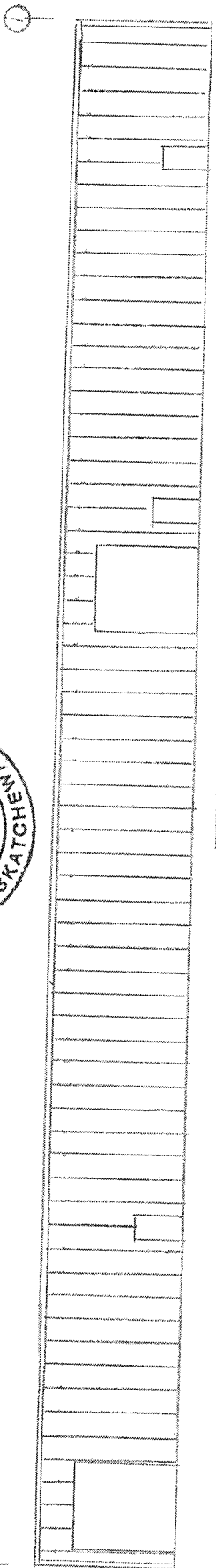
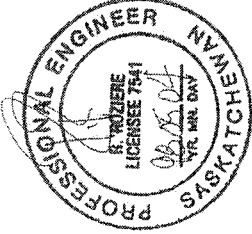
ZIPPER-LOCK STEEL 0.112498
 LARE DIERER BAKER POTATO CORPORATION
 100-350-30, LUCKY LANE S.W.
 PARTITION WALL FRAMING 05/08/97



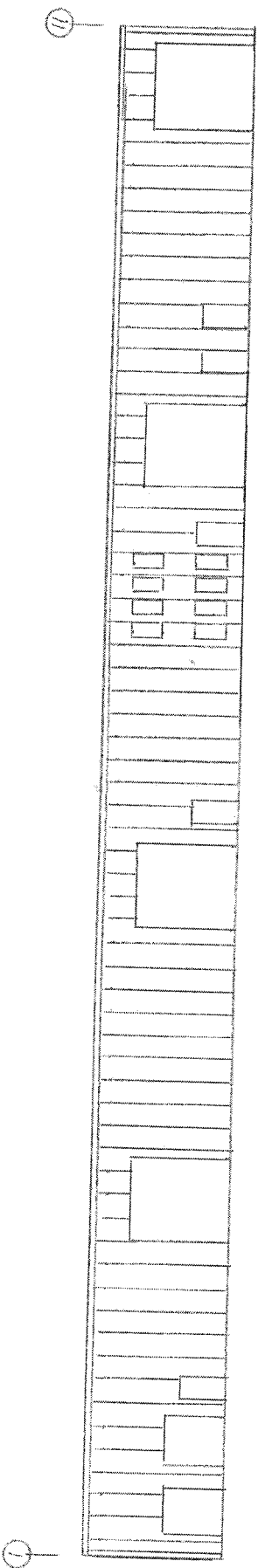
GRID 1



GRID 11



GRID A



GRID E

ZIPPERLOCK STEEL	04/21/19
LAME DIEFFENBACHER POTATO CORPORATION	
100x250x20 LUCKY LAKE SK	
ELEVATIONS	7/2