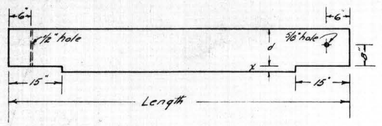
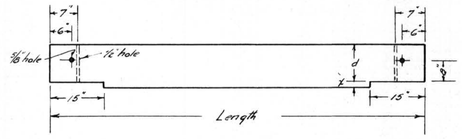
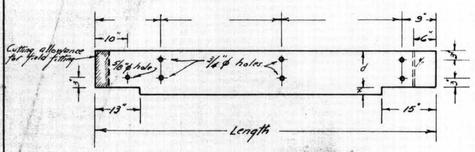


Inside stringers for end spans of multiple span bridges. **Mk. A.**



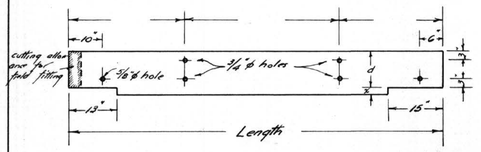
Inside stringers for intermediate spans of multiple span bridges. **Mk. B.**



Outside stringers for end spans of multiple span bridges. **Mk. C.**

Stringers with ¾" ϕ holes for rail posts **Mk. C₁.**

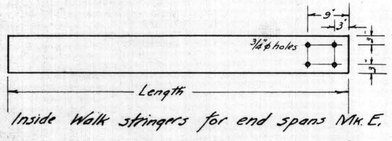
" " without " " " " " " **Mk. C₂.**



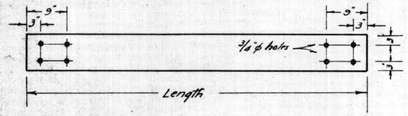
Outside stringers for intermediate spans of multiple span bridges. **Mk. D**

Stringers with ¾" ϕ holes for rail posts **Mk. D₁.**

" " without " " " " " " **Mk. D₂.**

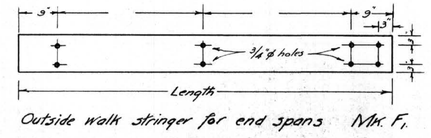


Inside Walk stringers for end spans **Mk. E.**

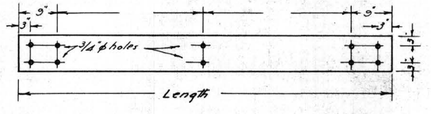


Outside Walk stringers for intermediate spans **Mk. E₂.**

3"x12" Walk Stringers Mk. E.



Outside Walk stringer for end spans **Mk. F₁.**

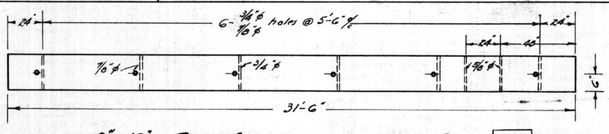


Outside Walk stringer for intermediate spans **Mk. F₂.**

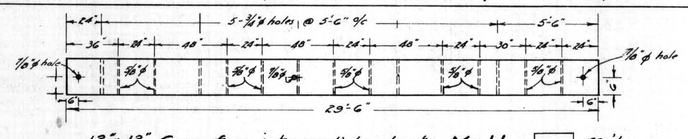
2"x12" Walk Stringers Mk. F.

No	Size ins	Length Ft.	Mark.

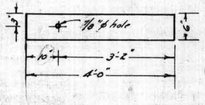
No of stringers required



12"x12" Caps for end bents. **Mk. G.** ☐ req'd

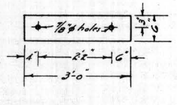


12"x12" Caps for intermediate bents **Mk. H.** ☐ req'd.



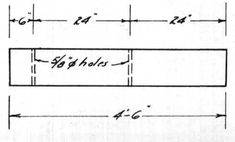
4"x6" Clamp Mk. J.

☐ req'd



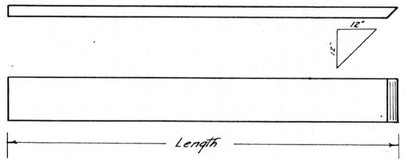
4"x6" Clamp Mk. K.

☐ req'd.



12"x12" Block Mk. L.

☐ req'd.



3"x12" Wing planks Mk. M

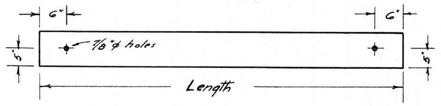
☐ required of length ☐

☐ " " " ☐

☐ " " " ☐

☐ " " " ☐

☐ " " " ☐

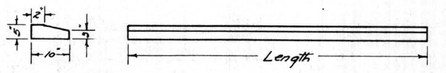


3"x10" Sway Brace Mk. N.

☐ required of length ☐

☐ " " " ☐

☐ " " " ☐

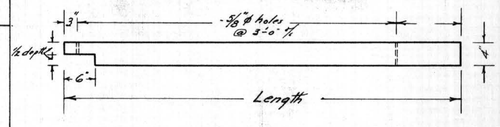


5"x10" Floor Plank Mk. O.

☐ required of length ☐

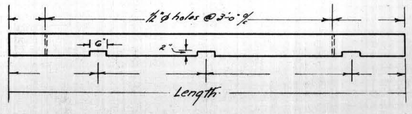
☐ " " " ☐

☐ " " " ☐



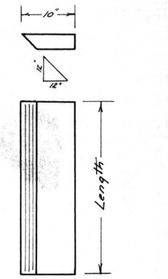
4"x6" Guard Rail Mk. P.

☐ required of length ☐



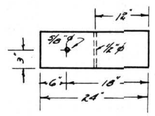
6"x6" Guard Rail Mk. R.

☐ required of length ☐



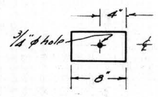
3"x10" Batten Mk. S.

☐ reqd. of length ☐



4"x6" Strap Mk. T.

☐ required



2"x6"x8" Risers Mk. U.

☐ required

Note:-
Ends of stringers must be cut square and true. Dimension "d" must be exactly the same for all stringers of same nominal depth, ∴ the depth of the shoulder "x" will vary according to the depth of the rough stringer, but shall not be less than 2" and not more than 3". Shoulder "x" shall be cut square.

BILL OF TREATED TIMBER.

Mark	No	Description.	Size	Length	Treatment	Remarks	F.B.M.

BILL OF TREATED PILING.

No	Butt Dia.	Tip Dia.	Length	Lin. Ft

BILL OF IRON.

Mk.	No	Description	Size	Length	Location	Lbs.

BILL OF UNTREATED TIMBER.

No	Description	Size	Length	Remarks	F.B.M.

NOTE:-
All Timber to be Coast Douglas Fir of the grades shown on the Bills of Material. Timber designated by Mark shall be framed before treatment according to the details shown on the plan.

CITY OF WINNIPEG
M.B. DETAIL OF FRAMING AND BILL OF MATERIALS FOR BRIDGE
SCALE: ..... DATE: Aug. 7th 1916
W. ALDRIDGE: DESIGNING ENGINEER
W. P. BAMPTON, CITY ENGINEER.
DRAWN BY: N.S. Bubbis
TRACED BY: .....
CHECKED BY: A. Aldridge
APPROVED BY: ..... PLAN NO. 1077
NOTES ..... TUBS NO. 680

#4363