

Bridge

NEUROLOGICAL INSTITUTE.

July 11/32.

MEMO ON CONDITIONS CREATED BY
PROPOSED BRIDGE.

It is proposed to join to the present passage to the Ross Pavilion at a point just south of where this passage spans the driveway. From this junction the bridge would span across the various roadways, the largest span being about 34'0". Support can also be obtained on the walls of the Power House Extension and on the curved portion of the East Wing.

The bridge would also span across the entire width of the sidewalks and roadway of University Street, connecting to the Neurological Building at the 3rd Floor.

The level of the bridge floor at the connection with the Ross Tunnel would be Elev. 127.38, which is 6.38 feet higher than the proposed elevation of the Third Floor. This would be taken up in a uniform slope of 2.66%.

The present clearance under the Ross Tunnel is 9'-6 $\frac{1}{2}$ ". The minimum clearance under the new bridge at the roadway to the East of the Main Building would be about 11'-3".

The clearance under the roadway west of the East wing would be about 17'0", while the clearance over University Street would be about 25'0" as shown on our drawing No. 48.

The north window of laboratory in the N.E. corner of the Main Building at the 2nd Floor (Ross Tunnel level) would be somewhat affected by the wall of the bridge, being only 9'0" away, but this room also has two additional windows on the East wall.

In the East wing the Lecture Room on the First Floor (above the Chapel) would be darkened by the shadow of the bridge. This room has 5 windows, which are indicated on our drawing No. 2.1-7.

Two of the Northern windows in the two Operating Rooms on the 2nd Floor of the East Wing would be rendered useless, but this could be compensated for by increasing the size of one of the remaining windows in each room if required.

It would be necessary to project the bridge a short distance into the corner of the two storey extension to the Power House, as indicated on drawing No. 2.1-7

This projection would not, however, interfere with the clearance over the existing heaters.

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The one storey extension would not be affected, as the bridge clears the roof of this portion of the building.
