FOR CONTINUATION SEE DWG. E-7

STAIR No.1 — UP — DN — VESTIBULE — MALL — EXISTING LIBRARY — CORRIDOR — STAIR No.5 — ON UNDERSIDE OF STAIR LANDING — MOTOR VEHICLES — STAIR No.4

TO PANEL 'LHD' IN KITCHEN BELOW

TO PANEL 'LED' IN KITCHEN BELOW

IN PLANTER. SEE ARCH. DETAIL VESTIBULE

BRING CONDUITS DOWN IN THIS AREA TO PANELS HNB, HED & LEA IN MECHANICAL ROOM BELOW

PRESS RM. — FOYER — M — V.I.P. — STATISTICIAN — FINANCIAL ADV. — LEGAL ADV. — DUCT SPACE — STOR. — COUNCILLOR 1 — COUNCILLOR 2 — COUNCILLOR 3 — COUNCILLOR 4 — COUNCILLOR 5 — COMMISSIONER

PUBLIC GALLERY — UPPER LIBRARY & LOUNGE — OFFICE AREA — STAIR No.6 — UPPER COUNCIL CHAMBER — LIGHTS ABOVE CATWALK IN CEILING (TYP) — CONFERENCE — EX. COMM. SECRETARY

SEE DWG E-2 FOR SWITCH LOCATIONS THIS AREA

5'-0" N.T.S. — 10'-6" N.T.S. — 10'-0" N.T.S. — 8'-0" N.T.S. — 8'-0" N.T.S. — 5'-0" N.T.S. — 7'-0" N.T.S.

4'-6" — 9'-0" — 9'-0" — 6'-0" — 12'-0" — 4'-6"

- FOR COUNCIL CHAMBER LIGHTING CONTROLS SEE DETAILS 32&33/E6
- FOR SECTIONS SEE DETAIL 28/E6
- FIXTURES NOT OTHERWISE NOTED ARE TYPE 'F'

'*' DENOTES SPECIAL SWITCH INCORPORATING FAN "OFF" DELAY. SUPPLIED BY MECH.

COUNCIL CHAMBER SWITCH PANEL (ON LEVEL 1)
- 3-POTENTIOMETER SLIDE CONTROLS
- 3-ON-OFF SWITCES
- ON/OFF SWITCH FOR LIGHTS ON EMERGENCY CIRCUIT. PROVIDE LAMICOID NAMEPLATE "THESE LIGHTS WILL REMAIN ON DURING POWER FAILURE" NOTE:- CIRCUIT MUST BE ENERGIZED WHEN SWITCH IS OPEN.

COUNCIL CHAMBER LIGHTS AT 400 W. EACH

600A-3P BREAKER LIGHTING PANEL 'LCH' 115/208 V

100A-3P PRIMARY BREAKERS

7.2 KW 115V THYRISTOR DIMMERS

OUTLINE OF DIMMER PANEL

15-20A-3P SECONDARY BREAKERS

#10 B30 (TYP)

#1 #2 #3 #4 #5 #6 #7

D1-A D1-B D2-A D2-B D3-A D3-B D4-A D4-B D5-A D5-B D6-A D6-B D7-A D7-B N

32/E6 DIAGRAM-COUNCIL CHAMBER DIMMING SYSTEM

TO EMERGENCY PANEL LEA - 115/208 V CCT 2 CCT 4 N

115/24V CONTROL TRANSFORMER

15A-2P CONTACTOR, ELECTRICALLY HELD OPEN. CONTACTS CLOSE ON FAILURE OF CONTROL CIRCUIT, WHICH IS ON NORMAL POWER.

33/E6 DIAGRAM- COUNCIL CHAMBER EMERGENCY LIGHTING CONTROL

R. ROBNER ELECTRICAL ENGINEER

KEY PLAN

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada — Pacific Region

REVISIONS			
NO.	DATE	DESCRIPTION	
A	24/9/74	TYPE 'P' FIXTURES IN CATWALK ABOVE COUNCIL CHAMBER CHANGED TO TYPE 'L'. DETAIL NUMBERS ADDED. EXIT IN OFFICE AREA CHANGED FROM TYPE 'X4' TO 'X1'.	

PROJECT NO. 50857

DATE 1 APRIL 1974 — SCALE 1/8" = 1'-0"

DRAWN V. Schwaller — CHECK

APPROVED R.R.R.

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE: ELECTRICAL - LEVEL TWO WEST - LIGHTING

PROJECT TITLE: TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE, Y.T.

DRAWING NO. E6 A

FOR CONTINUATION SEE DWG. E-7

STAIR No.1 | VESTIBULE | MALL | EXISTING LIBRARY | CORRIDOR | STAIR No.6 | STAIR No.4 | MOTOR VEHICLES

TO PANEL 'LHD' IN KITCHEN BELOW

TO PANEL 'LED' IN KITCHEN BELOW

ON UNDERSIDE OF STAIR LANDING

IN PLANTER SEE ARCH. DETAIL

BRING CONDUITS DOWN IN THIS AREA TO PANELS HNB, HSD & LEA IN MECHANICAL ROOM BELOW

PRESS RM | FOYER | V.I.P | STATISTICIAN | FINANCIAL ADV. | LEGAL ADV. | DUCT SPACE | STOR. | COUNCILLOR 1 | COUNCILLOR 2 | COUNCILLOR 3 | COUNCILLOR 4 | COUNCILLOR 5 | COMMISSIONER

PUBLIC GALLERY | UPPER LIBRARY & LOUNGE | OFFICE AREA | STAIR No.5 | UPPER COUNCIL CHAMBER | CONFERENCE | EX. COMM. SECRETARY

SEE DWG E-2 FOR SWITCH LOCATIONS THIS AREA

LIGHTS ABOVE CATWALK IN CEILING (TYP)

COUNCIL CHAMBER SWITCH PANEL (ON LEVEL 1)
3-POTENTIOMETER SLIDE CONTROLS
3-ON-OFF SWITCHES
ON/OFF SWITCH FOR LIGHTS ON EMERGENCY CIRCUIT PROVIDE LAMICOID NAMEPLATE 'THESE LIGHTS WILL REMAIN ON DURING POWER FAILURE' NOTE:- CIRCUIT WILL BE ENERGIZED WHEN SWITCH IS OPEN.

COUNCIL CHAMBER LIGHTS AT 400 W. EACH

600A-3P BREAKER (PANEL LINE, PANEL 'C' 115/208 V)
100A-3P PRIMARY BREAKERS
7.2 KW 115V THYRISTOR DIMMERS
OUTLINE OF DIMMER PANEL
15-20A-3P SECONDARY BREAKERS
#10 R90 (TYP)

32/E6 DIAGRAM-COUNCIL CHAMBER DIMMING SYSTEM

TO EMERGENCY PANEL LEA - 115/208 V
CCT 2
CCT 4
N

115/24V CONTROL TRANSFORMER

15A-2P CONTACTOR, ELECTRICALLY HELD OPEN. CONTACTS CLOSE ON FAILURE OF CONTROL CIRCUIT, WHICH IS ON NORMAL POWER.

33/E6 DIAGRAM- COUNCIL CHAMBER EMERGENCY LIGHTING CONTROL

- FOR COUNCIL CHAMBER LIGHTING CONTROLS SEE DETAILS 32&33/E6
- FOR SECTIONS SEE DETAIL 29/E8
- FIXTURES NOT OTHERWISE NOTED ARE TYPE 'F'

'#' DENOTES SPECIAL SWITCH INCORPORATING FAN "OFF" DELAY. SUPPLIED BY MECH.

R. ROBNER ELECTRICAL ENGINEER

KEY PLAN

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION
A	10/9/74	TYPE 'P' FIXTURES IN CATWALK ABOVE COUNCIL CHAMBER CHANGED TO TYPE 'L'. DETAIL NUMBERS ADDED. EXIT IN OFFICE AREA CHANGED FROM TYPE 'X4' TO 'X1'.

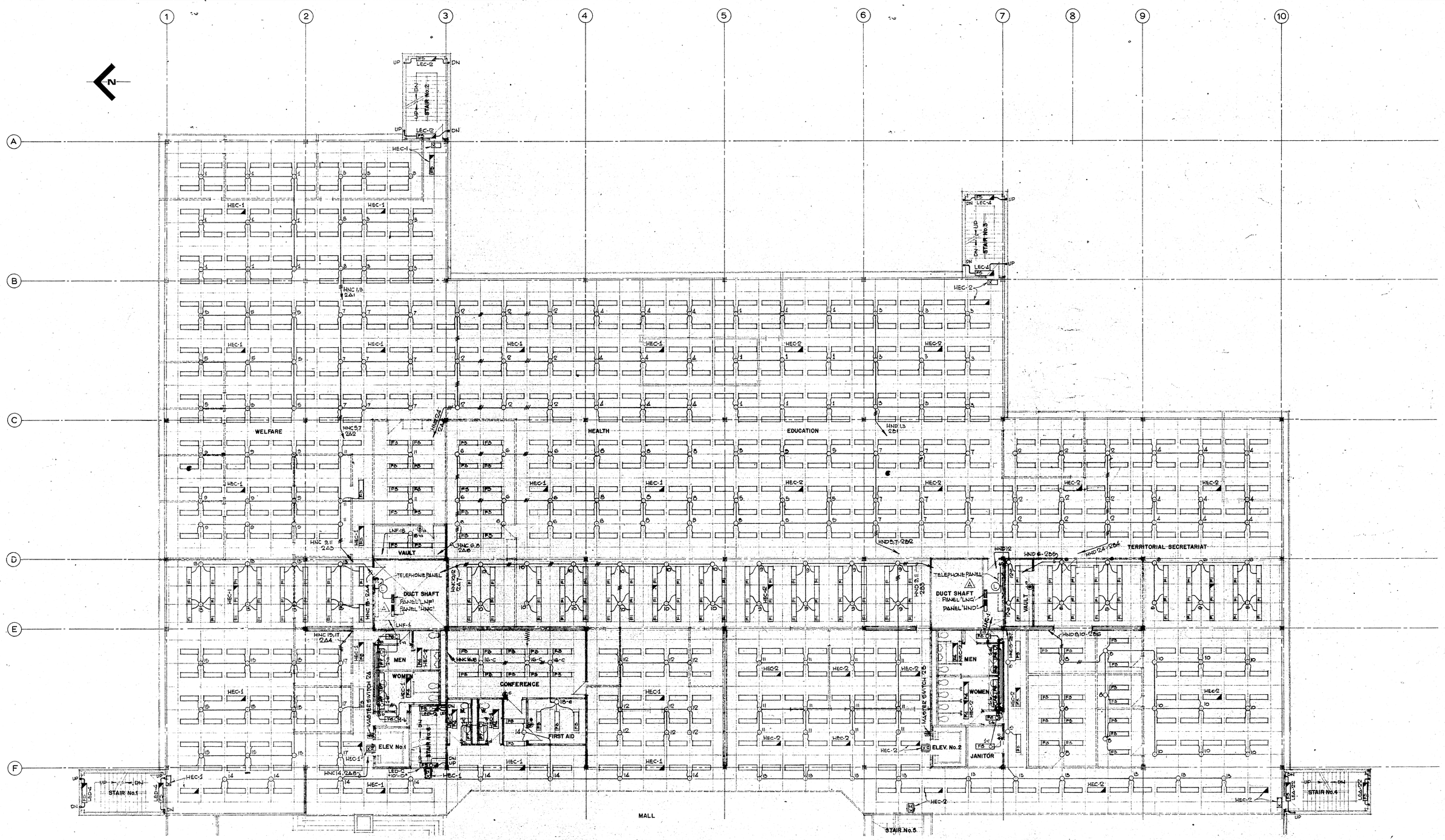
PROJECT NO. 80857
DATE 14 APRIL 1974 | SCALE 1/8" = 1'-0"
DRAWN C. Cormier | CHECK
APPROVED R.A.R.

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - LEVEL TWO WEST - LIGHTING

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E6
A



FOR CONTINUATION SEE DWG. E-6

- FIXTURES NOT OTHERWISE NOTED ARE TYPE 'F'
- PANEL 'HEC' ON LEVEL 3 ABOVE

R. HOBNER ELECTRICAL ENGINEER

KEYPLAN

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION
A	24/5/74	TYPE 'F' FIXTURES IN DUCT SHAFTS CHANGED TO TYPE 'L', TELEPHONE PANELS ADDED, PANELS LNF, HNC, LNG & HND RELOCATED.

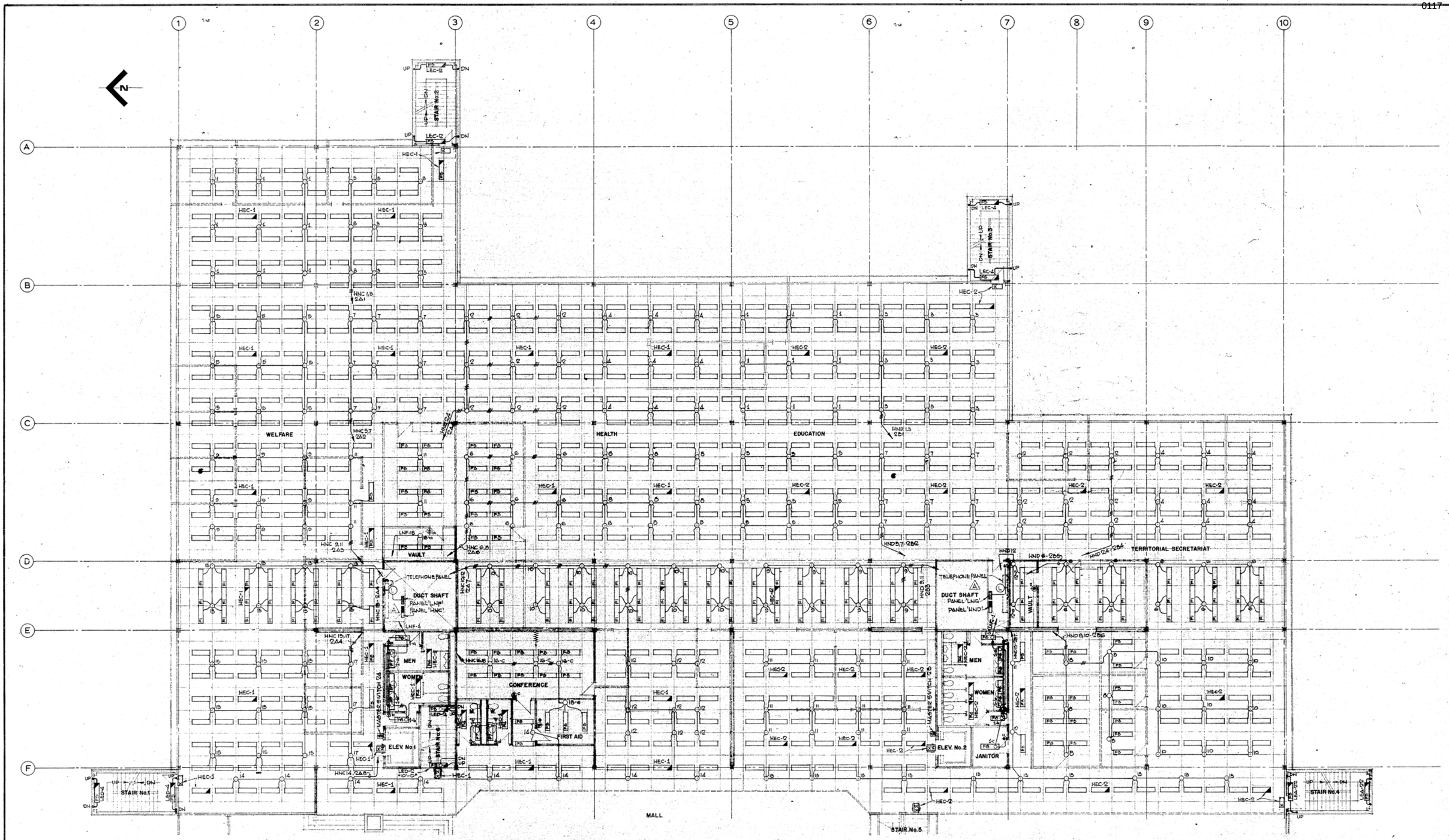
PROJECT NO. 89857
DATE 1 APR. '74
SCALE 1/8"=1'-0"
DRAWN C. Eschwater
CHECK
APPROVED R. Hobner

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL-LEVEL TWO EAST-LIGHTING

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E7
A


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
N
STAIR No.2
STAIR No.3
STAIR No.1
STAIR No.4
STAIR No.5
WELFARE
HEALTH
EDUCATION
TERRITORIAL SECRETARIAT
VAULT
DUCT SHAFT
PANEL 'LNF'
PANEL 'LNG'
PANEL 'LNH'
PANEL 'LND'
TELEPHONE PANEL
MEN
WOMEN
CONFERENCE
FIRST AID
ELEV. No.1
ELEV. No.2
JANITOR
MALL
MASTER SWITCH 24
MASTER SWITCH 28
HEC-1
HEC-2
LEC-2
LEC-4
HNC 1/8 2A1
HNC 5/7 2A0
HNC 9.11 2A3
HNC 8.6 2A6
HNC 15.17 2A4
HNC 14 2A5
HNC 12 2A7
HND 5/7 2B2
HND 12
HND 6 2B5
HND 2A 2B4
HND 8/10 2B6
HND 1/3 2B1
HNC 13 2A2
LNF-15
LNF-16
LNF-1
LNG-1
LNG-2
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LNG-39
LNG-40

0118

FOR CONTINUATION SEE DRAWING E-9

STAIR N°1

VESTIBULE

MALL

MALL

STAIR

VESTIBULE

PRESS RM

FOYER

MALL

STAIR N°4

MOTOR VEHICLES

DUCT SPACE

FINANCIAL ADV.

LEGAL ADV.

STOR.

COUNCILLOR 1

COUNCILLOR 2

COUNCILLOR 3

COUNCILLOR 4

COUNCILLOR 5

STATISTICIAN

UPPER LIBRARY

OFFICE AREA

UPPER LOUNGE

EXISTING LIBRARY

UPPER COUNCIL CHAMBER

STAIR N°8

CONFERENCE

EX-COMM. SECRETARY

COMMISIONER

TELEPHONE CABLE TRAY IN CEILING SPACE OF FLOOR BELOW. IN CEILING OF MECHANICAL ROOM (BETWEEN GRIDS H & I FROM LINE 6 TO 10) LOCATE TRAY TO SUIT DUCTWORKS & EQUIPMENT

PLYWOOD BACKING PANELS FOR TELEPHONE TERMINATIONS MOUNT VERTICALLY ON SIDE OF TRAY (TYP. OF 4)

T = ADDED TELEPHONE OUTLET. — 6 OUTLETS

P = ADDED POWER OUTLET — NIL

/ = OUTLET DELETED — 4 OUTLETS

KEY PLAN

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region / Pacifique

NO.	DATE	REVISIONS DESCRIPTION
1	4/10/74	OUTLET BOXES & CONDUIT FOR TV. SYSTEM ADDED, 12 RECEPTACLES.
		CCT. LINE 17 ADDED.
2	6/3/75	210' TELEPHONE CABLE TRAY ADDED & 4 PLYWOOD BACKING PANELS

PROJECT NO. 8085

DATE APRIL 1974 | SCALE 1/8" = 1'-0"

DRAWN C.S./H.M.S. | CHECK

APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE

ELECTRICAL - LEVEL TWO WEST - POWER

REVISED TELEPHONE/POWER LAYOUT 24/11/75

PROJECT TITLE

TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.

SK-E8-2

LATEST REVISION 2

PHONE FOR THIS RECORDS CENTRE?

PLYWOOD BACKING PANEL FOR TELEPHONE TERMINATIONS. (3/4" x 12" x 8') MOUNT VERTICALLY ON SIDE OF TRAY (TYPICAL)

PHONE FOR THIS UNIT SUPER?

LAYOUT FOR THIS AREA REQ'D

PHONE FOR LAND SUP.?

WELFARE

HEALTH

EDUCATION

TERRITORIAL SECRETARIAT

VAULT

MEN

WOMEN

ELEV No 1

ELEV No 2

JANITOR

VAULT 1

STAIR No 1

STAIR No 2

STAIR No 3

STAIR No 4

STAIR No 5

MALL

FIRE ALARM CONSOLE

INFORMATION: SECURITY GUARDS REQUIRE TELEPHONES?

FOR CONTINUATION SEE DWG E-8

T = ADDED TELEPHONE OUTLET - 38 OUTLETS
P = ADDED POWER OUTLET - 4 OUTLETS
/ - OUTLET DELETED - 9 OUTLETS

TELEPHONE CABLE TRAY AS SPECIFIED, IN CEILING SPACE OF FLOOR BELOW

NOTE:-
- PROVIDE 3/4" PLYWOOD BACKING FOR TELEPHONE PANELS IN BOTH DUCT SHAFTS. SPECIFIED IN DIV 6.
- PANELS LND, HND, LNF & HNC ARE FREE STANDING IN FRONT OF CATWALK RAILING. PROVIDE SUPPORT AS REQUIRED.

EXTEND TO COUNCIL BLOCK

KEY PLAN

AS BUILT - DRAWINGS

REVISIONS			
NO.	DATE	DESCRIPTION	
A	26/3/74	TELEPHONE PANELS ADDED, PANELS LNF, HNC, LNG & HND RELOCATED,	
		TELEPHONE CABLE TRAYS ADDED, FIRE ALARM CONSOLE LOCATED.	
1	4/10/74	T.V. OUTLETS & CONDUIT SYSTEM ADDED.	
2	7/8/75	40' TELEPHONE CABLE TRAY & 16' PLYWOOD BACKING PANELS ADDED.	

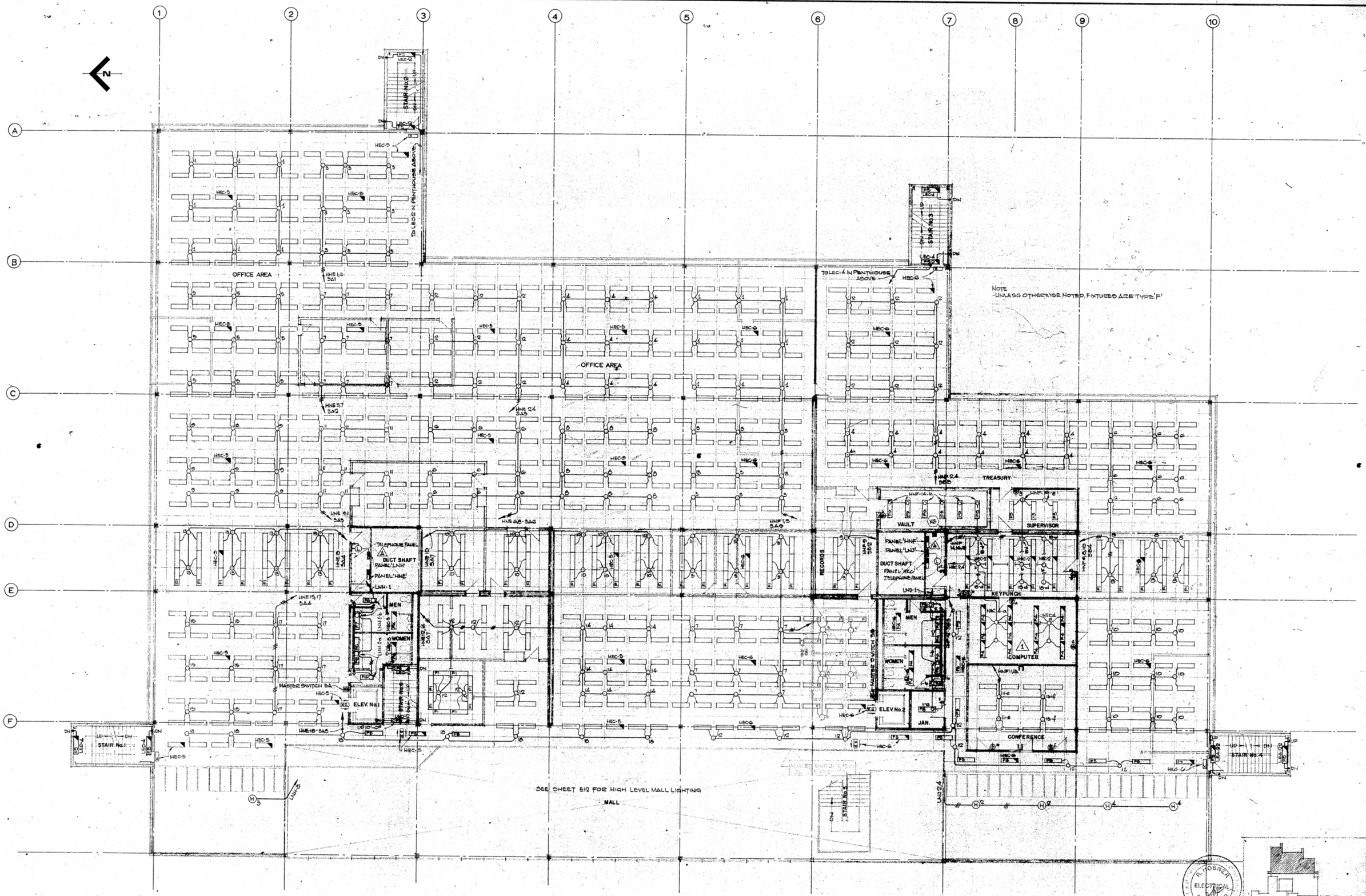
PROJECT NO. 89857
DATE 14th FEB 1974
SCALE 1/8" = 1'-0"
DRAWN R.H.H.
CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - LEVEL TWO EAST - POWER
REVISED TEL & POWER OUTLETS 24/11/75

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
SK-E9-R/2
LATEST REVISION
ADDENDUM



Note
-Unless otherwise noted, fixtures are type 'F'

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

NO.	DATE	REVISIONS DESCRIPTION
A	24/5/74	TYPE 'P' FIXTURES IN DUCT SHAFT CHANGED TO TYPE 'L', TELEPHONE PANELS ADDED. PANELS LNH, HNE, HNF, LNJ & HEC RELOCATED, TRANSFORMER XB LOCATED, PANEL LEB SHOWN.
1	16/5/75	COMPUTER EQ. LTD. REVISED-DELETE 8'F2', ADD 12 'H4' FIXTURES.

PROJECT NO. 25857
DATE APRIL 1974
SCALE 1/8"=1'0"
DRAWN Caulfield
CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

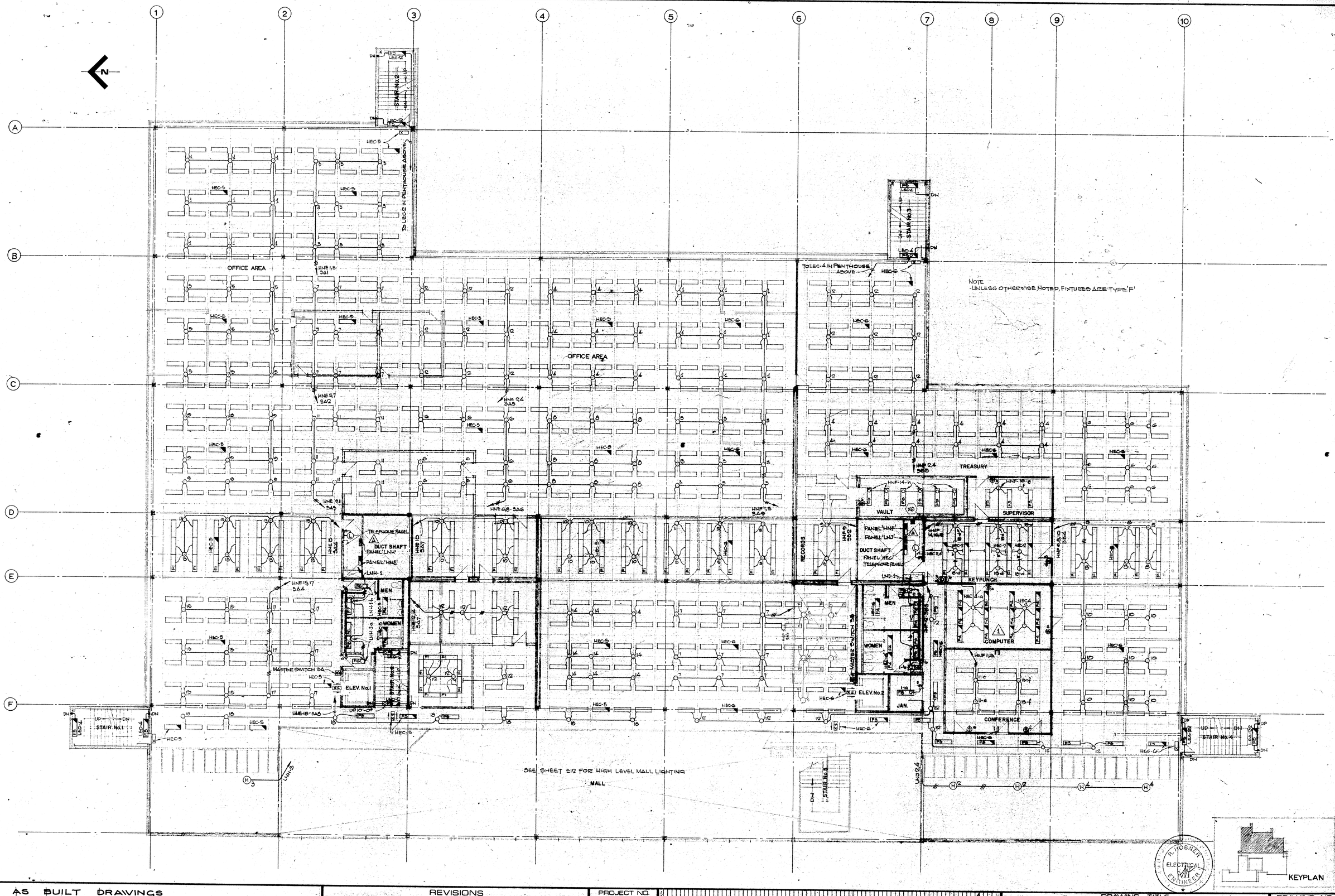
DRAWING TITLE
ELECTRICAL - LEVEL THREE - LIGHTING

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E10
LATEST REVISION ADDENDUM 4

R. HOBNER ELECTRICAL ENGINEER

KEYPLAN



AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

NO.	DATE	REVISIONS DESCRIPTION
A	24/5/74	TYPE 'P' FIXTURES IN DUCTSHAFT CHANGED TO TYPE 'L', TELEPHONE PANELS ADDED. PANELS LNH, HNE, HNF, LNJ & HEC RELOCATED, TRANSFORMER XG LOCATED, PANEL LEB SHOWN.
1	16/5/75	COMPUTER RM. LTG. REVISED-DELETE 8'F2', ADD 12 '4' FIXTURES.

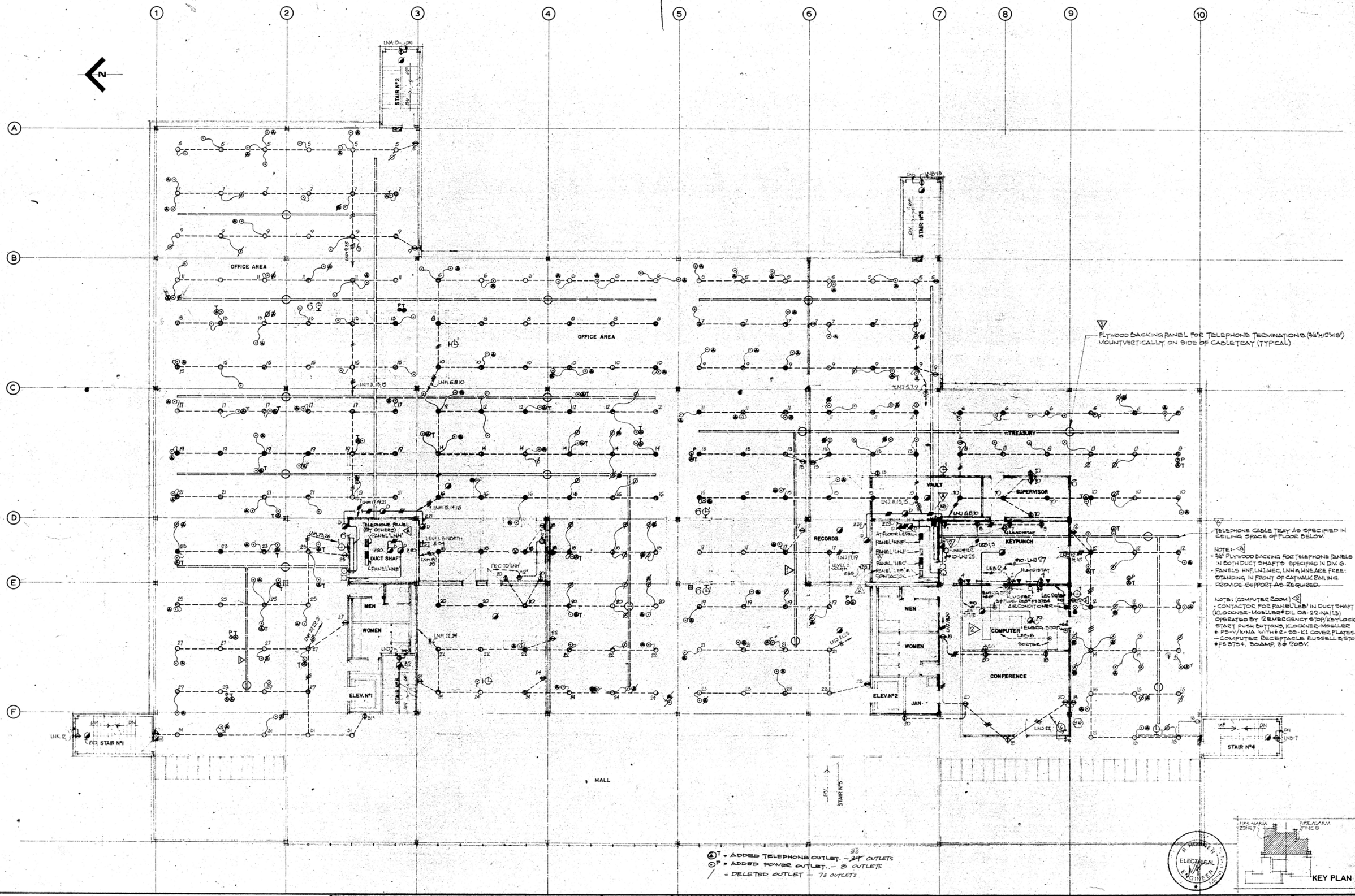
PROJECT NO. 73857
DATE APRIL 1974
SCALE 1/8"=1'-0"
DRAWN Caulfield
CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - LEVEL THREE - LIGHTING

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E10
LATEST REVISION ADDENDUM 4



AS BUILT DRAWINGS

[redacted]

NO.	DATE	REVISIONS DESCRIPTION
A	24/5/74	TELEPHONE PANELS ADDED, PANELS HNF, LNJ, HEC, LNH & HNE RELOCATED.
		TELEPHONE CABLE TRAY ADDED, TRANSFORMER X/G LOCATED.
1	8/5/75	80' TELEPHONE CABLE TRAY ADDED & 16 PLYWOOD BACKING PANELS.
2	15/5/75	COMPUTER ROOM REVISED, HUMIDIFIERS & A/C ADDED

PROJECT NO. 8B867
DATE 14 APRIL 1974
SCALE 1/8" = 1'-0"
DRAWN K.H.A. / C.M.
CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - LEVEL THREE - POWER
REVISED TELEPHONE & POWER LAYOUT 24/11/75

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y. T.

DRAWING NO.
SK-**E11**
LATEST REVISION 2
AS-BUILT

MOUNT SWITCH BESIDE ACCESS HATCH. APPROX 10'-0" UP

COOLING TOWER

CONTROL PANEL

MECHANICAL ROOM

STAFF

ELEVATOR No.1 MACHINE ROOM

ELEVATOR No.2 MACHINE ROOM

STAIR No.1

STAIR No.4

MALL

SEE DRG E-10 FOR LOW LEVEL MALL LIGHTING

SEE DRG E-10 FOR LOW LEVEL MASS LIGHTING

NORTH AIR HANDLING SYSTEM

SOUTH AIR HANDLING SYSTEM

EXHAUST FAN CONTROL PANEL. SEE 55/E24

SELECTOR SWITCH FOR P5. SEE 54/E24

SELECTOR SWITCH FOR P7. SEE DETAIL 54/E24

10 VOLT FEED

NOTE:
1. FANS K7, K8, K9, K10 & K11 FED THROUGH EXHAUST FAN CONTROL PANEL.
2. PUMP P5 FED THROUGH SELECTOR SWITCH ADJACENT TO PANEL 'LNK'
3. PUMP P7 FED THROUGH SELECTOR SWITCH ADJACENT TO PANEL 'LEC'

AS BUILT DRAWINGS

Public Works Travaux publics Canada Canada Pacific Region

NO.	DATE	REVISIONS DESCRIPTION
A	24/9/76	CONTROL PANEL & SELECTOR SWITCHES ADDED AT MCC #1 & 2. HP SIZES FOR PUMPS P4 & P6 CHANGED FROM ¼ TO 1 HP. CIRCUIT FOR F5 ADDED, TRANSFORMER Y9 LOCATED.
B	11/8/76	NOTE "10 VOLT FEED" ADDED AT E1 & E2

PROJECT NO. 8287

DATE 14 JULY 1976 SCALE 1/8"=1'-0"

DRAWN G.S./H.M.B. CHECK

APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - PENTHOUSE - LIGHTING & POWER

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y. T.

DRAWING NO.
E12
A

R. HOBNER ELECTRICAL ENGINEER

LIGHTING - LEVEL 1 NORTH

PANEL HNA

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 90 AMPS
FEEDER WIRE SIZE- 4-#4 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. CENTRAL RECORDS STOR.	2700 15A-SP	1 2	2000 15A-SP	LTG. CORRIDOR
↓	2000 15A-SP	3 4	400 15A-SP	"
	3200 15A-SP	5 6	1000 15A-SP	LTG. VAULT
↓	3400 15A-SP	7 8	800 15A-SP	LTG. TELEPHONE ROOM
LTG. LOADING BAY	1500 15A-SP	9 10	400 15A-SP	LTG. ELEC. ROOM
LTG. MAIL ROOM	1800 15A-SP	11 12	400 15A-SP	LTG. SPRINKLER ROOM
LTG. PURCHASING	2300 15A-SP	13 14	800 15A-SP	LTG. STAFF ROOM
	3000 15A-SP	15 16	1200 15A-SP	LTG. STORAGE
↓	2000 15A-SP	17 18	3500 15A-SP	LTG. CLUBING PRINTER
LTG. TOURISM STORAGE	2700 15A-SP	19 20	3500 15A-SP	LTG. CAFETERIA
SPARE		21 22	1200 15A-SP	"
GARBAGE COMPACTOR Y4	5HP 15A-3P	23 24	15A-SP	SPARE
		25 26		SPACE
↓		27 28		↓
SPACE		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 1 SOUTH-EAST

PANEL HNB

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 70 AMPS
FEEDER WIRE SIZE- 4-#6 R90 - 1¼" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. SUPPORT STAFF OFF. & STATIONARY	1060 15A-SP	1 2	900 15A-SP	LTG. COUNCIL OFFICE
"	3000 15A-SP	3 4	900 15A-SP	↓
LTG. STATISTICIAN	600 15A-SP	5 6	900 15A-SP	
LTG. FINANCIAL ADVISOR	400 15A-SP	7 8	900 15A-SP	LTG. ASST. COMMISIONER
LTG. LEGAL ADVISOR	400 15A-SP	9 10	900 15A-SP	↓
LTG. PRESS ROOM	600 15A-SP	11 12	15A-SP	SPARE
"	600 15A-SP	13 14	15A-SP	"
LTG. V.I.P. OFFICE	800 15A-SP	15 16		SPACE
SPACE		17 18		
		19 20		↓
LTG. EXHIBITS	200 15A-SP	21 22	1000 15A-SP	LTG. CONFERENCE ROOM
LTG. TOURIST/ GAME COUNTER	500 15A-SP	23 24	2000 15A-SP	"
LTG. CAUCUS	800 15A-SP	25 26	900 15A-SP	LTG. TYPING
LTG. OPP. LEADER	800 15A-SP	27 28	800 15A-SP	LTG. TAPE TRANSCRIPTION
LTG. SPEAKER	800 15A-SP	29 30	200 15A-SP	LTG. ANTE ROOM
LTG. CAUCUS	800 15A-SP	31 32	2800 15A-SP	LTG. LEVEL I OFFICE AREA
SPARE		33 34	2000 15A-SP	"
SPACE		35 36		SPACE
↓		37 38		↓
		39 40		
		41 42		

LIGHTING - LEVEL 2 NORTH

PANEL HNC

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. WELFARE	3400 15A-SP	1 2	3100 15A-SP	LTG. HEALTH
↓	2700 15A-SP	3 4	3400 15A-SP	↓
	3400 15A-SP	5 6	1300 15A-SP	
	2400 15A-SP	7 8	2100 15A-SP	LTG. ASST. COMMISIONER
	2300 15A-SP	9 10	3900 15A-SP	↓
	1500 15A-SP	11 12	2400 15A-SP	
	2200 15A-SP	13 14	1900 15A-SP	LTG. MALL BALCONY
	3400 15A-SP	15 16	1000 15A-SP	LTG. CONFERENCE
	800 15A-SP	17 18	800 15A-SP	LTG. 1ST AID
SPARE		19 20	200 15A-SP	LTG. SECURITY
"	15A-SP	21 22	15A-SP	SPARE
SPACE		23 24		SPACE
↓		25 26		↓
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 2 SOUTH

PANEL HND

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. EDUCATION	3400 15A-SP	1 2	2700 15A-SP	LTG. TERRITORIAL SECRETARIAT
↓	3300 15A-SP	3 4	2000 15A-SP	↓
	2700 15A-SP	5 6	2600 15A-SP	
	2300 15A-SP	7 8	1000 15A-SP	
LTG. MAIN RECEPT. AREA	2300 15A-SP	9 10	2000 15A-SP	
↓	3400 15A-SP	11 12	200 15A-SP	LTG. SECURITY
LTG. MALL BALCONY	2400 15A-SP	13 14	15A-SP	SPARE
SPARE		15 16	15A-SP	"
SPACE		17 18		SPACE
↓		19 20		↓
		21 22		
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 3 NORTH

PANEL HNE

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. NORTH OFFICE AREA	3400 15A-SP	1 2	3400 15A-SP	LTG. COUNTER OFFICE AREA
↓	2300 15A-SP	3 4	3400 15A-SP	↓
	3400 15A-SP	5 6	2300 15A-SP	
	2300 15A-SP	7 8	2000 15A-SP	
	2300 15A-SP	9 10	2600 15A-SP	
	2000 15A-SP	11 12	2400 15A-SP	
	3100 15A-SP	13 14	2400 15A-SP	
	2300 15A-SP	15 16		SPARE
	2200 15A-SP	17 18	1100 15A-SP	LTG. MALL BALCONY
		19 20		SPARE
SPARE	15A-SP	21 22	15A-SP	"
SPACE		23 24		SPACE
↓		25 26		↓
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 3 SOUTH

PANEL HNF

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 2-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. CENTER OFFICE AREA	3400 15A-SP	1 2	2800 15A-SP	LTG. TREASURY
↓	2300 15A-SP	3 4	3400 15A-SP	↓
	3200 15A-SP	5 6	2400 15A-SP	
	2700 15A-SP	7 8	1400 15A-SP	
LTG. RECORDS & OFFICE AREA	800 15A-SP	9 10	2900 15A-SP	
LTG. CONFERENCE AREA	600 15A-SP	11 12	1500 15A-SP	LTG. MALL BALCONY
"	600 15A-SP	13 14	600 15A-SP	LTG. VAULT
SPARE		15 16	300 15A-SP	LTG. SUPERVISOR
	15A-SP	17 18	1000 15A-SP	LTG. KEY PUNCH
↓	15A-SP	19 20		SPACE
SPACE		21 22		
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 1 SOUTH

PANEL HNH

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- FLUSH FEEDER- 50 AMPS
FEEDER WIRE SIZE- 4-#8 R90 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. CORRECTIONS	2000 15A-SP	1 2	2000 15A-SP	LTG. TOURISM/ GAMES
"	2200 15A-SP	3 4	1400 15A-SP	↓
LTG. ART ROOM	1000 15A-SP	5 6	3300 15A-SP	
LTG. DARK ROOM	200 15A-SP	7 8	2400 15A-SP	
LTG. STORAGE	600 15A-SP	9 10	1100 15A-SP	
STAIRS	15A-SP	11 12	2400 15A-SP	
"	15A-SP	13 14	15A-SP	SPARE
SPACE		15 16		SPACE
↓		17 18		↓
		19 20		
		21 22		
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER - SIDEWALK HEATING

PANEL HNJ

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 225 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-# 2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
HEATER A1 - A2	90 KW 50A-3P	1 2	30 KW 40A-3P	HEATER B1, B2, B3
↓		3 4		
		5 6		↓
HEATER C1	44 KW 20A-3P	7 8		SPACE
" C2	44 KW 20A-3P	9 10		
" C3	44 KW 20A-3P	11 12		
SPACE		13 14		
↓		15 16		
		17 18		
		19 20		
		21 22		↓
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER - LEVEL 1 NORTH

PANEL LNA

VOLTAGE- 120/208 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 70 AMPS
FEEDER WIRE SIZE- 4-#6 R90 - 1¼" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. WASHROOMS	810 15A-SP	1 2	15A-SP	SPARE
3 RECEPT. STAIR #2	900 15A-SP	3 4	300 15A-SP	3 RECEPT. RECORDS
5 RECEPT. PURCHASING	500 15A-SP	5 6	700 15A-SP	7 RECEPT. RECORDS
5	500 15A-SP	7 8	500 15A-SP	5 RECEPT. LOBBY
5	500 15A-SP	9 10	15A-SP	MAIL & LOADING
SHREDDER J3	5 HP 40A-3P	11 12	2.8 1/2 15A-SP	SPARE
		13 14	140 15A-SP	UNIT HEATERS Q7
SPARE	15A-SP	15 16	1/8 15A-SP	UNIT HEATERS Q19
SPACE		17 18		FAN K-16
		19 20		SPARE
		21 22		SPACE
		23 24		↓
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER - LEVEL 1 SOUTH

PANEL LNB

VOLTAGE- 120/208 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- FLUSH FEEDER- 50 AMPS
FEEDER WIRE SIZE- 4-#8 R90 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
2 RECEPT. DARKROOM	500 15A-SP	1 2	500 15A-SP	5 RECEPT. TOURISM/GAMES
2	500 15A-SP	3 4	600 15A-SP	6
1	250 15A-SP	5 6	600 15A-SP	6
3 RECEPT. STAIR #1	300 15A-SP	7 8	700 15A-SP	7
5 RECEPT TOURISM/GAMES	500 15A-SP	9 10	400 15A-SP	4
3 RECEPT MALL	300 15A-SP	11 12	400 15A-SP	4
3 RECEPT STAIR #3	300 15A-SP	13 14	400 15A-SP	4
5 RECEPT CORRECTIONS	500 15A-SP	15 16	600 15A-SP	6 RECEPT. CORRECTIONS
1 RECEPT CORRECTIONS	1000 15A-SP	17 18	800 15A-SP	8
SPARE	15A-SP	19 20	15A-SP	SPARE
DARKROOM FAN K17	1/15 15A-SP	21 22	15A-SP	SPACE
SPACE		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER - QUEENS PRINTER

PANEL LNC

VOLTAGE- 120/208 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- FLUSH FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
1 RECEPT.	250 15A-SP	1 2	250 15A-SP	1 RECEPT.
↓	250 15A-SP	3 4	250 15A-SP	↓
	250 15A-SP	5 6	250 15A-SP	
PADDING MACHINE	750 15A-SP	7 8	15A-SP	ELECTRIC STAPLER
ETCHER	15A-SP	9 10	14A 30A-SP	GAVIN 220
"	15A-SP	11 12	14A 20A-SP	GAVIN 230
SHREDDER	1/6 HP 15A-SP	13 14	3A 15A-SP	TTR ROTO OFFSET
JOGGER	15A-SP	15 16	3A 15A-SP	"
GESTETNER	15A-SP	17 18	15A-SP	ROTOPLANOGOP
BINDER	2A 15A-SP	19 20	10A 15A-SP	COLLATOR
"	5.5A 15A-SP	21 22	25A 30A-3P	XEROX
PAPERCUTTER	7A 15A-SP	23 24		
SPARE	15A-SP	25 26		
SPACE	15A-SP	27 28		SPARE
↓	15A-SP	29 30	15A-SP	
		31 32		SPACE
		33 34		↓
		35 36		
		37 38		
		39 40		
		41 42		

POWER - KITCHEN

PANEL LND

VOLTAGE- 120/208 3 PHASE, 4 WIRE. BUS- 225 AMPS
MOUNTING- FLUSH FEEDER- 150 AMPS
FEEDER WIRE SIZE- 4-#1/0 R90 - 2" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
5 RECEPT. CORR./STOR	900 15A-SP	1 2	750 15A-SP	LTG. COUNTER
UNIT HEATER Q8	1/20 15A-SP	3 4	1050 15A-SP	LTG. LIBRARY CORRIDOR
3 RECEPT STAIR #6	300 15A-SP	5 6	600 15A-SP	LTG. MALL PLANTER
TOASTER	5.0 KW 20A-2P	7 8	1½ HP 15A-2P	CARBURETOR
"		9 10		"
ICE MACHINE	1 KW 15A-2P	11 12	15A-SP	CASHIER
"		13 14	15A-SP	BEVERAGE COOLER
DISHWASHER FAN	1/4 HP 15A-SP	15 16	1.2 KW 20A-2P	DISHWASHER
DEEP FRY/ BROILER	12 KW 50A-3P	17 18	5 KW 20A-3P	GRIDDLE
		19 20		
		21 22		↓
DHW BOOSTER	12 KW 50A-3P	23 24	1000 15A-SP	2 RECEPT. KITCHEN
		25 26	1000 15A-SP	"
		27 28	15A-SP	SPARE
SPARE		29 30	15A-SP	"
SPACE	15A-SP	31 32		SPACE
↓		33 34		↓
		35 36		
		37 38		
		39 40		
		41 42		

C.B.C. SITE
S.S.S. CK. B.C.S.

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS NO.	DATE	DESCRIPTION

PROJECT NO. 8347
DATE [illegible] SCALE —
DRAWN C.S. CHR CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL-PANEL SCHEDULES

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E13

LATEST REVISION 2

R. HOBLER ELECTRICAL ENGINEER

0124

LIGHTING - LEVEL 1 NORTH

PANEL HNA

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 90 AMPS
FEEDER WIRE SIZE- 4-#3 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. CENTRAL RECORDS STOR.	2700 15A-SP	1 2	2000 15A-SP	LTG. CORRIDOR
↓	2800 15A-SP	3 4	400 15A-SP	"
	3200 15A-SP	5 6	1000 15A-SP	LTG. VAULT
	3400 15A-SP	7 8	800 15A-SP	LTG. TELEPHONE ROOM
LTG. LOADING BAY	1500 15A-SP	9 10	400 15A-SP	LTG. ELEC. ROOM
LTG. MAIL ROOM	1800 15A-SP	11 12	400 15A-SP	LTG. SPRINKLER ROOM
LTG. PURCHASING	2300 15A-SP	13 14	800 15A-SP	LTG. STAFF ROOM
	3000 15A-SP	15 16	1200 15A-SP	LTG. STORAGE
	2000 15A-SP	17 18	3500 15A-SP	LTG. CLERKS PRINTER
LTG. TOURISM STORAGE	2700 15A-SP	19 20	3500 15A-SP	LTG. CAFETERIA
SPARE	15A-SP	21 22	1000 15A-SP	"
GARBAGE COMPACTOR Y4	5HP 15A-3P	23 24	SPARE 15A-SP	SPARE
		25 26		SPACE
		27 28		↓
SPACE		29 30		
		31 32		
		33 34		
		36 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 1 SOUTH-EAST

PANEL HNB

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 70 AMPS
FEEDER WIRE SIZE- 4-#6 R90 - 1¼" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. SUPPORT STAFF OFF. & STATIONARY	1060 15A-SP	1 2	900 15A-SP	LTG. COUNCIL OFFICE
"	3000 15A-SP	3 4	900 15A-SP	↓
LTG. STATISTICIAN	600 15A-SP	5 6	900 15A-SP	
LTG. FINANCIAL ADVISOR	400 15A-SP	7 8	900 15A-SP	LTG. ASST. COMMISSIONER
LTG. LEGAL ADVISOR	400 15A-SP	9 10	900 15A-SP	
LTG. PRESS ROOM	600 15A-SP	11 12	SPARE 15A-SP	SPARE
"	600 15A-SP	13 14	15A-SP	"
LTG. V.I.P. OFFICE	800 15A-SP	15 16		SPACE
SPACE		17 18		↓
		19 20		
LTG. EXHIBITS	200 15A-SP	21 22	1000 15A-SP	LTG. CONFERENCE ROOM
LTG. TOURIST/ GAME. COUNTER	500 15A-SP	23 24	2000 15A-SP	"
LTG. CAUCUS	800 15A-SP	25 26	900 15A-SP	LTG. TYPING
LTG. OPP. LEADER	800 15A-SP	27 28	800 15A-SP	LTG. TAPE TRANSCRIPTION
LTG. SPEAKER	800 15A-SP	29 30	200 15A-SP	LTG. ANTE ROOM
LTG. CAUCUS	800 15A-SP	31 32	2800 15A-SP	LTG. LEVEL I OFFICE AREA
SPARE	15A-SP	33 34	2000 15A-SP	"
SPACE		35 36		SPACE
↓		37 38		↓
		39 40		
		41 42		

LIGHTING - LEVEL 2 NORTH

PANEL HNC

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. NEWSAPE	3400 15A-SP	1 2	3100 15A-SP	LTG. HEALTH
	2700 15A-SP	3 4	3400 15A-SP	↓
	3400 15A-SP	5 6	1300 15A-SP	
	2400 15A-SP	7 8	2100 15A-SP	
	2900 15A-SP	9 10	3900 15A-SP	
	1500 15A-SP	11 12	2400 15A-SP	
	2200 15A-SP	13 14	1900 15A-SP	LTG. MAIL BALCONY
	3400 15A-SP	15 16	1000 15A-SP	LTG. CONFERENCE
	800 15A-SP	17 18	900 15A-SP	LTG. 1ST AID
SPARE		19 20	200 15A-SP	LTG. SECURITY
"	15A-SP	21 22	SPARE 15A-SP	SPARE
SPACE		23 24		SPACE
↓		25 26		↓
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 2 SOUTH

PANEL HND

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. EDUCATION	3400 15A-SP	1 2	2700 15A-SP	LTG. TERRITORIAL SECRETARIAT
	3300 15A-SP	3 4	2000 15A-SP	↓
	2700 15A-SP	5 6	2600 15A-SP	
	2000 15A-SP	7 8	1000 15A-SP	
LTG. MAIN RECEPT. AREA	2500 15A-SP	9 10	2000 15A-SP	
"	3400 15A-SP	11 12	200 15A-SP	LTG. SECURITY
LTG. MALL BALCONY	2400 15A-SP	13 14	15A-SP	SPARE
SPARE	15A-SP	15 16	15A-SP	"
SPACE		17 18		SPACE
↓		19 20		↓
		21 22		
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 3 NORTH

PANEL HNE

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. NORTH OFFICE AREA	3400 15A-SP	1 2	3400 15A-SP	LTG. COUNTER OFFICE AREA
	2800 15A-SP	3 4	3400 15A-SP	↓
	3400 15A-SP	5 6	2800 15A-SP	
	2900 15A-SP	7 8	2000 15A-SP	
	2000 15A-SP	9 10	2600 15A-SP	
	2000 15A-SP	11 12	2400 15A-SP	
	3100 15A-SP	13 14	2400 15A-SP	
	2500 15A-SP	15 16	SPARE	
	2200 15A-SP	17 18	1100 15A-SP	LTG. MALL BALCONY
SPARE	15A-SP	19 20	SPARE 15A-1P	SPARE
SPACE		21 22		SPACE
↓		23 24		↓
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 3 SOUTH

PANEL HNF

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. CENTER OFFICE AREA	3400 15A-SP	1 2	2800 15A-SP	LTG. TREASURY
	2900 15A-SP	3 4	3400 15A-SP	↓
	3200 15A-SP	5 6	2400 15A-SP	
	2700 15A-SP	7 8	1400 15A-SP	
LTG. RECORDS & OFFICE AREA	800 15A-SP	9 10	2900 15A-SP	↓
LTG. CONFERENCE AREA	600 15A-SP	11 12	1500 15A-SP	LTG. MALL BALCONY
"	600 15A-SP	13 14	600 15A-SP	LTG. VAULT
SPARE	15A-SP	15 16	300 15A-SP	LTG. SUPERVISOR
↓		17 18	1000 15A-SP	LTG. KEY PUNCH
	15A-SP	19 20	SPACE	
SPACE		21 22		↓
↓		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

LIGHTING - LEVEL 1 SOUTH

PANEL HNH

C/W RELAY PANEL

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- FLUSH FEEDER- 50 AMPS
FEEDER WIRE SIZE- 4-#8 R90 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. CORRECTIONS	2000 15A-SP	1 2	2000 15A-SP	LTG. TOURISM/ GAMES
"	2200 15A-SP	3 4	1400 15A-SP	↓
LTG. ART ROOM	1000 15A-SP	5 6	2300 15A-SP	
LTG. DARK ROOM	200 15A-SP	7 8	2400 15A-SP	
LTG. STORAGE	600 15A-SP	9 10	1100 15A-SP	
SPARE	15A-SP	11 12	2400 15A-SP	↓
"	15A-SP	13 14	15A-SP	SPARE
SPACE		15 16		SPACE
↓		17 18		↓
		19 20		
		21 22		
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER - SIDEWALK HEATING

PANEL HNJ

VOLTAGE- 347/600 3 PHASE, 4 WIRE. BUS- 225 AMPS
MOUNTING- SURFACE FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-# 2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
HEATER A1 - A2	36 KW 60A-3P	1 2	30 KW 40A-3P	HEATER B1, B2, B3
↓		3 4		↓
		5 6		
HEATER C1	44 KW 20A-3P	7 8		SPACE
" C2	44 KW 20A-3P	9 10		
" C3	44 KW 20A-3P	11 12		↓
SPACE		13 14		
↓		15 16		
		17 18		
		19 20		
		21 22		
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER - LEVEL 1 NORTH

PANEL LNA

VOLTAGE- 120/208 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- SURFACE FEEDER- 70 AMPS
FEEDER WIRE SIZE- 4-#6 R90 - 1¼" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. WASHROOMS	310 15A-SP	1 2	500 15A-SP	SPARE
5 RECEPT. STAIR #2	900 15A-SP	3 4	900 16A-SP	9 RECEPT. RECORDS
5 RECEPT. PURCHASING	500 15A-SP	5 6	700 15A-SP	7 RECEPT. RECORDS
5	500 15A-SP	7 8	500 15A-SP	5 RECEPT. LOBBY
5	500 15A-SP	9 10	15A-SP	MAIL & LOADING
SHREDDER Y3	5 HP 40A-3P	11 12	2@1/2HP 15A-SP	SPARE UNIT HEATER Q7
SPARE		13 14	1/40 15A-SP	UNIT HEATER Q13
SPACE	15A-SP	15 16	1/8 15A-SP	FAN K-16
↓		17 18	15A-SP	SPARE
		19 20		SPACE
		21 22		↓
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER - LEVEL 1 SOUTH

PANEL LNB

VOLTAGE- 120/208 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- FLUSH FEEDER- 50 AMPS
FEEDER WIRE SIZE- 4-#8 R90 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
2 RECEPT. DARKROOM	500 15A-SP	1 2	500 15A-SP	5 RECEPT. TOURISM/GAMES
2	500 15A-SP	3 4	600 15A-SP	6
1	250 15A-SP	5 6	600 15A-SP	6
3 RECEPT. STAIR #1	900 15A-SP	7 8	700 15A-SP	7
5 RECEPT TOURISM/GAMES	500 15A-SP	9 10	400 15A-SP	4
3 RECEPT MALL	900 15A-SP	11 12	400 15A-SP	4
3 RECEPT STAIR #3	900 15A-SP	13 14	400 15A-SP	4
5 RECEPT CORRECTIONS	500 15A-SP	15 16	600 15A-SP	6 RECEPT. CORRECTIONS
1 RECEPT CORRECTIONS	1000 15A-SP	17 18	800 15A-SP	8 "
SPARE	15A-SP	19 20	15A-SP	SPARE
DARK ROOM FAN K17	1/15 15A-SP	21 22	15A-SP	
SPACE		23 24	15A-SP	SPACE
↓		25 26		↓
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER - QUEENS PRINTER

PANEL LNC

VOLTAGE- 120/208 3 PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- FLUSH FEEDER- 120 AMPS
FEEDER WIRE SIZE- 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
1 RECEPT.	250 15A-SP	1 2	250 15A-SP	1 RECEPT.
	250 15A-SP	3 4	250 15A-SP	
↓	250 15A-SP	5 6	250 15A-SP	↓
PADDING MACHINE	750 15A-SP	7 8	15A-SP	ELECTRIC STAPLER
ETCHER	5A-SP	9 10	14A 20A-SP	GAVIN 220
"	15A-SP	11 12	14A 20A-SP	GAVIN 230
SHREDDER	1/6 HP 15A-SP	13 14	3A 15A-SP	TTK ROTO OFFSET
JOGGER	15A-SP	15 16	3A 15A-SP	"
GESTETNER	15A-SP	17 18	15A-SP	ROTOPLANOLOP
DINDER	2A 15A-SP	19 20	10A 15A-SP	COLLATOR
"	55A 15A-SP	21 22	25A 30A-3P	XEROX
PAPERCUTTER	7A 15A-SP	23 24		
SPARE	15A-SP	25 26		
	15A-SP	27 28		SPARE
↓	15A-SP	29 30	15A-SP	
SPACE		31 32		SPACE
		33 34		↓
		35 36		
		37 38		
		39 40		
		41 42		

POWER - KITCHEN

PANEL LND

VOLTAGE- 120/208 3 PHASE, 4 WIRE. BUS- 225 AMPS
MOUNTING- FLUSH FEEDER- 150 AMPS
FEEDER WIRE SIZE- 4-#1/0 R90 - 2" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
5 RECEPT. CORR./STOR	500 15A-SP	1 2	750 15A-SP	LTG. COUNTER
UNIT HEATER Q8	1/25 15A-SP	3 4	1050 15A-SP	LTG. LIBRARY CORRIDOR
3 RECEPT STAIR #6	300 15A-SP	5 6	600 15A-SP	LTG. MALL PLANTER
TOASTER	5.0 KW 20A-2P	7 8	1½ HP 15A-2P	CARBURETOR
"		9 10		"
ICE MACHINE	1 KW 15A-2P	11 12	15A-SP	CASHIER
"		13 14	15A-SP	BEVERAGE COOLER
DISHWASHER FAN	1/4 HP 15A-SP	15 16	1.2 KW 20A-3P	DISHWASHER
DEEP FRY/ BROILER	12 KW 60A-3P	17 18	5 KW 20A-3P	GRIDDLE
		19 20		
		21 22		↓
DHW BOOSTER	12 KW 60A-3P	23 24	1000 15A-SP	2 RECEPT. KITCHEN
		25 26	1000 15A-SP	"
		27 28	15A-SP	SPARE
SPARE	15A-SP	29 30	15A-SP	"
SPACE		31 32		SPACE
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

C350-ETE S55 OR S26

AS BUILT DRAWINGS

Public Works Canada Travaux publics Canada
Pacific Region

REVISIONS NO.	DATE	DESCRIPTION

PROJECT NO. 83547
DATE 14 APRIL 1984 | SCALE —
DRAWN C.E. & H.R. | CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL-PANEL SCHEDULES

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E13

LATEST REVISION 2

R. J. DOBLER ELECTRICAL ENGINEER

POWER & LIGHTING - LEVEL 2 COUNCIL BLOCK

PANEL LNE

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - FLUSH FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 - 2½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG - LOWER MALL	1050	15A-SP	1 2	750	15A-SP	LTG - LIBRARY
LTG - LOW MALL FANS, KIOSK, KW	1200	15A-SP	3 4	750	15A-SP	" "
LTG - LIBRARY	900	15A-SP	5 6	1200	15A-SP	LTG - LOUNGE
LTG - LOUNGE	600	15A-SP	7 8	4.4KW	20A-SP	LTG - COUNCIL CHAMBER DIMM.
LTG - CEILING CATWALK	500	15A-SP	9 10	—		" "
LTG - SOUTH ENT. PLANTER	400	15A-SP	11 12	—		" "
SPARE		15A-SP	13 14	—	15A-SP	SPARE
5 REC. PRESENT.		15A-SP	15 16	—	15A-SP	" "
6 RECEPT. MALL PRESS, V.P.	600	15A-SP	17 18	400	15A-SP	4 RECEPT. ADVISORS OFF.
6 " "	600	15A-SP	19 20	500	15A-SP	5 " "
5 RECEPT. MOTOR VEHIC.	500	15A-SP	21 22	500	15A-SP	5 RECEPT. COUNCILLORS OFFICE
5 " "	500	15A-SP	23 24	500	15A-SP	5 " "
SPARE		15A-SP	25 26	—	15A-SP	SPARE
" "		15A-SP	27 28	—	15A-SP	" "
UNIT HEATER QR12	½HP	15A-SP	29 30	—		SPACE
SPACE			31 32			
			33 34			
			35 36			
			37 38			
			39 40			
			41 42			

POWER & LIGHTING - LEVEL 2 NORTH

PANEL LNF

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 - 2½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG - WASHRMS	320	15A-SP	1 2	—	15A-SP	SPARE
LTG - NORTH ENTRANCE	600	15A-SP	3 4	—	15A-SP	
LTG - MALL PLANTER	300	15A-SP	5 6	—	15A-SP	↓
5 RECEPTACLES WELFARE	500	15A-SP	7 8	500	15A-SP	5 RECEPTACLES WELFARE
2	200	15A-SP	9 10	200	15A-SP	2
6	600	15A-SP	11 12	600	15A-SP	6
5	500	15A-SP	13 14	600	15A-SP	6 RECEPTACLES HEALTH
5	500	15A-SP	15 16	—	15A-SP	
2	200	15A-SP	17 18	500	15A-SP	6
4	400	15A-SP	19 20	100	15A-SP	1
4	400	15A-SP	21 22	500	15A-SP	5
2	200	15A-SP	23 24	300	15A-SP	3
4	400	15A-SP	25 26	900	15A-SP	9
7 ↓	900	15A-SP	27 28	600	15A-SP	6
2 RECEPT MALL	200	15A-SP	29 30	500	15A-SP	5
UNIT HEATER QR11	½ HP	15A-SP	31 32	600	15A-SP	6 ↓
DOOR OPERATOR Y12	½ HP	20A-SP	33 34	½ HP	20A-SP	DOOR OPERATOR Y13
SPARE		15A-SP	35 36	—	15A-SP	SPARE
" "		15A-SP	37 38	—	15A-SP	" "
SPACE			39 40			SPACE
" "			41 42			" "

LIGHTING & POWER - LEVEL 2 SOUTH

PANEL LNG

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 120 AMPS
FEEDER WIRE SIZE - 4-#2 R90 - 1½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG - WASHRMS & JANITOR	340	15A-SP	1 2	—	15A-SP	SPACE
6 RECEPT. EDUCATION	600	15A-SP	3 4	300	15A-SP	3 RECEPT. TERRITORIAL SECRETAR.
8	800	15A-SP	5 6	700	15A-SP	7
5	500	15A-SP	7 8	900	15A-SP	9
4	400	15A-SP	9 10	200	15A-SP	2
6	600	15A-SP	11 12	600	15A-SP	6
8	800	15A-SP	13 14	500	15A-SP	5
8	800	15A-SP	15 16	500	15A-SP	5 ↓
8	800	15A-SP	17 18	½ HP	20A-SP	DOOR OPERATOR Y14
4	400	15A-SP	19 20	½ HP	20A-SP	DOOR OPERATOR Y15
4 ↓	400	15A-SP	21 22	—	15A-SP	SPARE
SPACE			23 24	—	15A-SP	
			25 26	—	15A-SP	↓
			27 28			SPACE
			29 30			
			31 32			
			33 34			
			35 36			
			37 38			
			39 40			
			41 42			

POWER & LIGHTING - LEVEL 3 NORTH

PANEL LNH

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 - 2½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG - WASHROOMS	210	15A-SP	1 2	—	15A-SP	SPARE
LTG LOW LEVEL MALL	500	15A-SP	3 4	—	15A-SP	SPARE
10 RECEPT. NORTH OFFICE AREA	1000	15A-SP	5 6	900	15A-SP	6 RECEP. CENTER OFFICE AREA
6	600	15A-SP	7 8	—	15A-SP	
6	600	15A-SP	9 10	400	15A-SP	4
6	600	15A-SP	11 12	800	15A-SP	8
7	700	15A-SP	13 14	900	15A-SP	9
4	400	15A-SP	15 16	400		4
5	500	15A-SP	17 18	800	15A-SP	8
5	500	15A-SP	19 20	800	15A-SP	8
4	400	15A-SP	21 22	500	15A-SP	5
7	700	15A-SP	23 24	700	15A-SP	7 ↓
5	500	15A-SP	25 26	—	15A-SP	SPARE
4	400	15A-SP	27 28	—	15A-SP	
2	200	15A-SP	29 30	—	15A-SP	
4 ↓	400	15A-SP	31 32	—	15A-SP	↓
SPACE			33 34			SPACE
			35 36			
			37 38			
			39 40			
			41 42			

POWER & LIGHTING - LEVEL 3 SOUTH

PANEL LNJ

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 120 AMPS
FEEDER WIRE SIZE - 4-#2 R90 - 1½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG - WASHRMS & JANITOR	280	15A-SP	1 2	600	15A-SP	LTG - LOW LEVEL MALL
SPARE		15A-SP	3 4	600	15A-SP	" "
6 REC - CENTER OFFICE AREA	600	15A-SP	5 6	600	15A-SP	6 RECEPT. TREASURY
5	500	15A-SP	7 8	600	15A-SP	6
6	600	15A-SP	9 10	200	15A-SP	2
7	700	15A-SP	11 12	1100	15A-SP	11
7	700	15A-SP	13 14	800	15A-SP	8
5	300	15A-SP	15 16	600	15A-SP	6 ↓
2	1200	15A-SP	17 18	400	15A-SP	4 RECEPT. CONFERENCE
4	400	15A-SP	19 20	400	15A-SP	" "
5	800	15A-SP	21 22	½ HP	20A-SP	DOOR OPERATOR Y16
5 ↓	300	15A-SP	23 24	—	15A-SP	SPARE
SPACE (future)	2KW	SWP	25 26	—	15A-SP	
	"	"	27 28	—	15A-SP	
			29 30	—		SPACE
			31 32			
			33 34			
			35 36			
			37 38			
			39 40			
			41 42			

POWER & LIGHTING - PENTHOUSE

PANEL LNK

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 2½" CONDUIT

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG - COOLING TOWER	450	15A-SP	1 2	750	15A-SP	LTG - EAST AIR PLENUMS
LTG - NORTH AIR PLENUMS	750	15A-SP	3 4	600	15A-SP	" "
LTG - SOUTH AIR PLENUMS	750	15A-SP	5 6	500	15A-SP	LTG - STAFF ROOM.
LTG - HIGH LEVEL MALL	1200	15A-SP	7 8	1200	15A-SP	LTG - HIGH LEVEL MALL
" "	1200	15A-SP	9 10	1200	15A-SP	" "
" "	1200	15A-SP	11 12	300	15A-SP	5 RECEPT. STAIR #1
SPARE		15A-SP	13 14	—	15A-SP	SPARE
		15A-SP	15 16	—	15A-SP	" "
↓		15A-SP	17 18	¼ HP	15A-SP	DHW PUMP P3
HEATER Y9	12KW	15A-2P	19 20	2KW	15A-2P	HEATER Y10
" "			21 22	—		" "
UNIT HEATER QR1	1/25 HP	15A-SP	23 24	¼ HP	5A-SP	3 WAY CONTROL Y11
UNIT HEATER QR2	1/12 HP	15A-SP	25 26	1/40 HP	15A-SP	UNIT HEATER QR4
UNIT HEATER QR3	1/40 HP	15A-SP	27 28	1/40 HP	15A-SP	UNIT HEATER QR5
PUMP P5	1/3 HP	15A-SP	29 30	½ HP	15A-SP	PUMP P4
EXHAUST FAN K10	½ HP	15A-2P	31 32	½ HP	15A-2P	EXHAUST FAN K7
" "			33 34			" "
EXHAUST FAN K11	⅓ HP	15A-2P	35 36	⅓ HP	15A-2P	EXHAUST FAN K8
" "			37 38			" "
BOILER B4	¼ HP	15A-SP	39 40	3/4 HP	15A-2P	EXHAUST FAN K9
BOILER B3	⅓ HP	15A-SP	41 42			" "

POWER & LIGHTING - LEVEL 1 COUNCIL BLOCK

PANEL LNT

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 - 2½" CONDUIT

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG - ENTRANCE	1050	15A-SP	1 2	450	15A-SP	LTG - COUNCIL CHAMBER ENT.
" "	1050	15A-SP	3 4	750	15A-SP	LTG - CORRIDOR
" "	1200	15A-SP	5 6	500	15A-SP	LTG - WASHROOMS
LTG - MECH. RM AIR PLENUMS	900	15A-SP	7 8	400	15A-SP	LTG - STORAGE
LTG - COUNCIL CHAMBER PLANTER	450	15A-SP	9 10	200	15A-SP	LTG - STORAGE & JANITOR
" "	300	15A-SP	11 12	—	15A-SP	SPARE
6 REC. - LUNCH & CONF. RM.	600	15A-SP	13 14	600	15A-SP	6 REC - CAUCUS & SPEAKER
4 REC - TYPING & TRANSCRIPT.	400	15A-SP	15 16	500	15A-SP	5 " "
5	500	15A-SP	17 18	600	15A-SP	6 REC - STAIR 5, CAUCUS
AUDIO TERM. BOX #5	200	15A-SP	19 20	1/25 HP	15A-SP	UNIT HEATER QR9
4 REC - VHF & CORRIDOR	400	15A-SP	21 22	1/12 HP	15A-SP	UNIT HEATER QR10
5 " "	500	15A-SP	23 24	1/40 HP	15A-SP	UNIT HEATER QR8
7 RECEPT. COUNCIL BLK.	700	15A-SP	25 26	—	15A-SP	SPARE
8	800	15A-SP	27 28	—	15A-SP	
6	600	15A-SP	29 30	—	15A-SP	
7	700	15A-SP	31 32	—	15A-SP	↓
SPACE			33 34			SPACE
			35 36			
			37 38			
			39 40			
			41 42			

POWER & LIGHTING - COUNCIL BLOCK

PANEL LEA

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 120 AMPS
FEEDER WIRE SIZE - 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG E, FAN - V.R.M COMMISIONER	200	15A-SP	1 2	1200	15A-SP	COUN. BLK. LTG. CONTACTOR
LTG - LOWER MALL	750	15A-SP	3 4	1200	15A-SP	" "
" "	750	15A-SP	5 6	—	15A-SP	SPARE
5 RECEPT. OFFICE AREA	500	15A-SP	7 8	500	15A-SP	5 RECEPT. CONF & COMM.
5 " "	500	15A-SP	9 10	800	15A-SP	5 " "
SPARE		15A-SP	11 12	—	15A-SP	SPARE
SPACE			13 14			SPACE
			15 16			↓
			17 18			
LTG - LEV. 1 MAIN ENTR.	800	15A-SP	19 20	800	15A-SP	LTG - LEV. 1 MAIN ENTR.
LTG - STAIR #6		15A-SP	21 22	350	15A-SP	LTG - STAIR #4
1 RECEPT. KITCHEN	000	15A-SP	23 24	600	15A-SP	6 RECEPT. OFFICE AREA
" "	200	15A-SP	25 26	400	15A-SP	4
2 RECEPT. MECH. EM.	200	15A-SP	27 28	600	15A-SP	6 ↓
2 " "	200	15A-SP	29 30	¼	15A-SP	PUMP P6
PUMP P13	1/2HP	20A-SP	31 32	¼	15A-SP	PUMP P8
PUMP P23	¼ HP	15A-SP	33 34	¼	15A-SP	PUMP P10
EXHAUST FAN K12	¼ HP	15A-2P	35 36	—	15A-SP	SPARE
" "			37 38			SPACE
SPACE			39 40			
↓			41 42			↓

COMPUTER

PANEL LEB

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - RECESSED FEEDER - 50 AMPS
FEEDER WIRE SIZE - 4-#8 R90 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
2 RECEPT. KEYPUNCH	200	15A-SP	1 2	100	15A-SP	1 RECEPT. KEYPUNCH
2 " "	200	15A-SP	3 4	200	15A SP	2 " "
SPD BREAKERS	EXIST		5 6			BREAKERS
AS REQ'D			7 8			AS REQ'D
FOR	"		9 10			FOR
COMPUTER EQ			11 12			COMPUTER EQ
			13 14			
			15 16			
			17 18			
			19 20			
			21 22			
			23 24			
			25 26			
			27 28			
			29 30			
			31 32			
			33 34			
			35 36			
			37 38			
			39 40			
			41 42			

POWER & LTG - PENTHOUSE

PANEL LEC

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 90 AMPS
FEEDER WIRE SIZE - 4-#4 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG - PENTHSE	600	15A-SP	1 2	750	15A-SP	LTG - STAIR #2
" "	1200	15A-SP	3 4	750	15A-SP	LTG - STAIR #3
" "	1000	15A-SP	5 6	—	15A-SP	SPARE
2 RECEPT. PENTHOUSE	300	15A-SP	7 8	450	15A-SP	3 RECEPT. PENTHOUSE
1	150	15A-SP	9 10	600	15A-SP	2
3	300	15A-SP	11 12	500	15A-SP	2
OIL HEATER	6KW	30A-3P	13 14	½ HP	15A-SP	AFTERCOOLER C5
			15 16	—		SPACE
			17 18	1½ HP	15A-SP	PUMP P7
BOILER B1	5HP	20A-3P	19 20	5HP	20A-3P	BOILER B2
			21 22			
			23 24			
SPARE		15A-SP	25 26	—	15A-SP 30A-2P	FUTURE COMPUTER A/H.U
		15A-SP	27 28			
		15A-SP	29 30			
SPACE			31 32			SPACE
			33 34			
			35 36			
			37 38			
			39 40			
			41 42			

POWER & LIGHTING - KITCHEN

PANEL LED

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - FLUSH FEEDER - 90 AMPS
FEEDER WIRE SIZE - 4-#4 R90 - 1½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
LTG. NORTH ENTRANCE	450	15A-SP	1 2	300	15A-SP	LTG. STAIR #8
SPARE	164-SP		3 4	750	15A-SP	LTG. STAIR #7
4 REC - TEL, GENIE/SPRINKLER	780	15A-SP	5 6	1/4	15A-SP	DUAL TEMP REFRIG-IN
4 " "	780	15A-SP	7 8	½	20A-SP	DUAL TEMP REFRIG-IN
SANDWICH TABLE	15A-SP		9 10	—	15A-SP	FIRE SYSTEM CONTROLS
DISPLAY CASE	15A-SP		11 12	½	20A-SP	REFRIGERATION UNIT
COFFEE URN	6.6KW	50A-3P	13 14	4.4KW	30A-2P	HOT FOOD TABLE
"			15 16	—		"
SPARE	15A-SP		17 18	1/6	15A-SP	MILK DISPENSER
SPARE	15A-SP		19 20	—	15A-SP	SPARE
SPACE			21 22	—		SPACE
			23 24			
			25 26			
			27 28			
			29 30			
			31 32			
			33 34			
			35 36			
			37 38			
			39 40			
			41 42			

PANEL C.D.P. #4

VOLTAGE - 347/600 3 PHASE, 4 WIRE. BUS - 225 AMPS
MOUNTING - SURFACE FEEDER - 120 AMPS
FEEDER WIRE SIZE - 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP	BREAKER	CIRCUIT No. A B C	WATTS/HP	BREAKER	LOAD DESCRIPTION
PANEL LED	15 SKVA	30A-3P	1 2	10KVA	15A-3P	PANEL LEB
			3 4			
			5 6			↓
PANEL HEC	10.5A	30A-3P	7 8	3.5A	15A-3P	PANEL HEA
			9 10			
			11 12			↓
FIRE ALARM PANEL	20A-2P		13 14	3/4 HP	15A-3P	FUEL OIL PUMP P20
" "			15 16			
WATER RECIRC PUMP. Y6	3/4 HP	15A-3P	17 18			↓
			19 20	3/4 HP	15A-3P	FUEL OIL PUMP P21
			21 22			
SPARE	15A-3P		23 24			↓
			25 26	30KVA 100A-3P		TRANSFORMER XII/PANEL LEP
			27 28			
SPACE			29 30			
			31 32			SPACE
			33 34			
			35 36			
			37 38			
			39 40			
			41 42			

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R. HOBSON ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION
1	7/5/75	100A-3P BREAKER ADDED TO C.D.P.#4 FOR XFMR #11 & PANEL LEP
2	9/6/75	LED REVISED

PROJECT NO. 69857
DATE APR '74 SCALE —
DRAWN CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - PANEL SCHEDULES

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y. T.

DRAWING NO.
E14
LATEST REVISION 2

0126

POWER & LIGHTING - LEVEL 2 COUNCIL BLOCK

PANEL LNE

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - FLUSH FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 - 2½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG - LOWER MALL	1050 15A-SP	1 2	750 15A-SP	LTG - LIBRARY
LTG - LOW MALL FANS, KIOS, KW	1200 15A-SP	3 4	750 15A-SP	" "
LTG - LIBRARY	900 15A-SP	5 6	1200 15A-SP	LTG - LOUNGE
LTG - LOUNGE	600 15A-SP	7 8	4.4KW 20A-SP	LTG - COUNCIL CHAMBER DIMM.
LTG - CEILING CATWALK	500 15A-SP	9 10	—	" "
LTG - SOUTH ENT. PLANTER	400 15A-SP	11 12	—	" "
SPARE	— 15A-SP	13 14	— 15A-SP	SPARE
5 REC. PRESENT.	— 15A-SP	15 16	— 15A-SP	" "
6 RECEPT. MALL PRESS, VIP.	600 15A-SP	17 18	400 15A-SP	4 RECEPT. ADVISORS OFF.
6 " "	600 15A-SP	19 20	500 15A-SP	5 " "
5 RECEPT. MOTOR VEHIC.	500 15A-SP	21 22	500 15A-SP	5 RECEPT. COUNCILLORS OFFICE
5 " "	500 15A-SP	23 24	500 15A-SP	5 " "
SPARE	— 15A-SP	25 26	— 15A-SP	SPARE
" "	— 15A-SP	27 28	— 15A-SP	" "
UNIT HEATER QR12	1/8 HP 15A-SP	29 30	—	SPACE
SPACE		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER & LIGHTING - LEVEL 2 NORTH

PANEL LNF

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 - 2½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG - WASHRMS	320 15A-SP	1 2	— 15A-SP	SPARE
LTG - NORTH ENTRANCE	600 15A-SP	3 4	— 15A-SP	↓
LTG - MALL PLANTER	300 15A-SP	5 6	— 15A-SP	
5 RECEPTACLES WELFARE	500 15A-SP	7 8	500 15A-SP	5 RECEPTACLES WELFARE
2	200 15A-SP	9 10	200 15A-SP	2
6	600 15A-SP	11 12	600 15A-SP	6 ↓
5	500 15A-SP	13 14	600 15A-SP	6 RECEPTACLES HEALTH
5	500 15A-SP	15 16	— 15A-SP	
2	200 15A-SP	17 18	600 15A-SP	6
4	400 15A-SP	19 20	100 15A-SP	1
4	400 15A-SP	21 22	500 15A-SP	5
2	200 15A-SP	23 24	300 15A-SP	3
4	400 15A-SP	25 26	900 15A-SP	9
7 ↓	900 15A-SP	27 28	600 15A-SP	6
6 RECEPT MALL	200 15A-SP	29 30	300 15A-SP	5
UNIT HEATER QR11	1/12 HP 15A-SP	31 32	600 15A-SP	6 ↓
DOOR OPERATOR Y12	1/2 HP 20A-SP	33 34	1/2 HP 20A-SP	DOOR OPERATOR Y13
SPARE	— 15A-SP	35 36	— 15A-SP	SPARE
" "	— 15A-SP	37 38	— 15A-SP	" "
SPACE		39 40		SPACE
" "		41 42		" "

LIGHTING & POWER - LEVEL 2 SOUTH

PANEL LNG

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 120 AMPS
FEEDER WIRE SIZE - 4-#2 R90 - 1½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG - WASHRMS & JANITOR	340 15A-SP	1 2	— 15A-SP	SPACE
6 RECEPT. EDUCATION	600 15A-SP	3 4	300 15A-SP	3 RECEPT. TERR. TORIAL SECRETAR.
8	800 15A-SP	5 6	700 15A-SP	7
5	500 15A-SP	7 8	900 15A-SP	9
4	400 15A-SP	9 10	200 15A-SP	2
3	300 15A-SP	11 12	600 15A-SP	6
8	800 15A-SP	13 14	500 15A-SP	5
5	500 15A-SP	15 16	300 15A-SP	5 ↓
8	800 15A-SP	17 18	½ HP 20A-SP	DOOR OPERATOR Y14
4	400 15A-SP	19 20	¾ HP 20A-SP	DOOR OPERATOR Y15
4 ↓	400 15A-SP	21 22	— 15A-SP	SPARE
SPACE		23 24	— 15A-SP	
		25 26	— 15A-SP	↓
		27 28		SPACE
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER & LIGHTING - LEVEL 3 NORTH

PANEL LNH

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 - 2½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG - WASHROOMS	210 15A-SP	1 2	— 15A-SP	SPARE
LTG - LOW LEVEL MALL	300 15A-SP	3 4	— 15A-SP	SPARE
10 RECEPT. NORTH OFFICE AREA	1000 15A-SP	5 6	900 15A-SP	6 RECEPT. CENTER OFFICE AREA
6	600 15A-SP	7 8	— 15A-SP	
6	600 15A-SP	9 10	400 15A-SP	4
6	600 15A-SP	11 12	800 15A-SP	8
7	700 15A-SP	13 14	900 15A-SP	9
4	400 15A-SP	15 16	400	4
5	500 15A-SP	17 18	800 15A-SP	8
5	500 15A-SP	19 20	800 15A-SP	8
4	400 15A-SP	21 22	500 15A-SP	5
7	700 15A-SP	23 24	700 15A-SP	7 ↓
5	500 15A-SP	25 26	— 15A-SP	SPARE
4	400 15A-SP	27 28	— 15A-SP	
2	200 15A-SP	29 30	— 15A-SP	
4 ↓	400 15A-SP	31 32	— 15A-SP	↓
SPACE		33 34		SPACE
		35 36		
		37 38		
		39 40		
		41 42		

POWER & LIGHTING - LEVEL 3 SOUTH

PANEL LNJ

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 120 AMPS
FEEDER WIRE SIZE - 4-#2 R90 - 1½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG - WASHRMS & JANITOR	280 15A-SP	1 2	600 15A-SP	LTG - LOW LEVEL MALL
SPARE	15A-SP	3 4	600 15A-SP	" "
6 REC. - CENTER OFFICE AREA	600 15A-SP	5 6	600 15A-SP	6 RECEPT. TREASURY
5	500 15A-SP	7 8	600 15A-SP	6
6	600 15A-SP	9 10	200 15A-SP	6
7	700 15A-SP	11 12	1100 15A-SP	11
7	700 15A-SP	13 14	800 15A-SP	8
5	300 15A-SP	15 16	600 15A-SP	6 ↓
2	1200 15A-SP	17 18	400 15A-SP	4 RECEPT. CONFERENCE
4	400 15A-SP	19 20	400 15A-SP	" "
5	500 15A-SP	21 22	½ HP 20A-SP	DOOR OPERATOR Y16
5 ↓	500 15A-SP	23 24	— 15A-SP	SPARE
SPACE (future)	2KW 30AP	25 26	— 15A-SP	
"	"	27 28	— 15A-SP	↓
"	"	29 30	—	SPACE
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER & LIGHTING - PENTHOUSE

PANEL LNK

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 - 2½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG - COOLING TOWER	450 15A-SP	1 2	750 15A-SP	LTG - EAST AIR PLENUMS
LTG - NORTH AIR PLENUMS	750 15A-SP	3 4	600 15A-SP	" "
LTG - SOUTH AIR PLENUMS	750 15A-SP	5 6	500 15A-SP	LTG - STAFF ROOM.
LTG - HIGH LEVEL MALL	1200 15A-SP	7 8	1200 15A-SP	LTG - HIGH LEVEL MALL
" "	1200 15A-SP	9 10	1200 15A-SP	" "
" "	1200 15A-SP	11 12	300 15A-SP	3 RECEPT. STAIR #1
SPARE	— 15A-SP	13 14	— 15A-SP	SPARE
↓	— 15A-SP	15 16	— 15A-SP	" "
HEATER Y9	2KW 15A-2P	17 18	¼ HP 15A-SP	DHW PUMP P3
" "	—	19 20	2 KW 15A-2P	HEATER Y10
" "	—	21 22	—	" "
UNIT HEATER QR1	1/25 HP 15A-SP	23 24	¼ HP 5A-SP	SOLUTROL Y11
UNIT HEATER QR2	1/12 HP 15A-SP	25 26	1/40 HP 15A-SP	UNIT HEATER QR4
UNIT HEATER QR3	1/40 HP 15A-SP	27 28	1/40 HP 15A-SP	UNIT HEATER QR5
PUMP P5	1/6 HP 15A-SP	29 30	½ HP 15A-SP	PUMP P4
EXHAUST FAN K10	½ HP 15A-2P	31 32	½ HP 15A-2P	EXHAUST FAN K7
" "	—	33 34	—	" "
EXHAUST FAN K11	⅓ HP 15A-2P	35 36	⅓ HP 15A-2P	EXHAUST FAN K8
" "	—	37 38	—	" "
BOILER B4	¼ HP 15A-SP	39 40	3/4 HP 15A-2P	EXHAUST FAN K9
BOILER B3	⅓ HP 15A-SP	41 42	—	" "

POWER & LIGHTING - LEVEL 1 COUNCIL BLOCK

PANEL LNT

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 210 AMPS
FEEDER WIRE SIZE - 4-#3/0 R90 - 2½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG - ENTRANCE	1050 15A-SP	1 2	450 15A-SP	LTG - COUNCIL CHAMBER ENT.
" "	1050 15A-SP	3 4	750 15A-SP	LTG - CORRIDOR
" "	1200 15A-SP	5 6	520 15A-SP	LTG - WASHROOMS
LTG - MECH. RM AIR PLENUMS	900 15A-SP	7 8	400 15A-SP	LTG - STORAGE
LTG - COUNCIL CHR. PLANTER	450 15A-SP	9 10	200 15A-SP	LTG - STORAGE & JANITOR
" "	900 15A-SP	11 12	— 15A-SP	SPARE
6 REC. - LUNCH & CONF. RM.	600 15A-SP	13 14	600 15A-SP	6 REC - CAUCUS & SPEAKER
4 REC - TYPING & TRANSCRIPT.	400 15A-SP	15 16	500 15A-SP	5 " "
5	500 15A-SP	17 18	600 15A-SP	REC. - STAIR 5, CAUCUS
AUDIO TERM. BOX #5	200 15A-SP	19 20	1/25 HP 15A-SP	UNIT HEATER QR3
4 REC - VHF & CORRIDOR	400 15A-SP	21 22	1/12 HP 15A-SP	UNIT HEATER QR10
5 " "	500 15A-SP	23 24	1/40 HP 15A-SP	UNIT HEATER QR9
7 RECEPT. COUNCIL BLK.	700 15A-SP	25 26	— 15A-SP	SPARE
8	800 15A-SP	27 28	— 15A-SP	
6	600 15A-SP	29 30	— 15A-SP	
7	700 15A-SP	31 32	— 15A-SP	↓
SPACE		33 34		SPACE
		35 36		
		37 38		
		39 40		
		41 42		

POWER & LIGHTING - COUNCIL BLOCK

PANEL LEA

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 120 AMPS
FEEDER WIRE SIZE - 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. E, FAN - V'RM COMMISIONER	200 15A-SP	1 2	1200 15A-SP	COUN. BLK. LTG. CONTACTOR
LTG - LOWER MALL	750 15A-SP	3 4	1200 15A-SP	" "
" "	750 15A-SP	5 6	— 15A-SP	SPARE
5 RECEPT. OFFICE AREA	500 15A-SP	7 8	500 15A-SP	5 RECEPT. CONF & COMM.
5 " "	500 15A-SP	9 10	800 15A-SP	5 " "
SPARE	— 15A-SP	11 12	— 15A-SP	SPARE
SPACE		13 14		SPACE
		15 16		
		17 18		↓
LTG - LEV. 1 MAIN ENTR.	800 15A-SP	19 20	800 15A-SP	LTG - LEV. 1 MAIN ENTR.
LTG - STAIR #6	15A-SP	21 22	350 15A-SP	LTG - STAIR #4
1 RECEPT. KITCHEN	1000 15A-SP	23 24	600 15A-SP	6 RECEPT. OFFICE AREA
" "	200 15A-SP	25 26	400 15A-SP	4
2 RECEPT. MECH. RM.	200 15A-SP	27 28	600 15A-SP	6 ↓
2 " "	200 15A-SP	29 30	¼ 15A-SP	PUMP P6
PUMP P10	1/2 HP 20A-SP	31 32	¼ 15A-SP	PUMP P8
PUMP P23	¼ HP 15A-SP	33 34	¼ 15A-SP	PUMP P10
EXHAUST FAN K12	¼ HP 15A-2P	35 36	— 15A-SP	SPARE
" "	—	37 38	—	SPACE
SPACE		39 40		
↓		41 42		

COMPUTER

PANEL LEB

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - RECESSED FEEDER - 50 AMPS
FEEDER WIRE SIZE - 4-#8 R90 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
2 RECEPT. KEYPUNCH	1200 15A-SP	1 2	100 15A-SP	1 RECEPT. KEYPUNCH
2 " "	200 15A-SP	3 4	200 15A SP	2 " "
SPD BREAKERS	(SPD)	5 6	—	BREAKERS
AS REQ'D		7 8		AS REQ'D
FOR	"	9 10		FOR
COMPUTER EQ		11 12		COMPUTER EQ
		13 14		
		15 16		
		17 18		
		19 20		
		21 22		
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER & LTG - PENTHOUSE

PANEL LEC

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 90 AMPS
FEEDER WIRE SIZE - 4-#4 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG - PENTHSE	600 15A-SP	1 2	750 15A-SP	LTG - STAIR #2
" "	1200 15A-SP	3 4	750 15A-SP	LTG - STAIR #3
" "	1000 15A-SP	5 6	— 15A-SP	SPARE
2 RECEPT. PENTHOUSE	300 15A-SP	7 8	450 15A-SP	3 RECEPT. PENTHOUSE
1	150 15A-SP	9 10	600 15A-SP	2
3 ↓	300 15A-SP	11 12	500 15A-SP	2 ↓
OIL HEATER	6KW 30A-3P	13 14	⅓ HP 15A-SP	AFTERCOOLER 05
		15 16	—	SPACE
		17 18	⅓ HP 15A-SP	PUMP P7
BOILER B1	3HP 20A-3P	19 20	3HP 20A-3P	BOILER B2
		21 22		
		23 24		↓
SPARE	15A-SP	25 26	15A-SP 30AP	FUTURE COMPUTER A/H U
	15A-SP	27 28		
	15A-SP	29 30		
SPACE		31 32		SPACE
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

POWER & LIGHTING - KITCHEN

PANEL LED

VOLTAGE - 120/208 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - FLUSH FEEDER - 90 AMPS
FEEDER WIRE SIZE - 4-#4 R90 - 1½" CONDUIT.

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. NORTH ENTRANCE	450 15A-SP	1 2	300 15A-SP	LTG. STAIR #6
SPARE	15A-SP	3 4	750 15A-SP	LTG. STAIR #7
4 REC. - TEL, GEN & SPRINKLER	780 15A-SP	5 6	1¼ 15A-SP	DUAL TEMP REMOTE IN
4 " "	780 15A-SP	7 8	½ 20A-SP	DUAL TEMP REMOTE IN -
SANDWICH TABLE	15A-SP	9 10	— 15A-SP	FIRE SYSTEM CONTROLS
DISPLAY CASE	15A-SP	11 12	½ 20A-SP	REFRIGERATION UNIT
COFFEE URN	6.8KW 50A-3P	13 14	4.4KW 30A-2P	HOT FOOD TABLE
"		15 16		"
SPARE	15A-SP	17 18	1/6 15A-SP	MILK DISPENSER
SPARE	15A-SP	19 20	— 15A-SP	SPARE
SPACE		21 22		SPACE
		23 24		
		25 26		
		27 28		
		29 30		
		31 32		
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

PANEL C.D.P. #4

VOLTAGE - 347/600 3 PHASE, 4 WIRE. BUS - 225 AMPS
MOUNTING - SURFACE FEEDER - 120 AMPS
FEEDER WIRE SIZE - 4-#2 R90 - 1½" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
PANEL LED	15 SKVA 30A-3P	1 2	10 KVA 15A-3P	PANEL LEB
		3 4		
		5 6		↓
PANEL HEC	10.5A 30A-3P	7 8	3.5A 15A-3P	PANEL HEA
		9 10		
		11 12		
FIRE ALARM PANEL	20A-2P	13 14	3/4 HP 15A-3P	FUEL OIL PUMP P20
" "		15 16		
WATER RECIRC PUMP. Y8	3/4 HP 15A-3P	17 18		↓
		19 20	3/4 HP 15A-3P	FUEL OIL PUMP P21
		21 22		
SPARE	15A-3P	23 24		
		25 26	30 KVA 100A-3P	TRANSFORMER X11/PANEL LEP
		27 28		↓
		29 30		
SPACE		31 32		SPACE
		33 34		
		35 36		
		37 38		
		39 40		
		41 42		

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R. ROBSON ELECTRICAL

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS

NO.	DATE	DESCRIPTION
1	7/5/78	100A-3P BREAKER ADDED TO C.D.P. #4 FOR XFMR #11 & PANEL LEP
2	5/10/78	LED REVISED

PROJECT NO. 69857
DATE APR '74 SCALE —
DRAWN D. Bannister CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - PANEL SCHEDULES

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y. T.

DRAWING NO.
E14

LATEST REVISION 2

PANEL "LNL" (TYPICAL FOR "LNM" & "LNO")

VOLTAGE- 120-208 3PHASE, 4 WIRE. BUS- 400 AMPS
MOUNTING- IN OUTDOOR DISTRIBUTION FEEDER- AMPS
FEEDER WIRE SIZE-

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION	LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
BLOCK HEATER RECEPTS SEE NOTE 4	15A	1 2	15A	BLOCK HEATER RECEPTS SEE NOTE 1	BLOCK HEATER RECEPTS - SEE NOTE - 1	15A	43 44	15A	BLOCK HEATER RECEPTS SEE NOTE - 1
		3 4					45 46		
		5 6					47 48		
		7 8					49 50		
		9 10					51 52		
		11 12					53 54		
		13 14					55 56		
		15 16					57 58		
		17 18					59 60		
		19 20					61 62		
		21 22					63 64		
		23 24					65 66		
		25 26					67 68		
		27 28					69 70		
		29 30					71 72		
		31 32					73 74		
		33 34					75 76		
		35 36					77 78		
		37 38					79 80		
		39 40					81 82		
		41 42					83 84		

PANEL 'LNN' (TYPICAL FOR 'LNP')

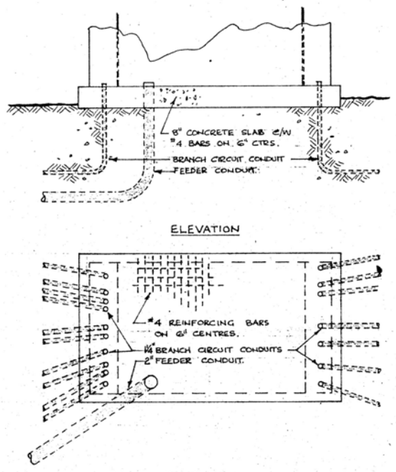
VOLTAGE- 120-208 3PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- IN OUTDOOR DISTRIBUTION FEEDER- AMPS
FEEDER WIRE SIZE-

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
OUTSIDE LTG SEE DWG E21 & NOTE 2	15A	1 2	15A	OUTSIDE LTG SEE DWG E21 & NOTE - 2
		3 4		
		5 6		
		7 8		
		9 10		
		11 12		
		13 14		
		15 16		
		17 18		
		19 20		
		21 22		
		23 24		

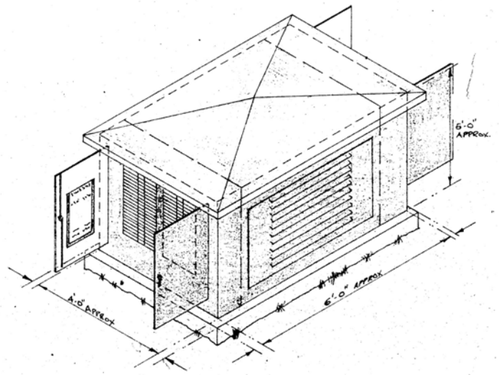
NOTES

1 - SUPPLY & INSTALL 216 - 15A - 1P CIRCUIT BREAKERS IN PANELS "LNL", "LNM" & "LNO" FOR BLOCK HEATER RECEPTACLES, & SPARES, SEE DRAWING E-21 FOR CIRCUIT DISTRIBUTION.

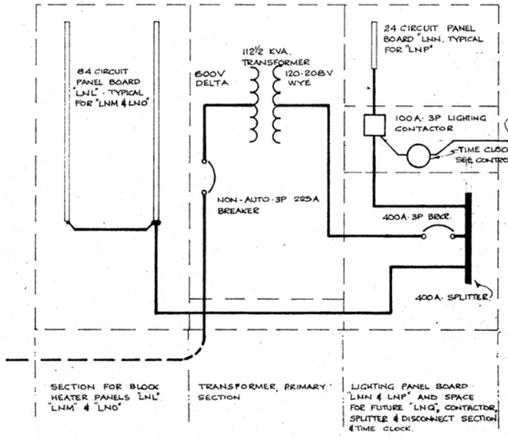
2 - SUPPLY & INSTALL 15A - 1P BREAKERS IN PANEL 'LNN' & 'LNP' FOR LIGHTING & SPARE - SEE DRAWING E21 FOR CIRCUIT DISTRIBUTION.



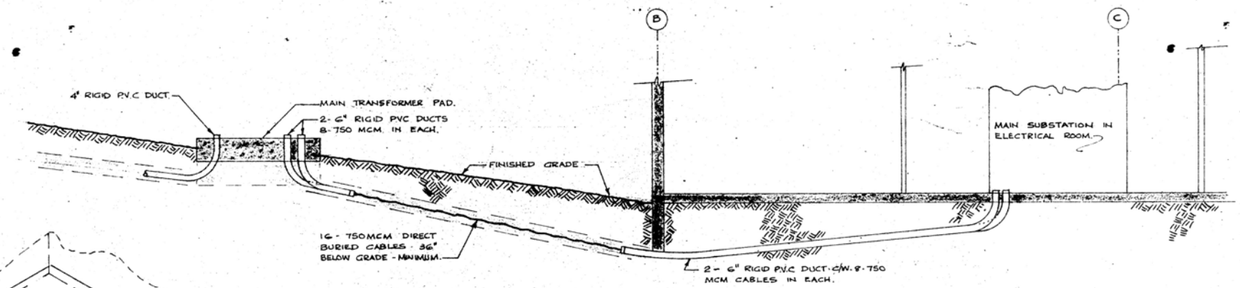
1 (E15 | E21) DETAIL OF PAD & CONDUIT FOR OUTDOOR DISTRIBUTION CENTRES A, B & C



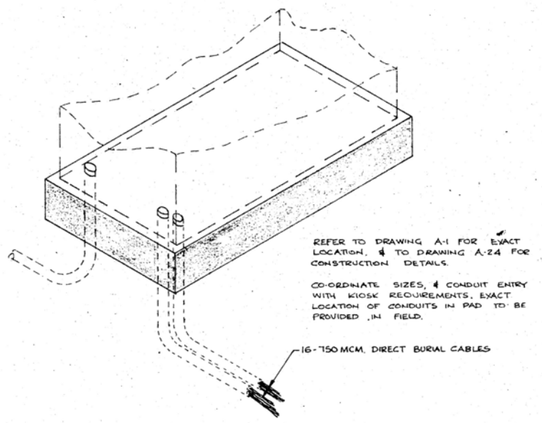
2 (E15 | E15) ENCLOSURE DETAIL OF OUTDOOR DISTRIBUTION CENTRES A, B & C



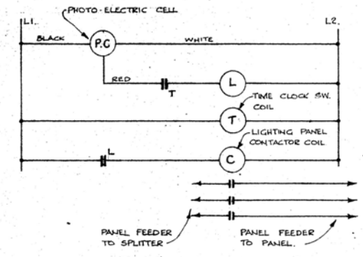
3 (E15 | E15) SINGLE LINE DIAGRAM OF OUTDOOR DISTRIBUTION CENTRES A, B & C



4 (E15 | E21) PROFILE OF MAIN ELECTRICAL SERVICE



5 (E15 | E15) DETAIL OF CONDUIT & PAD FOR MAIN TRANSFORMER



CONTROL SCHEMATIC FOR PANELS "LNN" & "LNP"

AS BUILT DRAWINGS

REVISIONS NO.	DATE	DESCRIPTION

PROJECT NO. 89857
DATE APRIL-1-74 | SCALE N.T.S
DRAWN G.F.S. | CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL-PANEL SCHEDULES-OUTDOOR

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE, Y.T.

DRAWING NO. E15

P. HOBNER ELECTRICAL ENGINEER

PANEL "LNL" (TYPICAL FOR "LNM" & "LNO")

VOLTAGE- 120-208 3PHASE, 4 WIRE. BUS- 400 AMPS
MOUNTING- IN OUTDOOR DISTRIBUTION FEEDER- AMPS
FEEDER WIRE SIZE-

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION	LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
BLOCK HEATER RECEPTS SEE NOTE 4	15A	1 2	15A	BLOCK HEATER RECEPTS SEE NOTE 1	BLOCK HEATER RECEPTS - SEE NOTE - 1	15A	43 44	15A	BLOCK HEATER RECEPTS SEE NOTE - 1
		3 4					45 46		
		5 6					47 48		
		7 8					49 50		
		9 10					51 52		
		11 12					53 54		
		13 14					55 56		
		15 16					57 58		
		17 18					59 60		
		19 20					61 62		
		21 22					63 64		
		23 24					65 66		
		25 26					67 68		
		27 28					69 70		
		29 30					71 72		
		31 32					73 74		
		33 34					75 76		
		35 36					77 78		
		37 38					79 80		
		39 40					81 82		
		41 42					83 84		

PANEL "LNN" (TYPICAL FOR "LNP")

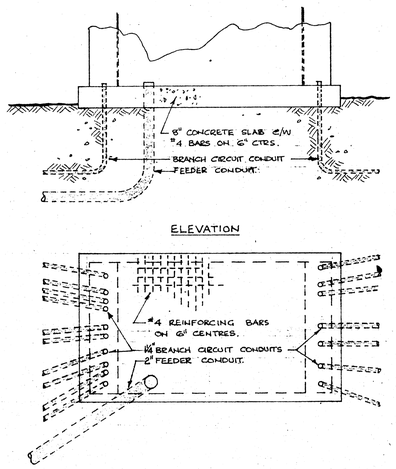
VOLTAGE- 120-208 3PHASE, 4 WIRE. BUS- 100 AMPS
MOUNTING- IN OUTDOOR DISTRIBUTION FEEDER- AMPS
FEEDER WIRE SIZE-

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
OUTSIDE LTG SEE DWG E21 & NOTE 2	15A	1 2	15A	OUTSIDE LTG SEE DRG E21 & NOTE - 2
		3 4		
		5 6		
		7 8		
		9 10		
		11 12		
		13 14		
		15 16		
		17 18		
		19 20		
		21 22		
		23 24		

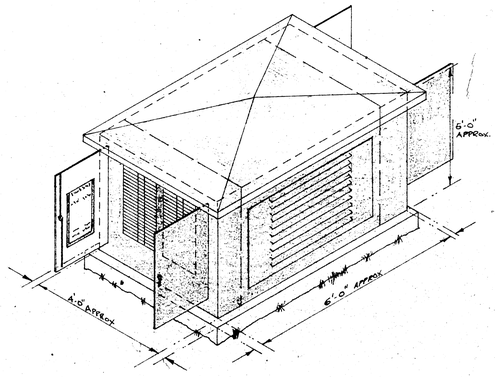
NOTES

1 - SUPPLY & INSTALL 216 - 15A - 1P CIRCUIT BREAKERS IN PANELS "LNL", "LNM", & "LNO" FOR BLOCK HEATER RECEPTACLES, & SPARES, SEE DRAWING E-21 FOR CIRCUIT DISTRIBUTION.

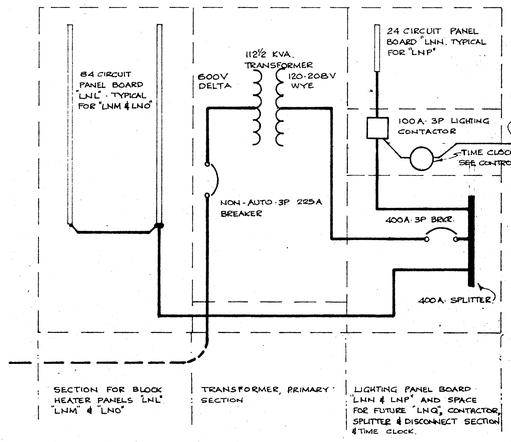
2 - SUPPLY & INSTALL 15A - 1P BREAKERS IN PANEL 'LNN' & 'LNP' FOR LIGHTING & SPARES - SEE DRAWING E21 FOR CIRCUIT DISTRIBUTION.



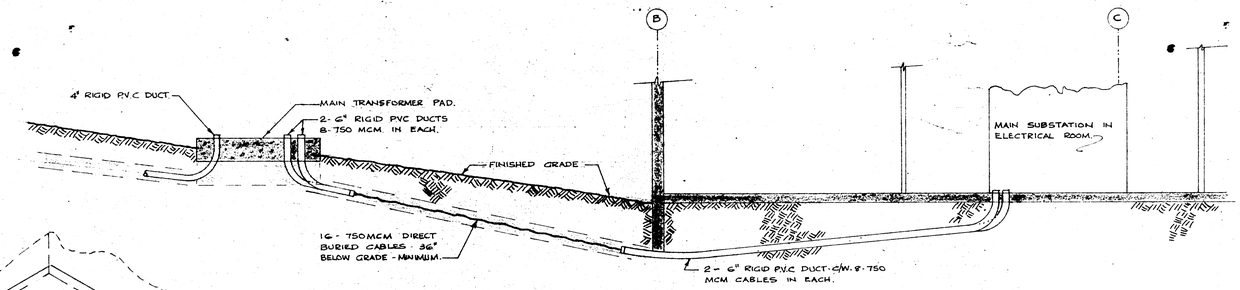
1 / E15 | E21 — DETAIL OF PAD & CONDUIT FOR OUTDOOR DISTRIBUTION CENTRES A, B & C



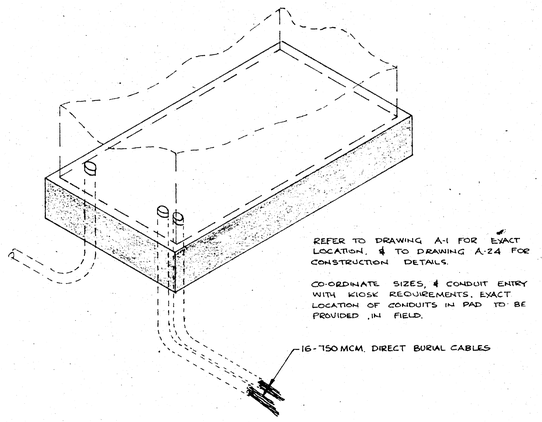
2 / E15 | E15 — ENCLOSURE DETAIL OF OUTDOOR DISTRIBUTION CENTRES A, B & C



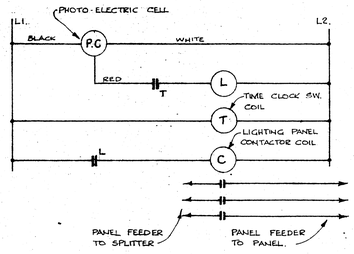
3 / E15 | E15 — SINGLE LINE DIAGRAM OF OUTDOOR DISTRIBUTION CENTRES A, B & C



4 / E15 | E21 — PROFILE OF MAIN ELECTRICAL SERVICE



5 / E15 | E15 — DETAIL OF CONDUIT & PAD FOR MAIN TRANSFORMER



CONTROL SCHEMATIC FOR PANELS "LNN" & "LNP"

R. HÖBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

REVISIONS NO.	DATE	DESCRIPTION

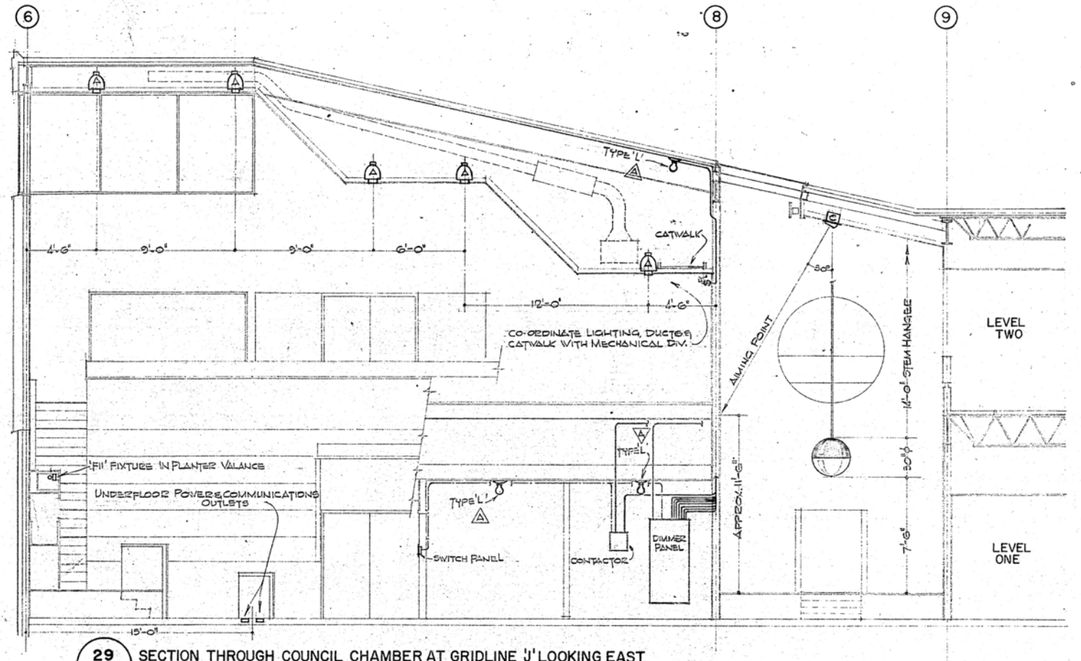
PROJECT NO. 89857
DATE APRIL-1-74 SCALE N.T.S
DRAWN G.F.S. CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

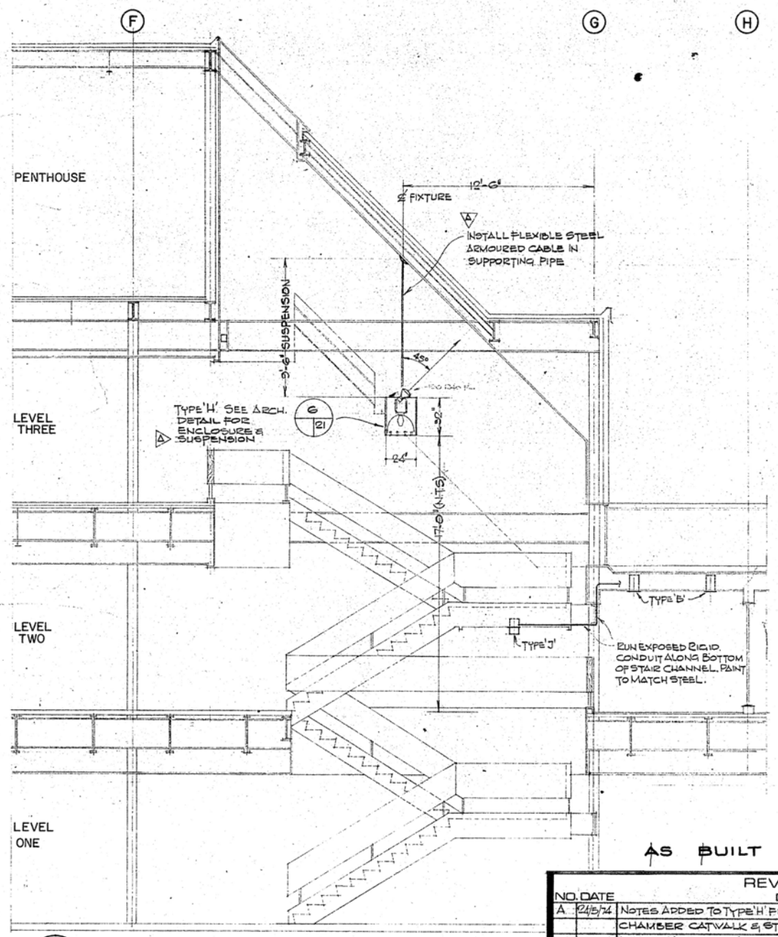
DRAWING TITLE
ELECTRICAL-PANEL SCHEDULES-OUTDOOR

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE, Y.T.

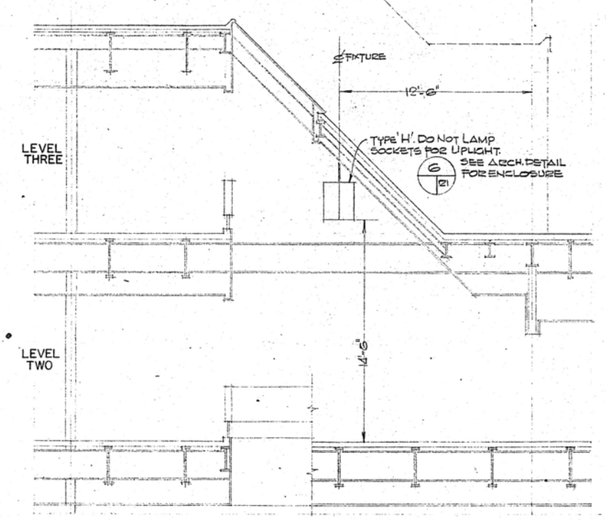
DRAWING NO. E15



29 E6 E16 SECTION THROUGH COUNCIL CHAMBER AT GRIDLINE 'J' LOOKING EAST
SCALE - 1/4" = 1'-0"



30 E16 SECTION THROUGH MALL AT GRIDLINE '5' LOOKING SOUTH
SCALE - 1/4" = 1'-0"



31 E16 SECTION THROUGH MALL AT GRIDLINE '9' LOOKING SOUTH
SCALE - 1/4" = 1'-0"

EMERGENCY LIGHTING - LEVEL 1 NORTH & KITCHEN
PANEL HEA C/W RELAY PANEL
VOLTAGE - 347/600 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 50 AMPS
FEEDER WIRE SIZE - 4 #8 R90 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. KITCHEN & STORAGE	900 15A-SP	1 2	1700 15A-SP	LTG. - NORTH HALF
LTG. CAFETERIA	2800 15A-SP	3 4	400 15A-SP	LTG. - ELECT. ROOM
SPARE	15A-SP	5 6	15A-SP	SPARE
SPACE		7 8		SPACE
SPACE		9 10		SPACE
		11 12		

EMERGENCY LIGHTING - COUNCIL BLOCK
PANEL HEB C/W RELAY PANEL
VOLTAGE - 347/600 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 50 AMPS
FEEDER WIRE SIZE - 4 #8 R90 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. - EX. COM. MEETING	1200 15A-SP	1 2	1200 15A-SP	LTG. - EX. COM. SECRETARY
LTG. - EX. COM. SECRETARY	600 15A-SP	3 4	15A-SP	SPARE
LTG. - COMMISSIONER	600 15A-SP	5 6	15A-SP	SPARE
SPARE	15A-SP	7 8		SPACE
SPACE		9 10	3600 15A-SP	LTG. COUNCIL BLK. OFFICES
LTG. - V.I.P.	2400 15A-SP	11 12	100 15A-SP	LTG. - LIBRARY
LTG. - WASHROOMS	400 15A-SP	13 14	1460 15A-SP	LTG. - LEVEL 1 SOUTH
LTG. - MECH. RM.	800 15A-SP	15 16	950 15A-SP	EXTRA
SPARE	15A-SP	17 18	15A-SP	SPARE
SPACE		19 20		SPACE
		21 22		
		23 24		

EMERGENCY LIGHTING - LEVEL 2 & 3
PANEL HEC C/W RELAY PANEL
VOLTAGE - 347/600 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 50 AMPS
FEEDER WIRE SIZE - 4 #8 R90 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HR BREAKER	CIRCUIT No. A B C	WATTS/HR BREAKER	LOAD DESCRIPTION
LTG. - LEVEL 2 NORTH HALF	2600 15A-SP	1 2	2500 15A-SP	LTG. - COMPUTER
LTG. - LEVEL 2 SOUTH-EAST	2400 15A-SP	3 4	3600 15A-SP	LTG. - COMPUTER
LTG. - LEVEL 3 NORTH	2300 15A-SP	5 6	2400 15A-SP	LTG. - LEVEL 3 SOUTH
SPARE	15A-SP	7 8	15A-SP	SPARE
SPACE	15A-SP	9 10	15A-SP	SPACE
		11 12		

AS BUILT DRAWINGS

REVISIONS			
NO.	DATE	DESCRIPTION	
A	12/5/74	NOTES ADDED TO TYPE 'H' FIXTURE, 'P' TYPE FIXTURES IN COUNCIL CHAMBER CATWALK & STORAGE CHANGED TO TYPE 'L'. DETAIL NUMBERS ADDED.	

PROJECT NO. 73837
DATE: 1 AUG. 74
SCALE: NOTED
DRAWN: C. SCHNEIDER
CHECK:
APPROVED: R. HOBNER

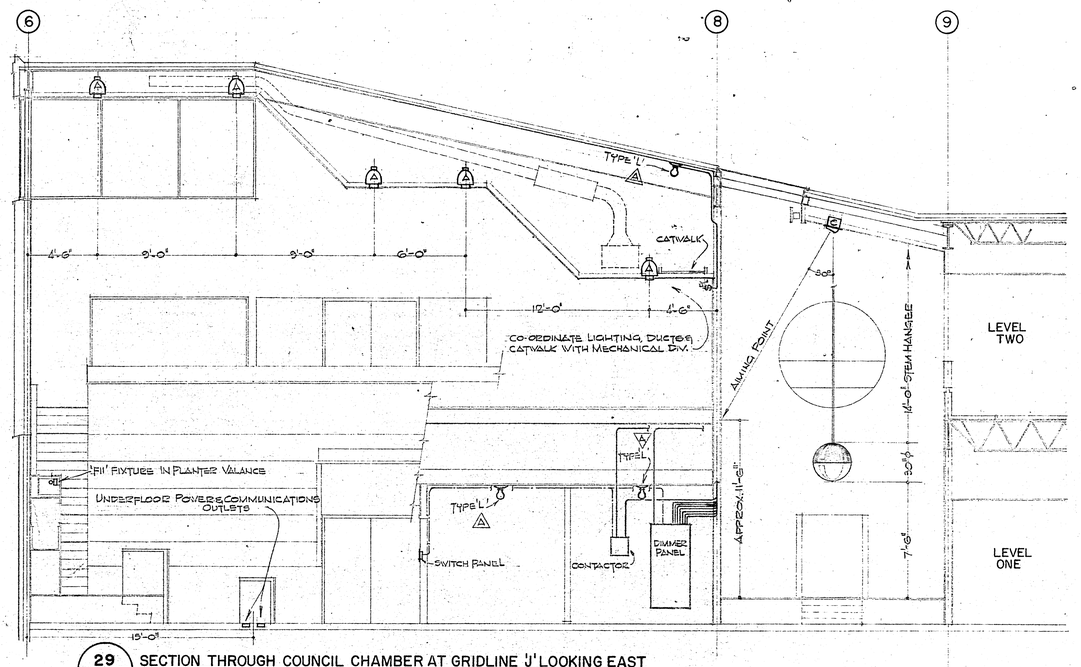
GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - SECTIONS & PANELS

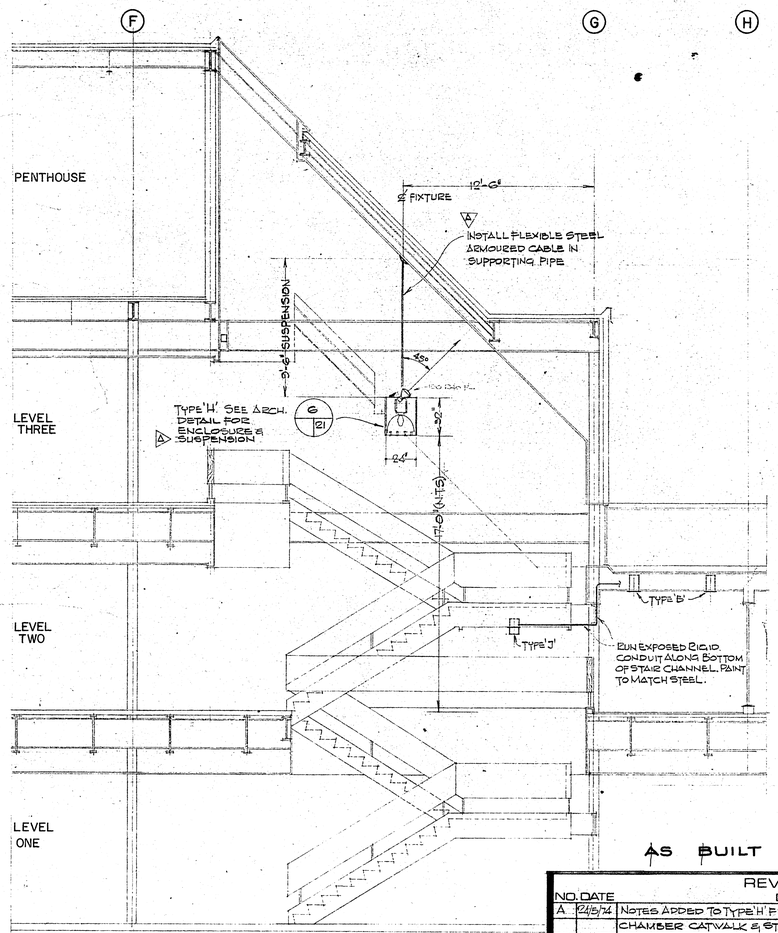
PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E16
A

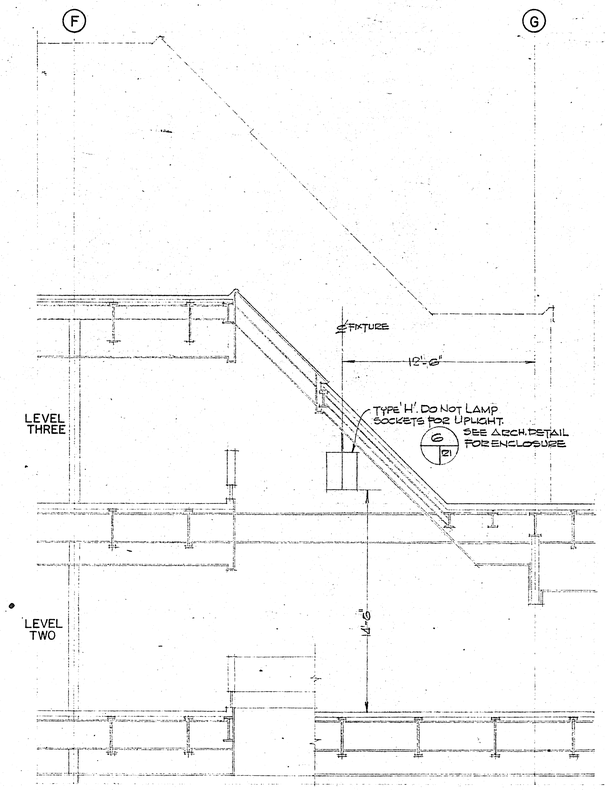
R. HOBNER ELECTRICAL ENGINEER



29 / E6 | E16 SECTION THROUGH COUNCIL CHAMBER AT GRIDLINE 'J' LOOKING EAST
SCALE - 1/4" = 1'-0"



30 / E16 SECTION THROUGH MALL AT GRIDLINE '5' LOOKING SOUTH
SCALE - 1/4" = 1'-0"



31 / E16 SECTION THROUGH MALL AT GRIDLINE '9' LOOKING SOUTH
SCALE - 1/4" = 1'-0"

EMERGENCY LIGHTING - LEVEL 1 NORTH & KITCHEN
C/W RELAY PANEL

PANEL HEA

VOLTAGE - 347/600 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 50 AMPS
FEEDER WIRE SIZE - 4 #8 #10 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. KITCHEN & STORAGE	300 15A-SP	1 2	1700 15A-SP	LTG. NORTH HALF
LTG. CAFETERIA	2800 15A-SP	3 4	400 15A-SP	LTG. ELECT. ROOM.
SPARE	15A-SP	5 6	15A-SP	SPARE
SPACE		7 8		SPACE
		9 10		
		11 12		

EMERGENCY LIGHTING - COUNCIL BLOCK
C/W RELAY PANEL

PANEL HEB

VOLTAGE - 347/600 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 50 AMPS
FEEDER WIRE SIZE - 4 #8 #10 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. EX. COM. MEETING	1200 15A-SP	1 2	1200 15A-SP	LTG. SOUTH HALF
LTG. EX. COM. SECRETARY	800 15A-SP	3 4	15A-SP	SPARE
LTG. COMMISSIONER	500 15A-SP	5 6	15A-SP	SPARE
SPACE	15A-SP	7 8		SPACE
SPACE		9 10	1200 15A-SP	LTG. COUNCIL BLK. STAIRS
LTG. V.H.F.	2400 15A-SP	11 12	100 15A-SP	LTG. [illegible]
LTG. WASHROOMS	400 15A-SP	13 14	1400 15A-SP	LTG. LEVEL 1 SOUTH
LTG. MECH. RM.	800 15A-SP	15 16	950 15A-SP	EXTRA
SPARE	15A-SP	17 18	15A-SP	SPARE
SPACE		19 20		SPACE
		21 22		
		23 24		

EMERGENCY LIGHTING - LEVELS 2 & 3
C/W RELAY PANEL

PANEL HEC

VOLTAGE - 347/600 3 PHASE, 4 WIRE. BUS - 100 AMPS
MOUNTING - SURFACE FEEDER - 50 AMPS
FEEDER WIRE SIZE - 4 #8 #10 - 1" CONDUIT

LOAD DESCRIPTION	WATTS/HP BREAKER	CIRCUIT No. A B C	WATTS/HP BREAKER	LOAD DESCRIPTION
LTG. LEVEL 2 NORTH HALF	2400 15A-SP	1 2	2300 15A-SP	LTG. KEYPUNCH
LTG. LEVEL 2 SOUTH-EAST	2400 15A-SP	3 4	2300 15A-SP	LTG. COMPUTER
LTG. LEVEL 3 NORTH	2300 15A-SP	5 6	2100 15A-SP	LTG. LEVEL 3 SOUTH
SPARE	15A-SP	7 8	15A-SP	SPARE
SPACE		9 10		SPACE
		11 12		

AS BUILT DRAWINGS

R. HOBNER ELECTRICAL ENGINEER

REVISIONS NO.	DATE	DESCRIPTION
A	12/5/74	NOTES ADDED TO TYPE 'H' FIXTURE, 'P' TYPE FIXTURES IN COUNCIL CHAMBER CATWALK & STORAGE CHANGED TO TYPE 'L'. DETAIL NUMBERS ADDED.

PROJECT NO. 73687
DATE 1 AUG. 74
SCALE NOTED
DRAWN C. ESTABROOKS
CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - SECTIONS & PANELS

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E16
A

INCOMING 600, 347Y, 3Ø WYE

MAIN BREAKER 2000 A

C/T

METERING BY YUKON ELECTRIC

P.T.

C/T

O.F.D.

FOR CONTINUATION SEE DWG E 18

C.D.P. N.º 2 MAIN ELECTRICAL ROOM 2000 A BUS

600

600

2-#300 MCM R90, 2-3" CONDUITS

600 NON-AUTO

MCC Nº 1 - PENTHOUSE 600 A BUS

40 — 3-#10 R90 - 3/4"C. — P14 CONDENSER PUMP 15 HP

40 — 3-#10 R90 - 3/4"C. — P15 CHILLED WATER PUMP 15 HP

15 — 3-#12 R90 - 3/4"C. — P16 NORTH COOLING COIL PUMP 3 HP

15 — 3-#12 R90 - 3/4"C. — P17 SOUTH COOLING COIL PUMP 3 HP

20 — 3-#12 R90 - 3/4"C. — K2 NORTH AHU 2/A BLOWER 7½ HP

20 — 3-#12 R90 - 3/4"C. — K4 SOUTH AHU 2/A BLOWER 7½ HP

125 — 3-#6 R90 - 1"C. — K3 NORTH AHU 3/A BLOWER 50 HP

125 — 3-#6 R90 - 1"C. — K1 SOUTH AHU 3/A BLOWER 50 HP

65 — 3-#10 R90 - 3/4"C. — D1 COOLING TOWER 20 HP

400 — 3-#250 MCM R90 - 3"C. — C1 CHILLER 185 KW

CONTACTOR

ENT

4-#2 R90 - 1½"C.

SIDEWALK HEATING 7.92 Kw

225 — 100 — 4-#2 R90 - 1½"C. — LEVEL 3 NORTH LIGHTING 45.1A

225 — 100 — 4-#2 R90 - 1½"C. — LEVEL 2 NORTH LIGHTING 41A

225 — 70 — 4-#4 R90 - 1½"C. — LEVEL 1 NORTH LIGHTING 41A

225 — 50 — 4-#6 R90 - 1"C. — LEVEL 1 COUNCIL BLOCK LTG. 26A

225 — 100 — 4-#2 R90 - 1½"C. — LEVEL 2 SOUTH LIGHTING 30A

225 — 50 — 4-#8 R90 - 1"C. — LEVEL 3 SOUTH LIGHTING 26.6A

225 — 225 — 4-#250 R90 - 2½"C. — PENTHOUSE POWER 235.4A

225 — 225 — 4-#250 R90 - 2½"C. — LEVEL 3 NORTH POWER 57A

225 — 225 — 4-#250 R90 - 2½"C. — LEVEL 2 NORTH POWER 57.4A

225 — 3-#4/0 R90 - 2½"C. — 225 — 3-4"300 MCM R90 - 3-3"C. — 600 Δ — 1 X 10' 225 KVA — 208 Y — CDP Nº3 MAIN ELECTRICAL 208Y 225 A BUS

100 — 50 — 4-#6 R90 - 1½"C. — LEVEL 1 NORTH POWER 28A

100 — 50 — 4-#6 R90 - 1"C. — LEVEL 1 SOUTH POWER 24.2A

100 — 100 — 4-#2 R90 - 1½"C. — QUEENS PRINTER POWER 49.7A

100 — 150 — 4-#1/0 R90 - 2"C. — KITCHEN POWER 117.2A

225 — 150 — 4-#3/0 R90 - 2½"C. — COUNCIL BLOCK - LEV 1 LTG & POWER 44.5A

225 — 150 — 4-#3/0 R90 - 2½"C. — COUNCIL BLOCK - LEV 2 LTG & POWER 72.2A

100 — 100 — 4-#2 R90 - 1½"C. — LEVEL 3 SOUTH - EAST POWER 85A

LEVEL 2 SOUTH POWER 60A

P14 CONDENSER PUMP 15 HP

P15 CHILLED WATER PUMP 15 HP

P16 NORTH COOLING COIL PUMP 3 HP

P17 SOUTH COOLING COIL PUMP 3 HP

K2 NORTH AHU 2/A BLOWER 7½ HP

K4 SOUTH AHU 2/A BLOWER 7½ HP

K3 NORTH AHU 3/A BLOWER 50 HP

K1 SOUTH AHU 3/A BLOWER 50 HP

D1 COOLING TOWER 20 HP

C1 CHILLER 185 KW

R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada Travaux publics Canada Pacific Region

NO.	DATE	REVISIONS DESCRIPTION
E	28/8/74	MAIN BREAKER SIZE ADDED

PROJECT NO. 89857

DATE 1APR'74 SCALE —

DRAWN C. Chittester CHECK

APPROVED R. Hobner

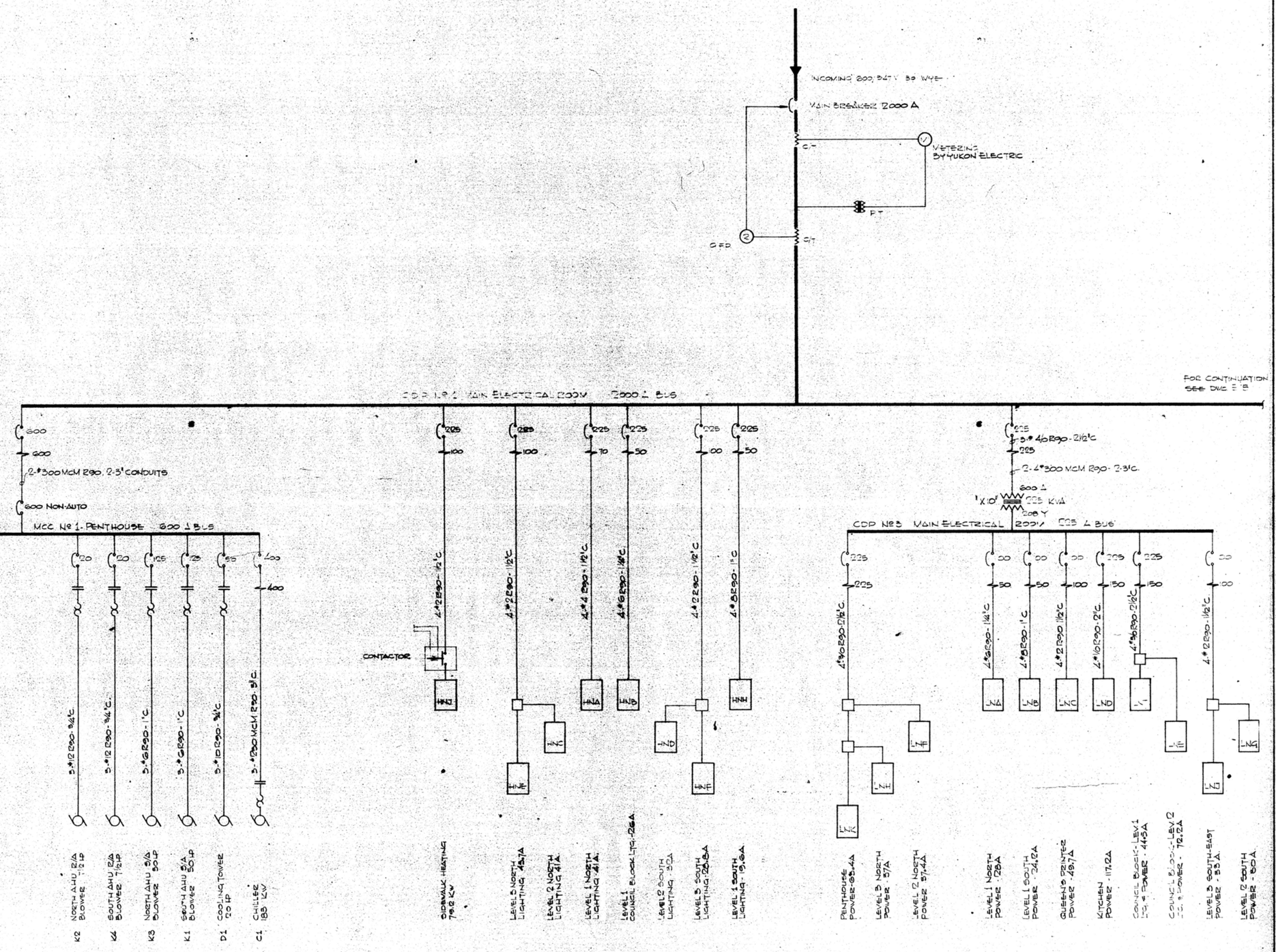
GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE

ELECTRICAL - SINGLE LINE DIAGRAM - PART 1

TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE Y.T.

DRAWING NO. E17 E



R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION
E	30/8/74	MAIN BREAKER SIZE ADDED

PROJECT NO. 89857
DATE 1APR'74
SCALE —
DRAWN C. DeVlieger
CHECK
APPROVED R. Hobner

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - SINGLE LINE DIAGRAM - PART 1

TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E17
E

EMERGENCY GENERATOR
300 KW
300/347 Y

SEE DWG 17 FOR CONTINUATION

C.D.P. Nº 1

C.D.P. Nº2 - EMERGENCY POWER - MAIN ELECTRICAL ROOM 600 A. BUS

225 - 2P
120
4-#2 R90-1½"C
'X1' 600/4 75 KVA 208/240
3-#3/0 MCM R90 - 2½"C

225
120
3-#1/0 R90-2½"C
'X3' 3-#1/0 R90-2½"C
DISTRIBUTION CENTER 'B'

225
120
'X4' 3-#1/0 R90-2½"C 600 Δ 25 KVA 208Y
DISTRIBUTION CENTER 'C'

225
120
3-#1 R90-1½"C
'X2' 3-#1 R90-1½"C
DISTRIBUTION CENTER 'A'

SUPPLIED TO EXISTING LIBRARY 65 KW.

PARKING LOT LIGHTING & CAR PLUGS 205 KW.

225
100
4-#2 R90-1½"C
225 NON-AUTO
MCC Nº3 - COUNCIL BLOCK 600 A. BUS

15 — 3-#12 R90-¾"C — Y6 POOL PUMP ½ HP
15 — 3-#12 R90-¾"C — P18 COUNCIL BLK COOL COIL PUMP - 1 HP
60 — 3-#8 R90-1"C — K3 AHU SUPPLY FAN BLOWER 25 HP
15 — 3-#12 R90-¾"C — K4 AHU RETURN FAN BLOWER 5 HP
50 — 4-#8 R90-1"C — COUNCIL BLOCK LEVELS 1 & 2 EMERG. LIGHTING 12.7A
50 — 4-#2 R90-1½"C — 600 Δ 30 KVA 'X5' 208Y — COUNCIL BLOCK LEVELS 1 & 2 EMERG. POWER 45.6A
30 — 3-#10 R90-1¼"C — HEB
LEA

225
100
4-#2 R90-1½"C
CDP #4 - MAIN ELEC. RM. 225A BUS

15 — 3-#12 R90-¾"C — Y6 WATER RECIRC PUMP ¾ HP
30 — 4-#8 R90-1"C — LEVELS 2 & 3 EMERG. LIGHTING - 10.5A
15 — 3-#12 R90-¾"C — 'X6' 10 KVA 208Y — LEVEL B COMPUTER 28A (208V)
HEC
LEB
CONTACTOR
15 — 3-#12 R90-¾"C — FIRE ALARM PANEL
2-20A-1P BREAKERS IN SPRINKLER ENCLOSURE, PAINTED RED
F/A
15 — 3-#12 R90-¾"C — LEVEL 1 NORTH BLOCK EMERG. LIGHTING 5.3A
LEA
15 — 3-#12 R90-¾"C — P20 OIL TRANSFER PUMP ¾ HP
15 — 3-#12 R90-¾"C — P21 OIL TRANSFER PUMP ¾ HP
30 — 3-#10 R90-1¼"C — 'X8' 600 Δ 30 KVA 208Y — KITCHEN EMERG. LTG & POWER 45.4A
4-#1 R90-1½"C
LED

225 — BREAKER SIZE (TYPICAL)
100 — TRIP SETTING (TYPICAL)
4-#2 R90-1½"C
225 NON AUTO
MCC Nº2 - PENTHOUSE - 600 A BUS

50 — 4-#1 R90-1½"C — 'X9' 600 Δ 50 KVA 208Y — PENTHOUSE & ELEV. EMERG. LIGHTING 4.2A
REC
15 — 3-#12 R90-¾"C — C1 CONTROLS COMPRESSOR 1 HP
15 — 3-#12 R90-¾"C — C2 CONTROLS COMPRESSOR 1 HP
40 — 3-#10 R90-1¼"C — Y1 ELEVATOR #1 15 HP
40 — 3-#10 R90-1¼"C — Y2 ELEVATOR #2 15 HP
15 — 3-#12 R90-¾"C — N1 COMBUSTION FAN 5 HP
15 — 3-#12 R90-¾"C — P11 PENTHOUSE TUNNEL PUMP - 5 HP
15 — 3-#12 R90-¾"C — P1 WATER LINE PRIMARY PUMP 5 HP
15 — 3-#12 R90-¾"C — P2 STANDBY WATER HTG PRIMARY PUMP 5 HP
15 — 3-#12 R90-¾"C — P5 WATER LINE SEC'Y PUMP 1½ HP
15 — 3-#12 R90-¾"C — P6 LEVEL 2 & 3 PUMP 1 HP
15 — 3-#12 R90-¾"C — P4 WATER BOOSTER PUMP 5 HP

HOBN ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

NO.	DATE	REVISIONS DESCRIPTION
D	17/10/74	MCC Nº2 & 3 BUS CHANGED TO 600 A.

PROJECT NO. 89857
DATE 1 APR. '74
SCALE —
DRAWN
CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - SINGLE LINE DIAGRAM - PART 2

DRAWING NO.
E18
D

EMERGENCY GENERATOR
300 KW
600/347 Y

SEE DWG 17 FOR CONTINUATION

C.D.P. Nº 1

C.D.P. Nº2 - EMERGENCY POWER - MAIN ELECTRICAL ROOM 600 A. BUS

225 - 2P
120
4#2 R90 - 1½"C
5#300 MCM R90 - 3"C
'X1' 600 Δ 75 KVA 208/240

225
120
4#1 R90 - 1½"C.
'X2' 35
DISTRIBUTION CENTER 'A'

225
120
4#1/0 R90 - 2½"C.
'X3' 35
DISTRIBUTION CENTER 'B'

225
120
4#1/0 R90 - 2½"C.
'X4' 600 Δ 25 KVA 208Y
DISTRIBUTION CENTER 'C'

EMERGENCY LIGHTING & RECEPTACLES IN EXISTING LIBRARY 6.5 KW.

PARKING LOT LIGHTING & CARPLUGS 20.5 KW.

225
100
4#2 R90 - 1½"C
225 NON-AUTO
MCC Nº3 - COUNCIL BLOCK 600 A. BUS

Y6 POOL PUMP 2 HP
P18 COUNCIL BLK COOL. COIL PUMP - 1 HP
K5 AHU SUPPLY AIR BLOWER 125 HP
K6 AHU RETURN AIR BLOWER 5 HP
COUNCIL BLOCK LEVELS 1 & 2 EMERG. LIGHTING 12.7A
COUNCIL BLOCK LEVELS 1 & 2 EMERG. POWER 45.6A

225
100
4#2 R90 - 1½"C
CDR #4 - MAIN ELEC. RM. 225A BUS

Y6 WATER TREATING PUMP 3/4 HP
LEVELS 2 & 3 EMERG. LIGHTING 10.5A
LEVEL 3 COMPUTER 28A (208V)
FIRE ALARM PANEL
LEVEL 1 NORTH BLOCK EMERG. LIGHTING 5.3A
P20 OIL TRANSFER PUMP 3/4 HP
P21 OIL TRANSFER PUMP 5 HP
KITCHEN EMERG. LTG. & POWER 45.4A

225 — BREAKER SIZE (TYPICAL)
100 — TRIP SETTING (TYPICAL)
4#2 R90 - 1½"C
225 NON AUTO
MCC Nº2 - PENTHOUSE - 600 A BUS

REC
PENTHOUSE & ELEV. EMERG. LIGHTING 4.5A
G1 CONTROLS COMPRESSOR 1 2 HP
G2 CONTROLS COMPRESSOR 2 2 HP
Y1 ELEVATOR #1 15 HP
Y2 ELEVATOR #2 15 HP
N1 COMBUSTION AIR 5 HP
P11 PENTHOUSE GLYCOL PUMP - 5 HP
P1 WATER LINE PRIMARY PUMP 5 HP
P2 STANDBY WATER LINE PRIMARY PUMP 5 HP
P3 STANDBY SEC'Y PUMP 1½ HP
P5 LEVEL 2 & 3 PUMP 1 HP
P4 MAIN BLOCK STANDBY PUMP 1 HP

HOBN ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

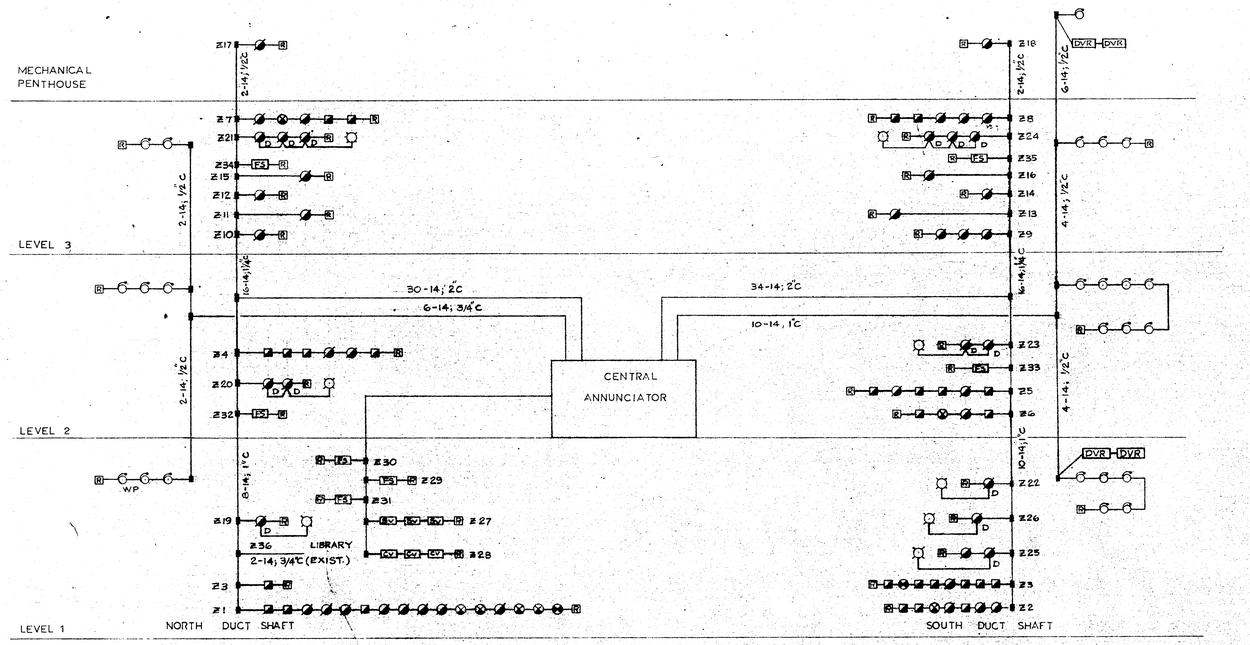
REVISIONS		
NO.	DATE	DESCRIPTION
D	11/8/74	MCC #2&3 BUS CHANGED TO 600 A.

PROJECT NO. 89857
DATE 1 APR. '74
SCALE —
DRAWN
CHECK
APPROVED

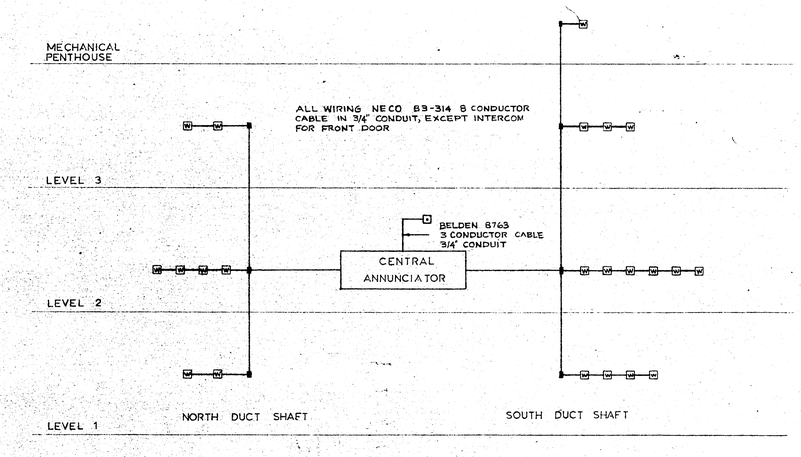
GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - SINGLE LINE DIAGRAM - PART 2

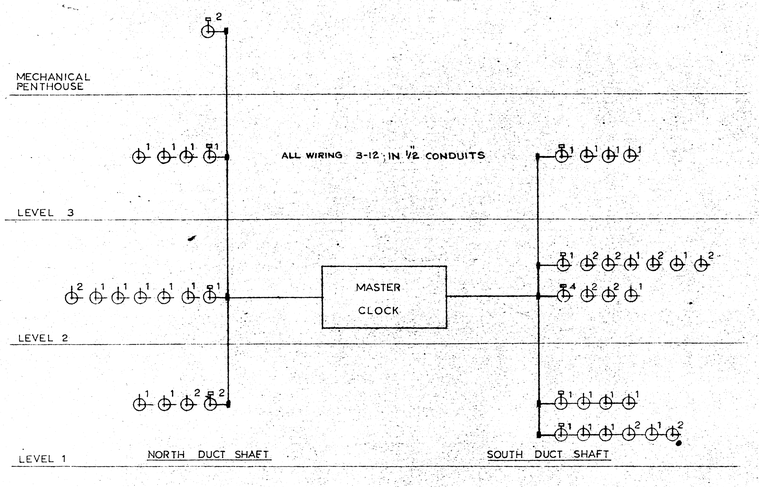
DRAWING NO.
E18
D



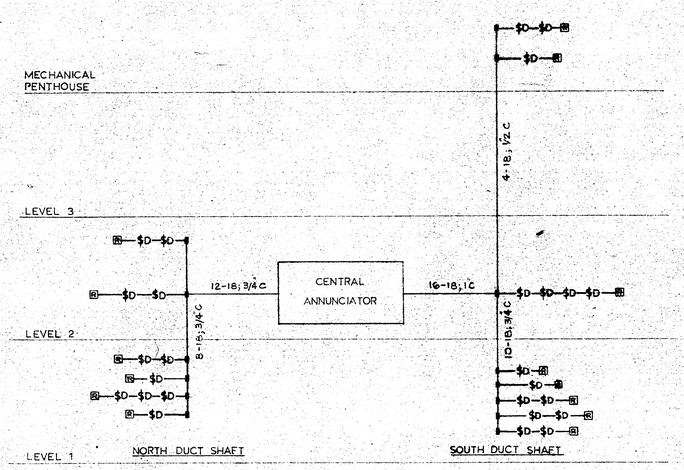
FIRE ALARM SYSTEM RISER DIAGRAM



WATCHMAN'S TOUR/INTERCOM RISER DIAGRAM



CLOCK SYSTEM RISER DIAGRAM



INTRUSION ALARM RISER DIAGRAM

R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Travaux publics Canada Canada Pacific Region

NO.	DATE	REVISIONS DESCRIPTION

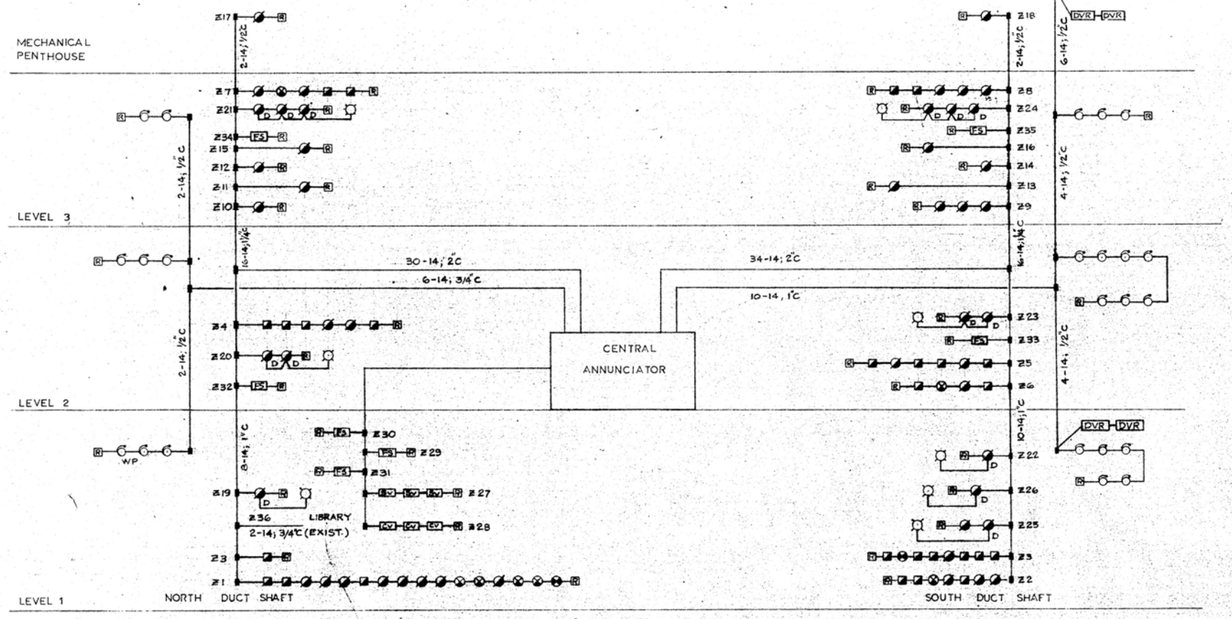
PROJECT NO. 89857
DATE 1 APR. 74 | SCALE N.T.S.
DRAWN B.S. | CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

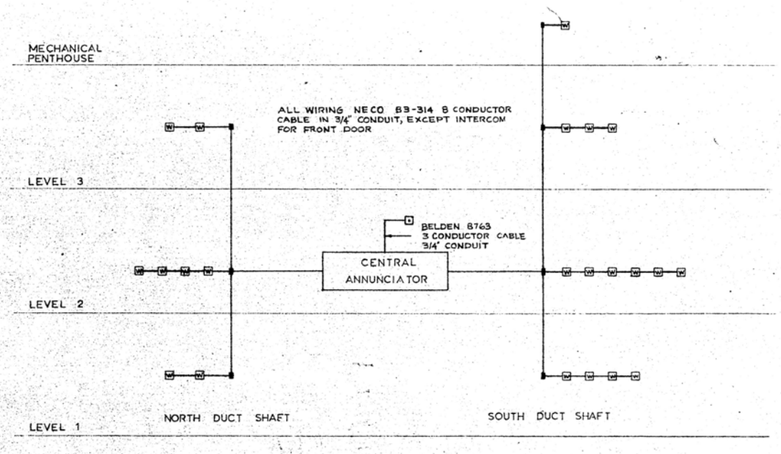
DRAWING TITLE
ELECTRICAL-COMMUNICATIONS RISER DIAGMS

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

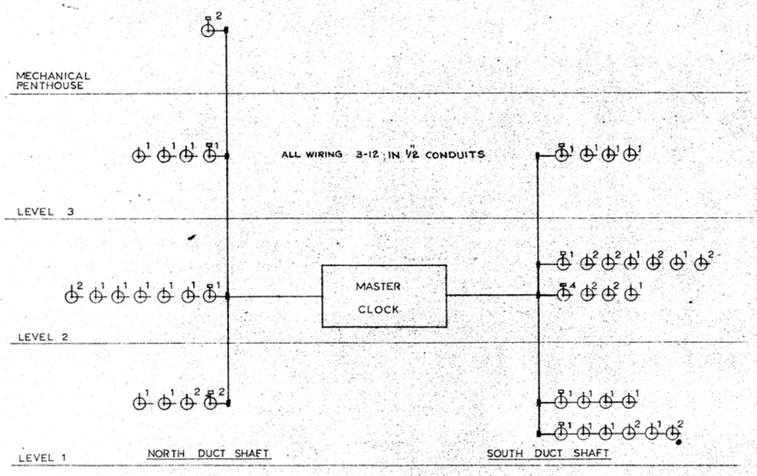
DRAWING NO.
E19



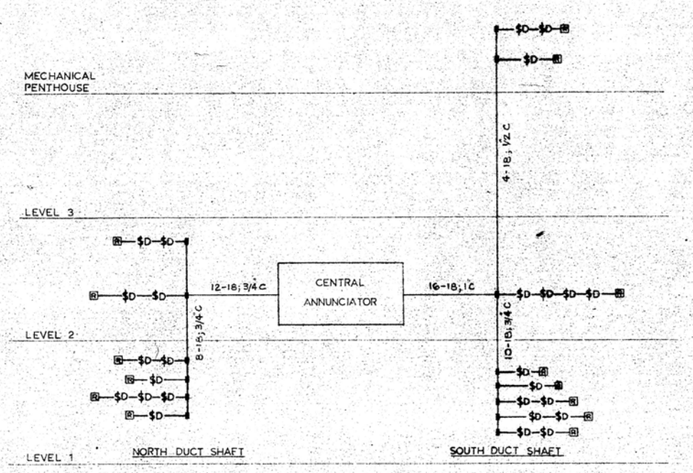
FIRE ALARM SYSTEM RISER DIAGRAM



WATCHMAN'S TOUR/INTERCOM RISER DIAGRAM



CLOCK SYSTEM RISER DIAGRAM



INTRUSION ALARM RISER DIAGRAM

R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Travaux publics Canada Canada Pacific Region

NO.	DATE	REVISIONS DESCRIPTION

PROJECT NO. 89857
DATE 1 APR. 74 | SCALE N.T.S.
DRAWN B.S. | CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL-COMMUNICATIONS RISER DIAGMS

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E19

MOTOR SCHEDULE

EQUIPM'T Nº	DESCRIPTION	MOTOR DATA HP	VOLT.	PHASE	STARTER DATA TYPE	LOCATION	SUPPLIED BY	SERVICE PANEL	CIRCUIT	CONDUCTORS	REMARKS
B1	HEATING BOILER	5	208	3	I	PENT. MECH. RM - UNIT MTD	ELECTRICAL	LEC	19/21/24	3-#12 R90-¾"C.	
B4	SUMMER BOILER	¼	115	1	F	〃 〃	〃 〃	LNK	39	2-#12 R90-½"C.	
B5	STEAM BOILER	⅛	115	1	F	↓ ↓	↓ ↓	LNK	41	↓	
C1	CHILLER	185 KW	600	3	—	PENT. MECH. RM.	MECHANICAL	Mcc#1	—	3-#350 MCM R90-3"C.	
D1	COOLING TOWER	20	600	3	C	PENT. MECH. RM. - MCC#1	ELECTRICAL	Mcc#1	—	3-#10 R90-1"C.	
K1	NORTH SUPPLY FAN	50	600	3	A			MCC#1	—	3-#6 R90-1"C.	
K2	NORTH RETURN FAN	7½	600	3	C			MCC#1	—	3-#12 R90-¾"C.	
K3	SOUTH SUPPLY FAN	50	600	3	A			Mcc#1	—	3-#6 R90-1"C.	PROVIDE DISCONNECT AT UNIT
K4	SOUTH RETURN FAN	7½	600	3	C	↓ ↓	↓ ↓	Mcc#1	—	3-#12 R90-¾"C.	
K5	COUNCIL SUPPLY FAN	25	600	3	A	C.B. MECH. RM. - MCC#3		MCC#3	—	3-#6 R90-1"C.	
K6	COUNCIL RETURN FAN	5	600	3	C	↓ ↓		MCC#3	—	3-#12 R90-¾"C.	
K7	NORTH GEN. EXHAUST	½	208	1	G	PENT. MECH. RM. - UNIT MTD		LNK	32/34	2-#12 R90-½"C.	
K8	NORTH WASH RM. EXHAUST	⅛	208	1	G			LNK	36/38		
K9	KITCHEN EXHAUST	¾	208	1	G			LNK	40/42		WIRED THROUGH EXHAUST FAN CONTROL PANEL. SEE 35/E24
K10	SOUTH GENERAL EXH.	½	208	1	G			LNK	31/33		
K11	SOUTH WASH RM. EXHAUST	⅛	208	1	G	↓ ↓		LNK	35/37		
K12	COUNCIL BLOCK EXHAUST	¼	208	1	G	C.B. MECH. RM. - UNIT MTD	↓ ↓	LEA	35/37		WIRED THROUGH SELECTOR SWITCH. SEE 20/E24
K13	WASHROOM EXHAUST	1/25	115	1	—	LEV. 2 WEST WASH RMS.	MECHANICAL	LNE	3		
K14	〃 〃 〃	1/25	115	1	—			LNE	5		"OFF" DELAY TIMER S/W LIGHT SWITCH BY MECH.
K15	〃 〃 〃	1/25	115	1	—	↓ ↓		LEA	1		
K16	ELECTRICAL RM. EXHAUST	⅛	115	1	—	ELECT. RM.		LNA	16		SPEED CONTROL SWITCH BY MECH
K17	DARK RM. SUPPLY	⅛	115	1	—	LEV. 1 - DARK ROOM		LNB	21		TWO SPEED SWITCH BY MECH.
N1	COMBUSTION AIR H.U.	5	600	3	A	PENT. MECH. RM. - MCC#2	ELECTRICAL	MCC#2	—	3-#12 R90-¾"C.	
O1	CONTROLS COMPRESSOR	2	600	3	A			MCC#2	—		PROVIDE DISCONNECT AT UNIT.
P1	WINTER HTG. PRIMARY	3	600	3	A			MCC#2	—		
P2	STANDBY WINT. HTG. PRIM'Y.	3	600	3	A	↓ ↓	↓ ↓	MCC#2	—	↓	
P3	SUMMER HTG. PRIMARY	⅛	115	1	F	PENT. MECH. RM. - UNIT MTD.		LNK	29	2-#12 R90-½"C.	WIRED THROUGH SELECTOR SWITCH, SEE 34/E24
P4	MAIN BLK. HTG. SEC'Y STDBY.	1	600	3	A	PENT. MECH. RM. - MCC#2		MCC#2	—	3-#12 R90-¾"C.	
P5	HOT LINE SECONDARY	1½	600	3	A			MCC#2	—		PROVIDE DISCONNECT AT UNIT
P6	MAIN BLK. LEV 2/3 HTG. SEC'Y	1	600	3	A	↓ ↓	↓ ↓	MCC#2	—	↓	
P7	MAIN BLK. LEV 1 HTG. SEC'Y	⅓	115	1	F	PENT. MECH. RM. - UNIT MTD.		LEC	18	2-#12 R90-½"C.	WIRED THROUGH SELECTOR SWITCH. SEE 34/E24
P8	COUNCIL BLK. LEV 1 HTG. SEC'Y	¼	115	1	F	C.B. MECH. RM. - UNIT MTD.		LEA	30		
P9	COUNCIL BLK. LEV 2 HTG. SEC'Y	¼	115	1	F	〃 〃	〃 〃	LEA	32		WIRED THROUGH PUMP CONTROL PANEL SEE 33/E24
P10	COUNCIL BLK. SEC'Y STDBY	¼	115	1	F	↓ ↓	↓ ↓	LEA	34	↓	
P11	PENTHOUSE GLYCOL PUMP	3	600	3	A	PENT. MECH. RM. - MCC#2		MCC#2	—	3-#12 R90-¾"C.	PROVIDE DISCONNECT AT UNIT
O2	CONTROLS COMPRESSOR	2	600	3	A	↓ ↓		MCC#2	—	↓	
O3	COMPRESSOR AFTERCOOLER	⅓	115	1	F	PENT. MECH. RM. - UNIT. MTD.		LEC	16	2-#12 R90-½"C.	
P14	CONDENSER WATER	15	600	3	A	PENT. MECH. RM. - MCC#1		MCC#1	—	3-#10 R90-¾"C.	
P15	CHILLED WATER PRIMARY	15	600	3	C			MCC#1	—	↓	PROVIDE DISCONNECT AT UNIT.
P16	NORTH ZONE COOL. COIL	5	600	3	C			MCC#1	—	3-#12 R90-¾"C.	
P17	SOUTH ZONE COOL. COIL	5	600	3	C	↓ ↓	↓ ↓	Mcc#1	—	↓	
P18	COUNCIL BLK. COOL COIL	1	600	3	C	C.B. MECH. RM - Mcc#3		MCC#3	—	↓	
P19	COUNCIL BLK HTG. COIL	½	115	1	F	C.B. MECH. RM - UNIT MTD.	↓	LEA	31	2-#12 R90-½"C.	WIRED THROUGH PUMP CONTROL PANEL. SEE 33/E24

MOTOR SCHEDULE (CONTINUED)

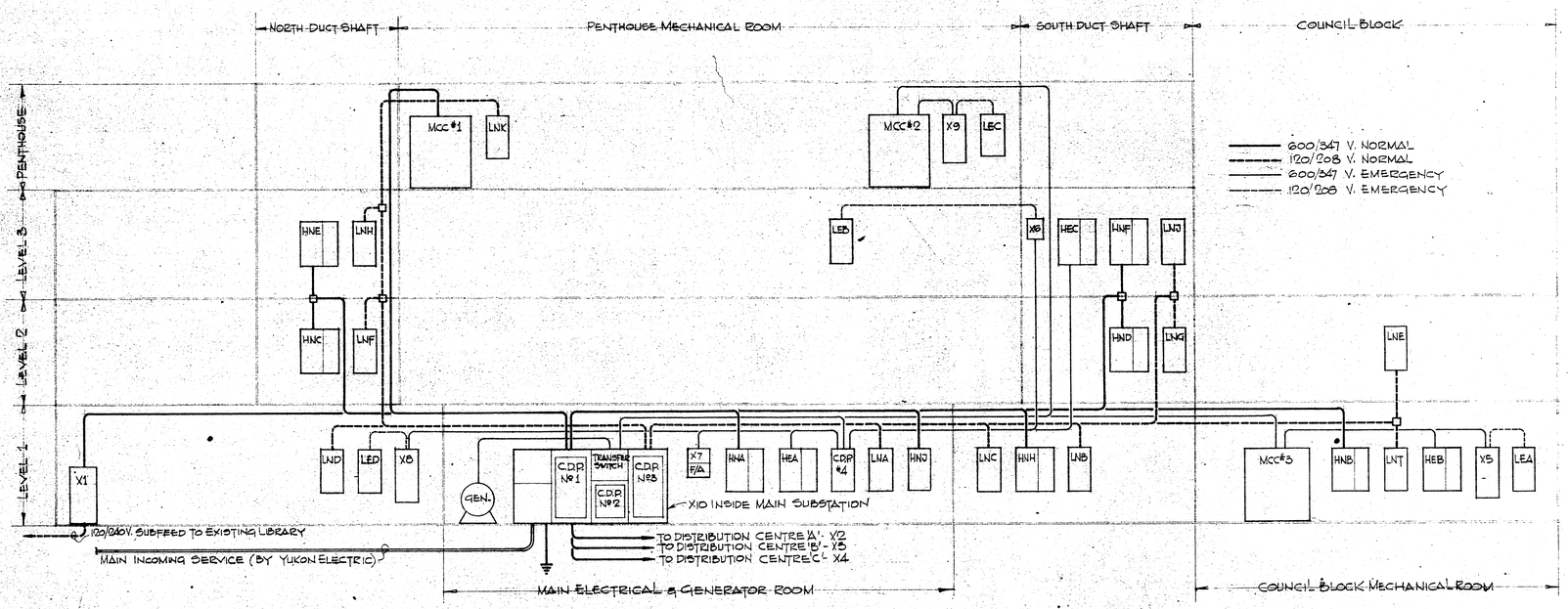
EQUIPM'T Nº	DESCRIPTION	MOTOR DATA HP	VOLT.	PHASE	STARTER DATA TYPE	LOCATION	SUPPLIED BY	SERVICE PANEL	CIRCUIT	CONDUCTORS	REMARKS
P20	OIL TRANSFER PUMP 1	¾	600	3	B	SPRINKLER RM.	ELECTRICAL	CDP#1	12/G/18	3-#12 R90-¾"C.	
P21	OIL TRANSFER PUMP 2	¾	600	3	B	↓ ↓	↓ ↓	CDP#4	20/22/24	↓	
P22	GLYCOL FILL - PENTHOUSE	¼	115	1	F	PENT. MECH. RM - UNIT MTD		LNK	30	2-#12 R90-½"C.	
P23	GLYCOL FILL - COUNCIL BLK.	¼	115	1	F	C.B. MECH. RM - UNIT MTD.	↓	LEA	33		
Q1	UNIT HEATER - PENTHOUSE	1/25	115	1	—	INTEGRAL	MECHANICAL	LNK	23		SPEED CONTROL SWITCH & LINE VOLTAGE THERMOSTAT BY MECH.
Q2		1/12	115	1	F	PENT. MECH. RM - UNIT MTD	ELECTRICAL	LNK	25		
Q3		1/20	115	1	F			LNK	27		
Q4		1/20	115	1	F			LNK	26		LINE VOLTAGE THERMOSTAT BY MECH.
Q5	↓ ↓	1/20	115	1	F	↓ ↓		LNK	28		
Q6	UNIT HEATER - C.B. MECH RM	1/20	115	1	F	C.B. MECH RM - UNIT MTD.		LNT	24		
Q7	2 UNIT HEATERS - LOADING BAY	208/25	115	1	F	UNIT MTD.	↓	LNA	12		
Q8	UNIT HTR. - CAFETERIA ENTR.	1/25	115	1	—	INTEGRAL	MECHANICAL	LND	3		
Q9	- COUNCIL BLK ENT.	1/25	115	1	—	INTEGRAL	MECHANICAL	LNT	20		
Q10	- LEVEL 1 ENTRY	1/12	115	1	—	INTEGRAL	MECHANICAL	LNT	22		SPEED CONTROL SWITCH & LINE VOLTAGE THERMOSTAT BY MECH.
Q11	- LEVEL 2 ENTRY	1/12	115	1	—	INTEGRAL	MECHANICAL	LNF	51		
Q12	- LEVEL 2 ENTRY	1/8	115	1	—	INTEGRAL	MECHANICAL	LNE	29		
Q13	↓ - GENERATOR RM.	1/20	115	1	E	GEN. RM. - WALL MTD	ELECTRICAL	LNA	14	↓	LINE VOLTAGE THERMOSTAT BY MECH.
B2	HEATING BOILER	5	208	3	I	PENT. MECH. RM - UNIT MTD.		LEC	20/22/24	3-#12 R90-¾"C.	
F5	DHW TANK	¼	115	1	G	↓ ↓	↓ ↓	LNK	18	2-#12 R90-½"C.	
Y1	ELEVATOR NO 1	15	600	3	—	TOP OF ELEV. SHAFT #1	BY OTHERS	Vcc#2	—	3-#10 R90-¾"C.	CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE DISCONNECT & FEEDER AS SHOWN ON E12
Y2	ELEVATOR NO 2	15	600	3	—	TOP OF ELEV. SHAFT #2	BY OTHERS	MCC#2	—	3-#10 R90-¾"C.	
Y3	SHREDDER	5	208	3	—	LOADING BAY *	BY OTHERS	LNA	11/13/15	3-#8 R90-¾"C.	CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE OUTLET BOX & FEEDER AS SHOWN ON E5
Y4	GARBAGE COMPACTOR	5	600	3	—	LOADING BAY	BY OTHERS	HNA	123/25/27	3-#12 R90-¾"C.	
Y5	OIL HEATER	6 KW	208	3	NONE	PENTHOUSE	—	LEC	13/15/17		PROVIDE 30A-3P CONTACTOR. SEE 38/E24
Y6	POOL PUMP	1.	600	3	D	C.B. MECH. RM.	ELECTRICAL	MCC#3	—	↓	
Y7	—DELETED—	—	—	—	—	—	—	—	—	—	
Y8	WATER RECIRC. PUMP	¾	600	3	H	WATER METER RM.	ELECTRICAL	CDP#4	17/19/21	3-#12 R90-¾"C.	
Y9	HEATER	2 KW	208	1	—	H. ELEV. MACH. RM.		LNK	19/21	2-#12 R90-½"C.	INTEGRAL THERMOSTAT
Y10	HEATER	2 KW	208	1	—	S. ELEV. MACH. RM.	↓	LNK	20/22	↓	
Y11	SOLUTROL - PENTHOUSE	¼	115	1	—	INTEGRAL	MECHANICAL	LNK	24		PACKAGE UNIT BY MECHANICAL.
Y12	DOOR OPERATOR - WELFARE	½	115	1	—	WALL MTD.	DIV. 11	LNF	33		
Y13	- STAIR #5	½	115	1	—			LNF	34		
Y14	- EDUCATION	½	115	1	—			LNG	24	↓	CONNECT UP KEY OPERATED "OPEN - LOCK - CLOSE"
Y15	- AT STAIR #6	¾	115	1	—			LNG	26	2-#10 R90-½"C.	SWITCH PROVIDED BY DIV. 11.
Y16	↓ - LEVEL 5.	½	115	1	—	↓	↓	LNJ	22	2-#12 R90-½"C.	

STARTER TYPE LEGEND

A	COMBINATION CIRCUIT BREAKER/MAGNETIC MOTOR STARTER, RACK MOUNTED, WITH TERMINAL STRIP AS SHOWN ON DETAIL 37/E24	E	115V-1φ MANUAL MOTOR STARTER S/W OVERLOAD HEATERS & NEON PILOT LIGHT. WALL MTD.
		F	AS TYPE 'E', BUT UNIT MOUNTED.
B	AS TYPE 'A', BUT FOR SURFACE WALL MOUNTING	G	AS TYPE 'E' FOR 208V-1φ, UNIT MOUNTED.
C	AS TYPE 'A' S/W ADJUSTABLE TIME DELAY RELAY SET AT 5 SECONDS.	H	AS TYPE 'E' FOR 600V-3φ WALL MOUNTED.
D	AS TYPE 'A' WITH TERMINALS 2,3 & 4 INTERCONNECTED.	I	AS TYPE 'E' FOR 208V-3φ UNIT MOUNTED.

TRANSFORMER SCHEDULE

Nº	DUTY	KVA	PRIMARY	SECONDARY	LOCATION
X1	SUBFEED TO EXIST. LIBRARY	75	600-1 PH	120/240	FLOOR MTD - TOURIST STORAGE & MAIL
X2	PARK. LOT LTG. & CARPLUGS	112.5	600-Δ	208-Y	PAD MTD. - DISTRIBUTION CENTRE 'A'
X3	〃 〃	112.5	600-Δ	208-Y	〃 〃 〃 'B'
X4	〃 〃	112.5	600-Δ	208-Y	〃 〃 〃 'C'
X5	PANEL LEA - COUNCIL BLK.	30	600-Δ	208-Y	WALL MTD - COUNCIL BLOCK LEVEL 1 MECHANICAL ROOM
X6	PANEL LED - COMPUTER	10	600-Δ	208-Y	WALL MTD - LEVEL 3 SOUTH DUCT SHAFT
X7	FIRE ALARM PANEL	3	600-1 PH	120/240	WALL MTD - MAIN ELECTRICAL ROOM
X8	PANEL LED - KITCHEN	30	600-Δ	208-Y	WALL MTD - LEVEL 1 TOURISM STORAGE
X9	PANEL LEC - PENTHOUSE	30	600-Δ	208-Y	WALL MTD - PENTHOUSE MECHANICAL ROOM.
X10	C.D.P. Nº3	225	600-Δ	208-Y	UNIT MTD - INSIDE MAIN SUBSTATION.



DISTRIBUTION RISER DIAGRAM - 600/347 & 120/208 VOLT 3 PHASE, 4 WIRE.

R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

NO	DATE	REVISIONS DESCRIPTION
A	24/5/74	STARTER TYPES & REMARKS ADDED, TRANSFORMER SCHEDULE & RISER DIAGRAM ADDED.

PROJECT NO. 89857
DATE 1 APR '74
SCALE —
DRAWN [illegible] CHECK R.H.
APPROVED R.H.

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - MOTOR SCHEDULE & DISTRIBUTION RISER DIAGRAM
PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO. E20 A

MOTOR SCHEDULE

EQUIP'MT Nº	DESCRIPTION	MOTOR DATA HP	VOLT.	PHASE	STARTER DATA TYPE	LOCATION	SUPPLIED BY	SERVICE PANEL	CIRCUIT	CONDUCTORS	REMARKS
B1	HEATING BOILER	3	208	3	I	PENT. MECH. RM - UNIT MTD	ELECTRICAL	LEC	19/21/24	3-#12 R90-¾"C.	
B4	SUMMER BOILER	¼	115	1	F	〃 〃	〃	LNK	39	2-#12 R90-½"C.	
B5	STEAM BOILER	⅛	115	1	F	〃 〃	〃	LNK	41	〃	
C1	CHILLER	185 KW	600	3	—	PENT. MECH. RM -	MECHANICAL	MCC#1	—	3-#250 MCM R90-3"C.	
D1	COOLING TOWER	20	600	3	C	PENT. MECH. RM - MCC#2	ELECTRICAL	MCC#1	—	3-#10 R90-1"C.	
K1	NORTH SUPPLY FAN	50	600	3	A	〃 〃	〃	MCC#1	—	3-#6 R90-1"C.	
K2	NORTH RETURN FAN	7½	600	3	C	〃 〃	〃	MCC#1	—	3-#12 R90-¾"C.	
K3	SOUTH SUPPLY FAN	50	600	3	A	〃 〃	〃	MCC#1	—	3-#6 R90-1"C	PROVIDE DISCONNECT AT UNIT
K4	SOUTH RETURN FAN	7½	600	3	C	〃 〃	〃	MCC#1	—	3-#12 R90-¾"C.	
K5	COUNCIL SUPPLY FAN	25	600	3	A	C.B. MECH. RM - MCC#3	〃	MCC#3	—	3-#6 R90-1"C.	
K6	COUNCIL RETURN FAN	5	600	3	C	〃 〃	〃	MCC#3	—	3-#12 R90-¾"C.	
K7	NORTH GEN. EXHAUST	½	208	1	G	PENT. MECH. RM - UNIT MTD	〃	LNK	32/34	2-#12 R90-½"C.	
K8	NORTH WASH RM. EXHAUST	⅓	208	1	G	〃 〃	〃	LNK	36/38	〃	
K9	KITCHEN EXHAUST	¾	208	1	G	〃 〃	〃	LNK	40/42	〃	WIRED THROUGH EXHAUST FAN CONTROL PANEL. SEE 35/E24
K10	SOUTH GENERAL EXH.	½	208	1	G	〃 〃	〃	LNK	31/33	〃	
K11	SOUTH WASH RM. EXHAUST	⅓	208	1	G	〃 〃	〃	LNK	35/37	〃	
K12	COUNCIL BLOCK EXHAUST	¼	208	1	G	C.B. MECH. RM - UNIT MTD	〃	LEA	35/37	〃	WIRED THROUGH SELECTOR SWITCH. SEE 20/E24
K13	WASHROOM EXHAUST	1/25	115	1	—	LEV. 2 WEST WASH RMS.	MECHANICAL	LNB	3		
K14	〃 〃 〃	1/25	115	1	—	〃 〃	〃	LNE	3		OFF DELAY TIMER C/W LIGHT SWITCH BY MECH.
K15	〃 〃 〃	1/25	115	1	—	〃 〃	〃	LEA	1		
K16	ELECTRICAL RM. EXHAUST	⅛	115	1	—	ELECT. RM.	〃	LNA	16		SPEED CONTROL SWITCH BY MECH
K17	DARK RM. SUPPLY	⅓	115	1	—	LEV. 1 - DARK ROOM	〃	LNB	21		TWO SPEED SWITCH BY MECH.
N1	COMBUSTION A.H.U.	5	600	3	A	PENT. MECH. RM - MCC#2	ELECTRICAL	MCC#2	—	3-#12 R90-¾"C.	
O1	CONTROLS COMPRESSOR	2	600	3	A	〃 〃	〃	MCC#2	—	〃	PROVIDE DISCONNECT AT UNIT
P1	WINTER HTG. PRIMARY	3	600	3	A	〃 〃	〃	MCC#2	—	〃	
P2	STANDBY WINT. HTG. PRIM'Y.	3	600	3	A	〃 〃	〃	MCC#2	—	〃	
P3	SUMMER HTG. PRIMARY	⅛	115	1	F	PENT. MECH. RM - UNIT MTD.	〃	LNK	29	2-#12 R90-½"C.	WIRED THROUGH SELECTOR SWITCH, SEE 34/E24
P4	MAIN BLK. HTG. SEC'Y STDBY.	1	600	3	A	PENT. MECH. RM - MCC#2	〃	MCC#2	—	3-#12 R90-¾"C.	
P5	HOT LINE SECONDARY	1½	600	3	A	〃 〃	〃	MCC#2	—	〃	PROVIDE DISCONNECT AT UNIT
P6	MAIN BLK. LEV 2/3 HTG. SEC'Y	1	600	3	A	〃 〃	〃	MCC#2	—	〃	
P7	MAIN BLK. LEV 1 HTG. SEC'Y	⅓	115	1	F	PENT. MECH. RM - UNIT MTD.	〃	LEC	18	2-#12 R90-½"C.	WIRED THROUGH SELECTOR SWITCH. SEE 34/E24
P8	COUNCIL BLK. LEV 1 HTG. SEC'Y	¼	115	1	F	C.B. MECH. RM - UNIT MTD.	〃	LEA	30		WIRED THROUGH PUMP CONTROL PANEL SEE 36/E24
P9	COUNCIL BLK. LEV 2 HTG. SEC'Y	¼	115	1	F	〃 〃	〃	LEA	32		
P10	COUNCIL BLK. SEC'Y STDBY	¼	115	1	F	〃 〃	〃	LEA	34	〃	
P11	PENTHOUSE GLYCOL PUMP	3	600	3	A	PENT. MECH. RM - MCC#2	〃	MCC#2	—	3-#12 R90-¾"C.	PROVIDE DISCONNECT AT UNIT
O2	CONTROLS COMPRESSOR	2	600	3	A	〃 〃	〃	MCC#2	—	〃	
O3	COMPRESSOR AFTERCOOLER	⅓	115	1	F	PENT. MECH. RM - UNIT MTD.	〃	LEC	16	2-#12 R90-½"C.	
P14	CONDENSER WATER	15	600	3	A	PENT. MECH. RM - MCC#1	〃	MCC#1	—	3-#10 R90-¾"C.	
P15	CHILLED WATER PRIMARY	15	600	3	C	〃 〃	〃	MCC#1	—	〃	
P16	NORTH ZONE COOL. COIL	5	600	3	C	〃 〃	〃	MCC#1	—	3-#12 R90-¾"C.	PROVIDE DISCONNECT AT UNIT.
P17	SOUTH ZONE COOL. COIL	5	600	3	C	〃 〃	〃	MCC#1	—	〃	
P18	COUNCIL BLK. COOL. COIL	1	600	3	C	C.B. MECH. RM - MCC#3	〃	MCC#3	—	〃	
P19	COUNCIL BLK. HTG. COIL	½	115	1	F	C.B. MECH. RM - UNIT MTD	〃	LEA	31	2-#12 R90-½"C.	WIRED THROUGH PUMP CONTROL PANEL. SEE 36/E24

MOTOR SCHEDULE (CONTINUED)

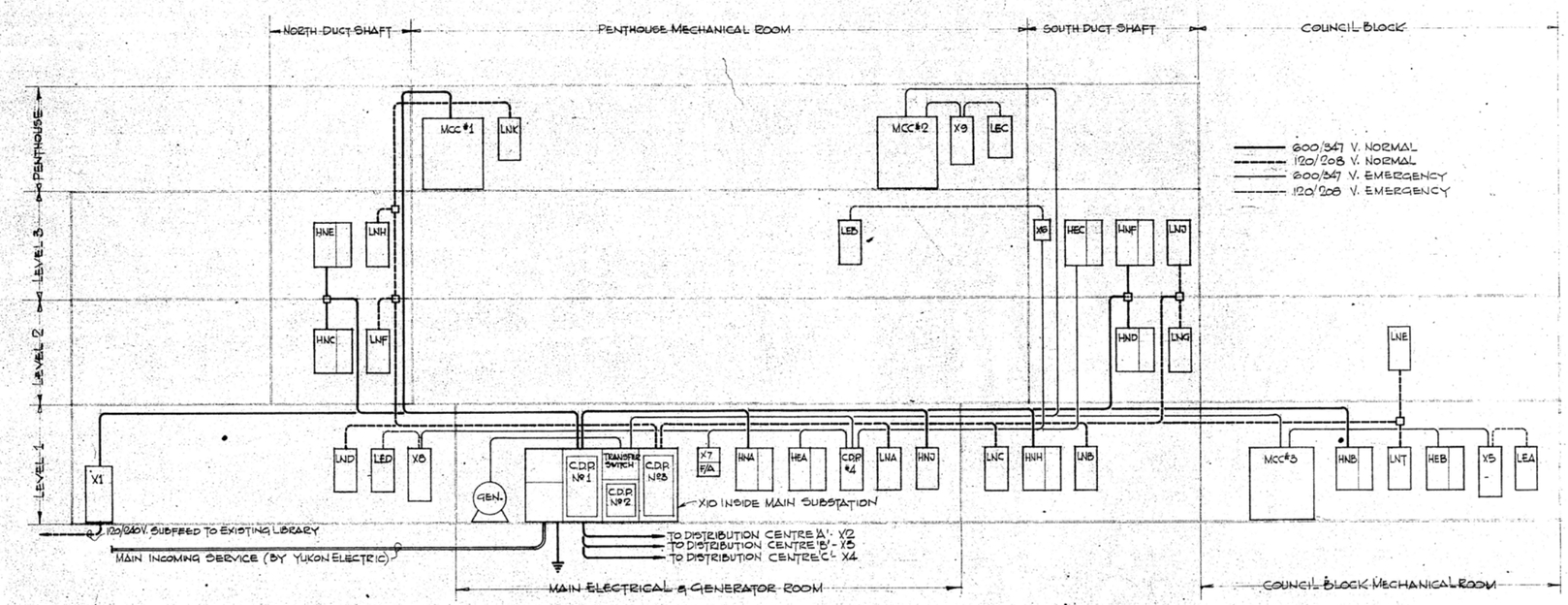
EQUIP'MT Nº	DESCRIPTION	MOTOR DATA HP	VOLT.	PHASE	STARTER DATA TYPE	LOCATION	SUPPLIED BY	SERVICE PANEL	CIRCUIT	CONDUCTORS	REMARKS
P20	OIL TRANSFER PUMP 1	¾	600	3	B	SPRINKLER RM.	ELECTRICAL	CDP#1	14/16/18	3-#12 R90-¾"C.	
P21	OIL TRANSFER PUMP 2	¾	600	3	B	〃 〃	〃	CDP#4	20/22/24	〃	
P22	GLYCOL FILL - PENTHOUSE	½	115	1	F	PENT. MECH. RM - UNIT MTD	〃	LNK	30	2-#12 R90-½"C.	
P23	GLYCOL FILL - COUNCIL BLK.	½	115	1	F	C.B. MECH. RM - UNIT MTD.	〃	LEA	33	〃	
Q1	UNIT HEATER - PENTHOUSE	1/25	115	1	—	INTEGRAL	MECHANICAL	LNK	23		SPEED CONTROL SWITCH & LINE VOLTAGE THERMOSTAT BY MECH.
Q2	〃 〃	1/12	115	1	F	PENT. MECH. RM - UNIT MTD	ELECTRICAL	LNK	25		
Q3	〃 〃	1/40	115	1	F	〃 〃	〃	LNK	27		
Q4	〃 〃	1/40	115	1	F	〃 〃	〃	LNK	26		LINE VOLTAGE THERMOSTAT BY MECH.
Q5	〃 〃	1/40	115	1	F	〃 〃	〃	LNK	28		
Q6	UNIT HEATER - C.B. MECH RM	1/40	115	1	F	C.B. MECH RM - UNIT MTD.	〃	LNT	24		
Q7	2 UNIT HEATERS - LOADING BAY	08/25	115	1	F	UNIT MTD.	〃	LNA	12		
Q8	UNIT HTR. - CAFETERIA ENTR.	1/25	115	1	—	INTEGRAL	MECHANICAL	LND	3		
Q9	〃 - COUNCIL BLK ENT.	1/25	115	1	—	INTEGRAL	MECHANICAL	LNT	20		
Q10	〃 - LEVEL 1 ENTRY	1/12	115	1	—	INTEGRAL	MECHANICAL	LNT	22		SPEED CONTROL SWITCH & LINE VOLTAGE THERMOSTAT BY MECH.
Q11	〃 - LEVEL 2 ENTRY	1/12	115	1	—	INTEGRAL	MECHANICAL	LNF	51		
Q12	〃 - LEVEL 2 ENTRY	1/6	115	1	—	INTEGRAL	MECHANICAL	LNE	29		
Q13	〃 - GENERATOR RM.	1/40	115	1	E	GEN. RM. - WALL MTD	ELECTRICAL	LNA	14		LINE VOLTAGE THERMOSTAT BY MECH.
B2	HEATING BOILER	3	208	3	I	PENT. MECH. RM - UNIT MTD	〃	LEC	20/22/24	3-#12 R90-¾"C	
F5	DHW TANK	¼	115	1	G	〃 〃	〃	LNK	18	2-#12 R90-½"C	
Y1	ELEVATOR Nº1	15	600	3	—	TOP OF ELEV. SHAFT #1	BY OTHERS	MCC#2	—	3-#10 R90-¾"C	CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE DISCONNECT & FEEDER AS SHOWN ON E12
Y2	ELEVATOR Nº2	15	600	3	—	TOP OF ELEV. SHAFT #2	BY OTHERS	MCC#2	—	3-#10 R90-¾"C	
Y3	SHREDDER	5	208	3	—	LOADING BAY	BY OTHERS	LNA	11/13/15	3-#8 R90-¾"C	CONNECTION TO EQUIPMENT BY OTHERS. PROVIDE OUTLET BOX & FEEDER AS SHOWN ON E5
Y4	GARBAGE COMPACTOR	5	600	3	—	LOADING BAY	BY OTHERS	HNA	123/125/127	3-#12 R90-¾"C	
Y5	OIL HEATER	6KW	208	3	NONE	PENTHOUSE	—	LEC	13/15/17		PROVIDE 30A-3P CONTACTOR. SEE 38/E24
Y6	POOL PUMP	1.	600	3	D	C.B. MECH. RM.	ELECTRICAL	MCC#3	—	〃	
Y7	—DELETED—	—	—	—	—	—	—	—	—	—	
Y8	WATER RECIRC. PUMP	¾	600	3	H	WATER METER RM.	ELECTRICAL	CDP#1	17/19/21	3-#12 R90-¾"C	
Y9	HEATER	2KW	208	1	—	N. ELEV. MACH. RM.	〃	LNK	19/21	2-#12 R90-½"C	INTEGRAL THERMOSTAT
Y10	HEATER	2KW	208	1	—	S. ELEV. MACH. RM.	〃	LNK	20/22	〃	
Y11	SOLUTROL - PENTHOUSE	¼	115	1	—	INTEGRAL	MECHANICAL	LNK	24		PACKAGE UNIT BY MECHANICAL.
Y12	DOOR OPERATOR - WELFARE	½	115	1	—	WALL MTD.	DIV. 11	LNF	53		
Y13	〃 - STAIR #5	½	115	1	—			LNF	54		
Y14	〃 - EDUCATION	½	115	1	—			LNG	24	〃	CONNECT UP KEY OPERATED "OPEN - LOCK - CLOSE"
Y15	〃 - AT STAIR #5	½	115	1	—			LNG	26	2-#10 R90-½"C	SWITCH PROVIDED BY DIV. 11.
Y16	〃 - LEVEL 5.	½	115	1	—	〃	〃	LNJ	22	2-#12 R90-½"C	

STARTER TYPE LEGEND

A	COMBINATION CIRCUIT BREAKER/MAGNETIC MOTOR STARTER, RACK MOUNTED, WITH TERMINAL STRIP AS SHOWN ON DETAIL 37/E24	E	115V-1φ MANUAL MOTOR STARTER C/W OVERLOAD HEATERS & NEON PILOT LIGHT. WALL MTD.
		F	AS TYPE 'E', BUT UNIT MOUNTED.
B	AS TYPE 'A', BUT FOR SURFACE WALL MOUNTING	G	AS TYPE 'E' FOR 208V-1φ, UNIT MOUNTED.
C	AS TYPE 'A' C/W ADJUSTABLE TIME DELAY RELAY SET AT 5 SECONDS.	H	AS TYPE 'B' FOR 600V-3φ WALL MOUNTED.
D	AS TYPE 'A' WITH TERMINALS 2,3 & 4 INTERCONNECTED.	I	AS TYPE 'E' FOR 208V-3φ UNIT MOUNTED.

TRANSFORMER SCHEDULE

Nº	DUTY	KVA	PRIMARY	SECONDARY	LOCATION
X1	SUBFEED TO EX. LIBRARY	75	600-1 PH	120/240	FLOOR MTD - TOURIST STORAGE & MAIL
X2	PARK. LOT LTG. & CAPLUGS	112.5	600-Δ	208-Y	PAD MTD. - DISTRIBUTION CENTRE 'A'
X3	〃 〃	112.5	600-Δ	208-Y	〃 〃 〃 'B'
X4	〃 〃	112.5	600-Δ	208-Y	〃 〃 〃 'C'
X5	PANEL LEA - COUNCIL BLK.	30	600-Δ	208-Y	WALL MTD. - COUNCIL BLOCK LEVEL 1 MECHANICAL ROOM
X6	PANEL LEB - COMPUTER	10	600-Δ	208-Y	WALL MTD. - LEVEL 3 SOUTH DUCT SHAFT
X7	FIRE ALARM PANEL	3	600-1PH	120/240	WALL MTD - MAIN ELECTRICAL ROOM
X8	PANEL LED - KITCHEN	30	600-Δ	208-Y	WALL MTD - LEVEL 1 TOURISM STORAGE
X9	PANEL LEC - PENTHOUSE	30	600-Δ	208-Y	WALL MTD - PENTHOUSE MECHANICAL ROOM.
X10	C.D.P. Nº3	225	600-Δ	208-Y	UNIT MTD - INSIDE MAIN SUBSTATION.



DISTRIBUTION RISER DIAGRAM - 600/347 & 120/208 VOLT 3 PHASE, 4 WIRE.

R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

NO.	DATE	REVISIONS DESCRIPTION
A	24/5/74	STARTER TYPES & REMARKS ADDED, TRANSFORMER SCHEDULE & RISER DIAGRAM ADDED.

PROJECT NO. 89857
DATE 1 APR 74
SCALE —
DRAWN L.CUMMER
CHECK R.H.
APPROVED R.H.

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - MOTOR SCHEDULE & DISTRIBUTION RISER DIAGRAM

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO. E20 A

DRAWING NORTH
TRUE NORTH

LNO 1-3 | LNO 5-7 | LNO 9-11 | LNO 13-15 | LNO 17-19 | LNO 21-23 | LNO 25-27 | LNO 29-31
3#10 TECK 90
3#12 TECK 90

LNO 33-35-37-39 | LNO 41-43-45-47 | LNO 49-51-53-55 | LNO 57-59-61-63 | LNO 65-67-69-71 | LNO 73-75-77-79 | LNO 2-4-6-8
PHOTO ELECT CELL TO CONTROL PANEL LNP- CONTACTOR
TYPE 'N' (LNP-4,6)
3#12 TECK 90

LNO 10-12 | LNO 14-16 | LNO 18-20 | LNO 22-24 | LNO 26-28 | LNO 30-32 | LNO 34-36
3#10 TECK 90
3#12 TECK 90

LNO 61-63
LNO 66-68
OUTDOOR DISTRIBUTION- 'C'
PANELS "LNO" & "LNP")
3#1 AWG IN 1½" CONDUIT IN OR UNDER FLOOR TO SUB-STATION "CDP"#1 IN ELECTREAL ROOM.

LNO 37-39 | LNO 41-43 | LNO 45-47
3#12 TECK 90

LNO 54-56 | LNO 58-60 | LNO 62-64
3#12 TECK 90
TYPE 'O' (LNP-3)
TYPE 'N2' (LNP-1)

LNP-2
TYPE 'O' (LNP-2)
LNN-5
TYPE 'O' (LNN-5)
FOR EXACT LOCATION OF TRANSFORMER SEE DRAWING A-1. FOR CONSTRUCTION DETAILS SEE DRG. A-24

GENERATOR R.M.
ELECTRICAL R.M.
STUB UP FROM BELOW SWITCHGEAR
CAP
5'-0"
2#12 TECK 90
STUB UP FROM BELOW WALL
GENERATOR R.M.

TYPE 'O' (LNN-3)
LNN-3
2#12 TECK 90
LNM 1-3 | LNM 5-7 | LNM 9-11
3#12 TECK 90
LNL 1-3 | LNL 5-7 | LNL 9-11 | LNL 13-15
3#12 TECK 90
3#1/0 AWG IN 2" CONDUIT FROM J.BOX IN MECH. ROOM THRU CEILING SPACE TO SUB-STATION "CDP"#1 IN ELECT. ROOM.
2" RIGID CONDUIT SLEEVE THROUGH WALL.
3#1/0 A.W.G. CORRUGATED ALUMINUM SHEATHED, P.V.C JACKETTED CABLE TO JUNCTION BOX IN MECHANICAL ROOM.
TYPE 'N' (LNN-15-17)
OUTDOOR DISTRIBUTION- 'A' (PANEL "LNL")

TYPE 'Q' (LNN-9-10-12)
TELEVISION PANEL SEE E4.
STORAGE ROOM UNDER GALLERY
LNN-1
TYPE 'O'
LNM 13-15-17-19 | LNM 21-23-25-29 | LNM 31-33-35-37 | LNM 39-41-43-45 | LNM 47-49-51-53
6#12 TECK 90
3#12 TECK 90
LNL 17-19-21-23 | LNL 25-27-29-31 | LNL 33-35-57-39 | LNL 41-43
PHOTO ELECTRIC CELL TO CONTROL PANEL 'LNN' CONTACTOR
3#6 A.W.G. CORRUGATED ALUMINUM SHEATHED, P.V.C JACKETTED CABLE TO JUNCTION BOX IN MECHANICAL ROOM
TYPE 'N' (LNN-7,9) 3#12 TECK 90
3#12 TECK 90
LNL 81-83
LNL 2-4
LNL 8-8
LNL 10-12
LNL 14-16
TYPE 'N1' (LNN 11-13)

TYPE 'S' (LNN-14-16)
TYPE 'R' (LNN-6)
TYPE 'P' (LNN-4)
TYPE 'P' (LNN-2-4)
3#10 TECK 90
3#8 TECK 90
2#12 TECK 90
TYPE 'O' (LNN-1)
LNM 55-57 | LNM 59-61-63-65 | LNM 67-69-71-73 | LNM 75-77-79-81 | LNM 2-4-6-8 | LNM 10-12-14-16
6#12 TECK 90
LNL 49-51-53-55 | LNL 57-59-61-63 | LNL 65-67-69-71 | LNL 73-75-77-79
OUTDOOR DISTRIBUTION- 'B' (PANELS "LNM" & PANEL "LNN")
3#12 TECK 90
3#10 TECK 90
LNM 18-20 | LNM 22-24 | LNM 26-29 | LNM 30-32 | LNM 34-36 | LNM 38-40 | LNL 18-20 | LNL 22-24 | LNL 26-28 | LNL 30-32 | LNL 34-36 | LNL 38-40 | LNL 42-44 | LNL 46-48 | LNL 50-52

4-4" RIGID P.V.C. DUCTS (FOR TELEPHONE SERVICE) TO EXISTING MANHOLE, RUN UNDERGROUND 36" BELOW FINISHED GRADE.
TO C.N.T. MANHOLE# 105
12" TYPE II P.V.C. CONDUIT.
CABLEVISION POLE ON WEST SIDE OF 12th STREET TERMINATE 2" P.V.C. WITH WEATHERHEAD AT CABLE T.V. LOCATION ON POLE

NOTES

1 - WIRING TO BLOCK HEATER OUTLETS AND TO OUTDOOR LIGHTING GENERALLY SHALL BE DIRECT BURIED, MULTIPLE CONDUCTOR, TECK 90 CABLE. CABLES SHALL BE CONTINUOUS THROUGHOUT THEIR LENGTH AND BE COMPLETE WITH GROUNDING CLAMPS ETC TO PROVIDE GROUNDING OF OUTLETS AND METAL BOXES AND RACEWAYS

2 - WHERE WIRING IS RUN IN CONCRETE OR MASONRY PAVING OR WALLS IT SHALL BE RUN IN RIGID CONDUIT SLEEVES BETWEEN OUTLETS & BETWEEN OUTLETS AND ITS DIRECT BURIAL STATE.

R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

NO.	DATE	REVISIONS DESCRIPTION
D	17/6/74	TYPE 'O' DESIGNATION ADDED TO FIXTURES AT NORTHWEST
		SIDEWALK, CCT. LNP-5. CHANGED CIRCUITS FOR TYPE 'N'
		FIXTURE IN N.E. PARKING LOT.
1	5/10/74	UNDERGROUND CONDUITS FOR POWER, TELEPHONE & T.V. ADDED.
2	7/9/75	TELEPHONE SERVICE CONDUITS INCREASED TO 4-4" RIGID P.V.C.

PROJECT NO. 89857
DATE APRIL-1-74. SCALE 1" = 20'-0"
DRAWN G.E.S. CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - OUTDOOR LIGHTING & POWER
PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E21
LATEST REVISION 2
ADDENDA D

DRAWING NORTH
TRUE NORTH

TYPE 'O' (LNP-2)
TYPE 'O' (LNN-5)
TYPE 'N' (LNP-4,6)
PHOTO ELECT CELL TO CONTROL PANEL LNP- CONTACTOR
FOR EXACT LOCATION OF TRANSFORMER SEE DRAWING A-1. FOR CONSTRUCTION DETAILS SEE DRG. A-24
GENERATOR R.M.
ELECTRICAL R.M.
STUB UP FROM BELOW THROUGH SWITCHGEAR
CAP
STUB UP THROUGH CONCRETE WALL
OUTDOOR DISTRIBUTION- 'C'
PANELS "LNO" & "LNP")
3#1 AWG IN 1½" CONDUIT IN OR UNDER FLOOR TO SUB-STATION "CDP"1" IN ELECTREAL ROOM.
2" RIGID CONDUIT SLEEVE THROUGH WALL.
TYPE 'O' (LNN-3)
TYPE 'N' (LNN-15-17)
3#1/0 AWG IN 2" CONDUIT FROM J.BOX IN MECH. ROOM THRU CEILING SPACE TO SUB-STATION "CDP"1 IN ELECT. ROOM.
3#1/0 AWG. CORRUGATED ALUMINUM SHEATHED, P.V.C JACKETTED CABLE TO JUNCTION BOX IN MECHANICAL ROOM.
OUTDOOR DISTRIBUTION- 'A'
(PANEL "LNL")
TYPE 'Q' (LNN-9-10-12)
TELEVISION PANEL SEE E4.
STORAGE ROOM UNDER GALLERY
TYPE 'S' (LNN-14-16)
TYPE 'R' (LNN-6)
TYPE 'P' (LNN-4)
TYPE 'N2' (LNP-1)
TYPE 'N1' (LNN 8-13)
PHOTO ELECTRIC CELL TO CONTROL PANEL 'LNN' CONTACTOR
OUTDOOR DISTRIBUTION- 'B'
(PANELS "LNM" & PANEL "LNN")
4-4" RIGID P.V.C. DUCTS (FOR TELEPHONE SERVICE) TO EXISTING MANHOLE. RUN UNDERGROUND 36" BELOW FINISHED GRADE.
TO C.N.T MANHOLE# 105
12" TYPE II P.V.C. CONDUIT.
CABLEVISION POLE ON WEST SIDE OF 2ND STREET TEERMINATE 2" P.V.C. WITH WEATHERHEAD AT CABLE T.V. LOCATION ON POLE

NOTES

1 - WIRING TO BLOCK HEATER OUTLETS AND TO OUTDOOR LIGHTING GENERALLY SHALL BE DIRECT BURIED, MULTIPLE CONDUCTOR, TECK 90 CABLE. CABLES SHALL BE CONTINUOUS THROUGH OUT THIER LENGTH AND BE COMPLETE WITH GROUNDING CLAMPS ETC TO PROVIDE GROUNDING OF OUTLETS AND METAL BOXES AND RACEWAYS

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R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada
Pacific Region

NO.	DATE	REVISIONS DESCRIPTION
D	17/6/74	TYPE 'O' DESIGNATION ADDED TO FIXTURES AT NORTHWEST SIDEWALK, CCT. LNP-5. CHANGED CIRCUITS FOR TYPE 'N' FIXTURE IN N.E. PARKING LOT.
1	5/10/74	UNDERGROUND CONDUITS FOR POWER, TELEPHONE & T.V. ADDED.
2	7/5/75	TELEPHONE SERVICE CONDUITS INCREASED TO 4-4" RIGID P.V.C.

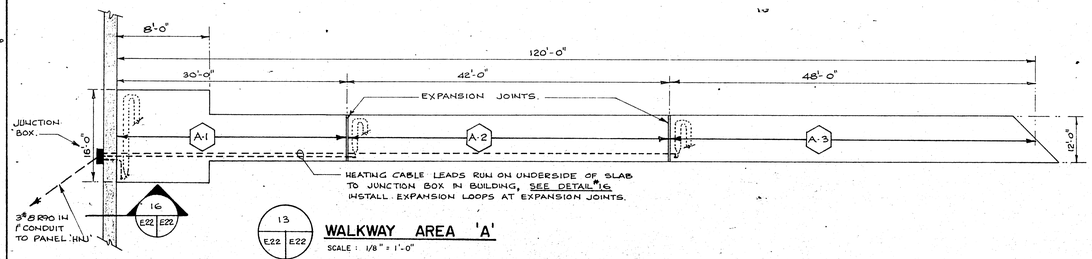
PROJECT NO. 89857
DATE APRIL-1-74.
SCALE 1" = 20'-0"
DRAWN G.E.S.
CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - OUTDOOR LIGHTING & POWER

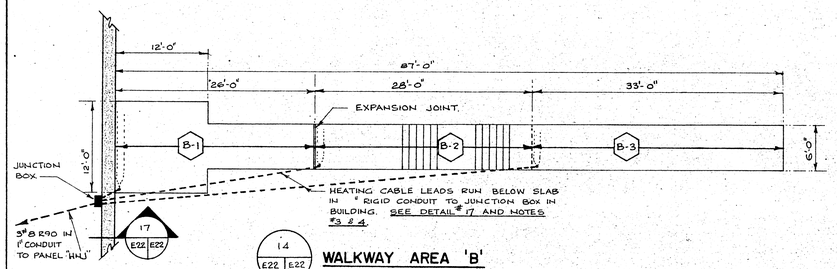
PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E21
LATEST REVISION 2
ADDENDA 1



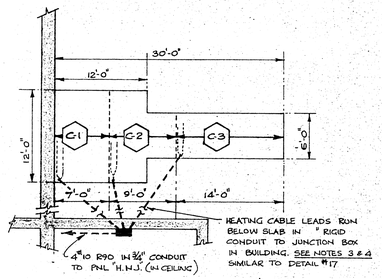
13 E22 E22 **WALKWAY AREA 'A'**

SCALE : 1/8" = 1'-0"

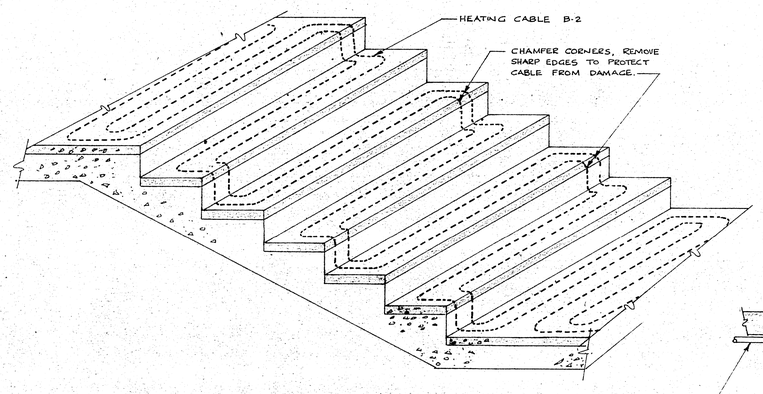


14 E22 E22 **WALKWAY AREA 'B'**

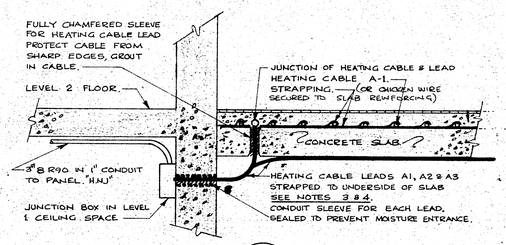
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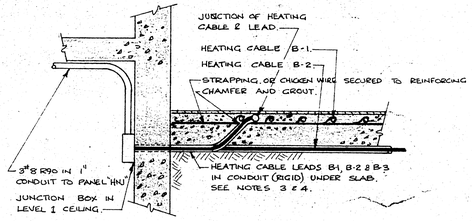
15 E22 E22 **WALKWAY AREA 'C'**



19 E22 E22 **CABLE AT STAIRS**



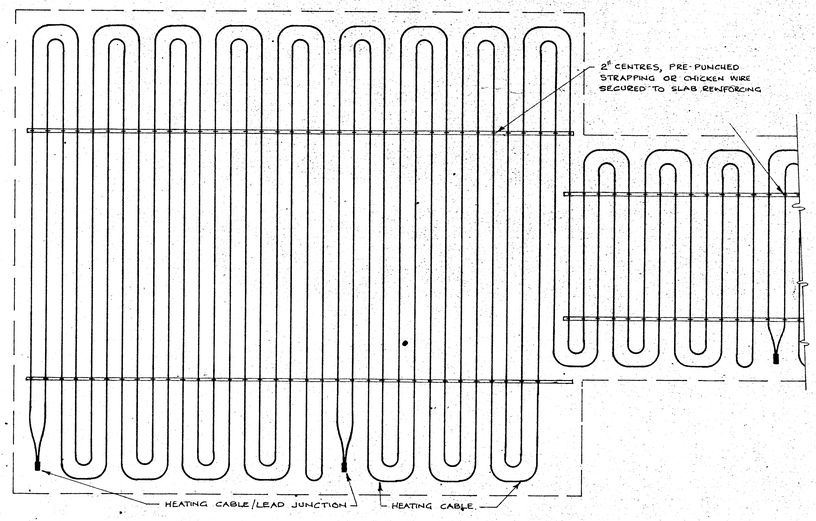
16 E22 E22 **SECTION 'A-A'**



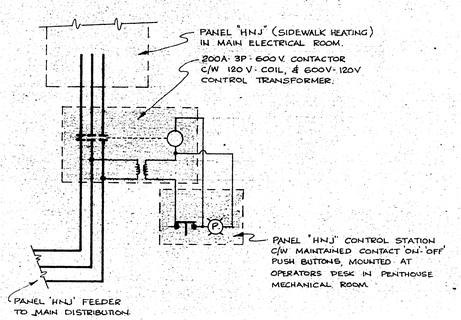
17 E22 E22 **SECTION 'B-B'**

DIMENSIONS & DATA — SIDEWALK SNOW MELTING CABLE SCHEDULE								
SLAB NUMBER	SLAB SIZE	CABLE WATTS	CABLE VOLTS	CABLE LENGTH	REMARKS	BRANCH CIRCUIT WIRE SIZE	BRANCH CIRCUIT BREAKER	CABLE DESIGNATION
A-1	15'x8'+18'x6'	12.000	600	750'		#8 R90		A/R14EP/750/12,000/600/ * /10
A-2	42'x6'	"	600	"		" "	3P-50A	" " " " "
A-3	48'x6'	"	600	"		" "		" " " " "
B-1	12'x12'+14'x6'	10,000	600	600'		#8 R90		A/R16EP/600/10,000/600/ * /10
B-2	28'x6'	"	600	"	+ STAIR RISERS	" "	3P-40A	" " " " "
B-3	33'x6'	"	600	"		" "		" " " " "
C-1	12'x7'	4400	347	252'		#10 R90	1P-20A	A/R18EP/252/4,400/347/ * /12
C-2	12'x5'+4'x6'	"	347	"		" "	1P-20A	" " " " "
C-3	14'x6'	"	347	"		" "	1P-20A	" " " " "

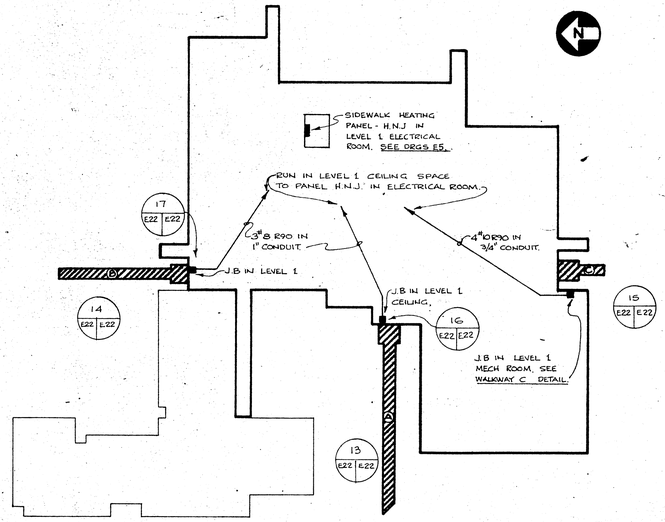
1. ALL CABLE EMBEDDED IN CONCRETE SHALL BE NYLON JACKETTED, MINERAL INSULATED TYPE — NO SUBSTITUTES.
2. JOINTS BETWEEN CABLE LEAD AND CABLE HEATING PORTION TO BE CONCRETE EMBEDDED, CABLE LENGTH IN TABLE REFERS TO HEATING PORTION ONLY.
3. HEATING CABLE AND LEADS TO BE INSTALLED IN CONCRETE SLAB.
4. SUPPLY AND INSTALL ALL SLEEVES, CONDUIT ETC TO ALLOW HEATING CABLE INSTALLATION TO BE CARRIED OUT DURING CONCRETE SLAB CONSTRUCTION — NOTE:- THAT LEADS FOR CABLES B1, B2, B3, C1, C2 & C3 ARE RUN IN RIGID CONDUIT TO JUNCTION BOXES, AND SHALL BE SIZED FOR LENGTH DURING CONSTRUCTION
5. SIZE ALL HEATING CABLE LEAD LENGTHS DURING CONSTRUCTION.



18 E22 E22 **TYPICAL CABLE INSTALLATION**



21 E22 E22 **SIDEWALK HEATING CONTROL**



20 E22 E22 **PARTIAL SITE PLAN**

SCALE: 1" = 40'-0"

R. HOSNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada — Pacific Region

REVISIONS NO.	DATE	DESCRIPTION

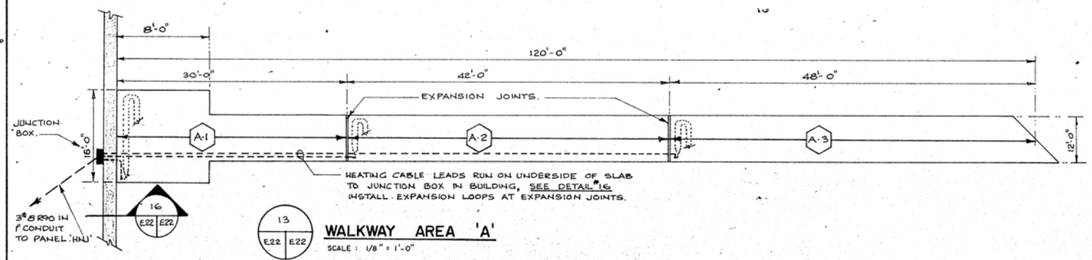
PROJECT NO. 89857.
DATE APRIL-1-74 | SCALE AS NOTED
DRAWN C.E.S | CHECK R.H
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE: **ELECTRICAL-SIDEWALK HEATING**

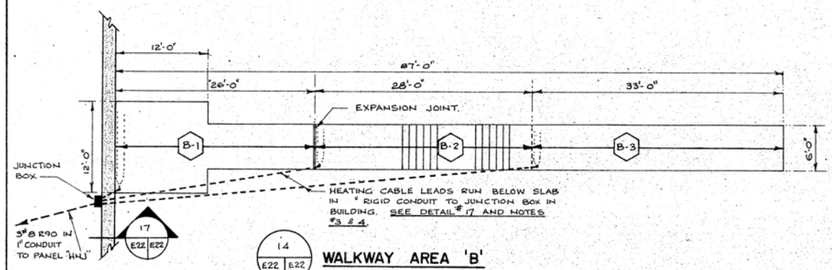
PROJECT TITLE: TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE, Y.T.

DRAWING NO. **E22**



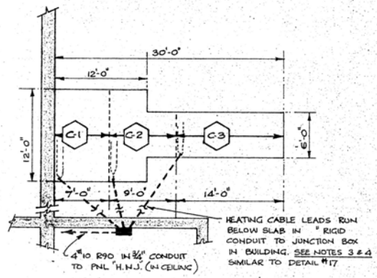
13 E22 E22 **WALKWAY AREA 'A'**

SCALE : 1/8" = 1'-0"

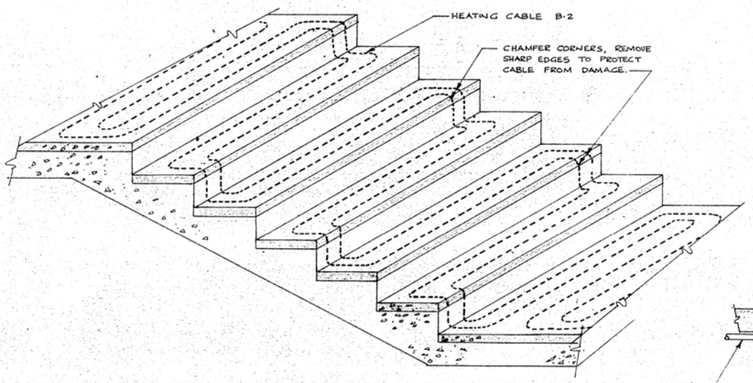


14 E22 E22 **WALKWAY AREA 'B'**

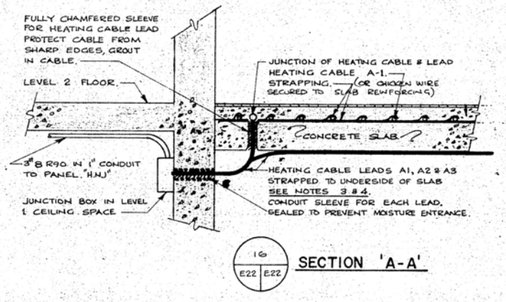
SCALE: 1/8" = 1'-0"



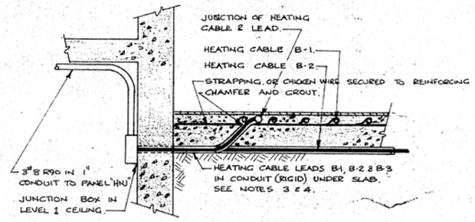
15 E22 E22 **WALKWAY AREA 'C'**



19 E22 E22 **CABLE AT STAIRS**



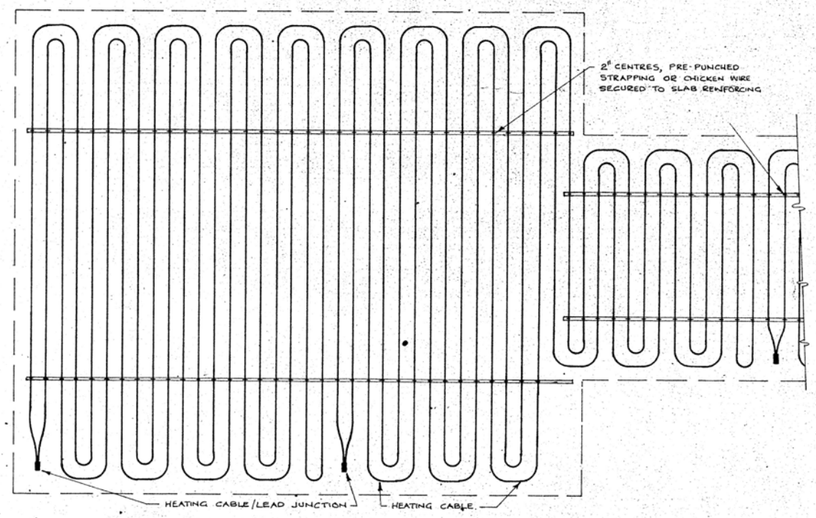
16 E22 E22 **SECTION 'A-A'**



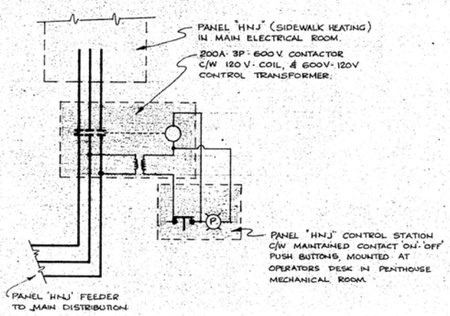
17 E22 E22 **SECTION 'B-B'**

DIMENSIONS & DATA — SIDEWALK SNOW MELTING CABLE SCHEDULE							
SLAB NUMBER	SLAB SIZE	CABLE WATTS	CABLE VOLTS	CABLE LENGTH	REMARKS	BRANCH CIRCUIT WIRE SIZE	BRANCH CIRCUIT BREAKER	CABLE DESIGNATION
A-1	15'×8'+13'×6'	12.000	600	750'		#8 R90	3P-50A	A/R14EP/750/12,000/600/ ✱ /10
A-2	42'×6'	"	600	"		" "		" " " " " "
A-3	48'×6'	"	600	"		" "		" " " " " "
B-1	12'×12'+14'×6'	10,000	600	600'		#8 R90		A/R16EP/600/10,000/600/ ✱ /10
B-2	28'×6'	"	600	"	+ STAIR RISERS	" "	3P-40A	" " " " " "
B-3	33'×6'	"	600	"		" "		" " " " " "
C-1	12'×7'	4400	347	252'		#10 R90	1P-20A	A/R18EP/252/4,400/347/ ✱ /12
C-2	12'×5'+4'×6'	"	347	"		" "	1P-20A	" " " " " "
C-3	14'×6'	"	347	"		" "	1P-20A	" " " " " "

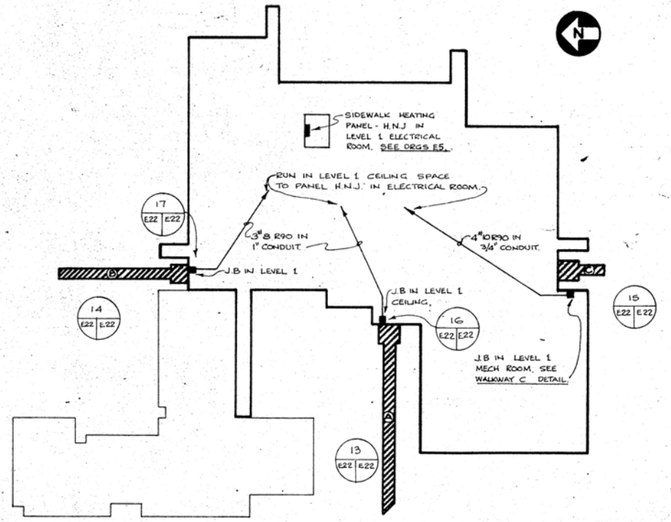
1. ALL CABLE EMBEDDED IN CONCRETE SHALL BE NYLON JACKETTED, MINERAL INSULATED TYPE — NO SUBSTITUTES.
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5. SIZE ALL HEATING CABLE LEAD LENGTHS DURING CONTRUCTION.



19 E22 E22 **TYPICAL CABLE INSTALLATION**



21 E22 E22 **SIDEWALK HEATING CONTROL**



20 E22 E22 **PARTIAL SITE PLAN**

SCALE: 1" = 40'-0"

R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada — Pacific Region

REVISIONS NO.	DATE	DESCRIPTION

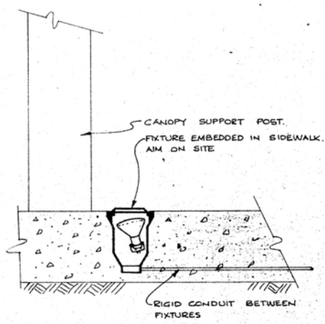
PROJECT NO. 89857.
DATE APRIL 1-74 | SCALE AS NOTED
DRAWN C.E.S | CHECK R.H
APPROVED R.H

GOVERNMENT OF THE YUKON TERRITORY

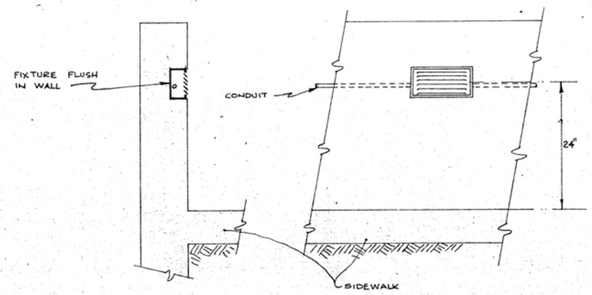
DRAWING TITLE: **ELECTRICAL - SIDEWALK HEATING**

PROJECT TITLE: TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE, Y.T.

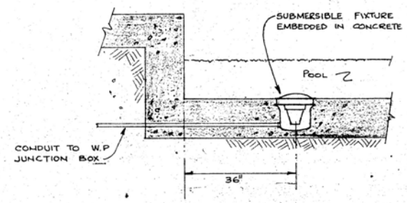
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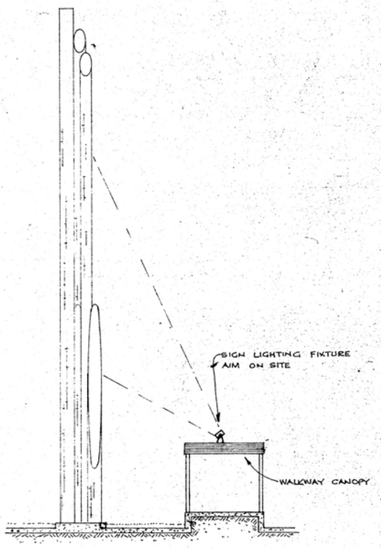
6 E23 E21 TYPE 'Q' FIXTURE INSTALLATION



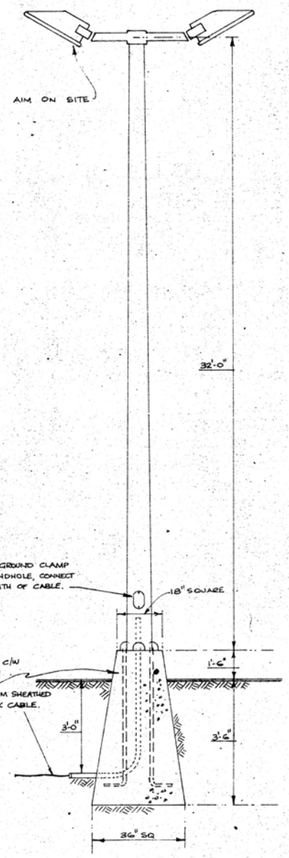
7 E23 E21 TYPE 'P' FIXTURE INSTALLATION



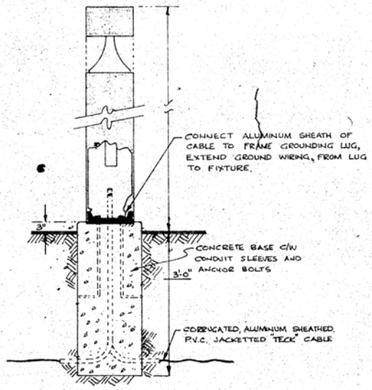
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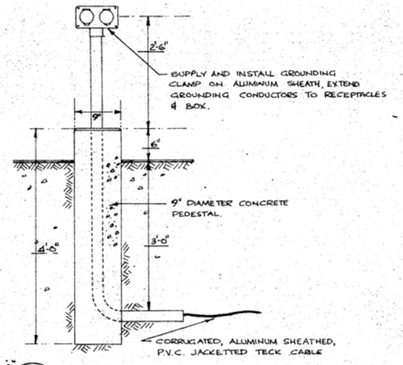
9 E23 E21 TYPE 'R' FIXTURE INSTALLATION.



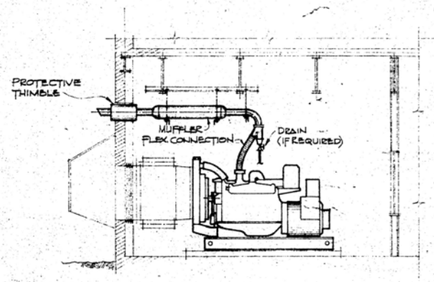
10 E23 E21 TYPE N, N1 & N2 FIXTURE INSTALLATION



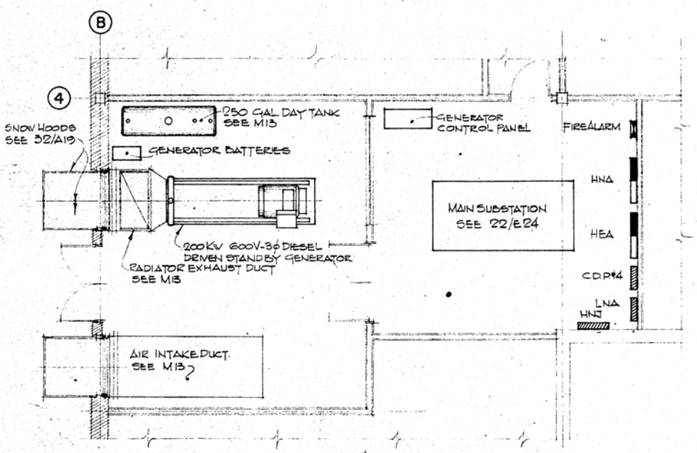
11 E23 E21 TYPE 'O' FIXTURE INSTALLATION



12 E23 E21 BLOCK HEATER OUTLET DETAIL



E GENERATOR ELEVATION



E 41 E5 PART PLAN- GENERATOR & ELECTRICAL ROOM - 1/4"=1'-0"

R. HORNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION
E	28/8/74	GENERATOR & ELECTRICAL RM. DETAILS ADDED

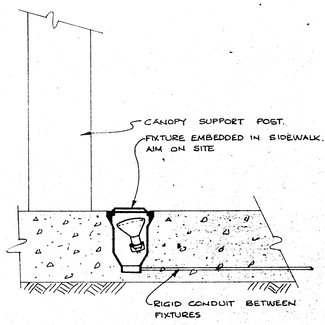
PROJECT NO. 89857
DATE APRIL-1-74 | SCALE N.T.S
DRAWN GES/RA | CHECK RH
APPROVED RH

GOVERNMENT OF THE YUKON TERRITORY

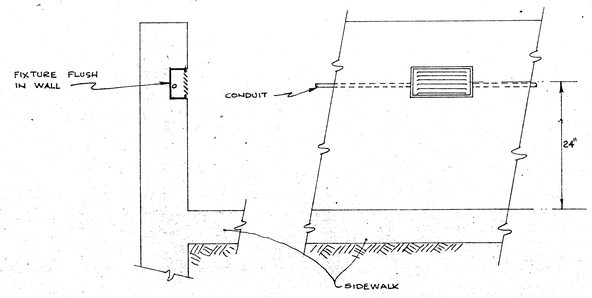
DRAWING TITLE
ELECTRICAL-DETAILS-SHEET 1

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

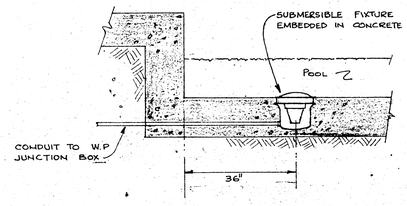
DRAWING NO.
E23
E



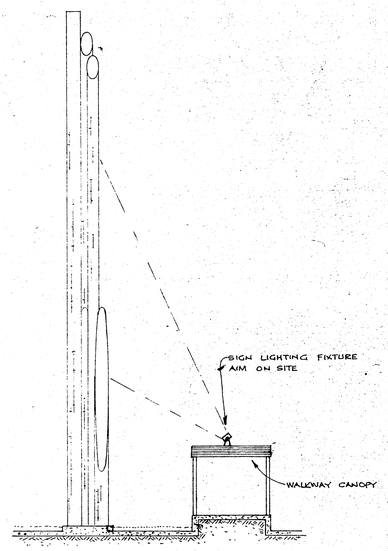
6 / E23 E21 TYPE 'Q' FIXTURE INSTALLATION



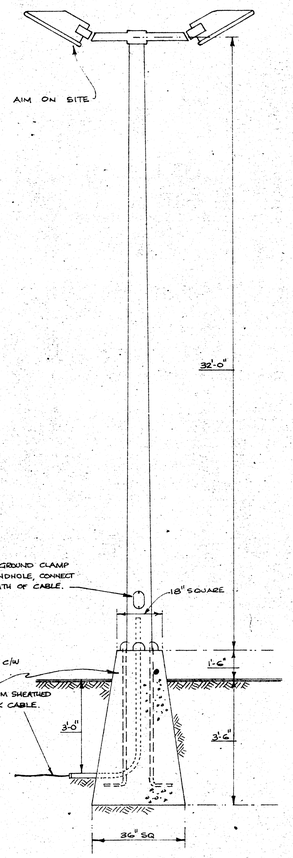
7 / E23 E21 TYPE 'P' FIXTURE INSTALLATION



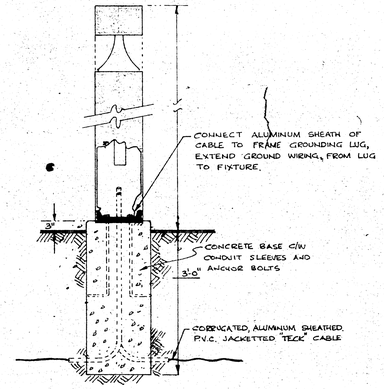
8 / E23 E21 TYPE 'S' FIXTURE INSTALLATION



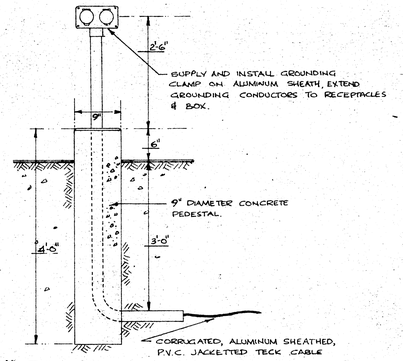
9 / E23 E21 TYPE 'R' FIXTURE INSTALLATION.



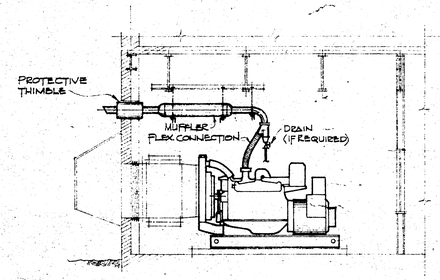
10 / E23 E21 TYPE N, N1 & N2 FIXTURE INSTALLATION



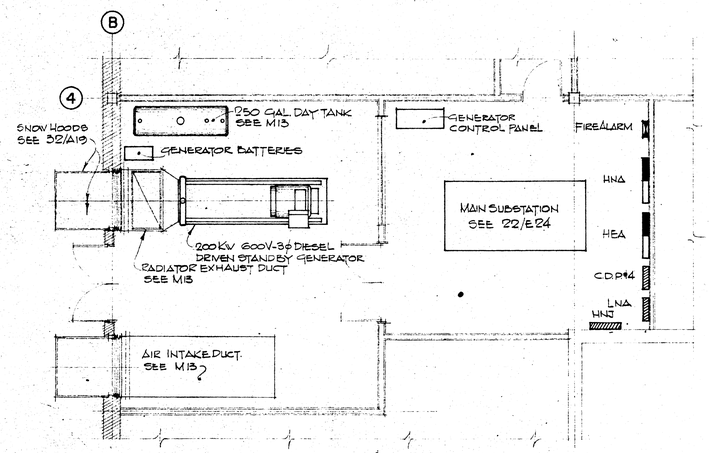
11 / E23 E21 TYPE 'O' FIXTURE INSTALLATION



12 / E23 E21 BLOCK HEATER OUTLET DETAIL



E GENERATOR ELEVATION



E 41 / E5 PART PLAN- GENERATOR & ELECTRICAL ROOM - 1/4"=1'-0"

R. HORNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

Public Works Canada / Travaux publics Canada Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION
E	28/8/74	GENERATOR & ELECTRICAL RM. DETAILS ADDED

PROJECT NO. 89857

DATE APRIL-1-74 | SCALE N.T.S

DRAWN GES/KA | CHECK RH

APPROVED RH

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
ELECTRICAL - DETAILS - SHEET 1

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
E23
E

(22/E24) MAIN SUBSTATION - LOCATED IN MAIN ELECTRICAL ROOM

ITEM	SIZE	DESCRIPTION
1	2000A	SERVICE ENTRY, 2000A MAIN BREAKER, SYSTEM METERING & GROUNDFAULT PROTECTION (SHUNT TRIP)
2		UTILITY COMPANY METERING SPACE
3	2,000A	C.D.P. Nº 1 - 600V NORMAL
4	225A	600V, 3Φ AUTOMATIC NORMAL/EMERGENCY TRANSFER SWITCH.
5	225A	C.D.P. Nº 2 - 600V EMERGENCY
6	225A	C.D.P. Nº 3 - 208V NORMAL
7	225KVA	TRANSFORMER 'X1D' 600Δ/208Y

(23/E24) CENTRAL DISTRIBUTION PANEL (C.D.P.) Nº1 - 600V. NORMAL MAIN ELEC. RM.

ITEM	DESCRIPTION	BREAKER
1	MAIN LUGS - 2,000A.	
2	SUBFEED TO OUTDOOR DIST. CENTERS A, B & C	3@225A-3P
3	SUBFEED TO EXISTING LIBRARY	225A 2 POLE
4	PANELS HNE & HNC	225A-3P
5	PANELS HND & HNF	225A-3P
6	PANEL HNH	225A-3P
7	PANEL HNB	225A-3P
8	MCC Nº 1	600A-3P
9	CDP Nº 3	225A-3P
10	BREAKER SPACE 225A (3)	
11	BREAKER SPACE 600A (1)	

(24/E24) C.D.P. Nº2 - 600 V. EMERGENCY MAIN ELECTRICAL ROOM

ITEM	DESCRIPTION	BREAKER
1	MAIN LUGS - 225A	
2	MCC Nº 2	225A-3P
3	MCC Nº3	225A-3P
4	CDP Nº4	225A-3P
5	BREAKER SPACE - 225A (1)	

(25/E24) C.D.P. Nº3 - 208 V. NORMAL MAIN ELECTRICAL ROOM

ITEM	DESCRIPTION	BREAKER
1	MAIN LUGS - 225A	
2	PANEL LNB	100A-3P
3	PANEL LNA	100A-3P
4	PANEL LNC	100A-3P
5	PANELS LNG & LNJ	100A-3P
6	PANELS LNE & LNT	225A-3P
7	PANEL LND	225A-3P
8	PANELS LNF, LNH & LNK	225A-3P
9	BREAKER SPACE - 100A (2)	
10	BREAKER SPACE - 225A (1)	

C.D.P. Nº4 - 600V. EMERGENCY SEE DWG. E14

(26/E24) MOTOR CONTROL CENTER (M.C.C.) Nº 1 - 600V. NORMAL PENTHOUSE

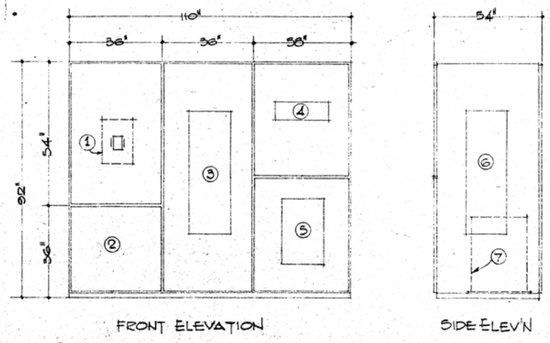
ITEM	DESCRIPTION		BREAKER	STARTER SIZE
1	MAIN BREAKER - NON-AUTO		600A-3P	
2	PUMP. P14	15HP	40A-3P	2
3	PUMP P15	15HP	40A-3P	2
4	PUMP P16	5HP	15A-3P	1
5	PUMP P17	5HP	15A-3P	1
6	BLOWER K1	50HP	125A-3P	3
7	BLOWER K2	7½HP	20A-3P	2
8	BLOWER K3	50HP	125A-3P	3
9	BLOWER K4	7½HP	20-3P	2
10	CHILLER C1	185KW	400A3P	N.I.C.
11	COOLING TOWER D1	20HP	50A-3P	2
12	STARTER SPACE - SIZE 1	(1)		
13	STARTER SPACE - SIZE 2	(1)		
14	STARTER SPACE - SIZE 3	(1)		

(27/E24) M.C.C. Nº 2 - 600V. EMERGENCY

ITEM	DESCRIPTION		BREAKER	STARTER SIZE
1	MAIN BREAKER - NON-AUTO		225A-3P	
2	PUMP P1	5HP	15A-3P	1
3	PUMP P2	5HP	15A-3P	1
4	PUMP P4	1HP	15A-3P	1
5	PUMP P5	1½HP	15A-3P	1
6	PUMP P8	1HP	15A-3P	1
7	PUMP P11	5HP	15A-3P	1
8	COMPRESSOR 01	2HP	15A-3P	1
9	COMPRESSOR 02	2HP	15A-3P	1
10	A.H.U. 'N1'	5HP	15A-3P	1
11	ELEVATOR Nº1 - Y1	15HP	40A-3P	N.I.C.
12	ELEVATOR Nº2 - Y2	15HP	40A-3P	N.I.C.
13	PANEL LEC TRANSFORMER 'X8'		30A-3P	
14	BREAKER SPACE - 100A	(1)		
15	STARTER SPACE - SIZE 1	(1)		

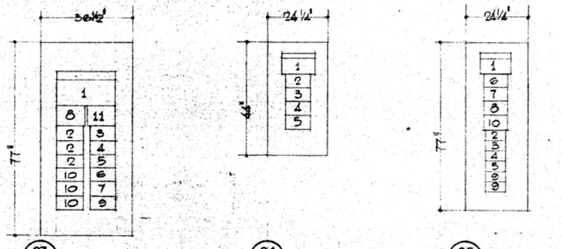
(28/E24) M.C.C. Nº 3 - 600V. EMERGENCY

ITEM	DESCRIPTION		BREAKER	STARTER SIZE
1	MAIN BREAKER - NON-AUTO		100A-3P	
2	PANEL HEB		50A-3P	
3	PANEL LEA TRANSFORMER 'X5'		30A-3P	
4	PUMP Y6	1HP	15A-3P	1
5	PUMP P18	1HP	15A-3P	1
6	BLOWER K5	25HP	50A-3P	3
7	BLOWER K6	5HP	15A-3P	1
8	BREAKER SPACE - 100A	(1)		
9	STARTER SPACE - SIZE 1	(1)		
10	STARTER SPACE - SIZE 2	(1)		

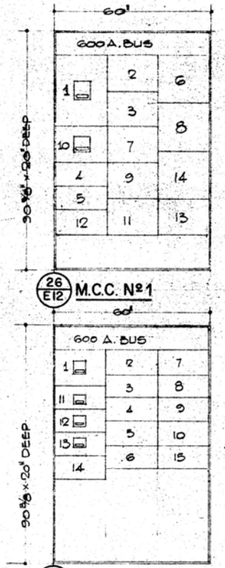


FRONT ELEVATION — SIDE ELEV'N

(22/E5) MAIN SUBSTATION

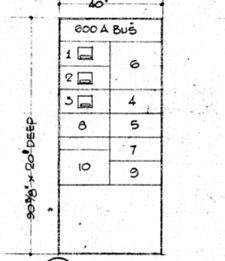


(23/E24) C.D.P. Nº 1 — (24/E24) C.D.P. Nº 2 — (25/E24) C.D.P. Nº 3

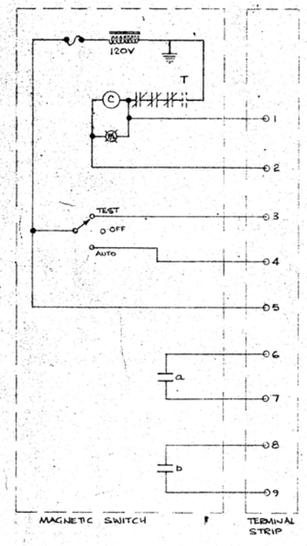


(26/E12) M.C.C. Nº1

(27/E12) M.C.C. Nº 2



(28/E4) M.C.C. Nº 3



TYPICAL CONTROL DIAGRAM FOR COMBINATION CIRCUIT BREAKER TYPE MAGNETIC MOTOR STARTERS IN —

MCC# 1 - FOR EQUIPMENT: K1, K2, K3, K4, P14, P15, D1, P16, P17.

MCC# 2 - FOR EQUIPMENT: N1, P1, P2, P4, P5, P6, P11, O1, O2

MCC# 3 - FOR EQUIPMENT: K5, K6, P18, Y6.

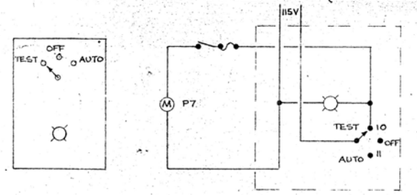
C.D.P# 4 FOR EQUIPMENT P20, P21 - THESE SHALL BE SEPARATE WALL MOUNTED STARTERS WITH SAME TERMINAL ARRANGEMENT

IN ADDITION, STARTERS FOR EQUIPMENT - K2, K4, P15 D1, P16, P17, P18, K6 SHALL BE EQUIPPED WITH ADJUSTABLE TIME DELAY RELAYS SET AT 5 SECONDS

NOTE: - ALL EXTERNAL CONTROL WIRING BY OTHERS, SEE SPEC. SECTION 15, EXCEPT FOR ITEM Y6 WHICH SHALL HAVE TERMINALS 2, 3 & 4 INTERCONNECTED

(37/E24) TYPICAL COMBINATION STARTER.

PANEL 'LEC' CIRC. 18 (ALSO PANEL 'LNK' CIRC. 29)

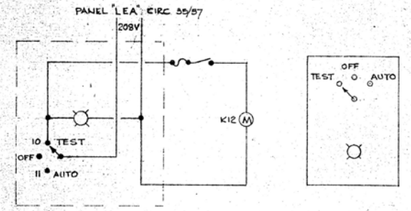


SELECTOR SWITCH FOR ITEM P7 WITH RED PILOT LIGHT, SURFACE MOUNTED (ALSO FOR P3)

WIRING DIAGRAM SHOWING TERMINAL IDENTIFICATION NUMBERS 10 & 11.

(34/E12) SELECTOR SWITCH WIRING DIAGRAMS - P3 & P7

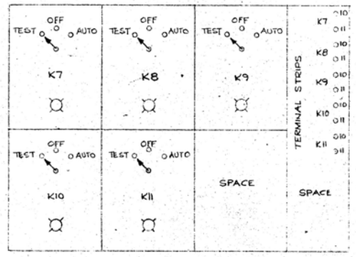
PANEL 'LEA' CIRC. 35/37



WIRING DIAGRAM SHOWING TERMINAL IDENTIFICATION NUMBERS 10 & 11.

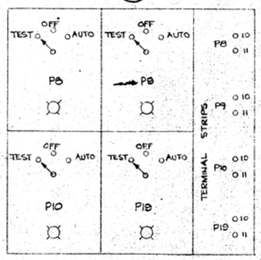
SELECTOR SWITCH FOR ITEM K12 WITH RED PILOT LIGHT, SURFACE MOUNTED.

(40/E4) SELECTOR SWITCH WIRING DIAGRAM - K 12



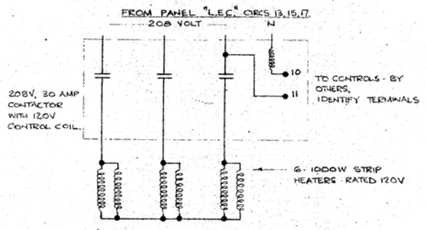
SPECIAL EXHAUST FAN CONTROL PANEL FOR ITEMS SHOWN, CONTAINING SELECTOR SWITCHES AS MARKED AND RED PILOT LIGHTS, PROVIDE K.O's 4 SIDES, TERMINAL SECTION AT SIDE HAS SEPARATE COVER AND HAS ELECTRICAL BARRIER SEPARATING IT FROM CONTROL SECTION OF PANEL. TERMINALS TO BE NUMBERED AND LABELLED AS SHOWN.

(35/E12) SPECIAL EXHAUST FAN CONTROL PANEL.

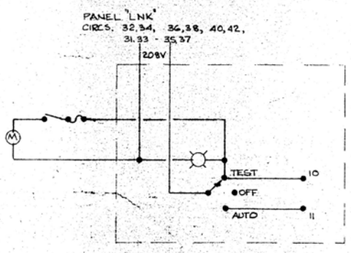


SPECIAL PUMP CONTROL PANEL FOR ITEMS SHOWN. SELECTOR SWITCHES AS MARKED, RED PILOT LIGHTS AND K.O's 4 SIDES. TERMINAL SECTION HAS SEPARATE COVER AND HAS ELECTRICAL BARRIER BETWEEN CONTROL SECTION. TERMINALS TO BE NUMBERED AND LABELLED AS SHOWN

(36/E4) SPECIAL PUMP CONTROL PANEL.

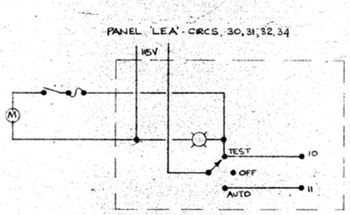


PANEL 'LNK' CIRCS. 32,34, 36,38, 40,42, 31,33 - 35,37

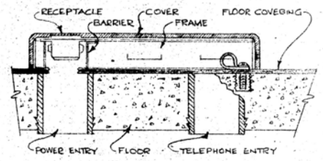


TYPICAL WIRING DIAGRAM FOR EACH ITEM OF PANEL

PANEL 'LEA' - CIRCS. 30, 31, 32, 34



TYPICAL WIRING DIAGRAM FOR EACH ITEM OF PANEL



(38/E12) CONNECTION DIAGRAM FOR OIL HEAD TANK HEATER Y5

(39) TYPICAL POKE THROUGH MOUNTING FOR LOW PROFILE COMBINATION SERVICE FITTING.

R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

[redacted]

REVISIONS		
NO	DATE	DESCRIPTION
A	12/9/74	ITEM NOS. ADDED TO PUMP CONTROL PANEL, DETAIL CROSS REFERENCES ADDED, MCC# 2 & 3 INTERCONNECTED BY BUS.

PROJECT NO. 73857
DATE: APR '74
SCALE: —
DRAWN: [redacted]
APPROVED: [signature]

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE: ELECTRICAL-DETAILS-SHEET 2

PROJECT TITLE: TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE, Y.T.

DRAWING NO. E24 A

(22/E24) MAIN SUBSTATION - LOCATED IN MAIN ELECTRICAL ROOM

ITEM	SIZE	DESCRIPTION
1	2,000A	SERVICE ENTRY, 2,000A MAIN BREAKER, SYSTEM METERING & GROUNDFAULT PROTECTION (SHUNT TRIP)
2		UTILITY COMPANY METERING SPACE
3	2,000A	C.D.P. Nº 1 - 600V NORMAL
4	225A	600V, 3Φ AUTOMATIC NORMAL/EMERGENCY TRANSFER SWITCH.
5	225A	C.D.P. Nº 2 - 600V EMERGENCY
6	225A	C.D.P. Nº 3 - 208V NORMAL
7	225KVA	TRANSFORMER 'X1D' 600Δ/208Y

(23/E24) CENTRAL DISTRIBUTION PANEL (C.D.P) Nº1 - 600V. NORMAL MAIN ELEC. RM.

ITEM	DESCRIPTION	BREAKER
1	MAIN LUGS - 2,000A.	
2	SUBFEED TO OUTDOOR DIST. CENTERES A, B & C	3@225A-3P
3	SUBFEED TO EXISTING LIBRARY	225A 2 POLE
4	PANELS HNE & HNC	225A-3P
5	PANELS HND & HNF	225A-3P
6	PANEL HNH	225A-3P
7	PANEL HNB	225A-3P
8	MCC Nº1	600A-3P
9	CDP Nº3	225A-3P
10	BREAKER SPACE 225A (3)	
11	BREAKER SPACE 600A (1)	

(24/E24) C.D.P. Nº2 - 600V. EMERGENCY MAIN ELECTRICAL ROOM

ITEM	DESCRIPTION	BREAKER
1	MAIN LUGS - 225A	
2	MCC Nº2	225A-3P
3	MCC. Nº3	225A-3P
4	CDP. Nº4	225A-3P
5	BREAKER SPACE - 225A (1)	

(25/E24) C.D.P. Nº3 - 208V. NORMAL MAIN ELECTRICAL ROOM

ITEM	DESCRIPTION	BREAKER
1	MAIN LUGS - 225A	
2	PANEL LNB	100A-3P
3	PANEL LNA	100A-3P
4	PANEL LNC	100A-3P
5	PANELS LNG & LNJ	100A-3P
6	PANELS LNE & LNT	225A-3P
7	PANEL LND	225A-3P
8	PANELS LNF, LNH & LNK	225A-3P
9	BREAKER SPACE - 100A (2)	
10	BREAKER SPACE - 225A (1)	

C.D.P. Nº4 - 600V. EMERGENCY SEE DWG. E14

(26/E24) MOTOR CONTROL CENTER (M.C.C.) Nº1 - 600V. NORMAL PENTHOUSE

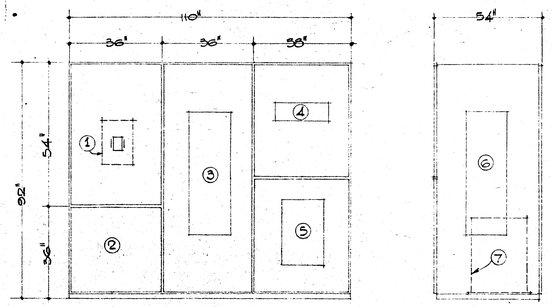
ITEM	DESCRIPTION		BREAKER	STARTER SIZE
1	MAIN BREAKER - NON-AUTO		600A-3P	
2	PUMP P14	15HP	40A-3P	2
3	PUMP P15	15HP	40A-3P	2
4	PUMP P16	3HP	15A-3P	1
5	PUMP P17	3HP	15A-3P	1
6	BLOWER K1	50HP	125A-3P	3
7	BLOWER K2	7½HP	20A-3P	2
8	BLOWER K3	50HP	125A-3P	3
9	BLOWER K4	7½HP	20-3P	2
10	CHILLER C1	185KW	400A3P	N.I.C.
11	COOLING TOWER D1	20HP	50A-3P	2
12	STARTER SPACE - SIZE 1	(1)		
13	STARTER SPACE - SIZE 2	(1)		
14	STARTER SPACE - SIZE 3	(1)		

(27/E24) M.C.C. Nº 2 - 600V. EMERGENCY

ITEM	DESCRIPTION		BREAKER	STARTER SIZE
1	MAIN BREAKER - NON-AUTO		225A-3P	
2	PUMP P1	3HP	15A-3P	1
3	PUMP P2	3HP	15A-3P	1
4	PUMP P4	1HP	15A-3P	1
5	PUMP P5	1½HP	15A-3P	1
6	PUMP P8	1HP	15A-3P	1
7	PUMP P11	3HP	15A-3P	1
8	COMPRESSOR 01	2HP	15A-3P	1
9	COMPRESSOR 02	2HP	15A-3P	1
10	A.H.U. N1	5HP	15A-3P	1
11	ELEVATOR Nº1 - Y1	15HP	40A-3P	N.I.C.
12	ELEVATOR Nº2 - Y2	15HP	40A-3P	N.I.C.
13	PANEL LEC TRANSFORMER 'X8'		30A-3P	
14	BREAKER SPACE - 100A	(1)		
15	STARTER SPACE - SIZE 1	(1)		

(28/E24) M.C.C. Nº 3 - 600V. EMERGENCY

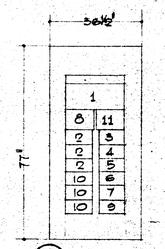
ITEM	DESCRIPTION		BREAKER	STARTER SIZE
1	MAIN BREAKER - NON-AUTO		100A-3P	
2	PANEL HEB		50A-3P	
3	PANEL LEA TRANSFORMER 'X9'		30A-3P	
4	PUMP Y6	1HP	15A-3P	1
5	PUMP P18	1HP	15A-3P	1
6	BLOWER K5	25HP	50A-3P	3
7	BLOWER K6	5HP	15A-3P	1
8	BREAKER SPACE - 100A	(1)		
9	STARTER SPACE - SIZE 1	(1)		
10	STARTER SPACE - SIZE 2	(1)		



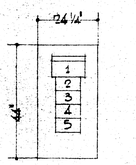
FRONT ELEVATION

SIDE ELEV'N

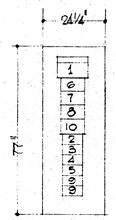
(22/E5) MAIN SUBSTATION



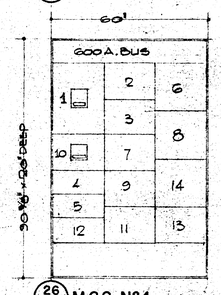
(23/E24) C.D.P. Nº1



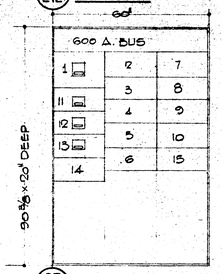
(24/E24) C.D.P. Nº2



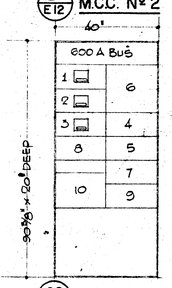
(25/E24) C.D.P. Nº3



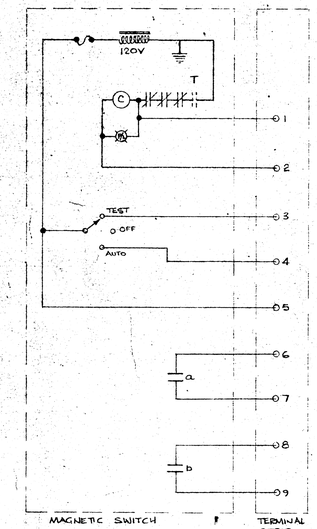
(26/E12) M.C.C. Nº1



(27/E12) M.C.C. Nº2



(28/E4) M.C.C. Nº3



TYPICAL CONTROL DIAGRAM FOR COMBINATION CIRCUIT BREAKER TYPE MAGNETIC MOTOR STARTERS IN -

MCC# 1 - FOR EQUIPMENT: K1, K2, K3, K4, P14, P15, D1, P16, P17.

MCC# 2 - FOR EQUIPMENT: N1, P1, P2, P4, P5, P6, P11, O1, O2

MCC# 3 - FOR EQUIPMENT: K5, K6, P18, Y6.

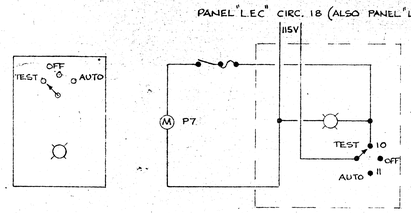
C.D.P# 1 FOR EQUIPMENT P20, P21 - THESE SHALL BE SEPARATE WALL MOUNTED STARTERS WITH SAME TERMINAL ARRANGEMENT

IN ADDITION, STARTERS FOR EQUIPMENT - K2, K4, P15 D1, P16, P17, P18, K6 SHALL BE EQUIPPED WITH ADJUSTABLE TIME DELAY RELAYS SET AT 5 SECONDS

NOTE: - ALL EXTERNAL CONTROL WIRING BY OTHERS, SEE SPEC. SECTION 15, EXCEPT FOR ITEM Y6 WHICH SHALL HAVE TERMINALS 2, 3 & 4 INTERCONNECTED

(37/E24) TYPICAL COMBINATION STARTER.

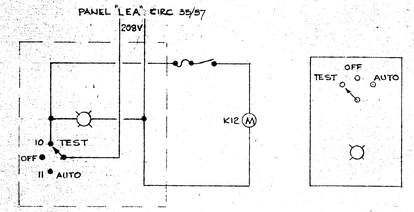
PANEL 'LEC' CIRC. 18 (ALSO PANEL 'LNK' CIRC 29).



SELECTOR SWITCH FOR ITEM P7 WITH RED PILOT LIGHT, SURFACE MOUNTED (ALSO FOR P3)

WIRING DIAGRAM SHOWING TERMINAL IDENTIFICATION NUMBERS 10 & 11.

PANEL 'LEA' CIRC 35/37

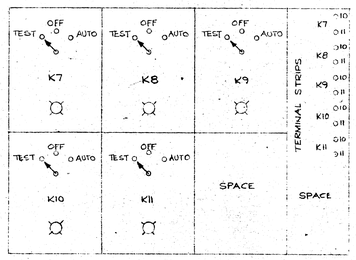


WIRING DIAGRAM SHOWING TERMINAL IDENTIFICATION NUMBERS 10 & 11.

SELECTOR SWITCH FOR ITEM K12 WITH RED PILOT LIGHT, SURFACE MOUNTED.

(34/E12) SELECTOR SWITCH WIRING DIAGRAMS - P3 & P7

(40/E4) SELECTOR SWITCH WIRING DIAGRAM - K 12

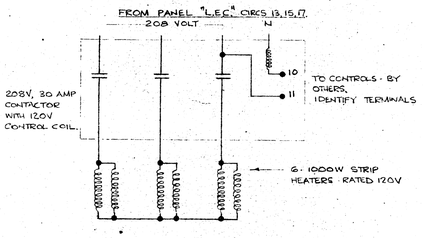


SPECIAL EXHAUST FAN CONTROL PANEL FOR ITEMS SHOWN, CONTAINING SELECTOR SWITCHES AS MARKED AND RED PILOT LIGHTS, PROVIDE K.O.'S 4 SIDES. TERMINAL SECTION AT SIDE HAS SEPARATE COVER AND HAS ELECTRICAL BARRIER SEPARATING IT FROM CONTROL SECTION OF PANEL. TERMINALS TO BE NUMBERED AND LABELLED AS SHOWN.

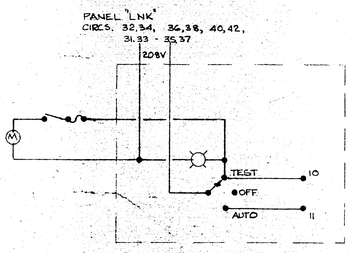
(35/E12) SPECIAL EXHAUST FAN CONTROL PANEL.

SPECIAL PUMP CONTROL PANEL FOR ITEMS SHOWN. SELECTOR SWITCHES AS MARKED, RED PILOT LIGHTS AND K.O.'S 4 SIDES. TERMINAL SECTION HAS SEPARATE COVER AND HAS ELECTRICAL BARRIER BETWEEN CONTROL SECTION. TERMINALS TO BE NUMBERED AND LABELLED AS SHOWN

(36/E4) SPECIAL PUMP CONTROL PANEL.

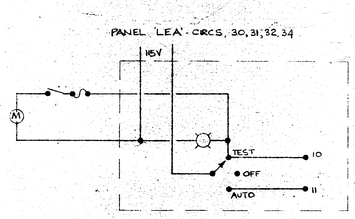


PANEL 'LNK' CIRCS. 32,34, 36,38, 40,42, 31,33 - 35,37

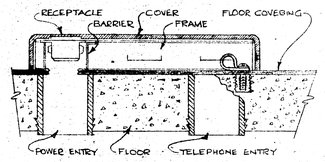


TYPICAL WIRING DIAGRAM FOR EACH ITEM OF PANEL

PANEL 'LEA' - CIRCS. 30, 31, 32, 34



TYPICAL WIRING DIAGRAM FOR EACH ITEM OF PANEL



(38/E12) CONNECTION DIAGRAM FOR OIL HEAD TANK HEATER Y5

(39) TYPICAL POKE THROUGH MOUNTING FOR LOW PROFILE COMBINATION SERVICE FITTING.

R. HOBNER ELECTRICAL ENGINEER

AS BUILT DRAWINGS

[redacted]

REVISIONS		
NO	DATE	DESCRIPTION
A	12/5/74	ITEM NOS. ADDED TO PUMP CONTROL PANEL, DETAIL, CROSS REFERENCES ADDED, MCC# 2 & 3 LINE DIAGRAMS REVISED

PROJECT NO. 73857
DATE APR '74
SCALE —
DRAWN [illegible]
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE: ELECTRICAL-DETAILS-SHEET 2

PROJECT TITLE: TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE, Y.T.

DRAWING NO. E24 A

ROOM NO	ROOM NAME	FLOOR	NORTH WALL MAT.	NORTH WALL FIN.	EAST WALL MAT.	EAST WALL FIN.	SOUTH WALL MAT.	SOUTH WALL FIN.	WEST WALL MAT.	WEST WALL FIN.	CEILING MAT.	CEILING FIN.	HT.	REMARKS
301	LOCAL GOVERNMENT	CPT.	G.B. GLAZING	P. —	OPEN	—	G.B.	P.	G.B.	P.	A.T.	—	9'-6"	PREFAB. HEATING UNIT COVERS - P. CONT. LAMINATED WOOD RAIL - STAINED * CEILING HT. BETWEEN DOR = 8'-9" * DART LOW.
302	VESTIBULE	C.T.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	8'-0"	
303	MEN'S WASHROOM	C.T.	C.T.	—	C.T.	—	C.T.	—	C.T.	—	G.B.	P.	8'-0"	
304	WOMEN'S WASHRM.	C.T.	C.T.	—	C.T.	—	C.T.	—	C.T.	—	G.B.	P.	8'-0"	
305	VESTIBULE	G.B.	G.B.	—	G.B.	—	G.B.	—	G.B.	—	G.B.	P.	8'-0"	
306	DEPT. PUBLIC WORKS	CPT.	G.B. GLAZING	P. —	G.B. GLAZING	P. —	G.B.	P.	G.B.	P.	A.T.	—	9'-6"	PREFAB. HEATING UNIT COVERS - P * DITTO
307	PERSONNEL	CPT.	G.B.	P.	OPEN	—	G.B.	P.	G.B.	P.	A.T.	—	9'-6"	
308	TREASURY	CPT.	G.B.	P.	G.B. GLAZING	P. —	G.B. GLAZING	P. —	G.B.	P.	A.T.	—	9'-6"	PREFAB. HEATING UNIT COVERS - P * DITTO * DART LOW
309	RECORDS	CPT.	G.B.	P.	OPEN	—	G.B.	P.	G.B.	P.	A.T.	—	9'-6"	& DITTO.
310	VAULT	R.F.	CONC. B.	—	CONC. B.	—	CONC. B.	—	CONC. B.	—	CONC.	P.	8'-3"	
311	SUPERVISOR	CPT.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	A.T.	—	8'-6"	
312	KEYPUNCH	CPT.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	A.T.	—	9'-6"	
313	VESTIBULE	C.T.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	8'-0"	
314	MEN'S WASHRM.	C.T.	C.T.	—	C.T.	—	C.T.	—	C.T.	—	C.T.	—	8'-0"	
315	WOMEN'S WASHRM.	C.T.	C.T.	—	C.T.	—	C.T.	—	C.T.	—	C.T.	—	8'-0"	
316	VESTIBULE	C.T.	G.B.	P	G.B.	P.	G.B.	P	G.B.	P.	G.B.	P.	8'-0"	
317	JANITOR	CONC. S.T.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P	G.B.	P.	8'-0"	
318	CORRIDOR	CPT.	G.B.	P.	G.B.	P.	G.B.	P.	OPEN	—	A.T.	—	9'-6"	
319	COMPUTER	CPT.	G.B.	P	G.B	P.	G.B.	P	G.B.	P.	A.T.	—	9'-6"	
320	CONFERENCE	CPT.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	A.T.	—	9'-6"	
P-01	CORRIDOR	CONC. ST.	G.B	P	G.B.	P.	OPEN.	—	G.B.	P	EXPOSED S. JOISTS + DECK	P.	—	
P-02	STAFF RM.	CONC. S.T.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	EXPOSED S. JOISTS + DECK	P.	—	
P-03	ELEV. MACHINE #1	CONC. S.T.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	EXPOSED S. JOISTS + DECK	P.	—	
P-04	CORRIDOR	CONC. S.T.	OPEN	—	G.B.	P.	G.B.	P.	G.B.	P	EXPOSED S. JOISTS + DECK	P.	—	
P-05	MECHANICAL	CONC. S.T.	G.B.	P.	G.B.	P.	G.B.	P.	G.B.	P.	EXPOSED S. JOISTS + DECK	P.	—	
P-06	ELEV. MACHINE #2	CONC. S.T.	G.B.	P.	G.B.	P	G.B.	P.	G.B.	P	EXPOSED S. JOISTS + DECK	P.	—	

NO. DATE REVISIONS DESCRIPTION
A [illegible] Revised to 'As Built'

PROJECT NO.
DATE
SCALE
DRAWN
CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
FINISH SCHEDULE

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

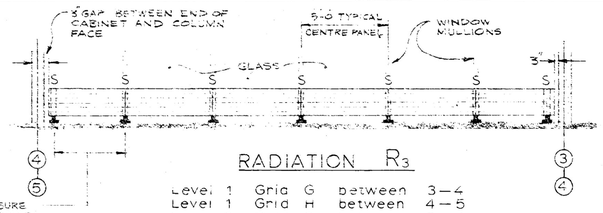
DRAWING NO.

Public Works Travaux publics Canada

0148

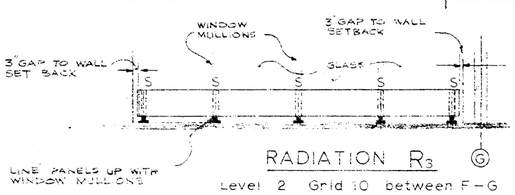
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couper ici
international A1
594 x 841 mm

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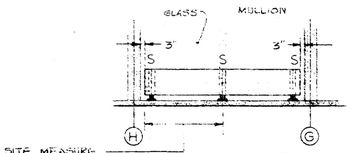
RADIATION R3

Level 1 Grid G between 3—4
Level 1 Grid H between 4—5
Level 2 Grid G between 3—4
Level 2 Grid H between 4—5



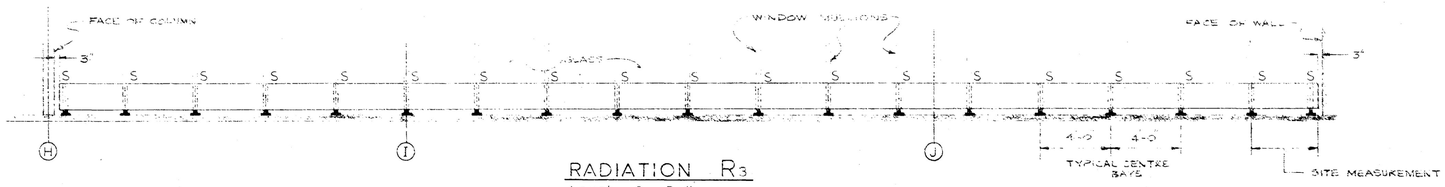
RADIATION R3

Level 2 Grid 10 between F—G



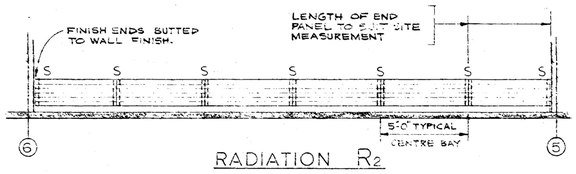
RADIATION R3

Level 1 Grid 4 between G-H
Level 2 Grid 4 between G-H



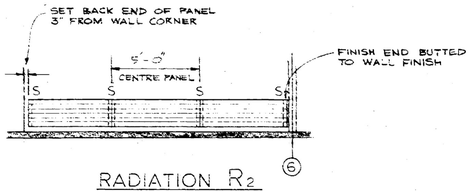
RADIATION R3

Level 2 Gallery



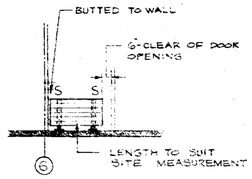
RADIATION R2

Level 1 Grids H & I



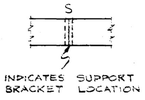
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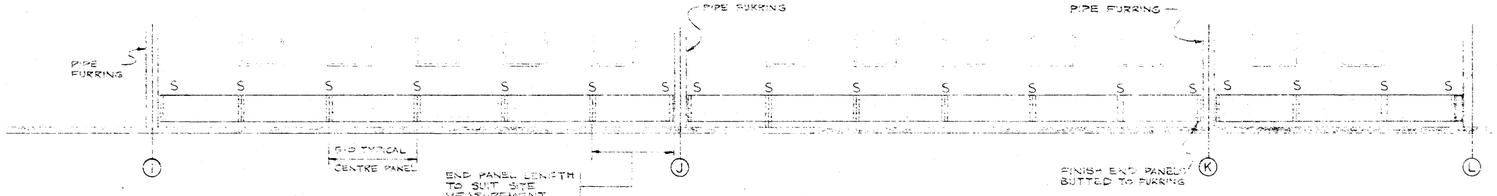
Level 1 Grid H



RADIATION R3

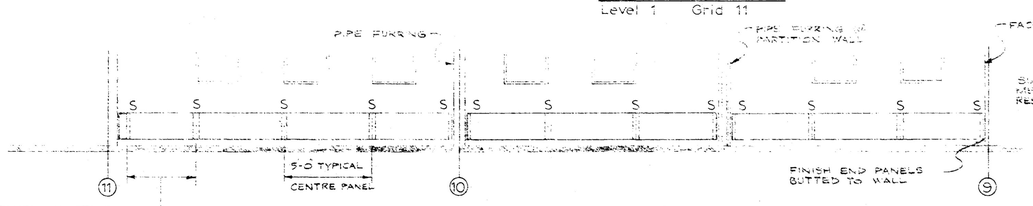
Level 1 Grid E





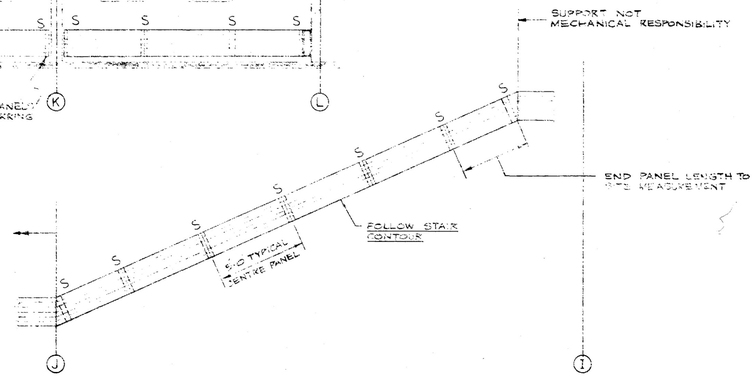
RADIATION R2

Level 1 Grid 11



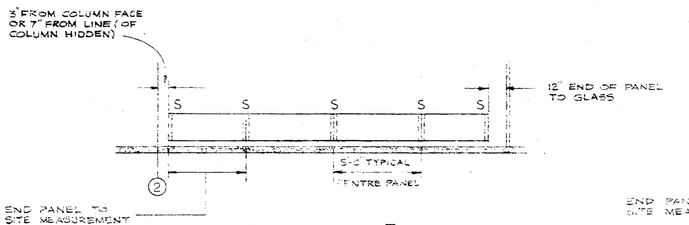
RADIATION R2

Level 1 Grid L



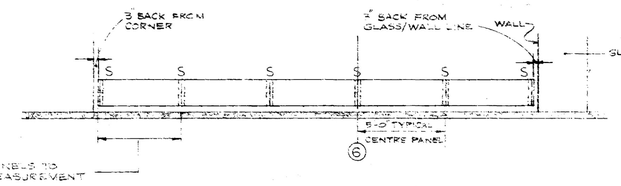
RADIATION R2

Levels 2/1 Grid 6



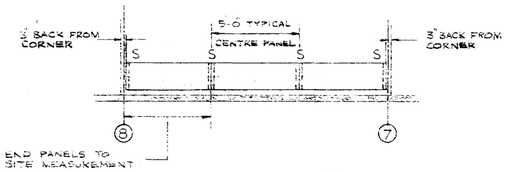
RADIATION R2

Level 2 Grid 1 & 2



RADIATION R2

Level 2 Grid H



RADIATION R2

Level 2 Grid H

D.P.W. A1

centimetres 0 2 4 6 8 10 12 14 16 18 20 centimetres



GOVERNMENT OF THE YUKON TERRITORY

consultant
expert-conseil

seal
sceau

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par

date

scale
echelle 1/4" = 1'-0"

A detail no.
no. du détail
B sheet no. – where detail required
no. de la feuille – où détail exigé
C sheet no. – where detailed
no. de la feuille – où detaillé

revisions
revisions

project
projet
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE Y.T

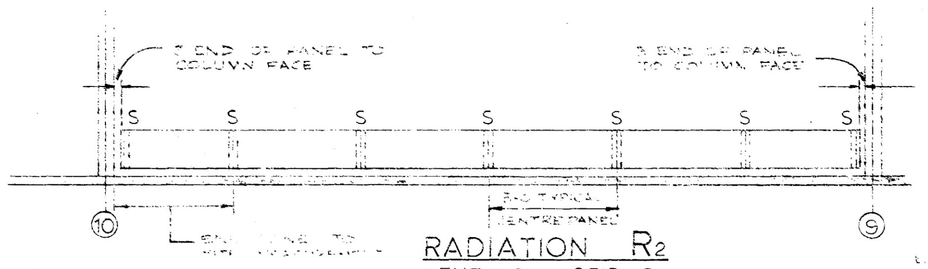
drawing
dessin
DETAILS 1
RADIATION R2 & R3

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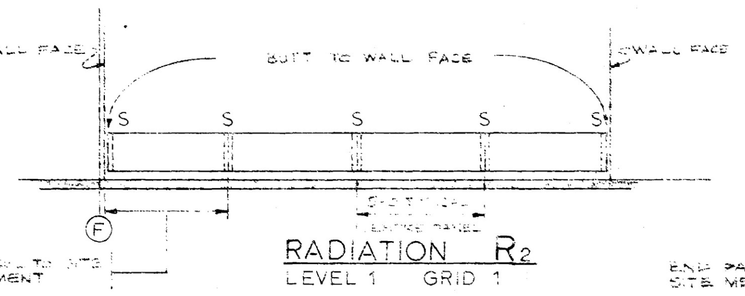
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international A1 594 x 841 mm

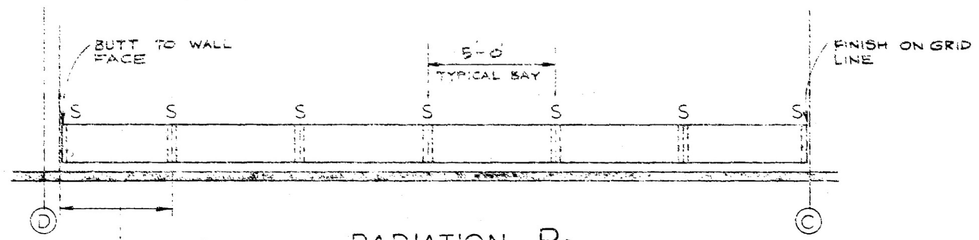
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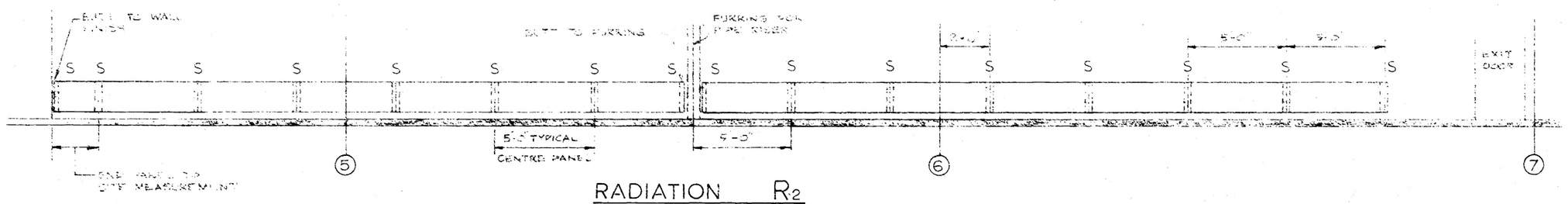
RADIATION R2
LEVEL 2 GRID G



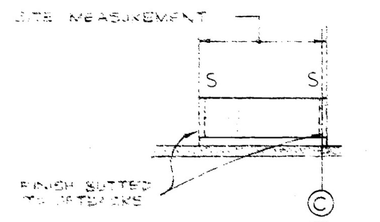
RADIATION R2
LEVEL 1 GRID 1



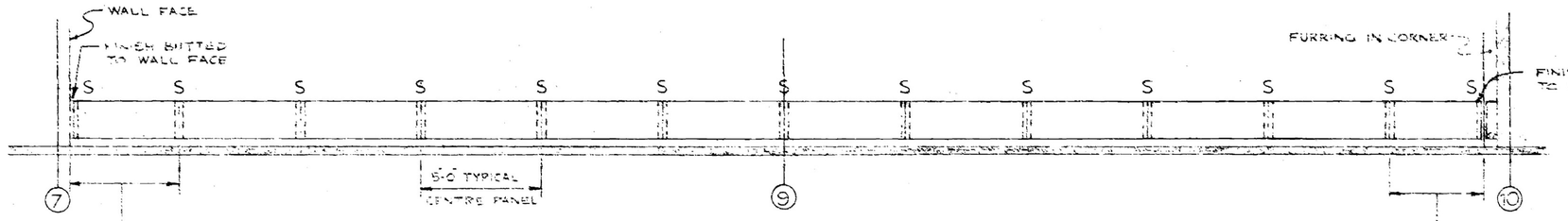
RADIATION R2
LEVEL 1 GRID 1



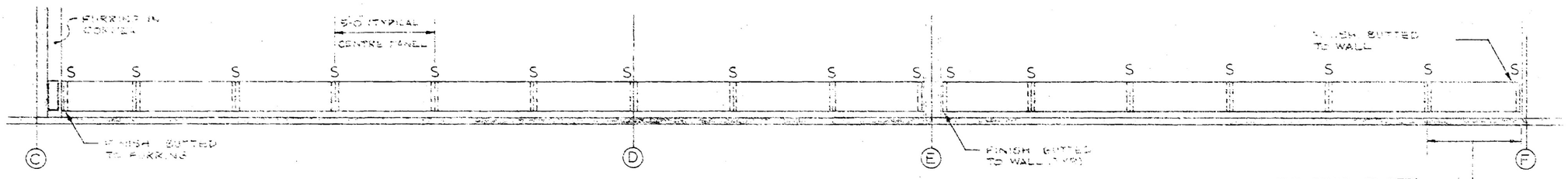
RADIATION R2
LEVEL 1 GRID B



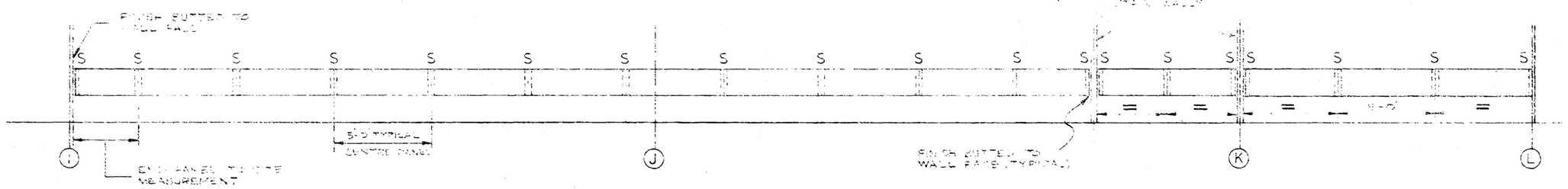
RAD. R2
LEVEL 1 GRID 7



RADIATION R2
LEVEL 1 GRID C

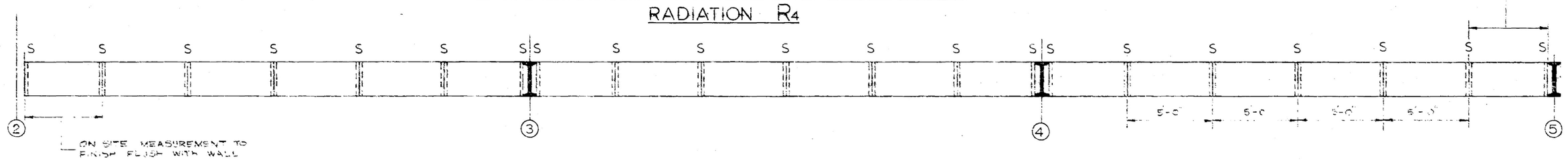


RADIATION R2
LEVEL 1 GRID 10

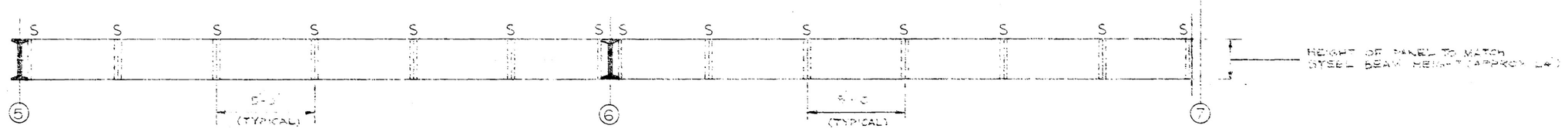


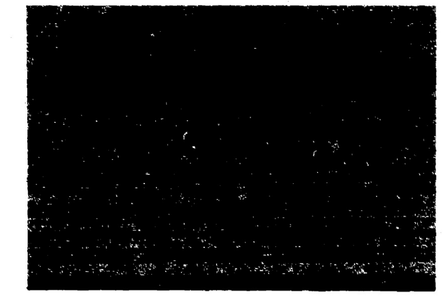
LEVEL 2 COUNCIL SKYLIGHT RADIATION

RADIATION R4



MALL HIGH LEVEL RADIATION R5





GOVERNMENT OF THE
YUKON TERRITORY

consultant
expert-conseil

seal
sceau

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par

date

scale
echelle 1/4" = 1'-0"

A detail no.
no. du détail
B sheet no. – where detail required
no. de la feuille – où détail exigé
C sheet no. – where detailed
no. de la feuille – où détaillé

revisions
revisions

project
projet
TERRITORIAL ADMINISTRATION
BUILDING
WHITEHORSE YT

drawing
dessin
DETAILS 2
RADIATION R2, R4, R5

project No. du projet
89857

sheet No. de la feuille
HTG - CL - 2

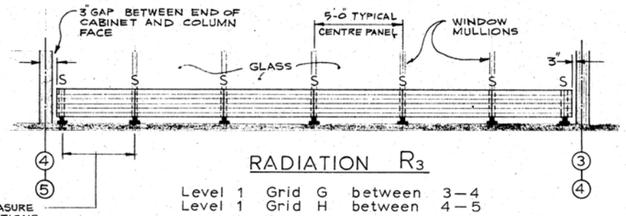
D.P.W. A1

centimetres 0 2 4 6 8 10 12 14 16 18 20 centimetres

cut here
couper ici

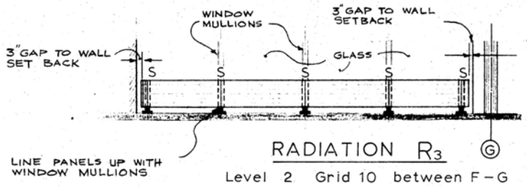
international A1 594 x 841 mm

inches 0 1 2 3 4 5 6 7 8 pouces



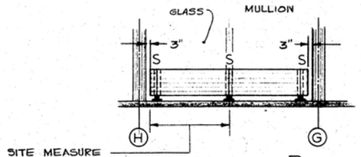
RADIATION R3

Level 1 Grid G between 3—4
Level 1 Grid H between 4—5
Level 2 Grid G between 3—4
Level 2 Grid H between 4—5



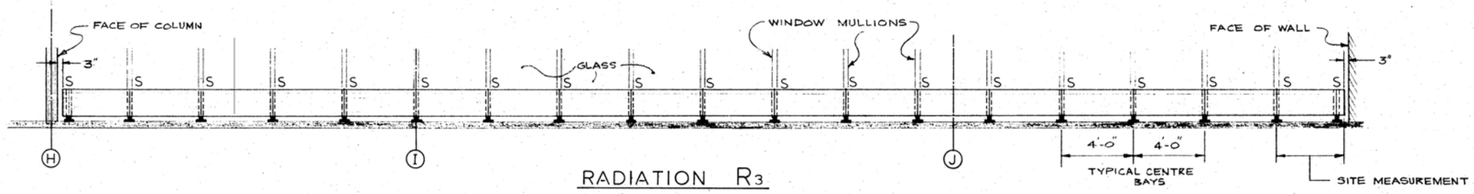
RADIATION R3

Level 2 Grid 10 between F—G



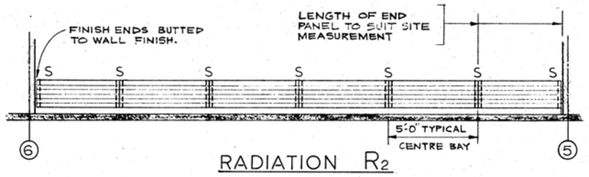
RADIATION R3

Level 1 Grid 4 between G-H
Level 2 Grid 4 between G-H



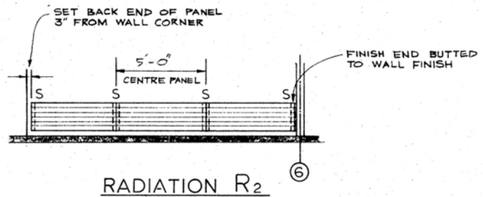
RADIATION R3

Level 2 Gallery



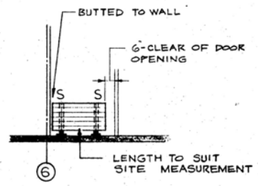
RADIATION R2

Level 1 Grids H&I



RADIATION R2

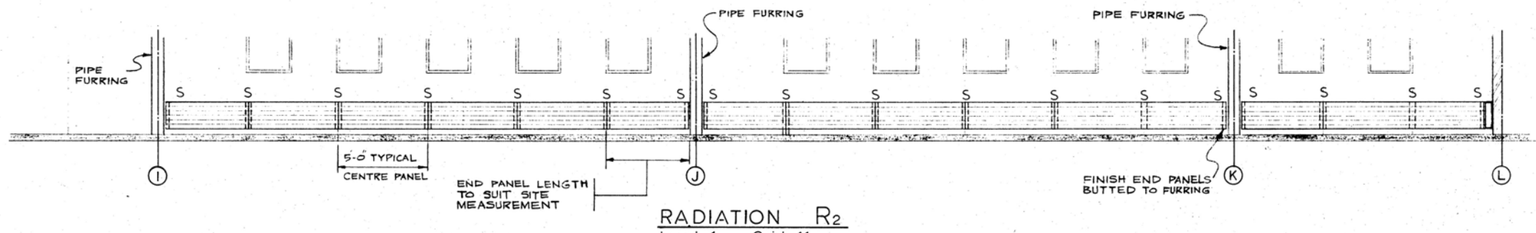
Level 1 Grid H



RADIATION R3

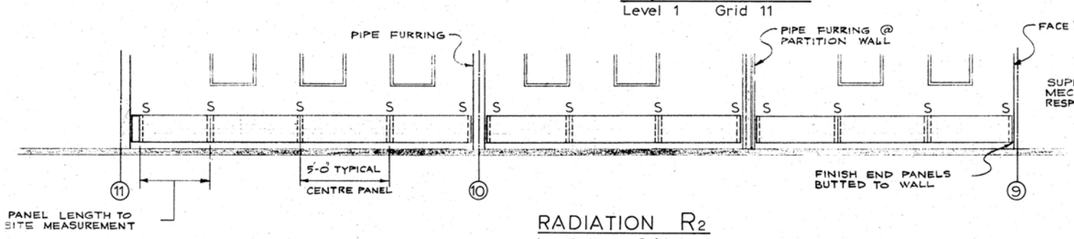
Level 1 Grid E





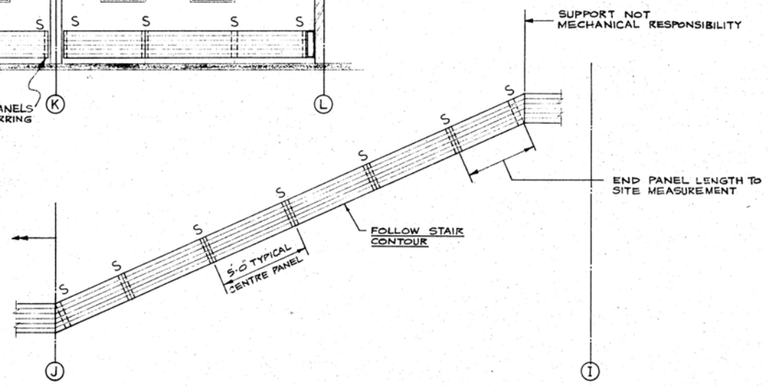
RADIATION R2

Level 1 Grid 11



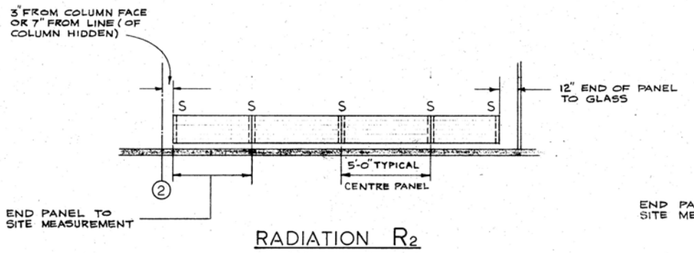
RADIATION R2

Level 1 Grid L



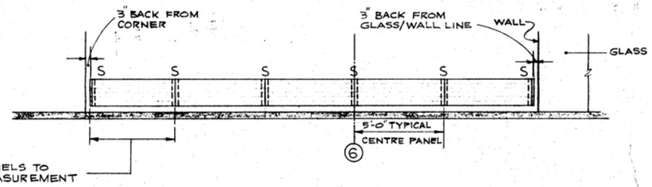
RADIATION R2

Levels 2/1 Grid 6



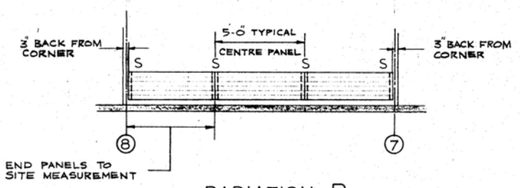
RADIATION R2

Level 2 Grid 1 & 2



RADIATION R2

Level 2 Grid H



RADIATION R2

Level 2 Grid H

centimetres 0 2 4 6 8 10 12 14 16 18 20 centimètres

D.P.W. A1

0151

GOVERNMENT OF THE YUKON TERRITORY

consultant
expert-conseil

seal
sceau

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par

date

scale
échelle 1/4" = 1 - 0"

A detail no. no. du détail
B sheet no. – where detail required no. de la feuille – où détail exigé
C sheet no. – where detailed no. de la feuille – où détaillé

revisions
revisions

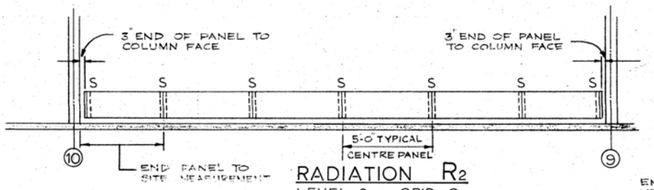
project
projet
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE Y.T

drawing
dessin
DETAILS 1
RADIATION R2 & R3

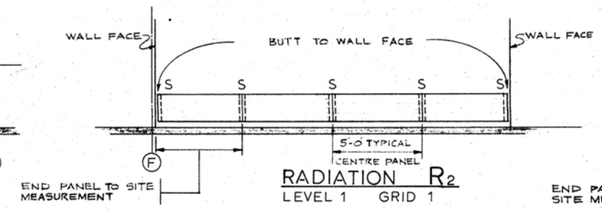
project No. du projet
89857

sheet No. de la feuille
HTG - CL- 1

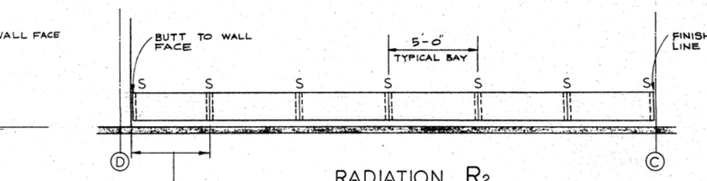
cut here
couper ici
international A1 594 x 841 mm
inches 0 1 2 3 4 5 6 7 8 pouces
centimetres 0 2 4 6 8 10 12 14 16 18 20 centimetres
D.P.W. A1



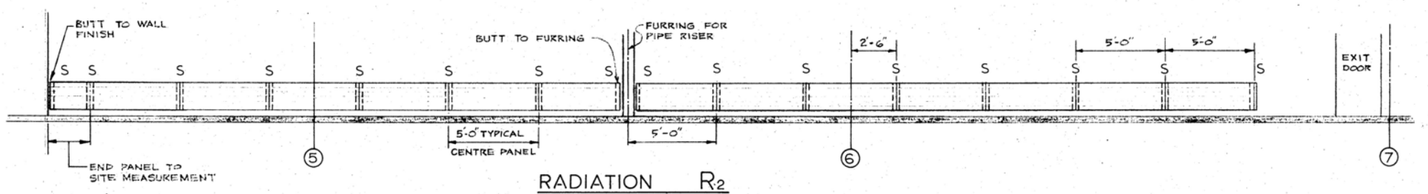
RADIATION R_2
LEVEL 2 GRID G



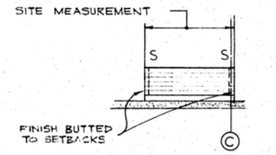
RADIATION R_2
LEVEL 1 GRID 1



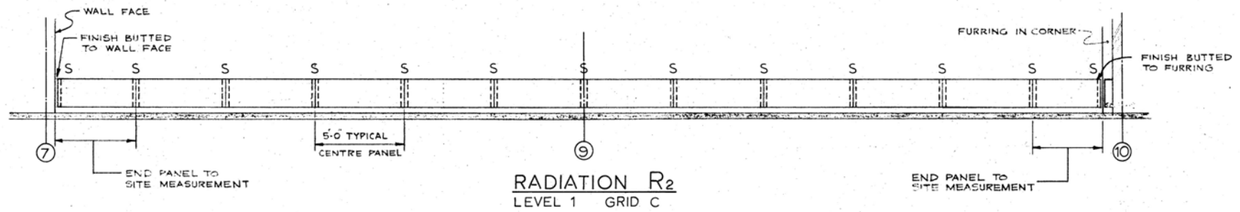
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LEVEL 1 GRID 1



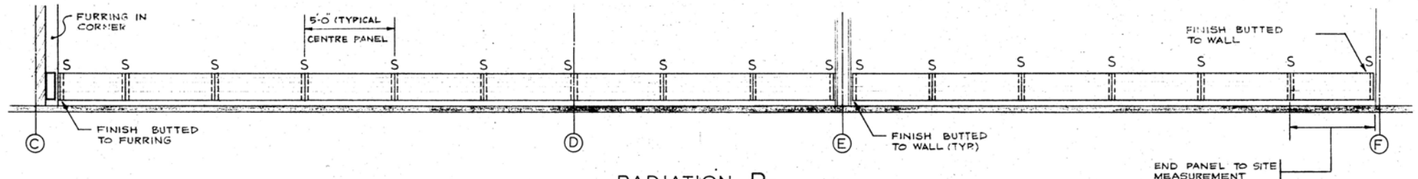
RADIATION R_2
LEVEL 1 GRID B



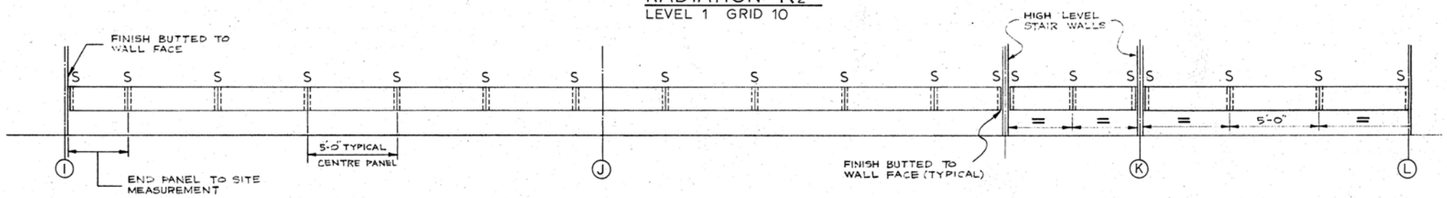
RAD. R_2
LEVEL 1 GRID 7



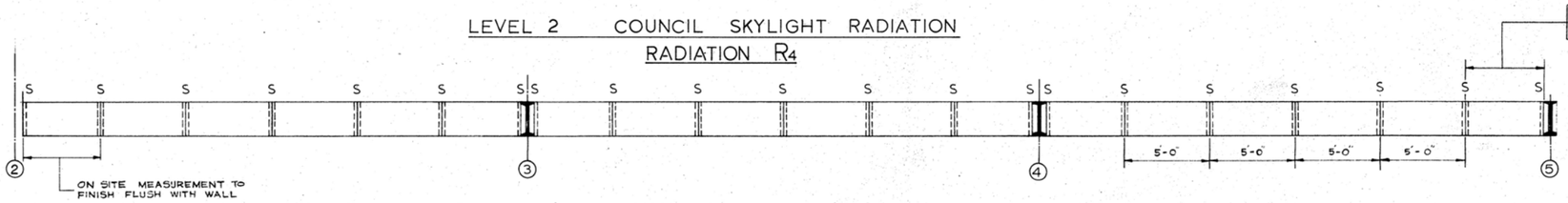
RADIATION R_2
LEVEL 1 GRID C



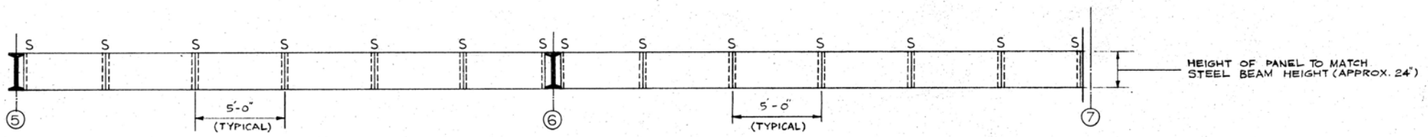
RADIATION R_2
LEVEL 1 GRID 10



LEVEL 2 COUNCIL SKYLIGHT RADIATION
RADIATION R_4



MALL HIGH LEVEL RADIATION R_5



GOVERNMENT OF THE
YUKON TERRITORY

consultant
expert-conseil

seal
sceau

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par
date

scale
échelle 1/4" = 1'-0"

A detail no.
no. du détail
B sheet no. – where detail required
no. de la feuille – où détail exigé.
C sheet no. – where detailed
no. de la feuille – où détaillé

revisions
révisions

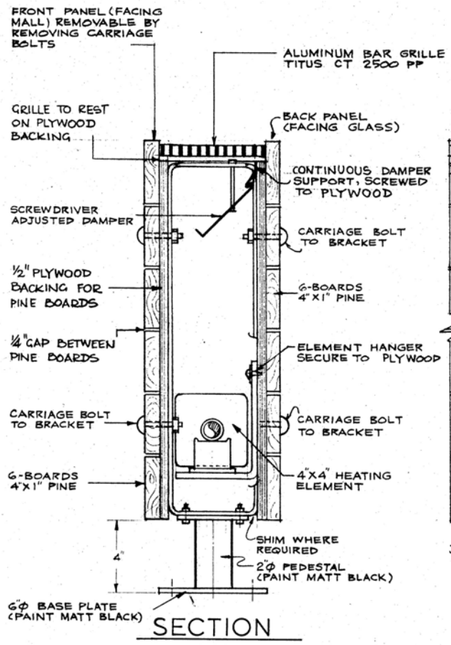
project
projet
TERRITORIAL ADMINISTRATION
BUILDING
WHITEHORSE Y.T

drawing
dessin
DETAILS 2
RADIATION R2, R4, R5

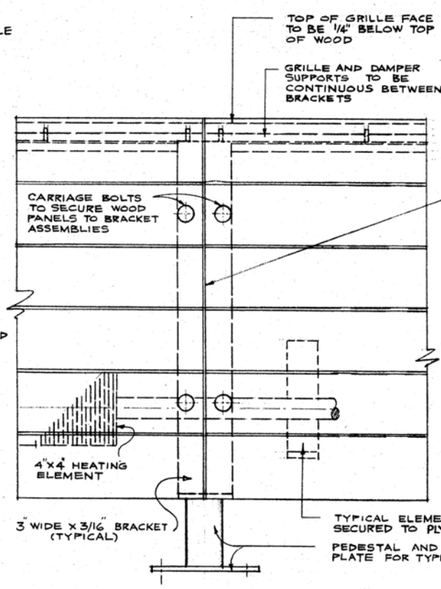
project No. du projet
89857

sheet No. de la feuille
HTG - CL - 2

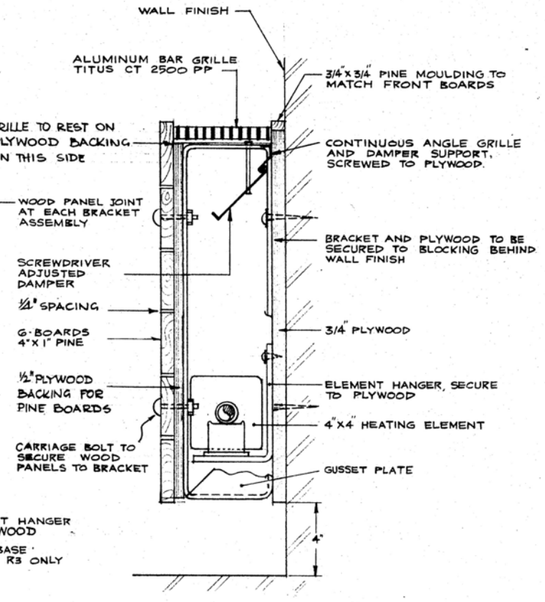
cut here
couper ici
international A1 594 x 841 mm
inches 0 1 2 3 4 5 6 7 8 pouces
C



SECTION
TYPE R_3 BRACKET
Scale 3" = 1'-0"



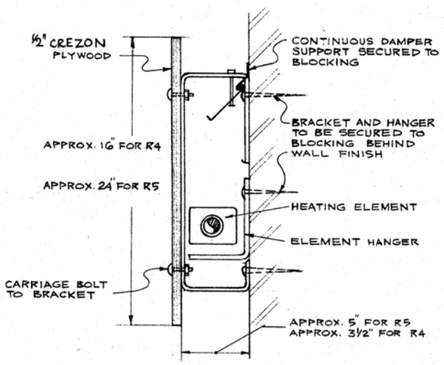
ELEVATION
TYPE R_3 & R_2
Scale 3" = 1'-0"



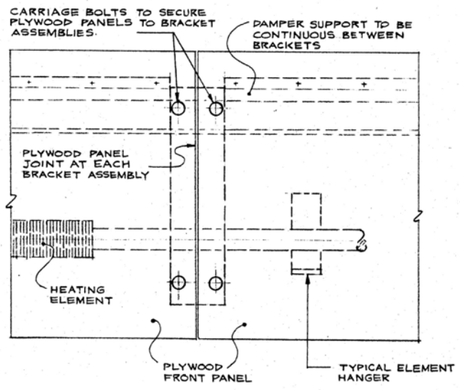
SECTION
TYPE R_2 BRACKET
Scale 3" = 1'-0"

NOTES

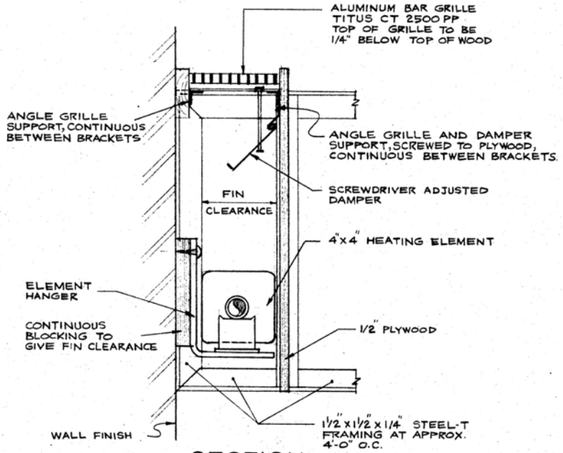
1. DAMPERS TO PROVIDE A MINIMUM OF 4" OPENING WHERE FIN IS 4"X4" AND 2½" OPENING WHERE FIN IS 2½" X 2".
2. READ THIS DRAWING IN RELATION TO DRAWINGS.... HTG - CL - 1 & HTG - CL - 2
3. EXACT LOCATION OF FIN, ELEMENT HANGERS, BRACKETS ETC. TO BE SITE DECIDED DECIDED TO AVOID CLASHES



SECTION
TYPE R_4 & R_5
Scale 3" = 1'-0"



ELEVATION
TYPES R_4 & R_5
Scale 3" = 1'-0"



SECTION
TYPE R_6 Scale 3" = 1'-0"

0153
[redacted]
GOVERNMENT OF THE YUKON TERRITORY
consultant
expert-conseil
seal
sceau
designed by
conçu par
drawn by
dessiné par
approved by
approuvé par
date
scale
échelle
A detail no. no. du détail
B sheet no. – where detail required no. de la feuille – où détail exige
C sheet no. – where detailed no. de la feuille – où détaillé
revisions
révisions

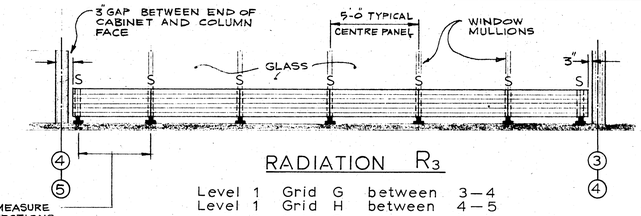
project
projet
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE Y.T

drawing
dessin
DETAILS 3 - RADIATION
R2, R3, R4, R5, R6

project No. du projet	sheet No. de la feuille
89857	HTG - CL - 3

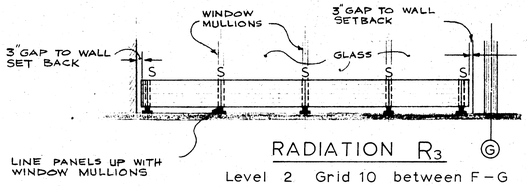
D.P.W. A1
centimetres 0 2 4 6 8 10 12 14 16 18 20 centimètres
C

cut here
couper ici
international A1 594 x 841 mm



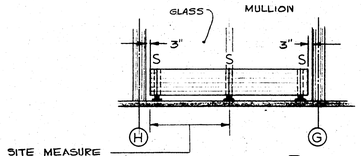
RADIATION R3

Level 1 Grid G between 3—4
Level 1 Grid H between 4—5
Level 2 Grid G between 3—4
Level 2 Grid H between 4—5



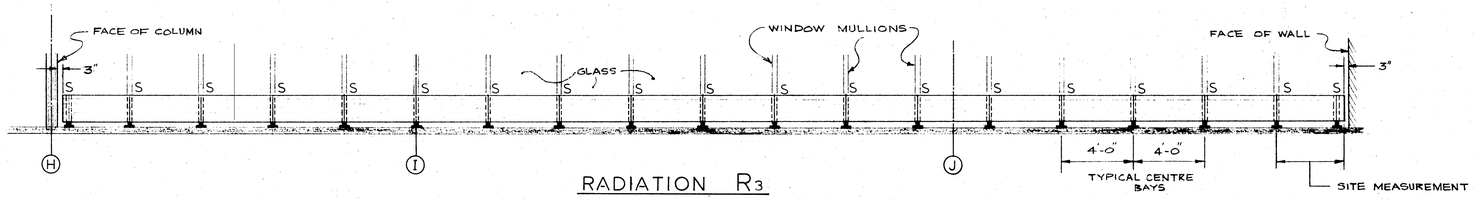
RADIATION R3

Level 2 Grid 10 between F—G



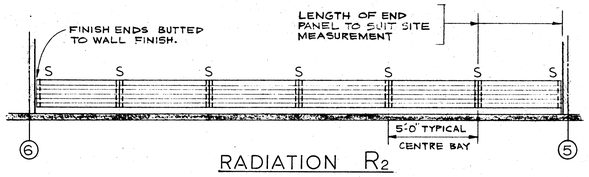
RADIATION R3

Level 1 Grid 4 between G-H
Level 2 Grid 4 between G-H



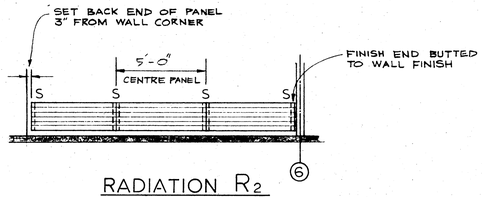
RADIATION R3

Level 2 Gallery



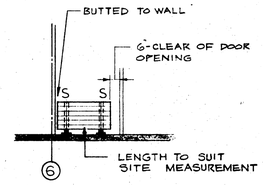
RADIATION R2

Level 1 Grids H&I



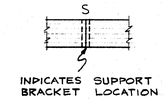
RADIATION R2

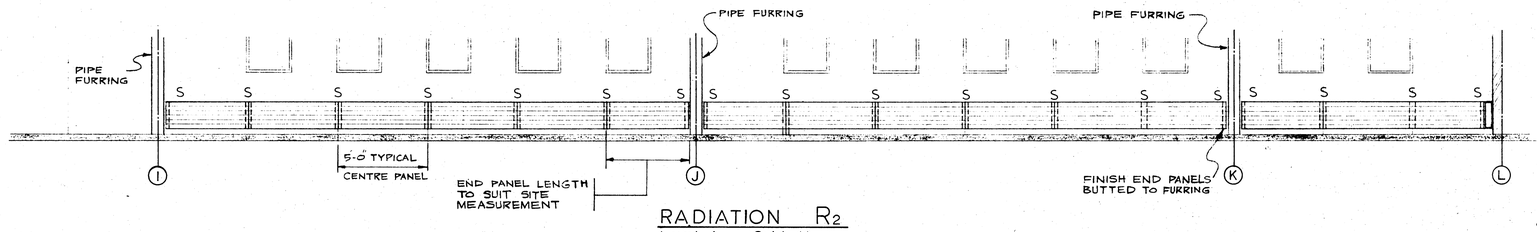
Level 1 Grid H



RADIATION R3

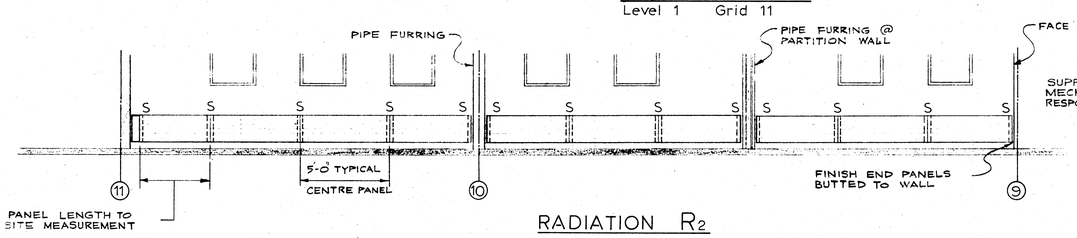
Level 1 Grid E





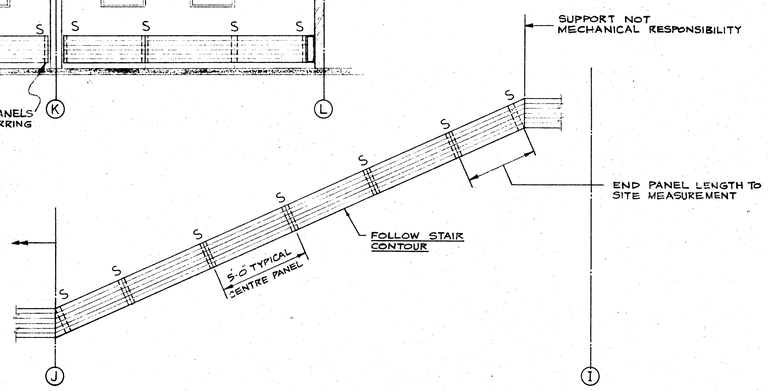
RADIATION R2

Level 1 Grid 11



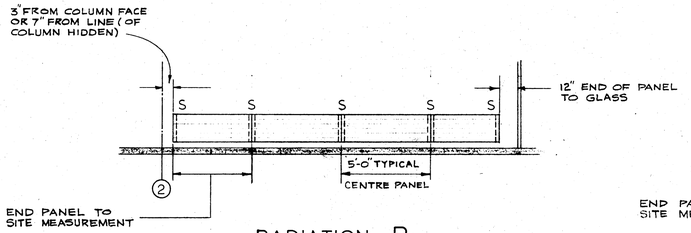
RADIATION R2

Level 1 Grid L



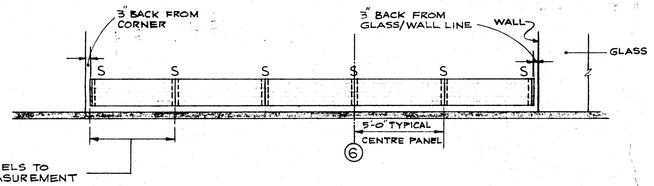
RADIATION R2

Levels 2/1 Grid 6



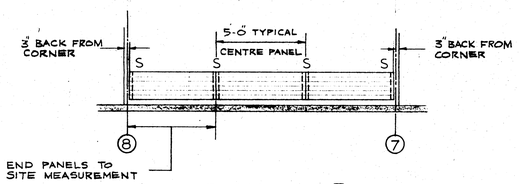
RADIATION R2

Level 2 Grid 1&2



RADIATION R2

Level 2 Grid H



RADIATION R2

Level 2 Grid H

GOVERNMENT OF THE YUKON TERRITORY

consultant
expert-conseil

seal
sceau

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par

date

scale
échelle 1/4" = 1'-0"

A detail no.
no. du détail
B sheet no. – where detail required
no. de la feuille – où détail exigé
C sheet no. – where detailed
no. de la feuille – où détaillé

revisions
revisions

project
projet
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE Y.T

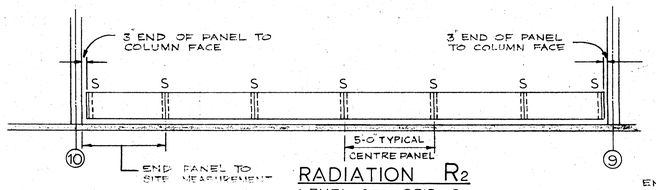
drawing
dessin
DETAILS 1
RADIATION R2 & R3

project No. du projet
89857

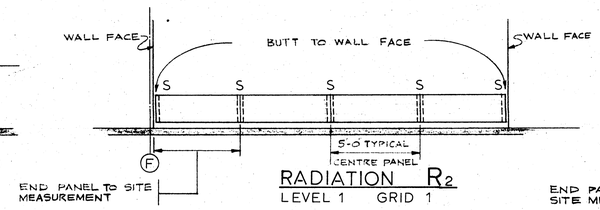
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HTG - CL- 1

D.P.W. A1

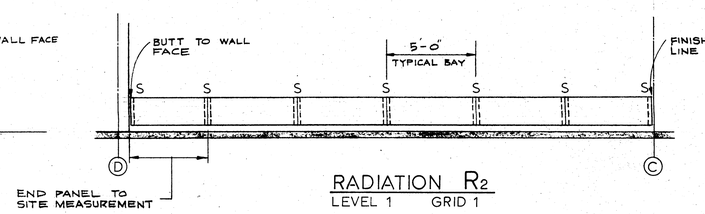
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international A1 594 x 841 mm
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centimetres 0 2 4 6 8 10 12 14 16 18 20 centimetres
D.P.W. A1



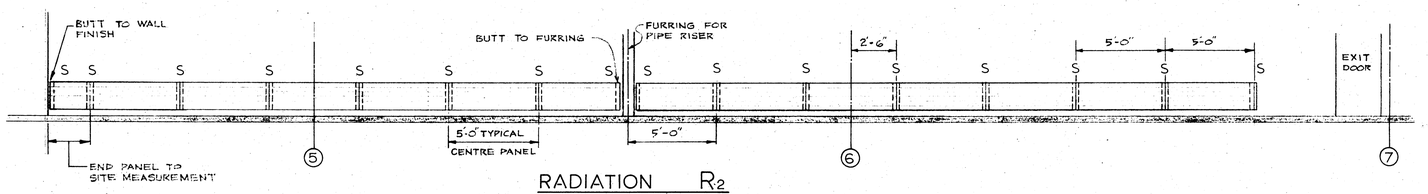
RADIATION R_2
LEVEL 2 GRID G



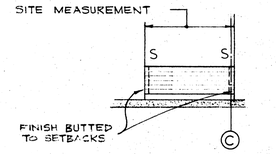
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LEVEL 1 GRID 1



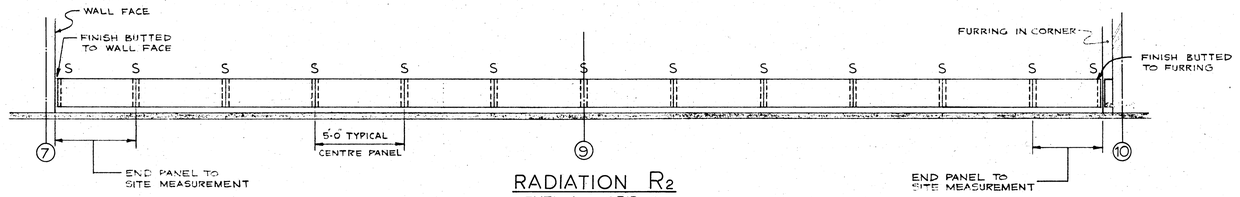
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LEVEL 1 GRID 1



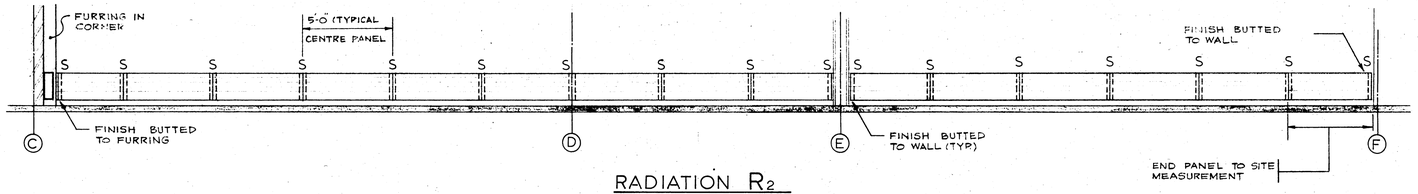
RADIATION R_2
LEVEL 1 GRID B



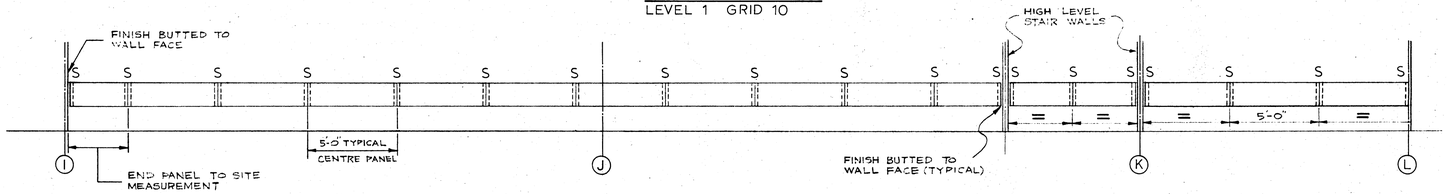
RAD. R_2
LEVEL 1 GRID 7



RADIATION R_2
LEVEL 1 GRID C

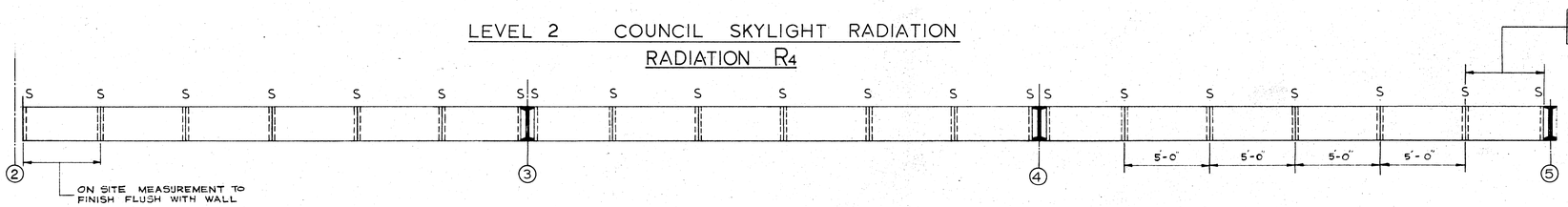


RADIATION R_2
LEVEL 1 GRID 10

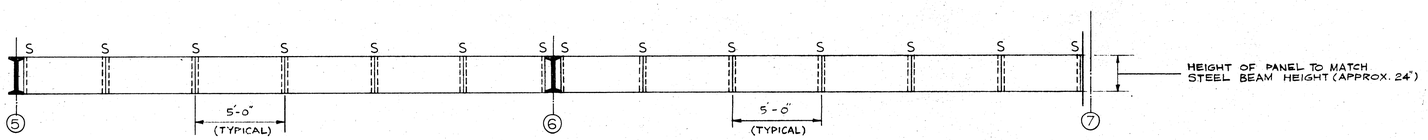


LEVEL 2 COUNCIL SKYLIGHT RADIATION

RADIATION R_4



MALL HIGH LEVEL RADIATION R_5



GOVERNMENT OF THE YUKON TERRITORY

consultant
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dessiné par

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approuvé par
date

scale
échelle 1/4" = 1'-0"

A detail no.
no. du détail
B sheet no. – where detail required
no. de la feuille – où détail exigé.
C sheet no. – where detailed
no. de la feuille – où détaillé

revisions
révisions

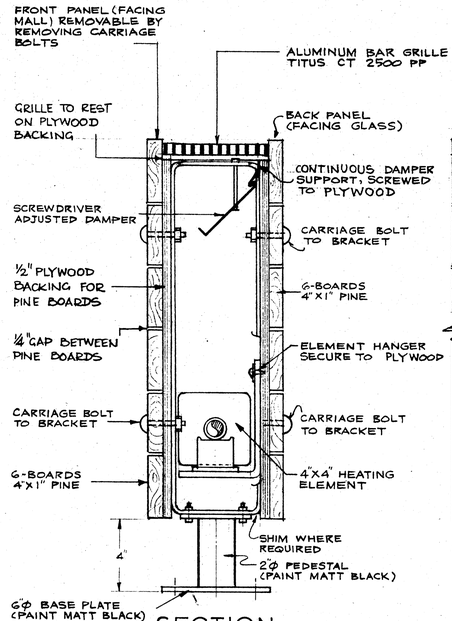
project
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TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE Y.T

drawing
dessin
DETAILS 2
RADIATION R2, R4, R5

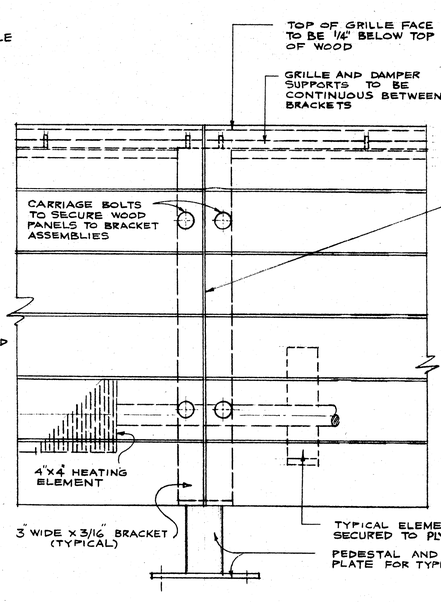
project No. du projet
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sheet No. de la feuille
HTG - CL - 2

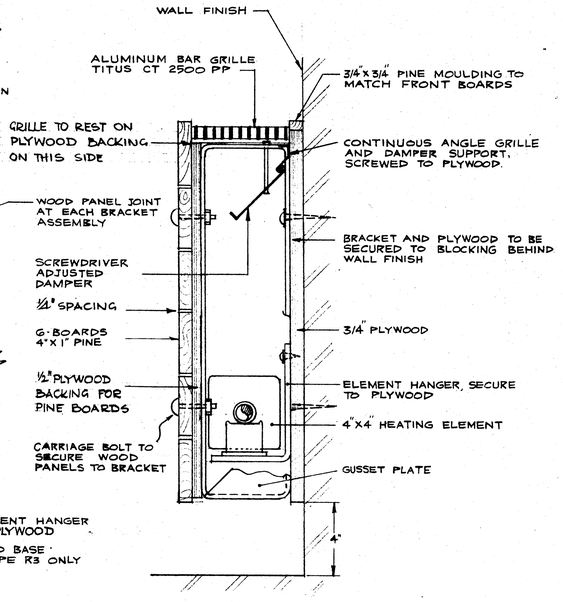
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couper ici
international A1 594 x 841 mm
inches 0 1 2 3 4 5 6 7 8 pouces
centimetres 0 2 4 6 8 10 12 14 16 18 20 centimètres
D.P.W. A1



SECTION
TYPE R_3 BRACKET
Scale 3" = 1'-0"



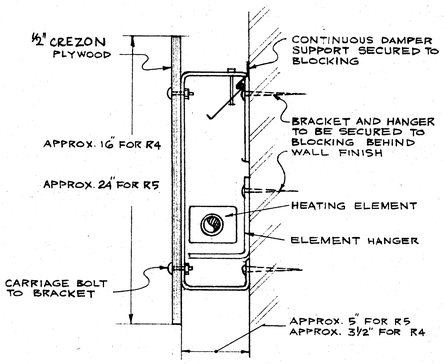
ELEVATION
TYPE R_3 & R_2
Scale 3" = 1'-0"



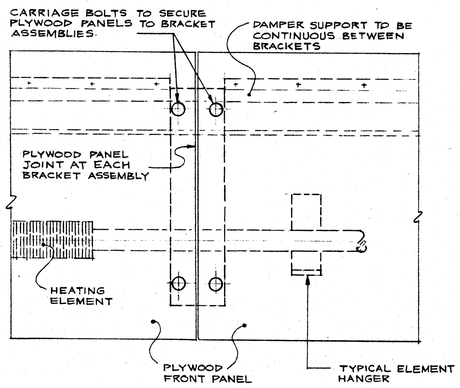
SECTION
TYPE R_2 BRACKET
Scale 3" = 1'-0"

NOTES

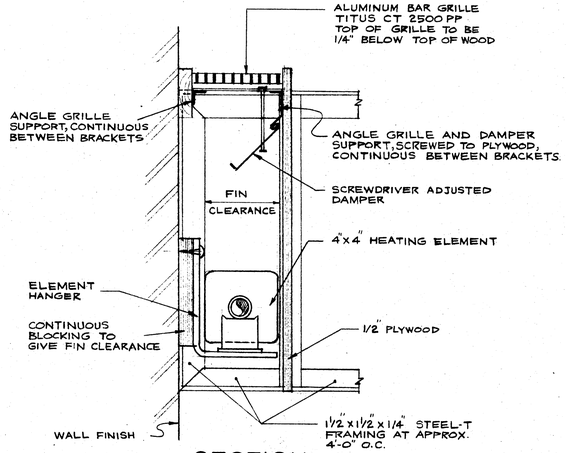
1. DAMPERS TO PROVIDE A MINIMUM OF 4" OPENING WHERE FIN IS 4"X4" AND 2½" OPENING WHERE FIN IS 2½" X 2".
2. READ THIS DRAWING IN RELATION TO DRAWINGS.... HTG - CL - 1 & HTG - CL - 2
3. EXACT LOCATION OF FIN, ELEMENT HANGERS, BRACKETS ETC. TO BE SITE DECIDED DECIDED TO AVOID CLASHES



SECTION
TYPE R_4 & R_5
Scale 3" = 1'-0"



ELEVATION
TYPES R_4 & R_5
Scale 3" = 1'-0"



SECTION
TYPE R_6
Scale 3" = 1'-0"

GOVERNMENT OF THE YUKON TERRITORY

consultant
expert-conseil

seal
sceau

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par

date

scale
échelle

A detail no. no. du détail
B sheet no. – where detail required no. de la feuille – où détail exige
C sheet no. – where detailed no. de la feuille – où détaillé

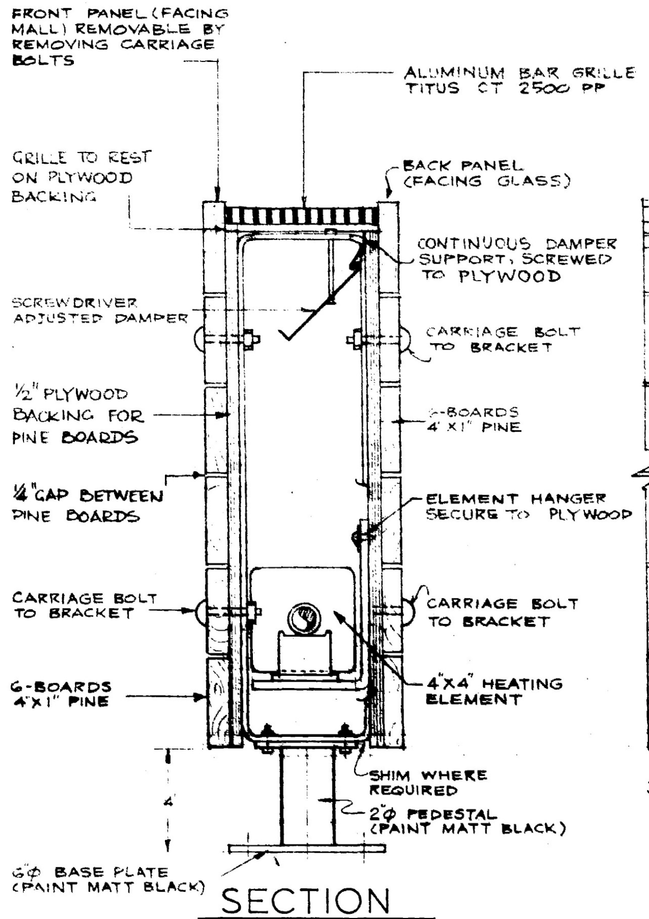
revisions
révisions

project
projet
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE Y.T

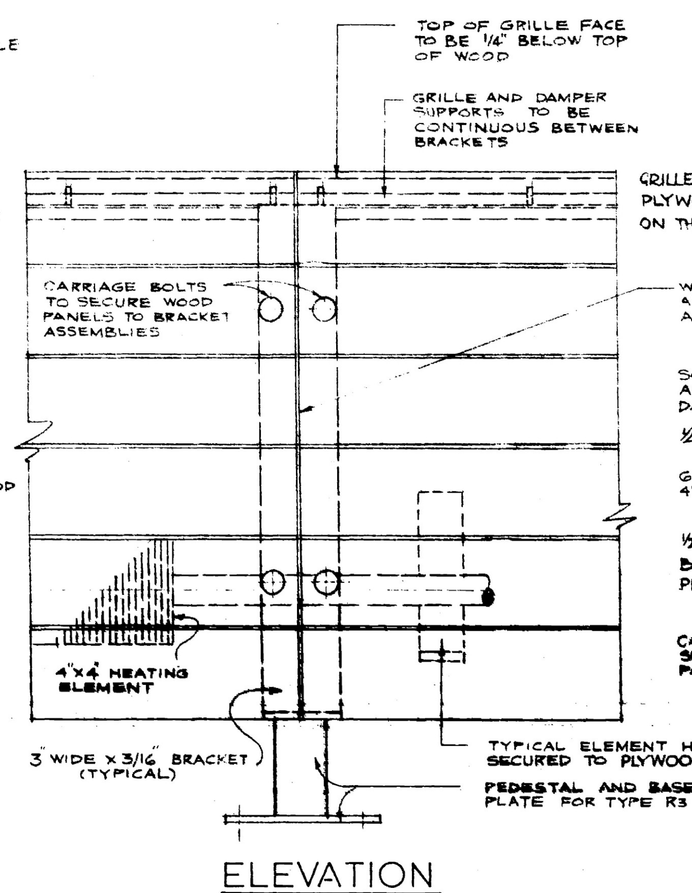
drawing
dessin
DETAILS 3 - RADIATION
R2, R3, R4, R5, R6

project No. du projet	sheet No. de la feuille
89857	HTG - CL - 3

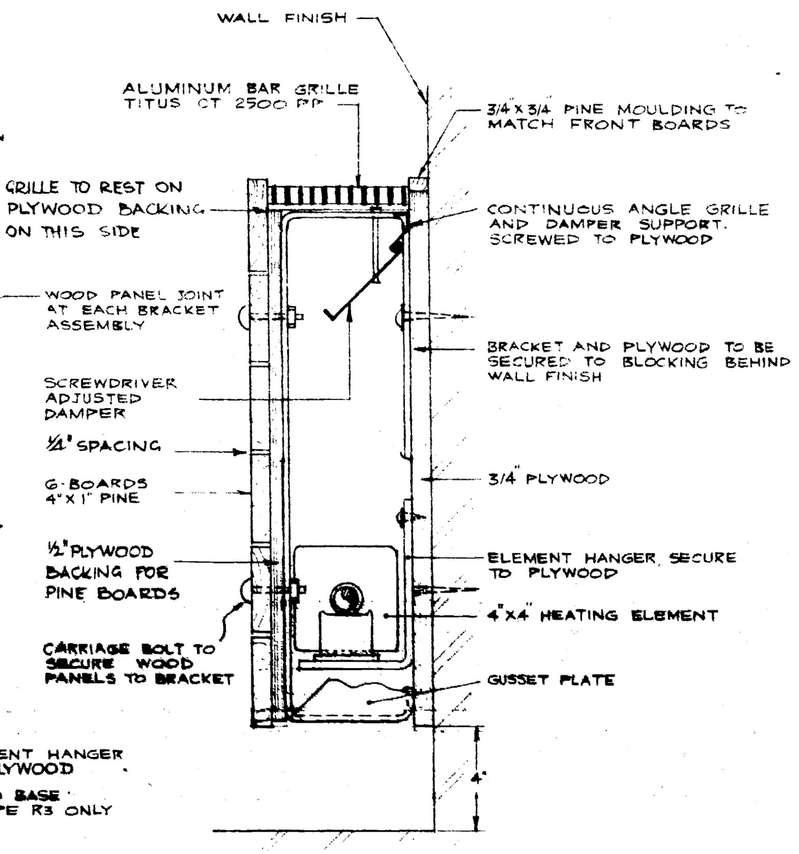
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international A1 594 x 841 mm
inches 0 1 2 3 4 5 6 7 8 pouces



SECTION
TYPE R_3 BRACKET
Scale 3" = 1'-0"



ELEVATION
TYPE R_3 & R_2
Scale 3" = 1'-0"



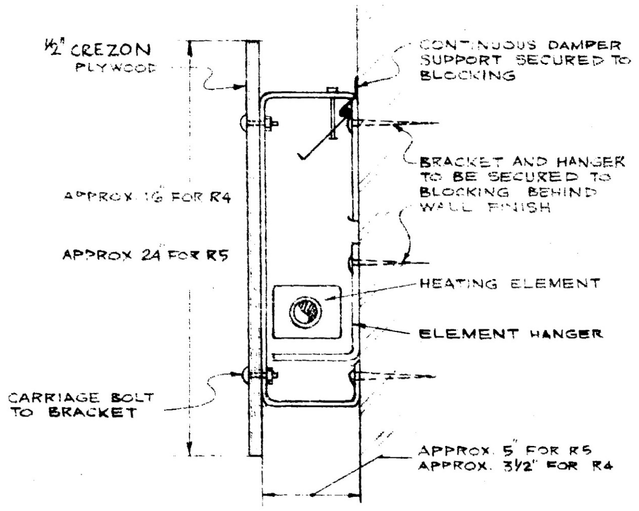
SECTION
TYPE R_2 BRACKET
Scale 3" = 1'-0"

NOTES

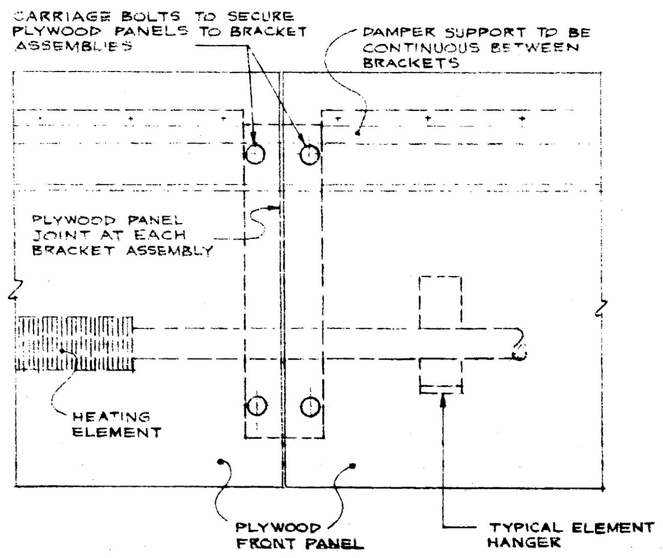
① DAMPERS TO PROVIDE A MINIMUM OF 4 OPENING WHERE FIN IS 4"x4" AND 2½" OPENING WHERE FIN IS 2½" x 2"

② READ THIS DRAWING IN RELATION TO DRAWINGS HTG-CL-1 & HTG-CL-2

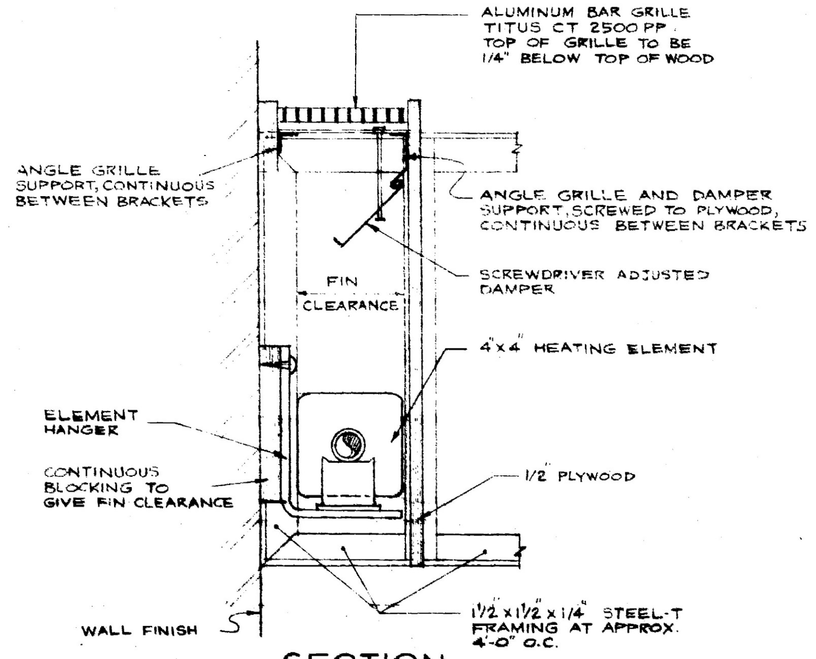
③ EXACT LOCATION OF FIN, ELEMENT HANGERS, BRACKETS ETC TO BE SITE DECIDED DECIDED TO AVOID CLASHES



SECTION
TYPE R_4 & R_5
Scale 3" = 1'-0"



ELEVATION
TYPES R_4 & R_5
Scale 3" = 1'-0"



SECTION
TYPE R_6 Scale 3" = 1'-0"

GOVERNMENT OF THE YUKON TERRITORY

consultant
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sceau

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conçu par

drawn by
dessiné par

approved by
approuvé par
date

scale
échelle

A detail no. no. du détail
B sheet no. – where detail required no. de la feuille – où détail exigé
C sheet no. – where detailed no. de la feuille – où detaillé

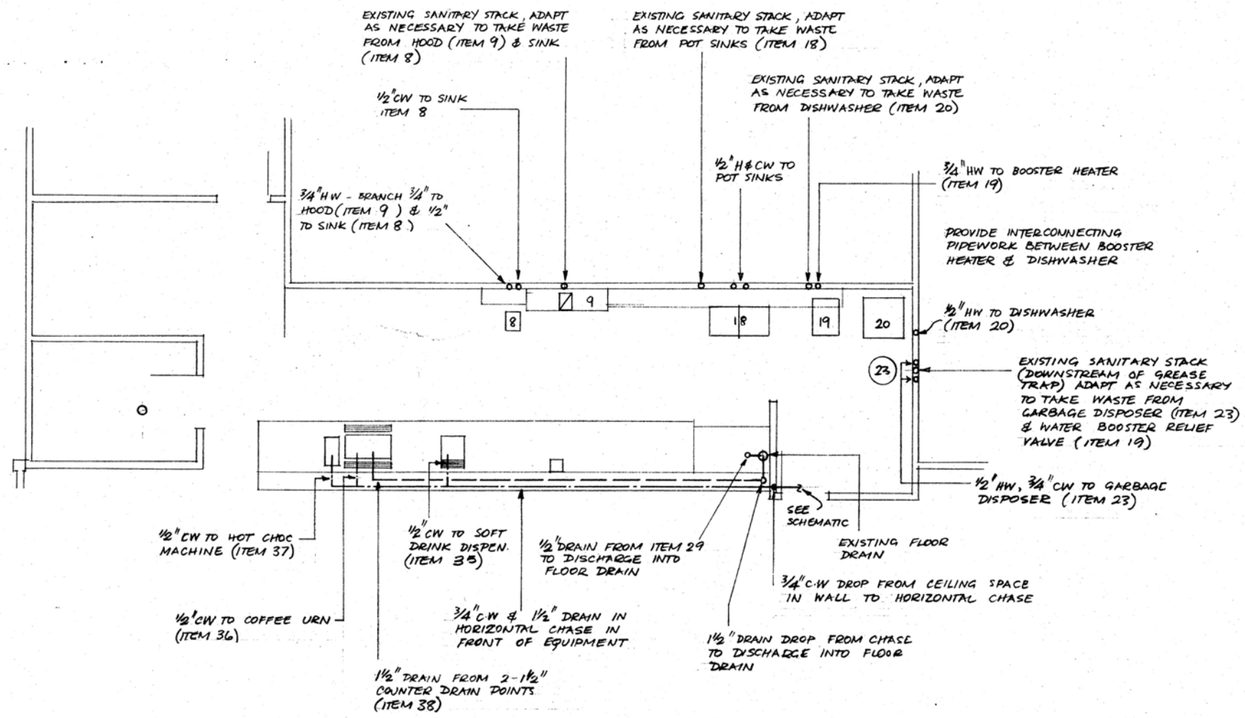
revisions
revisions

project
projet
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE Y.T

drawing
dessin
DETAILS 3 - RADIATION
R2, R3, R4, R5, R6

project No. du projet	sheet No. de la feuille
89857	HTG - CL - 3

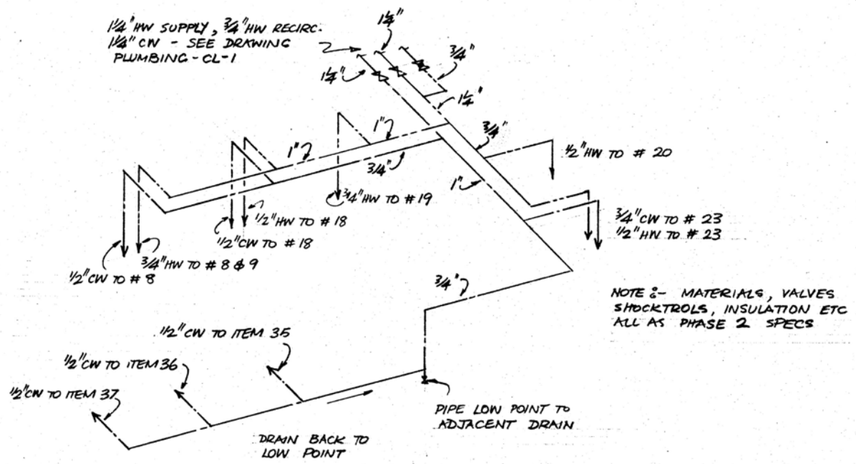
D.P.W. A1
centimetres 0 2 4 6 8 10 12 14 16 18 20 centimetres



KITCHEN PLAN SCALE ¼" = 1FOOT

NOTES

1. READ THIS DRAWING IN CONJUNCTION WITH RUSSELL FOODS DRAWINGS NO.
   3497-1
   3497-2
   3497-3
   3497-4
2. PROVIDE REFRIGERATION CONDUITS AS CALLED FOR ON THE ABOVE NOTED DRAWINGS
3. CONNECT EXISTING 12"x12" KITCHEN EXHAUST DUCT TO "CLEAN AIR" HOOD
4. READ & INCLUDE FOR ITEMS GIVEN ON GENERAL NOTES 2, 4, 7, 9 (RUSSELL FOODS DRAWINGS)
5. NOTE THAT PHASE 2 MAIN CONTRACT DOCUMENTS (DRWG M17) ALREADY INCLUDE PLUMBING HOOK-UPS TO SOME OF THE OWNER SUPPLIED KITCHEN EQUIPMENT



KITCHEN WATER PIPING SCHEMATIC
NTS

0158

office
bureau

consultant
expert-conseil

seal
sceau

designed by
conçu par L.G. FARRANT

drawn by
dessiné par L.G. FARRANT

approved by
approuvé par date

scale
échelle AS SHOWN

A detail no. no. du détail
B sheet no. – where detail required no. de la feuille – où détail exigé
C sheet no. – where detailed no. de la feuille – où détaillé

revisions
révisions

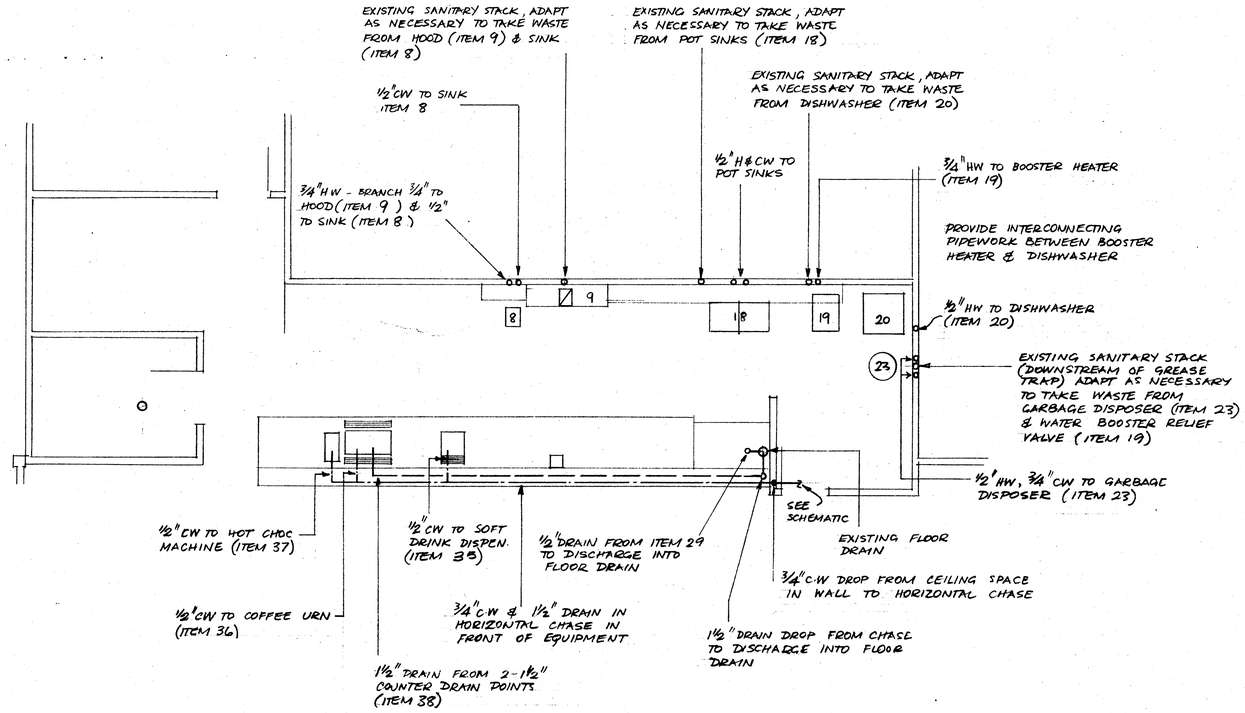
project
projet
TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE Y.T

drawing
dessin
PLUMBING FOR APPROVED KITCHEN LAYOUT

project No. du projet	sheet No. de la feuille
89857	K.T. - R1

D.P.W. A1

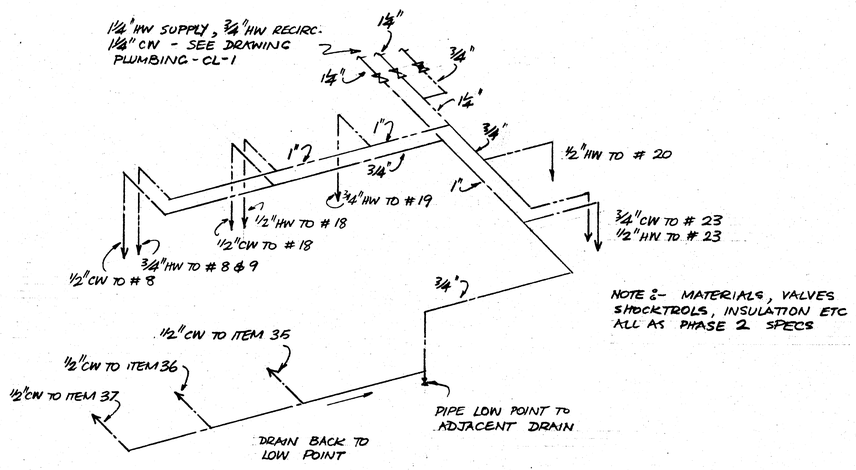
cut here
couper ici
international A1 594 x 841 mm
inches 0 1 2 3 4 5 6 7 8 pouces
centimetres 0 2 4 6 8 10 12 14 16 18 20 centimètres
D.P.W. A1



KITCHEN PLAN SCALE ¼" = 1FOOT

NOTES

1. READ THIS DRAWING IN CONJUNCTION WITH RUSSELL FOODS DRAWINGS NO.
   3497-1
   3497-2
   3497-3
   3497-4
2. PROVIDE REFRIGERATION CONDUITS AS CALLED FOR ON THE ABOVE NOTED DRAWINGS
3. CONNECT EXISTING 12"x12" KITCHEN EXHAUST DUCT TO "CLEAN AIR" HOOD
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KITCHEN WATER PIPING SCHEMATIC

NTS

office
bureau

consultant
expert-conseil

seal
sceau

designed by / conçu par: L.G. FARRANT
drawn by / dessiné par: L.G. FARRANT
approved by / approuvé par: date

scale / échelle: AS SHOWN

A detail no. no. du détail
B sheet no. – where detail required no. de la feuille – où détail exigé
C sheet no. – where detailed no. de la feuille – où détaillé

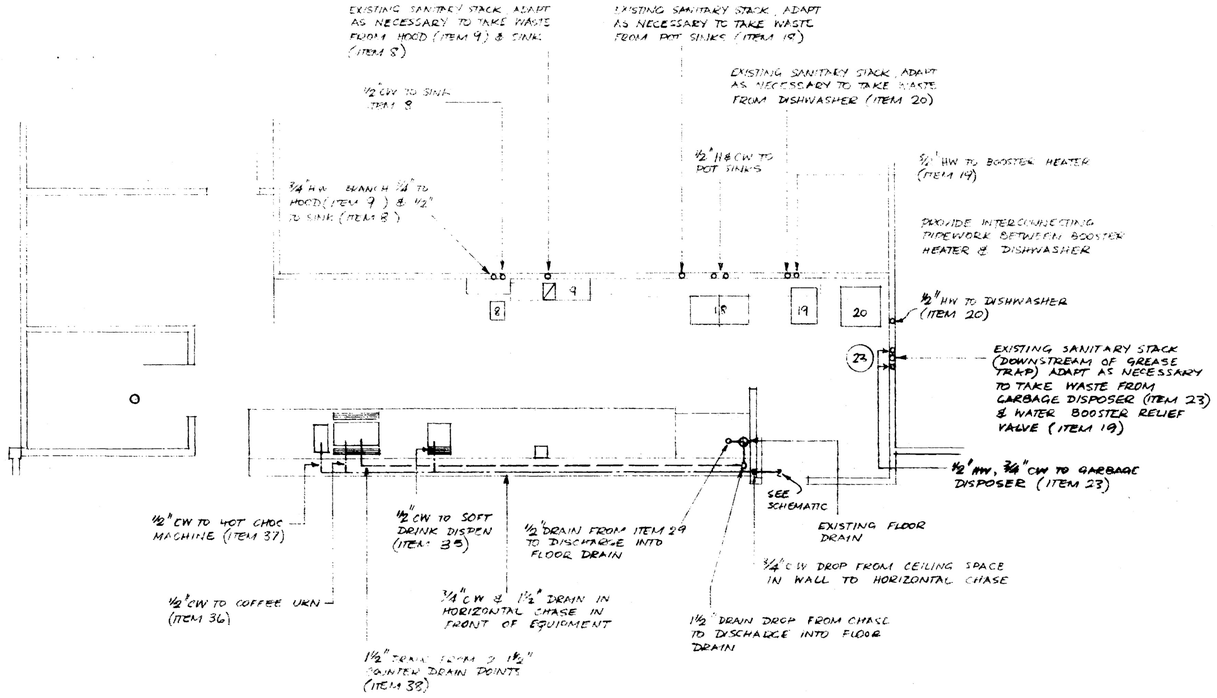
revisions
révisions

project
projet
TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE Y.T

drawing
dessin
PLUMBING FOR APPROVED KITCHEN LAYOUT

project No. du projet	sheet No. de la feuille
89857	KIT. - R1

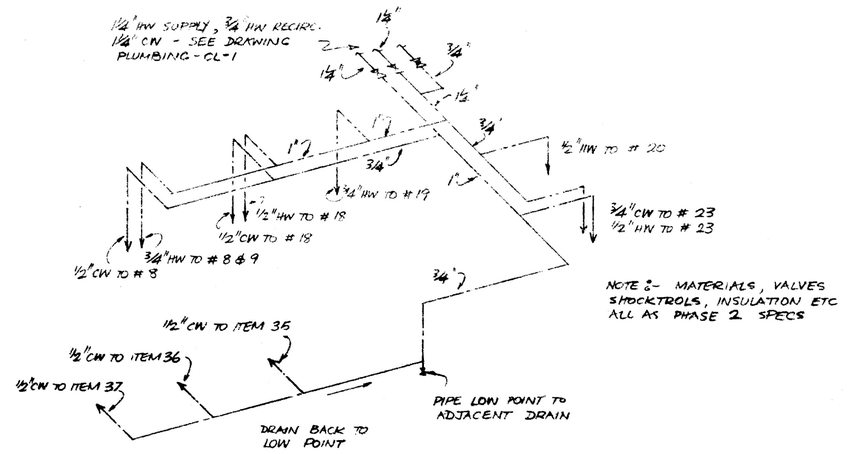
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couper ici
international A1 594 x 841 mm
inches 0 1 2 3 4 5 6 7 8 pouces



KITCHEN PLAN SCALE ¼" 1 FOOT

NOTES

1. READ THIS DRAWING IN CONJUNCTION WITH RUSSELL FOODS DRAWINGS NO
   3497-1
   3497-2
   3497-3
   3497-4
2. PROVIDE REFRIGERATION CONDUITS AS CALLED FOR ON THE ABOVE NOTED DRAWINGS
3. CONNECT EXISTING 12"x12" KITCHEN EXHAUST DUCT TO "CLEAN AIR" HOOD
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KITCHEN WATER PIPING SCHEMATIC
NTS

Public Works Canada / Travaux publics Canada

office
bureau

consultant
expert-conseil

seal
sceau

designed by
conçu par L.G. FARRANT

drawn by
dessiné par L.G. FARRANT

approved by
approuvé par date

scale
échelle AS SHOWN

A detail no. no. du detail
B sheet no. – where detail required no. de la feuille – ou detail exige
C sheet no. – where detailed no. de la feuille – ou detaillé

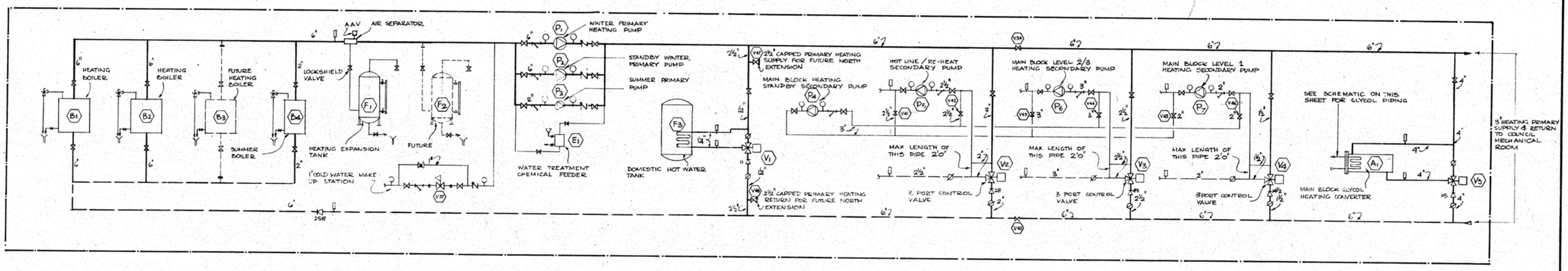
revisions
révisions

project
projet
TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE Y.T

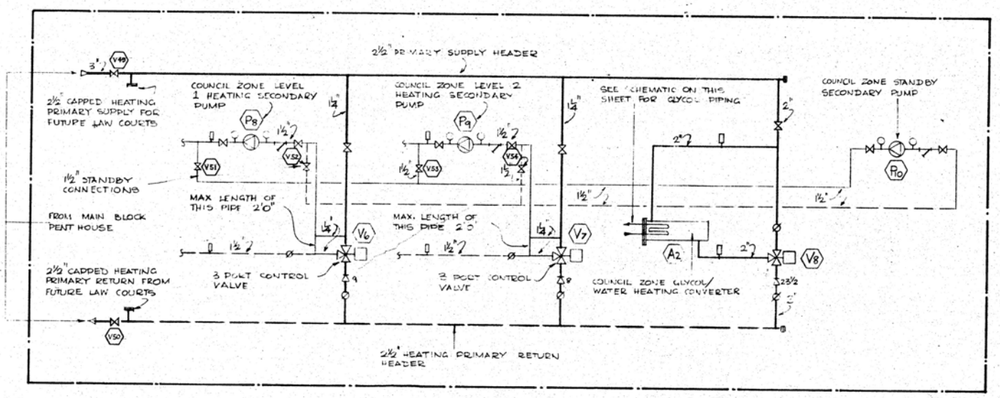
drawing
dessin
PLUMBING FOR APPROVED KITCHEN LAYOUT

project No. du projet	sheet No. de la feuille
89857	KIT. - R1

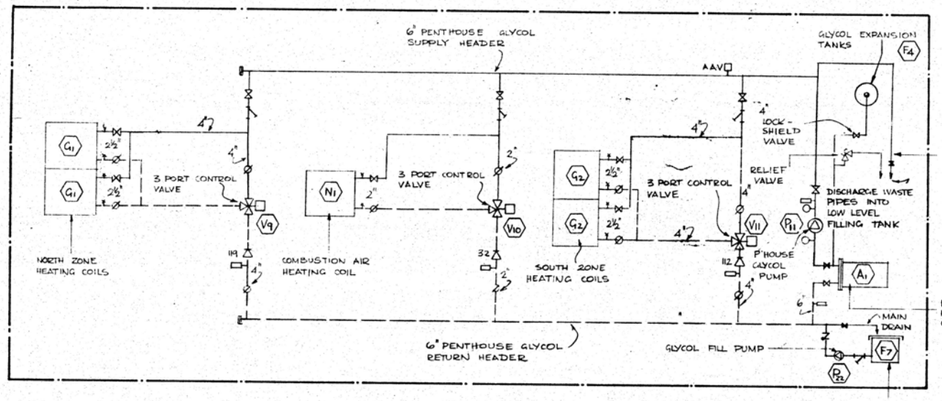
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MAIN BLOCK MECHANICAL ROOM —— HEATING



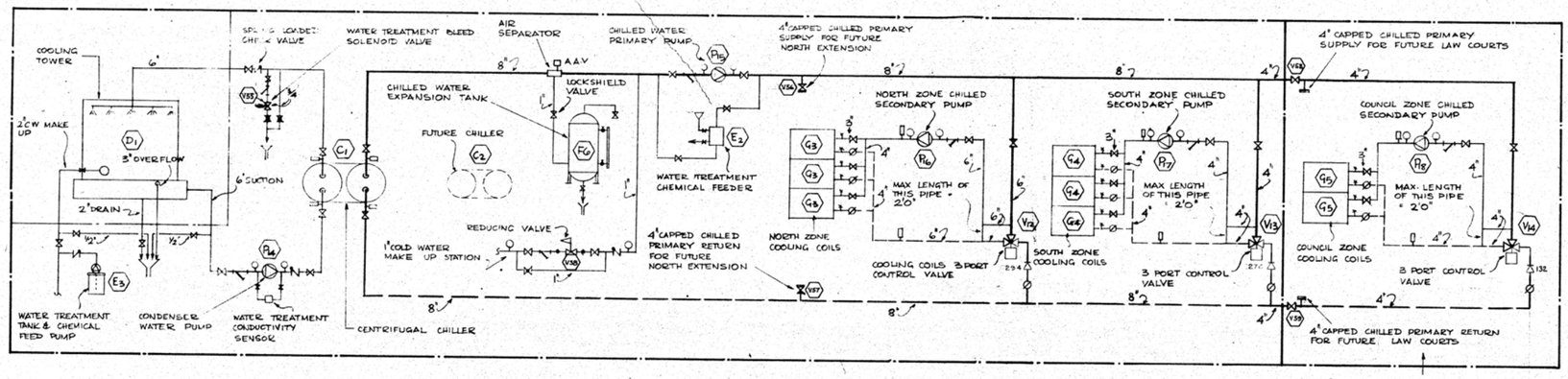
COUNCIL BLOCK MECHANICAL ROOM —— HEATING



MAIN BLOCK MECHANICAL ROOM —— GLYCOL

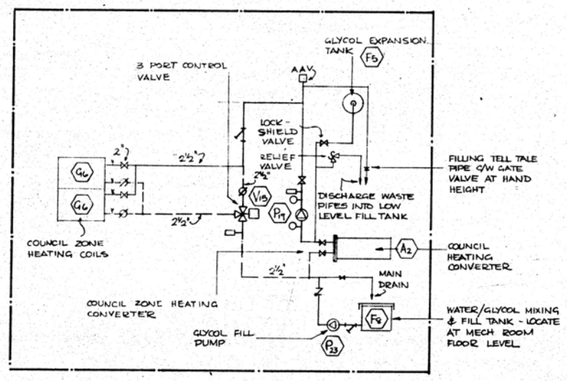
LEGEND

- PRESSURE GAUGE & COCK
- THERMOMETER
- GAUGE COCK (NO GAUGE)
- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- LUB. BALANCING COCK
- UNION
- STRAINER
- RELIEF VALVE
- FLOW MEASURING METER
- FUNNEL DRAIN
- SOLENOID VALVE
- 3 PORT CONTROL VALVE
- 2 PORT CONTROL VALVE
- PUMP
- SUPPLY PIPE
- RETURN PIPE
- EXPANSION GUIDE
- EXPANSION ANCHOR
- FIRE DAMPER
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- 15 — STEAM SUPPLY 15 PSIG
- (T)W WALL MOUNTED STAT
- (T)C CEILING " "



MAIN BLOCK MECHANICAL ROOM —— CHILLED WATER

COUNCIL BLOCK MECH ROOM - CHILLED



COUNCIL BLOCK MECHANICAL ROOM
GLYCOL

NO.	DATE	REVISIONS DESCRIPTION

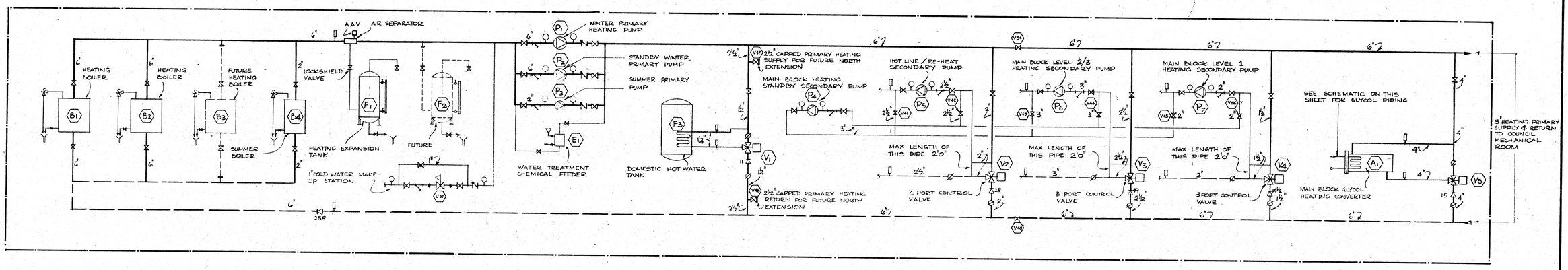
PROJECT NO. 69817
DATE: 1 APR 74
SCALE: NONE

GOVERNMENT OF THE YUKON TERRITORY

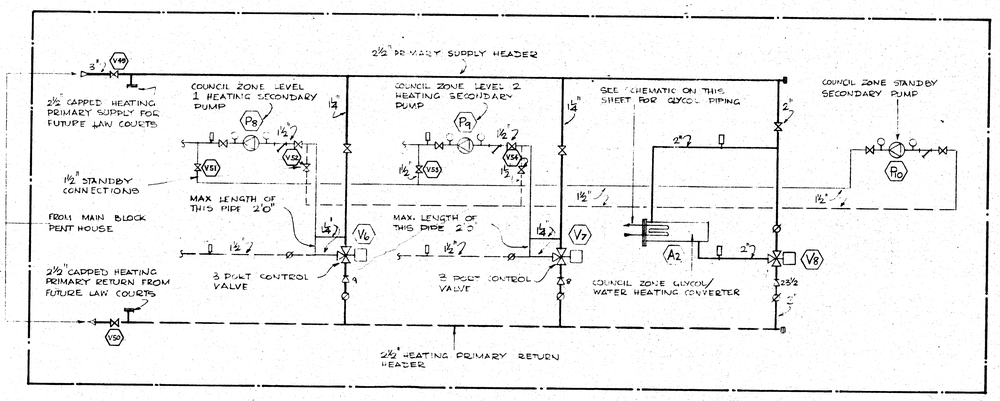
DRAWING TITLE: PIPING SCHEMATICS

PROJECT TITLE: TERRITORIAL ADMINISTRATION BUILDING, WHITEHORSE, Y.T.

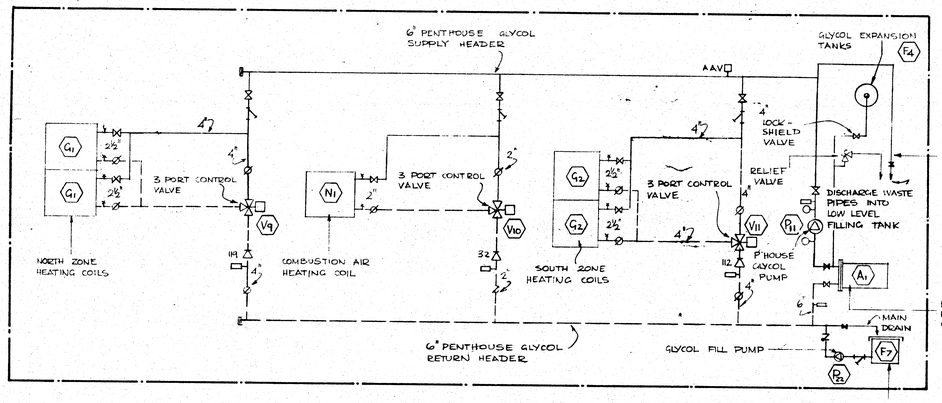
DRAWING NO. M 1



MAIN BLOCK MECHANICAL ROOM —— HEATING



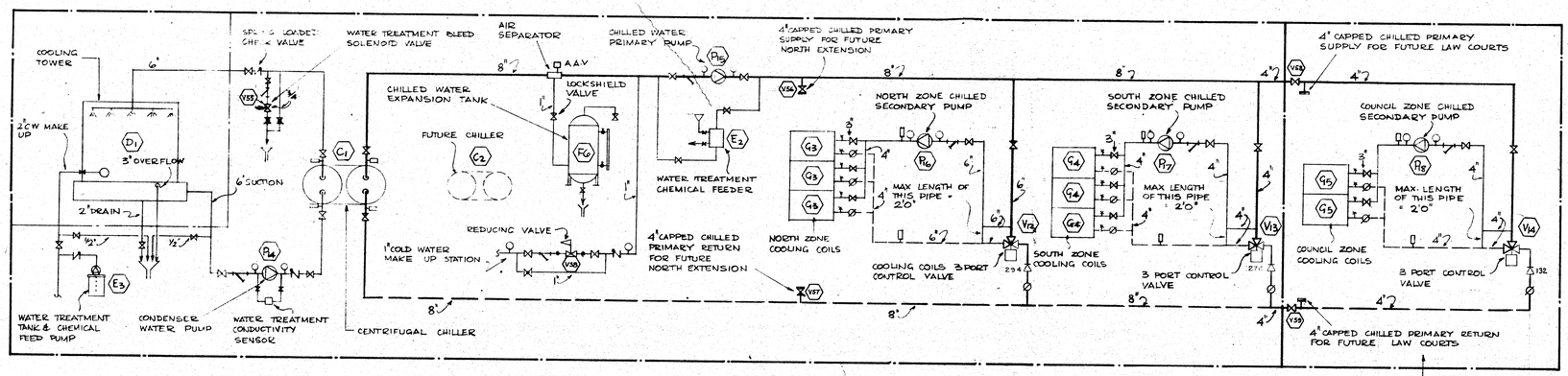
COUNCIL BLOCK MECHANICAL ROOM —— HEATING



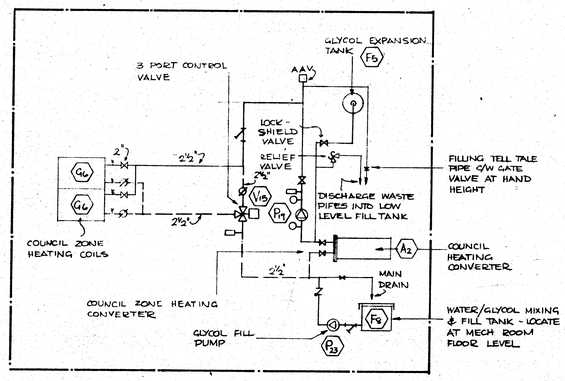
MAIN BLOCK MECHANICAL ROOM —— GLYCOL

LEGEND

- PRESSURE GAUGE & COCK
- THERMOMETER
- GAUGE COCK (NO GAUGE)
- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- LUB. BALANCING COCK
- UNION
- STRAINER
- RELIEF VALVE
- FLOW MEASURING METER
- FUNNEL DRAIN
- SOLENOID VALVE
- 3 PORT CONTROL VALVE
- 2 PORT CONTROL VALVE
- PUMP
- SUPPLY PIPE
- RETURN PIPE
- EXPANSION GUIDE
- EXPANSION ANCHOR
- FIRE DAMPER
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- 15 — STEAM SUPPLY 15 PSI G
- (T)W WALL MOUNTED STAT
- (T)C CEILING " "



MAIN BLOCK MECHANICAL ROOM —— CHILLED WATER



COUNCIL BLOCK MECHANICAL ROOM
GLYCOL

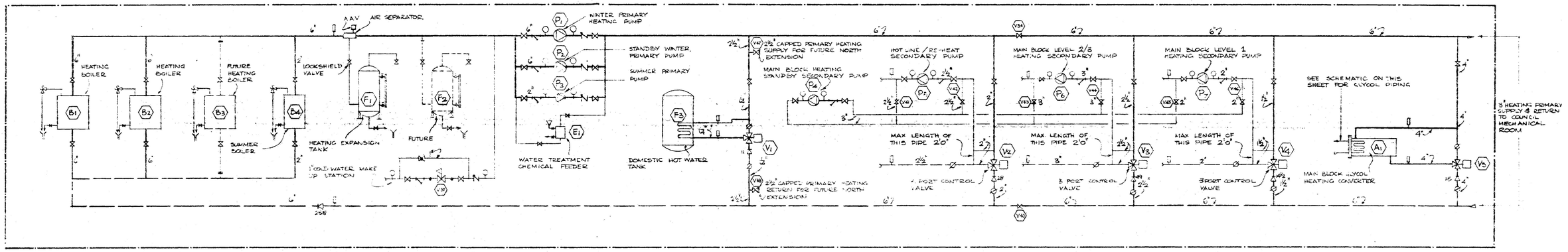
REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO. 89-817
DATE: 1 MAR 72
SCALE: NONE

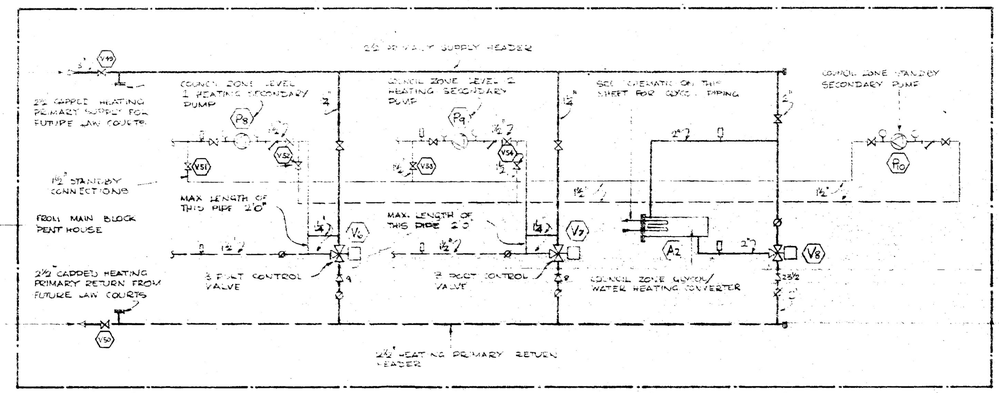
GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
PIPING SCHEMATICS
PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

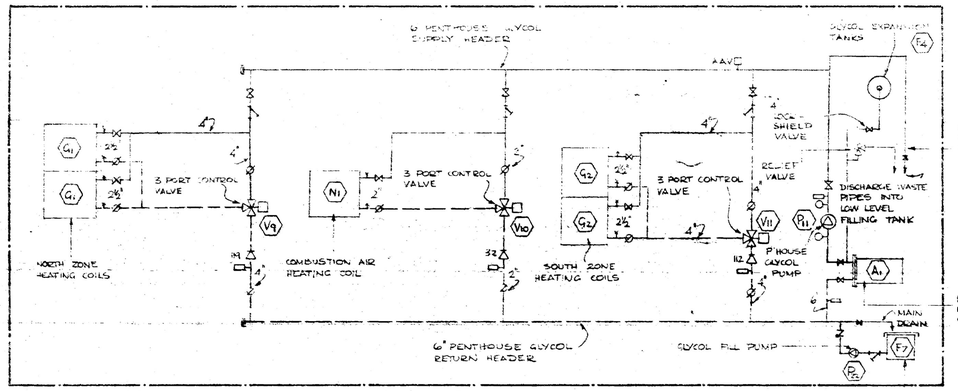
DRAWING NO.
M 1



MAIN BLOCK MECHANICAL ROOM —— HEATING



COUNCIL BLOCK MECHANICAL ROOM —— HEATING

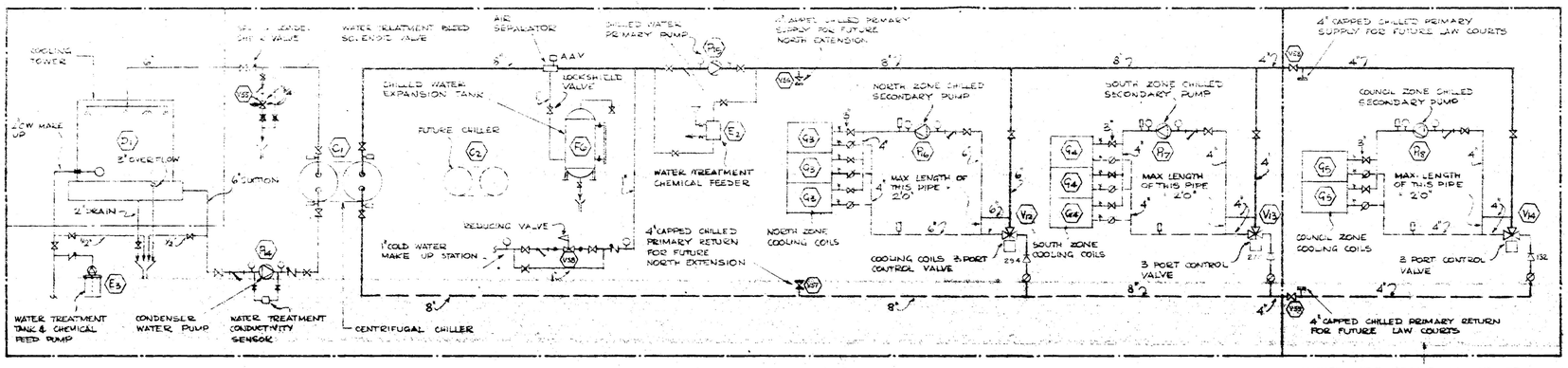


MAIN BLOCK MECHANICAL ROOM —— GLYCOL

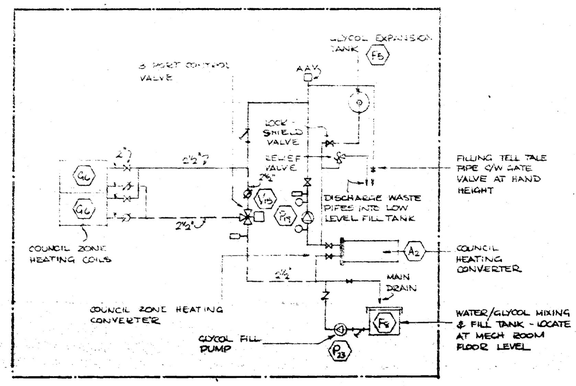
WATER/GLYCOL MIXING & FILL TANK - LOCATE AT PENTHOUSE FLOOR LEVEL.

LEGEND

- PRESSURE GAUGE & COCK
- THERMOMETER
- GAUGE COCK (NO GAUGE USE)
- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- HOSE END DRAINING COCK
- UNION
- STRAINER
- RELIEF VALVE
- FLOW MEASURING METER
- FUNNEL DRAIN
- SOLENOID VALVE
- 3 PORT CONTROL VALVE
- 2 PORT CONTROL VALVE
- PUMP
- SUPPLY PIPE
- RETURN PIPE
- EXPANSION GUIDE
- EXPANSION ANCHOR
- FD — FIRE DAMPER
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- 15 — STEAM SUPPLY 15 P.S.I.G.
- (T)W — WALL MOUNTED STAT
- (T)C — CEILING " "



MAIN BLOCK MECHANICAL ROOM —— CHILLED WATER



COUNCIL BLOCK MECHANICAL ROOM GLYCOL

	REVISIONS NO. DATE DESCRIPTION	PROJECT NO. 89857 DATE 1 APR. 74 SCALE NONE DRAWN APPROVED	GOVERNMENT OF THE YUKON TERRITORY	DRAWING TITLE PIPING SCHEMATICS PROJECT TITLE TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE, Y.T.	DRAWING NO. M 1

40" x 15'0" AT CONNECTION TO LOUVRE

COOLING TOWER DISCHARGE DUCT TO BE FULL SIZE OF TOWER OUTLET. TERMINATE LEVEL WITH PENTHOUSE ROOF WITH ANGLE IRON SURROUND & EXPANDED MESH BIRDSCREEN

FULL LENGTH ACCESS DOOR TO ALLOW REMOVAL OF TOWER ELIMINATORS

2" SUPPLY & RETURN TO UNIT HEATER

27" x 27" COMBUSTION AIR DUCT

EXHAUST LOUVRE

COOLING TOWER

VIBRATION RAILS BY TOWER SUPPLIER

FLEXIBLE CONNS.

STEAM TRAPS

COOLING COILS

HEATING COILS

SUPPLY AIR FAN

FILTERS

AIR BLENDERS

30" x 70" RETURN AIR DUCT

RETURN AIR DAMPER

RETURN AIR FAN

FRESH AIR DAMPER

30" x 70" RELIEF AIR DUCT

RELIEF AIR DAMPER

RELIEF LOUVRE

FLEXIBLE CONNECTION

90" x 50" RETURN AIR OPENING COVER OPEN END OF SILENCER WITH EXPANDED METAL MESH

30"x12" GENERAL EXHAUST
15"x8" WASHROOM EXHAUST
24"x12" KITCHEN EXHAUST

1" STEAM SUPPLY
2½" HOT LINE RETURN
2" LEVEL 2/3 RETURN
2" LEVEL 1 RETURN
¼" FUEL OIL SUCTION
¼" FUEL OIL RETURN

PROVIDE PLYWOOD BACKING ON PART OF TOWER INTAKE LOUVRE RESERVED FOR FUTURE TOWER

PROVIDE FIRE DAMPERS IN ALL DUCTS LAYERING VERTICAL SHAFTS

MINIMUM FRESH AIR DAMPER

REV 1

SEE DRAWING M3 FOR SILENCERS, VIBRATION EQUIPMENT, PLENUM INSULATION ETC.

SECTION A/M2

VENTS TERMINATE WITH 90° BENDS FACING DOWN

FRESH AIR INTAKE LOUVRE

1" INTERNAL INSULATION WHERE SHOWN CROSS HATCHED

FLEXIBLE CONNECTION (THERMAL BREAK)

FUTURE COOLING TOWER LOCATION - KEEP CLEAR

FLEXIBLE CONNECTOR (THERMAL BREAK)

NORTH ZONE RELIEF DAMPER

NORTH ZONE RELIEF LOUVRE

NORTH ZONE RETURN FAN

RETURN AIR PLENUM

SEE DRAWING M13 FOR SILENCER

70" x 50" RETURN DUCT FROM NORTH SHAFT BELOW

90" x 50"

CONCRETE CURB ALL AROUND DUCT & PIPE RISERS

POSITIVE PRESSURE RELIEF DOOR 2'6" SQ

SUCTION RELIEF DOOR 2'6" SQ

FRESH AIR DAMPER UNDER

FRESH AIR INTAKE PLENUM

RETURN AIR DAMPER

SOUTH ZONE RETURN FAN

SOUTH ZONE RELIEF DAMPER

SOUTH ZONE RELIEF LOUVRE

RETURN AIR PLENUM

SEE DRAWING M13 FOR SILENCER

70" x 50" RETURN DUCT FROM SOUTH SHAFT BELOW

90" x 50" DUCT

COOLING TOWER

EXHAUST LOUVRE

90" x 40"

REV. 2

BACKDRAFT DAMPERS

24"x12"
15"x8"
17½"

SUPPLY DUCT DOWN NORTH SHAFT

STEAM GRID HUMIDIFIER

COOLING COILS

HEATING COILS

FLEXIBLE CONN.

SUPPLY FAN

FILTERS

MIXING CHAMBER

COMBUSTION AIR UNIT

SWIVEL OUTLET NOZZLES

AIR BLENDERS

FREESTANDING AUTOMATIC CONTROL PANEL

SUPPLY FAN

FLEX. CONN.

HEATING COILS

COOLING COILS

40" x 40"

BOTTOM 2'5" OF THIS LOUVRE FOR BOILER ROOM RELIEF, B.D. DAMPER 29" x 17" AT LOUVRE

STEAM GRID HUMIDIFIER

GENERAL EXHAUST 57½"

WASHROOM EXHAUST

REV 2

BACKDRAFT DAMPERS 30"x15" 24" x 17" AT LOUVRE

SOUTH CHILLED SECONDARY PUMP

TOWER TREATMENT CHEMICAL TANK

CAP FOR FUTURE EXTENSION

NORTH CHILLED SECONDARY PUMP

CONDENSER WATER PUMP

FLEX. CONN. THERMAL BREAK

ELEC. PANEL DO NOT RUN PIPES OVER PANEL

ENGINEERS STAFF ROOM

ANCHORED FOR

EXPANSION SLIDES

EXPANSION LOOPS

KEEP CLEAR FOR DOMESTIC HOT & COLD PIPES

DOMESTIC H.W. TANK SEE PUMPING DRWG

ANCHORS

CHILLED WATER PUMP

REFRIGERANT & OIL TANK VENTS THROUGH EAST WALL

WATER CHILLER

FUTURE WATER CHILLER

WATER BOILER

WATER BOILER

FUTURE BOILER

SUMMER BOILER

STEAM BOILER

CONTROLS COMPRESSOR

CAP FOR FUTURE EXTENSION

STANDBY HEATING SECONDARY PUMP

HOT LINE SEC. HEATING PUMP

LEVEL 2/3 SEC. HEATING PUMP

LEVEL 1 SECONDARY HEATING PUMP

HEATING STANDBY CONNECTIONS

HYDRAULIC DIVIDE

PENTHOUSE GLYCOL CONVERTER

FILL PUMP

FILL TANK

CHILLED WATER EXPANSION TANK

AIR SEPARATOR

FUTURE EXP. TANK

T/W MAKE UP C/W STRAINER BYPASS ETC AS SHOWN ON SCHEMATIC DIAGRAMS

T/W MAKE UP C/W STRAINER BYPASS ETC AS SHOWN ON SCHEMATIC DIAGRAMS

AIR SEPARATOR

FUTURE EXPANSION TANK

HEATING EXPANSION TANK

WINTER PRIMARY PUMP

STANDBY

SUMMER PRIMARY PUMP

FLOWMETER

WORK BENCH FOR REPAIR WORK (TYP.)

SPARES STORAGE RACKS (TYP.)

MAIN BLOCK MECHANICAL ROOM PLAN

REVISIONS		
NO.	DATE	DESCRIPTION
1	30 AUG 74	ADD. A. MINIMUM FRESH AIR DAMPER ADDED
2	30 AUG 74	ADD. B. BACKDRAFT DAMPER LOCATIONS REVISED

Public Works Canada / Travaux publics Canada. Pacific Region

PROJECT NO. 6955

DATE: 1 AUG. 74 | SCALE: 1/4" = 1'

DRAWN: LGF | CHKD:

APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE: PENTHOUSE MECHANICAL ROOM PLAN & SECTION

PROJECT TITLE: TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE, Y.T.

DRAWING NO. M2 B

84

90" × 150" AT CONNECTION TO LOUVRE

COOLING TOWER DISCHARGE DUCT TO BE FULL SIZE OF TOWER OUTLET. TERMINATE LEVEL WITH PENTHOUSE ROOF WITH ANGLE IRON SURROUND & EXPANDED MESH BIRDSCREEN

FULL LENGTH ACCESS DOOR TO ALLOW REMOVAL OF TOWER ELIMINATORS

12" SUPPLY & RETURN TO UNIT HEATER

27"× 27" COMBUSTION AIR DUCT

EXHAUST LOUVRE

COOLING TOWER

VIBRATION RAILS BY TOWER SUPPLIER

FLEXIBLE CONNS

STEAM TRAPS

COOLING COILS

HEATING COILS

SUPPLY AIR FAN

FILTERS

AIR BLENDERS

90"× 70" RETURN AIR DUCT

RETURN AIR DAMPER

RETURN AIR FAN

FRESH AIR DAMPER

90"× 70" RELIEF AIR DUCT

RELIEF AIR DAMPER

RELIEF LOUVRE

FLEXIBLE CONNECTION

90"× 50" RETURN AIR OPENING - COVER OPEN END OF SILENCER WITH EXPANDED METAL MESH

30"× 12" GENERAL EXHAUST
15"× 18" WASHROOM EXHAUST
24"× 12" KITCHEN EXHAUST

1" STEAM SUPPLY
2½" HOT LINE RETURN
3" LEVEL 2/3 RETURN
2" LEVEL 1 RETURN
⅛" FUEL OIL SUCTION
⅛" FUEL OIL RETURN

MINIMUM FRESH AIR DAMPER

REV. 1

SEE DRAWING M13 FOR SILENCERS, VIBRATION EQUIPMENT, PLENUM INSULATION ETC

PROVIDE PLYWOOD BACKING ON PART OF TOWER INTAKE LOUVRE RESERVED FOR FUTURE TOWER

PROVIDE FIRE DAMPERS IN ALL DUCTS ENTERING VERTICAL SHAFTS

VENTS - TERMINATE WITH 90° BENDS FACING DOWN

SECTION A / M2

FUTURE COOLING TOWER LOCATION - KEEP CLEAR

FLEXIBLE CONNECTOR (THERMAL BREAK)

NORTH ZONE RELIEF DAMPER

NORTH ZONE RELIEF LOUVRE

RETURN AIR PLENUM

NORTH ZONE RETURN FAN

SEE DRAWING M13 FOR SILENCER

70"× 50" RETURN DUCT FROM NORTH SHAFT BELOW

90"× 50"

POSITIVE PRESSURE RELIEF DOOR 26" SQ

70"× 50"

SUCTION RELIEF DOOR 26" SQ

FRESH AIR INTAKE LOUVRE

FRESH AIR INTAKE PLENUM

FRESH AIR DAMPER UNDER

RETURN AIR DAMPER

FRESH AIR DAMPER UNDER

RETURN AIR DAMPER

70"× 50"

SOUTH ZONE RETURN FAN

SOUTH ZONE RELIEF DAMPER

SOUTH ZONE RELIEF LOUVRE

RETURN AIR PLENUM

SEE DRAWING M13 FOR RETURN SILENCER

70"× 50" RETURN DUCT FROM SOUTH SHAFT BELOW

90"× 50" DUCT

1" INTERNAL INSULATION WHERE SHOWN CROSS HATCHED

FLEXIBLE CONNECTION (THERMAL BREAK)

CONCRETE CURB ALL AROUND DUCT & PIPE RISERS

90"× 40"

EXHAUST LOUVRE

COOLING TOWER

24"× 12"
15"× 18"

BACKDRAFT DAMPERS

SUPPLY DUCT DOWN NORTH SHAFT

STEAM GRID HUMIDIFIER

COOLING COILS

HEATING COILS

FLEXIBLE CONN.

SUPPLY FAN

FILTERS

MIXING CHAMBER

AIR BLENDERS

COMBUSTION AIR UNIT

SWIVEL-OUTLET NOZZLES

FREESTANDING AUTOMATIC CONTROL PANEL

MIXING CHAMBER

FILTERS

SUPPLY FAN

FLEX. CONN.

HEATING COILS

COOLING COILS

90"× 40"

BOTTOM 2'6" OF THIS LOUVRE FOR BOILER ROOM RELIEF, B.D. DAMPER 28"× 17" AT LOUVRE

STEAM GRID HUMIDIFIER

GENERAL EXHAUST 57½

WASHROOM EXHAUST 57½

BACKDRAFT DAMPERS 720"× 15" 224"× 17" AT LOUVRE

SOUTH CHILLED SECONDARY PUMP

28"× 12"

TOWER TREATMENT CHEMICAL TANK

CONDENSER WATER PUMP

FLEX. CONN. THERMAL BREAK

CAP FOR FUTURE EXTENSION

NORTH CHILLED SECONDARY PUMP

ANCHORS

EXPANSION GUIDES

EXPANSION LOOPS

KEEP CLEAR FOR DOMESTIC HOT & COLD PIPES

DOMESTIC H.W. TANK SEE PLUMBING DRWGS

ELEC. PANEL. DO NOT RUN PIPES OVER PANEL

ENGINEERS STAFF ROOM

CHILLED WATER PUMP

I.C.W. MAKE UP S/W STRAINER, BYPASS ETC AS SHOWN ON SCHEMATIC DIAGRAMS

CHILLED WATER EXPANSION TANK

AIR SEPARATOR

FUTURE EXP. TANK

WATER CHILLER

REFRIGERANT & OIL TANK VENTS THROUGH EAST WALL

FUTURE WATER CHILLER

WATER BOILER

WATER BOILER

FUTURE BOILER

SUMMER BOILER

STEAM BOILER

I.C.W. MAKE UP S/W STRAINER, BYPASS ETC AS SHOWN ON SCHEMATIC DIAGRAMS

CAP 6"

AIR SEPARATOR

CONTROLS COMPRESSOR

CAP FOR FUTURE EXTENSION

STANDBY HEATING SECONDARY PUMP

FLOWMETER

HOT LINE SEC. HEATING PUMP

LEVEL 2/3 SEC. HEATING PUMP

LEVEL 1 SECONDARY HEATING PUMP

HEATING STANDBY CONNECTIONS

GLYCOL PUMP

FILL PUMP

FILL TANK

PENTHOUSE GLYCOL CONVERTER

SPARES STORAGE RACKS (N.I.C)

WORK BENCH FOR REPAIR WORK (N.I.C)

FUTURE EXPANSION TANK

HEATING EXPANSION TANK

WINTER PRIMARY PUMP

STANDBY

SUMMER PRIMARY PUMP

MAIN BLOCK MECHANICAL ROOM PLAN

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION
1	30 AUG 74	ADD. A MINIMUM FRESH AIR DAMPER ADDED
2	30 AUG 74	ADD. B BACKDRAFT DAMPER LOCATIONS REVISED

PROJECT NO. 89857
DATE 1 APR. 74
SCALE 1/4" = 1'-0"
DRAWN LGF
CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
PENTHOUSE MECHANICAL ROOM PLAN & SECTION

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

DRAWING NO.
M 2
B

90" × 150" AT CONNECTION TO LOUVRE

COOLING TOWER DISCHARGE DUCT TO BE FULL SIZE OF TOWER OUTLET. TERMINATE LEVEL WITH PENTHOUSE ROOF WITH ANGLE IRON SURROUND & EXPANDED MESH BIRDSCREEN

FULL LENGTH ACCESS DOOR TO ALLOW REMOVAL OF TOWER ELIMINATORS

½" SUPPLY & RETURN TO UNIT HEATER

27" × 27" COMBUSTION AIR DUCT

EXHAUST LOUVRE

COOLING TOWER

VIBRATION RAILS BY TOWER SUPPLIER

FLEXIBLE CONNS

STEAM TRAPS

COOLING COILS

HEATING COILS

SUPPLY AIR FAN

FILTERS

AIR BLENDERS

50" × 70" RETURN AIR DUCT

RETURN AIR DAMPER

RETURN AIR FAN

FRESH AIR DAMPER

50" × 70" RELIEF AIR DUCT

RELIEF AIR DAMPER

RELIEF LOUVRE

FLEXIBLE CONNECTION

90" × 50" RETURN AIR OPENING - COVER OPEN END OF SILENCER WITH EXPANDED METAL MESH

30" × 12" GENERAL EXHAUST
15" × 18" WASHROOM EXHAUST
24" × 12" KITCHEN EXHAUST

1" STEAM SUPPLY
2½" HOT LINE RETURN
3" LEVEL 2/3 RETURN
2" LEVEL 1 RETURN
½" FUEL OIL SUCTION
½" FUEL OIL RETURN

PROVIDE PLYWOOD BACKING ON PART OF TOWER INTAKE LOUVRE RESERVED FOR FUTURE TOWER

PROVIDE FIRE DAMPERS IN ALL DUCTS ENTERING VERTICAL SHAFTS

MINIMUM FRESH AIR DAMPER

REV. 1

SEE DRAWING M13 FOR SILENCERS, VIBRATION EQUIPMENT, PLENUM INSULATION ETC

SECTION A/M2

VENTS - TERMINATE WITH 90° BENDS FACING DOWN

FRESH AIR INTAKE LOUVRE

1" INTERNAL INSULATION WHERE SHOWN CROSS HATCHED

FLEXIBLE CONNECTION (THERMAL BREAK)

FUTURE COOLING TOWER LOCATION - KEEP CLEAR

FLEXIBLE CONNECTOR (THERMAL BREAK)

NORTH ZONE RELIEF DAMPER

NORTH ZONE RELIEF LOUVRE

RETURN AIR PLENUM

NORTH ZONE RETURN FAN

SEE DRAWING M13 FOR SILENCER

70" × 50" RETURN DUCT FROM NORTH SHAFT BELOW

90" × 50"

FRESH AIR DAMPER UNDER

RETURN AIR DAMPER

FRESH AIR INTAKE PLENUM

FRESH AIR DAMPER UNDER

RETURN AIR DAMPER

70" × 50"

SOUTH ZONE RETURN FAN

RETURN AIR PLENUM

SOUTH ZONE RELIEF DAMPER

SOUTH ZONE RELIEF LOUVRE

SEE DRAWING M13 FOR RETURN SILENCER

70" × 50" RETURN DUCT FROM SOUTH SHAFT BELOW

90" × 50" DUCT

POSITIVE PRESSURE RELIEF DOOR 26 SQ

SUCTION RELIEF DOOR 26 SQ

CONCRETE CURB ALL AROUND DUCT & PIPE RISERS

COOLING TOWER

EXHAUST LOUVRE

90" × 40"

24" × 12"
15" × 18"

BACKDRAFT DAMPERS

30" × 12"

SUPPLY DUCT DOWN NORTH SHAFT

STEAM GRID HUMIDIFIER

COOLING COILS

HEATING COILS

FLEXIBLE CONN.

SUPPLY FAN

AIR BLENDERS

FILTERS

COMBUSTION AIR UNIT

MIXING CHAMBER

SWIVEL OUTLET NOZZLES

FREESTANDING AUTOMATIC CONTROL PANEL

FLEX. CONN.

SUPPLY FAN

HEATING COILS

COOLING COILS

STEAM GRID HUMIDIFIER

90" × 40"

BOTTOM 2'6" OF THIS LOUVRE FOR BOILER ROOM RELIEF, B/D DAMPER 28" × 17" AT LOUVRE

GENERAL EXHAUST
WASHROOM EXHAUST
24" × 12"

BACKDRAFT DAMPERS 20" × 15" 24" × 17" AT LOUVRE

SOUTH CHILLED SECONDARY PUMP

TOWER TREATMENT CHEMICAL TANK

CONDENSER WATER PUMP

FLEX. CONN. THERMAL BREAK

CAP FOR FUTURE EXTENSION

NORTH CHILLED SECONDARY PUMP

ANCHORS

EXPANSION GUIDES

EXPANSION LOOPS

KEEP CLEAR FOR DOMESTIC HOT & COLD PIPES

DOMESTIC H.W. TANK SEE PLUMBING DRWGS

ANCHORS

ELEC. PANEL. DO NOT RUN PIPES OVER PANEL

ENGINEERS STAFF ROOM

CHILLED WATER PUMP

REFRIGERANT & OIL TANK VENTS THROUGH EAST WALL

1" CW MAKE UP C/W STRAINER, BYPASS ETC AS SHOWN ON SCHEMATIC DIAGRAMS

CHILLED WATER EXPANSION TANK

AIR SEPARATOR

FUTURE EXP. TANK

WATER CHILLER

FUTURE WATER CHILLER

WATER BOILER

WATER BOILER

FUTURE BOILER

SUMMER BOILER

STEAM BOILER

CAP 6"

CONTROLS COMPRESSOR

CAP FOR FUTURE EXTENSION

1" CW MAKE UP C/W STRAINER, BYPASS ETC AS SHOWN ON SCHEMATIC DIAGRAMS

AIR SEPARATOR

FUTURE EXPANSION TANK

HEATING EXPANSION TANK

WORK BENCH FOR REPAIR WORK (N.I.C)

STANDBY HEATING SECONDARY PUMP

WINTER PRIMARY PUMP

STANDBY

SUMMER PRIMARY PUMP

FLOWMETER

HEATING STANDBY CONNECTIONS

GLYCOL PUMP

FILL PUMP

FILL TANK

HOT LINE SEC. HEATING PUMP

LEVEL 2/3 SEC. HEATING PUMP

LEVEL 1 SECONDARY HEATING PUMP

PENTHOUSE GLYCOL CONVERTER

SPARES STORAGE RACKS (N.I.C)

MAIN BLOCK MECHANICAL ROOM PLAN

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION
1	30 AUG 74	ADD. A MINIMUM FRESH AIR DAMPER ADDED
2	30 AUG 74	ADD. B BACKDRAFT DAMPER LOCATIONS REVISED

PROJECT NO. 89857

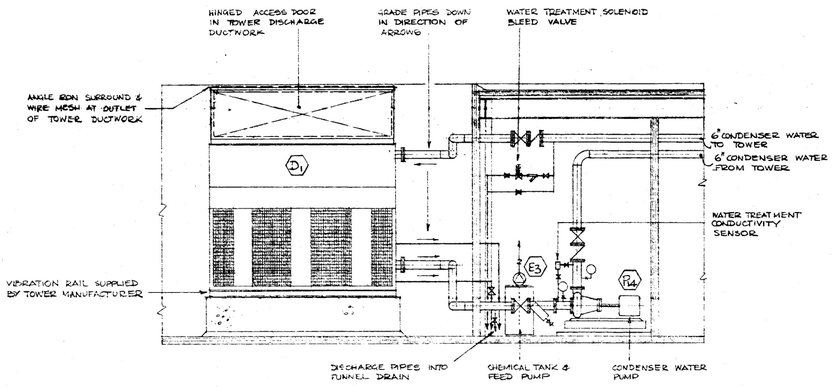
DATE	SCALE
1 APR. 74	1/4" = 1'-0"
DRAWN LGF	CHECK
APPROVED	

GOVERNMENT OF THE YUKON TERRITORY

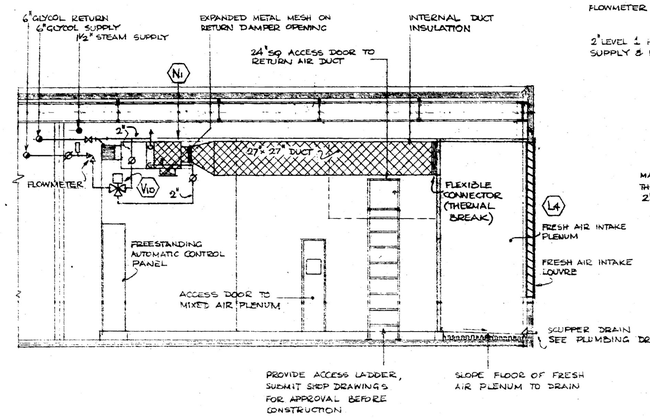
DRAWING TITLE
PENTHOUSE MECHANICAL ROOM PLAN & SECTION

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

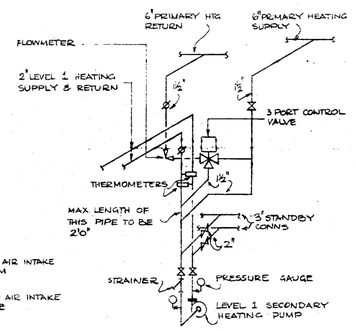
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M 2
B



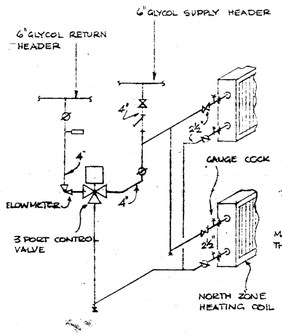
SECTION B M2



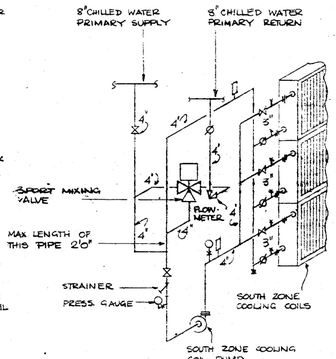
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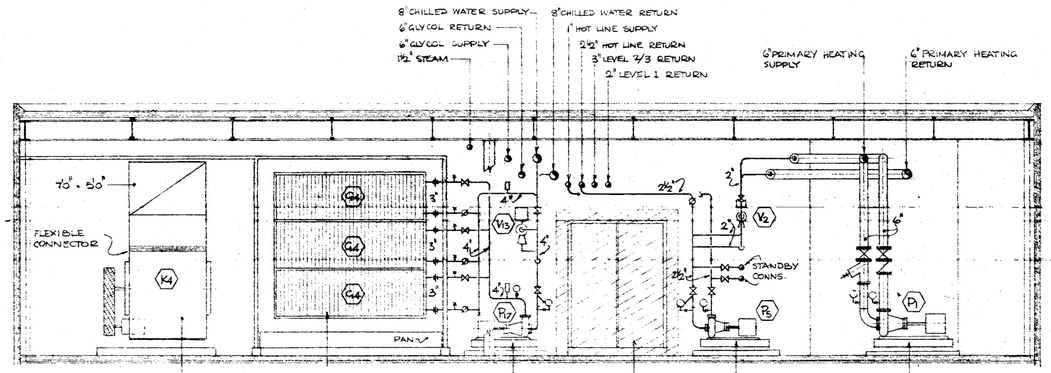
SCHEMATIC OF LEVEL-1 HEATING



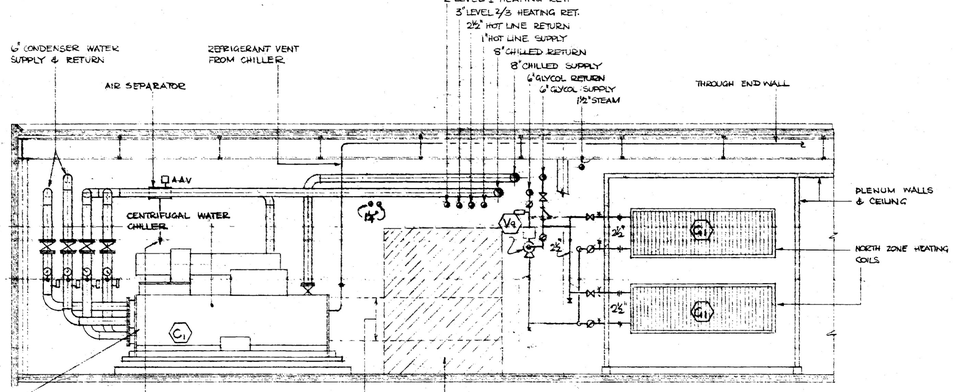
SCHEMATIC OF HEATING COIL PIPING



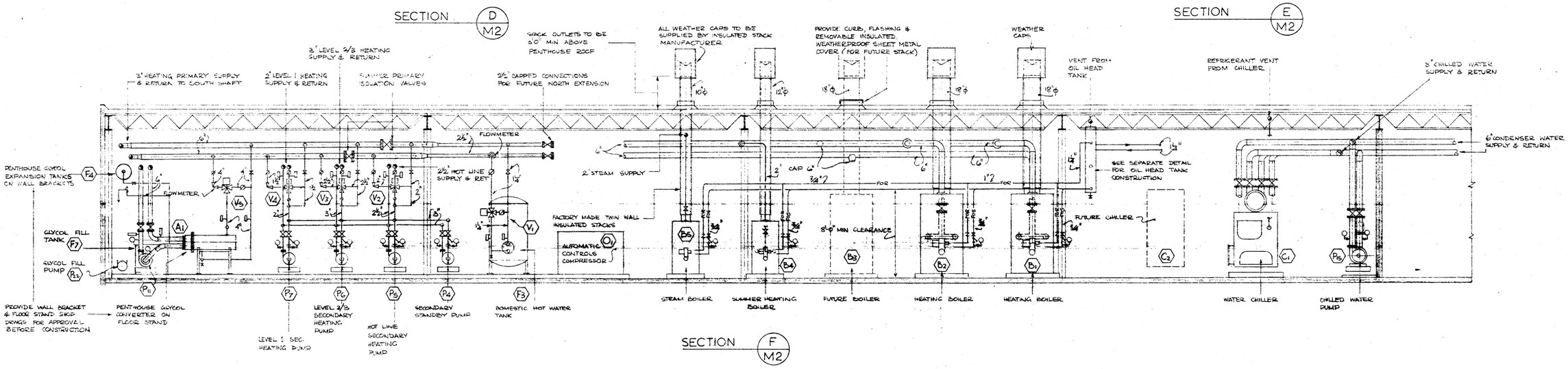
SCHEMATIC OF COOLING COIL PIPING



SECTION D M2



SECTION E M2



SECTION F M2

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO. 8985?

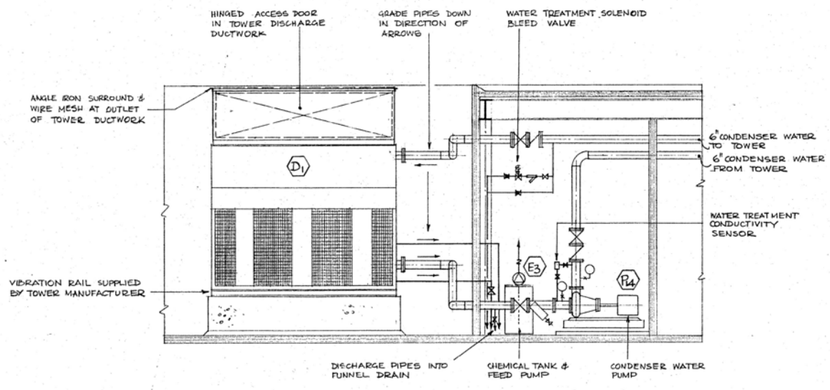
DATE	SCALE
1 APR. 74	¼" = 1'-0"
DRAWN	CHECK
L&F	
APPROVED	

GOVERNMENT OF THE YUKON TERRITORY

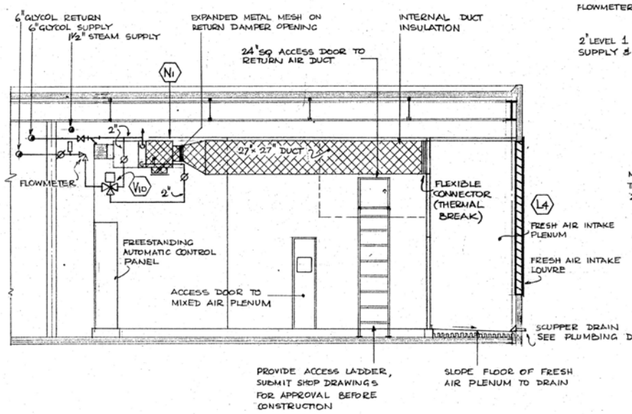
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PENTHOUSE MECHANICAL ROOM SECTIONS

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING
WHITEHORSE, Y.T.

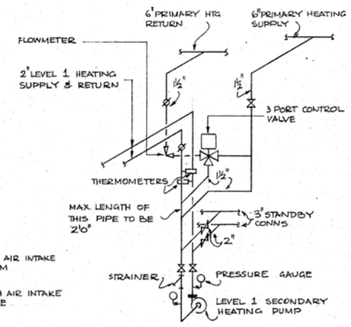
DRAWING NO.
M 3



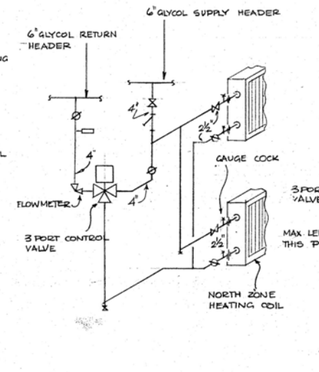
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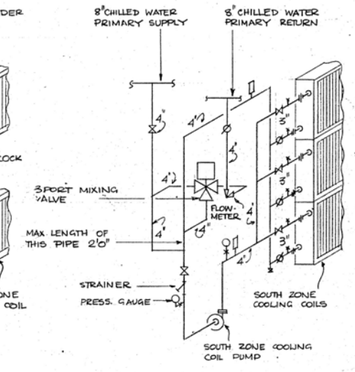
SECTION C M2



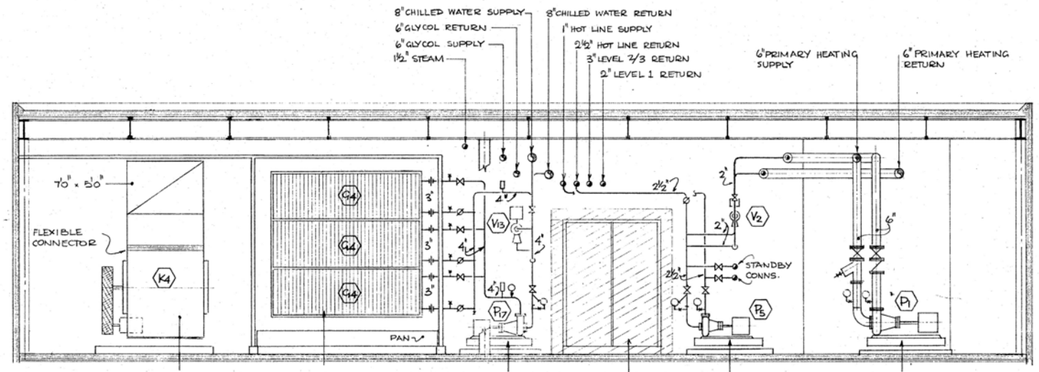
SCHEMATIC OF LEVEL-1 HEATING



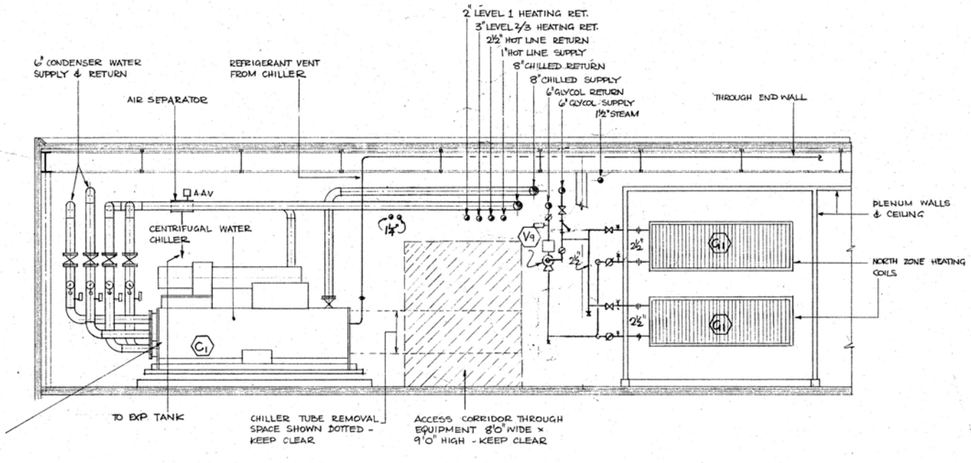
SCHEMATIC OF HEATING COIL PIPING



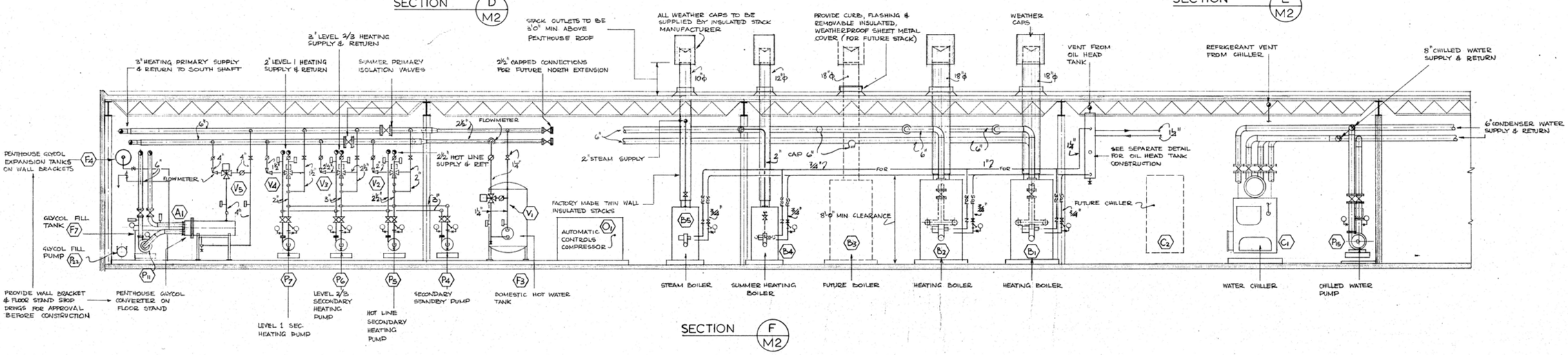
SCHEMATIC OF COOLING COIL PIPING



SECTION D M2



SECTION E M2



SECTION F M2

Public Works Travaux publics Canada Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION

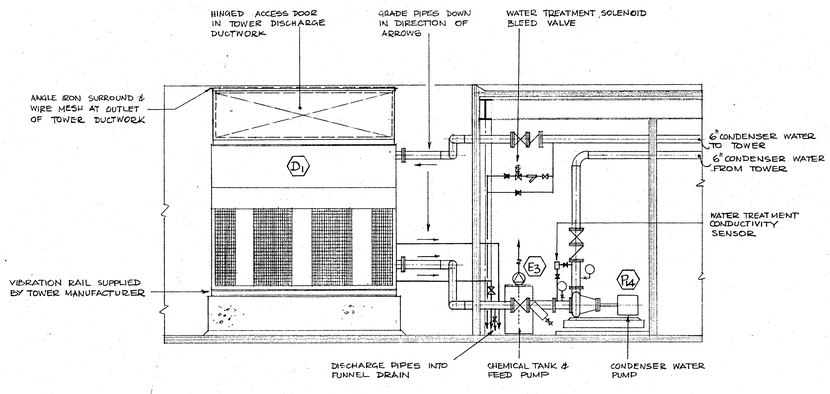
PROJECT NO. 89857.
DATE 1 APR. 74 | SCALE 1/4" = 1'-0"
DRAWN LGF | CHECK
APPROVED

GOVERNMENT OF THE YUKON TERRITORY

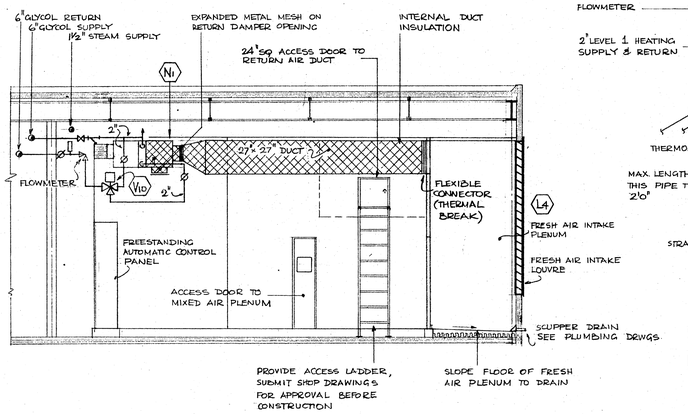
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PENTHOUSE MECHANICAL ROOM SECTIONS

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING, WHITEHORSE, Y.T.

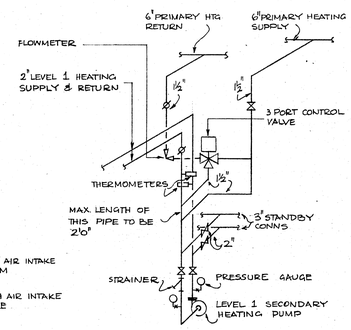
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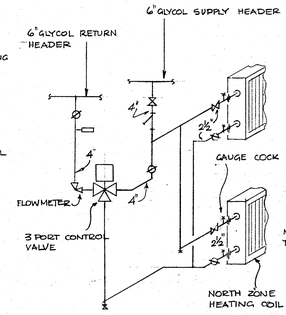
SECTION B M2



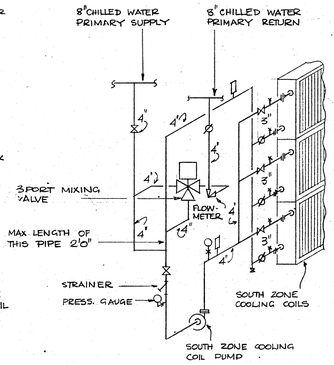
SECTION C M2



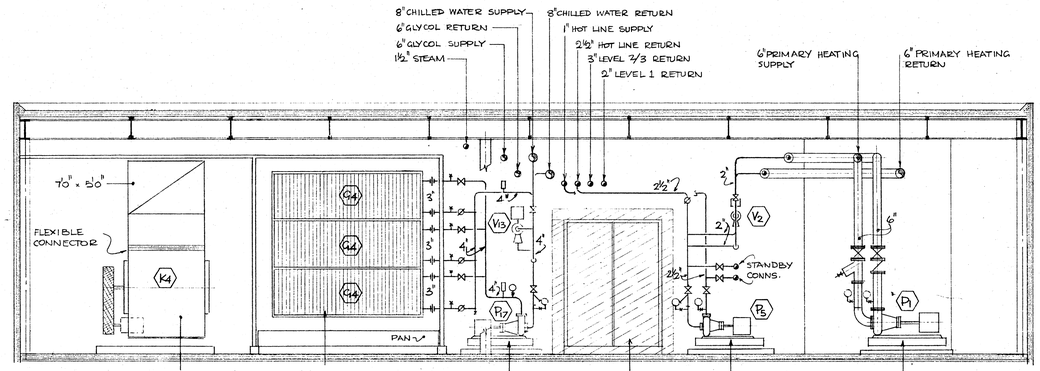
SCHEMATIC OF LEVEL-1 HEATING



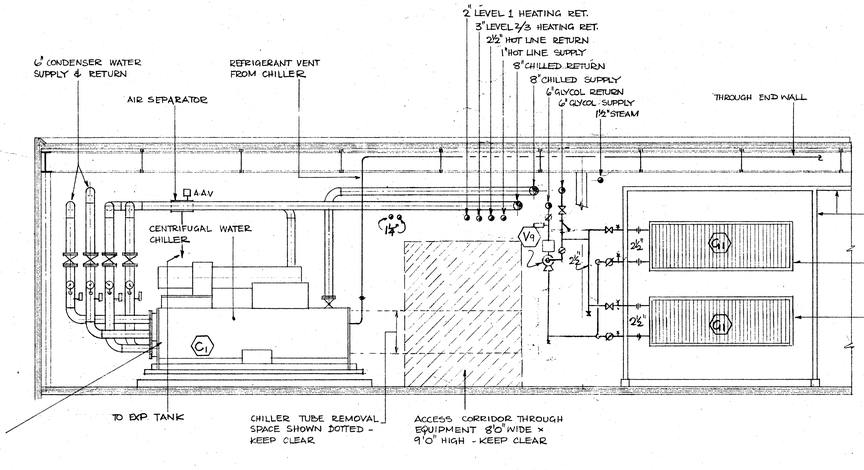
SCHEMATIC OF HEATING COIL PIPING



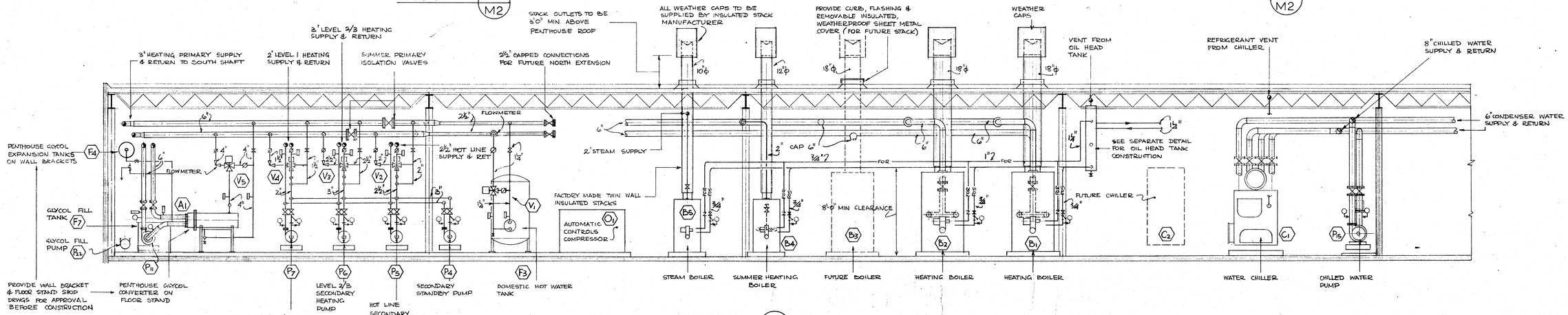
SCHEMATIC OF COOLING COIL PIPING



SECTION D M2



SECTION E M2



SECTION F M2

Public Works Travaux publics Canada Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO. 89857.

DATE 1 APR. 74 | SCALE 1/4" = 1'-0"

DRAWN LGF | CHECK

APPROVED

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE

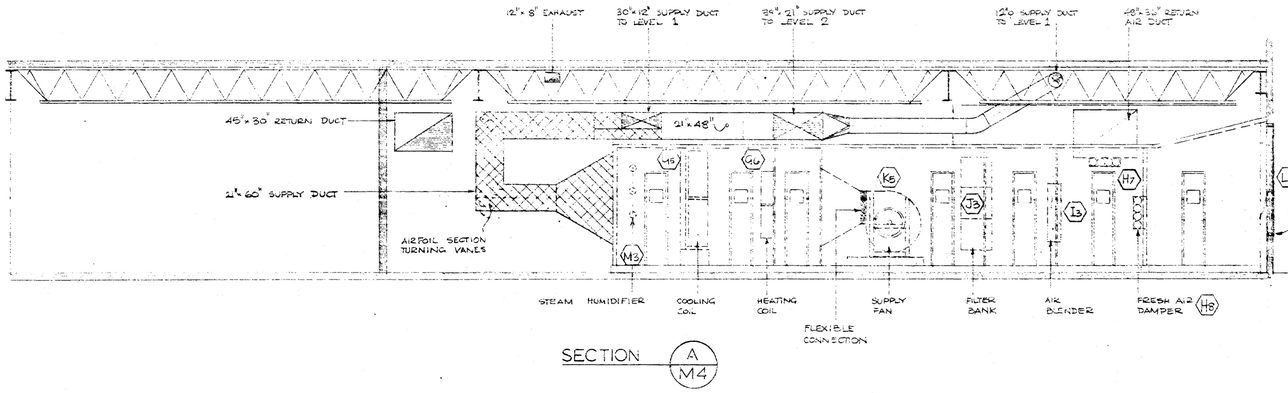
PENTHOUSE MECHANICAL ROOM SECTIONS

PROJECT TITLE

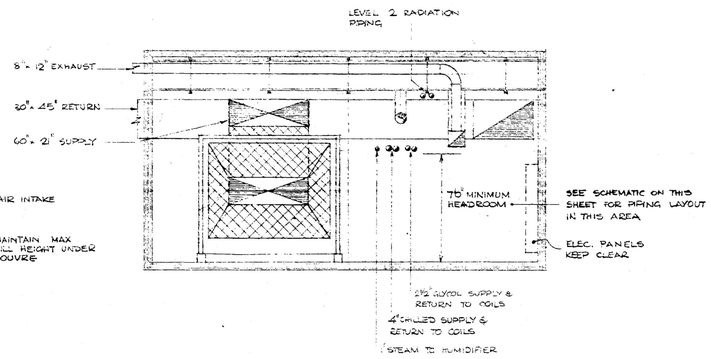
TERRITORIAL ADMINISTRATION BUILDING, WHITEHORSE, Y.T.

DRAWING NO.

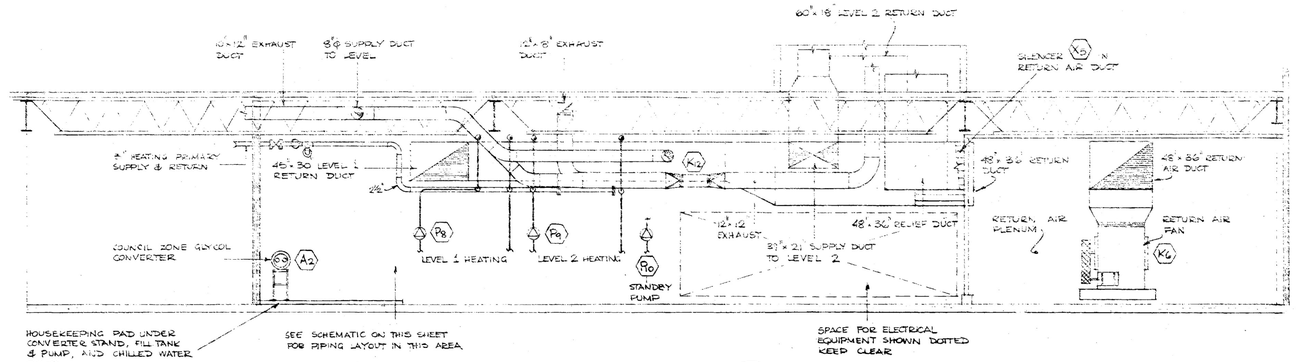
M 3



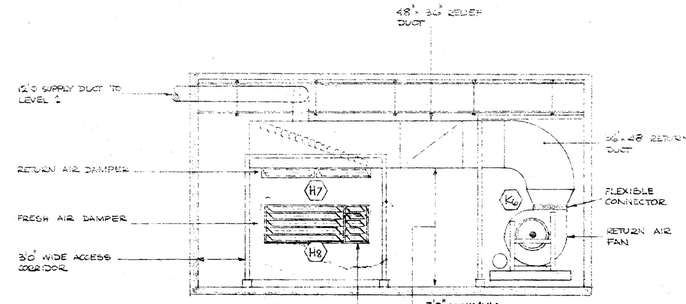
SECTION A M4



SECTION B M4



SECTION C M4

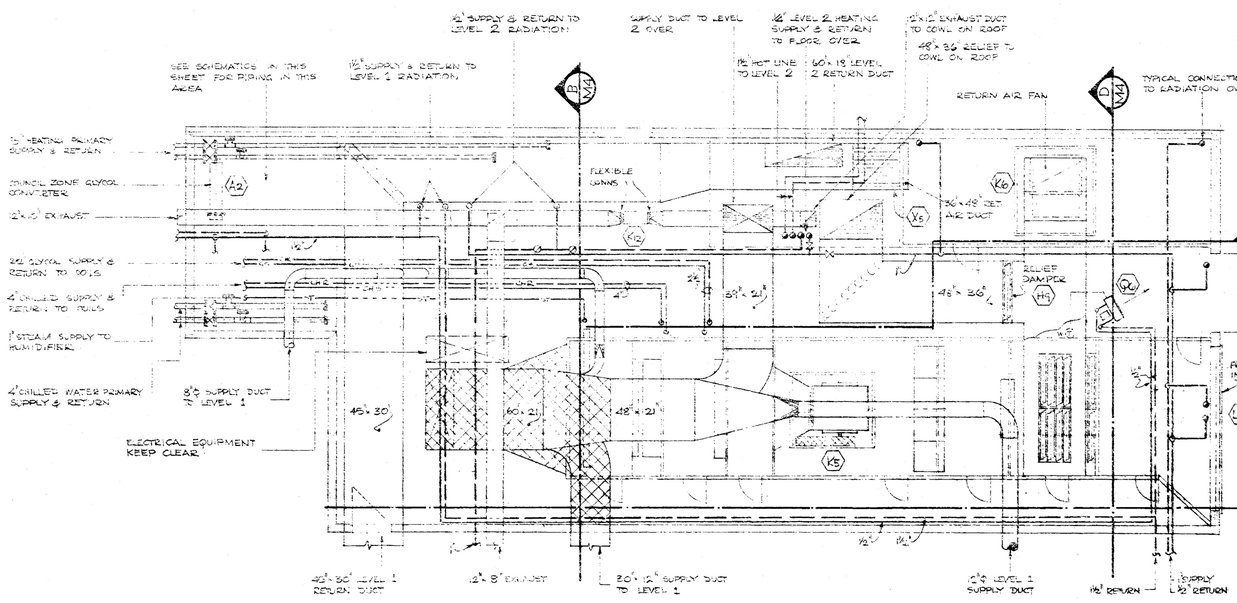


SECTION D M4

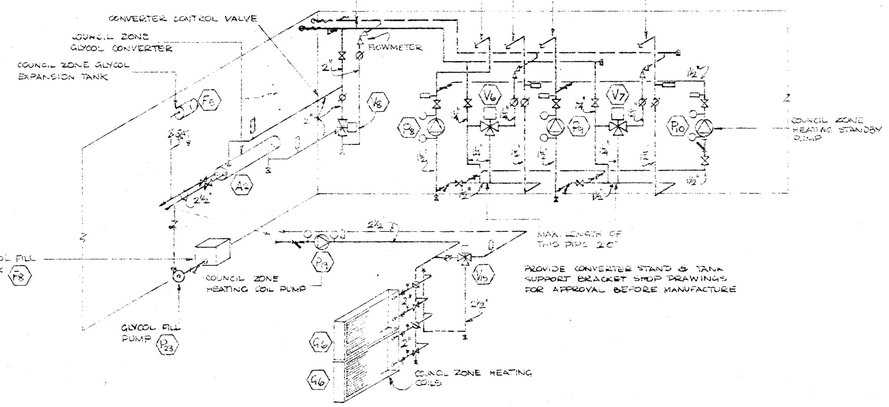
REV-1

2½" PRIMARY HEATING SUPPLY & RETURN

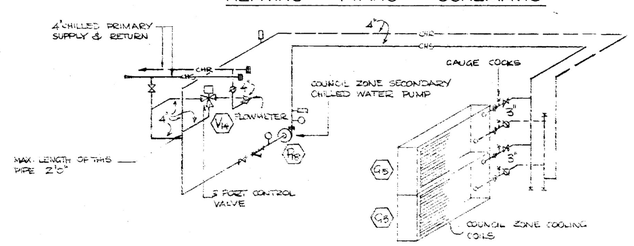
1½" LEVEL 1 RADIATION SUPPLY
1½" LEVEL 1 RADIATION RETURN
1½" LEVEL 2 RADIATION SUPPLY
1½" LEVEL 2 RADIATION RETURN



COUNCIL BLOCK MECHANICAL ROOM PLAN



HEATING PIPING SCHEMATIC



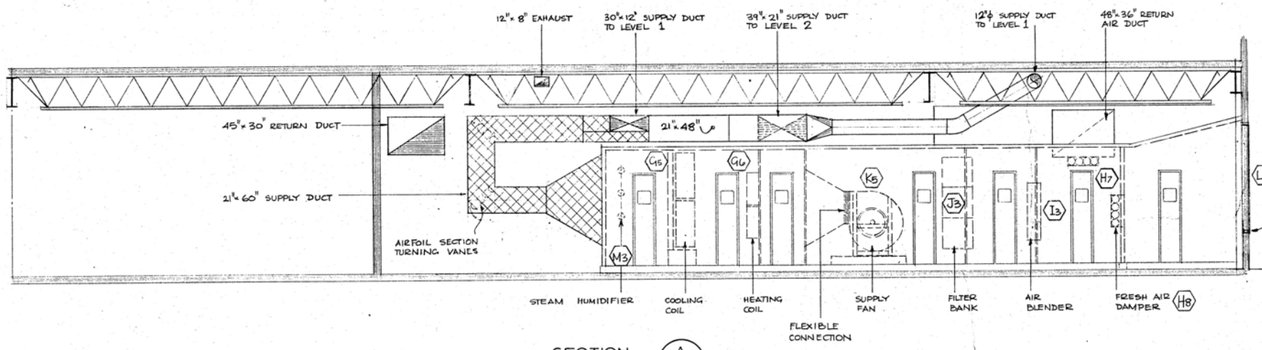
CHILLED WATER PIPING SCHEMATIC

Public Works Canada / Travaux publics Canada — Pacific Region	REVISIONS NO. DATE DESCRIPTION 1 80 AUG 74 ADD A MINIMUM FRESH AIR DAMPER ADDED	PROJECT NO. 8-2857 DATE SCALE 1 SEP 74 1/4"=1'-0" DRAWN CHECK LGF APPROVED	GOVERNMENT OF THE YUKON TERRITORY

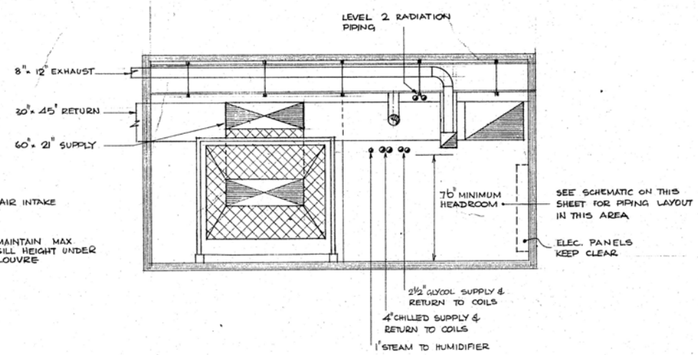
DRAWING TITLE: COUNCIL MECHANICAL ROOM PLAN & SECTIONS

PROJECT TITLE: TERRITORIAL ADMINISTRATION BUILDING, WHITEHORSE, Y.T.

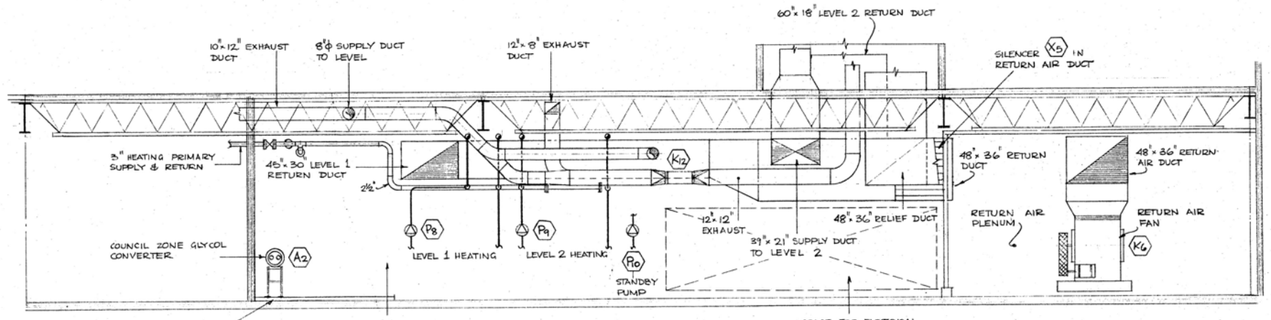
DRAWING NO: M 4 (A)



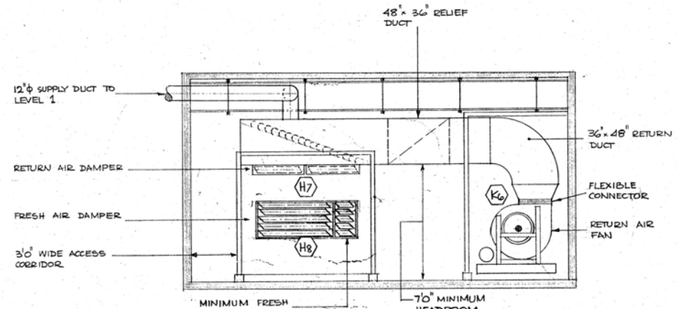
SECTION A M4



SECTION B M4

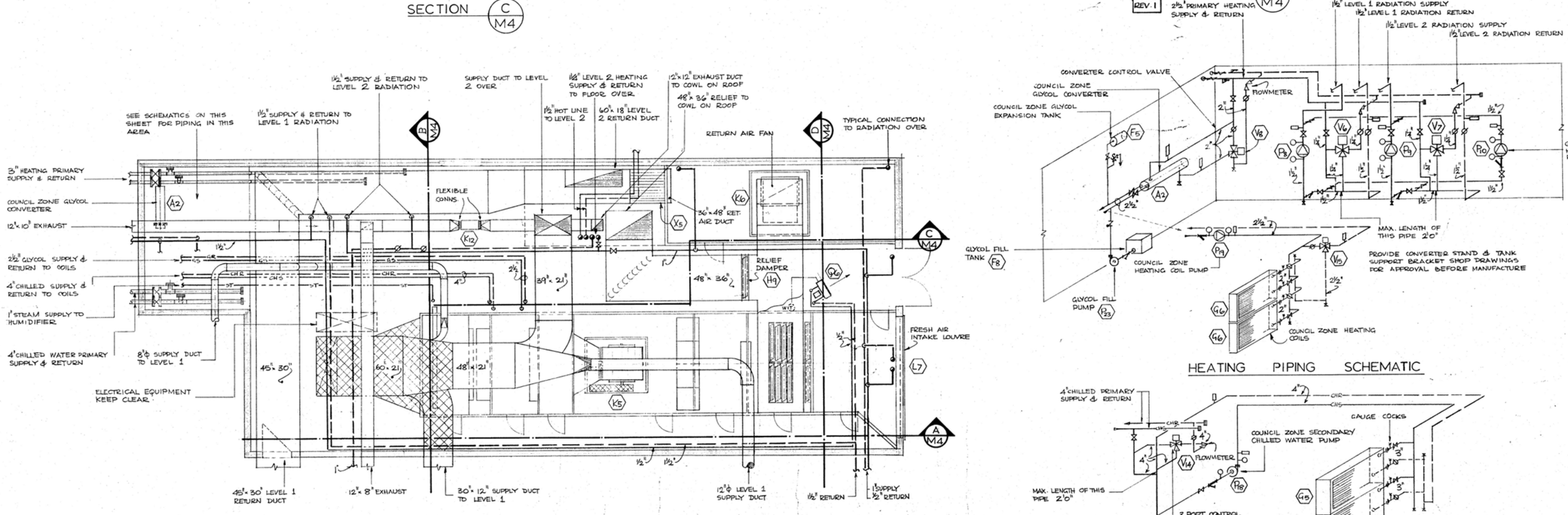


SECTION C M4

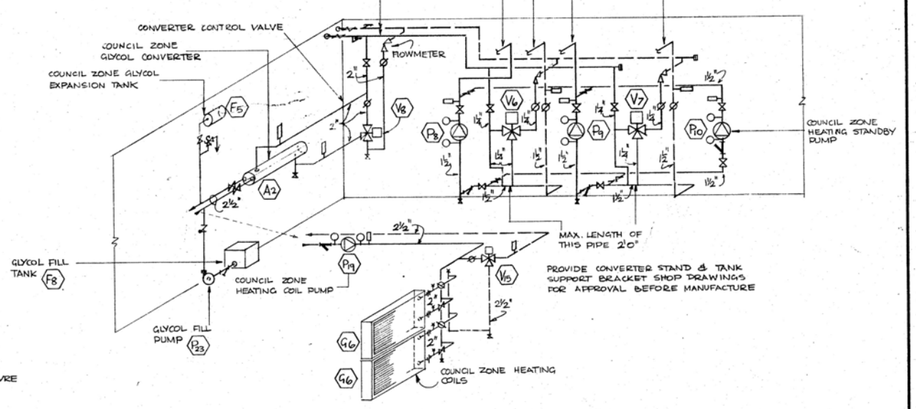


REV. 1

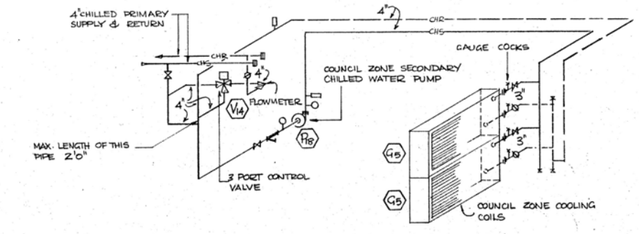
SECTION D M4



COUNCIL BLOCK MECHANICAL ROOM PLAN



HEATING PIPING SCHEMATIC



CHILLED WATER PIPING SCHEMATIC

Public Works Canada / Travaux publics Canada
Pacific Region

REVISIONS		
NO.	DATE	DESCRIPTION
1	30 AUG '74	ADD A MINIMUM FRESH AIR DAMPER ADDED

PROJECT NO. 8885?

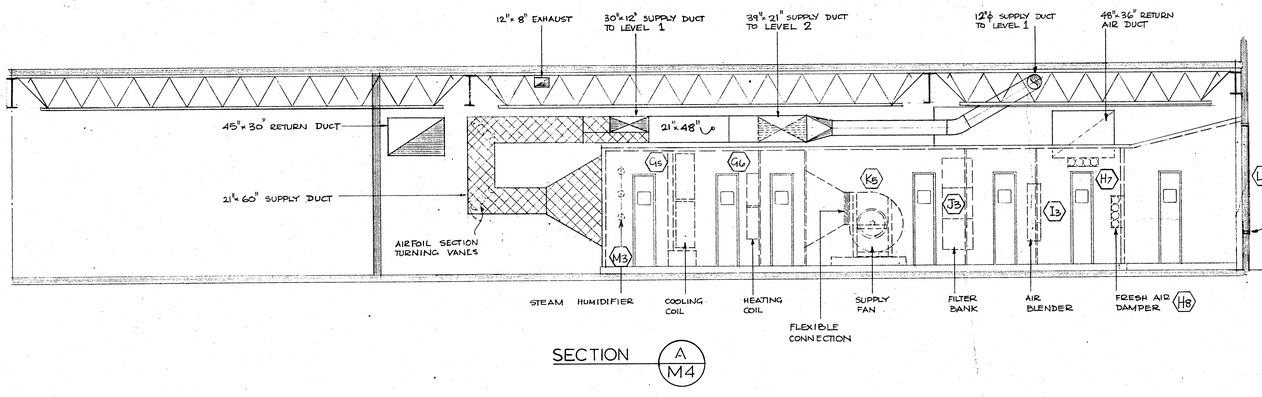
DATE	SCALE
1 APR. 74	1/4" = 1'-0"
DRAWN LGF	CHECK
APPROVED	

GOVERNMENT OF THE YUKON TERRITORY

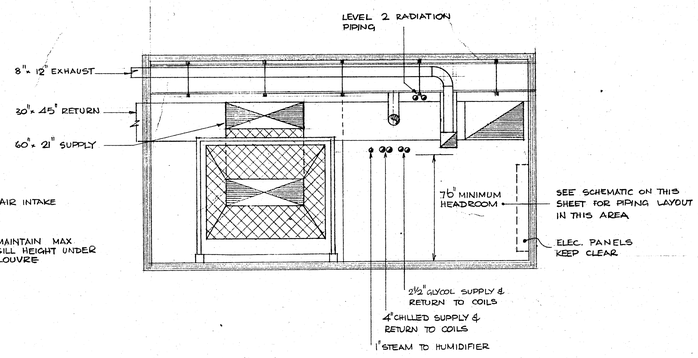
DRAWING TITLE
COUNCIL MECHANICAL ROOM PLAN & SECTIONS

PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING , WHITEHORSE, Y.T.

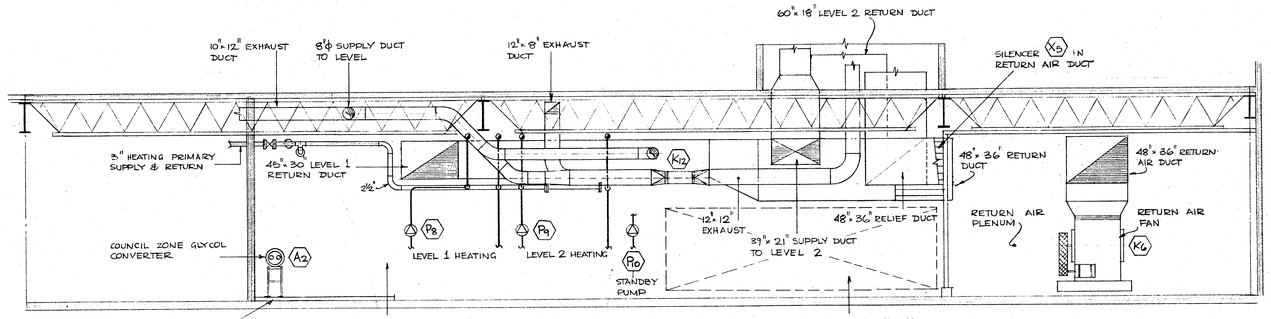
DRAWING NO.
M 4
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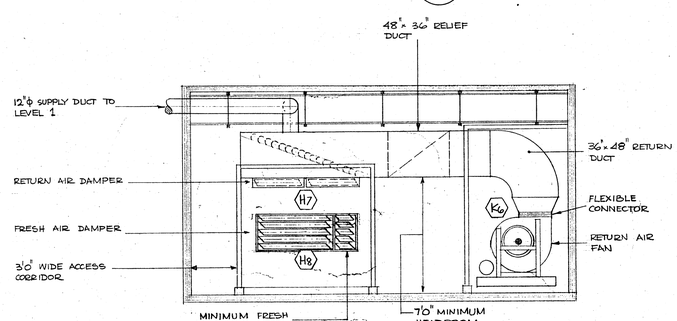
SECTION A M4



SECTION B M4

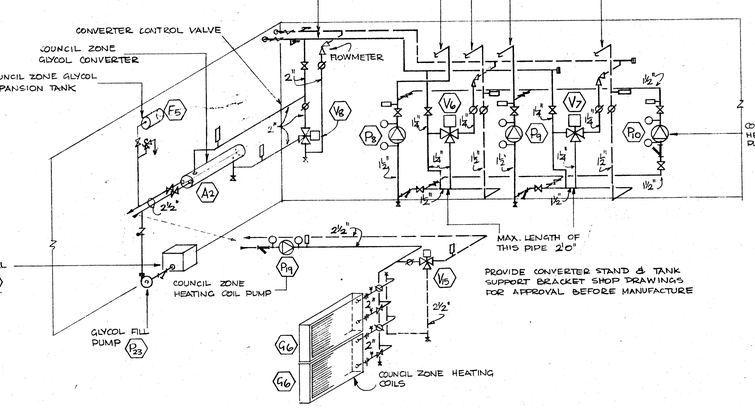


SECTION C M4

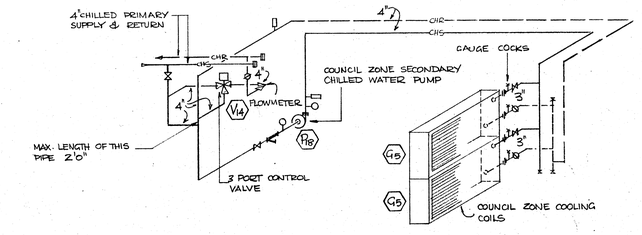


REV. 1

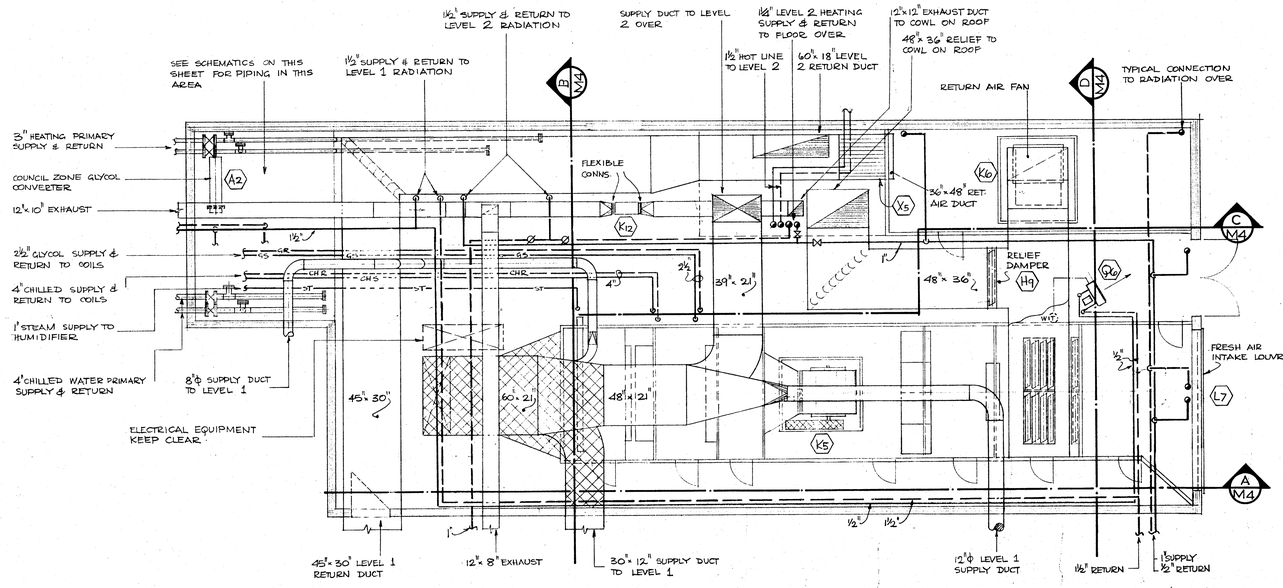
SECTION D M4



HEATING PIPING SCHEMATIC



CHILLED WATER PIPING SCHEMATIC



COUNCIL BLOCK MECHANICAL ROOM PLAN

REVISIONS		
NO.	DATE	DESCRIPTION
1	30 AUG 74	ADD A MINIMUM FRESH AIR DAMPER ADDED

Public Works Canada / Travaux publics Canada
Pacific Region

PROJECT NO. 8885?

DATE	SCALE
1 APR. 74	1/4" = 1'-0"
DRAWN LGF	CHECK
APPROVED	

GOVERNMENT OF THE YUKON TERRITORY

DRAWING TITLE
COUNCIL MECHANICAL ROOM PLAN & SECTIONS

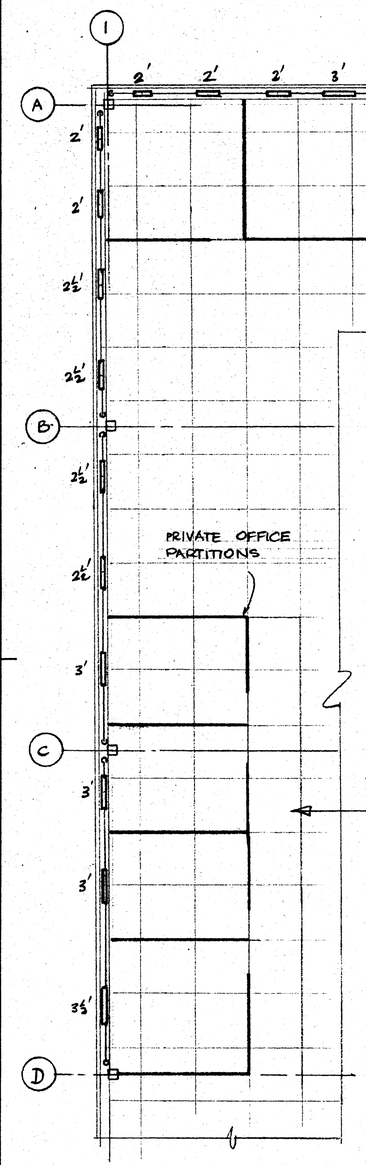
PROJECT TITLE
TERRITORIAL ADMINISTRATION BUILDING, WHITEHORSE, Y.T.

DRAWING NO.
M 4
A

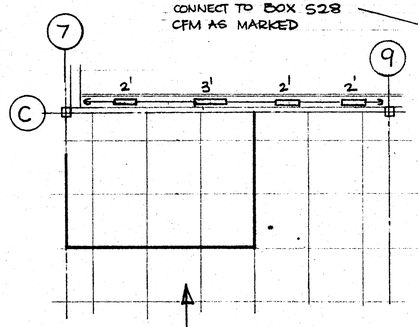
cut here
couper ici

international A2 420 x 594 mm

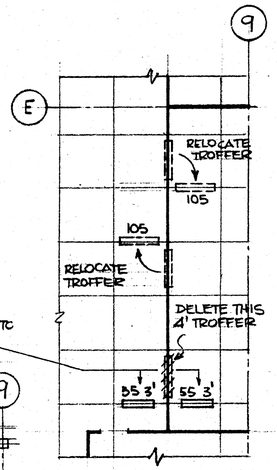
inches 0 1 2 3 4 5 6 7 8 pouces



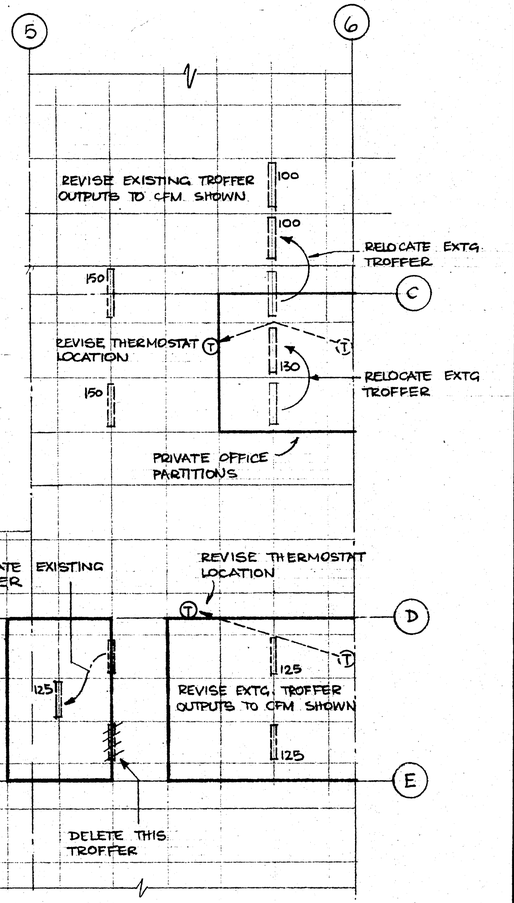
PART PLAN LEVEL
2 EAST 1/8" = 1FOOT

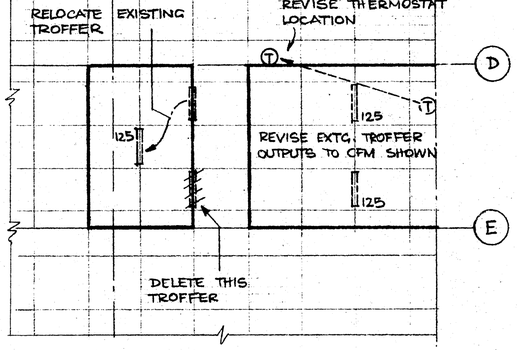


PART PLAN LEVEL
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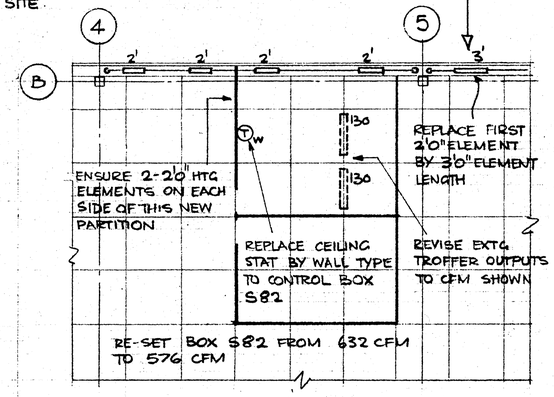
PART PLAN LEVEL
1 EAST 1/8"= 1FOOT





PART PLAN LEVEL 3 EAST 1/8" = 1FOOT

WHERE PERIMETER OFFICES ARE TO BE INSTALLED, REVISE RADIATION ELEMENT LENGTHS AS SHOWN. RE-USE EXISTING ELEMENTS WHERE POSSIBLE. LEAVE UNUSED ELEMENTS IN STORAGE ON SITE.



PART PLAN LEVEL 2 EAST 1/8"= 1FOOT

DPW A2

centimetres 0 2 4 6 8 10 12 14 16 18 20 centimètres

Public Works Canada / Travaux publics Canada

office
bureau

consultant
expert-conseil

seal
sceau

designed by
conçu par

drawn by
dessiné par

approved by
approuvé par

date

scale
échelle 1/8" = 1FOOT

A detail no. no. du détail
B sheet no. – where detail required no. de la feuille – où détail exigé
C sheet no. – where detailed no. de la feuille – où détaillé

revisions
révisions

HEATING, AIR CONDITIONING REVISIONS TO CO-ORDINATE SYSTEMS WITH FINISHING CONTRACT PARTITION LAYOUT

project
projet

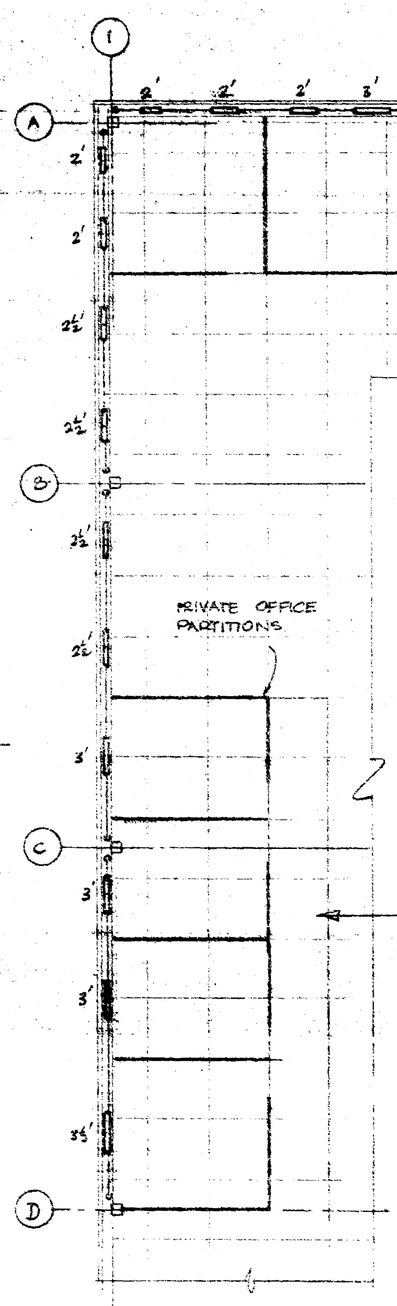
TERRITORIAL ADMINISTRATION BUILDING. WHITEHORSE Y.T

drawing
dessin

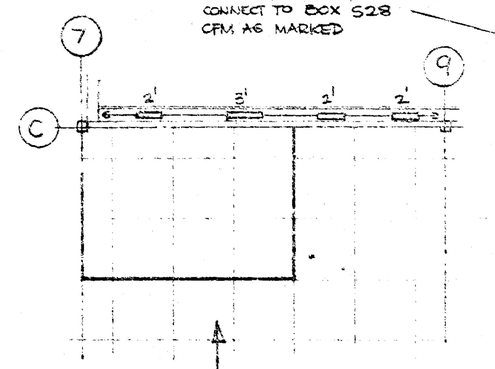
LEVELS 1, 2 & 3 EAST

project No. du projet	sheet No. de la feuille
89857	M5/M7/M9 – R1

Cut here and keep flat
inches 0 1 2 3 4 5 6 7 8 pouces
C
international A2 420 x 594 mm

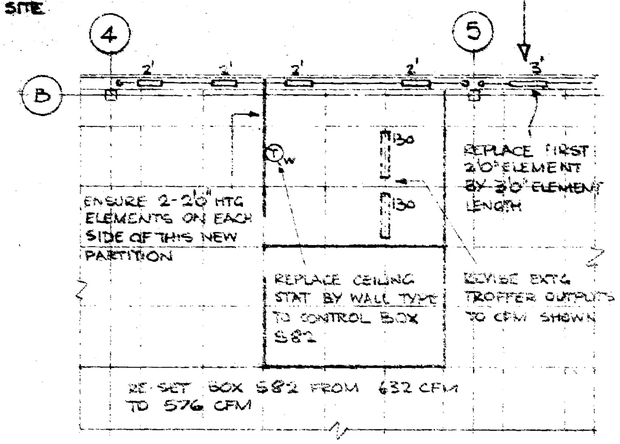


PART PLAN LEVEL
2 EAST 1/8" = 1FOOT

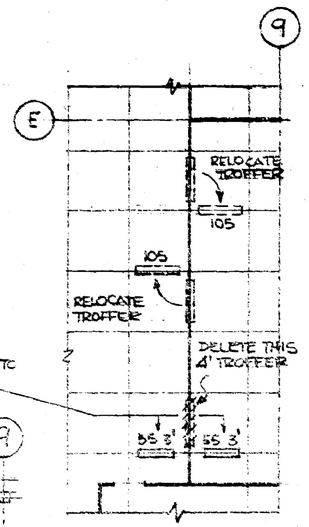


PART PLAN LEVEL
2 EAST 1/8" = 1FOOT

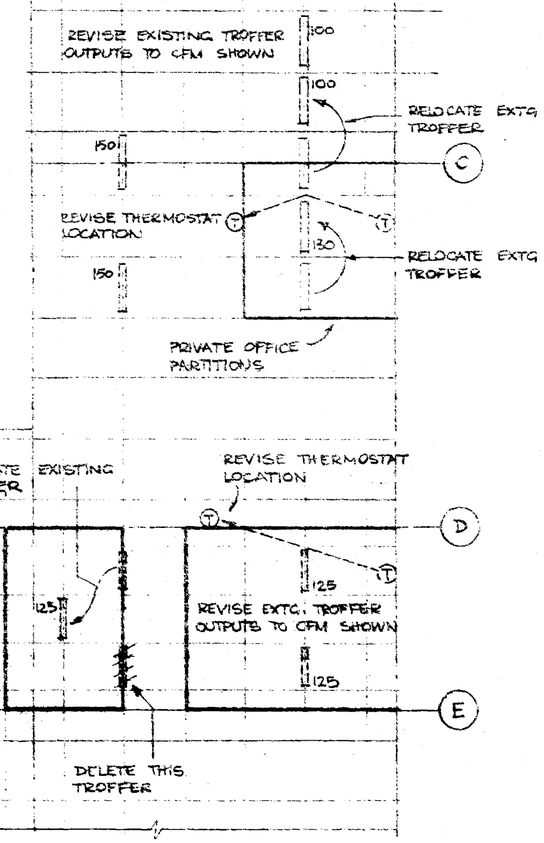
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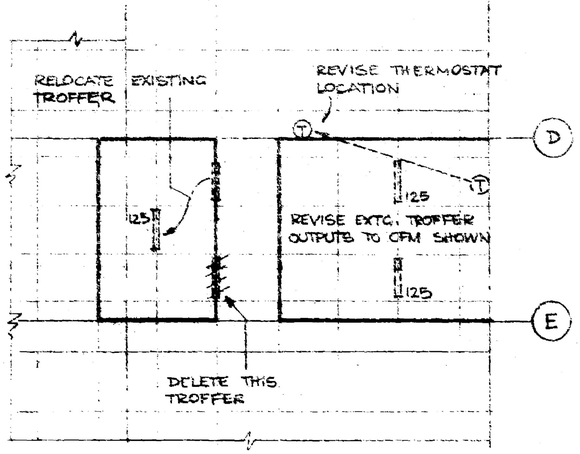


PART PLAN LEVEL 2 EAST 1/8" = 1FOOT



PART PLAN LEVEL
1 EAST 1/8" = 1FOOT





PART PLAN LEVEL 3 EAST 1/8" = 1FOOT

Public Works Canada / Travaux publics Canada

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project
projet

TERRITORIAL ADMINISTRATION BUILDING WHITEHORSE Y.T

drawing
dessin

LEVELS 1, 2 & 3 EAST

project No. du projet	sheet No. de la feuille
89857	M5/M7/M9 – R1

DPW A2
centimetres 0 2 4 6 8 10 12 14 16 18 20 centimètres
107