Supplemental Material (Forms & Guides)

Distributor Reference Guide

Important note:
Fairbanks product information located at the Nexus platform are updated more frequently and are the best source for current product information.

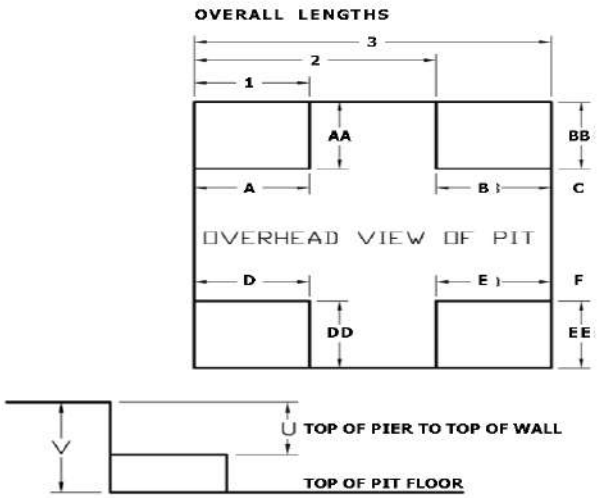
Contents

The form # is listed in the title. As these are for reference only, please use the form # to download the latest copy of the form from the Fairbanks Intranet or Nexus Platform.

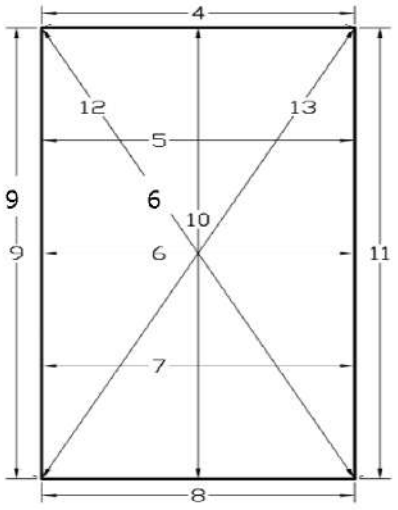
The prices and product information in this catalog are for reference only.
Please check the Fairbanks Nexus online catalog system for the most up to date information.

2-Section existing pit dimension worksheet

2-Section existing pit dimension worksheet



MEASURE ALL PIERS AND FURNISH SHALLOWEST DIMENSION



MEASURE PIT OPENING, NOT DECK

Measurements in inches to nearest ⅛"

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

Pit/Foundation Measurements

WIDTH

4= _____

5= _____

6= _____

7= _____

8= _____

LENGTH

9= _____

10= _____

11= _____

DIAGONAL

12= _____

13= _____

All pier dimensions in inches

A		B		C			
D		E		F			
AA		BB		CC		U	
DD		EE		FF		V	

Overall length distances in inches

1 _____ 2 _____ 3 _____

Salesman: _____

Job name: _____

Solutions no: _____

Date: _____

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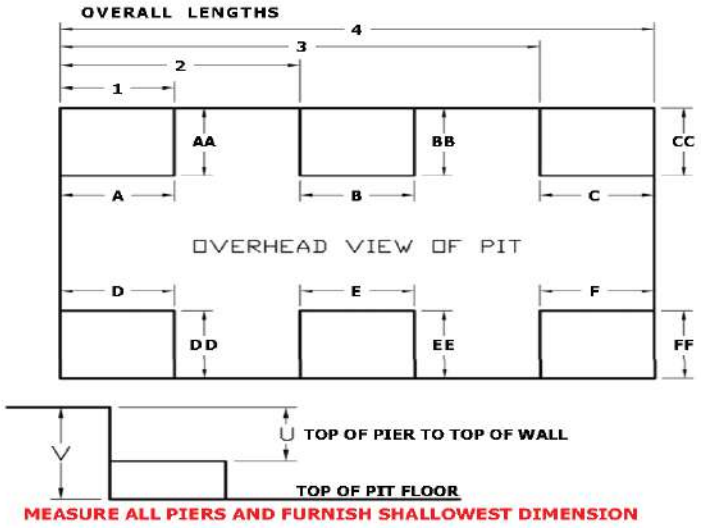
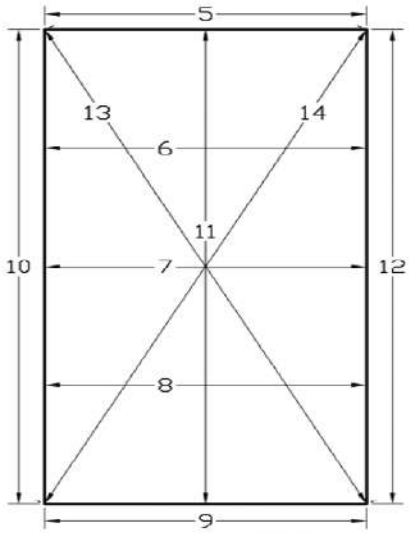
3-Section existing pit dimension worksheet

3-Section existing pit dimension worksheet





Measurements in inches to nearest 1/8"

Pit/Foundation Measurements

WIDTH

5= _____

6= _____

7= _____

8= _____

9= _____

LENGTH

10= _____

11= _____

12= _____

DIAGONAL

13= _____

14= _____

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

All pier dimensions in inches

A _____ B _____ C _____

D _____ E _____ F _____

AA _____ BB _____ CC _____

DD _____ EE _____ FF _____ U _____ V _____

Overall length distances in inches

1 _____ 2 _____ 3 _____ 4 _____

Salesman: _____

Job name: _____

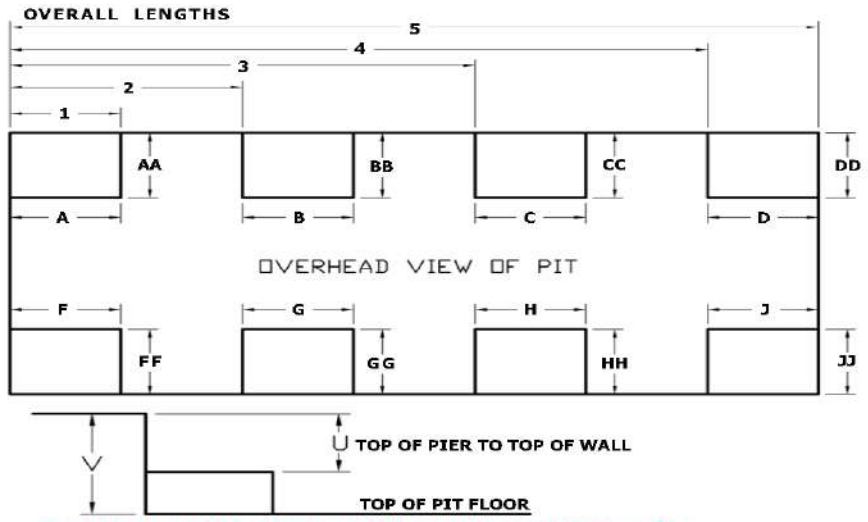
Solutions no: _____

Date: _____

FAIRBANKS SCALES

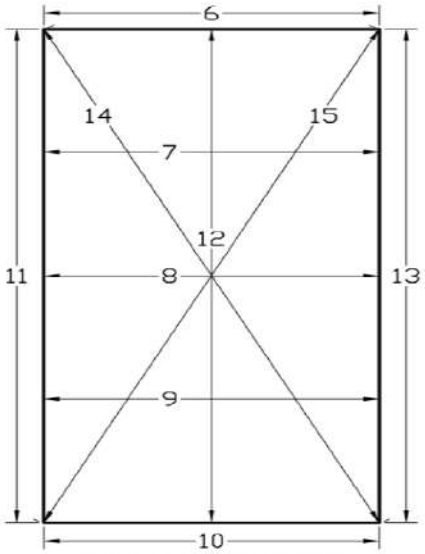
4-Section existing pit dimension worksheet

4-Section existing pit dimension worksheet



MEASURE ALL PIERS AND FURNISH SHALLOWEST DIMENSION

Measurements in inches to nearest ⅛"



MEASURE PIT OPENING, NOT DECK

Pit/Foundation Measurements

WIDTH

6= _____

7= _____

8= _____

9= _____

10= _____

LENGTH

11= _____

12= _____

13= _____

DIAGONAL

14= _____

15= _____

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

All pier dimensions in inches

A _____ B _____ C _____ D _____

F _____ G _____ H _____ J _____

AA _____ BB _____ CC _____ DD _____ U _____

FF _____ GG _____ HH _____ JJ _____ V _____

Overall length distances in inches

1 _____ 2 _____ 3 _____ 4 _____ 5 _____

Salesman: _____

Job name: _____

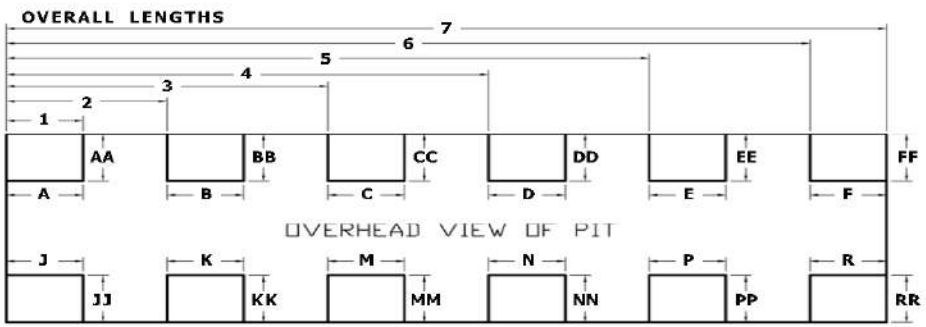
Solutions no. _____

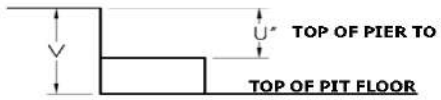
Date: _____

FAIRBANKS SCALES

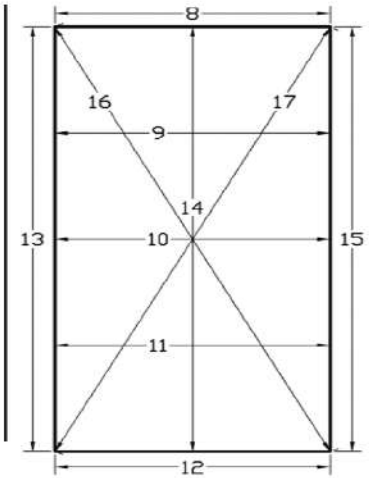
6-Section existing pit dimension worksheet

6-Section existing pit dimension worksheet





MEASURE ALL PIERS AND FURNISH SHALLOWEST DIMENSION



MEASURE PIT OPENING, NOT DECK

Pit/Foundation Measurements

WIDTH

8= _____

9= _____

10= _____

11= _____

12= _____

LENGTH

12= _____

13= _____

14= _____

DIAGONAL

16= _____

17= _____

Measurements in inches to nearest ⅛"

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

All pier dimensions in inches

A _____	B _____	C _____	D _____	E _____
F _____	J _____	K _____	M _____	N _____
P _____	R _____	U _____	V _____	

AA _____	BB _____	CC _____	DD _____	EE _____
FF _____	JJ _____	KK _____	MM _____	NN _____
PP _____	RR _____			

Overall length distances in inches

1 _____	2 _____	3 _____	4 _____
5 _____	6 _____	7 _____	

Salesman: _____

Job name: _____

Solutions no. _____

Date: _____

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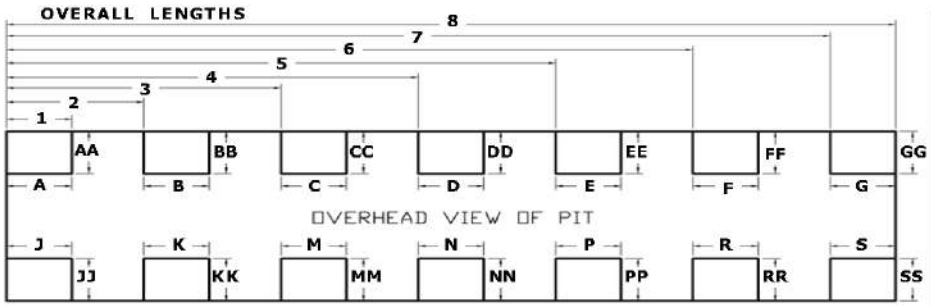
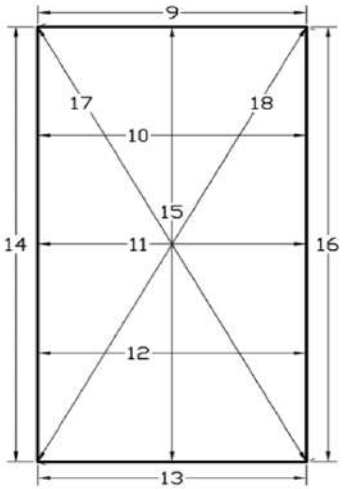
FAIRBANKS SCALES

7-Section existing pit dimension worksheet

7-Section existing pit dimension worksheet



MEASURE ALL PIERS AND FURNISH SHALLOWEST DIMENSION



MEASURE PIT OPENING, NOT DECK

Measurements in inches to nearest ⅛"

Pit/Foundation Measurements

WIDTH

9= _____

10= _____

11= _____

12= _____

13= _____

LENGTH

14= _____

15= _____

16= _____

DIAGONAL

17= _____

18= _____

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

All pier dimensions in inches

A _____	B _____	C _____	D _____	E _____
F _____	G _____	J _____	K _____	M _____
N _____	P _____	R _____	S _____	U _____
V _____				
AA _____	BB _____	CC _____	DD _____	EE _____
FF _____	GG _____	JJ _____	KK _____	MM _____
NN _____	PP _____	RR _____	SS _____	

Overall length distances in inches

1 _____	2 _____	3 _____	4 _____
5 _____	6 _____	7 _____	8 _____

Salesman: _____

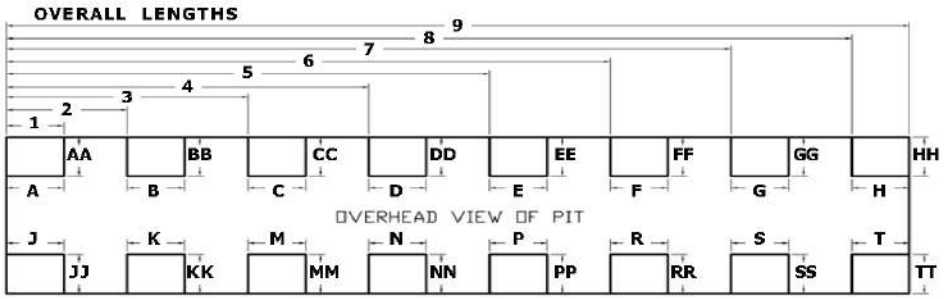
Job name: _____

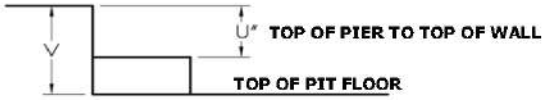
Solutions no. _____

Date: _____

FAIRBANKS SCALES

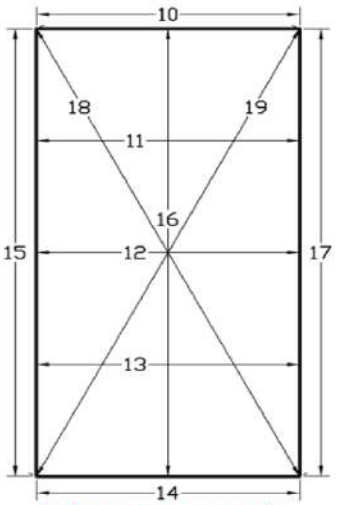
8-Section existing pit dimension worksheet





MEASURE ALL PIERS AND FURNISH SHALLOWEST DIMENSION

Measurements in inches to nearest ⅛"



MEASURE PIT OPENING, NOT DECK

Pit/Foundation Measurements

WIDTH

10= _____

11= _____

12= _____

13= _____

14= _____

LENGTH

15= _____

16= _____

17= _____

DIAGONAL

18= _____

19= _____

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

All pier dimensions in inches

A _____	B _____	C _____	D _____	E _____
F _____	G _____	H _____	J _____	K _____
M _____	N _____	P _____	R _____	S _____
T _____	U _____	V _____	AA _____	BB _____
CC _____	DD _____	EE _____	FF _____	GG _____
HH _____	JJ _____	KK _____	MM _____	NN _____
PP _____	RR _____	SS _____	TT _____	

Overall length distances in inches

1 _____	2 _____	3 _____	4 _____	5 _____
6 _____	7 _____	8 _____	9 _____	

Salesman: _____

Job name: _____

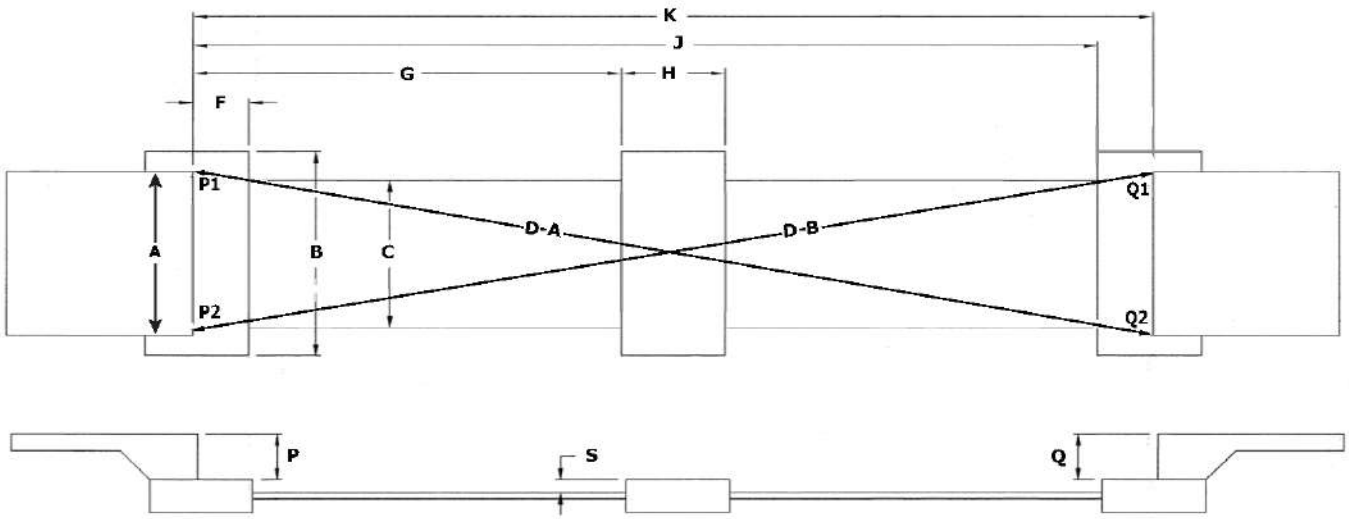
Solutions no. _____

Date: _____

FAIRBANKS SCALES

3-Section above-grade foundation worksheet

3-Section above-grade foundation worksheet



Measurements in inches to nearest 1/8"

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

All pier dimensions in inches

A _____	B _____	C _____	F _____	G _____
H _____	J _____	K _____	P _____	Q _____
S _____	P1 _____	P2 _____	Q1 _____	Q2 _____
D-A _____	D-B _____			

Salesman: _____

Scale type: _____

Job name: _____

Solutions no. _____

Date: _____

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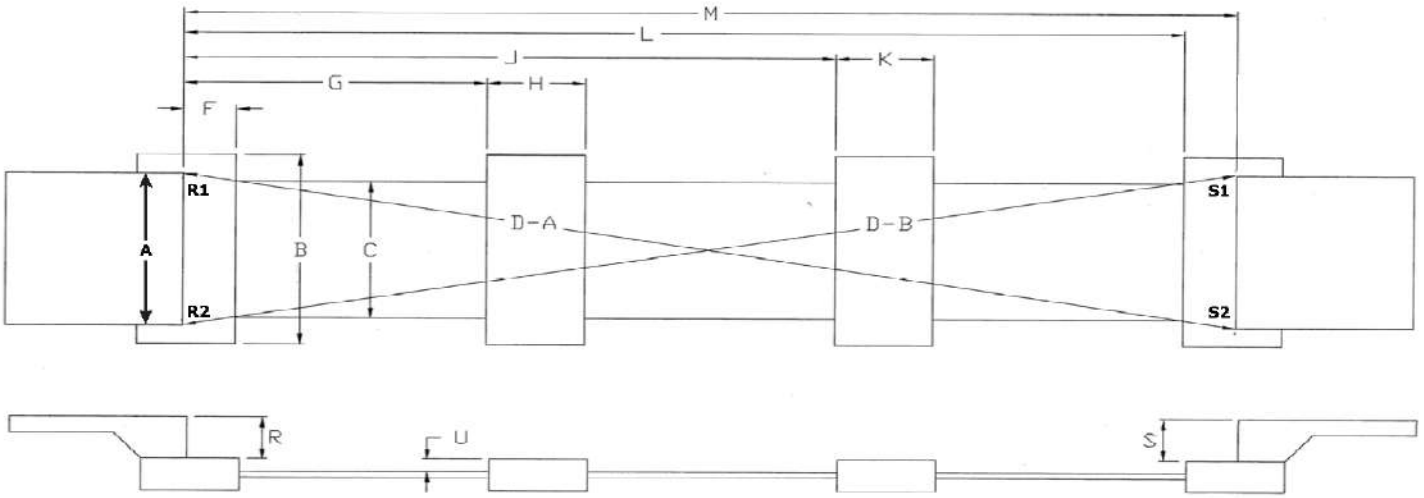
4-Section above-grade foundation worksheet

4-Section above-grade foundation worksheet



Measurements in inches to nearest ⅛"

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All pier dimensions in inches

A _____	B _____	C _____	F _____	G _____
H _____	J _____	K _____	L _____	M _____
R _____	S _____	U _____	R1 _____	R2 _____
S1 _____	S2 _____	D-A _____	D-B _____	

Salesman: _____

Scale type: _____

Job name: _____

Solutions no. _____

Date: _____

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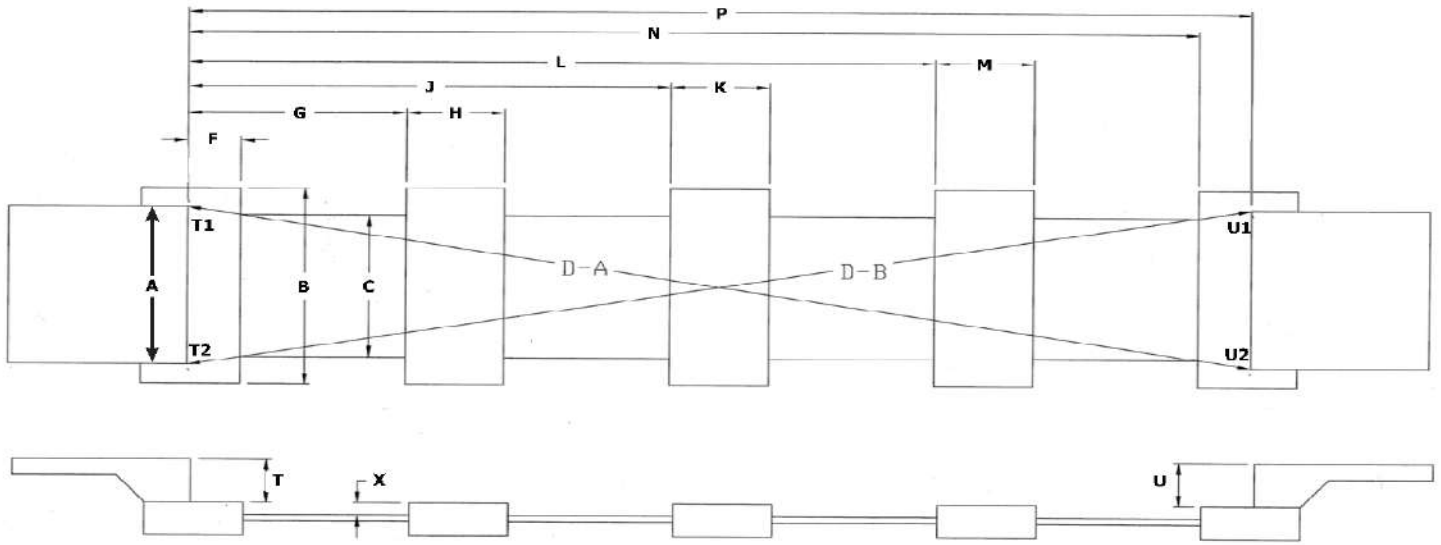
FAIRBANKS SCALES

5-Section above-grade foundation worksheet

5-Section above-grade foundation worksheet



Measurements in inches to nearest ⅛"

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

All pier dimensions in inches		A		B		C		Salesman:	
F		G		H		J		K		Scale type:	
L		M		N		P		T		Job name:	
U		X		T1		T2		U1		Solutions no.	
U2		D-A		D-B						Date:	

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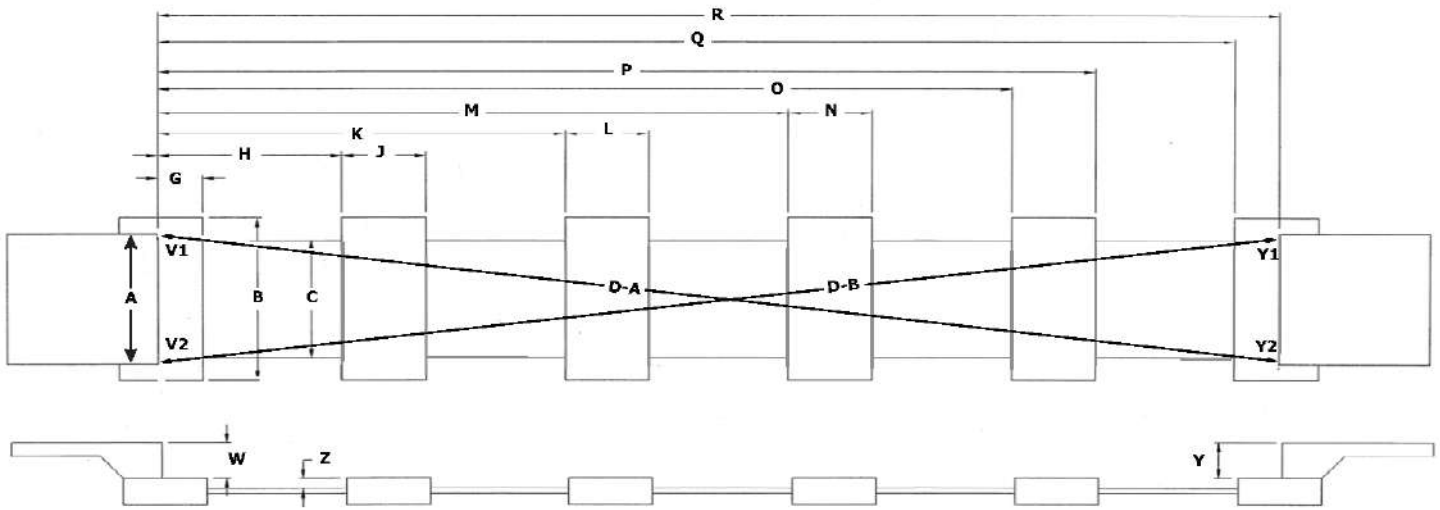
6-Section above-grade foundation worksheet

6-Section above-grade foundation worksheet



Measurements in inches to nearest 1/8"

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

All pier dimensions in inches

B _____	B _____	C _____	G _____	H _____
J _____	K _____	L _____	M _____	N _____
O _____	P _____	Q _____	R _____	W _____
Y _____	Z _____	V1 _____	V2 _____	Y1 _____
Y2 _____	D-A _____	D-B _____		

Salesman: _____

Scale type: _____

Job name: _____

Solutions no. _____

Date: _____

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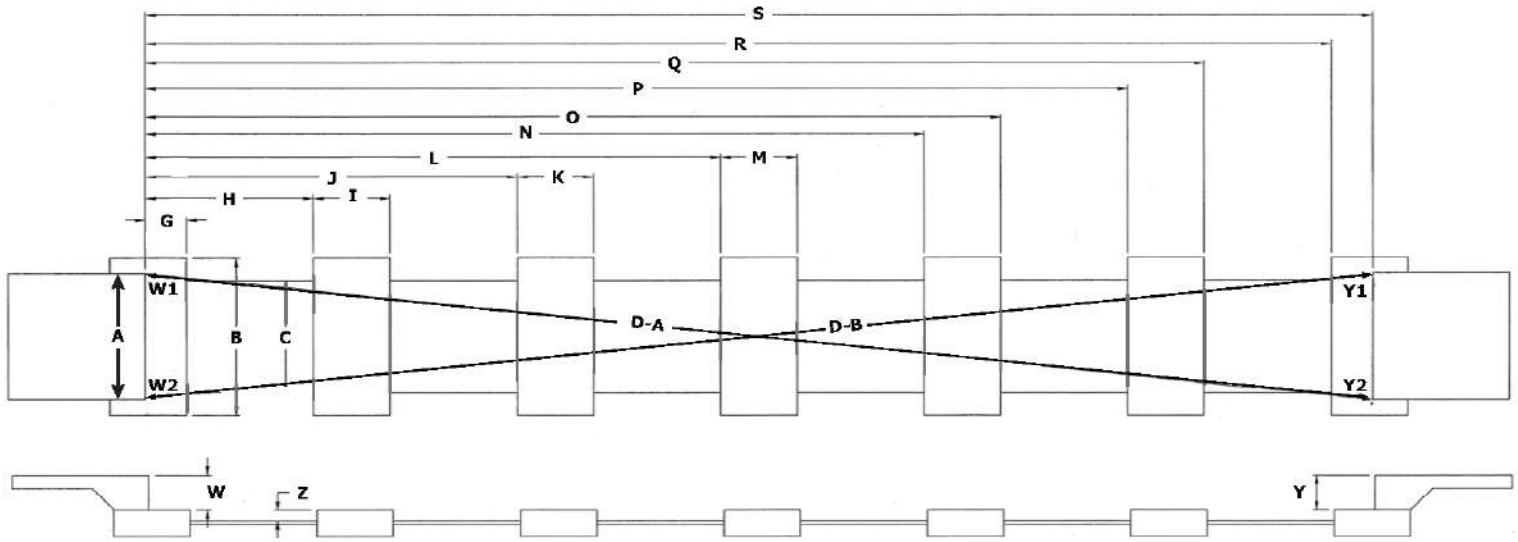
FAIRBANKS SCALES

7-Section above-grade foundation worksheet

7-Section above-grade foundation worksheet



Measurements in inches to nearest ⅛"

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

All pier dimensions in inches

A _____	B _____	C _____	G _____	H _____
I _____	J _____	K _____	L _____	M _____
N _____	O _____	P _____	Q _____	R _____
S _____	W _____	Y _____	Z _____	W1 _____
W2 _____	Y1 _____	Y2 _____	D-A _____	D-B _____

Salesman: _____

Scale type: _____

Job name: _____

Solutions no. _____

Date: _____

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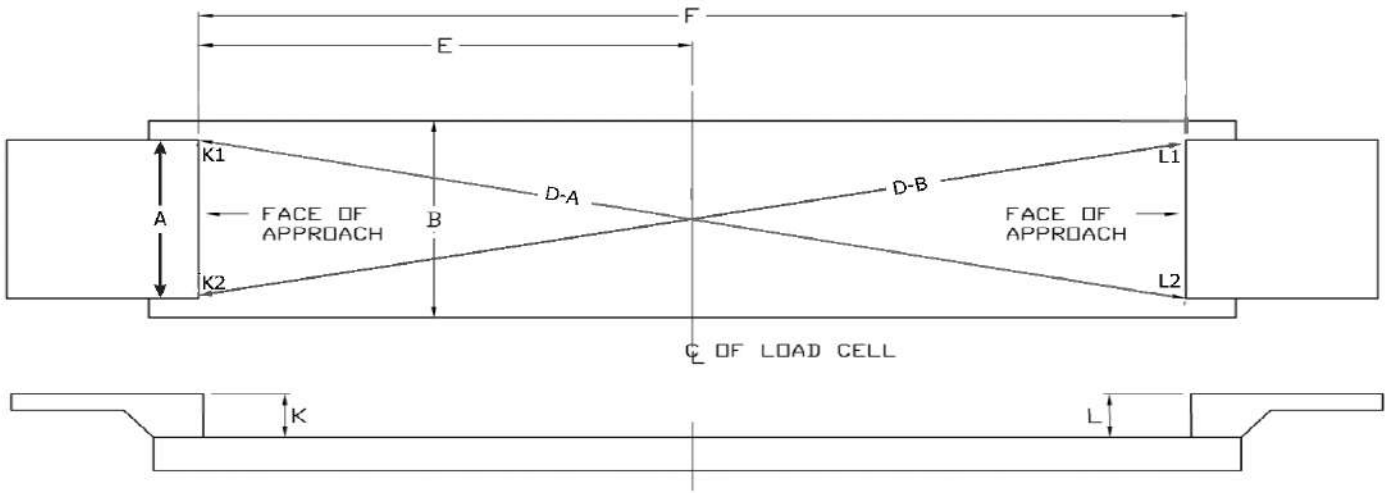
FAIRBANKS SCALES

3-Section full slab foundation worksheet

3-Section full slab foundation worksheet



Measurements in inches to nearest ⅛"

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

A _____	B _____	E _____	F _____
K _____	L _____	K1 _____	K2 _____
L1 _____	L2 _____		
D-A _____	D-B _____		

Salesman: _____

Scale type: _____

Job name: _____

Solutions no. _____

Date: _____

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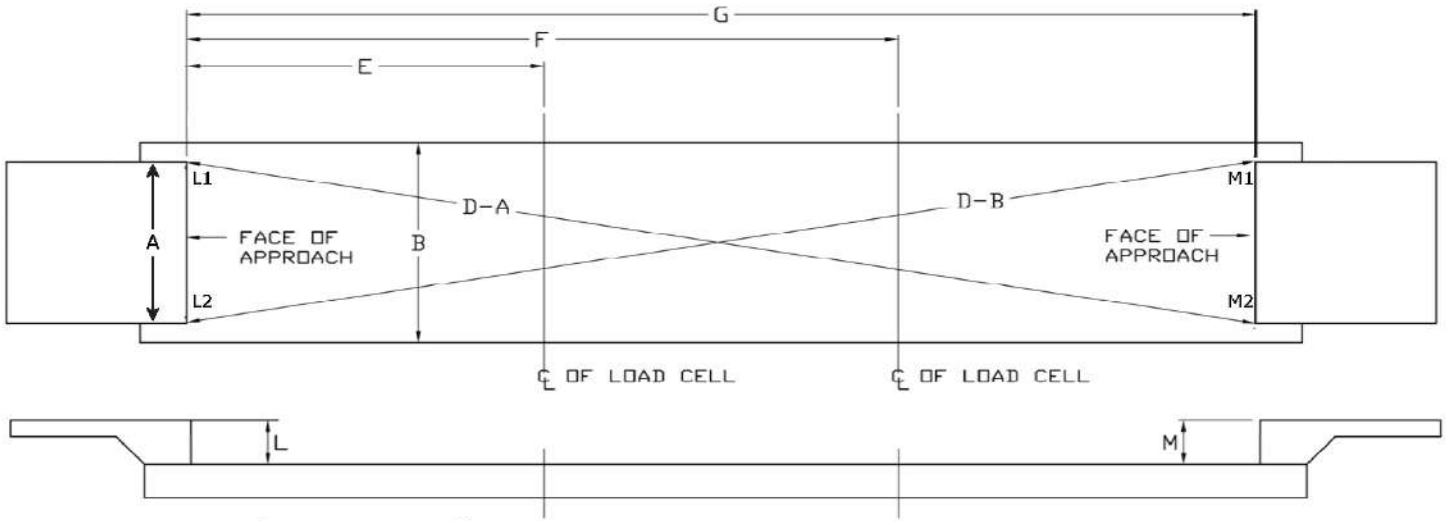
4-Section full slab foundation worksheet

4-Section full slab foundation worksheet



Measurements in inches to nearest ⅛"

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this informaiton is received by Meridian Engineering, which may result in additional lead time.

A		B		E		F	
G		L		M			
L1		L2		M1		M2	
D-A		D-B					

Salesman: _____

Scale type: _____

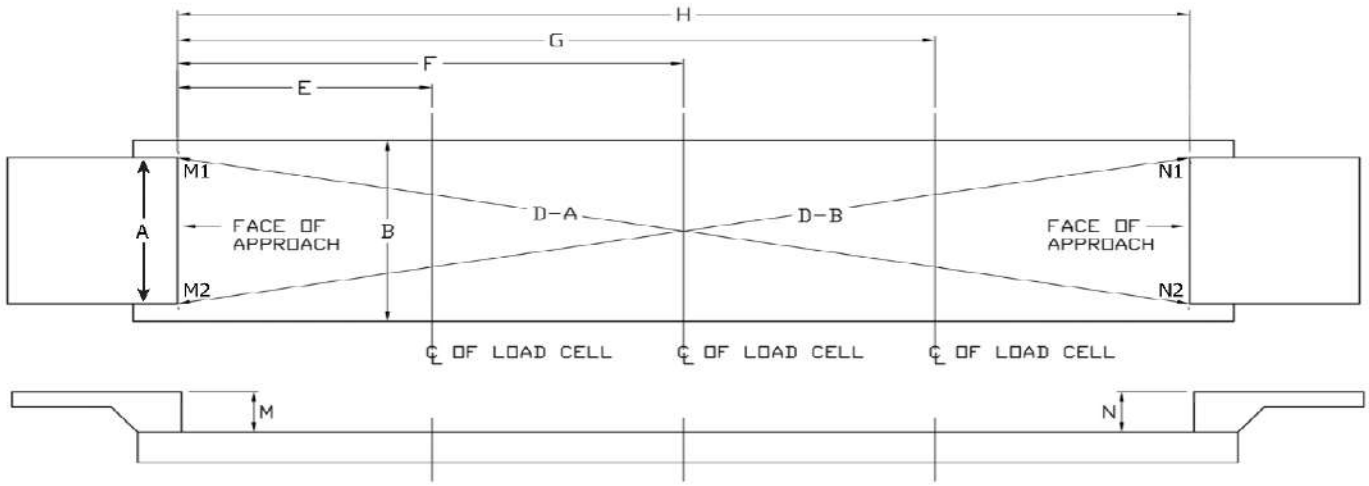
Job name: _____

Solutions no. _____

Date: _____

5-Section Full Slab Foundation Worksheet

5-Section Full Slab Foundation Worksheet - 101552



Measurements in inches to nearest ⅛"

This illustration shows standard foundation dimensions. A Solutions request is required for components in non-standard locations. Your order will not be processed until this information is received by Meridian Engineering, which may result in additional lead time.

A _____	B _____	E _____	F _____
G _____	H _____	M _____	N _____
M1 _____	M2 _____	N1 _____	N2 _____
D-A _____	D-B _____		

Salesman: _____

Scale type: _____

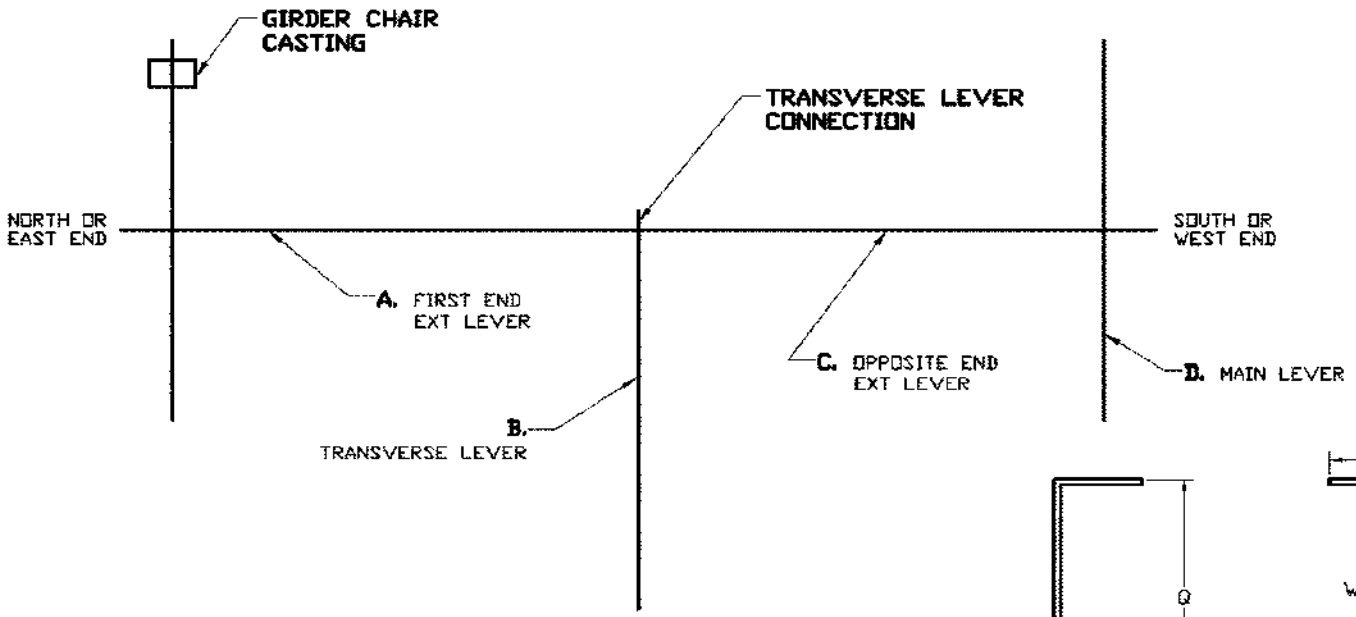
Job name: _____

Solutions no. _____

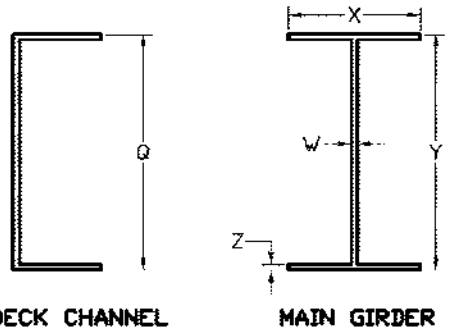
Date: _____

FAIRBANKS SCALES

2-Section lever system



Scale length _____ **Scale width** _____



DECK CHANNEL MAIN GIRDER

This illustration shows standard lever system locations. A Solutions request is required for levers in non-standard locations. Your order will not be processed until this information is received by Meridian Engineering, which may result in additional lead time.

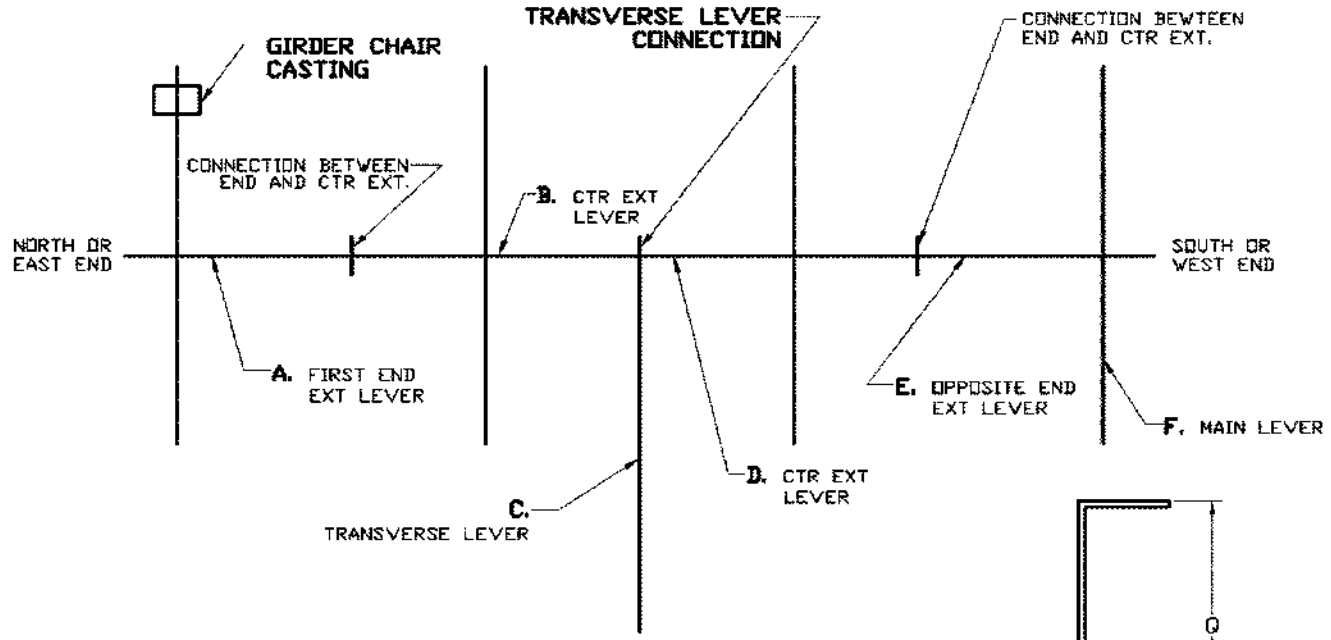
1. What is the distance from top of main lever pier to top of wall? _____
2. What is the girder chair casting number? _____
3. Is the transverse lever connection single or double bolt? _____
4. Is the location of the transverse lever correct? _____
5. Provide casting numbers for each lever shown. A=_____ B=_____ C=_____ D=_____

Height of deck channel: Q=_____ Main girder dim: W=_____ X=_____ Y=_____ Z=_____

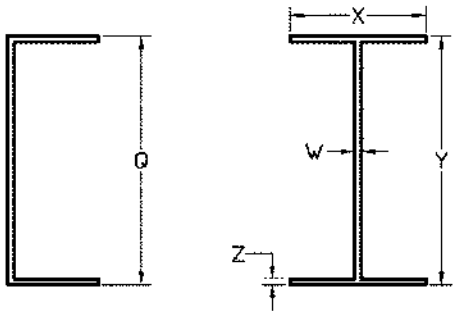
Salesman: _____
Scale type: _____
Job name: _____
Solutions no. _____
Date: _____

FAIRBANKS SCALES

4-Section lever system



Scale length _____ **Scale width** _____



DECK CHANNEL MAIN GIRDER

This illustration shows standard lever system locations. A Solutions request is required for levers in non-standard locations. Your order will not be processed until this information is received by Meridian Engineering, which may result in additional lead time.

1. What is the distance from top of main lever pier to top of wall? _____
2. What is the girder chair casting number? _____
3. Is the transverse lever connection single or double bolt? _____
4. Is the location of the transverse lever correct? _____
5. Provide casting numbers for each lever shown. A=_____ B=_____ C=_____ D=_____ E=_____ F=_____

Height of deck channel: Q=_____ Main girder dim: W=_____ X=_____ Y=_____ Z=_____

Salesman: _____

Scale type: _____

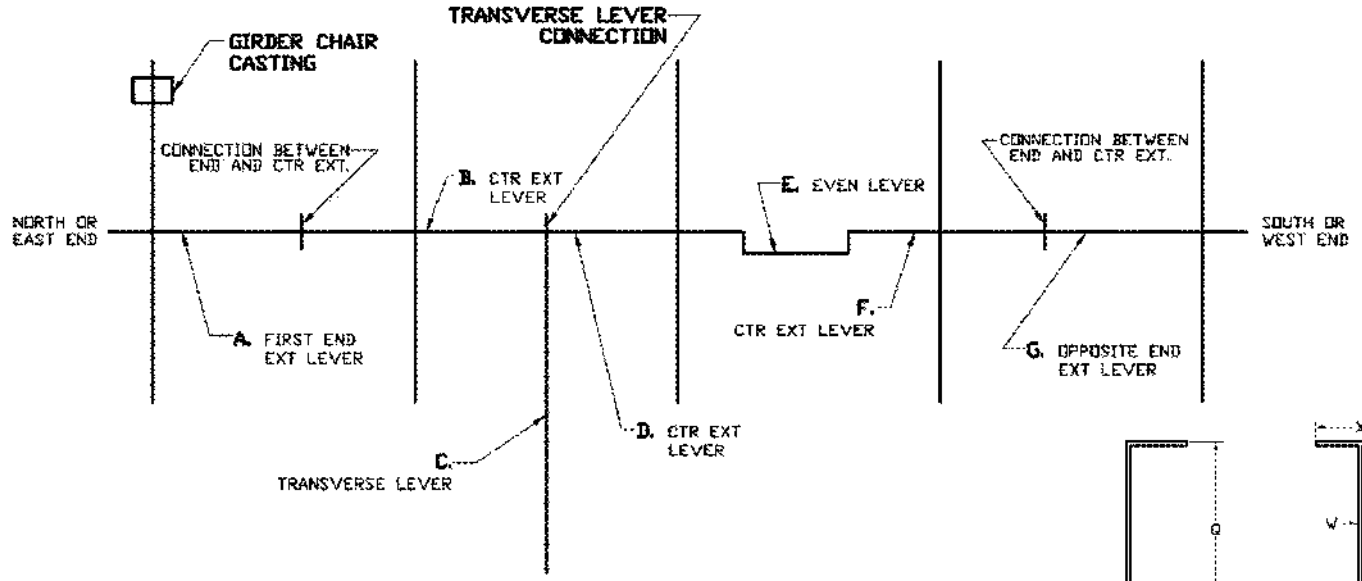
Job name: _____

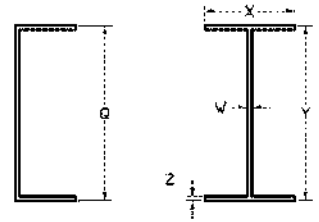
Solutions no. _____

Date: _____

FAIRBANKS SCALES

5-Section lever system





DECK CHANNEL MAIN GIRDER

Scale length _____ **Scale width** _____

This illustration shows standard lever system locations. A Solutions request is required for levers I non-standard locations. Your order will not be processed until this information is received by Meridian Engineering, which may result in additional lead time.

1. What is the distance from top of main lever pier to top of wall? _____
2. What is the girder chair casting number? _____
3. Is the transverse lever connection single or double bolt? _____
4. Is the location of the transverse lever correct? _____
5. Provide casting number for each lever shown: A= _____ B= _____ C= _____

   D= _____ E= _____ F= _____ G= _____

Main lever no: _____

Height of deck channel: _____ Main girder dim: _____

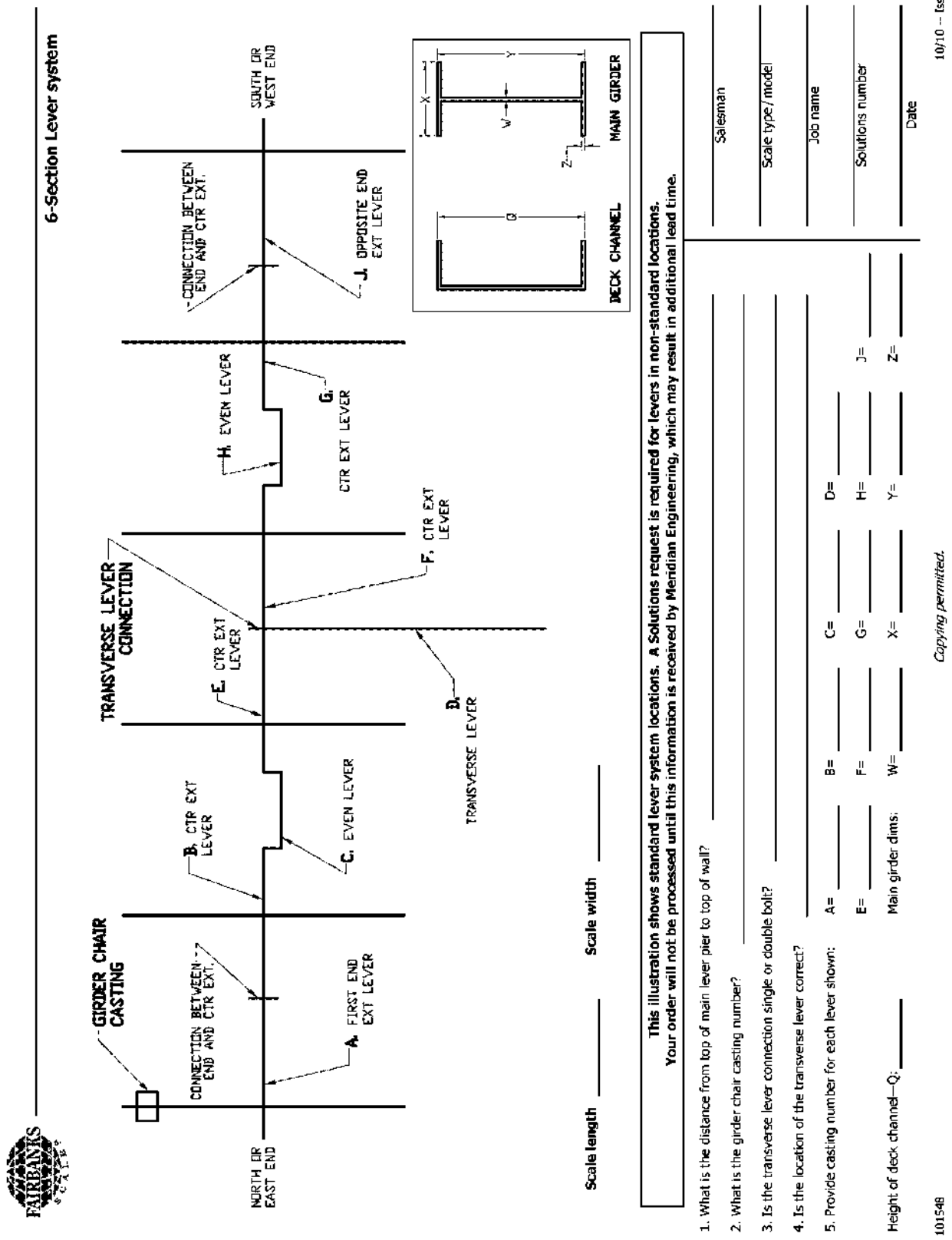
_____ Salesman

_____ Truck type / model

_____ Job name

_____ Solutions number

_____ Date


6-Section Lever system
GIRDER CHAIR CASTING
CONNECTION BETWEEN END AND CTR EXT.
A. FIRST END EXT LEVER
B. CTR EXT LEVER
C. EVEN LEVER
TRANSVERSE LEVER CONNECTION
E. CTR EXT LEVER
F. CTR EXT LEVER
D. TRANSVERSE LEVER
H. EVEN LEVER
G. CTR EXT LEVER
CONNECTION BETWEEN END AND CTR EXT.
J. OPPOSITE END EXT LEVER
NORTH OR EAST END
SOUTH OR WEST END
Scale length
Scale width
DECK CHANNEL
MAIN GIRDER
This illustration shows standard lever system locations. A Solutions request is required for levers in non-standard locations.
Your order will not be processed until this information is received by Meridian Engineering, which may result in additional lead time.
1. What is the distance from top of main lever pier to top of wall?
2. What is the girder chair casting number?
3. Is the transverse lever connection single or double bolt?
4. Is the location of the transverse lever correct?
5. Provide casting number for each lever shown: A= B= C= D=
E= F= G= H= J=
Height of deck channel—Q: Main girder dims: W= X= Y= Z=
Salesman
Scale type/model
Job name
Solutions number
Date
101548
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RC Conversion Worksheet

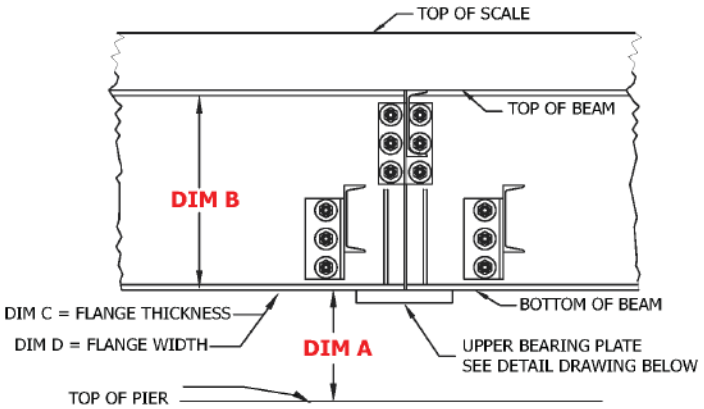
Date _____

RC Conversion worksheet must be completed and submitted with new Solutions request to obtain quote.

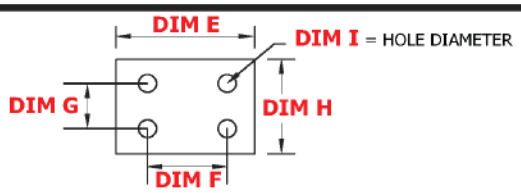
Name: _____

Contact # _____

Email _____



BEAM AND PIER DETAIL



UPPER BEARING PLATE DETAIL

DIM A = _____	DIM B = _____	DIM C = _____
DIM D = _____	DIM E = _____	DIM F = _____
DIM G = _____	DIM H = _____	DIM I = _____

Existing scale model number _____

Manufacturer of existing scale _____

Existing scale CLC _____

Existing scale gross capacity _____

Notes:

- ☐ Standard load cell assembly is 8.5" tall. If the load cell assembly height must match existing top of pier to bottom of girder dimension, check this box.
- ☐ For side checking option quote, check box.
- ☐ For end checking option quote, check box.
- ☐ Open a new Solutions request and attached this completed form to your request.

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FAIRBANKS ®

2000 Series Application Guide

Quote# _____ Date: _____ Est Const. Date: _____

Servicing railroad: _____

Customer: _____ Foundation location _____

1. GENERAL:

Design

The design and performance of railroad scales is regulated by the Association of American Railroads. Design specifications can be found in the A.A.R. Handbook on Scales and the Handbook on Bridge Construction. Many railroads conform to these handbooks or some modified version. The Fairbanks 2000 Series rail scales meet or exceed all requirements of the A.A.R. handbooks, as well as National Institute of Standards and Technology Handbook 44.

Strategy

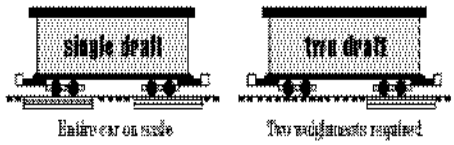
When offering any type of railroad scale, it is advantageous to involve all parties interested in the scale; the customer, governing railroad scale inspectors and local weights & measures. Static scales are best suited and recommended in applications

Static Scales vs In-Motion

Static scales are best suited for and recommended in, applications where the following criteria exist:

a. When making custody transfer of individual cars.
b. Low volume of weighments per day.
c. A higher degree of accuracy is required.
d. When filling on the scale.

2. TYPES OF STATIC WEIGHING:



Criteria	Single draft	Two draft
Initial investment	High, (2) modules	Low, (1) module
Handling cost	Low, (1) position	High, (2) position
Filling application	Yes, car on scale	No
Weighing time	Fast, (1) position	Slow, (2) position

3. SITE SELECTION:

The primary consideration for the scale site is customer convenience. The site will require a minimum of 75 feet of tangent track in both directions from the scale. The 25 feet closest to the weighing platform on both ends shall consist of reinforced concrete. If a single module is used for multiple draft weighing, then 50 feet must be reinforced concrete on each end. The site must have adequate soil bearing pressure to support the scale. A.A.R. specifications require 4000 psf. Contact the railroad scale inspector with any questions regarding the soil bearing capacity.

4. APPROVALS:

Prior to installation or construction, contact the local railroad Bridge Engineer and send the following information:

a. Letter of intent for scale installation, identify the customer, location, site selection (with plot plan or sketch) and scale location, site selection (with plot plan or sketch) and scale details.
b. Foundation drawings for the scale.
c. Weighbridge drawings.
d. General arrangement drawings.
e. Requested variances on site and rail size. Rail sizes less than 115 pounds, the railroad must issue a variance.

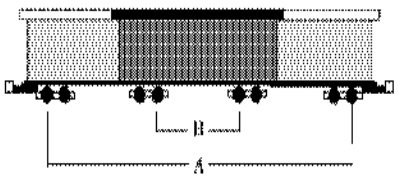
5. 2000 SERIES SELECTION GUIDE:

In order to determine the 2000 Series model required for the customer application, you need to work out the following details:

Car sizes

Find out from the customer or the railroad the dimensions "A" and "B" in Figure #1.

Figure #1: Car length, longest/shortest



Selection of range

a. Length of longest car "A" ____ ft - ____ in
b. Length of shortest car "B" ____ ft - ____ in
c. The range dimension "C" ("A" - "B" = "C") 0 ft - 0 in

Selection of scale size

See Figure #2 for weigh rail length. Rail length (dimension "D") must be greater than dimension "C" above.

a. Total weigh rail length "D" ____ ft - ____ in
b. Range dimension "C": 0 ft - 0 in
c. Position dimension "E" ("D" - "C" = "E") 0 ft - 0 in
d. Leeway dimension "F" ("E" divided by 4) 0 ft - 0 in

Leeway (F) is the amount of tolerance to position the cars on the scale platform. If the leeway is less than 6", you must select the model with the next longest weigh rail ("D").

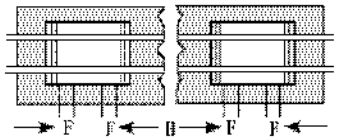
Figure #2: 2000 Series Modules

Model No.	Weigh Bridge Length	"D"
91648	12 ft - 6 in, 12 ft - 6 in	25 ft - 0 in
91649	12 ft - 6 in, 25 ft - 0 in	37 ft - 6 in
91650	25 ft - 0 in, 25 ft - 0 in	50 ft - 0 in

Calculating the span between module weigh rails

a. Positioning dimension "E" divided by 2	0 ft - 0	in
b. Length of longest car ("A")	0 ft - 0	in
c. Dimension "G" (add above together)	0 ft - 0	in
d. Total weigh rail length ("D")	0 ft - 0	in
e. Span between modules "H" ("G" - "D")	0 ft - 0	in

Figure #3: Span Layout

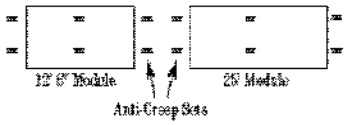


6. TYPICAL PROJECT CHECKLIST (by Fairbanks):

- ☐ Weighbridges (Fairbanks weighbridges are arranged for 115# rail provided by others; contact inquiry for other rail sizes)
- ☐ Load cells
- ☐ Cables
- ☐ Load cell stands
- ☐ Foundation steel (includes base plate and anchor bolts)
- ☐ Instrumentation
- ☐ Documentation (foundation drawings, general arrangement drawing, manuals)
- ☐ Surge voltage protection
- ☐ Scale installation
- ☐ Cable scale to instrument
- ☐ Test and calibrate
- ☐ Foundation (per quotation)

FB = Fairbanks, **CU** = Customer, **CT** = Contractor

Figure #4: Typical 2000 Series Layout



7. TYPICAL PROJECT CHECKLIST (by Customer):

- ☐ Approval from railroad
- ☐ Site location
- ☐ Foundation (per print); concrete, rebar, pit coping, trenching/conduit, excavation
- ☐ Live rail
- ☐ Live rail clips, live rail bolts
- ☐ Approach rails
- ☐ Approach rail plates, approach rail clips, approach rail bolts
- ☐ Grout
- ☐ Contract and schedule test car
- ☐ Clean, isolated power
- ☐ Crane to set scale
- ☐ Anti-creep brackets for live rail
- ☐ Live rail Anti-creep clips and bolts
- ☐ Anti-creep brackets for approach rails
- ☐ Approach rail Anti-creep clips and bolts
- ☐ Permits
- ☐ Soil testing

FB = Fairbanks, **CU** = Customer, **CT** = Contractor

SCALE

Item	Size	12'-6" module	25' module	Total
Rail	115#	25 feet	50 feet	ft
Rail bolts	1" - 3.5"	32 pc	64 pc	pc
Rail clips	#62	32 pc	64 pc	pc
Rail washers	1"	32 pc	64 pc	pc
Anti-creep		(2) sets	(2) sets	sets
Est. grout	(non-shrink)	250 lbs	375 lbs	lbs

APPROACHES AND DEAD SPAN

Item	Size	(2) 25' approach	Dead Span	Total
Rail plates (rp)	1'-8" x 12" -12"	56 pc	(1.1 rp/ft) + 5	pc
Anchor bolts	1" x 18"	112 pc	(2 x rp) + 10	pc
Nuts	1"	112 pc	(2 x rp) + 10	pc
Lock washers	1"	112 pc	(2 x rp) + 10	pc
Rail clips	#62	96 pc	(2 x rp) - 22	pc
Rail	115#	100 ft	2 x span = pc	ft
Anti-creep		(4 sets)	(4 sets)	sets
Est. grout	(non-shrink)	800 lbs	10 lbs/rp	lbs
Compromise joint *				
Insulated joint **				

8. MISCELLANEOUS HARDWARE:

The following hardware items are required to finish the 2000 Series installation. These items are not normally furnished by Fairbanks. The customer will normally have railroad maintenance crew working their rail line who have a better and more cost-effective access to this hardware. The following quantities are for estimating purposes only. For specific quantities, refer to the certified drawings.

* A compromise joint may be required if the existing rail is not 115# A.A.R. rail. The scale rail, approach rail and dead space rail must all be the same size (115#). The compromise joint is required where the approach rail joins the customer's existing rail.

** it is a requirement that the insulate joint be installed at the nearest joint of the approach rail with the customer's existing rail. This joint reduces the possibility of damage to load cells from lightning-induced voltages on the rail. On rail joints there is a minimum of 3 foot stagger required. This will span about two ties.

Authorized Fairbanks Representative Signature

(print name)

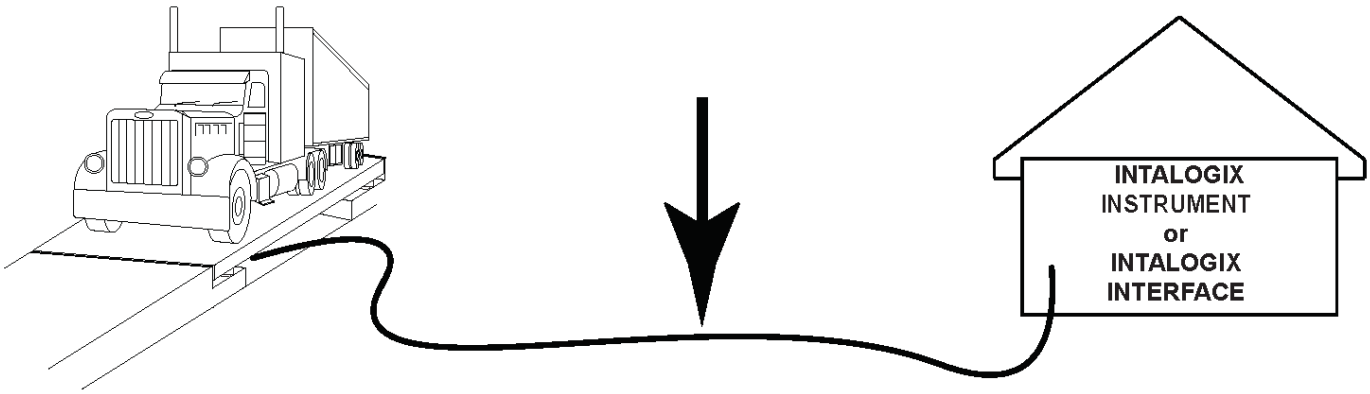
Date: _____

Customer Representative Signature

(print name)

Date: _____

Maximum Home Run Cable Distance (51519)



Maximum Home Run Cable Distance

The wiring that interconnects the system components referenced above is either part number 17245, which is a multi-color cable encased in a stainless steel braid, or 17246, which is a multi-colored cable without the braid. If a different cable is used by the installer, it **MUST be** AWG 18 GAUGE with individual shielded and twisted pairs. The quantity of load cells and their impedance will affect the cable distance between the Intalogix Instrument or the Intalogix Interface and the Pit Power Supply (Home Run Cable).
Refer to the following.

For 700 or 1000 ohm load cells

# CELLS	#SSCs	HOME RUN CABLE LENGTH	
		1 PPS	2 PPS
1	1	1800 FEET	3600 FEET
2	1	1800 FEET	3600 FEET
3	2	1800 FEET	3600 FEET
4	2	1800 FEET	3600 FEET
6	3	1800 FEET	3600 FEET
8	4	1800 FEET	3600 FEET
10	5	1800 FEET	3600 FEET
12	6	1150 FEET	2300 FEET
14	7	800 FEET	1600 FEET
16	8	575 FEET	1150 FEET

For 350 ohm load cells

# CELLS	# SSCs	HOME RUN CABLE LENGTH	
		1 PPS	2 PPS
1	1	1575 FEET	3150 FEET
2	1	1575 FEET	3150 FEET
3	2	1575 FEET	3150 FEET
4	2	1575 FEET	3150 FEET
6	3	1575 FEET	3150 FEET
8	4	1000 FEET	2000 FEET
10	5	575 FEET	1150 FEET

Longer cable distances will require a Solutions Request.

51519 Rev 1 12/20

Scale Rental Agreement

(Third Party's Premises)

This Scale Rental Agreement, entered into as of this ____ day of _____, 20__ by and between Fairbanks Scales Inc. ("Fairbanks") and _____ ("Renter"), and _____ ("Third Party"). In consideration of the mutual obligations and undertakings hereinafter set forth and other good and valuable consideration, the parties hereby agree as follows:

GENERAL PROVISIONS

1. Definitions:
   a. "Schedule"- the schedule attached hereto as Exhibit A.
   b. "Equipment"- the equipment identified and described in the Schedule A.
   c. "Location" – Renter's premises and the place that the Equipment will be kept, which is identified and described in Schedule A. Renter may not move Equipment from premises without prior written consent from Fairbanks.
2. Rental: Fairbanks hereby rents to Renter and Renter rents from Fairbanks, the Equipment upon the terms set forth in this Agreement.
3. Rent: Renter shall pay as Rent for use of the Equipment aggregate Rent(s) equal to the sum of all of the monthly Rent(s) for the entire term of the Agreement as specified in the Schedule. Renter shall pay the Rent in the manner set forth in the Schedule. The first payment of Rent shall be due upon delivery and acceptance of the Equipment and thereafter on the same day of each and every month during the term of this Agreement. All Rent(s) shall be paid to Fairbanks at its address set forth in Schedule A or as otherwise directed by Fairbanks in writing.
4. Security Deposit: Fairbanks acknowledges receipt from Renter of a Security Deposit in the amount of $_____. Fairbanks shall hold said amount as security for the performance by Renter of the terms of this Agreement. If Renter is not in default hereunder, at the termination of this Agreement Fairbanks shall return the Security Deposit to Renter, without interest, upon Renter's return of the Equipment in good condition, less ordinary wear and tear. In the event that Renter is in default of any term hereunder at the end of this Agreement, Fairbanks shall apply the Security Deposit to all amounts owing by Renter hereunder.
5. Term: The term of this Agreement is set forth on the Schedule. This Agreement cannot be cancelled or terminated except as expressly provided herein.
6. Selection of Equipment/Condition of Equipment:
   a. Renter acknowledges that it has selected the Equipment, including it size, design, model and capacity. Fairbanks makes no warranty, express or implied, as to any matter whatsoever, including the condition, quality, durability, or suitability of the Equipment, its merchantability or its fitness for any particular purpose. Fairbanks rents the Equipment "As Is."
   b. Renter is acknowledging that they (Renter) will examine the equipment, once on their location, to ensure that it is in good physical and mechanical condition. Renter will notify the local Fairbanks Representative of any defects or mechanical problems prior to the scale being placed into operation. Renter acknowledges that the equipment may be in a USED CONDITION. As a result of its prior use, Renter understands that the equipment may not be in the same condition as it was when it was new and may not operate as efficiently or effectively as if it were new.
7. Miscellaneous Charges: Renter is responsible for paying the freight from the point of origin and back to the Meridian, MS factory, plus any additional charges for installation and calibration. Fairbanks is not responsible for any site preparation such as compact level ground, ramps or material for ramps (excluding rented steel ramps) nor approaches.

8. Use/Repairs/Alterations/Loss and Damage: Renter shall keep the Equipment at the Location and shall not remove it to a different location without the prior written approval of Fairbanks. Equipment may not be used in any contaminated area or exposed to, or used around, any hazardous materials, substances and/or toxins. The Equipment must be used in accordance with the manufacturer's rated capacity and operating instructions. Until the return of the Equipment to Fairbanks, Renter shall pay Fairbanks to perform all maintenance required to keep the Equipment in good working order and in compliance with all normal, basic and periodic maintenance specifications set forth in the manuals for this Equipment. Renter shall not make any alterations of, or additions or improvements to, the Equipment without Fairbanks' prior written approval. Renter shall bear the entire risk of loss, theft, damage or destruction of the Equipment from any cause whatsoever, during the term of this Agreement and until the return of the Equipment to Fairbanks. Renter is solely responsible for and agrees to pay Fairbanks the full replacement value for replacing and/or repairing damages to the Equipment from any cause whatsoever, and further agrees to pay Fairbanks all expenses for loss of use, administration fees, diminishment in value and costs incurred by Fairbanks to recover the Equipment and establish damages, regardless of fault or negligence of Renter or any person, and regardless if damages are the result of an Act of God. Use of Equipment by persons other than the Renter or its designated operators will be at the sole risk of the Renter.

9. Ownership: The Equipment shall at all times remain the property of Fairbanks. Renter shall at all times protect and defend at its own cost and expense, the ownership of Fairbanks against all claims, liens and legal processes of creditors of Renter and other persons, and keep the Equipment free and clear from all such claims, liens and processes. The Equipment is and shall remain personal property, and not become part of any real estate, whether as a fixture or otherwise. Renter shall not remove brands or other labels from the equipment including markings indicating that Equipment is property of Fairbanks.

10. Uniform Commercial Code Financing Statements: If requested by Fairbanks, Renter shall execute any financing statements regarding the Equipment, pursuant to the Uniform Commercial Code. Renter authorizes Fairbanks and all of its assignees to file financing statements signed only by Fairbanks or such assignee(s) in all places where Fairbanks or said assignee(s) deems necessary to protect its or their interest in any jurisdictions where such authorization is permitted by law.

11. Insurance: Renter shall, during the term of this Agreement, secure and maintain at all times insurance, with an insurer of sound financial standing, covering loss, theft, damage or destruction of the Equipment in an amount no less than the market value of the Equipment. Renter shall provide that the proceeds of such insurance shall be payable to Fairbanks, and shall further provide that Fairbanks shall be named as an insured and loss payee of such insurance. Renter will provide Fairbanks a certificate of insurance evidencing insurance of Equipment and also provide a certificate of liability insurance naming Fairbanks as an additional insured under that policy. Upon the execution of this Agreement, Renter shall instruct its insurance agent, broker or company to confirm to Fairbanks in writing that the insurance required hereby has been bound, and inform Fairbanks in writing of the name of the insurance company binding such insurance and the amount of the insurance.

12. Disclaimer of Warranty: RENTER HEREBY WAIVES ANY AND ALL CLAIMS FOR DAMAGES FOR, BUT NOT LIMITED TO, CLAIMS FOR INJURY, PROPERTY DAMAGE, PARTS LABOR, DELAY OR BUSINESS INTERRUPTION BY RENTER OR THIRD PARTIES. UNDER NO CONDITIONS WILL FAIRBANKS BE RESPONSIBLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

13. Applicable Laws: Renter is responsible for complying with all applicable laws with regards to use and operation of the Equipment.

14. Payment/Interest/Defaults/Liens: If any amount due hereunder is not paid within fifteen (15) days of being due, Renter agrees to pay interest from the date due until paid at the lesser of eighteen (18%) per annum, or the maximum amount permitted by law, plus cost an lawyer's fees and all expenses of collection and repossession of the Equipment. Upon Renter's default on any payment, Fairbanks may repossess the Equipment without notice to Renter.

15. Events of Default: Renter shall be in default of this agreement: if Renter fails to pay any Rent when due; if Renter breaches any of the terms of the Agreement; if Renter becomes insolvent, ceases doing business, or if a petition for bankruptcy is filed by or against Renter; or if Renter is in default of any other Agreement with Fairbanks.

16. Remedies of Fairbanks: In the event of Renter's default as specified herein, Renter hereby waives notice of legal process and right to hearing and agrees that Fairbanks may peaceably enter Renter's premises to render Equipment inoperable and/or remove the Equipment without process of law or liability to Fairbanks. In such case, Fairbanks may terminate the Agreement without notice to Renter and without prejudice to any other claims Fairbanks might have against Renter and Renter shall remain liable for any losses or damage to the Equipment notwithstanding such termination. In such event, Renter agrees to pay Fairbanks Scales all monies due for the remainder of the Term as liquidated damages and not as a penalty. Fairbanks shall have the right to take any steps it deems necessary to recover the Equipment if it is not returned on the date specified or if this Agreement is otherwise terminated. Fairbanks remedies provided herein are not exclusive, but shall be cumulative to all other remedies existing at law and in equity.

17. Governance: This Agreement is to be governed by and construed in accordance with the laws of the State of Missouri.

18. Removal of equipment: Upon expiration or termination of this rental agreement, renter and third party, at its expense, shall make the equipment available for Fairbanks, or its contractor, to readily remove

19. Third Party Acknowledgement and Consent: Third Party acknowledges the responsibilities of Fairbanks and Renter under this agreement and consents to Renter placing Fairbanks property on Third Party's premises.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by a duly authorized agent on the date first noted above.

RENTER
By: _____
Title: _____
Printed name: _____
Date: _____

FAIRBANKS SCALES INC.
By: _____
Title: _____
Printed name: _____
Date: _____

THIRD PARTY
By: _____
Title: _____
Printed name: _____
Date: _____

EXHIBIT A
SCHEDULE

RENTER:

Renter's full legal name: _____

Renter's billing Address, City, State, ZIP Code and County:

Equipment location, if different from above:

Contact person's name and telephone number at equipment location:

Contact person's name and telephone number: _____

Equipment description: _____

Equipment serial number: _____

Term:

FAIRBANKS:
Renter's Service Center address:

_____

Renter's Service Center telephone: _____

Renter Service Center contact name: _____

Address for notice: **6800 West 64th Street / Overland Park, KS 66202**

Address for remittance: **PO Box 419655, Kansas City MO 64121-9655**

RENTER INITIAL HERE: _____