



## **ATTACHMENT 50**

### **Waste Transfer Station Construction Summary Report**



# CONSTRUCTION SUMMARY REPORT

CITY OF IQALUIT  
Department of Engineering and Capital Projects



SERVICE CONTRACT INFORMATION			
Project/ Contract Title:	Waste Transfer Station		
Service Contract #:	SC	Consultant:	Dillon Consulting Limited
City Representative:	Kevin Kerr	Consultant PM:	Sarah Devereaux

PROJECT SUMMARY
Engineer on Record (designer) confirms project was constructed in line with design drawings, with construction changes noted on the record drawing. <input type="checkbox"/>

SCHEDULE SUMMARY			
Planned Contract Start Date	Actual Contract Start Date	Planned Contract Completion Date	Actual Contract Completion Date
July 30, 2023	July 18, 2023	November 10, 2024	February 28, 2025

APPENDICES
Appendix A: Waste Transfer Station Record Drawing

SIGN-OFF		
Christopher Shortall		December 19, 2025
Engineer of Record Name	Signature	Date

Iqaluit



# CITY OF IQALUIT WASTE TRANSFER STATION RECORD



KEY PLAN

DILLON PROJECT: 19-9543  
DATE: MARCH 30, 2025



Iqaluit



# CITY OF IQALUIT WASTE TRANSFER STATION

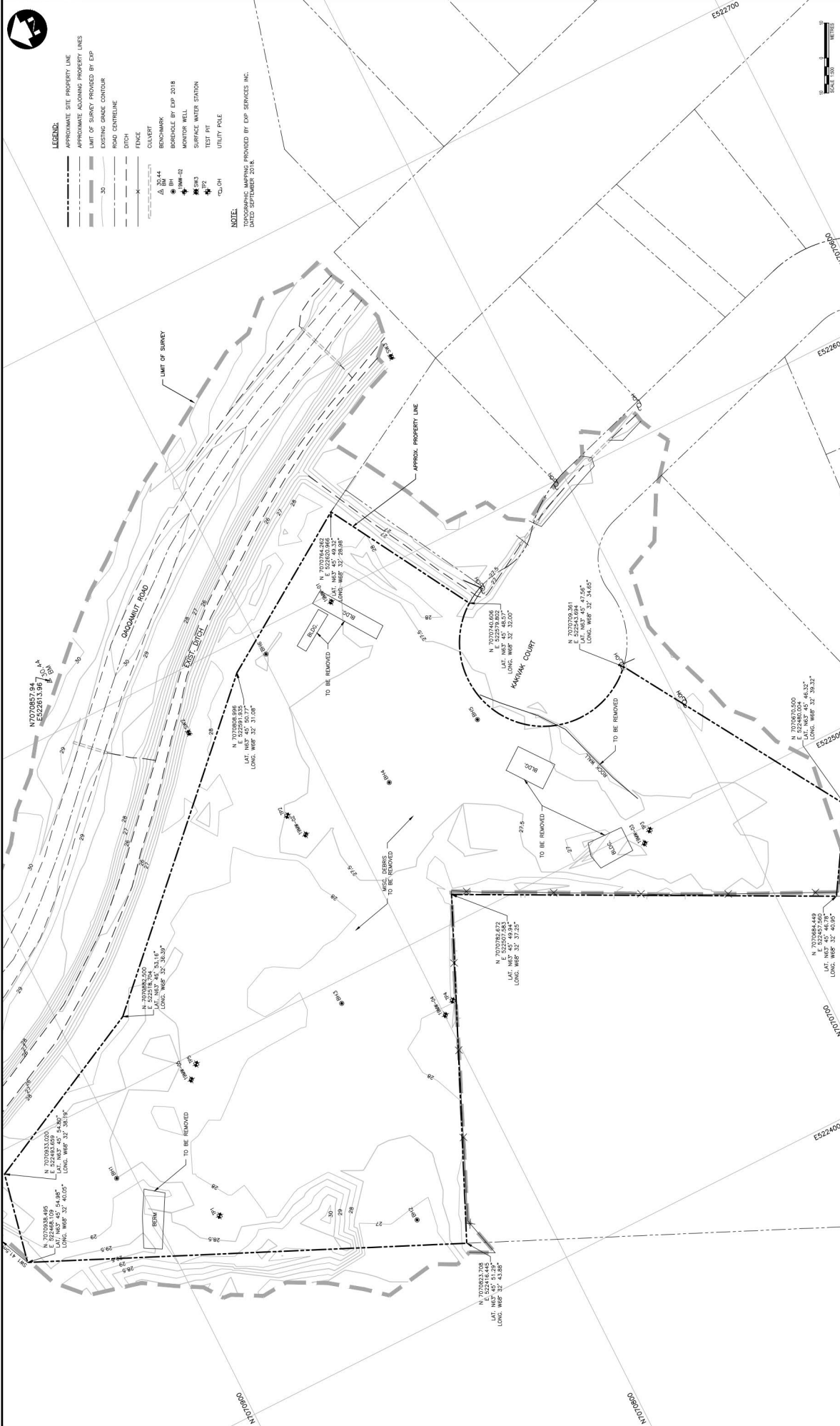
## DRAWING INDEX - WASTE TRANSFER STATION

DWG.	DESCRIPTION
	<b>CIVIL</b>
WTS-C01	EXISTING CONDITIONS SITE PLAN
WTS-C02	PROPOSED SITE PLAN
WTS-C03	EROSION CONTROL PLAN
WTS-C04	SITE GRADING PLAN, PROFILES AND SECTIONS
WTS-C05	MISCELLANEOUS DETAILS
WTS-C06	SITE SIGNAGE DETAILS
	<b>STRUCTURAL</b>
WTS-S01	STRUCTURAL NOTES
WTS-S02	THERMOSYPHON PLAN
WTS-S03	SLAB PLAN
WTS-S04	MEZZANINE PLAN
WTS-S05	SLAB REINFORCING PLAN
WTS-S06	SLAB SECTIONS & DETAILS 1
WTS-S07	SLAB SECTIONS & DETAILS 2
WTS-S08	SLAB SECTIONS & DETAILS 3
WTS-S09	BASE PLATES, SLAB SECTION & TYPICAL DETAILS
WTS-S10	MEZZANINE SECTIONS & DETAILS
	<b>ARCHITECTURAL</b>
WTS-A01	FLOOR PLAN
WTS-A02	ENLARGED FLOOR PLAN, MEZZANINE PLAN, SCHEDULES, DOOR, FRAME ELEVATIONS, ABBREVIATIONS
WTS-A03	PLAN DETAILS
WTS-A04	BUILDING ELEVATIONS
WTS-A05	CROSS SECTIONS SHEET 1
WTS-A06	CROSS SECTIONS SHEET 2 - FIRE RATED ASSEMBLY PLANS
WTS-A07	WALL SECTIONS SHEET 1
WTS-A08	WALL SECTIONS SHEET 2
WTS-A09	SECTION DETAILS
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WTS-A11	PRE-FABRICATED OFFICE FLOOR PLAN
WTS-A12	PRE-FABRICATED SCALE HOUSE FLOOR PLAN
	PRE-FABRICATED ATTENDANT BUILDING FLOOR PLAN
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WTS-M01	MECHANICAL LAYOUT - PLUMBING
WTS-M02	MECHANICAL LAYOUT - HVAC
WTS-M03	LARGE SCALE BOILER ROOM - PLUMBING LAYOUT
WTS-M04	LARGE SCALE BOILER ROOM - HVAC PIPING LAYOUT
WTS-M05	LARGE SCALE BOILER ROOM - HVAC LAYOUT
WTS-M06	MECHANICAL LAYOUT - MEZZANINE
WTS-M07	MECHANICAL SECTION - MEZZANINE
WTS-M08	SITE OFFICE - PLUMBING LAYOUT
WTS-M09	SITE OFFICE AND SCALE HOUSE - HVAC LAYOUT
WTS-M10	HYDRONIC HEATING SYSTEM - FLOW DIAGRAM
WTS-M11	MECHANICAL DETAILS
WTS-M12	MECHANICAL DETAILS
WTS-M13	MECHANICAL DETAILS
WTS-M14	MECHANICAL DETAILS
WTS-M15	MECHANICAL SCHEDULES
	<b>ELECTRICAL</b>
WTS-E00	ELECTRICAL - SITE PLAN
WTS-E01	POWER PLAN MAIN BUILDING AREA
WTS-E02	POWER & SYSTEMS PLAN SERVICE ROOMS, PANEL SCHEDULES
WTS-E03	LIGHTING PLAN MAIN BUILDING
WTS-E04	LIGHTING PLAN SERVICE ROOMS, FIXTURE SCHEDULE
WTS-E05	OVERALL SITE POWER, SINGLE LINE DIAGRAM
WTS-E06	ELECTRICAL PLAN - SITE OFFICE & SCALE HOUSE
WTS-E07	SECURITY CAMERA SYSTEM
	<b>FIRE PROTECTION</b>
WTS-FP01	FIRE PROTECTION FLOOR PLAN
WTS-FP02	FIRE PROTECTION SYSTEM

DILLON PROJECT: 19-9543  
DATE: MARCH 30, 2025





- LEGEND:**
- APPROXIMATE SITE PROPERTY LINE
  - APPROXIMATE ADJOINING PROPERTY LINES
  - LIMIT OF SURVEY PROVIDED BY EDP
  - EXISTING GRADE CONTOUR
  - ROAD CENTRELINE
  - DITCH
  - FENCE
  - CULVERT
  - BENCHMARK
  - MONITOR WELL
  - SURFACE WATER STATION
  - TEST PIT
  - UTILITY POLE
- NOTE:**  
 ALL SURVEY DATA PROVIDED BY EDP SERVICES INC.  
 DATED SEPTEMBER 2018.

PROJECT NO. 19-9543	
SHEET NO. WTS-C01	
CITY OF IQALUIT WASTE TRANSFER STATION	
EXISTING CONDITIONS SITE PLAN	

NO.	DESCRIPTION	DATE	BY	FOR
1	ISSUED FOR PERMIT	NOVEMBER 2022	ED	ED
2	REVISED			
3	REVISED			
4	REVISED			
5	REVISED			
6	REVISED			
7	REVISED			
8	REVISED			
9	REVISED			
10	REVISED			



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THE ASSOCIATE OF  
 ENGINEERS AND ARCHITECTS  
**PERMIT NUMBER**  
 P 010  
 DILLON CONSULTING LIMITED

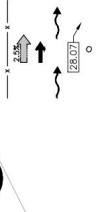
Originally Stamped  
 By  
**C. R. Shortall**

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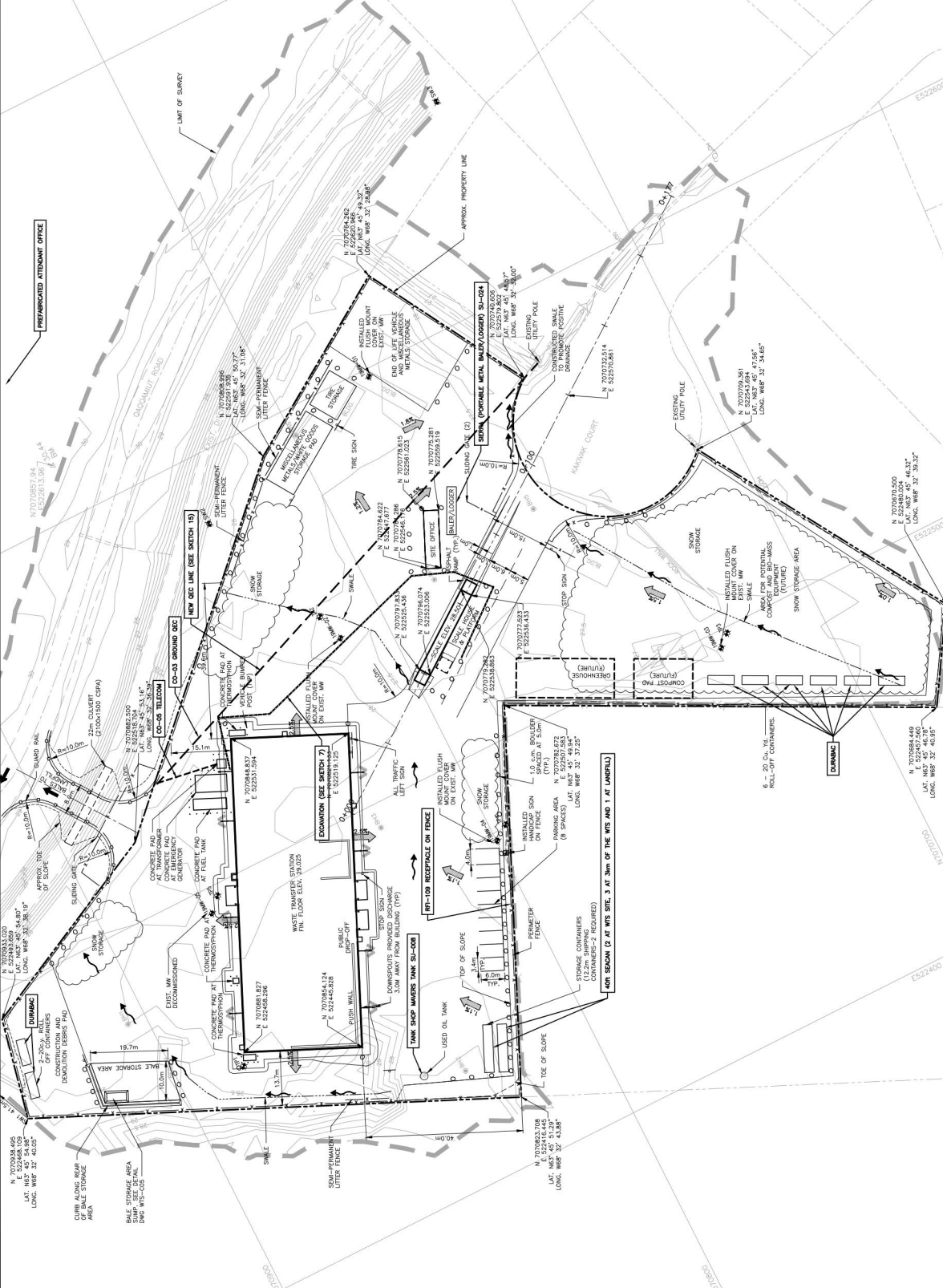
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GROUNDWATER MONITORING STATIONS	
19MW-01	
19MW-02	
19MW-03	
19MW-04	
19MW-05 (TO BE DECOMMISSIONED)	

SURFACE WATER MONITORING STATIONS	
SW1	
SW2	
SW3	



CITY OF IQALUIT WASTE TRANSFER STATION	
PROJECT NO.	19-8543
PROJECT	WTS-C02
DATE	NOVEMBER 2022
SCALE	1:500

NO.	DATE	BY	DESCRIPTION
1	2022/11/04	JL	ISSUED FOR PERMIT
2	2022/11/04	JL	ISSUED FOR PERMIT
3	2022/11/04	JL	ISSUED FOR PERMIT
4	2022/11/04	JL	ISSUED FOR PERMIT
5	2022/11/04	JL	ISSUED FOR PERMIT
6	2022/11/04	JL	ISSUED FOR PERMIT
7	2022/11/04	JL	ISSUED FOR PERMIT
8	2022/11/04	JL	ISSUED FOR PERMIT
9	2022/11/04	JL	ISSUED FOR PERMIT
10	2022/11/04	JL	ISSUED FOR PERMIT

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**PERMIT NUMBER**  
**P 010**  
**ISSUED BY**  
**DILLON CONSULTING**

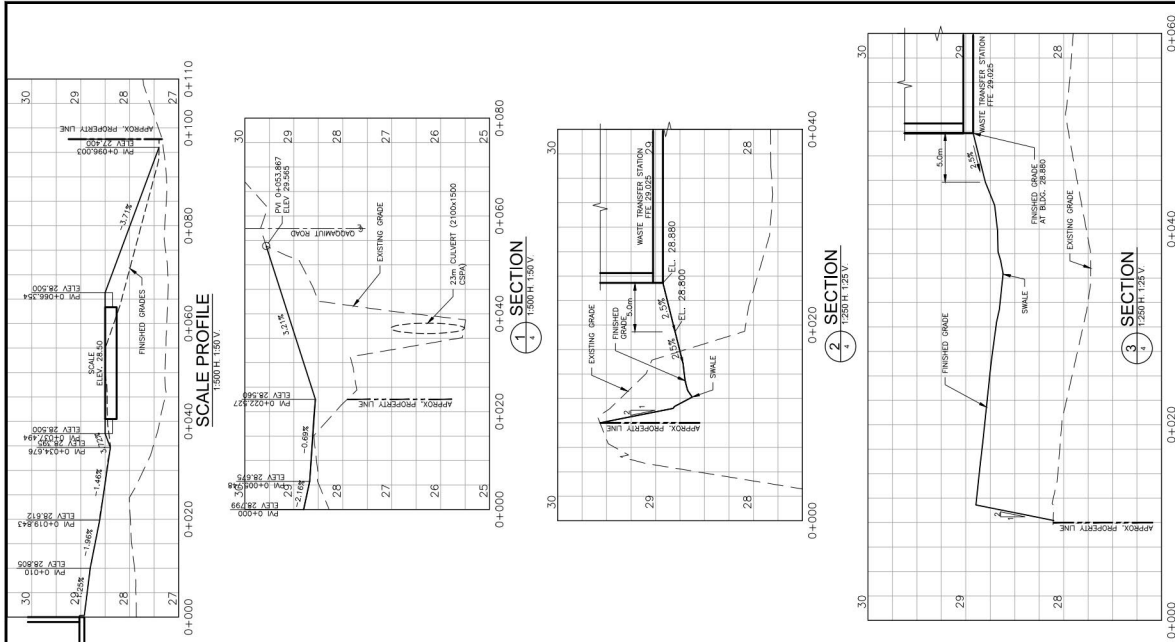
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**Originally Stamped**  
**C. R. Shortall**

**City of Iqaluit**  
**Waste Transfer Station**  
**PROPOSED SITE PLAN**





REVISION		DATE	BY	CHK
1	ISSUED FOR PERMIT	NOVEMBER 2022	WLS	WLS
2	ISSUED FOR PERMIT	NOVEMBER 2022	WLS	WLS
3	ISSUED FOR PERMIT	NOVEMBER 2022	WLS	WLS
4	ISSUED FOR PERMIT	NOVEMBER 2022	WLS	WLS

CITY OF IQUALUIT	
PROJECT NO.	19-8543
PROJECT NAME	WASTE TRANSFER STATION

SITE GRADING PLAN, PROFILES AND SECTIONS	
PROJECT NO.	19-8543
PROJECT NAME	WASTE TRANSFER STATION

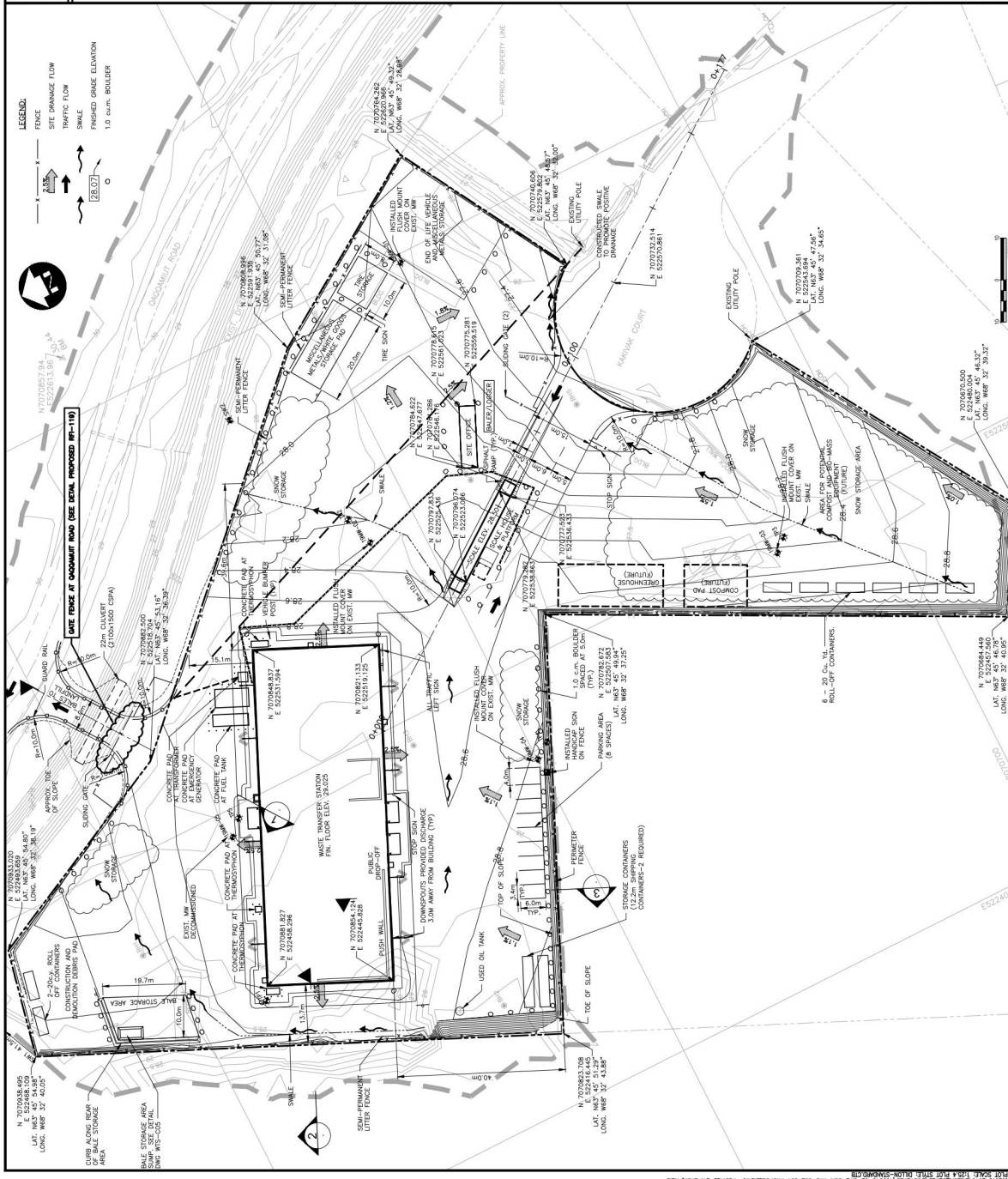
DILLON CONSULTING	
ADDRESS	1000 W. 10th St. Iqaluit, NU A1B 1X6
PHONE	(867) 978-1111
WEBSITE	www.dillonconsulting.com

Iqaluit	
ADDRESS	1000 W. 10th St. Iqaluit, NU A1B 1X6
PHONE	(867) 978-1111
WEBSITE	www.iqaluit.ca

RECORD DRAWING	
PERMIT NUMBER	P 010
DRAWING NUMBER	WTS-C04

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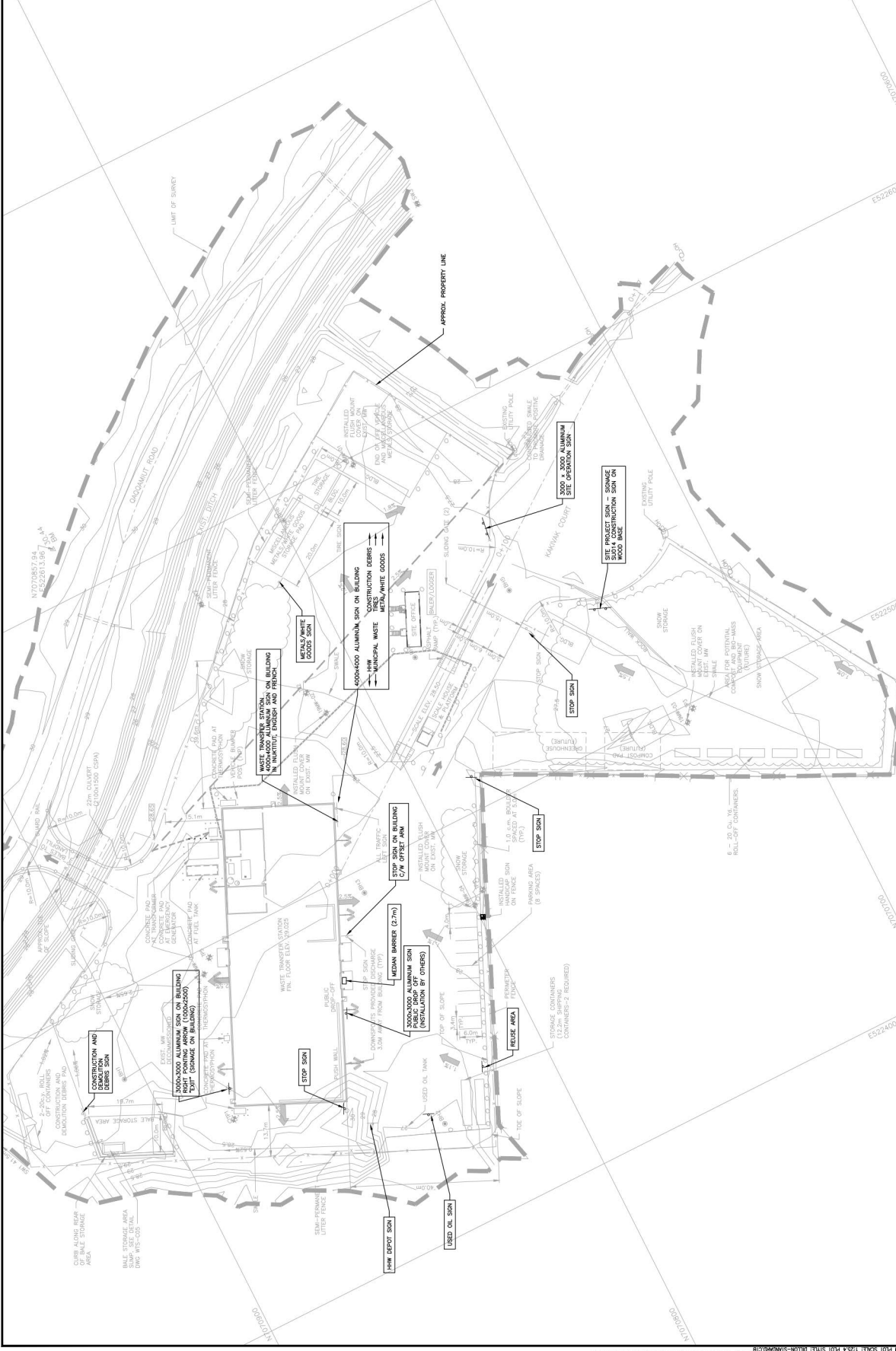
Originally Stamped	
NAME	C. R. Shortall







- NOTES:**
1. ALL SIGNS TO INCLUDE INFORMATION IN INKUPITUT, MINIMUM SIGN DIMENSION 1000 x 1000 UNLESS NOTED.
  2. SHOP DRAWINGS REQUIRED FOR ALL SIGNS.
  3. SITE PROJECT SIGN TO MEET THE REQUIREMENTS OF INKUPITUT, 2012.
  4. SEE REF-C08 FOR SIGNAGE TRANSLATION.
  5. SEE SHEET 2/3



<p><b>Conditions of Use</b></p> <p>This record drawing is prepared for the use of the client only. It is not to be used for any other purpose without the written permission of Dillon Consulting Limited.</p> <p>Do not scale dimensions from drawings.</p> <p>Do not modify drawings, or add, or delete, or otherwise alter them in any way without the written permission of Dillon Consulting Limited.</p>		<p><b>Originally Stamped By</b></p> <p>C. R. Shortall</p>		<p><b>PERMIT NUMBER</b></p> <p>DILLON CONSULTING LIMITED</p>		<p><b>RECORD DRAWING</b></p> <p>This record drawing has been prepared based on information provided to Dillon Consulting Limited. Dillon Consulting Limited does not warrant the accuracy of any information contained in this record drawing and shall not be held responsible for any error or omission that may have occurred. This record drawing is provided as a guide only and should not be used as a basis for any other work.</p>		<p><b>Iqaluit</b></p> <p><b>ATL</b></p>		<p><b>DILLON CONSULTING</b></p>		<p><b>CITY OF IQALUIT</b></p> <p><b>WASTE TRANSFER STATION</b></p> <p><b>SITE SIGNAGE DETAILS</b></p>		<p>PROJECT NO: 19-9543</p> <p>DATE: WTS-C06</p>	
NO.	DATE	BY	DESCRIPTION	REVISION	DATE	BY	DESCRIPTION	REVISION	DATE	BY	DESCRIPTION	REVISION	DATE	BY	DESCRIPTION
1	2022/11/02	C.R.S.	ISSUED FOR PERMIT	1	2022/11/02	C.R.S.	ISSUED FOR PERMIT	1	2022/11/02	C.R.S.	ISSUED FOR PERMIT	1	2022/11/02	C.R.S.	ISSUED FOR PERMIT
2	2022/11/02	C.R.S.	ISSUED FOR PERMIT	2	2022/11/02	C.R.S.	ISSUED FOR PERMIT	2	2022/11/02	C.R.S.	ISSUED FOR PERMIT	2	2022/11/02	C.R.S.	ISSUED FOR PERMIT
3	2022/11/02	C.R.S.	ISSUED FOR PERMIT	3	2022/11/02	C.R.S.	ISSUED FOR PERMIT	3	2022/11/02	C.R.S.	ISSUED FOR PERMIT	3	2022/11/02	C.R.S.	ISSUED FOR PERMIT
4	2022/11/02	C.R.S.	ISSUED FOR PERMIT	4	2022/11/02	C.R.S.	ISSUED FOR PERMIT	4	2022/11/02	C.R.S.	ISSUED FOR PERMIT	4	2022/11/02	C.R.S.	ISSUED FOR PERMIT
5	2022/11/02	C.R.S.	ISSUED FOR PERMIT	5	2022/11/02	C.R.S.	ISSUED FOR PERMIT	5	2022/11/02	C.R.S.	ISSUED FOR PERMIT	5	2022/11/02	C.R.S.	ISSUED FOR PERMIT
6	2022/11/02	C.R.S.	ISSUED FOR PERMIT	6	2022/11/02	C.R.S.	ISSUED FOR PERMIT	6	2022/11/02	C.R.S.	ISSUED FOR PERMIT	6	2022/11/02	C.R.S.	ISSUED FOR PERMIT
7	2022/11/02	C.R.S.	ISSUED FOR PERMIT	7	2022/11/02	C.R.S.	ISSUED FOR PERMIT	7	2022/11/02	C.R.S.	ISSUED FOR PERMIT	7	2022/11/02	C.R.S.	ISSUED FOR PERMIT
8	2022/11/02	C.R.S.	ISSUED FOR PERMIT	8	2022/11/02	C.R.S.	ISSUED FOR PERMIT	8	2022/11/02	C.R.S.	ISSUED FOR PERMIT	8	2022/11/02	C.R.S.	ISSUED FOR PERMIT
9	2022/11/02	C.R.S.	ISSUED FOR PERMIT	9	2022/11/02	C.R.S.	ISSUED FOR PERMIT	9	2022/11/02	C.R.S.	ISSUED FOR PERMIT	9	2022/11/02	C.R.S.	ISSUED FOR PERMIT
10	2022/11/02	C.R.S.	ISSUED FOR PERMIT	10	2022/11/02	C.R.S.	ISSUED FOR PERMIT	10	2022/11/02	C.R.S.	ISSUED FOR PERMIT	10	2022/11/02	C.R.S.	ISSUED FOR PERMIT
11	2022/11/02	C.R.S.	ISSUED FOR PERMIT	11	2022/11/02	C.R.S.	ISSUED FOR PERMIT	11	2022/11/02	C.R.S.	ISSUED FOR PERMIT	11	2022/11/02	C.R.S.	ISSUED FOR PERMIT
12	2022/11/02	C.R.S.	ISSUED FOR PERMIT	12	2022/11/02	C.R.S.	ISSUED FOR PERMIT	12	2022/11/02	C.R.S.	ISSUED FOR PERMIT	12	2022/11/02	C.R.S.	ISSUED FOR PERMIT

**GENERAL NOTES:**

- CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS ON SITE PRIOR TO COMMENCING WITH CONSTRUCTION WORKS.
- DO NOT SCALE FROM THE DRAWINGS.
- THESE DRAWINGS TO BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATIONS, CIVIL DRAWINGS, ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.
- ALL WORK SHALL CONFORM TO THE LATEST NATIONAL BUILDING CODE 2015 (BEST PRACTICES) AND REFERENCES TO CODES, STANDARDS, SPECIFICATIONS, GUIDELINES, ETC. SHALL WANT THE LATEST ADOPTED EDITION APPLICABLE.
- DO NOT PROCEED FROM THE DRAWINGS UNLESS MARKED RESULT FOR CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE PREPARATION AS PER DRAWINGS.
- TEMPORARY SUPPORT AND BRACING FOR CONSTRUCTION LOADING AND CONDITIONS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING AND SECURING ALL NECESSARY PERMITS.
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCING WITH CONSTRUCTION WORK. ALTERATIONS OR REVISIONS MUST BE REPORTED AND APPROVED BY THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

**DESIGN LOADS:**

CUMULIC DATA:	CITY OF IQALUIT
IMPERANCE FACTOR:	NORMAL
WIND LOAD	
REFERENCE HOURLY WIND PRESSURE (1/10)	0.43 kPa
REFERENCE HOURLY WIND PRESSURE (1/20)	0.58 kPa
SNOW LOAD (1/50)	2.9 kPa
S <sub>g</sub>	0.2 kPa
SEISMIC DATA	
S <sub>0</sub> (0.2)	0.087
S <sub>0</sub> (0.5)	0.065
S <sub>0</sub> (1.0)	0.043
S <sub>0</sub> (2.0)	0.023
S <sub>0</sub> (5.0)	0.0058
S <sub>0</sub> (10.0)	0.0025
P <sub>ca</sub>	0.051
POV	0.052
SITE CLASSIFICATION:	C
SLAB ON GRADE LOADS	
LIVE LOADING	12 kPa
• POINT LOADS AS INDICATED ON DRAWINGS FOR HOUSEKEEPING PADS	
DEAD LOAD	3 kPa
MEZZANINE LOADS	4.8 kPa
PUSH WALL	
9.30M WASTE HANDLER 5 cu m	
COMPACTED WASTE STORAGE TO TOP OF CONCRETE PUSH WALL	
ENGINEERED BUILDING LOADS	
AND FLOOR SLAB HAVE BEEN PROVIDED IN AN APPENDIX TO THE SPECIFICATIONS FOR REFERENCE. SHOULD THESE REACTIONS INCREASE RE-ANALYSIS MAY BE REQUIRED	

**SCOTECHEMICAL NOTES:**

- GEOCHEMICAL ANALYSIS AND GEOCHEMICAL RECOMMENDATIONS WERE COMPLETED BY WOOD CONSULTANTS LTD. ON MAY 14, 2019, ENTITLED "GEOCHEMICAL MODELING AND GEOCHEMICAL RECOMMENDATIONS TRANSFER STATION AND LANDFILL IN IQALUIT, NUUNAVUT" PROJECT # CCI4359.
- SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DESIGNED AND STAMPED BY AN ENGINEER LICENSED TO PRACTICE IN NUUNAVUT.

**EXCAVATION BACKFILL AND COMPACTATION:**

- REFER TO WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS' GEOTECHNICAL REPORT FOR RECOMMENDATIONS OF EXCAVATION, PROOF ROLLING AND BACKFILL MATERIALS AND MINIMUM SPECIFICATIONS.
- A GEOTECHNICAL ENGINEER OR QUALIFIED PERSONNEL SHALL BE OBTAINED BY AND PAID FOR BY THE GENERAL CONTRACTOR TO INSPECT AND CONFIRM COMPACTATION AND MATERIALS PROPERTIES REQUIREMENTS HAVE BEEN MET.
- ALL BACKFILL MATERIALS AND BACKFILL PLACEMENT SHALL BE REVIEWED BY QUALIFIED GEOTECHNICAL PERSONNEL.

**SITE REVIEW AND SHOP DRAWING REVIEW:**

- NOTIFY THE ENGINEER 24 HOURS PRIOR TO PLACING CONCRETE FOR SITE REVIEW.
- PREPARE AND SUBMIT ALL REQUIRED SHOP DRAWINGS FOR REVIEW A MINIMUM OF 7 DAYS PRIOR TO FABRICATION.
- THE REVIEW IS ONLY FOR THE WORK SHOWN ON THE STRUCTURAL DRAWINGS AND IS TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE DRAWINGS.
- THE REVIEW DOES NOT RELIEVE THE CONTRACTOR RESPONSIBILITY TO PERFORM THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.

**REINFORCING STEEL:**

- ALL REINFORCING SHALL BE BLACK STEEL CONFORMING TO CSA G30.18, GRADE 400W.
- ALL REBAR SHALL BE STORED ON WOOD BLOCKING AT THE SITE.
- REINFORCEMENT SHALL BE FREE OF CLAY, DIRT AND FORM OIL OR OTHER DELETERIOUS MATERIAL WHICH WOULD REDUCE THE BOND TO CONCRETE.
- CONCRETE COVER SHALL CONFORM TO THE FOLLOWING LIST:

EAST AGAINST AND PERMANENTLY EXPOSED TO DARTH	75 mm
MEZZANINE DECK TOPPING, HOUSEKEEPING PADS, EXTERIOR PADS (U.N.O.) AND APRONS	50 mm
CONCRETE WALLS, PIERS, SLAB WITH TOPPING	60 mm
SLAB WITHOUT TOPPING	85 mm

**BAR LAP SHALL BE AS FOLLOWS:**

BAR SIZE	30MPa CONC.	35MPa CONC.
10M	550mm	500mm
13M	750mm	700mm
16M	950mm	900mm
20M	1150mm	1100mm
30M	1700mm	1550mm
35M	2000mm	1850mm

UNLESS NOTED OTHERWISE ON DRAWINGS

**CONCRETE FORMWORK:**

- FORM WORK TO CONFORM TO CSA A23.1/A23.2.
  - FORM STRIPPING AGENT – COLORLESS MINERAL OIL, NON-TOXIC, BIODEGRADABLE, FREE OF KEROSENE.
  - PROVIDE BRACING TO ENSURE STABILITY OF FORMWORK.
  - DO NOT PLACE SHORES AND MAD SILLS ON FROZEN CONCRETE.
  - FORM WORK SHALL BE CLEANED OF DEBRIS BEFORE PLACING CONCRETE.
  - FORMWORK TO FOLLOW THE MAXIMUM TOLERANCES:
- |                               |               |
|-------------------------------|---------------|
| HORIZONTAL AND VERTICAL LINES | 10 mm in 20 m |
|-------------------------------|---------------|
- LEAVE FORM WORK IN PLACE FOR THE FOLLOWING MINIMUM OF 7 DAYS FOR CONCRETE TO GAIN 70% OF ITS DESIGN STRENGTH OR UNTIL THE CONCRETE HAS REACHED 70% OF ITS DESIGN STRENGTH.
  - DO NOT WEDGE PRY BARS OR HAMMERS AGAINST CONCRETE SURFACES.

**MASONRY:**

- ALL MASONRY WORK SHALL BE PERFORMED IN ACCORDANCE WITH CSA A371, H/15/A/A.
- CONCRETE BLOCK SHALL CONFORM TO CAN3-A165, STANDARD HOLLOW MASONRY UNIT
- MORTAR AND GROUT: TYPE S 20 MPa TO CSA A179.
- MASONRY CONNECTORS TO CSA A370 AND CSA A304.
- BAR REINFORCEMENT TO CSA C30.18 GRADE 400.
- MINIMUM HORIZONTAL JOINT REINFORCEMENT: 3.8 mm TRUSS TYPE WIRE REINFORCEMENT
- ALL MASONRY WALLS TO BE SECURELY BRACED UNTIL STRUCTURE IS CLOSED IN.
- PROVIDE 15M VERTICAL REINFORCEMENT FULL HEIGHT WITH MATCHING DOWELS AND CORRELL AT EACH WALL CORNER AND ON EACH SIDE OF DOOR OPENINGS.

**EXTERIOR EQUIPMENT PADS:**

- PADS DESIGNED FOR EQUIPMENT LOADS SPECIFIED ON DRAWINGS, WHERE NOTED, NOTIFY ENGINEER IMMEDIATELY OF ANY CHANGES TO EQUIPMENT DIMENSIONS OR WEIGHT.
- CONTRACTOR TO PROVIDE ANCHOR BOLTS/CONNECTORS TO CONSTRUCTION TO VERIFY PAD DIMENSIONS AND REINFORCEMENT.
- CONTRACTOR TO PROVIDE ANCHOR BOLTS/CONNECTORS TO CONCRETE SUBS AS REQUIRED BY THE EQUIPMENT MANUFACTURER.

**CAST-IN-PLACE CONCRETE:**

- CONCRETE MATERIAL QUALITY, MIXING, PLACING, FORMWORK AND OTHER CONSTRUCTION PRACTICES TO CONFORM TO CSA A23.1/A23.2, LATEST ADOPTED EDITION.
- CONCRETE FRESH WORK/FORMWORKS SHALL CONFORM TO CSA S293.1, LATEST EDITION.
- ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE.
- ADMixTURES CONTAINING CALCIUM CHLORIDE ARE NOT ALLOWED.
- CONCRETE STRENGTH AND MIX SPECIFICATIONS ARE AS FOLLOVED, UNLESS NOTED OTHERWISE:

EXP. CLASS.	SUPPLY AND USE	MAX. W/C	STRENGTH (MPa)	FORMWORK (CMH)	MAX. AGG. SIZE	AIR ENTRAINMENT (%)	MAX. COMPACT
F-1	APPROX./PADS	0.40	35 MPa @ 28 DAYS	0.1	20mm	5% - 8%	25%
A-3	PUSH WALLS/PIERS	0.40	35 MPa @ 28 DAYS	0.1	20mm	4% - 7%	25%
N	HOUSEKEEPING PADS	0.40	30 MPa @ 28 DAYS	0.1	20mm	N/A	25%

**FINISH CONCRETE IN ACCORDANCE WITH CSA A23.1/A23.2.**

- RECTIFY ALL CONCRETE IF BATCHING TIME AND PLACING TIME EXCEEDS TWO HOURS.
- CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE MIX DESIGN SHOP DRAWINGS ALONG WITH CYLINDER TEST RESULTS FOR EACH CLASS OF CONCRETE, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN NUUNAVUT FOR REVIEW 7 DAYS PRIOR TO COMMENCING RELATED WORK.
- PROVIDE CERTIFICATION DEMONSTRATING PLANT, EQUIPMENT, AND MATERIAL TO BE USED IN CONCRETE COMPLY WITH REQUIREMENTS OF CSA A23.1/A23.2.
- WEDDING REQUIREMENTS:
- WHEN THE AMBIENT TEMPERATURE IS AT OR BELOW 5°C OR WHEN THERE IS A RISK OF FREEZING, THE TEMPERATURE OF CONCRETE DURING PLACING SHALL BE BETWEEN 5°C AND 25°C.
- PLACED CONCRETE SHALL BE PROTECTED AND MAINTAINED AT A TEMPERATURE OF AT LEAST 10°C FOR NOT LESS THAN 3 DAYS OR NOT LESS THAN 20°C FOR 2 DAYS AND ALL CONCRETE TO BE MAINTAINED ABOVE FREEZING FOR A MINIMUM OF 7 DAYS.
- CONCRETE SHALL BE PROTECTED FROM ALTERNATE FREEZING AND THAWING FOR A MINIMUM OF 14 DAYS.
- PLACED CONCRETE TO BE PROTECT PROBABLY TO AMBIENT AIR TEMPERATURE AT "DROP" NOT MORE THAN 15°C PER 24 HOUR PERIOD.
- HEATING ENCLOSURE SHALL BE CLEAR OF CONCRETE AND FORMING SURFACES FOR AIR CIRCULATION.
- FROZEN CONCRETE WILL BE REJECTED.

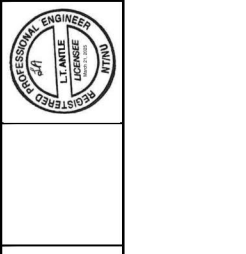
**STRUCTURAL STEEL:**

- STRUCTURAL STEEL TO CONFORM TO CSA G40.20/G40.21 GRADE 350W FOR ROLLED STEEL AND CSA G40.21 GRADE 350W FOR WELDED AND HOLLOW STRUCTURAL SECTIONS TO CAN/CSA G40.21, GRADE 350W, CLASS C.
- ALL STRUCTURAL STEEL TO BE GALVANIZED IN ACCORDANCE WITH CAN/CSA G164 TO NET RETENTION OF 610 g/m<sup>2</sup>, WHERE NOTED.
- ALL BEAM TO COLUMN CONNECTIONS SHALL BE FOR FULL SHEAR RESISTANCE V<sub>r</sub> OF THE MEMBER AS PER CSC HANDBOOK BEAM LOAD TABLES, LATEST EDITION, WHICH EVER IS MAXIMUM OF THE TWO. ALL CONNECTIONS SHALL BE DESIGNED TO RESIST FULL SHEAR RESISTANCE V<sub>r</sub> OF THE MEMBER. SINGLE MEMBER CONNECTIONS ARE NOT PERMITTED.
- WELDING TO CONFORM TO CSA W59.
- MINIMUM WELD THICKNESS OF 6 mm.
- GROUT UNDER COLUMNS SHALL BE NON-SHRINK AND NON-STAIN WITH A MINIMUM COMPRESSIVE STRENGTH OF 50 MPa AT 28 DAYS.
- SUBMIT SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN NUUNAVUT, 15 DAYS PRIOR TO FABRICATION.
- NO HOLES TO BE CUT IN STRUCTURAL STEEL EXCEPT IN LOCATIONS SHOWN ON SHOP DRAWINGS, WITHOUT PRIOR APPROVAL OF ENGINEER.
- ALL ANCHOR BOLTS, NUTS AND WASHERS TO CONFORM TO CAN/CSA G40.21, GRADE 300W, AND SHALL BE HOT DIPPED GALVANIZED.

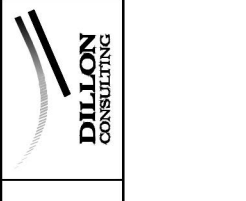
**STRUCTURAL STEEL DECK:**

- FLOOR DECK SHALL BE FX302.20ga COMPOSITE DECK, 100mm THICK CONCRETE ON DECK AROUND ALL OPENINGS.
- PROVIDE US616x66 AROUND COLUMNS FOR DECK SUPPORT IF REQUIRED.
- DEFLECTION DUE TO LIVE LOADS OF FLOOR DECK SHALL NOT EXCEED L/360.
- EXCEPT WHERE RESTRICTED BY FRAMING OR AS NOTED, DECK IS TO BE CONTINUOUS OVER AT LEAST 3 SPANS.
- EJECTION COMPANIES SHALL BE CERTIFIED BY CANADIAN WELDING BUREAU (CWB) STRUCTURES LATEST EDITION AND WELDING OPERATORS SHALL BE QUALIFIED BY CWB FOR DECK WELDERS.
- NON-SPANNING EDGES OF DECK SUPPORTED BY CONTINUOUS CLOSURES OF SAME THICKNESS AS DECK.
- STEEL DECK SHALL BE DESIGNED & INSTALLED BY DECK SUPPLIER IN ACCORDANCE WITH THE LATEST CODES AND STANDARDS FOR THE LOADS SPECIFIED UNDER "DESIGN LOADS".
- DECK COATING AS PER SPECIFICATIONS.
- WELD DECK TO SUPPORTING STEEL WITH 19 mm DIA. FUSION WELDS. FASTENERS SIZE LAPS US63 BUTT JOINTS AT 600 mm O/C MAX. SPACING. WELD EACH SIDE OF LAP AT SUPPORTS, MAX. SPACING 150 mm O/C AROUND PERIMETER AND 300 mm O/C AT INTERIOR SUPPORTS.
- CLEAN AND PAINT WELDS WITH A ONE COMPONENT ZINC RICH PAINT SUCH AS ZINCA.
- BLIGHT SHOP DRAWINGS, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN NUUNAVUT, FOR REVIEW PRIOR TO FABRICATION.

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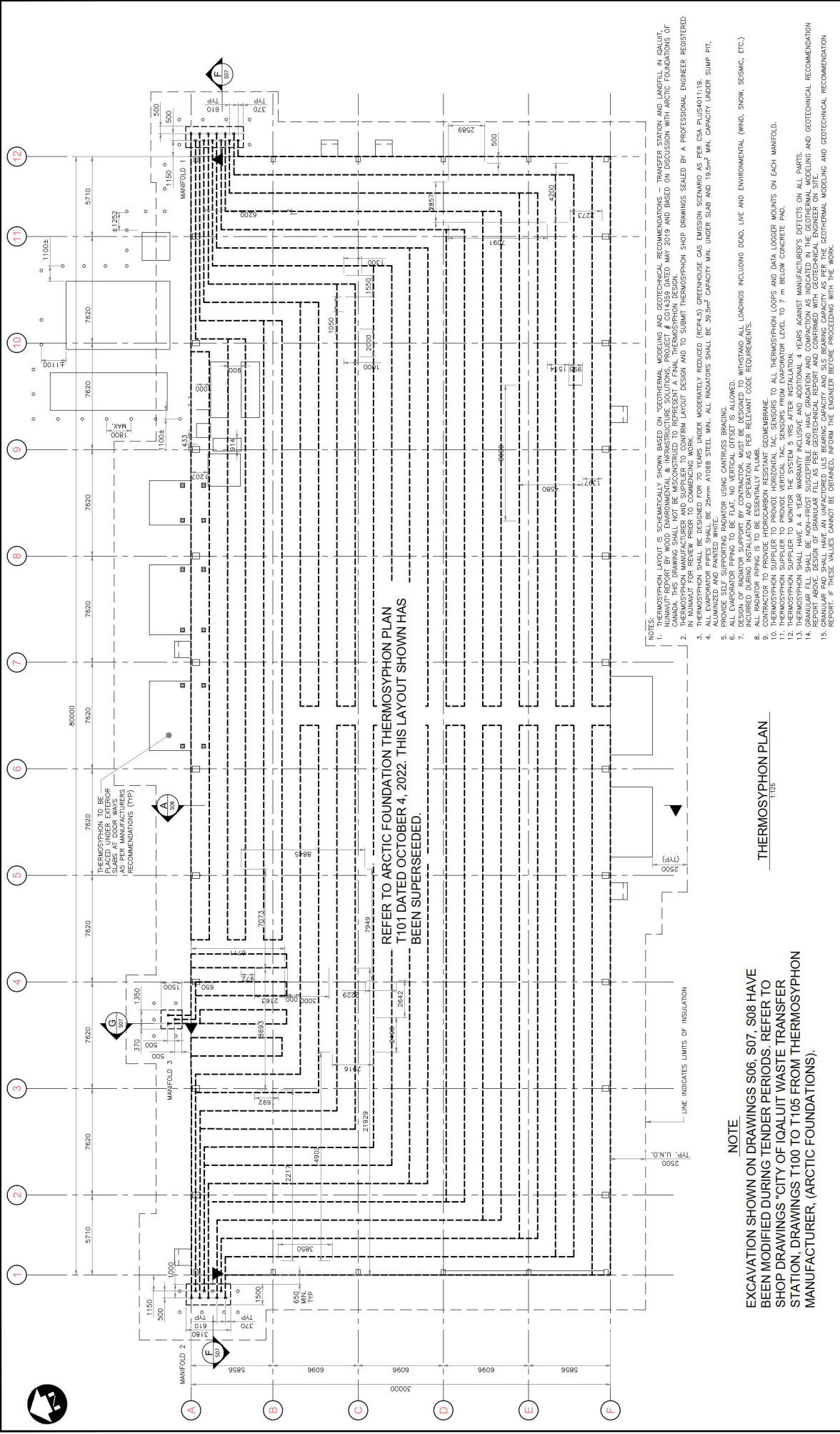


11. UNLICENSED/UNREGISTERED/UNQUALIFIED PERSONNEL	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5
12. UNLICENSED/UNREGISTERED/UNQUALIFIED PERSONNEL	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5
13. UNLICENSED/UNREGISTERED/UNQUALIFIED PERSONNEL	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5
14. UNLICENSED/UNREGISTERED/UNQUALIFIED PERSONNEL	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5
15. UNLICENSED/UNREGISTERED/UNQUALIFIED PERSONNEL	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5	2020/05/19	18.5

**CITY OF IQALUIT**  
**WASTE TRANSFER STATION**

**STRUCTURAL NOTES**

PROJECT NO: 19-9543  
DATE: WTS-S01



**NOTE**

EXCAVATION SHOWN ON DRAWINGS S06, S07, S08 HAVE BEEN MODIFIED DURING TENDER PERIODS. REFER TO SHOP DRAWINGS "CITY OF IQUALUIT WASTE TRANSFER STATION, DRAWINGS T100 TO T105 FROM THERMOSYPHON MANUFACTURER, (ARCTIC FOUNDATIONS).

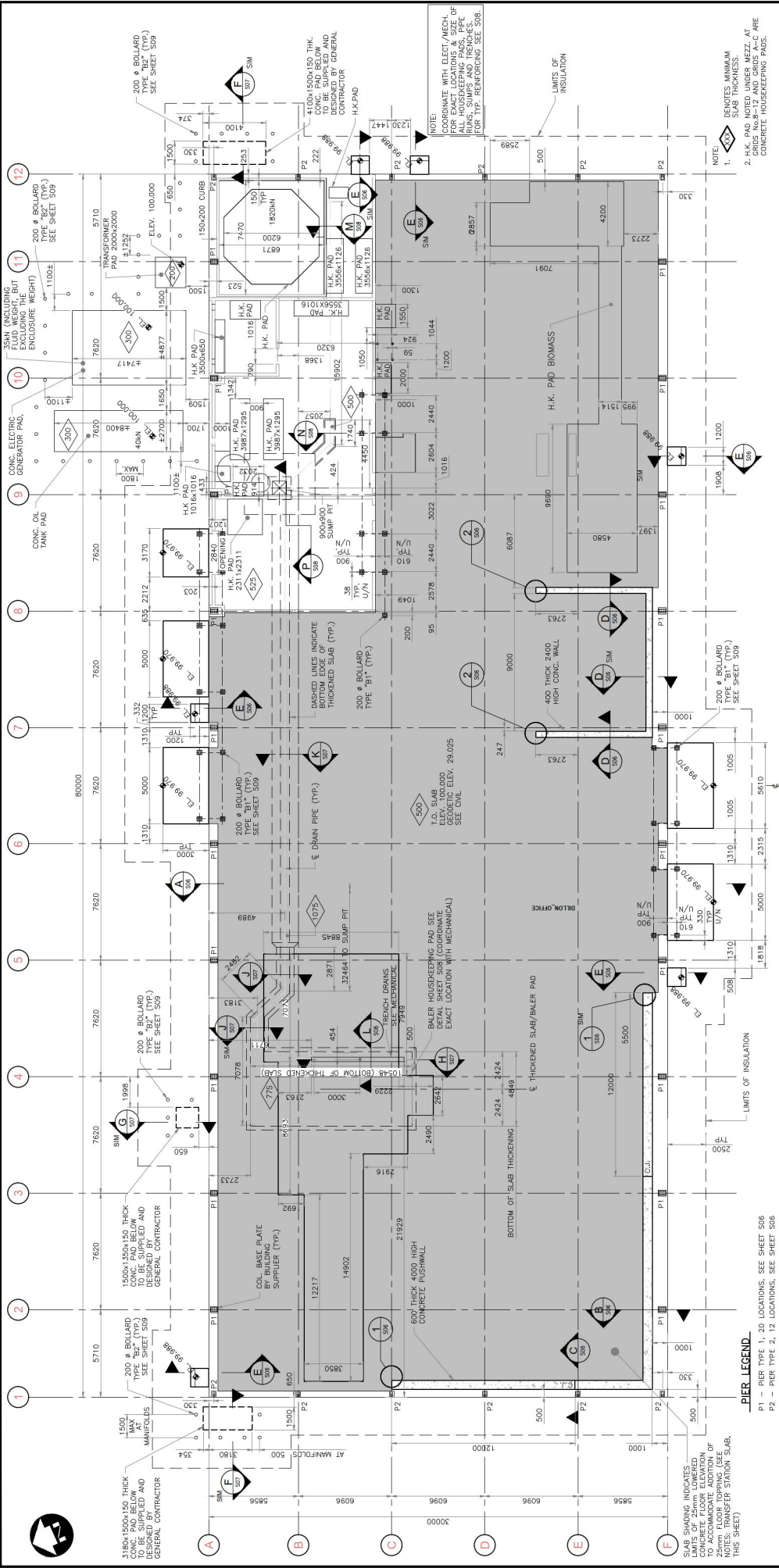
**NOTES**

1. THERMOSYPHON LAYOUT IS SCHEMATICALLY SHOWN BASED ON "GEOTHERMAL MODELING AND GEOTECHNICAL RECOMMENDATIONS - TRANSFER STATION AND LANDFILL IN IQUALUIT, NUUNAVUT REPORT BY WOOD ENVIRONMENTAL & INFRASTRUCTURE SOLUTIONS, PROJECT # CG-1459 DATED MAY 2019 AND BASED ON DISCUSSION WITH ARCTIC FOUNDATIONS OF ARCTIC FOUNDATIONS. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION. THIS DRAWING IS TO REPRESENT A FINAL DESIGN. THE THERMOSYPHON MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE THERMOSYPHON MANUFACTURER AND SUPPLIER. THE THERMOSYPHON LAYOUT DESIGN AND TO SUBMIT THERMOSYPHON SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN NUUNAVUT FOR REVIEW PRIOR TO COMMENCING WORK.
2. THERMOSYPHON SHALL BE DESIGNED FOR 70 YEARS UNDER MODERATELY REDUCED (RCP4.5) GREENHOUSE GAS EMISSION SCENARIO AS PER CSA PLUS4011:19.
3. THERMOSYPHON SHALL BE DESIGNED FOR 29mm A1008 STEEL MIN. ALL RADATORS SHALL BE 39.5MP CAPACITY MIN. UNDER SLAB AND 19.5MP MIN. CAPACITY UNDER SUMP PIT, ALUMINIZED AND PAINTED WHITE.
4. PROVIDE SELF SUPPORTING RADATOR USING CANTILEVER BRACING.
5. ALL EVAPORATOR PIPING TO BE FLAT. NO VERTICAL OFFSET IS ALLOWED.
6. PROVIDE 25mm MIN. INSULATION UNDER RADATORS INCLUDING DEAD, LIVE AND ENVIRONMENTAL (WIND, SNOW, SEISMIC, ETC.) INCURRED DURING INSTALLATION AND OPERATION AS PER RELEVANT CODE REQUIREMENTS.
7. PROVIDE 25mm MIN. INSULATION UNDER RADATORS INCLUDING DEAD, LIVE AND ENVIRONMENTAL (WIND, SNOW, SEISMIC, ETC.) INCURRED DURING INSTALLATION AND OPERATION AS PER RELEVANT CODE REQUIREMENTS.
8. ALL RADATOR PIPING IS TO BE ESSENTIALLY PLUMB.
9. THERMOSYPHON SUPPLIER TO PROVIDE HORIZONTAL TAC SENSORS TO ALL THERMOSYPHON LOOPS AND DATA LOGGER MOUNTS ON EACH MANIFOLD.
10. THERMOSYPHON SUPPLIER TO PROVIDE VERTICAL TAC SENSORS FROM EVAPORATOR LEVEL TO 7 m BELOW CONCRETE PAD.
11. THERMOSYPHON SUPPLIER TO MONITOR THE SYSTEM 5 YRS AFTER INSTALLATION. YEARS AGAINST MANUFACTURERS' DEFECTS ON ALL PARTS.
12. GRANULAR FILL SHALL BE NON-FROST SUSCEPTIBLE AND HAVE GRADATION AND COMPACTION AS INDICATED IN THE GEOTECHNICAL MODELING AND GEOTECHNICAL RECOMMENDATION REPORT ABOVE.
13. REPORT OF THESE VALUES CANNOT BE OBTAINED, INFORM THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

**THERMOSYPHON PLAN**

11.03

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					<p><b>THERMOSYPHON PLAN</b></p>	<p>WTS-S02</p>



**NOTES:**

- CONCRETE SLAB THICKNESS SHOWN ON DRAWING INCLUDES 25 mm THICK OF SIKAFLEX EMERTOP OR LW EMERTOP 400<sup>TM</sup> TOPPING.
- TOPPING TO BE PLACED AS A SEPARATE PLACEMENT.
- CONCRETE SURFACE RECEIVING TOPPING MUST BE MECHANICALLY ROUGHENED TO A PROFILE OF 10mm TO 15mm PER 100mm HORIZONTAL AND 6 mm PROFILE (CR-100) FOR LW EMERTOP 400<sup>TM</sup> AND SIKAFLEX EMERTOP 400<sup>TM</sup>.
- SURFACE MUST BE CLEAN, SOUND AND FREE OF ALL CONTAMINANTS.
- LOCALLY DISH FLOOR TOPPING -25mm TOWARDS DRAINS.

**TRANSVERSE SECTION SLAB**

- CONCRETE SURFACE TO A SATURATED SURFACE DRY (SSD) CONDITION WITH NO STANDING WATER.
- APPLY BONDING AGENT SIKAFLEX-BOND-110 EPOXYEMULSION EMERTOP 400<sup>TM</sup>.
- INSTALLATION OF BONDING AGENT AND TOPPING SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- LEAVE CONCRETE UP IF REQUIRED, AROUND BRANCHES, SUMPS AND AT MAN DOOR OPENINGS AS PER TOPPING MANUFACTURER'S RECOMMENDATIONS. LIPS SHOULD BE FORMED AND FINISHED TO MATCH THE SURFACE OF THE CONCRETE TO BE CONSTRUCTED. COMPENSATE INCREASED DETAILS TO ENGINEER PRIOR TO START OF CONSTRUCTION.

**PIER LEGEND:**

P1 - PIER TYPE 1, 10 LOCATIONS, SEE SHEET S06  
P2 - PIER TYPE 2, 12 LOCATIONS, SEE SHEET S06

**SLAB PLAN NOTES:**

1. 1500-1650-165 THICK CONC. PAD BELOW TO BE SUPPLIED AND MANIFOLDS AT MANIFOLDS BY GENERAL CONTRACTOR

2. 200 Ø BOLLARD TYPE "B2" (TYP.) SEE SHEET S09

3. 35kW ELECTRICAL GENERATOR PAD, CONC. OIL TANK PAD

4. 200 Ø BOLLARD TYPE "B1" (TYP.) SEE SHEET S09

5. 200 Ø BOLLARD TYPE "B2" (TYP.) SEE SHEET S09

6. 200 Ø BOLLARD TYPE "B3" (TYP.) SEE SHEET S09

7. 200 Ø BOLLARD TYPE "B4" (TYP.) SEE SHEET S09

8. 200 Ø BOLLARD TYPE "B5" (TYP.) SEE SHEET S09

9. 200 Ø BOLLARD TYPE "B6" (TYP.) SEE SHEET S09

10. 200 Ø BOLLARD TYPE "B7" (TYP.) SEE SHEET S09

11. 200 Ø BOLLARD TYPE "B8" (TYP.) SEE SHEET S09

12. 200 Ø BOLLARD TYPE "B9" (TYP.) SEE SHEET S09

13. 200 Ø BOLLARD TYPE "B10" (TYP.) SEE SHEET S09

14. 200 Ø BOLLARD TYPE "B11" (TYP.) SEE SHEET S09

15. 200 Ø BOLLARD TYPE "B12" (TYP.) SEE SHEET S09

16. 4100x1500x150 THICK CONC. PAD BELOW TO BE SUPPLIED AND MANIFOLDS AT MANIFOLDS BY GENERAL CONTRACTOR

17. 400 THICK 2400 HIGH CONC. WALL

18. 600 THICK 4000 HIGH CONCRETE POSTWALL

19. 1500x2000 CURB

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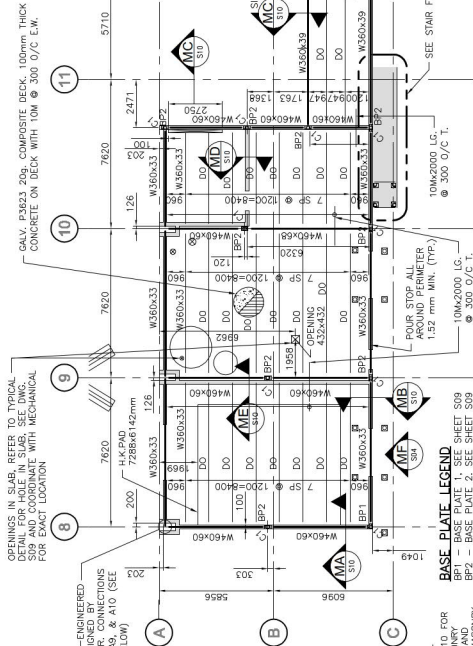
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<p><b>CLIENT INFORMATION</b></p> <p>CLIENT: CITY OF IQUALUIT</p> <p>PROJECT: WASTE TRANSFER STATION</p> <p>DATE: NOVEMBER 2022</p>		<p><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>CHKD.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>2</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>3</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>4</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>5</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>6</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>7</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>8</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>9</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>10</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>11</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> <tr> <td>12</td> <td>ISSUED FOR CONSTRUCTION</td> <td>2022/11/02</td> <td>LA</td> <td>GM</td> </tr> </tbody> </table>		NO.	DESCRIPTION	DATE	BY	CHKD.	1	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	2	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	3	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	4	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	5	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	6	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	7	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	8	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	9	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	10	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	11	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	12	ISSUED FOR CONSTRUCTION	2022/11/02	LA	GM	<p><b>DATE</b></p> <p>DATE: NOVEMBER 2022</p>	
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CONNECTION TO PRE-ENGINEERED BUILDING TO BE DESIGNED BY OTHERS. INCLUDE GRID AR, AS, & ATO (SEE LOADING TABLE 1 BELOW)



**BASE PLATE LEGEND**  
 SEE SHEET S10 FOR  
 BP1 - BASE PLATE 1. SEE SHEET S09  
 BP2 - BASE PLATE 2. SEE SHEET S09  
 CONNECTION DETAILS.

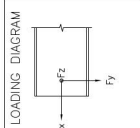
**PLAN - MEZZ. FRAMING**  
 1:1.25

**COLUMN SCHEDULE**  
 NOTE: FOR BASE PLATES (BP)  
 SEE SHEET S09

**LOADING TABLE 1**

LOADING	AB1	AG	IAT0
DEAD	17 (KM)	45	85
Fz (KM)	1	3	1
LIVE	72 (KM)	60	120
Fz (KM)	1	1	4

NOTES:  
 1. ALL LOADINGS ARE UNFACTORED.

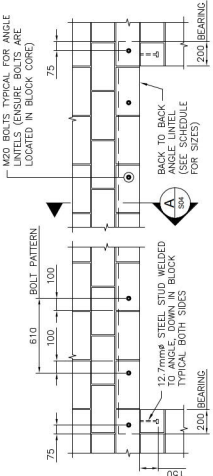


**OPENINGS IN SLAB, REFER TO TYPICAL SECTION S09 AND COORDINATE WITH MECHANICAL FOR EXACT LOCATION.**

**OPENINGS IN SLAB, REFER TO TYPICAL SECTION S09 AND COORDINATE WITH MECHANICAL FOR EXACT LOCATION.**

**OPENING IN SLAB REFER TO TYPICAL DETAIL FOR HOLE IN SLAB, SEE S09 FOR EXACT LOCATION.**

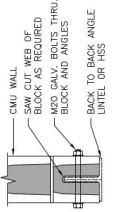
**NOTES:**  
 1. ALL STEEL STUDS WELDED TO ANGLE AND HSS TO BE 12.7mm DIAMETER AND SHALL BE GROUDED INTO BLOCK CORE AT BEARING ENDS.  
 2. ALL STEEL STUDS WELDED TO ANGLE AND HSS TO BE GROUDED INTO BLOCK CORE AT BEARING ENDS.  
 3. NUMBER OF LINTEL BEAMS REQUIRED SHALL BE CONFIRMED AND COORDINATED WITH ARCHITECTURAL FOR EXACT WIDTHS AND LOCATIONS.



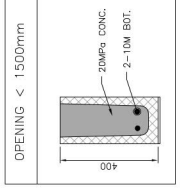
**ELEVATION - TYPICAL LINTEL IN CMU WALL**  
 1:20

**STEEL LINTEL SCHEDULE**

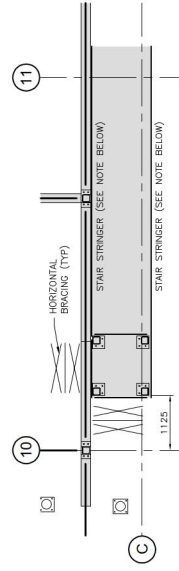
CLEAR SPAN	WALL THICKNESS
1500 TO 2600	HSS 178x178x6.4
	190



**SECTION - TYPICAL LINTEL**  
 1:10



OPENING < 1500mm



**STAIR FRAMING PLAN**  
 1:20

**NOTE:**  
 DIMS FOR ELEVATION AND SECTIONS. SEE SHEET S09 FOR MECHANICAL AND SUPPLIED BY MISCELLANEOUS METALS.

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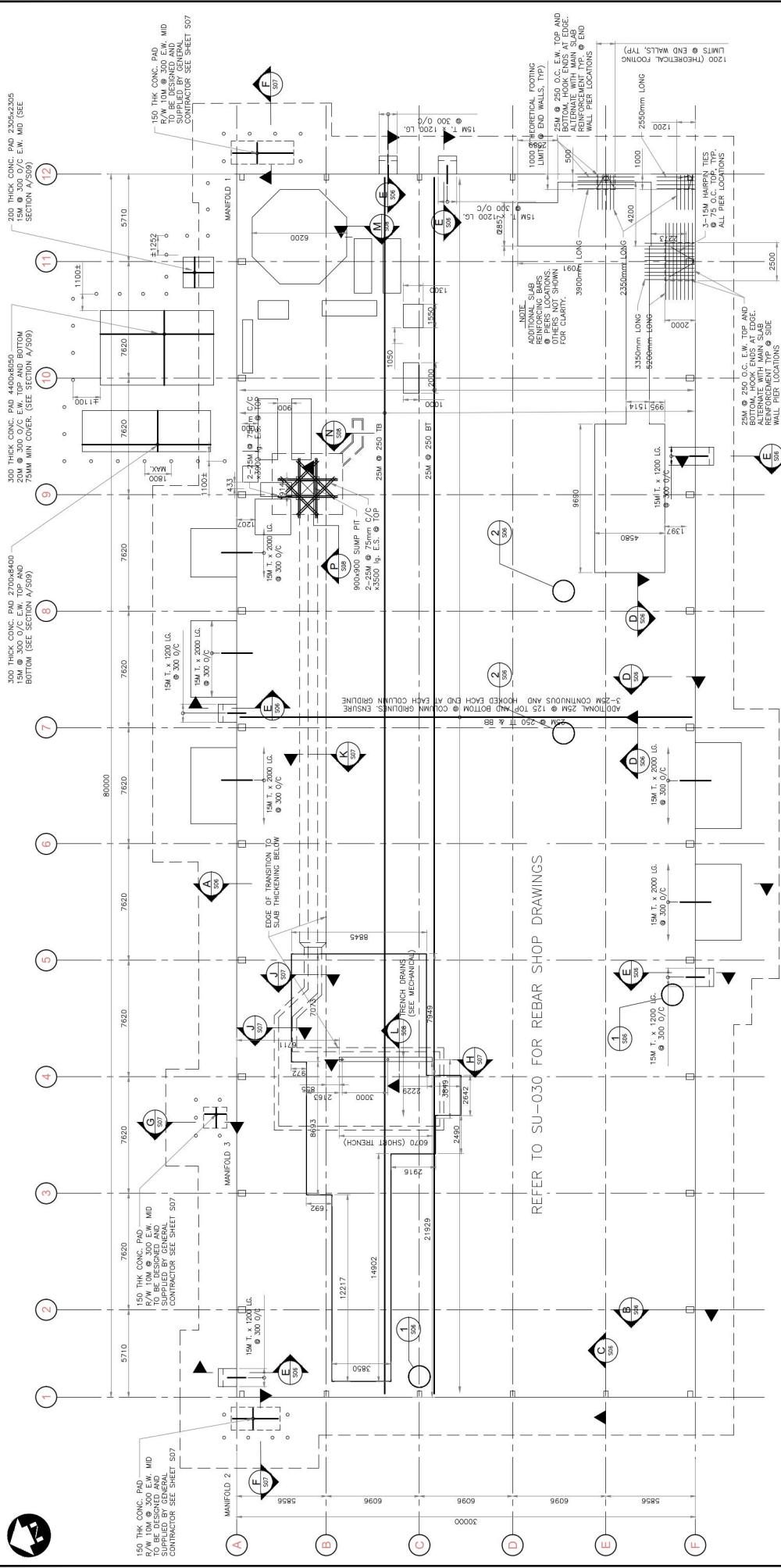


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12	REVISED FOR CONSTRUCTION	LA	GM	

**CITY OF IQALUIT**  
**WASTE TRANSFER STATION**  
**MEZZANINE PLAN**  
**WTS-S04**  
 19-9543



NOTE: CONTRACTOR TO NOTE LOCATION OF MEZZANINE COLUMNS DURING PLACEMENT OF REINFORCING TO ENSURE CENTERLINE OF MEZZANINE COLUMN GRIDLINES IN BOTH DIRECTIONS AND EXTEND BARS PAST MEZZANINE FOOTPRINT BY A MINIMUM OF ONE BAR LAP DISTANCE.

**SLAB REINFORCING PLAN**

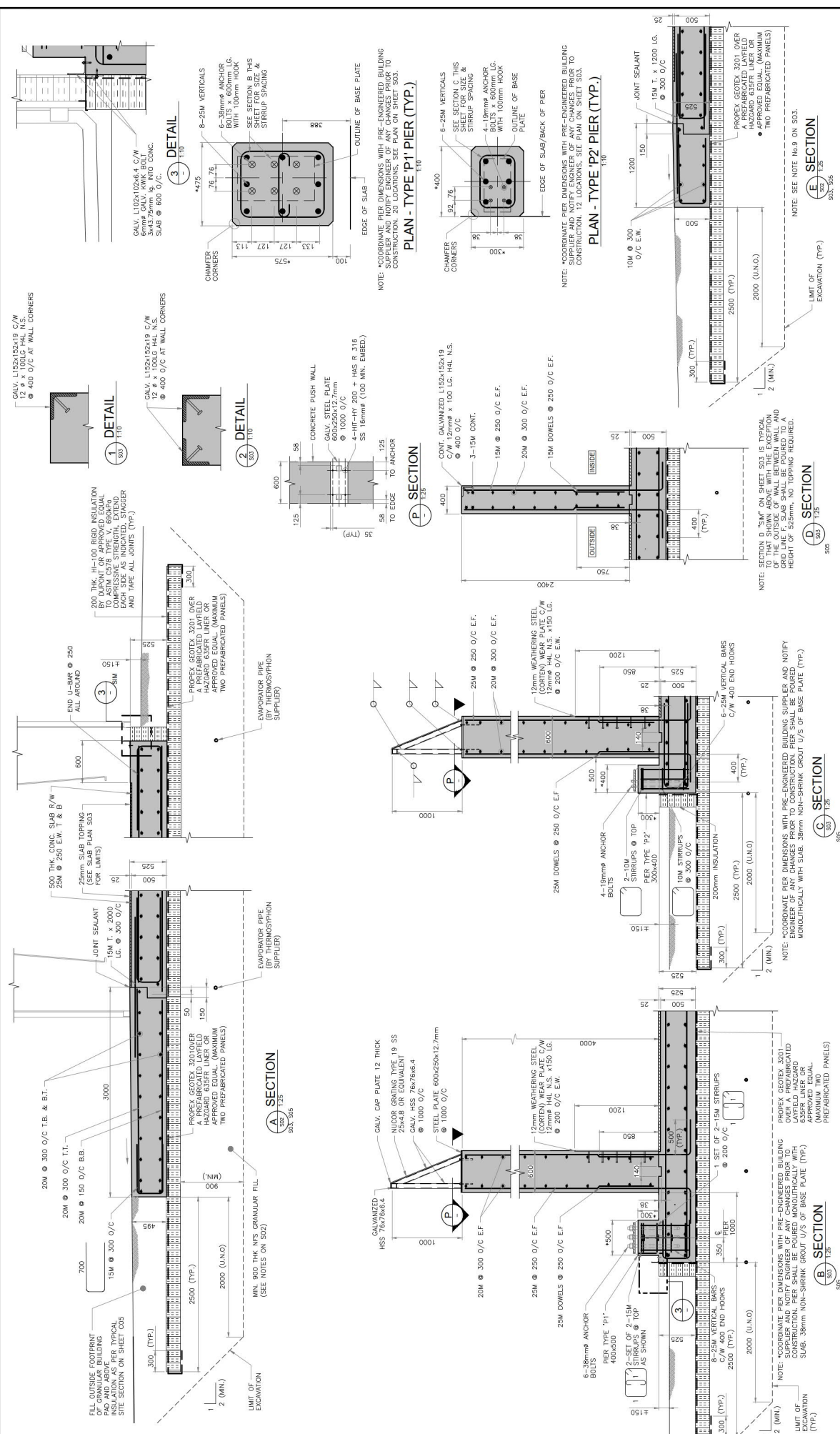
1:125

CITY OF QALUIT WASTE TRANSFER STATION		PROJECT NO. 19-9543
SLAB REINFORCING PLAN		DATE NOVEMBER 2022

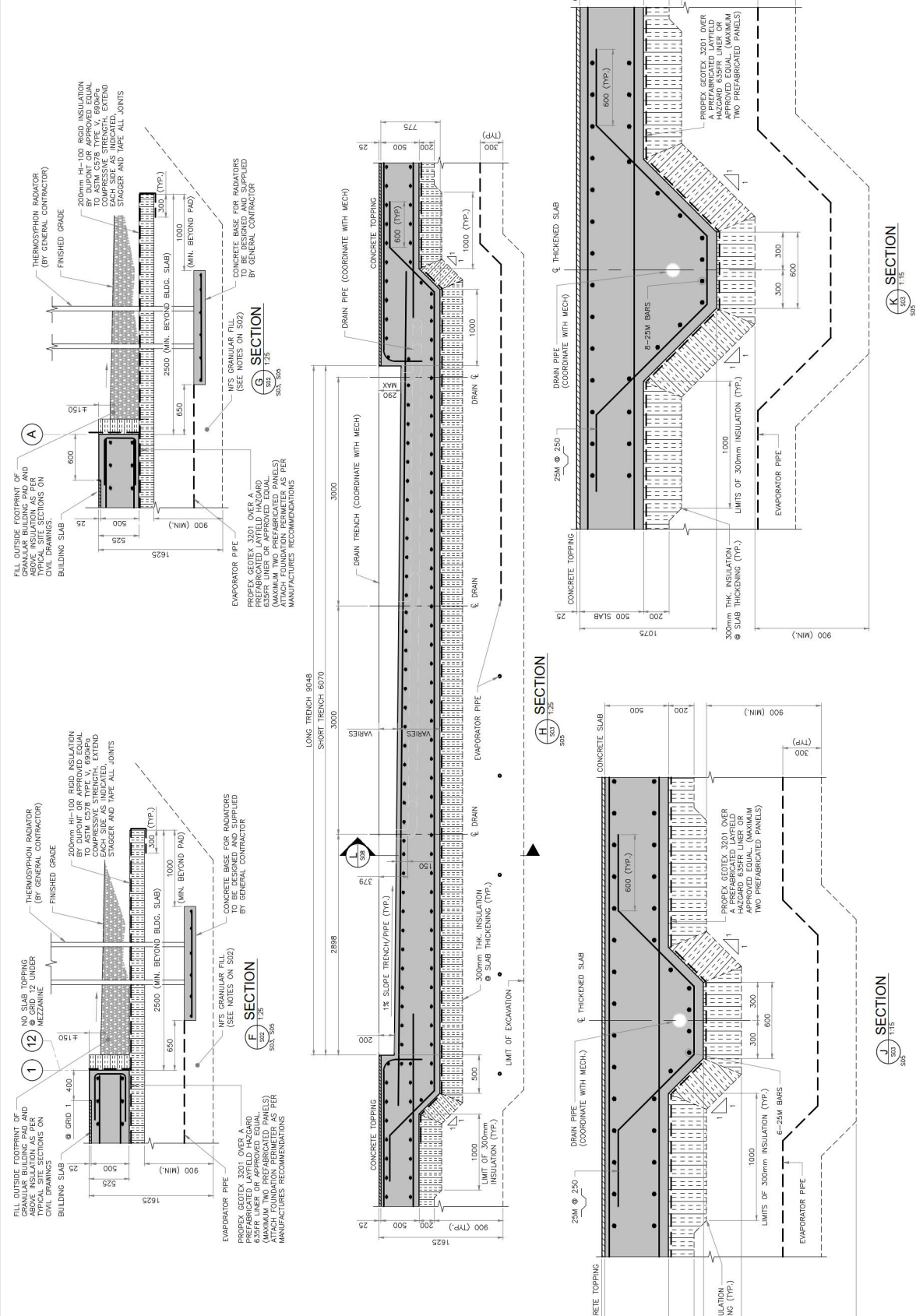
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<p><b>SLAB SECTIONS &amp; DETAILS 1</b></p>		<p>DATE: NOVEMBER 2022</p>		<p>SCALE: AS SHOWN</p>		<p>DATE: NOVEMBER 2022</p>		<p>SCALE: AS SHOWN</p>		



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PROFESSIONAL ENGINEER  
REGISTERED  
L.T. ANGLE  
LICENSEE  
AT/NO

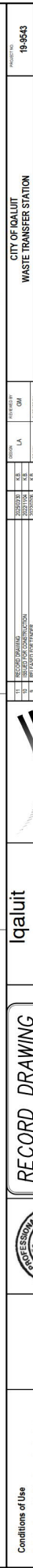
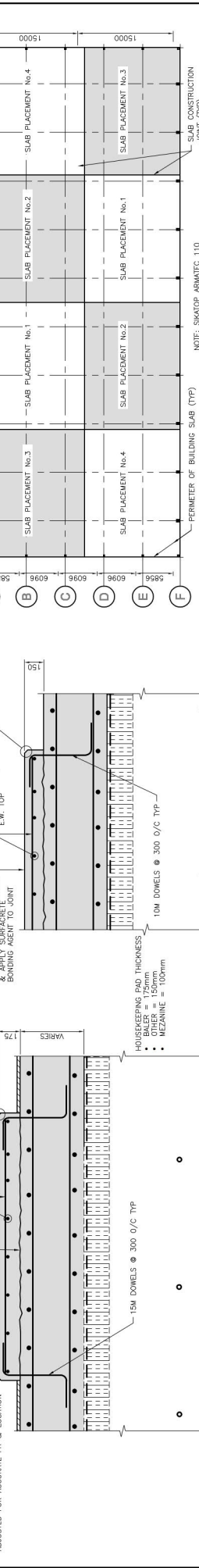
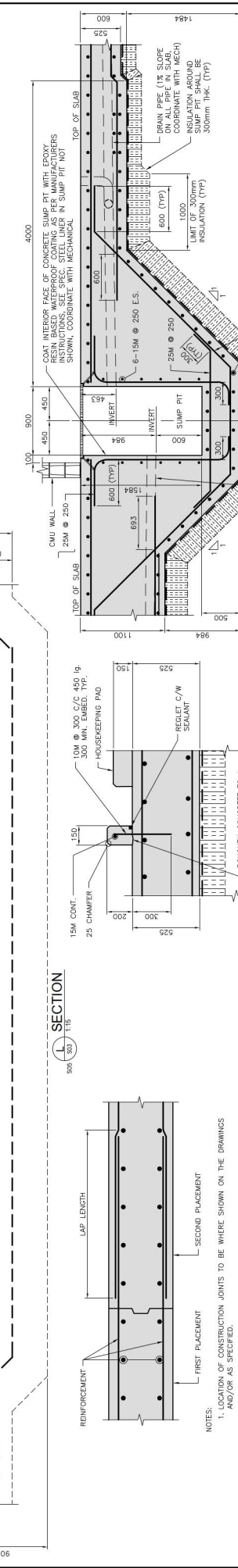
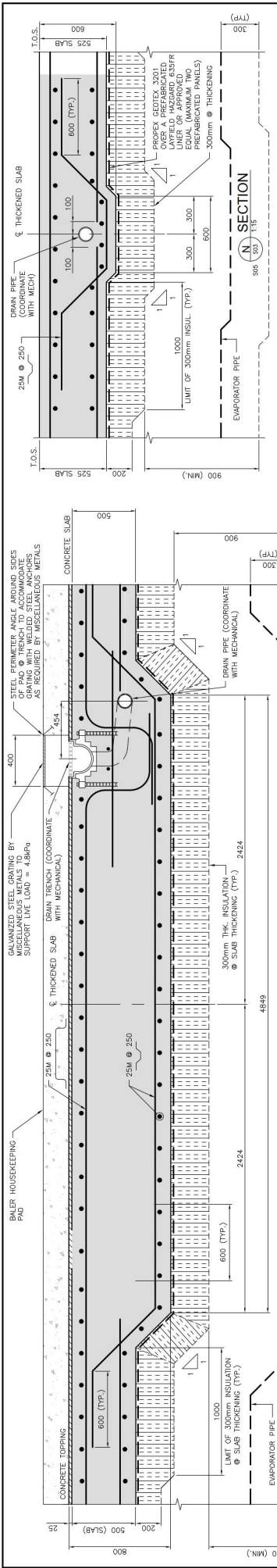
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**lqaluit**

**DILLON CONSULTING**

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RECORD DRAWING		CITY OF QALUIT	
Professional Engineer		WASTE TRANSFER STATION	
PROJECT NO.	19-9543	DATE	NOVEMBER 2022
CLIENT	WTS-S08	SCALE	AS SHOWN
DESIGNED BY	DL	CHECKED BY	CPV
DRAWN BY	DL	DATE	NOVEMBER 2022
DATE	NOVEMBER 2022	PROJECT	WASTE TRANSFER STATION
SCALE	AS SHOWN	PROJECT NO.	19-9543
DATE	NOVEMBER 2022	CLIENT	WTS-S08
PROJECT	WASTE TRANSFER STATION	SCALE	AS SHOWN
CLIENT	WTS-S08	DATE	NOVEMBER 2022
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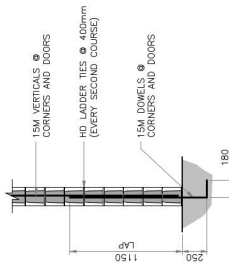
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 Registered Professional Engineer  
 K.Y.N.D.

**lqaluit**  
**Ab-Jac**

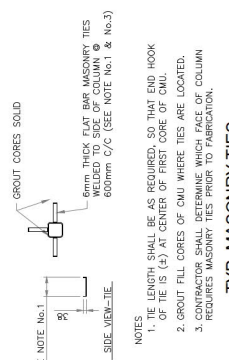
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**SLAB ON GRADE KEY PLAN - PROPOSED SLAB CONSTRUCTION JOINTS**  
 NOTE: SKATOP ARMADEC 110 BETWEEN EACH PLACEMENT.  
 NOTE: MINIMUM 7 DAYS MINIMUM BETWEEN EACH PLACEMENT.  
 PERIMETER OF BUILDING SLAB (TYP)  
 SLAB PLACEMENT No. 1  
 SLAB PLACEMENT No. 2  
 SLAB PLACEMENT No. 3  
 SLAB PLACEMENT No. 4  
 HOUSEKEEPING PAD  
 BALER HOUSEKEEPING PAD  
 CONSTRUCTION JOINT  
 HOUSEKEEPING PAD THICKNESS:  
 • BALER = 175mm  
 • MEZZANINE = 100mm

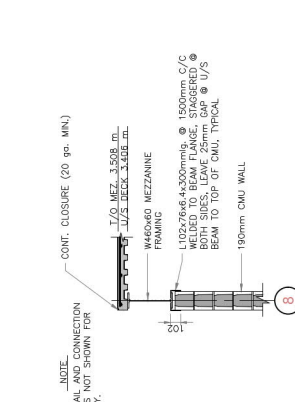




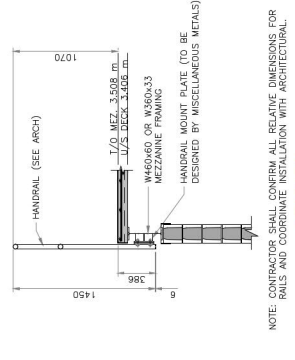
**TYP. MASONRY WALL REINFORCING**  
1:25



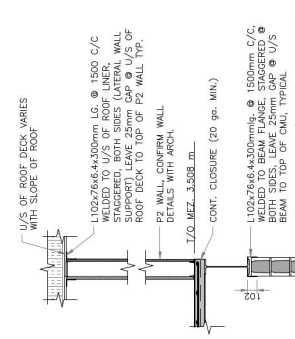
**TYP. MASONRY CORNER REINFORCING**  
1:25



**SECTION - WALL OFFSET FROM BEAM (TYP.)**  
1:25



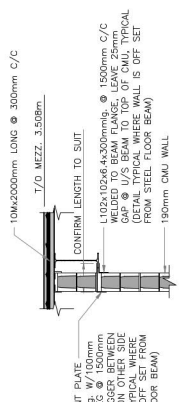
**SECTION - LATERAL WALL SUPPORT**  
1:25



**SECTION - LATERAL WALL SUPPORT**  
1:25

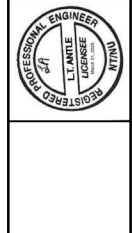


**SECTION - LATERAL WALL SUPPORT**  
1:25



**SECTION - WALL OFFSET FROM BEAM (TYP.)**  
1:25

**Conditions of Use**  
Verify elevations and/or dimensions on drawing prior to use.  
Report any discrepancies to Dillon Consulting Limited.  
Do not scale dimensions from drawing.  
Do not modify drawing re-use it or use it for purposes other than those intended without the written permission from Dillon Consulting Limited.



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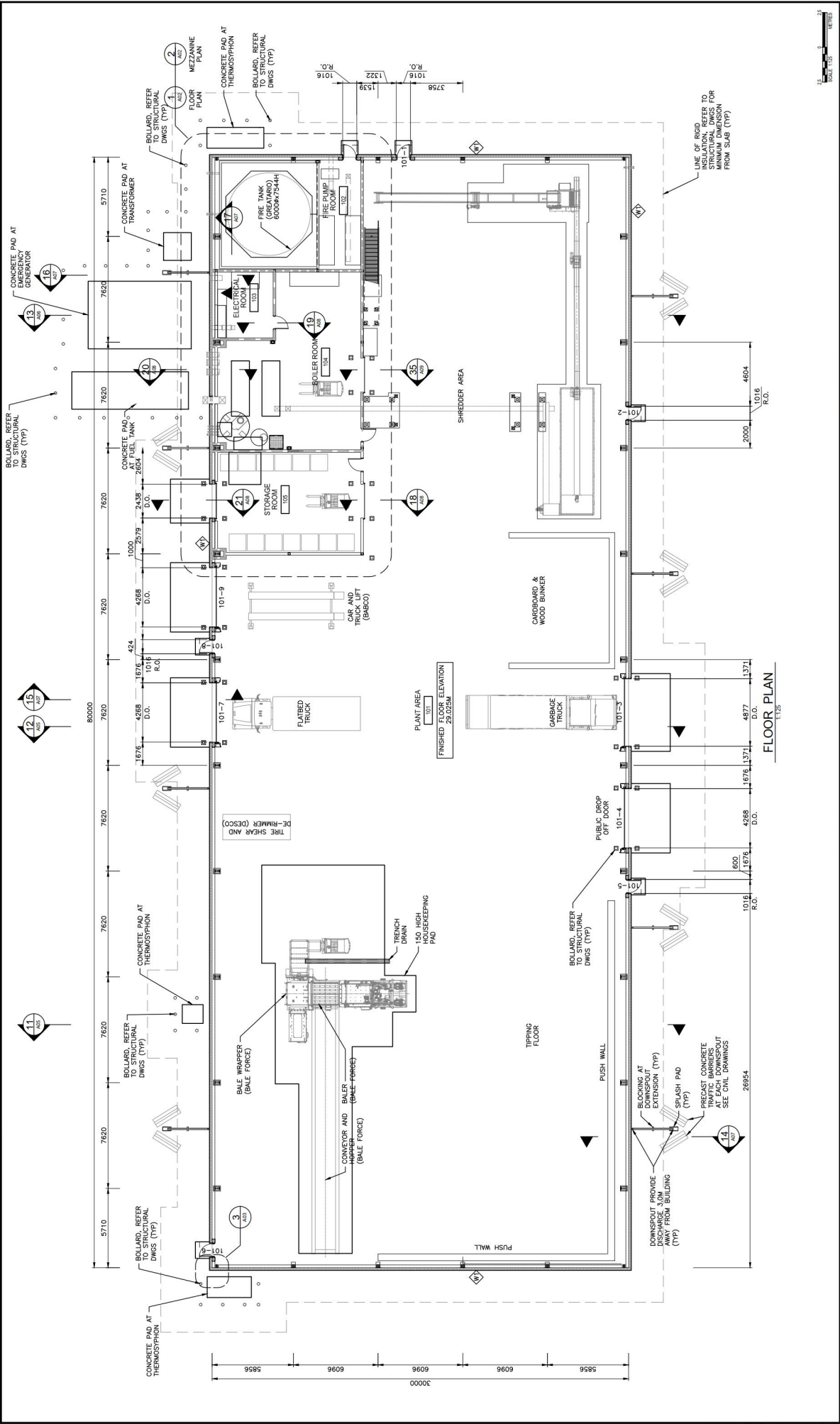
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2	2023/03/08	LA	GM	ISSUED FOR CONSTRUCTION
3	2023/03/08	LA	GM	ISSUED FOR CONSTRUCTION
4	2023/03/08	LA	GM	ISSUED FOR CONSTRUCTION
5	2023/03/08	LA	GM	ISSUED FOR CONSTRUCTION
6	2023/03/08	LA	GM	ISSUED FOR CONSTRUCTION
7	2023/03/08	LA	GM	ISSUED FOR CONSTRUCTION
8	2023/03/08	LA	GM	ISSUED FOR CONSTRUCTION
9	2023/03/08	LA	GM	ISSUED FOR CONSTRUCTION
10	2023/03/08	LA	GM	ISSUED FOR CONSTRUCTION

**MEZZANINE SECTIONS & DETAILS**

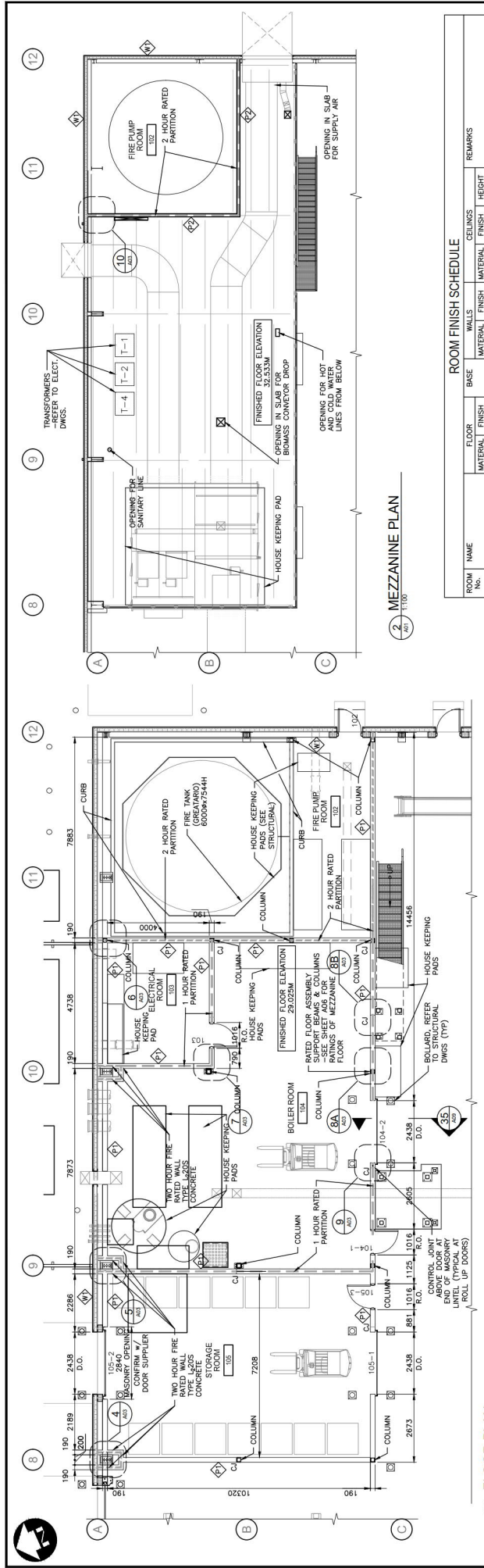
CITY OF IQALUIT  
WASTE TRANSFER STATION

PROJECT NO: 19-9543  
DATE: 1/25

**WTS-S10**



<p>Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited.</p> <p>Do not modify drawing re-use it, or use it for purposes other than those intended without the written permission from Dillon Consulting Limited.</p>		<p><b>RECORD DRAWING</b></p> <p>This drawing is the property of Dillon Consulting Limited. It is not to be used, copied, or reproduced in any form without the written permission of Dillon Consulting Limited. The user assumes full responsibility for the accuracy and completeness of the information provided. Dillon Consulting Limited does not accept any liability for any errors or omissions in this drawing.</p>	<p><b>lqaluit</b></p> <p><b>Dillon Consulting</b></p> <p><b>A'la-Sak</b></p>	<p><b>CITY OF IQUALUIT</b></p> <p><b>WASTE TRANSFER STATION</b></p> <p><b>FLOOR PLAN</b></p>	<p>PROJECT NO: 19-9543</p> <p>SHEET NO: WTS-A01</p>																																																																																																																																																																																																																																																															
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FLOOR PLAN  
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MEZZANINE PLAN  
2 A01 1100

ROOM FINISH SCHEDULE

ROOM NO.	NAME	BASE	FLOOR FINISH	WALLS	CEILING	HEIGHT	REMARKS
101	PLANT AREA	-	CONC	L.P. CMU	PNT	LP	PREFIN
102	ELECTRICAL ROOM	-	CONC	L.P. CMU	PNT	LP	EXPOSED
103	ELECTRICAL ROOM	-	CONC	L.P. CMU	PNT	LP	EXPOSED
104	BOILER ROOM	-	CONC	L.P. CMU	PNT	LP	EXPOSED
105	STORAGE ROOM	-	CONC	L.P. CMU	PNT	LP	EXPOSED
106	MEZZANINE AREA	-	CONC	L.P.	PNT	LP	EXPOSED

DOOR, FRAME AND HARDWARE SCHEDULE

NUMBER	FROM	TO	SWING	TYPE	THICK	HEIGHT	WIDTH	DOOR	FRAME				REMARKS
									MAT	MAT	FINISH	RATING DETAIL	
101-1	101	101	EXT	RH	F	914	2134	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
101-2	101	101	EXT	LH	F	914	2134	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
101-3	101	101	EXT	-	OH	4288	7000	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
101-4	101	101	EXT	-	OH	4288	6998	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
101-5	101	101	EXT	LH	F	914	2134	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
101-6	101	101	EXT	LH	F	914	2134	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
101-7	101	101	EXT	LH	F	914	2134	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
101-8	101	101	EXT	LH	F	914	2134	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
101-9	101	101	EXT	-	OH	4288	6998	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
102	102	102	EXT	RHR	F	914	2134	45	HM	PT	PT	PT	INSULATED DOOR AND FRAME
103	101	103	RHR	F	914	2134	45	HM	PT	PT	PT	PT	SELF-CLOSING MECHANISM AND POSITIVE LATCHING
104-1	101	104	RHR	F	914	2134	45	HM	PT	PT	PT	PT	SELF-CLOSING MECHANISM AND POSITIVE LATCHING
104-2	101	105	-	OH	2438	2400	-	STEEL	PREFIN	-	-	-	PROVIDE FUSIBLE LINK IN DOOR, RAL 9018
105-1	101	105	-	OH	2438	2400	-	STEEL	PREFIN	-	-	-	RAL 9018
105-2	105	105	-	OH	2438	2400	-	STEEL	PREFIN	-	-	-	BETWEEN JAMB MOUNTING, RAL 5010
105-3	101	105	RH	F	914	2134	45	HM	PT	PT	PT	PT	BETWEEN JAMB MOUNTING, RAL 5010

WALL / PARTITION SCHEDULE

TYPE	DESCRIPTION
W1	3/8 PREFINISHED METAL SIDING WITH NOTCHED Z SUB GIRTS 1/2 SEMI RIGID INSULATION (R19) 1/2 GYPSUM BOARD 203 Z GIRTS
P1	190 CONCRETE BLOCK HEAVY DUTY HORIZONTAL REINFORCING EVERY 150MM 15M VERTICAL REINFORCING @ 400 O.C. CONTINUOUS BARS IN EACH BLOCK WALLS (SEE PLAN FOR FIRE RATING REQUIRED AT BLOCK WALLS)
P2	2 FIRE RATED GYPSUM BOARD ASSEMBLY TO ULC W884P STUDS, MIN 152MM DEEP • 610 O.C. • 12MM THICK 0213 WIDE GYPSUM BOARD TYPE 'X', APPLIED IN TWO LAYERS, BASE LAYER TO BE TO U/S OF ROOF STRUCTURE AND BUILDING FRAMING (ALLOW FOR BUILDING DEFLECTION) VERTICALLY FACE LAYER APPLIED

ABBREVIATIONS

CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
EXT	EXTERIOR
HR	HARDWARE
HM	HOLLOW METAL
HMD	HOLLOW METAL DOOR
HP	HOLLOW METAL PARTITION
L.P.	LEFT HAND
L.P.	LEFT HAND
L.P.	LEFT HAND
LP	LINEAR PANEL
NR	NON-REMOVABLE
NL	NARROW LITE
PKG	PACKAGE
PT	PREFINISHED
PREFIN	PREFINISHED
RH	RIGHT HAND
RH	RIGHT HAND
RH	RIGHT HAND
U/S	UNDERSIDE
VT	VINYL TILE

CITY OF CALUIT  
WASTE TRANSFER STATION

ENLARGED FLOOR PLAN, MEZZANINE PLAN, SCHEDULES, DOOR, FRAME ELEVATIONS ABBREVIATIONS

19-9543  
WTS-A02

DOOR, FRAME ELEVATIONS  
1:50



RECORD DRAWING

This drawing is for record only and is not to be used for construction. It is the responsibility of the client to ensure that the drawing is accurate and that it is not used for any other purpose. The client is responsible for any errors or omissions in this drawing. The client is responsible for any errors or omissions in this drawing. The client is responsible for any errors or omissions in this drawing.

Conditions of Use

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lqaluit



REVISIONS

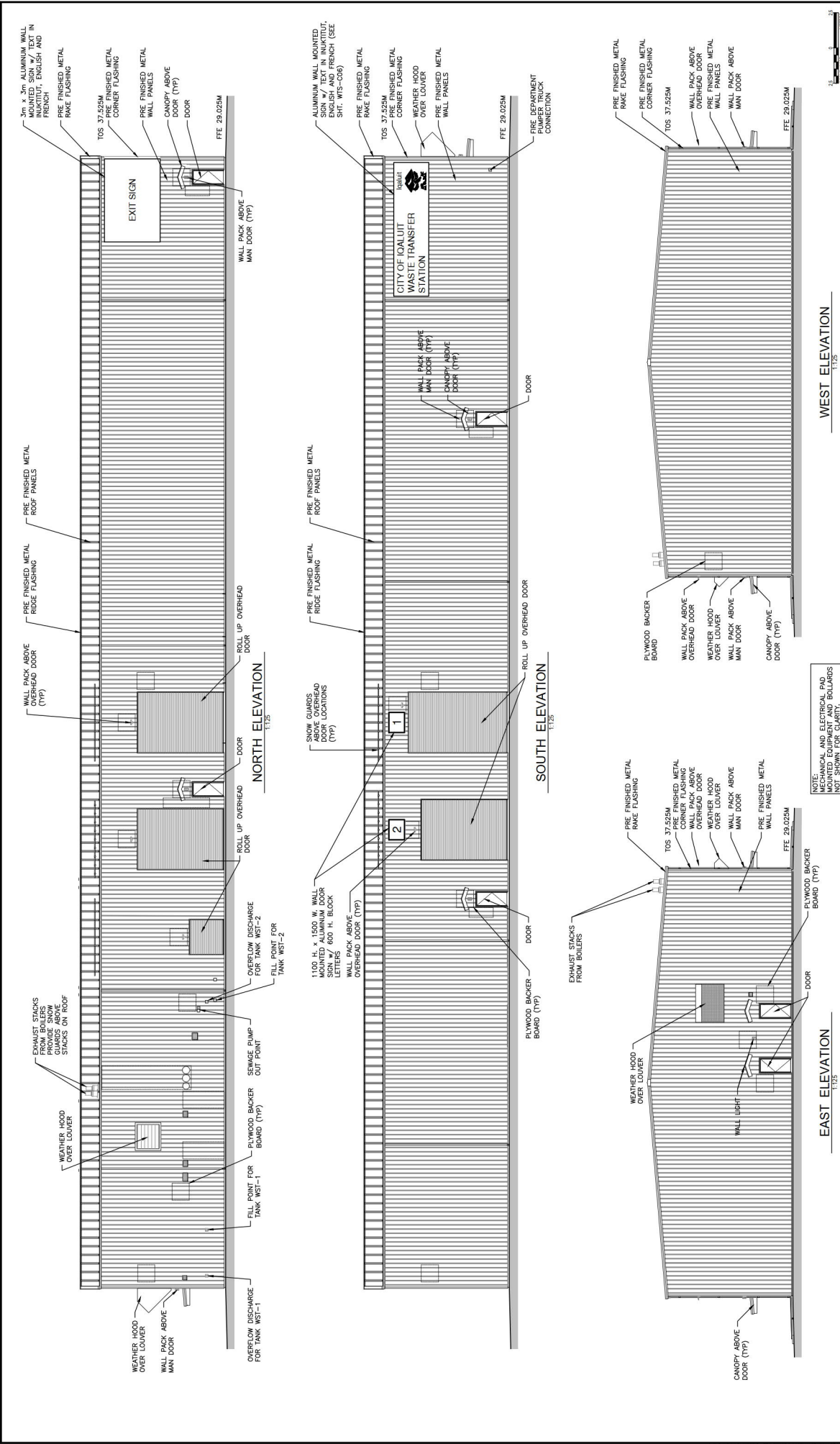
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3	2019/09/25	ISSUED FOR PERMIT	FOR	TD
4	2019/10/08	ISSUED FOR PERMIT	FOR	TD
5	2019/10/22	ISSUED FOR PERMIT	FOR	TD
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7	2019/10/22	ISSUED FOR PERMIT	FOR	TD
8	2019/10/22	ISSUED FOR PERMIT	FOR	TD
9	2019/10/22	ISSUED FOR PERMIT	FOR	TD
10	2019/10/22	ISSUED FOR PERMIT	FOR	TD

CITY OF CALUIT  
WASTE TRANSFER STATION

ENLARGED FLOOR PLAN, MEZZANINE PLAN, SCHEDULES, DOOR, FRAME ELEVATIONS ABBREVIATIONS

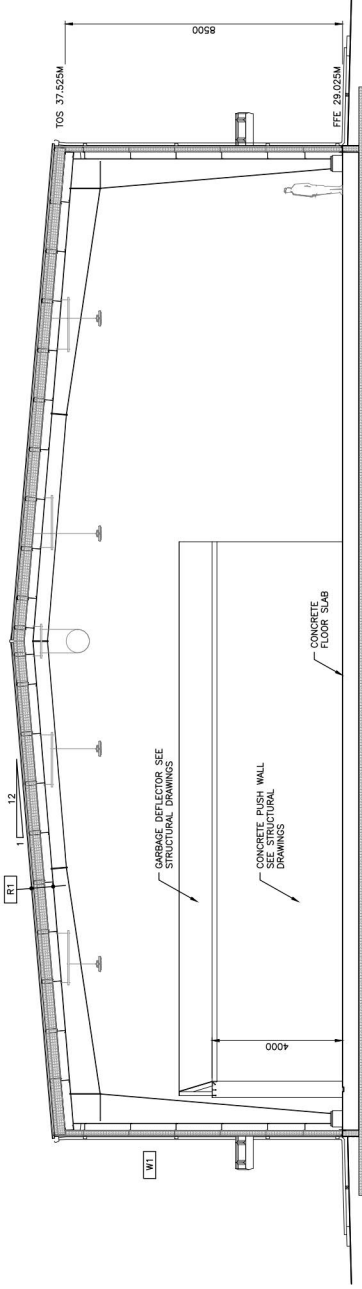
19-9543  
WTS-A02



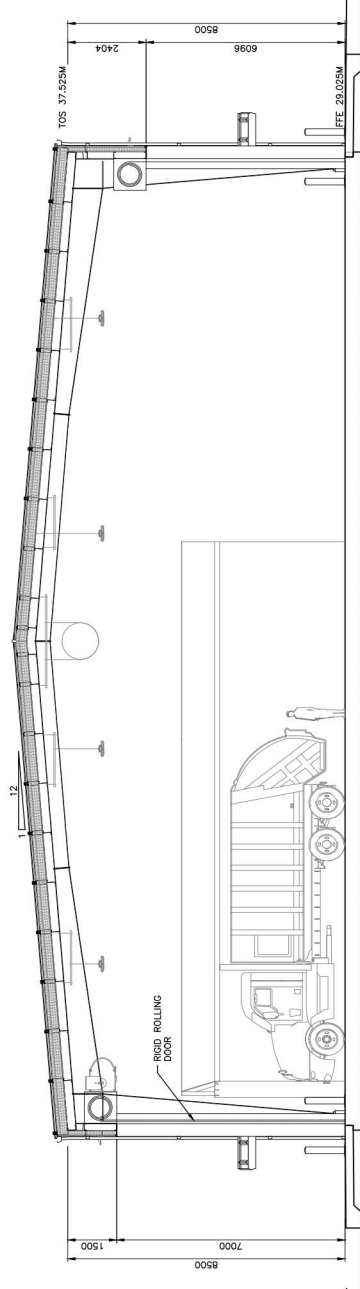


<p><b>Conditions of Use</b></p> <p>Verify elevations and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited. Do not scale dimensions from drawing. Do not modify, reuse, or use for purposes other than those intended without the written permission of Dillon Consulting Limited.</p>	<p><b>RECORD DRAWING</b></p> <p>This drawing is a record drawing and does not constitute an offer of engineering services. It is not to be used for any purpose other than that for which it was prepared. It is not to be used for any other purpose without the written permission of Dillon Consulting Limited.</p>			<p>NOTE: MECHANICAL AND ELECTRICAL PAD MOUNTED EQUIPMENT AND BOLLARDS NOT SHOWN FOR CLARITY.</p>	<p><b>WEST ELEVATION</b> 1:1.25</p>												<p>CITY OF QALUIT WASTE TRANSFER STATION</p>	<p>19-9543</p>
					<p>DATE: 11/20/2023 TIME: 10:00 AM SCALE: 1:1.25</p>												<p>PROJECT NO.</p>	<p>SHEET NO.</p>
<p><b>BUILDING ELEVATIONS</b></p>				<p>NOVEMBER 2023</p>				<p>NOTED</p>				<p>WTS-A04</p>						

ROOF SCHEDULE	
TYPE	DESCRIPTION
R1	38 1/2" WIDE GIBBS SEMI ROOF PANELS 51 3/4" CHANGES THERMAL MAT CLIPS TO INSULATION WITH FOR R40 INSULATION R40 SEMI RIGID INSULATION 16 BARRIER VAPOR BARRIER / VAPOR 254 ROOF PURLINS



11 SECTION  
A01 1/25



12 SECTION  
A01 1/25

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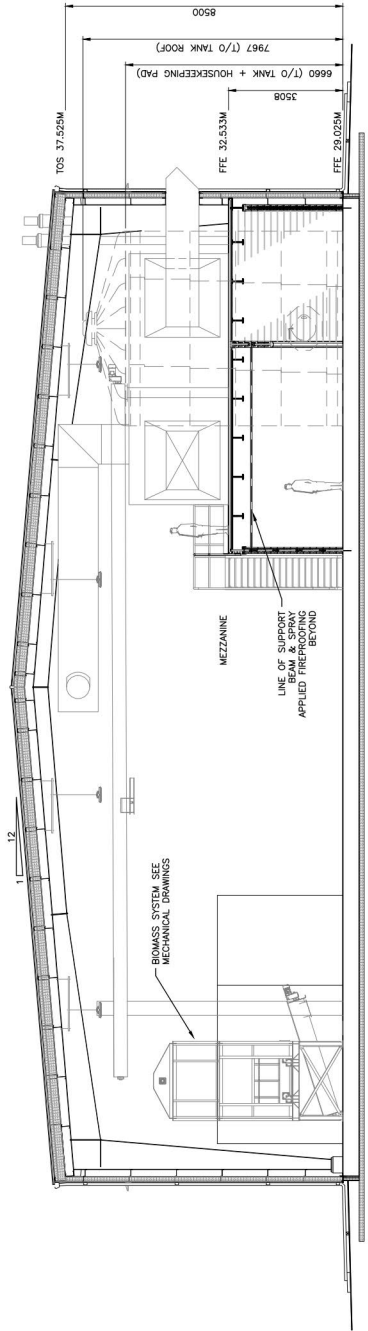


NO.	DATE	BY	CHKD.	REVISIONS	REVISIONS	DATE	BY	CHKD.	NOTED
1	2021/09/25	K.E.		ISSUED FOR CONSTRUCTION	ISSUED FOR CONSTRUCTION	JAN	RD		
2	2021/09/25	K.E.		REVISED FOR CONSTRUCTION	REVISED FOR CONSTRUCTION	JAN	RD		
3	2021/09/25	K.E.		REVISED FOR CONSTRUCTION	REVISED FOR CONSTRUCTION	JAN	RD		
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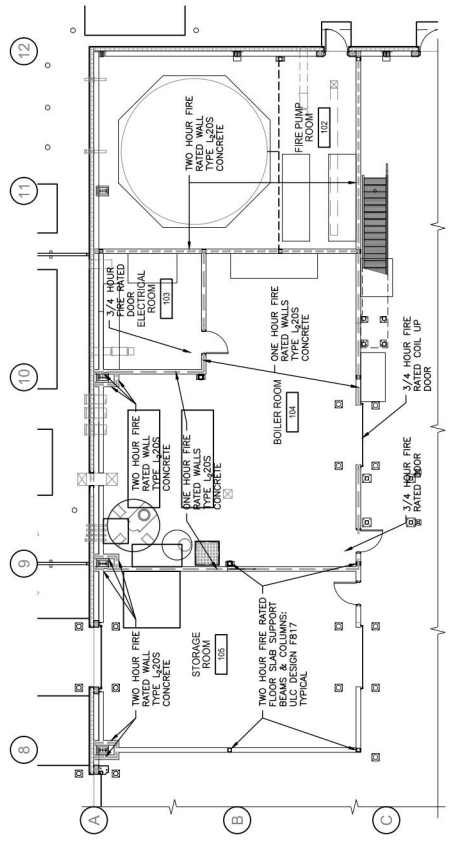
CITY OF IQALUIT  
 WASTE TRANSFER STATION  
 CROSS SECTIONS SHEET 1

PROJECT NO. 19-9543  
 SHEET NO. WTS-A05

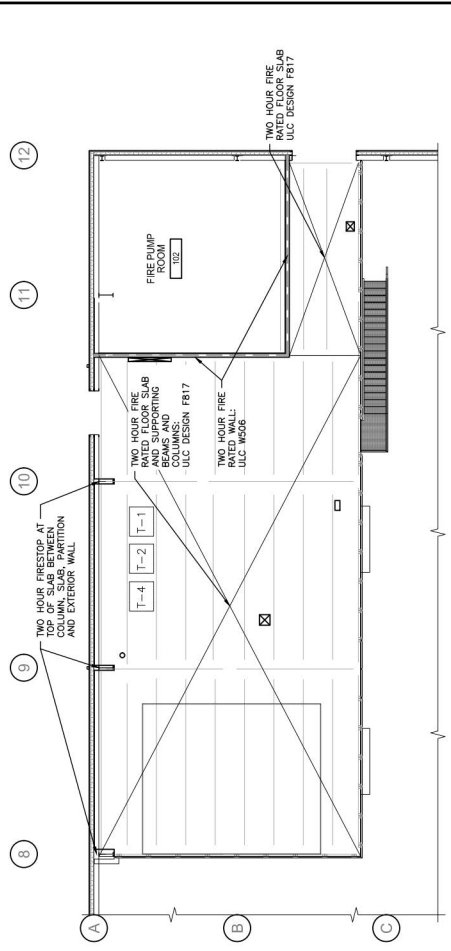




13 SECTION  
SCALE 1/8" = 1'-0"



FIRE RATING FLOOR PLAN  
SCALE 1/8" = 1'-0"



FIRE RATING MEZZANINE PLAN  
SCALE 1/8" = 1'-0"

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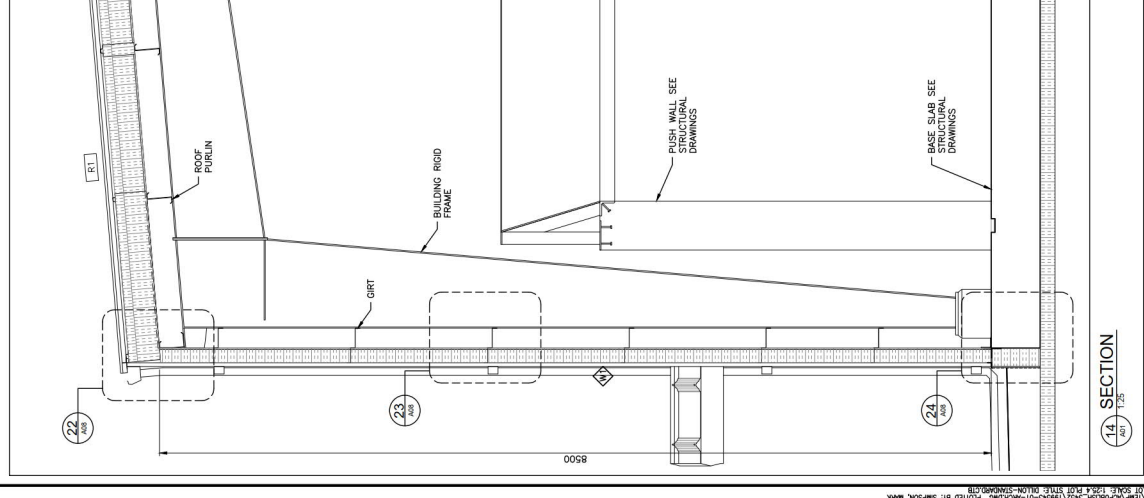
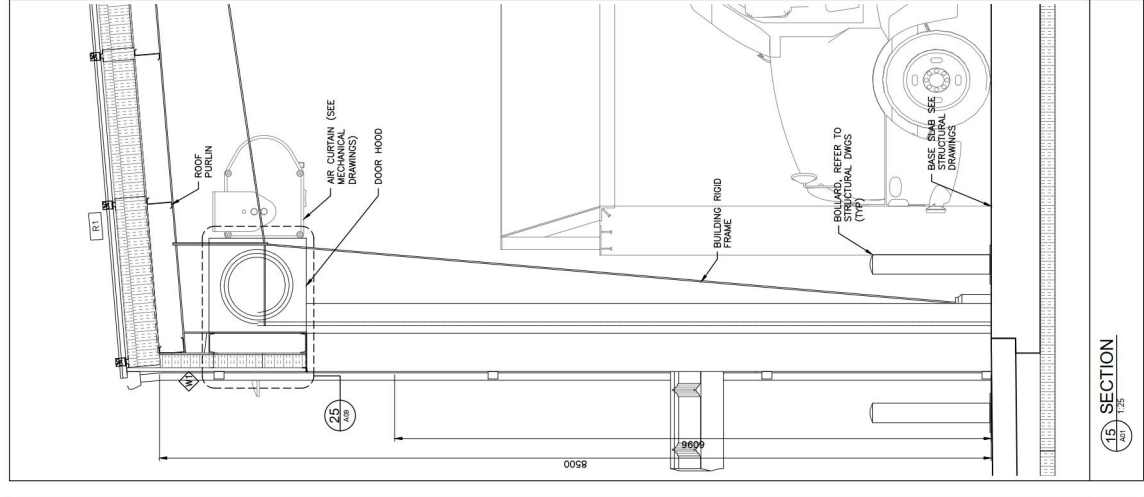
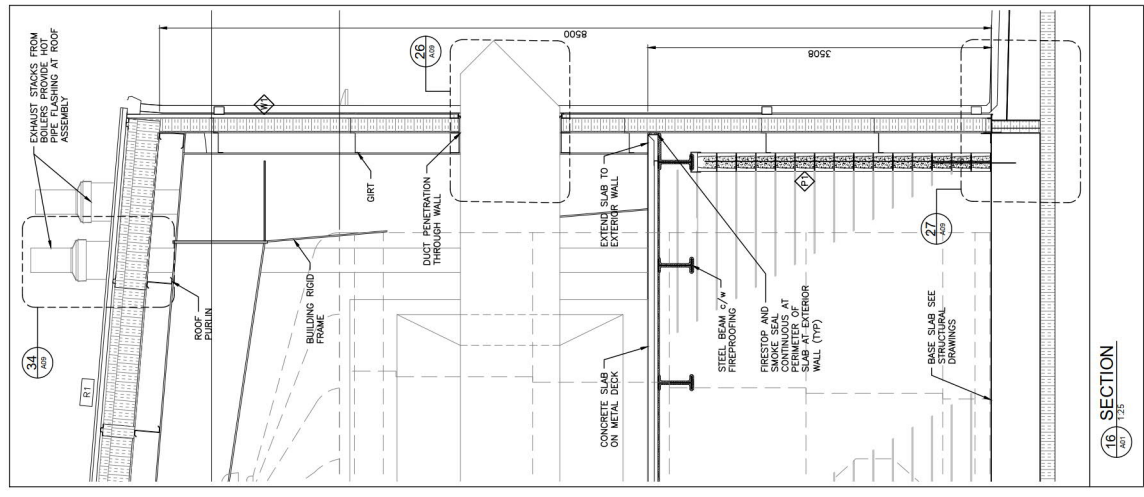
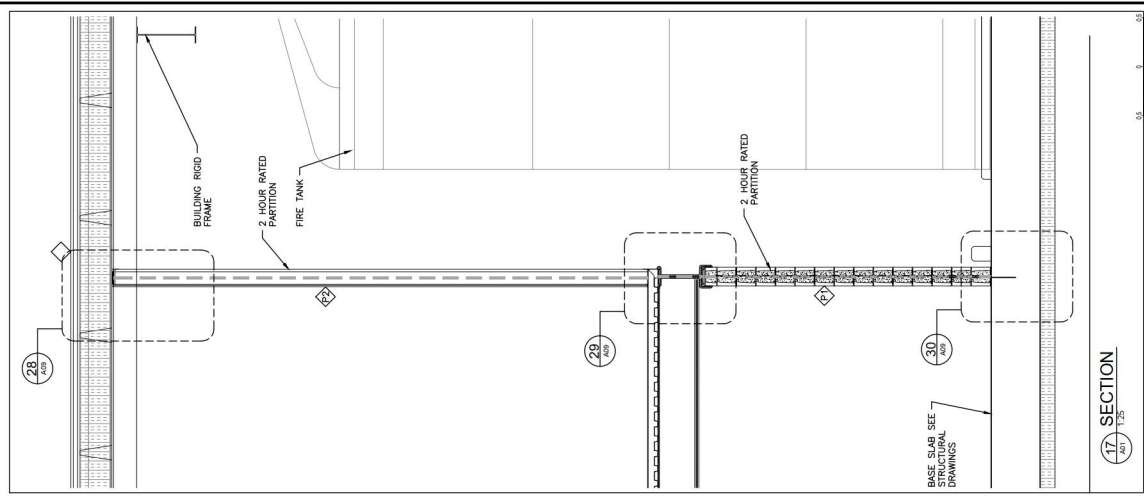
**RECORD DRAWING**  
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NO.	REVISIONS	DATE	BY	CHKD.	NOTED
1	ISSUED FOR CONSTRUCTION	2023/10/10	K.E.	JAN	NOTED
2	ISSUED FOR PERMITS	2023/10/10	K.E.	JAN	NOTED
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50	ISSUED FOR PERMITS	2023/10/10	K.E.	JAN	NOTED

CITY OF IQUALUIT  
 WASTE TRANSFER STATION  
 CROSS SECTIONS SHEET 2  
 FIRE RATED ASSEMBLY PLANS

PROJECT NO. 19-9543  
 SHEET NO. WTS-A06



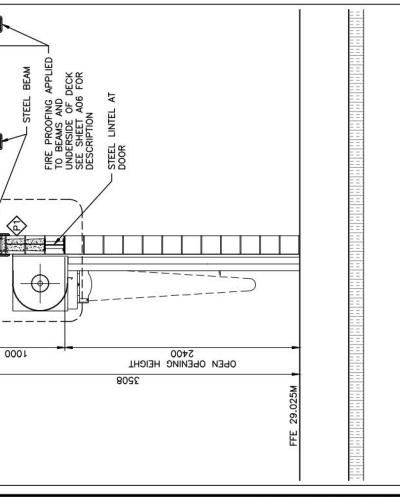
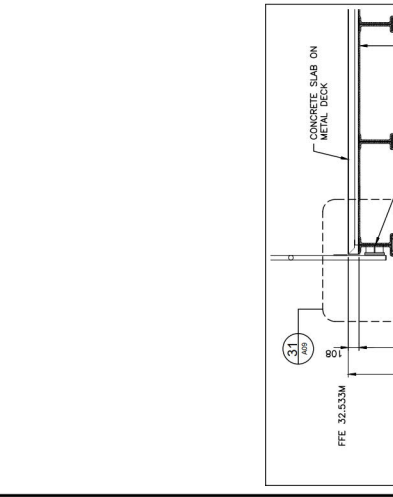
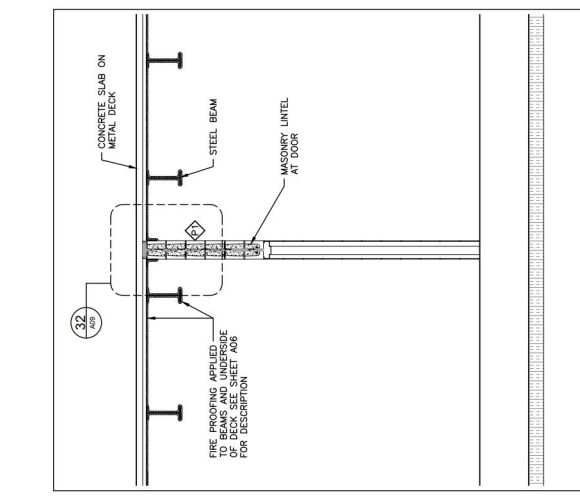
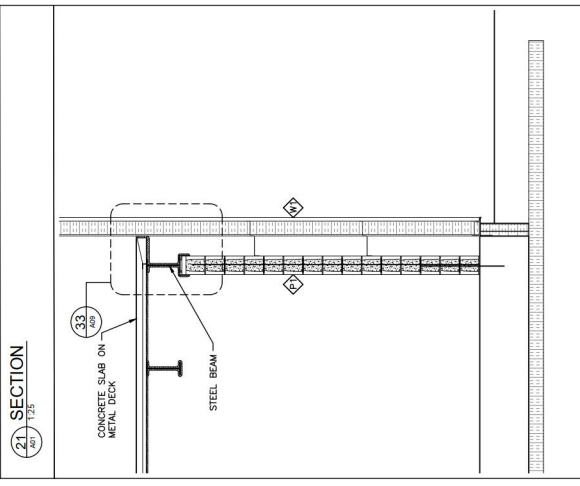
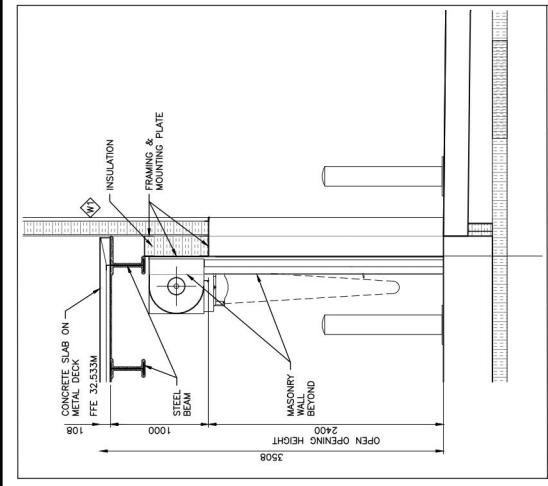
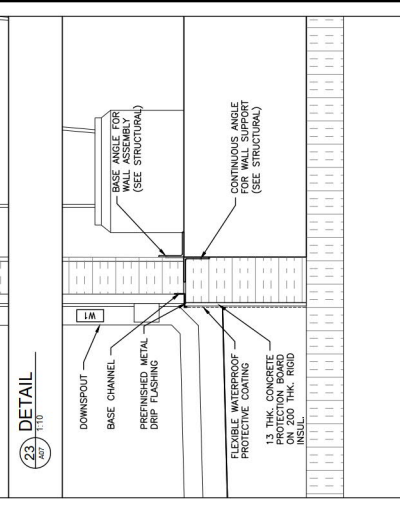
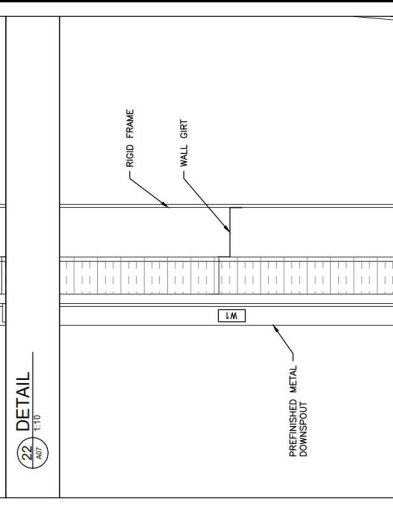
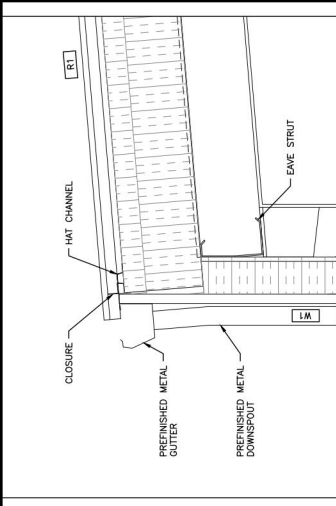
PROJECT NO: 19-9543  
SHEET NO: WTS-A07  
CITY OF QALUIT  
WASTE TRANSFER STATION  
WALL SECTIONS SHEET 1

NO.	REVISION	DATE	BY	CHECKED BY
1	ISSUED FOR CONSTRUCTION	2023/10/20	JK	JK
2	REVISED FOR COMMENTS	2023/10/20	JK	JK
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**RECORD DRAWING**  
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**DETAIL**  
SCALE 1:10

**SECTION**  
SCALE 1:25

**SECTION**  
SCALE 1:25

**SECTION**  
SCALE 1:25

CITY OF QALUIT  
WASTE TRANSFER STATION  
WALL SECTIONS SHEET 2

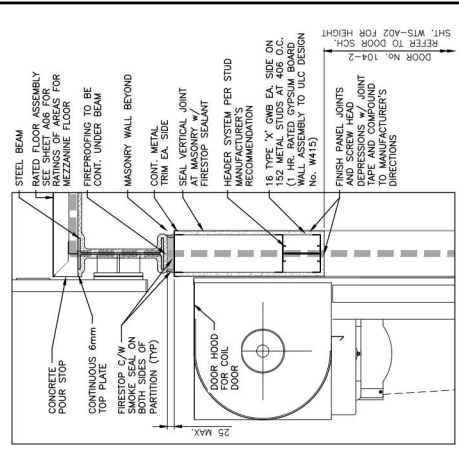
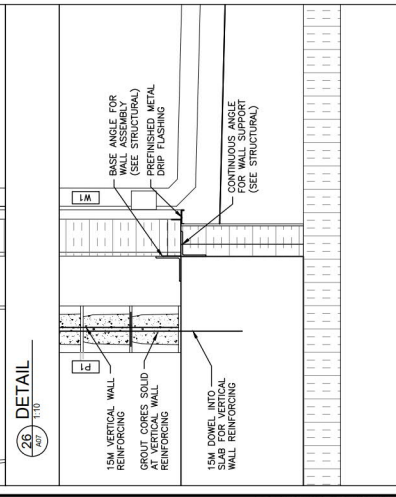
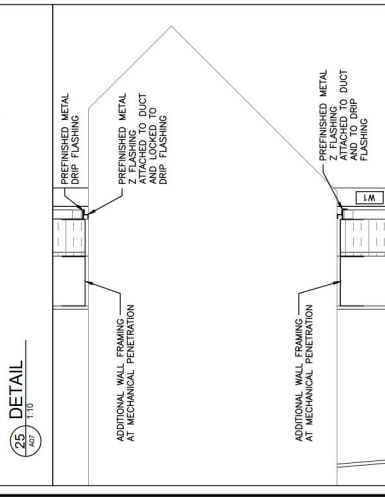
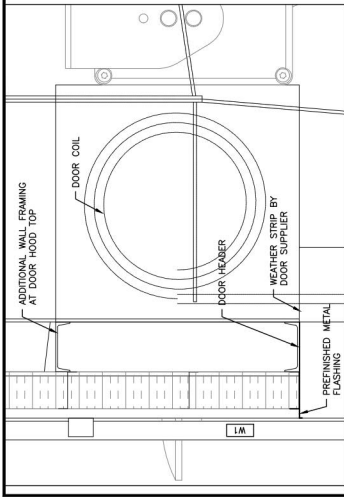
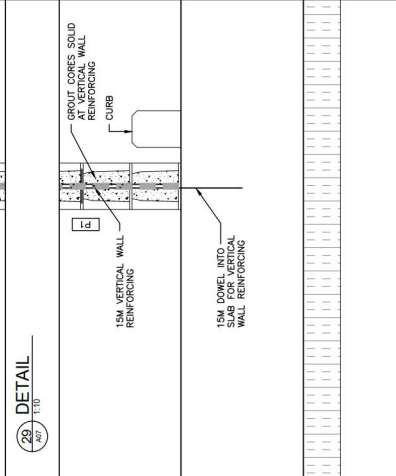
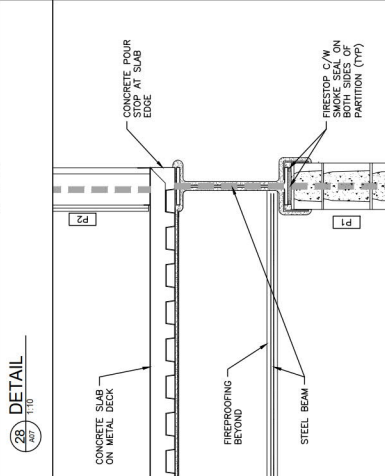
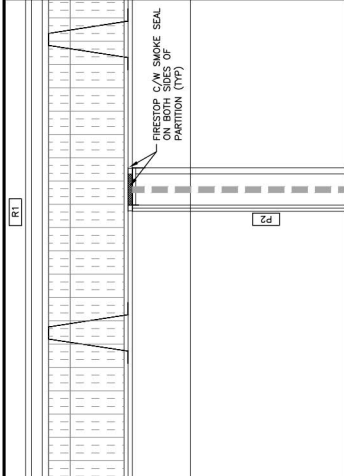
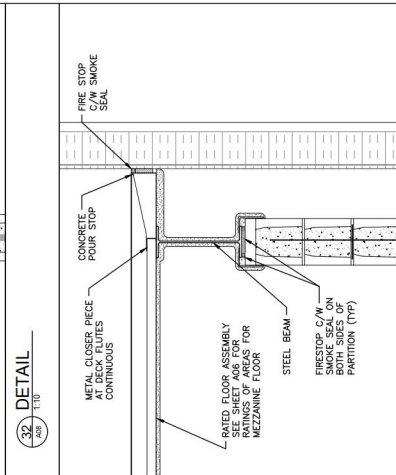
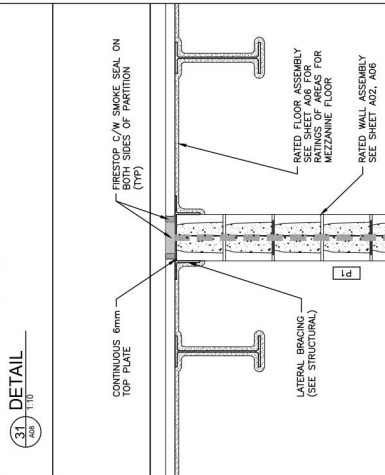
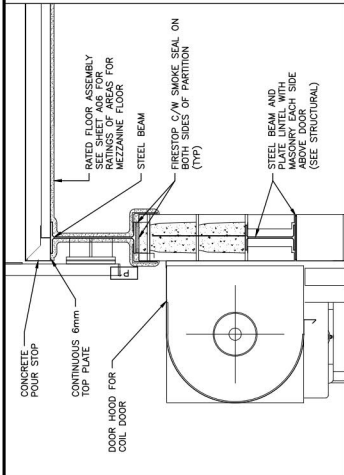
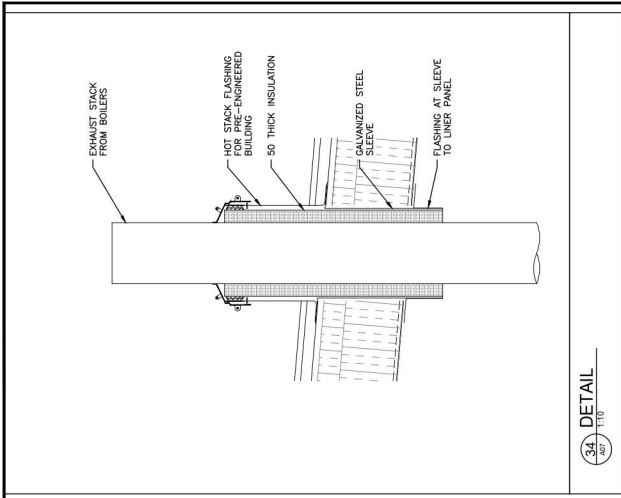
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**DILLON CONSULTING**

19-9543  
WTS-A08



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**DILLON CONSULTING**

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**lqaluit**

**WTS-A09**

**SECTION DETAILS**

**CITY OF QALUIT**

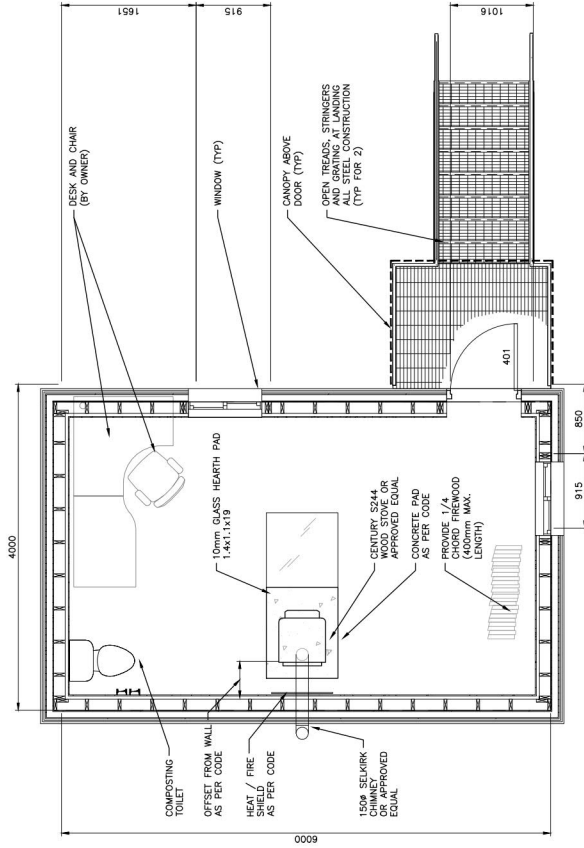
**WASTE TRANSFER STATION**

**19-9543**

**NOVEMBER 2022**

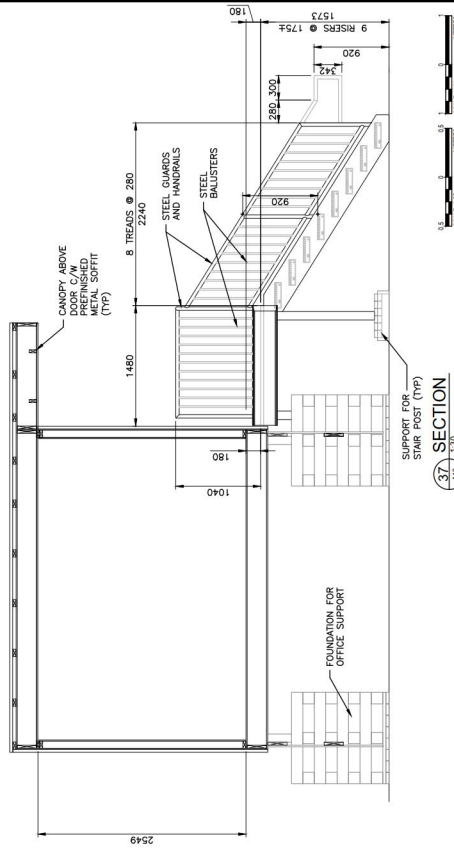






PRE-FABRICATED ATTENDANT BUILDING FLOOR PLAN

NOTE - REFER TO CIVIL DRAWINGS FOR ATTENDANT BUILDING



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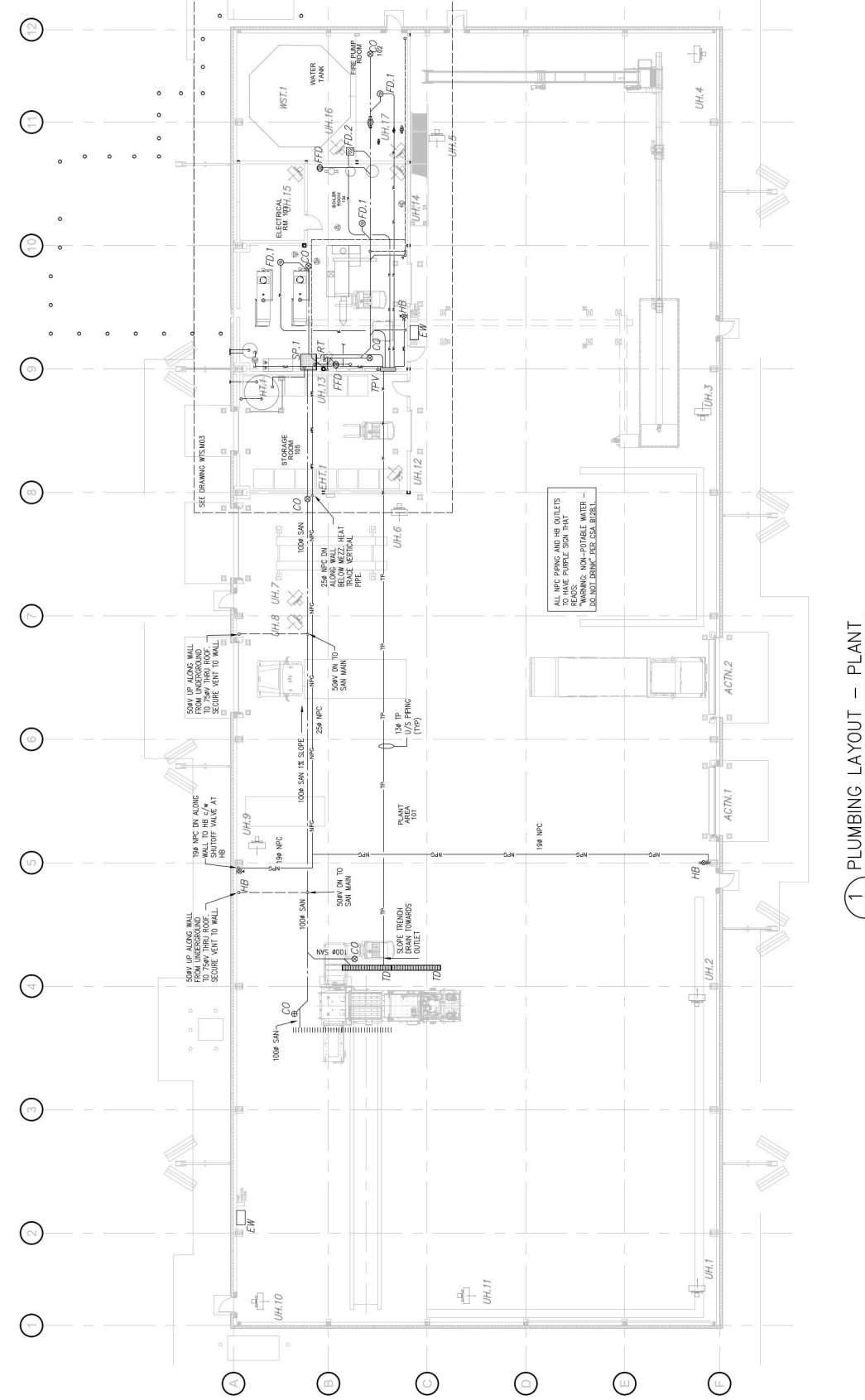
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CITY OF IQUALUIT  
 WASTE TRANSFER STATION  
 PRE-FABRICATED ATTENDANT BUILDING  
 FLOOR PLAN  
 WTS-A12  
 19-9543  
 SCALE 1:20  
 SCALE 1:20  
 SCALE 1:20

### MECHANICAL LEGEND

SYMBOL	DESCRIPTION
(HW)	HOT WATER
(NWC)	NONPOTABLE COLD WATER
(SAN)	SANITARY WASTE LINE
(V)(VENT)	SANITARY VENT
(STORM)(RWL)	SANITARY STORM
(TP)	TRAP PRIMER LINE
(FOS)	FUEL OIL SUPPLY
(FOR)	FUEL OIL RETURN
(GWS)	GLYCOL WATER SUPPLY
(GWR)	GLYCOL WATER RETURN
(HWS)	HEATING WATER SUPPLY
(HWR)	HEATING WATER RETURN
(DN)	PIPE DOWN
(UP)	PIPE UP
(C.O.)	CLEAN OUT
(P)	TRAP
(FD)	FLOOR DRAIN
(FTD)	FUNNEL FLOOR DRAIN
(SFD)	SCUPPER FLOOR DRAIN
(RD)	ROOF DRAIN
(MIN.S)	SAN. VENT THRU ROOF
(HB)	HOSE BIB
(WCI)	PLUMBING FIXTURE
(DESIGNATION)	PLUMBING FIXTURE DESIGNATION
(S)	SHUT-OFF VALVE
(B)	BALL VALVE
(G)	GLOBE VALVE
(R)	PRESS. REDUCING VALVE
(S)	SOLENOID VALVE
(T)	TEMP. & PRESS. RELIEF (TRP) ANGLE
(C)	CHECK VALVE
(B)	BALANCING VALVE
(S)	STRAINER
(C/W)	STRAINER C/W BLOW DOWN VALVE
(B)	BACKFLOW PREVENTER
(V)	PIPE UNION
(V)	VACUUM BREAKER
(T)	THERMOMETER
(P)	PRESSURE GAUGE C/W P/COOK
(A/V)	AUTOMATIC AIR VENT
(M/V)	MANUAL AIR VENT
(P)	CIRCULATOR / PUMP
(S/A)	SUPPLY AIR
(R/A)	RETURN AIR
(E/A)	EXHAUST AIR
(D/A)	OUTSIDE AIR
(B)	BALANCING DAMPER
(M)	MOTORIZED DAMPER
(S/A)	DUCT UP (S/A)
(R/A)	DUCT DOWN (R/A)
(E/A)	DUCT DOWN (E/A)
(W)	DUCT WORK
(A/U)	A/U UNIT HEATING COIL
(V)	VERTICAL FIRE DAMPER
(H)	HORIZONTAL FIRE DAMPER
(F)	FLEXIBLE CONNECTION
(D)	DIFFUSER/GRADE DESIGNATION
(S)	CEILING (S/S) / WALL (S/W) / FLOOR (S/F)
(EQUIPMENT TAG)	EQUIPMENT TAG
(R/N)	ROOM NUMBER



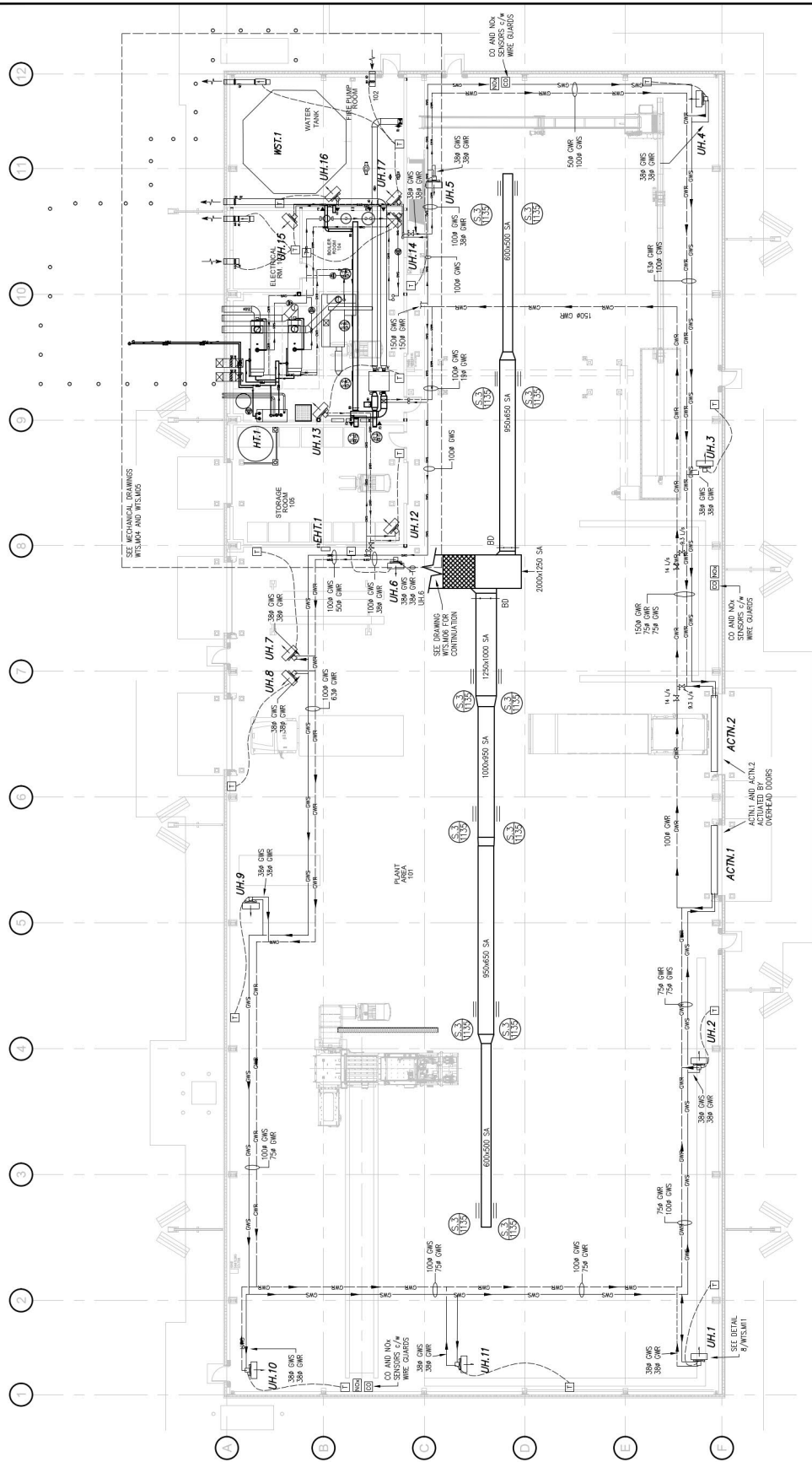
1 PLUMBING LAYOUT - PLANT  
M01 1:125

		<p>RECORD DRAWINGS NOTE: RECORD DRAWINGS INCORPORATE THE ORIGINAL DOCUMENTS AND ALL REVISIONS. THE ORIGINAL DOCUMENTS ARE CALLED FROM THE ORIGINAL DRAWING AND REVISION RECORD DRAWING SUBMISSIONS. THE DRAWINGS REPRESENT THE INDICATIVE OF THE SITE CONDITIONS AT THE TIME AND DO NOT REPRESENT THE ACTUAL SITE CONDITIONS. THE OWNER SHALL BE RESPONSIBLE FOR THE SITE CONDITIONS. UNLESS INDICATED OTHERWISE.</p>		<p>PROJECT NO. 19-9543</p>
				<p>CITY OF IQALUIT WASTE TRANSFER STATION</p>
<p>MECHANICAL LAYOUT - PLUMBING</p>		<p>PROJECT NO. WTS.M01</p>	<p>DATE: OCT 08 2022</p>	
<p>1:125</p>		<p>DATE: OCT 08 2022</p>	<p>NOTED</p>	

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than that intended without the written permission from Dillon Consulting Limited.

### MECHANICAL LEGEND

SYMBOL	DESCRIPTION	(HW)
—	HOT WATER	(HW)
—	NONPOTABLE COLD WATER (NCP)	(NCP)
—	SANITARY WASTE LINE (SAN)	(SAN)
—	SANITARY VENT (VAL/VENT)	(VAL/VENT)
—	SANITARY STORM (STORM/WR)	(STORM/WR)
—	TRAP PRIMER LINE (TP)	(TP)
—	FUEL OIL SUPPLY (FOS)	(FOS)
—	FUEL OIL RETURN (FOR)	(FOR)
—	GLYCOL WATER SUPPLY (GWS)	(GWS)
—	GLYCOL WATER RETURN (GWR)	(GWR)
—	HEATING WATER SUPPLY (HWS)	(HWS)
—	HEATING WATER RETURN (HWR)	(HWR)
—	PIPE UP (UP)	(UP)
—	PIPE DOWN (DN)	(DN)
—	CLEAN OUT (C.O.)	(C.O.)
—	SAN. WASTE "P" TRAP (PT)	(PT)
—	FLOOR DRAIN (FD)	(FD)
—	FUNNEL FLOOR DRAIN (FFD)	(FFD)
—	SCUPPER FLOOR DRAIN (SFD)	(SFD)
—	ROOF DRAIN (RD)	(RD)
—	SAN. VENT THRU ROOF (MIN. 5')	(MIN. 5')
—	HOSE BIB (HB)	(HB)
—	PLUMBING FIXTURE DESIGNATION	
—	SHUT-OFF VALVE	
—	BALL VALVE	
—	GLOBE VALVE	
—	PRESS. REDUCING VALVE (PRV)	
—	SOLenoid VALVE	
—	TEMP. & PRESS. RELIEF (TRP) ANGLE	
—	CHECK VALVE	
—	BALANCING VALVE	
—	STRAINER	
—	STRAINER C/W BLOW DOWN VALVE	
—	BACKFLOW PREVENTER	
—	PIPE UNION	
—	VACUUM BREAKER	
—	THERMOMETER	
—	PRESSURE GAUGE C/W P/T COOK	
—	AUTOMATIC AIR VENT (AAV)	
—	MANUAL AIR VENT (MAV)	
—	CIRCULATOR / PUMP	
—	THERMOSTAT (ELECTRONIC)	
—	SUPPLY AIR	
—	EXHAUST AIR	
—	OUTSIDE AIR	
—	BALANCING DAMPER (BD)	
—	MOTORIZED DAMPER	
—	DUCT OFFSET	
—	DUCT UP (S/A)	
—	DUCT DOWN (S/A)	
—	DUCT DOWN (R/A or E/A)	
—	DUCT WORK	
—	A/A UNIT HEATING COIL	
—	VERTICAL FIRE DAMPER (FD)	
—	HORIZONTAL FIRE DAMPER (FD)	
—	FLEXIBLE CONNECTION	
—	DIFFUSER/GRAPE DESIGNATION	
—	CEILING (S/S) / SHIELD (S/S) (S/S) (S/S)	
—	EQUIPMENT TAG	
—	ROOM NUMBER	



1 HVAC LAYOUT - PLANT  
M02 1:125

			<b>CITY OF IQALUIT</b> <b>WASTE TRANSFER STATION</b>  <b>MECHANICAL LAYOUT - HVAC</b>																																																																	
<p><b>RECORD DRAWINGS NOTE:</b>          RECORD DRAWINGS INCORPORATE THE ORIGINAL DOCUMENTS          SUBMITTED TO THE CITY OF IQALUIT FOR REVIEW AND APPROVAL.          DRAWING SUBMISSIONS, THE DRAWINGS REPRESENT THE          INDICATIVE OF THE SITE CONDITIONS AT THE TIME NO          CHANGES OR CORRECTIONS WERE MADE TO THE SITE CONDITIONS WAS          MADE FOR THE RECORD DRAWING.</p>		<p><b>CONDITIONS OF USE</b>          Verify dimensions and/or elevations on drawing prior to use.          Report any discrepancies to Dillon Consulting Limited.          Do not make dimensions from drawing.          Do not modify drawing in any way, or use for purposes other          than those intended, without the written permission from Dillon Consulting Limited.</p>																																																																		
<p><b>REVISIONS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>CHKD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>2</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>3</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>4</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>5</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>6</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>7</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>8</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>9</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>10</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>11</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> <tr> <td>12</td> <td>2023/07/14</td> <td>ISSUED FOR PERMITS</td> <td>DP</td> <td></td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION	BY	CHKD	1	2023/07/14	ISSUED FOR PERMITS	DP		2	2023/07/14	ISSUED FOR PERMITS	DP		3	2023/07/14	ISSUED FOR PERMITS	DP		4	2023/07/14	ISSUED FOR PERMITS	DP		5	2023/07/14	ISSUED FOR PERMITS	DP		6	2023/07/14	ISSUED FOR PERMITS	DP		7	2023/07/14	ISSUED FOR PERMITS	DP		8	2023/07/14	ISSUED FOR PERMITS	DP		9	2023/07/14	ISSUED FOR PERMITS	DP		10	2023/07/14	ISSUED FOR PERMITS	DP		11	2023/07/14	ISSUED FOR PERMITS	DP		12	2023/07/14	ISSUED FOR PERMITS	DP		<p><b>PROJECT NO.</b> 19-9543  <b>DATE</b> 19/08/2022  <b>SCALE</b> AS SHOWN  <b>NOTED</b></p>	
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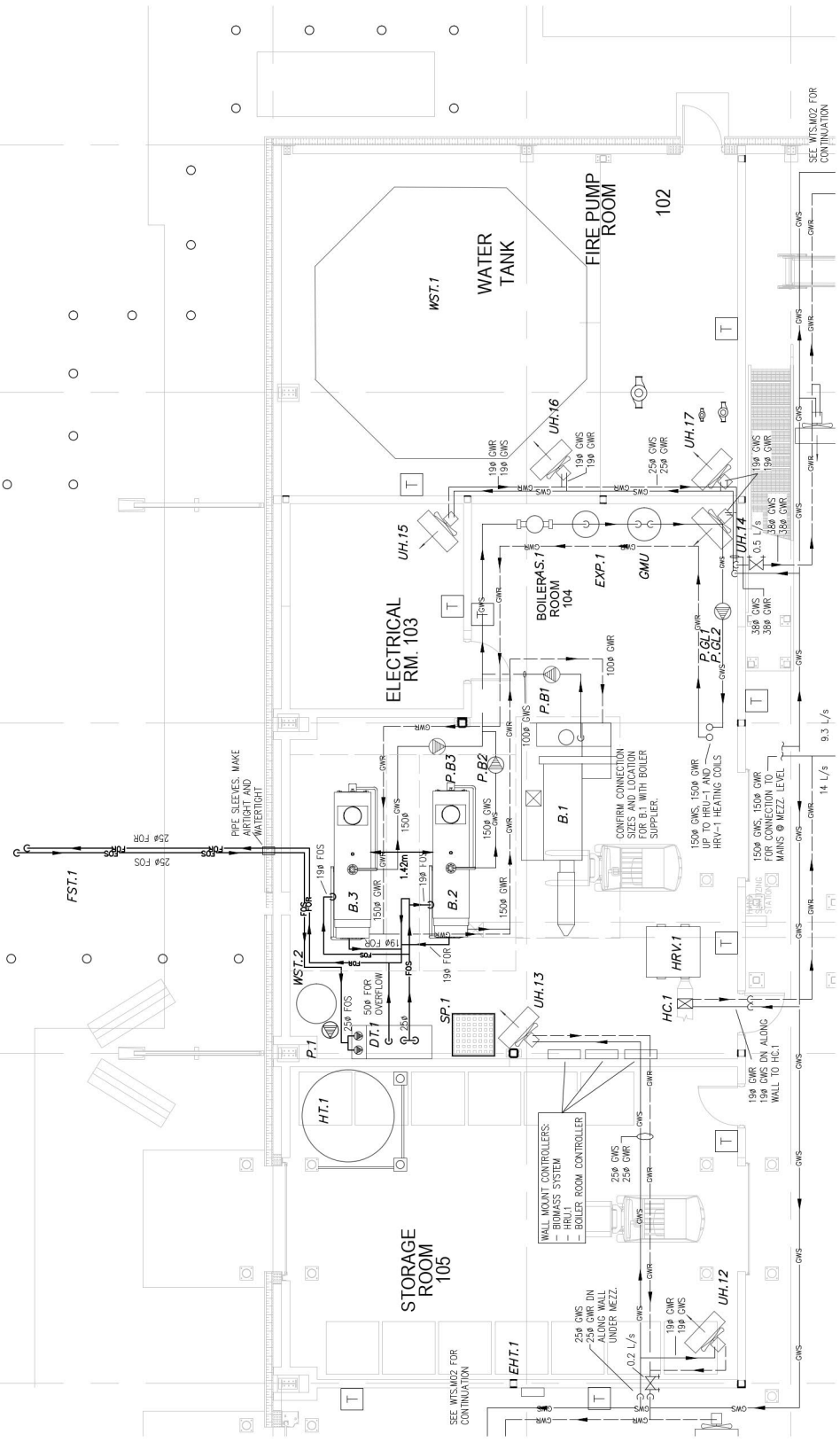
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1 HVAC PIPING LAYOUT – BOILER ROOM  
M04 1:50

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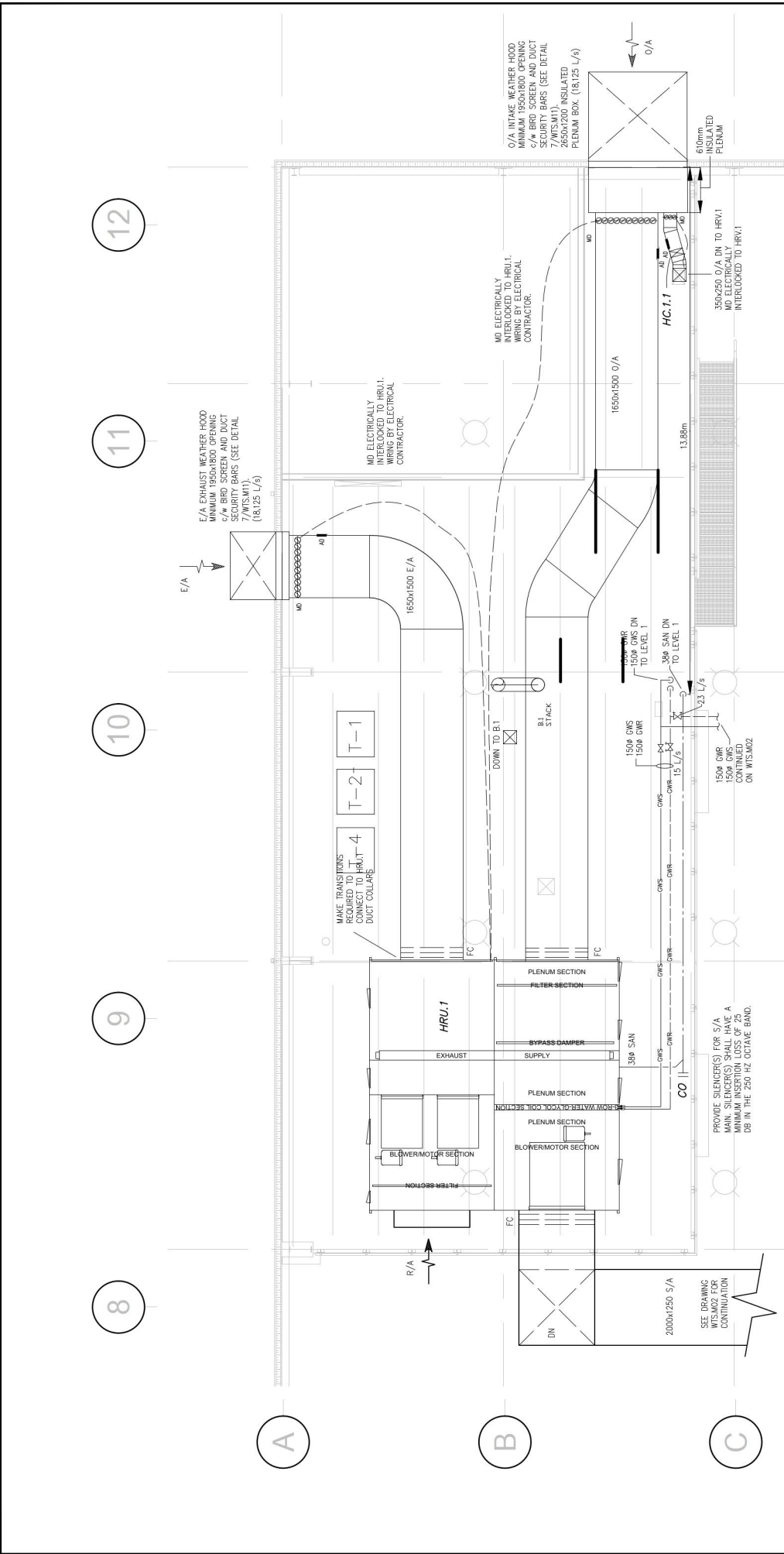


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2	ISSUED FOR CONSTRUCTION	2022/07/14	GH	GH	GH	2022/07/14	ISSUED FOR CONSTRUCTION
3	ADDITIONAL REVISION	2022/07/14	GH	GH	GH	2022/07/14	ADDITIONAL REVISION
4	REVISION	2022/07/14	GH	GH	GH	2022/07/14	REVISION
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6	REVISION	2022/07/14	GH	GH	GH	2022/07/14	REVISION
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11	REVISION	2022/07/14	GH	GH	GH	2022/07/14	REVISION
12	REVISION	2022/07/14	GH	GH	GH	2022/07/14	REVISION

CITY OF IQUALUIT  
 WASTE TRANSFER STATION  
 LARGE SCALE BOILER ROOM  
 HVAC PIPING LAYOUT

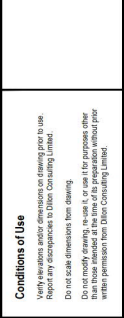
PROJECT NO.  
 19-9543  
 WTS.M04

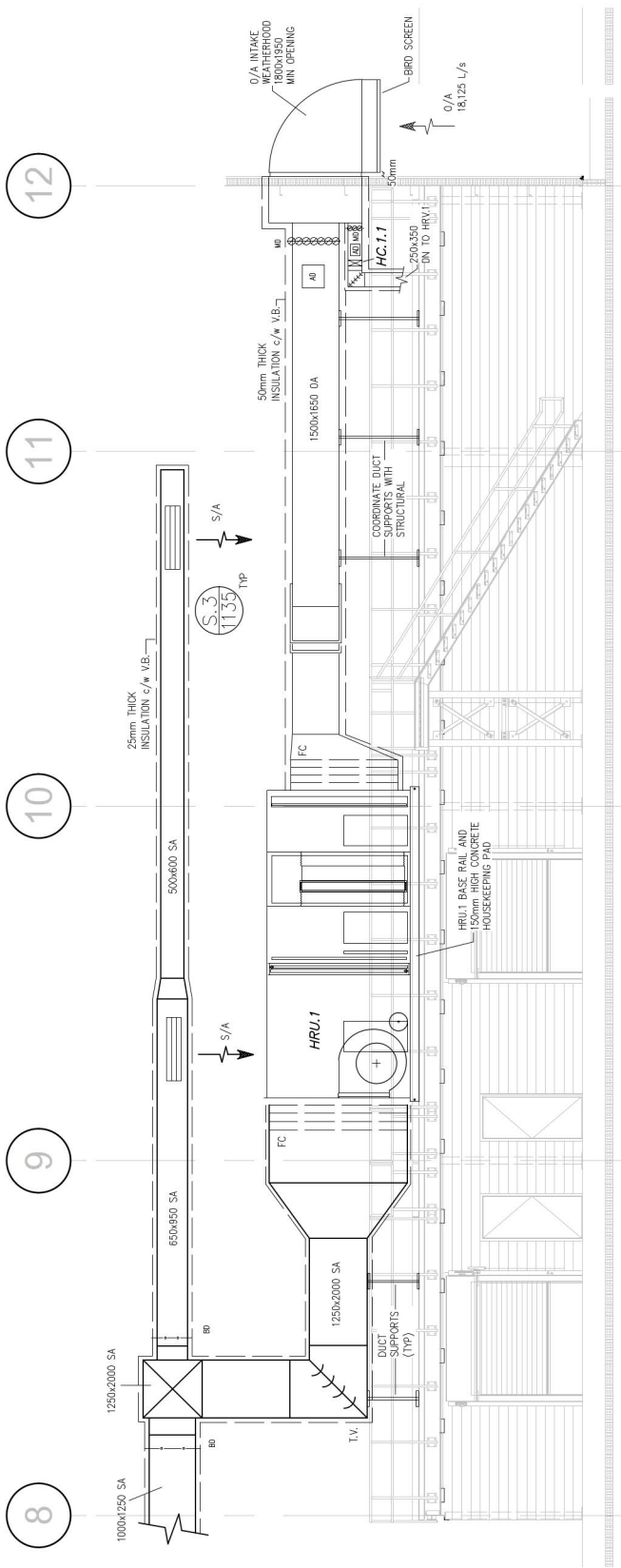




1 MECHANICAL LAYOUT - MEZZANINE  
M06 1:50

<p><b>Conditions of Use</b></p> <p>Verify all dimensions and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited. Do not scale dimensions from drawing. Do not modify drawing to use it, or use it for purposes other than those intended. Written permission from Dillon Consulting Limited.</p>	<p><b>RECORD DRAWING NOTE:</b></p> <p>RECORD DRAWINGS INCORPORATE THE ORIGINAL DOCUMENTS AND DRAWINGS. THE DRAWINGS REPRESENT THE PRODUCTION OF THE SITE CONDITIONS AT THE TIME AND PLACE INDICATED ON THE DRAWING. THE SITE CONDITIONS MAY VARY FROM THE INFORMATION PROVIDED ON THE DRAWING. THE SITE CONDITIONS MAY VARY FROM THE INFORMATION PROVIDED ON THE DRAWING.</p>	<p><b>RECORD DRAWING NOTE:</b></p> <p>RECORD DRAWINGS INCORPORATE THE ORIGINAL DOCUMENTS AND DRAWINGS. THE DRAWINGS REPRESENT THE PRODUCTION OF THE SITE CONDITIONS AT THE TIME AND PLACE INDICATED ON THE DRAWING. THE SITE CONDITIONS MAY VARY FROM THE INFORMATION PROVIDED ON THE DRAWING. THE SITE CONDITIONS MAY VARY FROM THE INFORMATION PROVIDED ON THE DRAWING.</p>	<p><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>CHKD.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>2</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>3</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>4</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>5</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>6</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>7</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>8</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>9</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>10</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>11</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>12</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE	BY	CHKD.	1	ISSUED FOR PERMIT	2023/11/04	MS	MS	2	ISSUED FOR PERMIT	2023/11/04	MS	MS	3	ISSUED FOR PERMIT	2023/11/04	MS	MS	4	ISSUED FOR PERMIT	2023/11/04	MS	MS	5	ISSUED FOR PERMIT	2023/11/04	MS	MS	6	ISSUED FOR PERMIT	2023/11/04	MS	MS	7	ISSUED FOR PERMIT	2023/11/04	MS	MS	8	ISSUED FOR PERMIT	2023/11/04	MS	MS	9	ISSUED FOR PERMIT	2023/11/04	MS	MS	10	ISSUED FOR PERMIT	2023/11/04	MS	MS	11	ISSUED FOR PERMIT	2023/11/04	MS	MS	12	ISSUED FOR PERMIT	2023/11/04	MS	MS	<p><b>REVISIONS</b></p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> <th>CHKD.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>2</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>3</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>4</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>5</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>6</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>7</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>8</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>9</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>10</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>11</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> <tr> <td>12</td> <td>ISSUED FOR PERMIT</td> <td>2023/11/04</td> <td>MS</td> <td>MS</td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE	BY	CHKD.	1	ISSUED FOR PERMIT	2023/11/04	MS	MS	2	ISSUED FOR PERMIT	2023/11/04	MS	MS	3	ISSUED FOR PERMIT	2023/11/04	MS	MS	4	ISSUED FOR PERMIT	2023/11/04	MS	MS	5	ISSUED FOR PERMIT	2023/11/04	MS	MS	6	ISSUED FOR PERMIT	2023/11/04	MS	MS	7	ISSUED FOR PERMIT	2023/11/04	MS	MS	8	ISSUED FOR PERMIT	2023/11/04	MS	MS	9	ISSUED FOR PERMIT	2023/11/04	MS	MS	10	ISSUED FOR PERMIT	2023/11/04	MS	MS	11	ISSUED FOR PERMIT	2023/11/04	MS	MS	12	ISSUED FOR PERMIT	2023/11/04	MS	MS	<p><b>PROJECT DATA</b></p> <p>CITY OF IQUALUIT WASTE TRANSFER STATION</p> <p>PROJECT NO. 19-9543</p>	<p><b>MECHANICAL LAYOUT - MEZZANINE</b></p> <p>WTS.M06</p>
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1 MECHANICAL SECTION - MEZZANINE  
 W07 1:50

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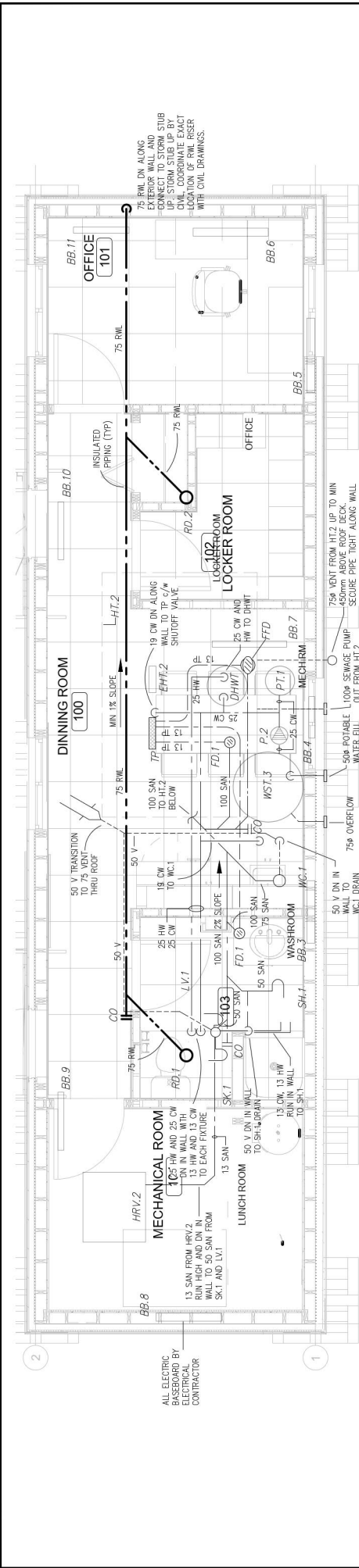
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**CITY OF IQALUIT**  
**WASTE TRANSFER STATION**

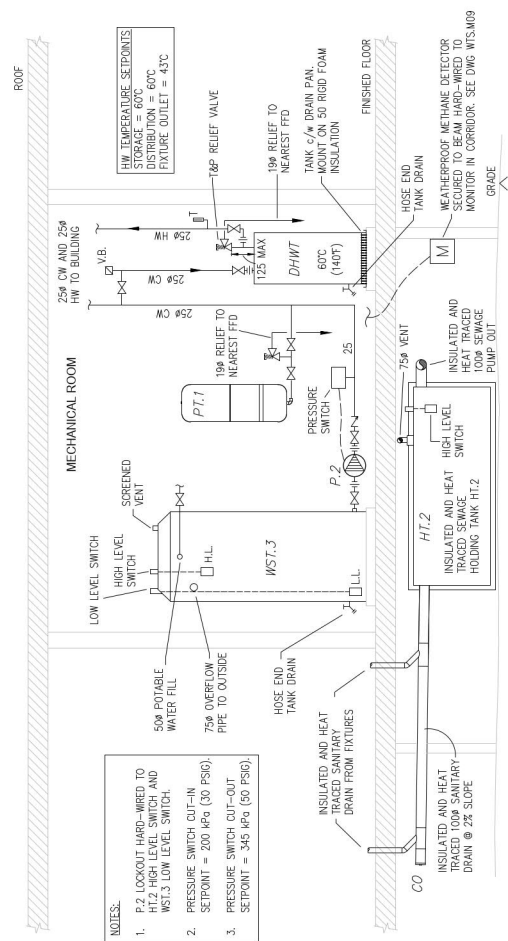
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PROJECT NO: 19-9543  
 SHEET NO: WTS.M07

DATE: OCT 19 2022  
 SCALE: NOTED

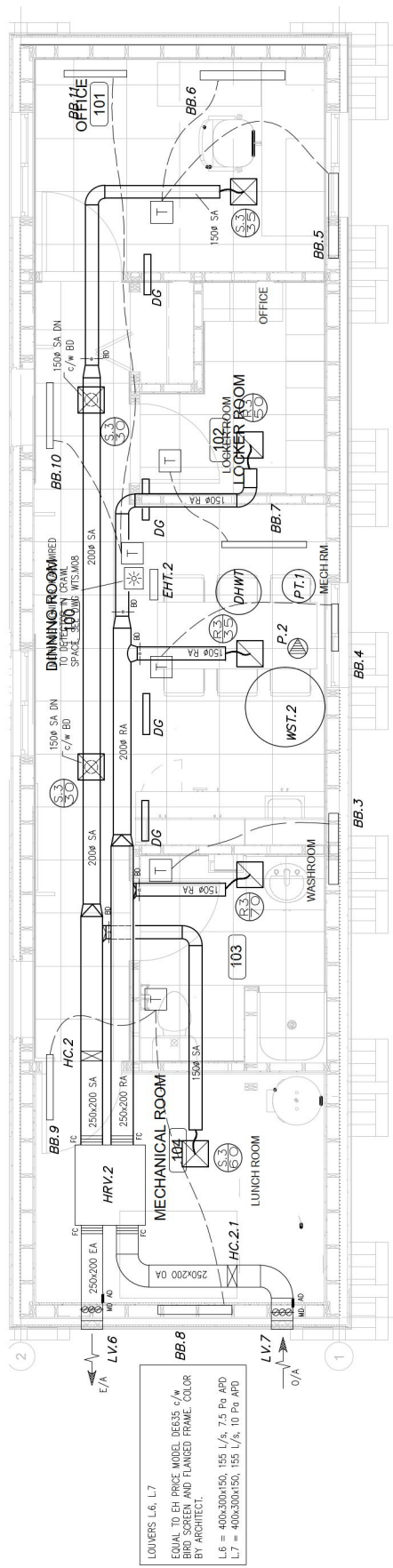


**1 PLUMBING LAYOUT - SITE OFFICE**  
 WOB 1:25

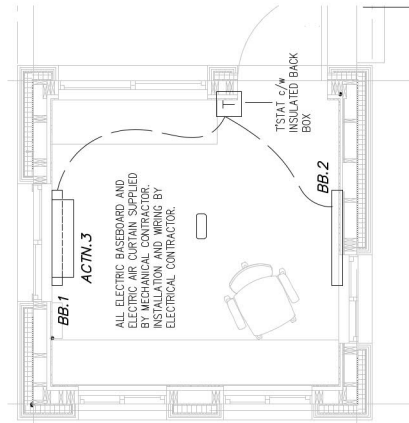


**2 PLUMBING SECTION - SITE OFFICE**  
 WOB 1:25

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<p><b>City of Iqaluit</b></p> <p><b>WASTE TRANSFER STATION</b></p>	<p>PROJECT NO.</p> <p><b>19-9543</b></p>	<p>DATE</p> <p><b>OCT 08 2022</b></p>	<p>BY</p> <p><b>NOTED</b></p>	<p>NO. 1</p>	<p>DATE</p>
<p><b>SITE OFFICE - PLUMBING LAYOUT</b></p>		<p>PROJECT NO.</p> <p><b>WTS.M08</b></p>	<p>DATE</p>	<p>BY</p>	<p>REVISION</p>

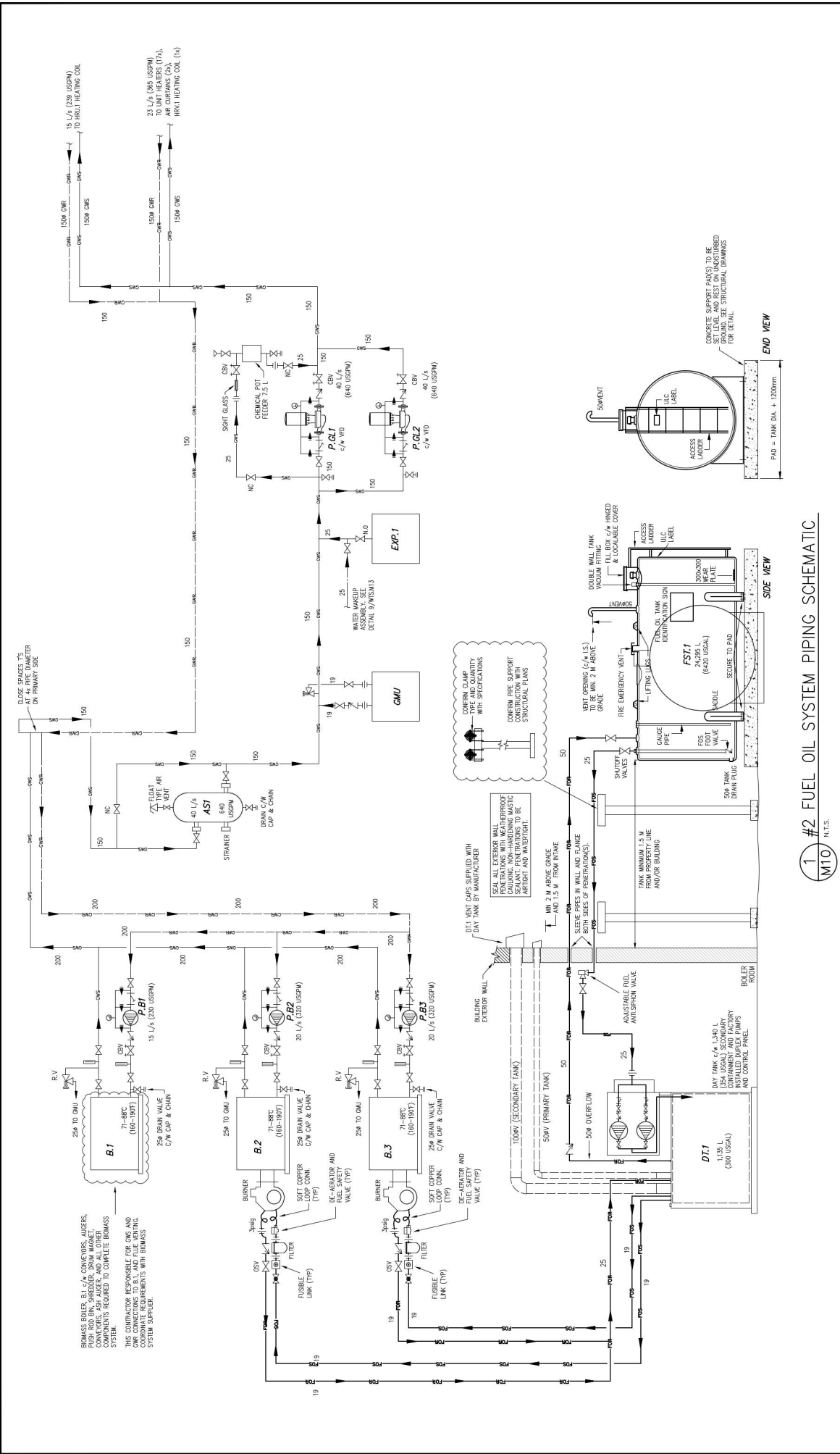


1 HVAC LAYOUT - SITE OFFICE  
 M09 1:25



2 MECHANICAL LAYOUT - SCALE HOUSE  
 M09 1:25

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**PROJECT INFORMATION:**

CITY OF IQALUIT  
 WASTE TRANSFER STATION

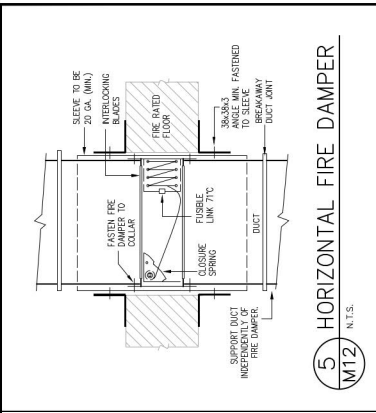
**HYDRONIC HEATING SYSTEM  
 FLOW DIAGRAM**

PROJECT NO: 19-9543

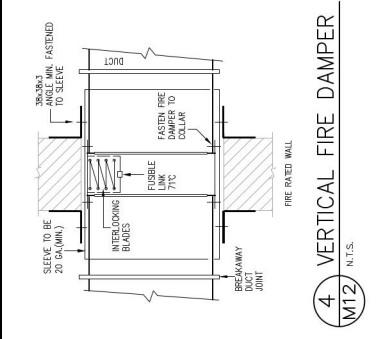
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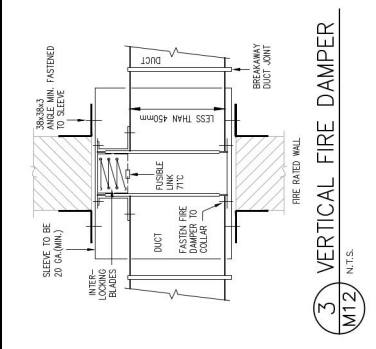




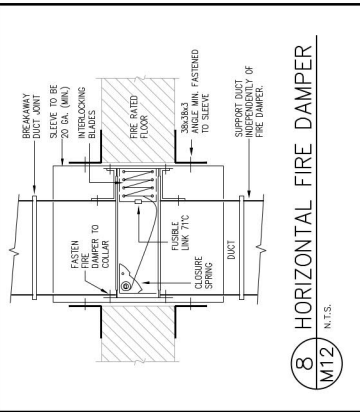
5 HORIZONTAL FIRE DAMPER  
M12 N.T.S.



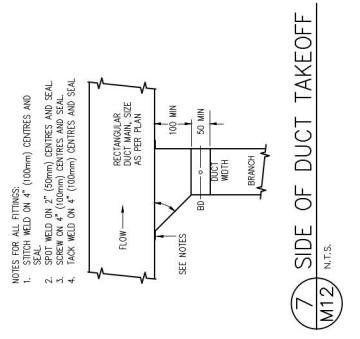
4 VERTICAL FIRE DAMPER  
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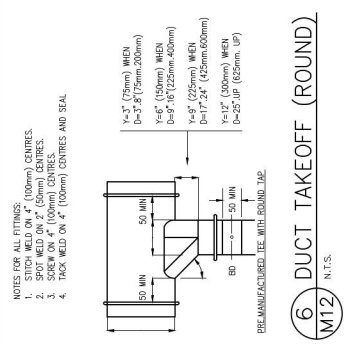
3 VERTICAL FIRE DAMPER  
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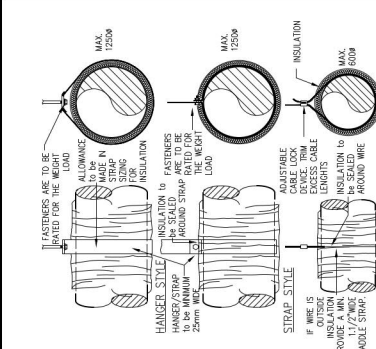
8 HORIZONTAL FIRE DAMPER  
M12 N.T.S.



7 SIDE OF DUCT TAKEOFF  
M12 N.T.S.



6 DUCT TAKEOFF (ROUND)  
M12 N.T.S.



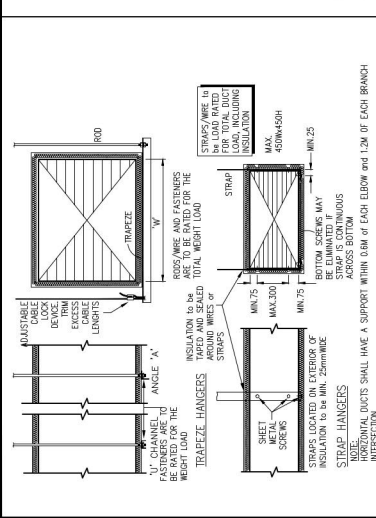
2 RD. DUCT SUPPORT  
M12 N.T.S.

NOTES FOR ALL FITTINGS

1. SPOT WELD ON 4" (100mm) CENTRES AND SEAL.
2. SPOT WELD ON 2" (50mm) CENTRES.
3. SOW WELD ON 4" (100mm) CENTRES AND SEAL.
4. TACK WELD ON 4" (100mm) CENTRES AND SEAL.

HANGER STRAPS or RODS	MAX. DUCT IN. (mm)	QUANTITY/SIZE	MAX. LOAD LBS. (kg)	MAX. SPACING IN. (mm)
4" x 4" (100x100)	10 (254)	1 (1) 2" x 2" x 2" STRAP	260 (118)	120" (3000)
2" x 2" (50x50)	4 (100)	1 (1) 2" x 2" x 2" STRAP	420 (190)	120" (3000)
2" x 2" (50x50)	4 (100)	1 (1) 2" x 2" x 2" STRAP	700 (315)	120" (3000)
2" x 2" (50x50)	4 (100)	1 (1) 2" x 2" x 2" STRAP	1000 (450)	120" (3000)
2" x 2" (50x50)	4 (100)	1 (1) 2" x 2" x 2" STRAP	1500 (680)	96" (2400)
2" x 2" (50x50)	4 (100)	1 (1) 2" x 2" x 2" STRAP	2500 (1133)	96" (2400)

NOTE: HORIZONTAL DUCTS SHALL HAVE A SUPPORT WITHIN 0.6M OF EACH ELBOW and 1.2M OF EACH BRANCH INTERSECTION.



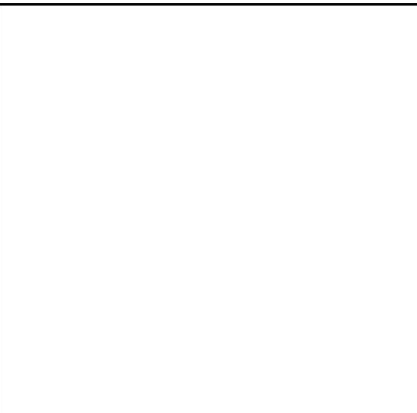
1 SQ. DUCT SUPPORT  
M12 N.T.S.

NOTES FOR ALL FITTINGS

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NOTE: HORIZONTAL DUCTS SHALL HAVE A SUPPORT WITHIN 0.6M OF EACH ELBOW and 1.2M OF EACH BRANCH INTERSECTION.



10 WALL PIPE SUPPORT  
M12 N.T.S.



9 TYPICAL PIPE SUPPORT  
M12 N.T.S.



1 SQ. DUCT SUPPORT  
M12 N.T.S.

RECORD DRAWINGS

RECORD DRAWINGS INCORPORATE THE ORIGINAL DOCUMENTS CALLED FROM THE ORIGINAL DRAWING AND REVISION RECORD. THE DRAWINGS REPRESENT THE INDICATIVE OF THE SITE CONDITIONS AT THE TIME AND UNDER THE ASSUMPTIONS OF THE DESIGNER. THE DESIGNER DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREIN.

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PROJECT NO: 19-9543  
CLIENT: CITY OF IQALUIT  
WASTE TRANSFER STATION  
MECHANICAL DETAILS  
WTS M12

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PROJECT NO: 19-9543  
CLIENT: CITY OF IQALUIT  
WASTE TRANSFER STATION  
MECHANICAL DETAILS  
WTS M12

Conditions of Use  
Verify dimensions and/or dimensions on drawing prior to use.  
Report any discrepancies to Dilson Consulting Limited.  
Do not modify drawing or use it for any purpose other than that intended without the written permission from Dilson Consulting Limited.





MECHANICAL LEGEND

Table with columns: SYMBOL, DESCRIPTION, UNIT. Includes symbols for air conditioning, heating, piping, and electrical components.

PUMP SCHEDULE

Table with columns: TAG, MANUF., MODEL, LOCATION, TYPE, SERVICE, etc. Lists various pumps and their specifications.

BOILER SCHEDULE

Table with columns: TAG, MANUF., MODEL, LOCATION, TYPE, SERVICE, etc. Lists boiler units and their details.

EXPANSION TANK SCHEDULE

Table with columns: TAG, MANUF., MODEL, LOCATION, TYPE, SERVICE, etc. Lists expansion tanks and their specifications.

HEATING EQUIPMENT

Table with columns: TAG, DESCRIPTION, COMMENTS. Lists various heating equipment items.

PLUMBING EQUIPMENT

Table with columns: TAG, DESCRIPTION, COMMENTS. Lists plumbing equipment items.

HEATING COIL (H/C) SCHEDULE

Table with columns: TAG, LOCATION, TYPE, MANUF., MODEL, etc. Lists heating coils and their specifications.

ELECTRIC BASEBOARD HEAT SCHEDULE

Table with columns: TAG, LOCATION, MANUF., MODEL, etc. Lists electric baseboard heaters.

DIFFUSER / GRILLE SCHEDULE

Table with columns: TAG, LOCATION, MANUF., MODEL, etc. Lists diffusers and grilles.

ELECTRIC HEAT TRACING SCHEDULE

Table with columns: TAG, LOCATION, MANUF., MODEL, etc. Lists electric heat tracing systems.

PIPE INSULATION SCHEDULE

Table with columns: TAG, LOCATION, SERVICE, INSULATION, etc. Lists pipe insulation details.

TANK SCHEDULE

Table with columns: TAG, LOCATION, TYPE, MANUF., MODEL, etc. Lists various tanks.

ROOF DRAIN SCHEDULE

Table with columns: TAG, LOCATION, SIZE, AREA, etc. Lists roof drain specifications.

PLUMBING FIXTURE SCHEDULE

Table with columns: TAG, DESCRIPTION, MANUF./MODEL, etc. Lists plumbing fixtures.

UNIT HEATER SCHEDULE

Table with columns: TAG, LOCATION, MANUF., MODEL, etc. Lists unit heaters.

AIR CURTAIN SCHEDULE

Table with columns: TAG, LOCATION, MANUF., MODEL, etc. Lists air curtain units.

DUCT INSULATION SCHEDULE

Table with columns: TAG, LOCATION, SERVICE, INSULATION, etc. Lists duct insulation details.

RETURN & EXHAUST FAN SCHEDULE

Table with columns: TAG, LOCATION, TYPE, MANUF., MODEL, etc. Lists return and exhaust fans.

AIR HANDLING UNIT (AHU) SCHEDULE

Table with columns: TAG, LOCATION, TYPE, MANUF., MODEL, etc. Lists air handling units.

PLUMBING EQUIPMENT

Table with columns: TAG, DESCRIPTION, COMMENTS. Lists plumbing equipment items.

MECHANICAL LEGEND

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BOILER SCHEDULE

Table with columns: TAG, MANUF., MODEL, LOCATION, TYPE, SERVICE, etc. Lists boiler units and their details.

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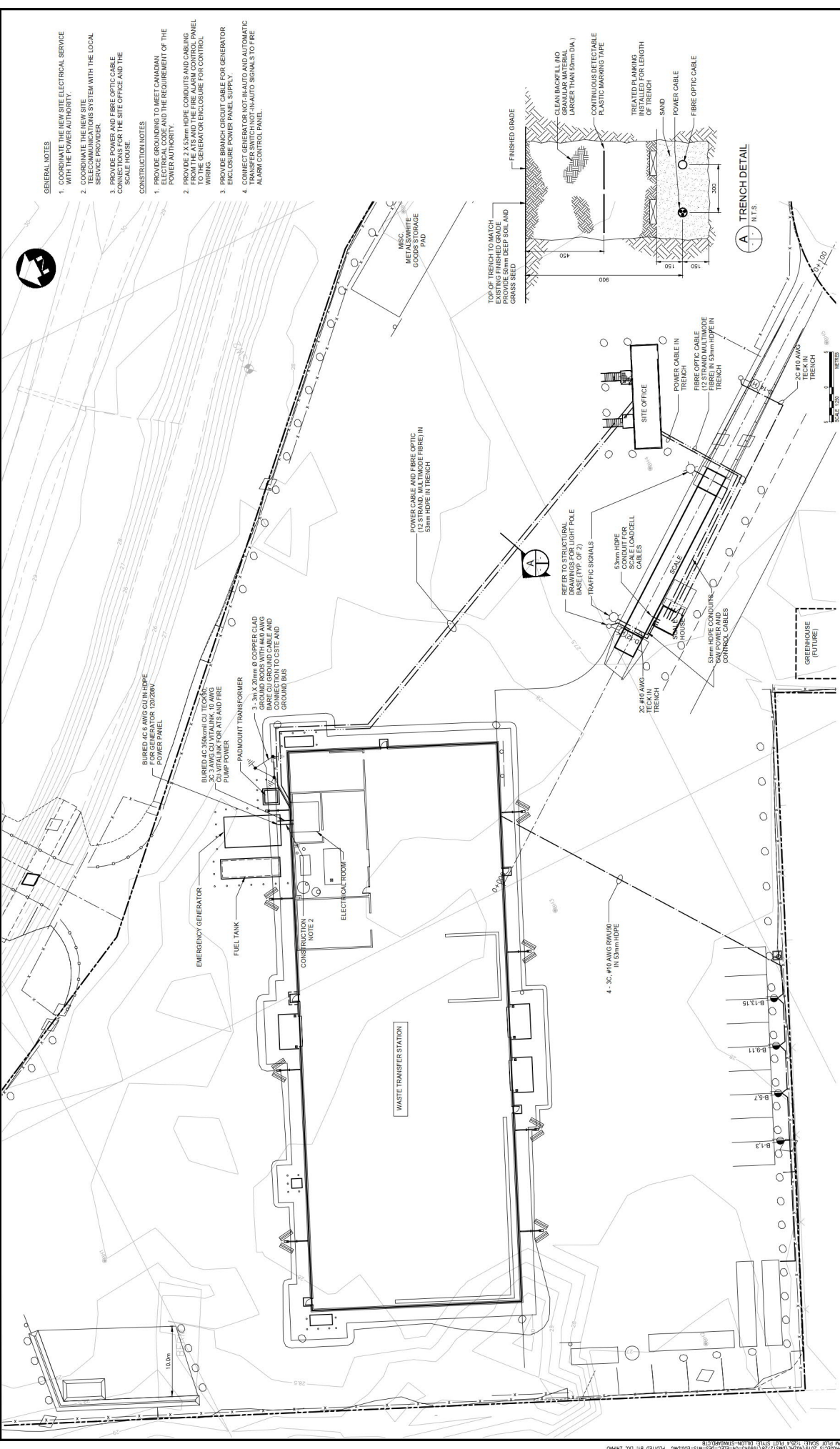
PLUMBING EQUIPMENT

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Conditions of Use section with text regarding drawing accuracy and liability.

Logos for Iqaluit and DILLON CONSULTING.

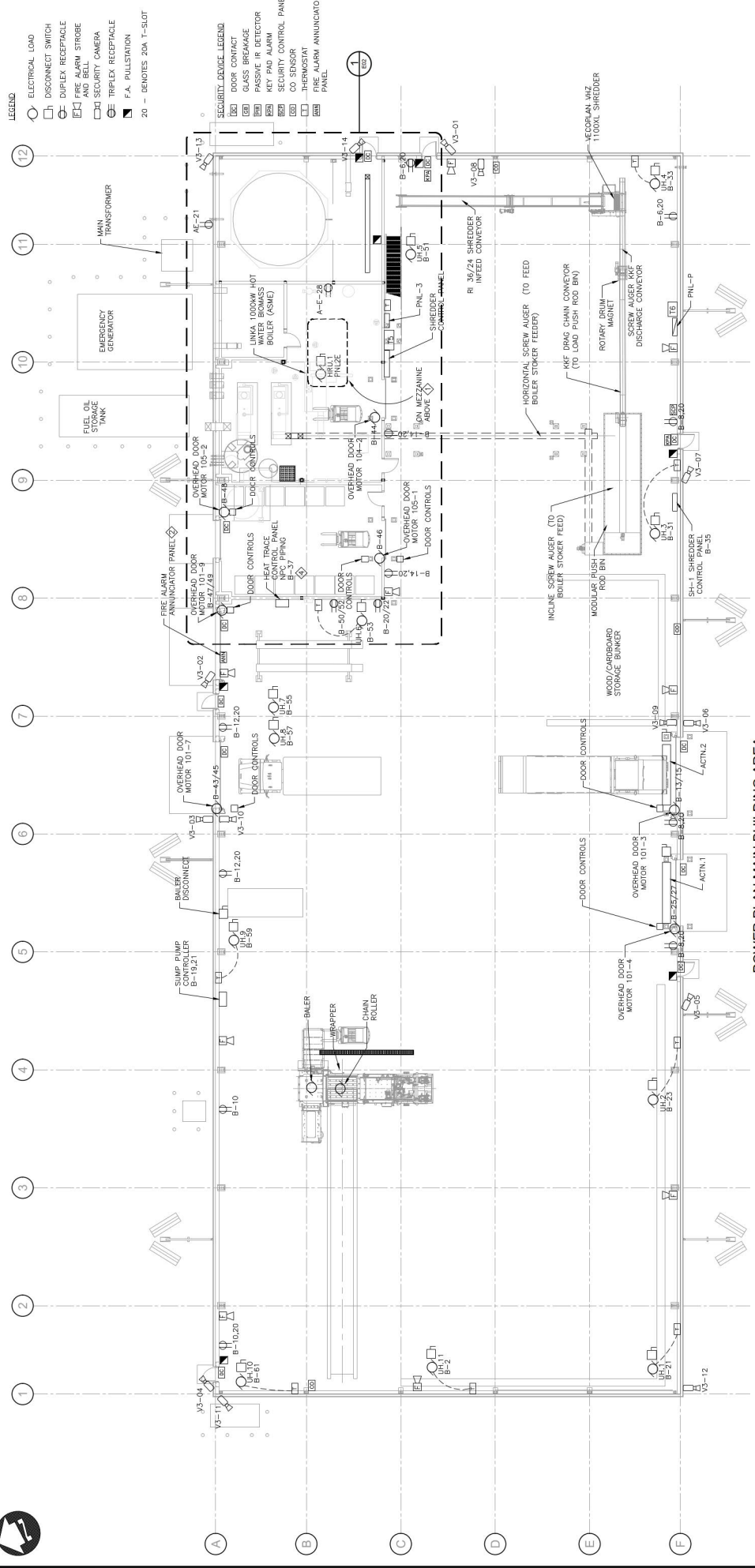
Project information including CITY OF IQALUIT, WASTE TRANSFER STATION, WTS.M15, and WTS.M15 SCHEDULES.



- GENERAL NOTES**
- COORDINATE THE NEW SITE ELECTRICAL SERVICE WITH THE POWER AUTHORITY.
  - COORDINATE THE NEW SITE CABLES SYSTEM WITH THE LOCAL SERVICE PROVIDER.
  - PROVIDE POWER AND FIBRE OPTIC CABLE CONNECTIONS FOR THE SITE OFFICE AND THE SCALE HOUSE.
- CONSTRUCTION NOTES**
- PROVIDE GROUNDING TO MEET CANADIAN ELECTRICAL CODE AND THE REQUIREMENT OF THE POWER AUTHORITY.
  - PROVIDE 2 X 53mm HDPE CONDUITS AND CABLING TO THE GENERATOR ENCLOSURE FOR CONTROL WIRING.
  - PROVIDE BRANCH CIRCUIT CABLE FOR GENERATOR ENCLOSURE POWER PANEL SUPPLY.
  - CONNECT GENERATOR NOT-IN-AUTO AND AUTOMATIC START/STOP AND AUTO SIGNALS TO FIBRE OPTIC CONTROL PANEL.

<b>RECORD DRAWING</b> This record document has been recorded based on the information furnished by the contractor. Dillon Consulting and this is not responsible for the accuracy of the information that may have been incorporated into it as it is the contractor's responsibility to obtain independent verification of the accuracy before accepting it for any purpose.		ORIGINALLY DESIGNED BY: <b>B.L. MOORE</b> ON NOV 4, 2022		<b>CONDITIONS OF USE</b> Verify dimensions and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited. Do not scale dimensions from drawing. Do not modify drawing re-use it, or use it for purposes other than those intended without the written permission of Dillon Consulting Limited.	
<b>PROJECT NO:</b> 19-9543 <b>DATE:</b>		<b>CITY OF IQALUIT</b> <b>WASTE TRANSFER STATION</b>		<b>NO. OF SHEETS:</b> 2/2 <b>NO. OF CONSTRUCTION SHEETS:</b> 2/2 <b>NO. OF ELECTRICAL SHEETS:</b> 2/2 <b>NO. OF MECHANICAL SHEETS:</b> 0/0 <b>NO. OF CIVIL SHEETS:</b> 0/0 <b>NO. OF SITEWORK SHEETS:</b> 0/0 <b>NO. OF CONCRETE SHEETS:</b> 0/0 <b>NO. OF TRENCHING SHEETS:</b> 0/0 <b>NO. OF UTILITIES SHEETS:</b> 0/0 <b>NO. OF FOUNDATION SHEETS:</b> 0/0 <b>NO. OF ROADS SHEETS:</b> 0/0 <b>NO. OF WATERWORKS SHEETS:</b> 0/0 <b>NO. OF SANITARIAN SHEETS:</b> 0/0 <b>NO. OF SEWERAGE SHEETS:</b> 0/0 <b>NO. OF TRAFFIC SHEETS:</b> 0/0	
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<b>SCALE:</b> 1:250		<b>DATE:</b>		<b>NO. OF SHEETS:</b> 2/2 <b>NO. OF CONSTRUCTION SHEETS:</b> 2/2 <b>NO. OF ELECTRICAL SHEETS:</b> 2/2 <b>NO. OF MECHANICAL SHEETS:</b> 0/0 <b>NO. OF CIVIL SHEETS:</b> 0/0 <b>NO. OF SITEWORK SHEETS:</b> 0/0 <b>NO. OF CONCRETE SHEETS:</b> 0/0 <b>NO. OF TRENCHING SHEETS:</b> 0/0 <b>NO. OF UTILITIES SHEETS:</b> 0/0 <b>NO. OF FOUNDATION SHEETS:</b> 0/0 <b>NO. OF ROADS SHEETS:</b> 0/0 <b>NO. OF WATERWORKS SHEETS:</b> 0/0 <b>NO. OF SANITARIAN SHEETS:</b> 0/0 <b>NO. OF SEWERAGE SHEETS:</b> 0/0 <b>NO. OF TRAFFIC SHEETS:</b> 0/0	
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**ELECTRICAL - SITE PLAN**



**POWER PLAN MAIN BUILDING AREA**  
1:1.25

**GENERAL NOTES**

- COORDINATE MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT. PROVIDE LOCAL DISCONNECTS FOR ALL MECHANICAL EQUIPMENT.
- COORDINATE PROCESS EQUIPMENT INSTALLATION LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. PROVIDE ALL ELECTRICAL CONNECTIONS, BREAKERS, WIRING AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH EQUIPMENT SUPPLIERS FOR ALL REQUIRED EQUIPMENT.
- COORDINATE THE INSTALLATION OF THE MAIN TRANSFORMER WITH THE POWER SUPPLY AUTHORITY.
- COORDINATE THE INSTALLATION OF THE GENERATOR WITH THE FUEL TANK AND MAIN TRANSFORMER LOCATIONS.
- SEE STRUCTURAL DRAWINGS FOR HOUSEKEEPING PAD REQUIREMENTS.

**CONSTRUCTION NOTES**

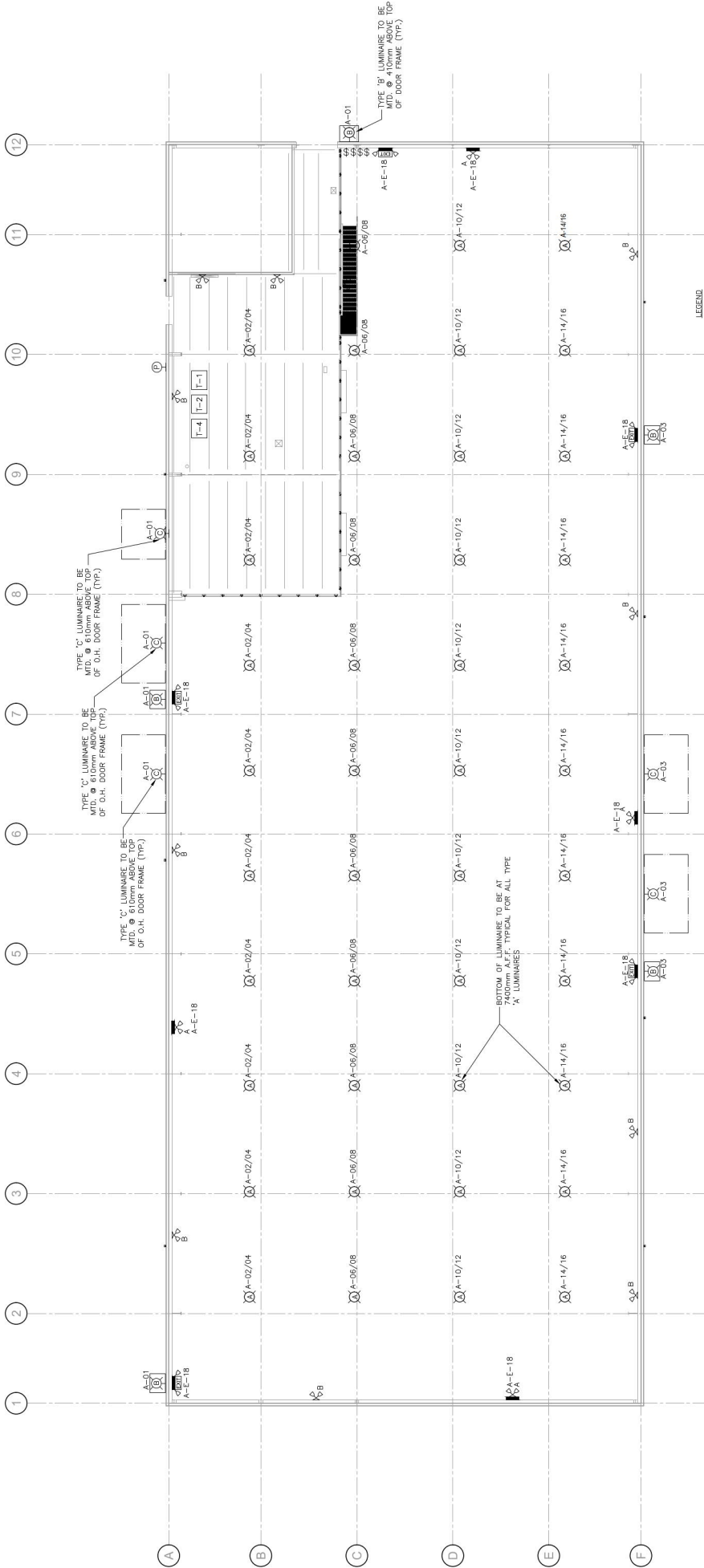
- HRU-1 IS LOCATED ON THE MEZZANINE. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION. PROVIDE FIRE FIGHTER ENTRANCE WITH LOCAL FIRE DEPARTMENT.
- CONFIRM FIRE FIGHTER ENTRANCE WITH LOCAL FIRE DEPARTMENT.
- PROVIDE POWER FOR CO AND NOX DETECTION FOR PLANT FLOOR. REFER TO MECHANICAL DRAWINGS FOR GAS DETECTION SYSTEM AND COORDINATE WITH MECHANICAL CONTRACTOR. MONITOR WITH FIRE ALARM SYSTEM TO PROVIDE A TROUBLE SIGNAL ON CO OR NOX DETECTION.
- PROVIDE HEAT TRACE CABLE, WIRING, CONNECTION KITS, END SEALS, AMBIENT TEMPERATURE CONTROLLER AND REPRESENTATIVE OR FACTORY FOR REVIEW.

**GENERAL NOTES**

- COORDINATE MECHANICAL DRAWINGS FOR EXACT LOCATION OF MECHANICAL EQUIPMENT. PROVIDE LOCAL DISCONNECTS FOR ALL MECHANICAL EQUIPMENT.
- COORDINATE PROCESS EQUIPMENT INSTALLATION LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. PROVIDE ALL ELECTRICAL CONNECTIONS, BREAKERS, WIRING AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH EQUIPMENT SUPPLIERS FOR ALL REQUIRED EQUIPMENT.
- COORDINATE THE INSTALLATION OF THE MAIN TRANSFORMER WITH THE POWER SUPPLY AUTHORITY.
- COORDINATE THE INSTALLATION OF THE GENERATOR WITH THE FUEL TANK AND MAIN TRANSFORMER LOCATIONS.
- SEE STRUCTURAL DRAWINGS FOR HOUSEKEEPING PAD REQUIREMENTS.

<p>RECORD DRAWING</p> <p>This record drawing has been prepared based on information furnished by others. The information and data is not responsible for the accuracy or completeness of the information and data incorporated herein. It is the responsibility of the user to obtain independent verification of the accuracy of the information and data used in this drawing.</p>		<p>ORIGINALLY DESIGNED BY</p> <p><b>B. L. MOORE</b></p> <p>DATE: 11-14-2022</p>	<p>DATE</p> <table border="1"> <tr><td>2023/06/02</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> <tr><td>2023/05/26</td><td>1</td><td>1</td></tr> </table>	2023/06/02	1	1	2023/05/26	1	1	2023/05/26	1	1	2023/05/26	1	1	2023/05/26	1	1	2023/05/26	1	1	2023/05/26	1	1	2023/05/26	1	1	2023/05/26	1	1	2023/05/26	1	1	2023/05/26	1	1	2023/05/26	1	1	<p>CITY OF DALUIT</p> <p>WASTE TRANSFER STATION</p>	<p>PROJECT NO.</p> <p>19-9543</p>
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<p><b>Conditions of Use</b></p> <p>Verify revisions and/or dimensions on drawing prior to use. Report any discrepancies to Dillon Consulting Limited. Do not modify drawing, re-use it, or use it for purposes other than those intended without the written permission from Dillon Consulting Limited.</p>		<p><b>POWER PLAN MAIN BUILDING AREA</b></p> <p>DATE: 11-14-2022</p> <p>NOVEMBER 2022</p>																																							
<p><b>Legend</b></p> <ul style="list-style-type: none"> <li>⊗ ELECTRICAL LOAD</li> <li>⊖ DISCONNECT SWITCH</li> <li>⊕ DUPLEX RECEPTACLE</li> <li>⊞ FIRE ALARM STROBE AND BELL</li> <li>⊟ SECURITY CAMERA</li> <li>⊠ TRIPLEX RECEPTACLE</li> <li>⊡ F.A. PULLSTATION</li> <li>20 - DENOTES 20A T-SLOT</li> </ul>		<p>DILLON CONSULTING</p> <p><b>WTS-E01</b></p>																																							





LIGHTING PLAN MAIN BUILDING AREA  
1:25

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ORIGINALLY DESIGNED BY  
**B.L. MOORE**  
20 Nov 1, 2022

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DATE: 2022/10/06  
SCALE: 1:25  
DRAWN BY: B.L. MOORE  
CHECKED BY: B.L. MOORE  
DATE: 2022/10/06  
SCALE: 1:25  
DRAWN BY: B.L. MOORE  
CHECKED BY: B.L. MOORE

REVISIONS  
NO. DESCRIPTION  
1. 2022/10/06 B.L.M. FOR PERMIT  
2. 2022/10/06 B.L.M. FOR PERMIT  
3. 2022/10/06 B.L.M. FOR PERMIT  
4. 2022/10/06 B.L.M. FOR PERMIT

CITY OF DALUIT  
WASTE TRANSFER STATION

**18-9543**

SHEET NO.

**WTS-E03**



ORIGINALLY DESIGNED BY  
**B.L. MOORE**  
20 Nov 1, 2022

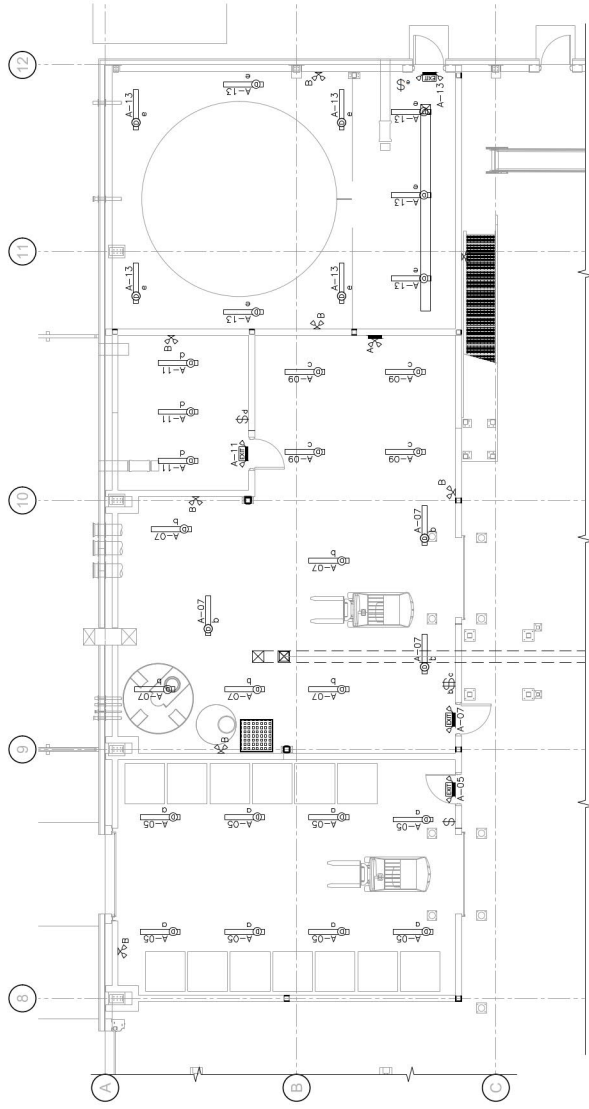
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CITY OF DALUIT  
WASTE TRANSFER STATION

**18-9543**

SHEET NO.

**WTS-E03**



LIGHTING PLAN SERVICE ROOMS  
1/75

**LEGEND**

- STRIP LIGHTING SURFACE MOUNTED
- REMOTE DUAL EMERGENCY LIGHTING FIXTURE
- COMBINATION EXIT LIGHT, EMERGENCY LAMP AND BATTERY UNIT

LUMINAIRE SCHEDULE			
TYPE	MANUFACTURER	CAT. NO.	REMARKS
A	LITHONIA LIGHTING	JEBL 24L 40K 80CRI WH	LED HIGH BAY LUMINAIRE WTD. @ NOM. ELEV. 7.4M A.F.F.
B	LITHONIA LIGHTING	KAW P1 40K R3 120 PER DOBBD	WALL MOUNTED, DARK BRONZE C/W PHOTOCELL FOR DUSK TO DAWN OPERATION
C	LITHONIA LIGHTING	75K 1535 40K 75W MOULT PC DOBBD	RECESSED WALL LUMINAIRE DARK BRONZE PHOTOCELL CONTROL
D	LITHONIA LIGHTING	ZLN L48 7000LM FST 120 40K 80 CRI WH	LED STRIP LIGHT WITH DIFFUSED LENS
F	LITHONIA LIGHTING	OLKX1LED 13W 40K	EXTERIOR WALLPACK
G	LITHONIA LIGHTING	EPANL 2X2 4800LM 80 CRI 40K-MIN 2T 120	LED 2X2 FLAT PANEL C/W TBAR OR SURFACE KIT AS REQUIRED
H	LITHONIA LIGHTING	DSX1 LED P9 30K T2M 120 SPA KM48 DOBBD U PER DOBBD	ROADWAY LUMINAIRE TYPE 2 LIGHT DISTRIBUTION 5000K COLOR TEMP. C/W PHOTO CELL CONTROLLER PHOTOCELL CONTROL. ALL 1-2' PANEL 40K PP-21-ARM-55S-MA-2-3/8"-DOBBD 30 FT. POLE: PRAIRIE POLE: 55S-30-IW-2-BR

EMERGENCY LUMINAIRE SCHEDULE			
TYPE	MANUFACTURER	CAT. NO.	REMARKS
A	AMULTE	EBST-12-720-70B-7WLA-ATD	STEEL BATTERY UNIT, C/W DUAL HEAD LED LAMP, AUTOTEST, TERMINAL BLOCKS
B	AMULTE	RWH-2-106-7WLA-BLK	REMOTE DUAL EMERGENCY LAMP, WET LOCATION, VANDAL PROOF
C	AMULTE	RPU-2-50-7WLA-WHT	INTERIOR EXIT SIGN C/W 2 LED EMERGENCY LAMPS
D	AMULTE	SRV-06-036-1-WHT-2	RECESSED GREEN RUNWAY MAN PHOTOGRAM
E	AMULTE	7WLR-ATD-CW	WET LOCATION GREEN RUNWAY MAN PHOTOGRAM 2 LAMPS

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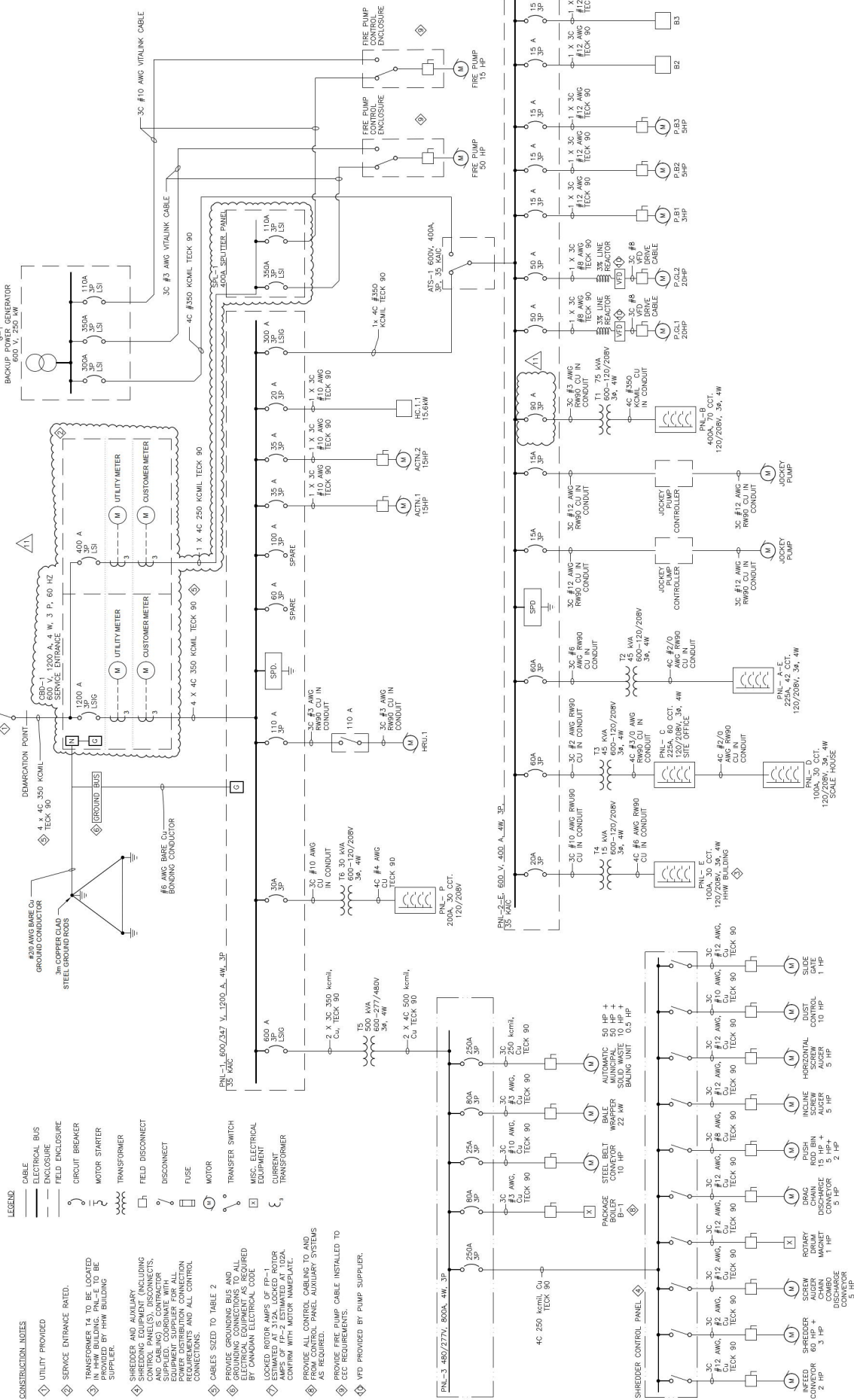
DESIGNED BY  
**B.L. MOORE**  
24 NOV 2022

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NO.	REVISION	DATE	BY	CHKD.	NOTED
1	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
2	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
3	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
4	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
5	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
6	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
7	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
8	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
9	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
10	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
11	ISSUE FOR PERMIT	2022/10/14	B.L.M.		
12	ISSUE FOR PERMIT	2022/10/14	B.L.M.		

CITY OF QALUIT  
WASTE TRANSFER STATION  
PROJECT NO. 18-9543  
SHEET NO.  
**LIGHTING PLAN SERVICE ROOMS  
FIXTURE SCHEDULE**  
WTS-E04



- CONSTRUCTION NOTES**
- 1 UTILITY PROVIDED
  - 2 SERVICE ENTRANCE RATED.
  - 3 TRANSFORMERS TO BE LOCKED IN HW BUILDING. PNL-E TO BE PROVIDED BY HW BUILDING SUPPLIER.
  - 4 SHREDDER AND AUXILIARY SHREDDING EQUIPMENT (INCLUDING CONDUIT, FIELD ENCLOSURE, DISCONNECT, FUSE, MOTOR, TRANSFORMER) TO BE PROVIDED BY HW BUILDING SUPPLIER. COORDINATE WITH POWER DISTRIBUTION CONNECTION REQUIREMENTS AND ALL CONTROL CONNECTIONS.
  - 5 CABLES SIZED TO TABLE 2
  - 6 PROVIDE GROUNDING BUS AND GROUNDING CONNECTIONS TO ALL EQUIPMENT AS REQUIRED BY CANADIAN ELECTRICAL CODE
  - 7 LOCKED ROTOR AMPS OF PP-1 ESTIMATED AT 312A. LOCKED ROTOR CONVEYOR WITH MOTOR WINDING.
  - 8 PROVIDE ALL CONTROL CABLES TO BUS FROM CONTROL PANEL AUXILIARY SYSTEMS AS REQUIRED.
  - 9 PROVIDE FIRE PUMP CABLE INSTALLED TO REC REQUIREMENTS.
  - 10 VFD PROVIDED BY PUMP SUPPLIER.

- LEGEND**
- CABLE
  - ELECTRICAL BUS
  - ENCLOSURE
  - FIELD ENCLOSURE
  - CIRCUIT BREAKER
  - MOTOR STARTER
  - TRANSFORMER
  - FIELD DISCONNECT
  - DISCONNECT
  - FUSE
  - MOTOR
  - TRANSFER SWITCH
  - MISC. ELECTRICAL EQUIPMENT
  - CURRENT TRANSFORMER
  - TRANSFORMER

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Do not modify drawing or use it, or use it for purposes other than those intended, without prior written permission from Dillon Consulting Limited.

ORIGINALLY DESIGNED BY  
B. L. MOORE  
ON Nov 4, 2022

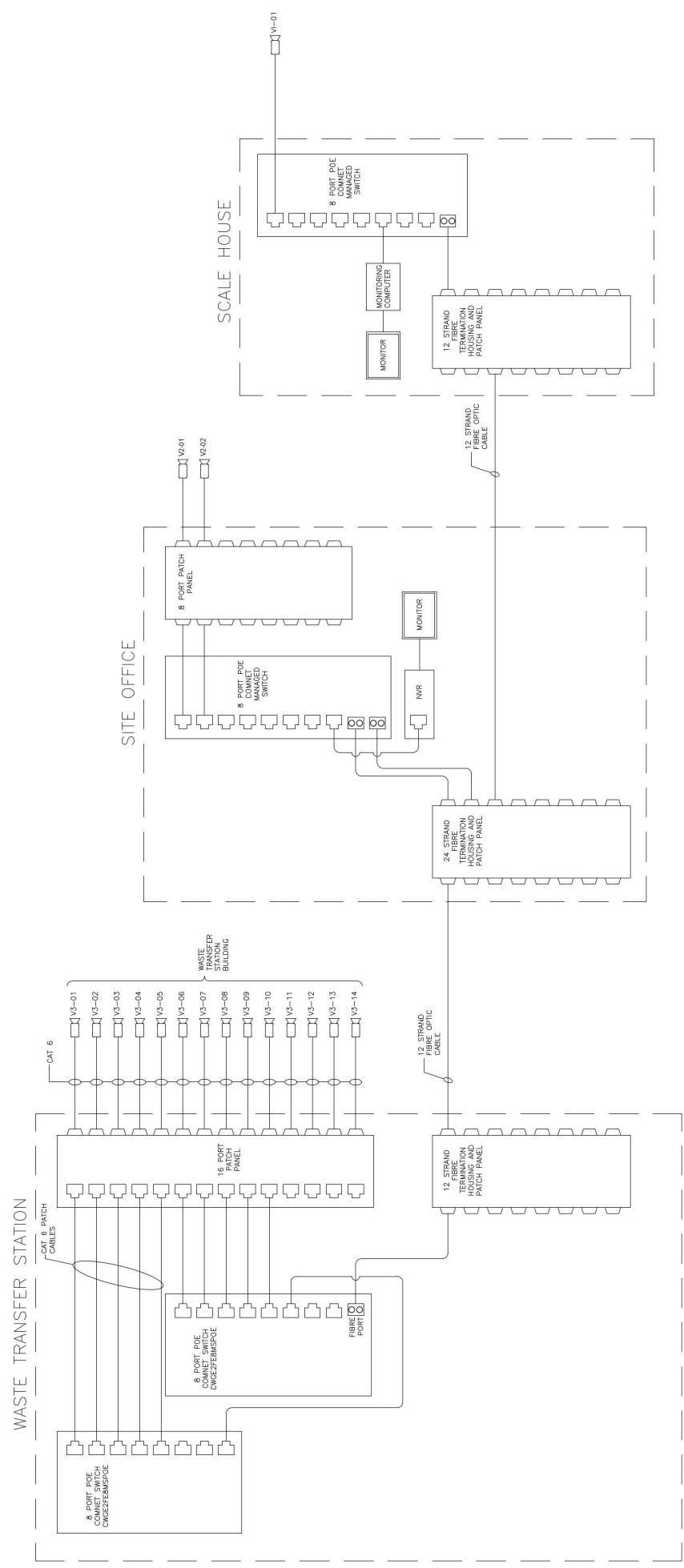
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NO.	REVISION	DATE	BY	CHKD	DESCRIPTION
1	ISSUED FOR CONSTRUCTION	2022/11/04	BLM	BLM	
2	REVISED FOR PERMIT	2022/11/04	BLM	BLM	
3	REVISED FOR PERMIT	2022/11/04	BLM	BLM	
4	REVISED FOR PERMIT	2022/11/04	BLM	BLM	
5	REVISED FOR PERMIT	2022/11/04	BLM	BLM	
6	REVISED FOR PERMIT	2022/11/04	BLM	BLM	
7	REVISED FOR PERMIT	2022/11/04	BLM	BLM	
8	REVISED FOR PERMIT	2022/11/04	BLM	BLM	
9	REVISED FOR PERMIT	2022/11/04	BLM	BLM	
10	REVISED FOR PERMIT	2022/11/04	BLM	BLM	





ONE LINE DIAGRAM FOR VIDEO CAMERAS  
SCALE: N.T.S.

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**ORIGINAL'S SIGNATURE**  
B. L. MOORE  
ON: Nov 4, 2022

**PROJECT NO.** 19-9543  
**SHEET NO.** WTS-E07

**CITY OF QALUIT**  
WASTE TRANSFER STATION

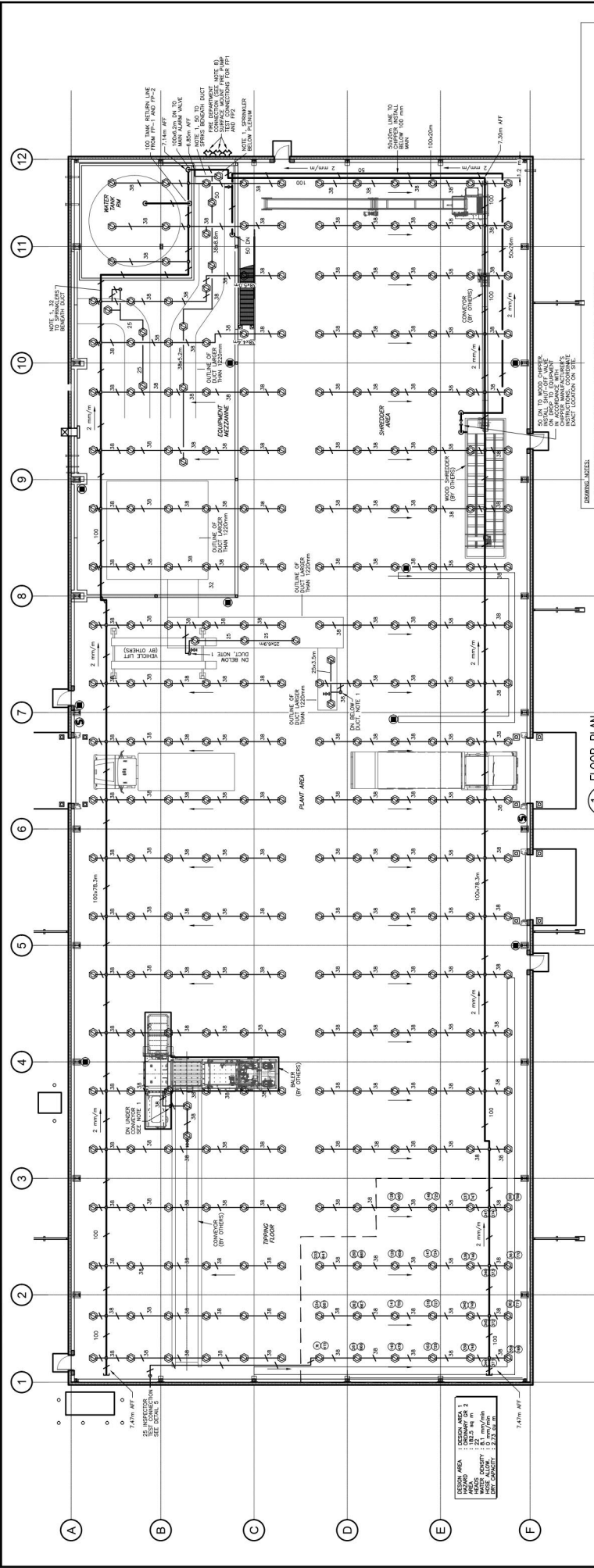
**SECURITY CAMERA SYSTEM**

NO.	DATE	DESCRIPTION	BY	CHKD.
1	2022/11/04	ISSUED FOR PERMIT	B.L.M.	J.E.S.
2	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
3	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
4	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
5	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
6	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
7	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
8	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
9	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
10	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
11	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.
12	2022/11/04	ISSUED FOR CONSTRUCTION	B.L.M.	J.E.S.

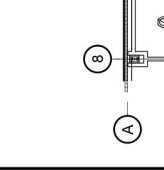
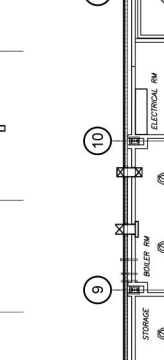
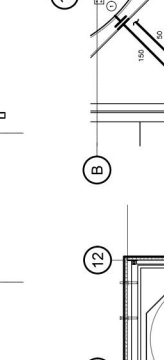
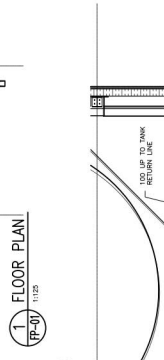
**DILLON CONSULTING**

**iqaluit** **AFSA**

**NOVEMBER 2022**  
SINGLE LINE DIAGRAM



- GENERAL NOTES:**
1. SPRINKLER REFLECTORS TO BE 25mm - 300mm BELOW METRA OF OBSTRUCTION.
  2. SPRINKLER REFLECTORS TO BE MINIMUM 450mm ABOVE FIRED STORAGE UNDER MEZZANINE.
  3. BRANCH LINES IN PLANT AREA TO BE PITCHED TOWARDS MAIN PARALLEL TO ROOF BRANCH LINES BELOW MEZZANINE TO BE PITCHED MINIMUM 4 mm/m TOWARDS MAIN.
  4. BRANCH LINES IN PLANT AREA TO BE PITCHED TOWARDS MAIN PARALLEL TO ROOF BRANCH LINES BELOW MEZZANINE TO BE PITCHED MINIMUM 4 mm/m TOWARDS MAIN.
  5. BRANCH LINES IN PLANT AREA TO BE PITCHED TOWARDS MAIN PARALLEL TO ROOF BRANCH LINES BELOW MEZZANINE TO BE PITCHED MINIMUM 4 mm/m TOWARDS MAIN.
  6. BRANCH LINES IN PLANT AREA TO BE PITCHED TOWARDS MAIN PARALLEL TO ROOF BRANCH LINES BELOW MEZZANINE TO BE PITCHED MINIMUM 4 mm/m TOWARDS MAIN.
  7. FIRE DEPARTMENT CONNECTION TO BE APPROVED SUBJECT MATTER TYPE INSTALLED INTO THE ABOVE FRAME, CONSISTING OF TWO 65 mm CONNECTIONS USING AN INTERNAL CONNECTION TO BE EQUIPPED WITH APPROVED FLANGE OR CAP, PROPERLY SEALED AND ARRANGED FOR EASY REMOVAL BY FIRE DEPARTMENT.



**6. PIPE SUPPORT HANGERS** (TP-06) R/S

**5. INSPECTOR TEST VALVE** (TP-05) R/S

**4. DRY DRUM DRIP** (TP-04) R/S

**3. FIRE PUMP ROOM PLAN** (TP-03) 1:50

**2. BELOW MEZZANINE PLAN** (TP-02) 1:125

**1. FLOOR PLAN** (TP-01) 1:125

**CITY OF CALUIT**  
WASTE TRANSFER STATION

**RECORD DRAWINGS**  
DATE: JANUARY 2025  
ISSUED FOR CONSTRUCTION

**DESIGN AREA:**  
1. DESIGN AREA 1: 100.00m x 100.00m  
2. DESIGN AREA 2: 100.00m x 100.00m

**CONDITIONS OF USE:**  
Verify all dimensions and/or dimensions on drawing prior to use.  
Report any discrepancies to Dillon Consulting Limited.  
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**DILLON CONSULTING**  
ALtoSAF

**WTS-PP01**

### SPRINKLER HEAD SCHEDULE

QTY	SIZE	K	TEMP	RESPONSE	ORIENTATION	MANIF.	MODEL	NOTES
308	25	5.6	68.3	QUICK	UPRIGHT	DS-1	E/W GUARD	

NOTE: COORDINATE LOCATION OF INTERMEDIATE AND HIGH TEMP HEADS WITH MECHANICAL EQUIPMENT ON SITE AS PER NFPA 13 REQUIREMENTS.

### SPRINKLER NOTES

- THE AUTOMATIC SPRINKLER SYSTEM IS TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE 2013 EDITION OF NFPA 13.
- A 170.344 L (45,000 USGA) ABOVE GROUND STORAGE TANK IS TO BE SUPPLIED AND INSTALLED BY OTHERS. THE LOCATION OF THIS TANK, AND INTEGRATION OF SUPPLY AND INSTALLATION OF ALL PIPING RELATED TO THE OPERATION OF THIS TANK, AND INTEGRATION OF THE TANK WITH THE FIRE PROTECTION SYSTEM WATER DISTRIBUTION NETWORK.
- THE FIRE DEPARTMENT CONNECTION AND FIRE PUMP TEST HEADERS TO BE LOCATED AS SHOWN ON THE PLAN.
- ALL ISOLATION VALVES TO BE C/W SUPERVISOR SWITCH FOR CONNECTION TO FIRE ALARM SYSTEM BY THE ELECTRICAL TRADE CONTRACTOR AS PER NFPA 13.
- CEILING SPACES ARE LIMITED BELOW THE MEZZANINE. THE LOCATION OF ALL PIPING RELATED TO THE ARCHITECTURAL PLANS AND WITH OTHER TRADES.
- HOLES THROUGH FLOORS AND WALLS, IN A NEAT FASHION, ARE TO BE PROVIDED BY THIS CONTRACTOR. FOR PENETRATIONS THROUGH A FIRE RATED WALL AND FLOOR/CEILING ASSEMBLIES ARE TO BE FIRESTOPPED WITH APPROVED UIC LISTED FIRESTOP ASSEMBLIES.
- FOR PENETRATIONS THROUGH NON-RATED ASSEMBLIES CAULK WITH ACoustICAL SEALANT.
- COORDINATE INSTALLATION OF COMPONENTS REQUIRED FOR THE FIRE PUMP AND WATER STORAGE TANK WITH THE ELECTRICAL TRADE CONTRACTOR. SUPPLY AND INSTALL ALL NECESSARY DEVICES/POINTS AS REQUIRED BY NATIONAL BUILDING CODE.
- PROVIDE THREE (3) ADDITIONAL WALL MOUNTED 4.5 kg ASBULB EXTINGUISHERS. ONE (1) TO BE INSTALLED IN EACH OF THE STORAGE ROOM 102, STORAGE ROOM 103, BOILER ROOM 104, AND THE AIR HANDLER MEZZANINE.
- CONTRACTOR TO COORDINATE WITH OTHER TRADES AND ADJUST LAYOUT AS REQUIRED. ADVISE DESIGN ENGINEER OF ALL REQUIRED CHANGES.

### SPRINKLER LEGEND

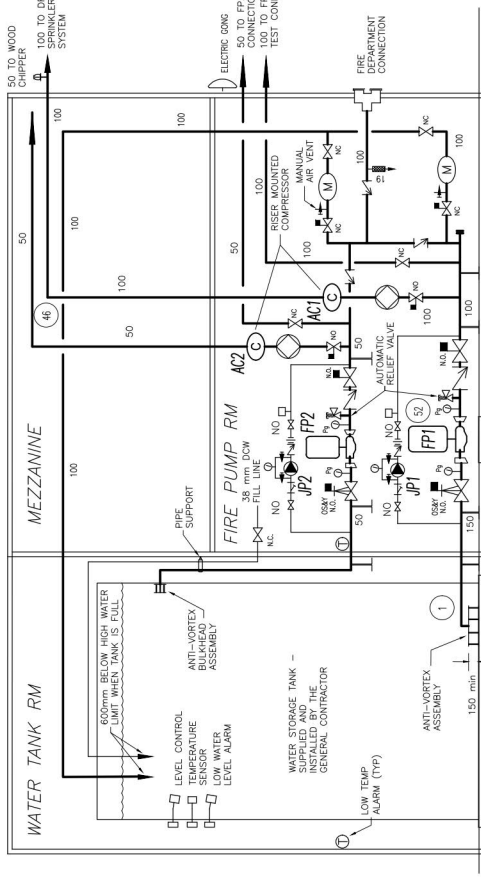
SYMBOL	DESCRIPTION
SPRINKLER MAIN	
SPRINKLER BRANCH	
PIPE UP	
PIPE DOWN	
CONCENTRIC REDUCER	
ECCENTRIC REDUCER	
PIPE HANGER	
SHUT-OFF VALVE	
BALL VALVE	
CHECK VALVE	
HOSE END DRAIN VALVE	
INDICATING OSBY VALVE (SUPERVISED)	
SPRINKLER VALVE (DRY)	
PRESSURE GAUGE W/ VALVE COCK	
UNION	
STRAINER	
ELECTRIC GONG	
FIRE DEPARTMENT CONNECTION	
WATER FLOW METER	
INLINE PUMP	
FLUSHING CONNECTION	
4.5 kg WALL MOUNTED FIRE EXTINGUISHER C/W WALL BRACKET	
SPILL KIT C/W 75 L PLASTIC DRUM, 5000 ml WATER, 500 ml FIRE FIGHTING GLOVES, FIFTEEN (15) 482 mm x 381 mm UNIVERSAL DISPOSEABLE BAGS, AND TWO (2) 4.5 kg WALL MOUNTED GRANULAR RESISTENT MATERIAL.	
NO / NC	NORMALLY OPEN / NORMALLY CLOSED
XXX RW	ROOM IDENTIFICATION

### EQUIPMENT

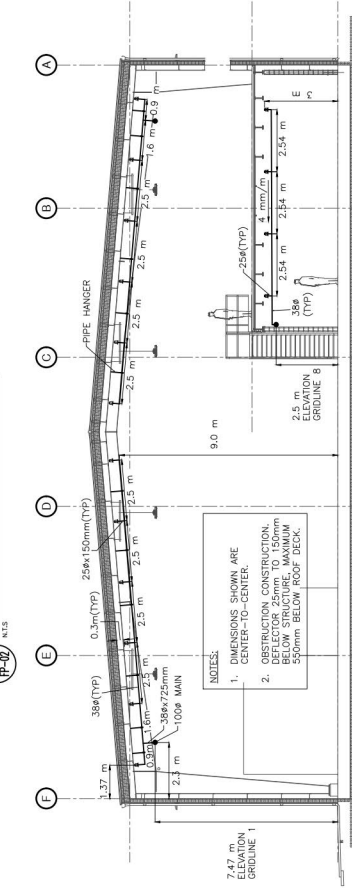
- FP1** FIRE PUMP: WALL MOUNTED ELECTRIC FIRE PUMP. NOMINAL CAPACITY 1800 L/min (500 usgpm) AT 670 kPa BOOST. CHURN PRESSURE 760 kPa. PRESSURE AT 1200 L/min 575/3/60. 3600 RPM. COP 40/25 AND WALL MOUNTED CONTROLLER. MOUNT UNIT ON 75 mm HIGH CONCRETE PAD. CONTROLLER TO HAVE A 120 VAC POWER SUPPLY.
- JP1** JOCKEY PUMP: 748 W. 575/3/60 ELECTRIC JOCKEY PUMP. 20 L/min (5 usgpm) AT 690 kPa BOOST C/W WALL MOUNTED CONTROLLER.
- FP2** FIRE PUMP: WALL MOUNTED ELECTRIC FIRE PUMP. NOMINAL CAPACITY 1800 L/min (500 usgpm) AT 670 kPa BOOST. CHURN PRESSURE 415 kPa. PRESSURE AT 570 L/min IS 390 kPa. PROVIDE WITH 15 HP, 575/3/60, 3600 RPM. COP 40/25 AND WALL MOUNTED CONTROLLER. MOUNT UNIT ON 75 mm HIGH CONCRETE PAD. CONTROLLER TO HAVE A 120 VAC POWER SUPPLY.
- AC1** RISER MOUNT AIR MAINTENANCE/COMPRESSOR: 4.4 CUBIC METER CAPACITY AT 124 kPa IN 30 MINUTES. 1 HP @ 120V/60, 15 A
- AC2** RISER MOUNT AIR MAINTENANCE/COMPRESSOR: 1.0 CUBIC METER CAPACITY AT 124 kPa IN 30 MINUTES. 1/4 HP @ 120V/60, 4.0 A

### DESIGN REQUIREMENTS

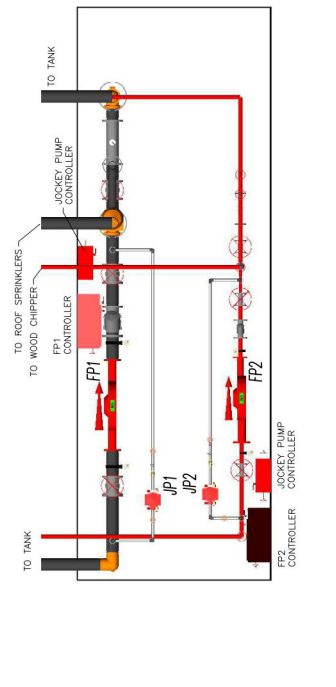
- ORDINARY HAZARD GROUP I, FIRE PUMP AND WATER STORAGE ROOM 102, ELECTRICAL ROOM 103, BOILER ROOM 104, AND THE AIR HANDLER MEZZANINE.
- ORDINARY HAZARD GROUP II, STORAGE ROOM 105 AND PLANT AREA.
- SYSTEM WATER DURATION: 60 min.
- SYSTEM HOSE DEMAND: NOT APPLICABLE



### FIRE PUMP ROOM ISOMETRIC VIEWS



### BUILDING SECTION



NO.	DATE	BY	CHKD.	SCALE	TITLE	ISSUED FOR CONSTRUCTION	REVISIONS	REVISIONS	REVISIONS
1	2024/07/26	GH	GH	1/8"	NOTED				
2	2024/07/26	GH	GH	1/8"	NOTED				

**CITY OF IQUALUIT**  
WASTE TRANSFER STATION

**DILLON CONSULTING**

**Iqualuit**

**AL-SAF**

**WTS-FP02**

**FIRE PROTECTION SYSTEM**

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