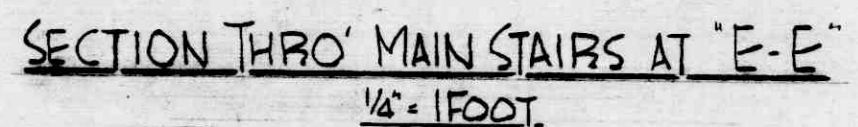
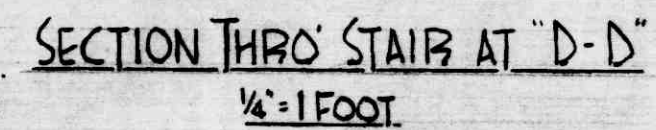
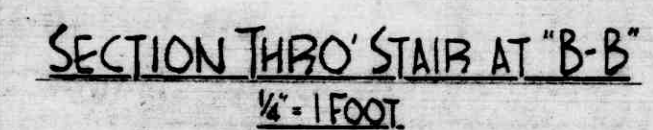
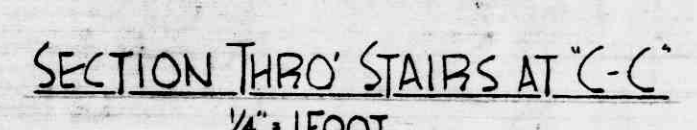
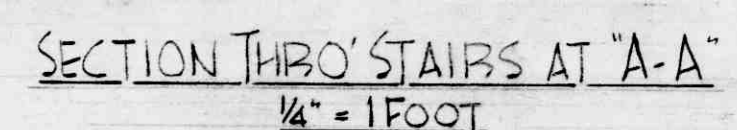
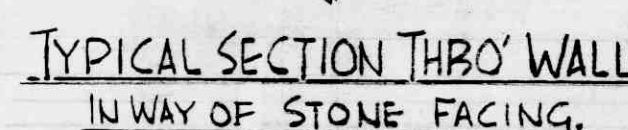


MAIN CONCOURSE FLOOR ^{AND} JOIST SCHEDULE															VERTICALS		
NO. OF JOISTS	JOIST LETTER & NUMBER	NO. OF BARS	SIZE	LENGTH	BENDING											TYPE	VERTICALS
					C												
					FJ												
					A	B	C	D	E	F	G	H					
18	J-1	18	3/4" Ø	20'-0" 24'-9"	4'-1"	1'-1"	19'-6" 10'-0"	1'-1"	8'-0"		6" 3"	H		541 464			
25	J-2	25	1 1/2" Ø 3/4" Ø	21'-0" 30'-8"	8'-0"	1'-1"	21'-0" 10'-6"	1'-1"	10'-0"		3/4"			446 802			
27	J-3	27	1 1/2" Ø 1/2" Ø	19'-6" 29'-0"	9'-0"	1'-1"	19'-6" 9'-6"	1'-1"	8'-4"		3/4"			352 572			
70	J-4	70	1 1/2" Ø 1/2" Ø	16'-6" 24'-6"	8'-4"	1'-1"	16'-6" 7'-0"	1'-1"	7'-0"		3/4"			771 1143			
108	J-5	108	1 1/2" Ø 1/2" Ø	17'-0" 21'-3"	7'-4"	1'-1"	16'-6" 8'-0"	1'-1"	3'-3"	6" 6"	3/4"			1562 1953			
11	J-6	11	1/2" Ø 1/2" Ø	15'-11" 16'-7"	3'-4"	1'-1"	14'-11" 6'-9"	1'-1"	3'-4"	6" 6"	6"	3/4"		149 154			
20	J-7	20	3/4" Ø 3/4" Ø	21'-9" 22'-5"	4'-6"	1'-1"	20'-9" 10'-3"	1'-1"	4'-6"	6" 6"	6"	3/4"		654 675			
															TOTAL JOISTS		



ALL 2 1/2" SLABS OVER JOISTS TO BE REINFORCED WITH
1/4" ϕ BARS @ 12" O.C. AT RIGHT ANGLES TO JOISTS &
1/4" ϕ BARS @ 24" O.C. PARALLEL TO JOISTS OR ELECTRIC
WELDED MESH OF 6"x12" NO. 6 OR NO. 9 WIRES.

LIBRARY BUILDING		DWG. NO.
SCALE = 1/8" = 1 FOOT	F. WAVELL URRY	S-3
DATE = JULY 26, 1946	CONSULTING STRUCTURAL ENGINEER	
DRAWN BY = WGS.	SHARP & THOMPSON	SET NO.
TRACED BY =	ARCHITECTS	
CHECKED BY = <i>F.W.U.</i>	VANCOUVER, B.C.	
UNIVERSITY OF BRITISH COLUMBIA.		