Drainage Plan No. 8170. Sheet No. P28

BUILDING APPLICATION FORM

WORKS & PLANNING DEPT. BUILDING INSPECTION BRANCH RECEIVED 13 MAR 1972 MERCER STREET, WELLINGTON

WELLINGTON, Date 13th March 1972 (14 MAR 1972)

To the City Engineer, Wellington,

Sir,

I hereby apply for permission to ~~Erect~~ ~~Alter~~ ~~Convert~~ ~~Reinstate~~ ~~Demolish~~ LIFT SHAFT & Machine Room

at 107-117 CUBA STREET (HOUSE NO. AND STREET) for WGTON WORKING MENS CLUB (OWNER)

107-117 CUBA STREET WELLINGTON (OWNER'S ADDRESS) according to Plans and Specifications deposited herewith.

Particulars of Land Lot No. 1 & 2 Town Acre or D/P 179 15298

Frontage — by Depth of — Area —

Particulars of Building – Foundations CONCRETE Walls TIMBER Roof IRON

Area of Ground Floor ..... square feet.

Number of Storeys 4

Area of Outbuildings — square feet.

Number of Occupants NIL

Water Fee —

Estimated Value of Work:

Building $ 12008-00

Plumbing and Drainage $ $50-00 / NIL

Total $ 12008-00

B $ 12008.00

P & D $ 50.00

$ 12058.00

4-4-72

Yours faithfully,

DREbert.

PP. G.J. NEWDICK LTD. Builder

Postal Address P.O. Box 1058 Wellington

Telephone 59019

CE. 354

b. ab gynard h.h.
28/3/72.

CITY ENGINEER'S DEPARTMENT.

BUILDING BRANCH.

Date

Application for Lift Shaft + Machine Room Locality Te ex

Owner Wgtn Working Mens Club Building District No

		Checked by	Date
1. Description of Lot & Locality & House Nos.	✓	L.P.	13/3/72
2. Building Line Restriction P.W. or By-Law.	✓		
3. Encroachment on Street or Council property.	✓		
4. Builder's and Owner's Name & Address.	✓		
5. Storage of Fuel Oil or Dngrs. Goods, D.G. Insp.	✓		
6. Health Branch approval, Food Prem. & Shop.			
7. Special requirements, factories, Licensed Hotels, Boardinghouses, Public Buildings, Picture Theatres.	✓		
8. Means of Egress.	✓		13/3/72
9. Refuse Disposal.	✓		
10. Elevators & Car Docks.	✓		
11. Hoarding & Gantry.	✓		
12. Use of Building & Description of Application.	✓		✓
13. Values on application.	✓		
14. Distance from boundaries, Courts & Open Space.	✓		
15. Frontage, area of site & access to rear.	✓		
16. Ground levels & foundations.	✓		
17. General Construction.	✓		23/3/72
18. Chimneys, heating appliances, flues, etc.	✓		
19. Retaining Walls.	✓		
20. Structural Calculations to Structural Branch (Yes (No	✓		
21. Plumbing and Drainage	✓		16-3-72
22. Town Planning Requirements	✓		14/3/72
23. Streetworks Requirements, Design Branch	✓		14/3/72
24. Longitudinal Section of Vehicular Access	✓		23/3/72
25. Levels & Approach Crossing Fee $ / District Engineer Deposit $			14-3-72

STRUCTURAL

21/ Plumber required to ask Lift permit prior to commencement of work and to notify inspector prior to work being enclosed.

Notify Building Inspector when work commences. The interior and exterior of lift shaft is to be lined with material to provide a half-hour fire resisting rating. The interior of the lift machine room (walls and ceiling) is to be lined with material to provide a half-hour fire resisting rating. The work to be supervised by the consulting Engineer.

C.E. 604

Specification & Special & General Conditions of Contract for Construction of New Lift Shaft & Machine Room for The Wellington Working Mens Club Inc.

INDEX

GENERAL AND SPECIAL CONDITIONS

SECTION 1.

1. 1 GENERAL CONDITIONS:

N.Z.S.S. 623 1964 "Conditions of Contract for Building and Civil Engineering Construction" shall apply to this contract, and a copy is attached to this specification.

1. 2 TENDERS:

Tenders shall be submitted, for a specific sum, on the tender form attached to this specification and shall be lodged at the Engineer's Office not later than.....
4 p.m. on Tuesday, February 29th, 1972
.....

Tenders shall be in a sealed envelope marked "Tender for new lift shaft for Wellington Working Mens Club Inc. "

1. 3 DEPOSIT:

Each tender will be accompanied by a deposit cheque for Two Hundred & Fifty Dollars ($250).

The deposit of the successful tenderer will be returned with the first progress payment.

1. 4 BONDS AND SURETIES:

The successful tenderer will be required to enter into a bond for due completion and maintenance of the contract. The bond shall be executed in favour of The Wellington Working Mens Club Inc. to the value of 10% of the contract price.

The surety for the bond shall be a bank or insurance company, and the bond shall remain in force until the completion of maintenance work has been certified in writing by the Engineer.

1. 5 INSURANCES:

The successful tenderer shall effect the insurances as set out in clauses 9.1. 9.3. 9.4.1, 9.4.2, 9.5.1, 9.5.2, and 9.6 of the General Conditions of Contract.

The Public Liability Policy shall be to the value of $80,000 for any one claim. The All risk Policy, which shall include fire insurance, shall be to the value of the successful tender.

All insurances shall be kept in force until the Engineer has certified that the maintenance work is complete.

1. 6 TIME FOR COMPLETION:

The lift machinery installation is expected to commence at the end of June, 1972, and all builders work except finishing to lift doors and framing etc. at ground floor wall of shaft above lift door opening, is required to be completed by this date. At this stage the contract will be deemed to be substantially complete.

1. 7 LIQUIDATED DAMAGES:

The liquidated damages referred to in Clause 11.6.1 of the General Conditions of Contract shall be calculated at the rate of $100 per week.

1. 8 PERIOD OF MAINTENANCE:

The period of maintenance for the contract shall be 90 days from the date of substantial completion or occupation by the Principal, whichever is the earlier.

1. 9 RETENTIONS:

Retentions on payment certificates shall be as follows:-

(a) Wages Protection & Contractors Lien's Act.- Ten (10) per cent of the value of the work done shall be retained. Half of this retention shall be released thirty-one (31) days after all work is complete.

(b) Maintenance Retentions:- The other half of the above retentions shall be retained until the end of the maintenance period.

1. 10 PROGRESS PAYMENTS:

Progress payments will be made in terms of Part 17 of the General Conditions of Contract but no progress payment certificate shall be issued for an amount less than three thousand dollars ($3,000).

1. 11 CONTINGENCIES:

Tenderers shall allow the sum of one thousand dollars ($1,000) for contingencies to be used as set out in Clause 16.3 of the General Conditions of Contract.

1. 12 FLUCTUATIONS IN COSTS:

Appendix A of the General Conditions of Contract shall apply to this contract.

1. 13 REGISTRATION OF SUB CONTRACTORS:

Within four weeks of the date of the letter of acceptance the successful tenderer shall supply a written list of sub-contractors and other details as required by clause 33 (1) of the Wages Protection and Contractors Liens Act.

1. 14 EXISTING FACILITIES:

The builder will be permitted to use the existing power and water supplies and toilet facilities. He may use areas to be designated by the Principal for storage of materials etc., and for lunch and change rooms, and will be responsible for maintaining the cleanliness of these areas.

1. 15 HOURS OF WORK:

Work shall be confined to the hours of 7 am.to 5.30 p.m. weekdays, and 7 a.m. to noon Saturdays except with the consent of the Club manager.

1. 16 MAINTENANCE OF ACCESS:

All passages and stairways shall be kept clear of building material and equipment at all times. All floors are to be cleared and swept at end of each days work.

1. 17 PROTECTION:

The contractor is to allow to protect all joinery, linings, flooring etc. from damage during construction and will provide all the covers, padding, barriers, etc. to give the necessary protection. Care shall be taken to prevent entry of water when existing roof is opened up and the builder will supply and fix any temporary weather protection required.

DEMOLITION & EXCAVATION

SECTION 2

2 1 GENERAL:

All work is to be carried out in such manner as to cause the minimum disruption to access to the club and to prevent damage to any finishings. All demolition and excavated material shall be removed as work proceeds, through the rear yard where space will be provided for a storage bin.

2. 2 EXTENT:

Demolish existing dumb waiter and shaft, increase floor openings to suit new lift, cut through ceilings and roof to allow construction of shaft and machine room. Cut out south wall of cool store on 2nd floor. Cut out ground floor and excavate to sizes and depths required for construction of lift well.

REINFORCED CONCRETE WORK

SECTION 3

3. 1 GENERAL:

The following requirements with regard to materials and mixtures shall govern in all cases where they are used in any part of the concrete construction, unless otherwise mentioned.

3. 2 READY MIXED CONCRETE:

Ready mixed concrete shall be used but must conform with the requirements of this specification and with N.Z.S.S. 1900 Chapter 9.3.16.

(a) The condition of concrete shall at all times be to the satisfaction of the Engineer.

(b) The Contractor shall make arrangements with the supplier to adjust the consistency of slump of the concrete to suit placing requirements to the approval of the Engineer.

(c) The concrete shall be delivered to the site at times to suit the requirements of the work. Any concrete which is delivered to the site before formwork, steel placing, cleaning out etc., have been approved by the Engineer will be rejected.

(d) All concrete shall reach the final position in the forms within 30 minutes of discharging from the agitator truck.

3. 3 CONCRETE GRADE:

Concrete shall conform with the requirements of N.Z.S.S. 1900 Chapter 9. Clause 9.3. (1964) and shall be high grade concrete with a crushing strength of 3000 p.s.i. at 28 days on a 12" x 6" diameter cylinder standard cured.

3. 4 REINFORCEMENT:

All mild reinforcements shall comply with the conditions and test laid down in the New Zealand Standard Specification (NZSS 197) for Rolled Steel Bars and Hard drawn Steel -Wire for Concrete Reinforcement for bars up to and including ½" diam. and for larger sizes shall comply with NZSS 1693 Deformed Bars etc.

Immediately before the concrete is deposited all reinforcement shall be clean and free from all loose mill scale, dust and loose rust, and coatings such as paint, oil or anything which will prevent a perfect bond.

Welding or forge welding of reinforcing is prohibited except that tack welding will be permitted where transverse rods are in contact.

3. 5 FABRICATION AND FIXING:

Bends in main reinforcing bars shall have an internal radius of four times the diameter of the bars and shall be bent cold.

3. 5
Cont:- All reinforcement shall be accurately assembled and securely fastened together in accordance with the drawings so that it will not be displaced during concreting, vibrating or through other causes.

Reinforcement shall be tightly wired together at least at alternate points of contact with No. 16g annealed iron wire ties.

All reinforcement is to be securely supported in position with concrete dovetailed blocks or wire ties to maintain the concrete cover shown on the drawings. Care is to be taken to ensure that wire ties do not project beyond the finished face of the concrete.

Unless otherwise approved, the tolerance in placing of the reinforcement shall not be more than 1/4" but this tolerance shall not permit any reduction in concrete cover.

3. 6 CONCRETE FINISHES:

Exposed concrete surfaces in lift well shall be boxed with dressed timber shuttering.

3. 7 PLACING OF CONCRETE:

The whole of the lift well shall be poured in one without construction joints. On stripping patch any surface defects and plug form tie holes.

STRUCTURAL STEELWORK

SECTION 4

4. 1 EXTENT:

This consists of the fabrication and erection of the structural steelwork shown on the structural drawings.

4. 2 DRAWINGS:

The contract drawings indicate the general arrangement and dimensions of the structural steelwork. In general the structural drawings are made to scale, but scaled dimensions shall not be used. If all the distances and dimensions required are not given in figures, they shall be obtained from the Engineer. The Contractor shall check all dimensions on the site and assure himself there are no inconsistencies in the measurements given, and is to be responsible for the correct setting out of all steelwork as the work proceeds. If any inconsistencies or disagreements are found, they shall be immediately referred to the Engineer.

4. 3 STEEL:

All steel shall be mild steel and shall comply in all particulars with the requirements of British Standard Specification No. 15 1948, being N.Z.S.S. No. 309 "Mild Steel for general structural purposes".

In the case of rolled steel joists, universal beams and channels and weight shall average the value figures on the drawings and be within the limits of 2½% above and 2½% below these values.

4. 4 BOLTS, NUTS & Washers:

All bolts and nuts, including erection bolts, connecting steel to steel shall comply with the requirements of N.Z.S.S. 865 (1954) Black bolts screws and nuts.

All washers shall comply with the requirements of N.Z.S.S. 1698 (1962) "Metal washers for general engineering purposes".

4. 5 HOLDING DOWN:

All holding down bolts, washers and nuts are to be fabricated to the sizes, shapes and dimensions shown on the drawings and the material shall be mild steel conforming with N.Z.S.S. 309. Threads are to be Whitworth. Provide accurately eantered templates and co-operate with the Contractor for the setting out and holding in position of these bolts.

4. 6 DRILLING HOLES FOR BOLTS:

All holes for bolts shall be drilled 1/16" oversize and matching holes shall register with each other so that a gauge 1/16" less in diameter than the hole will pass freely through at right angles to the assembled parts. Holes for bolts will not be formed by a gas cutting process.

4. 7 BOLTING:

Washers or bevelled washers shall be supplied where required to give a satisfactory bearing under the heads and nuts of bolts. The threaded portion of each bolt shall project through the nut at least one thread. In all cases the bolt shall be provided with a washer of sufficient thickness under the nut so as to avoid any threaded portion of the bolt being within the thickness of all parts bolted together.

4. 8 WELDING:

All welding is to be done in the Contractor's workshop except where shown otherwise on the structural drawings. The electrodes and equipment, welding operations and conditions of welding etc., shall be carried out in strict accordance with N.Z.S.S. 1646. 1961. Sizes and types of welds are shown on structural drawings. Only experienced and highly skilled welders who has passed the necessary test (N.Z.S.S. 1366 Pt.1) shall be employed on the work and each man shall give satisfactory proof that he is so skilled.

4. 9 QUALIFICATION AND TESTING OF WELDERS:

For welding a particular type of joint, welders shall give evidence acceptable to the Engineer of having satisfactorily completed appropriate tests as described in N.Z.S.S. 1900 Chapter 9.4. 1965. Clause 9.4. 76 to 9.4.78 inclusive.

4. 10 ASSEMBLY:

All members shall be free from twist or other distortion and shall be to the lengths and dimensions shown on the Structural Engineering Drawings.

4. 11 MARKING:

Each piece of steelwork shall be distinctly marked before delivery in accordance with a marking diagram, and shall bear such marks as will facilitate erection.

4. 12 STORAGE AND HANDLING:

All structural steel at the site shall be stored and handled so that members are not subjected to excessive stresses and damage.

4. 13 ERECTION:

The suitability and capacity of all plant and equipment shall be approved by the Engineer.

The structural steel work is to be erected true and plumb. Adjustments as to level of staunchions and frames may be made by variation in the thickness of the grout under the bearing plates. The maximum variation from the figures shown on the drawings to be not greater than plus or minus 1/4".

During erection, the Contractor is to provide any temporary bracing that may be necessary to take care of any loads to which the structure may be subjected during erection.

4. 13
Cont:- Such bracing shall be left in position for as long as may be necessary to ensure the safety of the structure. It shall be finally removed as part of his equipment.

4. 14 GROUTING:

After finally levelling and plumbing all portal frames and staunchion bases are to be grouted with Portland Cement mortar not leaner than 1: 2 cement to sand and shall be mixed as dry as possible consistant with workability. It shall be well rammed and tamped under the bases until the void is filled.

4. 15 CLEANING:

After fabrication and before leaving the shop all structural steelwork is to be thoroughly cleaned of rust, mill scale and dirt, oil, paint, etc. by means of scrapers, power wire brushing and other effective tools to the Engineer's satisfaction.

4. 16 PAINTING:

Immediately after cleaning all structural steelwork other than edges prepared for welding and that encased in concrete shall be dusted off and on a dry surface given one brushed coat of 126-7226 Dulux HD 441 Primer to a minimum dry build up to 0.0015 ins. Immediately after erection such shop paint shall be examined and all bolts, welds and damaged priming areas shall be prepared down to the bare steelwork and touched up with primer as specified above.

4. 17 FIRE PRECAUTIONS:

During site welding a fire hose reel is to be extended to be within reach of the welding operator and a bucket of sand shall be located at each floor adjacent to the new lift shaft.

METAL ROOFING AND CLADDING

SECTION 5.

5. 1 EXTENT:

Provide and fix 26g high tensile galvanised iron "Paneldek" roofing and cladding to lift machinery room complete with flashings, gutter and down pipe as detailed on drawings.

5. 2 GENERAL:

The roofing and wall cladding specified in this section is to be fixed by an approved roofing fixer to the manufacturers recommendations. The roof shall be left water tight and shall have a two year written guarantee against faulty workmanship and materials.

5. 3 FIXING:

Lay 2" x 20g wire netting over purlins. Netting is to be stretched taut and stapled to purlins and wired together at 12" crs at sidelaps.

Over netting lay double sided aluminium sisalation in full lengths with 6" side laps.
Fix "Paneldek" roofing to manufacturers standards with 20g high tensile steel clips twist nail fixed to every purlin.

5. 4 CLADDING:

Fix cladding as for roofing but omit netting and sisalation.

5. 5 FLASHING, GUTTERS ETC:

Finish at apex and barges etc. with "Paneldek" fascia or gutter or 26g galv. iron flashings as detailed. Gutter to be fitted with 2" diam. galv. iron downpipe.
Flash machine room to existing roof and parapet with 24g galv. glashinga as detailed.

CARPENTRY AND JOINERY

SECTION 6

6. 1 GENERAL:

Frame erect and fit all carpenters and joiners work true and plumb and to the dimensions shown on the drawings. Provide dwangs, blocks, fixings and openings as may be required by other trades.

Leave all parts in good working order and make good to all shrinkage and other defects.

6. 2 SCOPE:

Work covered by this section includes all timber framing, linings, supply and fixing joinery, altering existing joinery and framing as required, fixing new timber finishes to match existing and making good to existing finishes where affected by lift installation.

Allow to finish with architraves, skirtings, beads quads etc. to give tradesmanlike finish.

6. 3 TIMBER:

All timber shall be graded in accordance with the N.Z.S.S. (NZSS 169) National Grading Rule and where specified as 'treated' shall comply with N.Z.S.S. (NZSS C.P, 4) and shall conform to the requirements of the Timber Preservation Authority.

All timber to size specified or shown, free from defects which in Engineer's opinion, render it unfit for its purpose. All finishing timber dressed. All timber from seasoned stocks or kiln dried run and stacked in strip for as long as possible before use. Joiner's timber thoroughly seasoned.

All timber shall be gauged. Where Pinus timbers used all framing shall be tanalised treated gauged four square No.1. framing grade. All bearers, joists, plates, load bearing studs and braces shall be No.1 Framing Grade or approved alternatives.

Framing timbers must have 20 per cent maximum moisture content and finishing timber 12 per cent maximum moisture content.

Finishing timbers, wall and ceiling linings shall match existing.

All exterior timber and joinery shall be D A heart rimu or heart matai.

6. 4 FINISHING TO LIFT DOORS:

Allow to frame and lift door openings to take door frames supplied and fitted by Otis Elevators Ltd. Finish around these frames with architraves, scotia quads etc. to give tradesmanlike finish to match existing adjacent walls.

6. 5 LININGS:

Line inside and outside of lift shaft walls with 3/8" gibraltar board. Line lift machinery room walls with 3/8" particle board. Walls and ceilings at each floor shall be finished to match existing adjacent surfaces.

Gibraltar board is to be fixed with galvanised clouts at 6" crs at edges, 9" crs. in body of sheet.

Flush stop all nail head depressions and all joints with plaster of paris stopping.

Fix particle board with 1½" brads at 6" crs. to dwangs and studs.

6. 6 JOINERY:

Supply and fix door and frame to lift machine room. Frame to be solid rebated ex D.A.H.R.

Fit door with Yale type lock.

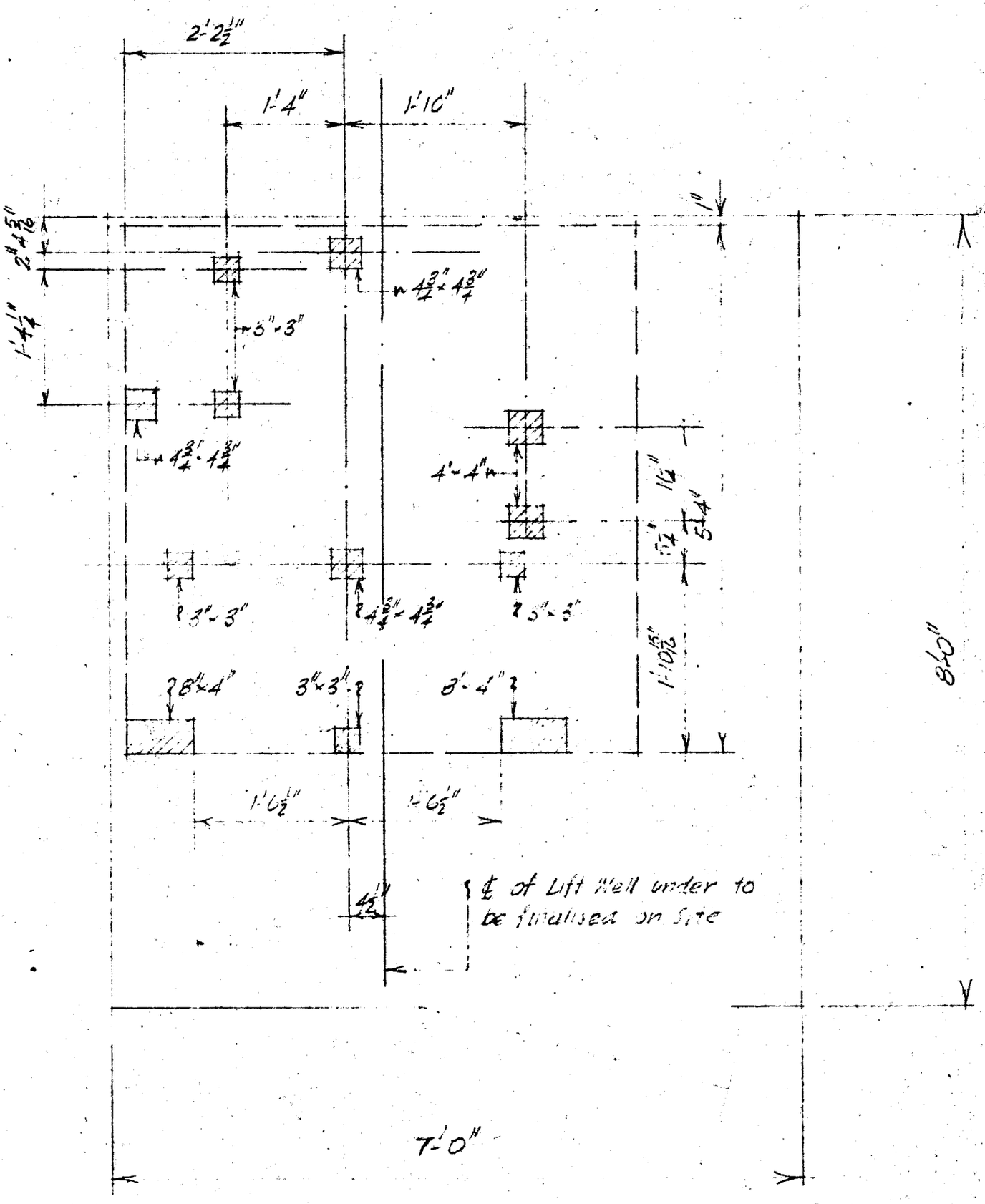
Supply and fix access way decking and stair treads ex 8" x 1¼" rough sawn tanalised pine.

Shift and relocate existing benches and fittings where affected by installation of new lift shaft.

6. 7 TIMBER SLAB FLOOR:

Timber slab floor to lift machine room shall be ex 3" x 2" No. 1 framing pine dressed. Pieces to be cramped and nailed with 4" nails at 9" crs. and each side of holes in floor. Nails in a piece to be staggered 1" vertically, nails in adjacent pieces to be staggered horizontally. On completion sand floor to give level finish.

Size and location of holes are given on diagram attached to this section.



PLAN SHOWING POSITION OF HOLES THRO' MACHINE ROOM FLOOR

P L U M B I N G

SECTION 7

7. 1 WORKMANSHIP AND MATERIALS:

All work shall be executed by a registered plumber in accordance with the requirements of the Local Body By-Laws, Health Department Regulations and this specification. Where not specified, all materials and workmanship shall be in accordance with accepted trade practice.

All internal piping shall be solid drawn copper piping to the following gauges:-

Up to and including 1" diam.	19 S.W.G.
1¼" diam. up to and including 2" dia.	18 S.W.G.
3" & 4" diameter	16 S.W.G.

Water pipes and tubes shall be set out in straight runs of even gradients, avoiding all places where air locks are likely to occur. Use easy bends and unless unavoidable, elbow fittings are not to be used. Copper tubing and piping is to be secured in position by copper straps. All internal piping, including water, waste and vents shall be concealed.

All joints to copper pipes shall be made by brazing with Silfos or by approved compression fittings.

7. 2 SCOPE:

Relocate fire hoses where required to suit new lift.

Relocate pipework from roof tanks clear of lift shaft.

Relocate vent clear of lift shaft.

P A I N T I N G

SECTION 8

8. 1 GENERAL:

All work shall be done by qualified tradesmen, using materials as specified below according to the best trade practice and to manufacturer's instructions.

8. 2 EXTENT:

Make good to all new surfaces and surfaces disturbed by installation of lift shaft and machine room.

Allow to paint exterior roofing and cladding and joinery of machine room and exposed timber and steelwork of access way to same.

Internal finishes are to match existing for type, texture and colour.

8. 3 PREPARATION OF SURFACES:

The Contractor shall be responsible for ensuring that all surfaces or undercoats are in a suitable condition to enable a first class finish to be obtained. Wash, dust, scrape, brush or otherwise clean down all surfaces, remove imperfections by rubbing down, fill cracks and depressions with approved filler and apply such sealers, neutralisers or other materials as required in accordance with best trade practice.

8. 4 Protection and leaving clean:

The Painting Contractor shall cover up, provide necessary covering sheets and protect all floors and fittings and he will be held responsible for any damage whatsoever to the same. The whole work shall be left clean and free from splashes or stains and all glass cleaned on both sides.

8. 5 PRIMING:

All priming shall be of the same brand as undercoats and finishing coats. Only exterior grades shall be used externally and shall be applied to manufacturer's recommendations.

8. 6 EXTERIOR WORK:

Metal & Steel:

Apply priming where required as specified under "Structural Steelwork". Then apply one undercoat and two coats of high gloss exterior paint.

Woodwork:

Prime, stop, undercoat and finish with two coats of high gloss enamel.

8. 7 MACHINE ROOM FLOOR & WALLS:

Sand and seal with two coats of satin clear varnish.

E L E C T R I C A L

SECTION 9

9. 1 GENERAL:

The work covered under this section of the contract consists of the main items listed below.

The electrical contractor shall be responsible for obtaining all necessary permits etc. and for ensuring that the requirements of all authorities having jurisdiction over the works are complied with.

Workmanship shall be in accordance with best trade practice and shall be subject to approval by the Engineers.

9. 2 SPECIFIC ITEMS:

(a) Lift Submain: Provide a new submain consisting of 3 core 7/052 PVC PVC cable from the main switchboard in the entrance to the new lift machine room. This cable is to run across the ground floor ceiling space to rise up the lift shaft. Positioning in the shaft is to be confirmed with the Otis Elevator Co. Ltd. Provide a protective folded metal cover for the cable in the shaft.

Terminate the submain on the main switchboard on existing spare 60 amp fuse carriers and fit 45 amp links. In the lift machine room, terminate the cable on a 60 amp D & S fuse switch, with 30 amp links, mounted adjacent to the entrance. Provide from the fuse switch an additional 10 ft. of cable, outgoing to the lift controller. Termination on the controller will be by others.

(b) Lift Car Lighting: Provide in the lift machine room, a splitter box to serve the lift car lighting (which will be provided by others.)

Wire the splitter box with 7/029 TPS cable to a separate house lighting and power circuit.

(c) G.P.O's: Provide two new general purpose outlets, one in the lift machine room and one in the lift pit, where directed on site. Cable to convenient circuits.

(d) Lighting: Provide two batten holders in the lift machine room, switched from the door, and one angled exterior prismatic bulkhead fitting over the door and switched from the new exit on the 2 nd floor.

(e) Existing Outlets: Include for the removal of electrical items serving the present hoist which is to be removed, and for the relocation of outlets as required during construction of the new lift shaft. The outlets concerned are:-

(i) Ground Floor. Two nightstors and one GPO.

(ii) 1st Floor - One nightstor, one thermostat and one manual fire alarm station.

Re-locate the outlets as directed, re-wire as required, and leave in full working order.

CITY ENGINEER'S DEPARTMENT

MEMORANDUM FROM:

STRUCTURAL BRANCH TO BUILDING BRANCH

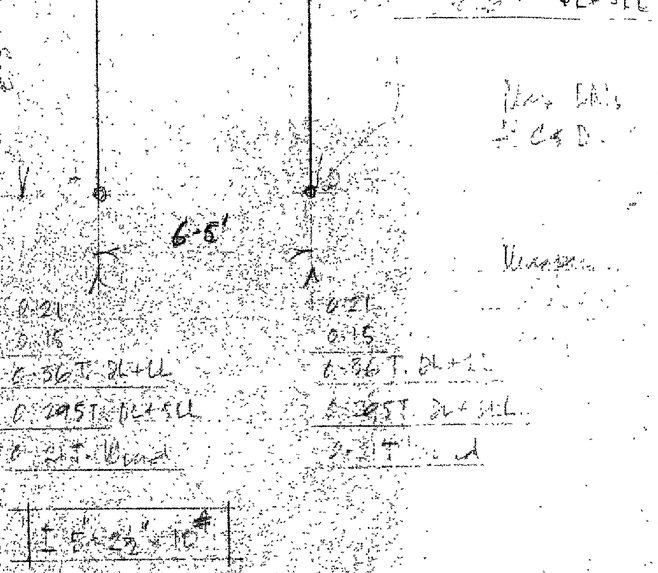
CHECKING AND COMMENTS FORM

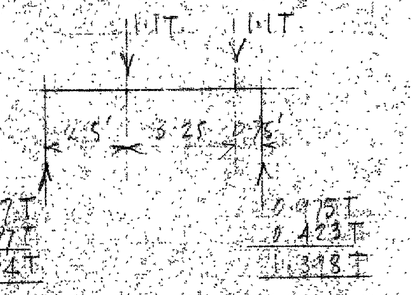
JOB	New Lift Shaft. Wellington Working Mens Club 107-115 Cuba St	DATE WHEN PLANS DEPOSITED	13/3/72
		PLANS RECEIVED IN STRUCTURAL BRANCH	15/3/72
ENGINEER	Melaren / Maycroft & Co	DATE WHEN JOB RETURNED	20/3/72
		CHECKED BY	BB
ARCHITECT		CALCULATIONS	YES ✓ NO

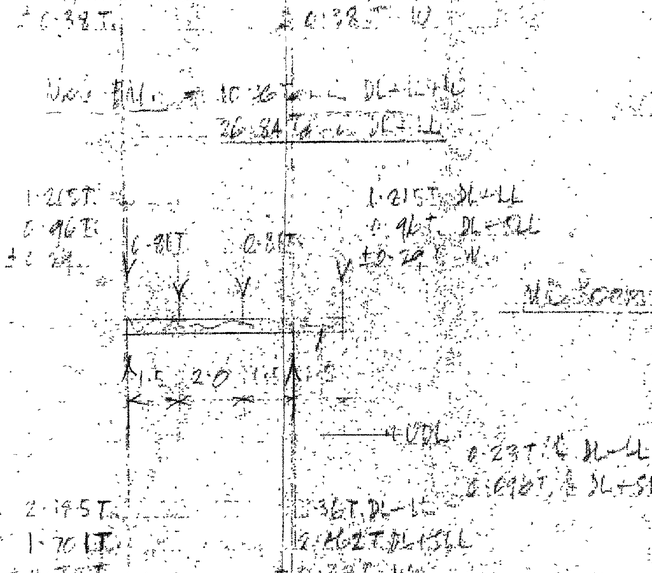
COMMENTS:

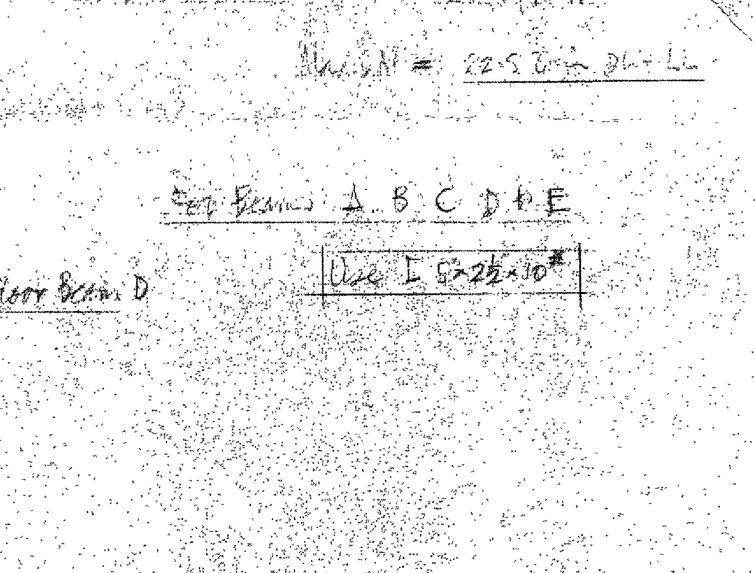
O.K. Engineer to supervise.

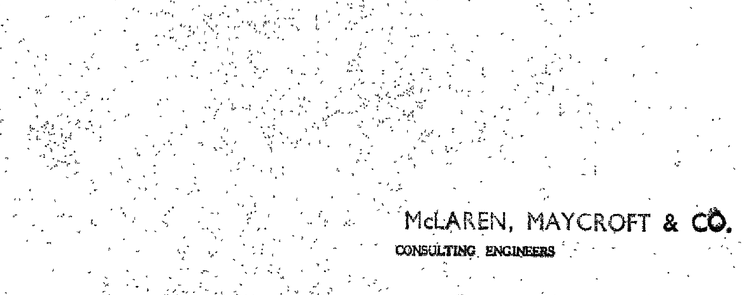
C.E. 580





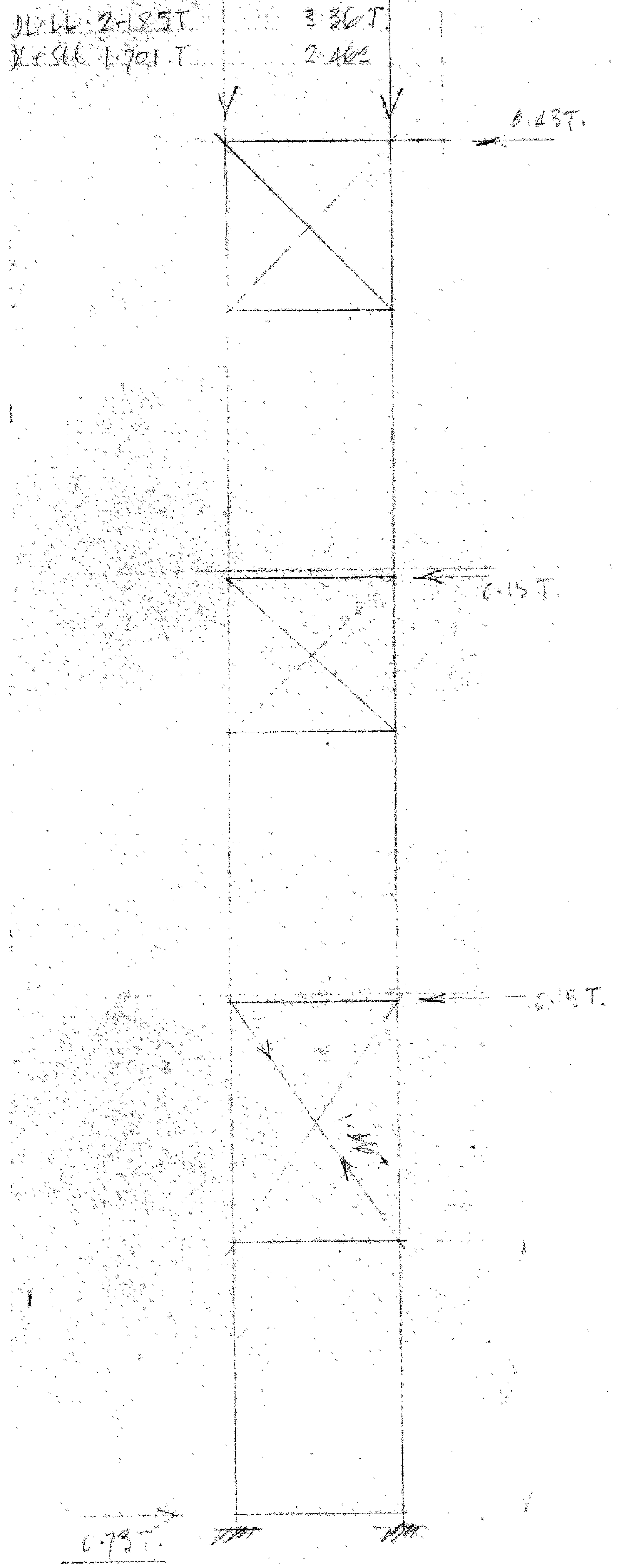






McLAREN, MAYCROFT & CO.
CONSULTING ENGINEERS

(2)



Eq. Load [illegible] M/c Room Floor

Roof = 10 × 9 × 6.5 = 585 lbs.
Walls 31 × 9 × 10 = 2790 "
Floor 14 × 9 × ... 5 = 2880 "
Lift [illegible] etc. = 3000 "
8165 lbs.

Eq. Force [illegible] × 5 = 1460 lbs = 0.47 Tons

Eq. Load at [illegible] Floor
Walls 22 × 15 × 10 = 2060 lbs.

Eq. Force = 0.2 × 2 × 2060 = [illegible]
= 0.366 T.

Vertical Members
[illegible] Load

M/c complete, 3.36 Tons
[illegible] 1 Tons

4.26 Tons DL + LL
3.32 " DL + SLL

[illegible]

$\frac{[illegible] \times 5 \times 12}{2} = 17.3$ Tons in Eq.

$L 4" \times 4" \times \frac{3}{8}"$

$\frac{l_{xx}}{r_{xx}} = \frac{5 \times 12 \times 0.7}{1.22} = 55$

$\frac{l_{yy}}{r_{yy}} = \frac{[illegible]}{[illegible]} = 86.$

$P_c = [illegible] + 25\% [illegible] = 7.6$ T/in²

$P_{bc} = [illegible] = 13.1$ T/in²

P_c DL+LL $= \frac{4.26}{2.85} = 1.5$ T/in²

P_c DL+SLL $= \frac{3.32}{2.85} = 1.2$ T/in²

P_{cb} EQ $= \frac{17.3}{1.49} = 11.6$ T/in²

$\frac{11.6}{13.1} + \frac{1.2}{7.6} = 0.885 + 0.157 = 1.042$

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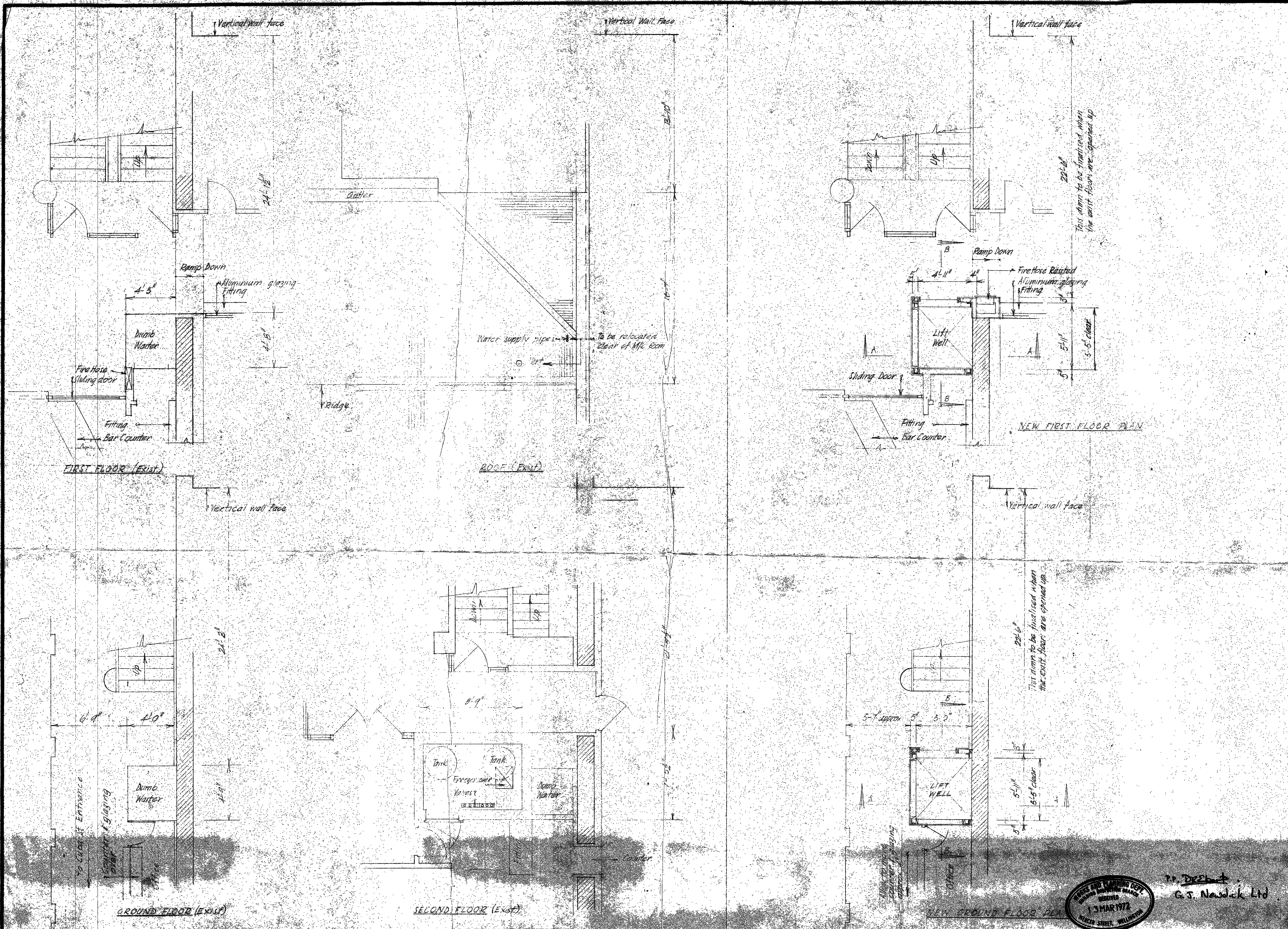

NEW LIFT SHAFT & MACHINE ROOM 107-117 CUBA ST.
FOR THE WELLINGTON WORKING MENS CLUB INC.

NEW & EXISTING FLOOR PLANS

JOB No	576	SCALE	1/4" = 1'
DATE	FEB '72	DESIGN	[illegible]
DRAWN	[illegible]	CHECKED	R.D.McL
TRACED	[illegible]	APPROVED	[signature]

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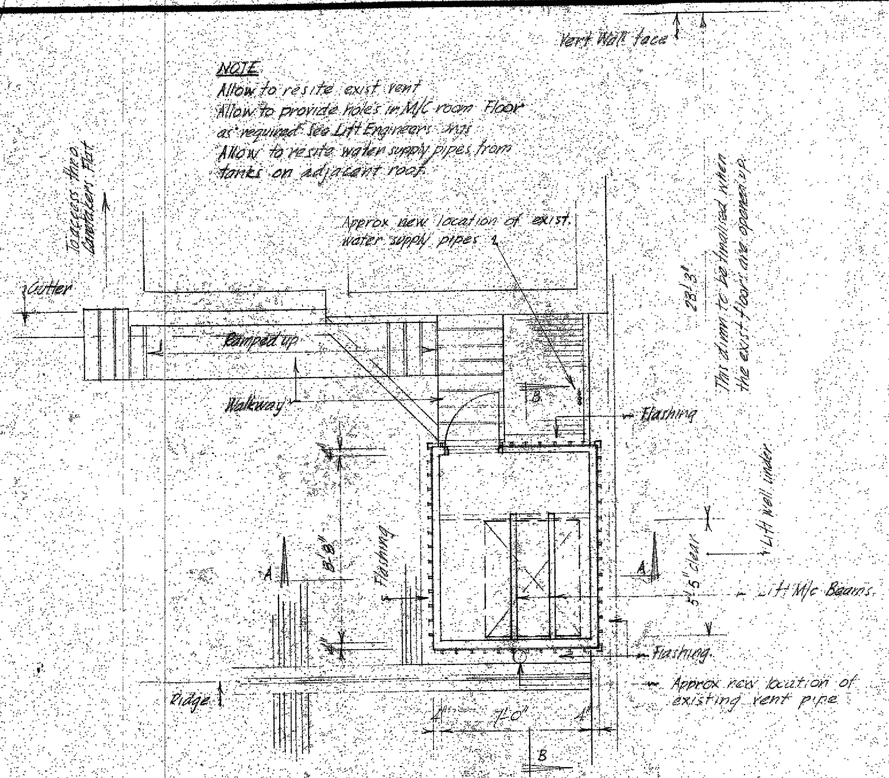
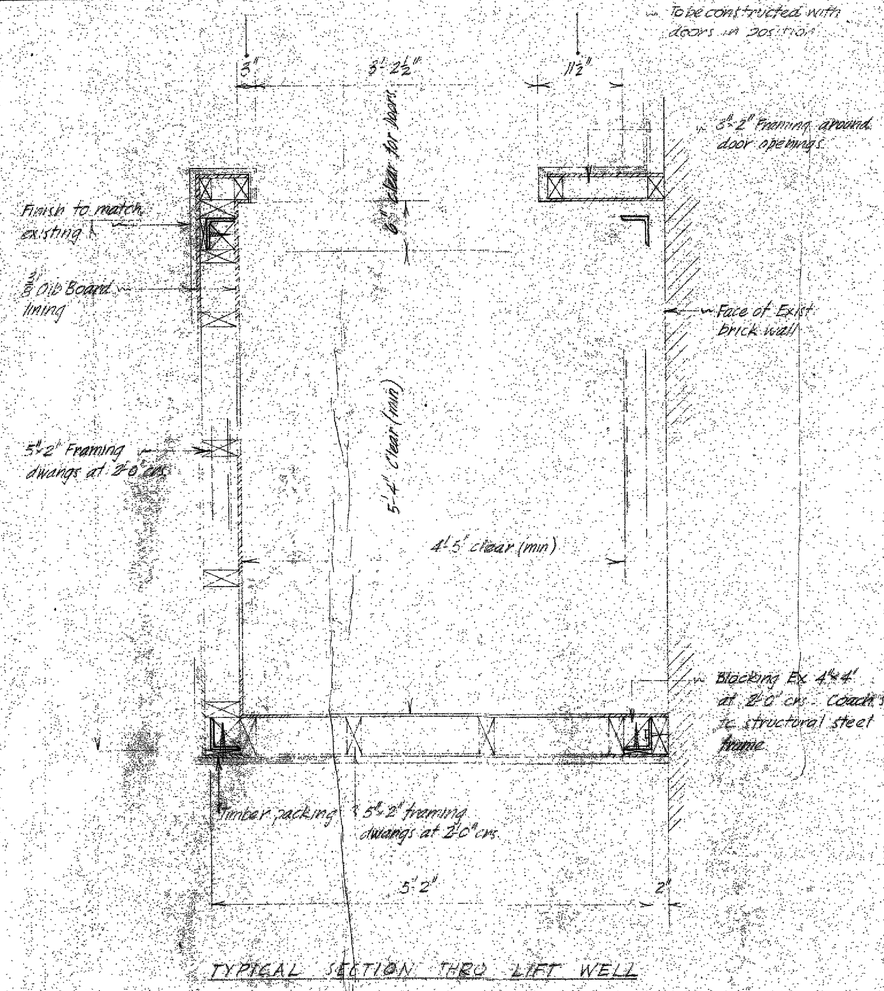
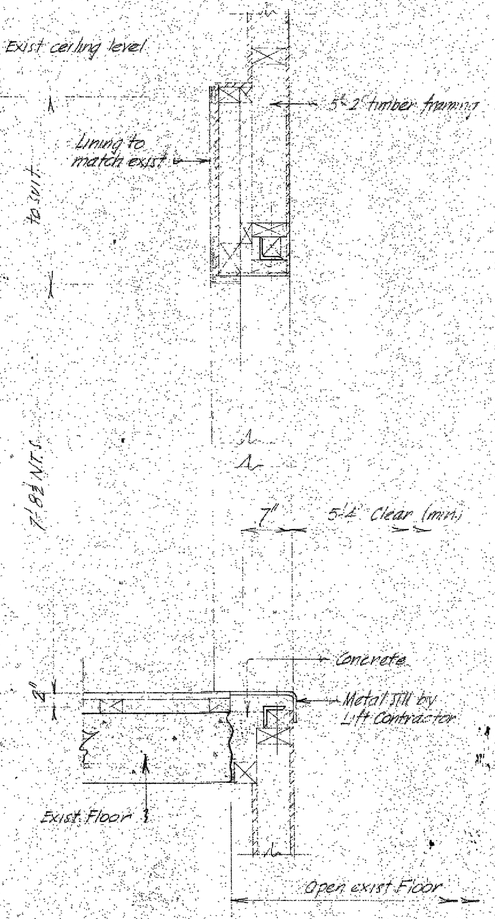


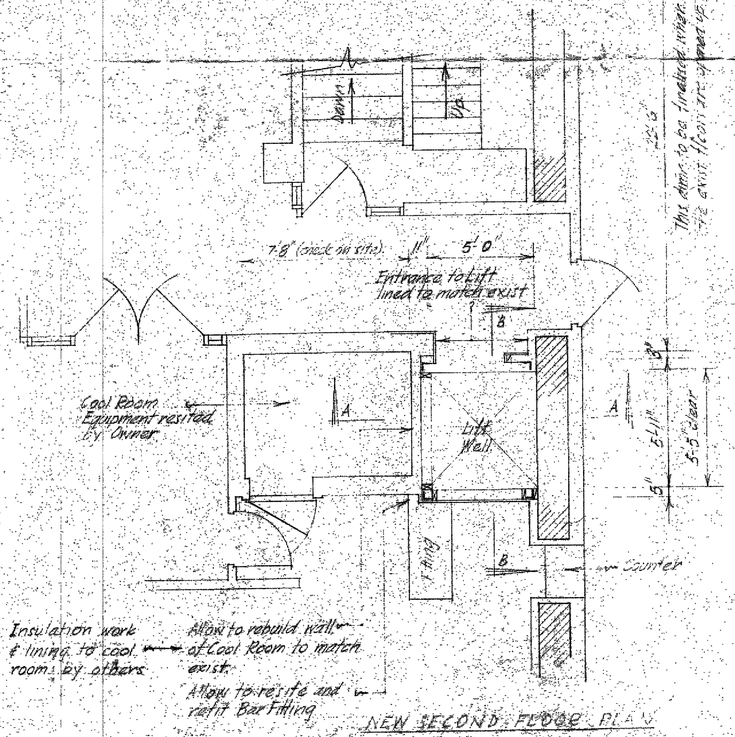
NEW ROOF & LIFT M/c ROOM PLAN



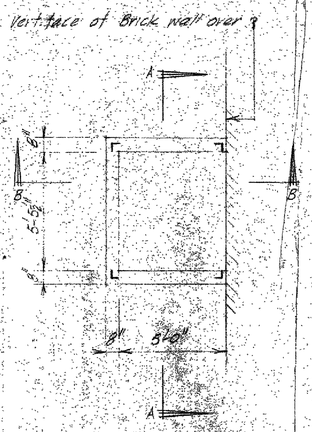
TYPICAL SECTION THRO LIFT WELL

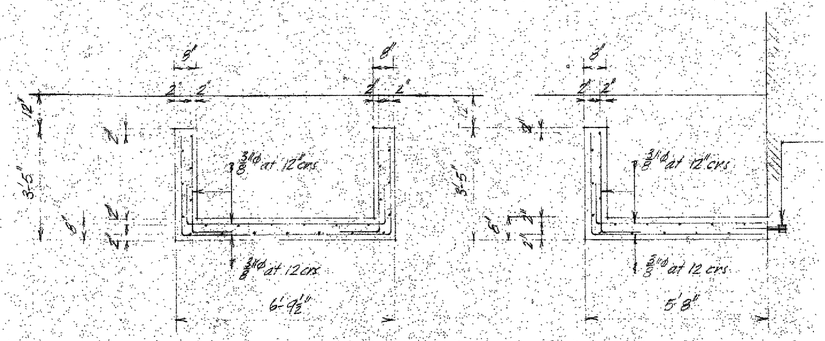


TYPICAL SECTION THRO LIFT DOORS



NEW SECOND FLOOR PLAN





SECTION A-A

SECTION B-B

NEW LIFT SHAFT & MACHINE ROOM 107-117 CUBA ST.
FOR THE WELLINGTON WORKING MENS CLUB INC.

NEW FLOOR PLANS
FRAMING DETAILS
REINFORCED CONCRETE

JOB No.	576	SCALE	¼" & 1"=1'
DATE	FEB '72	DESIGN	A.R.M.
DRAWN	A.R.M.	CHECKED	R.D.McL.
TRACED	R.L.D.	APPROVED	

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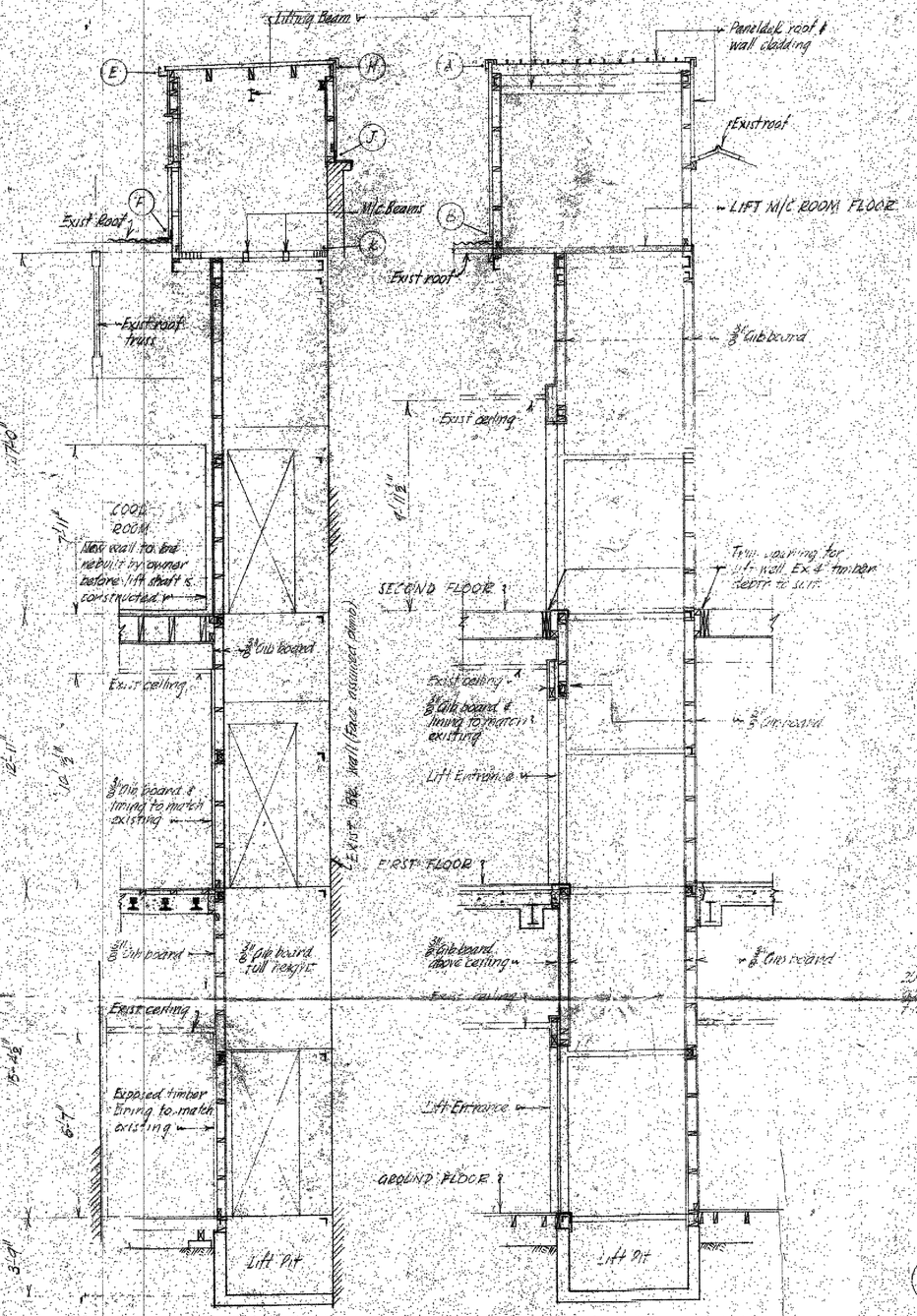
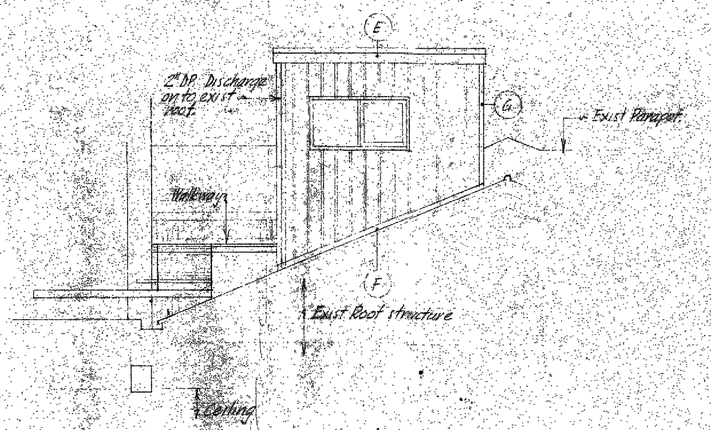
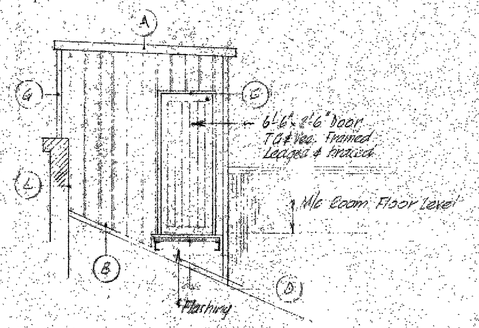


SECTION A-A

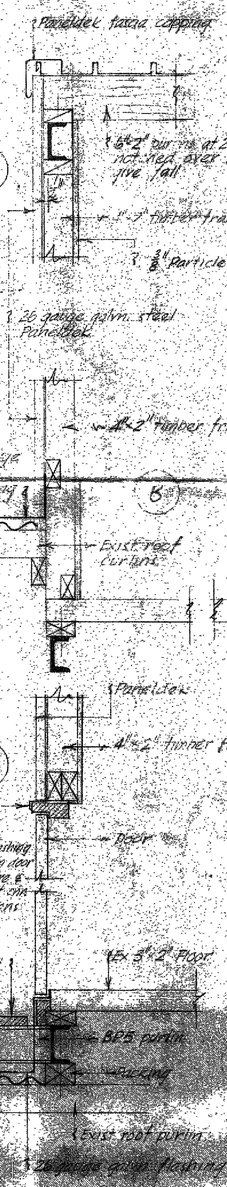
SECTION B-B

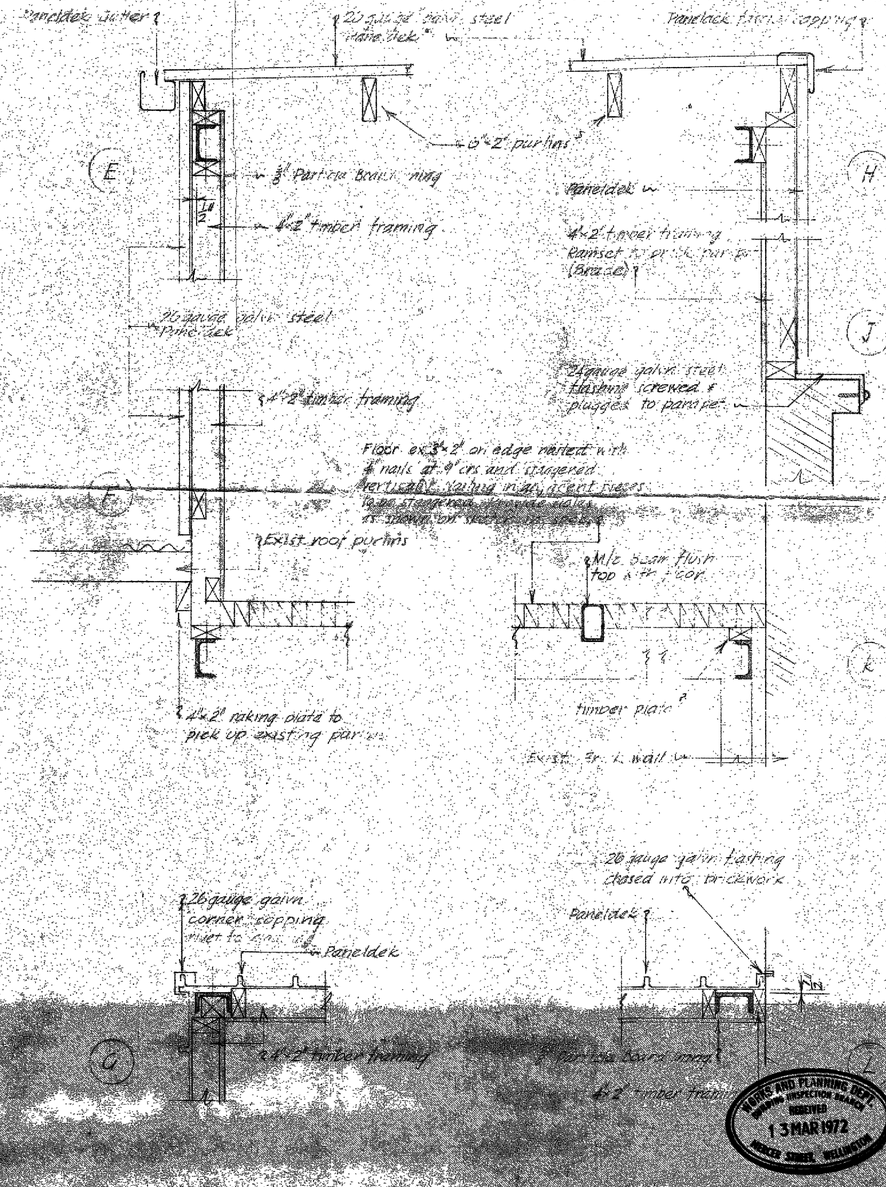


NORTH ELEVATION



EAST ELEVATION





NEW LIFT SHAFT & MACHINE ROOM 107-117 CUBA ST.
FOR THE WELLINGTON WORKING MENS CLUB INC.

ELEVATIONS & TIMBER FRAMING DETAILS

JOB No.	576	SCALE	3/4" & 1"
DATE	FEB '72	DESIGN	D.R.M.
DRAWN	D.R.M.	CHECKED	R.D.McL.
TRACED	E.L.B.	APPROVED	

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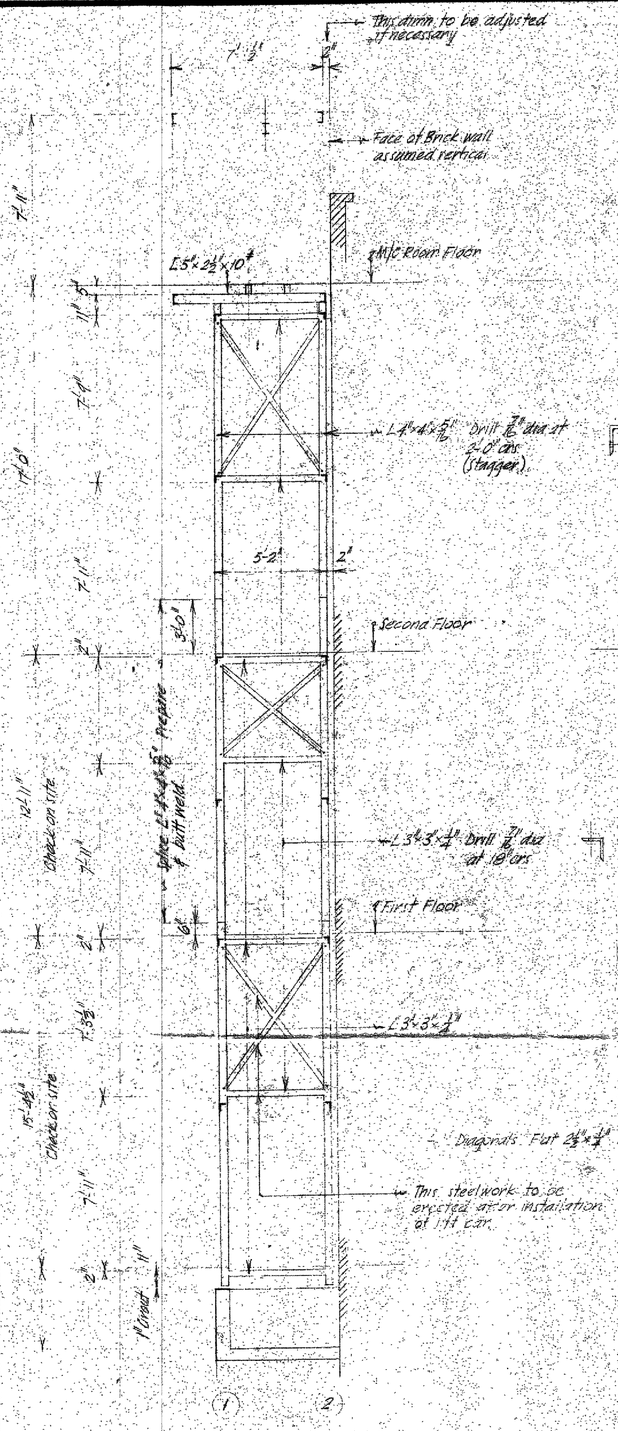
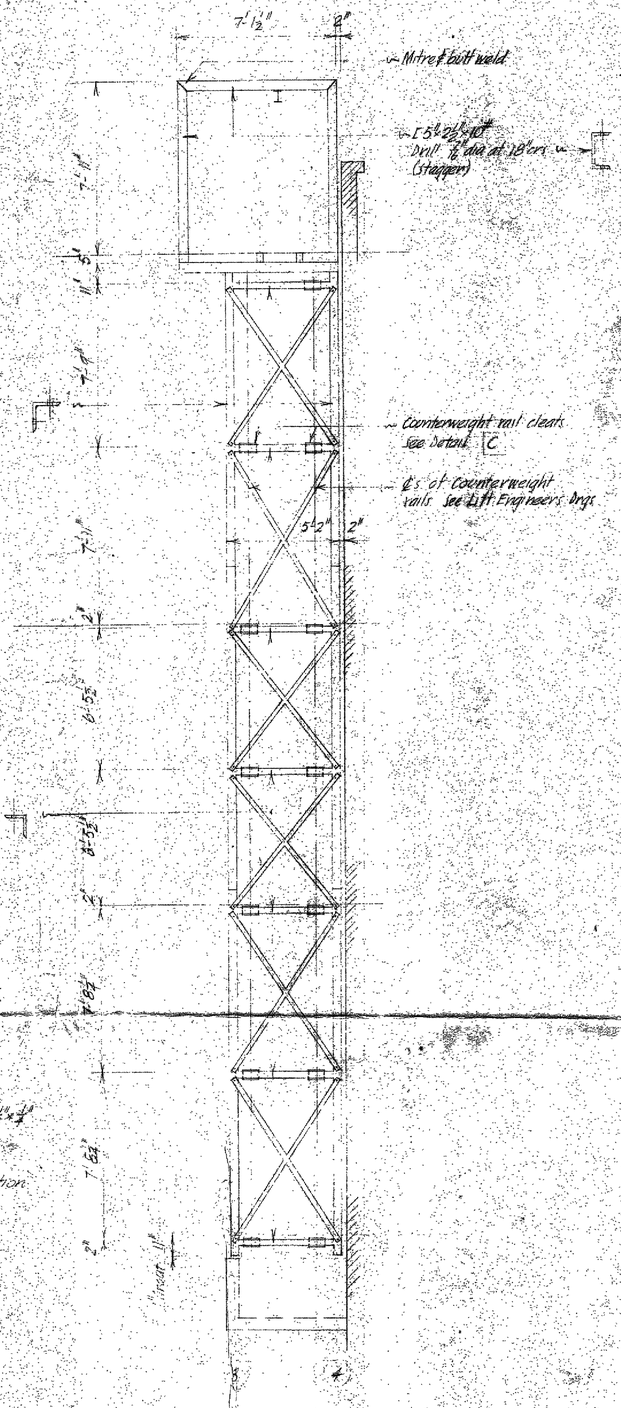
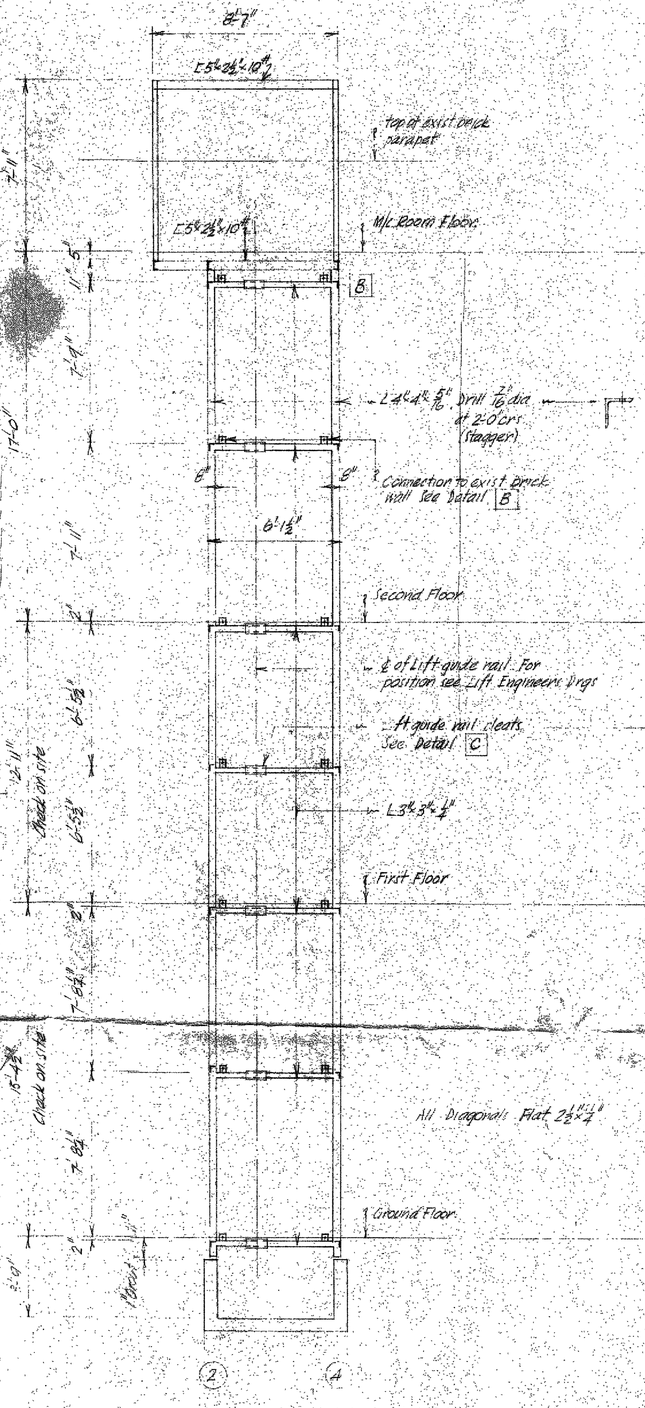


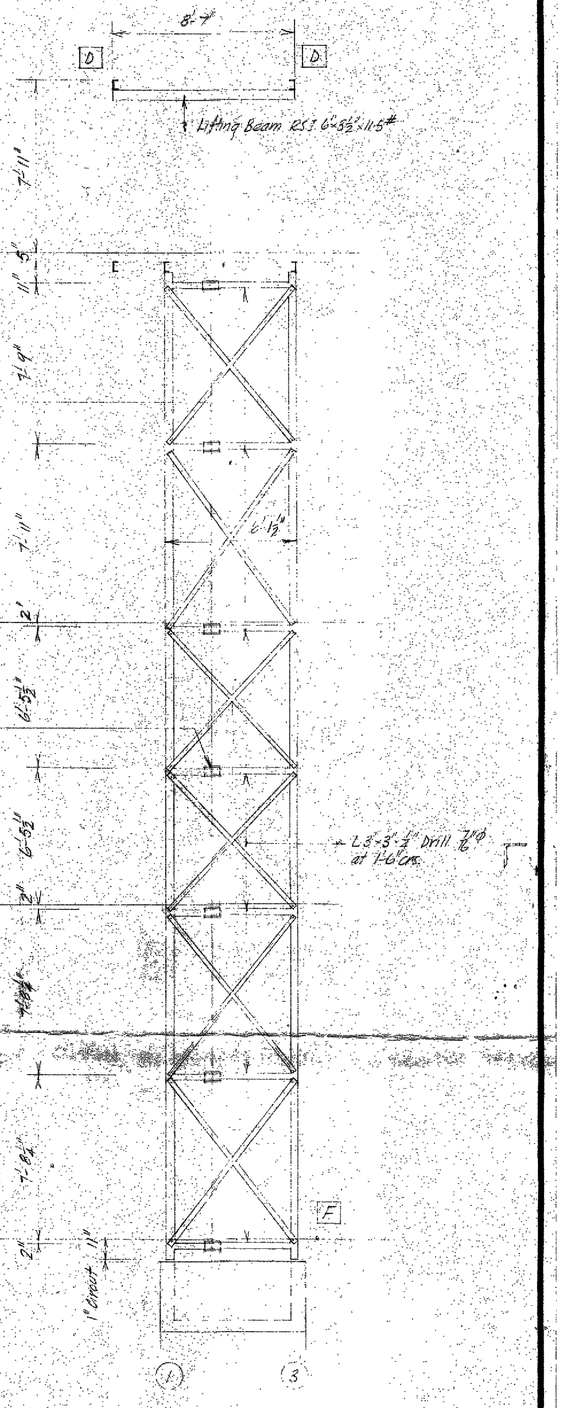
ELEVATION ON 1-2



ELEVATION ON 3-4



ELEVATION ON 2-4



ELEVATION ON 1-3

WORKS AND PLANNING DEPT. BUILDING INSPECTION BRANCH RECEIVED 13 MAR 1972 HARBOUR STREET, WELLINGTON

NEW LIFT SHAFT & MACHINE ROOM 107-117 CUBA ST. FOR THE WELLINGTON WORKING MENS CLUB INC.

ELEVATIONS ON STRUCTURAL STEEL TOWER

JOB No	576	SCALE	1/4" = 1'
DATE	FEB '72	DESIGN	D.H.M.
DRAWN	D.H.M.	CHECKED	R.D. McL.
TRACED	P.L.B.	APPROVED	

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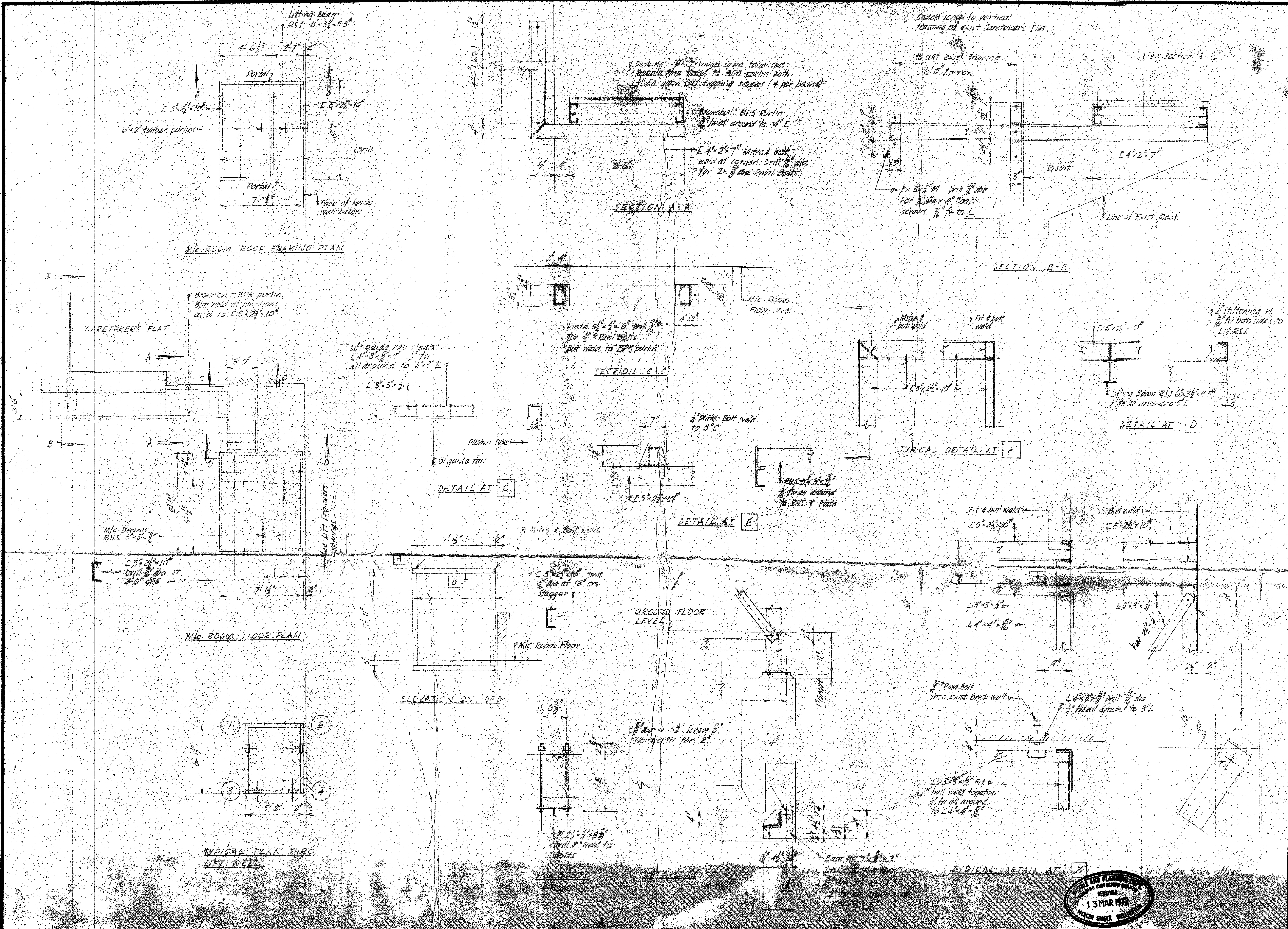

NEW LIFT SHAFT & MACHINE ROOM 107-117 CUBA ST.
FOR THE WELLINGTON WORKING MENS CLUB INC.

STRUCTURAL STEEL DETAILS

JOB No.	576	SCALE	1"=1'-0"
DATE	FEB '72	DESIGN	D.H.M.
DRAWN	D.H.M.	CHECKED	R.D.McL.
TRACED	R.A.D.	APPROVED	[illegible]

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