BEAM SCHEDULE

Dimensions are given looking at plan from bottom or right hand side.

BEAM MARK	SIZE W	SIZE D	BOTTOM BARS BENT	BOTTOM BARS STR.	TOP BARS LEFT	TOP BARS CENTER	TOP BARS RIGHT	REMARKS	STIRRUPS SIZE	STIRRUPS TYPE	STIRRUPS LOCATED AT	STIRRUPS SPACING MARK THUS - 3/4 = 3 @ 4"
BASEMENT FLOOR												
B.B.1.	12"	24"	2-#7	2-#6	2-#9		2-#9		3/8" ø	[box]	Each End	5/9
B.B.2.	10"	12"	2-#5	1-#5					3/8" ø	-Do-	Each End.	2/12.
B.B.3.	12"	24"	2-#7	2-#7				3-#8 Extra Top Bars at Supports Between B.B.3. & B.B.3	3/8" ø	-Do-	Lines E & I. Line G.	3/12. 2/9; 3/12.
B.B.4.	12"	24"		2-#6 2-#5	2-#6		2-#6		3/8" ø	-Do-	Each End.	2/12.
B.B.4A.	12"	24"		4-#7	2-#9 1-#8		2-#9 1-#8	Top Bars Cont. into B.B.4B.	3/8" ø	-Do-	Each End.	3/12.
B.B.4B.	12"	24"		2-#6 2-#5	2-#9 1-#8		2-#6	2-#9 1-#8 From B.B.4A.	3/8" ø	-Do-	Lines A & E Lines A1 & C	2/12. 3/12.
B.B.5.	24"	36"	5-#9	4-#9				1-#9 Extra Top Bar Over Int. Support. Extend Bottom Bars into B.B.6.	1/2" ø	-Do-	Lines 9 & 21 Lines 8 & 20	2/12 3/12.
B.B.6.	24"	36"	4-#9	3-#9				2-#9 Extra Top Bars Over Supports Between B.B.6 & B.B.6.	1/2" ø	-Do-	Each End	2/12.
B.B.7.	12"	36"		6-#8	4-#7		4-#7	Extend Top Bars Over Supports Between B.B.7. & B.B.7.	1/2" ø	-Do-	Each End	2/12.
B.B.7A.	12"	36"		4-#7				4-#7 Top Bars At Ext. Support	1/2" ø	-Do-	Each End	2/12.
B.B.7B.	12"	36"		4-#7				4-#7 Top Bars Over Supports	3/8" ø	-Do-	Each End	2/12.
B.B.7C.	24"	36"		5-#7				5-#7 Top Bars Over Supports	3/8" ø	-Do-	Each End	2/12.
[illegible]	[illegible]	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
B.B.8A.	12"	24"		2-#7 1-#6				2-#7 1-#6 Top Bars Over Support Between B.B.8A & B.B.7A or B.B.8A	3/8" ø	-Do-	Each End	2/12.
B.B.9.	24"	36"	5-#10 (In 2 Rows)	4-#10		2-#7 F.L.		3-#10 Extra Top Bars Over Support Between B.B.9 & B.B.10. 8-#10 Extra Bottom Bars Over Support Between B.B.9. & B.B.10.	1/2" ø	-Do-	Lines 9 & 21 Lines 11 & 19	3/12. 1/6; 1/9; 4/12.
B.B.10.	24"	36"	5-#10	3-#10				2-#10 Extra Top Bars & 6-#10 Extra Bottom Bars Between B.B.10. & B.B.10.	1/2" ø	-Do-	Each End	3/12.
B.B.11.	24"	36"	4-#9	3-#9				2-#9 Extra Top Bars Over Support Between B.B.11. & B.B.12.	1/2" ø	-Do-	Each End	2/12.
B.B.12.	24"	36"	3-#9	3-#9				2-#8 Extra Top Bars Over Support Between B.B.12. & B.B.12	1/2" ø	-Do-	Each End	2/12.
B.B.13.	24"	36"		6-#8	3-#8		7-#8	7-#8 Bars From B.B.14.	1/2" ø	-Do-	Each End	2/12.
B.B.14.	24"	36"		4-#8		7-#8 F.L.		Extend Top Bars into B.B.13.	1/2" ø	-Do-	Each End	2/12.
B.B.15.	11"	58"		2-#6		2-#5 F.L.		10-#4 Bars Spaced Between Top & Bottom Bars (See Section).	1/4" ø	-Do-	Throughout	At 18" c/c.
B.B.16.	11"	36"	2-#9	2-#9 2-#8				Bottom Bars in 2 Rows (See Section D-D, DWG No. S-2)	3/8" ø	-Do-	Line 8. Line 7.	2/12. 2/9.
FIRST FLOOR												
1.B.1.	12"	20"	3-#9	3-#8				Bottom Bars in 2 Rows	3/8" ø	[box]	Each End	5/9.
1.B.2.	20"	20"	4-#8	3-#8				(See Section) (DWG. No. S-3)	1/4" ø	-Do-	Line E Line G	2/9. 3/3; 2/6; 2/9.
1.B.3.	12"	24"	2-#7	1-#7				1-#7 Extra Top Bar Over Int. Common Support.	3/8" ø	-Do-	Each End	2/10.
1.B.4.	12"	24"	2-#8	2-#8				2-#8 Extra Top Bars Over Int. Common Support.	3/8" ø	-Do-	Line E Line G	3/9. 3/9.
1.B.5. 1.B.5.A	8" 8"	12" 21"	2-#4	1-#5				1-#4 Extra Top Bar Over Supports Between 1.B.5. & 1.B.6.	1/4" ø	-Do-	Lines 7 & 21 Lines 8 & 20	2/12. 1/6; 1/12.
1.B.6 1.B.6.A	8" 8"	12" 21"	2-#4	1-#4					1/4" ø	-Do-	Each End	2/12.
1.B.7.	8"	14"	2-#5	1-#6					1/4" ø	-Do-	Each End	2/12.
1.B.10.	18½"	19½"		3-#6 2-#6				2-#6 Top Bars At Ext. Support. 3-#6 2-#5 Top Bars Over Int. Supports	3/8" ø	-Do-	Each End	2/12.
1.B.11.	15½"	25"		3-#6 2-#5				3-#6 2-#5 Top Bars over Supports.	3/8" ø	-Do-	Each End	2/12.
1.B.12.	25"	8"	4-#5	4-#5				(See Section) (DWG. No. S-3)	1/4" ø	-Do-	Each End	2/12.
1.B.13.	10"	12"	2-#5	1-#5					1/4" ø	-Do-	Each End	3/12
1.B.16.	8"	12"	2-#5	1-#5				(See Section) (DWG. No. S.3.)	1/4" ø	-Do-	Each End.	2/12

SLAB SCHEDULE

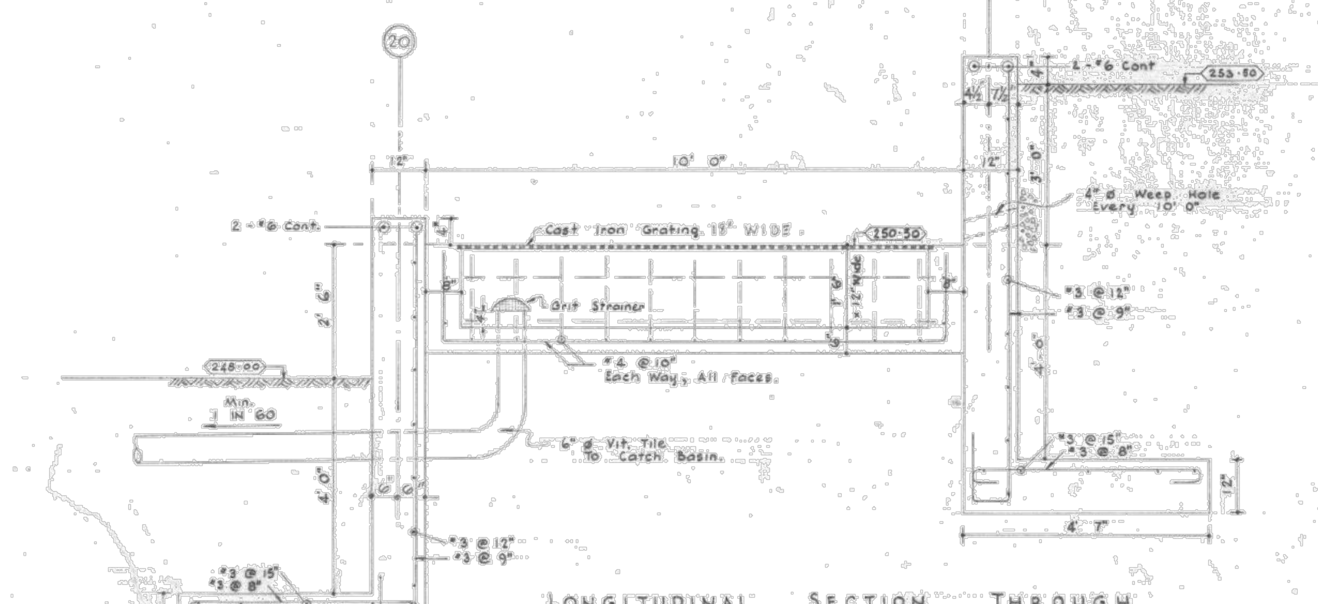
SLAB MARK	THICKNESS	MAIN REINFORCEMENT	TEMP. REINFORCEMENT	REMARKS
BASEMENT FLOOR				
B.S.1.	6"	#4 @ 15", #5 @ 15" Placed Alternatively	#4 @ 16"	
B.S.2.	6"	#4 @ 7½" Alt. Bt. & Str.	#4 @ 16"	
B.S.3.	6"	#4 @ 8" Str. Bottom, #4 @ 15" Str. Top	#3 @ 15" Top & Bottom	
B.S.4.	6"	#4 @ 9" Alt bent & straight	#3 @ 13"	#4 @ 9" Extra top bars over common support.
FIRST FLOOR				
1.S.1.	4"	#5 @ 17", #4 @ 17" Placed Alternatively	#3 @ 15"	#3 @ 8½" Extra Top Bars Over Supports Between 1.S.1. & 1.S.2.
1.S.2.	4"	#4 @ 8½" Alt. Bt. & Str.	#3 @ 15"	#3 @ 8½" Extra Top Bars Over Supports Between 1.S.2. & 1.S.2.
1.S.3.	4"	#4 @ 10" Str. Bottom, #3 @ 10" Str. Top	#3 @ 15" Top & Bottom	Extend Top Bars into 1.S.8.
1.S.4.	4½"	#4 @ 9" Alt bent & straight	#3 @ 13"	#4 @ 9" Extra top bars over common support
1.S.5.	4½"	#4 @ 4½" Alt bent & straight		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

COLUMN SCHEDULE

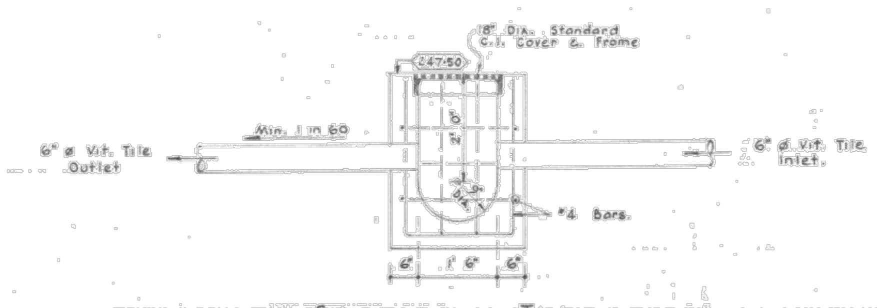
COLUMN Nos / Top of Conc. Roof Slab	5E, 6E, 7E	6G & 7G	5G	2E 2H 5I, 3E 8H 6I, 4E 2I 7I, 2F 3I 8I, 2G 4I	ALL OTHER COLUMNS	G8 to G21 (INCLUSIVE)	A8 to A21 (INCLUSIVE)	A1 5, A2 5, B5 & D5	COLS FOR COVERED WALK	B2,3,4 D2,3,4	A4 6	A2 6
Steel (10'-10½")	6H20	6H20	6H20	6H20 1'-1½"	6H20	6H20	6H20	8I 18.4			8H 24.75	5×5 M18.9
Fin. 2nd Floor; Steel (11'-0")	8H24.75	6H20	8H24.75	6H20		6H20	6H20	8I 18.4	4"×4" □ STEEL TUBING @ 9.28# (267.16)	4"×4" □ STEEL TUBING @ 9.28#	8H 24.75	5×5 M18.9
Fin. 1st Floor; Baseplates / Anchor Bolts	11"×11"×3/4" 4-3/4"ø	9"×9"×1/2" 4-3/4"ø	11"×11"×3/4" 4-3/4"ø	8"×8"×1/2" 2-3/4"ø		8"×8"×1/2" 2-3/4"ø	8"×8"×1/2" 2-3/4"ø	8"×8"×1/2" 2-3/4"ø	6"×8"×1/2" 2-3/4"ø	6"×8"×1/2" 2-3/4"ø	8"×8"×1/2" 2-3/4"ø	6"×8"×1/2" 2-5/8"ø
Concrete Piers (11'-0") Size, Reinf., Ties	12"×12", 4-#9, #3 @ 12"	12"×12", 4-#7, #3 @ 12"	14"×14", 4-#8, #3 @ 12"	12"×12", 4-#6, #3 @ 12"		17"×12", 6-#8, #3 @ 12" (See Section A-A) Wall	14"×12", 4-#7, #3 @ 12" (See Section A-A) Wall	Wall	Wall	10"×10", 4 #5, #3 @ 10"	12"×12", 4 #6, #3 @ 12"	WALL
Fin. Basement Floor; Dowels	4-#9	4-#7	4-#8	4-#6		6-#8	4-#7			4 #6		

GENERAL NOTES:—

- ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I. AT THE END OF 28 DAYS, UNLESS OTHERWISE SPECIFIED.
- ALL REINFORCING STEEL TO BE INTERMEDIATE OR HARD GRADE STEEL DEFORMED BARS.
- HORIZONTAL BARS IN WALLS TO BE LAPPED 24" AT ALL CORNERS AND SPLICES.
- CONCRETE LINTELS OVER ALL OPENINGS IN INTERIOR PARTITIONS TO BE EQUAL TO THE WALL THICKNESS. DEPTH SHALL BE 8" FOR SPANS UP TO 6' 0", REINFORCED WITH 1-#4 BAR TOP AND BOTTOM FOR EACH 4" OF THICKNESS.
- STEEL COVER:—
  - SLABS ... 3/4"
  - INTERIOR FACE OF BASEMENT WALLS ... 1"
  - BEAMS & COLUMNS ... 1½"
  - EXTERIOR FACE OF BASEMENT WALLS ... 2"
  - FOOTINGS ... 3"
- MEMBRANE WATERPROOFING AS INDICATED AND SPECIFIED.
- ALL SLABS ON GRADE TO BE REINFORCED AS SHOWN ON PLAN OR WITH EQUIVALENT WELDED WIRE MESH.
- PROVIDE RUBBER WATER STOPPER AS INDICATED AND SPECIFIED.
- GROUT UNDER ALL BASEPLATES OF STEEL COLUMNS TO PROVIDE FULL BEARING.
- CONTRACTOR TO PAY SPECIAL ATTENTION TO CORRECTLY POSITIONING ALL PIPE SLEEVES IN R.C. BEAMS. CONTRACTOR SHALL WORK IN CLOSE COORDINATION WITH THE MECHANICAL CONTRACTOR WITH RESPECT TO LEAVING A PREREQUISITE NUMBER OF OPENINGS FOR PIPES, VENTILATION DUCTS, ETC., PASSING THROUGH R.C. WALLS. THESE OPENINGS SHALL BE REINFORCED AS SPECIFIED IN DETAIL ON DRAWING No S.2.
- REINFORCING FOR R.C. WALLS
  - 12" WALL #4 @ 12" c/c EACH WAY, EACH FACE.
  - 10" WALL #4 @ 16" c/c " "
  - 8" WALL #4 @ 10" c/c " AT MID SECTION



LONGITUDINAL SECTION THROUGH STORM WATER TRENCH AT LOADING PLATFORM.



SECTION THROUGH CATCH BASIN.

REVISIONS	
DATE	RECORD

DEPARTMENT OF PUBLIC WORKS OF CANADA

BUILDING CONSTRUCTION BRANCH — E. A. GARDNER, CHIEF ARCHITECT

OTTAWA, ONTARIO.

RIVERSIDE DRIVE DEVELOPMENT
OFFICE BUILDING FOR DEPARTMENT of INSURANCE

DRAWN BY: A.G.J./D.L. — CHECKED BY: — APPROVED BY: — SCALE: AS NOTED — DRWG. NO. S.6R of 6

DATE: — DATE: 7/7/58 — DATE: 9-7-58 — PLAN FILE NO.: 676

JOB No. CA 58-5-12

14-A

Canada

Public Works and Government Services Canada / Travaux publics et services gouvernementaux Canada

Project Delivery & Professional/Technical Services
Architecture & Interior Design
Real Property Operations Solutions

Exécution de Projets et Services Professionnels/ Techniques
Architecture et Design d'intérieur
Solutions des Opérations Immobilière

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AAR PROJECT 5806-00

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LICENSED PROFESSIONAL ENGINEER — J. D. VIENNEAU — 100176742 — JULY 11 2018 — PROVINCE OF ONTARIO

revisions	description	date
0	ISSUED FOR TENDER / DOCUMENT DE SOUMISSION	JULY 11 2018
B	ISSUED FOR 99% REVIEW / DOCUMENT À 99%, À FAIRE RÉVISER.	MAY 17 2018
A	ISSUED FOR 66% REVIEW / DOCUMENT À 66%, À FAIRE RÉVISER.	APRIL 17 2018

A detail no. / no. du detail
B location drawing no. / sur dessin no.
C drawing no. / dessin no.

project / projet

INSURANCE BUILDING DECONSTRUCTION / DÉCONSTRUCTION DE L'ÉDIFICE DES ASSURANCES

770 HERON ROAD / 770 CHEMIN HERON
CONFEDERATION HEIGHTS CAMPUS / CAMPUS DE LA CONFÉDÉRATION
OTTAWA, ONTARIO CANADA

drawing / dessin

ORIGINAL STRUCTURAL DRAWING S6 (NOT TO SCALE) / DESSIN STRUCTUREL ORIGINAL S6 (PAS À L'ÉCHELLE)

Designed By / Conçu par: J. VIENNEAU
Date (yyyy/mm/dd)

Drawn By / Dessiné par: M. KACHI
Date (yyyy/mm/dd)

Reviewed By / Examiné par: J. VIENNEAU
Date (yyyy/mm/dd)

Approved By / Approuvé par: J. VIENNEAU
Date (yyyy/mm/dd)

Tender / Soumission

RICHARD CZUBA
Project Manager / Administrateur de projets

Project no. / No. du projet: R.083733.100

Drawing no. / No. du dessin: S505

A1 594 x 841

0 10 20mm 40 60 80 100 120 140 160 180 200mm
C