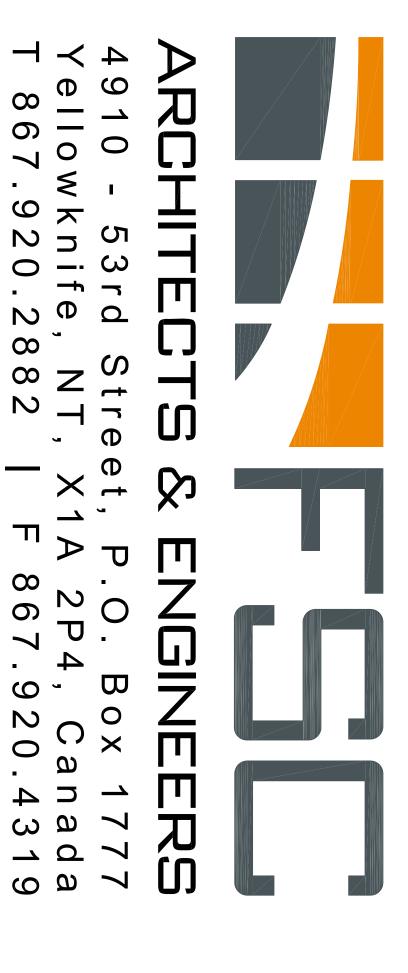
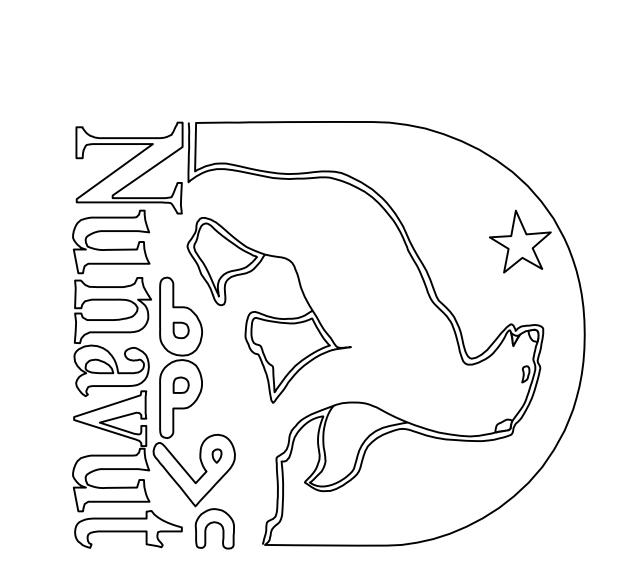
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By Licence Administrator at 3:23 pm, Jun 09, 2011







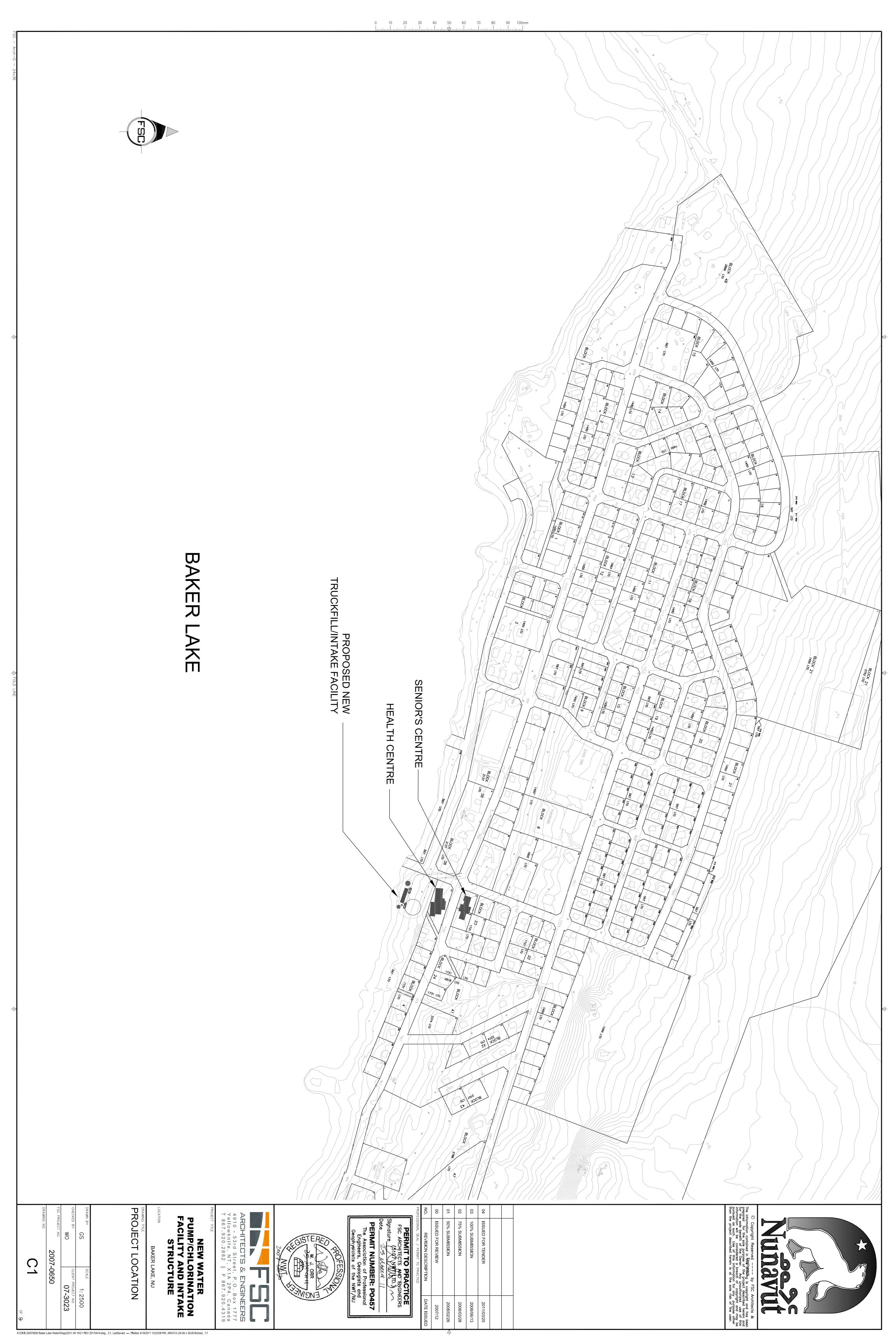
WATER SUPPLY IMPROVEMENTS

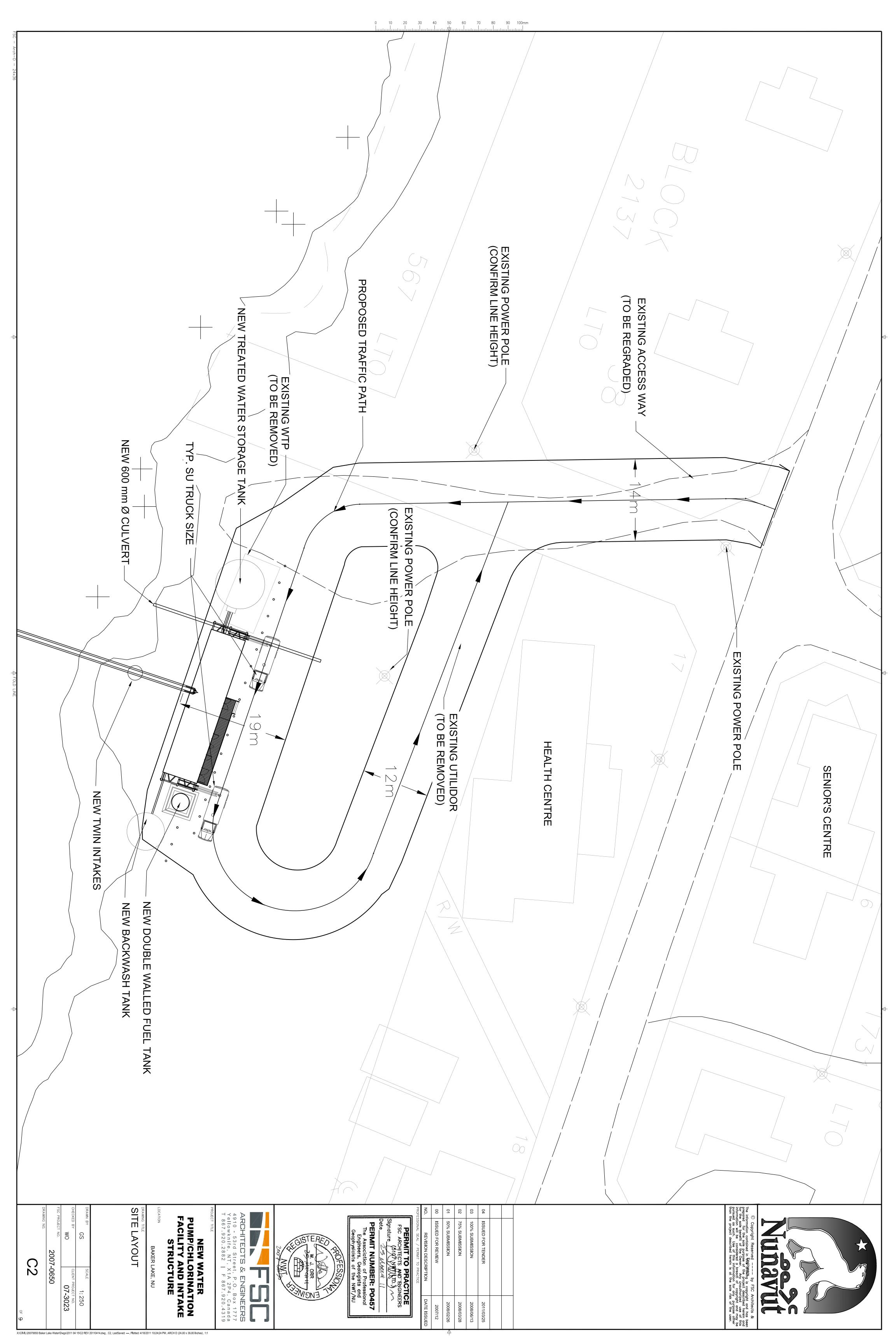
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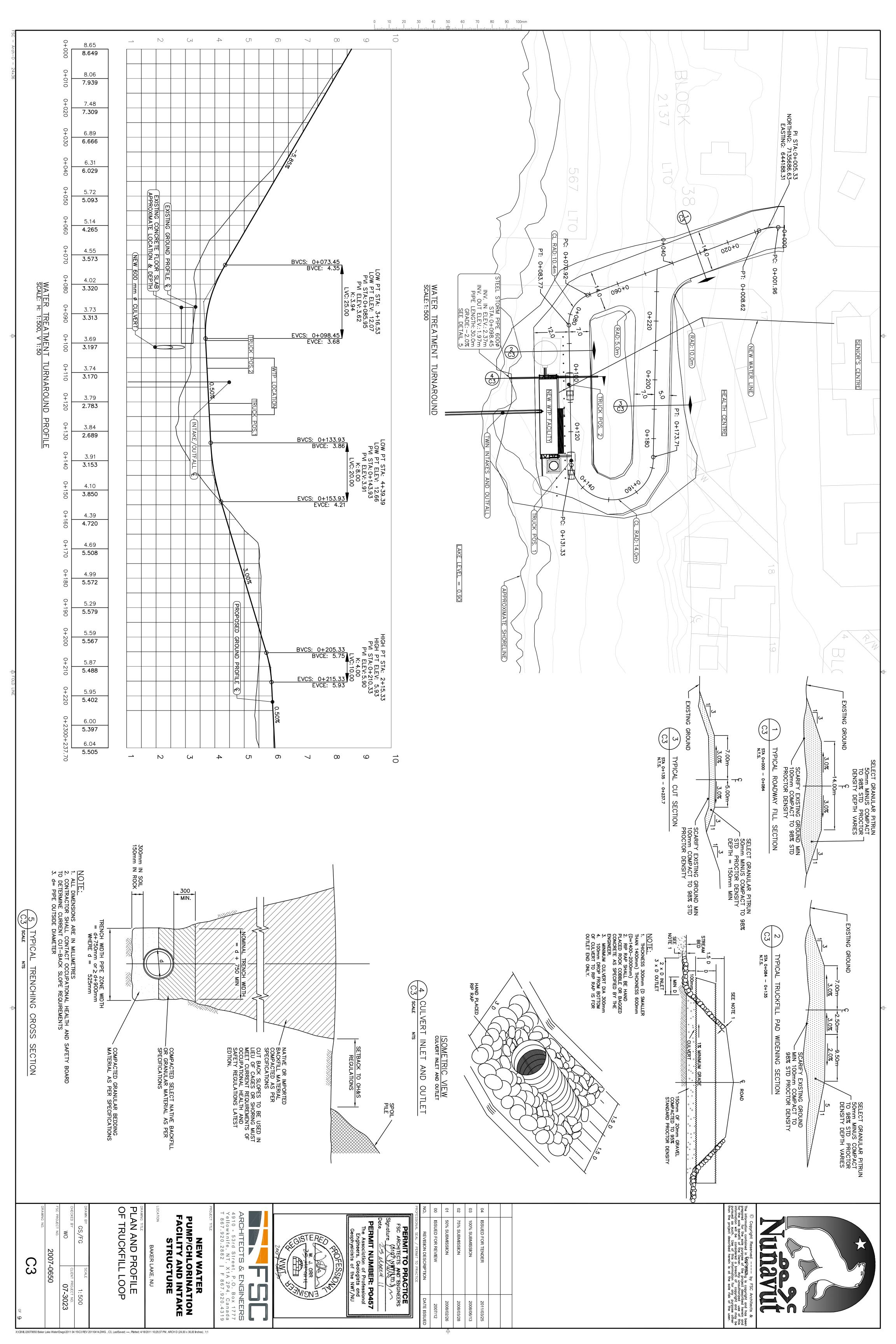
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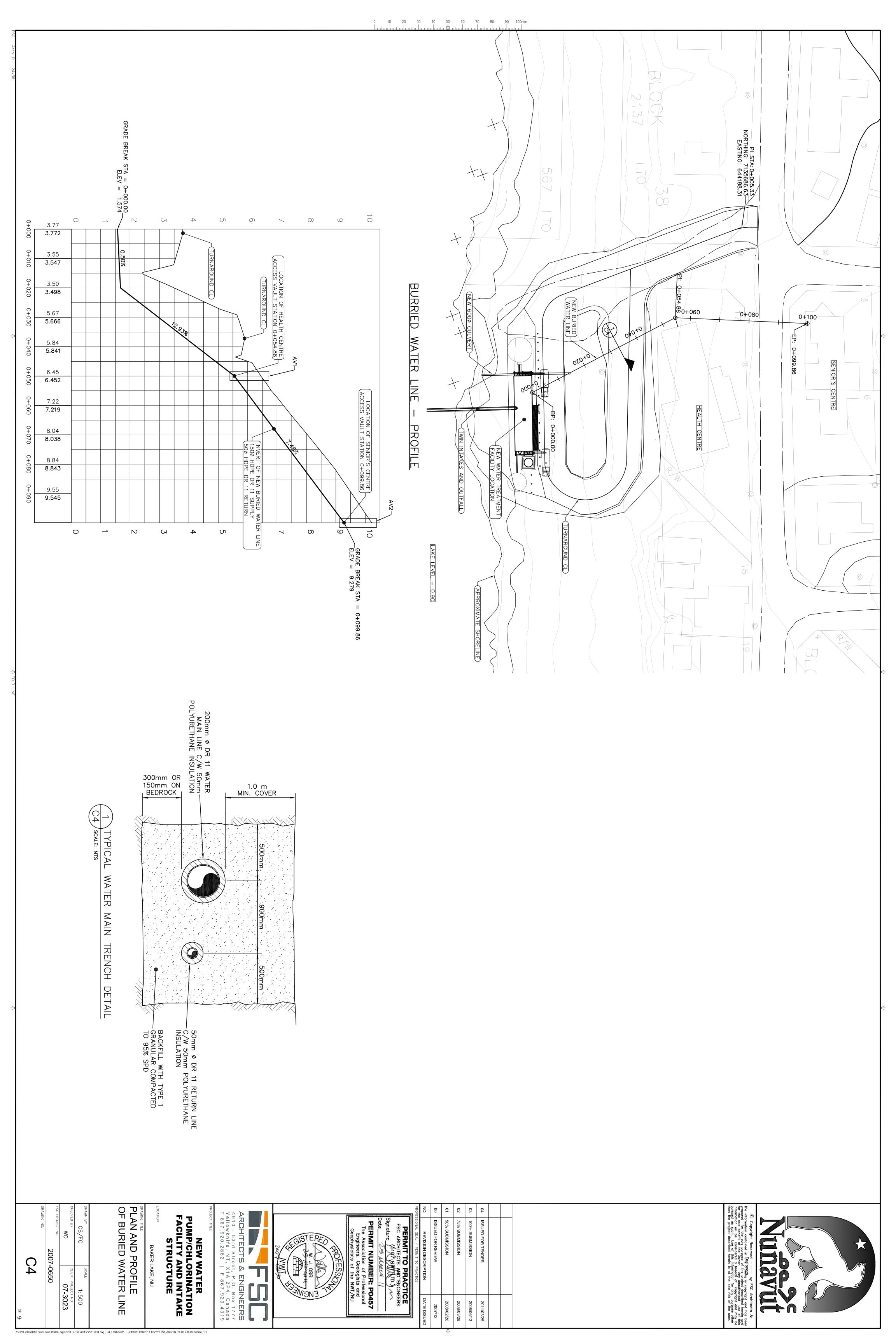
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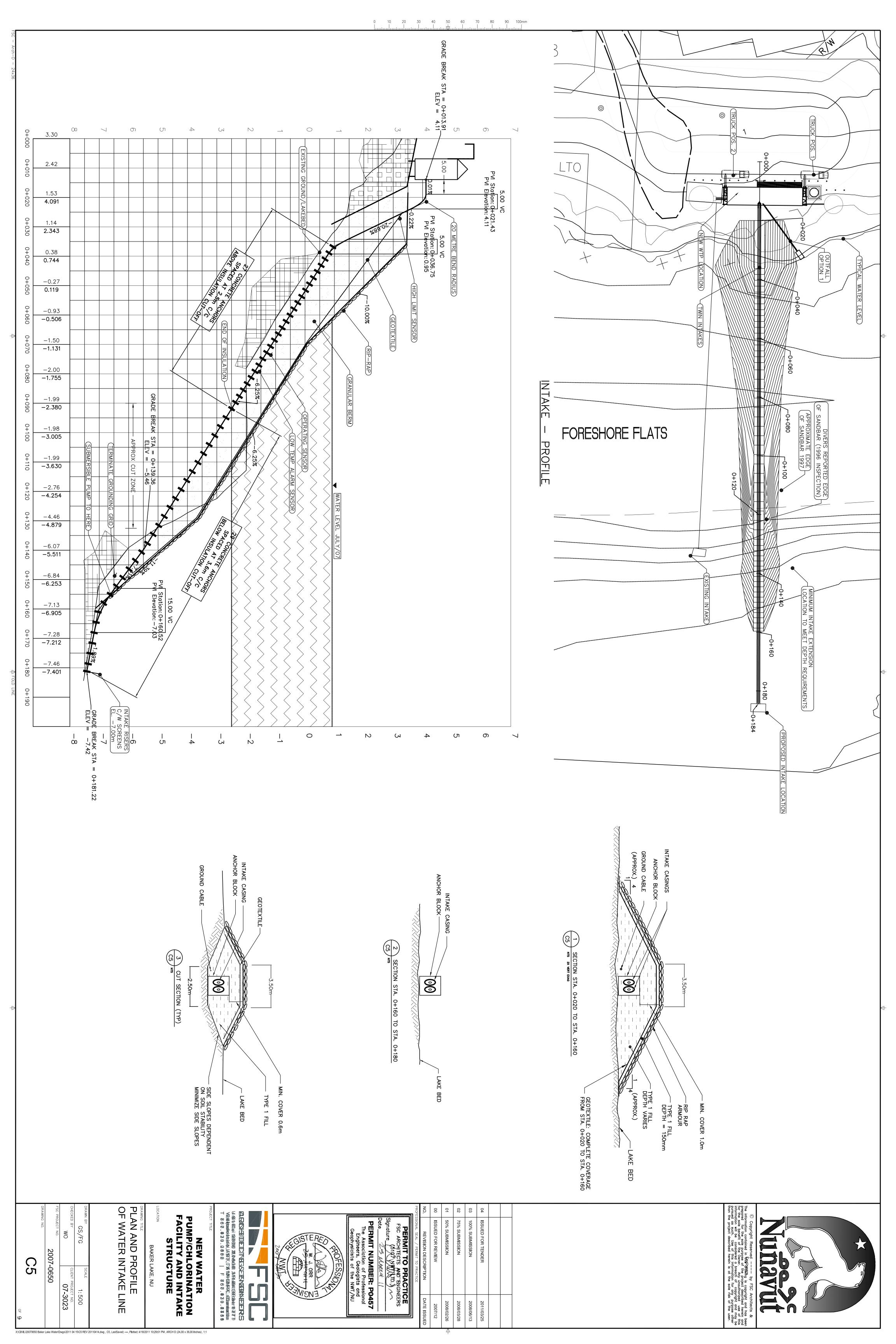
	÷ ; ; ; ; 4;				
PROCESS DRAWINGS TRUCKFILL SCHEMATIC DIAGRAMS UTILIDOR SCHEMATIC DIAGRAMS PIPING SCHEMATIC AND CROSS SECTION EQUIPMENT USE TABLE	BUILDING FLOOR PLAN, ASSEMBLIES & SCHEDULES BUILDING ELEVATIONS SECTION & MISC. DETAILS SECTION & MISC. DETAILS	WATER STORAGE TANK TOP & SIDE VIEW OF WATER TANK WATER TANK DETAILS WATER TANK DETAILS TOP & SIDE VIEW OF BACKWASH TANK	STRUCTURAL NOTES SKID AND SUBFLOOR LAYOUT & DETAILS STRUCTURAL DETAILS SECTIONS STAIR DETAILS PILE LAYOUT AND DETAILS TRUCK FILL ARM DETAILS	CIVIL PROJECT LOCATION SITE LAYOUT PLAN & PROFILE OF TRUCK FILL LOOP PLAN & PROFILE OF BURIED WATER LINE PLAN & PROFILE OF WATER INTAKE LINE INTAKE LINES DETAILS BUILDING WALL PENETRATION & PIPE SUPPORT DETAILS ACCESS VAULT DETAILS	
P P P P P P P P P P P P P P P P P P P	B1 B2 B4	T1 T2 T4	SS	C2 C2 C4 C5 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7 C7	
					DR AX
			ELECTRICAL SITE PLAN AND DETAILS ELECTRICAL PLANS SINGLE LINE DIAGRAM, MOTOR SCHEDULE AND DETAILS PANEL & LUMINAIRE SCHEDULES AND DETAILS HEAT TRACE DETAILS	MECHANICAL SITE PLAN AND LEGEND PLUMBING, FIRE PROTECTION & FUEL OIL PIPING PLANS HEATING PLAN VENTILATION PLANS BUILDING HEAT SCHEMATIC BUILDING HEAT SCHEMATIC SCHEMATIC DETAILS DETAILS	AWINGS

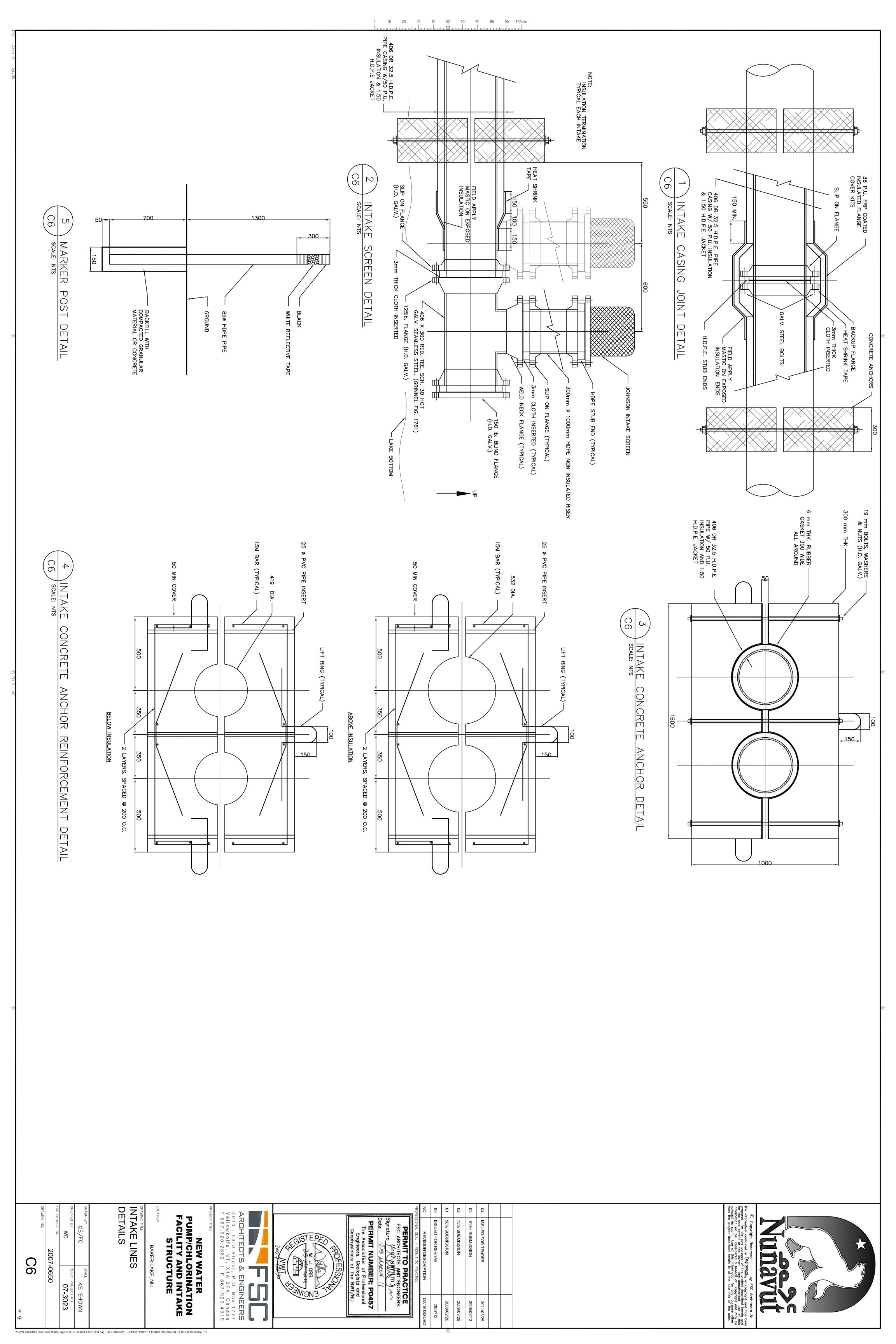


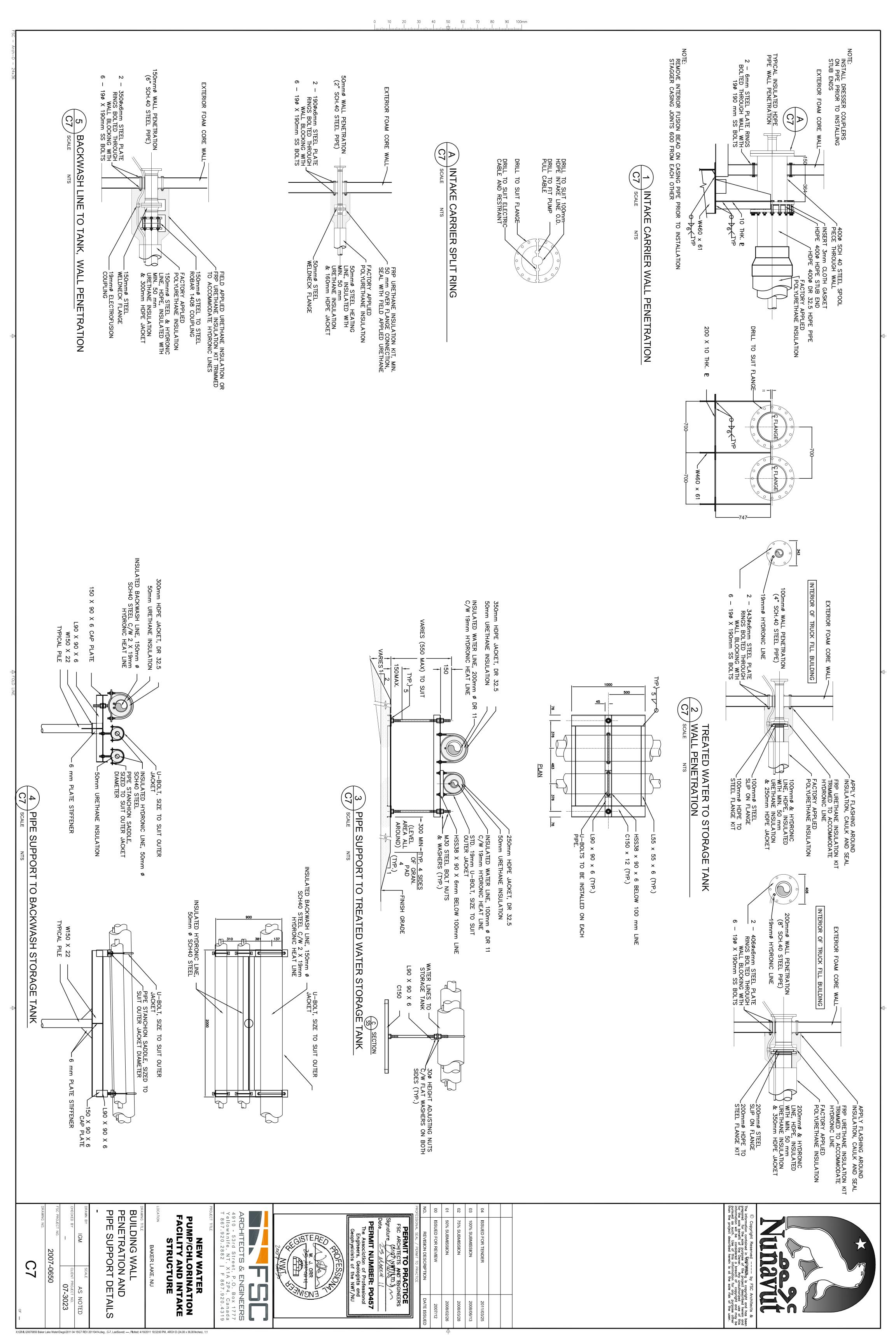


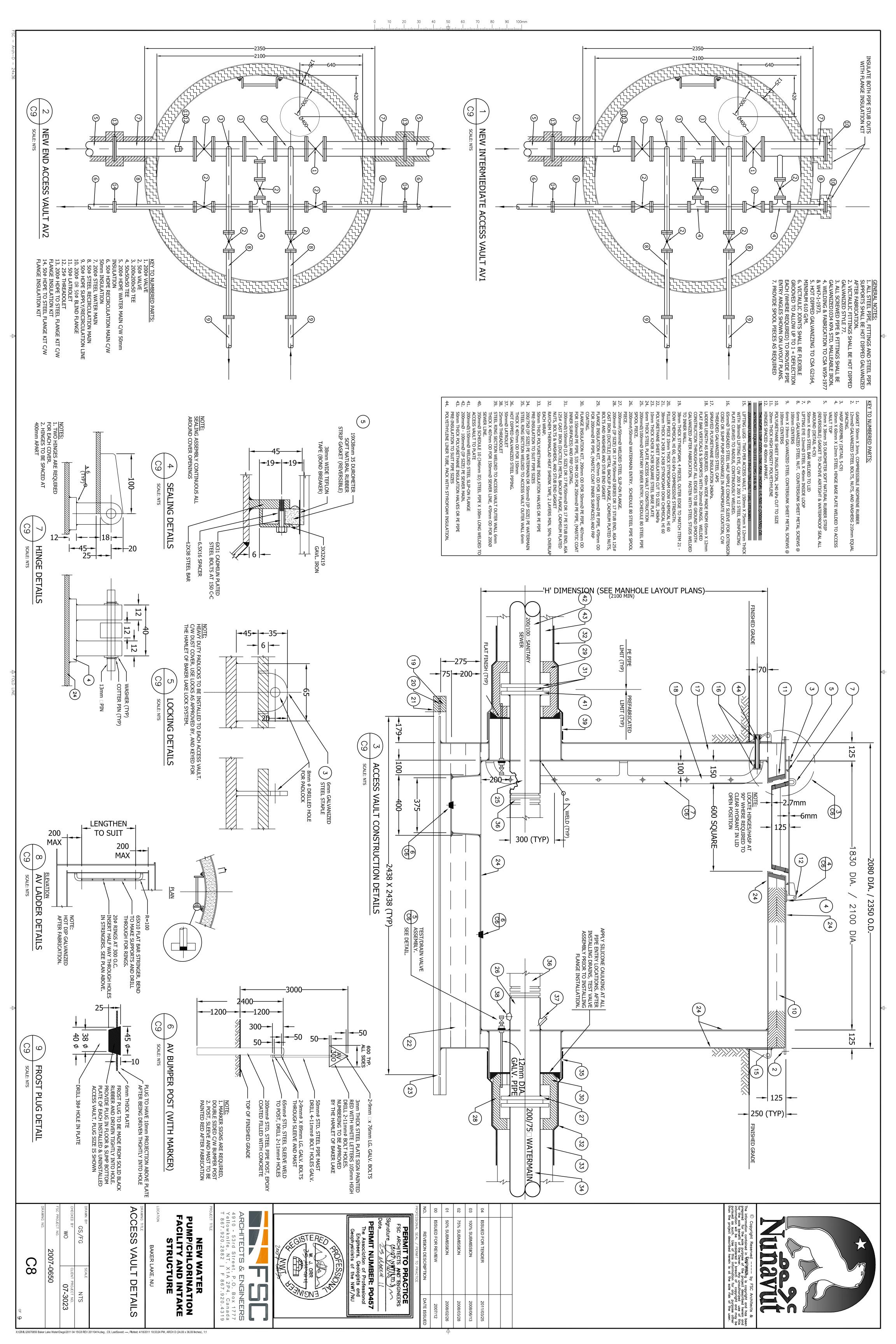












2. ALL WELDS SHALL HAVE AN ULTIMATE STRENGTH OF NOT LESS THAN 480 MPG (E48XX ELECTRODES).
3. ALWAYS INSTALL BEAM STIFFENERS IN PAIRS, ON EACH SIDE OF WEB. LINLESS OTHERWISE NOTED, STIFFENERS SHALL BE OF 13mm STEEL PLATE AND WELDED TO BEAM WITH 8mm FILLET WELDS.
4. ALL STHEM SWORK TO CONTORM DECISIONS TO BEAM WITH 8mm FILLET WELDS.
5. ALL STEEL WORK TO CONTORM TO CAN/CSA S16 01, CSA W59, AND CSA W7.1. ALL WELDING SHALL BE PERFORVED BY A CERTIFIED WELDER.
6. BY A CERTIFIED WELDER.
6. BY A CERTIFIED WELDER.
7. ALL STOLL WORK TO CONTORM TO CAN/CSA S16 01, CSA W59, AND CSA W7.1. ALL WELDING SHALL BE PERFORVED BY A CERTIFIED WELDER.
7. ALL STACING STRUTS, INCLUDING (BUT NOT LIMITED TO) V-BRACING MET SENDING FROM THE MAXIMUM EVENLY DISTRIBUTED LOAD THAT THE MEMBER SHEAR CAPACITY OF THE SENDING FROM THE MEMBER'S TENSION CAPACITY IN BOTH TENSION AND COMPRESSION. SUCH BRACING MEMBERS AND STRUTS, INCLUDING (BUT NOT LIMITED TO) V-BRACING MEMBERS ARE CONSIDERED TO SETERIFICE REVERSING LOADS AND AS SUCH SHALL BE FURNISHED WITH SUP-ORTICAL CONNECTION.
7. ALL BRACING AND BRACING STRUTS, IN EXTERIOR WALLS SHALL BE FURNISHED WITH SUP-ORTICAL CONNECTION. TO RESISTS AXIAL LOAD AS PER NOTE #75.
8. SUBMIT CONNECTION SHOULD BE ACCITED TO PRACTICE WELDS.
9. SUBMIT CONNECTION SHOULD BE ACCITED TO PRACTICE IN THE MORTHWEST TERRITORES.
10. SHOP PRIME ALL STEEL SECTIONS EXCEPT THOSE TO BE CAST IN OR AGAINST CONCRETE. AND THOSE REQUIRING THEM WELDS.
11. STEEL DECKING SHALL BE ZING PLATED/GALVANIZED. LAP DECKING MINIMUM OF 300mm. LAPS SHALL OCCUR OVER THE MEMBER TO FREELY DEFLICT NOT LESS THAN 38mm.
12. MELDING OF STANNESS SHEEL TO STRUCTURAL MEMBERS SHALL BE EQUIPPED WITH DEFLICTIONS TRACTOREL STUDS THAN 38mm.
13. WELDING OF STANNESS SHEEL TO STRUCTURAL SHEEL SHALL BE AS PER REQUIREMENTS OF CSA W59-03 (R2CO8) <u>Structural Steel</u> 1. All Steel Plate, angles, and c—channels shall be grade 300w. All other steel sections shall be grade 350w. 10. ii) DEAD LOADS: SELF-WEIGHT OF STRUCTURE

1.5 kPa (ROOF)

1.5 kPa (FLOOR)

1.5 kPa (Ss - SNOW)

2.9 kPa (Ss - SNOW)

0.2 kPa (Sr - ASSOCIATED RAIN)

UNFACTORED/UNMODIFIED LATERAL GRAVITY LOADS

i) WIND:

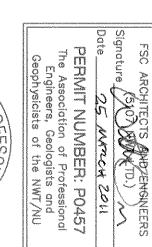
0.54 kPa MODIFIED/UNFACTORED SPECIFIC DESIGN LOADS i) WIND EXTERIOR WALL DESIGN PRESSURE 0.95/-0.75 kPa. ROOF DESIGN UPLIFT (SUCTION) -1.22 kPa. UNFACTORED/UNMODIFIED DESIGN GRAVITY LOADS

i) LIVE LOADS: 1.0 kPa OR 1.3 kN (ROOF)

4.8 kPa (FLOOR) & STANDARDS DESIGN LOADING AS PER THE 2005 EDITION OF THE NATIONAL BUILDING CODE OF STRUCTURAL STEEL MEMBERS DESIGNED IN ACCORDANCE WITH CAN/CSA S16-01. CANADA (NBCC 2005).

> 06 05 04 02 100% SU 75% SUB 50% SUB

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\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	The Association of Professional Engineers, Geologists and Geophysicists of the NWT/NU	PERMIT NUMBER: P0457	PERMIT TO PRACTICE FSC ARCHITECTS AND ZENGINEERS (5107) (2017) Signature (5107) (2017)



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	867 920 4319	Canada	P.O. Box 1777	NEERS	

NEW WATER
PUMP/CHLORINATION
FACILITY AND INTAKE
STRUCTURE

NOTES

BAKER LAKE, NU

MJW

07-3023

2007-0650

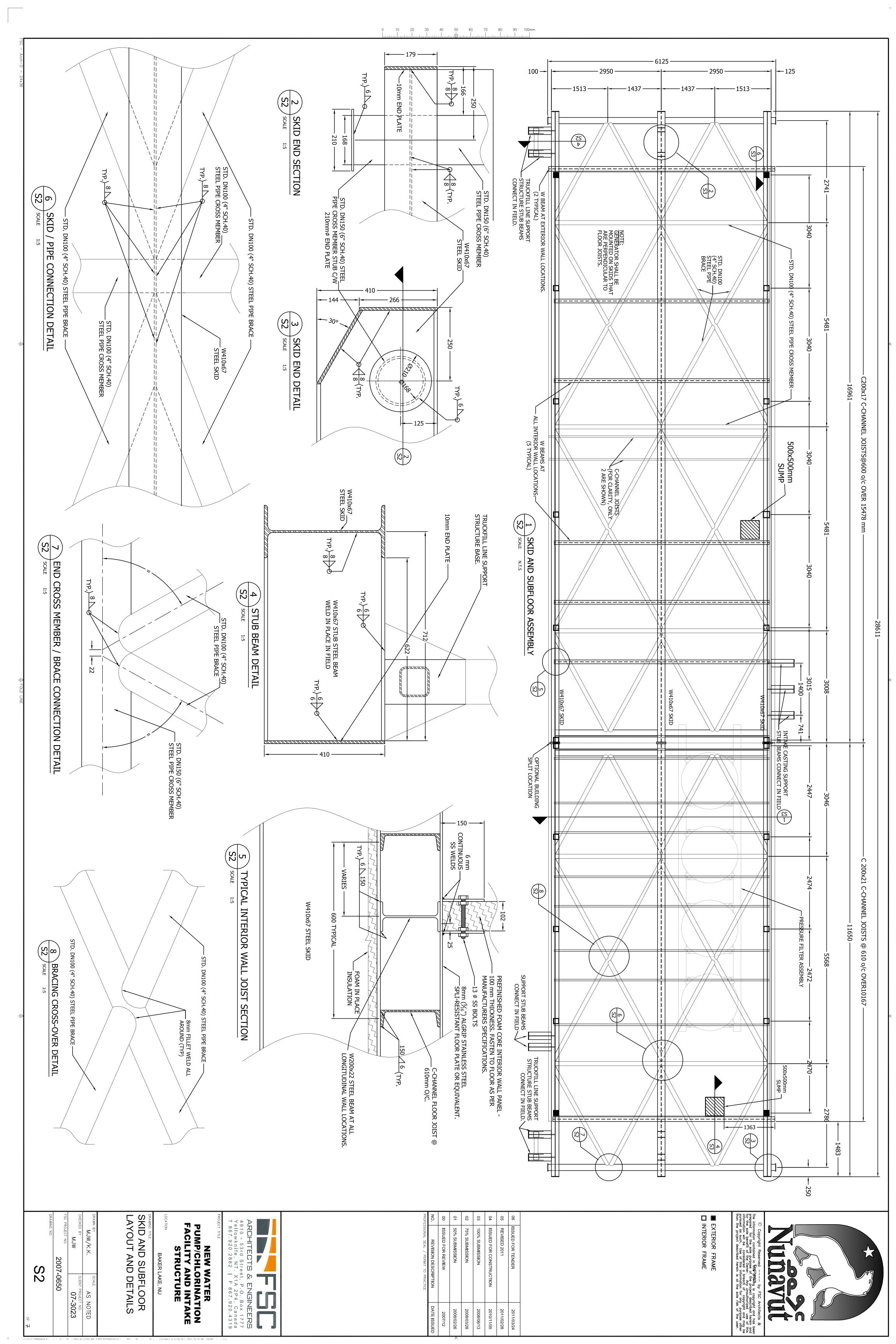
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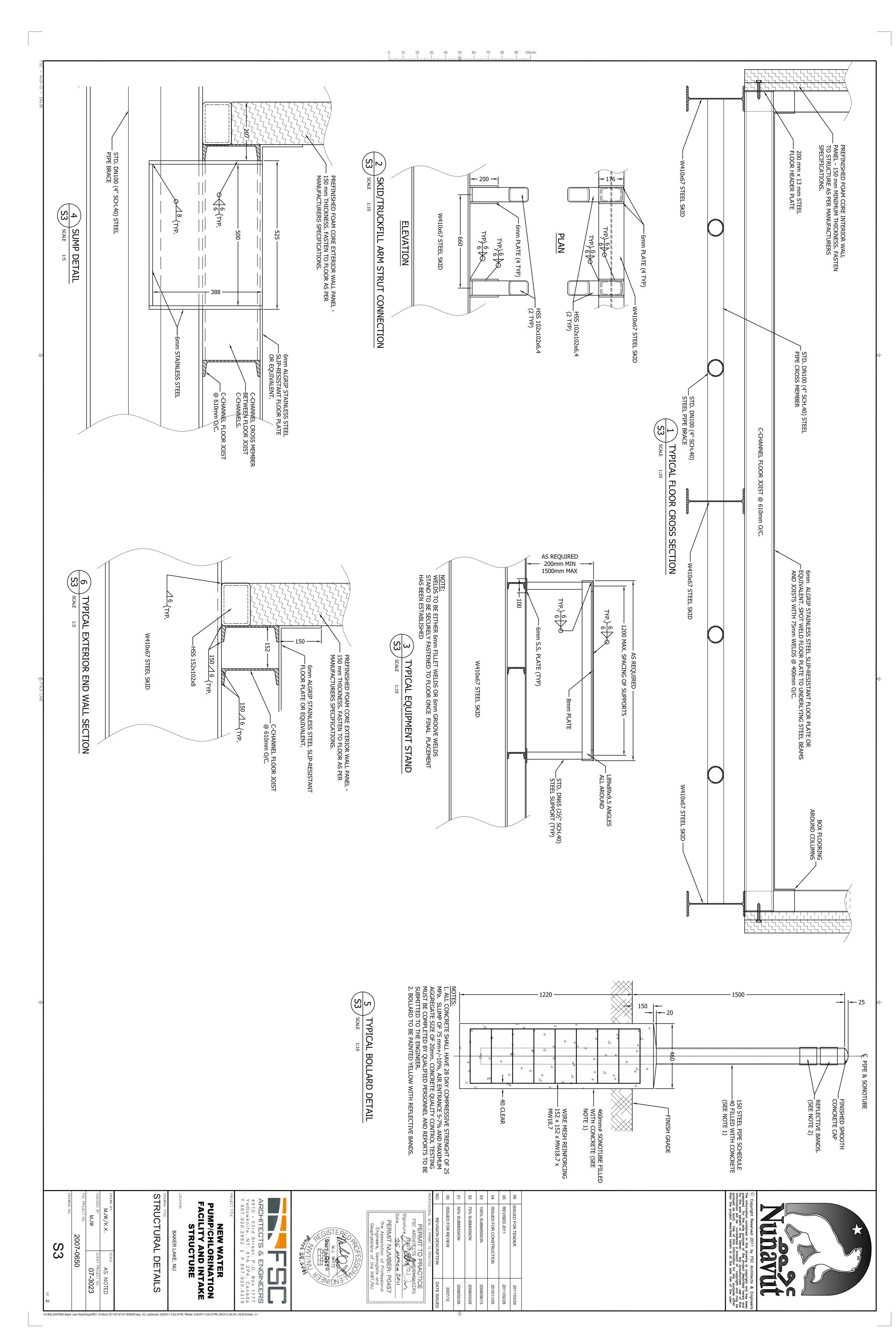
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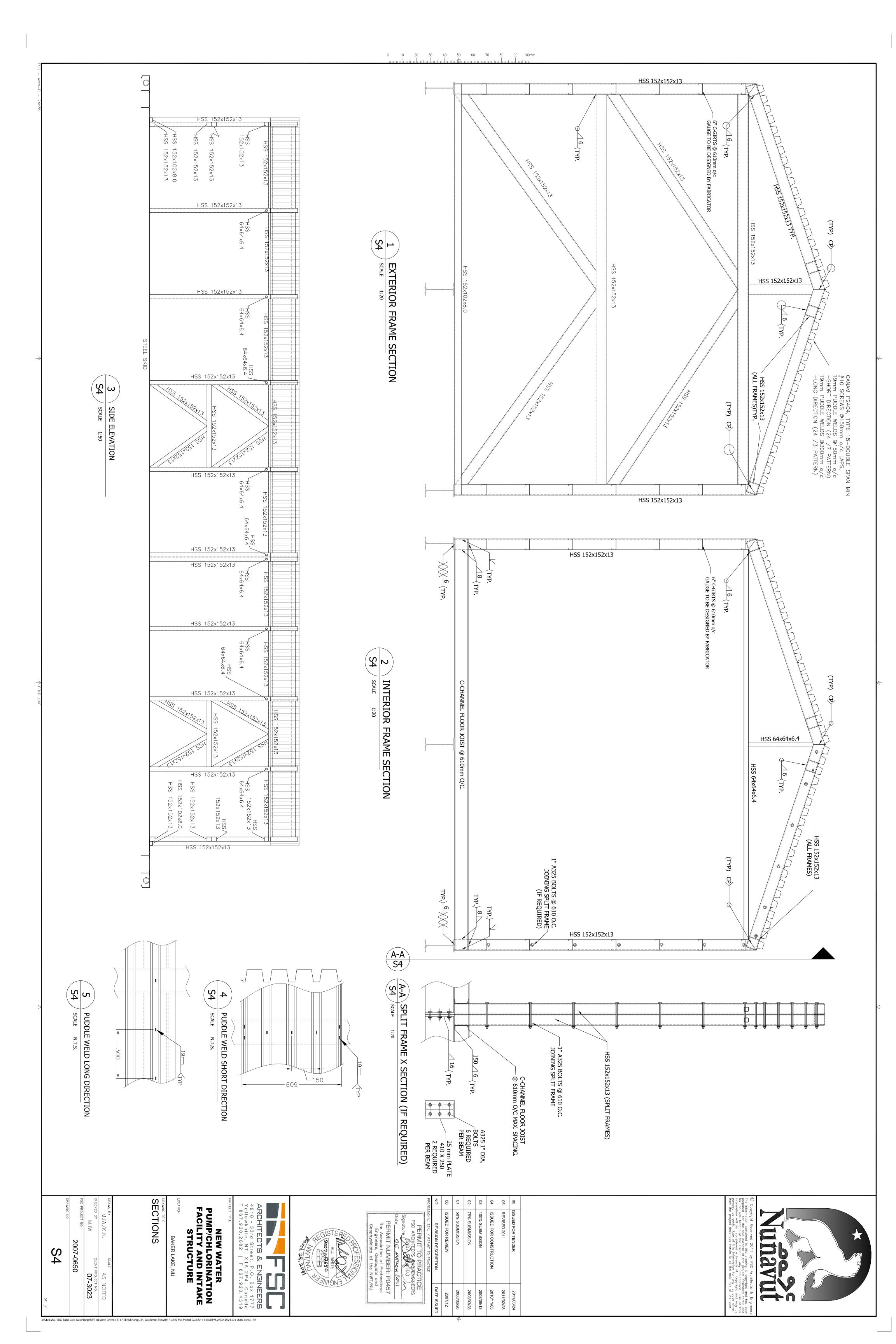
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	2008/03/28	BMISSION
	2008/06/13	UBMISSION
	2010/11/05	FOR CONSTRUCTION
	2011/02/28	:D 2011

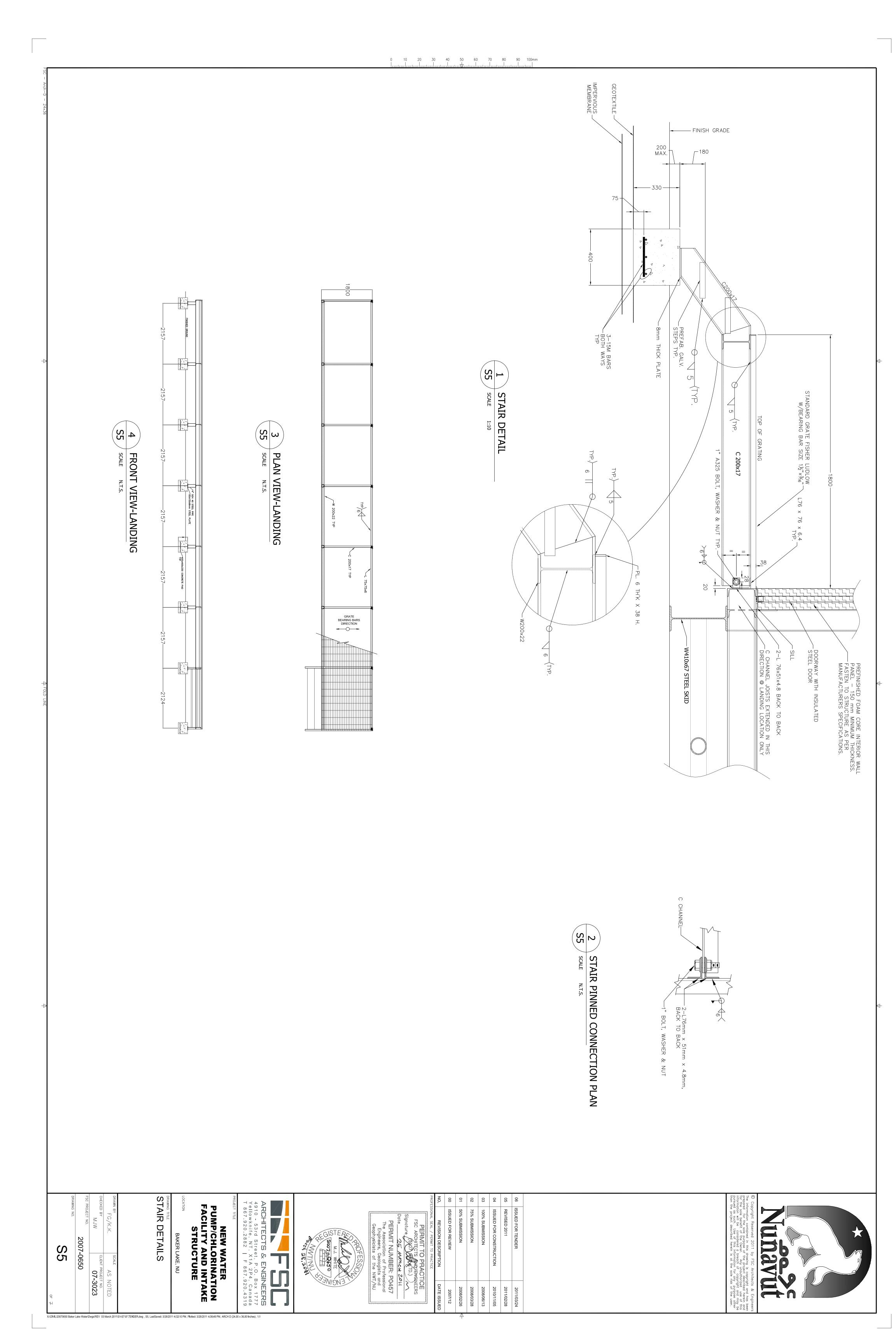
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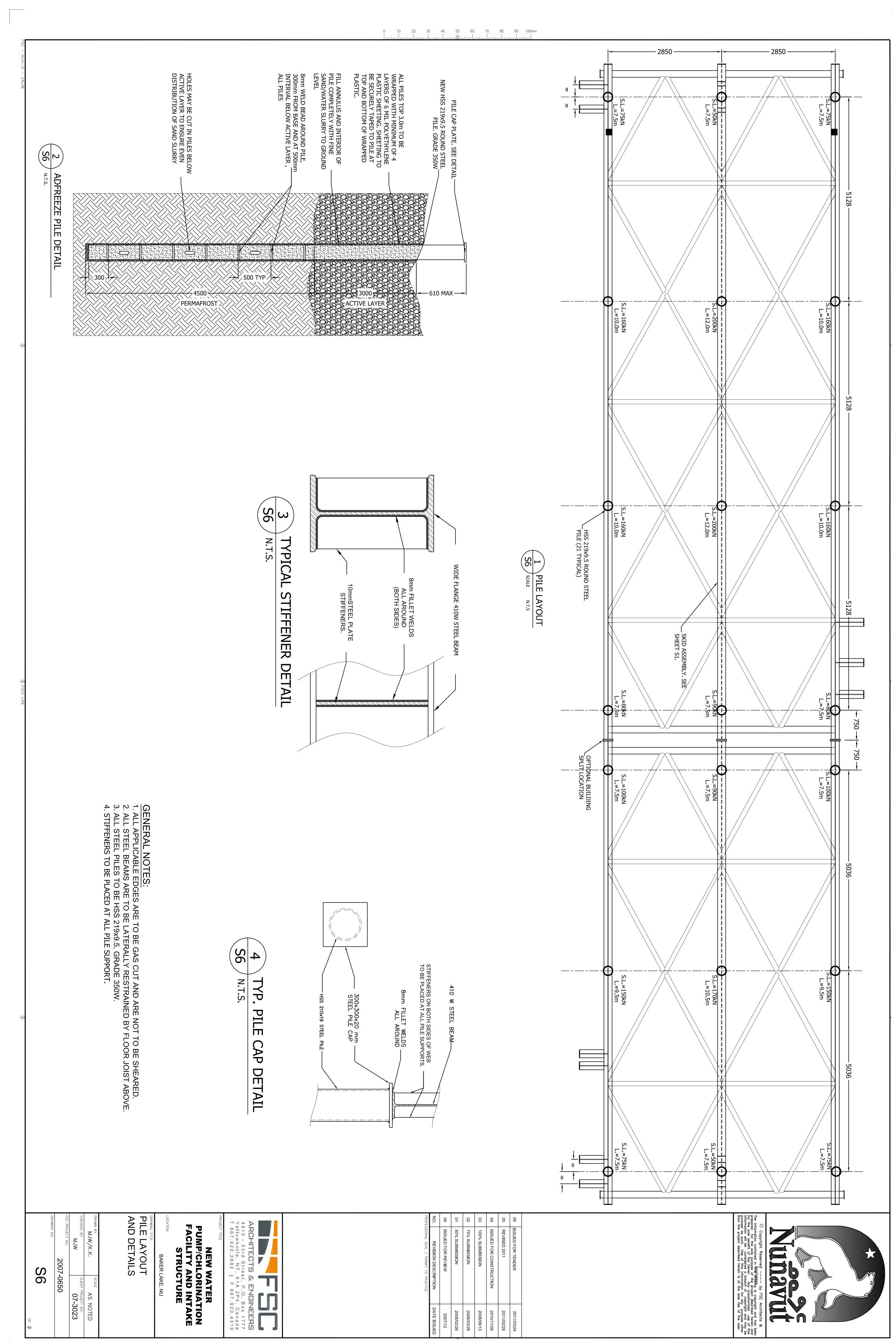


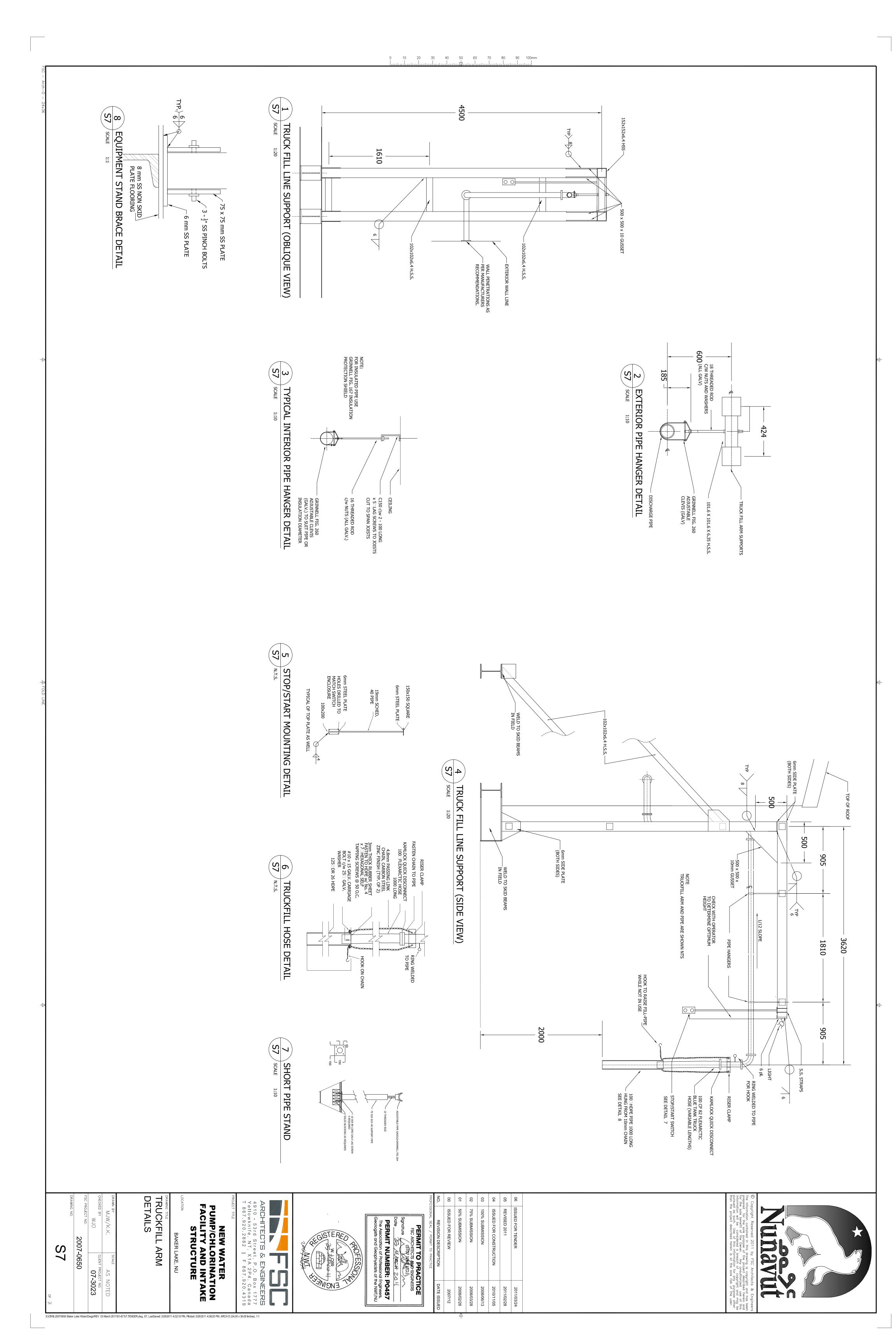












0 10 20 30 40 50 60 70 80

SN2 SN4 SN5 SMH1 SN3 SB1 ITEM ITEM RN1 RB1 TSI ROOF APPURTENANCES FOR NEW WATER STORAGE 100 ø
200 ø
50 ø
760 ø
200 ø 150 ø 150 ø SIZE ELEV. ABOVE BASE RING (TO CL) HOR. LOCATION FROM EDGE OF SHELL (CL) 500 100 100 740 500 MIDDLE OF TANK VERTICAL TANK TANK INLET

TANK SUCTION LINE

TANK SUCTION LINE

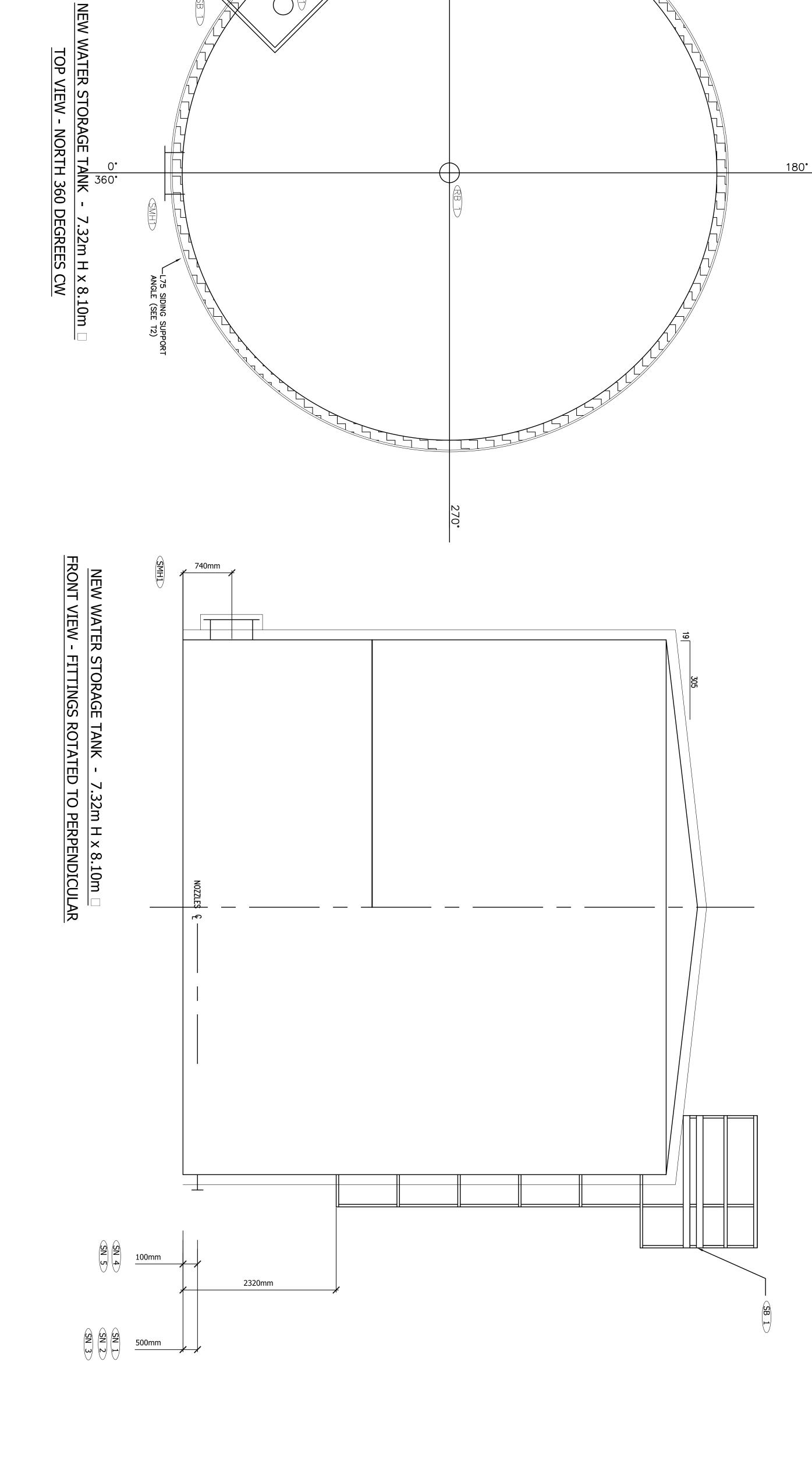
TANK DRAIN VALVE WITH KAMLOCK (SUPPLY 6.0m × 50mmø HOSE FOR TANK DRAINING)

COVER 960mm, NECK 760mm, FLANGE THICKNESS 11mm, COVER THICKNESS 14mm.

OVERFLOW / VENT LINE

CENTER OF ACCESS LADDER LEVEL GAUGE DESCRIPTION CABLE SUPPORT POST
LEVEL GAUGE ACCESS PORT SEE DETAIL DRAWING
SEE DETAIL DRAWING
SEE DETAIL DRAWING COMMENTS COMMENTS DETAIL DETAIL DRAWING DRAWING ANGULAR LOCATION –
CW DECIMAL DEGREES
90.00
90.00
90.00
360.00
135.00
45.00 ANGULAR LOCATION — CW DECIMAL DEGREES 45.00

ORIENTATION PLAN NEW WATER STORAGE TANK



90.

SN 4

NEW WATER
PUMP/CHLORINATION
FACILITY AND INTAKE
STRUCTURE ARCHITECTS & ENGINEERS 910 - 53rd Street, P.O. Box 1777 ellowknife, NT, X1A 2P4, Canada 867.920.2882 | F 867.920.4319 X:1CIVIL\20070650 Baker Lake Water\Dwgs\2011 04 15\T1-T4 REV 20110326.dwg , T1, LastSaved: ---, Plotted: 4/19/2011 12:23:38 AM, ARCH D (24.00 x 36.00 Inches), 1:1

TOP AND SIDE VIEW OF WATER TANK

BAKER LAKE, NU

WO PROJECT NO.

07-3023

2007-0650

MUW

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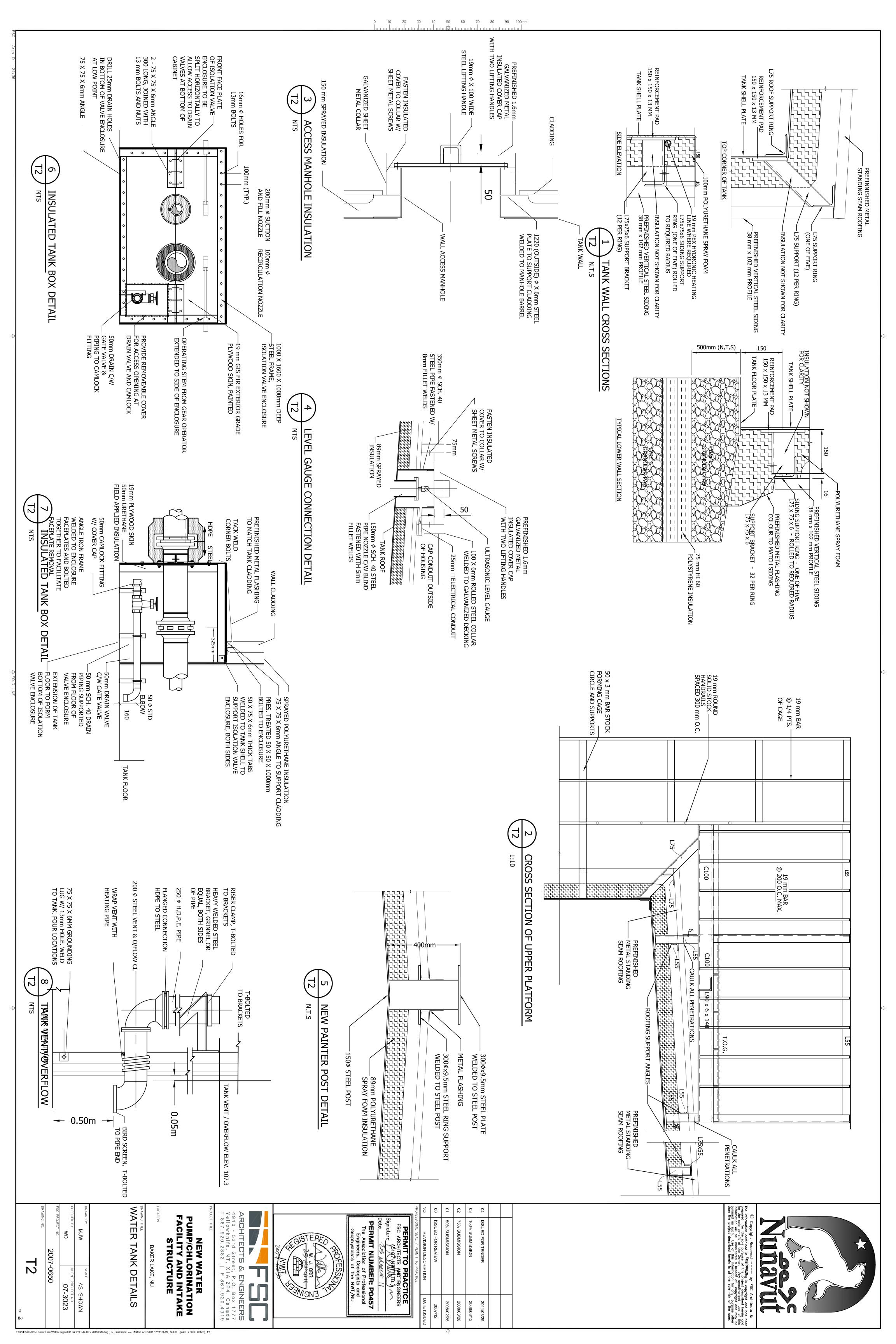
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The Association of Professional
Engineers, Geologists and
Geophysicists of the NWT/NU

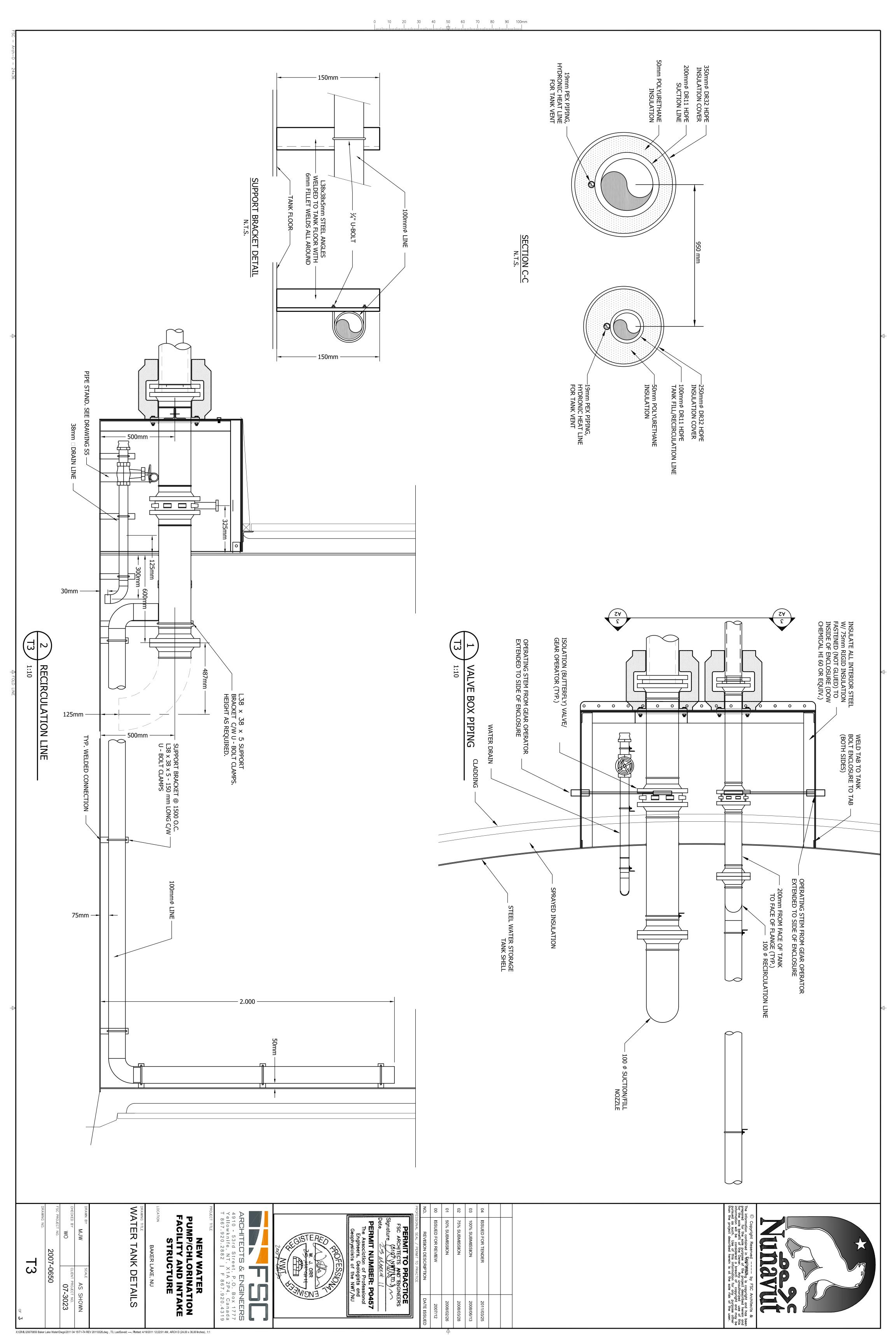
PERMIT TO PRACTICE
FSC ARCHITECTS AND ENGINEERS
ignature (5197) NOTE:

The state of the state of

75% SUBMISSION ISSUED FOR TENDEF 2008/03/28 2008/06/13

02 03





0 10 20 30 40 50 60 70 80 90 100mm

360°

(SMH1)

Mati LIST ROOF APPURTENANCES FOR NEW WATER STORAGE VERTICAL TANK LIST OF REQUIRED APPURTENANCES FOR NEW BACKWASH 150 ø 50 ø 150 ø 200 ø 150 ø 50 ø SIZE 150 ø SIZE 760 Ø ELEV. ABOVE BASE RING (TO CL) 4275 500 900 4125 4125 1100 HOR. LOCATION FROM EDGE OF SHELL (CL)

MIDDLE OF TANK 740 STORAGE VERTICAL TANK
DESCRIPTION TANK INLET
OVERFLOW / VENT LI
TANK SUCTION LINE
TANK HEATING LINE
TANK HEATING LINE
CENTER OF ACCESS I CABLE DESCRIPTION LEVEL GAUGE ACCESS PORT COVER SUPPORT POST 960mm, NECK LINE 760mm, FLANGE THICKNESS 11mm, COVER THICKNESS 14mm. SEE DETAIL
SEE DETAIL COMMENTS COMMENTS DETAIL DRAWING DRAWING DRAWING ANGULAR LOCATION – CW DECIMAL DEGREES 270.00 0/S 400mm 0.00 45.00 270.00 0/S 780mm 270.00 0/S 1090mm 135.00 225.00 ANGULAR LOCATION -CW DECIMAL DEGREES 135.00

SN6 SB1 SMH1

SN2 SN3 SN4 SN5

Mali

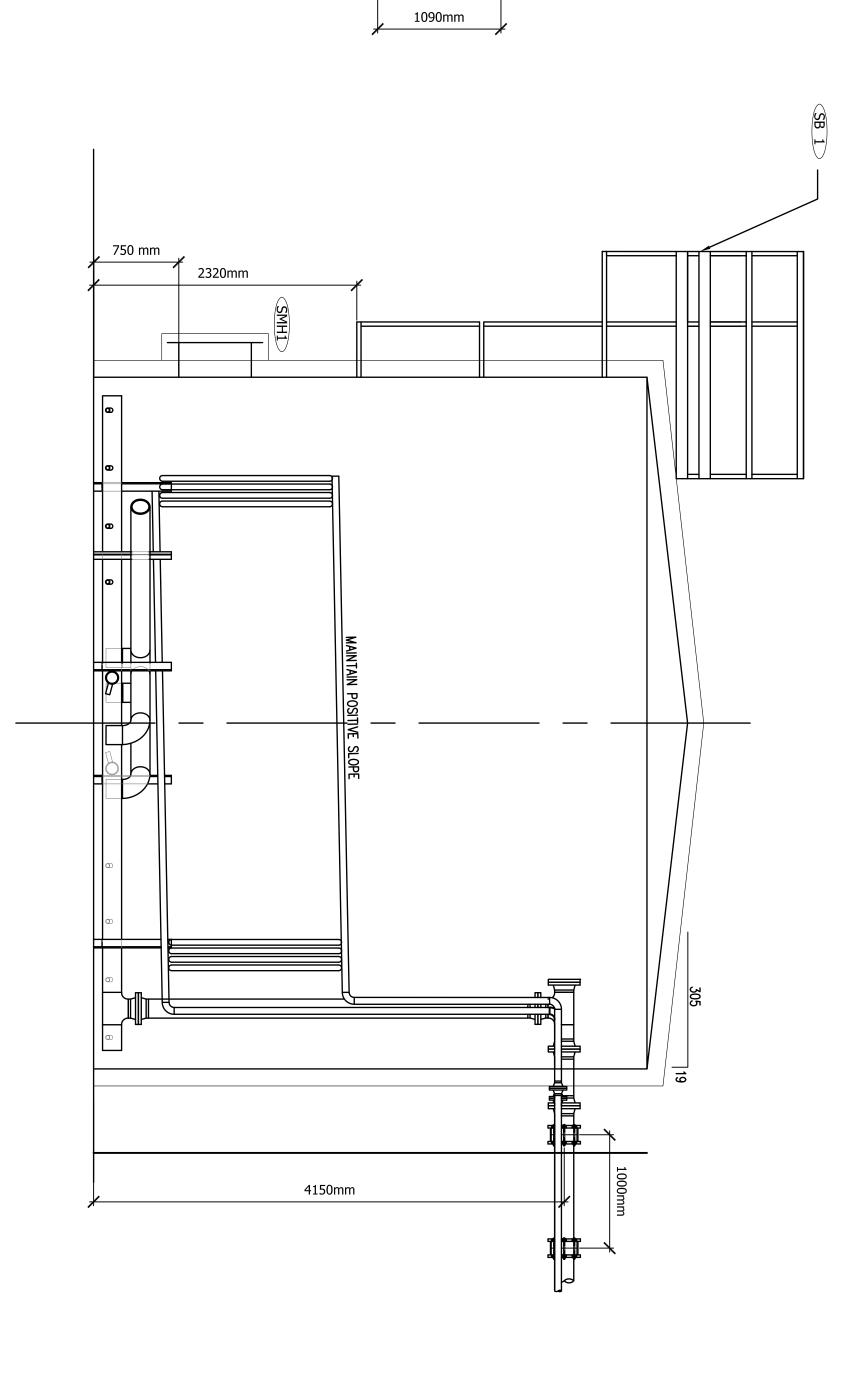
RN1

RB1

ORIENTATION PLAN NEW BACKWASH STORAGE TANK

NEW BACKWASH STORAGE TANK - 4.88m H x 6.10m | FRONT VIEW - FITTINGS ROTATED TO PERPENDICULAR NEW BACKWASH STORAGE TANK -4.88m H x 6.10m





270°

90.

	PRO	NO.	00	01	02	03	04		
PERMIT TO PRACTICE	PROFESSIONAL SEAL / PERMIT TO PRACTICE	D. REVISION DESCRIPTION	0 SSUED FOR REVIEW	1 50% SUBMISSION	2 75% SUBMISSION	3 100% SUBMISSION	4 SSUED FOR TENDER		
		DATE ISSUED	2007/12	2008/02/26	2008/03/28	2008/06/13	2011/03/25		



180°

TOP AND SIDE VIEW OF BACKWASH TANK NEW WATER
PUMP/CHLORINATION
FACILITY AND INTAKE
STRUCTURE WO PROJECT NO. GM BAKER LAKE, NU 2007-0650 07-3023 AS SHOWN X:1CIVIL\20070650 Baker Lake Water\Dwgs\2011 04 15\T1-T4 REV 20110326.dwg , T4, LastSaved: ---, Plotted: 4/19/2011 12:22:50 AM, ARCH D (24.00 x 36.00 Inches) , 1:1

PERMIT NUMBER: P0457
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ARCHITECTS

& ENGINEERS

910 - 53rd Street, P.O. Box 1777 ellowknife, NT, X1A 2P4, Canada 867.920.2882 | F 867.920.4319

FSC ARCHITECTS AND ENGINEERS
(5197 NYTHID.)

ROOF CONSTRUCTION ASSEMBLIES

刄

MAIN FLOOR LEVEL BH HM HM NO R OPENING FROM 101 102 103 103 104 106 106 Hollow Metal Hollow Metal Insulated Slab Half Glazed Painted D FRAME SCHEDULE
IDENTIFICATION
ROOM NO.
OPENING SWINGS OF FROM INTO
101 Exterior
102 Exterior
103 Exterior
104 Exterior
105 104
106 104
107 104 ₽ND FINISHES LEGEND NUMBER OF LEAFS 45 min 4444444 ი ი ი ი ი ი ი ი ი GWG (FINSIH 22222222 Georgian Wired Glass >>>0< TBS TBS TBS PS PS PS 124 124 124 4446466 RE GROUP KEYSIDE SPACE Exterior
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104
Exterior
104
-REMARKS NO. 101.1 102.1 103.1 103.2 104.1 105.1 106.1

ROOF (CHLORINE ROOM) (RS/8.13/R-46)

152 MM THICK PRE-FINISHED INSULATED METAL WALL PANEL, PROFILE & CONFIGURATION AS PER EXTERIOR ELEVATIONS, COLOUR: AS PER OWNER MECHANICAL FASTENERS AS PER MANUFACTURER'S SPECIFICATIONS TO STEEL SUPPORT FRAMES AS PER STRUCTURAL DRAWINGS S1 THRU S5

DROPPED CEILING:

19 MM T&G PLYWOOD GLUED & SCREWED TO
152 MM STEEL CEILING JOIST @ 610 MM O.C.

15.9 MM MOISTURE & MOLD-RESISTANT GYPSUM BOARD TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER UNDER SIDE OF GYPSUM BOARD TO BE 2743 MM ABOVE FINISHED FLOOR.

R4

ROOF (OFFICE & WASHROOM) (RS/8.13/R-46)

152 MM THICK PRE-FINISHED INSULATED METAL WALL PANEL, PROFILE & CONFIGURATION AS PER EXTERIOR ELEVATIONS, COLOUR: AS PER OWNER MECHANICAL FASTENERS AS PER MANUFACTURER'S SPECIFICATIONS TO STEEL SUPPORT FRAMES AS PER STRUCTURAL DRAWINGS S1 THRU S5 DROPPED CEILING:

19 MM T&G PLYWOOD GLUED & SCREWED TO
152 MM STEEL CEILING JOIST @ 610 MM O.C.
150 MM MINERAL FIBRE INSULATION (FRICTION FIT) BETWEEN JOISTS
15.9 MM MOISTURE & MOLD-RESISTANT GYPSUM BOARD
TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER UNDER SIDE OF GYPSUM BOARD TO BE 2743 MM ABOVE FINISHED FLOOR.

FLOOR CONSTRUCTION ASSEMBLIES

MAIN FLOOR - NONCOMBUSTIBLE CONSTRUCTION (230 MM, RS) 8.45 / R-48)
8 MM STAINLESS STEEL SLIP RESISTANT FLOOR PLATE, ALL SEAMS WELDED C200x21 STEEL CHANNEL JOISTS @ 610 MM O.C. WELED TO STEEL BEAMS AS PER STRUCTURAL DRAWINGS S1 THRU S5
203 MM POLYURETHANE SPRAY FOAMED BETWEEN JOISTS
SPUN OLEFIN WEATHER BARRIER
19 MM PRE-FINISHED METAL CLADDING SOFFIT LINER PANEL, MECHANICAL FASTENED AS PER MANUFACTURER

R3

ROOF (GENERATOR) (368 MM, RS/ 8.13 / R-46)

152 MM THICK PRE-FINISHED INSULATED METAL WALL PANEL, PROFILE & CONFIGURATION AS PER EXTERIOR ELEVATIONS, COLOUR: AS PER OWNER MECHANICAL FASTENERS AS PER MANUFACTURER'S SPECIFICATIONS TO STEEL SUPPORT FRAMES AS PER STRUCTURAL DRAWINGS S1 THRU S5 FOUR LAYERS 15.9 MM TYPE-X MOISTURE & MOULD-RESISTANT GYPSUM BOARD, JOINTS TO BE STAGGERED 610 mm EACH LAYER

TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER

R2

ROOF (152 MM, RSI 8.13 / R-46)

152 MM THICK PRE-FINISHED INSULATED METAL WALL PANEL, PROFILE & CONFIGURATION AS PER EXTERIOR ELEVATIONS, COLOUR: AS PER OWNER MECHANICAL FASTENERS AS PER MANUFACTURER'S SPECIFICATIONS TO STEEL SUPPORT FRAMES AS PER STRUCTURAL DRAWINGS S1 THRU S5

EXTERIOR WALL (GENERATOR) (352 MM, Insulation Value RSI 8.13 / R-46)
152 MM THICK PRE-FINISHED INSULATED METAL WALL PANEL, PROFILE &
CONFIGURATION AS PER EXTERIOR ELEVATIONS, COLOUR: AS PER OWNER
MECHANICAL FASTENERS AS PER MANUFACTURER'S SPECIFICATIONS TO
STEEL SUPPORT FRAMES AS PER STRUCTURAL DRAWINGS S1 THRU S5
152 STEEL STUDS @ 406 MM O.C.
THREE LAYERS 15.9 MM TYPE-X MOISTURE & MOULD-RESISTANT GYPSUM
BOARD, JOINTS TO BE STAGGERED 610 mm EACH LAYER
TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER

1. ALL FIRE AND SOUND RATED PARTITIONS ARE TO EXTEND TO THE UNDERSIDE OF ROOF DECK, FLOOR SLAB OR FLOOR DECK AS APPLICABLE.

2. REFER TO FLOOR PLANS FOR PARTITION LOCATIONS.

3. ALL STEEL STUD PARTITIONS TO HAVE MID-HEIGHT CONTINUOUS BRIDGING CHANNEL C/W BRIDGING ANGLE CLIP.

4. LOCATE CONTROL JOINTS AT 10M O.C. ON 1500 MODULE OR ABOVE DOOR FRAME CORNER WHEREVER POSSIBLE.

5. PARTITIONS NOT SPECIFICALLY DESIGNATED SHALL BE CONSIDERED TO BE CONSTRUCTED AS A **GW1** WALL ASSEMBLY AND EXTEND 150 MM ABOVE FINISHED CEILING.

6. ACOUSTICALLY SEAL PERIPHERY OF WALL AND ALL PENETRATIONS AIRTIGHT.

7. FIRE CAULK ALL PENETRATIONS THROUGH FIRE RATED SEPARATIONS.

8. UNLESS NOTED OTHERWISE, ALL NEW GYPSUM BOARD USED FOR WALLS IS TO BE MOISTURE AND MOLD-RESISTANT.

9. REFER TO ROOM FINISH SCHEDULE FOR REQUIRED FINISHES BEYOND THAT NOTED IN THE INTERIOR WALL CONSTRUCTION ASSEMBLIES LISTED HEREIN.

GW3

EL, PROFILE &
AS PER OWNER
IFICATIONS TO
S1 THRU S5

EW1 EXTERIOR WALL CONSTRUCTION ASSEMBLIES EXTERIOR WALL (152 MM, RSI 8.13 / R-46)

152 MM THICK PRE-FINISHED INSULATED METAL WALL PANEL CONFIGURATION AS PER EXTERIOR ELEVATIONS, COLOUR: A MECHANICAL FASTENERS AS PER MANUFACTURER'S SPECIF STEEL SUPPORT FRAMES AS PER STRUCTURAL DRAWINGS S

INTERIOR WALL CONSTRUCTION ASSEMBLIES

INTERIOR WALL CONSTRUCTION ASSEMBLIES

 \circ 0 \circ NOTE

1. PRE-CAST CONCRETE SPLASH PADS
SLOPE AWAY FROM THE BUILDING UNDER
ALL DOWN-SPOUTS. INTERIOR FRAME
EXTERIOR/END FRAME
STRUCTURAL DRAWINGS FOR DETAIL) 0 0 Π \bigcirc **R**2 - 3387 - \bigcirc UEL DAY TAI 쯔 0 BOILER BOILER BOILER 0 2 B4 FLOOR PLAN
B1 SCALE 1:75 0 Ħ 0 1 B4 0 쪼 0 0 0 NEW 360 000 L INSULATED TREATED WATER TANK 0

 \circ

(124 MM, STC 38)

TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER 15.9 MM MOISTURE & MOLD-RESISTANT GYPSUM BOARD 92 MM STEEL STUDS @ 406 MM O.C.
15.9 MM MOISTURE & MOLD-RESISTANT GYPSUM BOARD TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER (216 MM, STC 59, 2hr frr - NBCC S9A)

TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER

TWO LAYERS 15.9 MM TYPE-X MOISTURE & MOLD-RESISTANT GYPSUM

BOARD, JOINTS TO BE STAGGERED 610 mm EACH LAYER AND SIDE

92 MM STEEL STUDS @ 406 MM O.C.

89 MM 2.8kg/sm MINERAL FIBRE INSULATION (FRICTION FIT) BEWTEEN STUDS

TWO LAYERS 15.9 MM TYPE-X MOISTURE & MOLD-RESISTANT GYPSUM

BOARD, JOINTS TO BE STAGGERED 610 mm EACH LAYER AND SIDE

TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER (124 MM, STC 47, 1hr fir - NBCC S4B)
TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER
15.9 MM TYPE-X MOISTURE & MOLD-RESISTANT GYPSUM BOARD
92 MM STEEL STUDS @ 406 MM O.C.
89 MM 2.8kg/sm MINERAL FIBRE INSULATION (FRICTION FIT) BEWTEE
15.9 MM TYPE-X MOISTURE & MOLD-RESISTANT GYPSUM BOARD
TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER (184 MM, STC 41)

TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER
15.9 MM MOISTURE & MOLD-RESISTANT GYPSUM BOARD
152 MM STEEL STUDS @ 406 MM O.C.
150 MM MINERAL FIBRE INSULATION (FRICTION FIT) BEWTEEN STUDS
15.9 MM MOISTURE & MOLD-RESISTANT GYPSUM BOARD
TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER (124 MM, STC 47)

TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER 15.9 MM MOISTURE & MOLD-RESISTANT GYPSUM BOARD 92 MM STEEL STUDS @ 406 MM O.C.
89 MM MINERAL FIBRE INSULATION (FRICTION FIT) BEWTEEN STUDS 15.9 MM MOISTURE & MOLD-RESISTANT GYPSUM BOARD TAPED, MUDDED, SANDED AND PAINTED, COLOUR: AS PER OWNER 'RICTION FIT) BEWTEEN STUDS T GYPSUM BOARD OUR: AS PER OWNER

ellowknife, NT, X1A 2P4, Canada 867.920.2882 | F 867.920.4319

NEW WATER
PUMP/CHLORINATION
FACILITY AND INTAKE
STRUCTURE

ASSEMBLIES & SCHEDULES

X:CIVIL\20070650 Baker Lake Water\Dwgs\2011 04 15\B1-B4 REV 20110414.dwg, B1, LastSaved: ---, Plotted: 4/19/2011 12:27:45 AM, ARCH D (24.00 x 36.00 Inches), 1:1

MJW/GS/IGM

OLW

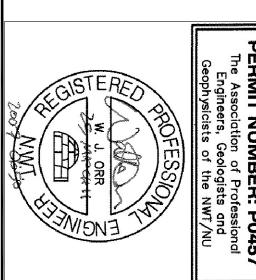
07-3023

2007-0650

FLOOR PLAN,

BAKER LAKE, NU

ARCHITECTS & ENGINEERS



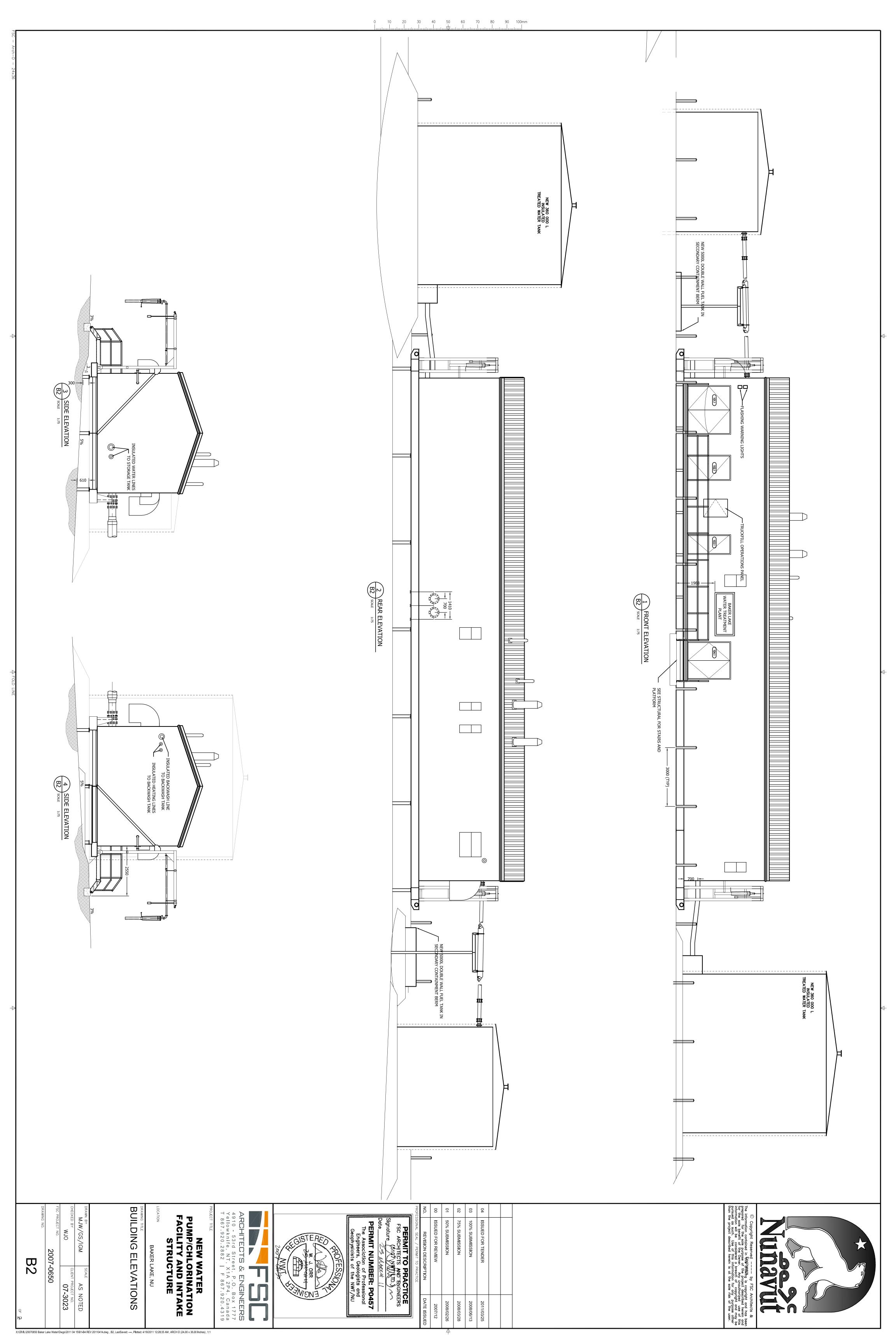
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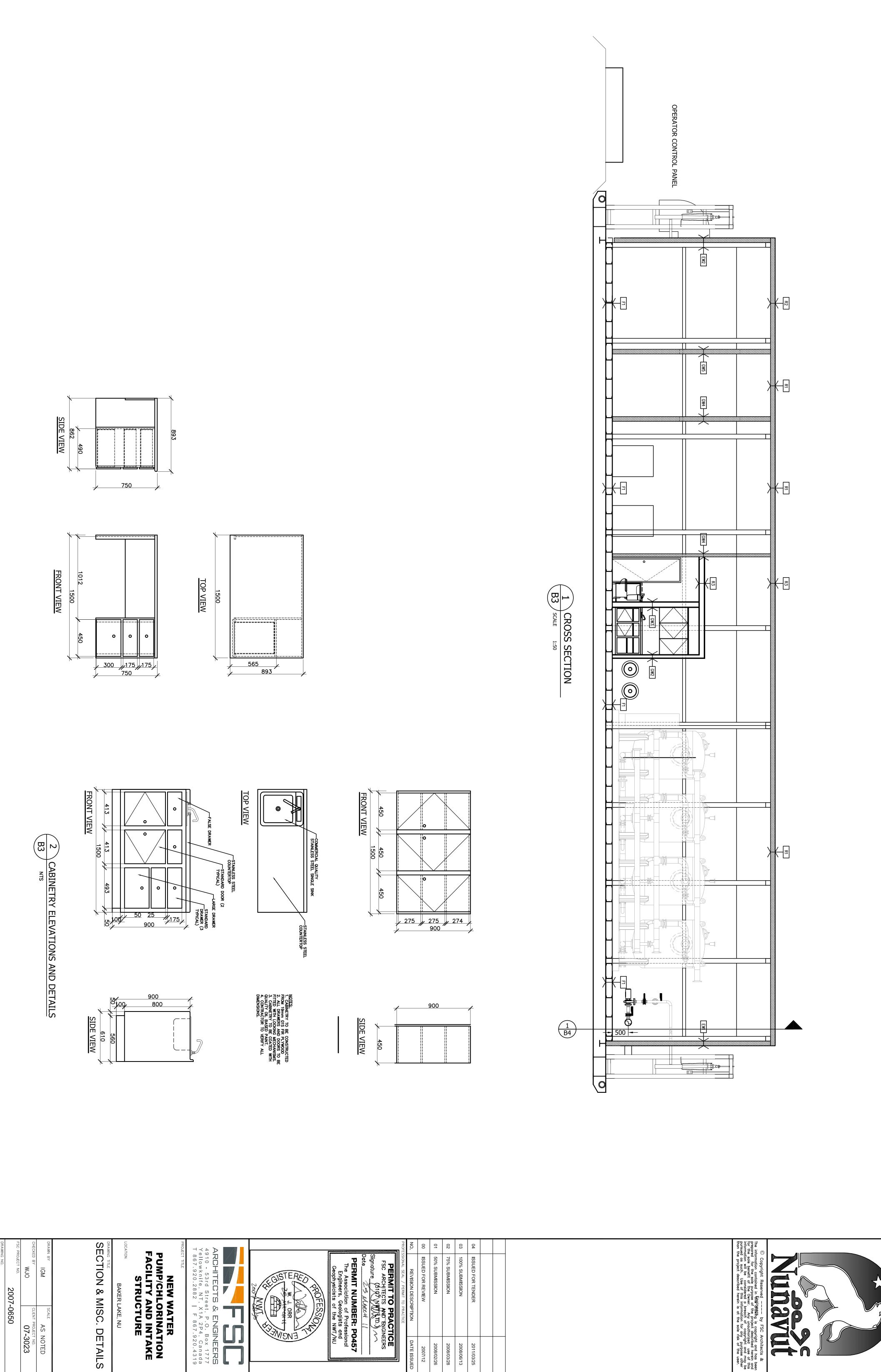
PERMIT TO PRACTICE
FSC ARCHITECTS AND ENGINEERS
ignature (5197 N TD.)

PERMIT NUMBER: P0457

75% SUBMISSION ED FOR TENDER 2008/03/28 2008/06/13

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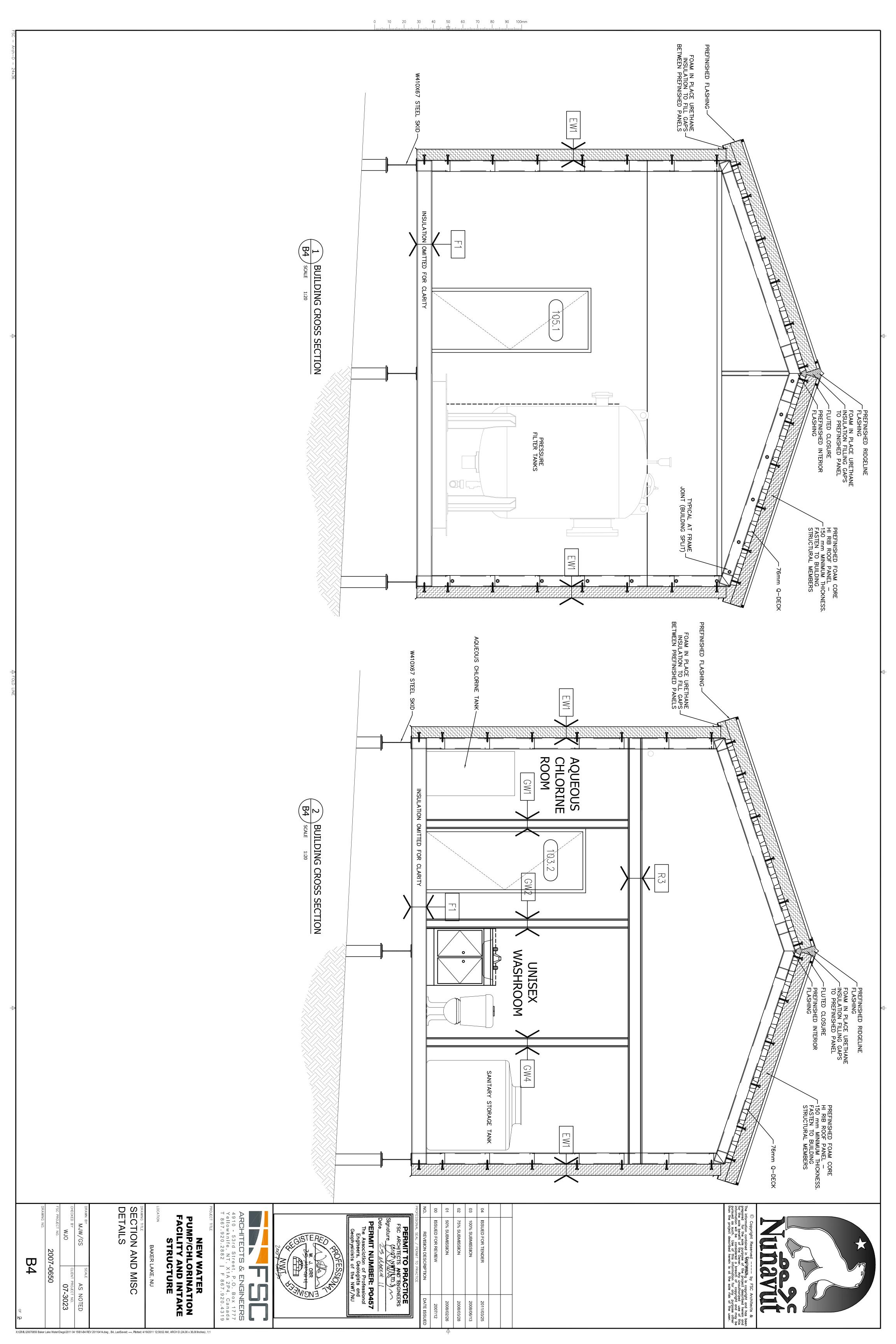


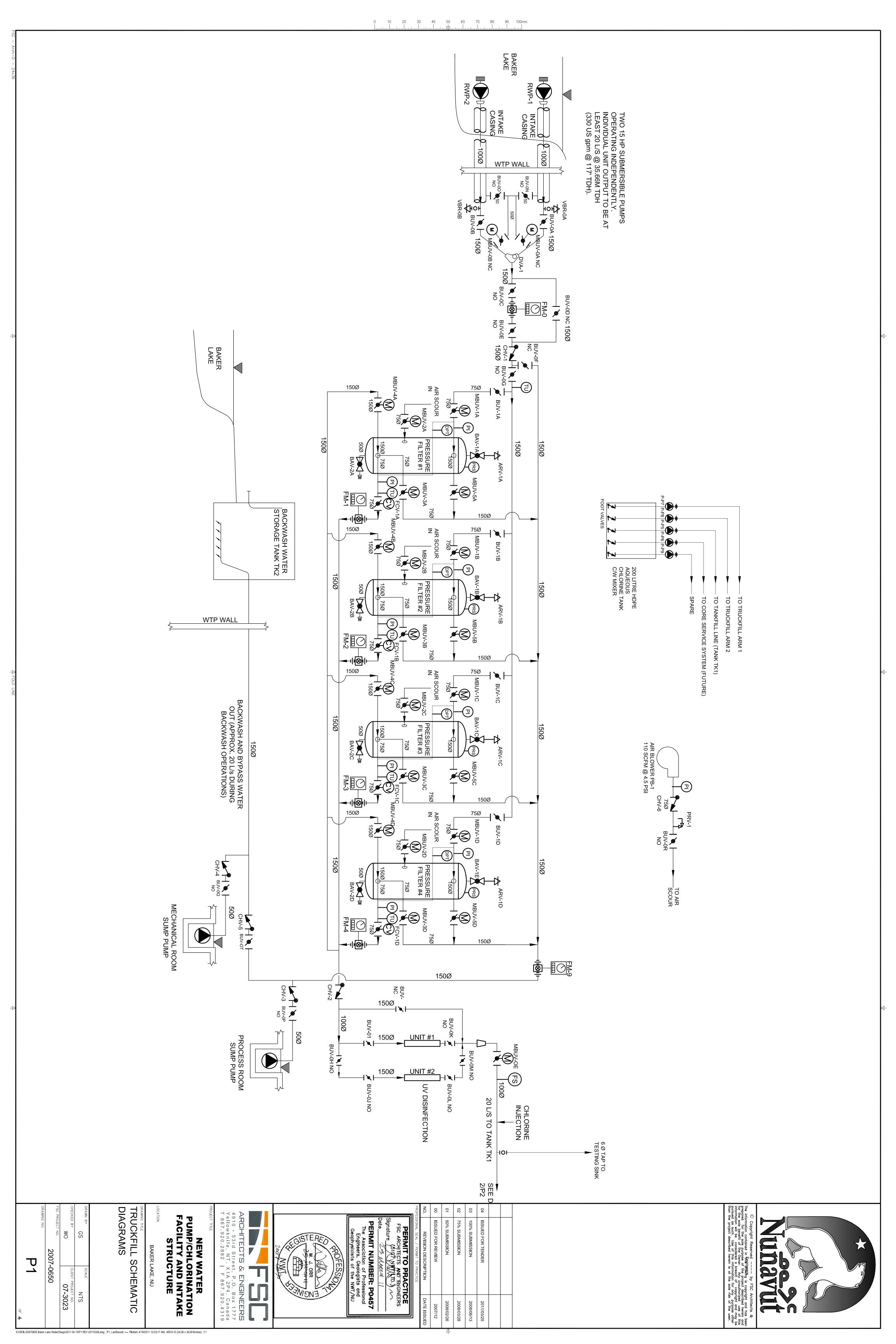
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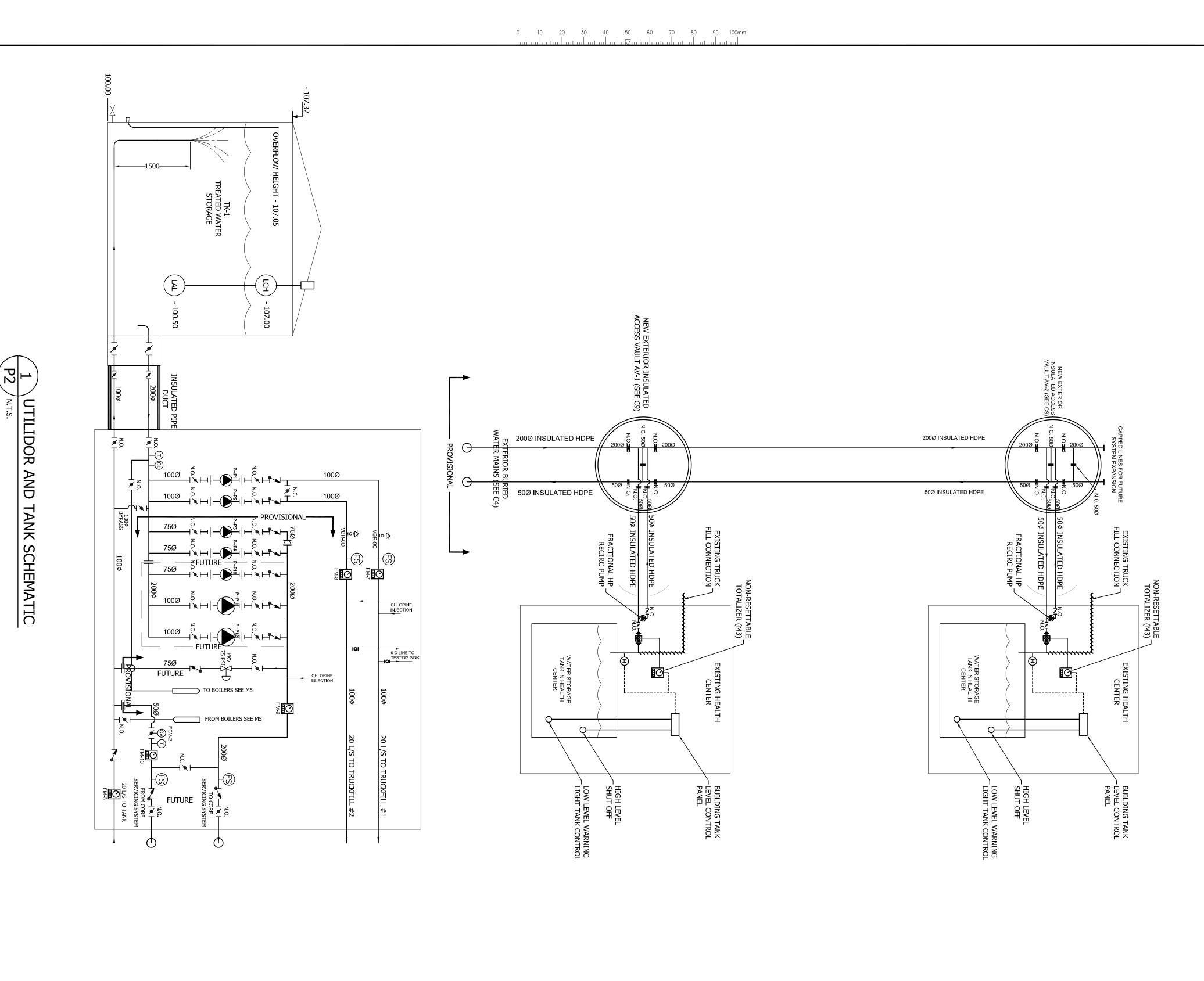
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AS NOTED

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UTILIDOR SCHEMATIC DIAGRAM

X:1CIVIL\20070650 Baker Lake Water\Dwgs\2011 04 15\P2-P4 REV 20110414.dwg , P2, LastSaved: ---, Plotted: 4/19/2011 12:35:02 AM, ARCH D (24.00 x 36.00 Inches), 1:1

BAKER LAKE, NU

WO PROJECT NO.

07-3023

2007-0650

GS/FG

SLN

NEW WATER
PUMP/CHLORINATION
FACILITY AND INTAKE
STRUCTURE

ARCHITECTS & ENGINEERS

910 - 53rd Street, P.O. Box 1777 ellowknife, NT, X1A 2P4, Canada 867.920.2882 | F 867.920.4319 WEATHER-PROOF LED DISPLAY
COUNTER, MINIMUM 6 DIGITS
WEATHER-PROOF KEYPAD,
12 KEY
WEATHER-PROOF LOCKING COVER
C/W SAFETY GLASS FRONT
WEATHER-PROOF INSULATED
ENCLOSURE

2 TRUCKFILL CONTROL PANEL
P2 N.T.S.

PUMP START BUTTON

03

100% SUBMISSION
75% SUBMISSION

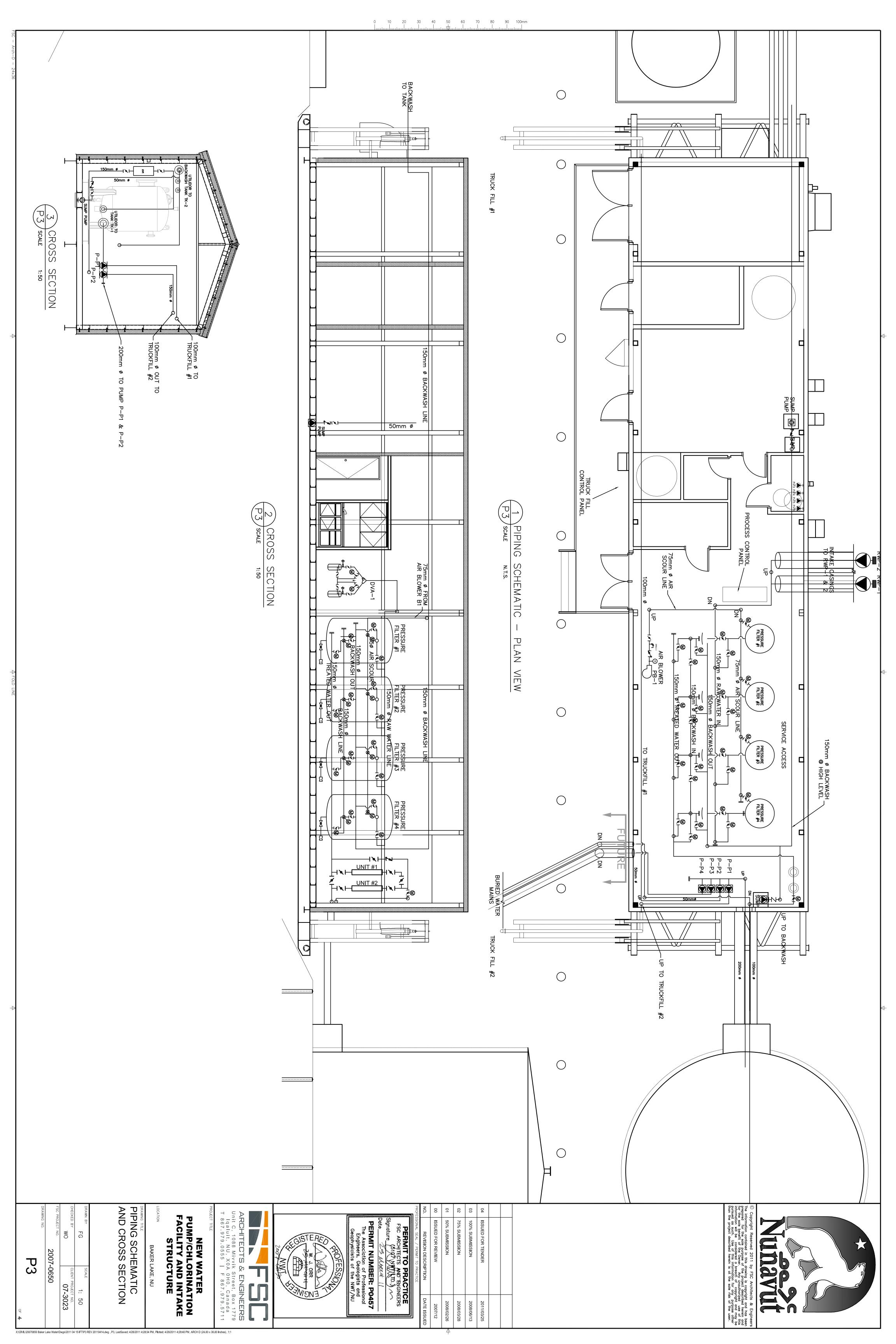
ISSUED FOR TENDER

PERMIT TO PRACTICE
FSC ARCHITECTS AND ENGINEERS
ignature (5197) NYTHIO.)

PERMIT NUMBER: P0457
The Association of Professional
Engineers, Geologists and
Geophysicists of the NWT/NU

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BAKER LAKE WATE
TREATMENT
UPGRADING
PROCESS PUMPS
AND VALVES BAV-2A, ARV-1A, BUV-0P, CHV-1, CHV-5 CHV-3, DVA-1 RWP-MBUV-5A, B, MBUV-4A, MBUV-3A, MBUV-2A, B, MBUV-1A, BUV-0H, I, BUV-0C, BUV-0C, D, E, MBUV-0A, MBUV-0A, BAV-1A, **BUV-0R** BUV-0A, 0B BUV-0N, VBR-0A, TAG NO Ñ m 'n 'n ũ Ø Ū ယ 'n \Box 'n 'n Ç Ç ņ Ç <u>ں</u> Ш Ç Ç **天** Ç Ç Ĵ WATER \Box щ \Box Ţ D \Box \Box G G <u>N</u>O ယ 4 Ω ယ 4 4 4 4 4 4 ယ 6 2 2 4 OFF 4 \sim \sim FIELD ISOLATION OF TREATED WATER PIPING COMPONENTS SHUT OFF VALVE FOR AIR
SCOUR LINE CHECK VALVE FOR SUMP PUMPS OUTLET AIR RAW WATER PUMP OFF VALVES RAW WATER INLET LINE RAW WATER INLET LINE MANUAL CONTROL O INTAKE CASING BACKWASH FILTER RAW WATER INLET RAW WATER INLET LINES AND TRUCK FILL LINES RAW WATER INLET LINE CHECK VALVE FOR AIR SCOUR LINE SHUT OFF VALVE FOR SUMP PUMPS OUTLET FILTER OUTLET FLOW
CONTROL TOP FILTER - RAW WATER INLET INTAKE CASING RAW WATER FLUSH VALVE END FIELD ISOLATION OF FILTER RAW WATER FILTER - BACKWASH WATER INLET LINE FILTER - BACKWASH WATER INLET LINE SCOUR INLET VALVE FILTER DRAIN 유 유 OF INTAKE LOCATION OT **PIPING EACH FILTER EACH FILTER** WASTE LINE **SHUT** LINE 유 SIZE 150 150 150 150 150 50 50 50 50 50 50 50 25 75 75 25 25 50 75 75 50 50 (mm) BUTTERFLY VALVE, CAST IRON ASTM A126 CLASS B BODY, EPDM FOOD GRADE SEAT, DUCTILE IRON NYLON COATED SEAT, 316 SS SHAFT, FLAT FACE FLANGES DRILL TO ANSI B16.1 CLASS125 STANDARDS, KEYSTONE OR BETTER AIR RELE, INTERNAL BUTTERFI BUV-0A BUTTERFI BUV-0A MOTORIZED BUTTERFLY VALVE. VALVE AS MBUV-1A. ROTORK IQT ACTUATOR. CONTROLLED BY FILTER CONTROL PANEL MOTORIZED BUTTERFLY VALVE. VALVE AS MBUV-1A. ROTORK IQT ACTUATOR. CONTROLLED BY FILTER CONTROL PANEL FLOW CONTROL MODULATING MOTORIZED BUTTERFLY VALVE. VALVE AS MBUV-1A. ROTORK IQT ACTUATOR. CONTROLLED BY MOTORIZED BUTTERFLY VALVE. VALVE DESCRIPTION AS BUV-0A. ROTORK IQT ACTUATOR. CONTROLLED BY FILTER CONTROL PANEL ACTUATO AWWA FL SUBMERS L/S @ 35. MOTORIZED BUTTERFLY VALVE. VALVE AS MBUV-1A. ROTORK IQT ACTUATOR. CONTROLLED BY FILTER CONTROL PANEL MOTORIZED BUTTERFLY VALVE. VALVE MBUV-1A. ROTORK IQT ACTUATOR BUTTERFLY VALVE. VALVEROTORK IQT ACTUATOR. FILTER CONTROL PANEL MOTORIZED BUTTERFLY VALVE. VALVE DESCRIPTION AS BUV-0A. ROTORK IQT BALL VALVE SAME AS BAV-1A AND COMPLETE WITH KAM LOK HOSE FITTING **BUTTERFLY VALVE. DESCRIPTION AS BUV-0A** MOTORIZED BUTTERFLY VALCASING BACKWASH. VALVE ROTORK IQT ACTUATOR PRESSUF BUTTERF FLOW TE BUTTERF BUTTERFLY VALVE. AWWA FLANGED CHECK VALVES AWWA F TECK TA VACUUM YLOR SIBLE PUMPS. 15 HP 208V, 3PH; 207 m TDH, OUTFLOW PIPING 100 DIA ANGED ASE VALVE - CAST IRON BODY LY VALVE. VALVE DESCRIPTION AS LY VALVE. **BREAKER VALVES** LY VALVE. LY VALVE. VALVE ANGED CHECK VALVES **SERIES DESCRIPTION** CHECK VALVES **DIVERTER VALVE** S51 DESCRIPTION **DESCRIPTION AS BUV-0A DESCRIPTION AS** 150 psi WORKING **DESCRIPTION AS** _VE FOR INTAKE AS BUV-0A. VALVE AS VALVE AS VALVE AS AS BUV-0A **BUV-0A** AS SS BAKER LAKE WATER
TREATMENT
UPGRADING METERS
AND OTHER
EQUIPMENT P-P1 P-B1 FM-5 FS P-P4 P-P5, CHV-1A, CV-2 P-M1 FM-7, BUV-0C, D, E, F, ე ე ∞ Ñ TAG NO က 'n ∞ \circ G NO. OFF ယ 5 ယ \rightarrow **CHLORINE MIXING MOTOR** AIR BLOWER FOR FILTER RAW WATER INLET LINE RAW WATER INLET LINE UTILIDOR RETURN LINE FLOW METER TREATED WATER FLOW METER TO TRUCKFILL 1 TREATED WATER FLOW METER TO TANK TK1 RAW WATER INLET FLOW CONTROL VALVE BACKWASH WATER OUTPUT FLOW METER FILTER OUTLET
METER CHLORINATION PUMP UTILIDOR LINE METER STORED IN BUILDING TRUCKFILL PUMP TRUCKFILL \leq \leq **UTILIDOR PUMP UTILIDOR PUMP** DISINFECTION **DISINFECTION** AIR PURGE LOCATION . PUMP FLOW FLOW LINE 2 J SIZE (mm) 50 X 10m 150 100 100 150 200 150 150 100 50 75 50 MAGNETIC FLOW METER ABB, C/W HARD RUBBER LINER, SS ELECTRODE, AND CONVERTER, C/W NON RESETABLE TOTALIZER MAGNETIC FLOW METER ABB, C/W HARD RUBBER LINER, SS ELECTRODE, AND CONVERTER, C/W NON RESETABLE TEMPERATURE SENSOR WITH SS HEX HEAD PIPE PLUG WITH CLOSED END TUBE OPERATING RANGE -5 C TO +10 C ACCURACY 0.1 C, SPECTRUM OR EQUAL FLOW SWITCH - VARIOUS LOCATIONS ITT MCDONNEL MILLER FS 4-3 MAGNETIC FLOW METER ABB, C/W HARD RUBBER LINER, SS ELECTRODE, AND CONVERTER, C/W NON RESETABLE TOTALIZER AS FCV-1 MODULATED TO MAINTAIN MINIMUM 50 LPM FLOW RATE IN UTILIDOR LINES TROJAN UV SWIFT B06 240V 15AMP 150 mm DIA. ARMSTRONG PUMP. 3" DIA. OPERATING POINT 20 L/S @ 9.6 m TDH 5.0 HP, 208V, 3PH NASH ELMO 2BH1600-7AH36, 110 SCFM PSI MAGNETIC FLOW METER ABB, C/W HARD RUBBER LINER, SS ELECTRODE, AND CONVERTER, C/W NON RESETABLE TOTALIZER MAGNETIC FLOW METER ABB, C/W HARD RUBBER LINER, SS ELECTRODE, AND CONVERTER, C/W RESETABLE TOTALIZERS CONTROLLING RWP START/STOP MAGNETIC FLOW METER ABB, C/W HARD RUBBER LINER, SS ELECTRODE, AND CONVERTER, C/W NON RESETABLE MAGNETIC FLOW METER ABB, C/W HARD RUBBER LINER, SS ELECTRODE, AND CONVERTER, C/W NON RESETABLE TOTALIZER ARMSTRONG PUMP. 1.5" DIA. OPERATING POINT 1.5 L/S @ 80m TDH 1.5 HP, 208V, 3PH ARMSTRONG PUMP. 1.5" DIA. OPERATING POINT 1.5 L/S @ 80m TDH 1.5 HP, 208V, 3PH TROJAN UV SWIFT B06 240V 1PH 1800W 15AMP 150 mm DIA. FILTER DRAIN HOSE WITH KAMLOK FITTINGS JL WINGERT F-3-1/20 HP ARMSTRONG PUMP. POINT 20 L/S @ 9.6 n **BUTTERFLY VALVE AS BUV-0A** AWWA FLANGED CHECK VALVES TOTALIZER TOTALIZE ALLDOS DDI 209 P3 @ 9.6 m TDH 5.0 HP, 208V, (**DESCRIPTION** 1PH 1800W 3PH @ 4.5

20

30

50

80

PERMIT NUMBER: P0457 (5197 NATTATE.)

03 02

FOR TEND

75% SUBMISSION

2008/03/28

ROJECT TITLE	82 -	4910 - 53rd Street, P.O. Box 1777	ARCHITECTS & ENGINEERS		
ROJECT TITLE		82	4910 - 53rd Street, P.O. Box 1777 Yellowknife, NT, X1A 2P4, Canada T 867.920.2882 F 867.920.4319	ARCHITECTS & ENGINEERS 4910 - 53rd Street, P.O. Box 1777 Yellowknife, NT, X1A 2P4, Canada T 867.920.2882 F 867.920.4319	Stre NT

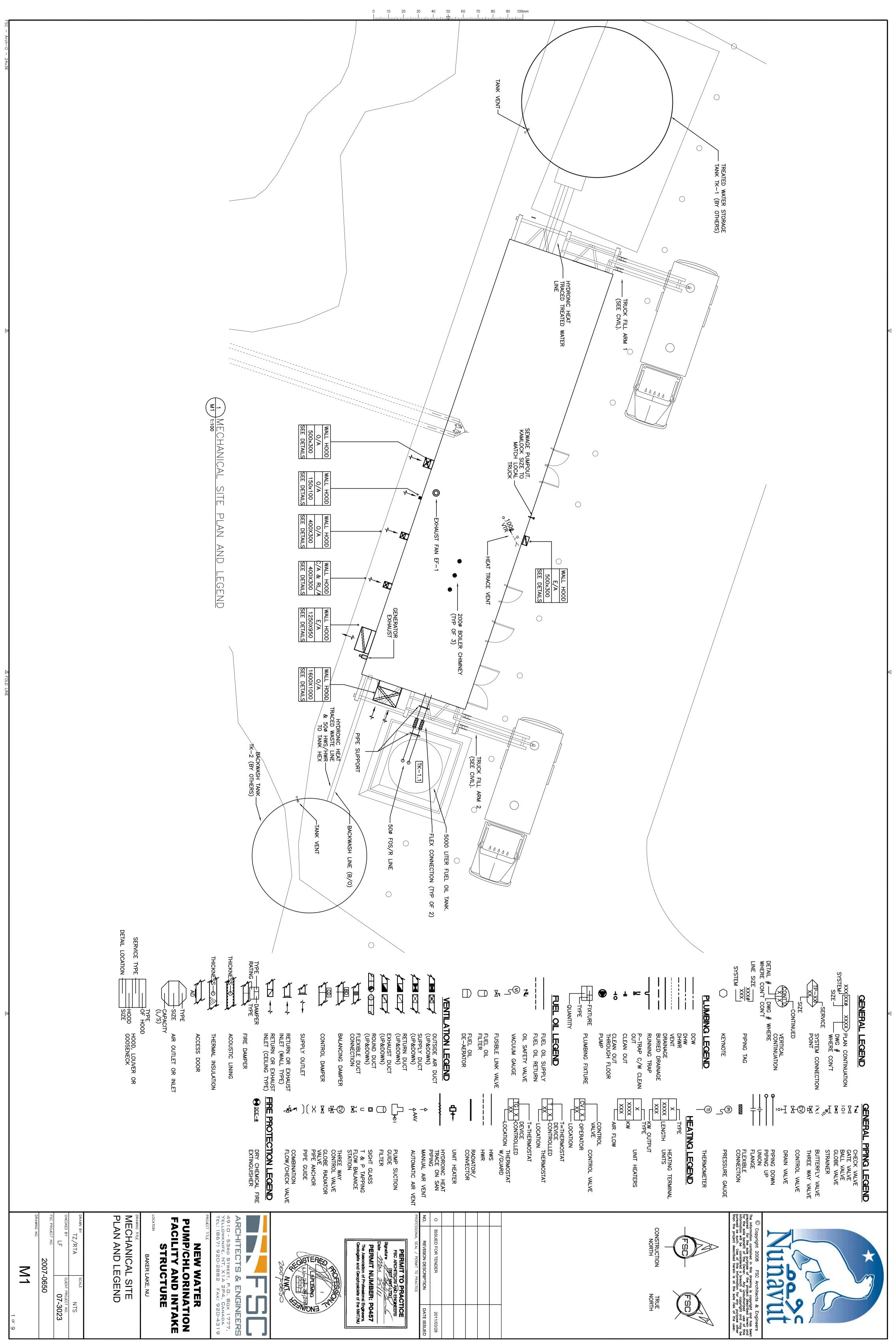
OMP/CHLORINATION ACILITY AND INTAKE STRUCTURE BAKER LAKE, NU

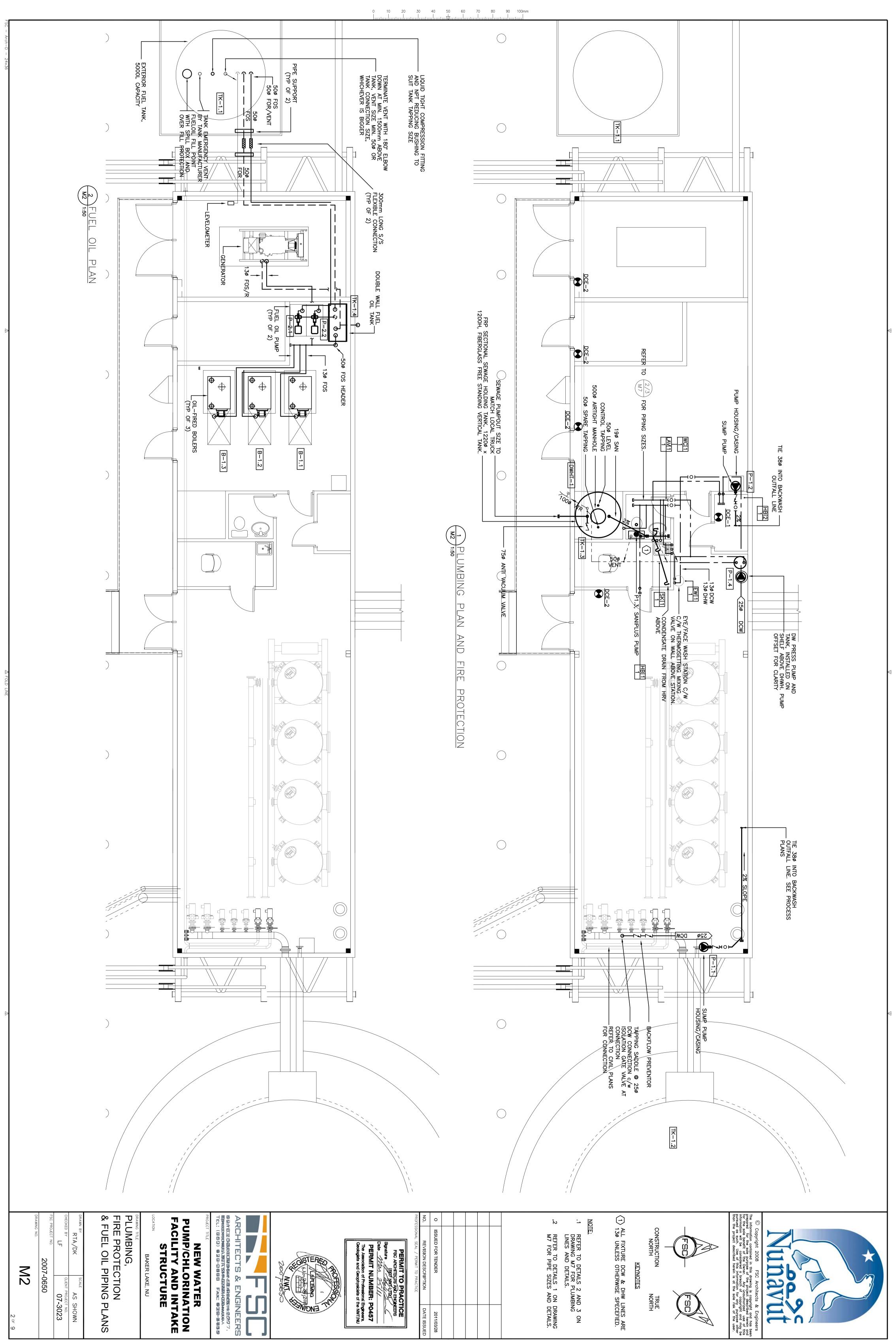
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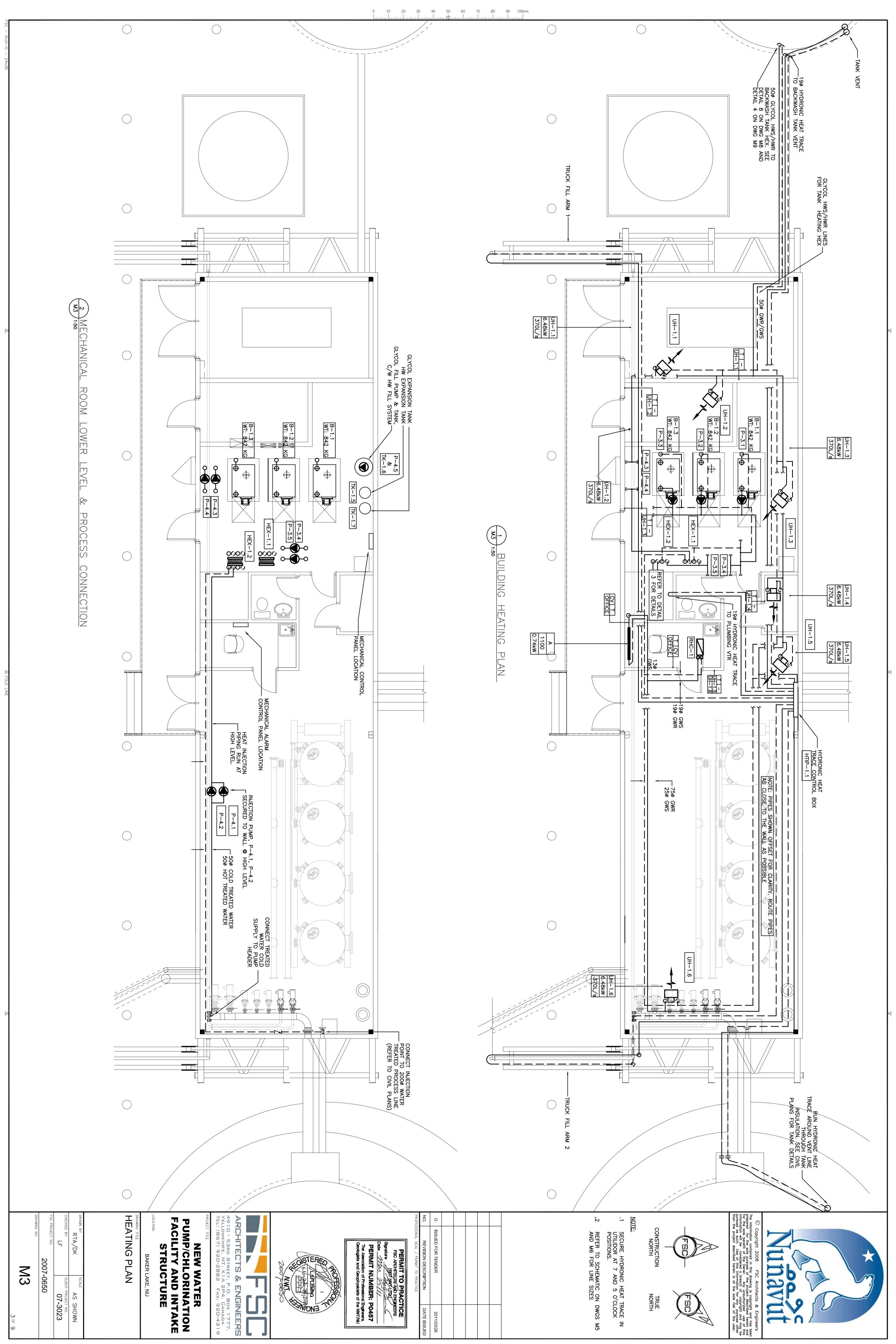
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CLIENT PROJECT NO. 07-3023	SCALE NTS	

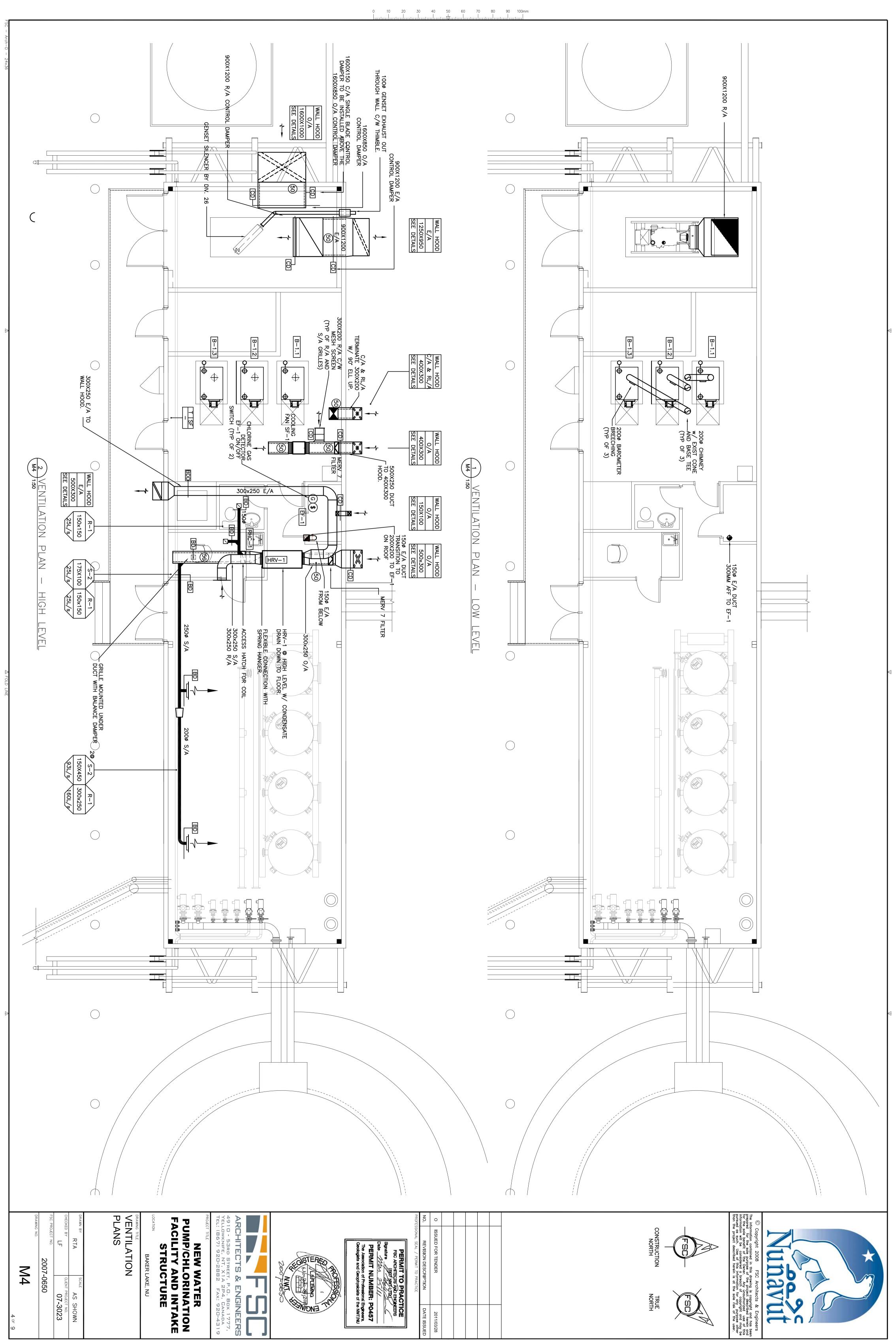
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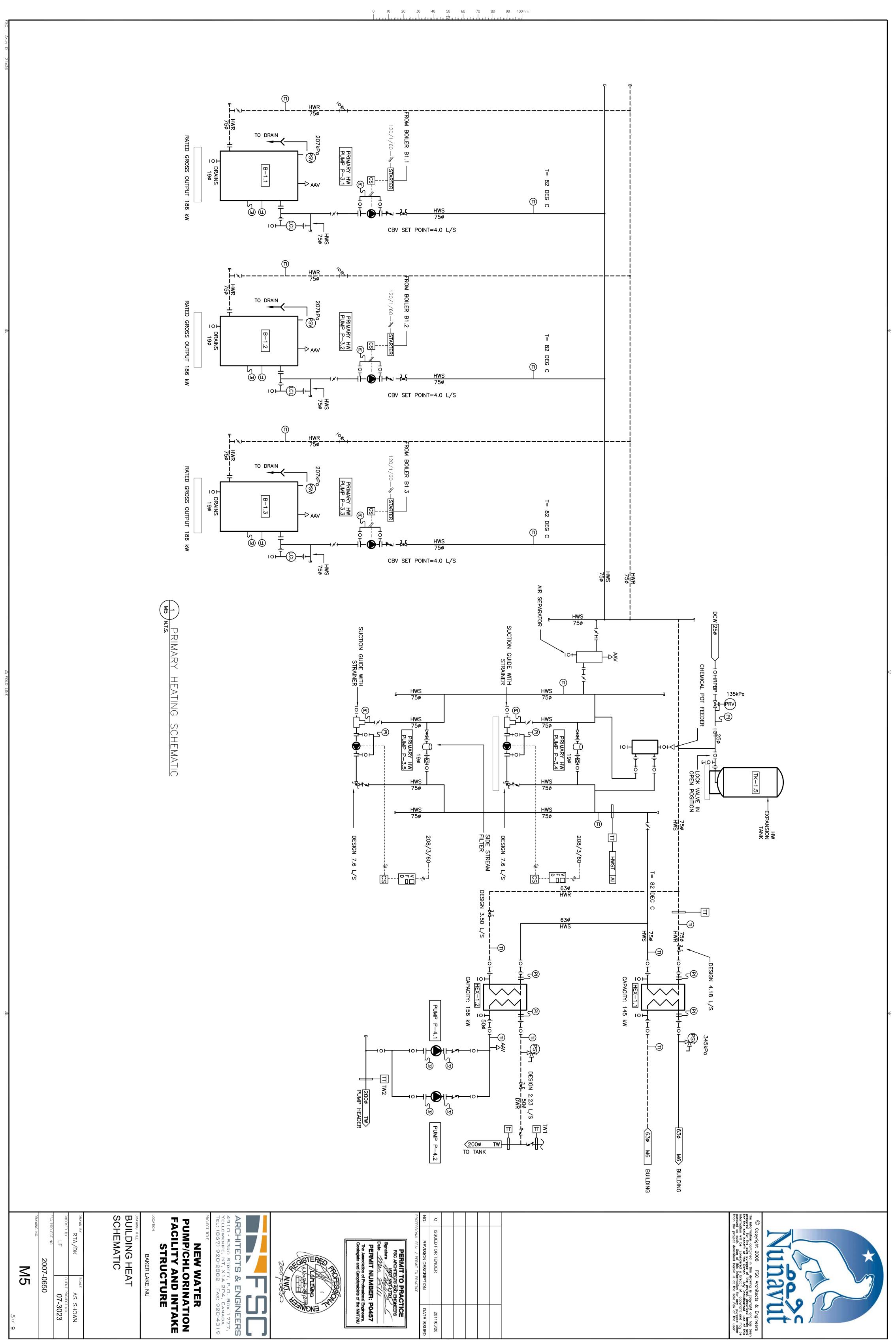
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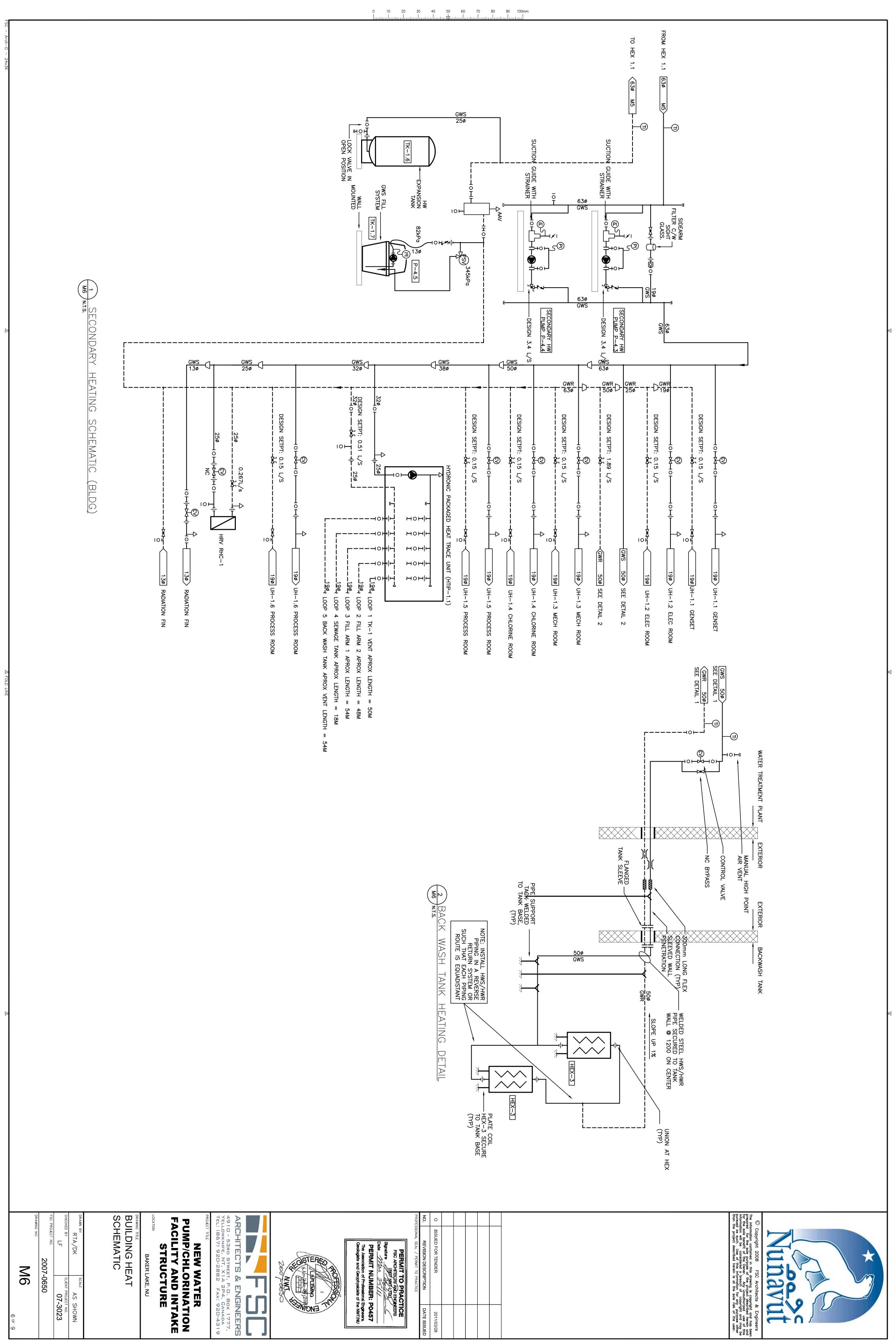


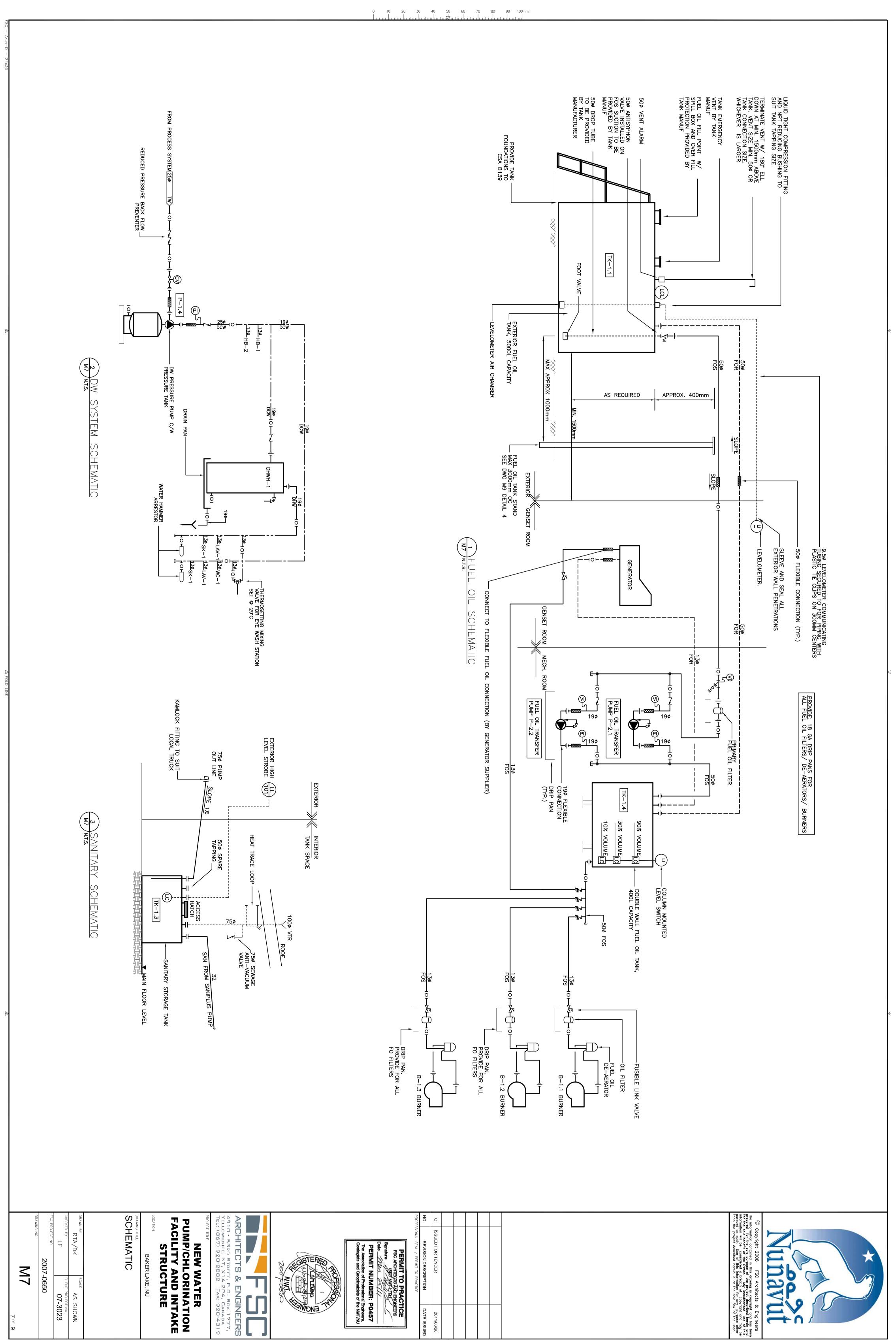


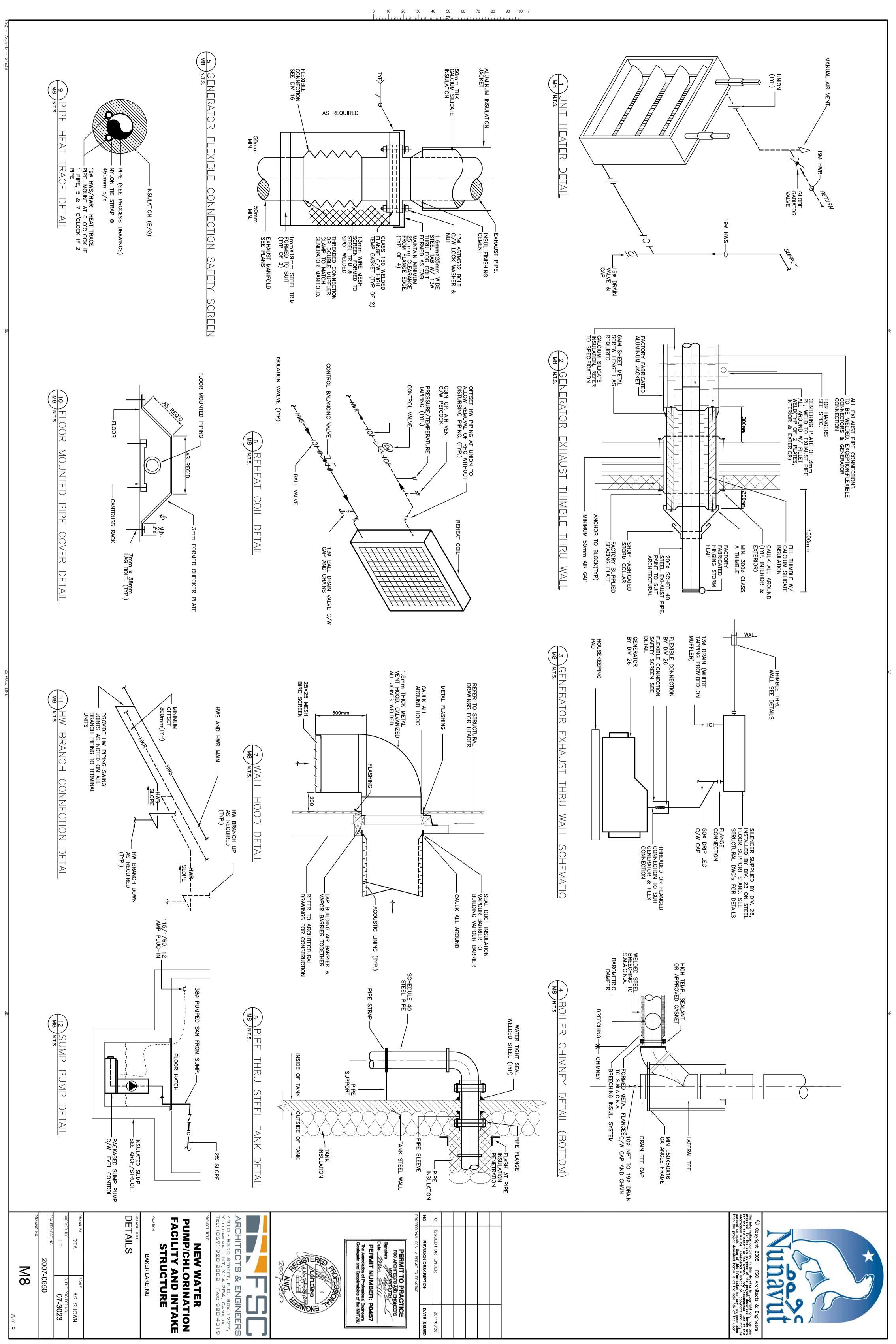


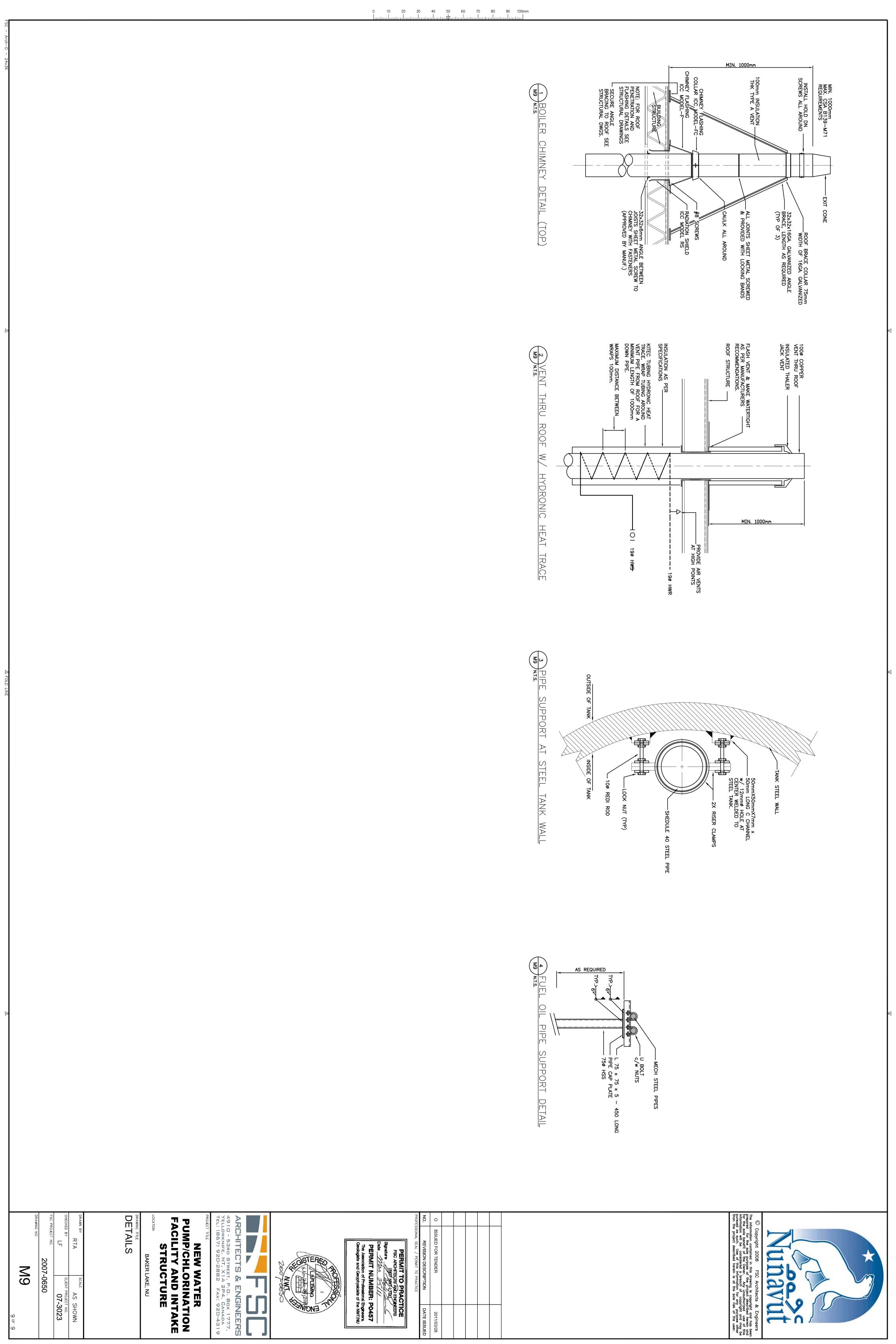


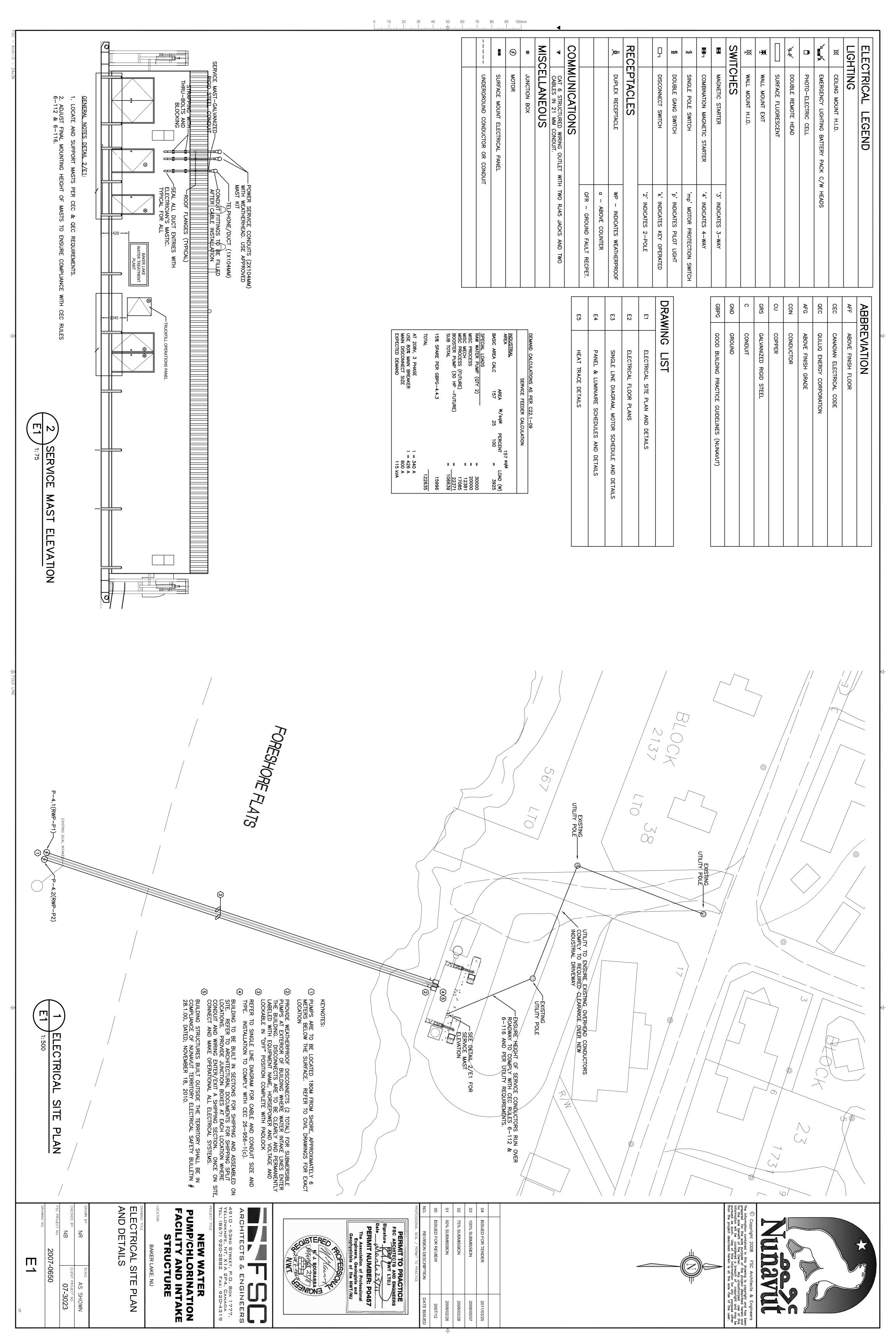


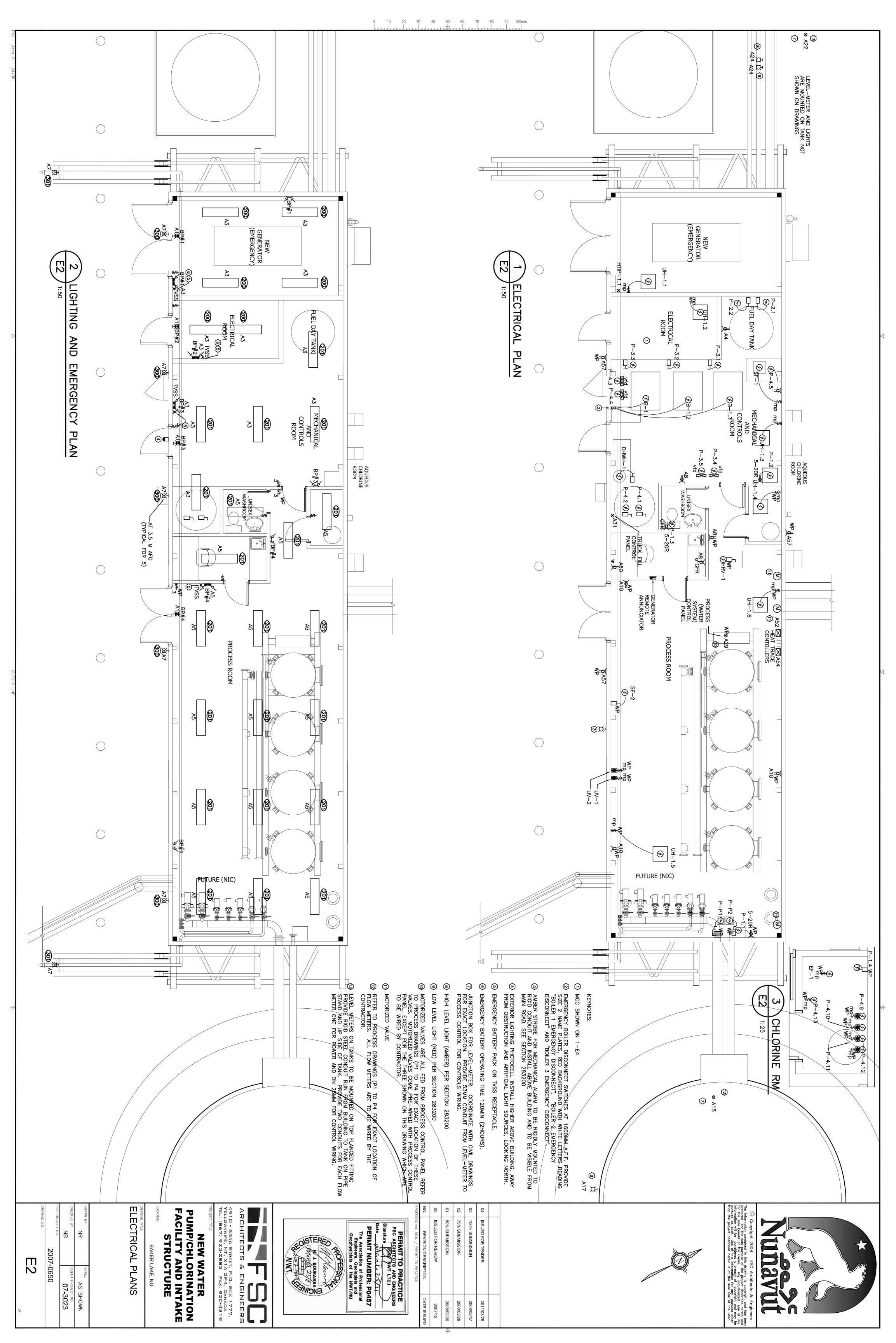


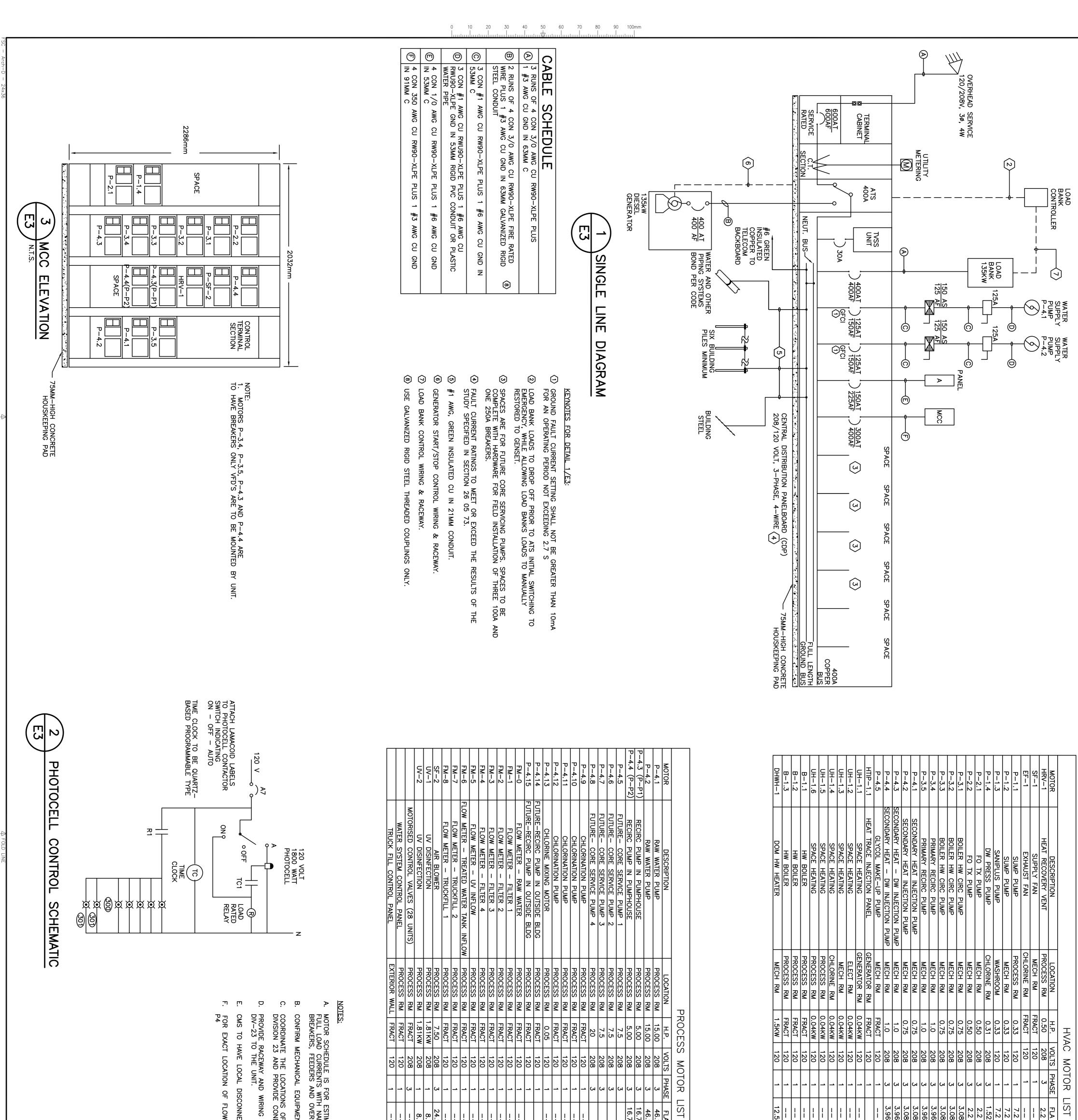












FLA 46.2 46.2 16.72 16.72

|≅|≅| 27 X X

BREAKER 125 125 45 45

CMS/GF

15 15 15 15

75% SUBMISSION

EVISION DESCRIP

ISSUED FOR TENDER

2011/03/25

CMS SEE NOTE E
CMS SEE NOTE E
VFD

RECEPT-GFR

CMS SEE NOTE I

FUTURE LOAD

ON #12 CU RW90-XLPE, 1 #12 CU GND, IN 16 MM C
ON #12 CU RW90-XLPE, 1 #12 CU GND, IN 16 MM C
ON #12 CU RW90-XLPE, 1 #12 CU GND, IN 16 MM C
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PERMIT TO PRACTICE
FSC ARCHITECTS AND ENGINEERS
(15707 HWT LTD.)
Signature
(15707 HWT LTD.)

Signature
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- MOTOR SCHEDULE IS FOR ESTIMATING PURPOSES ONLY. CONFIRM ALL MOTOR FULL LOAD CURRENTS WITH NAMEPLATES AND SIZE MOTOR DISCONNECTS, BREAKERS, FEEDERS AND OVERLOADS ACCORDINGLY.
- CONFIRM MECHANICAL EQUIPMENT LOCATIONS WITH DIVISION 23.
- COORDINATE THE LOCATIONS OF ALL LINE VOLTAGE PILOT DEVICES DIVISION 23 AND PROVIDE CONDUIT AND WIRING AS NECESSARY VOLTAGE THERMOSTAT

DEVICE LEGEND

- LOAD RATED DISCONNECT
 MAGNETIC STARTER
 MAGNETIC STARTER WITH DISCONNECT
 MANUAL MOTOR PROTECTION
 WITH LOAD RATED RELAY
 WITH H-O-A SWITCH
 KEYED
 PILOT LIGHT
 SOFT START
 GROUND FAULT DETECTION



N. J. BOURASSA TO MANTAL STATES

PROFESSION

& ENGINEERS

NEW WATER
PUMP/CHLORINATION
FACILITY AND INTAKE
STRUCTURE

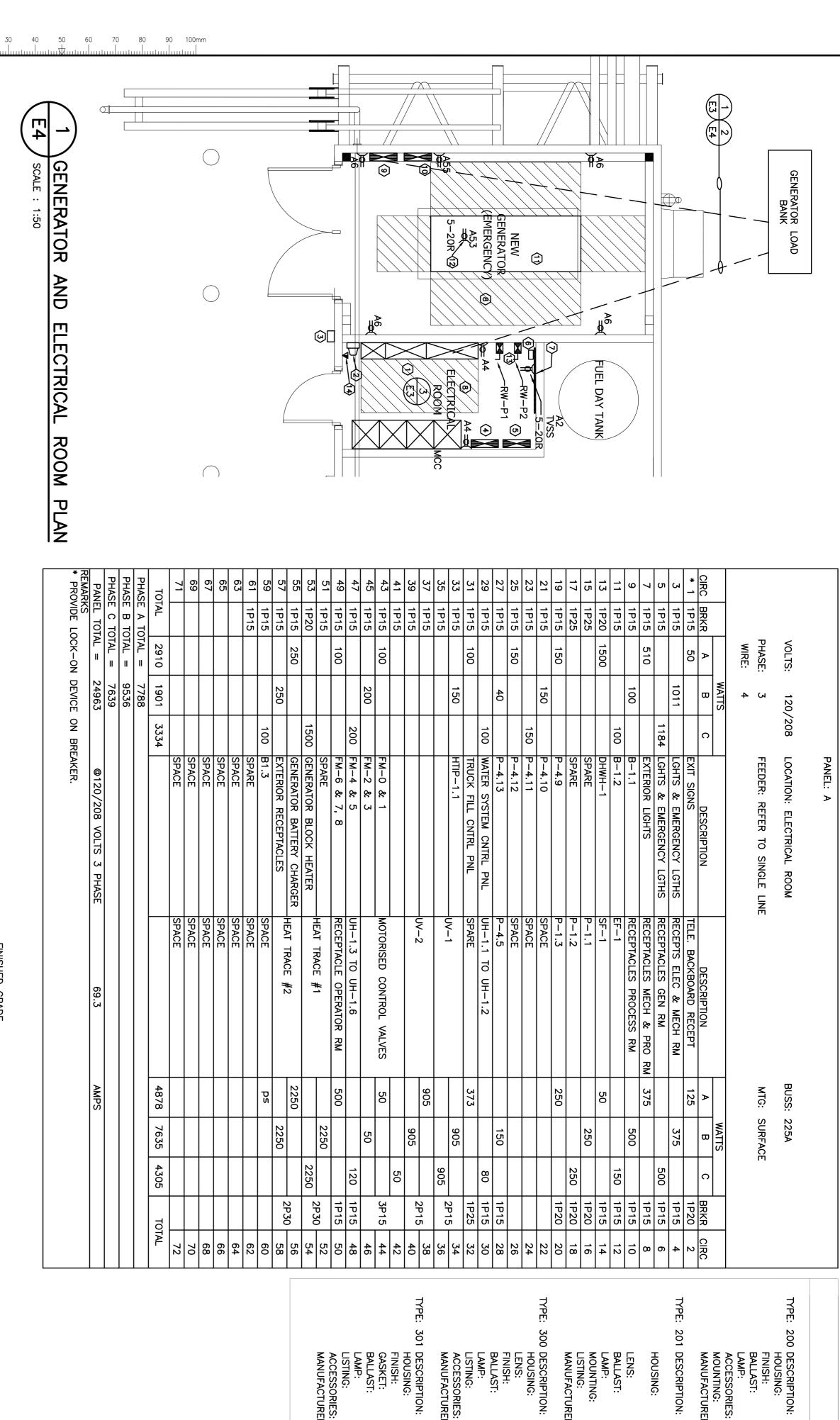
BAKER LAKE, NU

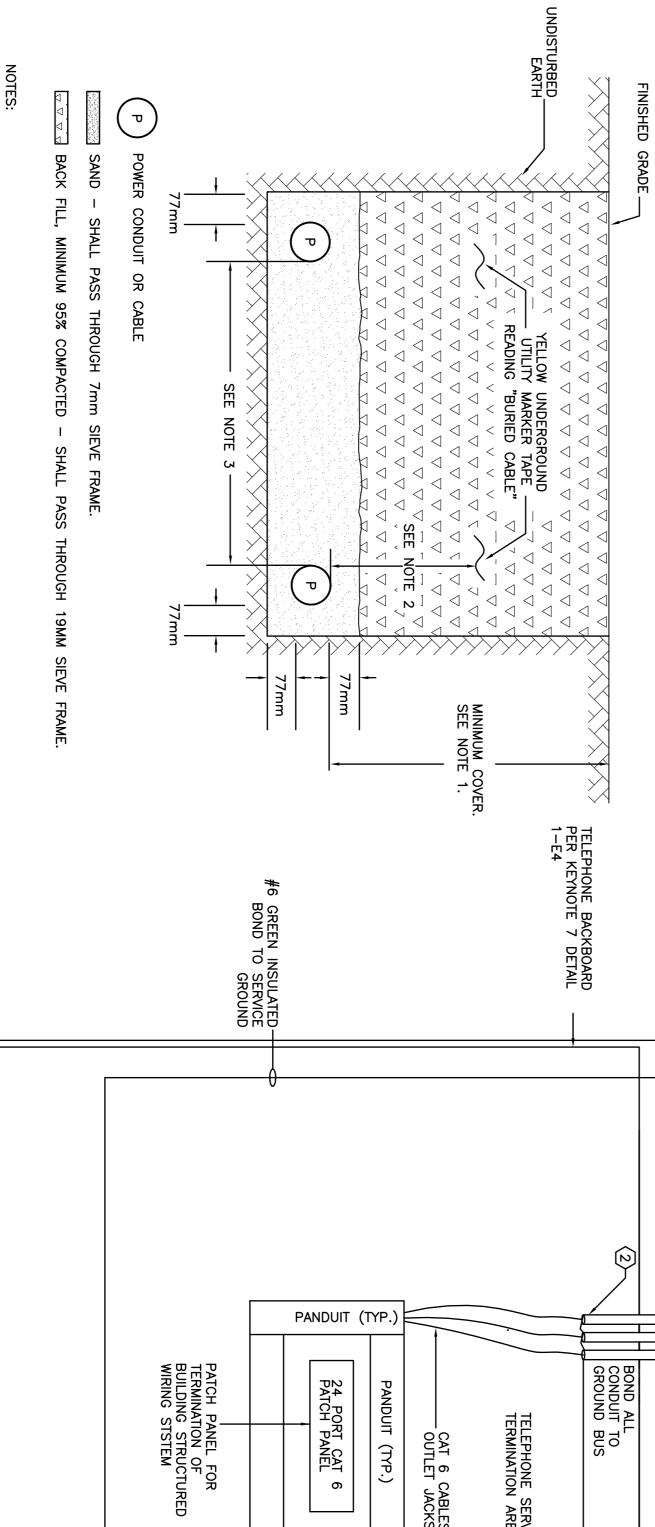
SINGLE LINE DIAGRAM, MOTOR SCHEDULE AND

DETAILS Z B Z R 07-3023 AS SHOWN

2007-0650

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20

CDP

KEY NOTES

UTILITY METER

EXTRIOR LIGHTING

CONTROL

PANEL

VOICE AUTODIALLER

UTILITY COMPANY LOCKBOX INSTALL

₹

1700MM AFF. PROVIDE ONE

BATTERY CHARGER.

GENERATOR

LOAD BANK CONTROLLER.

ENSURE 1M CLEARANCE

Ą

TIME

Z

FRONT

TELEPHONE BACKBOARD A-C PLYWOOD FINISHED

OF 2438MM HIGH X 1219MM WIDE WITH FIRE RETARDANT PAINT.

AND

19MM

THICK

STARTERS FOR RWP-P1 AND RWP-P2 EACH TO CONTAIN A GROUND FAULT RELAY COMPLYING WITH CEC 26-956(d). REFER TO SPECIFICATION FOR DETAILS

GENERATOR BLOCK HEATER RECEPTACLE, ROUGH IN.

COORDINATE

THE LOCATION PRIOR

7

ONE CABLE AND JACK FOR REMOTE METER READING

1 DESCRIPTION:
HOUSING:
FINISH:
GASKET:
BALLAST:
LAMP:
LISTING:
ACCESSORIES:
MANUFACTURER: DESCRIPTION: HOUSING: LENS: FINISH:
BALLAST:
LAMP:
LISTING:
ACCESSORIES:
MANUFACTURER: LENS:
BALLAST:
LAMP:
MOUNTING:
LISTING:
MANUFACTURER: ACCESSORIES: MOUNTING: MANUFACTURERS: DESCRIPTION: HOUSING: SURFACE OR PANDENT MOUNTED VAPORTIGHT INDUSTRIAL FLUORESCENT LUMINAIRE

1265 MM LONG FIBERGLASS HOUSING IS REINFORCED POLYESTER AND SELF—EXTINGUISHING PLASTIC WITH WATERTIGHT HUBS FOR CONDUIT ENTRY HIGH IMPACT CLEAR LOW BRIGHTNESS PATTERN POLYCARBONATE ELECTRONIC PROGRAM RAPID START, 120V, 10% THD

TWO F32T8

CHAIN HANGING SET AND ACCESSORIES UL/CUL LISTED FOR WET LOCATIONS

METALUX VT2—232—LEX—120—ER8——WL OR APPROVED EQUAL SURFACE OR PANDENT MOUNTED FLUORESCENT STRIPLIGHT 1219 MM LONG DIE FORMED STEEL CHANNEL BAKED WHITE ENAMEL ELECTRONIC PROGRAM RAPID START, 120V, 10% THD TWO F32T8 WIRE GUARD CHAIN HANGERS AND ACCESSORIES METALUX STW-232-120V-ER81 OR APPROVED EQUAL EXTERIOR WALL MOUNTED HID
DIE CAST ALUMINUM
PATERNED TAMPERED GLASS
PATERNED TAMPERED GLASS
DARK BRONZE POLYSTER POWER COAT
-30 DEGREE, HIGH POWER FACTOR, 120V
ONE 70 WATT HPS
UL WET LOCATION LISTED, CSA CERTIFIED
MOUNTING ACCESSORIES AS REQUIRED - SEE DI
LUMARK WALLY CUTOFF OR APPROVED EQUAL EXTERIOR TRUCK FILL ARM MOUNTED HID DIE CAST ALUMINUM

DARK BRONZE POLYESTER POWDER PAINT FULL CIRCUMFERENCE SILICON GASKET

-40 DEGREE, HIGH POWER FACTOR, 120V

ONE 50 WATT HPS

UL WET LOCATION LISTED

MOUNTING ACCESSORIES AS REQUIRED - SEE DRAW LUMARK FALCON HP-SF-50HP-H-120V-TR-SF/W DRAWINGS RAWINGS WG OR APPROVED EQUAL

7. EQUALS SHALL MEET THE DESCRIPTIONS LISTED AND IDENTIFIED BY THE CATALOG NUMBER INDICATED FOR ALL ELEMENTS AND PROPERTIES. THE MERE FACT THAT THE SERIES IS LISTED HEREIN DOES NOT AUTOMATICALLY QUALIFY ANY LUMINAIRE OF SUCH FAMILY AS EQUAL.

6. SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID WHERE SPECIFIED. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM PROVIDING PRODUCT AS DESCRIBED.

5. ALL FLUORESCENT LAMPS TO COMPLY WITH LOCAL AND NATIONAL TOXICITY RULES AND REGULATIONS, WHERE AVAILABLE.

3. VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS.

2. VERIFY LUMINAIRE VOLTAGE WITH BRANCH CIRCUIT SUPPLYING POWER TO LUMINAIRE PRIOR TO ORDERING.

1. THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT DOCUMENTS CONTAINING THE ELECTRICAL SPECIFICATIONS.

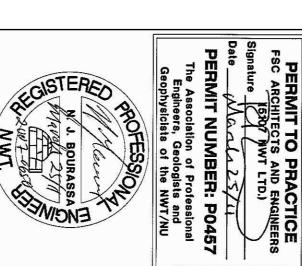
NOTES:

4. PROVIDE LUMINAIRES COMPLETE WITH LAMP AND ALL ACCESSORIES FOR MOUNTING AS SHOWN ON DRAWINGS. FOR EXACT CEILING AND WALL TYPES REFER TO ARCHITECTURAL DRAWINGS.

LUMINAIRE

SCHEDULE

		-					
PROFE	NO.	00	01	02	03	04	
PROFESSIONAL SEAL / PERMIT TO PRACTICE	REVISION DESCRIPTION	ISSUED FOR REVIEW	50% SUBMISSION	75% SUBMISSION	100% SUBMISSION	ISSUED FOR TENDER	
	DATE ISSUED	2007/12	2008/02/26	2008/03/28	2008/05/07	2011/03/25	



	Signature Date PERM The A Eng Geopli
GISTERIO PROFESSION J. BOURASSANDINIONI	permit NUMBER: P045 The Association of Professional Engineers, Geologists and Geophysicists of the NWT/NU

PANDUIT (TYP.)

CAT 6 CABLES FROM OUTLET JACKS

#6 GREEN INSULATED BONDING CONDUCTOR

TELEPHONE SERVICE TERMINATION AREA

(2)

-INCOMING TELEPHONE CONDUIT

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(D)
DUPLEX TVSS
RECEPTACLES

#6 GREEN INSULATED BONDING CONDUCTOR

NEW WATER
PUMP/CHLORINATION
FACILITY AND INTAKE
STRUCTURE 4910 - 53RD STREET, P.O. BOX 1777, YELLOWKNIFE, NT, X1A 2P4, CANADA TEL: (867) 920-2882 FAX: 920-4319

250MM×50MM×6MM
THICK COPPER GROU
BUS ON STAND-OFFS

PANEL & LUMINAIRE SCHEDULES AND DETAILS BAKER LAKE, NU

 $\frac{Z}{R}$ 07-3023 AS SHOWN

E4

1. MINIMUM COVER TO BE IN ACCORDANCE WITH CEC RULES 12-012 AND 60-600. REDUCED MINIMUM COVER PER CEC IS ACCEPTABLE, WHERE MECHANICAL PROTECTION IS PROVIDED ACCORDINGLY.

2. MARKER TAPE TO BE APPROXIMATELY HALF WAY BETWEEN FINISHED GRADE AND CONDUIT OR CABLE.

3. SEPARATION BETWEEN POWER AND COMMUNICATION CABLES TO BE 300 MM MINIMUM FOR NON-METALLIC SHEATHED COMMUNICATION CABLES OR NON-METALLIC CONDUIT, 100 MM MINIMUM FOR METALLIC SHEATHED CABLE OR METALLIC CONDUIT.

UNDERGROUND

CONDUCTOR

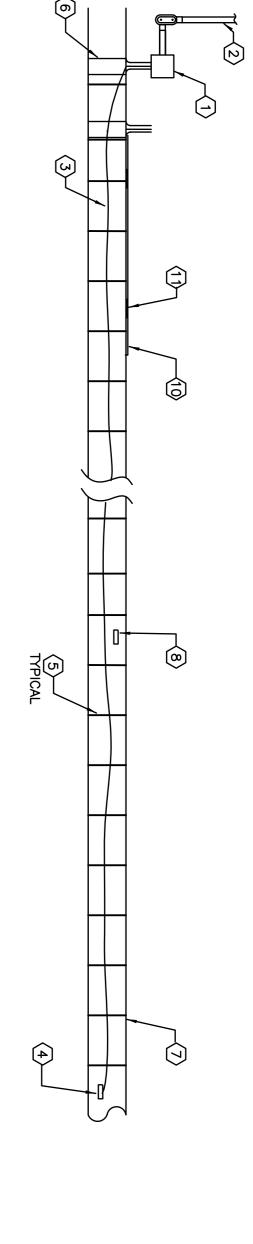
INSTALLATION

TELEPHONE SCALE : N.T.S.

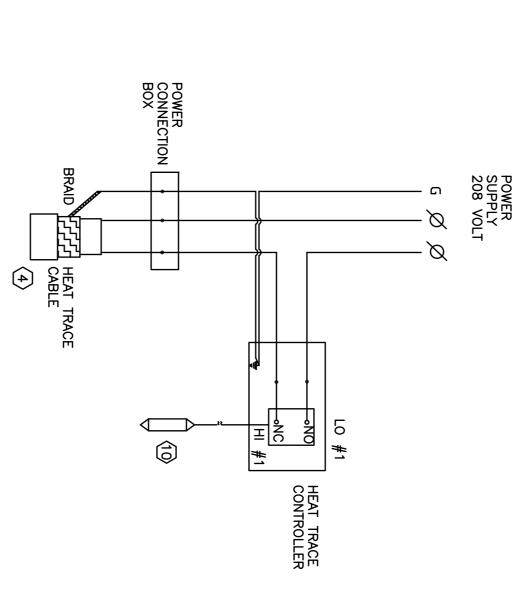
BACKBOARD DETAIL

(1) CONDUITS FROM STRUCTURED OUTLET BOXES WITH PULL CORD. (2) PROVIDE PLASTIC BUSHING AT THE END OF CONDUITS.

2007-0650







[E] 2

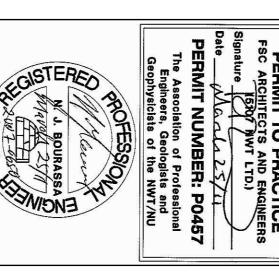
HEAT N.T.S.

TRACE WIRING

HEAT TRACE CONTROLLER IN EEMAC 3 CABINET LOCATED IN TANK BUILDING.

- (1) POWER CONNECTION BOX FOR ONE HEATING CABLE
 (2) 21 MM CONDUIT AND WIRING TO ELECTRICAL PANEL BOARD
- (3) HEAT TRACE CABLE; SEE SPECIFICATION. TOTAL LENGTH OF THE PIPE IS EXPECTED TO BE 100 METERS PLUS/MINUS 5%. SITE VERIFY THE LENGTH AND INFORM THE ENGINEER IMMEDIATELY IF THE ACTUAL LENGTH IS DIFFERENT. 4 END SEAL
- (5) GLASS INSULATION TAPE.
- (6) PIPE STRAP; PROVIDE AS AND WHERE NECESSARY AS PER MANUFACTURER INSTRUCTIONS.
- (7) FRESH WATER PIPE. 100MM (4").
 (8) ELECTRICALLY TRACED LABEL; SEE SPECIFICATION
 (9) NOT USED.
- (10) THERMOSTAT BULB. SEE SPECIFICATION
- (1) POSITION THERMOSTAT BULB AND LINE AWAY FROM HEATER CABLE AND EFFECTIVELY INSULATE PER MANUFACTURER INSTRUCTIONS

	PROFES	NO.	00	01	02	03	04	
PERMIT TO PRACTICE FSC ARCHITECTS AND ENGINEERS	PROFESSIONAL SEAL / PERMIT TO PRACTICE	REVISION DESCRIPTION	ISSUED FOR REVIEW	50% SUBMISSION	75% SUBMISSION	100% SUBMISSION	ISSUED FOR TENDER	
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4910 - 53RD STREET, P.O. BOX 1777, YELLOWKNIFE, NT, X1A 2P4, CANADA TEL: (867) 920-2882 FAX: 920-4319

PROVIDE NEW 30A2P
GROUND FAULT
PROTECTED BREAKER
IN PANEL A AND FEED
NEW HEAT TRACE #1

N.O. N.C.

TRACE #1

NEW HEAT TRACE
- COLD LEAD
CONNECTION KIT.

(E) 3

HEAT TRACE INSTALLATION
N.T.S.

NEW WATER
PUMP/CHLORINATION
FACILITY AND INTAKE
STRUCTURE

HEAT TRACE
DETAILS

BAKER LAKE, NU

Z R AS SHOWN

No. No. 2007-0650 07-3023

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