Ontario Northland

555 Oak Street East
North Bay, Ontario
P1B 8L3

555, rue Oak Est
North Bay (Ontario)
P1B 8L3

Tel: 1-800-363-7512
www.ontarionorthland.ca

August 28, 2026

Addendum No. 02

File Reference Number: RFP 2026 066

Title: North Bay Truck Shop Roof Upgrade

RE: Clarifications/Questions

QUESTIONS/CLARIFICATIONS:

Item 1: Would ONTC specify the type and thickness of insulation required, and type of vapour barrier required?

Answer: ONTC confirms that Insulation and vapour barrier shall match the existing. R40 batt Insulation shall be provided. Additionally, we have asked to match existing, please see the attached As-Built from 1985.

Item 2: Would ONTC provide photos of the interior to be provided for the areas of the repair to help determine access?

Answer: Please see attached Photographs.

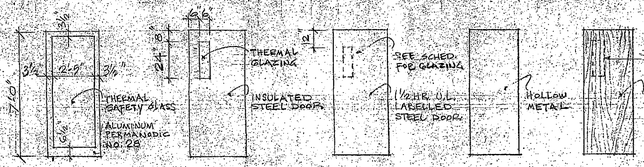
This Addendum hereby forms part of the RFP.

Regards,

Nicole Laplante
Procurement Contracts Specialist
nicole.laplante@ontarionorthland.ca

DOOR SCHEDULE

No.	LOCATION	TYPE	THICK	WIDE	HIGH	MATERIAL	FRAME	REMARKS
1	FRONT ENTRANCE	A	1¾	3'-0	7'-0	ALUMINUM	ALUMINUM	THERMALLY GLAZED C/W CLOSER.
2	EXTERIOR TO SHOP (WEST)	B	1¾	3'-0	7'-0	STEEL INSUL.	STEEL	C/W CLOSER & PANIC SET
3	EXTERIOR TO SHOP (NORTH)	B	1¾	3'-0	7'-0	STEEL INSUL.	STEEL	THERMALLY GLAZED C/W CLOSER & PANIC SET.
4	EXTERIOR TO STEAM ROOM	B	1¾	3'-0	7'-0	STEEL INSUL.	STEEL	DITTO
5	EXTERIOR TO SHOP (EAST)	B	1¾	3'-0	7'-0	STEEL INSUL.	STEEL	C/W CLOSER & PANIC SET
6	EXTERIOR TO SHOP (EAST)	B	1¾	3'-0	7'-0	STEEL INSUL.	STEEL	THERMALLY GLAZED C/W CLOSER & PANIC SET
7	OIL ROOM	C	1¾	2'-10	7'-0	H.M.	STEEL	1½ HR. RATED LABELLED DOOR & FRAME C/W CLOSER
8	BATTERIES	C	1¾	2'-10	7'-0	H.M.	STEEL	DITTO
9	STORES TO SHOP	C	1¾	2'-8	7'-0	H.M.	STEEL	DITTO WITH 5"x 20" GEORGIAN WIRED GLAZING.
10	OFFICE #1 TO SHOP	C	1¾	2'-8	7'-0	H.M.	STEEL	DITTO WITH 5"x 20" GEORGIAN WIRED GLAZING
11	SHOP TO ENTRY	C	1¾	3'-0	7'-0	H.M.	STEEL	DITTO WITH 5"x 20" GEORGIAN WIRED GLAZING
12	LOCKER ROOM TO SHOP	C	1¾	2'-8	7'-0	H.M.	STEEL	DITTO WITH 5"x 20" GEORGIAN WIRED GLAZING
13	STEAM ROOM TO SHOP	D	1¾	2'-8	7'-0	H.M.	STEEL	
14	LOCKER ROOM TO ENTRY	E	1¾	2'-8	7'-0	WOOD	STEEL	C/W CLOSER WITH 6"x 24" GEORGIAN WIRED GLAZING
15	LUNCH ROOM	E	1¾	2'-8	7'-0	WOOD	STEEL	DITTO
16	WASHROOM	E	1¾	2'-6	7'-0	WOOD	STEEL	C/W CLOSER
17	JANITOR	E	1¾	2'-8	7'-0	WOOD	STEEL	
18	OFFICE #1 TO GEN. OFFICE	E	1¾	2'-8	6'-8	WOOD	ALUMINUM	DOOR FRAME PART OF WESTROC TYPE 1 PARTITION, PANEL ABOVE DOOR
19	OFFICE #2	E	1¾	2'-8	6'-8	WOOD	ALUMINUM	DITTO SEE DWG. #
20	STORES TO GEN. OFFICE	E	1¾	2'-8	7'-0	WOOD	STEEL	
21	TOOL CRIB	D	1¾	2'-8	7'-0	H.M.	STEEL	
22	MECHANICAL ROOM	C	1¾	3'-6	7'-0	H.M.	STEEL	1½ HR O.L. LABELLED DOOR & FRAME C/W CLOSER.



ROOM FINISH SCHEDULE

LOCATION	FLOOR: 150 C.T. QUARRY TILE	FLOOR: CORK ON PLYWOOD MASTIC TILE	FLOOR: HARDENED CONCRETE	FLOOR: 12" VINYL ASBESTOS	FLOOR: SEALED UNFINISHED CONCRETE	BASE: QUARRY TILE	BASE: 4" VINYL	WALLS: MOSAIC TILE	WALLS: CONC. BLOCK NO FINISH	WALLS: PAINTED CONC. BLOCK	WALLS: PAINTED GYPSUM BOARD	WALLS: FACTORY PAINTED METAL LINERS	CEILING: GYPSUM BD. 4'x 4' GLAZED TILE	CEILING: FACTORY PAINTED METAL LINERS	CEILING: T&T WITH MINERAL TILES 2'x4'	CEILING: 1/2" GYPSUM BOARD 300#	CEILING: NO FIN. CEILING PAINT JOISTS & DECK	REMARKS
ENTRY	●				●							●			●			
GENERAL OFFICE				●			●					●			●			
LUNCH ROOM				●			●					●				●		TEXTURE SPRAY FINISH ON CEILING
LOCKER ROOM	●						●			●	●		●			●		TILE AT W.C. URINAL & BRADLEY. GLAZETITE ON BLOCK & GYP BD. TOP BALANCE
WASHROOM	●						●			●			●			●		
OFFICE NO. 1				●			●				●		●		●			
OFFICE NO. 2				●			●				●		●		●			
JANITOR	●				●					●	●					●		
STORES				●			●				●						●	
TOOL CRIB				●			●				●						●	
BATTERIES			●							●							●	
OIL ROOM			●							●							●	
MECHANICAL			●			●				●							●	
STEAM ROOM			●							●			●		●			
REPAIR SHOP			●							●			●		●			
SHOWERS	●								●				●				●	

NOTE: ALL CEILINGS AT 8'-8" ABOVE FIN. FLOOR EXCEPT THE FOLLOWING WHICH SHALL BE 8'-0": JANITOR, SHOWERS, LOCKER ROOM & WASHROOM.

NOTE
COL. 'E' MAY VARY DUE TO MANUFACTURE OF PRE-ENGINEERED BLDG. BUT EXTERIOR DIMENSIONS OF BLDG. SHALL BE MAINTAINED.

Frames & lites stored in metal cabinet Oct 31/1990 Rel 692 Sec 26(3)

REVISED
MINISTRY OF LABOUR
OCCUPATIONAL HEALTH AND SAFETY ACT, 1978
APR 16 1980
ZONE REVIEWER
CONSTRUCTION SAFETY

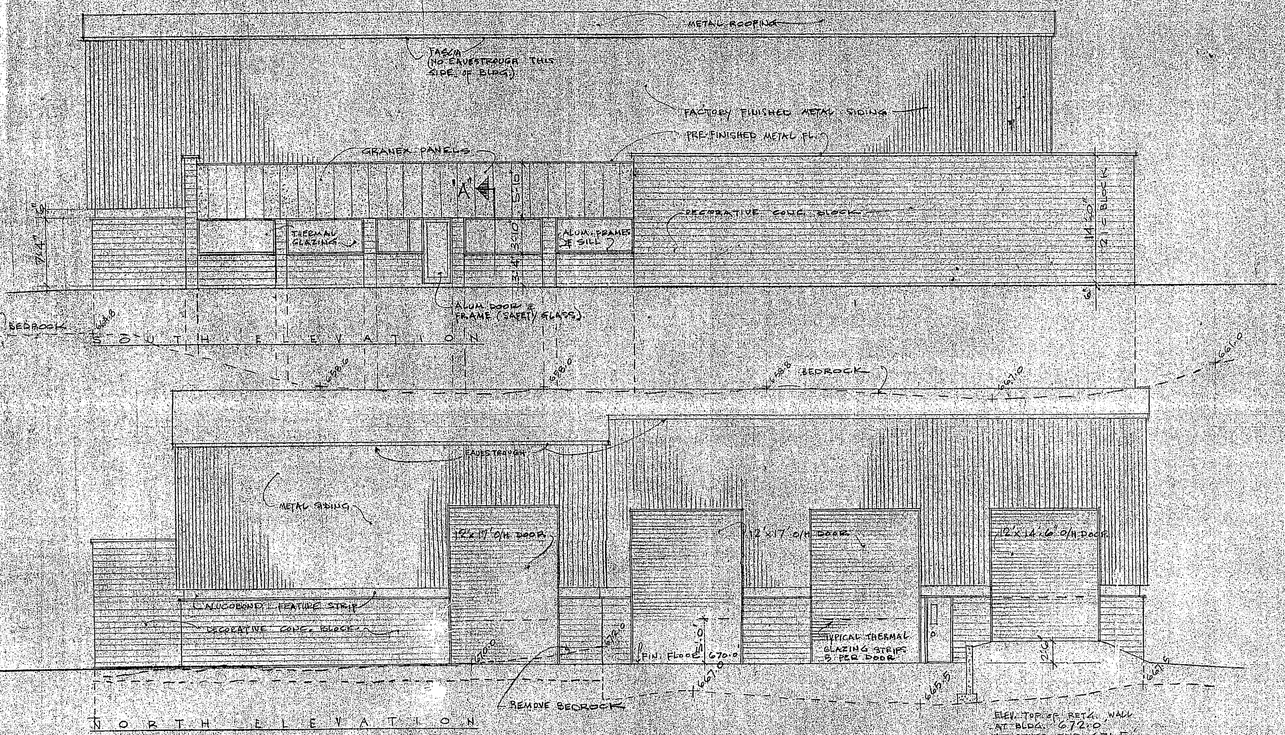
GERALD B. COX
ONTARIO ASSOCIATION OF ARCHITECTS
MEMBER
1966

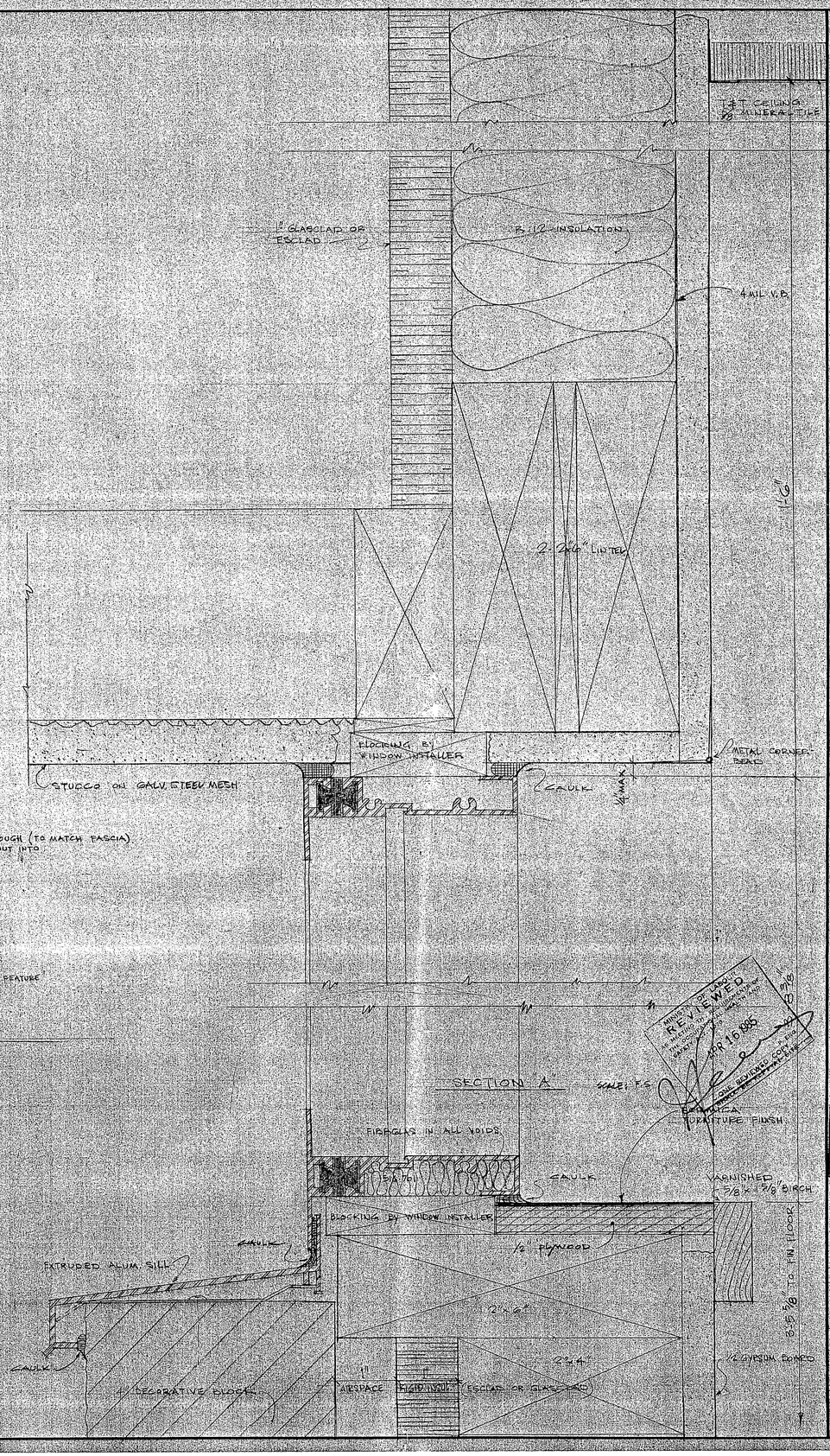
GERALD B. COX
ARCHITECT
373 FISHER ST., NORTH BAY

ONTARIO ASSOCIATION OF ARCHITECTS
GERALD B. COX
LICENCE
1966

O.N.R.
MAINTENANCE OF WAY
REPAIR BUILDING
NORTH BAY, ONT.

FLOOR PLAN & SCHEDULES
SCALE: 1/8"
DATE: MARCH
DWG NO: 8





ONTARIO ASSOCIATION OF ARCHITECTS
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LICENCE 1266

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REVISED
APR 16 1985
MINISTRY OF TRANSPORTATION AND COMMUNICATIONS
NORTHERN REGION
NORTH BAY, ONTARIO
ONE REVISED COPY TO BE RETURNED

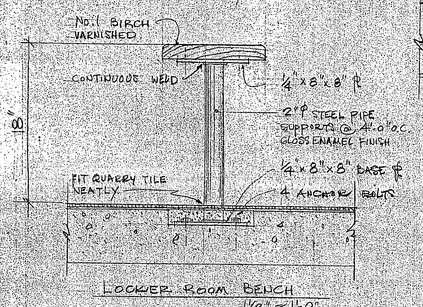
ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE GENERAL CONTRACTOR.

O.N.R.
MAINTENANCE OF WAY
REPAIR BUILDING
NORTH BAY, ONT.

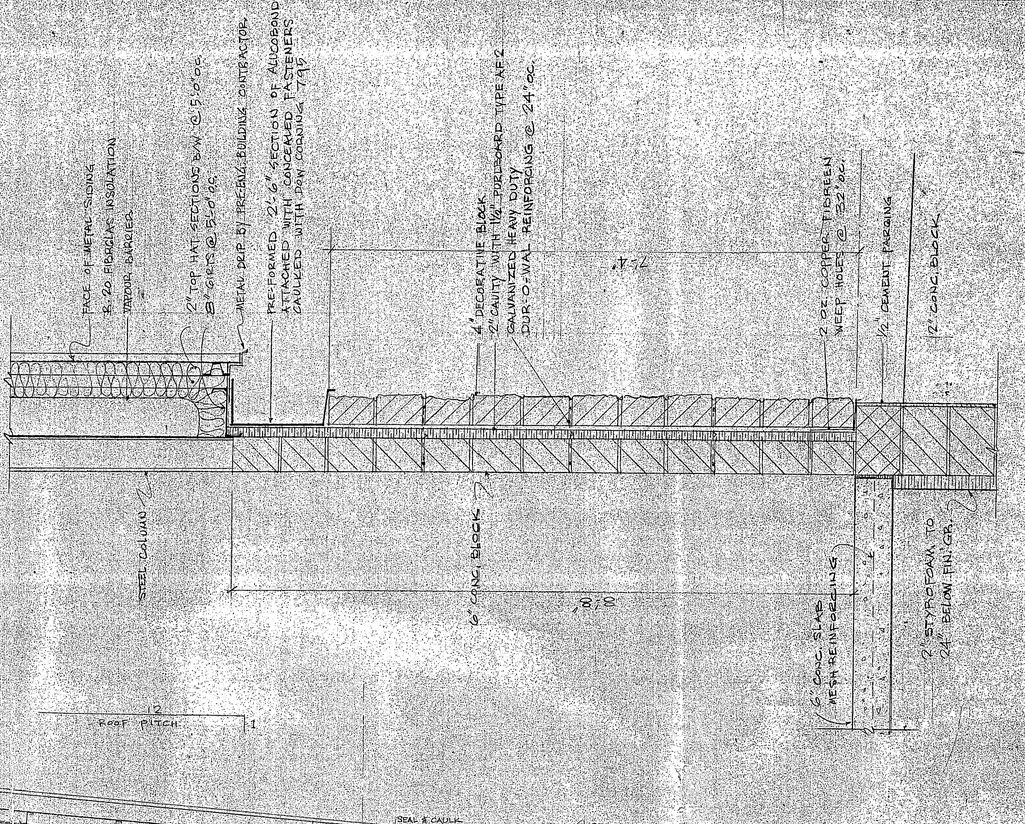
ELEVATIONS + SECTION

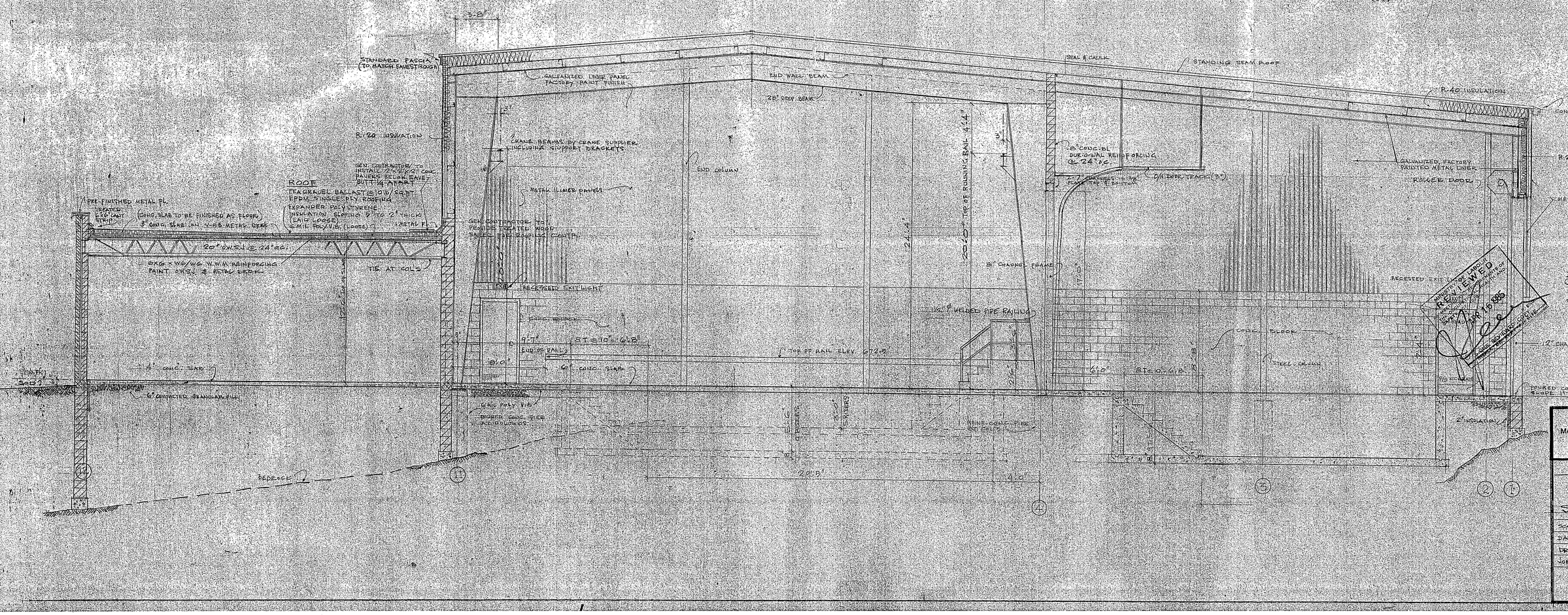
SCALE	¼"=1'0"
DATE	MARCH 22/85
DRAWN BY	G.B.C.
JOB NO.	84-20

3



LOCKER ROOM BENCH
1½" = 1'-0"





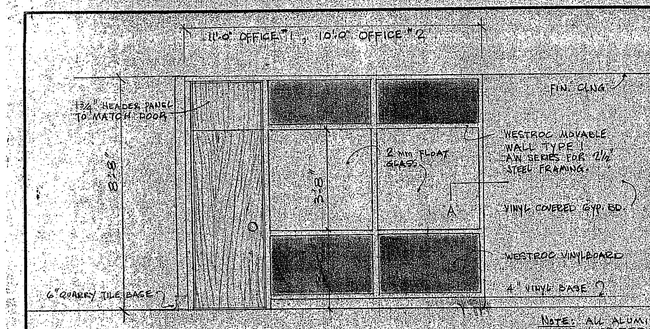
ONTARIO ASSOCIATION OF ARCHITECTS
GERALD B. COX
LICENCE
1266

RECEIVED
MAR 16 1985
MINISTRY OF LABOUR
BUILDING SAFETY BRANCH

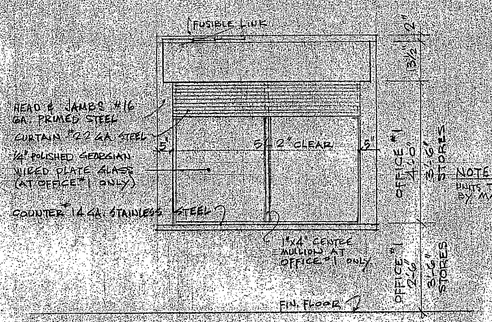
O.N.R.
MAINTENANCE OF WAY
REPAIR BUILDING
NORTH BAY, ONT.

SECTION
SCALE 1/4"=1'-0"
DATE MARCH 22/85
DRAWN BY RBC
JOB NO. 84-30

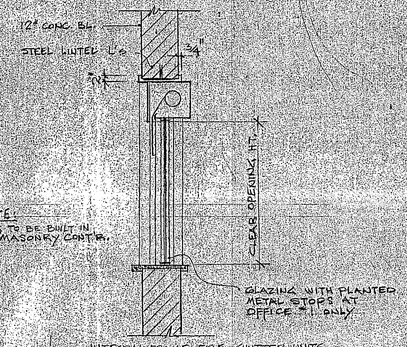
4



ELEVATION of OFFICE PARTITIONS SCALE 3/8" = 1'-0"

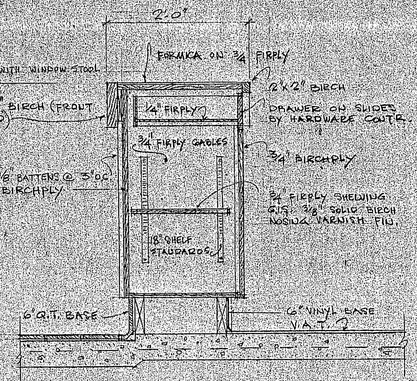


ELEVATION of ROLLER SHUTTERS 1/2" = 1'-0"

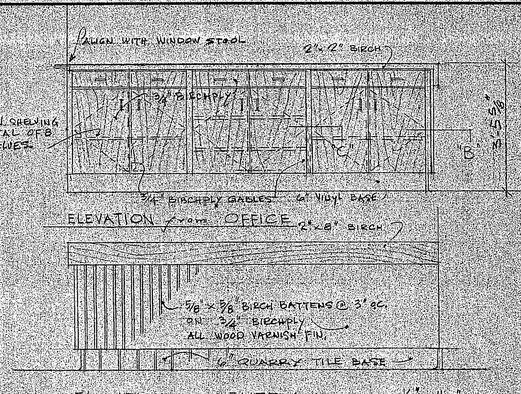


INTEGRAL FRAME FIRE SHUTTER UNITS SHALL BE U.L. RATED CLASS 'B' LABEL (1½ HR.) AS SUPPLIED BY DYNAMIC CLOSURES LTD.

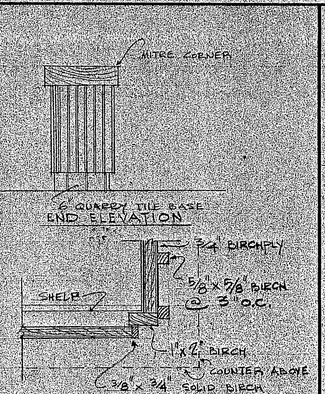
SECTION SCALE 1½" = 1'-0"



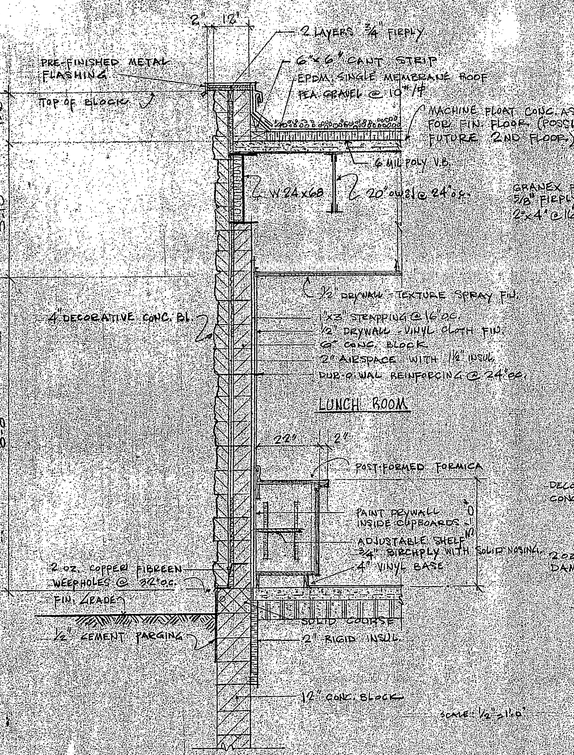
SECTION of ENTRY COUNTER SCALE 1"=1'-0"

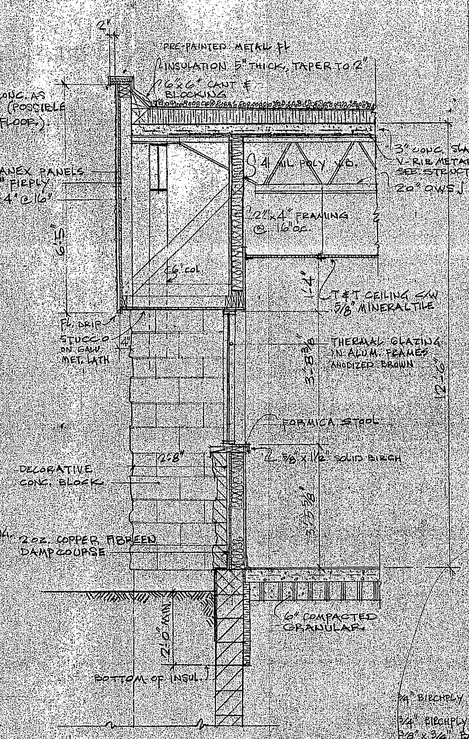


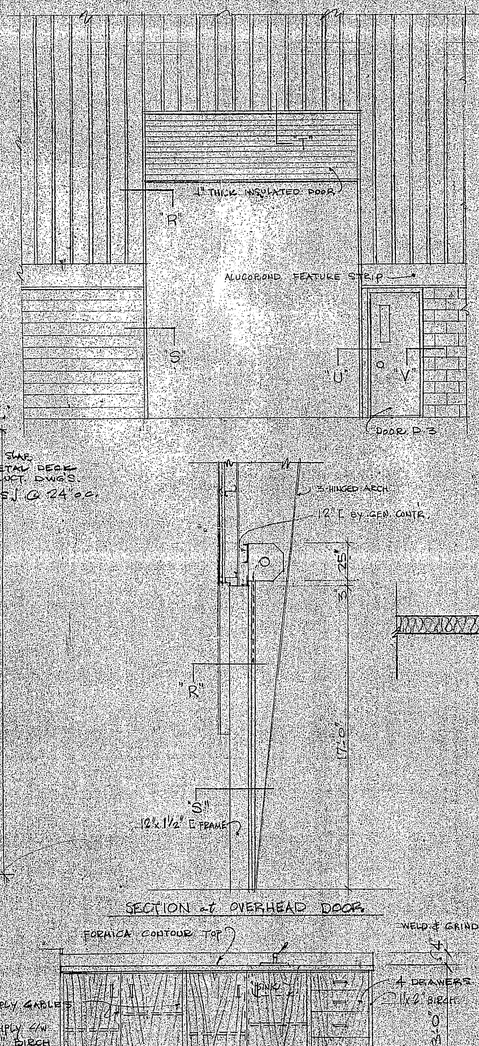
DETAIL of "C" SCALE: 1/4 F.S.

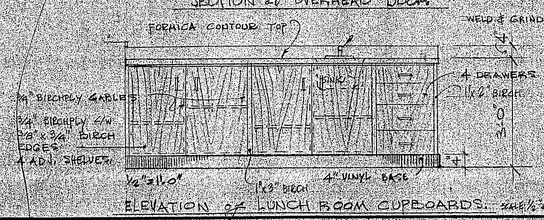


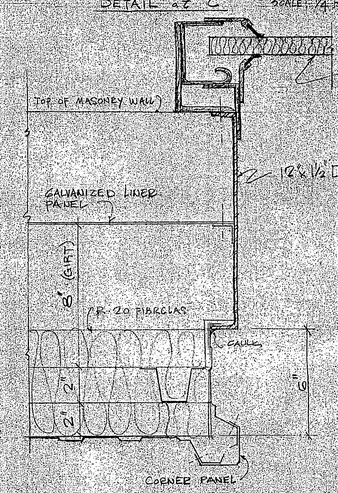
DETAIL of "B" SCALE: 1/4 F.S.

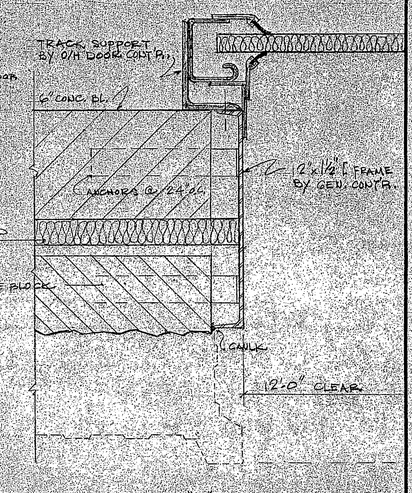


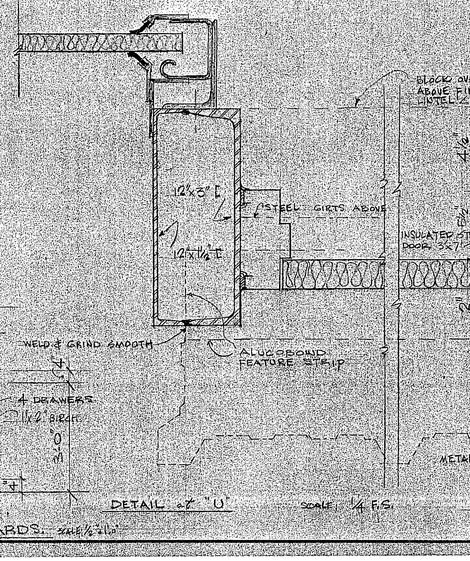


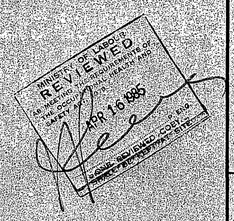












ONTARIO ASSOCIATION OF ARCHITECTS
GERALD B. COX LICENCE 1268

GERALD B. COX
ARCHITECT
573 FISHER STREET
NORTH BAY, ONTARIO
472-8350

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE GENERAL CONTRACTOR.

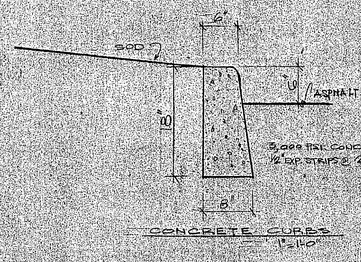
O.N.R.
MAINTENANCE OF WAY & REPAIR BUILDING
NORTH BAY, ONT.

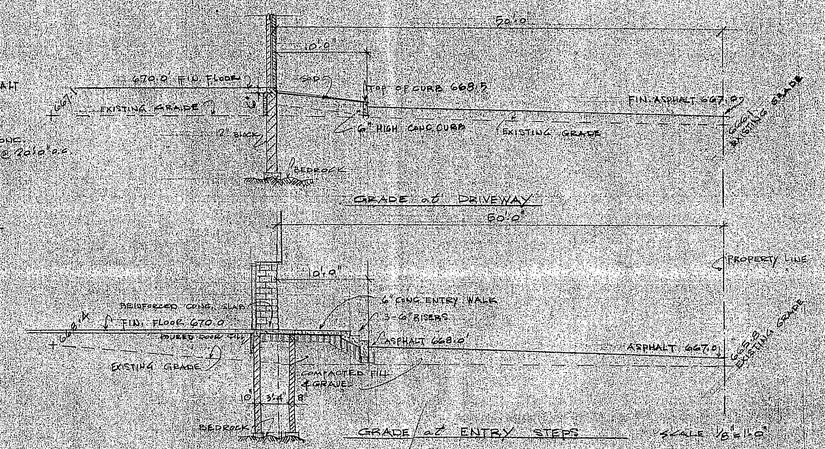
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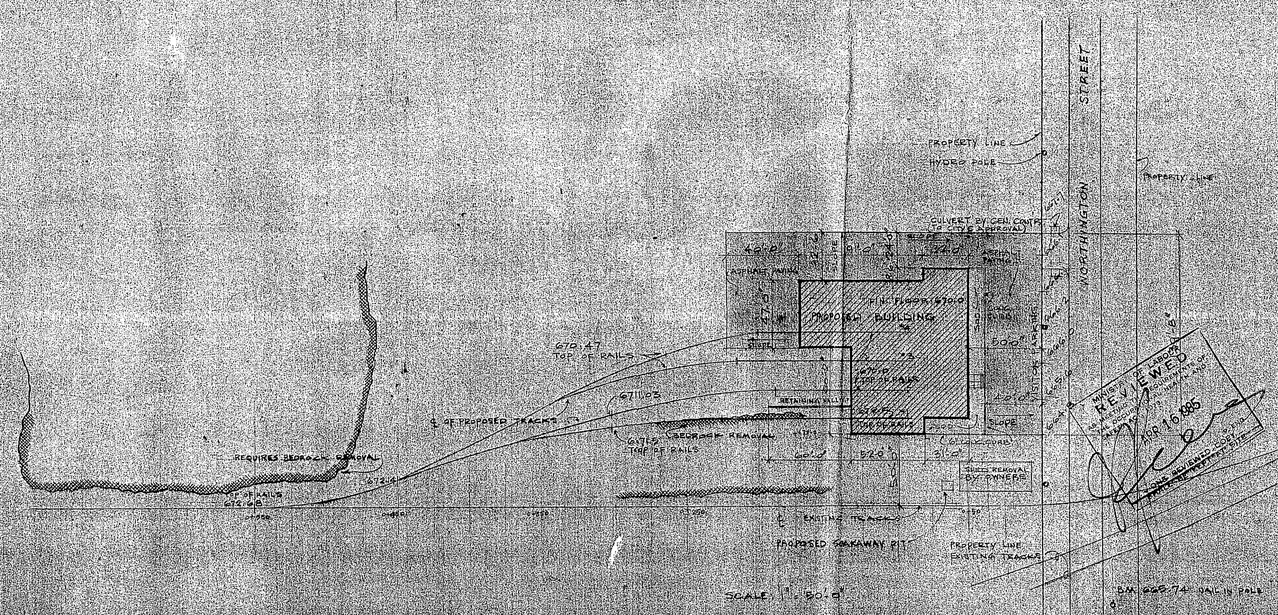
SCALE AS NOTED
DATE MARCH 22, 1985
DRAWN BY G.B.C.
JOB NO. 84-30

5

TRANSLAN







ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE GENERAL CONTRACTOR.

ONTARIO ASSOCIATION OF ARCHITECTS
GERALD B. COX
LICENCE
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GERALD B. COX
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NORTH BAY, ONTARIO
474-8350

O.N.R.
MAINTENANCE OF WAY
REPAIR BUILDING
NORTH BAY, ONT.

PLOT PLAN

SCALE AS NOTED
DATE MARCH 22/85
DRAWN BY G.B.C.
JOB NO. 8430

RB TRANSLAR

EMERGENCY LIGHTING WIRE SIZING

12 VOLT WIRING DISTANCES IN FEET

WIRE SIZE \ LOAD W	15	18	25	28	32	44	50	100	150	200
№ 12	166	111	81	73	62	47	41	20		
№ 10	265	190	136	121	104	79	69	34	23	
№ 8	415	300	215	194	166	124	108	54	36	
№ 6	660	555	340	305	260	198	172	86	58	

LIGHT FIXTURE SCHEDULE

DESCRIPTION

TYPE

a — RECESSED 6" ø POT LIGHT IN T-BAR CEILING DIE CAST MATTE BLACK ALUMINUM STEP BAFFLE ANODIZED ALUMINUM REFLECTOR. C/W FRAMING KIT LIGHTOLIER LYTECASTS 62 STEP BAFFLE C/W 100W A-19 LAMP & HOLDER

b — 2'x4' SURFACE MTD FLUORESCENT FIXTURE C/W 4-40 W R.S. LAMPS AND LAY-IN ACRYLIC LENS. PEERLESS № LX 448-15.

c — 1'x4' EXPLOSION-PROOF FLUORESCENT FIXTURE C/W 2-40 W R.S. LAMPS AND PROTECTOR SHIELD. APPLETON MODEL № ARS 240-118 C/W EFP 248 REF. (1/E-1)

d — 2'x4' RECESSED FLUORESCENT FIXTURE FOR INVERTED T-GRID CEILING C/W 4-40 W R.S. LAMPS AND LAY-IN ACRYLIC LENS. PEERLESS MOD. № NIT-448-15

e — 1'x4' SURFACE MTD. FLUORESCENT FIXTURE C/W 2-40 W R.S. LAMPS AND LAY-IN ACRYLIC LENS. PEERLESS MODEL № LX-248-15

f — 1'x4' SURFACE MTD. WEATHERPROOF FLUORESCENT FIXTURE C/W 2-40 W R.S. LAMPS AND OPAL ACRYLIC LENS PEERLESS MODEL WP0-248.

g — 4'w x 8'l x 18'l SURFACE MTD: FLUORESCENT FIXTURE C/W 1-90 W RS LAMP & WHITE OPAL ACRYLIC WRAP-AROUND DIFFUSER. BLACK BAKED ENAMEL FINISH. PEERLESS MODEL CND-148.

h — SURFACE MOUNTED EXPLOSION-PROOF INCANDESCENT FIXTURE C/W 1-100 W BULB AND PORCELAIN ENAMELLED STEEL STANDARD REFLECTOR. APPLETON AEC 1050

i — ENCLOSED HIGH PRESSURE SODIUM FIXTURE C/W 1-400 W HPS LAMP, POWER HOOK, SAFETY CABLE AND CHARCOAL FILTER BREATHER. SUITABLE FOR DAMP, DIRTY ENVIRONMENTS. HUBBELL ECONOLUX BCD 40056.

j — REMOTE EMERGENCY LIGHTING FIXTURE ADJUSTABLE HEAD SURFACE MTD. 24V. 9 W PER HEAD, TUNGSTEN. EMERGI-LITE DOUBLE HEAD: EF-18D-H. SINGLE HEAD: EF-18H

j' — REMOTE EMERGENCY LIGHTING FIXTURE ADJUSTABLE HEAD, SURFACE MOUNTED. WEATHERPROOF C/W 24V SEALED BEAM.

k — REMOTE EMERGENCY LIGHTING FIXTURE. DECORATOR CYLINDER C/W ADJUSTABLE SWIVEL AND 24V-9W TUNGSTEN LAMP PER HEAD. SINGLE HEAD (m1) EMERGI-LITE EF22-H. DOUBLE HEAD (m2) EMERGI-LITE EF22D-H.

x — EXIT LIGHT - EXTRUDED ALUMINUM HOUSING. AC/DC OPERATION. WALL MOUNTED. EMERGI-LITE EX21A-R

x1 — EXIT LIGHT SAME AS X EXCEPT CEILING MOUNTED. DOUBLE FACE. EMERGI-LITE EX23-A-R.

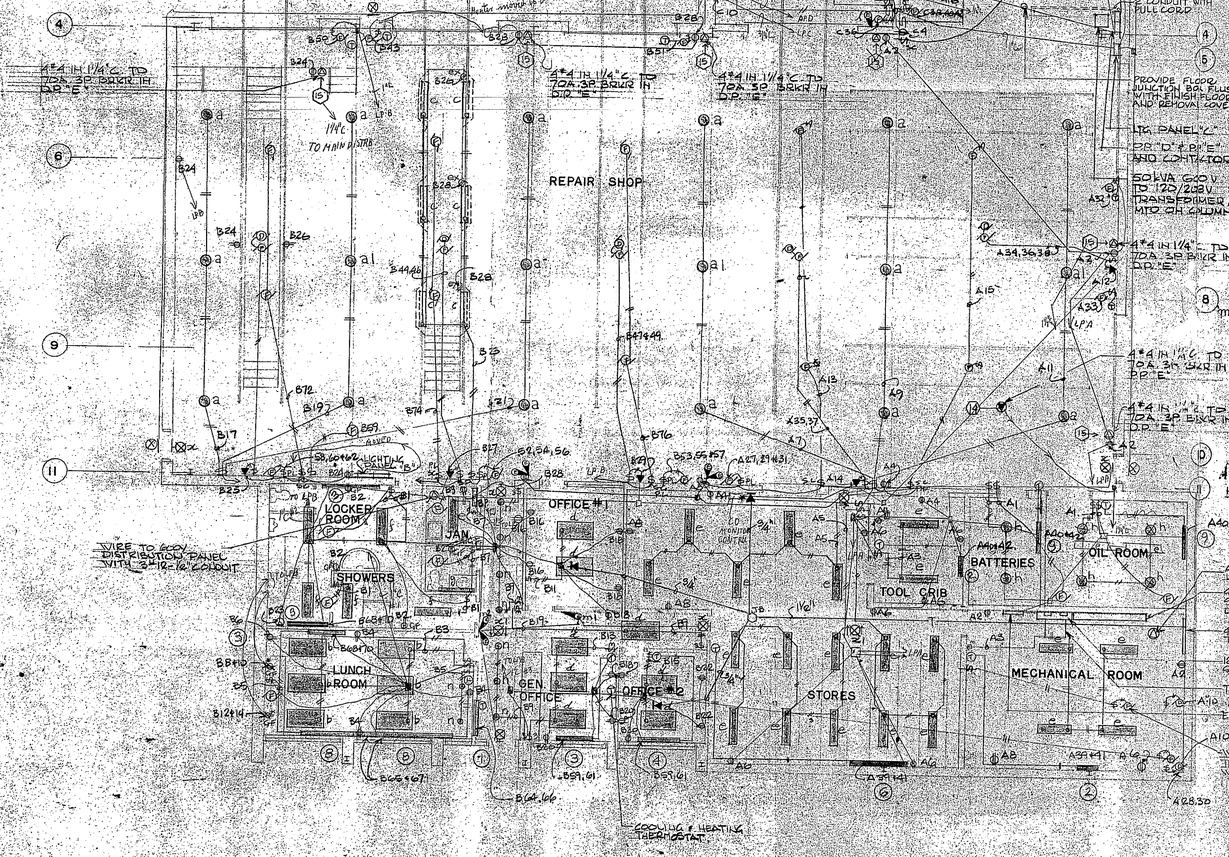
NOTE: NUMERAL '1' INDICATES FIXTURE WITH QUARTZ STANDBY SYSTEM (FIXTURES 2 & 3 ONLY)

ELECTRIC HEATER SCHEDULE

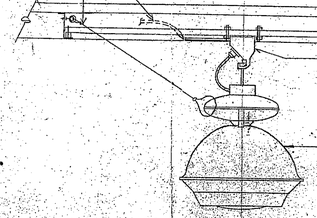
№	DESCRIPTION	LENGTH	kW	VOLTAGE	MODEL BY CHROMALOX	REMARKS
1	CONVECTION	4'-0"	3	208	ACC-430	SEMI-RECESSED
2	BASE BOARD	2'-3"	0.5	208	B7-7005	C/W REMOTE THERMOSTAT
3	BASE BOARD	4'-0"	1.0	208	B7-12010	
4	BASE BOARD	4'-9"	1.25	208	B7-15012	
5	BASE BOARD	5'-6"	1.6	208	B7-17015	
6	BASE BOARD	6'-3"	1.75	208	B7-19017	
7	BASE BOARD	7'-0"	2.0	208	B7-22020	
8	BASE BOARD	8'-6"	2.5	208	B7-26025	
9	EXPLOSION-PROOF	3'-4"	0.5	208	FPEP-500-1	C/W REMOTE BULB THERMOSTAT

SHOP EQUIPMENT SCHEDULE

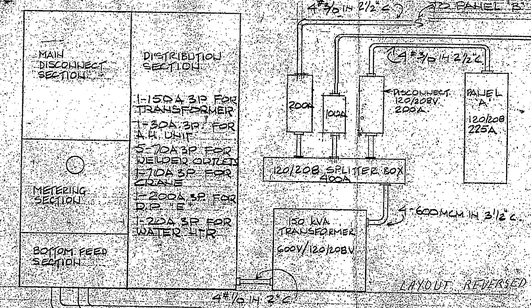
ITEM	DESCRIPTION	H.P	VOLTAGE	BRK'R.	
1	PARTS CLEANER	2	208 1ø	30A 2P	
2	HEAVY GRINDER	2	440 3ø	15A 3P	REVISE TO 600V 3ø
3	BUFFER	1/3	120	15A SP	
4	LATHE	1	208 3ø	15A 3P	
5	SPARK PLUG CLEANER	1/4	120	15A SP	
6	HEAVY DRILL PRESS	1 1/2	440 3ø	15A 3P	REVISE TO 600V 3ø
7	DRILL PRESS	1/3	120	15A SP	
8	GRINDER	3/4	208 3ø		
9	DRILL SHARPENER	1/4	120	15A SP	
10	VALVE GRINDER	1/4	120	15A SP	
11	BUSHING GRINDER	1/4	120	15A SP	
12	WASHER		120	20A SP	
13	N.A.				
14	CRANE	25	600V 3ø	70A 3P	
15	WELDER		440 3ø	70A 3P	REVISE TO 600V 3ø
16	FUTURE MILLING MACHINE				PROVIDE 1"S AND 1"CONDS.
17	FUTURE STEEL SAW				

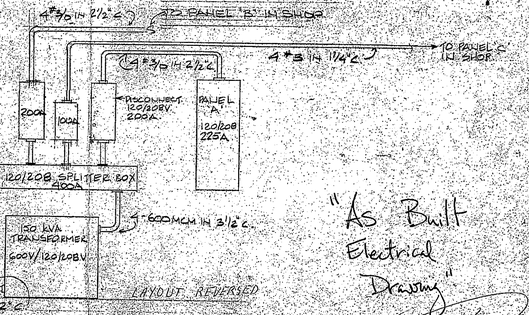


- A20, 21 & 22 CONDENSING UNIT ON ROOF
- 400A 600V 3 PHASE MAIN ELECTRICAL SERVICE SWITCHGEAR AND MAIN DISTRIBUTION SECTION
- 96"x48"x3/4" PLYWOOD TELEPHONE BACKBOARD
- 120/208 SPLITTER & DISCONNECT SWITCHES
- TRANSFORMER
- ELECTRICAL PANEL 'A'



1/E-1 LIGHTING FIXTURE INSTALLATION DETAIL N.T.S.





"As Built Electrical Drawing"

M-366

EMERGENCY LIGHTING WIRE SIZING

12 VOLT WIRING DISTANCES IN FEET									
WIRE SIZE / LOAD W	13	18	25	28	32	44	50	100	150	200
Nº 12	166	111	81	73	64	47	41	20		
Nº 10	265	190	136	121	104	78	69	34	23	
Nº 8	415	300	215	194	166	124	108	54	36	
Nº 6	660	465	340	305	260	198	172	86	58	

LIGHT FIXTURE SCHEDULE

DESCRIPTION

TYPE 'A' RECESSED 6" ø POT LIGHT IN T-BAR CEILING DIE CAST MATTE BLACK ALUMINUM STEP BAFFLE, ANODIZED ALUMINUM REFLECTOR C/W FRAMING KIT, LIGHTOLIER LYTECASTE 03 STEP BAFFLE C/W 100W A/S13 LAMP & HOLDER

TYPE

a HIGH PRESSURE SODIUM FIXTURE 5/W 400W HPS LAMP, POWER HOOK, SAFETY CABLE, CHARCOAL FILTER BREATHER AND GASKETED GLASS LENS. HUBBLE HSE-4009-I-EU.

b 2'X4' SURFACE MTD FLUORESCENT FIXTURE 5/W 4-40 W R.S. LAMPS AND LAY-IN ACRYLIC LENS. PEERLESS Nº LX 448-IS

c 1'x4' EXPLOSIONPROOF FLUORESCENT FIXTURE 5/W 2-40W R.S. LAMPS AND PROTECTOR SHIELD. APPLETON MODEL Nº ARS 240-118 C/W EFP 248 REF (1)

d 2'x4' RECESSED FLUORESCENT FIXTURE FOR INVERTED T-GRID CEILING 5/W 4-40W R.S. LAMPS AND LAY-IN ACRYLIC LENS. PEERLESS MOD. Nº. HIT-448-IS

e 1'x4' SURFACE MTD. FLUORESCENT FIXTURE 5/W 2-40W R.S. LAMPS AND LAY-IN ACRYLIC LENS. PEERLESS MODEL Nº LX-248-IS

f 1'x4' SURFACE MTD. WEATHERPROOF FLUORESCENT FIXTURE 5/W 2-40W R.S. LAMPS AND OPAL ACRYLIC LENS. PEERLESS MODEL WP0-248

g 4'Wx6"hx48'L. SURFACE MTD. FLUORESCENT FIXTURE 5/W 1-90W R.S. LAMP & WHITE OPAL ACRYLIC WRAP-AROUND DIFFUSER. BLACK BAKED ENAMEL FINISH. PEERLESS MODEL CNB-148.

h SURFACE MOUNTED, EXPLOSION-PROOF INCANDESCENT FIXTURE 5/W 1-100W BULB AND PORCELAIN ENAMELLED STEEL STANDARD REFLECTOR. APPLETON AEC 1050

i ENCLOSED HIGH PRESSURE SODIUM FIXTURE 5/W 1-400W HPS LAMP, POWER HOOK, SAFETY CABLE AND CHARCOAL FILTER BREATHER. SUITABLE FOR DAMP, DIRTY ENVIRONMENTS. HUBBLE ECONOLUX ECO 4005G.

j REMOTE EMERGENCY LIGHTING FIXTURE ADJUSTABLE HEAD, SURFACE MTD, 24V 9 W PER HEAD, TUNGSTEN. EMERGI-LITE DOUBLE HEAD: EF-18D-H. SINGLE HEAD: EF-18H

k REMOTE EMERGENCY LIGHTING FIXTURE ADJUSTABLE HEAD, SURFACE MOUNTED. WEATHERPROOF, 5/W 24V SEALED BEAM.

l (1)m2 REMOTE EMERGENCY LIGHTING FIXTURE DECORATOR CYLINDER 5/W ADJUSTABLE SWIVEL AND 24V-3W TUNGSTEN LAMP PER HEAD. SINGLE HEAD (m1) EMERGI-LITE EF12-H. DOUBLE HEAD (m2) EMERGI-LITE EF-212D-H.

x EXIT LIGHT - EXTRUDED ALUMINUM HOUSING. AC/DC OPERATION. WALL MOUNTED EMERGI-LITE EX-21AR.

y EXIT LIGHT - SAME AS 'X' EXCEPT CEILING MOUNTED. DOUBLE FACE. EMERGI-LITE EX-23-A-R.

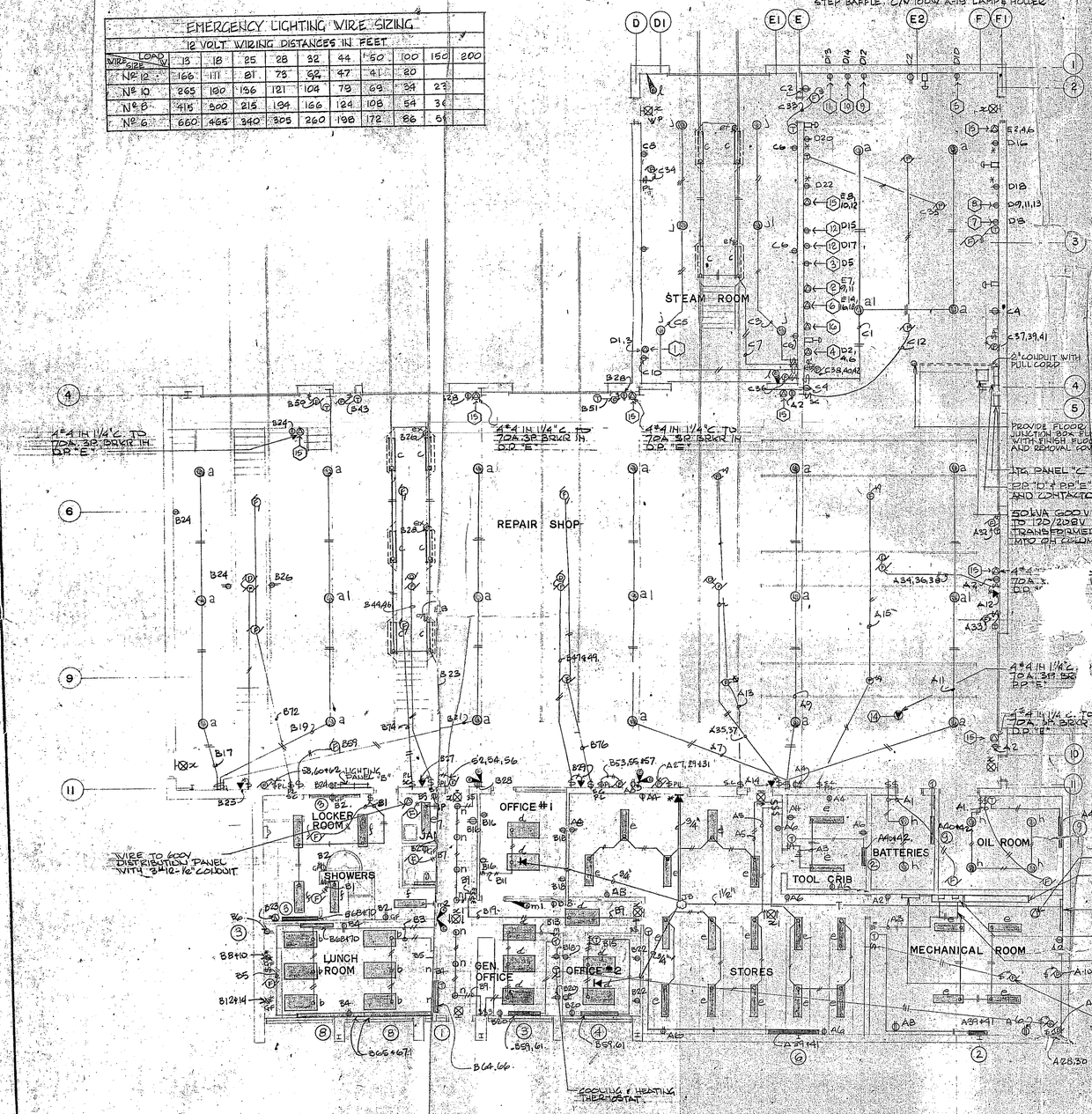
NOTE: NUMERAL '1' INDICATES FIXTURE WITH QUARTZ STANDBY SYSTEM. (FIXTURES 'a' & 'j' ONLY).

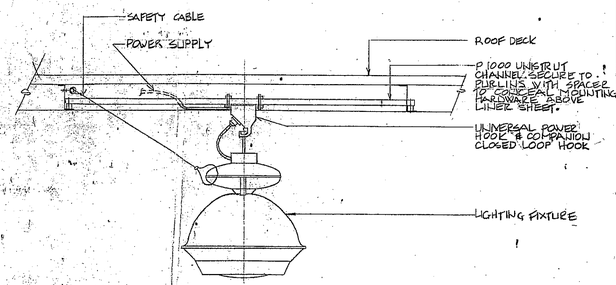
ELECTRIC HEATER SCHEDULE

Nº	DESCRIPTION	LENGTH	K.W.	VOLTAGE	MODEL BY CHROMALOX	REMARKS
1	CONVECTION	2'-0"	5	208	ACC-450	SEMI-RECESSED
2	BASE BOARD	2'-3"	0.5	208	B7-7005	5/W REMOTE THERMOSTAT
3	BASE BOARD	4'-0"	1.0	208	B7-12010	
4	BASE BOARD	4'-9"	1.25	208	B7-15012	
5	BASE BOARD	5'-6"	1.6	208	B7-17015	
6	BASE BOARD	6'-3"	1.75	208	B7-19017	
7	BASE BOARD	7'-0"	2.0	208	B7-22020	
8	BASE BOARD	8'-6"	2.5	208	B7-26025	
9	EXPLOSION-PROOF	3'-4"	0.5	208	FPEP-500-1	5/W REMOTE-BULB THERMOSTAT

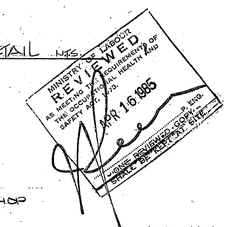
SHOP EQUIPMENT SCHEDULE

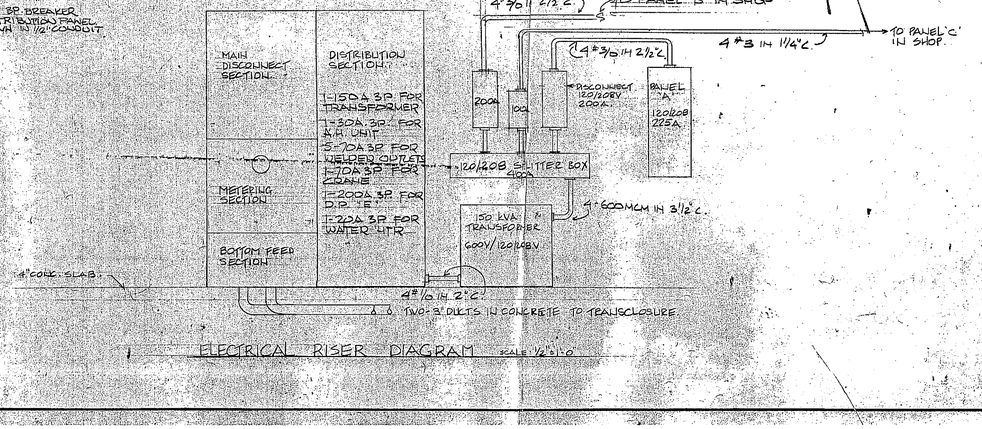
ITEM	DESCRIPTION	H.P.	VOLTAGE	BRK'R.	
1	PARTS CLEANER	2	208 1ø	30A 2P	
2	HEAVY GRINDER	2	440 3ø	15A 3P	REVISE TO 600V 3ø
3	BUFFER	1/3	120	15A SP	
4	LATHE	1	208 3ø	15A 3P	
5	SPARK PLUG CLEANER	1/4	120	15A SP	
6	HEAVY DRILL PRESS	1 1/2	440 3ø	15A 3P	REVISE TO 600V 3ø
7	DRILL PRESS	1/3	120	15A SP	
8	GRINDER	3/4	208 3ø		
9	DRILL SHARPENER	1/4	120	15A SP	
10	VALVE GRINDER	1/4	120	15A SP	
11	BUSHING GRINDER	1/4	120	15A SP	
12	WASHER		120	20A SP	
13	N.A.				
14	CRANE	25	600V 3ø	70A 3P	
15	WELDER		440 3ø	70A 3P	REVISE TO 600V 3ø
16	FUTURE MILLING MACHINE				PROVIDE 1-#8 AND 1" CONDT.
17	FUTURE STEEL SAW				





1/E-1 LIGHTING FIXTURE INSTALLATION DETAIL N.T.S.





1 ELECTRICAL RISER DIAGRAM SCALE 1/2"=1'-0"

GERALD B. COX
ELECTRICAL CONTRACTOR
NORTH BAY, ONTARIO

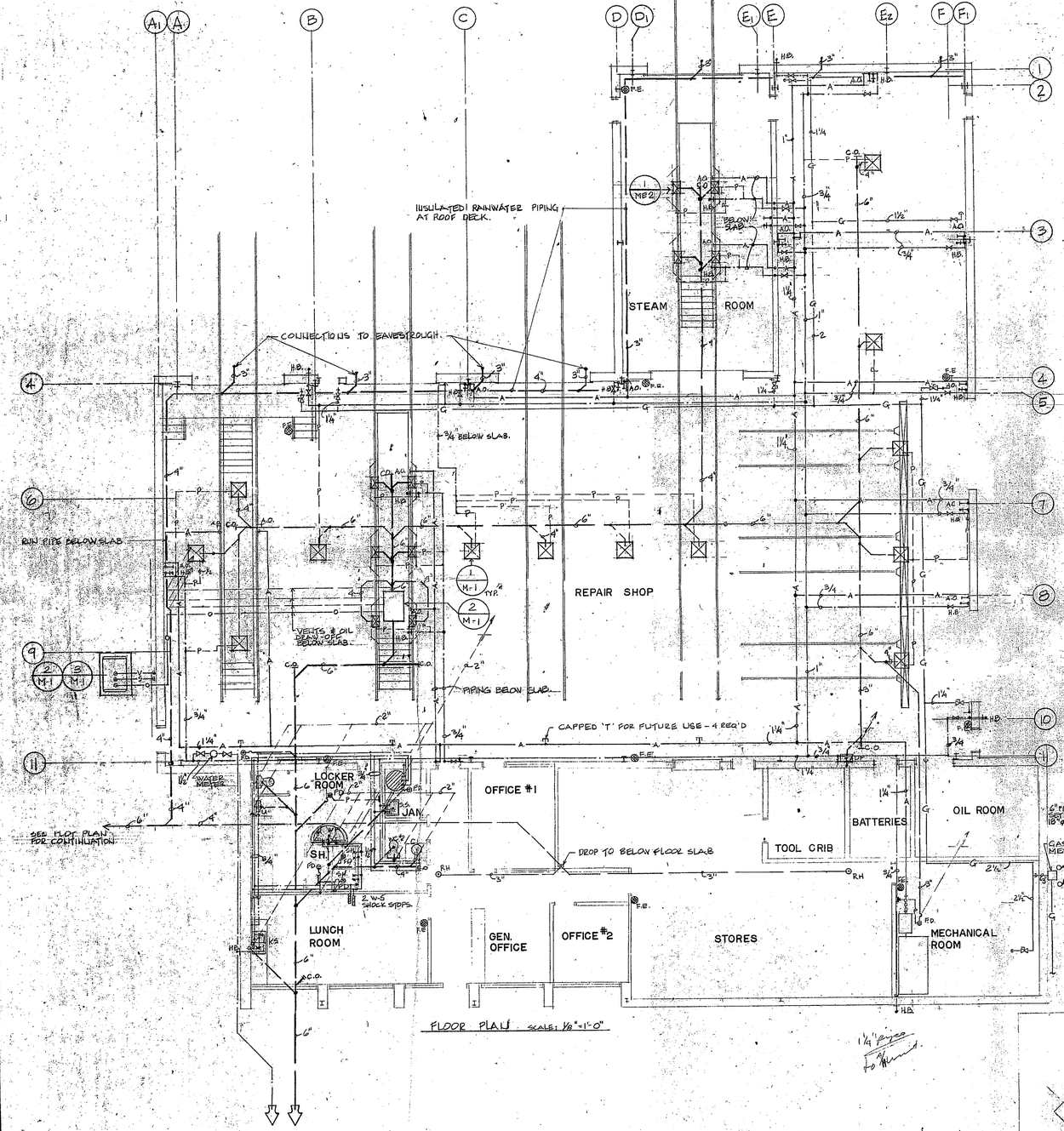
ALL INFORMATION ON THIS PLAN IS PROPERTY OF THE SUBJECT BUILDING AND IS NOT TO BE USED FOR ANY OTHER PURPOSE

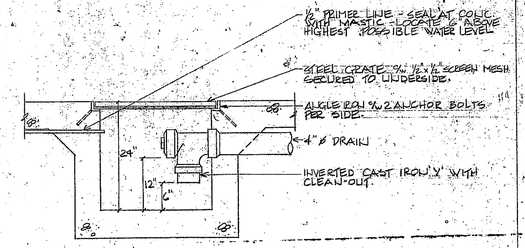
O.N.R.
MAINTENANCE OF WAY
REPAIR BUILDING
NORTH BAY, ONT.

ELECTRICAL PLAN AND DETAILS

SCALE AS NOTED
DATE MARCH 1985
DRAWN BY R.W.
JOB No. 83-32

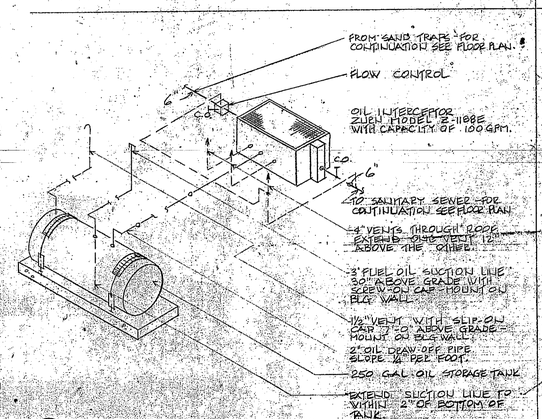
E-1



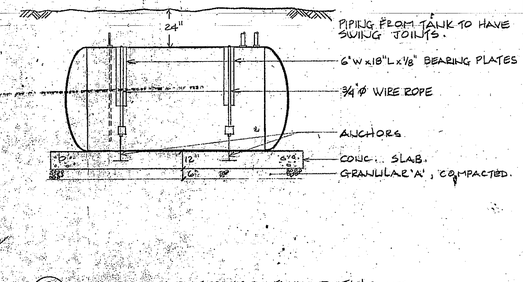


1 / M1 SAND TRAP INSTALLATION DETAIL NTS

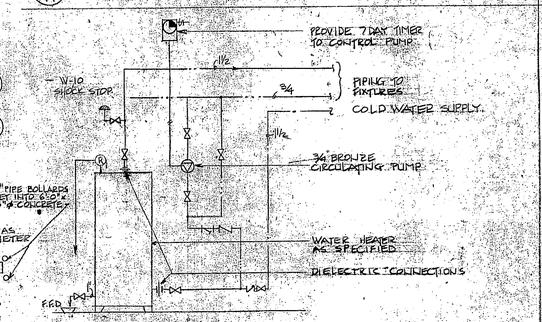
PLUMBING FIXTURE SCHEDULE						
FIXTURE	MARKED	DRAIN	VENT	H.W.	C.W.	COMMENTS
WATER CLOSET #1	W.C.#1	4"	1½"	-	1"	TO FLUSH VALVE
WATER CLOSET #2	W.C.#2	4"	1½"	-	½"	TO FLUSH TANK.
URINAL	U.	1½"	1¼"	-	½"	TO FLUSH TANK.
LAVATORY SINK	LAV.	1¼"	1¼"	½"	½"	
COUNTER LAV.	C.L.	1¼"	1¼"	½"	½"	
SERVICE SINK	S.S.	3"	1½"	½"	½"	
KITCHEN SINK	K.S.	1½"	1¼"	½"	½"	
SHOWER STALL	SH.	1½"	1¼"	½"	½"	
WASH FOUNTAIN	W.F.	2"	1½"	½"	½"	
DRINKING FNTN.	D.F.	1¼"	1¼"		½"	
FLOOR DRAIN	F.D.	3"	1½"		½"	FROM PRIMER
FUNNEL FL. DR.	F.F.D.	3"	1½"		½"	" "



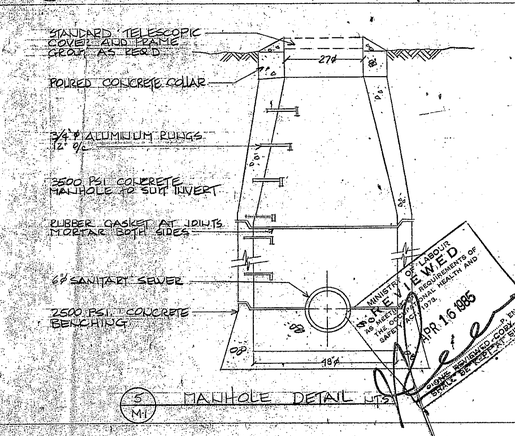
2 / M-1 OIL INTERCEPTOR PIPING DIAGRAM NTS



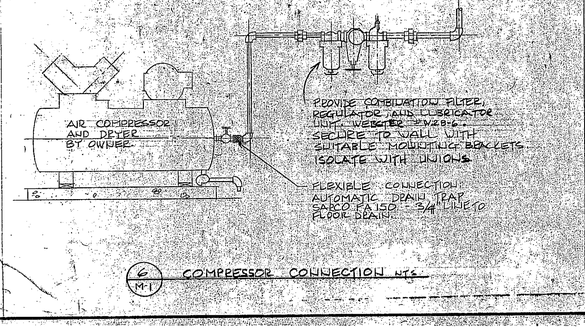
3 / M-1 UNDERGROUND STORAGE TANK DETAIL NTS



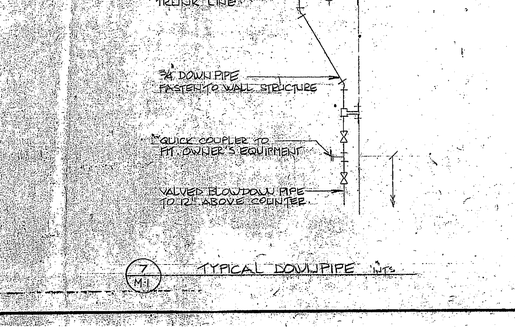
1 / M-1 WATER HEATER PIPING



5 / M-1 MANHOLE DETAIL NTS



6 / M-1 COMPRESSOR CONNECTION NTS



7 / M-1 TYPICAL DOWNPIPE NTS

GERALD B. COX
REGISTERED PROFESSIONAL ENGINEER
P. ENTERKIN
APR/85
GERALD B. COX
CITY OF ONTARIO
NORTH BAY, ONTARIO
477-1283

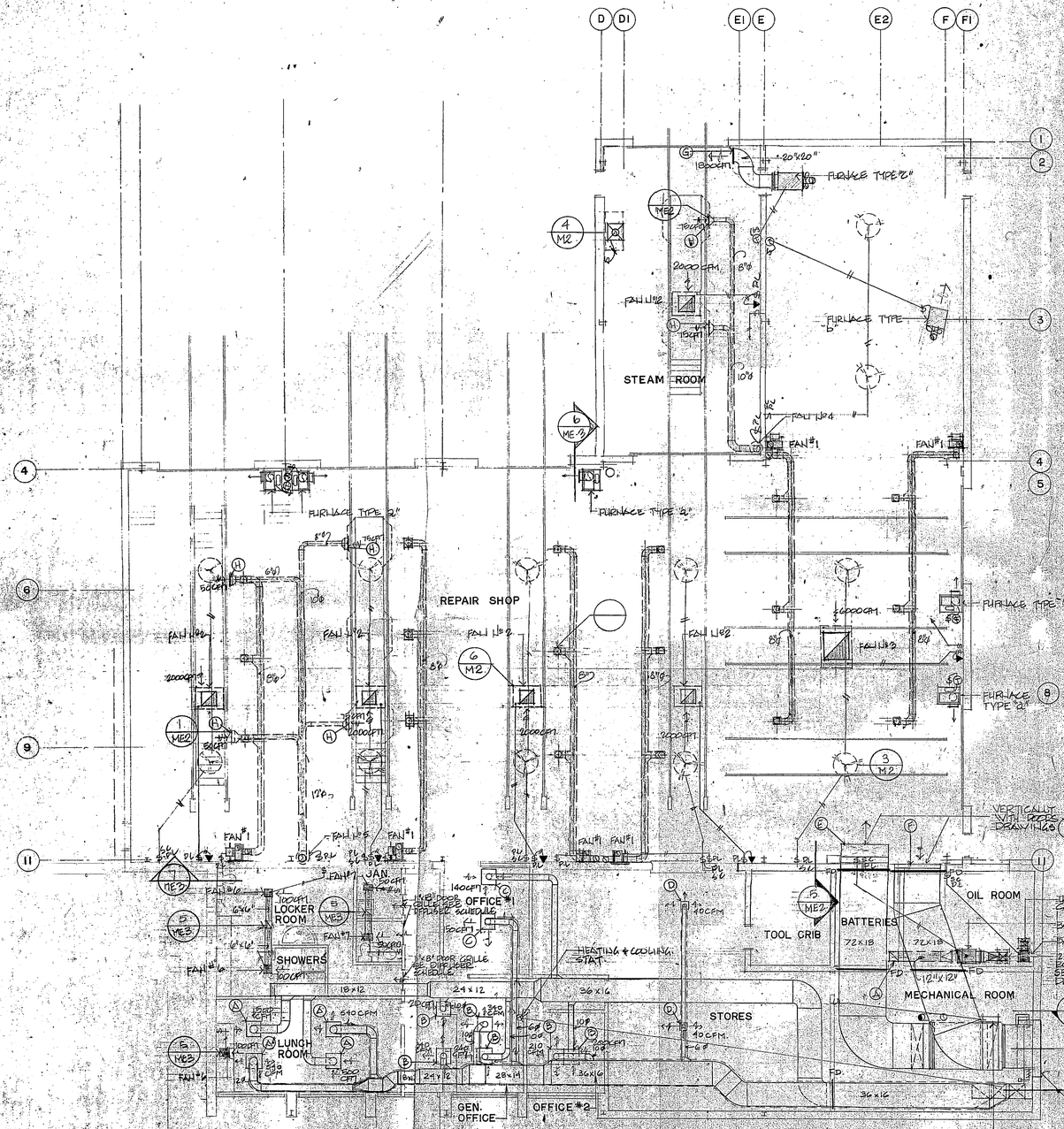
ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE GENERAL CONTRACTOR

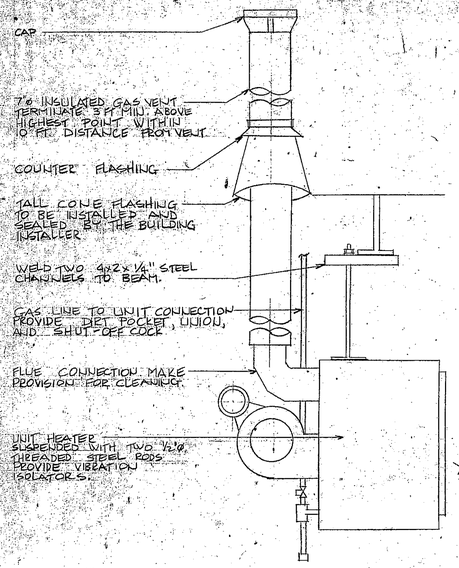
O.N.R.
MAINTENANCE OF WAY
REPAIR BUILDING
NORTH BAY, ONT.

PLUMBING PLAN AND DETAILS

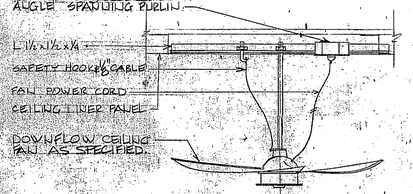
SCALE AS NOTED
DATE MARCH, 1985
DRAWN A.M.
JOB NO. 84-82

M-1

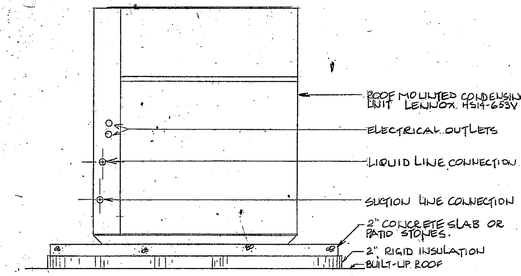




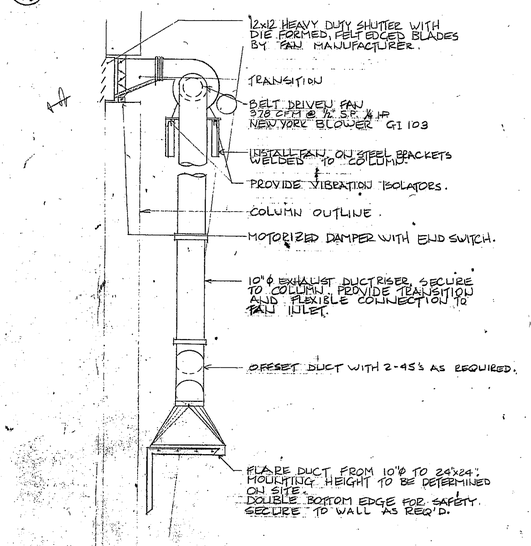
1 / M-2 UNIT HEATER INSTALLATION N.T.S.
FURNACE TYPE B & C TYPICAL



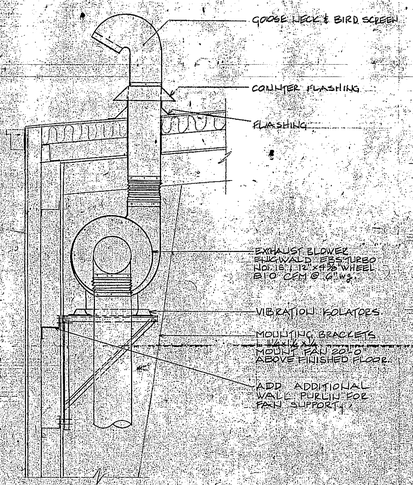
3 / M-2 CEILING PADDLE FAN N.T.S.



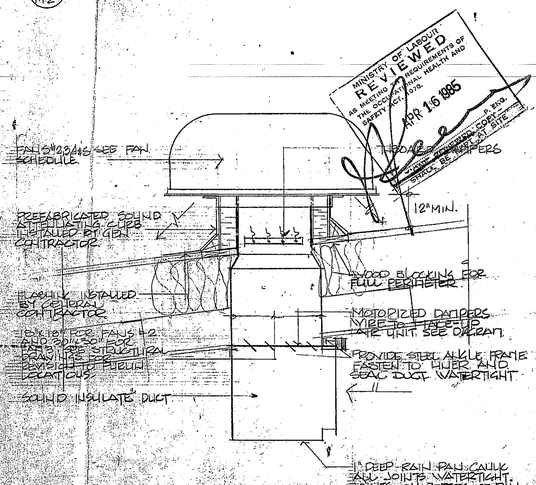
2 / M-2 ROOFTOP CONDENSER MOUNTING DETAIL SCALE 1"=1'-0"



4 / M-2 STEAMER EXHAUST ½"=1'-0"



5 / M-2 EXHAUST BLOWER INSTALLATION N.T.S.



C / M-2 ROOF VENTILATOR INSTALLATION N.T.S.
SCALE 3/4"=1'-0"

REVIEWED
As noted, the drawings meet the requirements of the Occupational Health and Safety Act, Regs.
APR 16 1985
CONSTRUCTION REGULATIONS BRANCH
CONTRACTOR MUST KEEP A COPY OF THIS REVIEWED DRAWING ON THE JOB SITE
MINISTRY OF LABOUR

GERALD B. COX
ARCHITECT
173 FISHER STREET
NORTH BAY, ONTARIO
472-8320

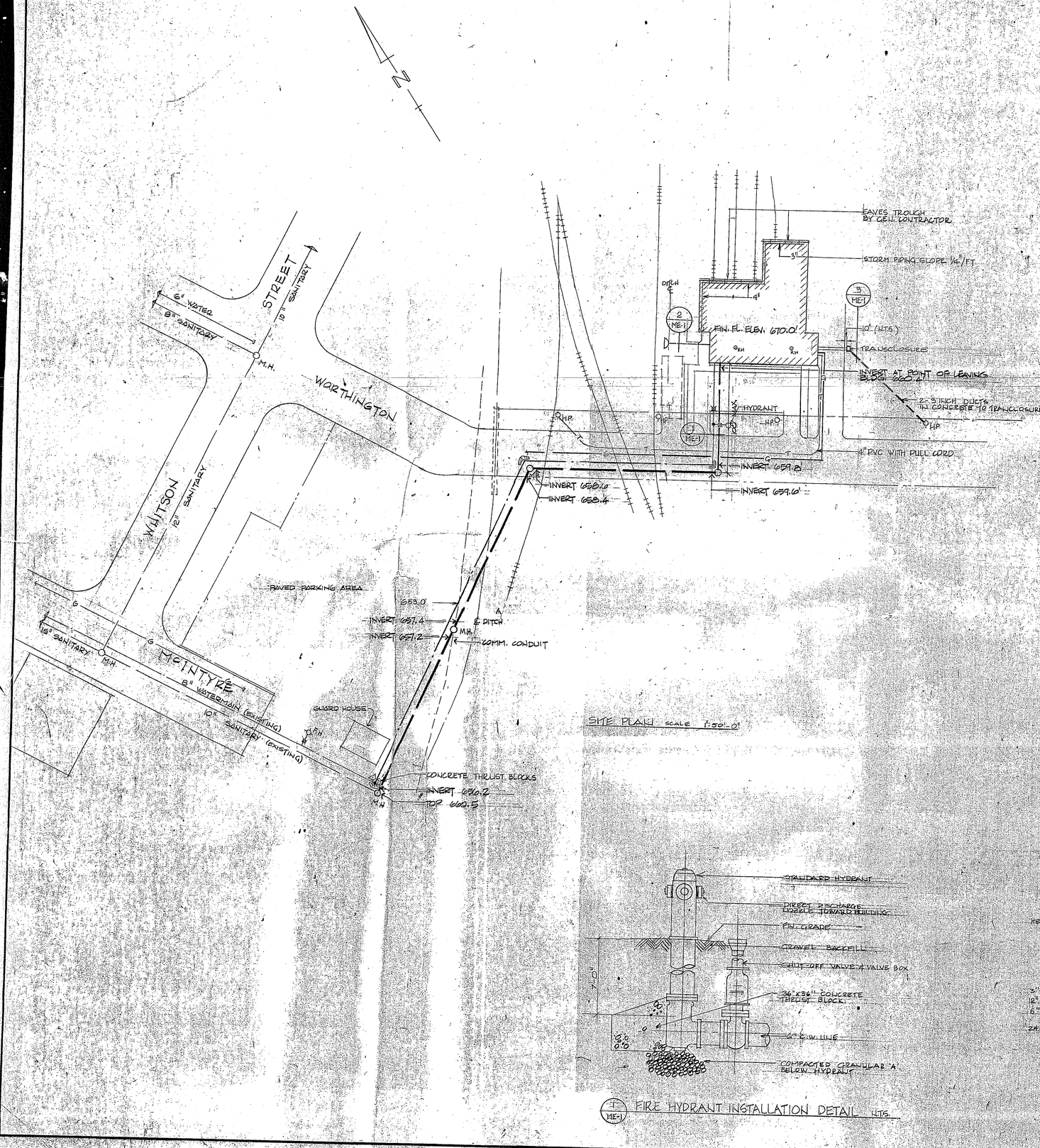
ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE GENERAL CONTRACTOR

O.N.R.
MAINTENANCE OF WAY
REPAIR BUILDING
NORTH BAY, ONT.

HVAC PLAN AND DETAILS

SCALE AS NOTED
DATE MARCH 1985
DRAWN BY A.M.
JOB NO. 84-50

M-2



SITE PLAN SCALE 1:30'-0"

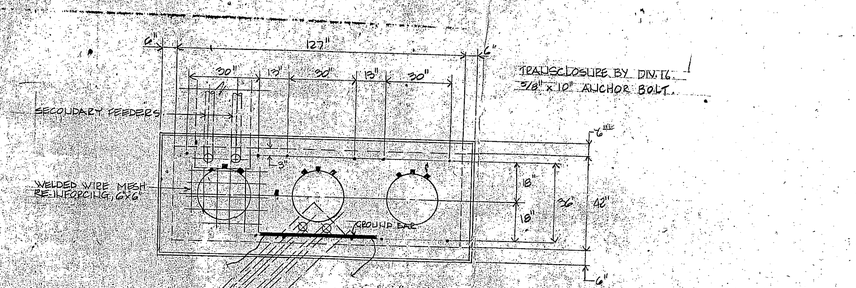
1 ME-1 FIRE HYDRANT INSTALLATION DETAIL NTS.

ELECTRICAL LEGEND

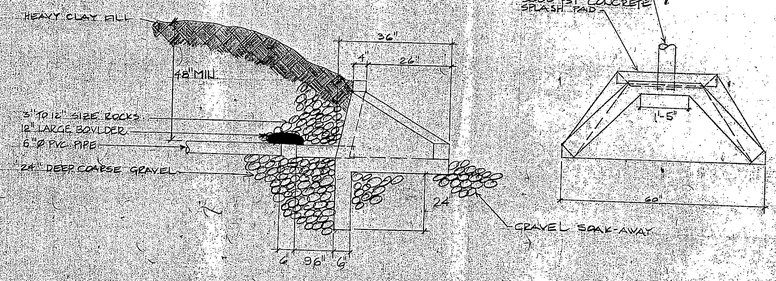
- FLUORESCENT LIGHTING FIXTURE
- INCANDESCENT FIXTURE, CLG. MTD.
- INCANDESCENT FIXTURE, WALL MTD.
- EXIT LIGHT FIXTURE, CLG. MTD.
- EXIT LIGHT FIXTURE, WALL MTD.
- DUPLEX CONVENIENCE OUTLET
- DUPLEX OUTLET, MTD. OVER COUNTER
- SPLIT RECEPTACLE, MTD. OVER COUNTER
- W.P. WEATHERPROOF OUTLET
- B.P. BATTERY PACK OUTLET, MTD. 72" AFF
- SPECIAL OUTLET, AS NOTED
- FAN MOTOR
- DAMPER MOTOR
- MOTOR (H.P.)
- 3 PHASE MOTOR
- WALL SWITCH
- 3 WAY SWITCH
- S.S.C. SWITCH, SOLID STATE SPEED CONTROLLER
- S.P.L. SWITCH, PILOT LIGHT
- TELEPHONE OUTLET
- TELEPHONE CONDUIT
- ELECTRICAL WIRING RUN
- EM EMERGENCY WIRING RUN
- EMERGENCY LTG. FIXTURE, DOUBLE HEAD
- EMERGENCY LTG. FIXTURE
- ELECTRIC B.B. HEATER
- T THERMOSTAT
- T W/G THERMOSTAT W/ GUARD

MECHANICAL LEGEND

- SANITARY SEWER, ABOVE GRADE
- SANITARY SEWER, BELOW GRADE
- S STORM SEWER, ABOVE GRADE
- S STORM SEWER, BELOW GRADE
- DOMESTIC COLD WATER PIPING
- DOMESTIC HOT WATER PIPING
- HOT WATER RE-CIRC. PIPING
- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- H.B. HOSE BIBB
- C.O. CLEAN-OUT
- TRAP
- F.D. FLOOR DRAIN
- F.F.D. FUNNEL FLOOR DRAIN
- R.D. ROOF DRAIN
- SHOCK ABSORBER
- VENT PIPING
- TRAP SEAL PRIMER
- A COMPRESSED AIR LINE
- G GAS PIPING
- O OIL DRAW-OFF LINE
- S OIL SUCTION LINE
- UNION
- F.E. FIRE EXTINGUISHER & RACK
- F.E.C. FIRE EXTINGUISHER CABINET
- SUPPLY AIR DUCT
- EXHAUST AIR DUCT
- TEMPERATURE INSULATED DUCT
- FLEXIBLE DUCT CONNECTION
- ACOUSTICALLY INSULATED DUCT
- CEILING AIR REGISTER
- DOOR GRILLE SIZE



2 ME-1 TRANSFORMER PAD DETAIL SCALE: 3/8"=1'-0"



2 ME-1 CONCRETE STORM SEWER SPLASH PAD NTS.

KINISTRY OF LABOUR REVIEWED AS INDICATED IT APPEARS TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS APR 16 1985 DISTRICT ENGINEER, OCCUPATIONAL HEALTH AND SAFETY BRANCH

PROFESSIONAL ENGINEERS ACT R. F. PARKHOUSE 2731 PROVINCE OF ONTARIO

GERALD B. COX ARCHITECT 370 FISHER STREET NORTH BAY, ONTARIO 474-6670

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE GENERAL CONTRACTOR.

O.N.R. MAINTENANCE OF WAY REPAIR BUILDING NORTH BAY, ONT.

PLOT PLAN AND DETAILS

SCALE AS NOTED
DATE MARCH, 1985
DRAWN BY A.M.
JOB NO. 84-30

ME-1

PROVIDE MOUNTING HARDWARE AND SECURE TO SIDES OF CONCRETE COVE

12"x8" EXHAUST GRILLE, TO BE DUCTED

PIT FL.

EXPLOSION PROOF LIGHT FIXTURE MODEL C

EXPLOSION PROOF CONVENIENCE OUTLET CROUSE-HINDS CRS 20A 120V WITH EDS BASE BOX

STEEL GRATE 1/4"x1 1/2" @ 3" c/c - 3/16" COPPER MESH SECURED TO UNDERSIDE, ALL SIDES WITH 1/2" ANCHOR BOLTS PER SIDE

1/4" PRIMER LINE SEAL AT CONCRETE WITH MASTIC LOCATE ↕ ABOVE HIGHEST POSSIBLE WATER LEVEL

SLOPED CAST IRON "Y" WITH CLEAN OUT

18"

48"

5'-6"

2'-2" ±

10"

20 GA. GALVANIZED STEEL W/ 2 COAT PRIMER AND 2 FINISH COATS COLOUR BY ARCHITECT

INSULATED REFRIGERANT LINES TO CONDENSER

ROOF LINE

BAFFLE TO BE FLASH TO ROOF WITH WOODEN CANT STRIP, SEVERAL LAYERS OF ROOFING FELT & SEAL WITH MASTIC OR OTHER SUITABLE SEALANT

FILL WITH INSULATION

GASKET

GASKETED S.S. 5/16" STOVE BOLTS W/ LOCK WASHERS

1 MS-2 EXPLOSION PROOF FIXTURE DETAIL SCALE 3/4"=1'-0"

2 MS-2 SCALE

98x98 SUPPLY RETURN MOTORIZED LOW-LEAK DAMPER

FILTER BOX

MIXING BOX

14" O.W.S.J. @ 24" O.C.

18x72

18x72

2½"ø GAS LINE

SQUARE HEAD SHUTOFF

1" FLANGE ALL AROUND

98x98 DUCT

6 MOTORIZED CLOSED BLADE DAMPERS, SPRING RETURN

4 @ 12"x 24"

1 @ 24"x 12"

1 @ 24"x 30"

FLEXIBLE DUCT CONNECTION

1" DIA. COPPER DRAIN

3 MS-2 A/H UNIT INSTALLATION SCALE 3/8"=1'-0"

1" FLANGE ALL AROUND

18"x24" DUCT

DIRECT FIRED GAS HEATER
PRAYO COUNTERFLO MODEL CF100
GOLD FIRE OUTPUT 100,000 BTU ± 0.25%
5HP

VIBRATION ISOLATORS

SUCTION & LIQUID LINES TO ROOF TOP CONDENSING UNIT INSULATE FOR FULL LENGTH

16x36

16x36

24x24

24x24

BLOWER COIL - FILTER UNIT
DP FLOW
LENNOX CB10-45
208/230V 1PH 60 HZ
MODIFY BLOWER TO APPROVE
2245 CFM @ 0.5" W.G.
7½ KW 12.6 KW ELECTRIC HEAT

VIBRATION ISOLATORS

FLEXIBLE DUCT CONNECTION

1 MS-2 A/C UNIT INSTALLATION SCALE 3/8"=1'-0"

ADJUSTABLE SUPPLY GRILLE E.H. PRICE 18"x24" FL1S20DAGS

1 1/4"x1 1/4"x 3/16" FRAME

SUPPLY A.P. DUCT

ROOF

18"x36"

115

R.A. GRILLE E.H. PRICE 18"x36" FL1SCODAGS7

18"x36"

5 MS-2 N.T.S.

MINISTRY OF LABOUR REVIEWED
THIS DRAWING COMPLIES WITH THE REQUIREMENTS OF THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS
APR 16 1985
ONLY THOSE REVIEWED COPIES BEARING THE MINISTRY OF LABOUR STAMP SHALL BE USED ON THE JOB

GERALD B. COX
ARCHITECT
[illegible]

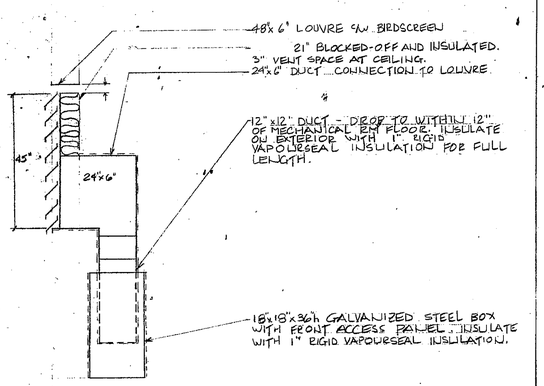
THE ARCHITECT REPORTS TO THE OWNER ANY DEFICIENCIES OBSERVED IN THE WORK OF THIS GENERAL CONTRACTOR.

O.N.R.
MAINTENANCE OF WAYS
REPAIR BUILDING
NORTH BAY, ONT.

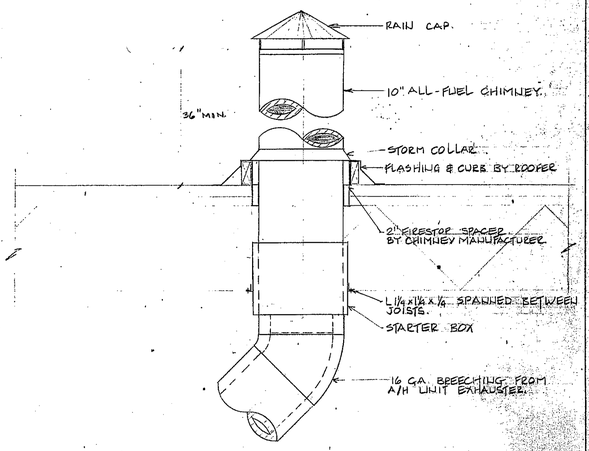
DETAILS

SCALE AS NOTED
DATE MAR. 15 1985
DRAWN BY GBC
JOB NO. 84-55

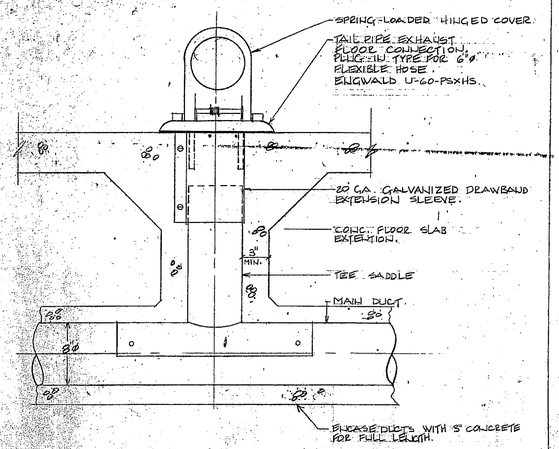
MS-2



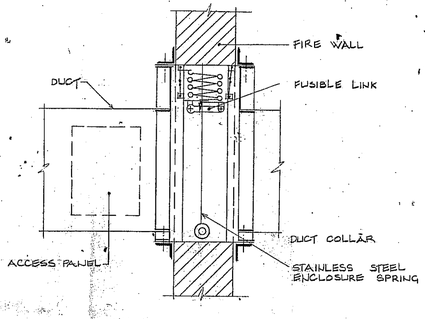
1 ME3 COMBUSTION VENTILATION AIR ASSEMBLY 1/8"=1'-0"



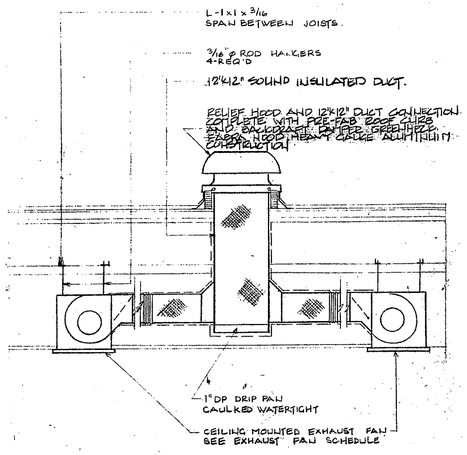
2 ME3 A/H CHIMNEY SECTION SCALE 1"=1'-0"



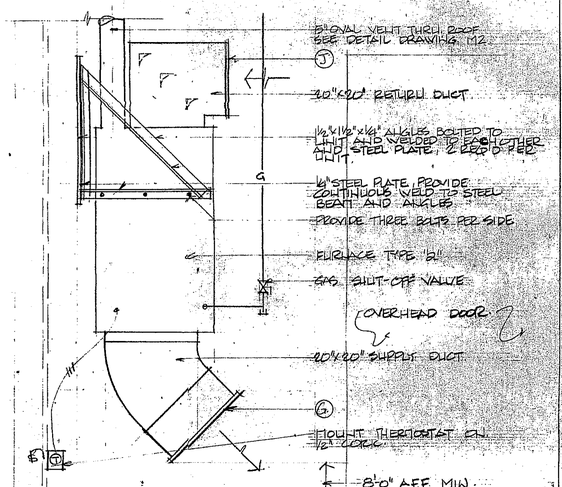
3 ME3 TAIL PIPE EXHAUST SYSTEM NTS



4 ME3 VERTICAL FIRE DAMPER MOUNTING DETAIL

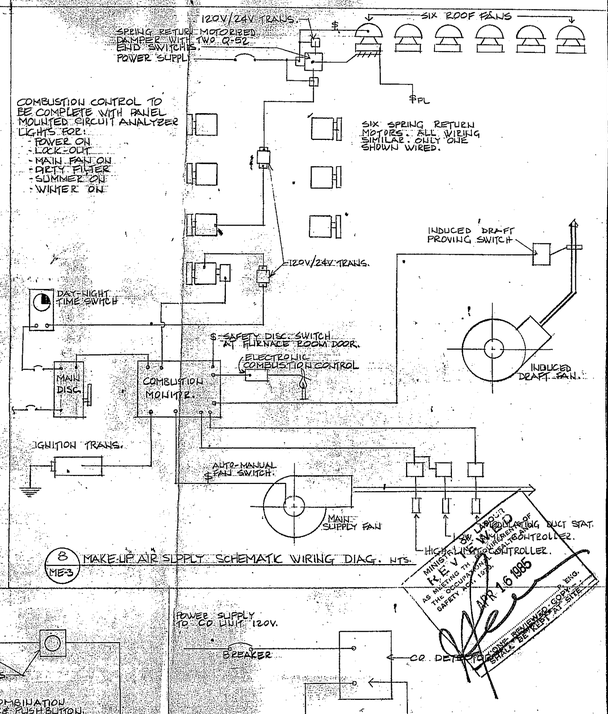


5 ME3 CEILING MOUNTED EXHAUST FAN DETAIL NTS.



6 ME3 FURNACE "B" MOUNTING DETAIL SCALE 3/4"=1'-0"

7 ME3 N.T.S



8 ME3 MAKE-UP AIR SUPPLY SCHEMATIC WIRING DIAG. NTS.

DIFFUSER SCHEDULE

A- SUPPLY & RETURN CEILING DIFFUSER 24"x24" NECK SIZE 10"ø, OFF-WHITE BAKED ENAMEL FINISH MOUNTED IN T-BAR CEILING C/W BALANCING DAMPER AND EQUALIZING GRID. E.H. PRICE MOD 16-TH24-2

B- SUPPLY & RETURN CEILING DIFFUSER 24"x24" NECK SIZE 10"ø, OFF WHITE BAKED ENAMEL FINISH MOUNTED IN T-BAR CEILING C/W BALANCING DAMPER AND EQUALIZING GRID. E.H. PRICE MOD 16-TH24-5

C- SUPPLY & RETURN CEILING DIFFUSER 12"x12" NECK SIZE 6"ø AND TO DRILL PANEL 24"x24" OFF WHITE BAKED ENAMEL FINISH. MOUNTED IN T-BAR CEILING C/W BALANCING DAMPER AND EQUALIZING GRID. E.H. PRICE MOD 6-TH6A-3

D- ROUND SUPPLY DIFFUSER 6"ø NECK SIZE MOUNTED BETWEEN JOIST, FINISH TO MATCH DECK. E.H. PRICE: T-1.

E- SUPPLY GRILLE EXTRUDED ALUMINUM DOUBLE DEFLECTION GRILLES WITH TWO SETS OF ADJUSTABLE LOUVERS. FINISH TO BE BAKED ENAMEL PRIME COAT. FINAL COLOUR BY ARCHITECT. SIZE 10"x00 CFM 12"W x 6"H HIGH ANEMOSTAT X25V

F- RETURN GRILLE HEAVY DUTY STEEL GRILLE WITH 16GA STEEL FRAME AND BALANCING DAMPER OF 18GA STEEL SIZE 12"W x 20"H HIGH, BAKED ENAMEL PRIME COAT FINISH. 1000 CFM, ANEMOSTAT HOOD.

G- SUPPLY GRILLE EXTRUDED ALUMINUM DOUBLE DEFLECTION GRILLE WITH TWO SETS OF ADJUSTABLE LOUVERS. FINISHED WITH TWO COATS OFF WHITE EPOXY PAINT. SIZE 1000 CFM 20"x 20" ANEMOSTAT X25V.

H- RETURN GRILLE HEAVY DUTY STEEL GRILLE WITH 16GA STEEL FRAME AND BALANCING DAMPER OF 18GA STEEL SIZE 12"W x 16"H x 8"H HIGH. ANEMOSTAT HOOD.

I- EXHAUST GRILLE 6"x12" MOUNTED BETWEEN JOISTS. FINISHED BAKED ENAMEL PAINT TO MATCH DECK ANEMOSTAT GCE.

J- RETURN AIR GRILLE 22"x20" HEAVY DUTY STEEL GRILLE WITH 16GA STEEL FRAME. PROVIDE BAKED ENAMEL PRIME COAT FINISH BY ARCHITECT. ANEMOSTAT HOOD.

FAN SCHEDULE

#1 TAIL PIPE EXHAUST, FAN 1½ H.P. 288 SPH @ 1650 RPM, WHEEL SIZE 22"x4"x9", 2100 CFM @ 1615 S.P. B&W/ALD FAN #16

#2 ROOF EXHAUSTER 2000 CFM 3/4 H.P. 1200 RPM @ 0.65 S.P. 208 SPH 3Ø PEE-FAB CURB. SEE DETAIL, PENN VENTILATOR LC DYNAFAN MOD 12/40A

#3 ROOF EXHAUSTER 6000 CFM 1½ H.P. 595 RPM @ 0.55 S.P. 720 SPH 3Ø PEE-FAB CURB SEE DETAIL, PENN VENTILATOR LC DYNAFAN MOD. LC 20A

#4 ROOF EXHAUSTER 1000 CFM ½ H.P. 550 R.P.M @ 0.65 S.P. 125 SPH 3Ø PEE-FAB CURB CURB, SEE DETAIL AND EXPLOSION PROOF HOUSING. PENN VENTILATOR DOMEX MOD. XRB2

#5 ROOF EXHAUSTER 300 CFM ¼ H.P. 1550 R.P.M @ 0.5 S.P. 225 SPH 3Ø PEE-FAB CURB SEE DETAIL AND EXPLOSION PROOF HOUSING. PENN VENTILATOR DOMEX MOD. XRB4

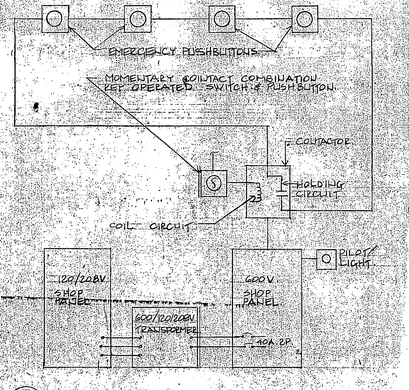
#6 CEILING MOUNTED EXHAUST FAN 1000 CFM @ 0.5 S.P. 120V 5 A.P. C/W GRILLE, BACKDRAFT DAMPER AND FRAME FOR DRYWALL CEILING. PENN ZEPHYR MOD 25 DISCHARGE MOD RA WIRE FAN TO LIGHT SWITCH IN WASHROOMS

#7 CEILING MOUNTED EXHAUST FAN 300 CFM @ 0.55 S.P. 120V 5 A.P. C/W CEILING GRILLE & FRAME FOR DRYWALL AND BACKDRAFT DAMPER. PENN ZEPHYR MODEL 25 DISCHARGE MODEL RA WIRE TO LIGHT SWITCH

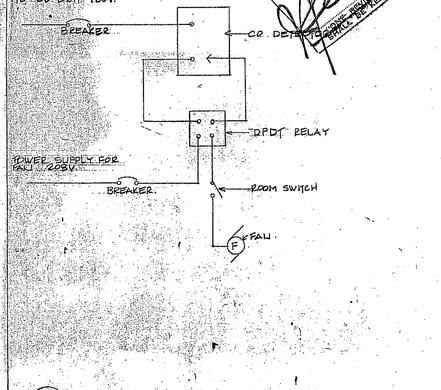
#8 CEILING MOUNTED EXHAUST FAN 1200 CFM @ 0.55 S.P. 120V 5 A.P. C/W CEILING GRILLE, BACKDRAFT DAMPER, ROOF CAP AND SOLID STATE SPEED CONTROLLER. PENN ZEPHYR MOD. 21C DISCHARGE MOD RA CAP MOD. IIFR, AND SPEED CONTROLLER LPSD

#9 WALL-TUBE EXHAUST FAN MOUNTED WITH VIBRATION ISOLATORS, QUIET OPERATION, WALL CONTROL SPEED CONTROLLER ENCLOSED MOTOR AND BELTS. EXPLOSION PROOF HOUSING 1865 CFM @ 2" S.P. 3 H.P. 1725 R.P.M. 575 V/3Ø/60 PENN-COLLTEX MOD. RBX-DBE ROOF MOUNTED EXHAUST CAP. SEE DETAILS. C/W DRAWING ME 3.

(non-ferrous blades)



9 ME3 PUSHBUTTON DISCONNECT WIRING DIAGRAM NTS.



10 ME3 CO DETECTOR WIRING DIAGRAM NTS. (6 REQUIRED)

GERALD R. COX
REGISTERED ARCHITECT
NORTH BAY, ONTARIO
2751

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE GENERAL CONTRACTOR.

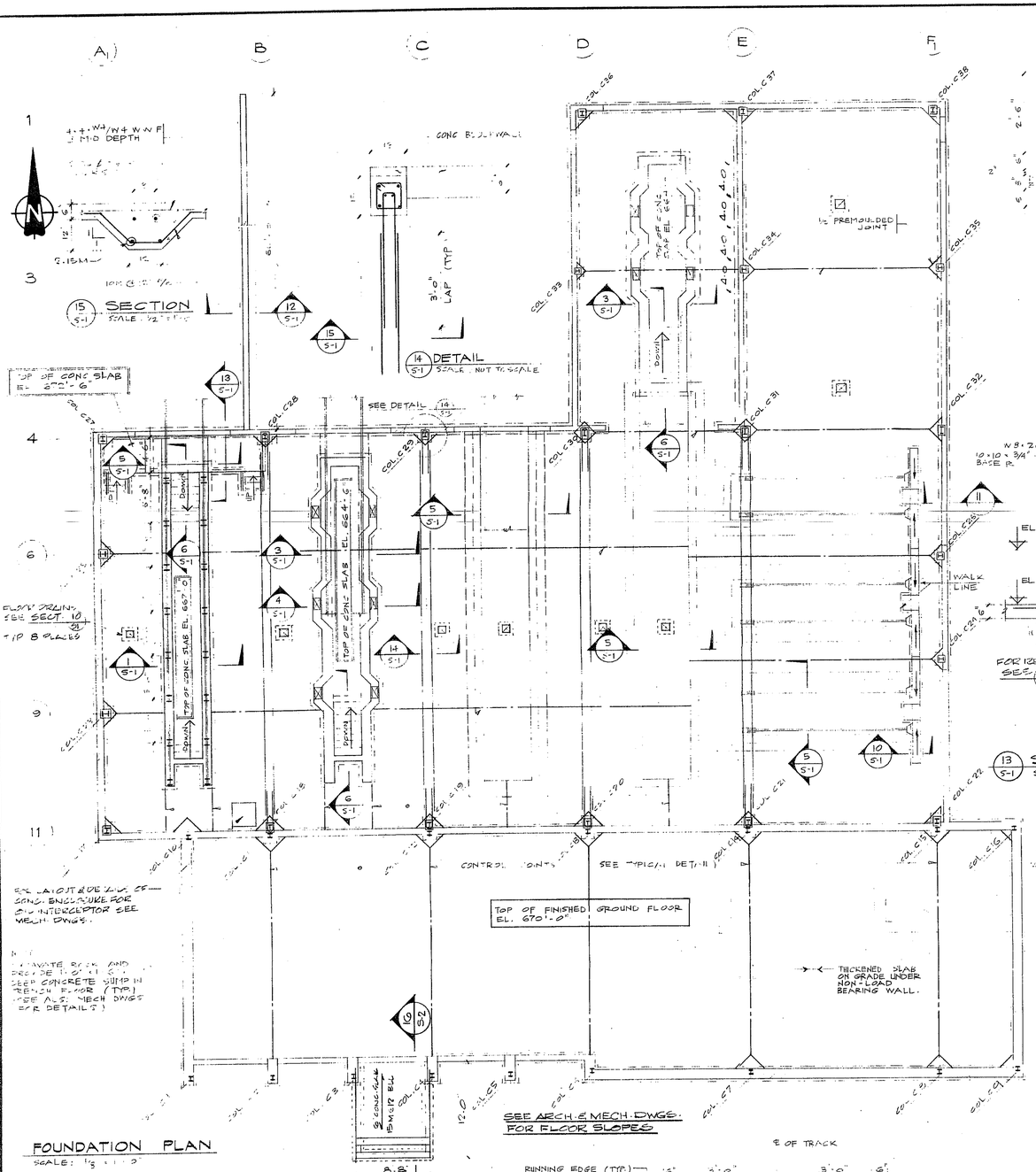
O.N.R.
MAINTENANCE OF WAY
REPAIR BUILDING
NORTH BAY, ONT.

DETAILS

SCALE AS NOTED
DATE MARCH 1985
DRAWN BY A.M. & T.K.
JOB NO. 84-130

ME-3

MINISTRY OF NATURAL RESOURCES
M.E.V. Mechanical
As Amended
This Specification
Dated June 1985
APR 16 1985
Approved for Construction
Approved for Permit



FOUNDATION PLAN

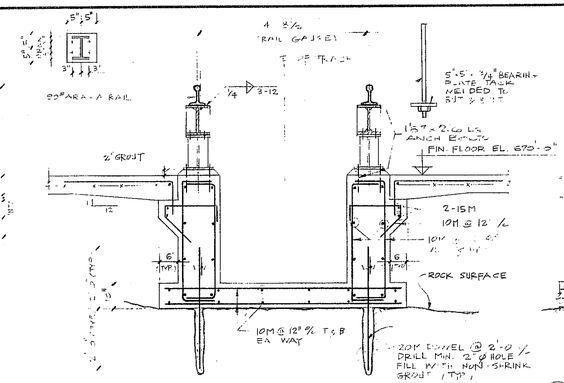
SCALE: 1/8" = 1'-0"

NOTES

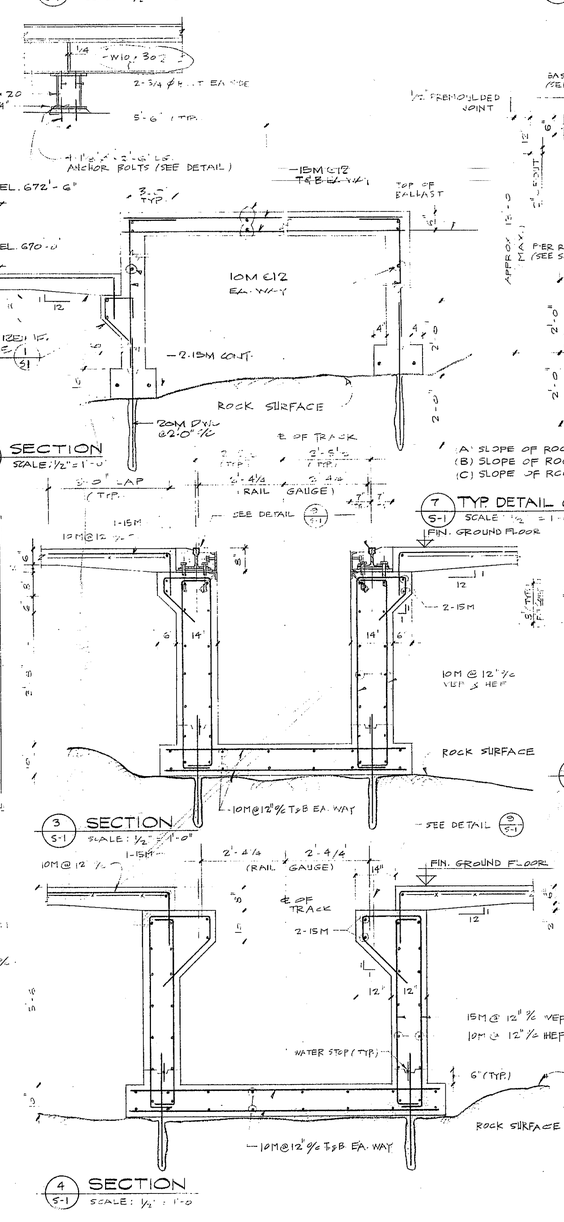
1. CENTRE FOOTINGS AND PIERS UNDER CENTROID OF COLUMNS, AND FOOTINGS UNDER CENTROID OF WALLS, UNLESS OTHERWISE NOTED.
2. FOOTINGS SHALL BE CARRIED DOWN TO BEDROCK CAPABLE OF SUSTAINING A MIN SAFE BEARING CAPACITY OF 100,000 lbs. PER SQ. FT. (ASSUMED). VERIFICATION OF THE ARCHITECT AND/OR SOIL CONSULTANT MUST BE OBTAINED PRIOR TO POURING OF THE CONCRETE FOOTINGS.
3. TOP OF SLAB ON GRADE TO BE "0" BELOW FINISHED FLOOR, EXCEPT AS OTHERWISE NOTED.
4. CONCRETE SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS
5. REINFORCING STEEL SHALL HAVE A MIN. YIELD STRENGTH OF 60 KSI.
6. SLAB ON GRADE SHALL BE PLACED ON SOIL CAPABLE OF SUSTAINING 500 PSF WITHOUT SETTLEMENT RELATIVE TO BUILDING FOOTINGS.
7. SLAB ON GRADE SHALL BE THICKENED UNDER ALL NON-LOAD BEARING MASONRY WALLS, REINFORCED WITH 3-15 M CONT. BARS.
8. MAIN FOOTING TO BE 10" DEEP WITH 4" PROJECTIONS REINFORCED WITH 2-15M CONT BARS, UNLESS OTHERWISE NOTED ON PLAN.
9. WATERSTOPS SHALL BE DURAJOINT TYPE 5 POLYVINYLCHORIDE WATERSTOPS BY GRACE OR APPROVED EQUIVALENTS.
10. DETAILS AND LAYOUT OF PRE-ENGINEERED BUILDING PIERS AND FOOTINGS TO BE ADJUSTED AND VERIFIED AFTER THE SELECTION OF PRE-ENGINEERED BUILDING SUPPLIER.

15 SECTION
5-1 SCALE: 1/2" = 1'-0"

14 DETAIL
5-1 SCALE: NOT TO SCALE



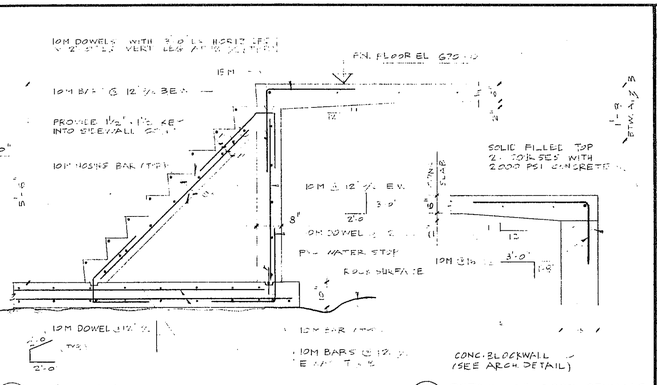
1 SECTION
5-1 SCALE: 1/2" = 1'-0"



13 SECTION
5-1 SCALE: 1/2" = 1'-0"

3 SECTION
5-1 SCALE: 1/2" = 1'-0"

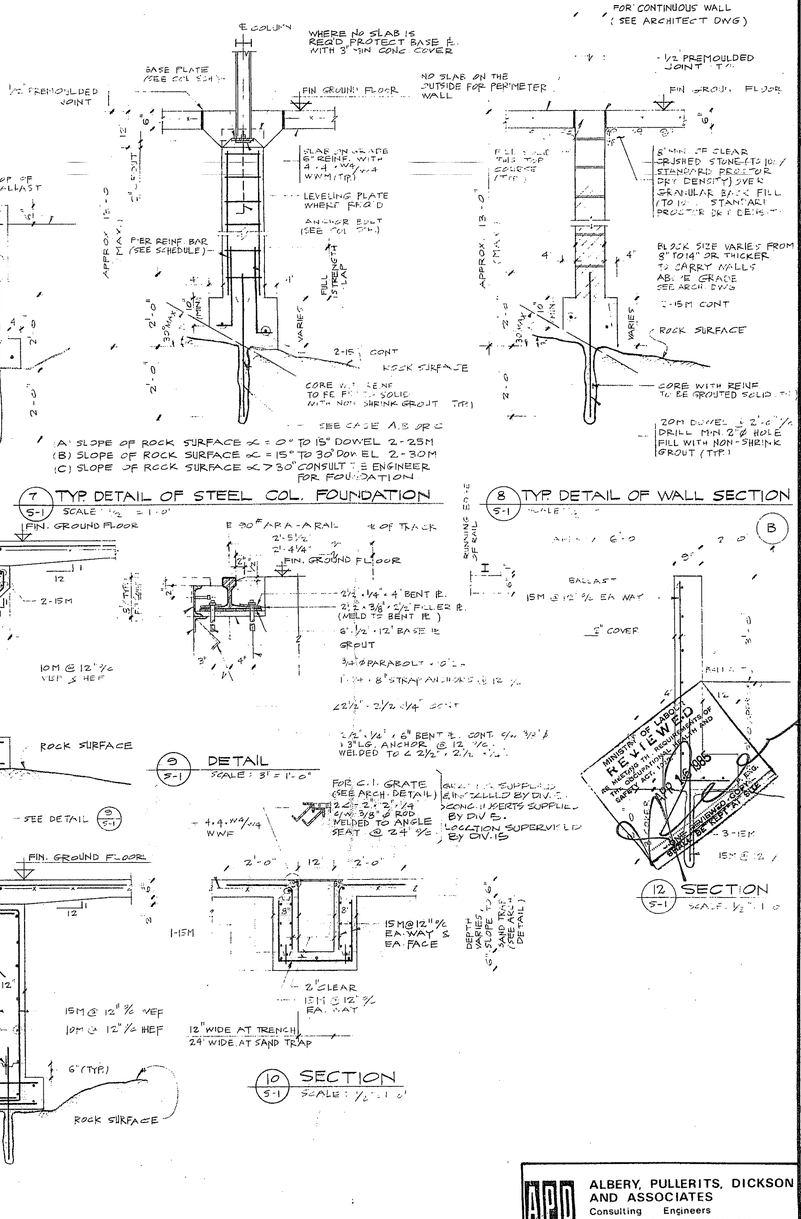
4 SECTION
5-1 SCALE: 1/2" = 1'-0"



6 SECTION
5-1 SCALE: 1/2" = 1'-0"

11 DETAIL AT DOOR OPENING
5-1 SCALE: 1/2" = 1'-0"

FOR CONTINUOUS WALL (SEE ARCHITECT DWG)



(A) SLOPE OF ROCK SURFACE ∠ = 0° TO 15° DOWEL 2-25M
(B) SLOPE OF ROCK SURFACE ∠ = 15° TO 30° DOWEL 2-30M
(C) SLOPE OF ROCK SURFACE ∠ > 30° CONSULT THE ENGINEER FOR FOUNDATION

SEE CASE A, B OR C

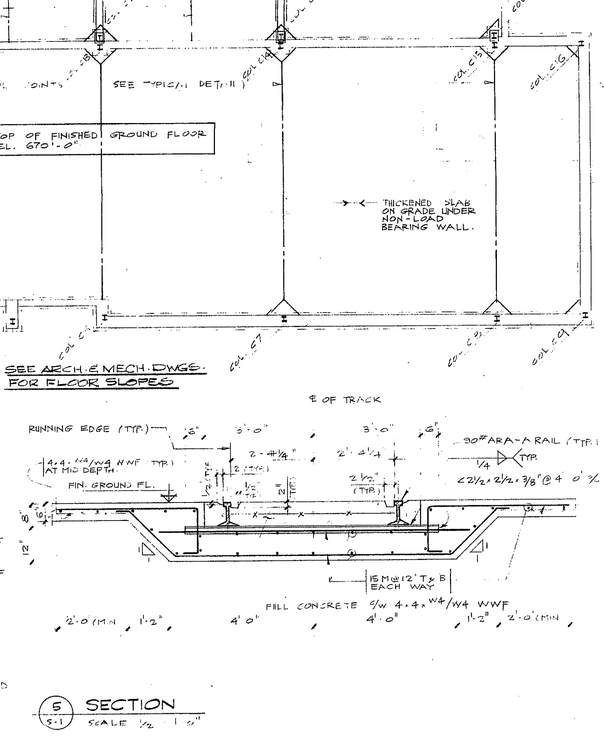
7 TYP DETAIL OF STEEL COL. FOUNDATION
5-1 SCALE: 1/2" = 1'-0"

8 TYP DETAIL OF WALL SECTION
5-1 SCALE: 1/2" = 1'-0"

9 DETAIL
5-1 SCALE: 3" = 1'-0"

10 SECTION
5-1 SCALE: 1/2" = 1'-0"

12 SECTION
5-1 SCALE: 1/2" = 1'-0"



5 SECTION
5-1 SCALE: 1/2" = 1'-0"

GERALD B. COX
ARCHITECT
373 FISHER STREET
NORTH BAY, ONTARIO
472-8350

REGISTERED PROFESSIONAL ENGINEER
A. T. ABRERA
PROVINCE OF ONTARIO

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE GENERAL CONTRACTOR.

O.N.R.
MAINTENANCE OF WAY REPAIR BUILDING
North Bay, Ont.

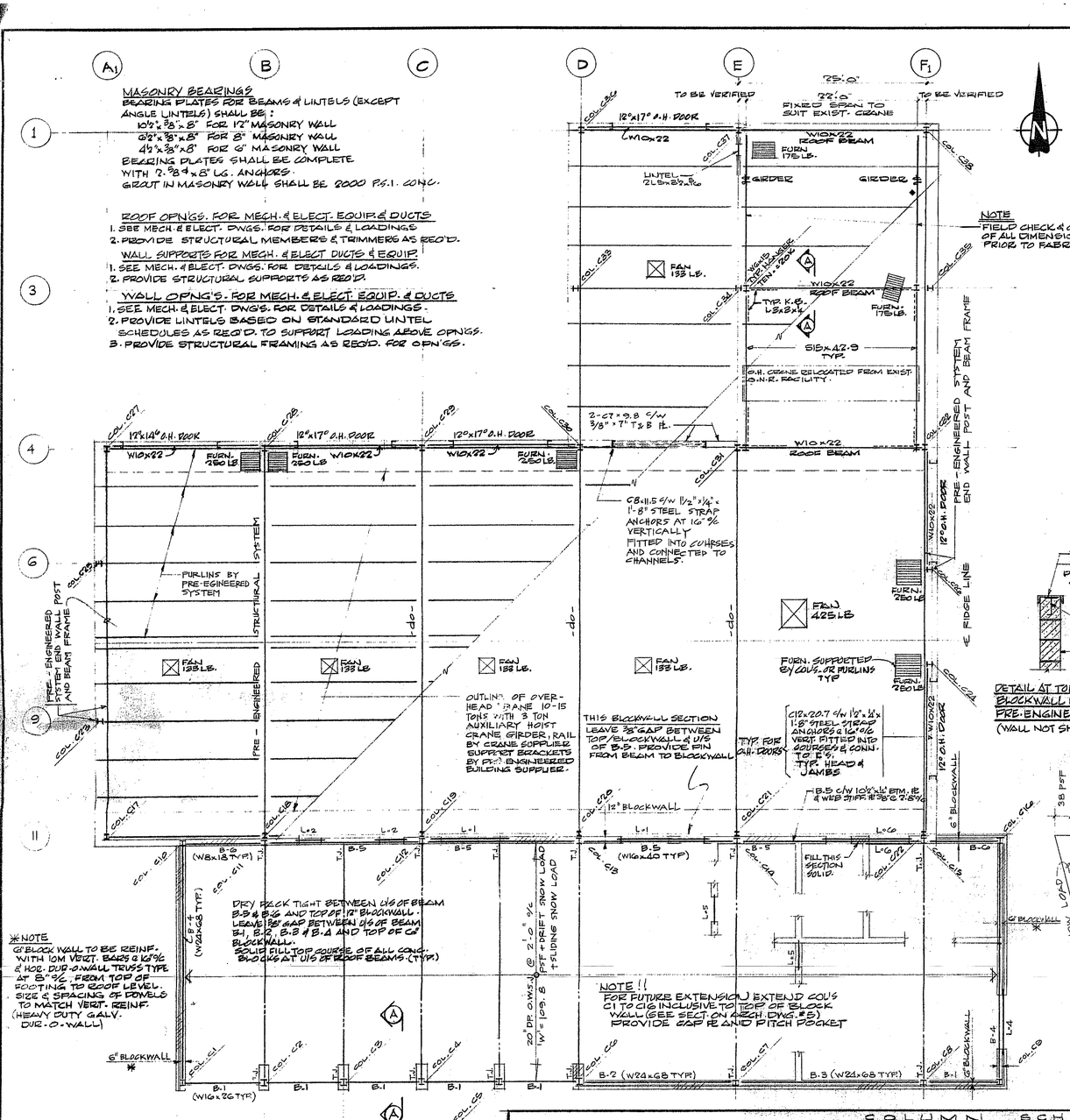
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APR 9 1985

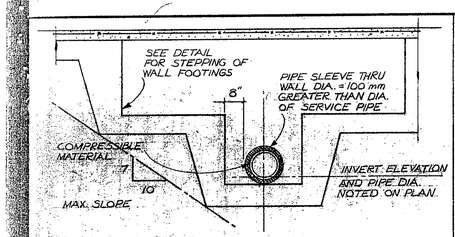
FOUNDATION PLAN AND SECTIONS

SCALE	AS NOTED
DATE	MARCH, 1985
DRAWN BY	TE
JOB NO.	

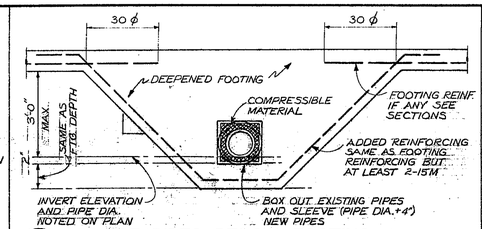
S-1

APD
ALBERY, PULLERITS, DICKSON AND ASSOCIATES
Consulting Engineers
TORONTO SUDBURY FREDERICTON YELLOWKNIFE

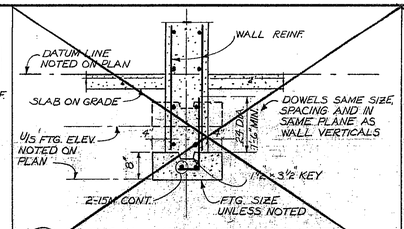

A1
B
C
D
E
F1
1
3
4
6
9
11
MASONRY BEARINGS
BEARING PLATES FOR BEAMS & LINTELS (EXCEPT ANGLE LINTELS) SHALL BE:
10½"x8"x8" FOR 12" MASONRY WALL
8½"x8"x8" FOR 8" MASONRY WALL
4½"x8"x8" FOR 6" MASONRY WALL
BEARING PLATES SHALL BE COMPLETE WITH 2-⅞"ø x 8" LG. ANCHORS.
GROUT IN MASONRY WALL SHALL BE 20MPa P.S.I. CONC.
ROOF OPNGS. FOR MECH. & ELECT. EQUIP. & DUCTS
1. SEE MECH. & ELECT. DWGS. FOR DETAILS & LOADINGS.
2. PROVIDE STRUCTURAL MEMBERS & TRIMMERS AS REQ'D.
WALL SUPPORTS FOR MECH. & ELECT DUCTS & EQUIP.
1. SEE MECH. & ELECT. DWGS. FOR DETAILS & LOADINGS.
2. PROVIDE STRUCTURAL SUPPORTS AS REQ'D.
WALL OPNG'S. FOR MECH. & ELECT. EQUIP. & DUCTS
1. SEE MECH. & ELECT. DWGS. FOR DETAILS & LOADINGS.
2. PROVIDE LINTELS BASED ON STANDARD LINTEL SCHEDULES AS REQ'D. TO SUPPORT LOADING ABOVE OPNGS.
3. PROVIDE STRUCTURAL FRAMING AS REQ'D. FOR OPN'GS.
TO BE VERIFIED
25'-0"
32'-0" FIXED SPAN TO SUIT EXIST. CRANE
TO BE VERIFIED
12'x17'-0" O.H. DOOR
W10x22 ROOF BEAM
FURN. 175 LB.
LINTEL - 5 2LS x 3½ x ⅜
GIRDER
GIRDER
FAN 133 LB.
W10x22 ROOF BEAM
FURN. 175 LB.
TYP. K.B. L 3x3x¼
S15x42.9 TYP.
O.H. CRANE RELOCATED FROM EXIST. O.N.R. FACILITY.
2-C7 x 9.8 c/w ⅜" x 7" x 8' LG.
W10x22 ROOF BEAM
12'x14'-0" O.H. DOOR
12'x17'-0" O.H. DOOR
12'x17'-0" O.H. DOOR
W10x22
FURN. 250 LB
W10x22
FURN. 250 LB
W10x22
FURN. 250 LB
C8 @ 11.5 c/w ½" x ¼" x 1'-8" STEEL STRAP ANCHORS AT 16" c/c VERTICALLY FITTED INTO COURSES AND CONNECTED TO CHANNELS.
FURN. 250 LB
FAN 425 LB
FURN. SUPPORTED B/W JOISTS OR PURLINS TYP.
FURN. 250 LB
PRE-ENGINEERED STRUCTURAL SYSTEM
PURLINS BY PRE-ENGINEERED SYSTEM
PRE-ENGINEERED STEEL END WALL POST AND BEAM FRAME
FAN 133 LB.
FAN 133 LB.
FAN 133 LB.
FAN 133 LB.
OUTLINE OF OVERHEAD CRANE 10-15 TONS WITH 3 TON AUXILIARY HOIST CRANE GIRDER, RAIL BY CRANE SUPPLIER SUPPORT BRACKETS BY PRE-ENGINEERED BUILDING SUPPLIER.
THIS BLOCKWALL SECTION LEAVE 25" GAP BETWEEN TOP BLOCKWALL & U/S OF B-5. PROVIDE FIN FROM BEAM TO BLOCKWALL
TYP. FOR ALL DOORS
C12 x 20.7 c/w 1½" x ¼" x 1'-8" STEEL STRAP ANCHORS @ 16" c/c VERT. FITTED INTO COURSES & CONN. TO C's. TYP. HEAD & JAMBS
B-5 c/w 10½" x ¼" BTM. PL & WEB STIFF. @ 36" c/c 2-8¾"ø
12" BLOCKWALL
12" BLOCKWALL
12" BLOCKWALL
6" BLOCKWALL
6" BLOCKWALL
6" BLOCKWALL
6" BLOCKWALL
W10x22
W10x22
W10x22



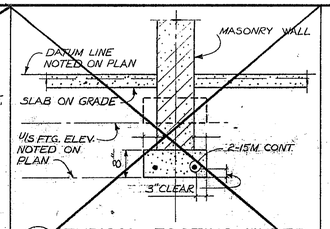
1 5-3 **SERVICE PIPES REQUIRING STEPPED FOOTINGS**



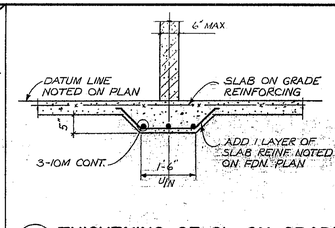
2 5-3 **SERVICE PIPES BELOW FOOTING ELEVATION**



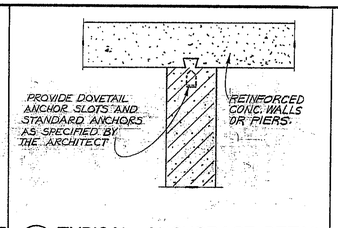
TYPICAL UNREINFORCED FTG. UNDER CONCRETE WALL



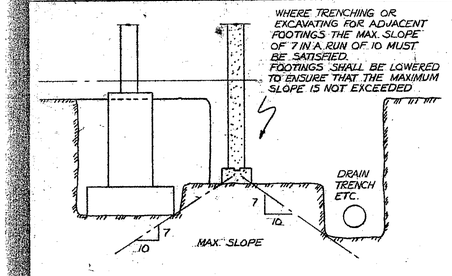
TYPICAL FOOTING UNDER MASONRY WALL



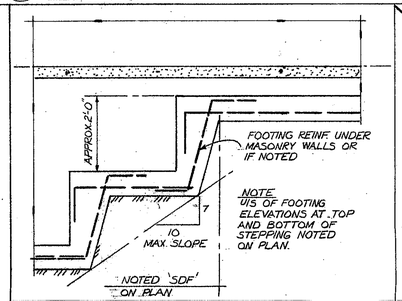
3 5-3 **THICKENING OF SL. ON GRADE UNDER PARTITION WALLS**



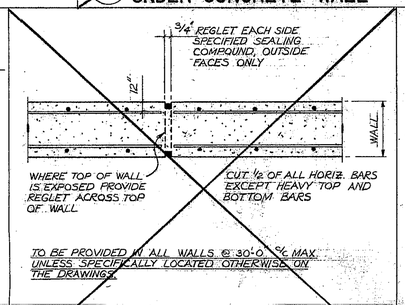
4 5-3 **TYPICAL ANCHORAGE DETAIL MASONRY TO CONCRETE WALL**



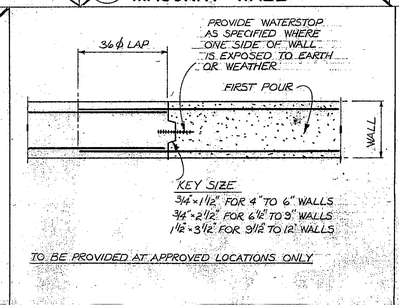
5 5-3 **ELEVATIONS OF ADJACENT FOOTINGS AND EXCAVATIONS**



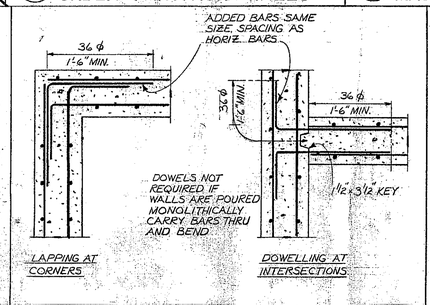
6 5-3 **TYPICAL STEPPING OF WALL FOOTINGS**



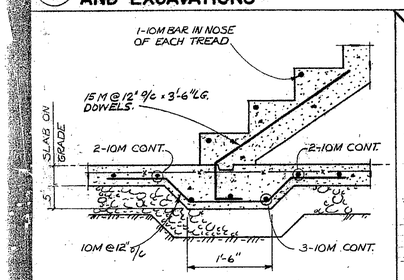
TYPICAL VERTICAL CONTROL JOINT IN WALL



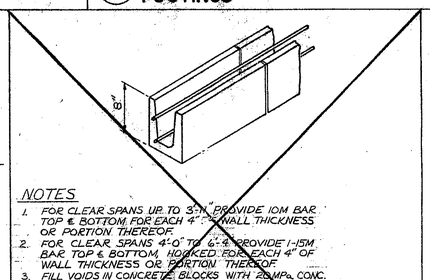
7 5-3 **TYPICAL VERTICAL CONSTR'N JOINT IN WALL**



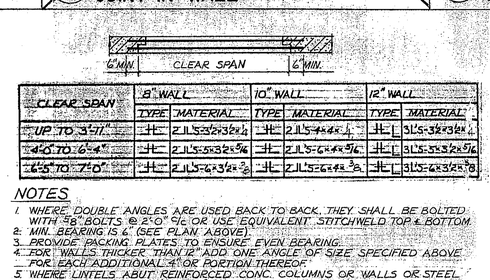
8 5-3 **WALL REINFORCING DOWELLING AND LAPS**



9 5-3 **TYPICAL THICKENING OF SLAB ON GRADE AT CONC. STAIRS**



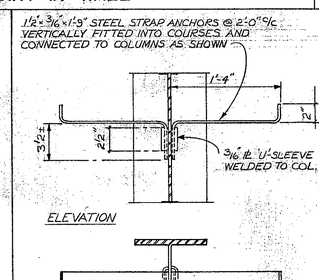
CONCRETE BLOCK LINTELS



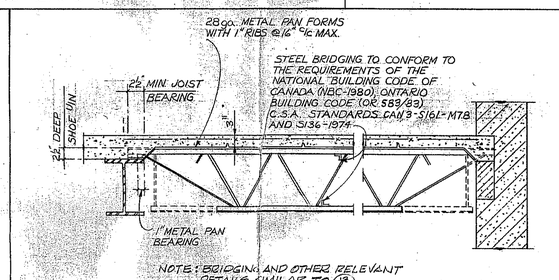
CLEAR SPAN	8" WALL		10" WALL		12" WALL	
	TYPE	MATERIAL	TYPE	MATERIAL	TYPE	MATERIAL
UP TO 3'-11"	H	2 L 3 1/2 x 3 1/2 x 1/4	H	2 L 5 x 3 1/2 x 1/4	H	3 L 5 x 3 1/2 x 3 1/16
4'-0" TO 6'-4"	H	2 L 5 x 3 1/2 x 5/16	H	2 L 5 x 3 1/2 x 5/16	H	3 L 5 x 3 1/2 x 5/16
6'-5" TO 7'-0"	H	2 L 5 x 3 1/2 x 3/8	H	2 L 5 x 3 1/2 x 3/8	H	3 L 5 x 3 1/2 x 3/8

NOTES
1. WHERE DOUBLE ANGLES ARE USED BACK TO BACK, THEY SHALL BE BOLTED WITH 5/8" BOLTS @ 2'-0" C/C OR USE EQUIVALENT STITCH WELD TOP & BOTTOM.
2. MIN. BEARING IS 6" (SEE PLAN ABOVE).
3. PROVIDE PACKING PLATES TO ENSURE EVEN BEARING.
4. FOR WALLS THICKER THAN 12" ADD ONE ANGLE OF SIZE SPECIFIED ABOVE FOR EACH ADDITIONAL 4" OR PORTION THEREOF.
5. WHERE LINTELS ABUT REINFORCED CONC. COLUMNS OR WALLS OR STEEL COLUMNS, PROVIDE 3'2x3'2x3'8 SEAT ANGLE WELDED TO STEEL COLUMNS OR ANCHORED TO CONC. WALL OR COLUMN WITH 2-34 ϕ INSERTS.
6. SEE PLANS AND/OR SECTIONS FOR SPANS GREATER THAN 7'0".
7. LINTELS FOR OPENING NOT NOTED ON PLANS

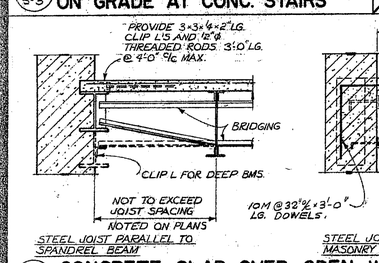
10 5-3 **STEEL LINTELS**



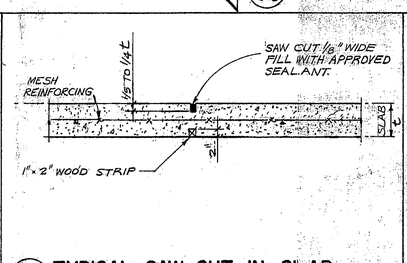
11 5-3 **DETAIL OF ANCHORAGE OF STEEL COLUMNS TO MASONRY WALLS**



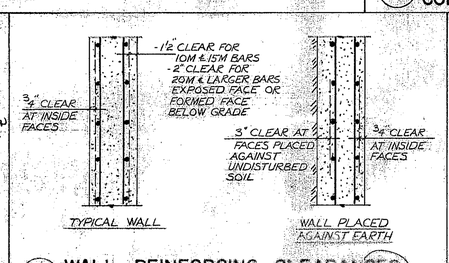
12 5-3 **CONCRETE SLAB ON METAL PAN FORMS OVER OPEN WEB STEEL JOISTS**



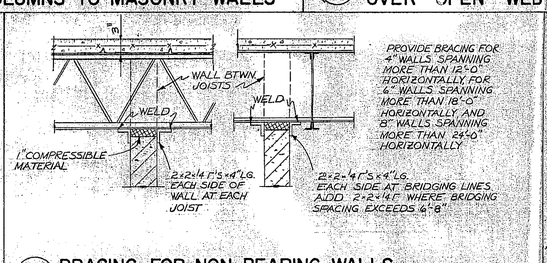
13 5-3 **CONCRETE SLAB OVER OPEN WEB STEEL JOISTS**



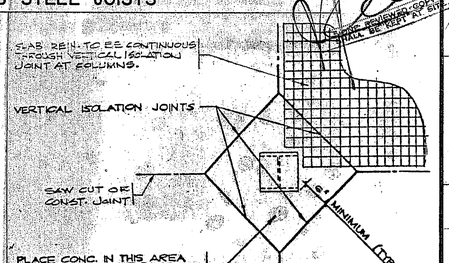
14 5-3 **TYPICAL SAW-CUT IN SLAB ON GRADE**



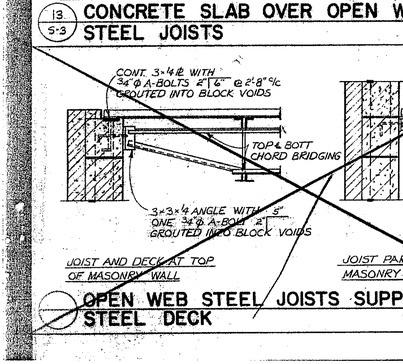
15 5-3 **WALL REINFORCING CLEARANCES**

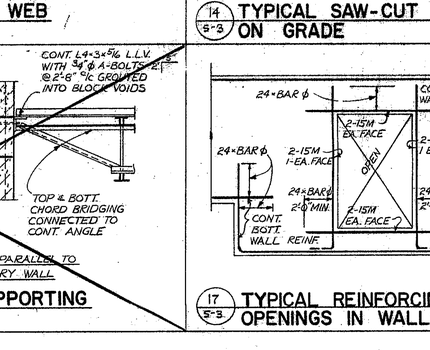


16 5-3 **BRACING FOR NON-BEARING WALLS AT UNDERSIDE OF STEEL JOISTS**



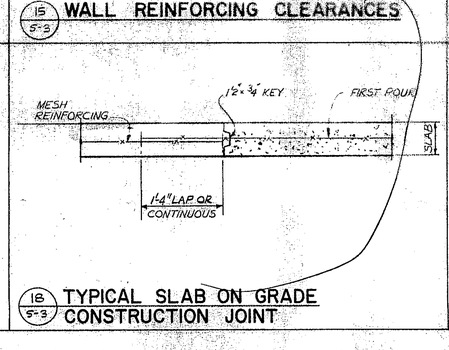
20 5-3 **PLAN OF COLUMN (STEEL OR CONCRETE)**
JOINTS TO BE 25'-0" C/C MAX. UNLESS OTHERWISE SHOWN OR APPROVED



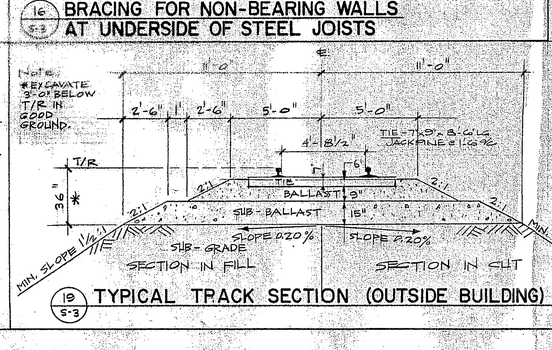


OPEN WEB STEEL JOISTS SUPPORTING STEEL DECK

17 5-3 **TYPICAL REINFORCING AROUND OPENINGS IN WALLS**



18 5-3 **TYPICAL SLAB ON GRADE CONSTRUCTION JOINT**



19 5-3 **TYPICAL TRACK SECTION (OUTSIDE BUILDING)**

GERALD B. COX
ARCHITECT
375 FISHER STREET
NORTH BAY, ONTARIO
472-8350

MINISTRY OF LABOUR REVIEWED AS MEETING THE REQUIREMENTS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, 1978
APR 16 1985
CONSTRUCTION SAFETY BRANCH
PLANS TO BE KEPT AT SITE

REGISTERED PROFESSIONAL ENGINEER 2983 A. T. ABRERA PROVINCE OF ONTARIO

ALL MEASUREMENTS MUST BE CHECKED ON THE JOB BY THE GENERAL CONTRACTOR.

O.N.R.
MAINTENANCE OF WAY REPAIR BUILDING
North Bay, Ont.

COPY

APR 9 1985

TYPICAL SECTIONS

SCALE NOT TO SCALE
DATE MARCH, 1985
DRAWN BY TE
JOB NO.

S-3

APD ALBERY, PULLERITS, DICKSON AND ASSOCIATES
Consulting Engineers
TORONTO SUDBURY FREDERICTON YELLOWKNIFE

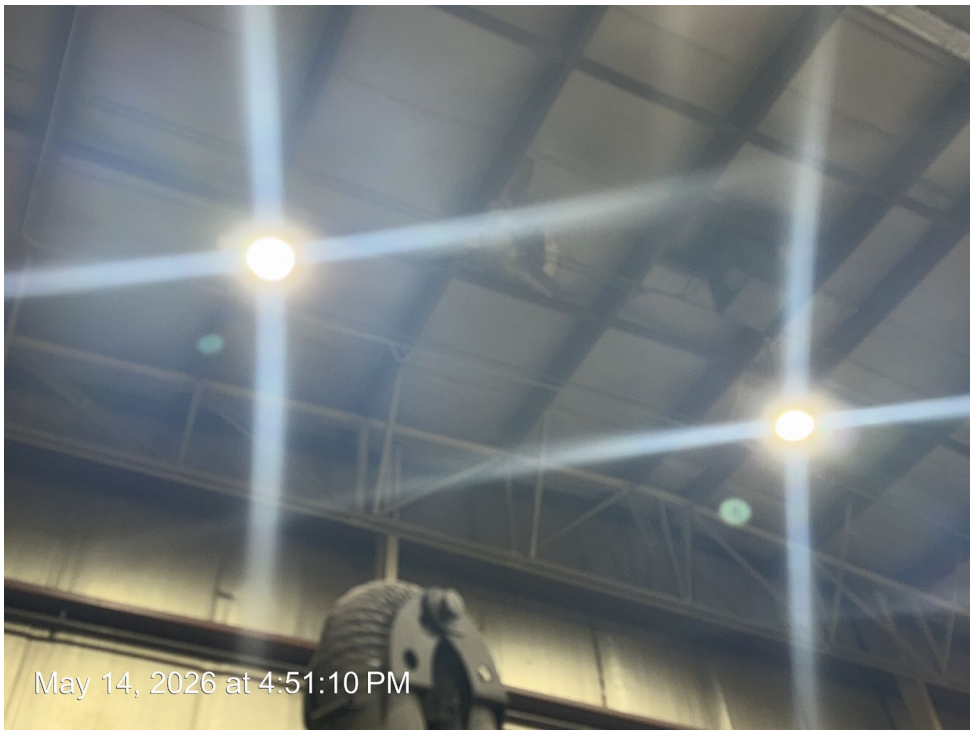


Fig.1 TC_07144



Fig.2 TC_07145

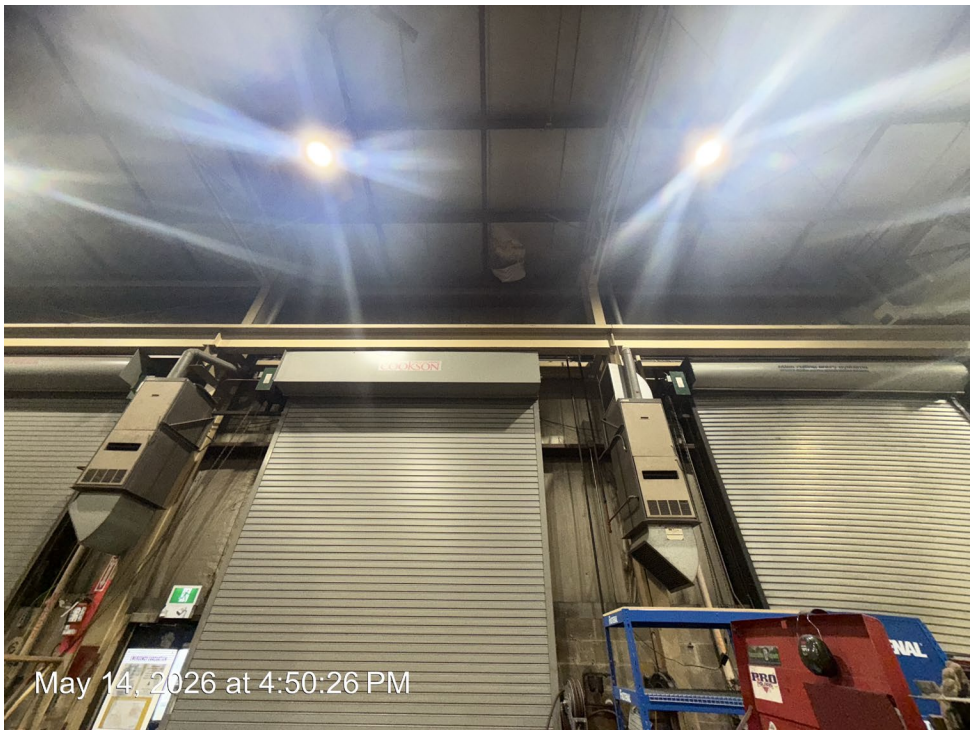


Fig.3 TC_07143



Fig.4 TC_07158



Fig.5 TC_07153

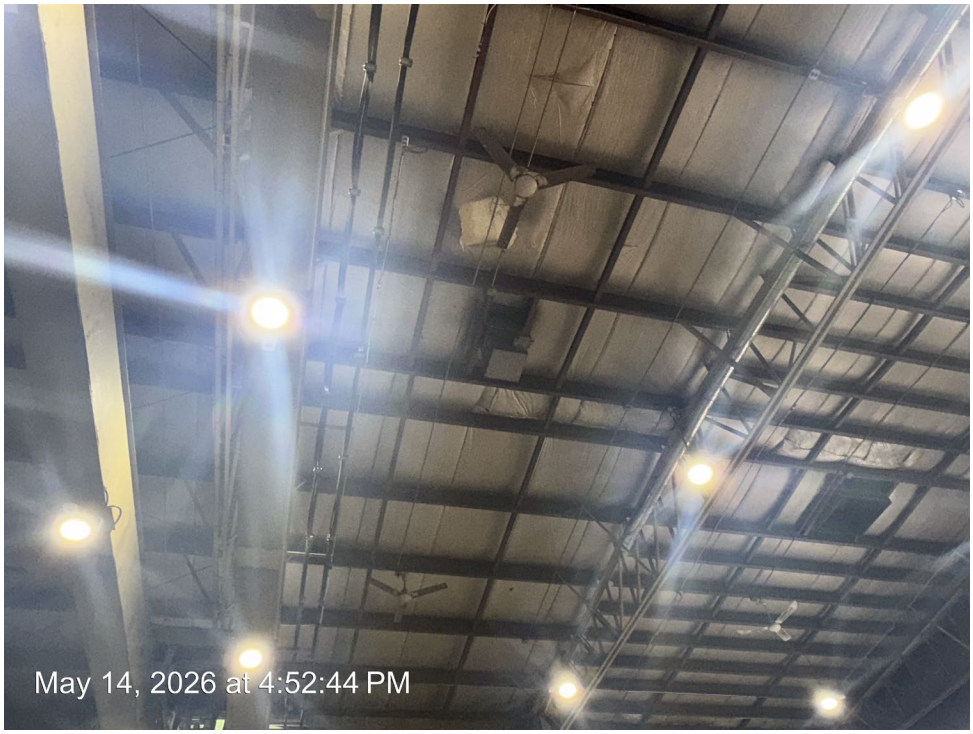


Fig.6 TC_07149

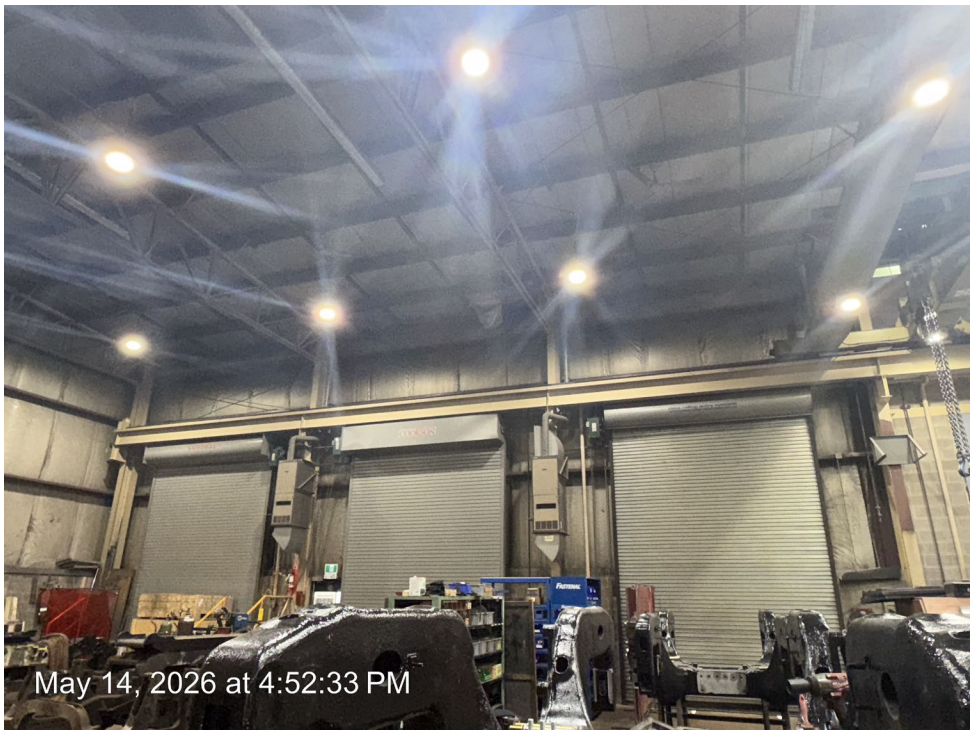


Fig.7 TC_07148



Fig.8 TC_07155