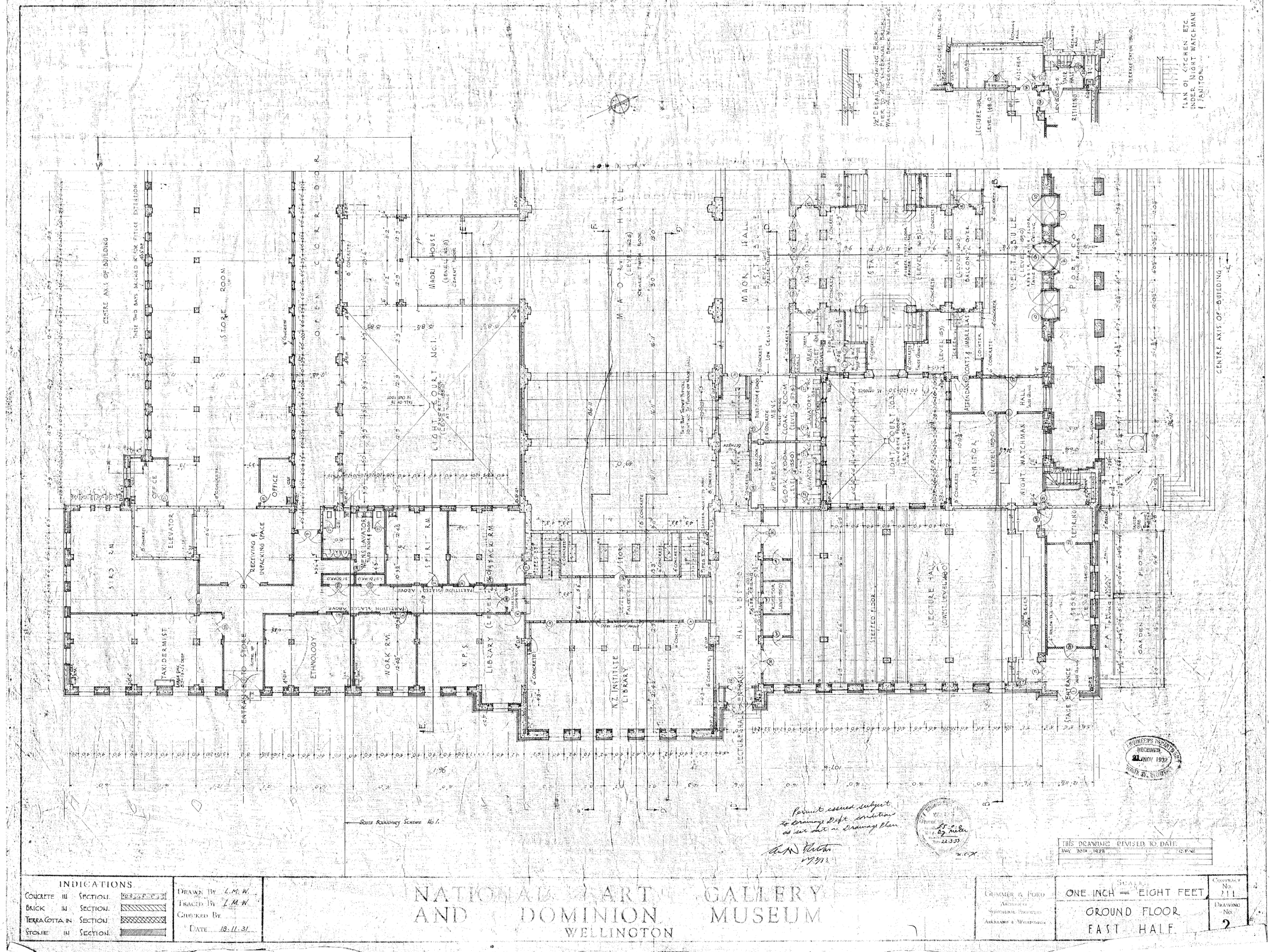


INDICATIONS

CONCRETE	IN SECTION.	
BRICK	IN SECTION.	
TERRA COTTA	IN SECTION.	
STONE	IN SECTION.	

DRAWN BY L.M.W.
TRACED BY L.M.W.
CHECKED BY
DATE 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

SCALE
ONE INCH = EIGHT FEET

GROUND FLOOR
EAST HALF

CONTRACT No. 211
DRAWING No. 2

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

INDICATIONS
CONCRETE IN SECTION.
BRICK IN SECTION.
TERRA COTTA IN SECTION.
IN SECTION

DRAWN BY L.M.W.
TRACED BY L.M.W.
CHECKED BY
DATE 10.11.31

GUMMER & FORD
ARCHITECTS
SPECIALIZE IN HOSPITALS
AUCKLAND & WELLINGTON

SCALE: ONE INCH = EIGHT FEET

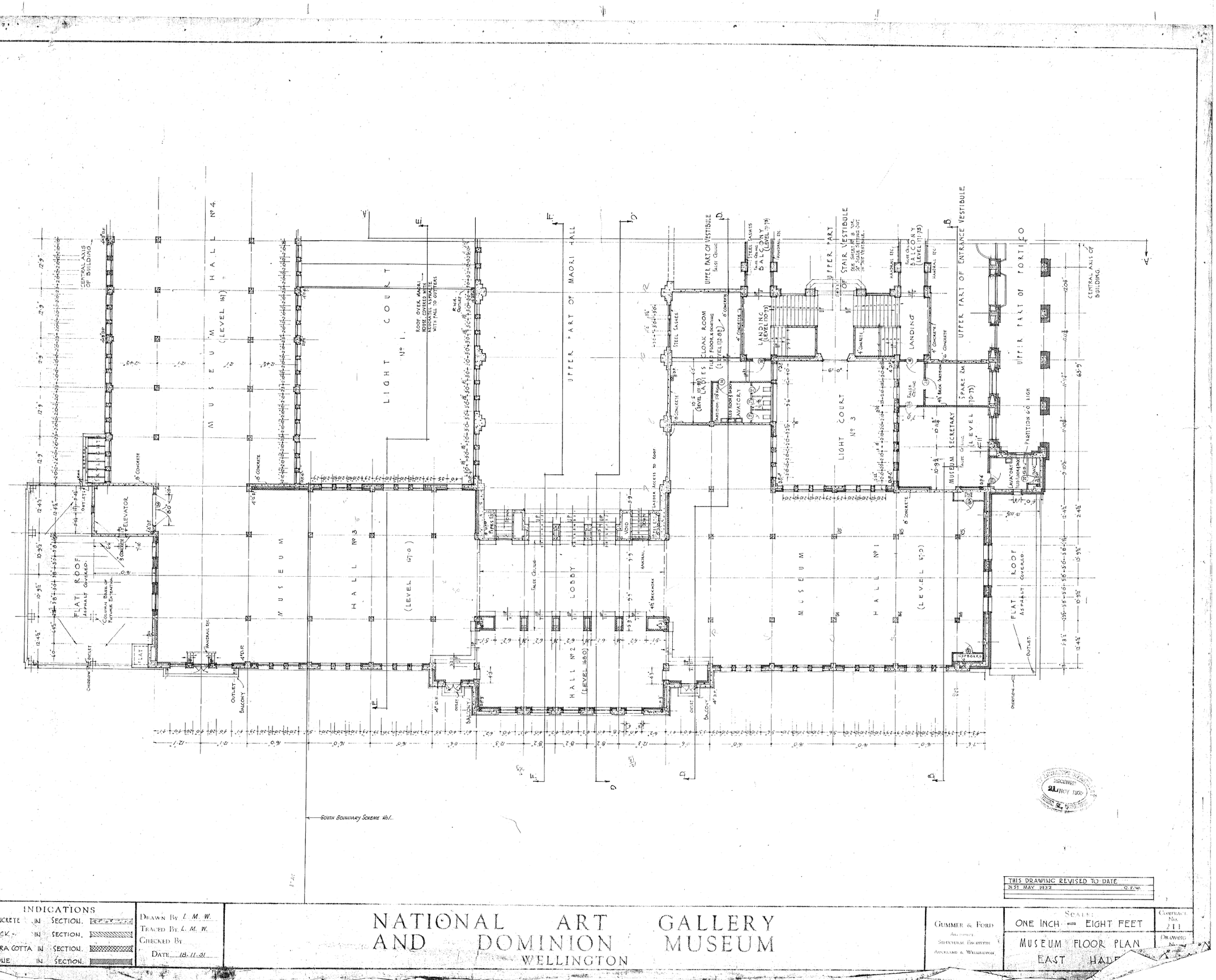
CONTRACT No. 211

GROUND FLOOR

DRAWING No. 3

RECEIVED 21 NOV 1932

THIS DRAWING REVISED TO DATE
30TH MAY 1930 S.F.W.



INDICATIONS	
CONCRETE IN SECTION.	
BRICK IN SECTION.	
TERRA COTTA IN SECTION.	
STONE IN SECTION.	

Drawn By L. M. W.
Traced By L. M. W.
Checked By
Date 18-11-31

THIS DRAWING REVISED TO DATE
31ST MAY 1932 G.F.W.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

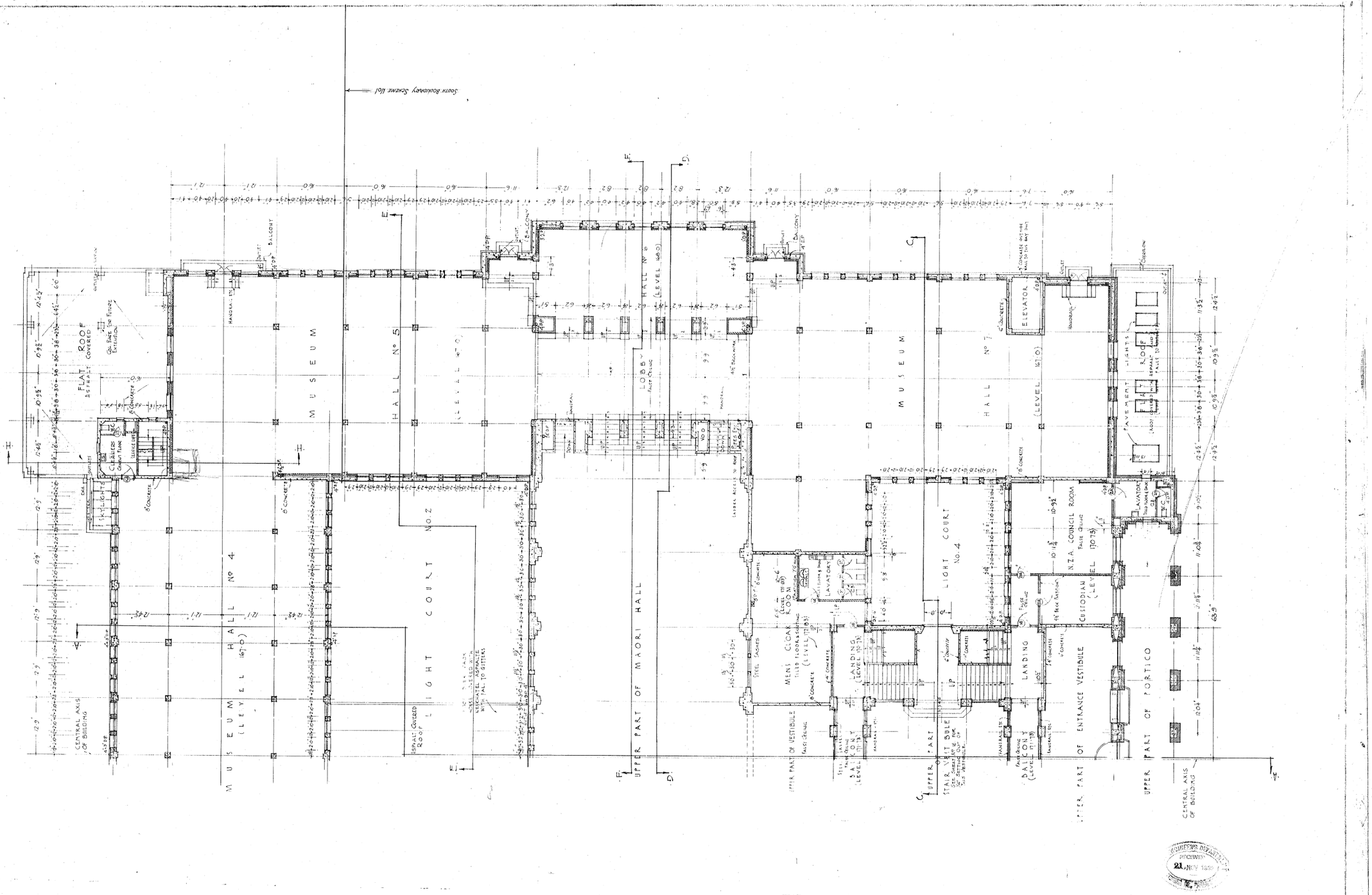
Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

Scale:
ONE INCH = EIGHT FEET

MUSEUM FLOOR PLAN
EAST HALF

Contract No. 211
Drawing No. 4

RECEIVED
23 NOV 1932



ENGINEERS DEPARTMENT
RECEIVED
21 NOV 1932
WELLINGTON N.Z.

THIS DRAWING REVISED TO DATE
30TH MAY 1932 G.F.W.

INDICATIONS
CONCRETE IN SECTION
BRICK IN SECTION
TERRA COTTA IN SECTION
STONE IN SECTION

DRAWN BY L.M.W.
TRACED BY L.M.W.
CHECKED BY
DATE 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

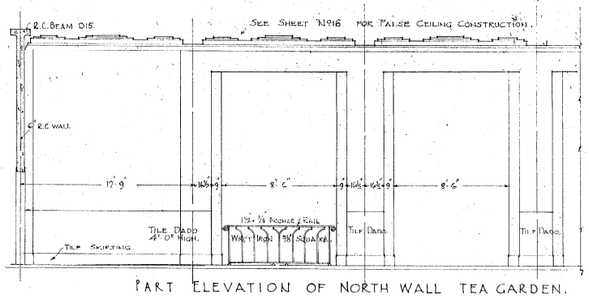
GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

SCALE:
ONE INCH = EIGHT FEET

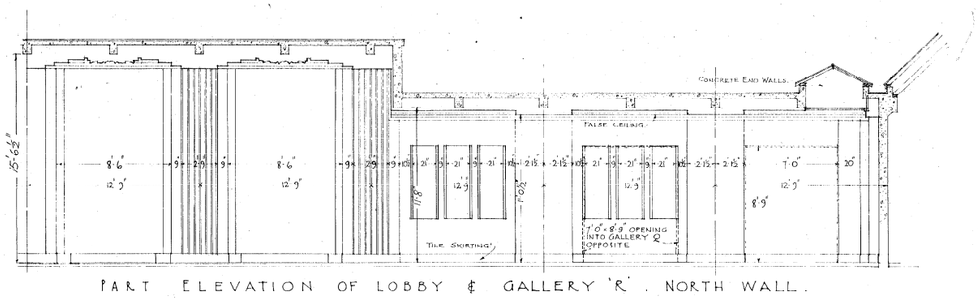
MUSEUM. FLOOR PLAN
WEST HALF

CONTRACT No. 313

DRAWING No.

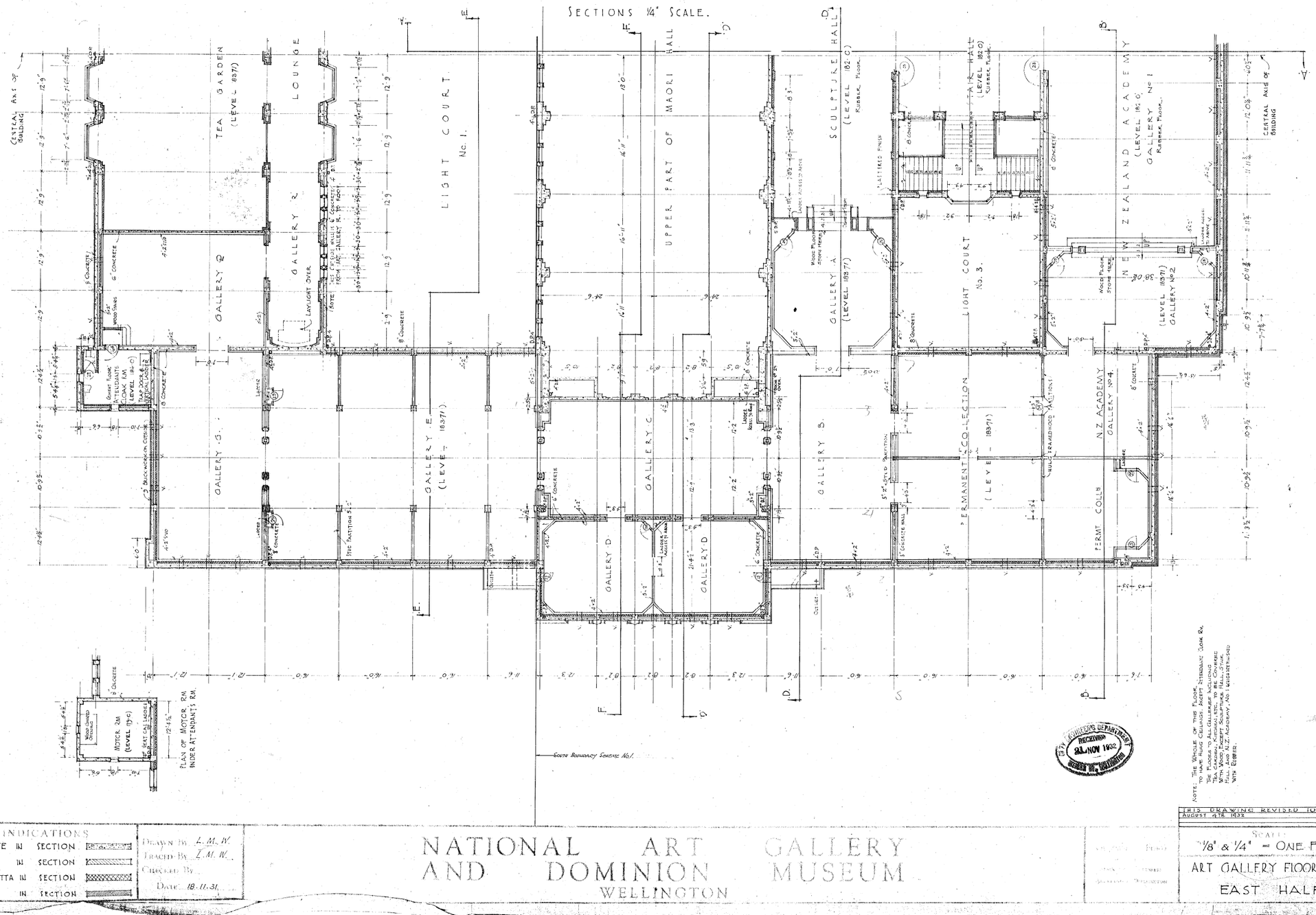


PART ELEVATION OF NORTH WALL TEA GARDEN.



PART ELEVATION OF LOBBY & GALLERY 'R'. NORTH WALL.

SECTIONS ¼" SCALE.



NOTE:- THE WHOLE OF THIS FLOOR TO HAVE RUBBER COVERINGS EXCEPT ATTENDANTS' CLOAK RM. THE FLOORS TO ALL GALLERIES INCLUDING THE WOODEN FLOORS TO BE LAID ON CONCRETE WITH ASPHALTUM SLEEPERS. NO WOODEN FLOORS IN HALL AND N.Z. ACADEMY, NO 1 EXCEPTED.

CITY ENGINEER'S DEPARTMENT RECEIVED 21 NOV 1932 CHIEF DRAUGHTSMAN

INDICATIONS

CONCRETE	IN	SECTION
BRICK	IN	SECTION
TERRA COTTA	IN	SECTION
STONE	IN	SECTION

DRAWN BY L.M.W.
TRACED BY L.M.W.
CHECKED BY
DATE 18.11.31.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

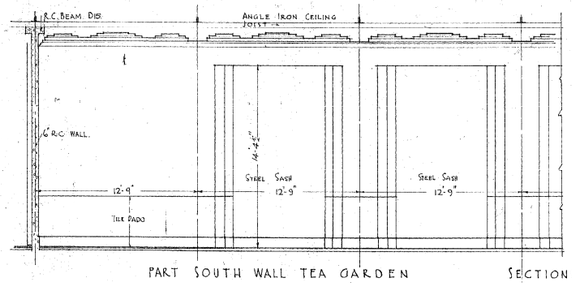
THIS DRAWING REVISED TO DATE AUGUST 4TH 1932 A.F.W.

SCALE 1/8" & 1/4" = ONE FOOT.

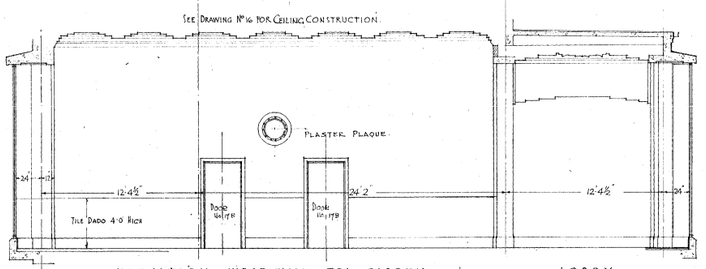
ART GALLERY FLOOR PLAN EAST HALF.

CONTRACT NO. 11

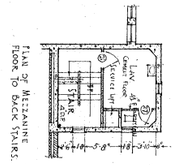
DRAWING NO. 6.



PART SOUTH WALL TEA GARDEN

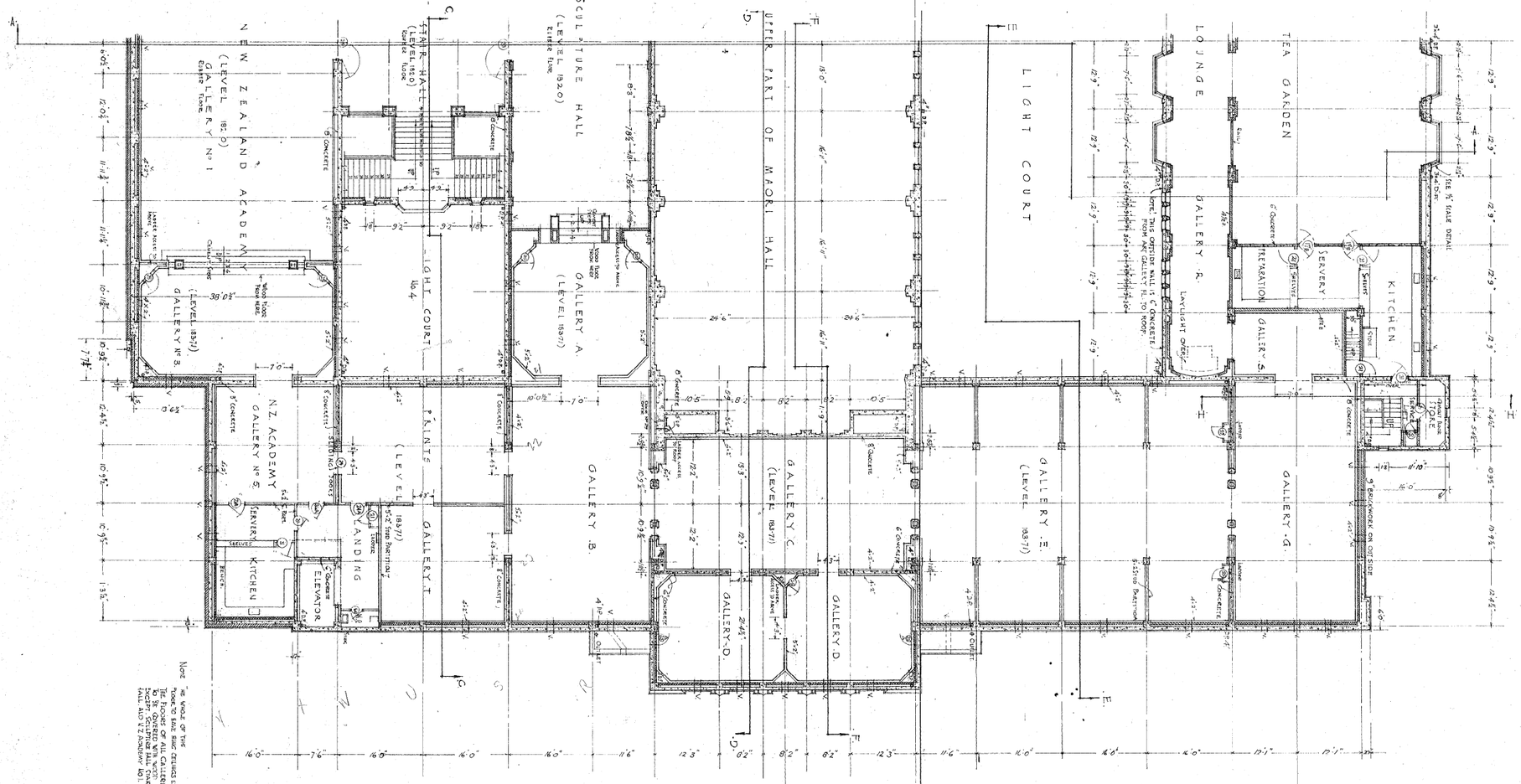


ELEVATION WEST WALL TEA GARDEN.



LOBBY.

SECTIONS 1/4" SCALE.



Note "RE WHOLE OF THE FLOORS THROUGHOUT THE BUILDING EXCEPT WHERE OTHERWISE SPECIFIED THE FLOORS OF ALL GALLERIES INCLUDING TEA GARDEN LOUNGE ETC TO BE COVERED WITH WOOD BLOCKS EXCEPT SCULPTURE HALL CORE WALLS & LANDINGS ETC."

CITY COUNCIL DEPOSITED RECEIVED 21 NOV 1932 BUILDING DEPT. WELLINGTON

INDICATIONS

CONCRETE	IN	SECTION
BRICK	IN	SECTION
TERRA COTTA	IN	SECTION
STONE	IN	SECTION

DRAWN BY L.M.W.
TRACED BY L.M.W.
CHECKED BY
DATE 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

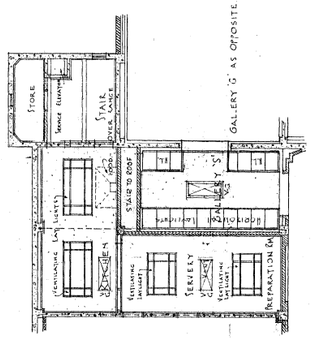
THIS DRAWING REVISED TO DATE AUGUST 4TH 1932. G.F.W.

SCALE: 1/8" & 1/4" = ONE FOOT

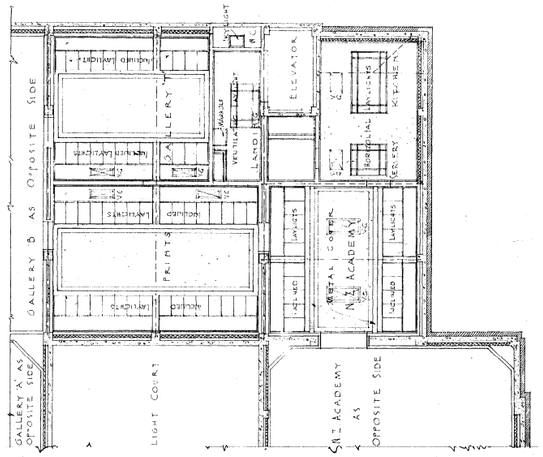
ART GALLERY FLOOR PLAN WEST HALF

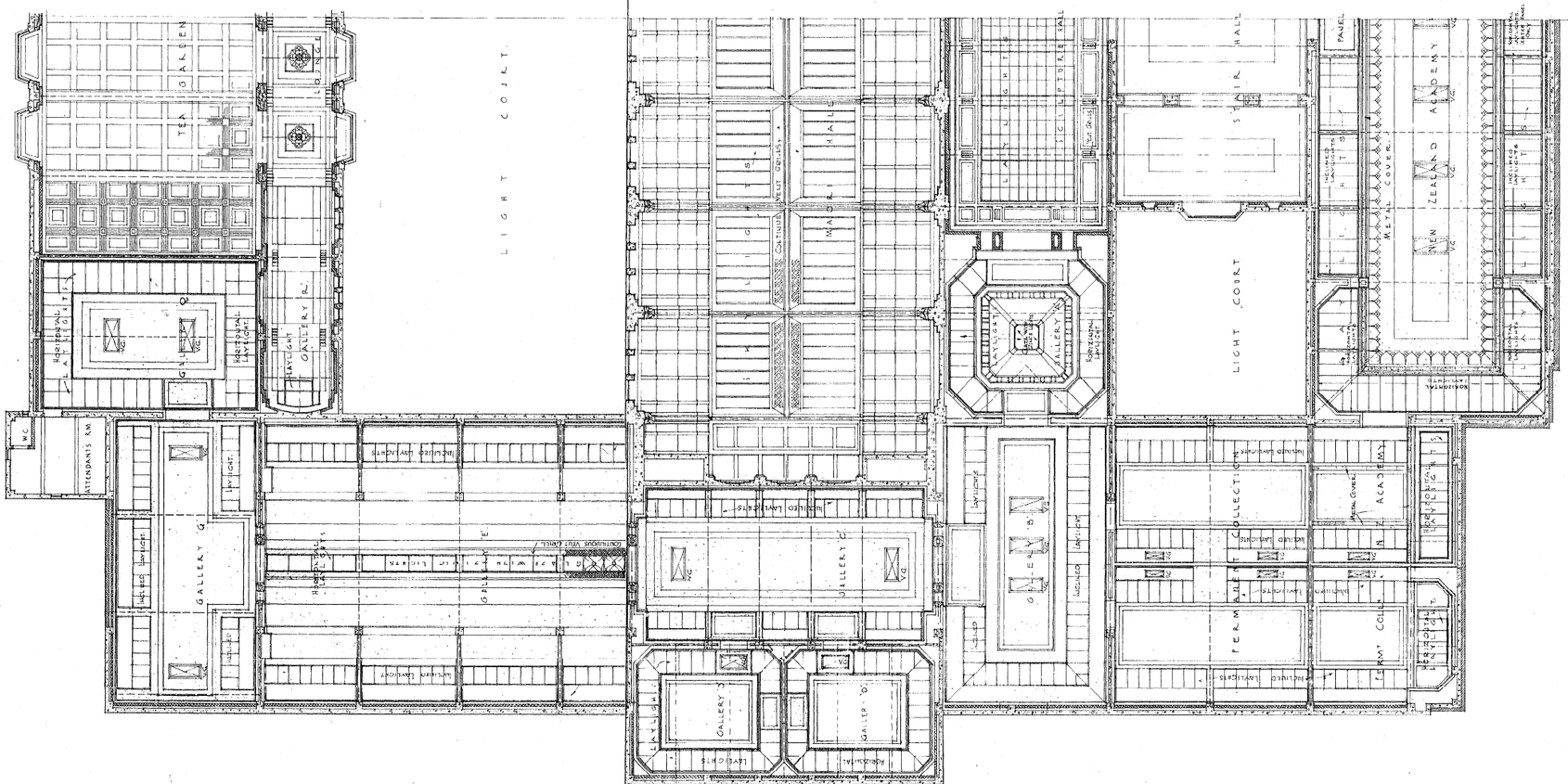
CONTRACT NO. 211

DRAWING NO. 7.



NOTE! REMAINING GALLERIES ETC ARE IN ALL REFLECTS SIMILAR TO THOSE ON OPPOSITE SIDE.





SOUTH BOUNDARY SCHEME No. 1.

PUBLIC WORKS DEPARTMENT
RECEIVED
24 NOV 1932
DISTRICT OFFICE WELLINGTON

INDICATIONS
CONCRETE IN SECTION.
BRICK IN SECTION.
TERRA COTTA IN SECTION.
STONE IN SECTION.

DRAWN BY L.M.W.
TRACED BY L.M.W.
CHECKED BY
DATE 18-11-31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

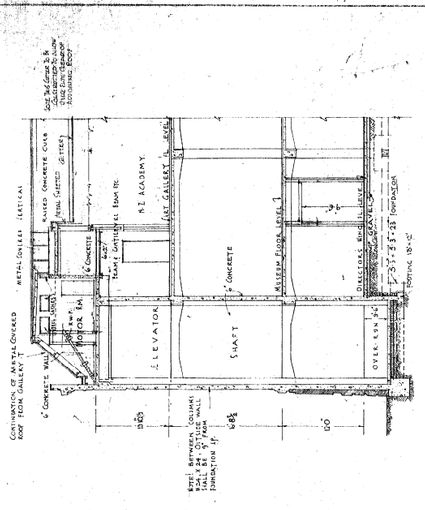
GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

SCALE:
ONE INCH = EIGHT FEET

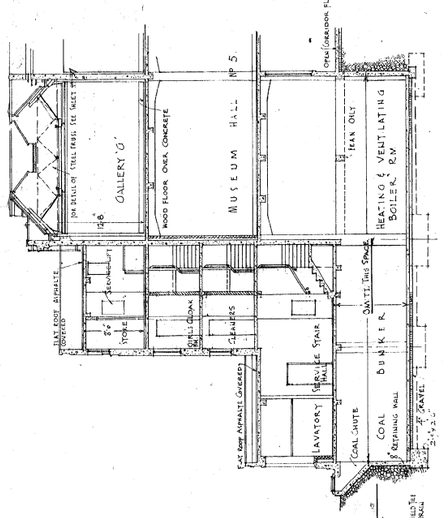
CONTRACT No. 141

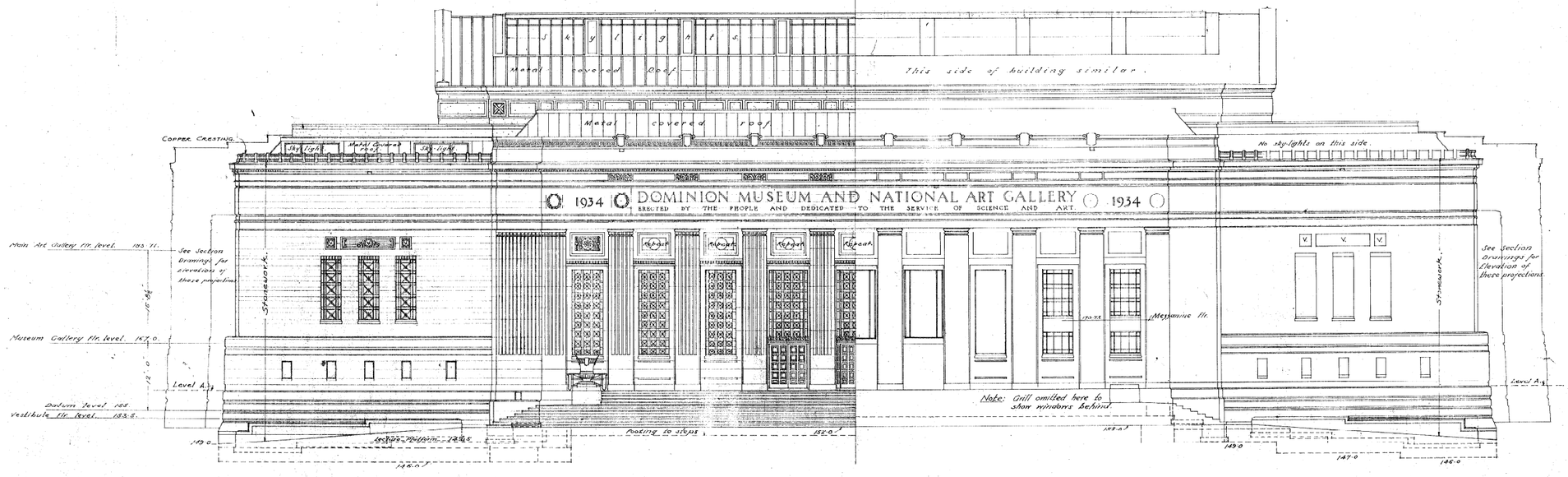
REFLECTED CEILING PLAN OF ART GALLERY & MAORI HALL

DRG. No. 8.

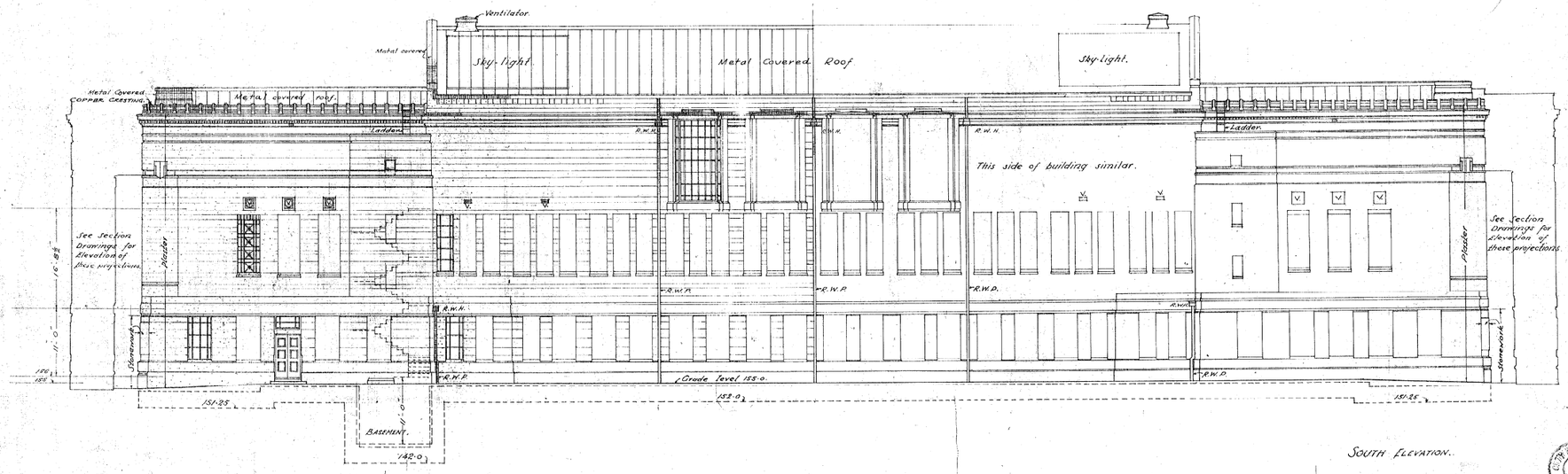


DETAIL SECTION THRO FRONT ELEVATOR SHAFT.


GALLERY 'G'
MUSEUM HALL No 5.
HEATING & VENTILATING BOILER R.M.
MAN ONLY
OPEN OVER FLOOR
ROOF FLOOR OVER CONCRETE
SLATE ROOF ON GALVD IRON
SKYLIGHTS
SKYLIGHTS
SKYLIGHTS



NORTH ELEVATION.



SOUTH ELEVATION.

CITY ENGINEER'S DEPARTMENT
RECEIVED
21 NOV 1932
CITY OF WELLINGTON

INDICATIONS

Drawn By R.L.M.
Traced By R.L.M.
Checked By
Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

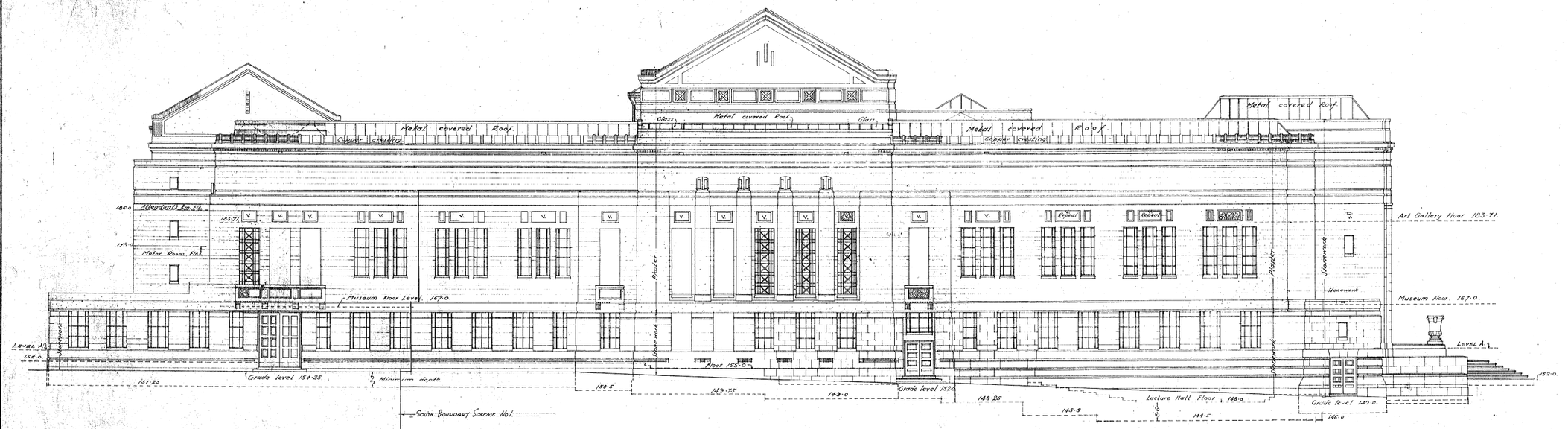
THIS DRAWING REVISED TO DATE
AUGUST 10TH 1932.

Scale: One Inch = Eight Feet.

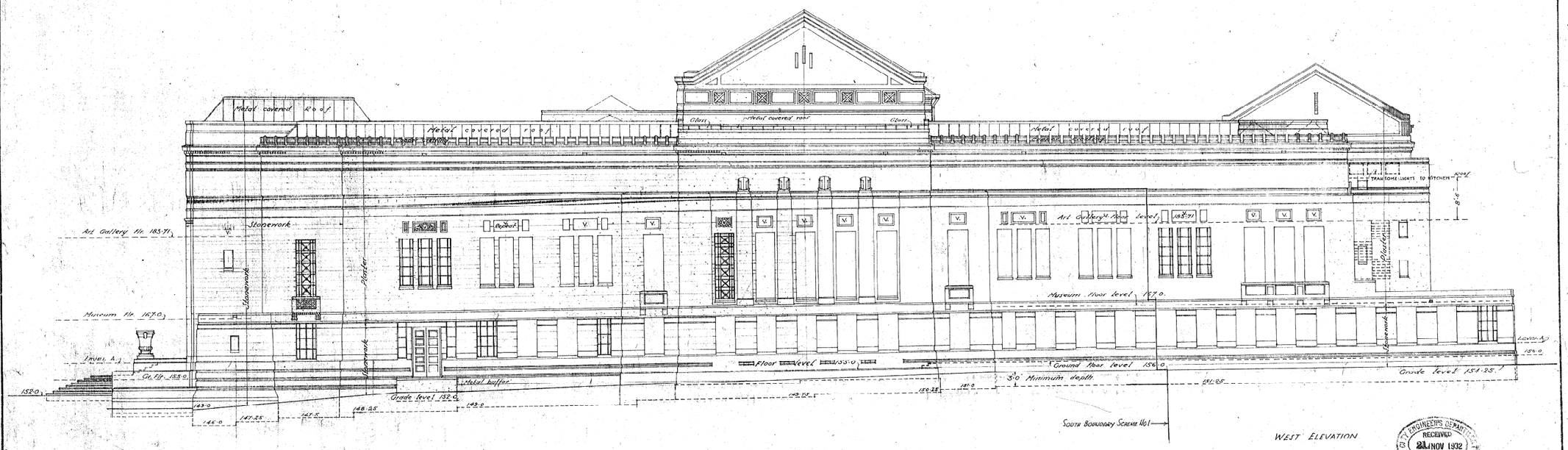
North & South Elevations.

Contract No. 211.

Drawing No. 10.



EAST ELEVATION.



WEST ELEVATION

CITY ENGINEER'S DEPARTMENT
RECEIVED
23 NOV 1932
WORKS &c. TOWN HALL

INDICATIONS

Drawn By R.L.M.
Traced By R.L.M.
Checked By
Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

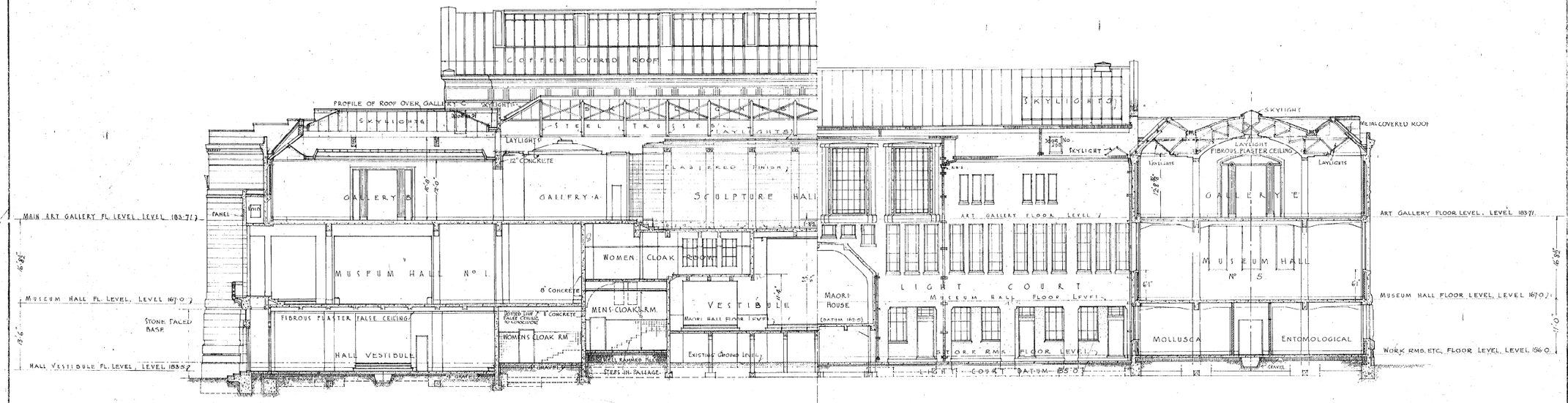
This drawing revised to date
August 10th 1932 G.F.W.

Scale
One inch = Eight feet.

East and West Elevations.

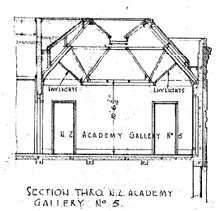
Contract No. 211

Drawing No. 11.

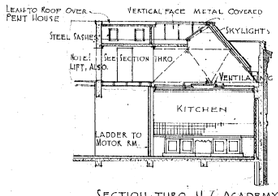


SECTION ·D-D·

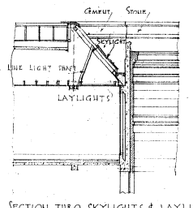
SECTION ·E-E·



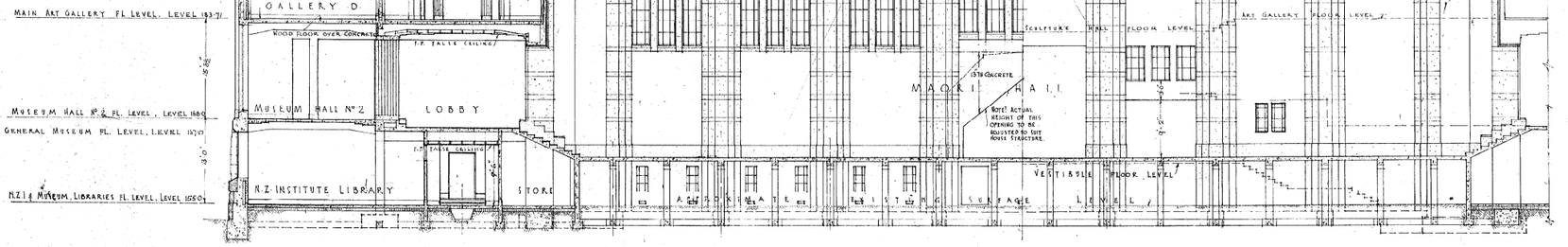
SECTION THRO. N.Z. ACADEMY GALLERY No. 5.



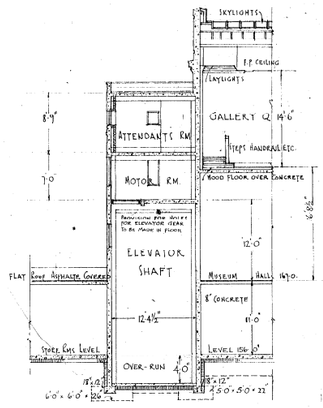
SECTION THRO. N.Z. ACADEMY KITCHEN.



SECTION THRO SKYLIGHTS & LAYLIGHTS NORTH WALL OF PERMT. COLL. GALLERY.



SECTION ·F-F· OPPOSITE SIDE SIMILAR.



SECTION THRO REAR ELEVATOR. GALLERY Q ETC.

SECTION ·G-G· OPPOSITE SIDE SIMILAR.

CITY ENGINEERS DEPARTMENT
RECEIVED
23 NOV 1932
WELLINGTON N.Z.

INDICATIONS
CONCRETE IN SECTION
TERRA COTTA IN SECTION
BRICK IN SECTION
STONE IN SECTION

DRAWN BY L.M.W.
TRACED BY L.M.W.
CHECKED BY
DATE 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
WANGANUI & WELLINGTON

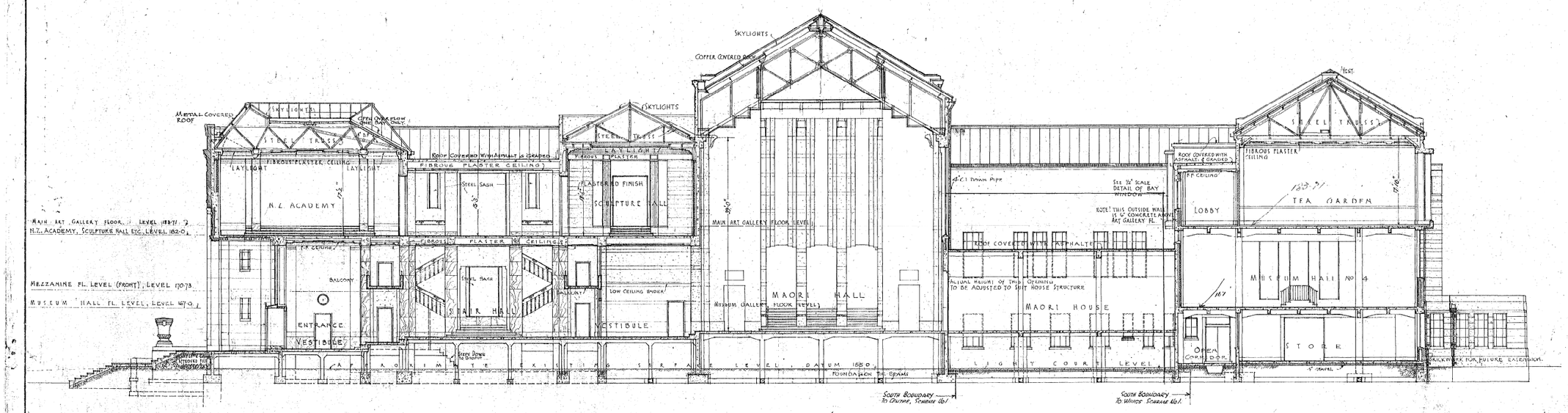
THIS DRAWING CORRECT TO DATE 8TH AUGUST 1932. G.F.W.

SCALE: ONE INCH = EIGHT FEET

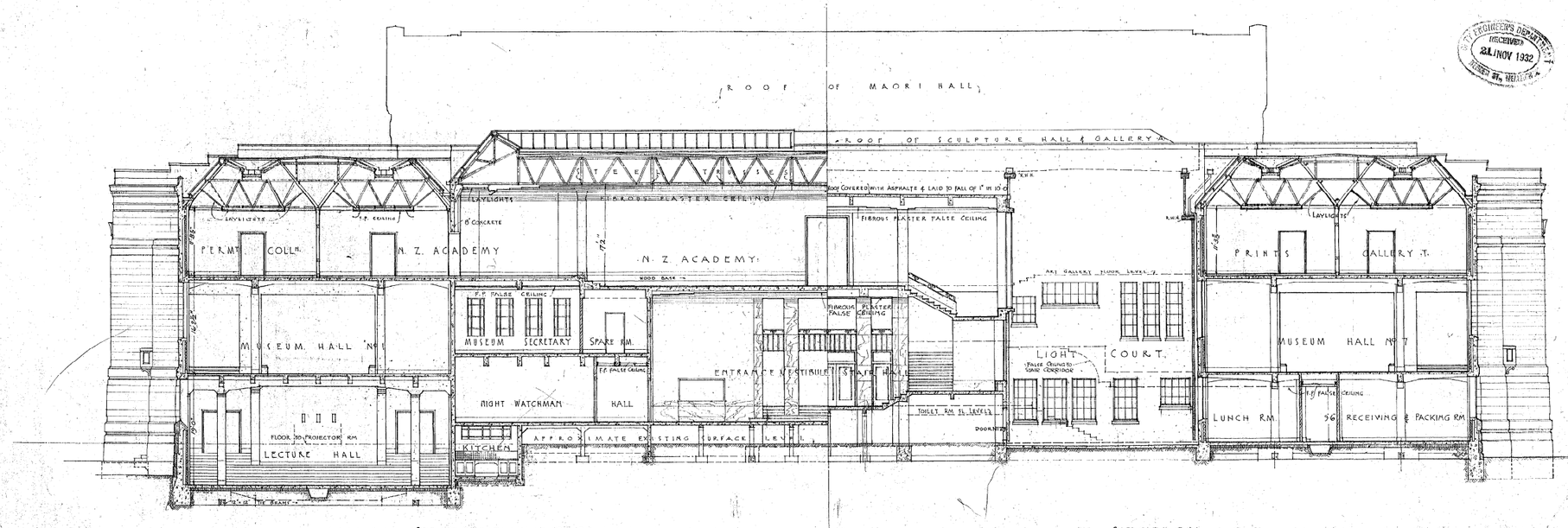
CONTRACT No. 211

VARIOUS SECTIONS.

DRAWING No. 11



CROSS SECTION THRO CENTRE OF BUILDING
SECTION A-A



SECTION B-B

SECTION C-C

PUBLIC WORKS DEPARTMENT
RECEIVED
28 NOV 1932
WELLINGTON

THIS DRAWING CORRECT TO DATE
2ND JUNE 1932 G. F. M.

INDICATIONS
CONCRETE IN SECTION
TERRA COTTA IN SECTION
BRICK IN SECTION
MASONRY IN SECTION

Drawn By L. M. W.
Traced By L. M. W.
Checked By
Date 18-11-31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

SCALE: ONE INCH = EIGHT FEET.

CONTRACT No. 211

DRAWING No. 13

FROM SECTION THRO CENTRE OF MAIN ART HALLS

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

MCMXXX
ALLOW FOR THREE ADDITIONAL LETTERS 'I' TO THIS DATE

DOMINION
ERECTED
CONTINUE INSCRIPTION AS SHOWN ON DRAWING 10.

REPEAT PANEL AS 'A'

REPEAT THIS PANEL AS 'A' AND 'B'
ALLOW FOR MODELLING AND CARVING THESE PANELS TO APPROVAL OF ARCHITECTS

CORNICE FRIEZE AND ON RETURN

CORNICE FLAT

ALLOW FOR A DIFFERENT HEIGHT TO THESE PANELS

COPPER FLASHING

COPPER CRESTING AND FLASHING TO PARAPET

See Sheet No.43 for Gutter Detail

Section Thru Directors Work Room

Section, Pier Between Windows

Plan Third Pier to Portico

Detail Of Vase To each End Of Portico 2 off

Detail Of Grill to Windows Under Portico.

Section Third Soffit Between Piers Gymnasic Vault Duct. 4 off

See Sheet No.20 for Roof Details

Door No.2 Same Treatment Provided for This Door as at Opposite End of Portico

Floor of Academy

Level of Vestibule 159-00

Entrance Vestibule 159-00

Floor Level Work Rooms 156-00

Floor Level Directors Offices 155-00

Museum Floor Level 147-00

Opening 24"x6" Over which is a 12"x1" Duct to Ventilate Space Under Floor.

Open Space

Landing Precast Slabs

Steps Formed with 2"th Precast Concrete Cleats

See Sheet No.24 for Sections of These Walls

THIS DRAWING REVISED TO DATE
May 30th 1932 C.F. Wilson

PUBLIC WORKS DEPARTMENT RECEIVED 20 NOV 1932 WELLINGTON

INDICATIONS
Concrete in Section
Terra Cotta in Section.
Brick in Section.
Stone in Section.

Drawn By C.F.W.
Traced By C.F.W.
Checked By
Date 18-11-31

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

Scale
HALF INCH = ONE FOOT

DETAIL OF NORTH ELEVATION

Contract No. 31

Drawing No. 14.

Flashing

Copper Flashing

Overflow Copper Flashed

Continue copper cresting.

Continue dentil course.

Overflow for correct position see roof plan

Overflow

D.P. Cornice

Copper Cresting and Cap.

See Typical Detail of Gutter Sheet No

D.P. Cornice

Overflow

Ley light

Bronze Grill with louvres and copper plate

Copper Flashing

Copper Flashing

Pre-cast concrete panels

Repeat Panel A

Repeat Panel A

Panel A

Lead weep

Finished level

3" Cl. Pre-cast concrete panels

Weep Hole

Note: Bottom of cavity to be drained to lead weep as shown.

4" x 2

R.C. Mullion corbelled out from 8" wall.

4-1 — 2-0 — 6-3 — 8-2 — 4-0 — 25-3¾ to centre — 4-1 — 6-6¾ — 6-2 — 11-6 — 4-0 — 5-4 — 9¾ — 16-0 — 2-9 — 8-10 — 1-6 — 1-3 — 1-2 — 2-10

15-6½ — 13-4

Copper Flashing

Porter

This side similar.

2-10 — 2-10

Finished level

Bronze Letters

LECTURE HALL

Door frame

Door No. See Sheet No. 22

Stone

Stone

2-0 — 4-2 — 4-0 — 6-5 — 3 — 2-4 — 3-2 — 2-1 — 4-0 — 4-0

11½ Th. Marble

Museum Flr.

General Gr. Flr.

Library Flr. 1930

Lead weep

Copper Flashing

Asphalte

Cast bronze cont. metal sill

Overflow (at Slope Of)

Fall to Weep

Weep Hole

Lintel reinforced with 4-¾" ϕ rods 76 hoops at 12 Cts.

Pre-cast concrete slabs

Metal sill

4-3

Curve Curved Flat

Rebated to receive Door Leaves Checked to suit Plan

Revolving Door

Rubber Lining

Rubber Lining

Section thro Col. Head No. 112.

Side Arch Door No. 1 Elevation of Door No 1a

Curved Wood Cresting

Lath and Gesso

Repeat Cartouche

12 Panel Door Door No 1a

Elevation of Door No 1a and Throughout

Section thro Enclosure to Revolving Door

Half Plan

Door No 10a

Developed Elevation of Enclosure to Revolving Doors projecting into Vestibule

RECEIVED 21 NOV 1932 Minute No. Wellington

THIS DRAWING CORRECT TO DATE 23RD. AUGUST 1932 G.F.W.

INDICATIONS	
Concrete in Section.	
Terra Cotta in Section.	
Brick in Section.	
Stone in Section.	

Drawn By: G.F.W.
Traced By: R.I.M.
Checked By:
Date: 18.11.31.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

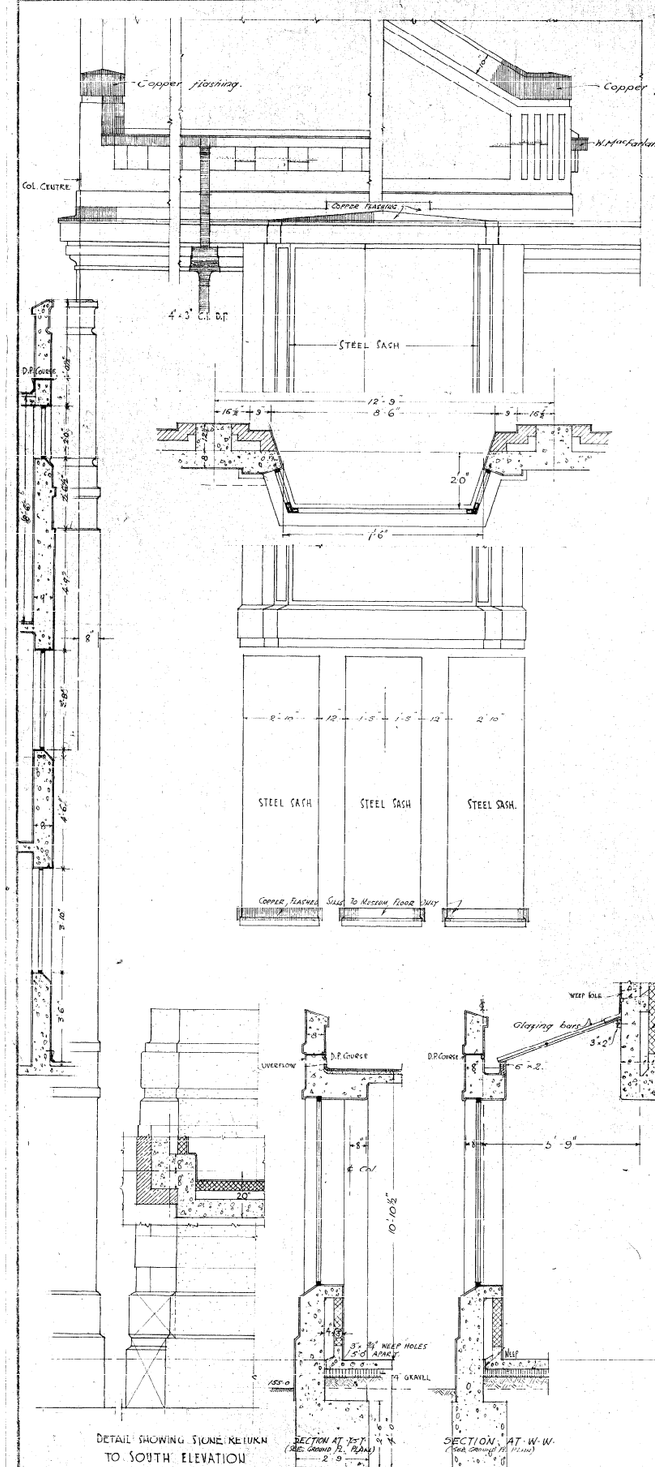
Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

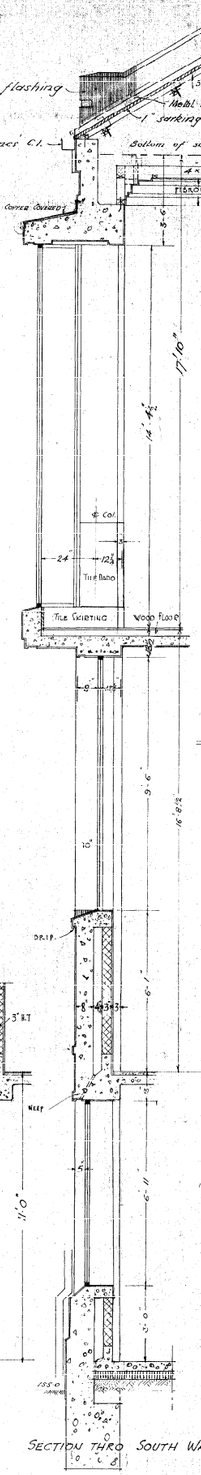
Scale: ⅛ inch = 1 foot.

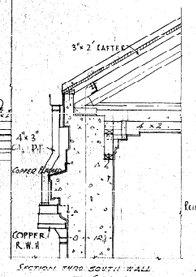
Detail of East Elevation. Entrance to Lecture Hall.

Contract No. 1.

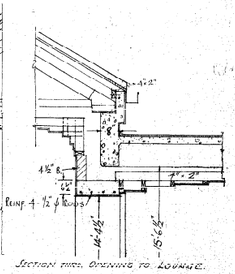
Drawing No. 15.



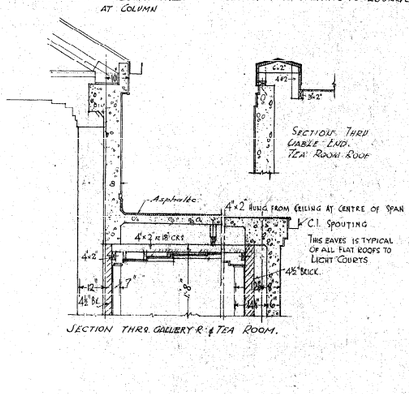




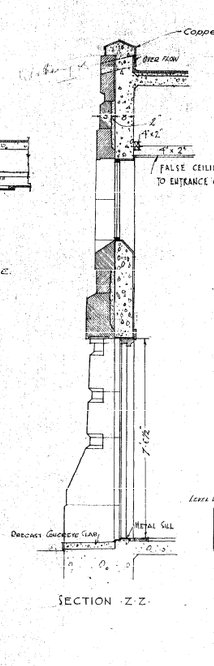
SECTION THRO SOUTH WALL AT COLUMN



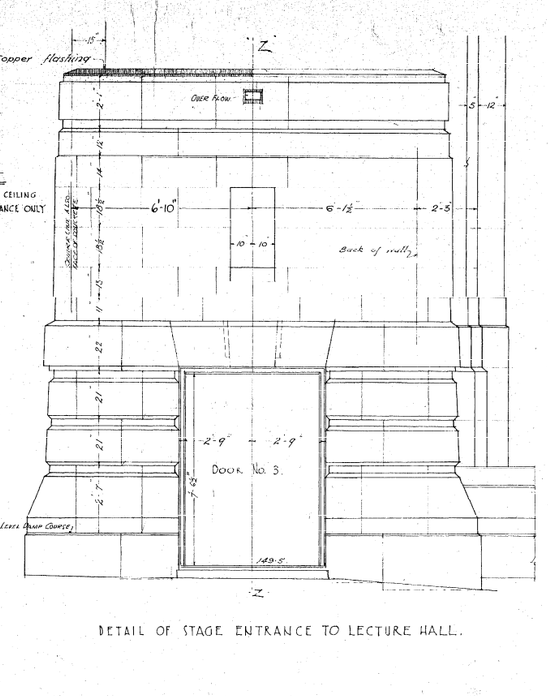
SECTION THRO. OPENING TO LOUNGE.



SECTION THRO GALLERY R. & TEA ROOM.



SECTION Z-Z



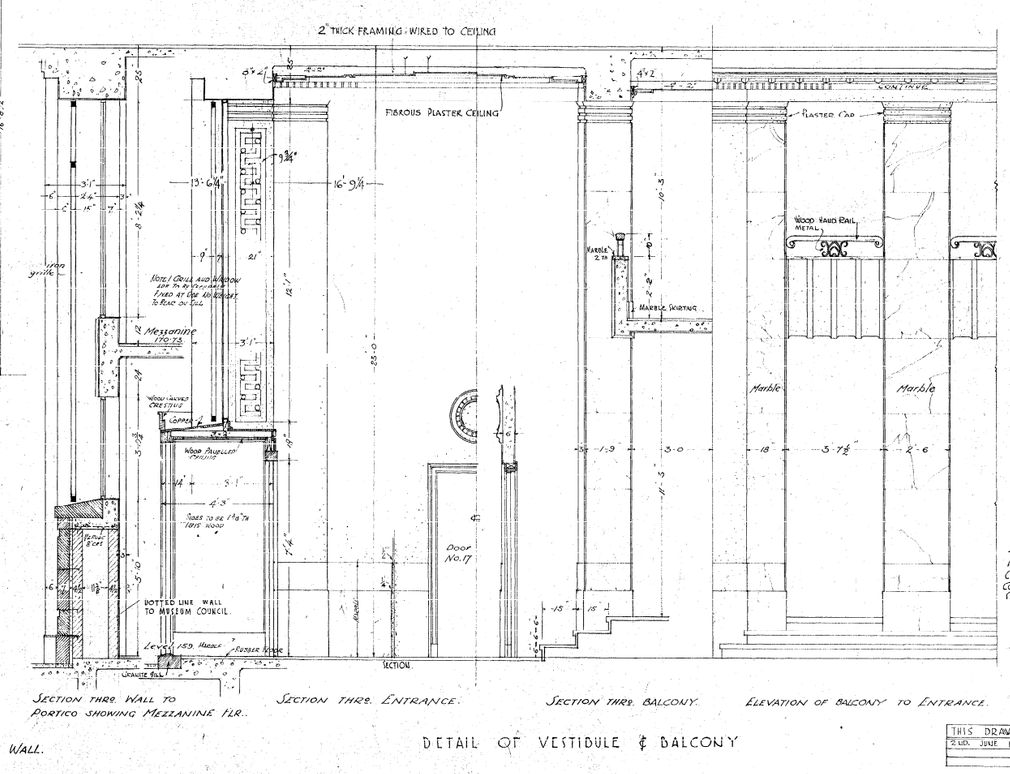
DETAIL OF STAGE ENTRANCE TO LECTURE HALL.

DETAIL SHOWING STONE RETURN TO SOUTH ELEVATION

SECTION AT X-Y (Rec. Ground fl. Plan)

SECTION AT W-W (Rec. Ground fl. Plan)

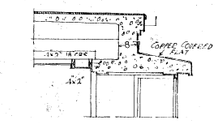
SECTION THRO SOUTH WALL.



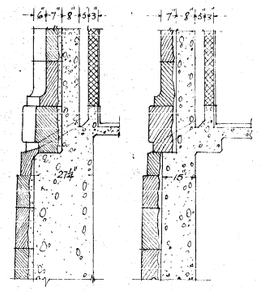
Section thro Wall to Portico showing Mezzanine flr.

SECTION THRO. ENTRANCE.

SECTION THRO. BALCONY.



ELEVATION OF BALCONY TO ENTRANCE.



RECEIVED 23 NOV 1932 DOMINION MUSEUM WELLINGTON

DETAIL OF VESTIDULE & BALCONY

THIS DRAWING REVISED TO DATE
2 DEC. JUNE 1932. C.F.W.

INDICATIONS
Concrete in Section.
Terra Cotta in Section.
Brick in Section.
Stone in Section.

Drawn By C.F.W.
Traced By R.L.M.
Checked By
Date 18-11-31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

Gummer & Ford Architects Structural Engineers Auckland & Wellington

Scale ½ One Foot

Contract No. 211

DETAILS OF VARIOUS EXTERNAL AND INTERNAL ELEVATIONS

Drawing No. 16

HALF SECTION THRU MAORI HALL

PART ELEVATION OF A BAY

SECTION THRU END WALL ENTRANCE TO LOBBY

SECTION THRU WALL TO LIGHT COURT

SECTION THRU END WALL

SECTION THRU END BAYS

DETAIL AT (A)

DETAIL AT (B)

DETAIL AT (C)

DETAIL AT (D)

DETAIL AT (E)

DETAIL OF JUNCTION OF PANELLING

HALF SECTION THRU PANELLING OVER EACH TRESS

ELEVATION OF RETURN OF PARAPET TO LIGHT COURT

ELEVATION OF RELIEF PANEL TO INTERIOR

INDICATIONS

CONCRETE IN SECTION

BRICK IN SECTION.

PLASTER IN ELEVATION.

DRAWN BY G.E.M.

TRACED BY G.E.M.

CHECKED BY

DATE

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

GUMMER & FORD
ARCHITECTS
WELLINGTON

THIS DRAWING CORRECT TO DATE
23RD AUGUST 1940

½ — ONE FOOT.

DETAIL OF MAORI HALL

DRAWING No. 17.

Part Elevation Of Counters To Vestibule
½ · One Foot.

Section

Typical Support For Handrail
1½ · One Foot

F.S Detail Showing Angle Finish To Marble Linings

½ Detail Of Stop To Solid Balustrade
Between Flights

Longitudinal Section Stair Hall

Longitudinal Section Thru Gallery

F.S. Detail Of Clips To Marble Linings

Section Thru Stairs Showing Windows

Cross Section Thru Stair Hall

Detail Of Ceiling To Stair Hall Ground Floor
Repeat this ceiling to hall Art Gallery
Ceiling over stairs similar but without coving

Half Plan Of Ceiling To Vestibule

Section Thru Stairs Showing Finish To Back Of Piers

Half Longitudinal Section North Wall Thru Vestibule

Longitudinal Section South Wall Thru Vestibule

Cross Section Thru Vestibule

This drawing revised to date
May 10th 1932 G.F.Wilson

INDICATIONS
- Concrete In Section.
- Plaster In Elevation.
- Marble In Elevation.

Drawn By G.F.W.
Traced By G.F.W.
Checked By
Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

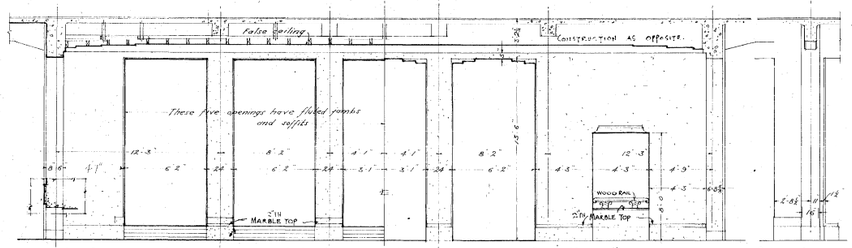
Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

Scale: ½", ¼" x 1½" = 1 Foot

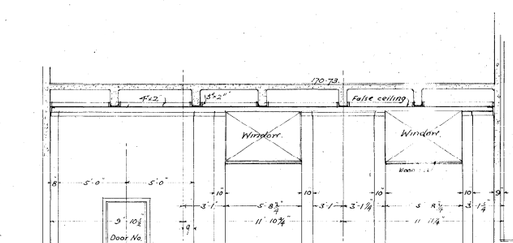
Details Entrance Vestibule And Stair Hall.

Contract No. 311

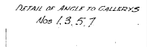
Drawing No. 18.



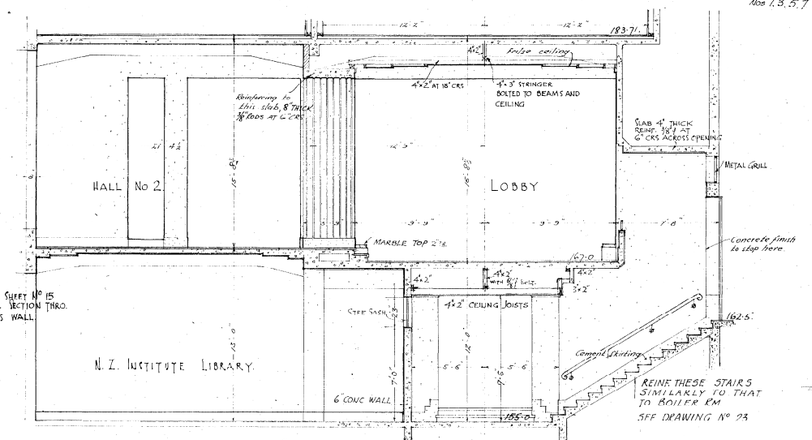
HALF ELEVATION OF LOBBY FACING HALLS No. 2 & 4.



HALF ELEVATION OF LOBBY FACING MAORI HALL.

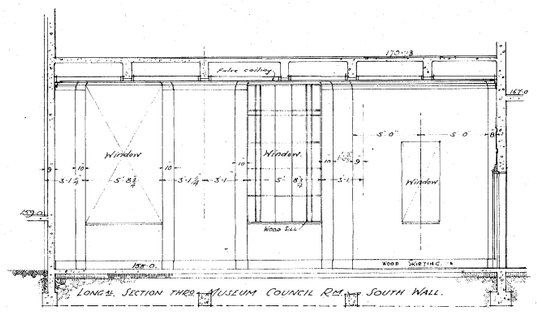


DETAIL OF ANGLE TO GALLERYS Nos 1, 3, 5, 7

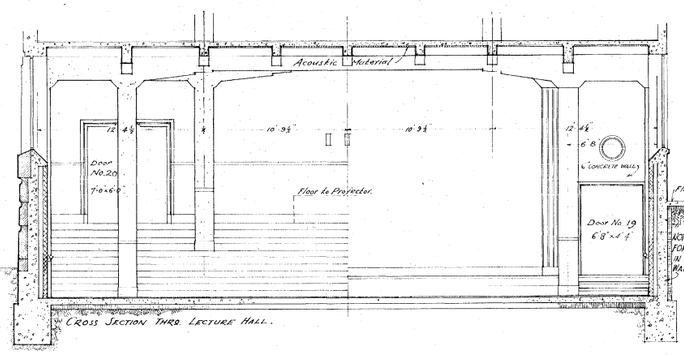


SECTION THRO. LOBBY ETC. AT END OF MAORI HALL

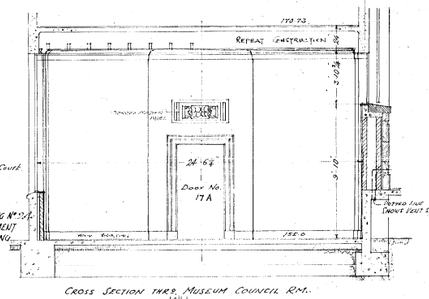
LONGITUDINAL SECTION THRO MUSEUM COUNCIL — NORTH WALL.



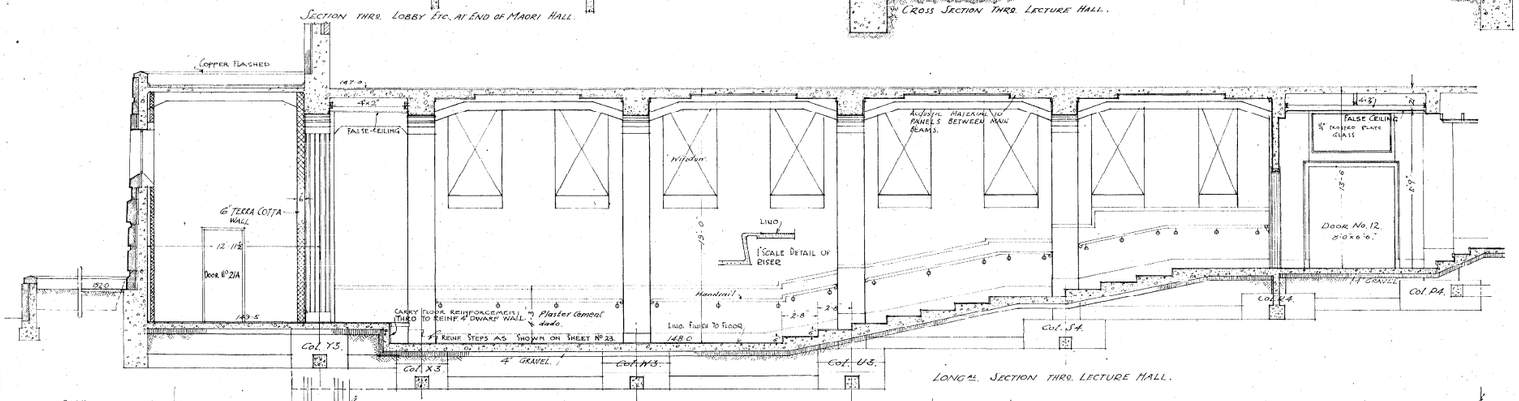
LONG^L. SECTION THRO MUSEUM COUNCIL RM — SOUTH WALL.



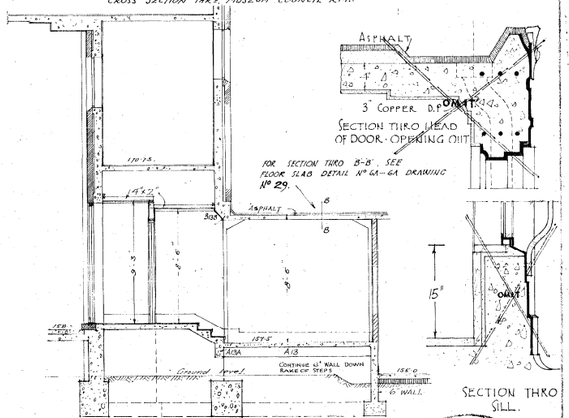
CROSS SECTION THRO. LECTURE HALL.



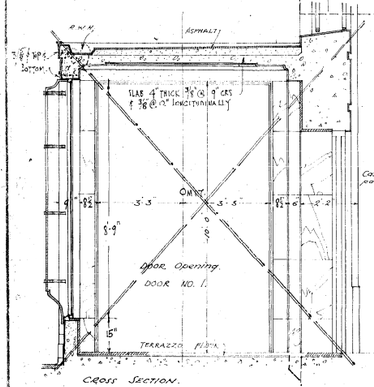
CROSS SECTION THRO. MUSEUM COUNCIL RM.



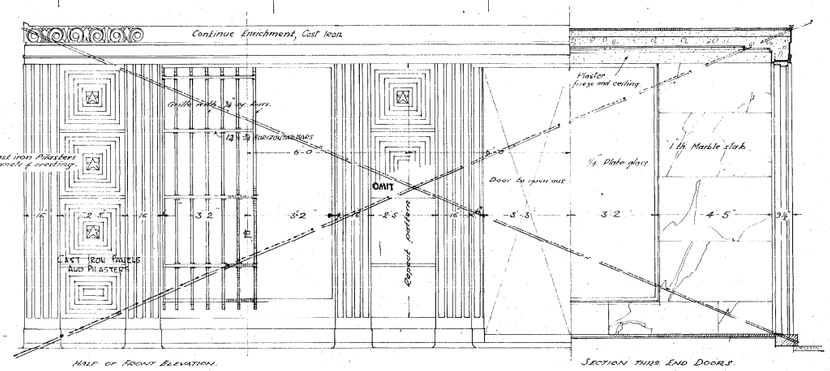
LONG^L. SECTION THRO. LECTURE HALL.



SECTION THRO ENTRANCE FROM PORTICO TO DIRECTOR'S OFFICES.

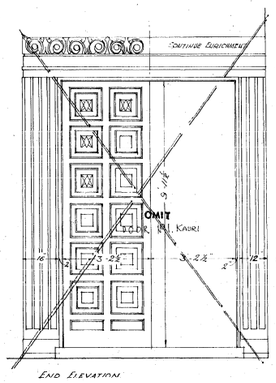


CROSS SECTION.

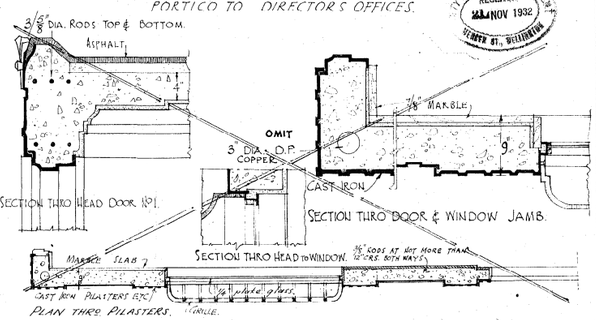


HALF OF FRONT ELEVATION.

SECTION THRO END DOORS.



END ELEVATION



PUBLIC WORKS DEPARTMENT
RECEIVED
NOV 1932
WELLINGTON

INDICATIONS
CONCRETE IN SECTION
TERRA COTTA IN SECTION
STONE IN SECTION
CAST IRON IN SECTION

Drawn By G.F.W.
Traced By R.L.M.
Checked By
Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

SCALE ½" — ONE FOOT

DETAILS OF ENTRANCE VESTIBULE PORCH, LECTURE HALL, MUSEUM COUNCIL RM, ETC.

CONTRACT No. 11

DRAWING No. 19.

Note: See Sheet No. 43 for Large Scale Details of Construction of Skylight, Ridge, Gutter, & General Wood Construction of Roof.

For Details of Steel Trusses etc., See Drawing No. 36, 37, 41

Raking Laylight in all cases except where marked Horizontal on Ceiling Plan.

Vent Duct

Reflected Plan of Ceiling.

Half Inch Detail of New Zealand Academy. Galleries No. 1, 2 & 3.

Fibrous Plaster Vent Grills to Academy Galleries No. 1, 2 and 3. Typical for all Vent Grills

Door from Hall to Academy

Section thro Door No. 23 into N.Z. Academy.

Section thro Over-flow to N.Z. Academy Roof

Section thro Gallery 'E'

For Details of Steel Truss, etc., See Drawing No. 44.

Section thro Opening between Galleries C & E

See Drawing Nos. 21 & 43 for further details of Galleries 2 & 3.

For Details of Steel Truss, See Drwg No. 41.

See Drawing No. 43 for Gutter Details

Half Inch Section thro Sculpture Hall

Half Inch Section thro Gallery 'A'

Detail of Eaves at Light Court to Pitched Roofs

Plan Showing Construction to Ceiling Sculpture Hall & Gallery 'A'

Section thro Third Opening between Sculpture Hall and Gallery 'A'

Detail Elevation of Sculpture Hall.

Section thro Opening between Galleries 'E' & 'G'

Half Inch Reflected Plan of Ceilings Sculpture Hall & Gallery 'A'

Indications

Concrete in Section.	
Terra Cotta in Section.	
Brick in Section.	
Plaster in Elevation.	
Marble in Elevation.	

Drawn By G.F.W.
Traced By L.M.W.
Checked By
Date 19.11.31

National Art Gallery and Dominion Museum
Wellington

Received 23 Nov 1932 Lands & Survey Office Hunter St. Wellington

Cumaer & Ford Architects Structural Engineers Auckland & Wellington

Scale 1/8 & 1/2" — One Foot

Details of Picture Galleries and Sculpture Hall.

Contract No. 211

Drawing No. 20.

This drawing revised to date. C.F.W. August 11th 1932.

ELEVATION

SECTION THRO A.A

DETAIL METAL SHEETED PYLON TO ROOF AT ENDS OF GALLERY 'G'

SECTION THRO ENDS OF N.Z. ACADEMY GALLERYS Nos 2 & 3.

SECTION THRO N.Z. ACADEMY KITCHEN ROOF.

SECTION SHOWING RETURN END OF SKYLIGHT GALLERY 'Q'

½" SCALE PLAN OF CEILING TO ACADEMY KITCHEN

SECTION THRO GALLERY 'S'

½" SCALE PLAN OF GALLERY Q SHOWING POINTS OF SUPPORT, ETC OF CEILING.

SECTION THRO GALLERY 'Q'

CROSS SECTION THRO PERM. COLLECTION GALLERY ALSO GALLERY 'T' AND 'PRINTS'

CROSS SECTION THRO GALLERY 'B'

DETAIL SECTION THRO GALLERIES 'C' & 'D'

½" SCALE PLAN OF CEILING TO GALLERY 'D'

INDICATIONS

CONCRETE IN SECTION.
TERRA COTTA IN SECTION.
BRICK IN SECTION.
PLASTER IN ELEVATION
WOOD IN ELEVATION

Drawn By C.F.W.
Traced By L.M.W.
Checked By
Date 10-11-31.

THIS DRAWING REVISED TO DATE AUGUST 12TH 1932 C.F.W.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

SCALE: 1/8" & 1/2" = ONE FOOT.

CONTRACT No. 211

ART GALLERY INTERIOR SECTIONS PYLONS ETC.

DRAWING No. 21.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

DOORS, DOOR FRAMES & JOINERY DETAILS.

Scale: ½, ¾ & 3 x F.S. = 1 FOOT

Contract No. 211

Drawing No. 22.

Drawn By C.F.W.
Traced By L.M.W.
Checked By
Date 18-11-1931

This drawing revised to date August 24th 1932 C.F.W.

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

INDICATIONS
WOOD
METAL
PLASTER

DOOR C No 10 2'TH
See ¾ full size detail

¼ B.P.G.

DOORS Nos 11 & 11A 2'TH
NOTE: DOORS Nº 11A SIMILAR EXCEPT FOR SIZE OF OPENING
See ¾ F.S. detail

SECTION THRO TRANSOME.

DOOR Nº 12 2'TH
See ¾ full size detail

DOOR Nº 13 SIZE 7'-0" 2'TH
SIMILAR BUT 8'-0"

DOOR Nº 20. 2'TH.

BETWEEN PIERS 4'-9¼"

DOOR Nº 19. 1¾"TH

DOOR Nº 16 1¾"TH

½" OBSCURE PLATE

DOOR Nº 14 1¾"TH

DOOR Nº 16A SIMILAR BUT 2'-8" x 6'-8" PANELS NOT MOULDED ON CUPBOARD OR SIDE FACE. DOOR 16A & 16B TO BE AS 16A BUT SIZE AS 16 & 16

DOOR Nº 14A SIMILAR BUT 4'-0" 1'0" IN TWO HALVES. DOOR Nº 15 TO BE AS 14 BUT 6'8"-3'0"

DOOR Nº 2. 2¾"TH
See ¾ F.S. detail.

DOOR Nº 3 2¾"TH
See ¾ F.S. detail
NOTE: PANELS LINE WITH STOCK COURSING.

DOOR Nº 4. 2¾"TH.
See ¾ F.S. detail.

DOOR Nº 5 2¼"TH.
See ¾ F.S. detail

DOOR Nº5A 2¼"TH
8'-0" x 9'-0"

DOOR Nº 6 2"TH
See ¾ F.S. detail

DOOR Nº 7 2¼"TH
See ¾ F.S. detail

OBSCURED GLASS

DOOR Nº 8 1¾"TH

DOOR Nº 9 SIMILAR BUT 5'0" WIDE IN TWO HALVES

NOTE TAKE DIMENSIONS OF DOORS IN PREFERENCE TO SCALE
SEE SHEET No 15. FOR DOORS No 1. AND 1A.

VENEER INLAY PANELS

DOOR Nº 28 2¼"TH.

OMIT VENEER TO BOTTOM PANEL

DOOR Nº 29

OBSCURED GLASS

GLAZED SASH

DOTTED LINES PASSE CHANGE TO SIDEDOORS

GLAZED SASH

SECTION VENTILATION

DETAIL OF HANDHOLES TO FALSE CEILINGS

DOOR Nº 21A 2'-10" x 6'-8" 1¾"TH

DOOR No 21 2'-10" x 6'-8" 1¾"TH

ELEVATION OF GLAZED SASHES TO CORRIDORS, GROUND FLOOR.

DOOR No 18 AS 17 BUT 2'-8" x 6'-8" DOOR No 17A SIMILAR TO 16-17. BUT MOULDED BOTH SIDES, SEE DETAIL. DOOR 17A AS 17 BUT TO SWING

DOOR Nº 17

DOOR Nº 24 SLIDING SEE ¾ F.S. DETAIL

DOOR Nº 24A SEE ¾ F.S. DETAIL

DOOR Nº 24 B SIZE AS 24 BUT IN TWIN BALUSTER TYPE PANELS TO EACH HALF

Removeable Top
18"x12" SINK

LAMINATED WOOD TOP 2'-5"

1'-2" DRESSED

SECTION THRO SINK.

HALF FRONT ELEVATION

7/8" OPEN SHELVING

6 1/8" DOORS

HALF REAR ELEVATION

SECTION

½" DETAIL OF BENCH IN LECTURE HALL

LAMINATED WOOD TOP

CONCRETE WALL UNDER COUNTER

4" DEEP TOE RECESS

FRONT ELEVATION

SECTION

½" SCALE GENERAL OFFICE COUNTER

REMOVEABLE PORTION FITTED WITH TWO FLUSH LIFTING RINGS

SINK UNDER.

PLAN AT END OF COUNTER, SHOWING POSITION OF SINK.

SECTION THRO CUPBOR

PLASTER

BOOK STOP

1½ ϕ STIFFENER ROD

¾" RUSTLESS STEEL

DOOR Nº 27 FLUSH DOOR. SIZE 2'-0" x 6'-6" FRAMED

DOOR Nº 26 SIMILAR BUT 6'-0" x 1'-0" DEEP OF FRAME.

LABORATORY WALLS TILED 6'-0" HIGH

WALL

1½ ϕ STIFFENER ROD

"STOURBRIDGE" CAST IRON BRACKET

TILED FL.

LONGITUDINAL SECTION.

ELEVATION

¾" DETAILS OF W.C. WALLS & PARTITIONS.

4" x 4" GLAZED TILES AT BACK 1'-8" HIGH

⅞" DOORS

SHELF

OPEN RECESS

OPEN RECESS

SINK

OPEN RECESS

ELEVATION

SECTION.

LECTURE HALL KITCHEN BENCH

½" SCALE.

WIDTH VARIES

2½"

STOURBRIDGE" PATENT GLAZED BRICKS & TILES

PLAN SHOWING "W.C." DIVISIONS

1" VERTICALS

¾" GIRELVING

DOOR No 21.

SUBDIVISION BETWEEN PERF. ROOM AND SERVERY TEA GARDEN KITCHEN AND BETWEEN KITCHEN AND SERVERY ACADEMY KITCHEN

SECTION

TILES 5" WIDE

2'-10"

TYPICAL SINK BENCH TEA GARDEN KITCHEN

G. BRICK

2½"

FULL SIZE DETAIL LAV. DOOR FRAME.

DOOR Nº 25

DOOR Nº 21. & 21A x 22
NOTE. WHERE WALL ARE NOT PLASTERED.

DOOR Nº 14, & 14A TO BE SIMILAR BUT 4'-1" ARCHITRAVE ON INSIDE AND 1¾"-4" OTHER.

METAL LATH

ROUGH FRAME

TILE PROJECTION

DOOR Nº 16A AND 16B DOOR Nº 18 SIMILAR BUT SUBDIVISION OF PANELS AS DOOR Nº 17.

DOOR Nº 19.

DOOR Nº 17.

DOORS Nº 16 DOORS No 20 SIMILAR BUT FRAME AS No 12

DOOR No 17A SHOWN WITH DOTTED LINE

DOORS Nº 3 AND 4 THRESHOLD AS DOOR Nº 2.

DOOR Nº 2.

CAST IRON THRESHOLD

½" ϕ EXPANSION BOLTS

4"x 2½" P.S.I. 12 BOLTS 3'-6" CRS

SECTION THRO TRANSOME DOORS Nº 11, & 11A.

DOORS Nº 10, 11, & 11A.

DOORS Nos. 8 & 9.

¼" B.P. GLASS.

DOOR Nº 12 DOOR Nº 20 FRAME AS THIS, BUT DOOR AS Nº 16.

SECTION THRO TYPICAL 14'-3"-74" OPENINGS BETWEEN GALLERIES.

SECTION THRO JAMB & ARCHITRAVE TO OPENING BETWEEN GALLERIES A & B

SKIRTING ART GALLERY.

DOOR Nº 23.

DOOR No 24-A

DOOR No 24 B

SILL AND JAMB

SECTION THRO GLAZED SASHES TO CORRIDORS.

CITY ENGINEER'S DEPARTMENT RECEIVED 22 NOV 1932 HARBOUR ST., WELLINGTON

DOOR Nº 15.

POSITION FOR FUTURE VENT. TILE TOP DOOR VENT TO HERE

TILE 1'-8" HIGH.

COPPER COVERED TOP WITH WASTE

DRAINER

ELEVATION OF BENCH FOR VENT. FAN TO TEA GARDEN SERVERY

POTTED LINE JAMB LINING AND ARCHITRAVE TO DOOR FROM HALL TO N.Z ACADEMY

VENEER PANEL

DOOR Nº 24 - SLIDING

Door No 24-A

Door No 24 B

1" BOARD

MOULDED STRIP

12" BOARD

FULL SIZE SECTION THRO. MOULD STRIP TO VERTICAL LINING TO ART GALLERIES

PATENT METAL STRIP

12½" BOARD

NOTE GROOVE TO TOP REVEAL METAL STRIPS WOOD TO FINISH FLUSH ABOVE AND BELOW STRIP

FULL SIZE SECTION MOULDED STRIP SHOWING INSET METAL STRIP TO N.Z ACADEMY GALLERIES NOS 1, 2 3, 4 AND 5.

DOOR Nº 1 BOARD

DOOR Nº 2 BOARD

DOOR Nº 3 AND 4 BOARD

DOOR Nº 5 BOARD

DOOR Nº 6 BOARD

DOOR Nº 7 BOARD

DOOR Nº 8 BOARD

DOOR Nº 9 BOARD

DOOR Nº 10 BOARD

DOOR Nº 11 BOARD

DOOR Nº 12 BOARD

DOOR Nº 13 BOARD

DOOR Nº 14 BOARD

DOOR Nº 15 BOARD

DOOR Nº 16 BOARD

DOOR Nº 17 BOARD

DOOR Nº 18 BOARD

DOOR Nº 19 BOARD

DOOR Nº 20 BOARD

DOOR Nº 21 BOARD

DOOR Nº 22 BOARD

DOOR Nº 23 BOARD

DOOR Nº 24 BOARD

DOOR Nº 25 BOARD

DOOR Nº 26 BOARD

DOOR Nº 27 BOARD

DOOR Nº 28 BOARD

DOOR Nº 29 BOARD

Section A-A thro Stair from Night-Watchman to Kitchen ¾" Scale.

Plan of Stair from Night-Watchman down to Kitchen ¾" Scale

Section B-B ¾" Scale.

Beam A19 ½" Scale.

Beam A18 ½" Scale.

Note! All retaining walls not otherwise shown shall be reinforced as for boiler room retaining wall

Detail Slab over Coal Bunker South West Corner. ¾" Scale.

Beam A15A ¾" Scale.

Section Beam A15A

Beam A14A ½" Scale.

Note! Omit all details shown crossed out within this enclosure.

Section on line 1A-1A showing retaining walls to boiler room. ¾" Scale.

Detail of Stair etc down to Boiler R.M. ¾" Scale.

Detail Retaining Wall etc thro Coal Chute. ¾" Scale.

LIGHT COURT

South Boundary Scheme No1.

INDICATIONS		Drawn By L.M.W.
Concrete in Section.		Traced By L.M.W.
Brick in Section.		Checked By C.R.F. 24.11.31
Stone in Section.		Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

Received 23 Nov 1932 Public Works Department Wellington

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

1/8" 3/16" & 1/2" = 1 Foot

Foundation Plan, East Side & Various Structural Details

Contract No. 211

Drawing No. 23.

NOTE! ACTUAL HEIGHT AND SLOPE OF THIS PARAPET IS DETERMINED BY TRUSS AT BACK.

13"x 9" OPENING FROM GUTTER AT BACK

OPENINGS 18"x 12" FOR FIXING OF TRUSSES

CURVED CONCRETE PACKING AT BACK

NOTE! BOTH COLS E22 & E23 ARE CONTINUED UP ON OTHER SIDE OF WALL TO TAKE BRACING - SEE ALSO COL SCHEDULE

8" CONCRETE WALL REINF WITH ⅜" ϕ AT 12" BOTH WAYS & BOTH FACES

4-1" ϕ x 15'6"

4-1" ϕ x 24'0"

8" CONCRETE WALL REINF WITH ⅜" ϕ AT 12" BOTH WAYS & BOTH FACES.

2'5" | 9'-11½" | 3'5½" | 7'-4" | 8'2" | 15'0"

12'4½" | 10'9½" | 10'9½" | 12'4½"

COL Nº E23. COL Nº E22

REVERSE BEAM FOR OPPOSITE SIDE OF BUILDING.

½" SCALE.

DETAIL OF BEAM D13. BETWEEN GALLERIES E' & 'G'.

4-1" ϕ

½ SCALE

STONE COPING TERRACE LEVEL | STONE FACING | FILLING | LOWER TERRACE | ⅜" ϕ AT 12" BOTH WAYS & BOTH FACES | 4-½" ϕ HOOPS AT 12" CRS. | 24"

TERRACE | PROFILE OF STEPS | 14-½" ϕ HOOPS AT 15" CRS.

SECTION | ELEVATION OF RETURN WALL

DETAIL OF RETAINING WALL AT FLANKS OF ENTRANCE STEPS.

⅜" SCALE

STONE COPING | STONE FACING | ⅜" ϕ AT 12" BOTH WAYS | 4-½" ϕ HOOPS AT 12" CRS. | 18"

½" SCALE.

DETAIL DWARF WALL TO GARDEN PLOTS.

SECTION AT A-A | SECTION AT B-B

BEFORE CONSTRUCTING SEE F.S. DETAILS LATER FOR ALL MOULDINGS

COL. Nº E21. | WHALE BONE GRATE STORM WATER | FILLING | ⅜" ϕ 12" CRS BOTH WAYS | CONCRETE CURB PRECAST SLABS | 3" GRAVEL | DETAIL PATH AGAINST BUILDING TO GARDEN PLOTS. | SEE TOP RIGHT HAND CORNER FOR TYPICAL WALL TO GARDEN PLOT.

SECTION THRU END OF DWARF WALLS TO GARDEN PLOTS — ½" SCALE.

TOP OF STEPS | DOTTED LINE SHOWS STONE ON LOWER FRONT OF STEPS. | ⅜" ϕ @ 12" BOTH WAYS | ⅜" ϕ AT 12" BOTH WAYS ON CENTRE | ⅜" ϕ AT 12" BOTH WAYS & BOTH FACES | ⅜" ϕ AT 12" BOTH WAYS. | STONE COPING | STONE FACING | TERRACE LEVEL

DETAIL OF PYLONS TO ENTRANCE STEPS.

½" SCALE.

⅜" ϕ AT 5" CRS'T & AT 18" HORIZ | ⅜" ϕ AT 12" BOTH WAYS | TYPICAL 18"x 12" FOOTING

DETAIL OF RETAINING WALL TO LECTURE HALL AND KITCHEN.

⅜" SCALE

FOOTING | FOUNDATIONS | LIGHT COURT | BOILER R.M. | COAL | BUNKER | STAIR | DOWN | COAL CHUTE | RETAINING WALL | FOOTING | CONCRETE | TIE BEAMS | PIERS | SOUTH BOUNDARY SCHEME Nol. | CENTRE AXIS OF BUILDING

INDICATIONS

CONCRETE IN SECTION.

STONE IN SECTION.

Drawn By L.M.W.
Traced By L.M.W.
Checked By C.R.F. & R.W.K.
Date 18-11-31

NATIONAL ART GALLERY AND DOMINION MUSEUM

WELLINGTON

RECEIVED 21 NOV 1932

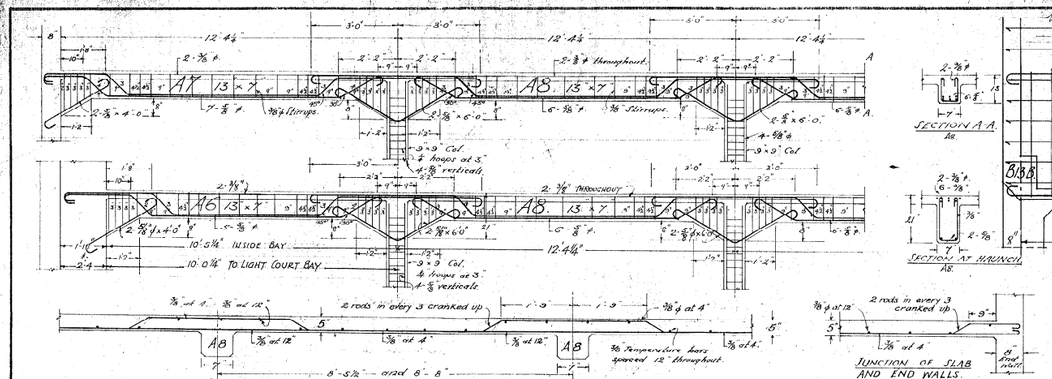
GUMMER & FORD
ARCHITECTS
SEPUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

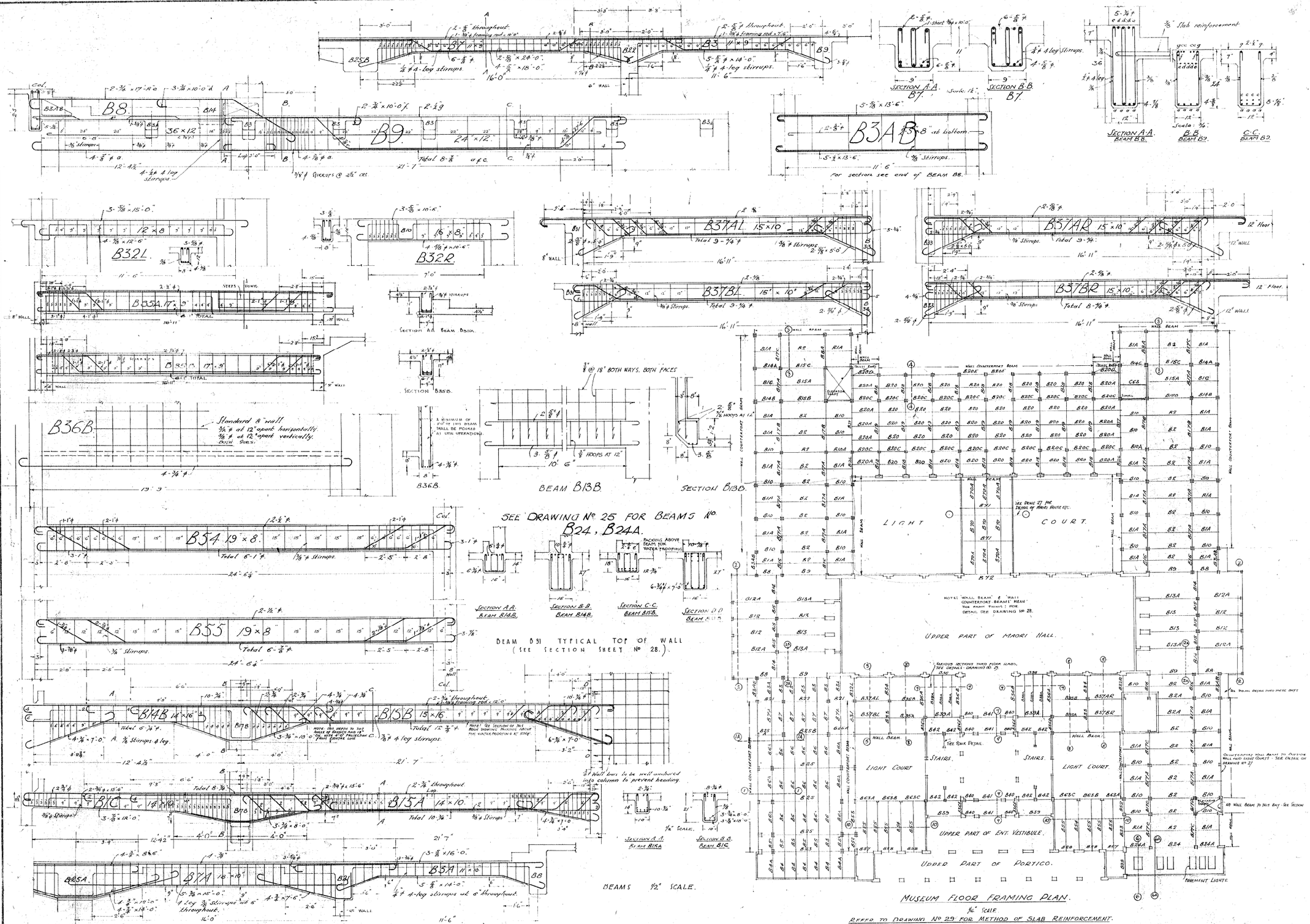
⅛", ⅜" & ½" = 1 FOOT

Contract No. 211

FOUNDATION PLAN WEST SIDE & VARIOUS DETAILS.

Drawing No. 24.


A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
B24A
B24
B18
B19
Omit haunches at Vertical columns only.
Vestibule Columns.
Note: Where necessary beams A12 are to be increased in depth to accommodate change in floor levels. The width and rebar to be kept the same.
Span Varies see Framing Plan.
Wall
Footing
Section A.A
Section A12
Section A9
Section A11
Section at Haunch A18
Section B.B4
Section E. E.
Junction of Slab and End Walls.
Footing Detail to Cols. No. U6. W6. XC & YC.
Footing Mark F15.
Typical Square Footing.
Footings to Columns U3. W3. X3. Y3.
Footings Mark F16
Footing Mark F16
Footing T'0"x4'-0"
Bottom Bars
Wall footing
U-dowel
Typical Footings as for 8" Wall
Typical Footings as for 8" Wall
Concrete Slab on Filling.
Section A-A Tiko Service Stairs.
Detail Service Stairs. South-West Corner.
Tiles to Landing and Risers
Nosing
Note. Allow for 15" to finish
Landing
Stair Reinf with 3/8" ø at 12" both ways.
48 Risers from Ground Fl. to Art Gallery Fl. a height of 27' 8½"
Tiles finished in similar manner as Treads
These Flights reinf as below
Equivalent to all Flights
Bear Cl.
Underside Fl.
Typical Detail showing Change of Level in Continuous Footing.
All rods to have hooked ends.
This distance equal to depth of footing.
Depth
Dimensions & Reinforcement in Standard Footings.
Footings.
Dowels.
Mark
Length
Width
Depth
No. of Bars
Dia
Length
No. of Bars
Dia
Length
Projection
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10
F11
F12
F13
F14
F15
F16
Footings to 9'-3" & 10'-10" Cols. Maori Hall & House.
Omit
See detail drawings
Ground Floor Framing Plan.
1/16" Scale
Refer to Drawing No 29 for Method of Slab Reinforcement.
See Drawing No 27 for Section F.F
See Drawing No 29 for Sections A.A, B.B, C.C, & D.D.
See Drawing No 23
See Drawing No 28
Delete this portion of Framing Plan. Slab to be placed on Filling.
3/8" ø at 12" centres both ways, both faces
Note: Above beam "Rising" Wall with Tiling Wall Reinforcement.
3/8" ø @ 9" crs
3/8" Hoop Stirrups at 9" crs.
12'-4½" 27'-6" Col. Centres.
Section B.B4
Columns.
10 x 10 Maori House. 9'-3" high.
8-¾" ø dowels.
¾" ø dowels spaced 12" apart in all wall footings.
Wall Footing at Walls
Interior Footings Maori Hall and Maori House.
Note: Throughout all wall footings insert ¾" ø dowels to make contact with the ⅜" ø vertical bars in all walls.
Plan
Wall Footing at Columns.
Section of Footing Tie Beams
Note: In all wall footings insert ⅞" or ¾" ø dowels to make contact with each ⅞" ø or ¾" ø column vertical bar. Column dowels to rest on the bottom reinforcement of footings and to project not less than 24 diameters.
⅜" ø dowels at 12" throughout.
Walls.
¾" ø Dowels throughout spaced 12" apart.
18" x 12" Footings for Interior Walls.
Walls on Tie Beams.
Top bottom bars at 12". OMIT.
Maori Hall Wall Footing Sections.
Note: Throughout all wall footings ⅜" ø dowels projecting 15" or more are to be inserted at 12" crs. in order to tie wall to footing.
Note Footings Size 2'-4" x 2'-6" Similar to above.
15"-⅜" x 8"-6" at 12" crs.
Bars in wall footing to bend not less than 30" into 18"-0" block.
Four Footings at Corners of Maori Hall
2'-3" x 2'-6" Footing to Vestibule Columns.
1'-9" x 2'-6" Footing to Vestibule Columns.
2'-6" x 2'-6" Footing to Vestibule Columns.
3'-0" x 2'-6" Footing to Vestibule Columns
Section A-A
Section B-B
Section C-C
Section D.D
Wall Footing Sections. 1½" Scale
Engineer's Department Received 23 Nov 1932
Indications
Beams on Ground Floor designated 'A'
For location of foundations according to numbers see drawings Nos 23 to 28 inclusive.
(60'-6" x 20')
Drawn By
Traced By
Checked By
Date 18.11.31
National Art Gallery and Dominion Museum
Wellington
Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington
Scale: 1/16", ⅜", 1½" & ¾" — One Foot
Ground Floor Framing Plan. Ground Floor Beams & Footing & Foundation Details
Contract No. 211
Drawing No. 25.


B8
B9
B3
B22
B22A
B22B
B2&B
B7
B3AB
B32L.
B32R.
B35A.
B35B.
B36B.
B37AL. 15"x10"
B37AR 15"x10"
B37BL. 15"x10"
B37BR 15"x10"
B34 19"x8"
B35 19"x8"
B8AB 14"x16"
B15B 15"x16"
B8C 14"x10"
B15A 14"x10"
B8SA.
B7A 14"x10"
B5A 11"x10"
B31
B32
B33
B34
B35
B36
B37
B38
B39
B40
B41
B42
B43
B44
B45
B46
B47
B48
B49
B50
B51
B52
B53
B54
B55
B56
B57
B58
B59
B60
B61
B62
B63
B64
B65
B66
B67
B68
B69
B70
B71
B72
B73
B74
B75
B76
B77
B78
B79
B80
B81
B82
B83
B84
B85
B86
B87
B88
B89
B90
B91
B92
B93
B94
B95
B96
B97
B98
B99
B100
B101
B102
B103
B104
B105
B106
B107
B108
B109
B110
B111
B112
B113
B114
B115
B116
B117
B118
B119
B120
B121
B122
B123
B124
B124A
B125
B126
B127
B128
B129
B130
B131
B132
B133
B134
B135
B136
B137
B138
B139
B140
B141
B142
B143
B144
B145
B146
B147
B148
B149
B150
B151
B152
B153
B154
B155
B156
B157
B158
B159
B160
B161
B162
B163
B164
B165
B166
B167
B168
B169
B170
B171
B172
B173
B174
B175
B176
B177
B178
B179
B180
B181
B182
B183
B184
B185
B186
B187
B188
B189
B190
B191
B192
B193
B194
B195
B196
B197
B198
B199
B200
B201
B202
B203
B204
B205
B206
B207
B208
B209
B210
B211
B212
B213
B214
B215
B216
B217
B218
B219
B220
B221
B222
B223
B224
B225
B226
B227
B228
B229
B230
B231
B232
B233
B234
B235
B236
B237
B238
B239
B240
B241
B242
B243
B244
B245
B246
B247
B248
B249
B250
B251
B252
B253
B254
B255
B256
B257
B258
B259
B260
B261
B262
B263
B264
B265
B266
B267
B268
B269
B270
B271
B272
B273
B274
B275
B276
B277
B278
B279
B280
B281
B282
B283
B284
B285
B286
B287
B288
B289
B290
B291
B292
B293
B294
B295
B296
B297
B298
B299
B300
B301
B302
B303
B304
B305
B306
B307
B308
B309
B310
B311
B312
B313
B314
B315
B316
B317
B318
B319
B320
B321
B322
B323
B324
B324A
B325
B326
B327
B328
B329
B330
B331
B332
B333
B334
B335
B336
B337
B338
B339
B340
B341
B342
B343
B344
B345
B346
B347
B348
B349
B350
B351
B352
B353
B354
B355
B356
B357
B358
B359
B360
B361
B362
B363
B364

B8A 14" × 14" — B1A — B1B — 2-¾" — 3-1" ϕ — 4-⅞" ϕ 12" — 16'-0"

SECTION B8A.

B20D 11½" × 20½" — 8" Concrete wall. — ⅜" ϕ at 12" — 4-1" ϕ — 7-⅞" ϕ. — B1B — 12'-9" — 8" Wall

SECTION B20D.

B20E 11½" × 20½" — 10-⅞" ϕ × 30'-0" — 1⅛" ϕ (4 LEGS) stirrups. — Wall Counterfort. — B1B — 12'-9"

SECTION A.A. B20E.

⅜" ϕ 4-LEG STIRRUPS — 10-⅝" ϕ — 20½"

SECTION B.B (Wall Counterfort) TYPICAL

⅜" ϕ hoops at 12" — 20½"

B10A 14" × 6" — 3-⅝" ϕ — 1-⅝" ϕ — 12-⅜" ϕ — 24" Lap.

B10 14" × 6" — 3-⅝" ϕ — ⅜" ϕ Stirrups. — 2-⅞" ϕ — 1-⅝" ϕ — 24" Lap.

⅜" ϕ Stirrups at 12" crs.

⅜" ϕ Stirrups in all beams.

B1C — B2 — B17A 24" × 14" — B1A — 2-⅞" ϕ — 4-⅞" ϕ × 9'-0" — 7'-6" — 3'-6" — 3'-6"

2-¾" ϕ throughout. TOTAL 11'-3" — 4-⅞" ϕ × 15'-0" TOTAL 6-¾" ϕ — 2'-6" — TOTAL 10'-3" — 2-¾" ϕ throughout.

SECTION O.D. B17D.

6-¾" ϕ — 24" — 14" — 4-⅝" ϕ

B36E.

½" Links. — 2-⅝" ϕ — 2-⅝" ϕ — 5'-0" — Pier. — Pier.

SECTION OF B36F.

12" — 6-⅝" ϕ × 8'-0" — 15-½" ϕ Links thus — 8" — 8" Overall

B40 — B41 — ⅜" at 9" — B40 — 2-⅝" × 25'-0" — 10'-3" — 3'-10½" — 27" — 27" — 3'-10½"

B38 — 3'-0" — Standard 8" wall reinforcement. ⅜" ϕ at 12" crs. both horizontally and vertically, & both sides of wall. — 3-⅜" ϕ straight, extending 18" past support, with hooked ends. — 8"

SECTION B38.

2-⅝" ϕ — 6'-6" — 2'-7" — 4" SLAB — ⅜" at 12" — ⅜" at 9" apart Stirrups and both ways. — ⅜" at 9" alternate rods bent. — 2-⅝" ϕ

SECTION B41 & B40.

B39 21" × 8" — 2-⅜" ϕ — ⅜" ϕ Stirrups. — 2-⅜" × 18'-6" — 16'-11"

B39A 29¾" × 8" — 2-⅜" ϕ straight — 3-⅜" ϕ straight — 16'-11"

SECTION B39A.

2-⅜" ϕ — ⅜" ϕ Stirrups. — 3-⅜" ϕ straight.

Reinforcement in wall ϕ "shall" ⅜" ϕ at 12" both ways on centre line of wall.

SECTION A.A. BEAM B39.

B14C.

BEAM B14C

⅜" ϕ at 12" crs. both ways and both sides of wall. — 8" WALL. — 4-⅝" ϕ

SECTION B14C.

B42 — 4-½" ϕ — 4-½" ϕ — 8'-4⅝" — 8" × 8" Col.

B12 12" × 8" — ⅜" ϕ Stirrups. — 4-½" ϕ — 8'-6⅜"

NOTE: FOR RELATION OF STAIR TO RMS SEE "LAYOUT OF MAINS" DRAWING NO 18 & DETAIL OF STAIR FLIGHTS DRAWING NO 33

B58 34" × 0" — 2-⅜" × 25'-6" — 2-⅜" × 23'-6" — 10'-11¾" — 11'-11¼"

SECTION B58.

B55 — 12-⅜" ϕ — 11⅜" — 23⅜" — ⅜" Stirrups — 4-⅝" ϕ — 9"

B57 23⅜" × 9" — 2-⅜" × 12'-0" — 4-⅜" × 12'-0" — 10'-9½"

SECTION OF B57

B55 — 12-⅜" — 23⅜" — ⅜" — 4-⅝" ϕ — 9"

B63A 24" × 10" — B63B 24" × 10" — B63C 24" × 10" — 2-¾" ϕ × 5'-0" — 2-½" ϕ — 2-¾" × 8'-6" — 2-¾" ϕ — 2'-0" Lap — ⅜" Stirrups. — 10'-9½" — 10'-11¾" — 11'-11⅝"

SECTION A-A.

2-½" ϕ with hooked ends. — ⅜" ϕ stirrups — 3-1" ϕ

B38A 15" × 8" — 2-½" ϕ with hooked ends. — 3-1" ϕ, middle rod cranked up. — 2-1" ϕ straight. — 15'-7"

SECTION B38A

6 ϕ wire at 6" apart in top and bottom of slab with horizontal temperature wires ϕ spaced 12" apart in top and bottom of slab. — 3½" SLAB — Beam B70 — Beam B70 — Roof of Maori Hall.

PART PLAN OF ROOF SLAB TO MAORI HALL.

NOTE! ABOVE BEAM REINF. WALL WITH TYPICAL WALL REINF. BUT ONLY HAVE SPECIAL REINFORCEMENT AS DETAILED.

⅜" at 12" both ways in sides & faces.

B23. — Window. — Total 8-1" ϕ — Window. Total 6-1" ϕ — 3-1" × 24'-6" — 35" lap. — 3-1" × 20'-0" — 2-1" × 15'-0" — ½" STIRRUPS. — 8-1" ϕ × 30'-0" — 4-1" ϕ × 16'-6" — 6'-8" — 5'-8½" — 9'-9" — 33'-0"

⅜" ϕ at 9" both ways in both faces.

SECTION B23.

2-⅜" ϕ framing rod × 3'-0" long

SECTION B4. (1½" SCALE)

B5 — B4 — 11" × 9" — 3-⅝" ϕ — 2-⅝" ϕ, & 1-short ⅝" ϕ × 3'-0" — 5-⅝" ϕ — 3-⅝" ϕ — ½" Stirrups. 4 per leg — 6-⅞" ϕ — 8-1" ϕ × 30'-0" — 12'-11½"

SECTION OF MULLIONS MAORI HALL WINDOWS

2-⅜" ϕ Hoops AT 12" — 16" — 10"

REFER TO DRAWING No 29 FOR METHOD OF SLAB REINFORCEMENT.

COUNTERFORT WALL BEAM — ⅜" ϕ hoops at 12" crs. — 2-⅞" ϕ — 2-⅞" ϕ — ⅜" ϕ Hoops AT 12"

⅜" ϕ hoops at 9" — ⅜" ϕ hoops at 12" crs. — 2-⅜" ϕ — 2-⅞" ϕ — ⅜" ϕ Hoops, AT 12 CRS — 3-⅞" ϕ IN MULLION. SIMILAR REINF. TO MULLIONS MAORI HALL. — ⅜" ϕ RODS HOOKED THUS AT TOP.

MULLIONS MUSEUM FLOOR WINDOWS.

SECTION B.B. — 2-⅜" ϕ straight — 3-⅜" ϕ straight — 3-⅜" ϕ Stirrups. — 6" — 3-⅞" ϕ straight.

SECTION E.E. — 4-⅝" ϕ — 10" — 12" — ⅜" ϕ hoops at 9" crs. — 4-⅝" ϕ — 10" — 12" — ⅜" ϕ hoops at 9" — 12" — 12" — ⅜" ϕ hoops at 9"

SECTION C.C. — 4-⅝" ϕ — 10" — 12" — ⅜" ϕ hoops at 9" crs.

SECTION G.G. — 4-⅝" ϕ — 10" — 12" — ⅜" ϕ hoops at 9" crs.

SECTION A1. — 4-⅝" ϕ — 10" — 12" — ⅜" ϕ Hoops at 12"

SECTION THROUGH FRONT ENTRANCE STEPS. (1½" SCALE)

3" slab — 5" slab — 12" Toe Footer — 4 Minimum. — ⅜" throughout. — ⅜" at 12" both ways. — ⅜" at 12" Laps at bottom. — ⅜" at 12" bottom only. — ⅜" hoops at 12" — 2-⅝" ϕ — 9-⅝" ϕ — 2-⅝" ϕ — ⅜" at 12" — ⅜" hoops at 12" crs. — 8"

HALF SECTIONAL ELEVATION OF MAORI HOUSE. B71. (½" SCALE).

NOTE: SEE DRAWING No 35 FOR SCHEDULE OF TYPICAL WALL REINFORCEMENT

B70 — B71 — 5'-0" — 5'-8" — 5-1" ϕ — 3-1" ϕ × 30'-0" — ⅜" ϕ Stirrups. — 12" — 10" — 5'-0" Radius — 5'-0" — 6'-9" — 5'-10½" — 5'-9½" — 5'-9½" — 6'-3" × 21'-9" — 6'-3" × 19'-6" — 4'-8" — 4'-8" — 5'-10½" — 5'-9½" — 5'-9½"

SECTION bb — SECTION dd — SECTION C.C — SECTION E.E — SECTION G.G

Ends of ⅜" ϕ Hoops at 12" crs. — End of 3'-1" ϕ — End of 1'-3½" ϕ — End of 6'-3" ϕ — End of 3'-1" ϕ — End of 1'-3½" ϕ — Ends of ⅜" ϕ Hoops at 12" crs. — Pitch at top of "A" beam to suit wall. — Pitch at top of "B" beam to suit wall. — End of 6'-3" ϕ

Reinforce 6" slab with 11" ϕ wire at 6" apart in both directions & ⅜" ϕ at 12" crs. in top and bottom of slab.

LIGHT COURT — 2-U dowels ¾" × 8'-0" — 5-⅝" × 4'-0" each way — 3'-0" — 3'-0" — 4-⅝" ϕ — 10" — 12" — ⅜" ϕ hoops at 12" — 12"-12" T/C BEAMS — 10"×10" COL.

A2A 14" × 8" — A2 14" × 8" — A1 14" × 8" — 2-¾" Throughout. — 3-⅜" — 2-⅜" ϕ — 3-⅜" ϕ — ⅜" STIRRUPS — 15'-8½" — 3'-0" Lap. — 2-¾" ϕ — 1-¾" ϕ — 3'-0" — 5" Slab — 1'-0" — 1'-0" — 1'-0" — 1'-0" — ⅜" at 12" — ½ rods in every 3 crammed up over supports. — (SCALE ½"-1 FOOT)

A3A — A2 — A2 — A3A — ⅜" at 12" crs. — ⅜" at 8" crs. — ⅜" at 24" — ⅜" at 8" crs. — ⅜" at 24" — ⅜" at 8" crs. — ⅜" at 12" crs. — 3-⅜" Throughout. Loop verticals — 5'-10½" — 5'-9½" — 5'-9½" — 5'-10½" — 1'-6" — 12" — 12"

SECTION F.F. MAORI HOUSE. SECTION OF FLOOR SHOWING REINFORCEMENT. Scale: ¾" = 1'. (ON SHEET No 26)

INDICATIONS. FOR MUSEUM ROOF FRAMING PLAN SEE DRAWING No 26.

Drawn By H.W.F.
Traced By K.L.M.
Checked By E.O.F. & W.R.
Date 18.11.31.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

RECEIVED 23 NOV 1932 — NEW ZEALAND PUBLIC WORKS DEPARTMENT

Gummer & Ford — Architects — Structural Engineers — Auckland & Wellington

Scale: ½" ¾" & 1½" = 1 FOOT

BEAMS 'B' (MUSEUM FLOOR) &. MAORI HOUSE DETAILS

Contract No. 211

Drawing No. 27.

B20A 13×7½ B20 13×7½ B20 B20C 13×7½

B18 15×10 B19 19×11 B18

B10 14×10 B2 14×10 B10

B1A B2 B1A

B1A B1.C 14×10

B12A 18×12 B13A 24×12

B12 18×12 B13 24×9

B14 19×18 B15 19×18

B16 24×14 B17A 24×14 B17B 24×14 B17A

B21 27×12 B22 27×12 B21

B4 11×8 B23 B5 B25 B6

B2A 14×10

B17A B17C 24×14

BEAM B25 25×24

SECTION A-A. SECTION B-B. SECTION C-C.

SECTIONS THRO BEAMS ¾" SCALE.

SECTIONS A-A, B-B & C-C OF B17A & B.

HORIZONTAL CONTERFORT & TYPICAL REINFORCEMENT IN B WALLS Scale ¾"

(Position of reinforcement not to scale.)

WALL BEAMS B31, B36A, B36D WALL BEAMS B52, B53.

3-¾" EXTENDING INTO CENTRE OF MAORI HALL COLUMN. 1ST FLR & R.L. WALL BEAM B72.

SECTION A-A B25.

SECTION B-B BEAM B17C.

SECTION AA BEAM B17C.

SECTION B-B BEAM B17C.

SECTION A-A B25.

SECTION B-B B25.

SECTION C-C B25.

SECTION B-B

SECTION A-A BEAM B6

SECTION C-C

SECTION A.A

SECTION B.B

SECTION C.C

SECTION A-A

SECTION B-B

SECTION C-C

B12. SECTION A-A. B12A SECTION B-B. B13A SECTION C-C.

A-A C-C B-B

ALL BEAMS ½" SCALE.

BEAM B20C IS CONTINUOUS WITH B10A AT ENDS

Reinforce all external & contrete walls with ⅝ bars at 12" vertically in both faces and ⅝ bars at 12" horizontally in each face. Laps not less than 12" and hooked.

For B10A only add 4-⅞ × 4'6" for continuity B10A, Size 14"×10"

See framing plans for extent of counterfort.

BALCONY REINFORCEMENT SEE SHEET No 15 ALSO.

NOTE SEE FRAMING PLAN FOR EXTENT OF WALL COUNTERFORT.

TYPICAL WALL BEAM

Floor slab bars

BEAM B25. 25"×24"

Stirrups Beam B5.

Links at ½ ⅝ ø.

Alternate Stirrups are to be overlapped with the lap end at bottom of beam.

⅜ø Stirrups; the number at each section to be as marked.

¾ Spacing rods at 3'0" centres between 2 layers of reinforcement.

Stirrups Beam B6.

Strongroom.

See detail of B10 for curves of bars 9 & h

In four centre panels "X" of floor slab lay ⅜ø×8'6" bars spaced 12" apart in addition to the slab reinforcement. See section of slab 18/18, Sheet No 29.

Links at points marked 'L'

SECTION A-A B25.

SECTION B-B B25.

INDICATIONS

BEAMS TO MUSEUM FLOOR DESIGNATED "B" FOR REMAINDER OF B BEAMS SEE DRAWINGS Nos. 26, 27 & 29

Drawn By H.W.F.
Traced By R.L.M.
Checked By C.R.F. & R.W.R.
Date 16.11.31.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

CITY ENGINEER'S DEPARTMENT RECEIVED 23 NOV 1932 HUGH ST. WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

Scale: ½" ¾" 1" = 1 FOOT.

Contract No. 211

DETAIL BEAMS 'B' (MUSEUM FLOOR)

Drawing No. 28.

Particular care to be taken that bars in tops of all slabs are well anchored into outside 8" walls.
Hooks at ends to be 50% larger than standard ⅜" hook.

SECTION 1-1

SECTION 2-2

SECTION 3-3.

SECTION 4-4.

SECTION 5-5.

SECTION 6-6.

SECTION 7-7.

SECTION 8-8.

SECTION D-D. SLAB.

SECTION 9-9.

SECTION 10-10

SECTION 1A-1A

SECTION 2A-2A

SECTION 6A-6A.

SECTION A-A. Drawing No. 25.

SECTION A-A Drawing 25.

B-B. Drawing No. 25.

SECTION C-C.

SECTION B25B.

FLOORS ON SOLID:
TYPE A. FLOORS TO BE USED IN ALL CASES EXCEPT IN BOILER RM, COAL BUNKER, LECTURE HALL, LECTURE HALL KITCHEN, RETIRING RM & STORE WHERE TYPE B. SHALL BE USED.

FLOOR SLAB TYPE A.

TYPICAL GROUND FLOOR SLABS. (1¼" scale).

FLOOR SLAB TYPE B.

NOTE: WHERE GROUND FLOOR SLABS ARE NOT OTHERWISE SPECIFIED THEY SHALL BE FINISHED IN ONE OPERATION.

METHOD OF SLAB REINFORCEMENT

The slab reinforcement is a combination of 1 straight rod, 2 bent rods, and straight rods on top. Over the end supports, the short straight rods on top are omitted.
The length of the short top rods on either side of support in the clear = distances 'A', to be calculated as under:-
For clear spans 5'0" & under distance A' = 1'3"
" " " between 5' and 6' = 1'6"
" " " 6' and 7' = 1'9"
" " " 7' and 8' = 2'0"
" " " 8' and 9' = 2'3"
" " " 9' and 10' = 2'6"
" " " 10' and 11' = 2'8"
" " " 11' and 12' = 2'10"
" " " 12' and 13' = 3'0"

BENDING SKETCHES

Note: For the sake of clearness, these short top rods have not been drawn on Section Slab Details

Hooked Ends: Rods ending in top of slab over supports, and all rods finishing in end walls, to have hooked ends. The straight bottom rods are to end only over a support, and to have plain ends extending 12" past the edge of support. Rods to be bent at right angles if a straight length of 12" is not obtainable.

Reinforcement Over Girders: When a girder is parallel to the principal reinf. of a slab, short rods shall be placed at the girder (supposedly near the top of the slab); these are to be, generally, ⅜" at 12" crs. x 5'0" long, and 3'0" over wall girders. Special cases and variations have been detailed.

Cross Reinforcement: In all slabs to be ⅜" ϕ at 12" crs, except where specifically stated otherwise.

Note: Bay bolts to be inserted where necessary for securing roof truss shoes, ends of purlins, braces, etc.

Note: Actual height of this pompei ϕ take or splay at ends shall be determined by the profile & height of truss at back.

DII.

BEAM DII

BEAM DI2.

CITY ENGINEER'S DEPARTMENT RECEIVED 23 NOV 1932 HUTT DT. WELLINGTON

INDICATIONS
MUSEUM FLOOR BEAMS DESIGNATED 'B'
ROOF BEAMS DESIGNATED 'D'
FOR REMAINDER OF 'B' BEAMS SEE DRAWING NOS. 26, 27 & 29
FOR 'D' BEAMS DRAWINGS 24, 33.

Drawn By H.W.F.
Traced By K.T.M.
Checked By C.R.F. & A.H.G.
Date 18.11.31.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

Scale: ½" & 3/16" = 1 FOOT

MUSEUM FL. FLOOR SLABS, 'B' BEAMS PORTION OF ROOF BEAMS

Contract No. 211
Drawing No. 29

C 64 18"x16"

BEAM C63.

SECTION AA BEAM C64.

SECTION B.B. BEAM C65.

DETAIL OF PLACING OF SLAB REINFORCEMENT.

SECTION A-A C61A.

SECTION C-C C61.

TYPICAL SLAB REINFORCEMENT OVER PORTICO.

SECTION 16-16.

SECTION D-D C58.

SECTION E-E C59 & C60.

SECTION F-F C59 & C60.

SECTION 6-6.

SECTION 8-8.

SECTION 10-10.

SECTION 11-11.

SECTION 12-12.

SECTION 13-13.

SECTION 14-14.

SECTION 15-15.

SECTION 5A-5A.

ART GALLERY FLOOR FRAMING PLAN. REFER TO DRAWING No 29 FOR METHOD OF SLAB REINFORCEMENT

THIS DRAWING REVISED TO DATE MAY 26TH 1932.

INDICATIONS

ART GALLERY FLOOR BEAMS DESIGNATED 'C'.

Drawn By H.W.E., I.M.W.
Traced By R.L.M.
Checked By C.R.A. & R.W.R.
Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

Received 28 Nov 1932

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

Scale: 1/16", 1/2" & 3/4" = 1 FOOT

ART GALLERY FRAMING PLAN
ART GALLERY FL. FLOOR SLABS & ('C' BEAMS)
SEE ALSO DRAWINGS NOS 31, 32 FOR REMAINDER OF 'C' BEAMS.

Contract No. 111

Drawing No. 30.

C16A. C20A. 16"×7" C18 C20. 16"×7" C16 C20

Throughout. Taper 2'-0" Total 6'-7½"

SECTION E.E. BEAM C20

SECTION D.D. BEAM C20.

C20B 16"×7" C19 C20C. 16"×7" C17

NOTE See Framing Plan for Extent of Wall Counterfort

C25. 22"×12" C22 C26 22"×12" C27 22"×12" C4 22"×12"

½" ϕ Stirrups Throughout.

½" ϕ Stirrups.

C28 22"×12" C1A C29 22"×12" C30 C4 22"×12"

C31. C37 C32 22"×12"

C33. C37 C34.

FOR KEY OF TYPICAL WALL BEAM SEE SHEET No 26.

TYPICAL TOP OF WALL.

Sticks ⅜" ϕ 13'-6½" 4'-0" 4'-0" 5" slab C35 35"×41" ⅜" STIRRUPS

Mount Hall End

27'-6"

C36D 15"×10" C36 21"×18" ⅜" Stirrups.

C44 4" Slab. C41 C36A 21"×14" C38 ⅜" Stirrups.

C36D 15"×10" C39. WALL C36B. FOR REINFORCEMENT OF TYPICAL WALL BEAM SEE SHEET No 28.

C38 23⅜"×21" ⅜" Stirrups. 20'-0" Clear span

SECTION J.J. C36A Scale ¾"

C39 23⅜"×20" C40. 23⅜"×20" C41. 23⅜"×20"

⅜" Stirrups. ⅜" Stirrups at 12" crs.

SECTION A.A. BEAM C31. SECTION B.B. BEAM C32. SECTION C.C. BEAM C39. SECTION D.D. BEAM C28. SECTION E.E. BEAM C4.

SECTION E.F. WALL C33 Scale ¾"

⅜" ϕ at 12" crs. both ways and both sides.

SECTION THRO' WALL. SECTION THRO' WINDOW.

TYPICAL WALL BEAM, ART GALLERY FLOOR. ¾"=1'

SECTION G.G. BEAM C35. Scale ¾"

Finished Floor Level 183·71

⅜" ϕ at 4" crs. Finished Floor Level 182·0

⅜" Stirrups. Slab reinforcement.

SECTION H.H. C36 Scale 1"

⅜" ϕ at 12" CENTRES BOTH WAYS, BOTH SIDES OF WALL

SECTION NN C44. SECTION X X. C42.

SECTION O·O C49

WALL C42.

NOTE! A MINIMUM OF 30" OF BEAM C42 MUST BE POURED AT THE ONE TIME.

⅜" ϕ VERTICALS TO LOOP MOULD ⅜" ϕ EDGE AND ½" ϕ RODS.

C43 23⅜"×20" C44 23⅜"×20" ½" Stirrups at 12" crs.

C49. 23⅜"×23" C50 23⅜"×20" C51 23⅜"×20" ⅜" Stirrups.

C46 23⅜"×20" C45 23⅜"×20" C46 ⅜" Stirrups. ⅝" Throughout.

C47. 19½"×18" ½" Stirrups.

SECTION P.P. BEAM C47. Scale ¾"

Bars in C48 lie on top of bars in C47 Q.

C48. 19½"×18" ⅝" Stirrups.

SECTION R.R. C46. Scale ¾"

SECTION S.S. C45. Scale ½"

See Stair Details, Sheet 33.

SECTION Q.Q. C48.

C52. TOP OF WALL C53. TYPICAL WALL REINFORCEMENT.

WALL COUNTERFORT

FOR EXTENT OF WALL COUNTERFORT, SEE FRAMING PLAN.

⅜" ϕ AT 12" crs. BOTH WAYS, BOTH SIDES.

SECTION A.A. WALL C53.

SECTION L.L. C38.

C54. 25"×10" ⅜" Stirrups.

SECTION B.B. BEAM C54.

SECTION M.M. C39.

BEAMS & SECTIONS ½" SCALE.

CITY ENGINEER'S DEPARTMENT RECEIVED 28 NOV 1932 WORKS ST., WELLINGTON

INDICATIONS

ART GALLERY FLOOR BEAMS DESIGNATED 'C'

Drawn By H.W.F.
Traced By R.L.M.
Checked By C.R.C. A.K. W.R.
Date 18.11.31.

NATIONAL ART GALLERY AND DOMINION MUSEUM

WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

Scale: ½" & ¾" = 1 FOOT.

Contract No. 211

DETAIL BEAMS C
ART GALLERY FLOOR
(SEE ALSO SHEETS Nº 30 & 32 FOR 'C' BEAMS)

Drawing No. 31.

Note: Care is to be taken when placing that the positions of bends in bars are accurately placed relative to the centre line of columns.

BEAM SECTIONS 1" SCALE.

INDICATIONS

ART GALLERY FLOOR BEAMS DESIGNATED 'B'.

Drawn By H.W.F
Traced By R.L.M.
Checked By C.G.F. & W.R.B.
Date 18.11.31.

NATIONAL ART GALLERY AND DOMINION MUSEUM WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

SCALE: 1/2" & 1" = 1 FOOT.

DETAIL OF BEAMS 'C'. ART GALLERY FLOOR & DETAIL LINTOL OVER BAY WINDOW. (SEE ALSO DRAWINGS NOS. 30, 31 FOR REMAINDER OF 'C' BEAMS).

CONTRACT No. 211

DRAWING No. 32.

RECEIVED 21 NOV 1932 DOMAIN ST. WELLINGTON

LONGITUDINAL SECTION SHOWING FALLS.
NOT TO SCALE.

BEAM D20.

BEAM B42.

DETAIL SECOND FLIGHT MAIN STAIR.

BEAM 10 LIGHT COURT AT STAIR LANDING 30.

DETAIL TOP FLIGHT MAIN STAIR.

WALL BEAM Nº 7.

WALL BEAM Nº 8.

WALL BEAM Nº 9A.

NOTE. THESE STAIR DETAILS ARE TO BE READ WITH ¼ SCALE DETAILS OF SAME DRAWING Nº 18.

DETAIL FIRST FLIGHT MAIN STAIR.

DETAIL THIRD FLIGHT MAIN STAIR.

SECTION A-A.

BEAM D14. SIZE 21'-16", SPAN 21'-7", 4/1⅛" ϕ x 25'-0 RODS AT BOTTOM, TYPICAL 8" PARAPET REINF. ABOVE.
BEAM D11. SIZE 12" WIDE, SPAN 21'-6", 4/1¾" ϕ x 30'-0 RODS AT BOTTOM & TYPICAL 12" WALL REINF. ABOVE.
BEAM D18 SIMILAR 8" WALL & BEAM REINF AS BEAM D11. WITH SPECIAL CONDITIONS AROUND LIFT.

R.C. ROOF OVER GALLERY 'C'.

SECTION A-A. BEAM D1.

BEAM D19.

BEAM AT ENDS OF MAORI HALL (SEE DRAWING Nº 17).

WALL BEAM D15.

BEAM D16.

BEAM D17 AT END.

BEAM D10.
(BEAM Nº 10A, SIMILAR BUT WITHOUT ACCESS HOLE THRO' BEAM).

DETAIL OF WALL BEAM Nº 12.

PLAN.

ROOF SLAB OVER MAIN STAIR.

BEAM D49 SHALL BE REINFORCED SIMILARLY WITH HAUNCH REINF & HAUNCHES OMITTED. BEAM SHALL BE 30" DEEP & 16" WIDE - SEE SECTION DRAWING Nº 18.

SECTION B-B.
BEAM D48.

CORBELS GALLERY A AND SCULPTURE HALL.
¾" SCALE.

SECTION.

SECTION OF WALL BEAM MAORI HALL COLUMNS. BEAM Nº10. (WALL BEAM Nº10A-SIMILAR. REINF TO WALL BEAM Nº10).

DETAIL TRUSS OVER GALLERY 'C' & LOUNGE.

DETAIL OF CONCRETE ROOF OVER GALLERY 'R' & LOUNGE.

PENT HOUSE MACHINE RM. FRONT ELEVATOR.
See Sheet No. 39 ALSO ¼" SCALE SECTION. SHEET Nº 9

DETAIL FRONT ELEVATOR ROOF SLAB.

FLOOR SLAB.

ROOF SLAB.

No. 1. No. 2. No. 3. No. 9A. No. 6A. No. 4. No. 5. (No 11 Similar). No. 6. (Nº 9 Similar).

PLAN OF ROOF TRUSSES & ROOF BEAMS.
¼" SCALE.

INDICATIONS

ROOF BEAMS DESIGNATED 'D'.
SEE ALSO DRAWINGS NOS 24 & 29 FOR ROOF BEAMS - D13, D12, D11.

Drawn By HWF & LMN.
Traced By R.L.M.
Checked By C.R.F. & H.W.R.
Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

CITY ENGINEER'S DEPARTMENT RECEIVED 24 NOV 1932 HERBERT W. WELLINGTON

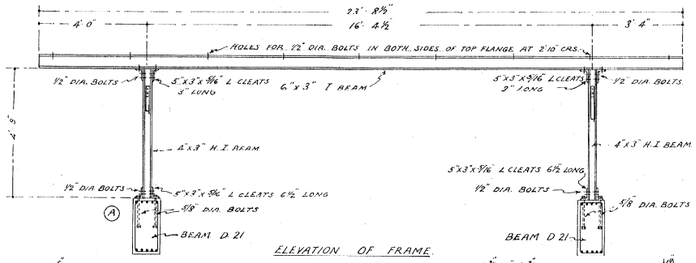
Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

Scale: 1/16, 1/8, 1/2, 3/4, 1/2 = ONE FOOT

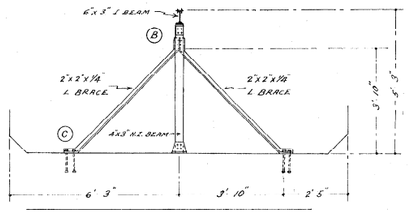
ROOF FRAMING PLAN
BEAMS 'D' MAIN STAIR.
DETAILS AND MOTOR RM (FRONT ELEVATOR)

Contract No. 211

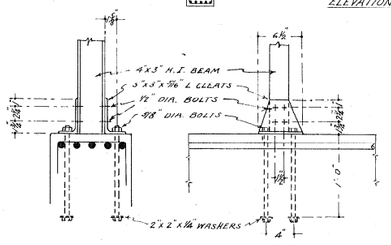
Drawing No. 33.



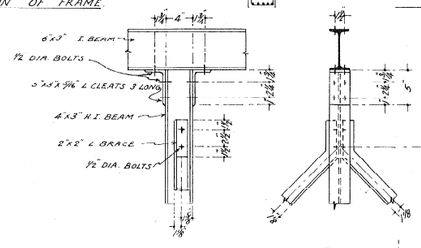
ELEVATION OF FRAME



END ELEVATION

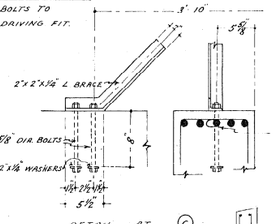


DETAIL AT (A)

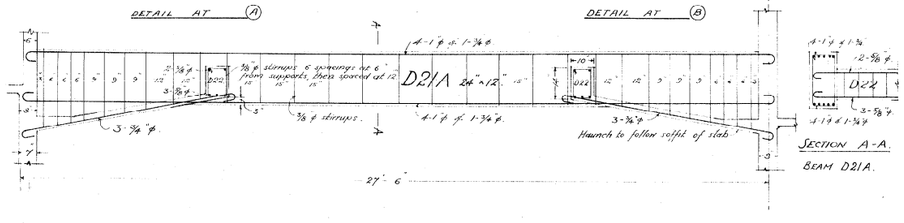


DETAIL AT (B)

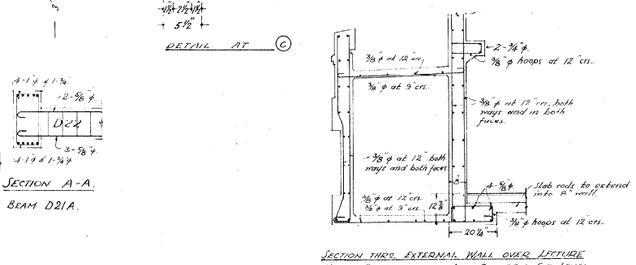
NOTE:- ALL ½" DIA. BOLTS TO BE TURNED TO DRIVING FIT.



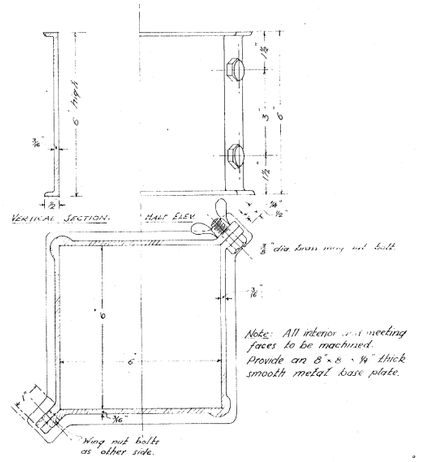
DETAIL AT (C)



SECTION A-A.
BEAM D21A.



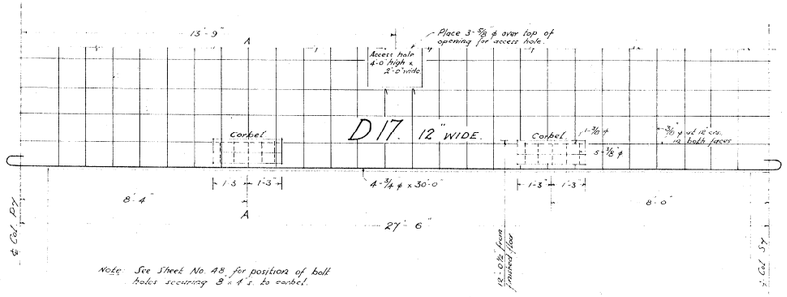
SECTION THRO. EXTERNAL WALL OVER LECTURE HALL ENTRANCE AT ART GALLERY FLR. LEVEL (OTHER BAYS SIMILAR) See Sheet No. 15.



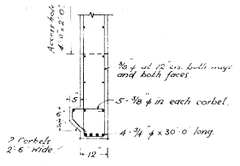
VERTICAL SECTION HALF ELEV

SECTIONAL PLAN

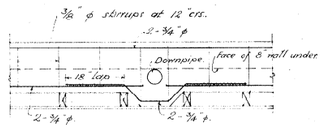
CAST BRASS BOX FOR CONCRETE TEST BLOCKS.
SCALE: HALF FULL SIZE.



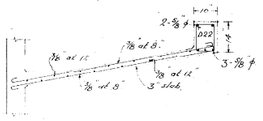
Note: See Sheet No. 48 for position of bolt holes securing 3"x4" L to corbel.

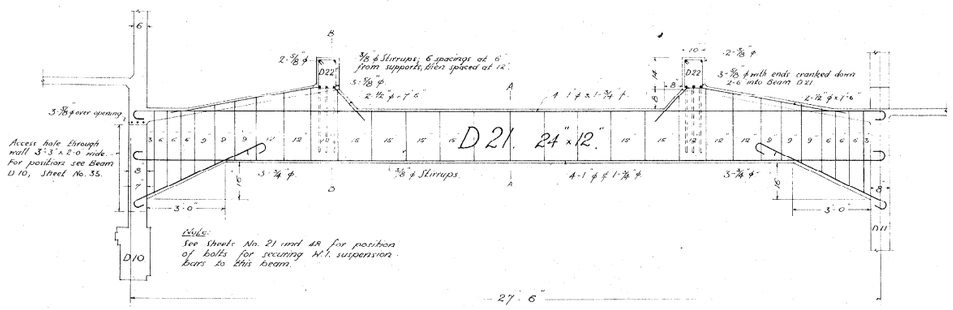


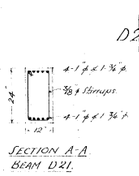
SECTION A-A
BEAM D17.



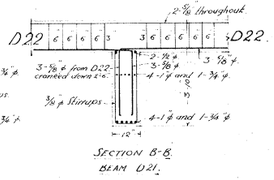
TYPICAL DETAIL OF WALL BAND CONSTRUCTION WHERE PIERCED BY DOWN PIPE. (Scale: ¾" = 1'-0")





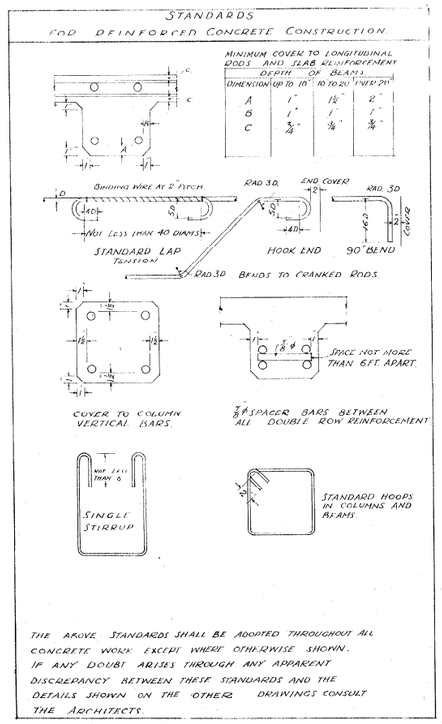


SECTION A-A
BEAM D21.



SECTION B-B
BEAM D21.

STANDARDS
FOR REINFORCED CONCRETE CONSTRUCTION.



THE ABOVE STANDARDS SHALL BE ADOPTED THROUGHOUT ALL CONCRETE WORK EXCEPT WHERE OTHERWISE SHOWN. IF ANY DOUBT ARISES THROUGH ANY APPARENT DISCREPANCY BETWEEN THESE STANDARDS AND THE DETAILS SHOWN ON THE OTHER DRAWINGS CONSULT THE ARCHITECTS.

PUBLIC WORKS ENGINEER'S DEPARTMENT
RECEIVED
21 NOV 1932
DISTRICT OF WELLINGTON

INDICATIONS

DRAWN BY K.W.R.
TRACED BY R.L.M.
CHECKED BY C.R.F.
DATE 12:11:31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

SCALE:
½ IN., ¾ IN., & 1½ IN. = 1 FOOT.

BEAMS D17 & D21 & D22, & D21A.
STANDARDS FOR REINFORCED CONCRETE CONST.

CONTRACT No. 211

DRAWING No. 33A

COLUMN NUMBER	A2 & A24	A4 & A23.	A5 -	A7. -	A21. -	A22.	B2. & B24.	B4. & B23.	B5.	B7.	B8. & B20	B21.	B22.	C8. C10. C11. C17. C18. C20	C12. & C16.	C14.	D2. & D24.	D4 & D23.	D5.	D7.
REDUCED LEVEL SHOWN AT TOP OF COLUMNS	INDICATES THE TOP OF COLUMN AND IN MOST CASES THE HEIGHT OF WALL BEAM (PANT) ALSO.																			
ROOF TO ART GALLERY	NONE.	NONE.	NONE.	NONE.	NONE.	NONE.	NONE.	NONE.	FLAT ROOF 194-75 8-¾"ϕ @ ⅜" @ 6" ATTENDANTS FL. 186-0.	FLAT ROOF 194-75 8-¾"ϕ @ ⅜"@6" ATTENDANTS FL. 186-0	NONE.	FLAT ROOF 192-21 8-¾"ϕ @ ⅜" @ 6" 183-71	FLAT ROOF 192-21 8-¾"ϕ @ ⅜"@ 6" 183-71	TOP OF WALL BEAM 201-36 8-¾" ϕ @ ⅜"@6" 183-71	201-36 8-¾" ϕ @ ⅜"@6" 183-71	201-36 8-¾" ϕ @ ⅜"@6" 183-71	196-17 8-¾" ϕ @ ⅜"@6" 183-71	196-17 8-¾" ϕ @ ⅜"@6" 183-71	196-17 8-¾" ϕ @ ⅜"@6" 183-71	201-36 4-1" ϕ @ ⅜"@6" 183-71
ART GALLERY TO MUSEUM.	NONE CARRY REINF 1'-6" ABOVE FLAT ROOF. ROOF 167-0	NONE. CARRY REINF 1'-6" ABOVE FLAT ROOF. ROOF 167-0	NONE. CARRY REINF 1'-6" ABOVE FLAT ROOF. ROOF 167-0	NONE. CARRY REINF 1'-6" ABOVE FLAT ROOF. ROOF 167-0	NONE. CARRY REINF 1'-6" ABOVE FLAT ROOF. ROOF 167-0	NONE. CARRY REINF 1'-6" ABOVE FLAT ROOF. ROOF 167-0	NONE. CARRY REINF 1'-6" ABOVE FLAT ROOF. ROOF 167-0	NONE. CARRY REINF 1'-6" ABOVE FLAT ROOF. ROOF 167-0	8-1⅛" ϕ @ ⅜" @ 6" MUSEUM 167-0 MOTOR RM 175-0	8-¾" ϕ @ ⅜"@6" MUSEUM 167-0 MOTOR RM 175-0	NONE. 167-0	8-¾" ϕ @ ⅜" @ 6" 167-0.	8-¾" ϕ @ ⅜" @ 6" 167-0	8-⅞" ϕ @ ⅜" @ 6" 167-0	8-⅞" ϕ @ ⅜" @ 6" 167-0	8-⅞" ϕ @ ⅜" @ 6" 167-0	8-¾" ϕ @ ⅜" @ 6" 167-0	8-⅛" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" 167-0
MUSEUM TO GROUND FL	8-¾" ϕ @ ⅜" @ 6" FLOOR 156-0.	8-⅞" ϕ @ ⅜" @ 6" 156-0.	8-⅞" ϕ @ ⅜" @ 6" 156-0.	8-¾" ϕ @ ⅜" @ 6" 156-0.	8-¾" ϕ @ ⅜" @ 6" 156-0.	8-⅞" ϕ @ ⅜" @ 6" 156-0.	8-⅞" ϕ @ ⅜" @ 6" 156-0.	8-1⅛" ϕ @ ⅜" @ 6" 156-0	8-1⅛" ϕ @ ⅜" @ 6" 156-0	8-¾" ϕ @ ⅜" @ 6" 156-0.	4-¾" ϕ @ ⅜" @ 6" 156-0.	8-¾" ϕ @ ⅜" @ 6" 156-0.	8-¾" ϕ @ ⅜" @ 6" 156-0.	8-⅞" ϕ @ ⅜" @ 6" 156-0.	8-⅞" ϕ @ ⅜" @ 6" 156-0.	8-⅞" ϕ @ ⅜" @ 6" 156-0.	8-¾" ϕ @ ⅜" @ 6" 156-0.	8-1⅛" ϕ @ ⅜" @ 5" 156-0.	8-1⅛" ϕ @ ⅜" @ 6" 156-0.
GROUND FL TO TOP FOOTING Note! REDUCED LEVEL SHOWN IS TO BOT. FOOTING	FOOTING 2'-6" DEEP 151-25	FOOTING 2'-6" DEEP 151-25	FOOTING 2'-6" DEEP 152-0	FOOTING 2'-6" DEEP 152-0	FOOTING 2'-6" DEEP 142-0	FOOTING 2'-6" DEEP 142-0	FOOTING 2'-6" DEEP 151-25	FOOTING 2'-2" DEEP 152-0	FOOTING 2'-2" DEEP 149-33	FOOTING 1'-10" DEEP 149-66	FOOTING 2'-6" DEEP 152-0	FOOTING 2'-6" DEEP 142-0	FOOTING 2'-2" DEEP 143-33	FOOTING 2'-6" DEEP 152-0	FOOTING 2'-6" DEEP 152-0	FOOTING 2'-6" DEEP 152-0	FOOTING 2'-6" DEEP 151-25	FOOTING 2'-8" DEEP 152-0	FOOTING 2'-8" DEEP 148-83	FOOTING 1'-10" DEEP 149-66
COLUMN NUMBERS	D16. D10. D11. D12. D14 D16. D17. D18. D20	D 21.	D 22	E2. E24. G2. G7. G21. G24 H2. H7. H21. H24. J7. J21.	E4. E5. E23	E7.	E8. E10. E11. E12. E14 E16. E17. E18. E 20	E 21.	E 22	F7. & F 21.	F8. F10. F11. F14. F17. F18. F20	F12 & F16	G4. G5. G22. G23. H4. H5 H22. H23. J4. J5. J22. J23.	J2. & J24.	H12. H16. J12. J16.	K1. K25. P1. P25.	K2. K24. P2. P24.	K2 & K24.	K4 & K23.	K5. K22. P5. P22
ROOF TO ART GALLERY	D18 201-36 Cov. Dia 16'-10" with 8-¾"ϕ @ ⅜" @ 6. NONE. 183-71	201-36 8-¾" ϕ @ ⅜" @ 6" 183-71	196-17 8-¾" ϕ @ ⅜" @ 6" 183-71	E2. E24. 196-17 G2. G7. G21. G24 H2. H7. H21. H24. 196-17. J7. J21. 8-¾" ϕ @ ⅜" @ 6" WALL TO COL. 52.E24. WALL TO COL. 52.E24. 183-71	200-0. 4-1" ϕ @ ⅜" @ 6" CR. RIDGE & CONCRETE AT GUTTER. 183-71	201-36 8-¾" ϕ @ ⅜" @ 6" 183-71	201-36 4-1" ϕ @ ⅜" @ 6" 183-71	201-36 8-¾" ϕ @ ⅜" @ 6" 183-71	200-0. 4-1" ϕ @ ⅜" @ 6" Cr. CRIDGE & CONC. SLAB AT GUTTER 183-71	196-21 6-¾" ϕ @ ⅜" @ 6" 183-71	F8. F10. F11. F20 — 196-21. F11. F14. F17. — 200-08. 8-¾" ϕ @ ⅜" @ 6" 183-71	200-08. 8-¾" ϕ @ ⅜" @ 6" 183-71	196-17 4-1" ϕ @ ⅜" @ 6" 183-71	196-17. 8-¾" ϕ @ ⅜" @ 6" 183-71	NONE	195-25 8-¾" ϕ @ ⅜" @ 6" 183-71	NONE. 183-71	196-17 8-¾" ϕ @ ⅜" @ 6" 183-71	201-33 4-1" ϕ @ ⅜" @ 6" 183-71	201-33. 8-1⅛" ϕ @ ⅜" @ 6" 183-71
ART GALLERY TO MUSEUM	8-1⅛" ϕ @ ⅜" @ 6" 167-0.	8-1⅛" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" MUSEUM 167-0	8-⅞" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" 167-0	6-¾" ϕ @ ⅜" @ 6" 167-0	8-¾" ϕ @ ⅜" @ 6" 167-0	8-¾" ϕ @ ⅜" @ 6" 167-0	8-⅛" ϕ @ ⅜" @ 6" 167-0	8-¾" ϕ @ ⅜" @ 6" 167-0	NONE SEE ¾ DETAIL FOR HEIGHT ETC.	8-¾" ϕ @ ⅜" @ 6" 168-0	8-¾" ϕ @ ⅜" @ 6" LIBRARY 168-0	8-¾" ϕ @ ⅜" @ 6" LIBRARY 168-0	8-⅛" ϕ @ ⅜" @ 6" MUSEUM WALLS R² 2.6 168-0	8-1⅛" ϕ @ ⅜" @ 6" 167-0
MUSEUM TO GROUND FL	8-1⅛" ϕ @ ⅜" @ 6" 156-0	8-1⅛" ϕ @ ⅜" @ 6" 156-0	8-1¼" ϕ @ ⅜" @ 5" Dwn. Stair Side of Cor. Above Museum Fl. to Landing. GROUND FL 156-0.	8-⅞" ϕ @ ⅜" @ 6" 156-0	8-1⅛" ϕ @ ⅜" @ 6" 156-0.	8" 1⅛" ϕ @ ⅜" @ 6" 156-0	8-1⅛" ϕ @ ⅜" @ 6" STORE 154-0	8-1⅛" ϕ @ ⅜" @ 6" GROUND FL 156-0	8-1⅛" ϕ @ ⅜" @ 6" GROUND FL 156-0.	8-¾" ϕ @ ⅜" @ 6" 156-0	8-¾" ϕ @ ⅜" @ 6" CORRIDOR 155-5	11-¾" ϕ @ ⅜" @ 6" NOTE! OMIT 3-¾" ϕ AT MAORI HOUSE FL. 162-5. 155-5	8-⅛" ϕ @ ⅜" @ 6" 156-0	8-¾" ϕ @ ⅜" @ 6" 156-0	12-¾" ϕ @ 4-⅜" ϕ WITH VARYING HOOPS SEE ¼" DETAIL OF THIS COL. DRAWING № 27. 162-5	8-¾" ϕ @ ⅜" @ 6" LIBRARY 155-0.	8-¾" ϕ @ ⅜" @ 6" LIBRARY 155-0	8-¾" ϕ @ ⅜" @ 6" LIBRARY 155-0	8-¾" ϕ @ ⅜" @ 6" LIBRARY 155	8-1⅛" ϕ @ ⅜" @ 6" SPACE 155-0
GROUND FL TO TOP of FOOTING Note! REDUCED LEVEL SHOWN IS TO BOTTOM OF FOOTING.	FOOTING 1'-10" DEEP. 152-0	BASEMENT FL. 145-0 FOOTING 1'-10" DEEP 142-00	BASEMENT FL. 145-0. FOOTING 2'-8" DEEP 141-82	FOOTING 2'-6" DEEP	FOOTING 2'-3" DEEP 152-0	FOOTING 2'-2" DEEP 152-0	FOOTING 2'-2" DEEP 152-0	BASEMENT FL. 145-0 FOOTING 2'-2" DEEP 142-33	BASEMENT FL. 145-0. FOOTING 2'-3" DEEP 142-65	FOOTING 1'-6" DEEP 122-0	FOOTING 1'-9" DEEP (14 FOOTING 1'-6" DEEP) 152-0	FOOTING 1'-11" DEEP 154-0	FOOTING 2'-2" DEEP J4, J5, J22, J23 FOOTING 2'-1" DEEP. 154-0	FOOTING 3'-3" DEEP (J24 FOOTING 2'-9" DEEP) J2 FOOTING 150-5. J24 " 151-0.	12-¾" ϕ @ 4-⅜" ϕ WITH VARYING HOOPS - SEE ¼" DETAIL FOOTING 1'-5" DEEP 132-0	FOOTING 2'-9" DEEP K1. FOOTING 149-75 K25. " 150-25 P1. " 149-0 P25. " 149-75	K2. K24. FOOTING 3'-0" DEEP FOOTING 2'-9" DEEP K2. FOOTING 149-75 K24. " 150-25 P2. " 149-0 P24. " 149-75	FOOTING 3'-3" DEEP K2. FOOTING 149-75. 150-25	FOOTING 2'-2" DEEP K-4 FOOTING 151-5. K23 " 152-0.	FOOTING 2'-6" DEEP K5 FOOTING 151-5 K22 " 152-0 P22 " 150-6 P5 " 150-6
COLUMN NUMBERS	K7. K21.	K8. K10. K12. K16 K18. K20.	L11. L25. M11. M25. N1. N25. O1. O25	L4. L23. M4. M23. N4. N23. O4. O23.	L5. L22. M5. M22. N5. N22. O5. O22.	P2. & P24.	P4.	P7 & P21	P8. & P20.	P10 & P18.	P12. & P16.	P23.	R2.	R4. & R5.	R7.	R8.	R10. & R18.	R12. & R16.	R13. & R15.	R20.
ROOF TO ART GALLERY	209-5 4-¾"ϕ @ ⅜" @ 6" LEVEL OF TRUSS SEATING 209-5	209-5 8-¾" ϕ @ ⅜" @ 6" LEVEL OF TRUSS SEATING 209-5	195-25 8-¾" ϕ @ ⅜" @ 6" 183-71	201-33 4-1" ϕ @ ⅜" @ 6" 183-71	RIDGE VARIES (SEE SECTION) 4-1" ϕ @ ⅜" @ 6" NOTE! THESE BOLT EXTEND UP TO FACING PARAPET, HEIGHT VARIES. 183-71	195-21 8-¾" ϕ @ ⅜" @ 6" 183-71	201-33 4-1" ϕ @ ⅜" @ 6" 183-71	210-24 4-¾" ϕ @ ⅜" @ 6" 183-71	210-25 14-⅝" ϕ @ ⅜" @ 6" LEVEL OF TRUSS SEATING 201-5	210-25 14-⅝" ϕ @ ⅜" @ 6" Similar to P8 etc. in all respects TRUSS SEATING 201-5	210-25 14-⅝" ϕ @ ⅜" @ 6" Similar to P8 etc. in all respects TRUSS SEATING 201-5	201-33 4-1" ϕ @ ⅜" @ 6" 183-71	196-81. 8-¾" ϕ @ ⅜" @ 6" 183-71	NONE 183-71	NONE 183-71	NONE 183-71	NONE 182-0	NONE 182-0	NONE 182-0	NONE 183-71
ART GALLERY TO MUSEUM	12-1⅛" ϕ @ ⅜" @ 6" PRACTICALLY THE SAME AS BELOW. MUSEUM 167-0	20-1⅛" ϕ @ ⅜" @ 6" CONTINUE AS BELOW TO BEAM AT TRUSS LEVEL 167-0	8-⅞" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" Loggy 167-0.	8-¾" ϕ @ ⅜" @ 6" Loggy 167-0.	8-1⅛" ϕ @ ⅜" @ 6" MUSEUM WALL R²-2.6 168-0	8-1⅛" ϕ @ ⅜" @ 6" 168-0	14-1⅛" ϕ @ ⅜" @ 6" CONTINUE AS BELOW TO TRUSS BEAM LEVEL. MUSEUM 167-0.	14-1⅛" ϕ @ ⅜" @ 6" CONTINUE AS BELOW TO TRUSS BEAM LEVEL. TOILET 172-88	14-1⅛" ϕ @ ⅜" @ 6" TOILET 172-88.	14-1⅛" ϕ @ ⅜" @ 6" SCULPTURE HALL 168-0	8-1⅛" ϕ @ ⅜" @ 6" MUSEUM HALL R² 6 168-0	8-¾" ϕ @ ⅜" @ 6" 167-0	8-1⅛" ϕ @ ⅜" @ 6" 167-0	AS BELOW MUSEUM 167-0	8-1⅛" ϕ @ ⅜" @ 6" LANDING 170-3	8-¾" ϕ @ ⅜" @ 6" BALCONY 171-73	8-¾" ϕ @ ⅜" @ 6" 171-73	8-1⅛" ϕ @ ⅜" MUSEUM 167-0.
MUSEUM TO GROUND FL	12-1⅛" ϕ @ ⅜" @ 6" R⅝ϕ AT 12" CENTRES BOTH WAYS, BOTH SIDES OF WALL MAORI HALL 162-5	20-1⅛" ϕ @ ⅜" @ 6" 155-0	8-⅞" ϕ @ ⅜" @ 6" 155-0	8-1⅛" ϕ @ ⅜" @ 6" 155-0	8-¾" ϕ @ ⅜" @ 6" 155-0	8-1⅛" ϕ @ ⅜" @ 6" VESTIBULE 153-5	8-1⅛" ϕ @ ⅜" @ 6" 153-5	14-1⅛" ϕ @ ⅜" @ 6" 153-5	14-1⅛" ϕ @ ⅜" @ 6" MAORI HALL 162-5	14-1⅛" ϕ @ ⅜" @ 6" 162-5	20-1⅛" ϕ @ ⅜" @ 6" 162-5	20-1⅛" ϕ @ ⅜" @ 6" 162-5	8-1⅛" ϕ @ ⅜" @ 6" 156-0.	8-¾" ϕ @ ⅜" @ 6" 153-5	8-1⅛" ϕ @ ⅜" @ 6" 153-5	8-1⅛" ϕ @ ⅜" @ 6" RUNS THRU 450 R.C. WALL 9 WALL BELOW STEPS 3'-5" TAIL VESTIBULE 153-5	8-1⅛" ϕ @ ⅜" @ 6" WOMENS CLOAK RM 155-0	8-1⅛" ϕ @ ⅜" @ 6" WORK RM. 155-0. MENS CLOAK RM. 157-5.	8-¾" ϕ @ ⅜" @ 6" GAIR HALL 164-5	8-¾" ϕ @ ⅜" @ 6" 164-5	8-1⅛" ϕ @ ⅜" @ 6" 155-0
GROUND FL TO TOP of FOOTING Note! REDUCED LEVEL SHOWN IS TO BOTTOM OF FOOTING.	12-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-6" DEEP. 151-5.	16-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-0" DEEP 152-0	8-⅞" ϕ @ ⅜" @ 6" FOOTING 2'-9" DEEP L11. M11. 25. M25. N1. O1. N25. O25 149-75. 150-25. 149-0. 149-75.	8-1⅛" ϕ @ ⅜" @ 6" L4. L23. O4. O23. FOOTINGS 2'-3" DEEP M4. M23. N4. N23. FOOTINGS 2'-1" DEEP L4. M4. O4. L23. M23. O23. N23. O23. 151-5 152-0	8-¾" ϕ @ ⅜" @ 6" FOOTING 2'-6" DEEP. L5. M5. N5. O5. L22. M22. N22. O22. 151-5 152-0	8-1⅛" ϕ @ ⅜" @ 6" FOOTING 3'-0" DEEP P2. FOOTING 149-0. P24 FOOTING 149-15.	8-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-2" DEEP 150-5	14-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-6" DEEP P4 FOOTING 150-8. P21 " 152-0.	14-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-0" DEEP 154-0	20-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-0" DEEP 152-0	20-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-0" DEEP 152-0	8-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-2" DEEP 154-0	8-¾" ϕ @ ⅜" @ 6" FOOTING 3'-0" DEEP 146-66	8-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-0" DEEP 149-66	8-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-6" DEEP 152-0	8-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-6" DEEP 152-0	8-¾" ϕ @ ⅜" @ 6" FOOTING 2'-6" DEEP 152-0	8-¾" ϕ @ ⅜" @ 6" FOOTING 2'-6" DEEP 152-0	8-1⅛" ϕ @ ⅜" @ 6" FOOTING 2'-6" DEEP 152-0

INDICATIONS

FOR LOCATION OF COLUMNS ACCORDING TO NUMBERS SEE FOUNDATION PLANS, DRAWINGS NOS. 23 & 24.

Note! ALL REDUCED LEVELS SHOWN ARE TO BE VERIFIED BY THE CONTRACTOR WHO SHALL BECOME RESPONSIBLE FOR ACCURACY.

Drawn By L.M.W.
Traced By L.M.W.
Checked By C.R.E.
Date

NATIONAL ART GALLERY AND DOMINION MUSEUM WELLINGTON

RECEIVED 30 JUN 1932 DEPT. OF LANDS WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

SCALE: ONE QUARTER INCH = ONE FOOT.

COLUMN DETAILS (SEE ALSO DRAWING NO 35)

CONTRACT No. 211

DRAWING No. 34.

COLUMN NUMBER	R21.	R22 & R23	R24.	S2. U2. W2.	S4 & S5	S7.	S8 & S20	S10. S18. W10. W18.	S11. S17. W11. W17.	S12. S16. W12. W16.	S13. S15. W13. W15	S21.	S22.	S23	S24 & U24.	U3. U5. W3. W6	U7	T11. T17. V11. V17.	T12. T16. V12. V16.	U21.
ROOF TO ART GALLERY.	NONE.	NONE.	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	4-1"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	NONE	6-¾"ϕ @ 6"	4-1"ϕ @ 6"	8-¾"ϕ @ 6"	4-1"ϕ @ 6"	4-1"ϕ @ 6"	8-¾"ϕ @ 6"	NONE	8-¾"ϕ @ 6"	NONE.	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"
ART GALLERY TO MUSEUM	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅞"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅞"ϕ @ 6"	8-¾"ϕ @ 6"	NONE	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-⅝"ϕ @ 6"	NONE	8-⅞"ϕ @ 6"	NONE.	8-¾"ϕ @ 6"	8-⅛"ϕ @ 6"
MUSEUM TO GROUND FL.	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅞"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅞"ϕ @ 6"	8-¾"ϕ @ 6"	4-⅝"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-⅝"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-⅞"ϕ @ 6"	4-⅝"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅞"ϕ @ 6"
GROUND FL. TO TOP OF FOOTING. Note! REDUCED LEVEL SHOWN IS TO BOTTOM OF FOOTING.	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅞"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅞"ϕ @ 6"	8-¾"ϕ @ 6"	4-⅝"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-⅞"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-⅞"ϕ @ 6"	4-⅝"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅞"ϕ @ 6"
	FOOTING 2'-6" DEEP	FOOTING 2'-1" DEEP	FOOTING 3'-0" DEEP	FOOTING 3'-0" DEEP	FOOTING 2'-2" DEEP	FOOTING 3'-0" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 1'-0" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-2" DEEP	FOOTING 2'-2" DEEP	FOOTING 3'-0" DEEP	FOOTING 3'-0" DEEP	FOOTING 3'-0" DEEP	FOOTING 1'-0" DEEP	FOOTING 2'-6" DEEP	FOOTING 3'-0" DEEP
	151.0.	151.92.	149.00.	147.0.	147.5.	147.5.	152.0.	152.0.	152.0.	152.0.	152.0.	152.0.	151.83.	152.0.	149.0.	144.5.	144.5.	152.0.	151.0.	151.0.

COLUMN NUMBER.	U22 & U23	W7.	W8	W9. W19. W20.	W21.	W22.	W23	W 24	X2.	X3 & X6.	U4. U5. W4. W5. X4. X5	X7.	X10. & X18.	X12. & X16.	X13. & X15.	X 21	X 22	X 23.	X 24.	Y2.
ROOF TO ART GALLERY	NONE	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅝"ϕ @ 6"	4-1"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	NONE	NONE	8-¾"ϕ @ 6"	NONE	NONE	NONE	8-¾"ϕ @ 6"	NONE	8-⅝"ϕ @ 6"	8-¾"ϕ @ 6"	AS BELOW
ART GALLERY TO MUSEUM	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	AS BELOW	AS BELOW	4-1"ϕ @ 6"	AS BELOW.	AS BELOW	AS BELOW	NONE	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"
MUSEUM TO GROUND FL.	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"
GROUND FL. TO TOP OF FOOTING. Note! REDUCED LEVEL SHOWN IS TO BOTTOM OF FOOTING.	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-⅞"ϕ @ 6"	8-⅞"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"
	FOOTING 2'-0" DEEP	FOOTING 3'-0" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 1'-11" DEEP	FOOTING 1'-11" DEEP	FOOTING 3'-0" DEEP	FOOTING 3'-0" DEEP	FOOTING 3'-0" DEEP	FOOTING 3'-0" DEEP	NONE.	FOOTING 3'-0" DEEP	FOOTING 1'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 1'-11" DEEP	FOOTING 3'-9" DEEP	FOOTING 4'-6" DEEP
	152.0.	144.5.	146.0.	124.0.	152.0.	152.0.	149.08.	148.25.	144.5.	144.5.		144.5.	152.0.	152.0.	152.0.	152.0.	152.0.	149.08.	147.50.	146.5.

COLUMN NUMBER.	Y3. & Y6.	Y7.	Y8	Y9 & Y19.	Y11 & Y17	Y13 & Y15	Y10. & Y18.	Y20	Y21	Y22 & Y23.	Y 24.	Z 7.	Z 8.	Z9, Z10, Z12, Z13, Z15 Z16, Z18, Z19.	Z20	Z 21.	MAORI HOUSE FL. PIERS	MAORI HALL FL. PIERS	ENTRANCE FL. PIERS
ROOF TO ART GALLERY	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	NONE	NONE	NONE	NONE	NONE.	NONE	8-¾"ϕ @ 6"	AS BELOW	8-¾"ϕ @ 6"	AS BELOW	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	AS BELOW			
ART GALLERY TO MUSEUM	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	10-¾"ϕ @ 6"	10-¾"ϕ @ 6"	10-¾"ϕ @ 6"	10-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1⅛"ϕ @ 6"	8-¾"ϕ @ 6"	AS BELOW	AS BELOW	AS BELOW	AS BELOW	AS BELOW			
MUSEUM TO GROUND FL.	8-1⅛"ϕ @ 6"	10-¾"ϕ @ 6"	8-¾"ϕ @ 6"	10-¾"ϕ @ 6"	10-¾"ϕ @ 6"	10-¾"ϕ @ 6"	10-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1¼"ϕ @ 6"	10-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"			
GROUND FL. TO TOP OF FOOTING. Note! REDUCED LEVEL SHOWN IS TO BOTTOM OF FOOTING.	8-1⅛"ϕ @ 6"	10-¾"ϕ @ 6"	8-¾"ϕ @ 6"	10-¾"ϕ @ 6"	10-¾"ϕ @ 6"	10-¾"ϕ @ 6"	10-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-1¼"ϕ @ 6"	10-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	8-¾"ϕ @ 6"	4-⅝"ϕ @ 4"	4-⅝"ϕ @ 3"	4-⅝"ϕ @ 3"
	FOOTING 3'-0" DEEP	FOOTING 4'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 1'-6" DEEP	FOOTING 1'-6" DEEP	FOOTING 1'-6" DEEP	FOOTING 1'-6" DEEP	FOOTING 1'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-8" DEEP	FOOTING 3'-3" DEEP	FOOTING 2'-6" DEEP	FOOTING 2'-6" DEEP	FOOTING 1'-9" DEEP	FOOTING 4'-9" DEEP	FOOTING 2'-6" DEEP	FOOTING 1'-0" DEEP	FOOTING 1'-0" DEEP	FOOTING 12" DEEP
	146.0	144.5.	146.0.	152.0.	152.0.	152.0.	152.0.	152.0.	152.0.	152.0.	147.25.	144.0.	144.0.	152.0.	149.0.	149.0.	152.0.	152.0.	152.0.

MAORI HOUSE FL. PIERS: LIGHT COURT 155.0.
MAORI HALL FL. PIERS: GROUND 155.0.
ENTRANCE ETC. PIERS: GROUND 155.0.

GENERAL NOTES

LAP:- LAP ALL COL. REINF. NOT LESS THAN 24 DIA. OF THE LOWER RODS

HOOPS:- SHALL BE WIRED TO VERT. REINF. AT ALL INTERSECTIONS.

REINF:- ALL REINF. SHOWN TO COLS. ON THESE COL. SHEETS SHALL BE IN ADDITION TO THAT SPECIFIED TO WALLS

WALLS & GABLES: 12" REINF. WITH ⅝"@ 12" BOTH WAYS BOTH FACES LAP REINF. AT NOT LESS THAN 40 DIA.;
9" AS FOR 12" WALLS.
8" DITTO.
6" DITTO. (ANY OTHER WALLS ABOVE 4" IN THICKNESS AS FOR 12" WALLS)
4" ⅜"@12" BOTH WAYS ON CENTRE, LAPS ABOVE WALLS LESS THAN 4", DITTO UNLESS OTHERWISE SPECIFIED.
ALL HORIZONTAL WALL REINF. SHALL WHERE POSSIBLE PASS THRO. COLUMNS – WHERE IMPRACTICAL, BOND REINF. INTO COLS NOT LESS THAN 12". OR HOOK TO VERT. COL. REINFORCEMENT.

BINDING:- BIND ALL LAPS IN VERTICAL REINF. WITH No 16 B.W.G. BINDING WIRE AT 12 LAPS PER FOOT R.U.N.

Note! REDUCED LEVEL OF COLUMN IS TO BOTTOM OF FOOTING.

Note! REDUCED LEVEL OF WALL IS TO BOTTOM OF FOOTING.

Note! THIS REINF. IS IN ADDITION TO WALL REINF. COL. CARRIED ON BEAM.

Note! ALL REDUCED LEVELS SHOWN ARE TO BE VERIFIED BY THE CONTRACTOR, WHO SHALL BECOME RESPONSIBLE FOR THEIR ACCURACY.

INDICATIONS

FOR LOCATION OF COLUMNS ACCORDING TO NUMBERS SEE FOUNDATION PLANS DRAWINGS No 23 & 24.

NOTE! FOR LOCATION OF COLUMNS U4, U5; W4, W5, X4, X5 SEE DRAWING No 4, MUSEUM HALL No 1.

Drawn By L. M. W.
Traced By L. M. W.
Checked By C. R. F.
Date

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

Engineers Office Received 21 Nov 1932 Auckland

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

Scale: One Quarter Inch = One Foot.

Contract No. 211

Column Details.
See also Drawing No. 34

Drawing No. 35

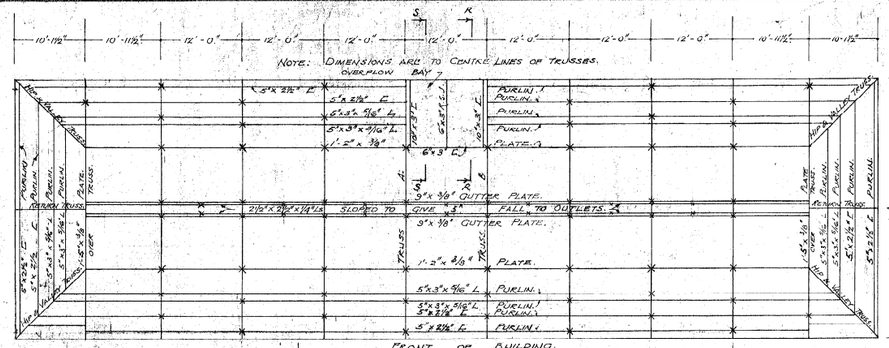
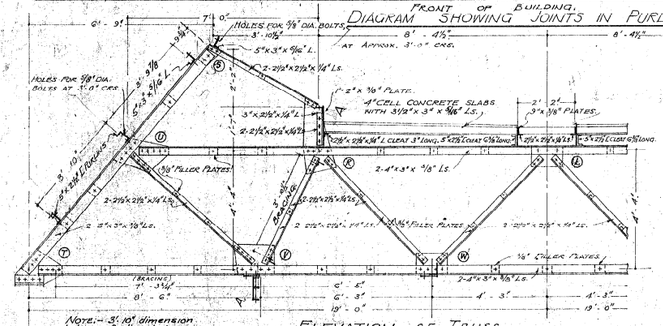
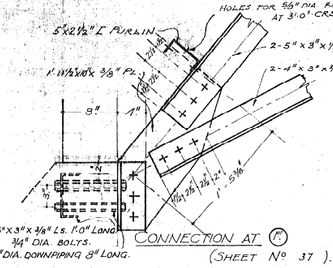


DIAGRAM SHOWING JOINTS IN PURLINS, ETC.

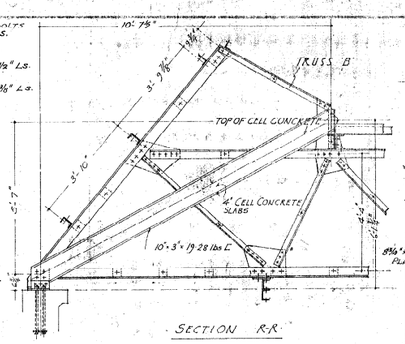


ELEVATION OF TRUSS.

Note:- 5' 10" dimension between purlins to become 2' 3⅛" on outside of roof between end truss and Hip Truss.

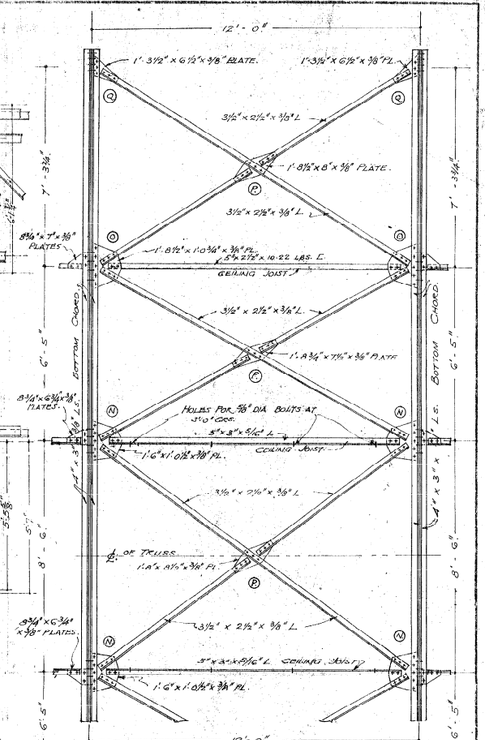


CONNECTION AT (F) (SHEET No 37).

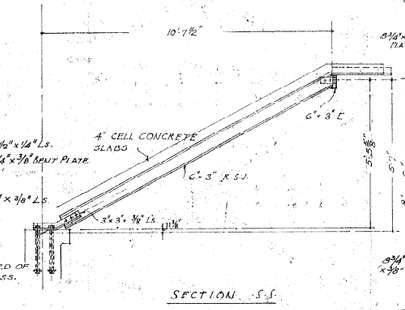


SECTION R-R

(SEE DIAGRAM SHOWING JOINTS IN PURLINS ETC)



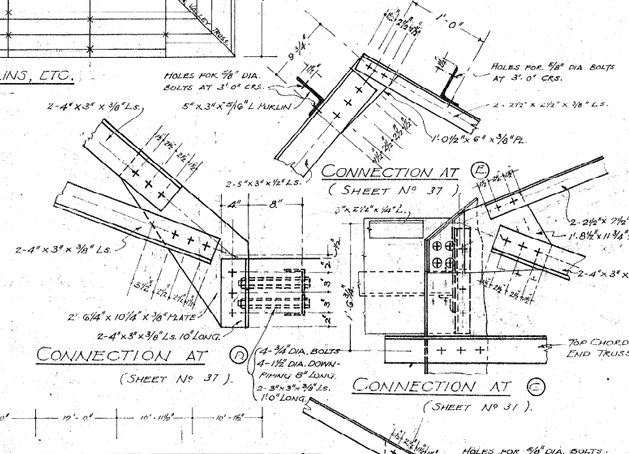
PLAN OF BRACING IN BOTTOM CHORD.



SECTION S-S

(SEE DIAGRAM SHOWING JOINTS IN PURLINS ETC)

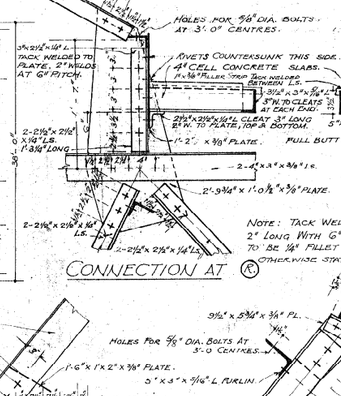
PLAN SHOWING ARRANGEMENT OF Ls, SLABS, ETC.



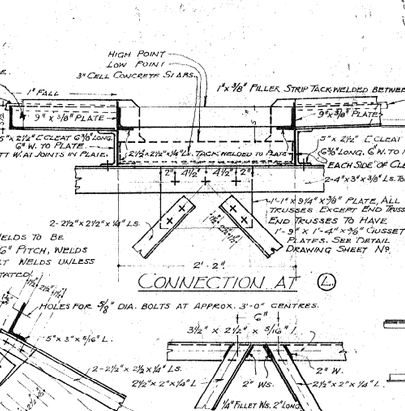
CONNECTION AT (E) (SHEET No 37).

CONNECTION AT (D) (SHEET No 37).

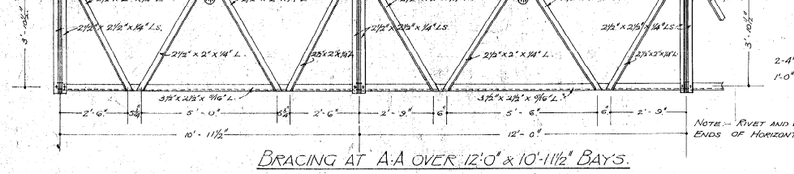
CONNECTION AT (R)



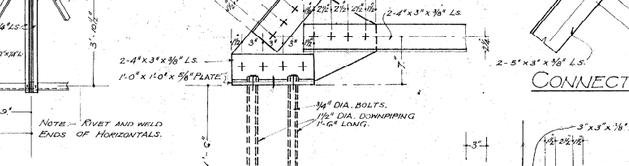
CONNECTION AT (K)



CONNECTION AT (L)



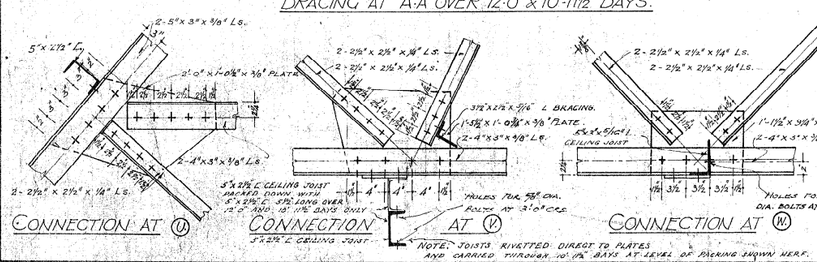
BRACING AT A-A OVER 12'-0" & 10'-11½" BAYS.



CONNECTION AT (S)

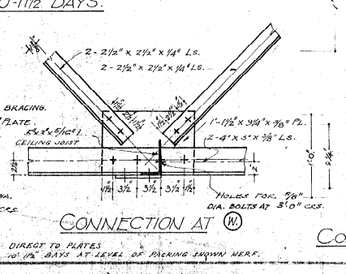


CONNECTION AT (M)



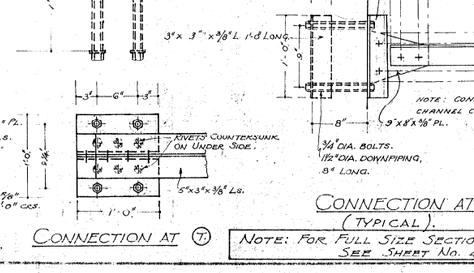
CONNECTION AT (U)

CONNECTION AT (V)



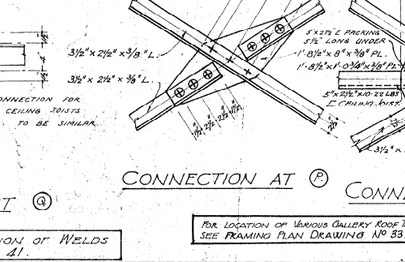
CONNECTION AT (M)

NOTE: JOISTS RIVETTED DIRECT TO PLATES AND CARRIED THROUGH, 10'-0" BAYS AT LEVEL OF FRAMING SHOWN HERE.



CONNECTION AT (T)

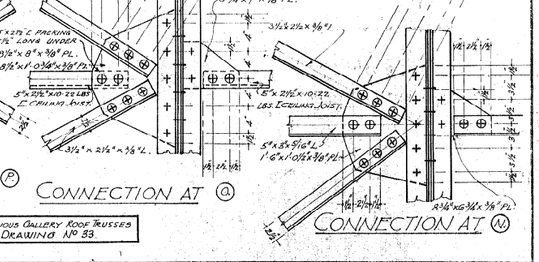
NOTE: FOR FULL SIZE SECTION OF WELDS SEE SHEET No. 41



CONNECTION AT (Q) (TYPICAL).

CONNECTION AT (P)

FOR LOCATION OF VARIOUS GALLERY ROOF TRUSSES SEE FRAMING PLAN DRAWING No 33.



CONNECTION AT (A)

CONNECTION AT (N)

INDICATIONS

SHOP RIVETS +
FIELD RIVETS ⊕
RIVETS C.S.K. OTHER SIDE ◒

Drawn By J.J.B.
Traced By K.R.S.
Checked By C.R.F.
Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

N.Z. ENGINEER'S DEPARTMENT RECEIVED 24 NOV 1932 HARBOUR ST. WELLINGTON

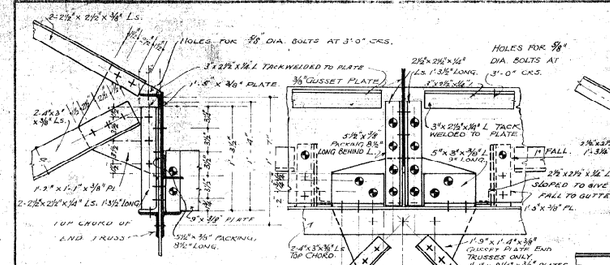
GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

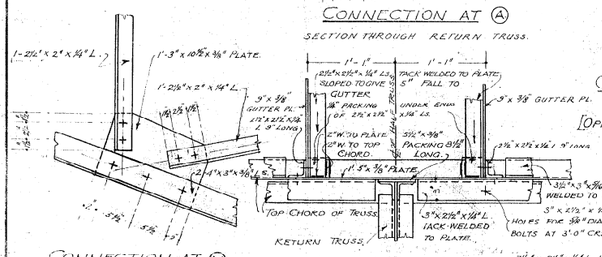
SCALE: 1/8", 1/2", 1" = ONE FOOT

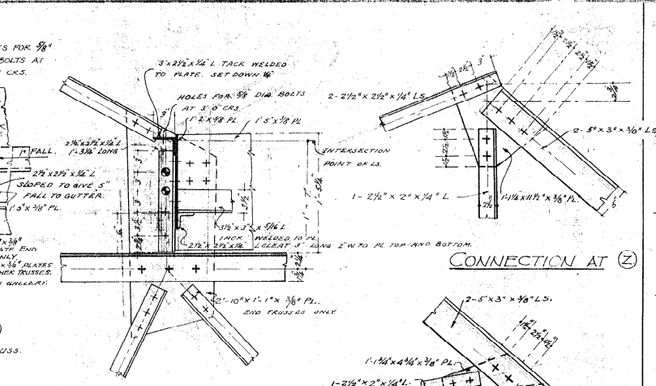
ROOF OVER NEW ZEALAND ACADEMY GALLERY.
SEE ALSO DRAWINGS No 37, 38 AND 39.

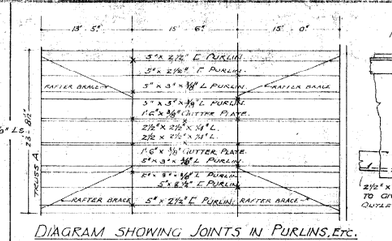
CONTRACT No. 214

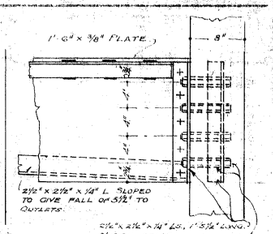
DRAWING No. 36.

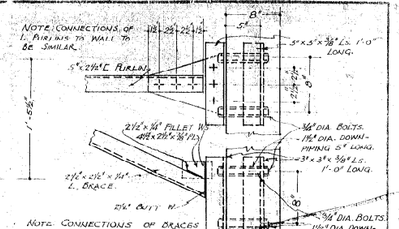


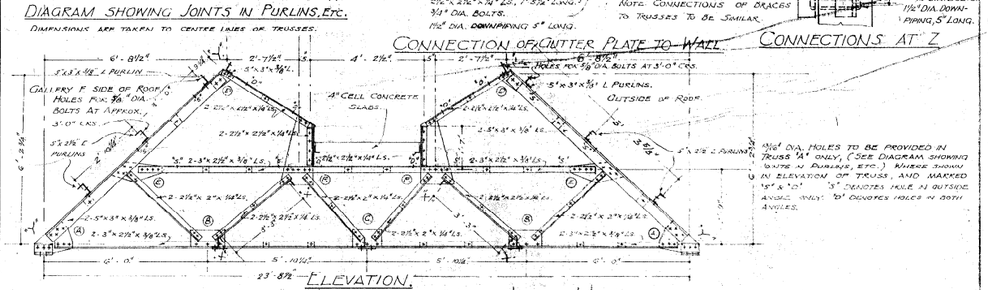


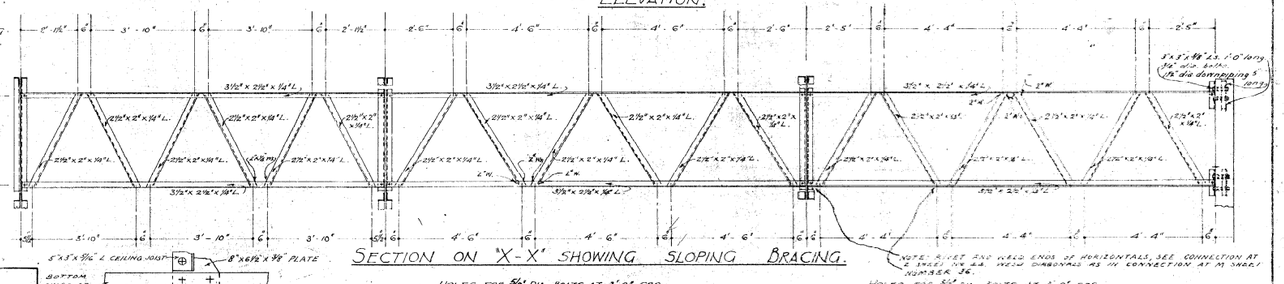


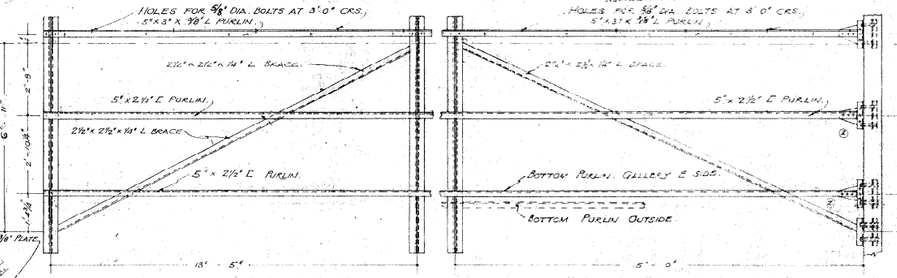


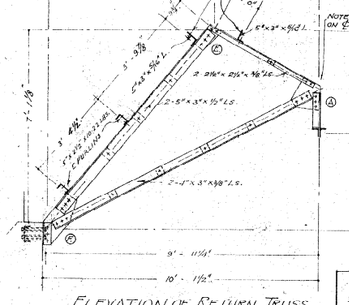


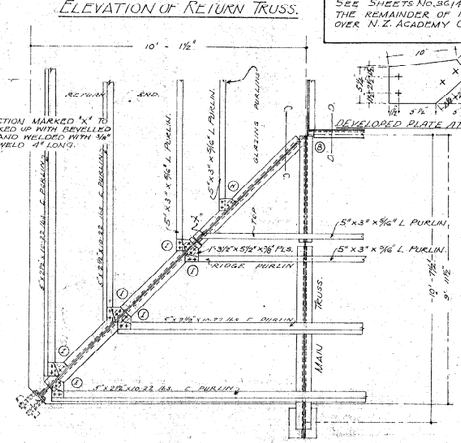


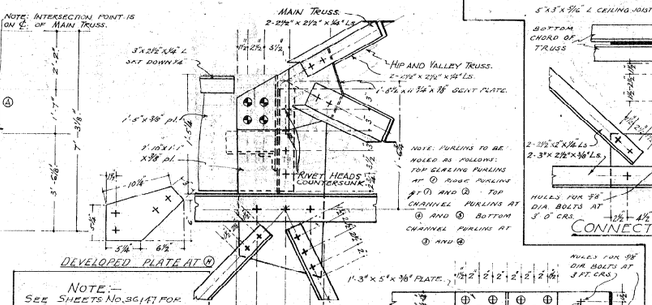


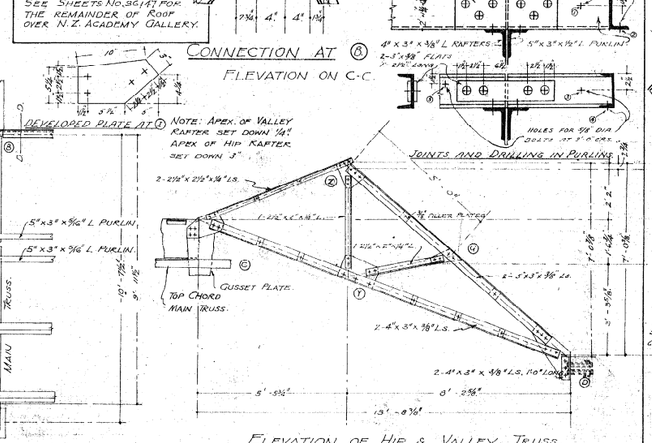


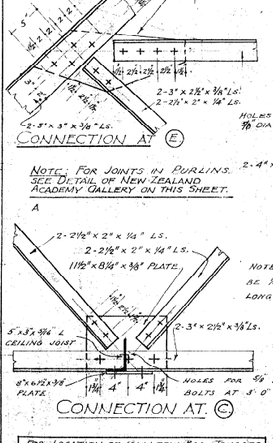


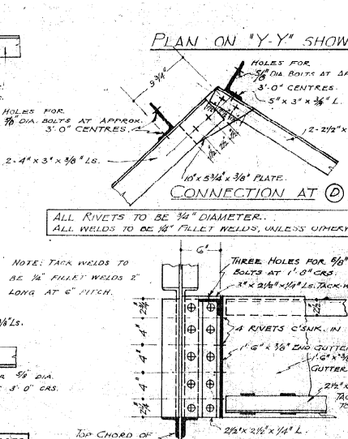


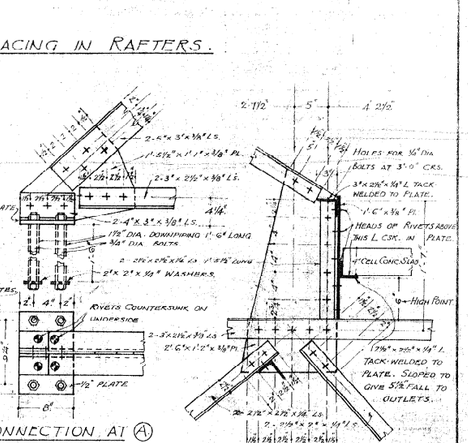












Note: For Full Size Section of Welds See Sheet No. 41.

Note: All welds ¼" fillet welds. Tack welds to be 2" long at 6" pitch.

Note:— See Sheets No. 36, 47 for the remainder of roof over N.Z. Academy Gallery.

Indications	
Shop Rivets	+
Field Rivets	⊕
Rivets c'sk. this side	●
Rivets c'sk. other side	●

Drawn By J.J.B.
Traced By R.R.S.
Checked By C.P.A.
Date 18.11.31
Revised 26.9.32.

National Art Gallery and Dominion Museum
Wellington

Engineer's Branch Received 23 Nov 1932 Lambton Quay Wellington

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

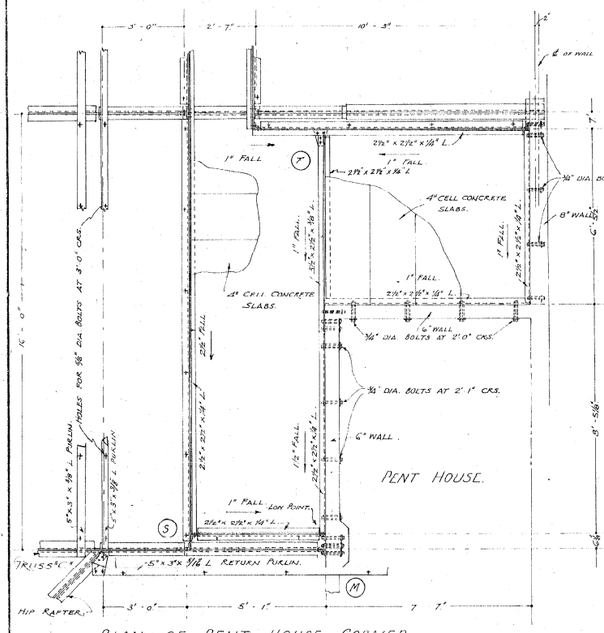
Scale: 1/8", 1/2", & 1½" = One Foot.

Roofs over Gallery "G" and N.Z. Academy Gallery. (See also drawings No. 36 and 47)

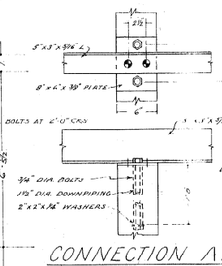
Contract No. 211

Drawing No. 37.

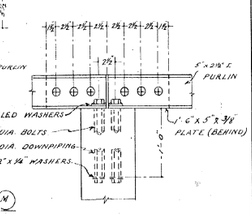
NOTE: FOR FULL SIZE SECTION OF WELDS SEE SHEET No. 41.



PLAN OF PENT HOUSE CORNER

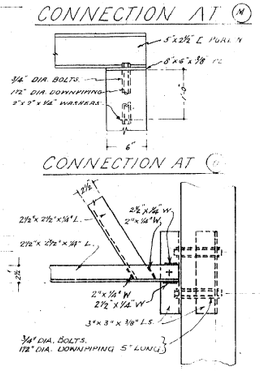


CONNECTION AT (N)



CONNECTION AT (Q)

NOTE:- CONNECTIONS AT N AND R ARE SIMILAR TO CONNECTION AT M. (SEE DIAGRAM SHOWING POINTS IN PURLINS ETC., SHEET No 39) FOR CONNECTION AT M SEE ROOF OVER GALLERY B — CONNECTION AT N SHEET No 42



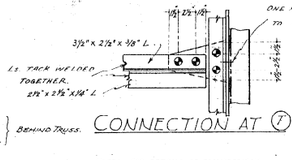
CONNECTION AT (C)

NOTE - ALL RIVETS 3/4" DIA.

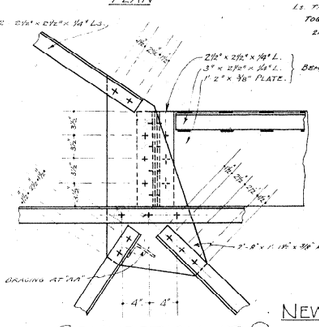
CONNECTION AT (S)
PLAN

CONNECTION AT (W)

NOTE:- RIVET AND WELD ENDS OF HORIZONTALS.



CONNECTION AT (T)

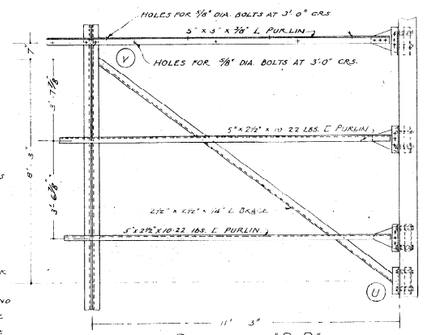


NOTE:- FOR DETAILS OF CONNECTIONS AT U AND V SEE SIMILAR CONNECTION AN ROOF OVER GALLERY G — CONNECTION AT Z SHEET No 37.

NOTE:- FOR DETAILS OF JOINTS AND DRILLING IN PURLINS SEE ROOF OVER PERMANENT COLLECTION GALLERY. SHEET Nos 38 AND 40.

NOTE:- FOR CONNECTIONS OF PURLINS TO WALLS SEE CONNECTION AT M SHEET No 40.

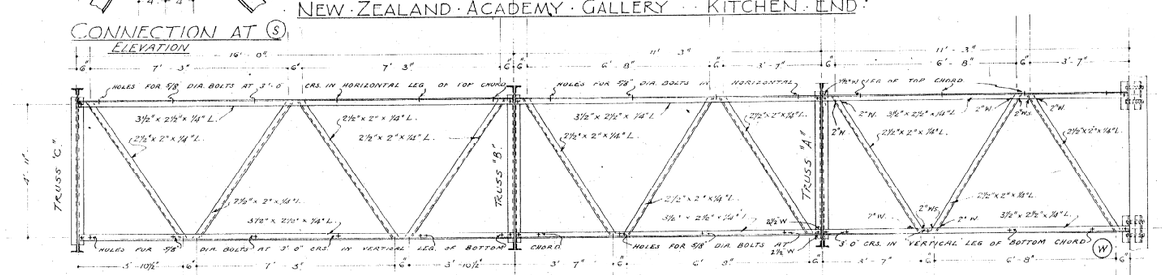
NOTE:- INCLINED BRACING OVER TWO SPANS OF 13'-8" BETWEEN TRUSS 'D' AND WALLS TO BE THE SAME AS THAT SHOWN ON THE PERMANENT COLLECTION GALLERY.— INCLINED BRACING ON 'B'.



PLAN ON "D-D"
SHOWING BRACING IN RAFTERS

NEW ZEALAND ACADEMY GALLERY — KITCHEN END.

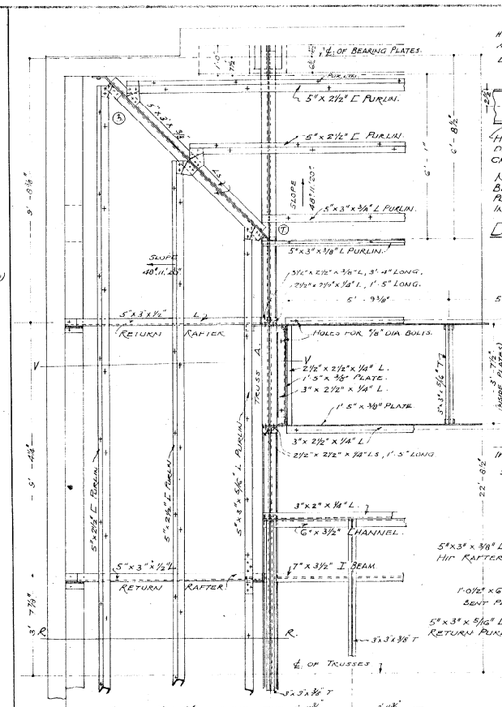
CONNECTION AT (S)
ELEVATION

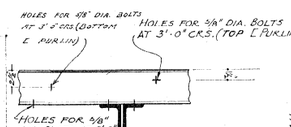


ELEVATION OF BRACING AT "A-A"

NOTE: BRACING AT 13'-8" TO EXTEND OVER 11'-3" SPANS ONLY

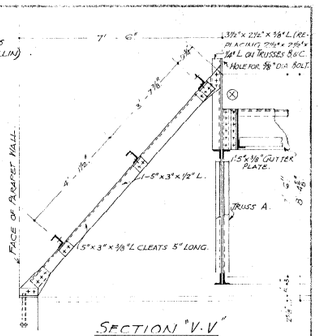
FOR LOCATION OF GALLERY ROOF TRUSSES SEE FRAMING PLAN DRAWING No. 35

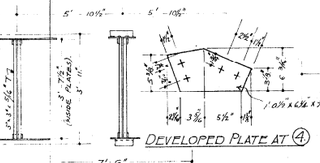


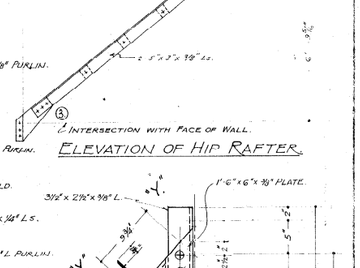


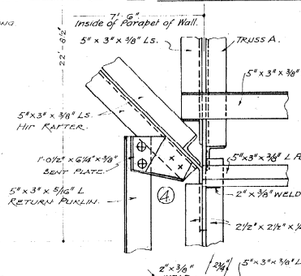
NOTE: DRILLING OF RIDGE PURLINS TO BE THE SAME AS THAT OF TOP CHANNEL PURLINS. GLAZING PURLINS TO HAVE HOLES IN 5" LEG ONLY.

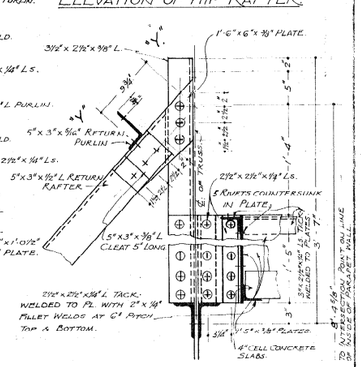
DETAIL SHOWING DRILLING OF PURLINS.

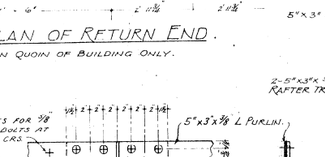






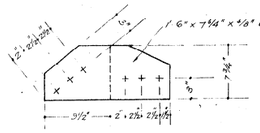




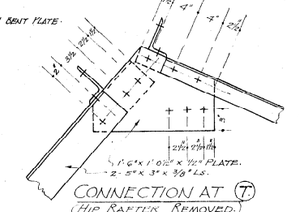


DETAIL OF JOINT IN ANGLE PURLINS

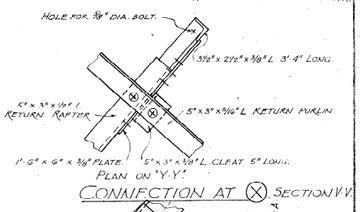
CONNECTION AT (T)



DEVELOPED PLATE (HIP RAFTER TO TRUSS).

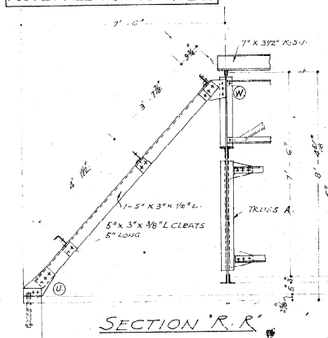


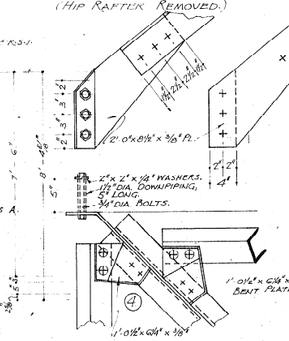
CONNECTION AT (T)
(HIP RAFTER REMOVED).

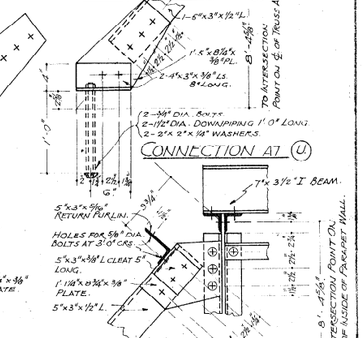


CONNECTION AT (X) SECTION V-V

NOTE: ALL RIVETS 3/4" DIA

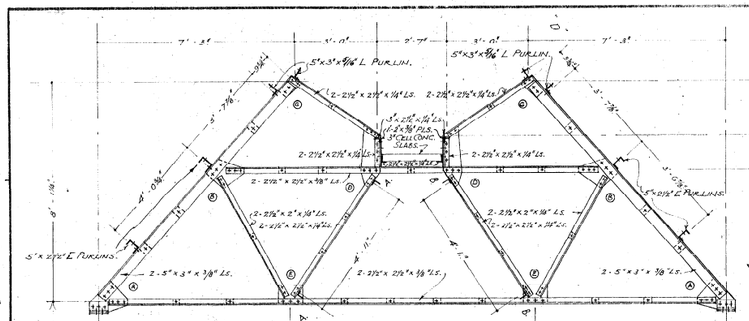






INDICATIONS		DRAWN BY	J. J. B.	NATIONAL ART GALLERY AND DOMINION MUSEUM WELLINGTON	GUMMER & FORD ARCHITECTS STRUCTURAL ENGINEERS AUCKLAND & WELLINGTON	SCALE: 1/2" & 1 1/2" = ONE FOOT.	CONTRACT No 211
SHOP RIVETS :	+	TRACED BY	R. R. S.			DETAILS OF ROOFS OVER PERMANENT COLLECTION GALLERY. (SEE ALSO SHEET No 40) AND N.Z. ACADEMY GALLERY (KITCHEN END.).	DRAWING No 38.
FIELD RIVETS :	⊕	CHECKED BY	C. H. J.				
RIVETS C.S.K. THIS SIDE	◒	DATE	18-11-31				
RIVETS C.S.K. OTHER SIDE.	◓						

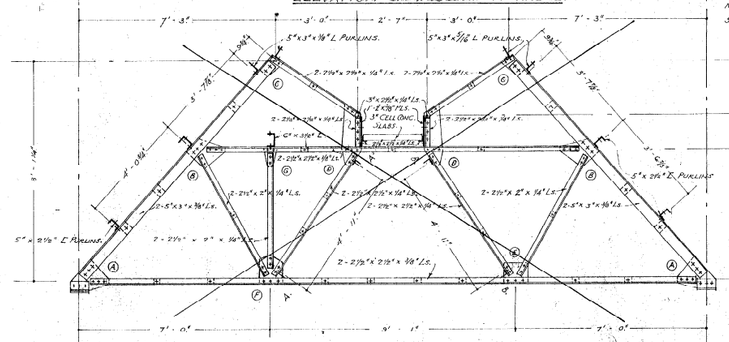
CIVIL ENGINEER'S DEPARTMENT RECEIVED 23 NOV 1932 BOWEN ST., WELLINGTON



ELEVATION OF TRUSSES 'A' AND 'B'.

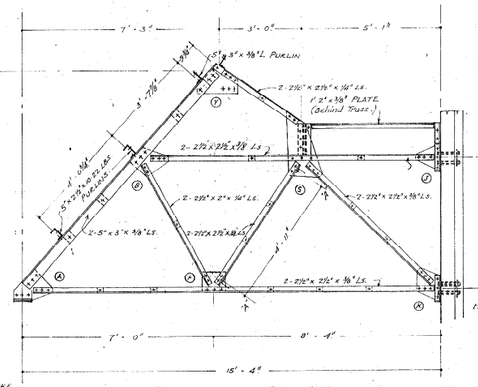
NOTE: PURLINS SHOWN IN SECTION FOR CLARITY.

NOTE: TRUSS "B" IS THE SAME AS TRUSS "A".



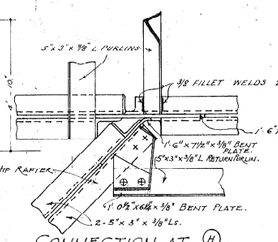
ELEVATION OF TRUSS 'B'.

NOTE: TRUSS "D" IS THE SAME AS TRUSS "B", PERMANENT COLLECTION GALLERY.

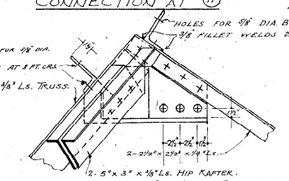


ELEVATION OF TRUSS 'C'
(Hip Rafter removed).

NOTE: FOR FULL SIZE SECTION OF WELDS SEE SHEET No. 41.

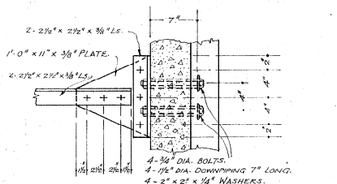


CONNECTION AT (H)

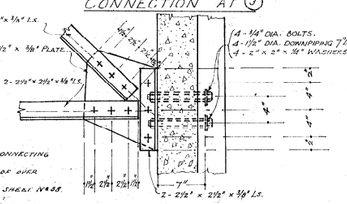


DETAIL OF HIP RAFTER CONNECTION.
(Return Purlin Removed for Clarity.)

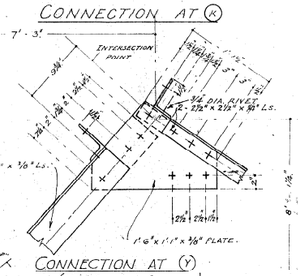
NOTE: FOR DEVELOPED PLATES CONNECTING PURLINS TO HIP RAFTER SEE ROOF OVER PERMANENT COLLECTION GALLERY, SHEET No 38.



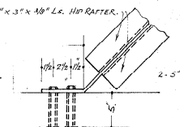
CONNECTION AT (J)

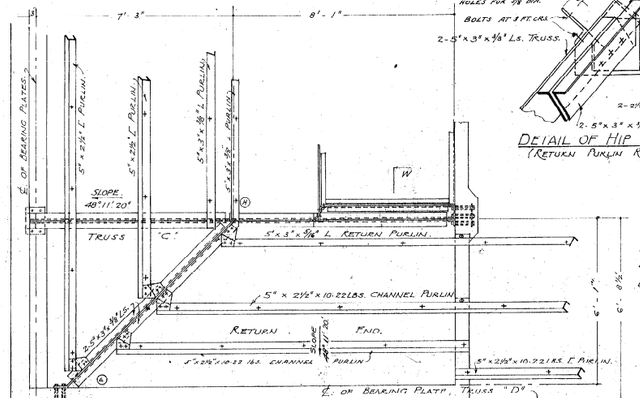


CONNECTION AT (K)

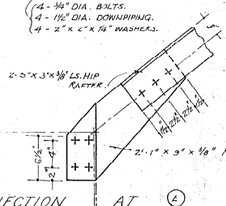


CONNECTION AT (Y)
(Hip Rafter Removed.)



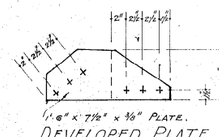


NOTE:- 3'-7½" DIMENSION BETWEEN PURLINS ON GALLERY 'T' BECOMES 2'-0½" ON SECTION THROUGH WW.



CONNECTION AT (L)

NOTE: ALL RIVETS ¾" DIA.
ALL WELDS ¼" FILLET WELDS.



DEVELOPED PLATE HIP RAFTER TO TRUSS.

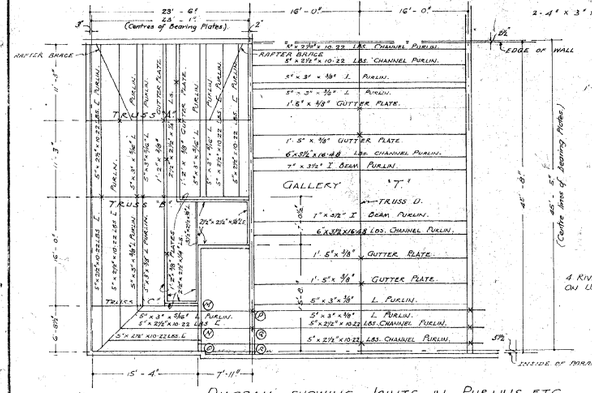
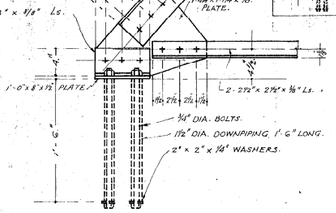
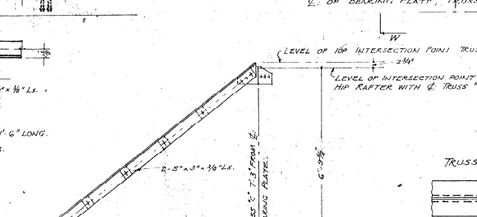
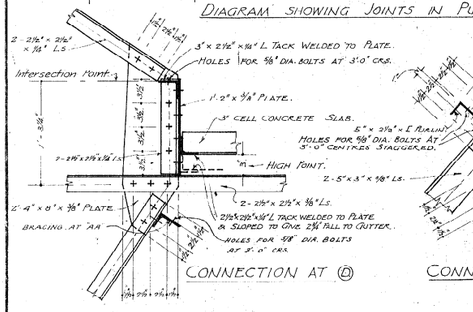


DIAGRAM SHOWING JOINTS IN PURLINS, ETC.

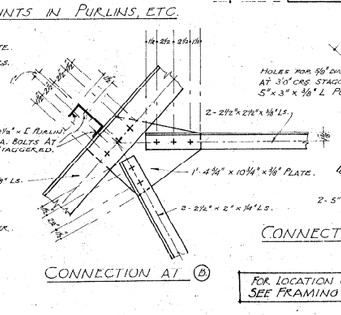


CONNECTION AT (A)

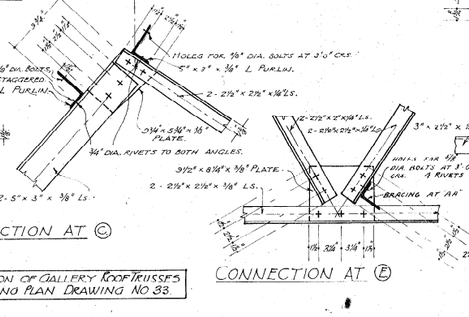




CONNECTION AT (D)



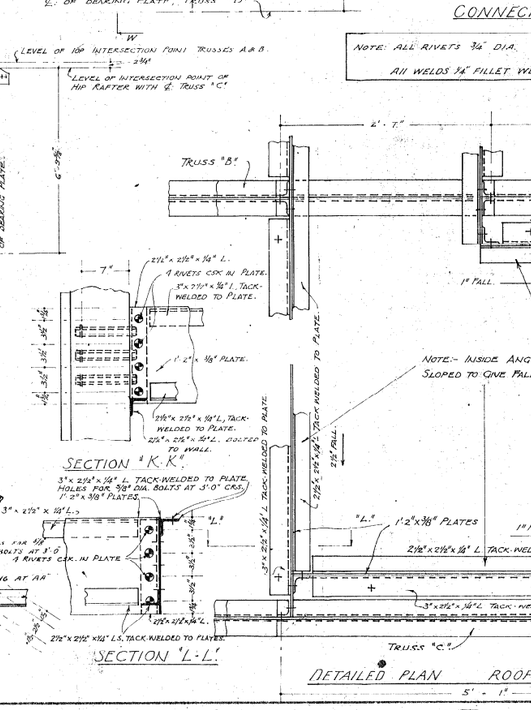
CONNECTION AT (B)



CONNECTION AT (C)

CONNECTION AT (E)

For Location of Gallery Roof Trusses See Framing Plan Drawing No 33.



INDICATIONS	
Shop Rivets	+
Field Rivets	⊕
Rivets ctsk. this side.	◐
Rivets ctsk. other side.	◑

Drawn By J.J.B.
Traced By R.R.S.
Checked By C.R.F.
Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

City Engineer's Department Received 24 Nov 1932 Dowse St., Wellington

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

Scale: 1/8", ½" & 1½" = One Foot

Detail of Roof over N.Z. Academy Gallery, Kitchen, End of Gallery. (See also Drawings No 36, 37 & 38)

Contract No. 211

Drawing No. 39.

Note Ⓥ All spaces except where Hip Rafter connects are as shown. For Connection of Hip Rafter see detail.

Ⓧ 2 - 2½" x 2½" x 5/16" L.s. on thickness (8½") to be replaced by 1 - 2½" x 2½" x 5/16" L. on inside 1'-5" long & 1 - 3½" x 2½" x 5/16" L. on outside 3'-4" long on both sides of truss 'A'. See Detail.

ELEVATION OF TRUSS.

DIAGRAM SHOWING JOINTS IN PURLINS, ETC.

CONNECTION OF GUTTER PLATE TO 8" END WALL

CONNECTION OF I-BEAM TO 8" PARAPET WALL.

CONNECTION OF CHANNEL BEAM TO 8" END WALL.

CONNECTION AT Q

CONNECTION AT C.

CONNECTION AT E.

VERTICAL BRACING ON "A-A" OVER 2 - 16'-0" & 15'-8" SPANS.

NOTE:- HOLES FOR ⅝" DIA. PARTITION RODS TO BE PROVIDED IN HORIZONTAL LEGS OF BOTH ANGLES OF BOTTOM CHORD OF TRUSS 'B' ONLY, AT POSITIONS MARKED 'x'. HOLES FOR ⅝" DIA. PARTITION RODS TO BE PROVIDED IN HORIZONTAL LEGS OF BOTH ANGLES OF BOTTOM CHORD OF ALL TRUSSES AT POSITION MARKED 'S'

CONNECTION AT D.

CONNECTION AT F.

CONNECTION AT G.

CONNECTION AT GUTTER H (SHOWING HIGH POINT.)

JOINTS IN T BEAMS.

NOTE! TACK WELDS TO BE ⅛" FILLET WELDS 2" LONG TOP & BOTTOM.

CONNECTION AT X

· NOTE · FOR · REMAINDER · OF · PERMANENT · COLLECTION · GALLERY · ROOF · SEE · SHEET · No · 38.

DETAIL OF JOINT IN CHANNEL PURLINS.

CONNECTION AT I.

TYPICAL TYPE OF CONNECTION OF CEILING JOISTS TO MAIN TRUSS

CONNECTION AT P.

CONNECTION AT N.

CONNECTION AT O.

CONNECTION AT J.

CONNECTION AT L.

CONNECTION AT K.

NOTE: FOR FULL SIZE SECTION OF WELDS SEE SHEET No. 41.

FOR LOCATION OF GALLERY ROOF TRUSSES SEE FRAMING PLAN, DRAWING No. 33

CONNECTION AT M.

NOTE! HOLES FOR ⅝" DIA. BOLTS TO BE PROVIDED IN UPRIGHT LEGS OF ANGES TO INCLINED BRACING, WHERE MARKED 'S'.

INCLINED BRACING ON "B-B" OVER 16'-0" AND 15'-8" SPANS.

INDICATIONS
- SHOP RIVETS: +
- FIELD RIVETS: ⊕
- RIVETS C.S.K. ON OTHER SIDE: ◒
- RIVETS C.S.K. ON THIS SIDE: ◓

Drawn By J.J.B.
Traced By R.R.S.
Checked By C.R.A.
Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

PUBLIC WORKS ENGINEER'S DEPARTMENT RECEIVED 21 NOV 1932 WELLINGTON

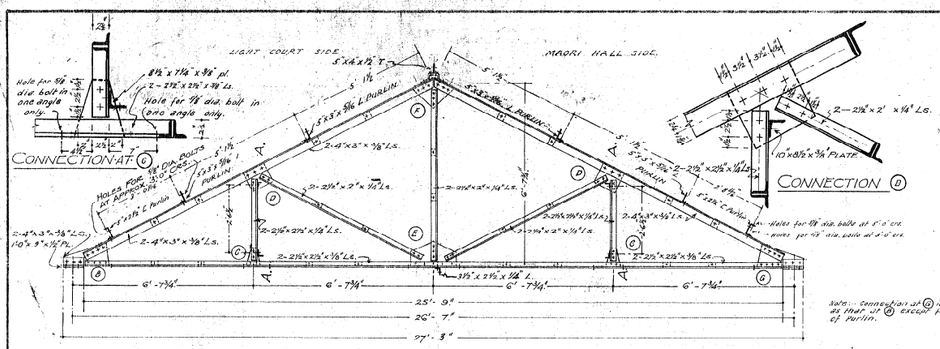
Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

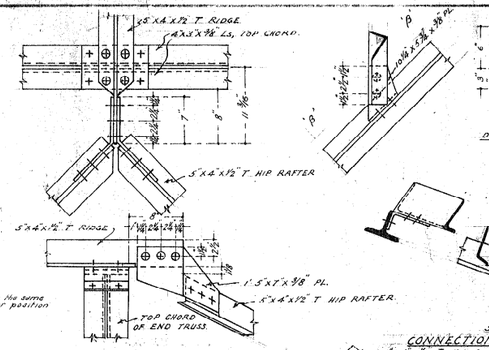
Scale: 1/8, 1/2", 1½" = One Foot.

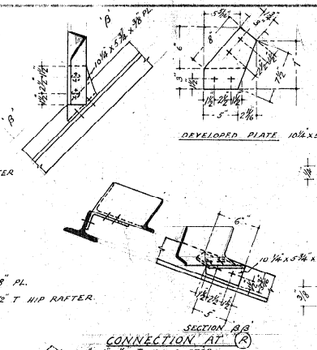
Contract No. 211

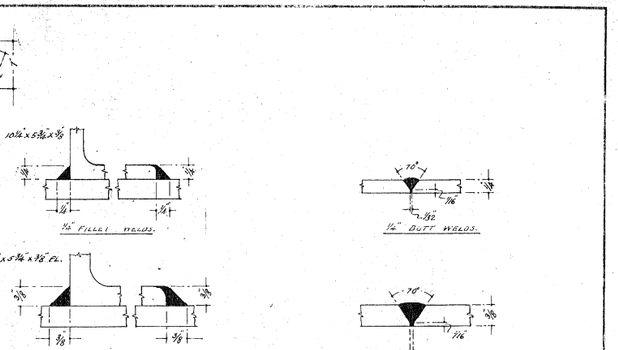
Permanent Collection Gallery and Gallery 'T'
(For Remainder of Roof See Sheet 38.)

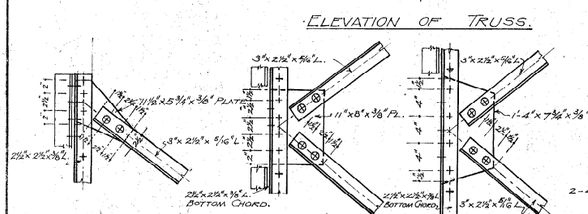
Drawing No. 40.

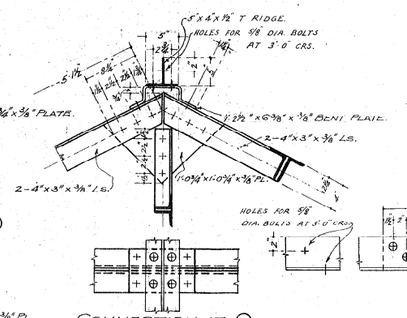


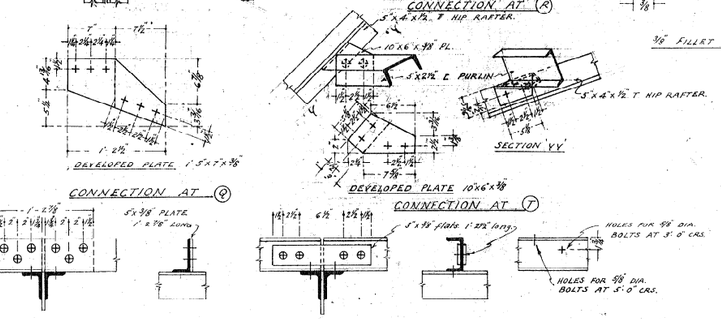


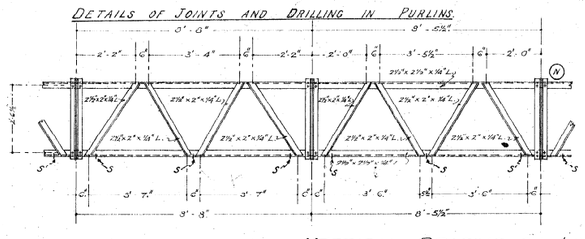


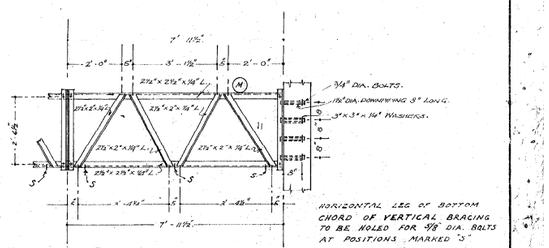


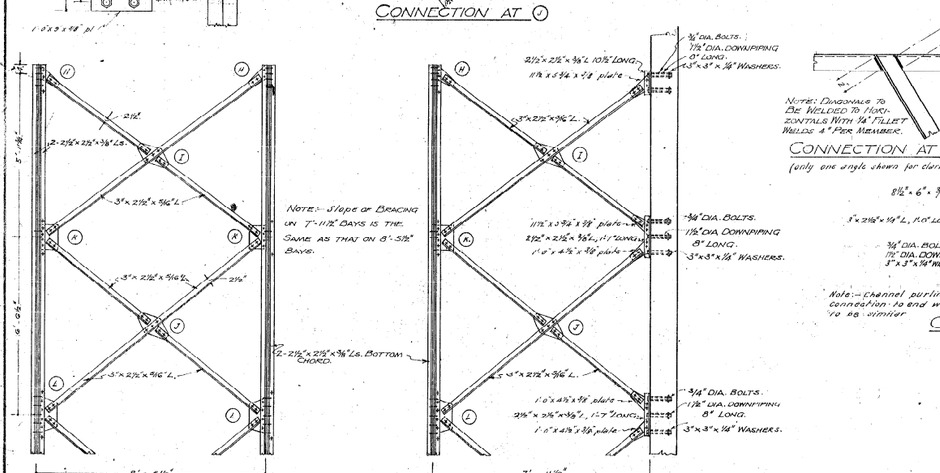


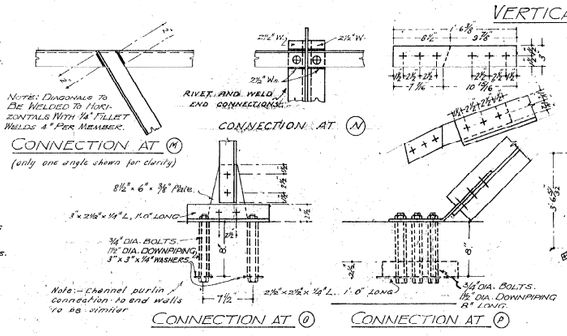


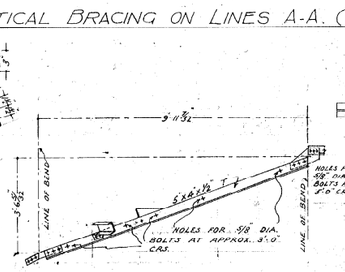


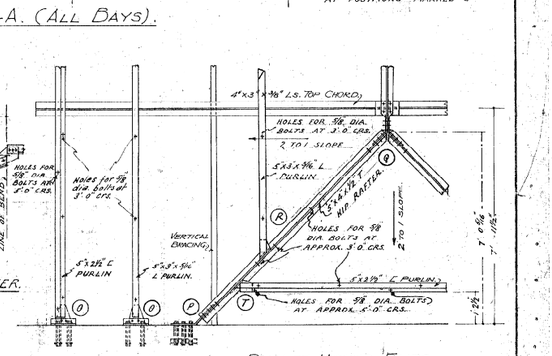


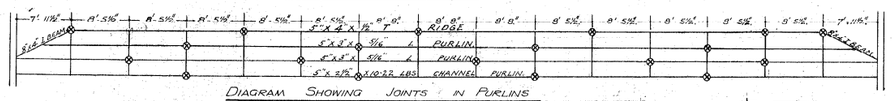


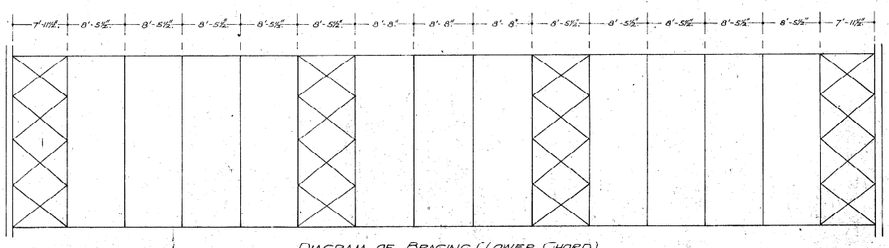












For location of Gallery Roof Trusses see Framing Plan Drawing No. 38.

INDICATIONS

Shop rivets and bolt holes. ⊕
Field rivets ⊗
Rivets cut on other side ⊖

Drawn By J.J.B.
Traced By R.R.S.
Checked By C.R.E.
Date 18.11.31
Revised 29.9.32.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

Public Works Department Received 21 Nov 1932 Head Office Wellington

Gummer & Ford
Architects
Structural Engineers
Auckland & Wellington

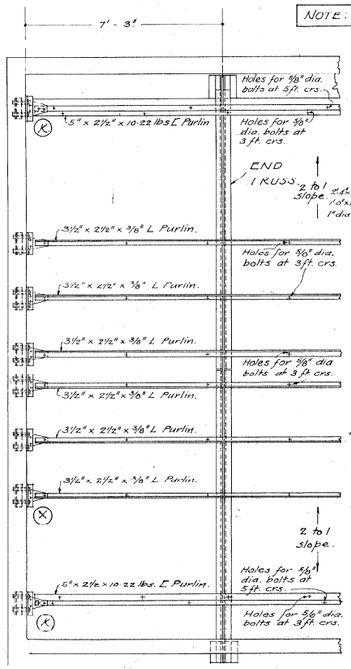
Scale: 1/8", 1/2", 1½" = One Foot.

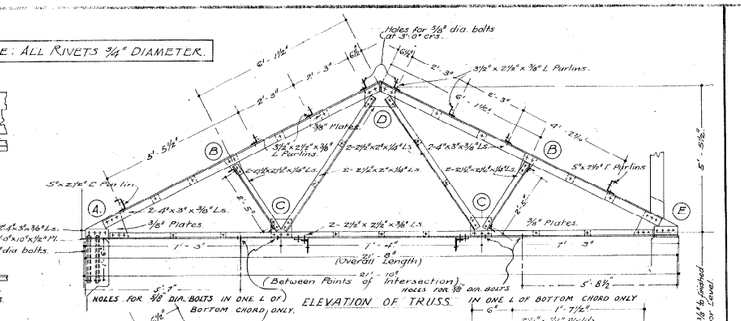
Roof over Sculpture Hall and Gallery 'A'

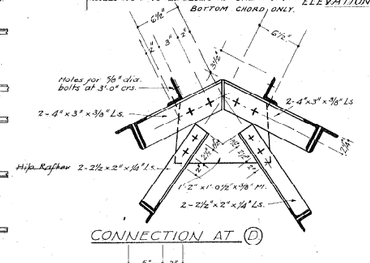
Contract No. 211

Drawing No. 41.

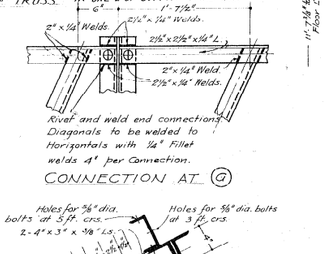
NOTE: ALL RIVETS 3/4" DIAMETER.



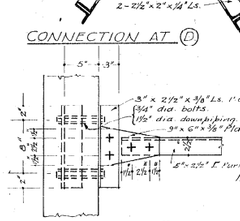




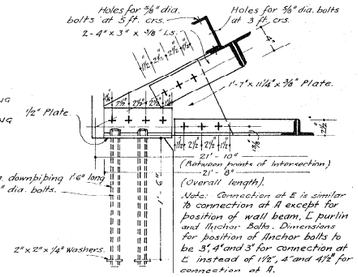
CONNECTION AT (D)



CONNECTION AT (G)



CONNECTION AT (K)



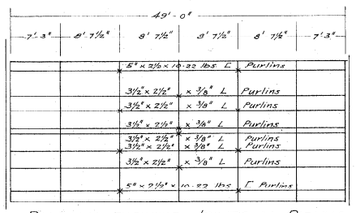
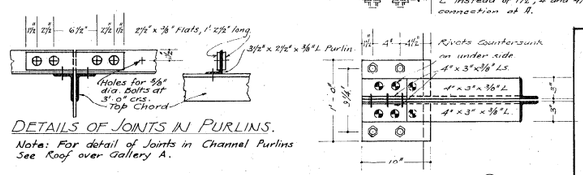
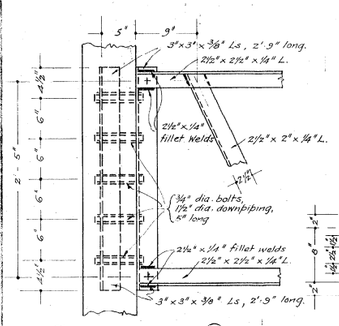


DIAGRAM SHOWING JOINTS IN PURLINS.
Note: All dimensions are taken to the Centre Lines of Trusses.

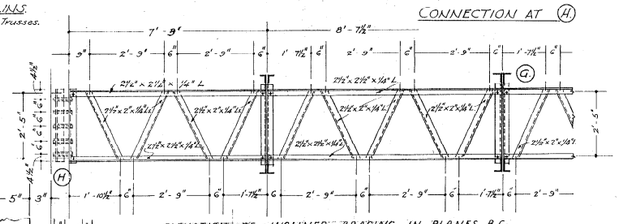


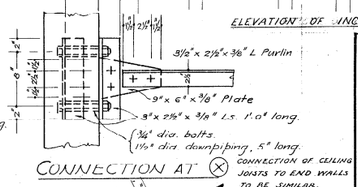
DETAILS OF JOINTS IN PURLINS.
Note: For detail of Joints in Channel Purlins See Roof over Gallery A.

CONNECTION AT (H)

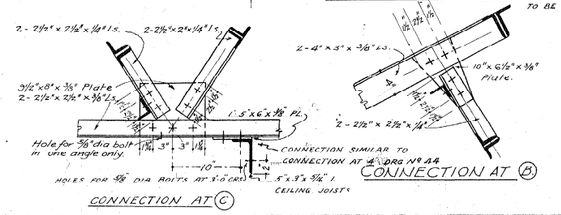


CONNECTION AT (H)



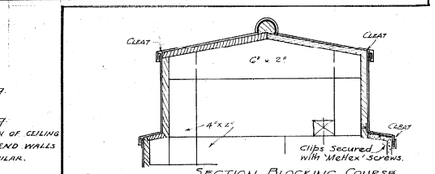


CONNECTION AT (X)

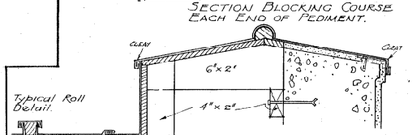


CONNECTION AT (C)

CONNECTION AT (B)

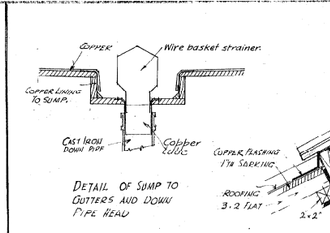


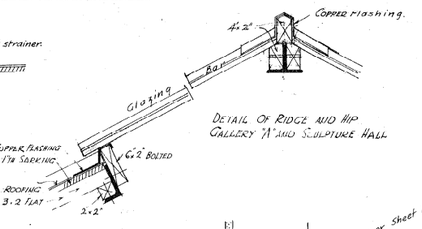
SECTION BLOCKING COURSE EACH END OF PEDIMENT.

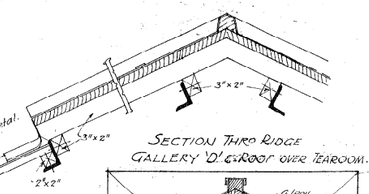


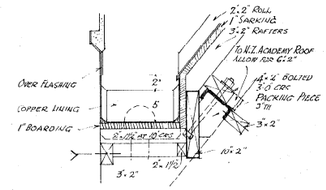
SECTION THRO PARAPET TO PEDIMENTS MAORI HALL. FLASHED WITH COPPER

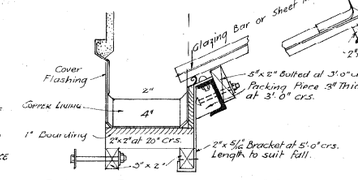
NOTE ALL BOLTS SECURING TIMBER TO STEEL OR CONCRETE TO BE ⅝" DIA. AT NOT MORE THAN 3'-0" CRS GENERALLY BOLTS SECURING CEILING JOISTS TO PURLINS TO BE 3/8" DIA.

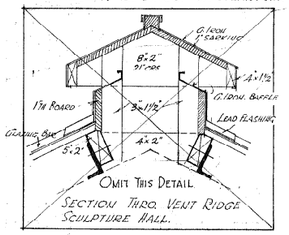


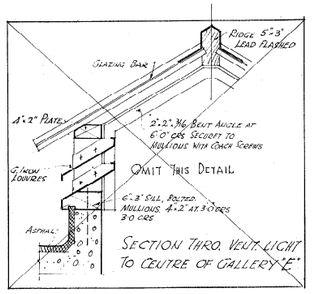


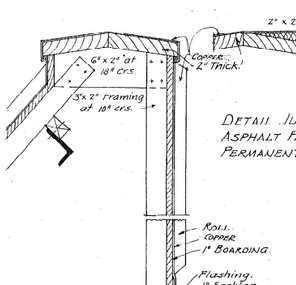


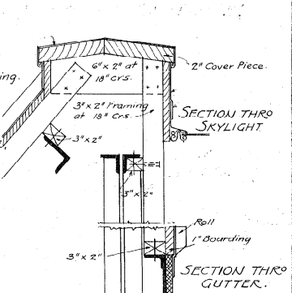


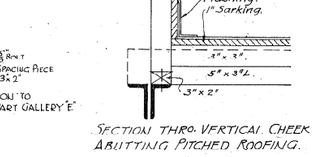


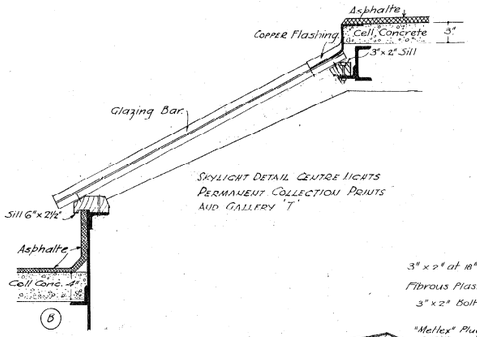


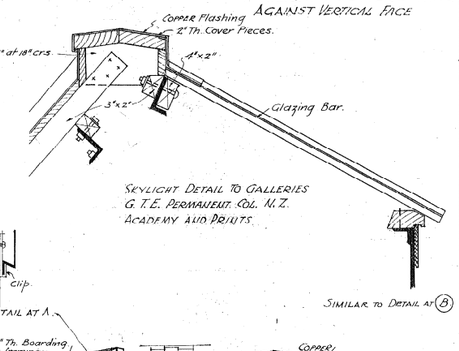


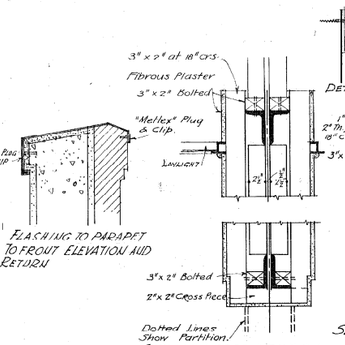


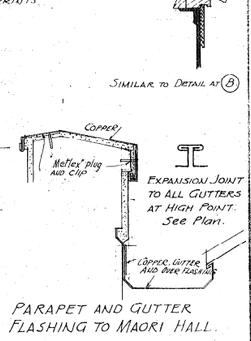












THIS DRAWING REVISED TO DATE 24TH AUGUST 1932 G.F.W.

INDICATIONS
Shop Rivets & Bolt Holes:
Field Rivets:
Rivets Csk. on Under Side:

Drawn By G.F.W., J.J.D.
Traced By R.R.S.
Checked By
Date 18.11.31.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

PUBLIC WORKS ENGINEER'S DEPARTMENT RECEIVED 21 NOV 1932 HARBER St., WELLINGTON

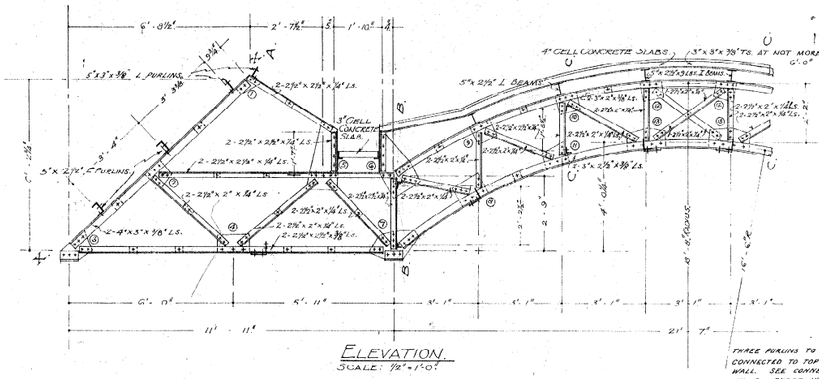
Gummer & Ford
Architects - Structural Engineers
Auckland & Wellington

Scale: 1/8", 1/2" and 1½" = One Foot

Details of Roof over Gallery 'D' Typical Skylight, Gutter and Flashing Details

Contract No. 211

Drawing No. 43



ELEVATION.
SCALE: ½" = 1'-0"

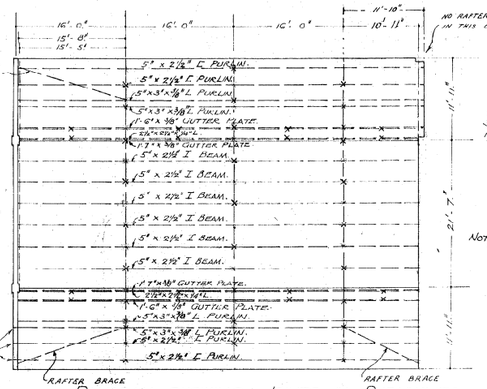
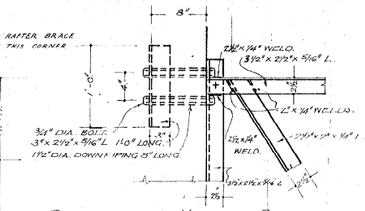
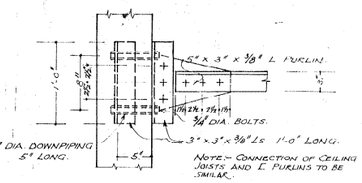


DIAGRAM SHOWING JOINTS IN PURLINS, ETC.
SCALE: ⅛" = 1'-0".
NOTE: DIMENSIONS TAKEN TO CENTRE LINES OF TRUSSES.



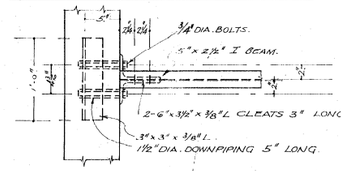
CONNECTION OF VERTICAL BRACING TO COLUMN.

NOTE:- CONNECTION OF VERTICAL BRACING TO 8" WALL TO HAVE 5" PIPES. WITH 5" DIMENSION INSTEAD OF 8" SHOWN ABOVE.
WELDS: ¼" FILLET WELDS 2" LONG ON EACH SIDE OF ANGLE BRACES.
RIVET AND WELD ENDS OF HORIZONTALS, WITH 2 - 2½" x ¼" WELDS.

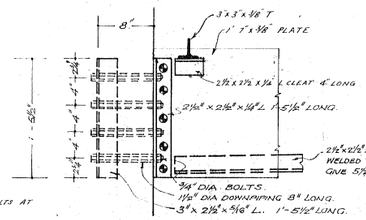


NOTE:- CONNECTION OF CEILING JOISTS AND E PURLINS TO BE SIMILAR.

CONNECTION OF L PURLINS TO WALLS.

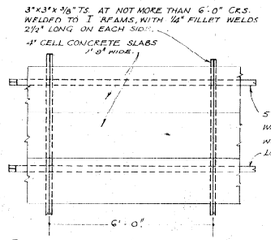


CONNECTION OF I BEAMS TO WALLS.

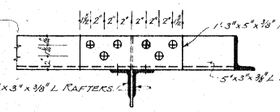


CONNECTION OF GUTTER PLATE TO COLUMNS.

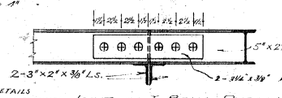
NOTE: CONNECTION OF GUTTER PLATE TO 8" WALL TO BE SIMILAR TO THAT TO COLUMNS. CONNECTION TO 8" WALL TO HAVE 5" PIPES. WITH 5" DIMENSION INSTEAD OF 8" SHOWN ABOVE.



PLAN SHOWING ARRANGEMENT OF JOINTS, TS., ETC. IN ROOFS.
SCALE: ½" = 1'-0"



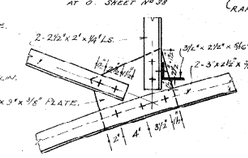
JOINT IN ANGLE PURLIN.



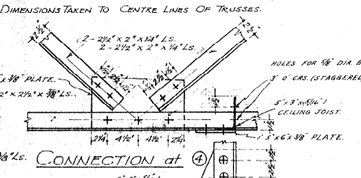
NOTE: FOR DETAILS OF DRILLING IN CHANNEL PURLINS SEE ROOF OVER NEW SEALING ACADEMY GALLERY. SHEET Nº 37.

JOINT IN I BEAM PURLIN.
SCALE: 1½" = 1'-0"

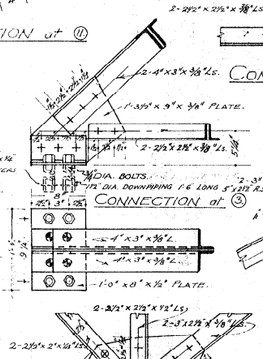
NOTE:- JOINTS IN CHANNEL PURLINS TO BE SIMILAR.



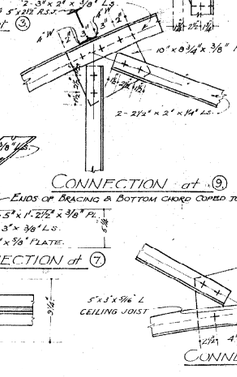
CONNECTION at (11)



CONNECTION at (4)

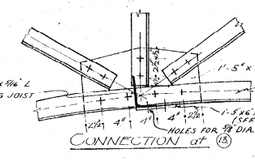


CONNECTION at (3)

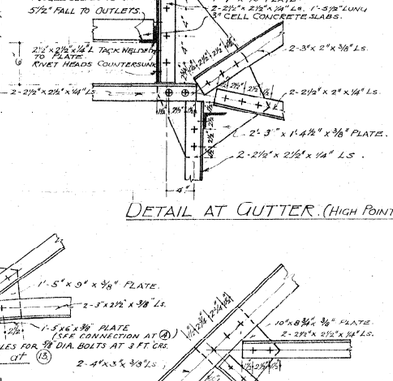


CONNECTION at (9)

CONNECTION at (7)

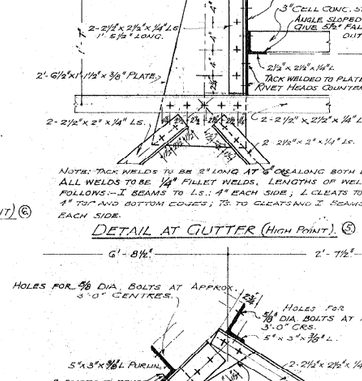


CONNECTION at (15)



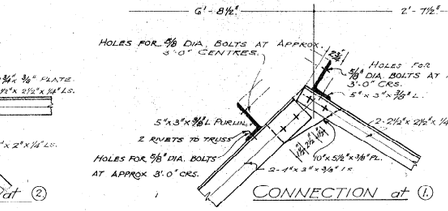
CONNECTION at (2)

DETAIL AT GUTTER. (HIGH POINT) (6)

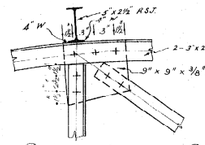


NOTE: TACK WELDS TO BE 2" LONG AT 8" CRS ALONG BOTH EDGES. ALL WELDS TO BE ¼" FILLET WELDS. LENGTHS OF WELDS AS FOLLOWS:- I BEAMS TO L.S., 4" EACH SIDE; L CLEATS TO PLATE 4" TOP AND BOTTOM EDGES; TS. TO CLEATS AND 2" SQUARE 2" EACH SIDE.

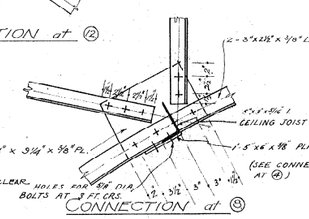
DETAIL AT GUTTER (HIGH POINT) (5)



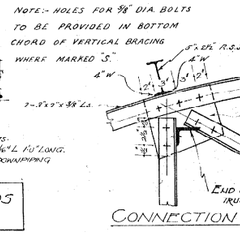
CONNECTION at (1)



CONNECTION at (12)

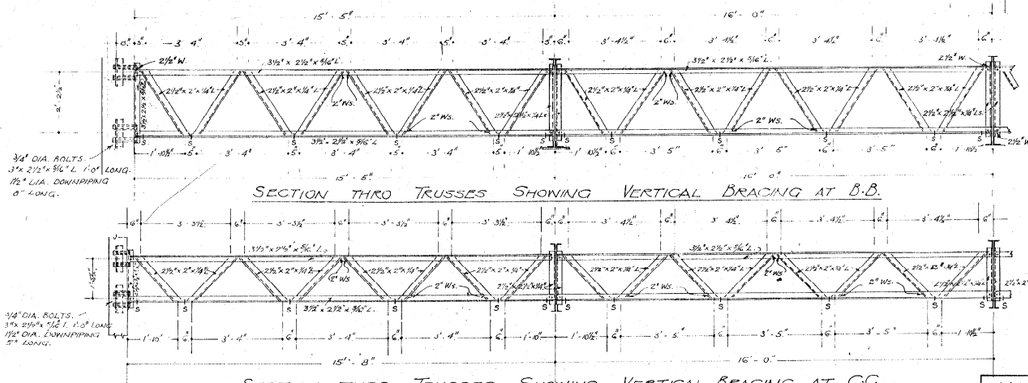


CONNECTION at (8)



CONNECTION at (10)

NOTE:- HOLES FOR ⅝" DIA BOLTS TO BE PROVIDED IN BOTTOM CHORD OF VERTICAL BRACING WHERE MARKED "S".



SECTION THRO TRUSSES SHOWING VERTICAL BRACING AT B.B.

SECTION THRO TRUSSES SHOWING VERTICAL BRACING AT C.C.
SCALE: ½" = 1'-0"

NOTE: FOR FULL SIZE SECTION OF WELDS SEE SHEET Nº 41.

NOTE.- FOR DETAILS OF CONNECTIONS OF RAFTER BRACES TO WALLS SEE ROOF OVER GALLERY G (CONNECTION AT Z SHEET Nº 37).
SCALE: ½" = 1'-0"

INDICATIONS
SHOP RIVETS: +
FIELD RIVETS: ⊕
RIVETS C'SUNK ON OTHER SIDE: ⊗
JOINTS IN PURLINS: ×

DRAWN BY J.J.B.
TRACED BY R.R.S.
CHECKED BY C.R.F.
DATE 19-11-31.

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

ENGINEERS DEPARTMENT RECEIVED 23 NOV 1932 WORCESTER ST. WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

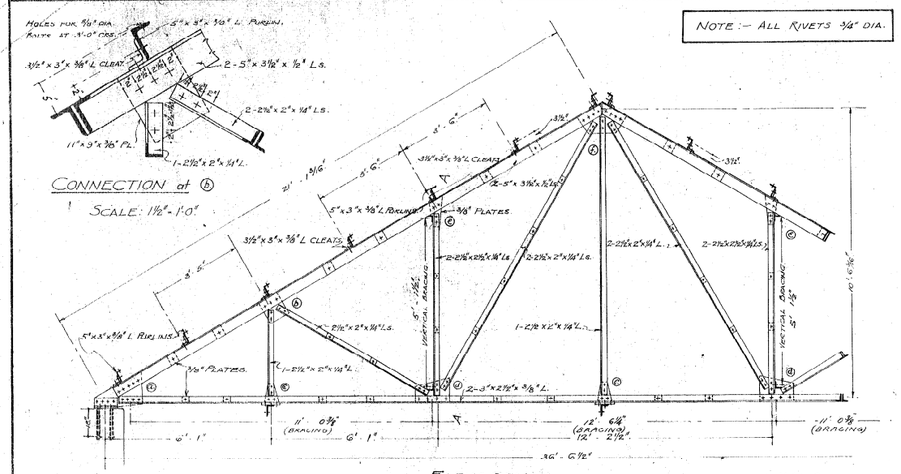
SCALE. 1/8", 1/2", & 1½" = ONE FOOT.

CONTRACT No. 211

DETAIL OF ROOF OVER
ROOF OVER GALLERY "E".
(FOR LOCATION OF GALLERY ROOF TRUSSES, SEE FRAMING PLAN DRAWING No. 33.)

DRAWING No. 44.

NOTE:— ALL RIVETS ¾" DIA.

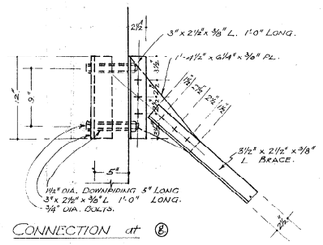


ELEVATION

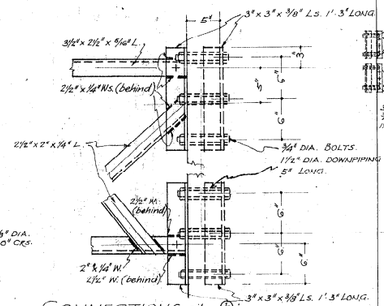
SCALE: ½" = 1'-0"

CONNECTION at ⓑ

SCALE: 1½" = 1'-0"

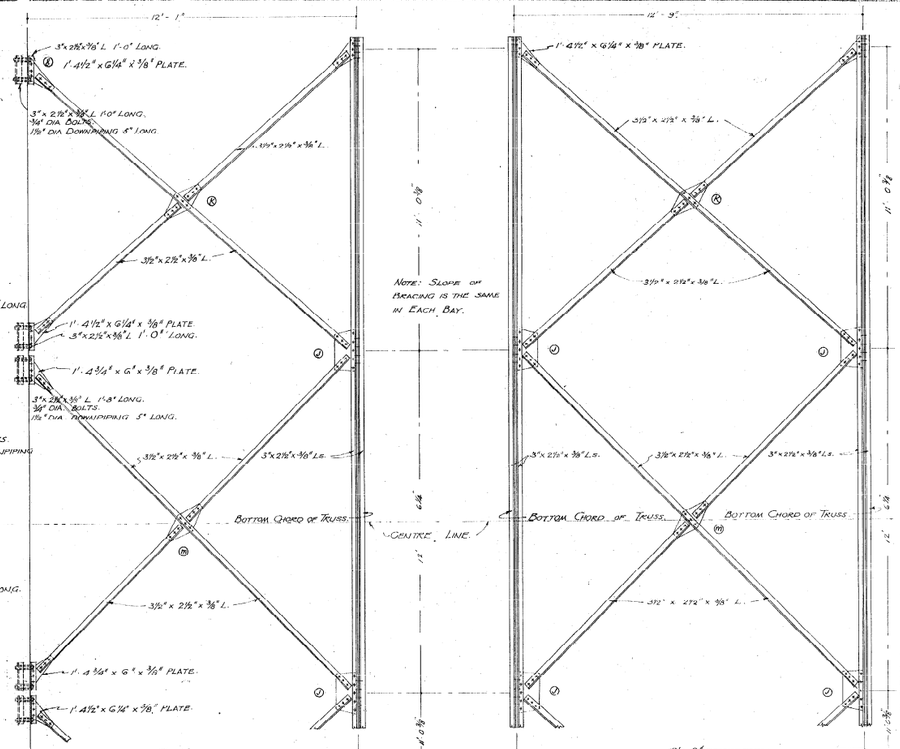


CONNECTION at ⓖ



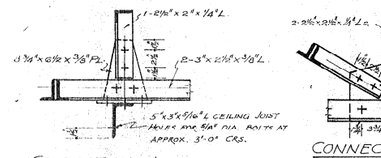
CONNECTIONS at ⓚ

SCALE: 1½" = 1'-0"

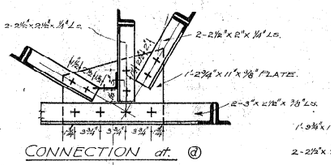


HORIZONTAL BRACING IN LOWER CHORD.

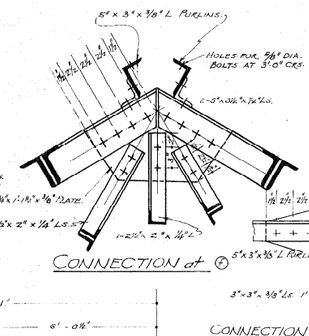
SCALE: ⅛" = 1'-0"



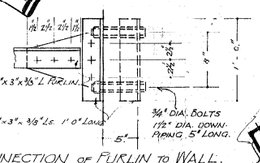
CONNECTION at ⓒ SCALE: 1½" = 1'-0"



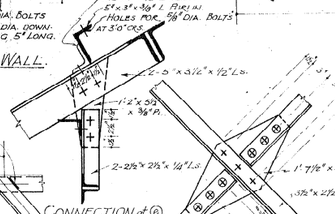
CONNECTION at ⓓ



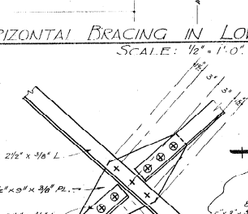
CONNECTION at ⓕ



CONNECTION of PURLIN to WALL.

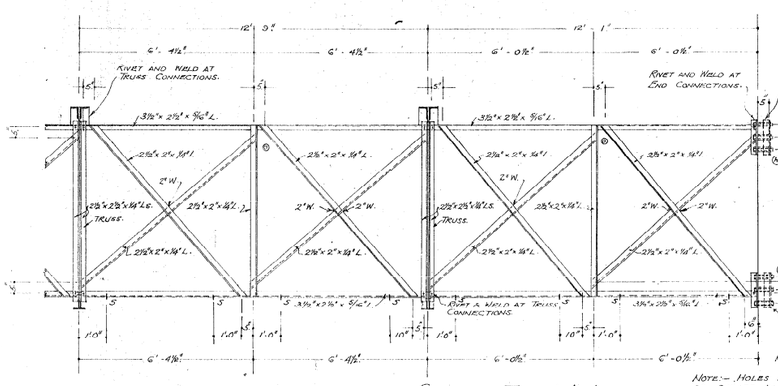


CONNECTION at ⓔ



CONNECTION at ⓚ

SCALE: 1½" = 1'-0"



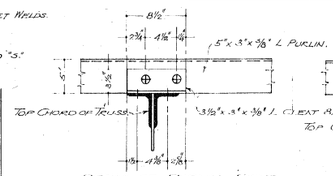
SECTION THRO' A-A.

SCALE: ½" = 1'-0"

CONNECTION at ⓘ

NOTE: FOR FULL SIZE SECTION OF WELDS SEE SHEET No. 41.

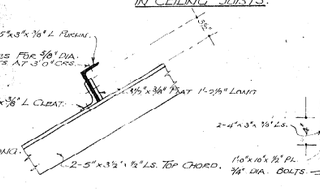
CONNECTION at ⓙ



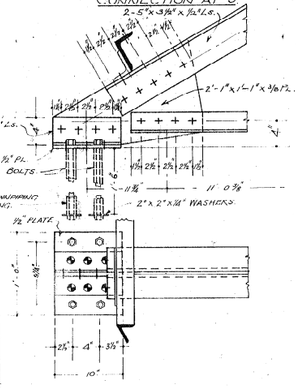
DETAIL of PURLIN FIXING.

DETAIL of JOINT IN PURLINS. SCALE: 1½" = 1'-0"

CONNECTIONS AND JOINTS IN CEILING JOISTS.



CONNECTION AT J



CONNECTION at ⓓ

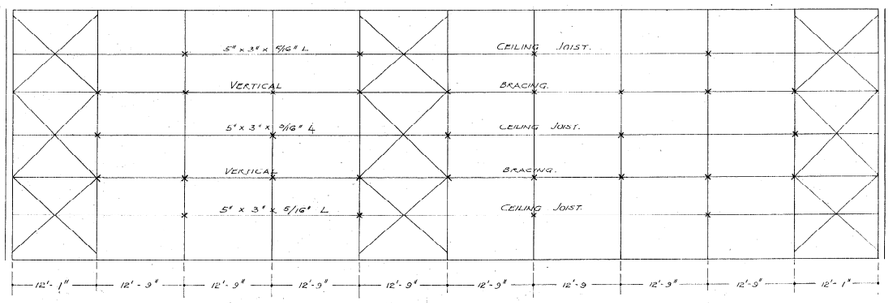


DIAGRAM SHOWING HORIZONTAL BRACING IN LOWER CHORD

SCALE: ⅛" = 1'-0"

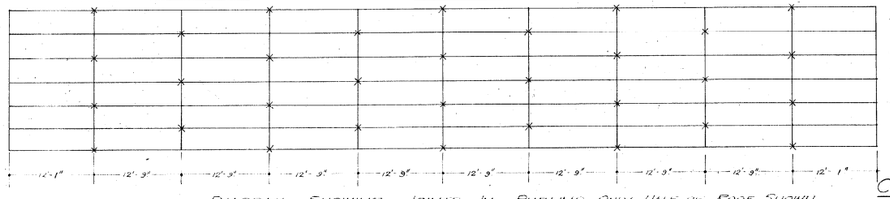


DIAGRAM SHOWING JOINTS IN PURLINS. ONLY HALF OF ROOF SHOWN.

SCALE: ⅛" = 1'-0"

NOTE:— HOLES FOR ⅝" DIA. BOLTS TO BE DRILLED IN BOTTOM MEMBER OF VERTICAL BRACING AT POSITIONS MARKED "S."

NOTE:— ALL WELDS ¼" FILLET WELDS.

INDICATIONS

SHOP RIVETS. +

FIELD RIVETS. ⊕

RIVETS ☉SUNK ON OTHER SIDE

JOINTS IN PURLINS, ETC. ×

Drawn By J.J.B.

Traced By R.R.S.

Checked By C.R.A.

Date 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM

WELLINGTON

PUBLIC WORKS DEPARTMENT RECEIVED 21 NOV 1932 WORKS DEPT. WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

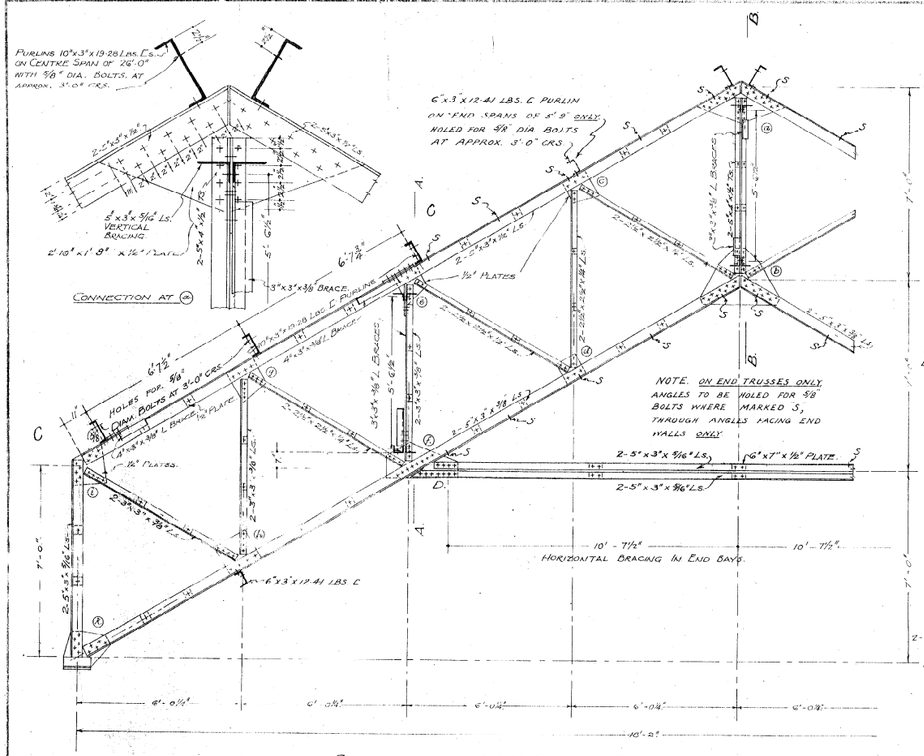
SCALE: ⅛", ½", & 1½" = 1'-0"

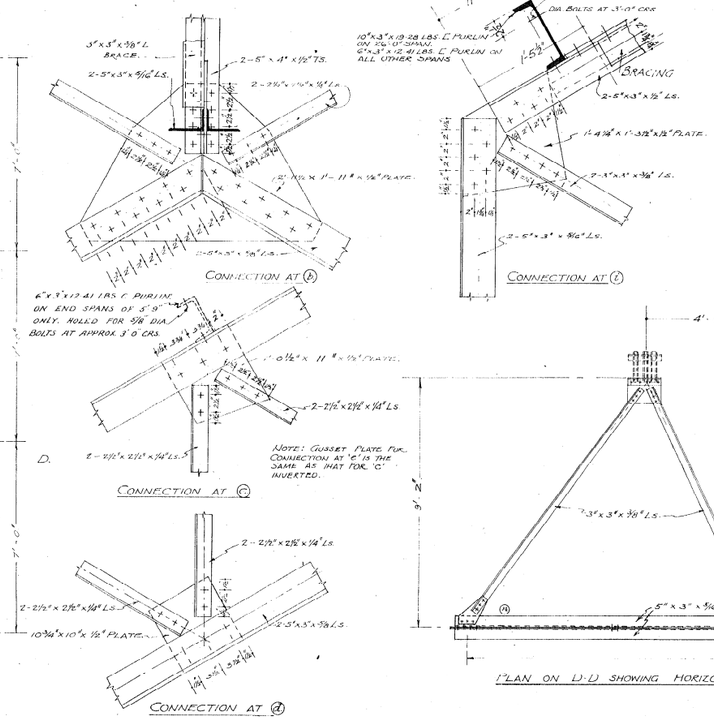
CONTRACT No. 211

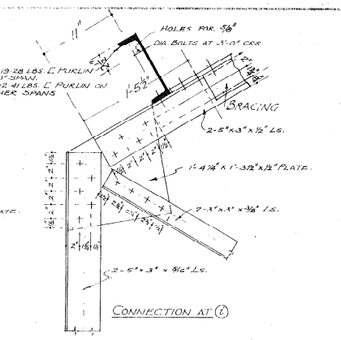
ROOF OVER TEA ROOMS.

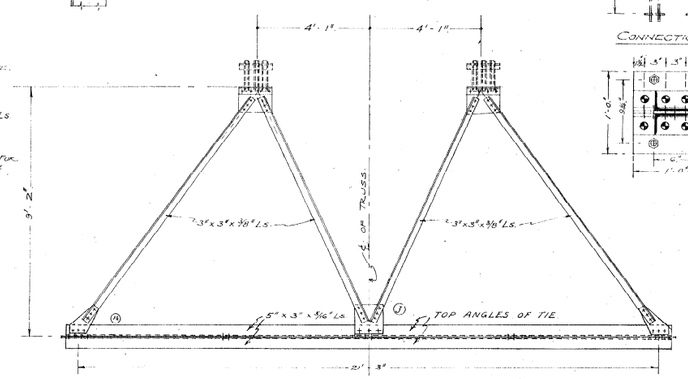
(FOR LOCATION OF GALLERY ROOF TRUSSES SEE FRAMING PLAN DRAWING No 33.)

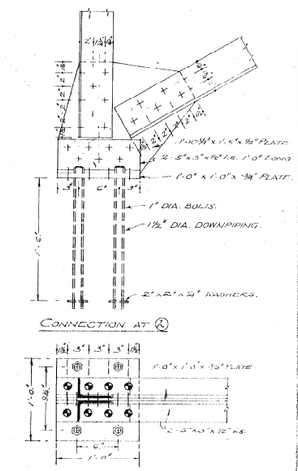
DRAWING No. 45.

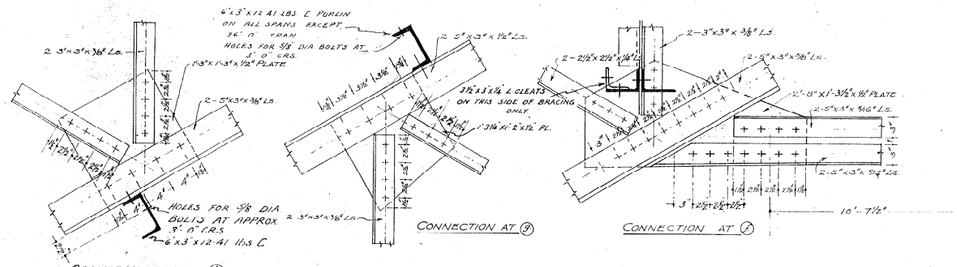


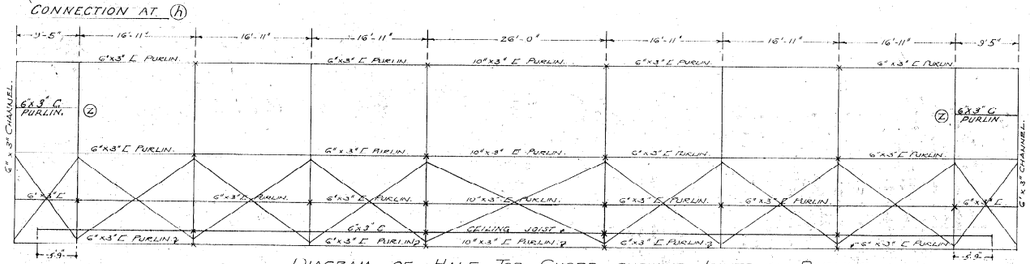


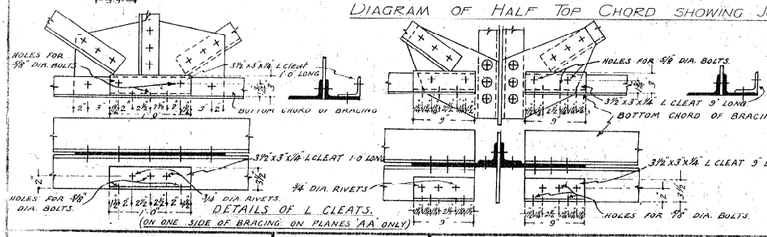


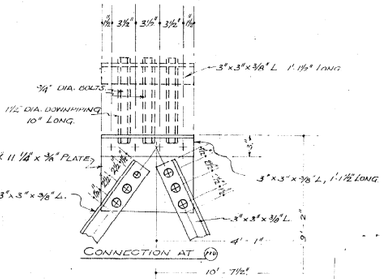


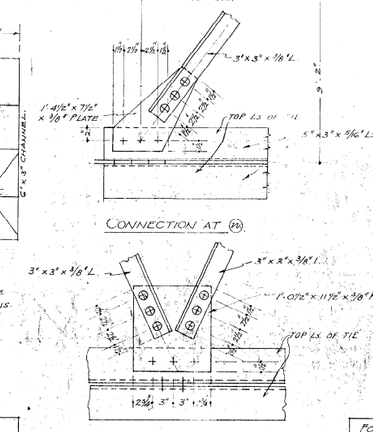


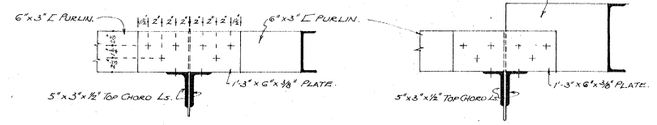


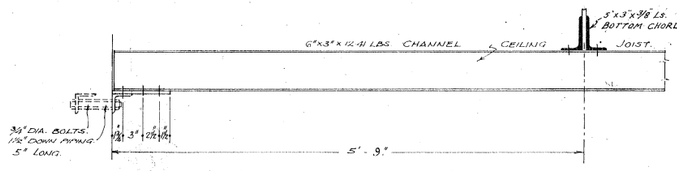


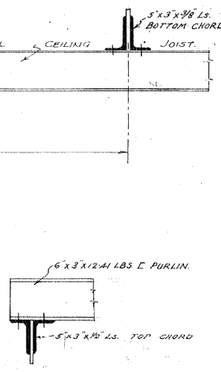












For location of Gallery Roof Trusses see Framing Plan, Drawing No 33.

INDICATIONS	
Shop Rivets:	+
Field Rivets:	⊕
Rivets C'sunk on other side:	⊖
Joints in Purlins, etc.:	×

Drawn By J.J.B.
Traced By R.R.S.
Checked By C.K.A.
Date 18·11·31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON.

Received 21 Nov 1932 — Lands & Survey Department, Wellington

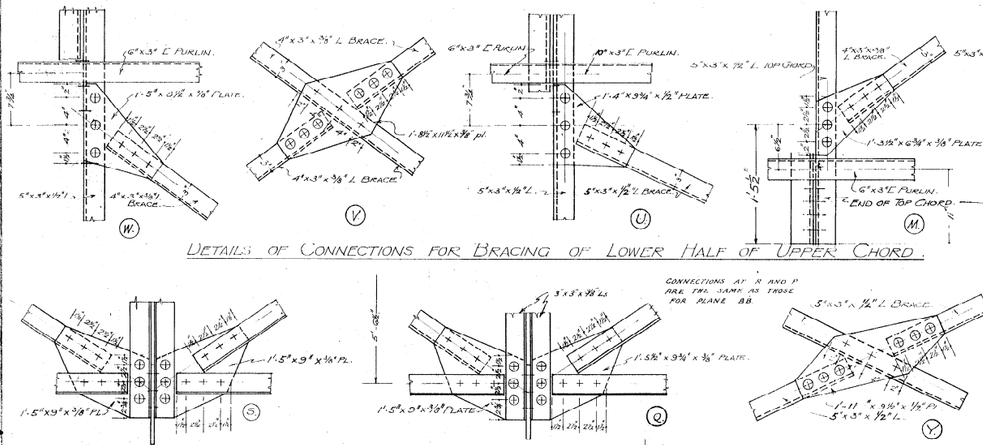
Gummer & Ford, Architects, Structural Engineers, Auckland & Wellington

Scale: 1/8", 1/2", 1 1/2" – One Foot.

Detail of Roof Over Maori Hall (see also drawing N°47).

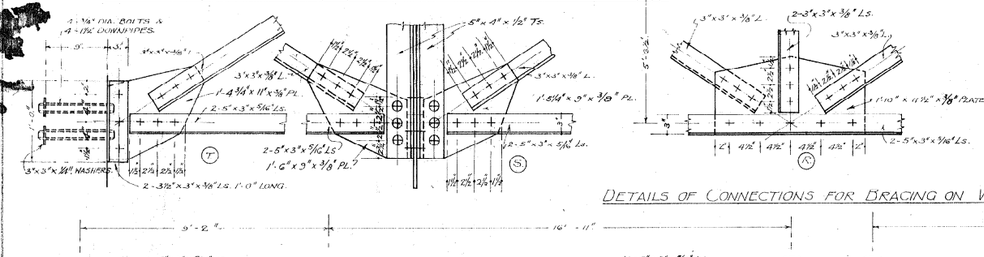
Contract No. 111

Drawing No. 46.

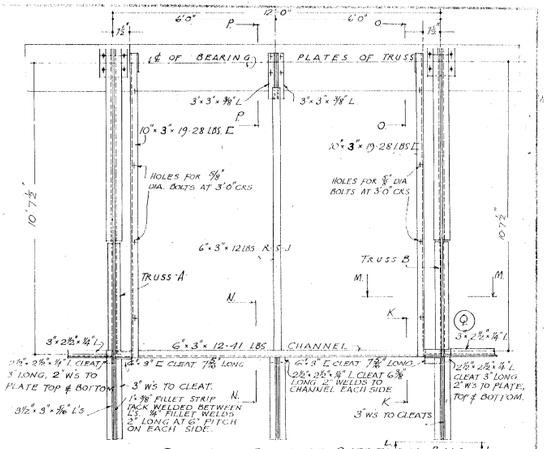


DETAILS OF CONNECTIONS FOR BRACING OF LOWER HALF OF UPPER CHORD.

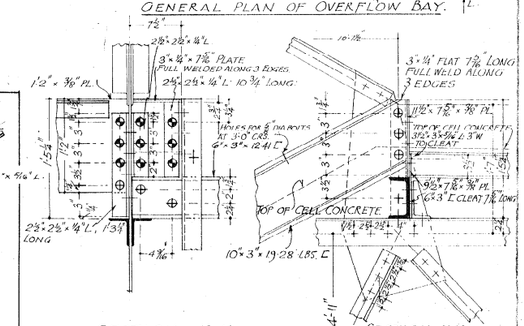
DETAILS OF CONNECTIONS FOR BRACING ON VERTICAL PLANES A.A.

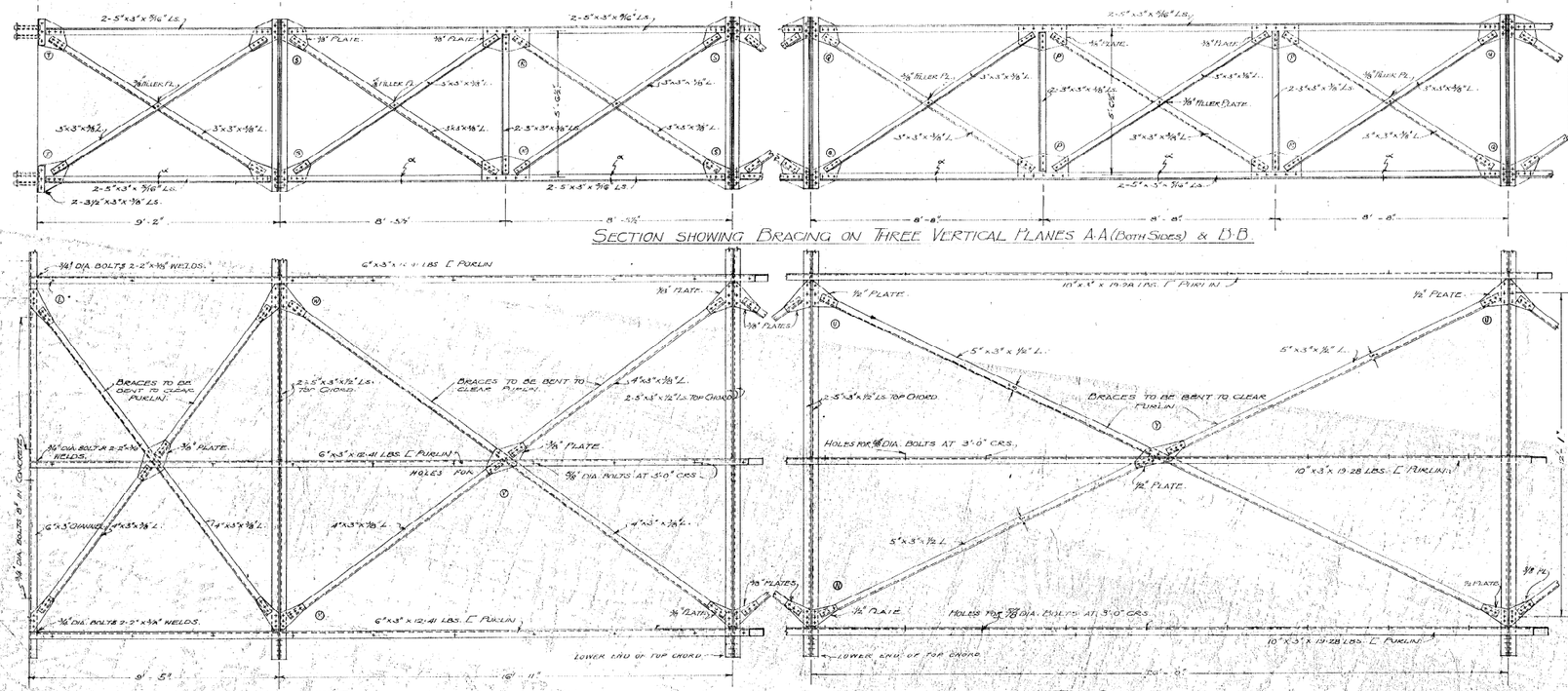


DETAILS OF CONNECTIONS FOR BRACING ON VERTICAL PLANE B.B.



GENERAL PLAN OF OVERFLOW BAY.





NOTE. FOR FULL SIZE SECTION OF WELDS SEE SHEET No 41.

FOR LOCATION OF GALLERY ROOF TRUSSES SEE FRAMING PLAN, DRAWING No 58.

MAORI HALL (SEE ALSO DRAWING No 46)

NEW ZEALAND ACADEMY GALLERY SEE ALSO DRAWINGS No 36 & 37, 38 & 39

INDICATIONS
SHOP RIVETS +
FIELD RIVETS ⊕
RIVETS FOR THIS SIDE
RIVETS FOR OTHER SIDE

Drawn By J.J.B.
Traced By A.R.S.
Checked By C.R.P.
Date 18-11-31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON.

RECEIVED 23 NOV 1932 PUBLIC WORKS DEPARTMENT WELLINGTON

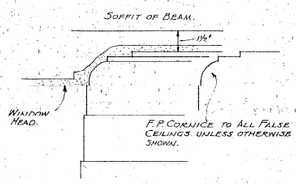
GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON.

SCALE: 1/2" & 1 1/2" = ONE FOOT.

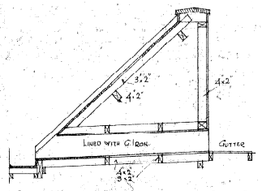
CONTRACT No. 211

DETAILS OF ROOFS OVER MAORI HALL (SEE ALSO DRAWING No 46) NEW ZEALAND ACADEMY GALLERY (SEE ALSO DRAWINGS No 36 & 37, 38 & 39.)

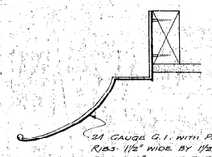
DRAWING No 47.



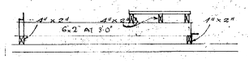
¼" F.S. DETAIL OF CORNICE TO MUSEUM COUNCIL ROOM.



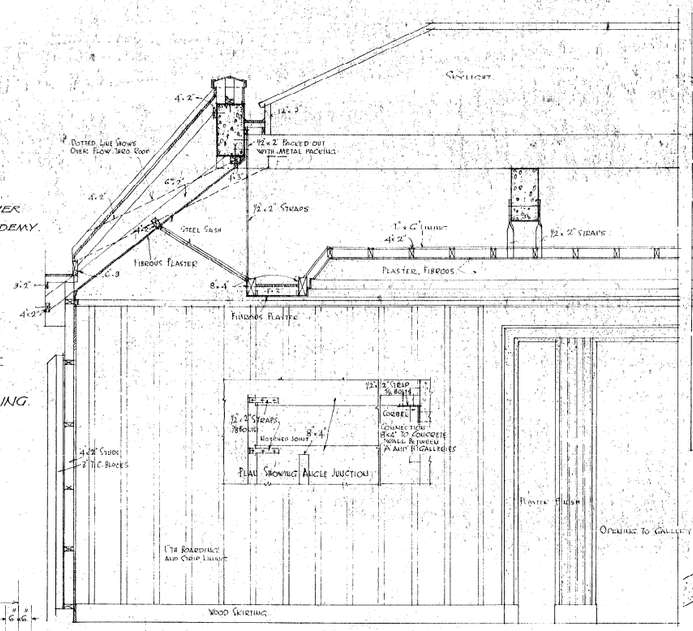
DETAIL OF WOOD BOXED OVERFLOW THRO. ROOF
½ SCALE

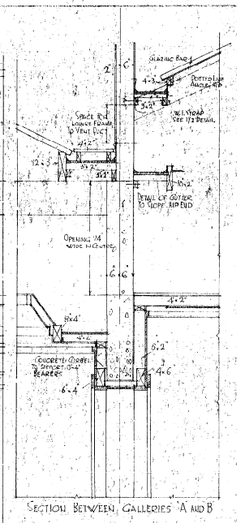


DETAIL OF METAL VALANCE TO COVER ELECTIC LIGHT LAMPS TO N.Z. ACADEMY.
¼ FULL SIZE

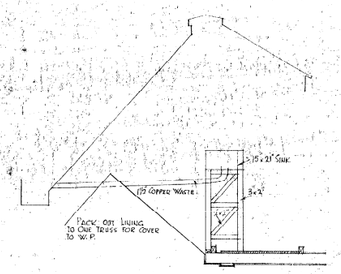


RUNWAY OVER TEA ROOM CEILING.
½ SCALE

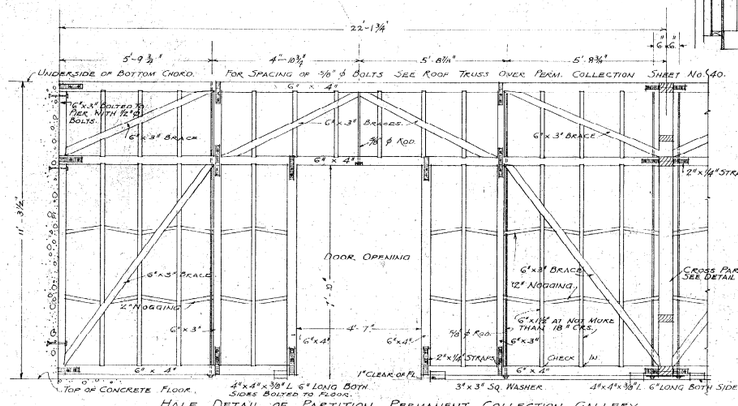




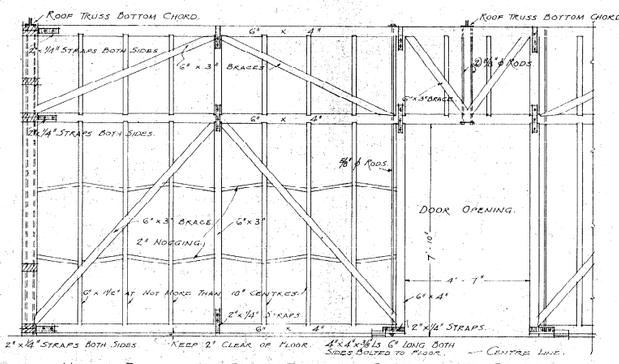
SECTION BETWEEN GALLERIES 'A' AND 'B'



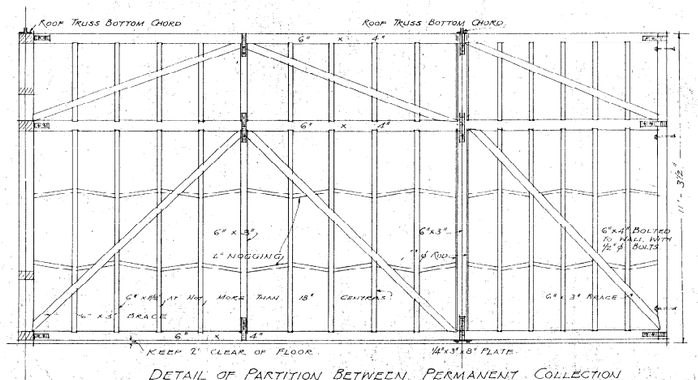
TYPICAL DETAIL OF SINKS IN ROOF
12 OFF SIMILAR TO THIS BUT LENGTH OF WASTE PIPE VARIES. ½ SCALE



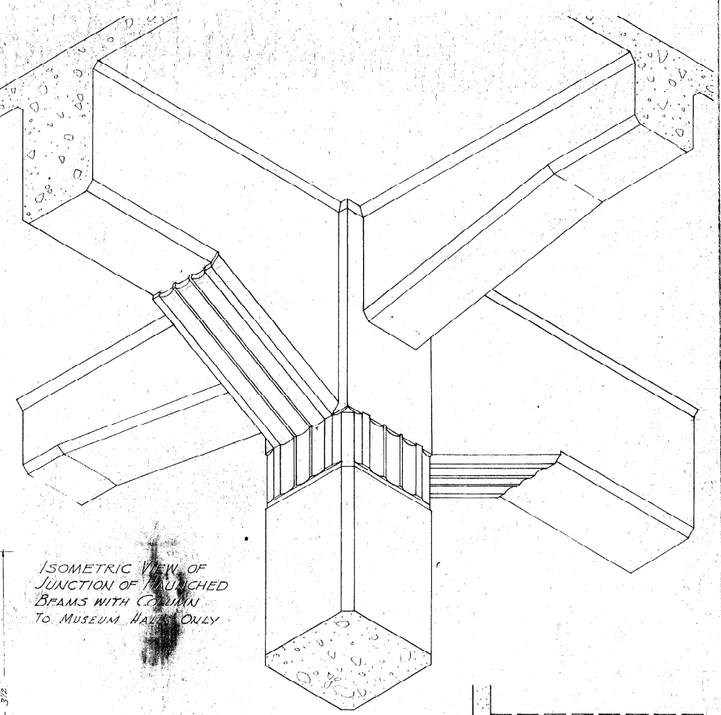
HALF DETAIL OF PARTITION PERMANENT COLLECTION GALLERY
REPEAT SIMILARLY ON OTHER SIDE.



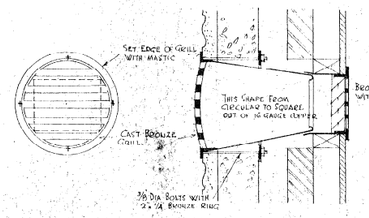
HALF DETAIL OF CROSS PARTITION CARRIED AT CENTRE OF ABOVE MAIN TRUSS



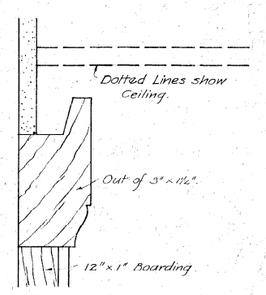
DETAIL OF PARTITION BETWEEN PERMANENT COLLECTION & N.Z. ACADEMY GALLERIES



ISOMETRIC VIEW OF JUNCTION OF HAUNCHED BEAMS WITH COLUMN TO MUSEUM HALL ONLY



TYPICAL VENTILATOR AT FLOOR LEVEL TO ART GALLERY. SEE ½ SCALE FOR VARIATION OF SHAPE AND LENGTH OF TRUNK



F.S. DETAIL PICTURE RAIL TO ART GALLERY.

INDICATIONS

DRAWN BY L.W.
TRACED BY R.S.
CHECKED BY
DATE 18.11.31

NATIONAL ART GALLERY AND DOMINION MUSEUM
WELLINGTON

PUBLIC WORKS DEPARTMENT RECEIVED 21 NOV 1932 HENDER ST., WELLINGTON

GUMMER & FORD
ARCHITECTS
STRUCTURAL ENGINEERS
AUCKLAND & WELLINGTON

SCALE: ½" = ONE FOOT.

DETAILS OF WOOD FRAMED PARTITION TO PERMANENT COLLECTION GAL.

CONTRACT No. 211

DRAWING No. 48.