

February 14, 2025**Addendum No. 03****File Reference Number: RFP 2025 002****Title: Englehart Diesel Shop Building Upgrades****RE: Clarifications/Questions**

Please refer to the following information/clarification:

Item 1: It was brought to my attention that the specification for the suspended ceiling tiles is missing. Can ONTC please provide the required specifications?

Answer: Refer to section 09 51 00 - Acoustical Ceilings part of the IFT specifications document, RFP Part 3 Schedule 3-A-2.

Item 2: Please confirm the amount required for the bid performance security. The document indicates the agreement to bond percent only.

Answer: Please reference Section 4.3(1)(e) in Part 1 of the RFP Documents. The Bid Performance Security is required to be in the amount of ten percent (10%) of the total bid price excluding HST.

Item 3: Please confirm the areas that require floor finish removal and confirm the existing floor finish for each room.

Answer: Refer to Architect drawing A1.0 for the extent of the concrete floor demolition and to specific note D8 for the finish flooring.

Item 4: Please confirm if any of the walls that need to be demolished are considered load-bearing walls. If yes, who is responsible for the shoring work and structural engineer fees, if required?

Answer: The walls being demolished are not considered load-bearing walls.

Item 5: Please provide the construction of the existing walls.

Answer: Refer to Appendix A - 1973 - Mechanical Building drawings attached to this Addendum No. 03.

Item 6: Are there any base building contractors that should be used? If yes, please provide names and contact information.

Answer: ONTC does not have any base building contractors to recommend.

Item 7: Please confirm the ceiling type in the areas to remain. Also, should removal and reinstallation be considered in the budget since the roof insulation removal is required throughout the entire building?

Answer: Refer to Architect drawing A1.0 for the rooms where the ceiling type is specified. In the rooms where the ceiling type is not indicated, the existing ceiling is to be reinstalled in the same condition or better. The removal and reinstallation should be considered in the budget due to the removal of the below-deck roof insulation and vapour barrier throughout the entire building.

Item 8: Please clarify which lines should be filled in the schedule of prices.

Answer: Please fill out items that are related to the scope of work only. Items in the pricing schedule that are not part of the scope, please mark as not applicable (N/A).

Item 9: There are some sections in the pricing schedule that are not part of the scope of work (i.e., Foundation, Lowest Floor Constr., Upper floor construction, Walls Below Grade, Roof Covering, Projections, Fitting and Fixtures, Equipment, Fire Protection, Systems & Ancillaries, Mechanical Site Services, Electrical Site Services, Alterations, Infrastructure upgrades, Add any other Costs). Please clarify what should be done with these sections.

Answer: Please fill out items that are related to the scope of work only. Items in the pricing schedule that are not part of the scope, please mark as not applicable (N/A).

Item 10: Please provide the window schedule.

Answer: Refer to 08 71 00 VINYL WINDOWS SCOPE and drawings notes D3 and D7 on drawing No. A1.0.

Item 11: Drawing A3.0 - Section A states " Existing Below Deck Roof Insulation & Vapour Barrier to be Removed Throughout Entire Building".

- a. Is there a reason that these materials have to be removed?

Answer: Existing vapour barrier has to be removed.

- b. At what elevation are we to fasten the new 2 layers of 5/8" gypsum board?

Answer: Refer to Architect drawing A3.0 building section A "New Double Layers of Gypsum Board as per ceiling Assembly "C1" to vary in height dependant on ceiling condition above metal panels".

- c. Can the 2 new layers of gypsum board be fastened to the existing steel panel roof system?

Answer: No.

- d. In room 103 the existing suspended ceiling was partially removed and exposed a plywood ceiling and vapour barrier (estimated at 12'-0" AFF) on the bottom of the plywood.

- i) Is this plywood ceiling present in all rooms to receive the 2 layers of gypsum board?

Answer: Contractor to assume that the plywood ceiling exists in rooms 101, 103 and 104.

- ii) If this plywood ceiling is present in all rooms, can we fasten the 2 layers of gypsum board to the existing plywood ceiling?

Answer: Yes. Refer to drawing note C1 on Sheet A2.0 and A3.0

Item 12: Please provide details of how the existing steel panel ceiling that is to be removed, is fastened?

Answer: Not available.

Item 13: Please confirm that no ONR personnel will require access to phase 1 areas while phase 1 work is being completed ?

Answer: Yes. No ONR personnel will require access to phase 1 areas while phase 1 work is being completed

Item 14: Please confirm that all temporary services for all ONR staff (including but not limited to: washrooms, lunchrooms, change rooms etc) will be arranged for and paid for by the owner?

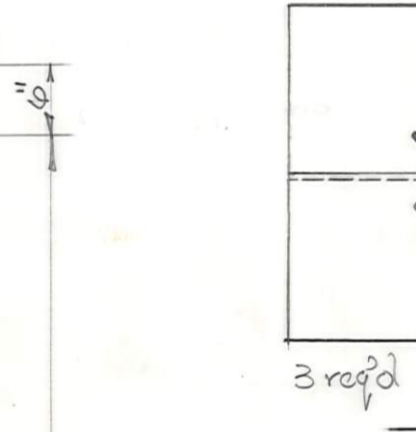
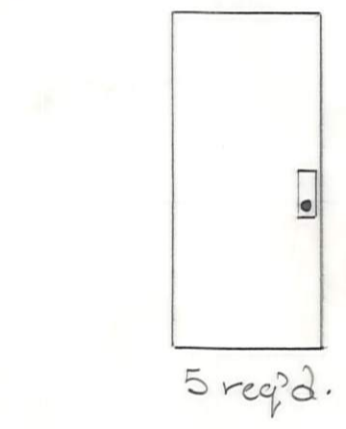
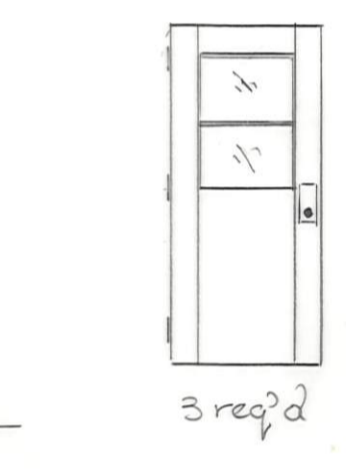
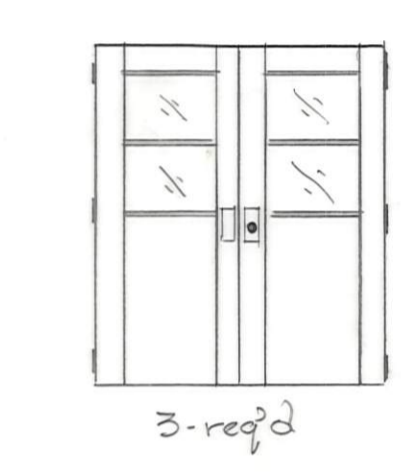
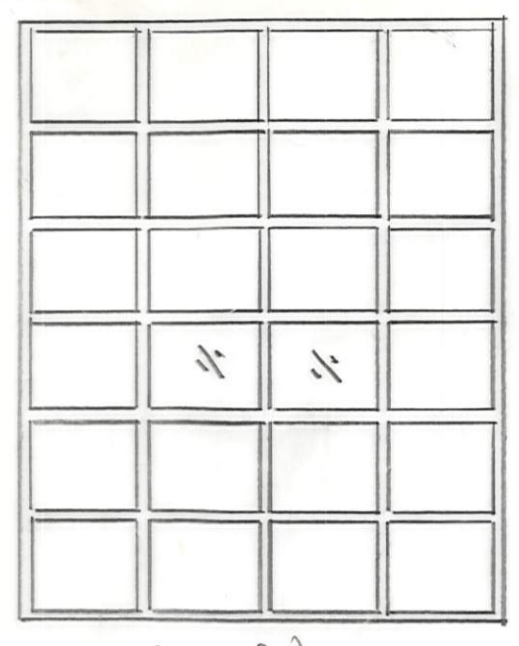
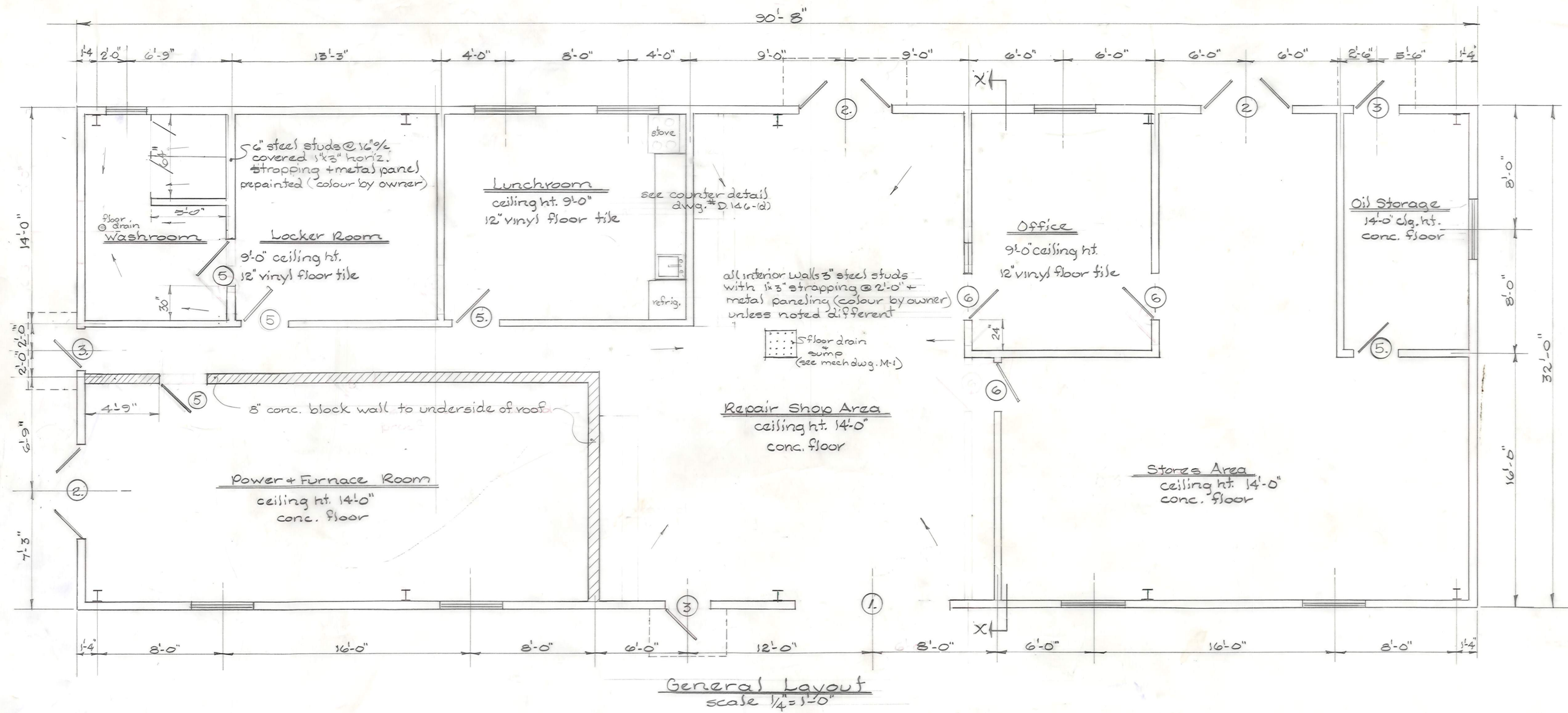
Answer: Yes. Temporary services for all ONR staff (including but not limited to: washrooms, lunchrooms, change rooms etc.) will be arranged for and paid for by the owner.

This Addendum hereby forms part of the RFP.

Regards,

Ashley Commanda
Manager, Public Procurement
Ashley.commanda@ontarionorthland.ca

APPENDIX A



① 10'-0" W x 12'-0" H x 2 1/4" T. wood over head door with weather stripping 2-Georgian wire lights lock set chain operated hoist Richard Wilcox or equal

② 6'-0" W x 7'-0" H x 1 3/4" T. metal door with Georgian wire light lock set + closer Armco model # 3070

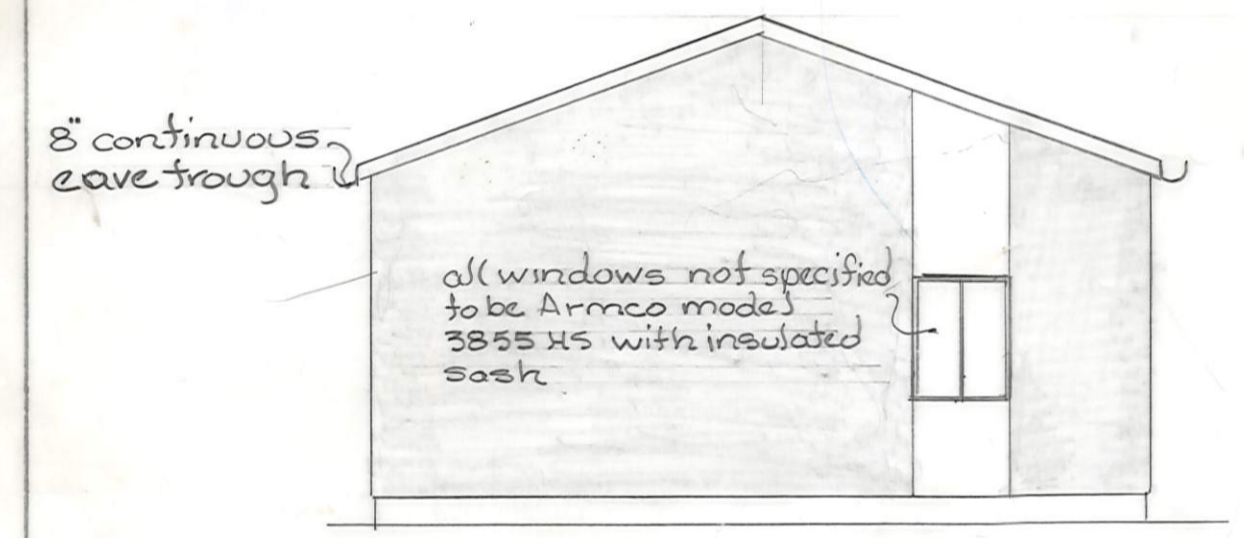
③ 3'-0" W x 7'-0" H x 1 3/4" T. metal door with Georgian wire light lock set + closer Armco model # 3070

④ 3'-0" W x 7'-0" H x 1 3/4" T. metal door lock set + closer Armco model # 3070

⑤ 3'-0" W x 7'-0" H x 1 3/4" T. metal door + closer Armco model # 3070

⑥ 3'-0" x 7'-0" x 1 3/4" solid core door metal covered dutch type with counter + lock set + closers

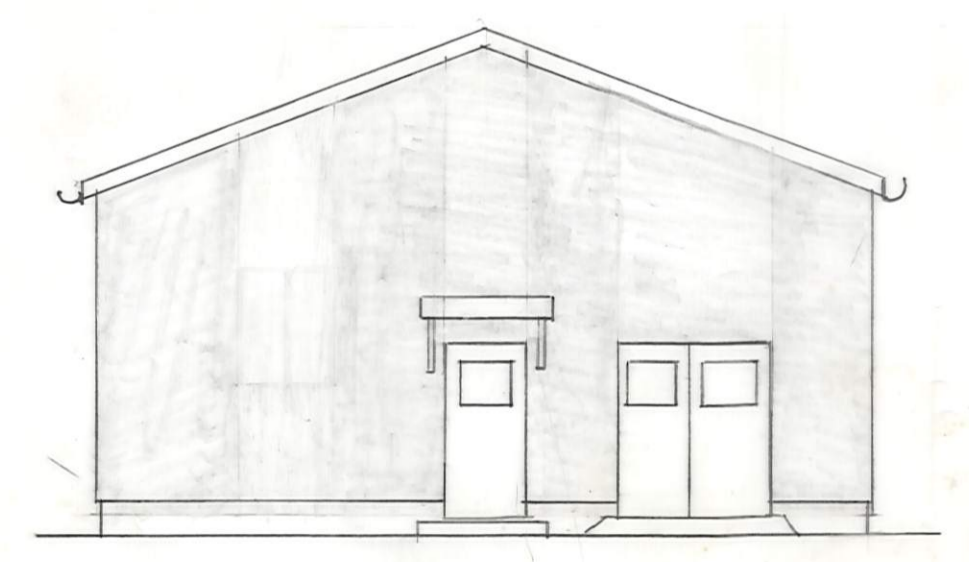
Door Schedule



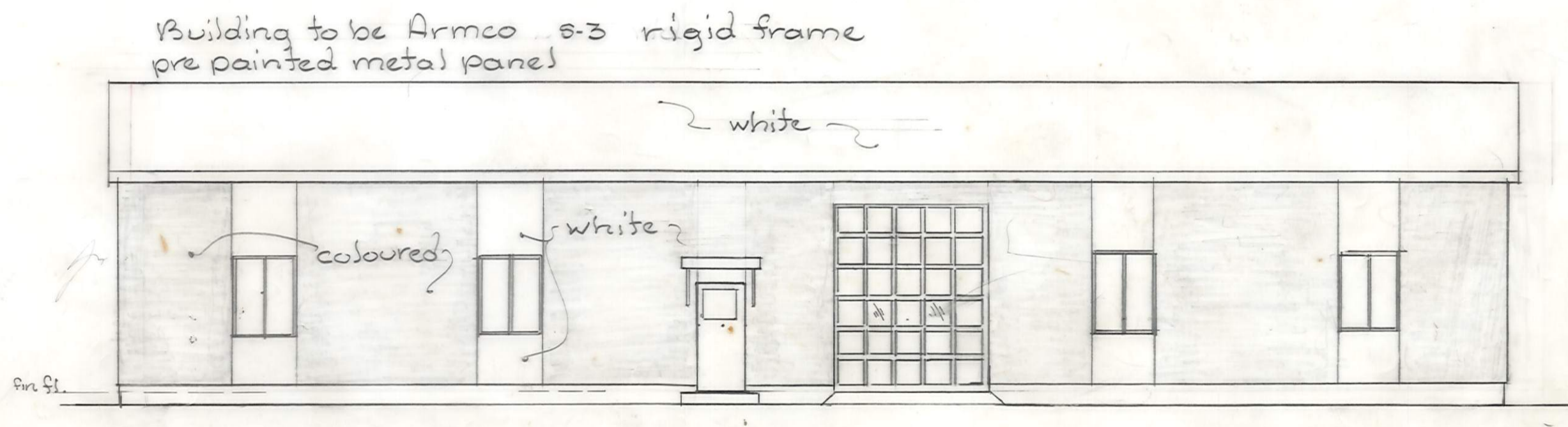
West Elevation



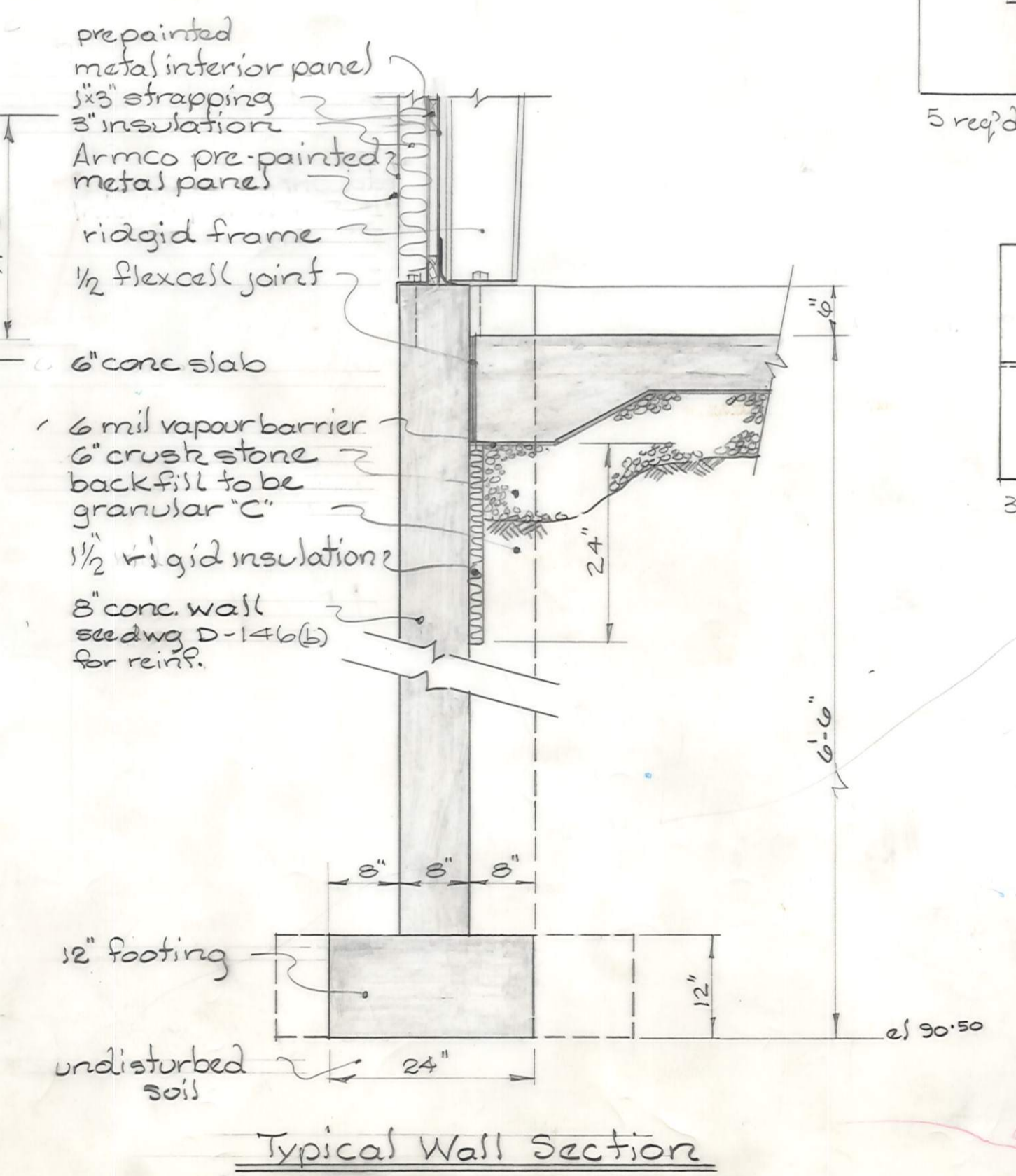
South Elevation



East Elevation



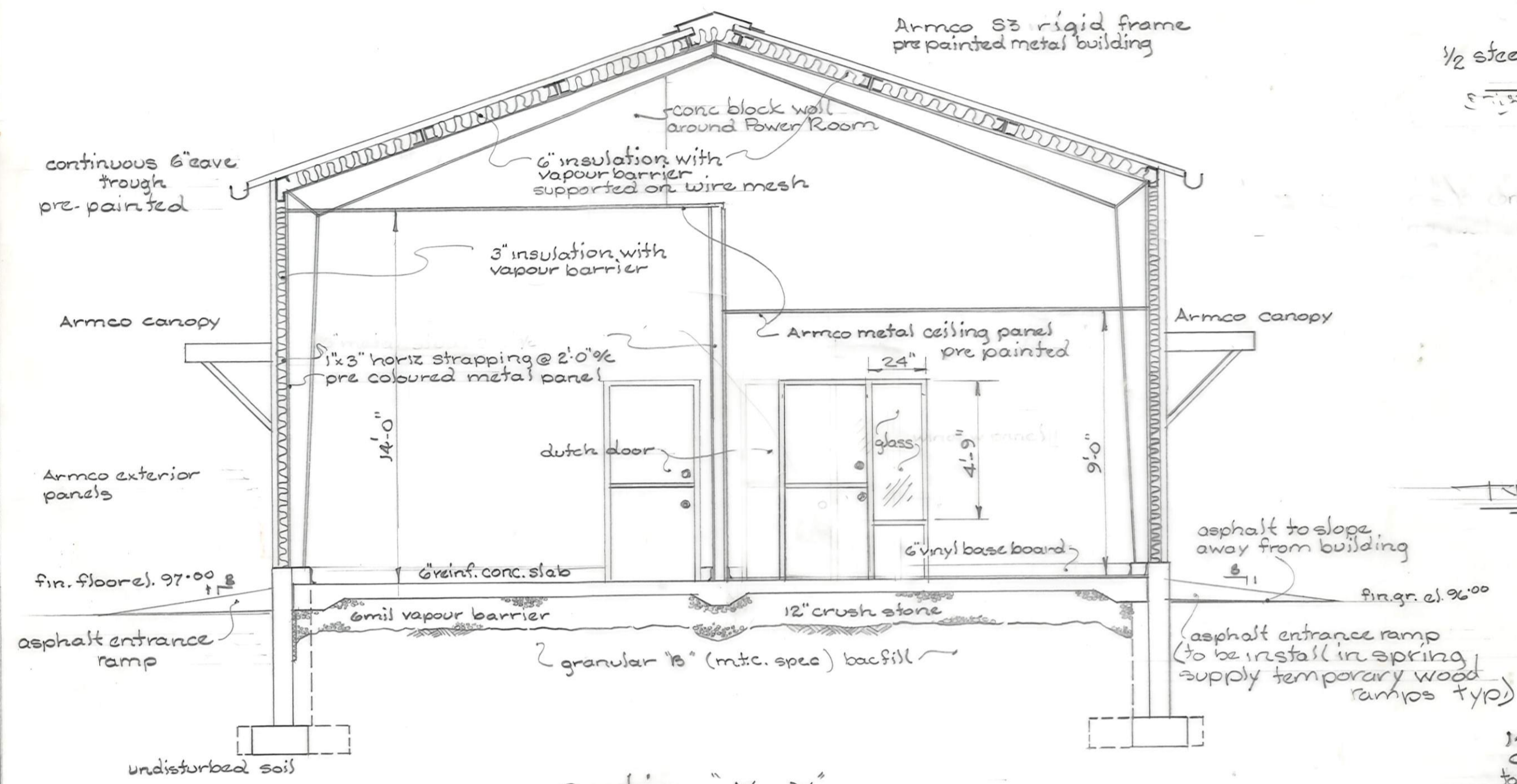
North Elevation



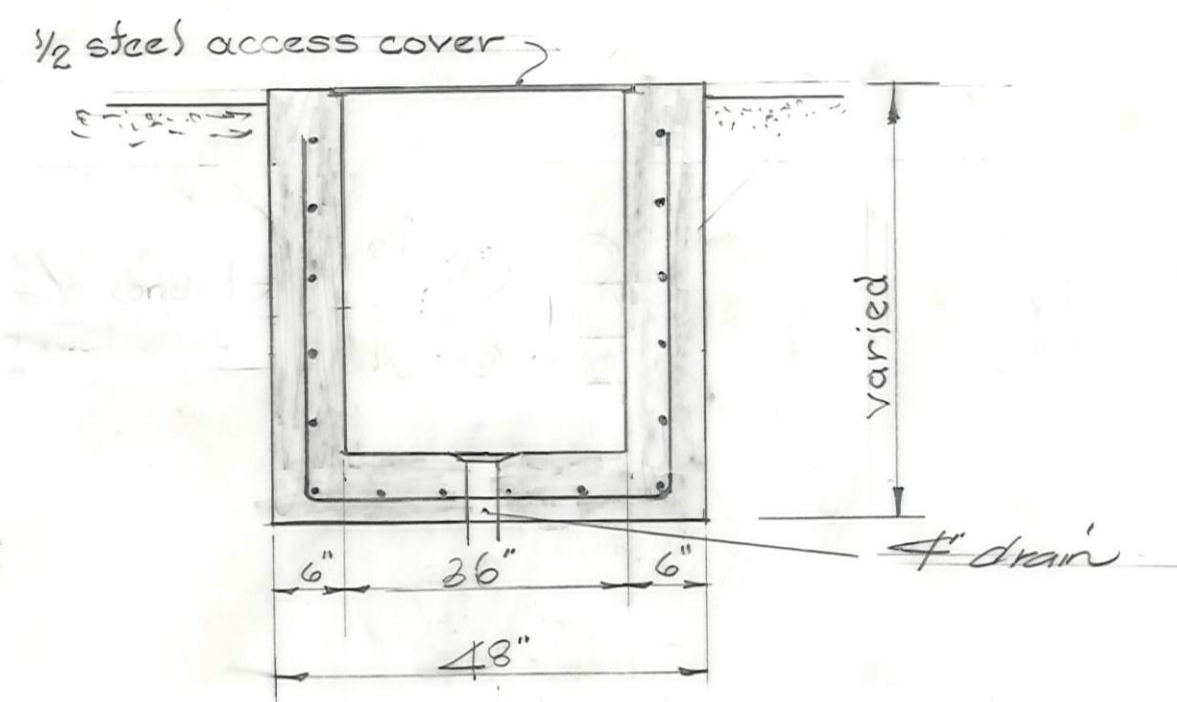
Typical Wall Section

ONTARIO NORTHLAND RAILWAY	
ENGINEERING DEPT.	NORTH BAY
Mechanical Building	
Plan + Elevations	
Englehart	Ontario
drawn by W.D.P.	checked by D.P.P.
approved J.S.	struct. sup. C.P.
scale as noted	date July 173
	dwg. no. D-146(c)

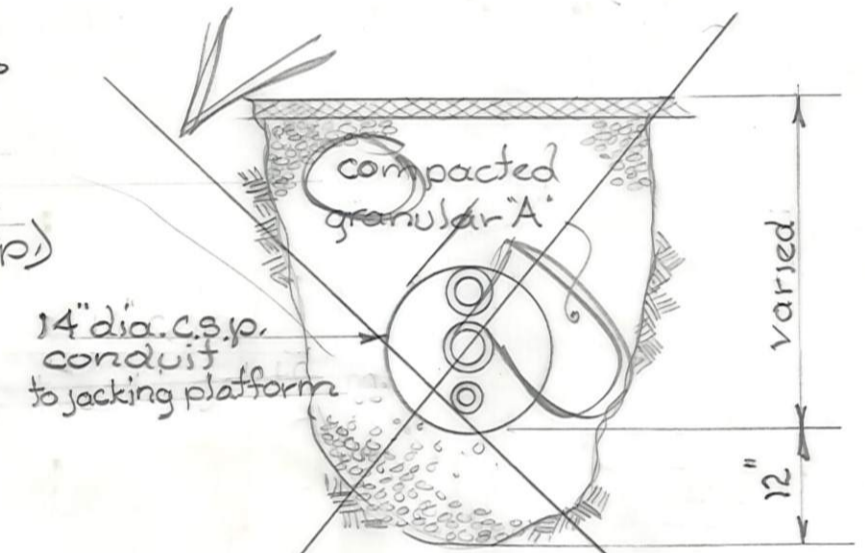
D146(c)



Section "X-X"
scale 1/4" = 1'-0"

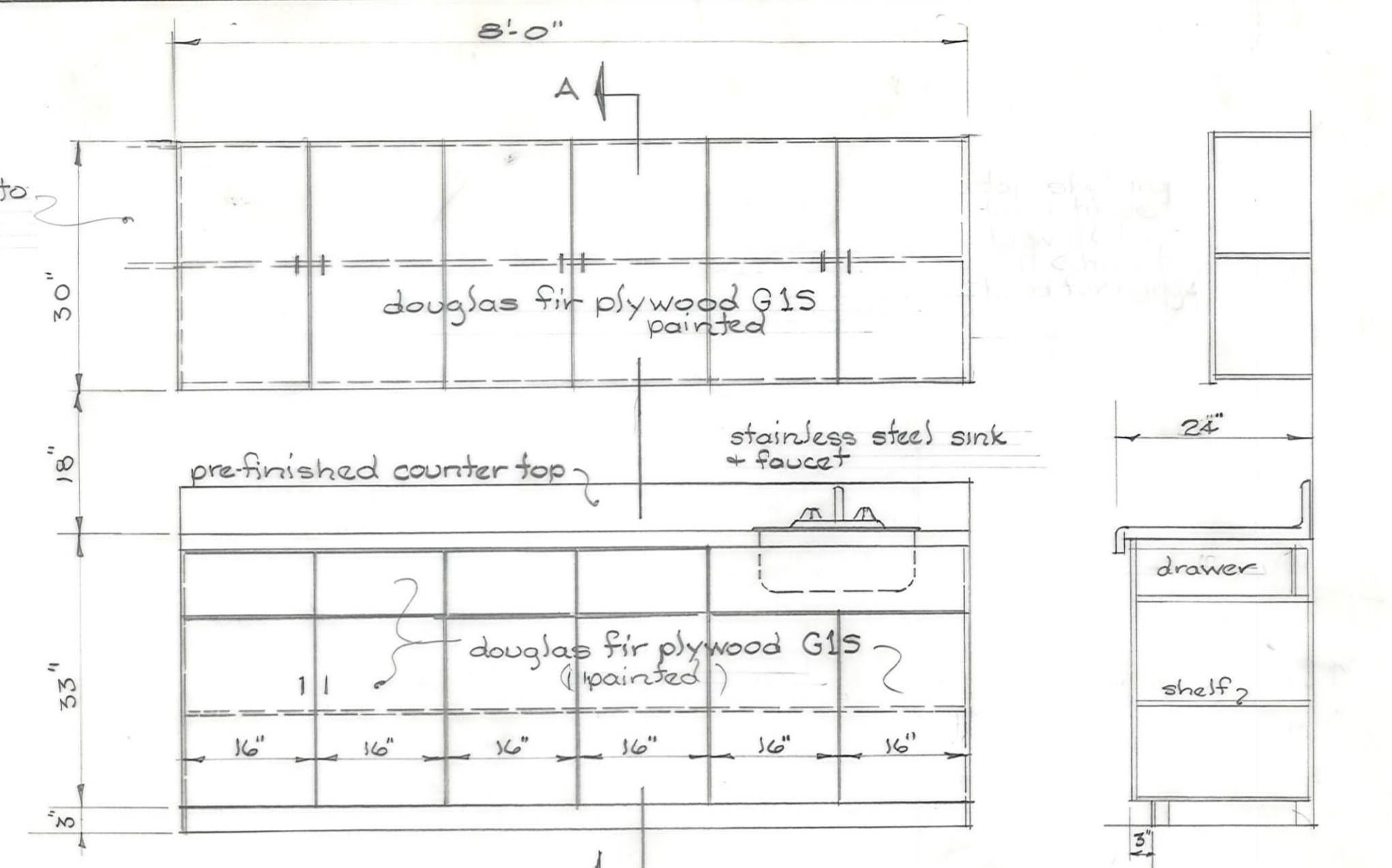


TYPICAL SECTION THRU SERVICE MANHOLE
n.t.s.



Section "Y-Y"
Utility Conduit Under Pavement
and Jacking Platform
n.t.s.
(see mechanical dwgs)

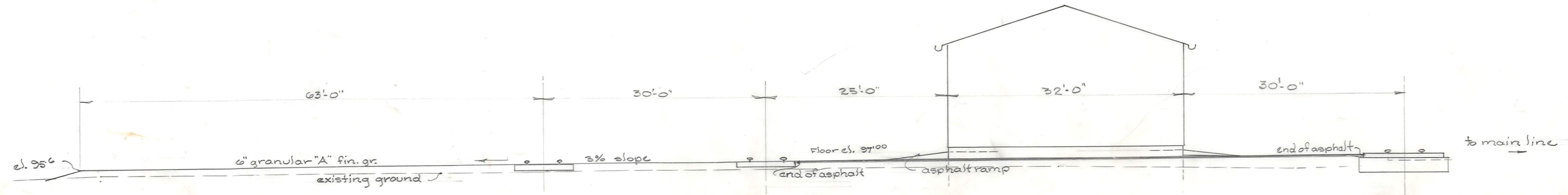
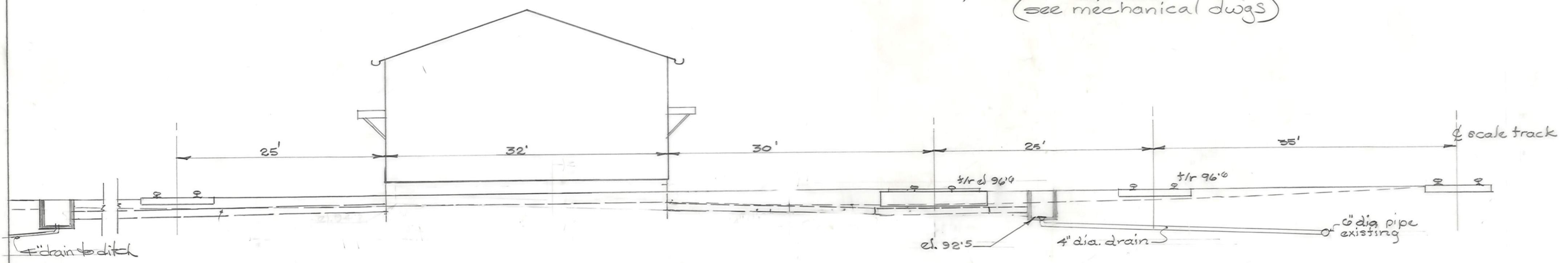
shelves to extend to wall & built to suit range hood.



front elevations

section "A-A"

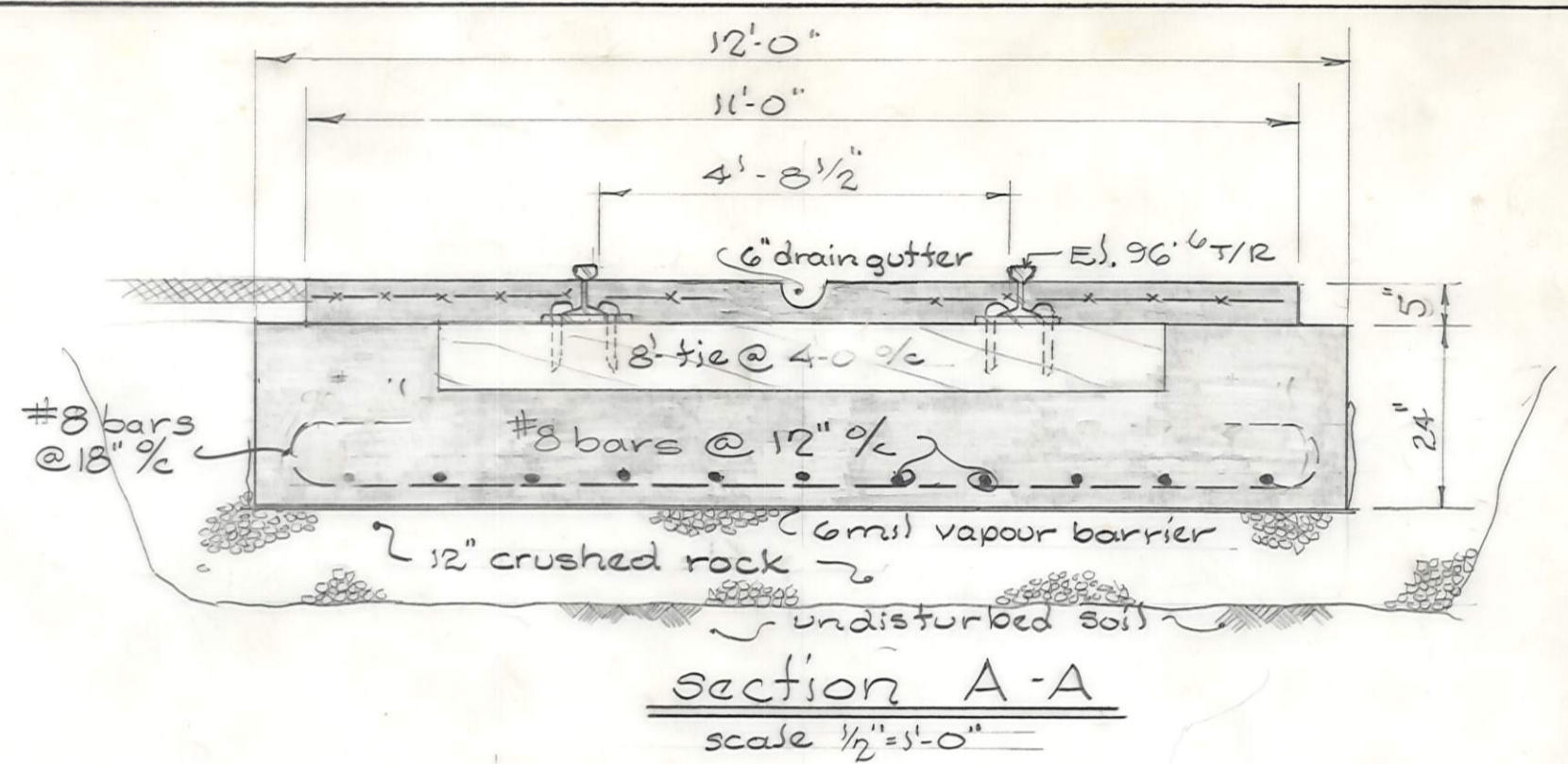
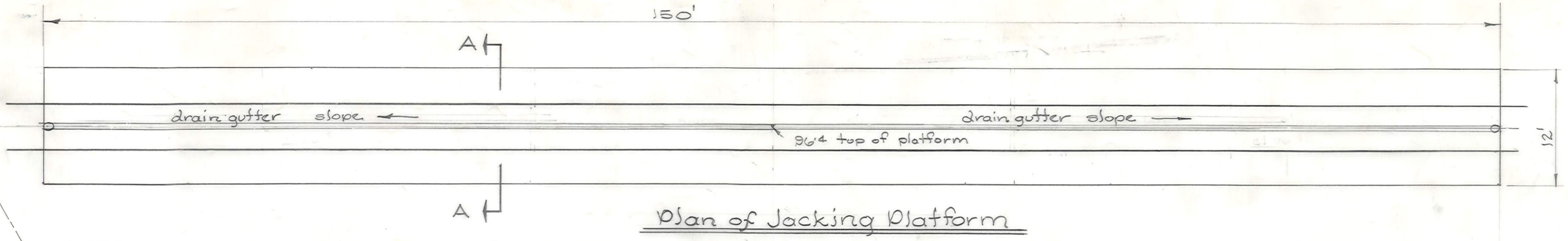
Cupboard Details
scale 3/4" = 1'-0"



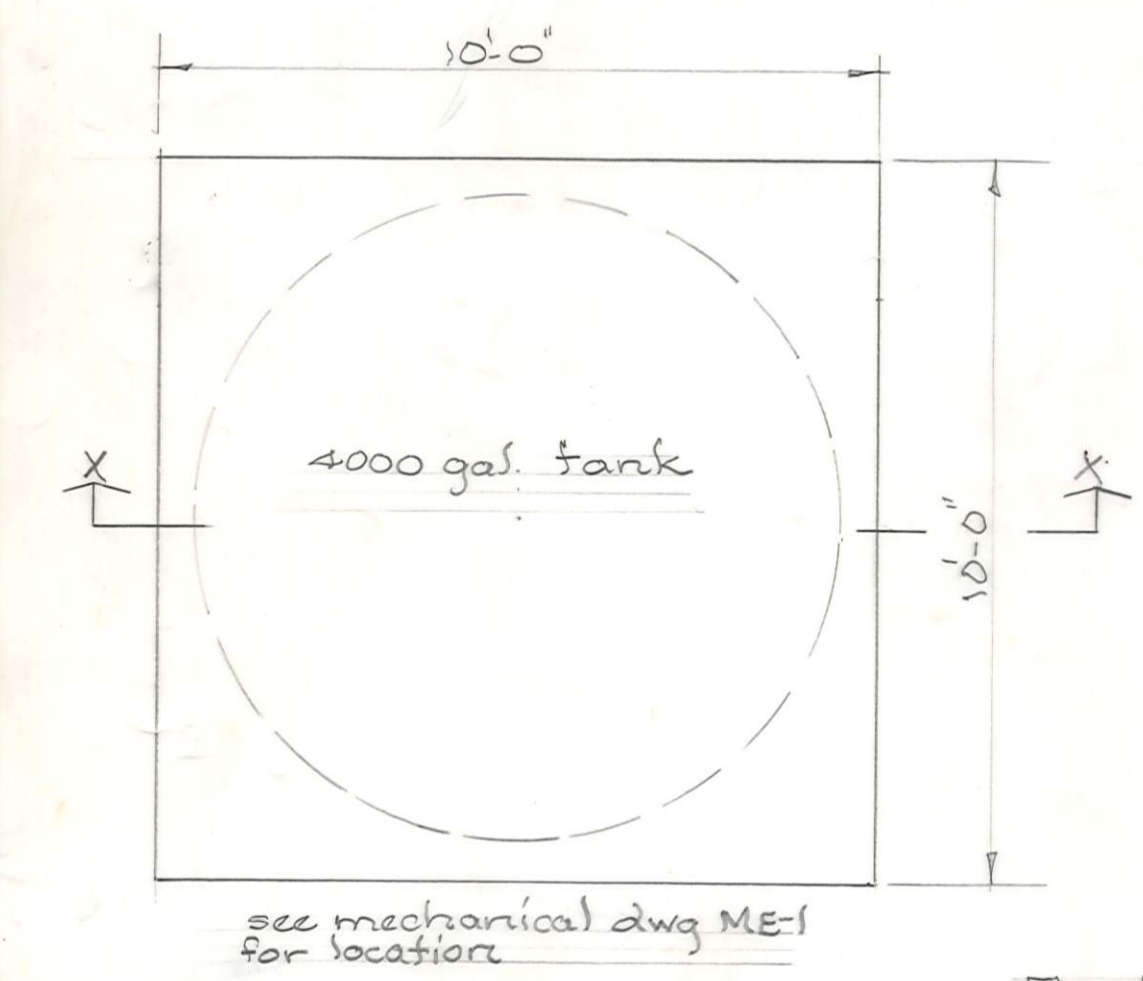
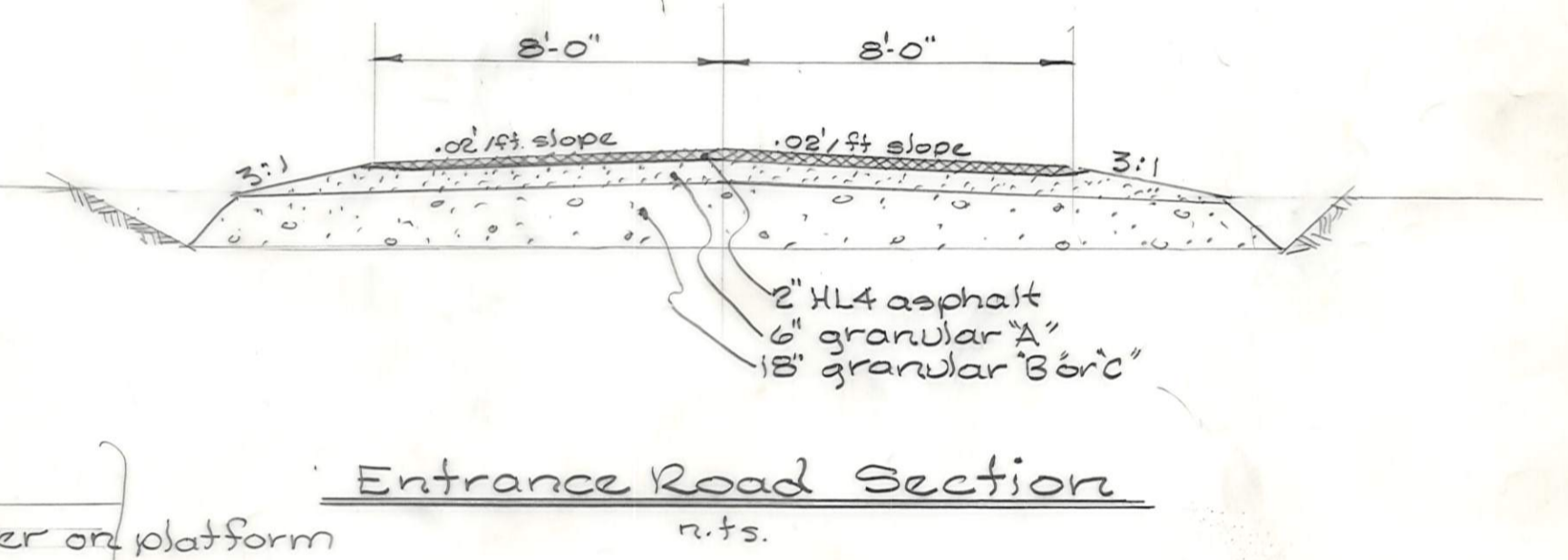
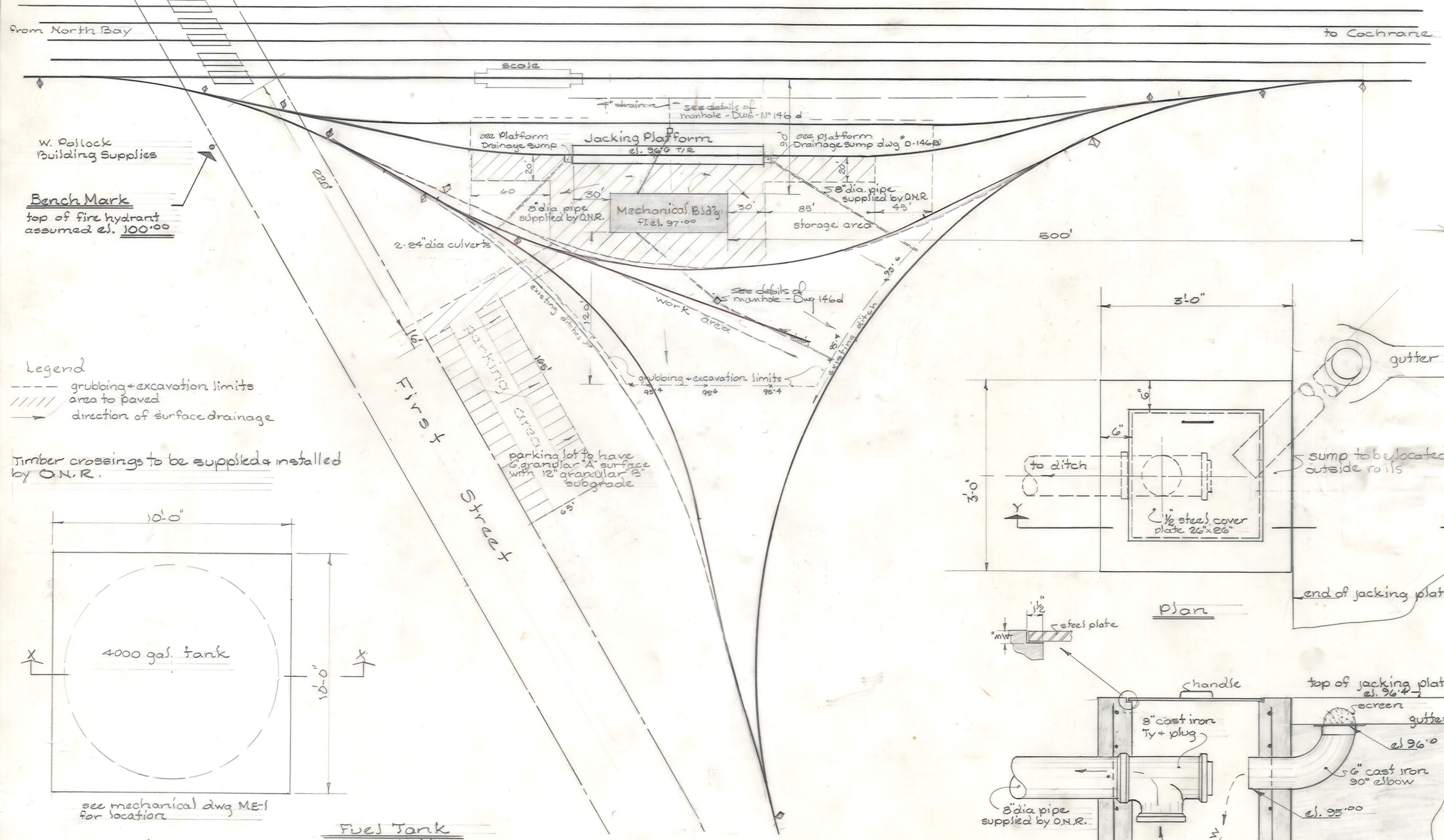
Cross Section of Site
scale 1/8" = 1'-0"

ONTARIO NORTHLAND RAILWAY		ENGINEERING DEPT. NORTH BAY	
Mechanical Building			
Sections			
Englehart		Ontario	
drawn by	checked by		
W.D.G.	D.C.P.		
approved	J.S. [Signature]		
scale	date	chief eng.	dwg no.
as noted	Aug/73	D 146(d)	

hokox

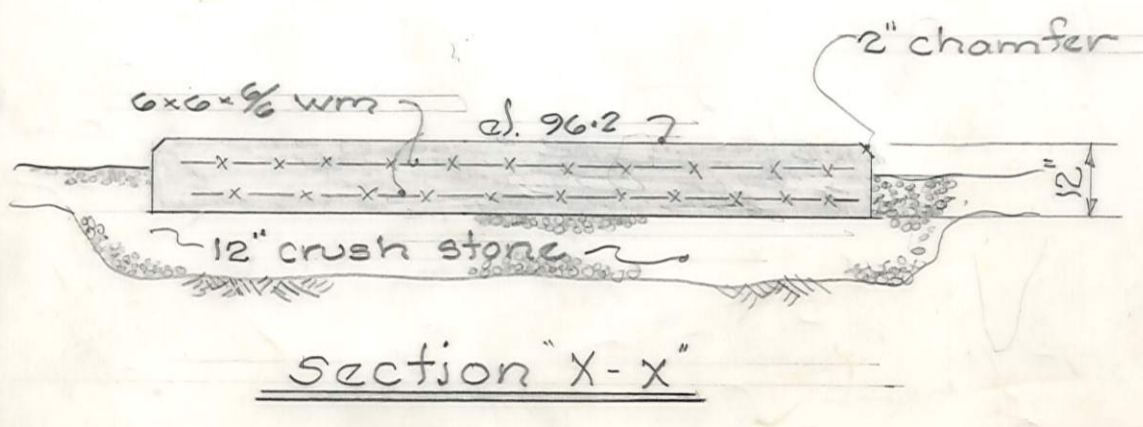
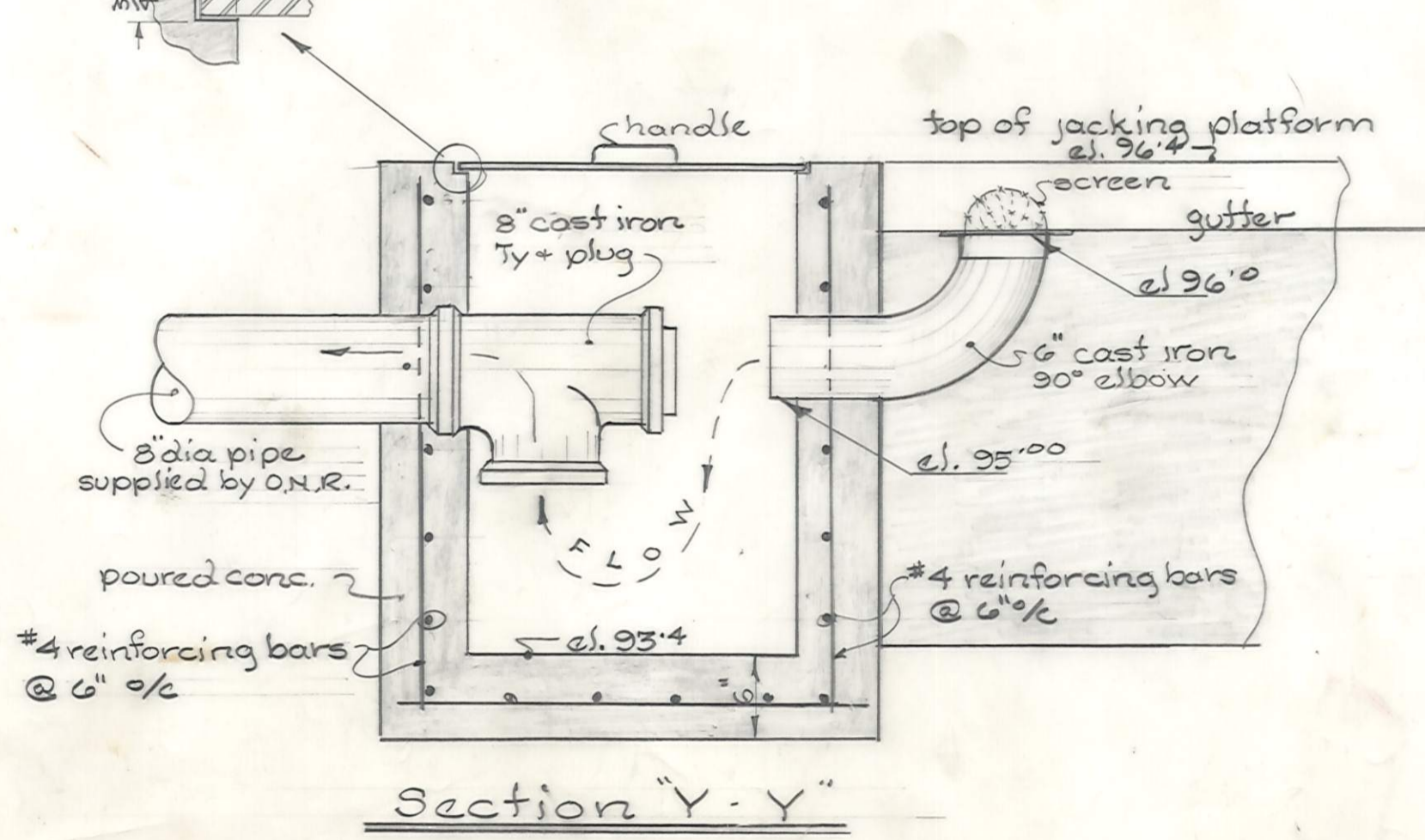
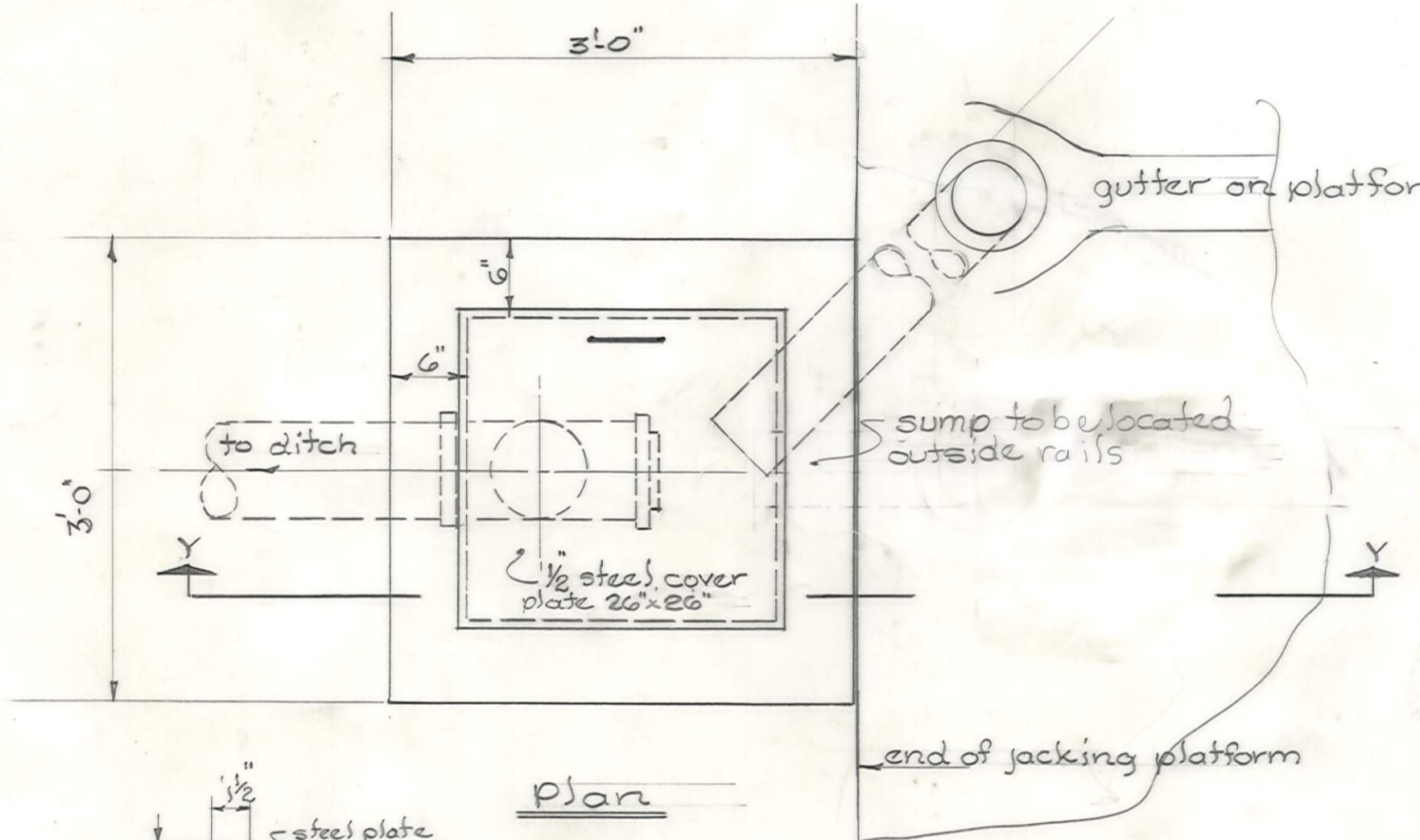


Note: ties, tie plates, spikes, and track rail to be supplied & installed by O.N.R.



Fuel Tank Foundation

scale 3/8" = 1'-0"



revised Sept. 12/75

ONTARIO NORTHLAND RAILWAY
ENGINEERING DEPT. NORTH BAY ONT.

Mechanical Building
Site Plan

Englehart Ontario

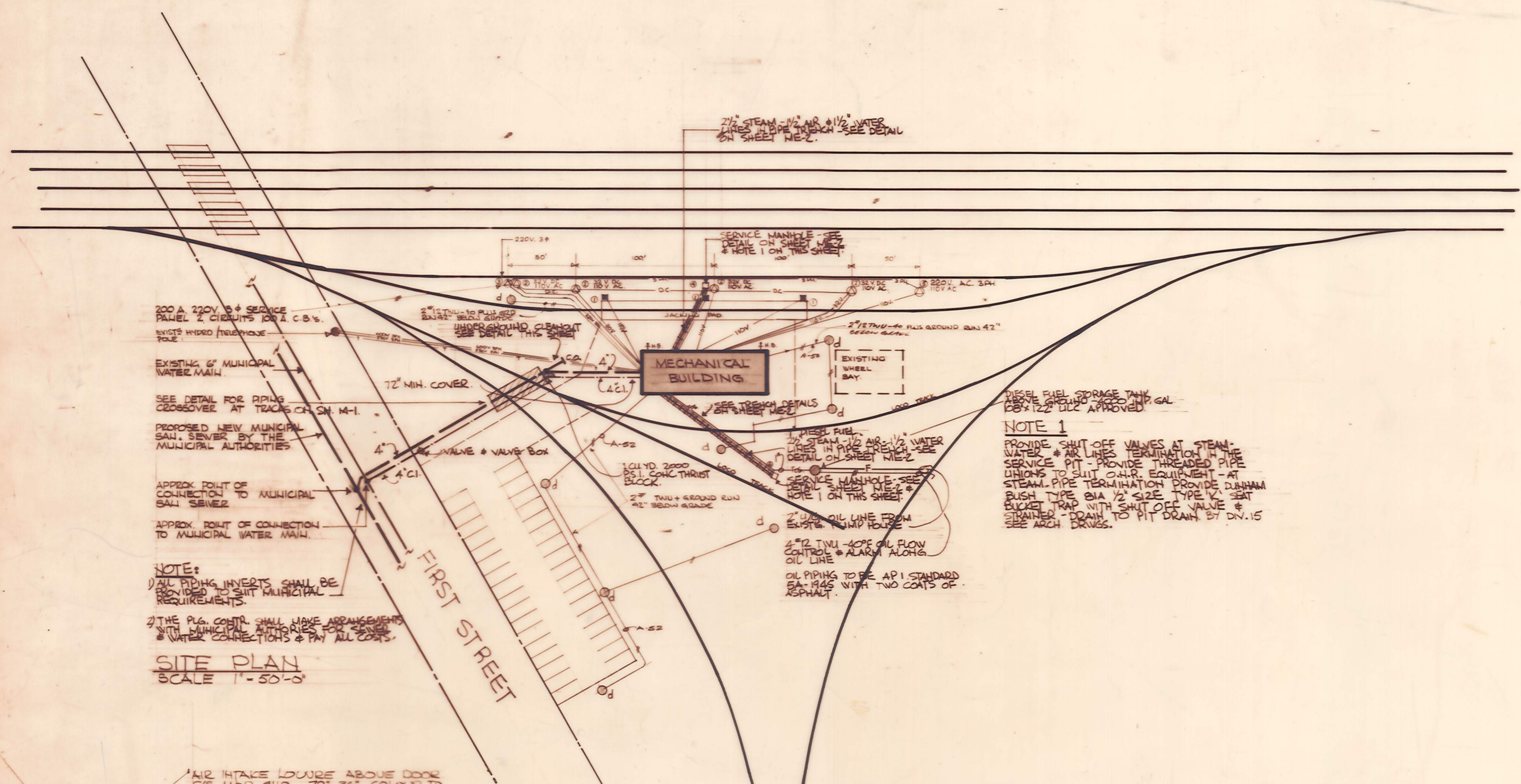
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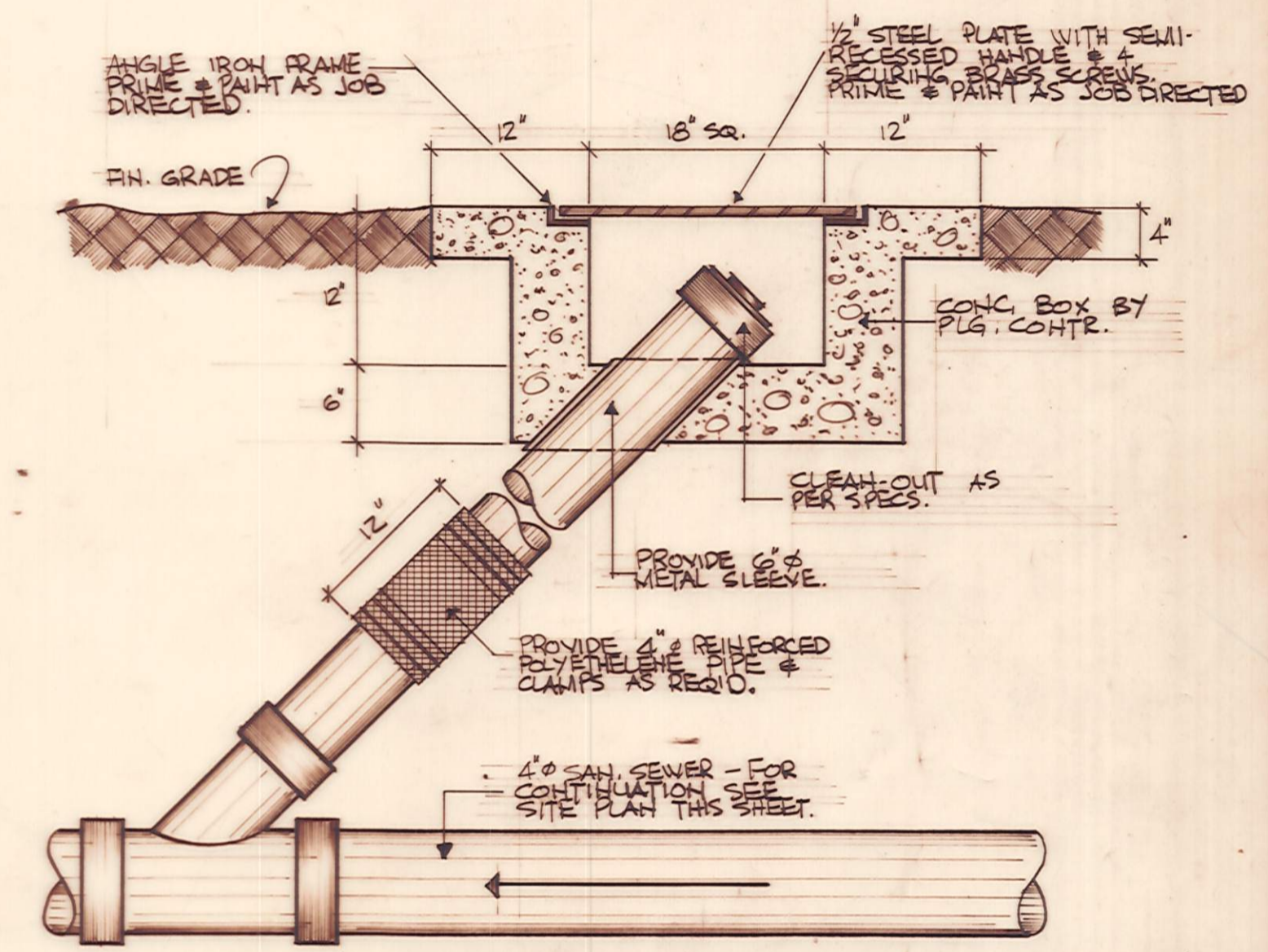
scale as noted date July 73 dwg. no. D. 146 (a)

D146(a)

D-146-1

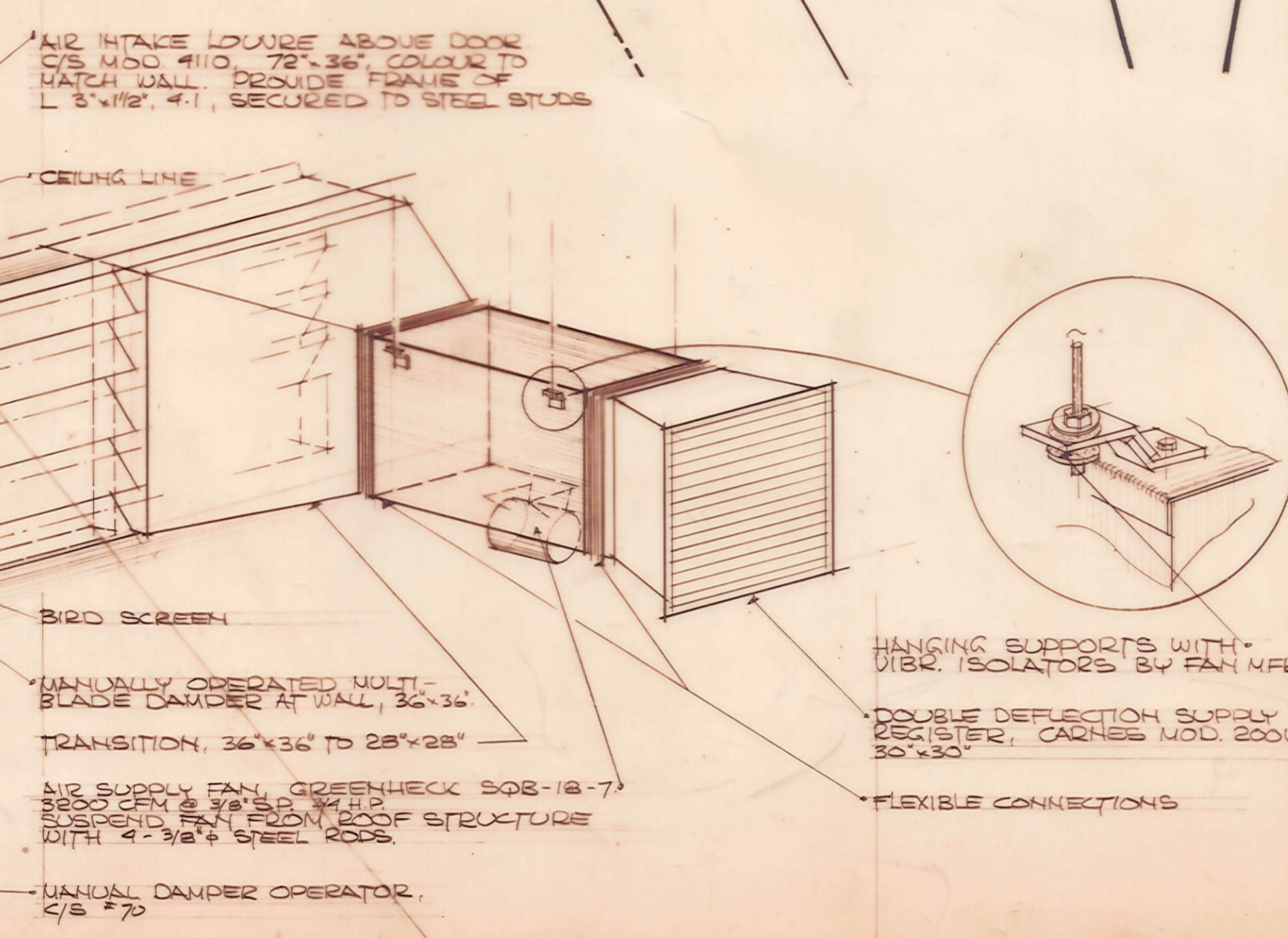


- LEGEND**
- ○ O.N.R. DRWG. 509 T-106 COMPRESSED AIR & ELECTRICAL OUTLET STAND
 - ○ O.N.R. DRWG. 509 T-117 BATTERY CHARGING RECEPTACLE & CONVENIENCE OUTLET STAND 32V. DC. & 110V. AC.
 - ○ O.N.R. DRWG. 509 T-117 MODIFIED TO SUPPLY 230V. 3PH.
 - ○ STEAM - WATER & AIR PIT.
 - ○ O.N.R. DRWG. 509 T-117 MODIFIED TO SUPPLY 220V. 3PH. & 110V. AC.

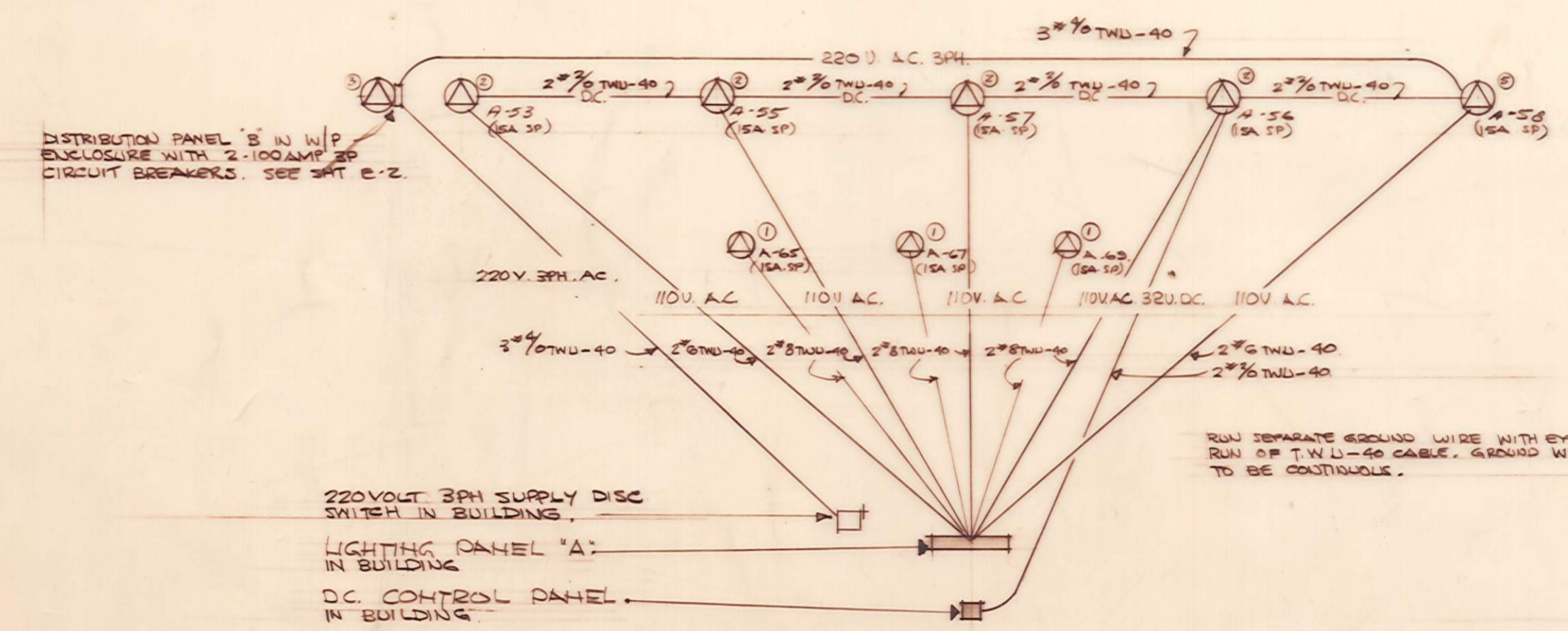


UNDERGROUND CLEAN-OUT DETAIL HTS.

NOTE 1
PROVIDE SHUT OFF VALVES AT STEAM-WATER & AIR LINES TERMINATION IN THE SERVICE PIT - PROVIDE THREADED PIPE UNIONS TO SUIT O.N.R. EQUIPMENT - AT STEAM PIPE TERMINATION PROVIDE DUNHAM BUSH TYPE B1A 1/2" SIZE TYPE V3 SEAT BUCKET TRAP WITH SHUT OFF VALVE & STRAINER - DRAIN TO PIT DRAIN BY DN. 15 SEE ARCH. DRWG'S.



DETAIL OF COMBUSTION AND VENTIL AIR SUPPLY N.T.S.



POST TYPES ① ② ③ & ⑤ WIRING DIAGRAM N.T.S.



ONTARIO NORTHLAND RAILWAY
ENGINEERING DEPT. NORTH BAY ONT.

MECHANICAL BUILDING.

ENGLEHART ONTARIO

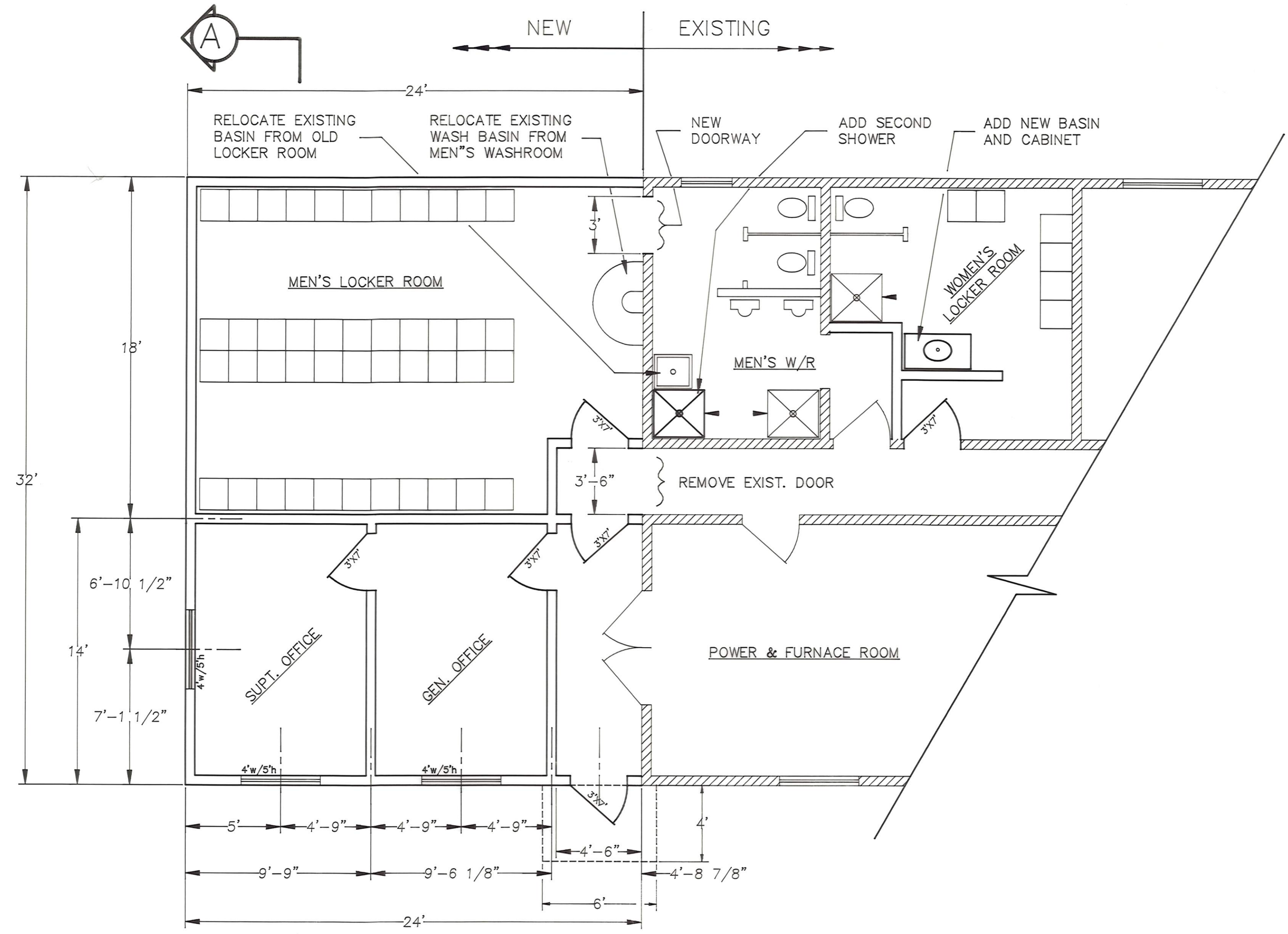
DRAWN BY CHKD. BY
C.J.S. E.I.P.

APPROVED _____

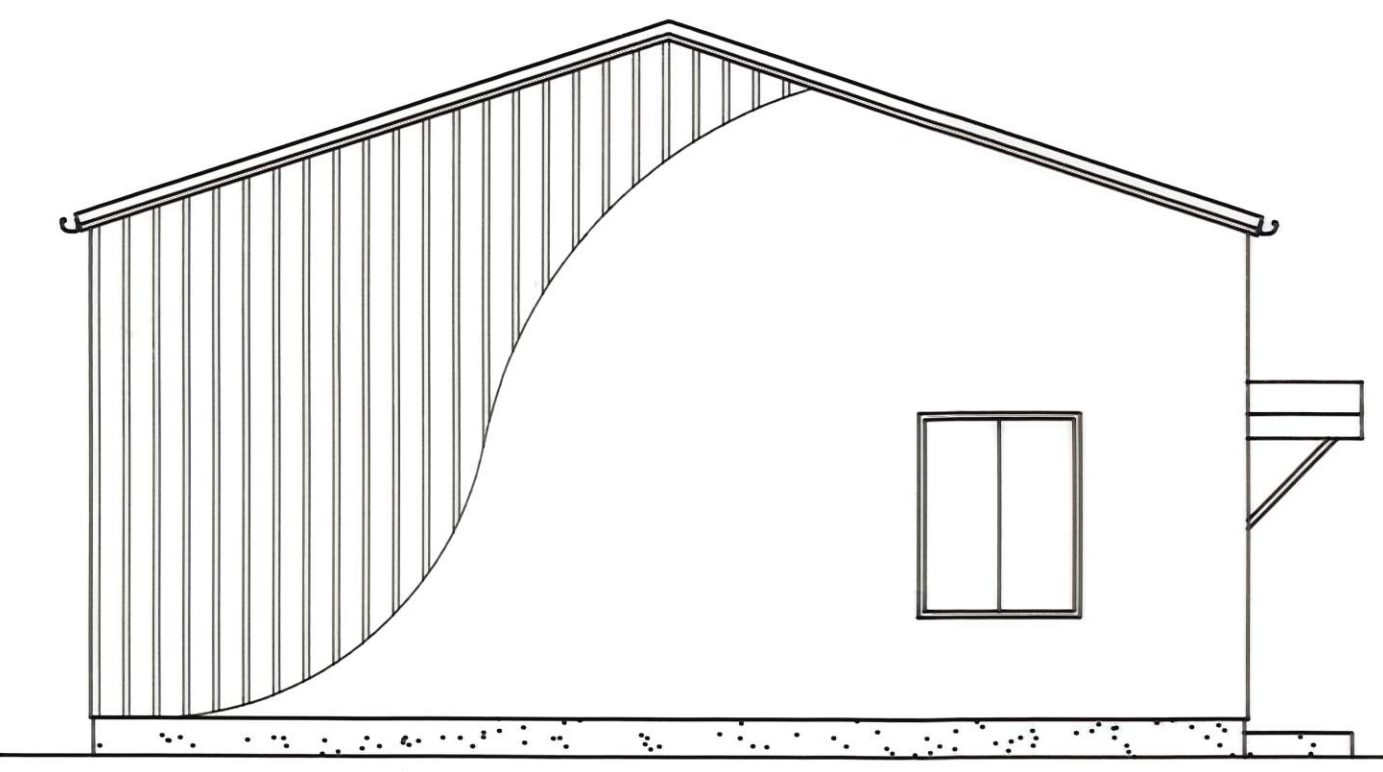
SCALE AS NOTED DATE AUGUST 1973 DRWG. NO ME-1.

D-146 E

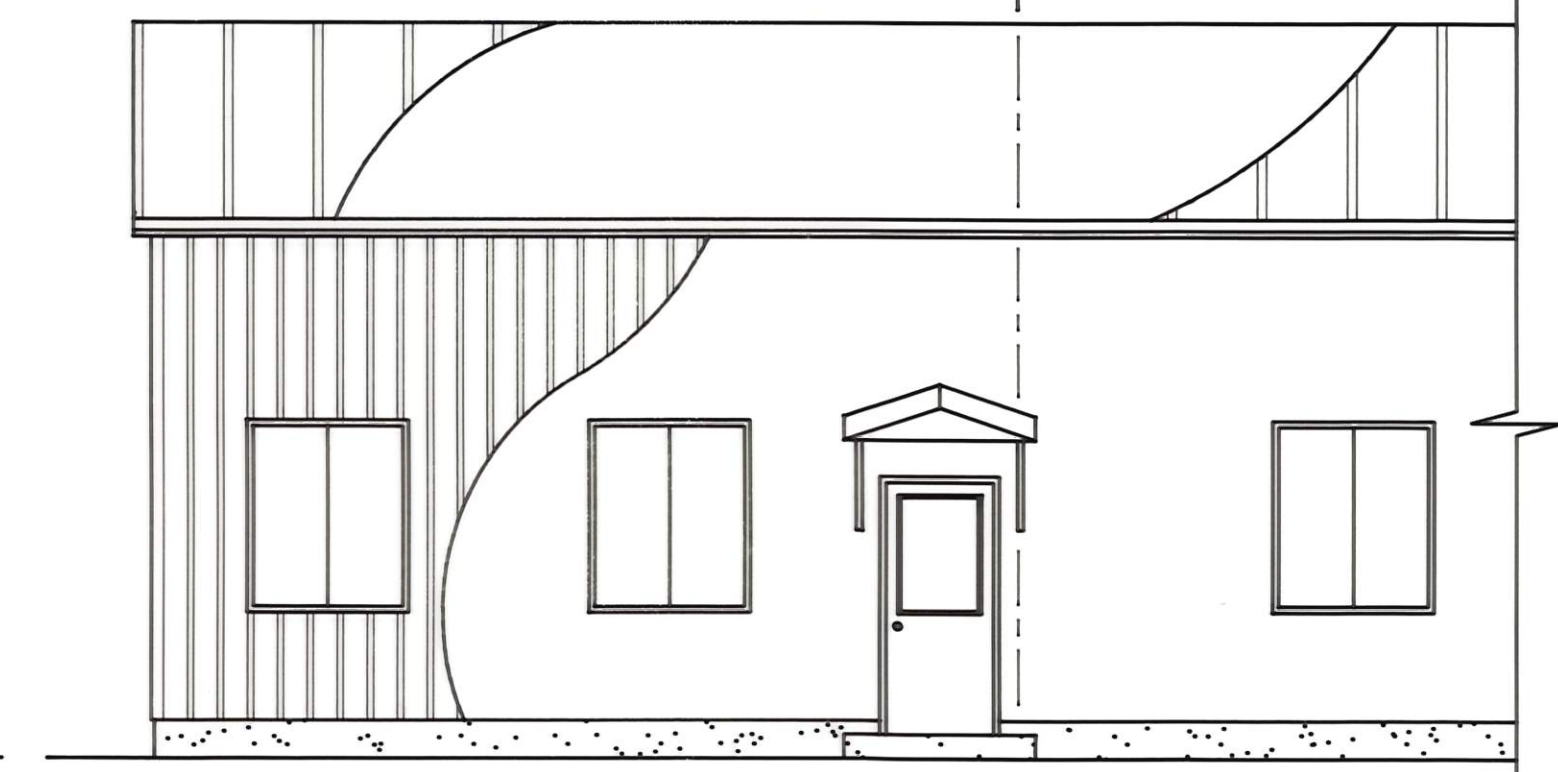
D-146 E



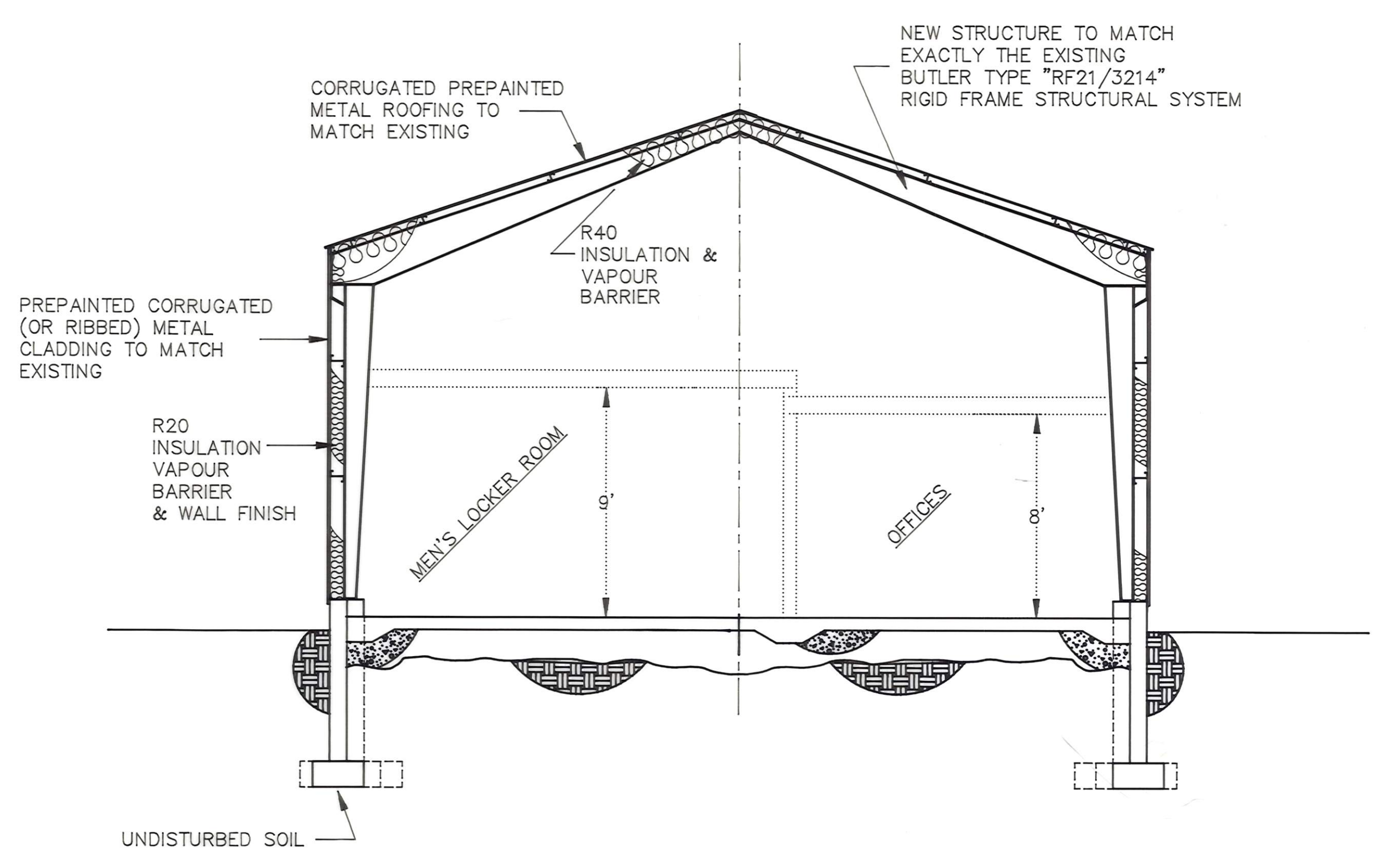
PLAN
1/4" = 1'-0"



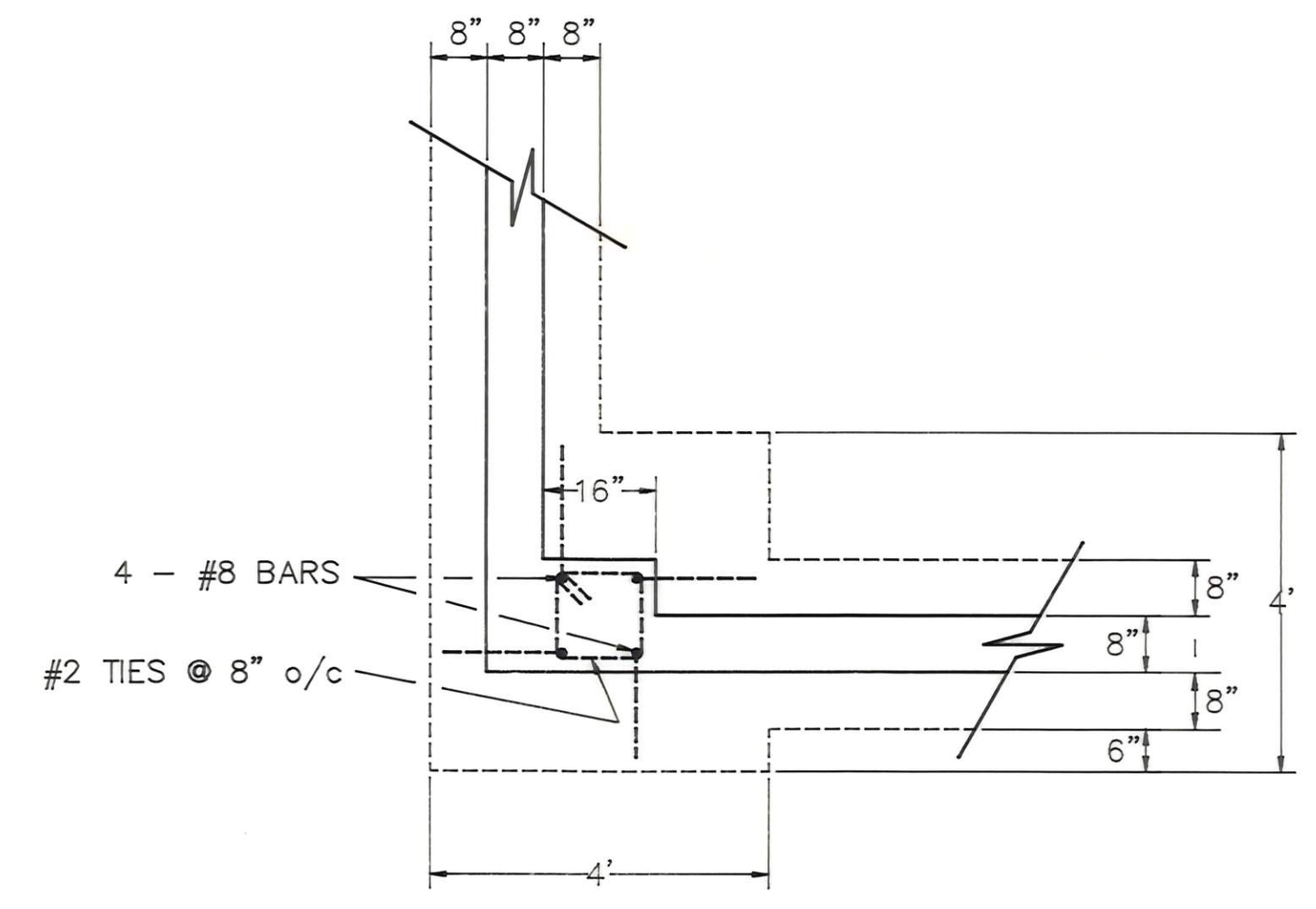
SOUTH ELEVATION
3/16" = 1'-0"



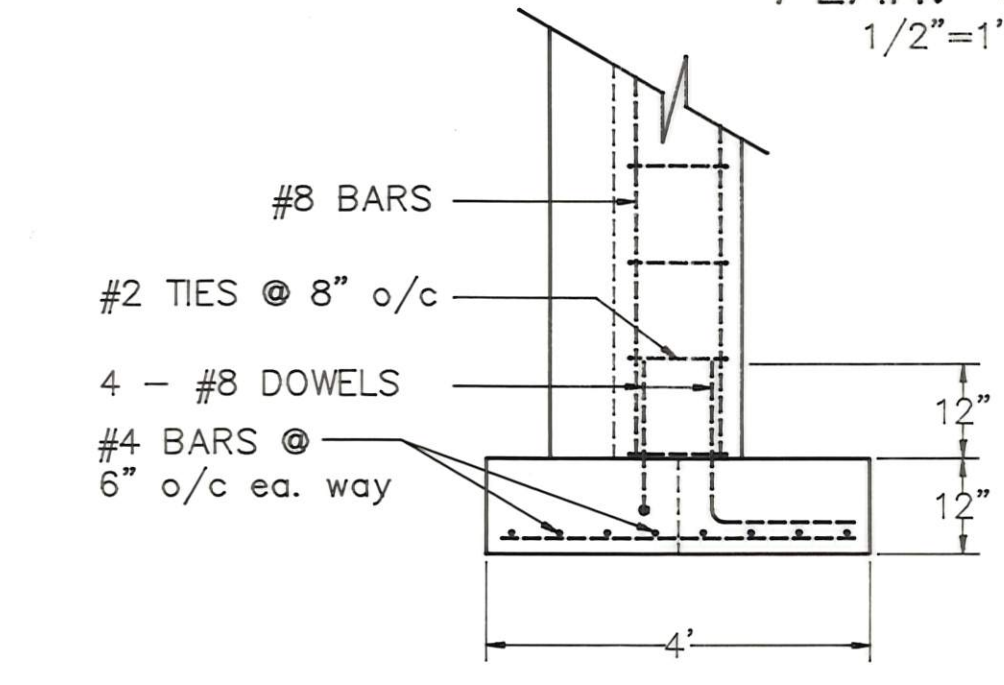
EAST ELEVATION
3/16" = 1'-0"



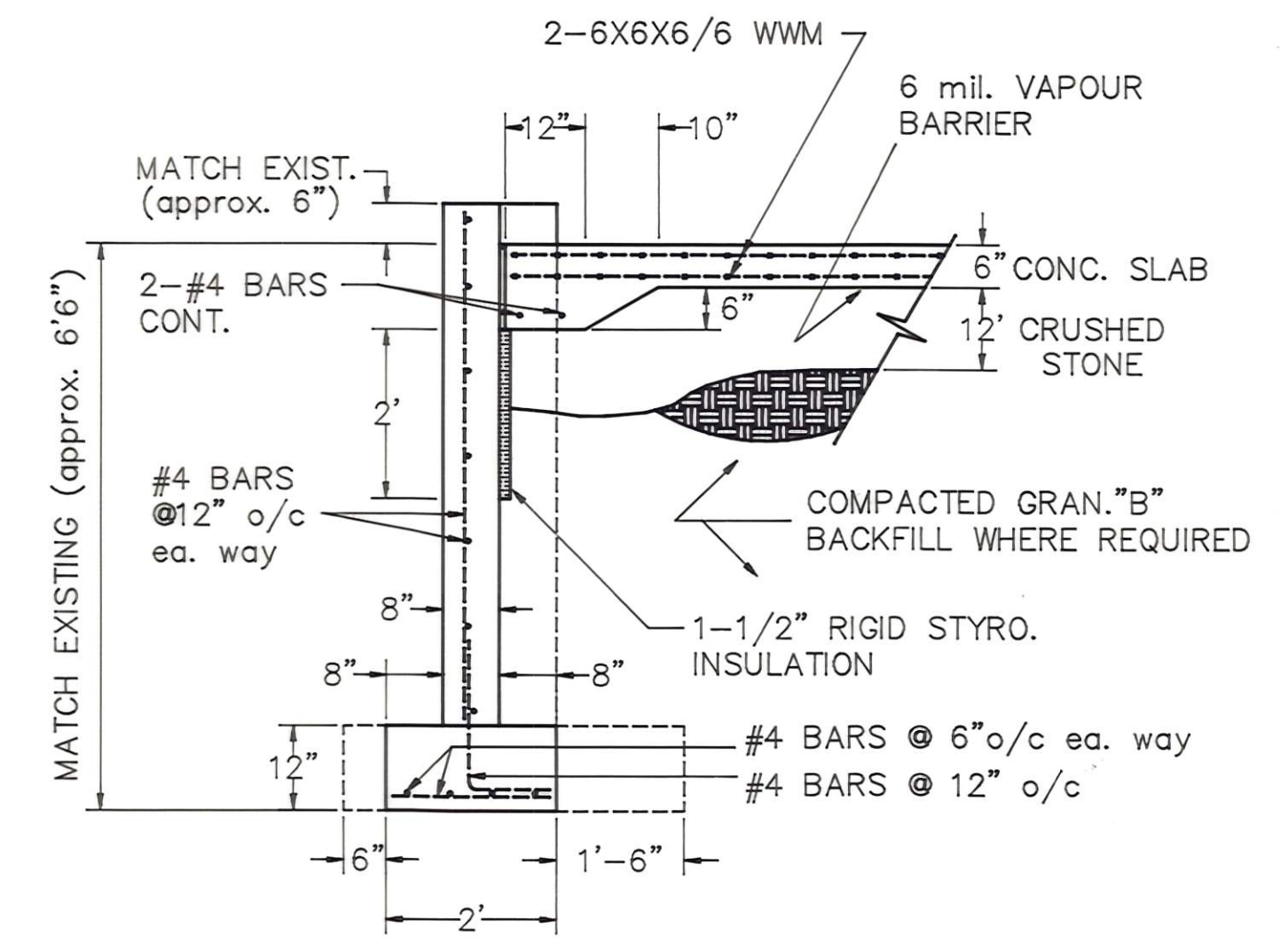
X-SECTION A-A
1/4" = 1'-0"



FOUNDATION PLAN: CORNER DETAIL
1/2" = 1'-0"



FOUNDATION X-SECTION DETAIL
1/2" = 1'-0"



FOUNDATION TYPICAL WALL X-SECTION
1/2" = 1'-0"

NOTE:

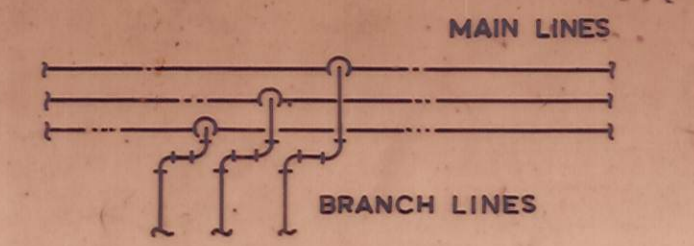
- EXISTING
- NEW

ONTARIO NORTHLAND
RAIL SERVICES ENGINEERING DEPARTMENT

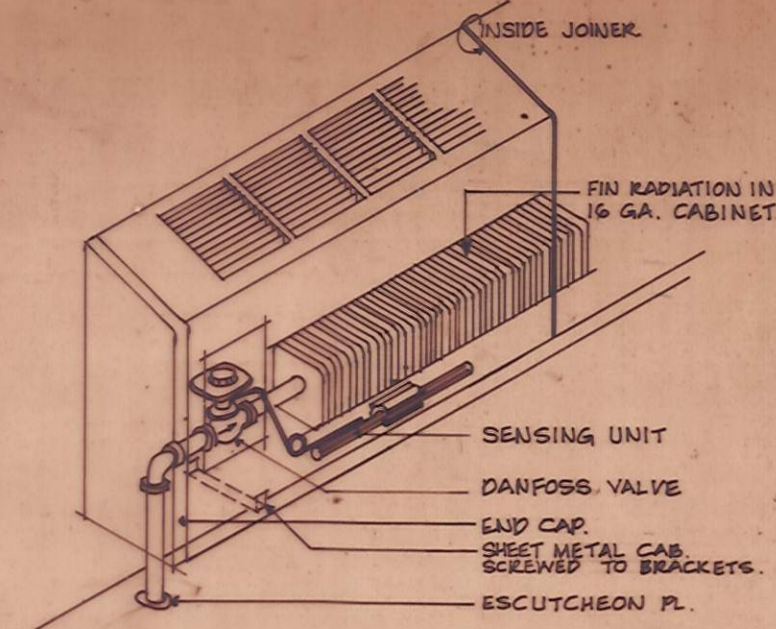
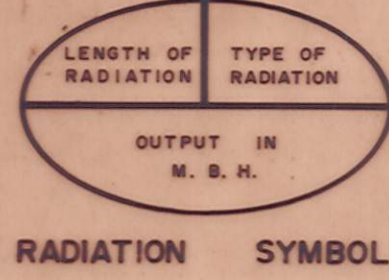
ENGLEHART MECHANICAL
SHOP EXTENSION
PLAN AND ELEVATIONS

REF.	REVISION	DATE	BY	DATE: JULY 92	SCALE: AS INDICATED
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				SHEET: 1 of 1	NO. D-146E

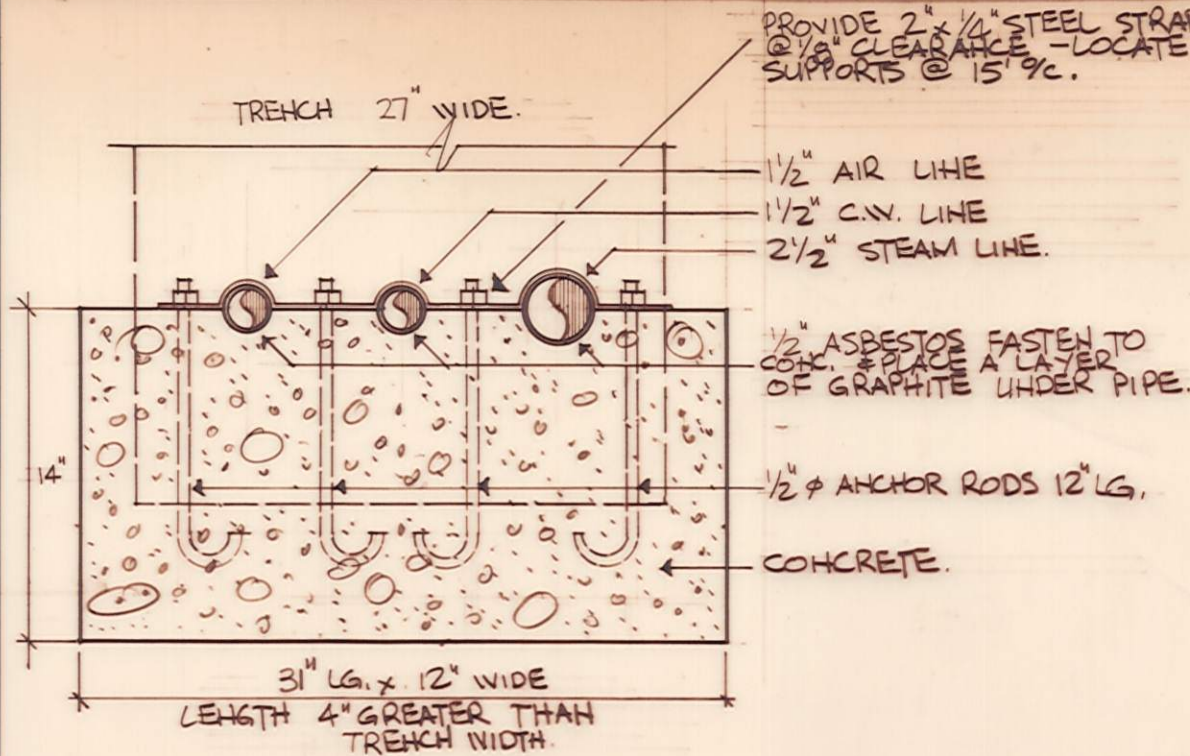
D-146-2



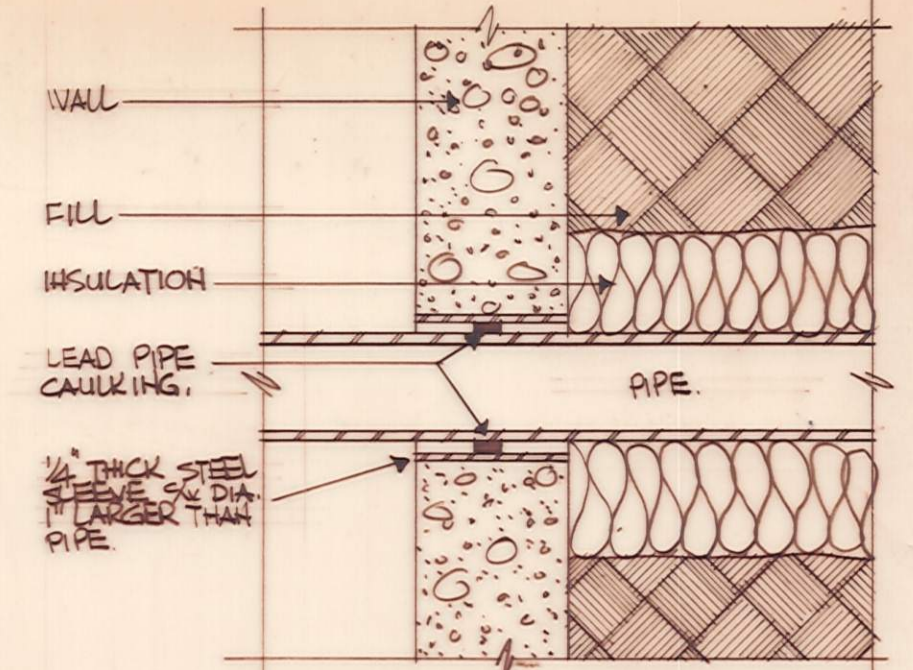
TYPICAL BRANCH TAKE-OFF DIAGRAM
NOTE: APPLIES TO ALL PIPE CONNECTIONS



DANFOSS VALVE MTG. DETAIL n.t.s.



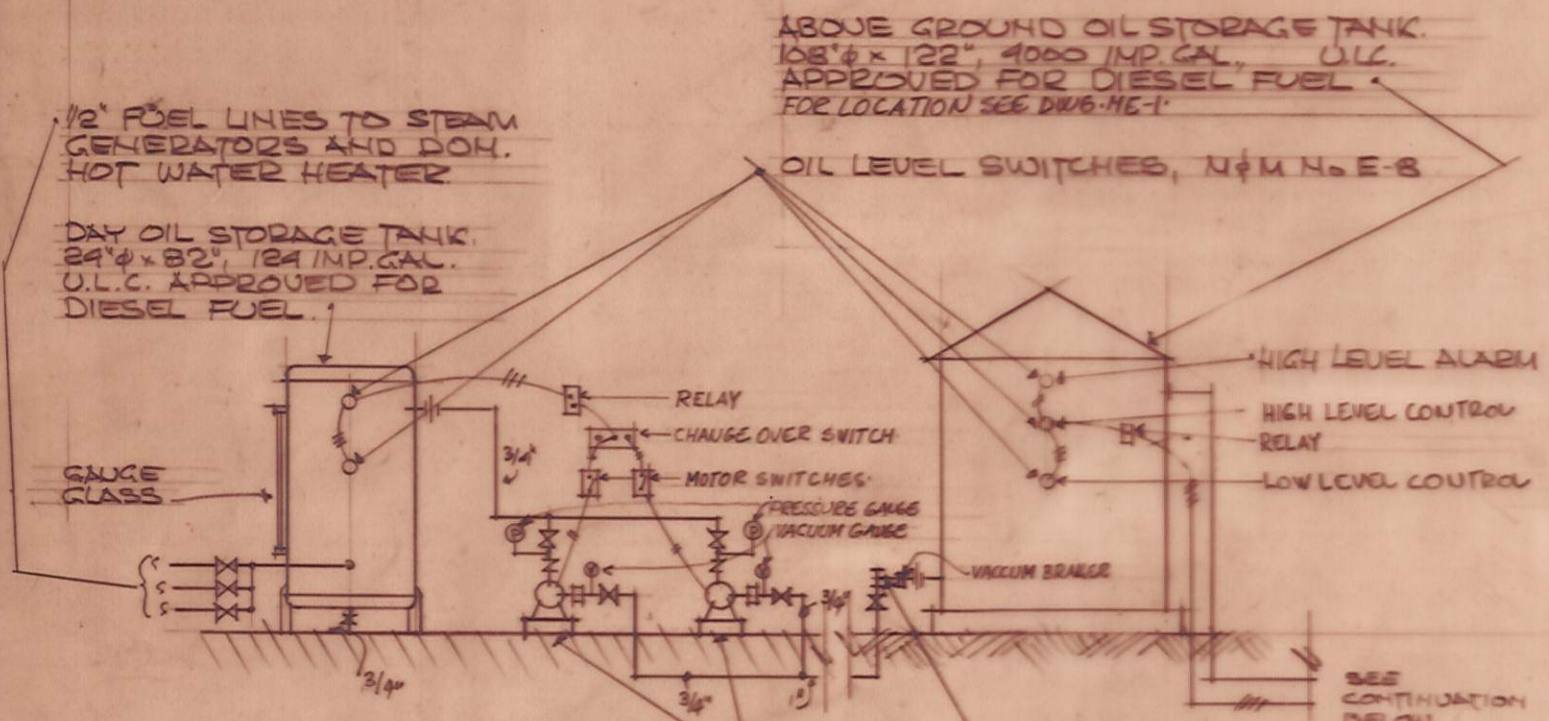
DETAIL OF PIPE SUPPORTS
1/2" = 1'-0"



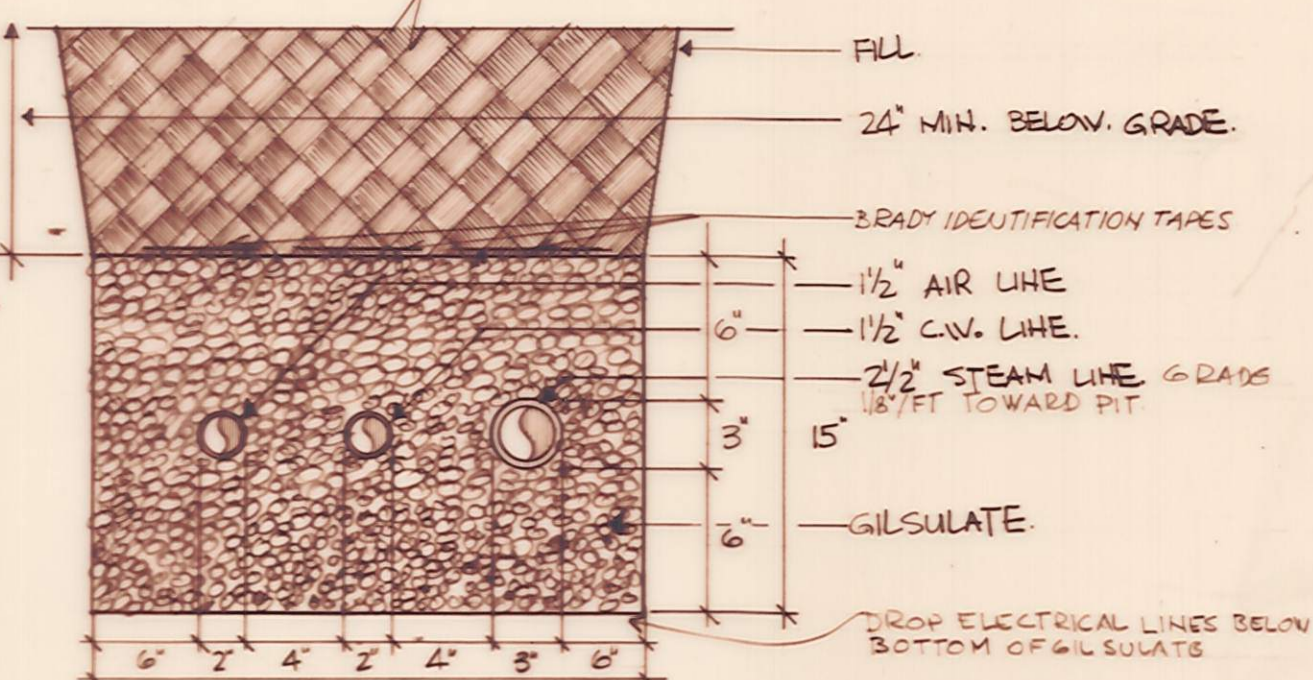
DETAIL OF PIPE THRU WALL n.t.s.

NOTE: THIS DETAIL APPLIES TO UNDERGROUND PIPING AT FITS - IN THE YARD & IN THE BLDG.

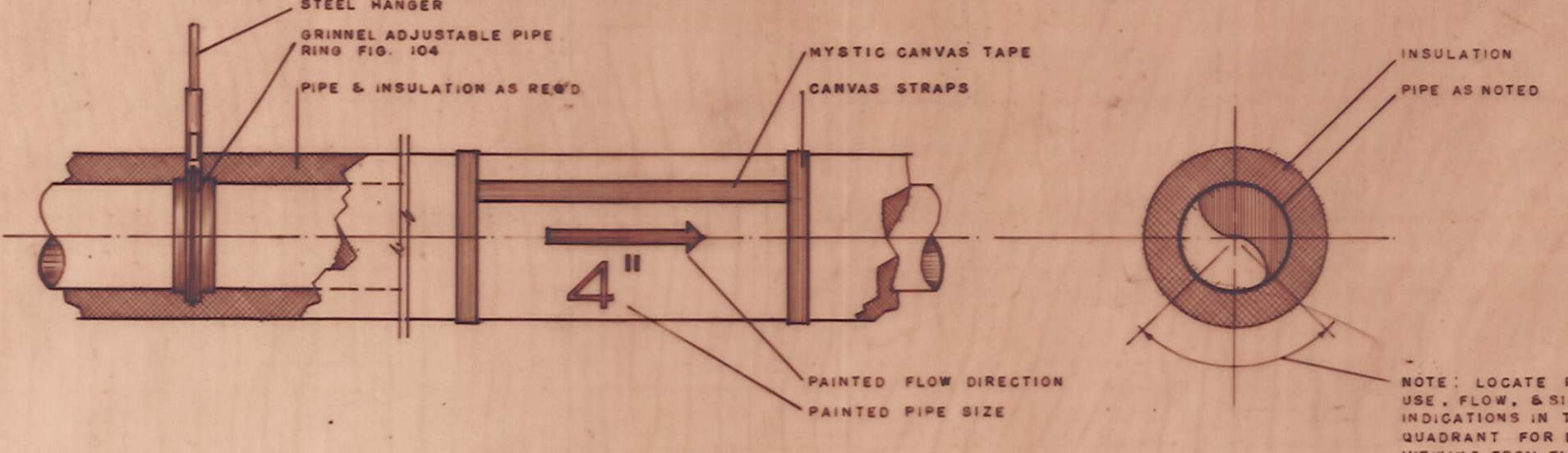
- PLUMBING LEGEND
- STORM SEWER A.G.
 - STORM SEWER B.G.
 - SANITARY SEWER A.G.
 - SANITARY SEWER B.G.
 - VENT
 - FLOOR DRAIN WITH TRAP
 - TRAP
 - CLEAN OUT
 - H.B. HOSE BIBB
 - GLOBE VALVE
 - GATE VALVE
 - CHECK VALVE
 - COLD WATER SUPPLY
 - HOT WATER SUPPLY
 - HOT WATER RECIRC.
 - FIRE CAS. & 1/2 GAL. EXTING.
 - DRY CHEMICAL P.E. - SIZE NOTED
 - PRIMER



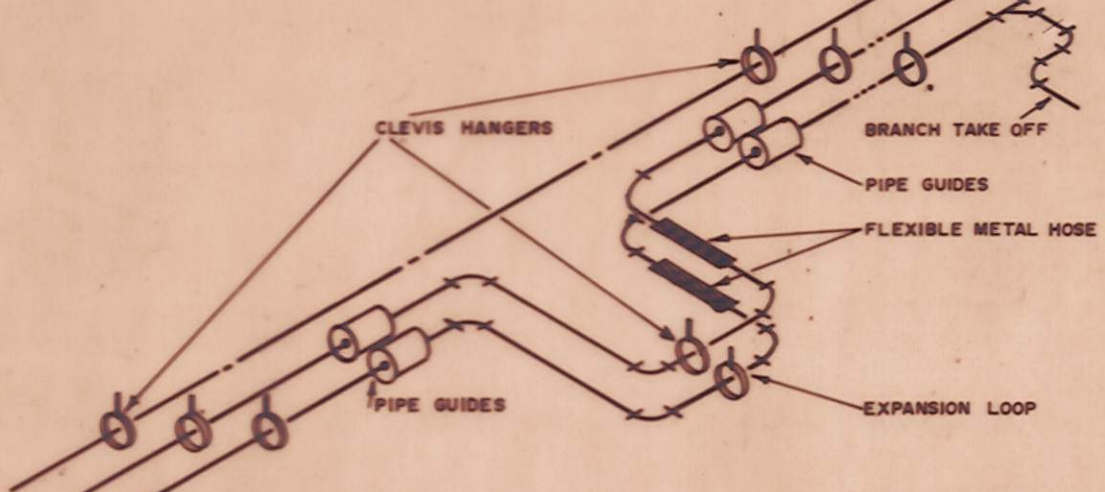
DIESEL FUEL PIPING DIAGRAM n.t.s.



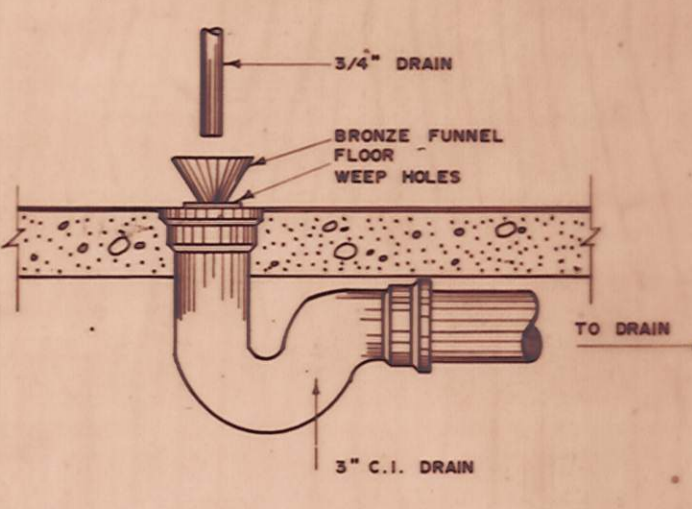
SECTION THRU PIPE TRENCH 1/2" = 1'-0"



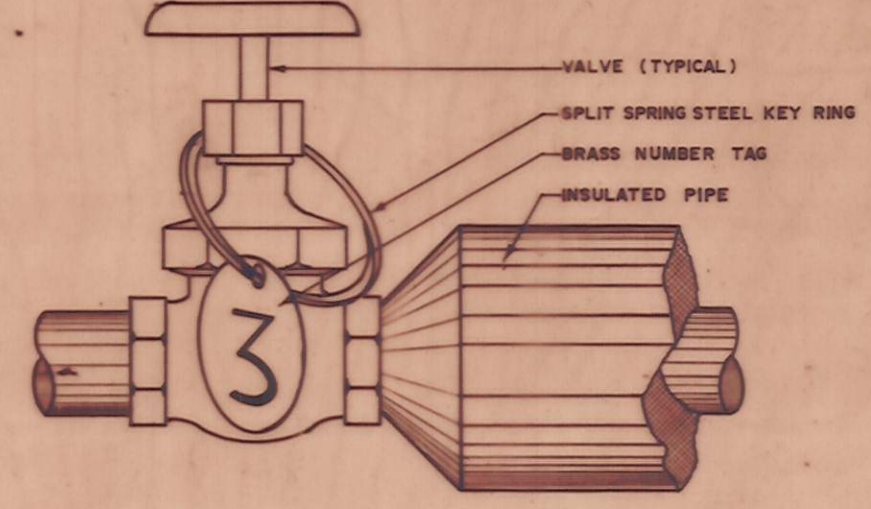
TYPICAL PIPE IDENTIFICATION DETAIL n.t.s.



TYPICAL EXPANSION LOOP ARRANGEMENT n.t.s.



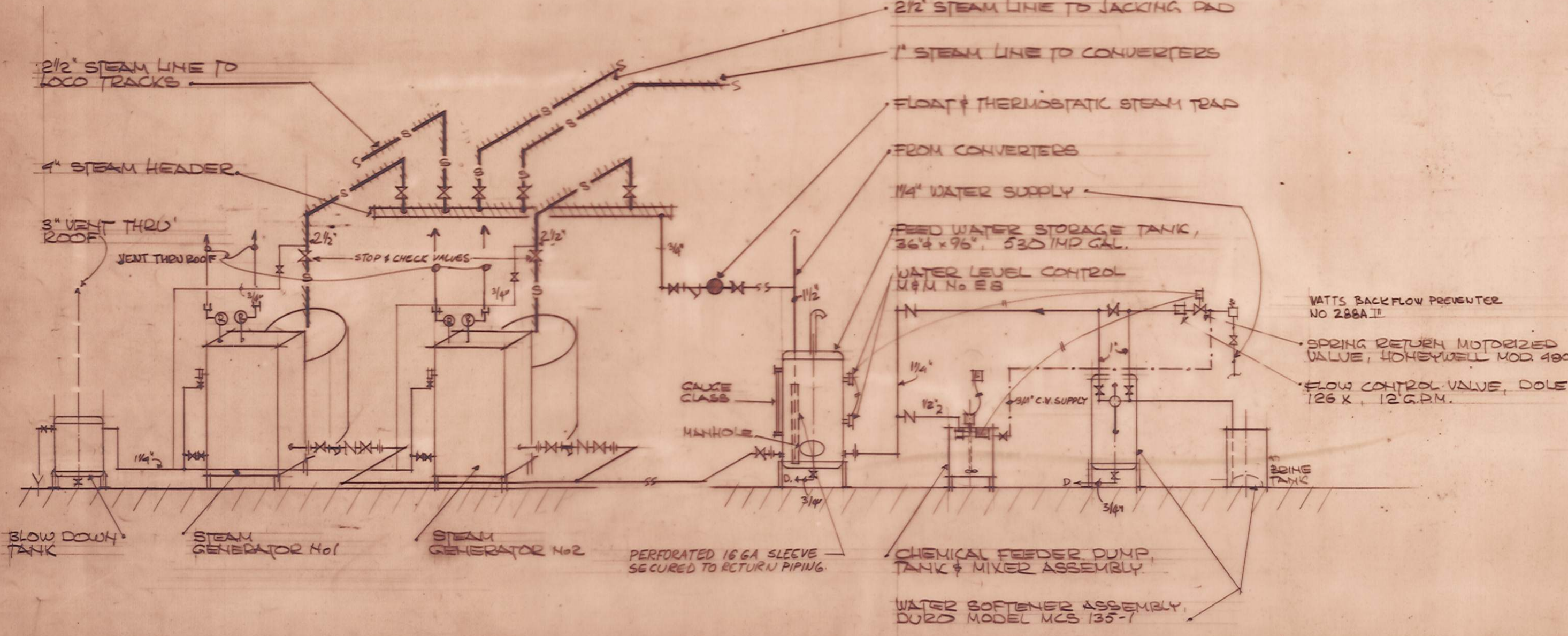
TYPICAL OPEN GAP DRAIN DETAIL n.t.s.



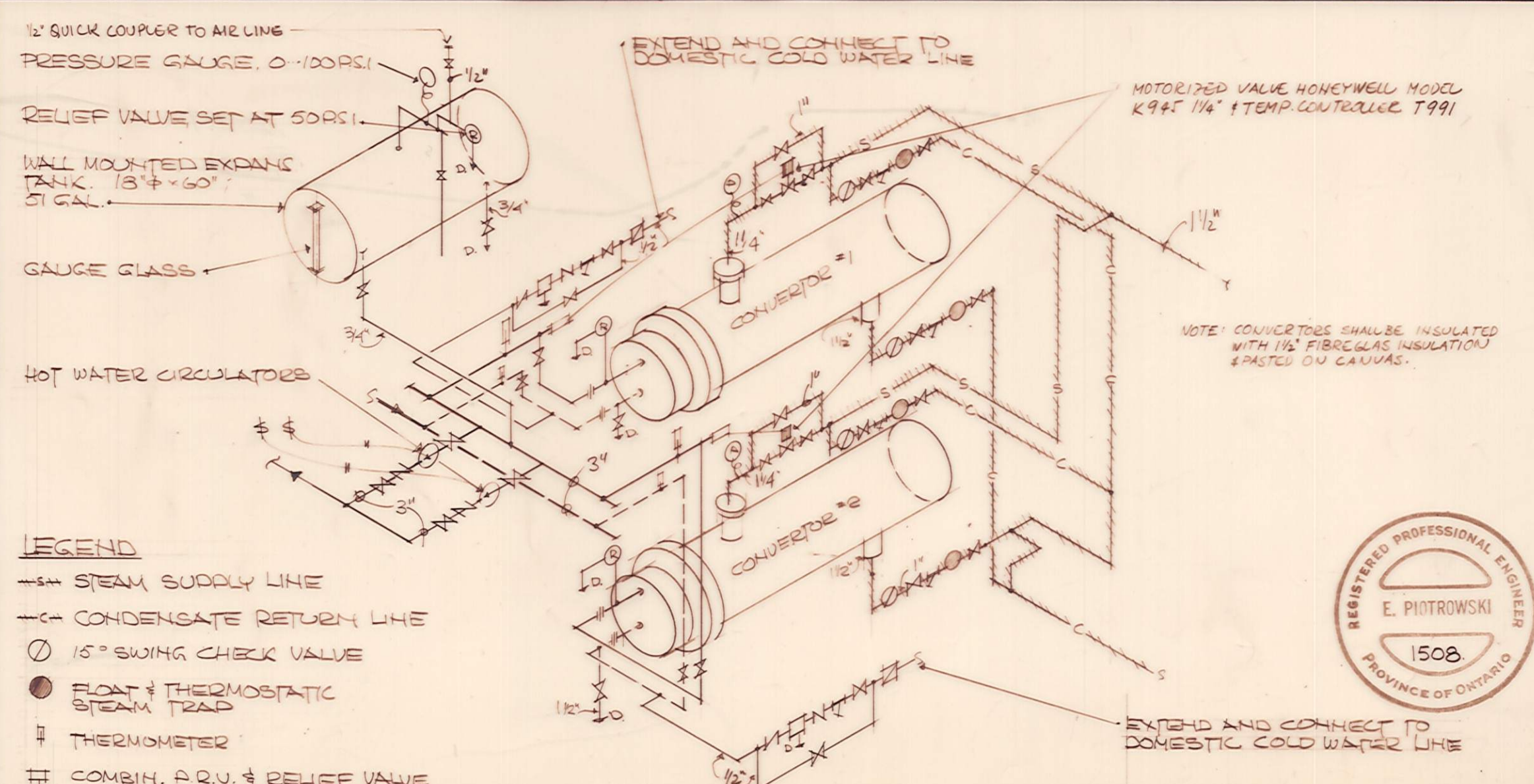
IDENTIFICATION TAG MTG. DETAIL n.t.s.

- HOT WATER HEATING LEGEND
- SUPPLY PIPE
 - RETURN PIPE
 - GATE VALVE
 - GLOBE VALVE
 - CHECK VALVE
 - BALANCING VALVE
 - STRAINER
 - MOTORIZED VALVE
 - DANFOSS VALVE
 - PIPE DOWN TO DRAIN
 - THERMOMETER
 - THERMOSTAT
 - WALL SWITCH
 - THREE SPEED SWITCH
 - WIRING RUN
 - FOS - FUEL OIL SUPPLY
 - FOR - FUEL OIL RETURN
 - GO - FUEL OIL GAUGE
 - LEVELOMETER
 - FUEL OIL VENT

- ELECTRICAL LEGEND
- FLUORESCENT FIXTURE
 - INCANDESCENT FIXTURE - CLG.
 - INCANDESCENT FIXTURE - WALL
 - EXIT FIXTURE
 - CLOCK & OUTLET
 - SPECIAL OUTLET
 - DUPLEX RECEPT.
 - JUNCTION BOX
 - SINGLE PH. MOTOR
 - UNIT HTR. MOTOR
 - MOTORIZED VALVE
 - FAN MOTOR
 - THERMOSTAT
 - BELL - SIZE NOTED
 - PUSH BUTTON
 - SPEAKER - WALL
 - SPEAKER - CLG.
 - FIRE ALARM SIGNAL
 - FIRE PULL STATION 60" UP
 - 136" FIRE DETECTOR
 - 200" FIRE DETECTOR
 - WALL MOUNTED SWITCH 48" UP
 - SWITCH WITH PILOT LIGHT
 - \$3P THREE SPEED SWITCH
 - WIRING & CONDUIT
 - X SOUND WIRING & CONDUIT
 - T.V. WIRE & CONDUIT
 - TELEPHONE CONDUIT
 - F.A. WIRE & CONDUIT
 - T.V. OUTLET



BOILER FLOW PIPING DIAGRAM n.t.s.



- LEGEND
- STEAM SUPPLY LINE
 - CONDENSATE RETURN LINE
 - 15" SWING CHECK VALVE
 - FLOAT & THERMOSTATIC STEAM TRAP
 - THERMOMETER
 - COMBIN. P.R.V. & RELIEF VALVE
 - WATS BACKFLOW PREVENTER

CONVERTOR PIPING DIAGRAM n.t.s.



ONTARIO NORTHLAND RAILWAY
ENGINEERING DEPT. NORTH BAY ONT.

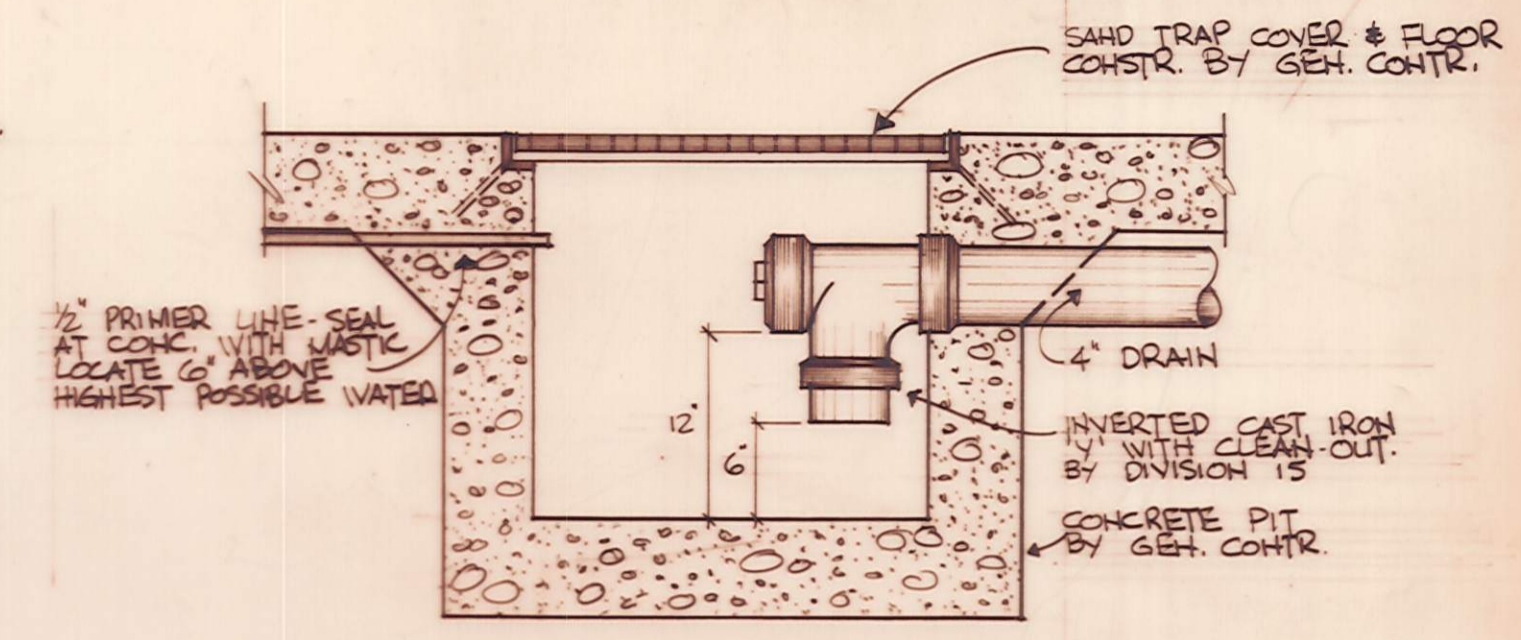
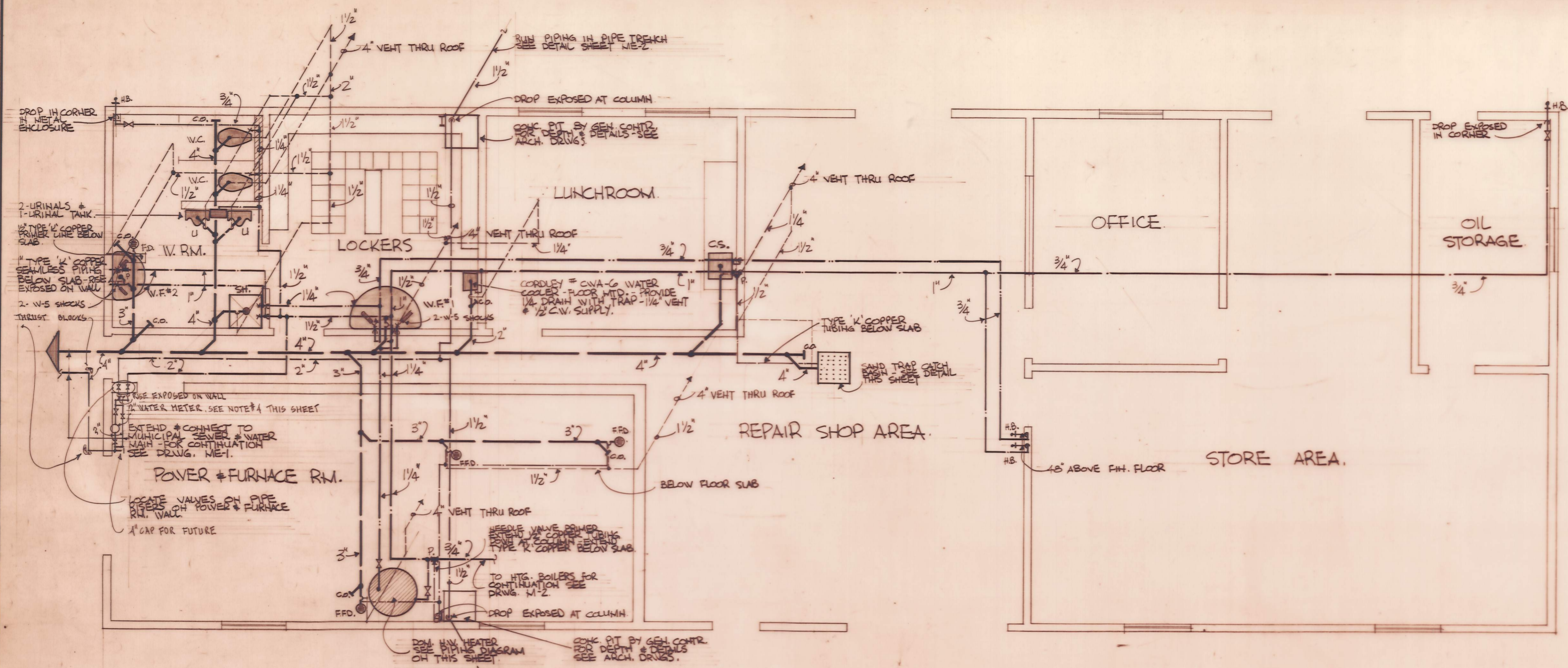
MECHANICAL BUILDING

ENGLEHART ONTARIO

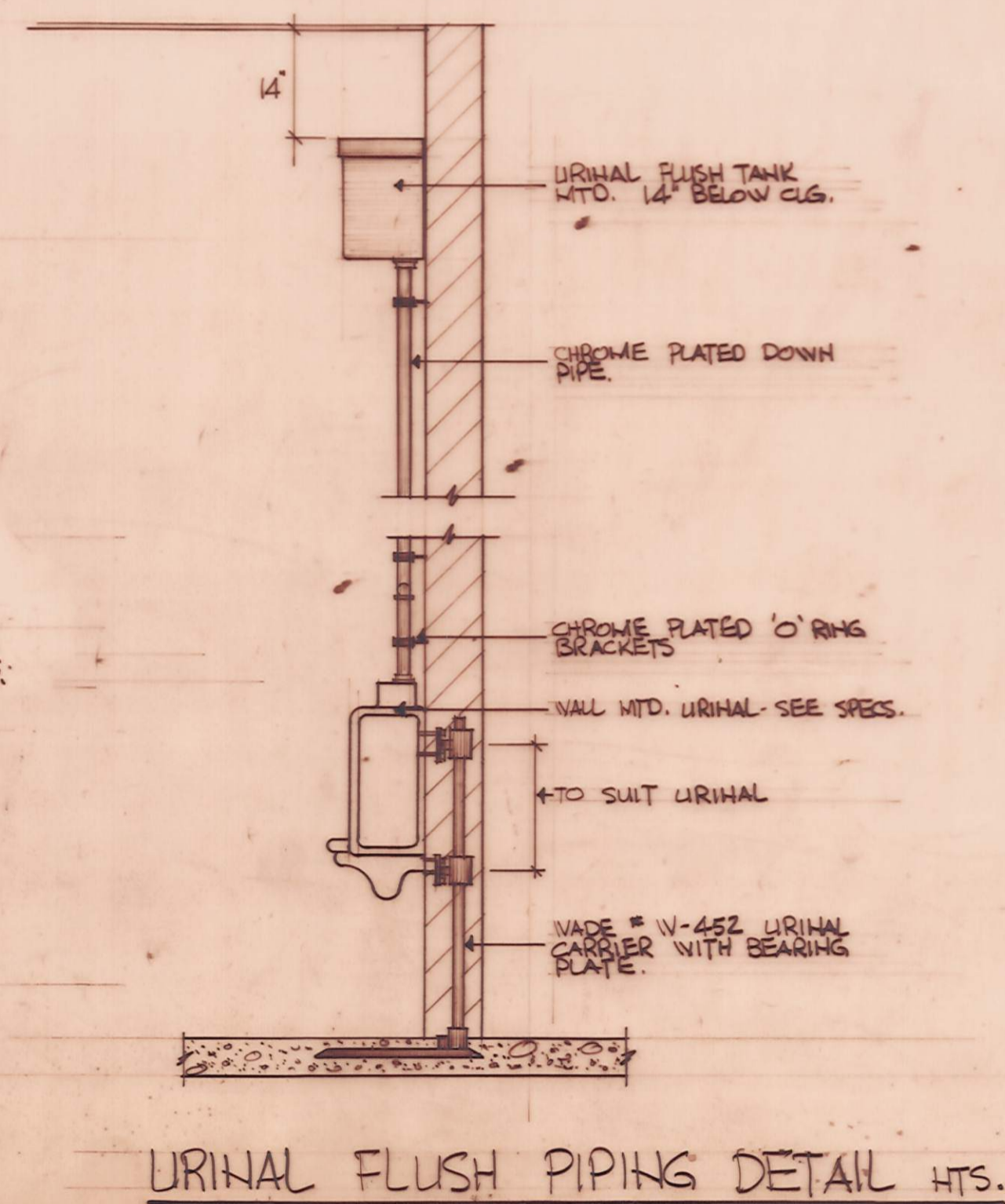
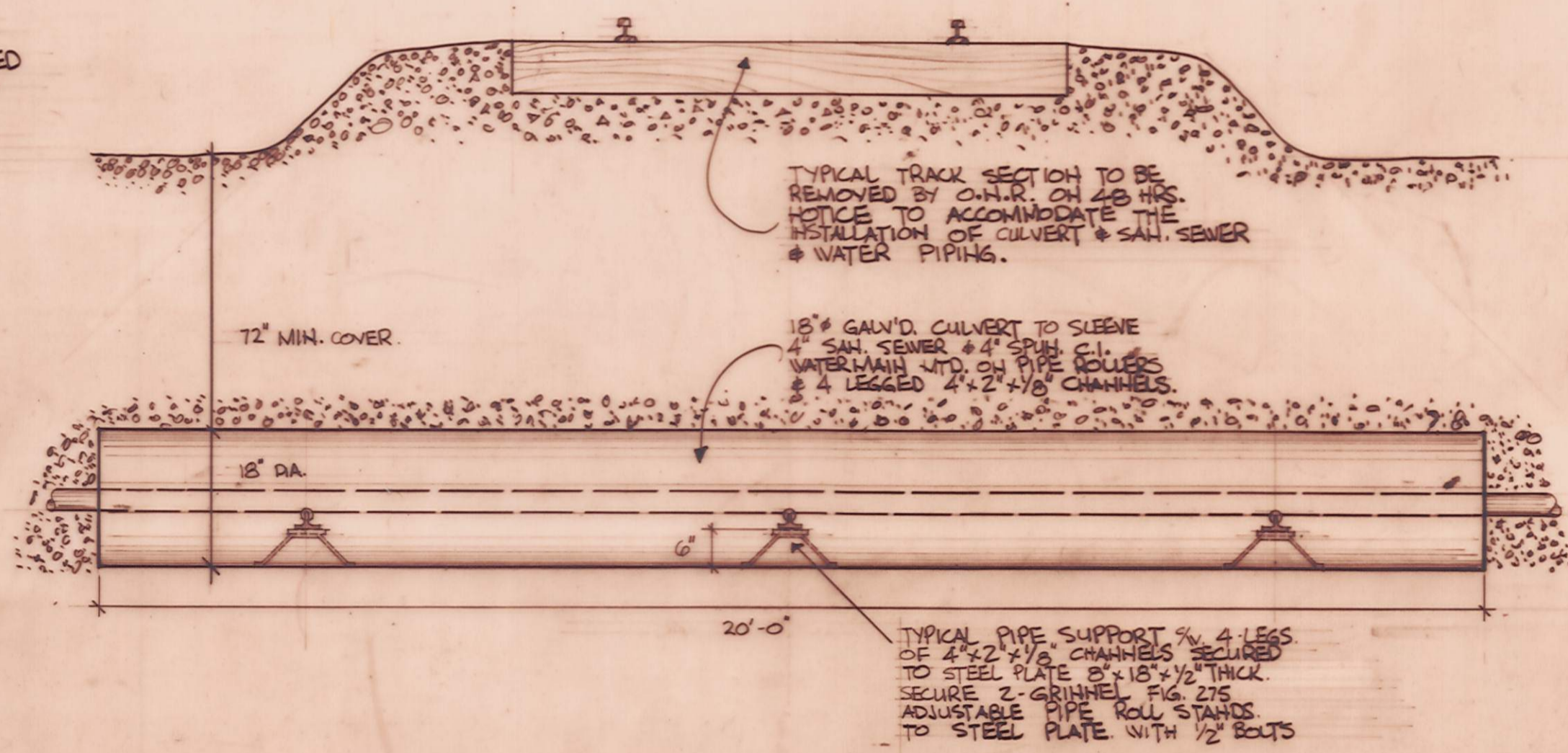
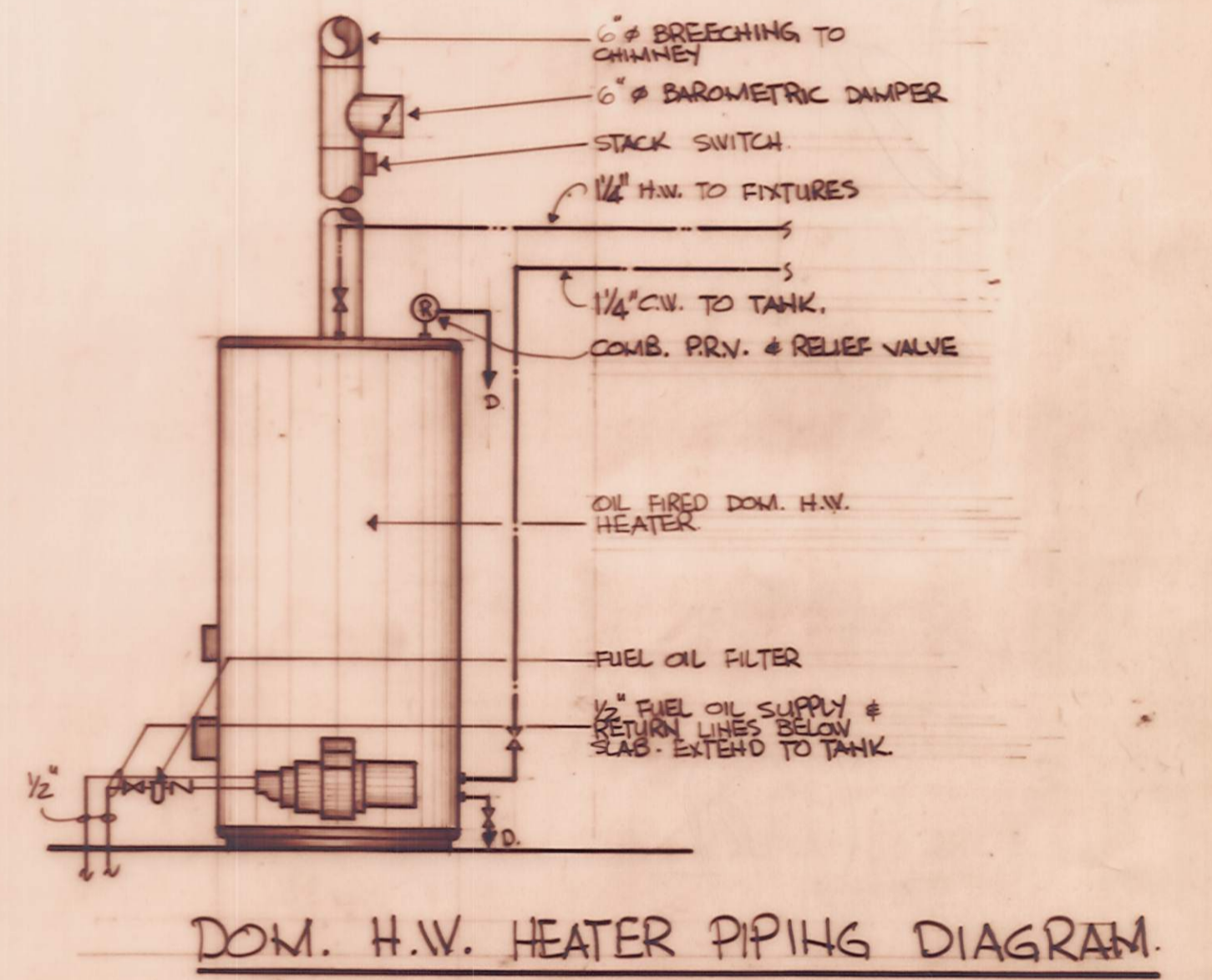
DRAWN BY C.D.S. CHKD. BY E.H.P.

APPROVED

SCALE AS NOTED. DATE AUGUST 1973. DRWG. NO. ME-2.



PLUMBING FIXTURE	WARRANTED	DRAIN	VENT	H.W.	C.W.	COMMENTS
WATER CLOSET	W.C.	4"	1 1/2"	—	1"	TO VALVE
URINAL	U	2"	1 1/2"	—	1/2"	TO TANK
COUNTER SINK	C.S.	1 1/2"	1 1/4"	1/2"	1/2"	
SHOWER	SH.	2"	1 1/2"	1/2"	1/2"	
WASH FOUNTAIN	W.F.#2	2"	1 1/2"	1"	1"	



ONTARIO NORTHLAND RAILWAY.
ENGINEERING DEPT. NORTH BAY ONT.

MECHANICAL BUILDING.
ENGLEHART ONTARIO

DRAWN BY CHKD. BY
C.I.S. E.I.P.

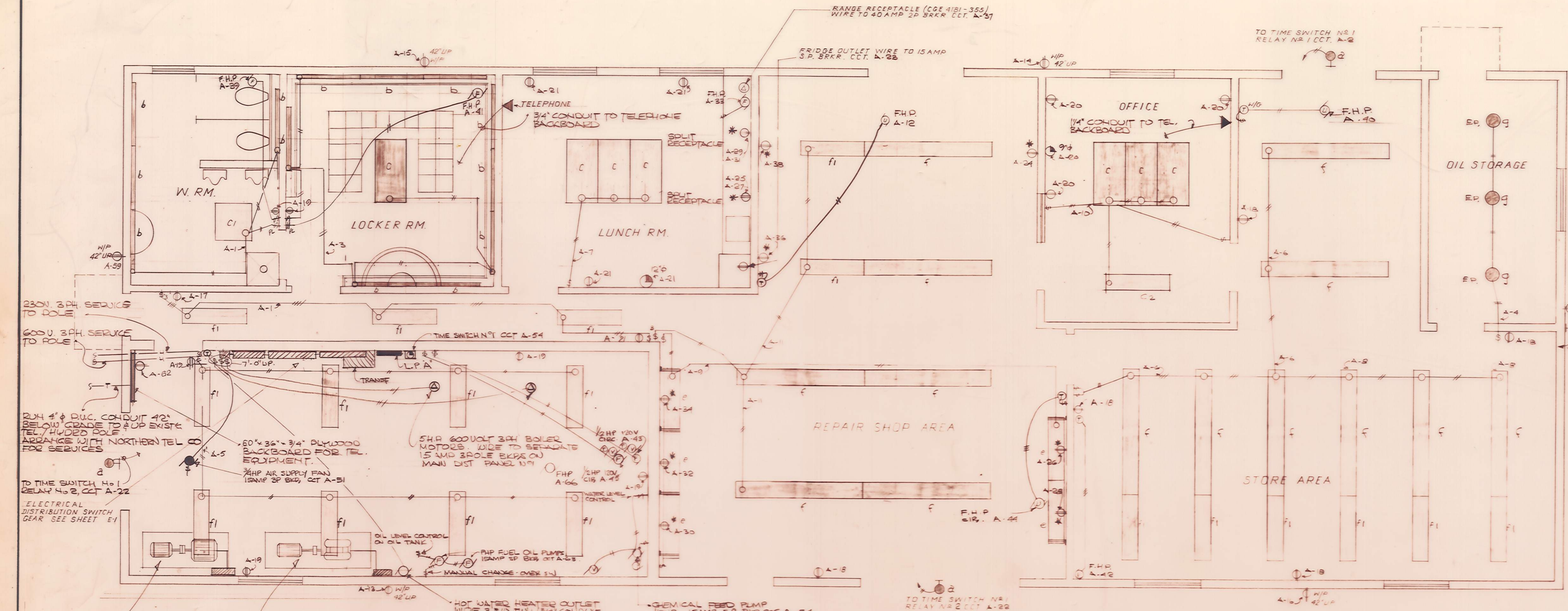
APPROVED

SCALE AS NOTED DATE AUGUST 1973 DRWG. NO. M-1



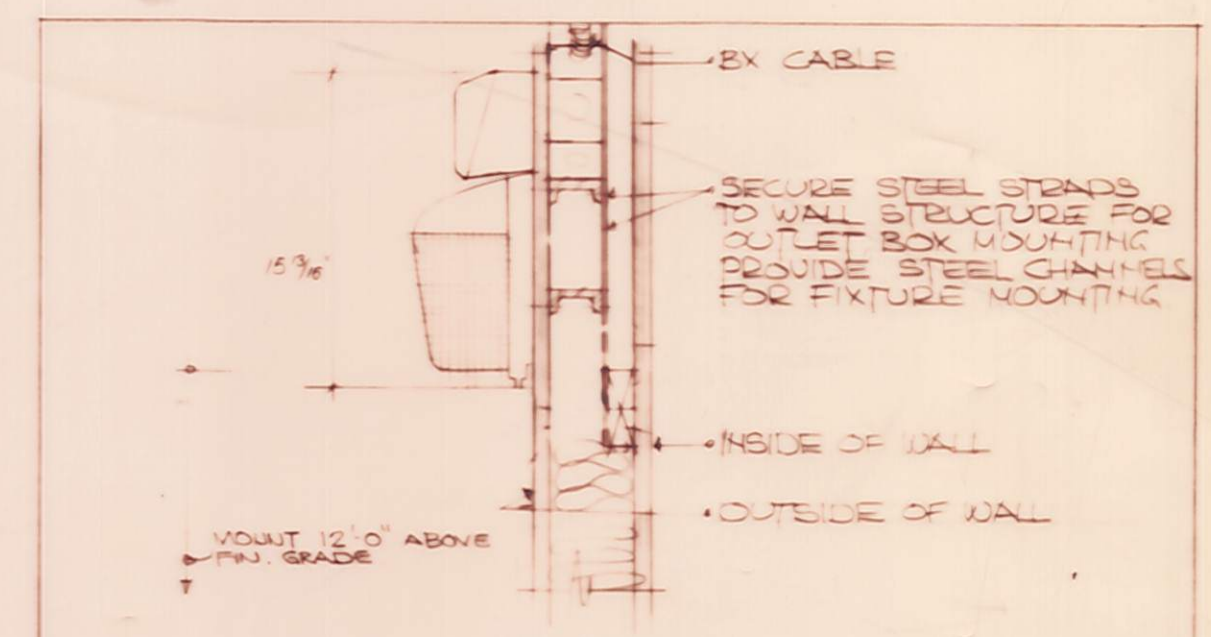
D-146-3

D-146-4

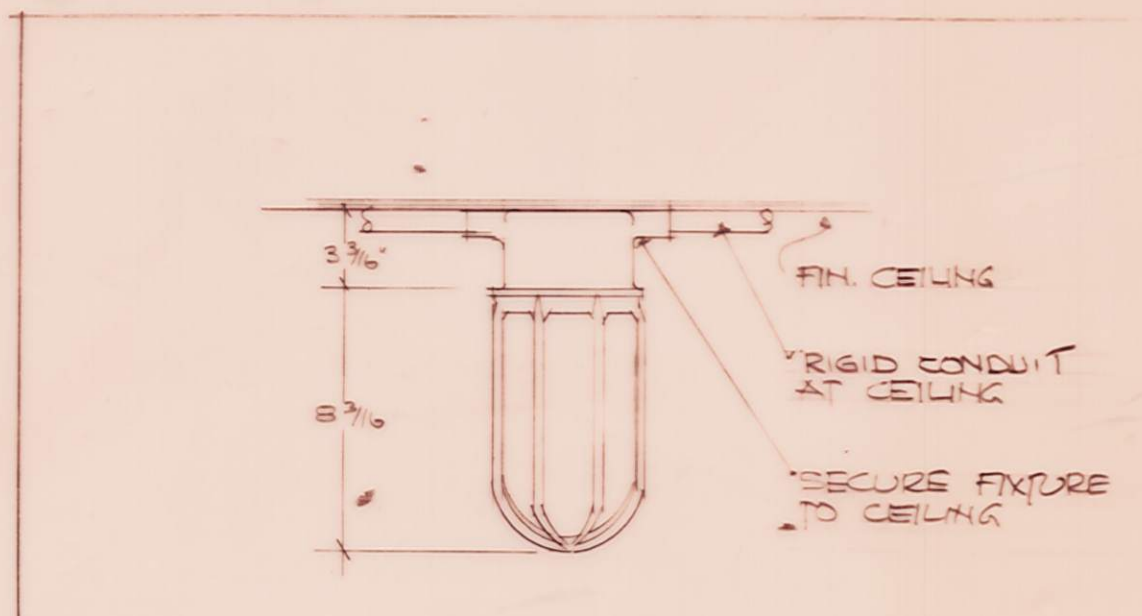


- ELECTRICAL LEGEND**
- FLUORESCENT FIXTURE
 - INCANDESCENT FIXTURE - WALL
 - INCANDESCENT FIXTURE - WALL
 - CLOCK & OUTLET MTD. UP
 - SPECIAL OUTLET AS NOTED
 - DUPLEX RECP. MTD. 20" UP C/L OF RECEPT
 - JUNCTION BOX
 - SINGLE PH MOTOR
 - THREE PH MOTOR
 - FAN MOTOR
 - THERMOSTAT MTD 60" UP
 - WALL MTD SWITCH 50" UP C/L OF SW
 - SWITCH WITH PILOT LIGHT 50" UP C/L OF SW
 - THREE WAY SWITCH 50" UP C/L OF SW
 - FOUR WAY SWITCH 50" UP C/L OF SW
 - KEY SWITCH WITH PILOT LIGHT
 - TELEPHONE HANDSET (OUTSIDE LINE)
 - DUPLEX RECEPT MTD 42" UP C/L OF RECEPT
 - TIME SWITCH
 - AIRING & CONDUIT
 - TELEPHONE CONDUIT
 - TELEPHONE OUTLET

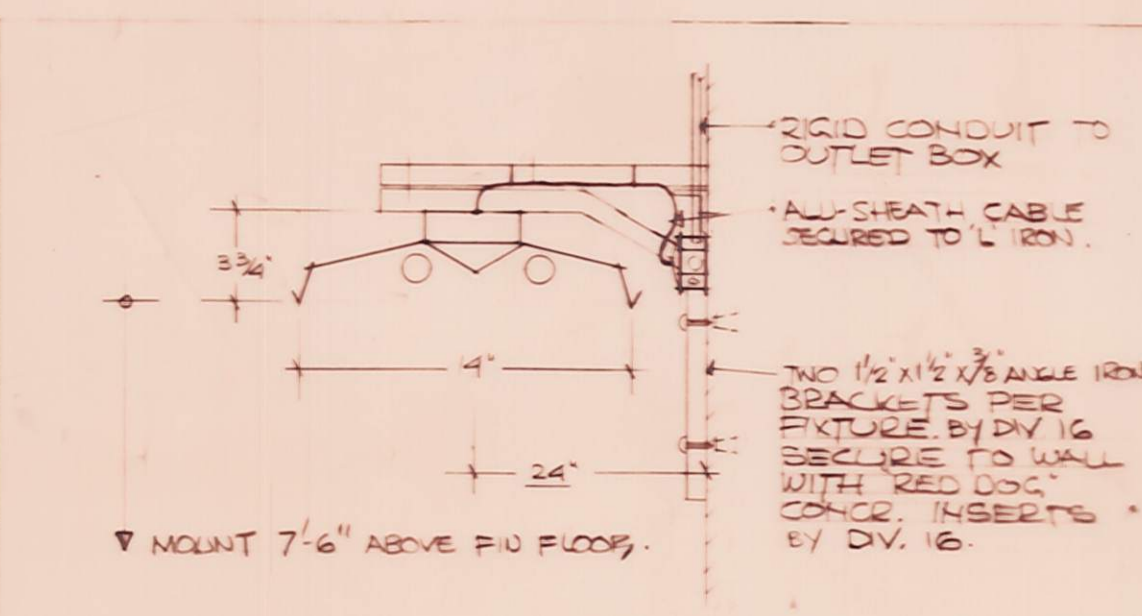
ELECTRICAL PLAN 1/4" = 1'-0"



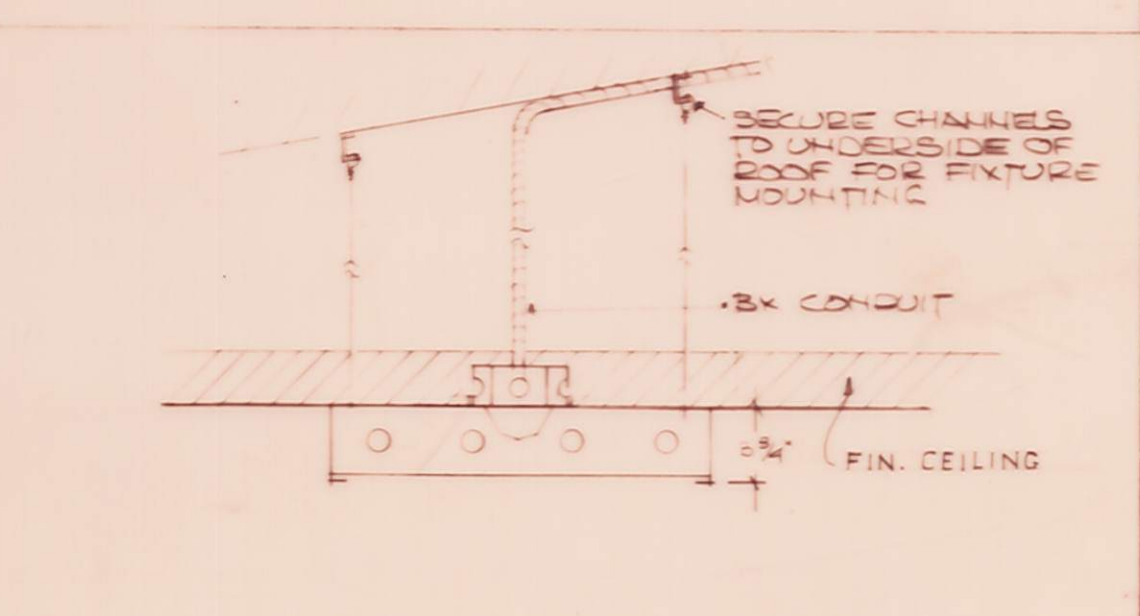
1. HOLOPHANE #483-120 WITH 175W. DE LUXE WHITE COLOUR CORRECTED MERCURY VAPOUR LAMP.



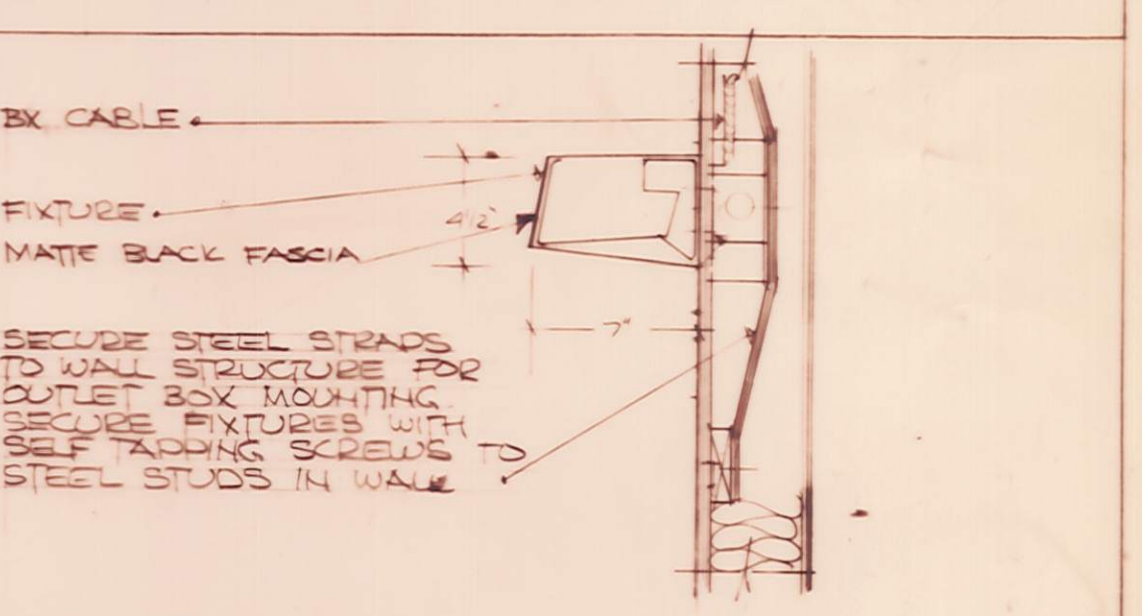
1. GROUSE HINDS No EVCX 202 WITH 300 WATT LAMP EXPLOSION PROOF.



2. WILSON No 922-240 WITH 2-40W R.S. LAMPS.

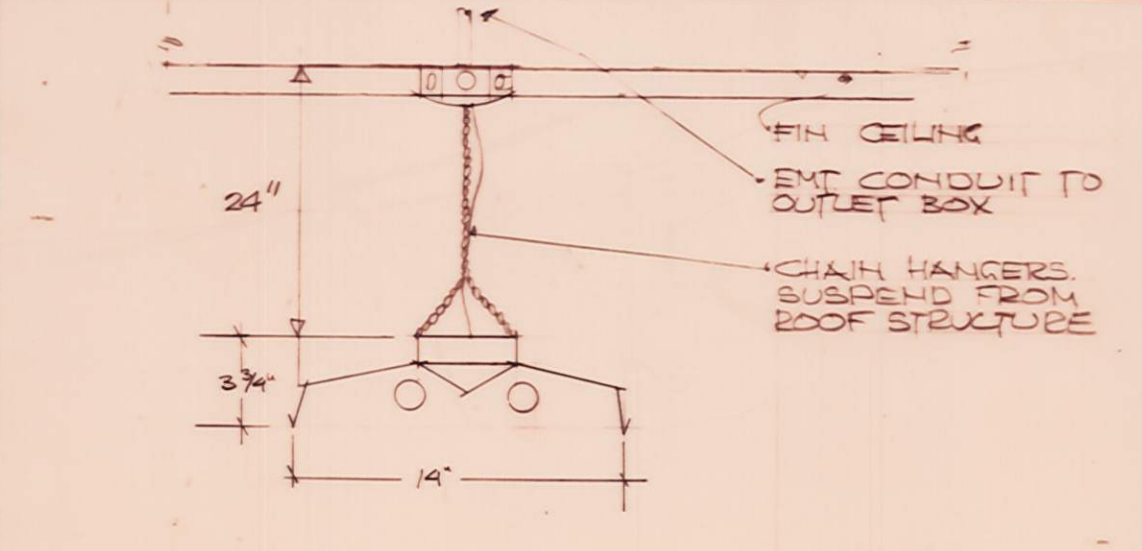


3. WILSON No 654-440-A12 WITH 4-40W R.S. LAMPS (2' X 4')
 4. WILSON No 654-220-A12 WITH 2-40W R.S. LAMPS (2' X 2')
 5. WILSON No 654-240-A12 WITH 2-40W R.S. LAMPS (1' X 4')

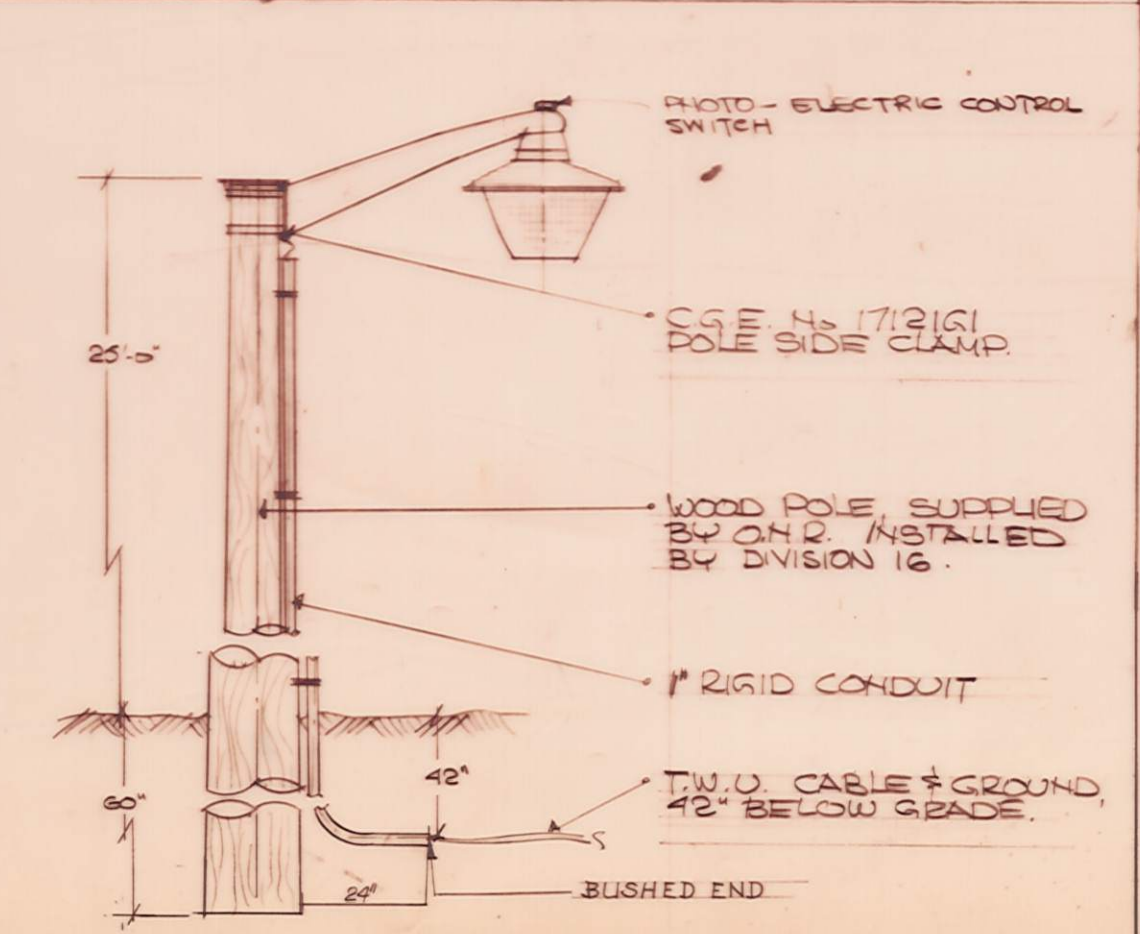


6. WILSON No 632-240-M.B WITH 2-40W R.S. LAMPS. # MATTE BLACK FASCIA.

NOTE REFER TO DRAWINGS M-1 #M-2 #MECH. SPECS FOR ALL CONTROL WIRING TO BE WIRED BY DIVISION 16.



f WILSON No 922-180T WITH 4-40W. R.S. LAMPS
 g WILSON No 922-240 WITH 2-40W. R.S. LAMPS



d C.G.E. No 572094 WITH 100W. DELUXE WHITE COLOUR CORRECTED MERCURY VAPOUR LAMP.



ONTARIO NORTHLAND RAILWAY ENGINEERING DEPT. NORTH BAY ONT.

MECHANICAL BUILDING.

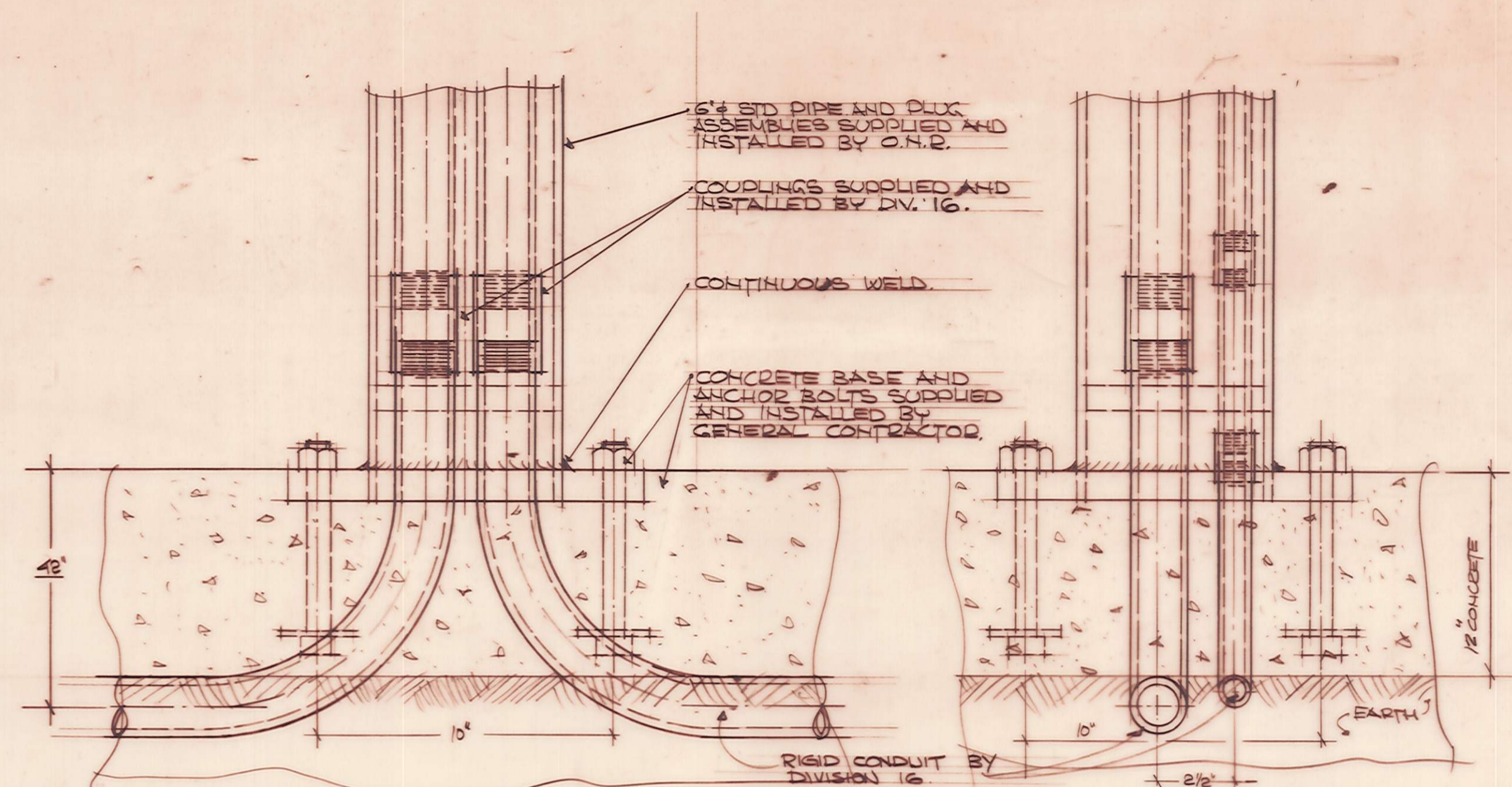
ENGLEHART ONTARIO

DRAWN BY C.W.F. CHD. BY E.I.P.

APPROVED

SCALE AS NOTED DATE AUGUST 1973 DRWG. NO. E-1.

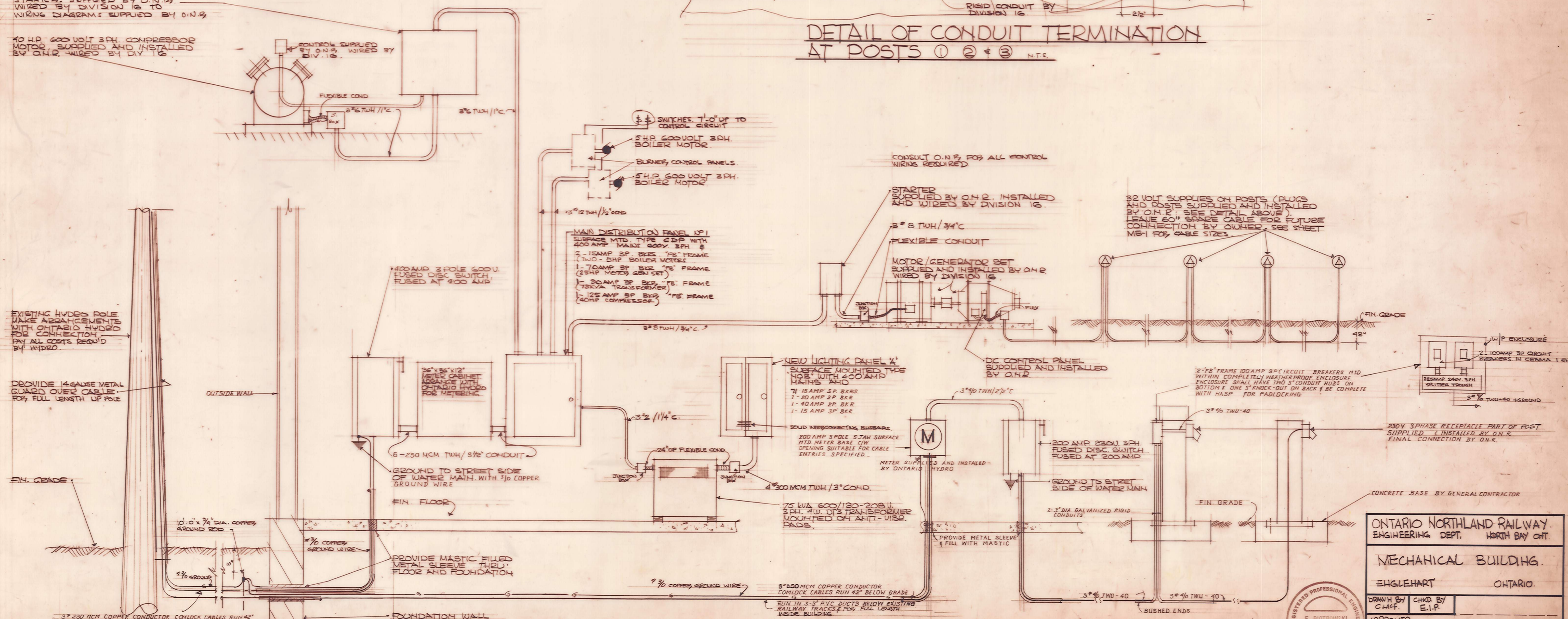
D-146-5



DETAIL OF CONDUIT TERMINATION AT POSTS 1 2 & 3 N.T.S.

STARTERS, SUPPLIED BY O.N.R. WIRED BY DIVISION 16 TO WIRING DIAGRAM. SUPPLIED BY O.N.R.

40 H.P. 600 VOLT 3 PH. COMPRESSOR MOTOR SUPPLIED AND INSTALLED BY O.N.R. WIRED BY DIV. 16.



ELECTRICAL RISER DIAGRAM

EXISTING HUDDS POLE MAKE ADJUSTMENTS WITH ONTARIO HYDRO FOR CONNECTION. PAY ALL COSTS REQUIRED BY HYDRO.

PROVIDE 1/4\"/>

FIN. GRADE

OUTSIDE WALL

10'-0\"/>

PROVIDE MASTIC FILLED METAL SLEEVE THRU FLOOR AND FOUNDATION

FOUNDATION WALL

3\"/>

ONTARIO NORTHLAND RAILWAY ENGINEERING DEPT. NORTH BAY ONT.

MECHANICAL BUILDING.

ENGLEHART ONTARIO.

DRAWN BY C.M.F. CHKD BY E.I.P. APPROVED.

SCALE AS NOTED DATE AUGUST 1973 DRAWING NO. E-2.

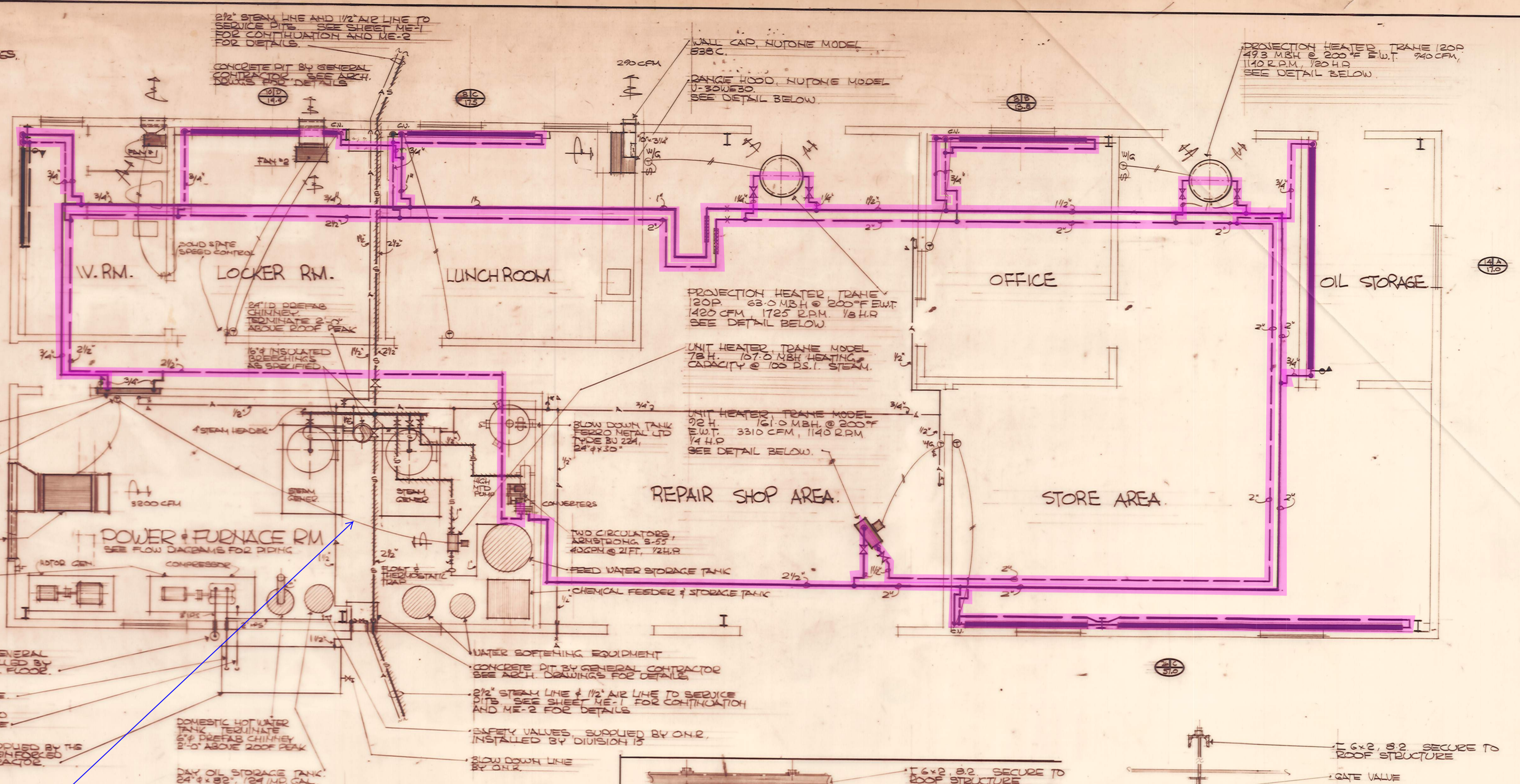


EXHAUST FAN #1
 DENN ZEPHYR 2-10 320 CFM @ 250 S.P.
 7/8 H.D. 105D 2 R.M. 7" Ø DUCT TO 18" x 12"
 WALL LOUVER GRAVITY BACK-DRAFT
 DAMPER AT WALL SUSPEND FAN WITH 4-10GA ST. WIRES.

EXHAUST FAN #2
 DENN ZEPHYR 2-12 805 CFM @ 250 S.P.
 1/8 H.D. 105D 2 R.M. 18" x 6" DUCT TO 18" x 18" WALL
 LOUVER GRAVITY BACK-DRAFT DAMPER AT
 WALL SUSPEND FAN WITH 4-10GA. STEEL WIRES.

RADIATION SCHEDULE

TYPE	DESCRIPTION	NOTES
A	1/4" SEAMLESS COPPER PIPE WITH 1/4" x 1/4" ALUMINUM FINS 40 FINS/FT WITH TYPE X PROTECTIVE GRILLE/RAISED 6" x 6" ABOVE FLOOR 1220 BTU/H/FT @ 190 A.M.T.	
B	SAME AS "A" BUT INSTALLED IN TYPE 6" SLOPED TOP WALL FIN ENCLOSURE 18" HIGH 1220 BTU/H/FT @ 190 A.M.T.	
C	SAME AS "A" BUT DOUBLE ROW 2190 BTU/H/FT @ 190 A.M.T.	
D	SAME AS "A" BUT INSTALLED IN TYPE 12" WALL FIN ENCLOSURE 12" HIGH INSTALLED BELOW BENCHES 1440 BTU/H/FT @ 190 A.M.T.	



CONVECTOR TYPE "RCW" 48" x 6" x 26", 4.4 MBH

HEATING & COOLING THERMOSTAT

COMBUSTION AND VENTILATION AIR SUPPLY ASSEMBLY. SEE DETAIL ON DRAWING ME-1

40 H.P. COMPRESSOR SUPPLIED BY THE OWNERS, INSTALLED BY DIV. 15.

COMPRESSOR AIR INTAKE FILTER, GENERAL NOTES # 8347205 SUPPLIED & INSTALLED BY DIVISION 15. LOCATED 48" ABOVE FIN. FLOOR.

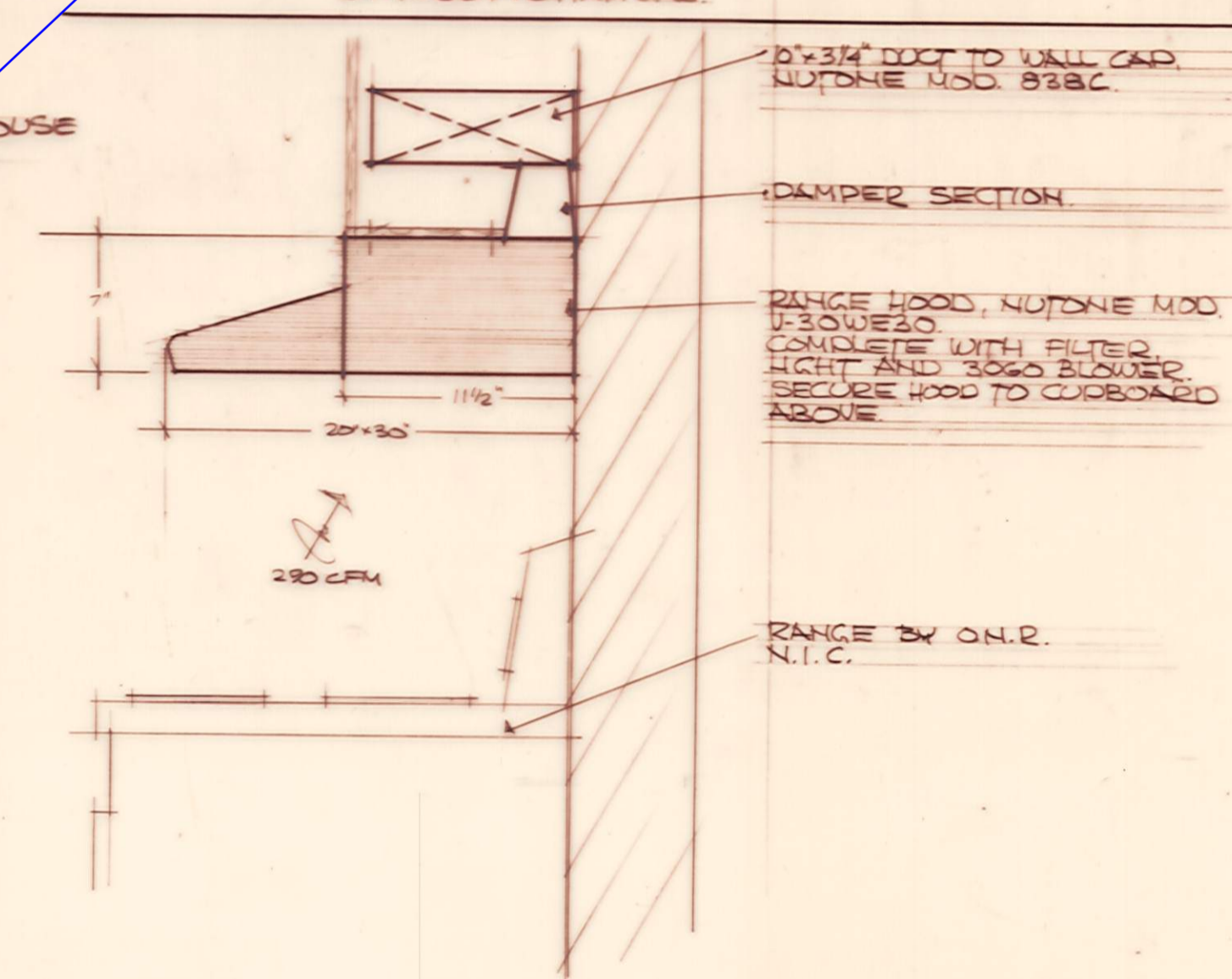
2" IPS. COMPRESSOR DISCHARGE PIPE

3/4" IPS. RETURN PIPE. CONNECT TO COMPRESSOR GOVERNOR & AIR GAUGE

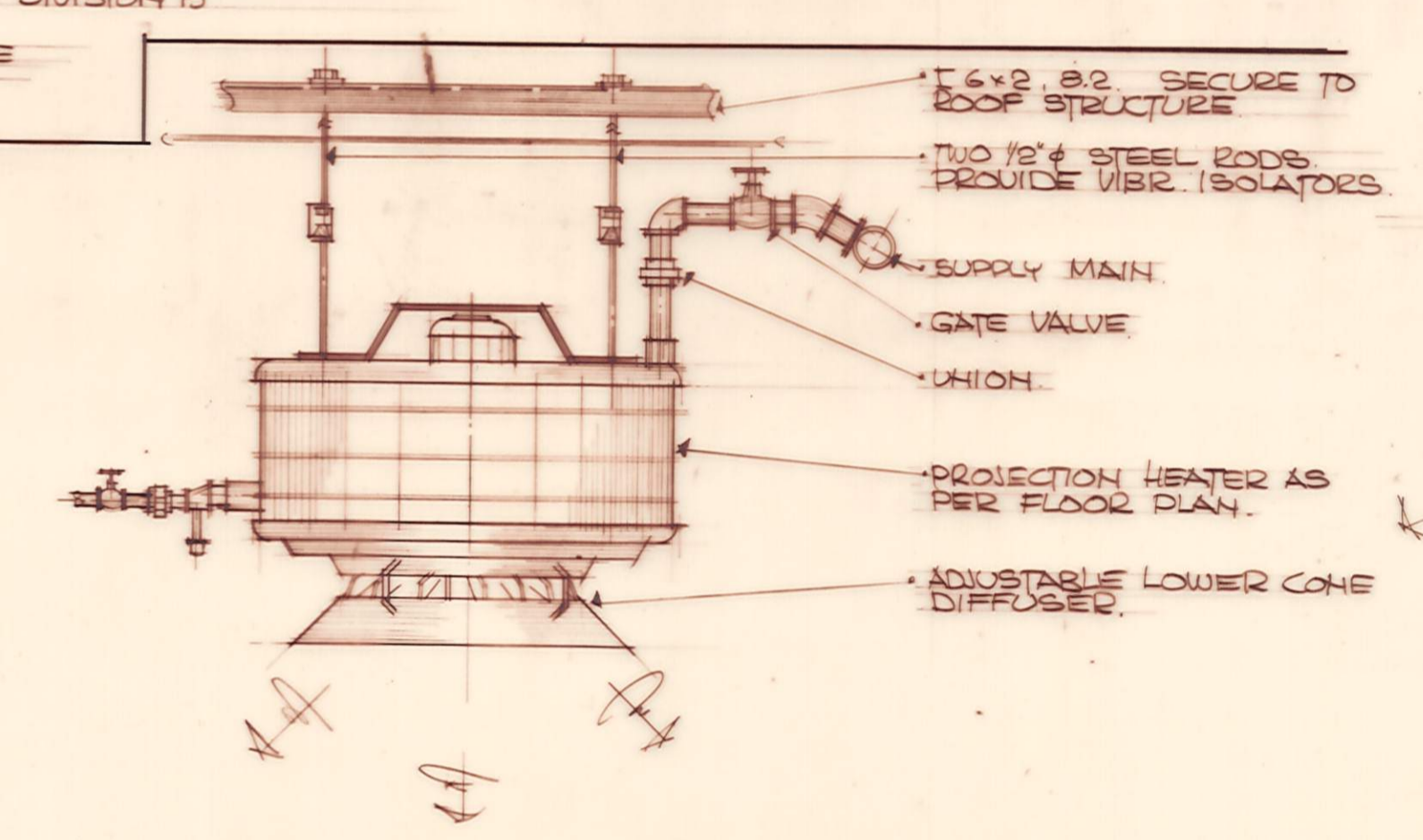
36" x 90" RESERVOIR & COOLER. SUCCEEDS BY THE OWNERS. INSTALLED BY DIV. 15. REINFORCED CONCRETE PAD BY GENERAL CONTRACTOR.

NOTE:
 ALL AIR OUTLETS SHALL BE WESTINGHOUSE STANDARD BALL CUT OUT COCKS.

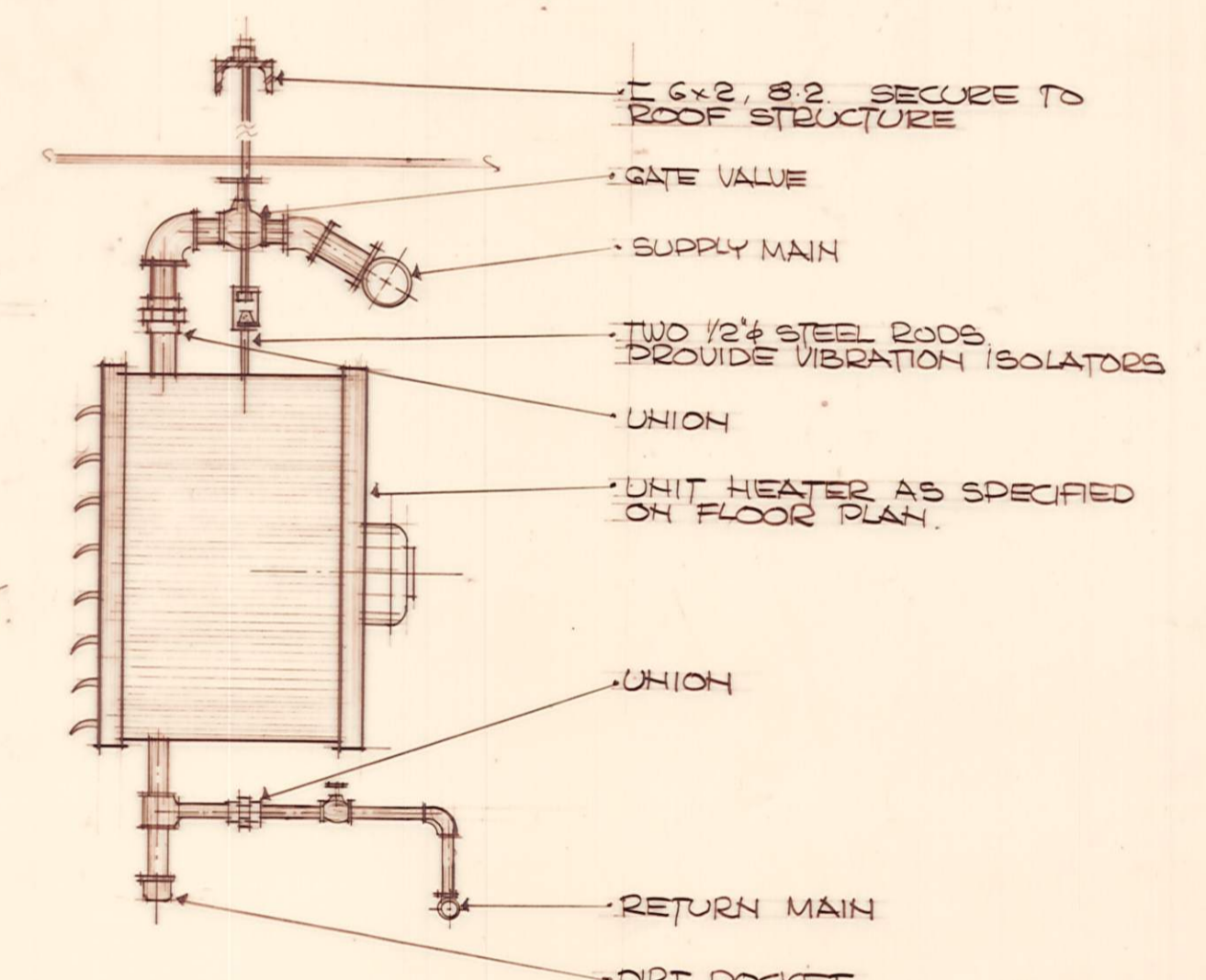
Steam Removed estimate 1932 based on the dates on the HW boilers



RANGE HOOD DETAIL
 1/2" = 1'-0"



PROJECTION HEATER MTG DET.
 N.T.S.



UNIT HEATER MOUNTING DETAIL
 H.T.S.



ONTARIO NORTHLAND RAILWAY
 ENGINEERING DEPT. NORTH BAY ONT.

MECHANICAL BUILDING

ENGLEHART ONTARIO

DRAWN BY CHRD. BY J.S. E.I.P.

APPROVED _____

SCALE AS NOTED DATE AUGUST 1973 DRWG. NO. M-2

D-146-6