

GOVERNMENT OF NUNAVUT COMMUNITY & GOVERNMENT SERVICES SEWAGE TREATMENT PLANT UPGRADE WORKS - PHASE 2 RANKIN INLET, NUNAVUT AS-BUILT

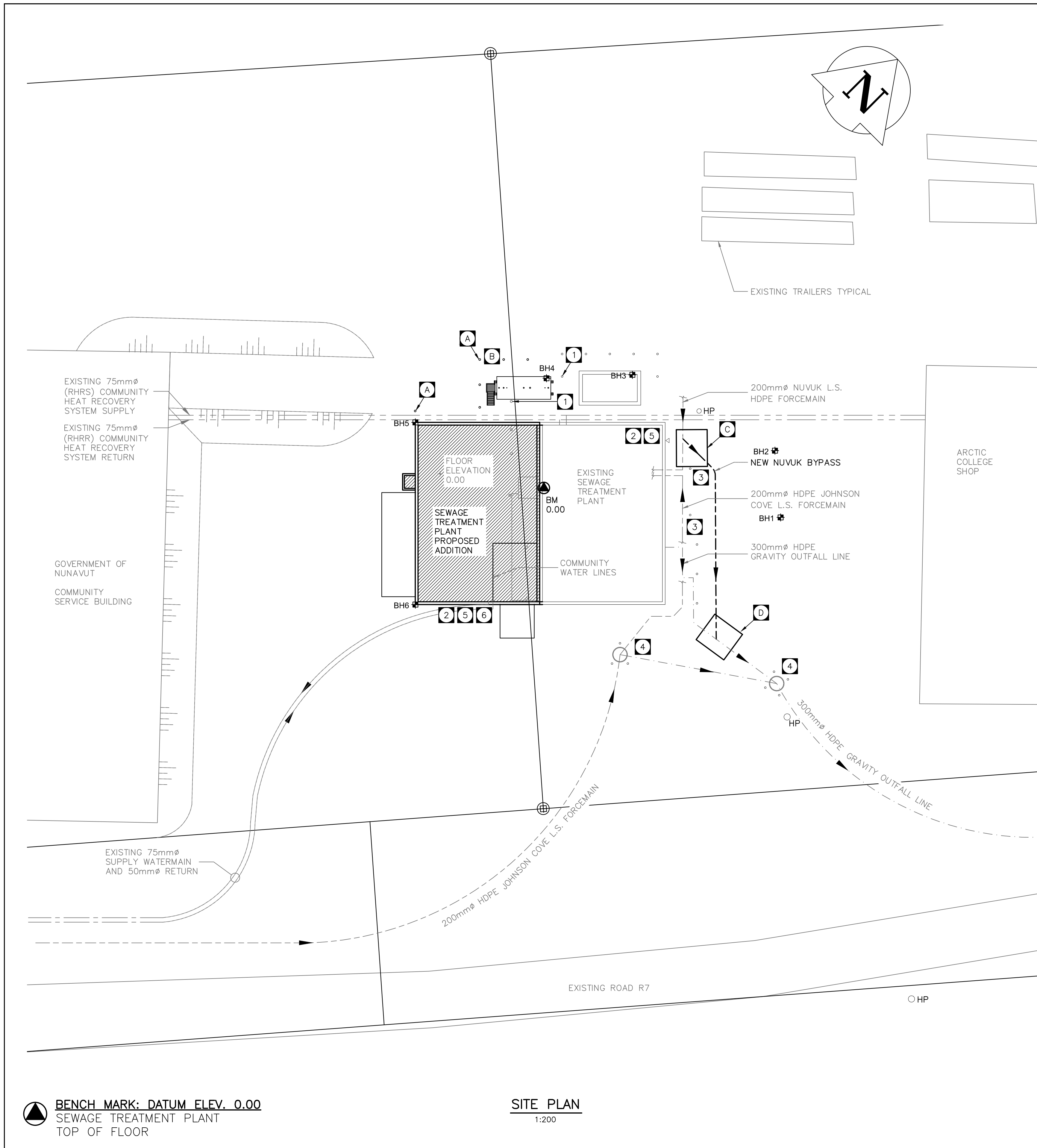
AS-BUILT DRAWING
AS-BUILT INFORMATION PROVIDED BY THE
GENERAL CONTRACTOR:
KUDLIK CONSTRUCTION LTD.
IQALUIT, NUNAVUT

DRAWING INDEX

CIVIL	BUILDING	STRUCTURAL	MECHANICAL	ELECTRICAL
G-1 SITE PLAN AND SITE DECOMMISSIONING	B-1 BUILDING DECOMMISSIONING PLAN B-2 GENERAL LAYOUT - GROUND FLOOR B-3 GENERAL LAYOUT - 2ND FLOOR B-4 EXTERIOR BUILDING ELEVATIONS B-5 BUILDING CROSS SECTION B-6 BUILDING WALL SECTIONS B-7 DOOR SCHEDULE, WALL SCHEDULE AND BUILDING DETAILS	S-1 FOUNDATION PLAN S-2 SLAB ON GRADE PLAN S-3 SECOND FLOOR FRAMING PLAN S-4 ROOF FRAMING PLAN S-5 SECTIONS AND DETAILS S-6 STRUCTURAL GENERAL REQUIREMENTS S-7 STRUCTURAL GENERAL REQUIREMENTS CONT 'D S-8 CATWALK LOCATION AND DETAILS S-9 STRUCTURAL STAIR DETAILS AND AUGER CHANNEL COVER DETAILS S-10 STRUCTURAL STAIR AND HANDRAIL DETAILS	M-1 DEMOLITION EXISTING MECHANICAL EQUIPMENT M-2 GROUND FLOOR MECHANICAL HVAC LAYOUT M-3 SECOND FLOOR MECHANICAL HVAC LAYOUT M-4 MECHANICAL EQUIPMENT SCHEDULE & NOTES M-5 GROUND FLOOR MECHANICAL HYDRONIC HEATING LAYOUT M-6 SECOND FLOOR MECHANICAL HYDRONIC HEATING LAYOUT M-7 MECHANICAL HYDRONIC HEATING SCHEMATIC M-8 MECHANICAL STANDARD DETAILS 1 M-9 SEWAGE PROCESS EQUIPMENT PLAN M-10 SEWAGE PROCESS EQUIPMENT CROSS SECTIONS M-11 GROUND FLOOR MECHANICAL PLUMBING LAYOUT M-12 SECOND FLOOR MECHANICAL PLUMBING LAYOUT AND PLUMBING SCHEMATIC M-13 FUEL OIL SCHEMATIC & CONTROLS SCHEDULE M-14 MECHANICAL STANDARD DETAILS 2	E-1 ELECTRICAL LEGEND AND DRAWING LIST E-2 PANELS AND LUMINAIRE SCHEDULES E-3 ELECTRICAL SINGLE LINE DIAGRAM E-4 ELEMENTARY CONTROL WIRING DIAGRAMS - SHEET 1 E-5 ELEMENTARY CONTROL WIRING DIAGRAMS - SHEET 2 E-6 INSTRUMENTATION LOOP WIRING DIAGRAMS E-7 PLC CONFIGURATION & PANEL LAYOUTS E-8 BUILDING ELECTRICAL EQUIPMENT LAYOUT - REMOVAL E-9 BUILDING ELECTRICAL EQUIPMENT LAYOUT - LIGHTING AND HVAC E-10 BUILDING ELECTRICAL EQUIPMENT LAYOUT - POWER E-11 BUILDING ELECTRICAL EQUIPMENT LAYOUT - INSTRUMENTATION E-12 BUILDING ELECTRICAL EQUIPMENT LAYOUT - MECHANICAL ROOM HVAC LAYOUT
SEWER AND WATER				
SW-1 NUVUK LIFT STATION EXTERIOR BYPASS SW-2 SEWER AND WATER SITE SERVICES DETAILS AND NOTES				



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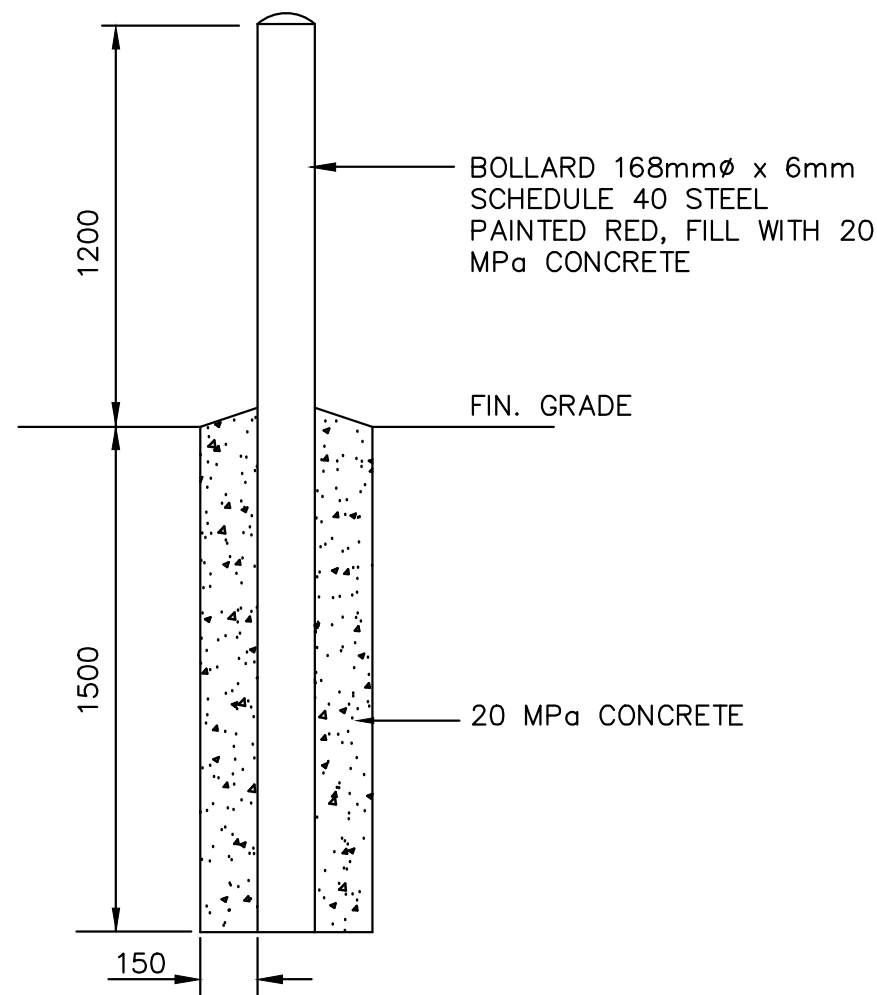


EXISTING SEWAGE PLANT SITE DECOMMISSIONING NOTES

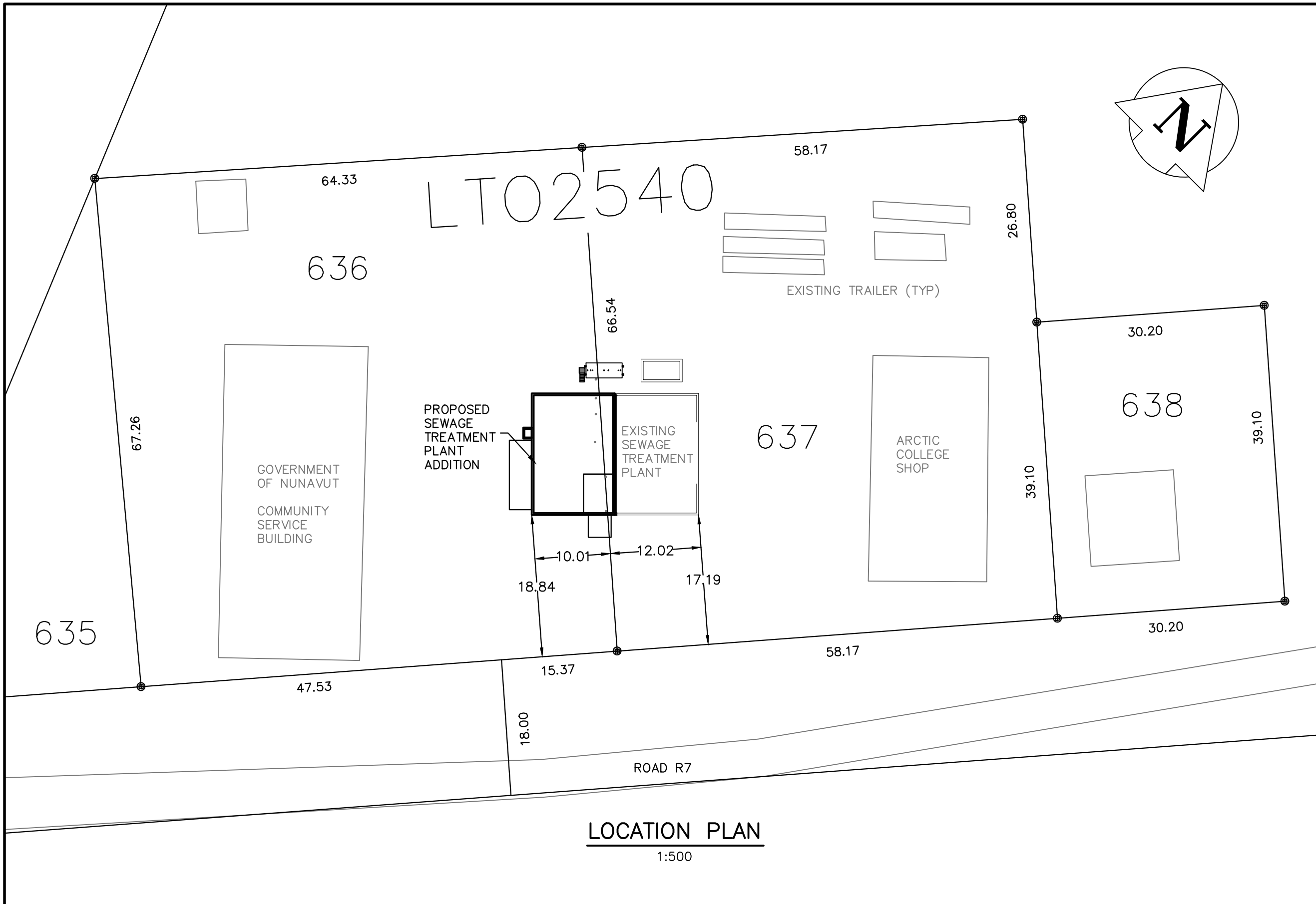
1. REMOVAL OF EXISTING BOLLARDS (TYPICAL OF ALL AT ADDITION), REFER TO DRAWING G-2 FOR DETAILS.
2. LOCATE, HAND EXCAVATE AND EXPOSE EXISTING WATER SUPPLY PIPES TO ACCOMMODATE TIE-IN AND RE-ROUTING OF SUPPLY. PATCH AND REPAIR FLOORS AS REQUIRED ONCE TIE-IN PIPING IS ABOVE FINISHED FLOOR.
3. REMOVE & SET ASIDE EXISTING BOLLARDS AT NUVIK L.S. BYPASS AREA. CLEAN AND RE-PAINT EXISTING BOLLARDS FOR RE-INSTALLATION AFTER BYPASS BACKFILL.
4. EXISTING JOHNSON COVE BYPASS MANHOLE AND FORCEMAIN TIE-IN TO GRAVITY OUTFALL MANHOLE.
5. EXISTING WATER SERVICE TO BE DISCONNECTED AND PIPES UNDER NEW BUILDING ADDITION TO BE REMOVED. NEW WATER SERVICE WILL ENTER NEW BUILDING ADDITION ON SOUTH SIDE THROUGH FLOOR. REFER TO DRAWING SW2 FOR DETAILS.
6. CONTRACTOR RESPONSIBLE FOR PROVIDING TEMPORARY WATER SERVICE DURING CONSTRUCTION PERIOD. CONTRACTOR TO PROVIDE TEMPORARY WATER SERVICE PLAN TO ENGINEER PRIOR TO START OF CONSTRUCTION.

PROPOSED SEWAGE PLANT ADDITION SITE WORKS NOTES

- A. NEW BOLLARDS TO BE ADDED TO PROVIDE PROTECTION AND CLEARANCE AT FUEL TANK AND ADDITION BUILDING. REFER TO MECHANICAL DRAWINGS FOR DETAILS.
- B. NEW 15,000L EXTERIOR FUEL TANK. REFER TO MECHANICAL DRAWINGS FOR DETAILS.
- C. NUVUK SEWAGE LIFT STATION EXTERIOR BYPASS MANHOLE. REFER TO DRAWING SW-1 FOR DETAILS.
- D. NUVUK SEWAGE FORCEMAIN EXTERIOR BYPASS TIE TO GRAVITY OUTFALL MANHOLE. REFER TO DRAWING SW-1 FOR DETAILS.
- E. SEE APPENDIX 'A' FOR BOREHOLE REFERENCE INFORMATION.
- F. SEE DRAWING SW-2 FOR SITE GRADING DETAILS.



SECTION
TYPICAL BOLLARD DETAIL
NTS



1. This drawing is the exclusive property of Nuna Burnside and the reproduction of any part without prior written consent of this office is strictly prohibited.
2. The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction. Exact location of underground services and utilities are approximate. contractor is responsible for coordinating locates with utilities and verifying by exposing prior to construction.
3. This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.
4. Do not scale the drawings.

Issue / Revision	Date
1. ISSUED FOR CLIENT REVIEW & CONTRACTOR PRICE QUOTE	NOVEMBER 4, 2011
2. ISSUED FOR 66% SUBMISSION	NOVEMBER 2012
3. ISSUED FOR 99% SUBMISSION	JANUARY 2013
4. ISSUED FOR TENDER	FEBRUARY 2013
5. REVISED AS PER ADDENDUM 1 TO 4 AND ISSUED FOR CONSTRUCTION	APRIL 2013
6. AS-BUILT	AUGUST 2015

AS-BUILT DRAWING
AS-BUILT INFORMATION PROVIDED BY THE GENERAL CONTRACTOR:
KUDLIK CONSTRUCTION LTD.
IGALUIT, NUNAVUT

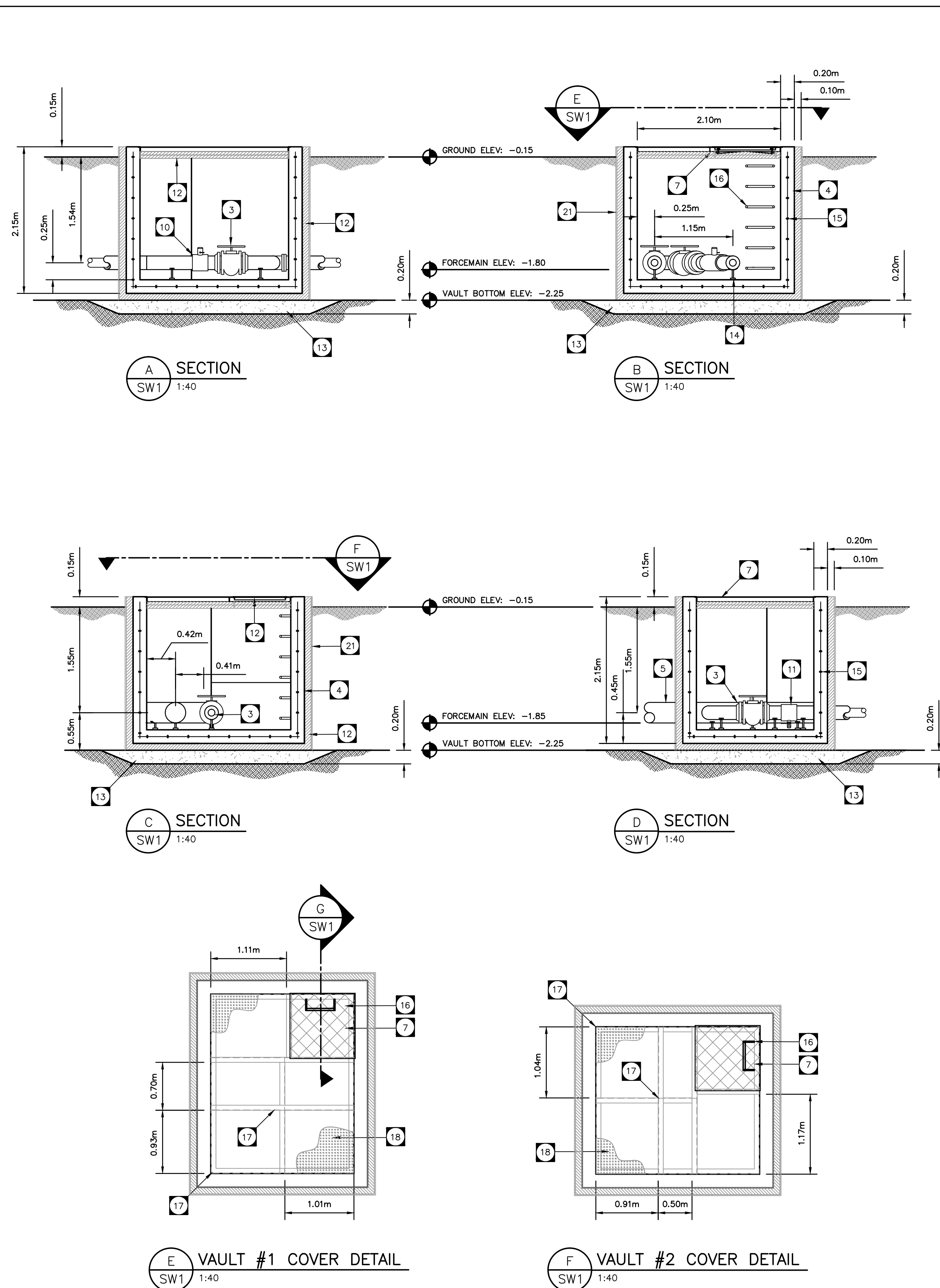


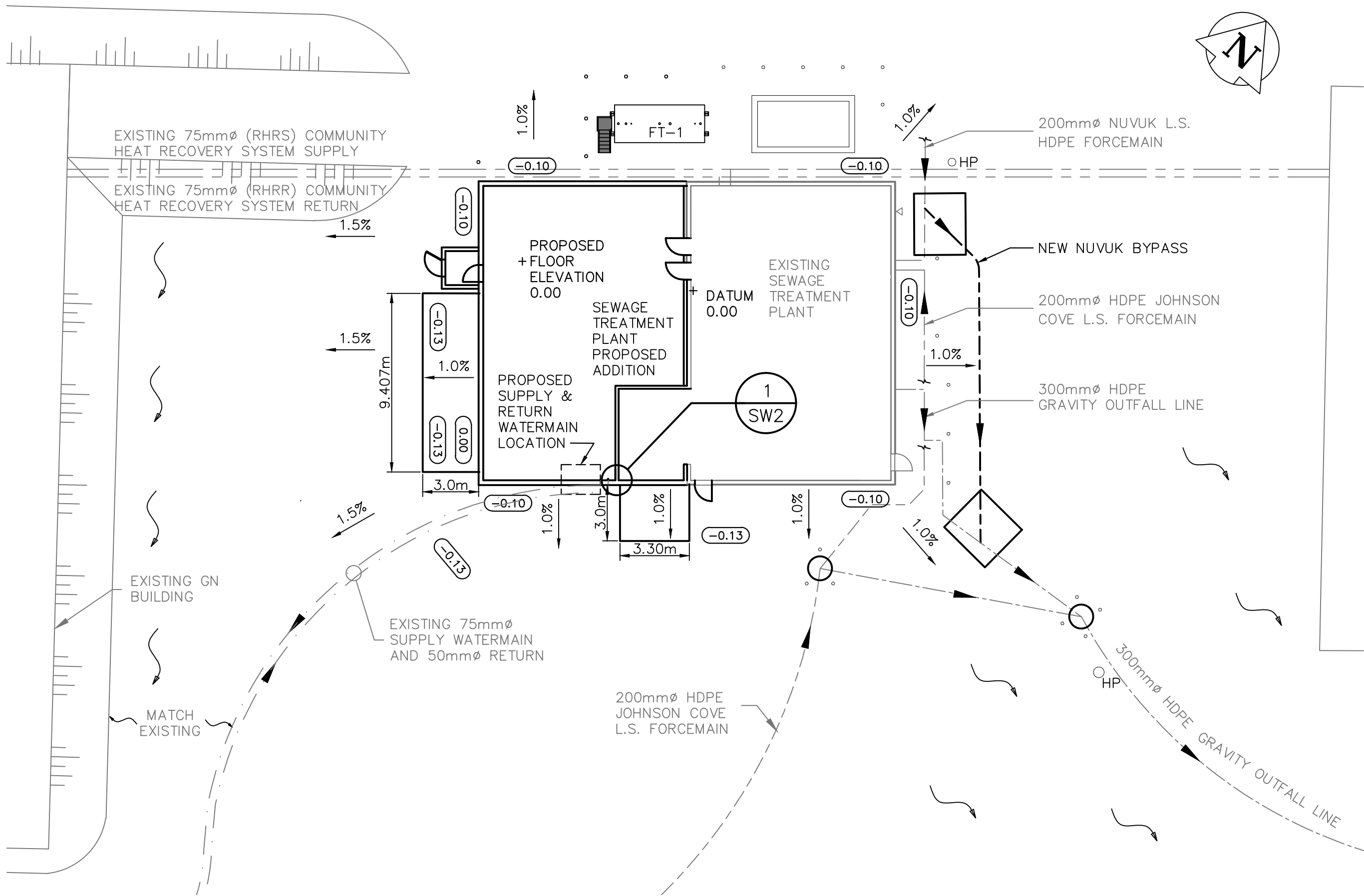
SEWERMAIN	HYDRANT	HYDRO
HYDRANT	VALVE	M.T.S.
FORCEMAIN	WATERMAIN	CONCRETE
WATERMAIN	TEST HOLE	ASPHALT
HEAT RECOVERY SYSTEM LINE	TH1	PROPERTY CORNER
ELEVATIONS	C33.30	BOLLARD
FLOW DIRECTION	5	PROPERTY CORNER
BENCHMARK	5	PROPERTY CORNER
CULVERT	5	PROPERTY CORNER
HYDRO POLE	5	PROPERTY CORNER
EXISTING	LEGEND - PLAN	PROPOSED

BURNSIDE
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web www.neeganburnside.com

Client	GOVERNMENT OF NUNAVUT COMMUNITY & GOVERNMENT SERVICES
Drawing Title	RANKIN INLET SEWAGE TREATMENT PLANT

Drawn By J. JUACALLA	Checked By G. POPOWICH	Drawing No. 300031281
Scale AS NOTED	Project No. 300031281	G-1

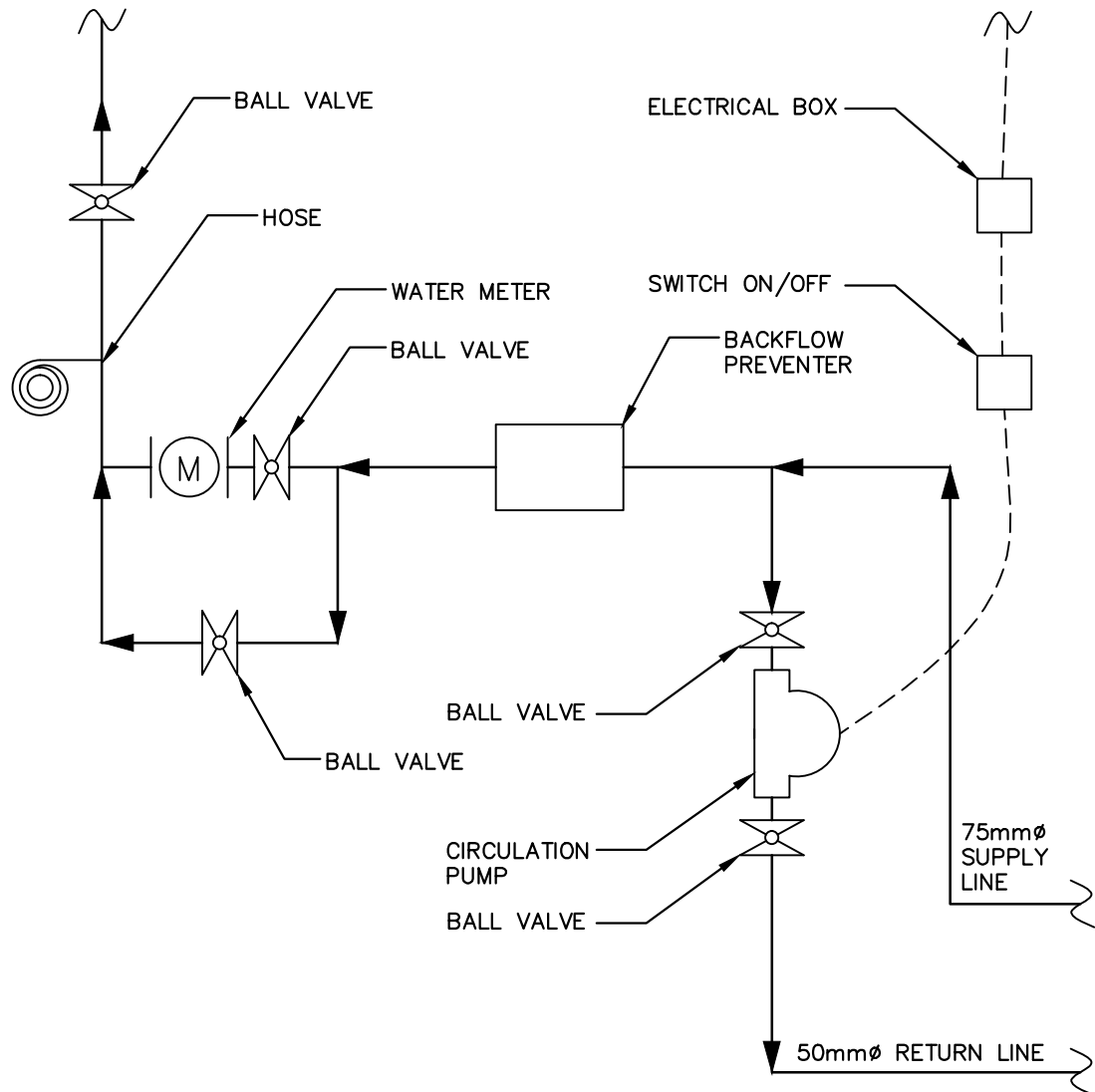
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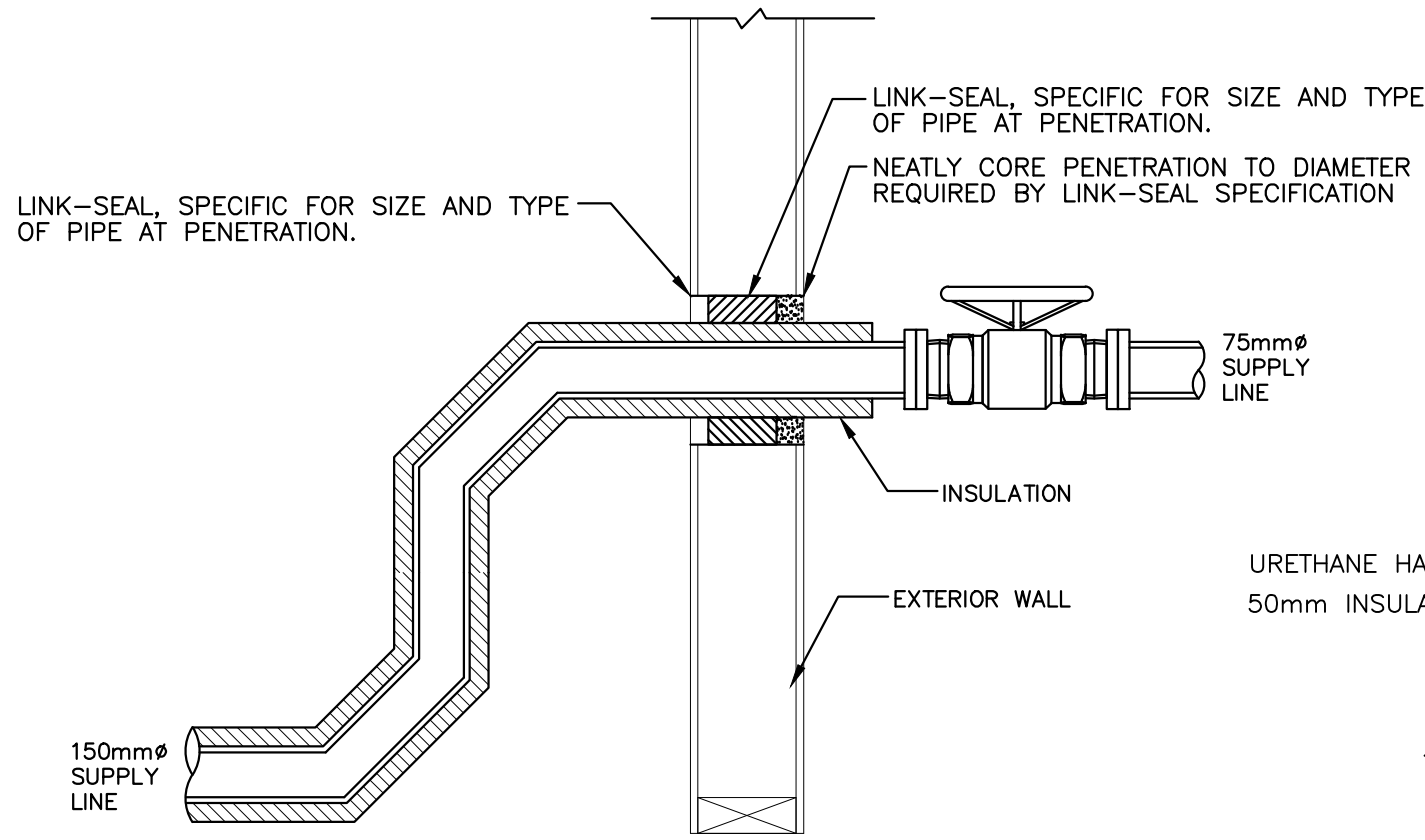
SITE GRADING PLAN
1:50

NOTES:

- CONTRACTOR TO CONFORM TO ALL FEDERAL, TERRITORIAL AND LOCAL CODES, STANDARDS AND REGULATIONS.
- CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION AND OBTAIN ALL APPROVALS, PERMITS AND PAY ALL FEES.
- THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO AVOID CAUSING ANY DAMAGE TO EXISTING INFRASTRUCTURE AND PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING INFRASTRUCTURE AND PROPERTY THAT ARE ATTRIBUTABLE TO HIS ACTIONS, ANY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO A MINIMUM PRE-CONSTRUCTION CONDITION.
- EXACT LOCATION OF UNDERGROUND SERVICES AND UTILITIES ARE APPROX. CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATES WITH UTILITIES AND VERIFYING BY EXPOSING PRIOR TO CONSTRUCTION.
- BEDDING & BACKFILL TO SPECIFICATIONS WITH MINIMUM OF 150mm DEPTH BELOW PIPE INVERT.
- CONTRACTOR TO PROVIDE AS-BUILT DRAWING TO ENGINEER ONCE CONSTRUCTION COMPLETED.
- SEE TENDER DOCUMENTS FOR SUBSURFACE INVESTIGATION REPORT.
- BEDDING SAND IS TO BE COMPACTED UNDER WATER, SEWER AND FORCEMAIN MAINS, ALONG SIDES OF PIPE WHEN HALF COVERED. SAND TO BE COMPACTED IN MINIMUM THICKNESS OF 150mm LAYERS.
- CONTRACTOR IS TO CONFIRM THE INVERT ELEVATION OF THE EXISTING CHAMBERS AND NOTIFY THE ENGINEER OF ANY DISCREPANCY GREATER THAN 0.02m.
- TEMPORARY SUPPORT TO BE PROVIDED FOR ALL HYDRO POLES AFFECTED DURING CONSTRUCTION.
- DRIVEWAYS, ROADS, BOULEVARDS, DITCHES ETC. AFFECTED BY CONSTRUCTION TO BE REINSTATED TO ORIGINAL CONDITION.
- EXISTING WATER LINES ARE SHOWN IN APPROXIMATE LOCATION. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALIGNMENT TO CONNECT TO PROPOSED LOCATION AT SEWAGE TREATMENT PLANT PROPOSED ADDITION.



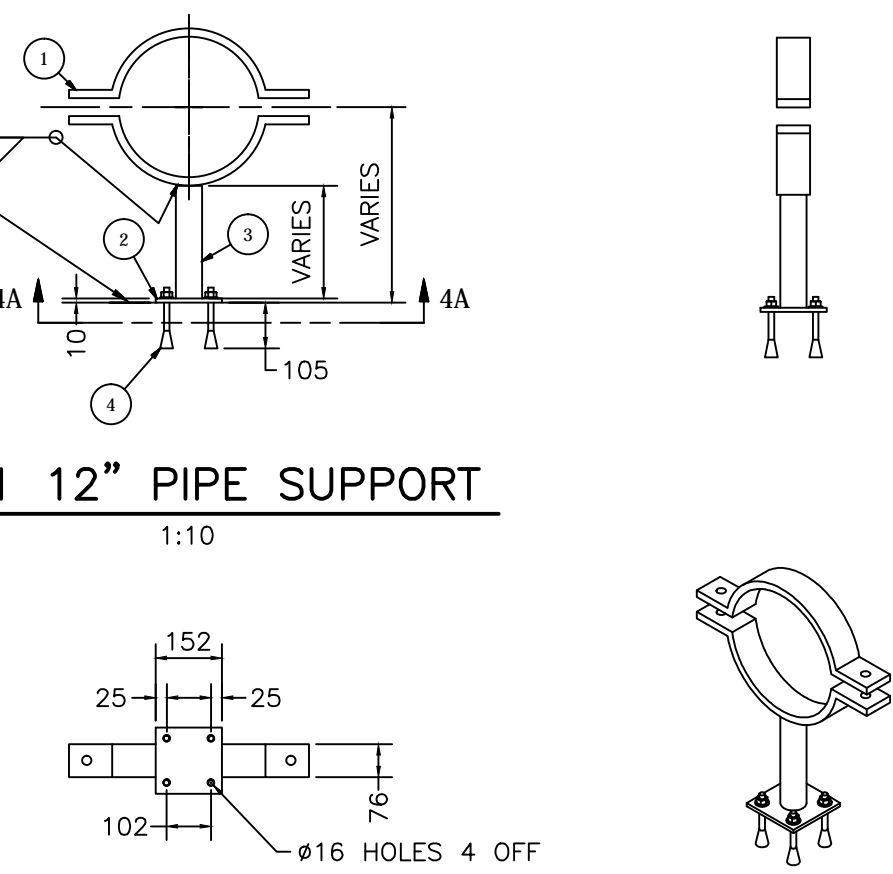
1 WATER PIPE HEADER
SW2 NTS



- NOTES:
- PROVIDE DOUBLE LINK SEALS AT WALL OR FLOOR SLAB THICKNESSES LARGER THAN 300mm.

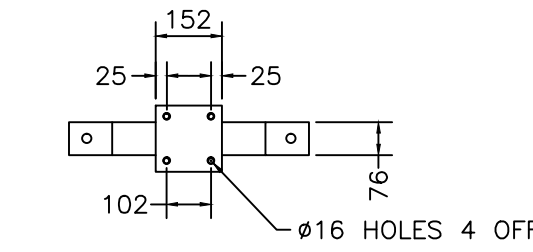
EXTERIOR WALL PIPE PENETRATION (TYP)

NTS



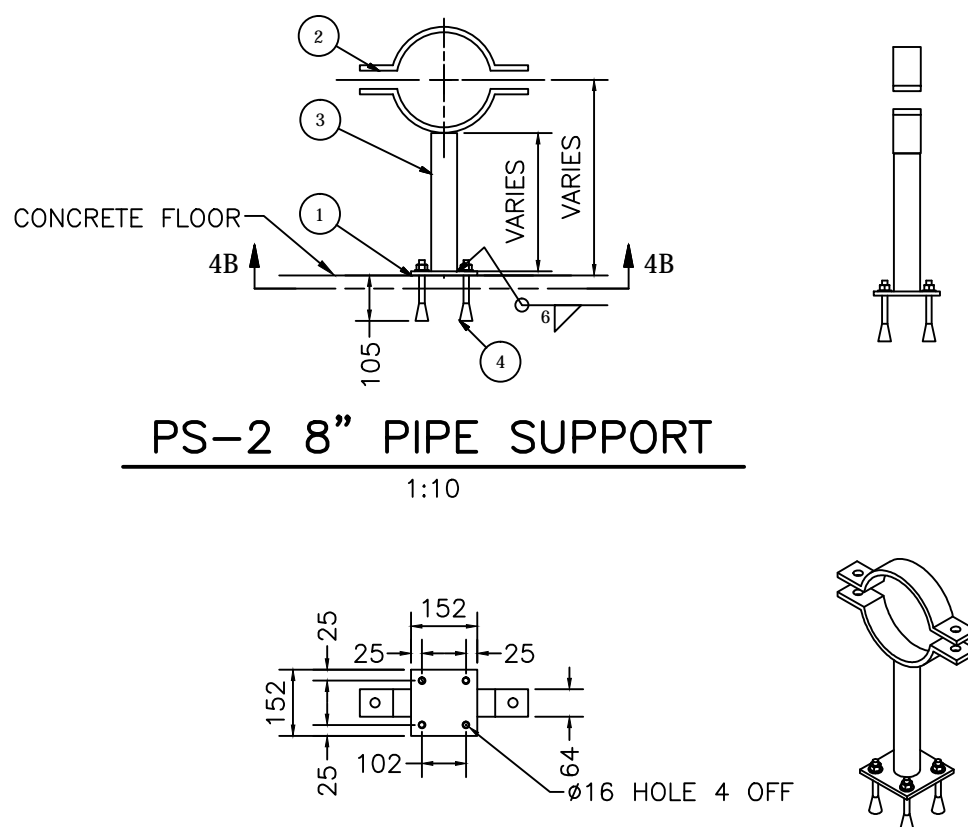
PS-1 12" PIPE SUPPORT

1:10



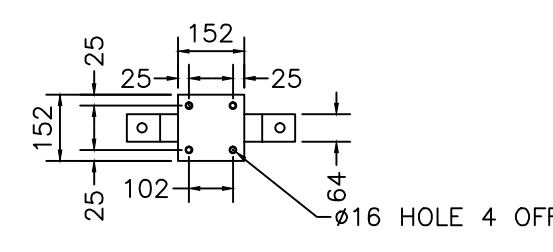
SECTION 4A-4A

1:10



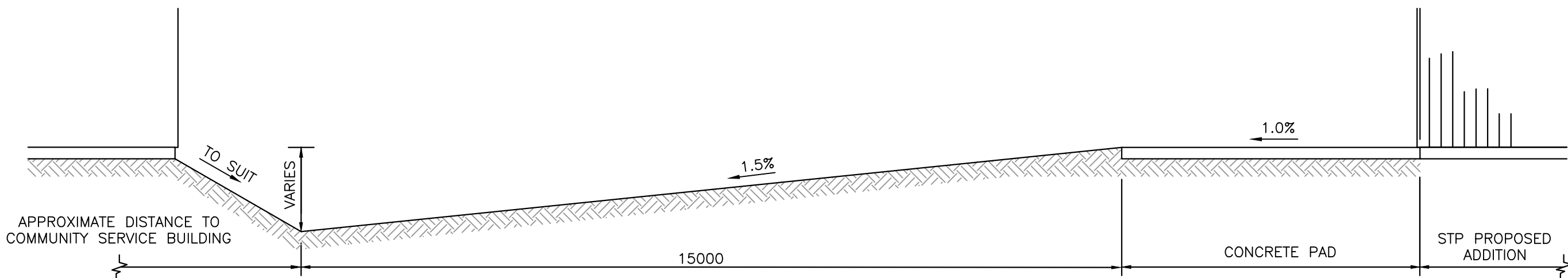
PS-2 8" PIPE SUPPORT

1:10



SECTION 4B-4B

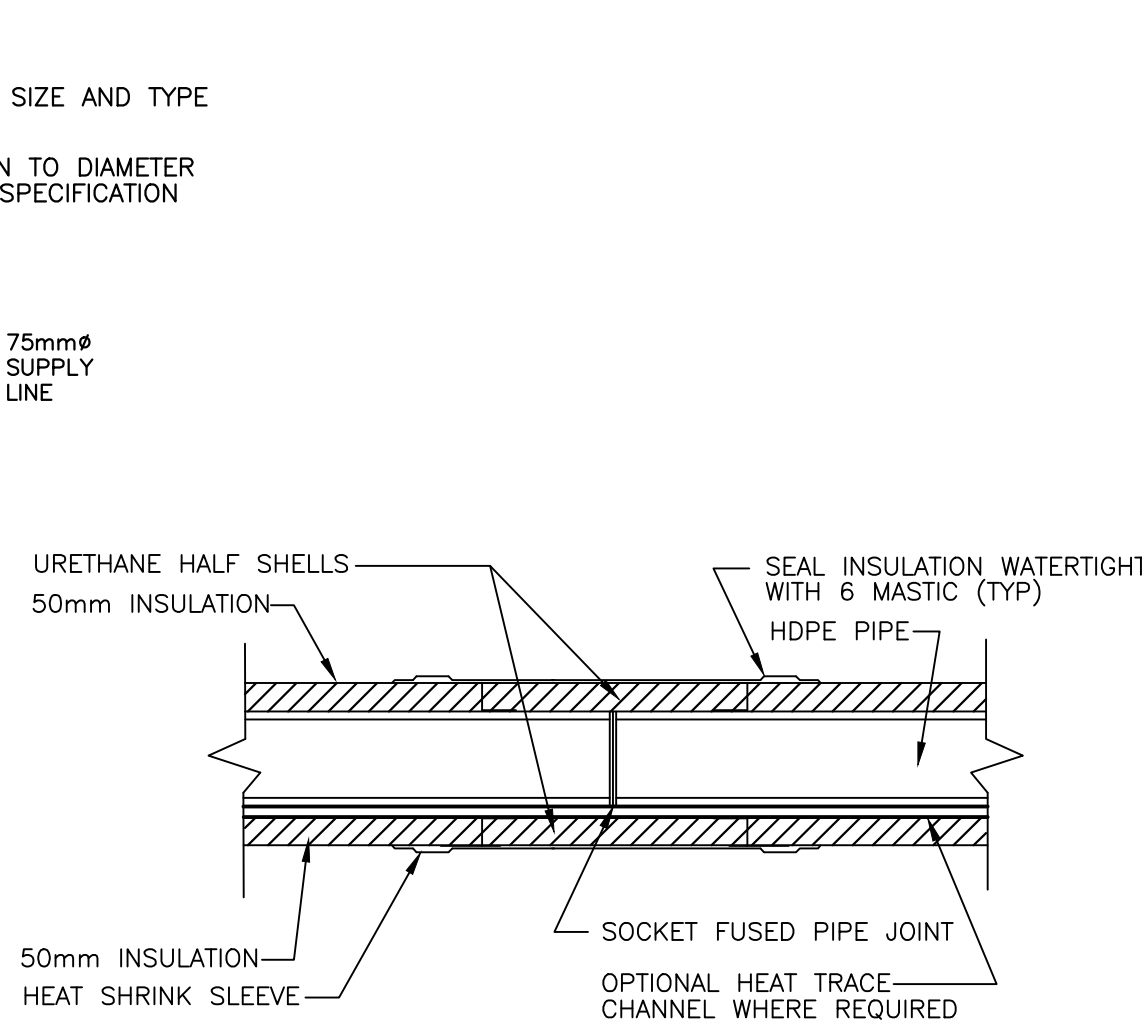
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NOTE: LINEWORK SHOWN EXAGGERATED FOR CLARITY FOR MORE DETAILS SEE SITE GRADING PLAN

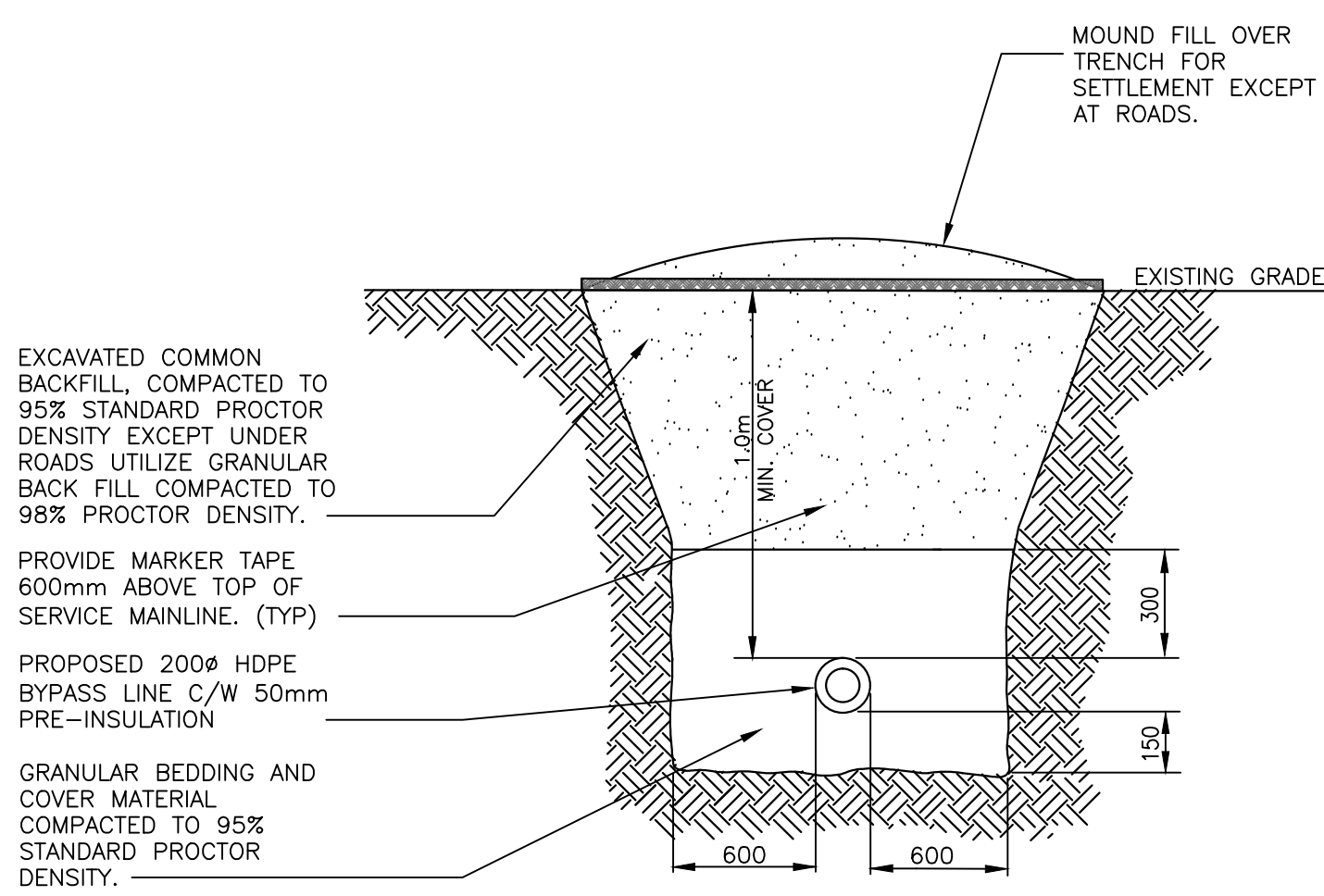
LANDSCAPING CROSS-SECTION

NTS



PIPE JOINING DETAIL (TYP)

NTS



MAINLINE PIPE TRENCH DETAIL
SINGLE PIPE (TYP)

NTS

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Issue / Revision	Date
1 ISSUED FOR 99% SUBMISSION	JANUARY 2013
2 ISSUED FOR TENDER	FEBRUARY 2013
3 REVISED AS PER ADDENDUM 1 TO 4 AND ISSUED FOR CONSTRUCTION	APRIL 2013
4 AS-BUILT	AUGUST 2015

AS-BUILT DRAWING
AS-BUILT INFORMATION PROVIDED BY THE GENERAL CONTRACTOR:
KUDLUK CONSTRUCTION LTD.
IGALUIT, NUNAVUT

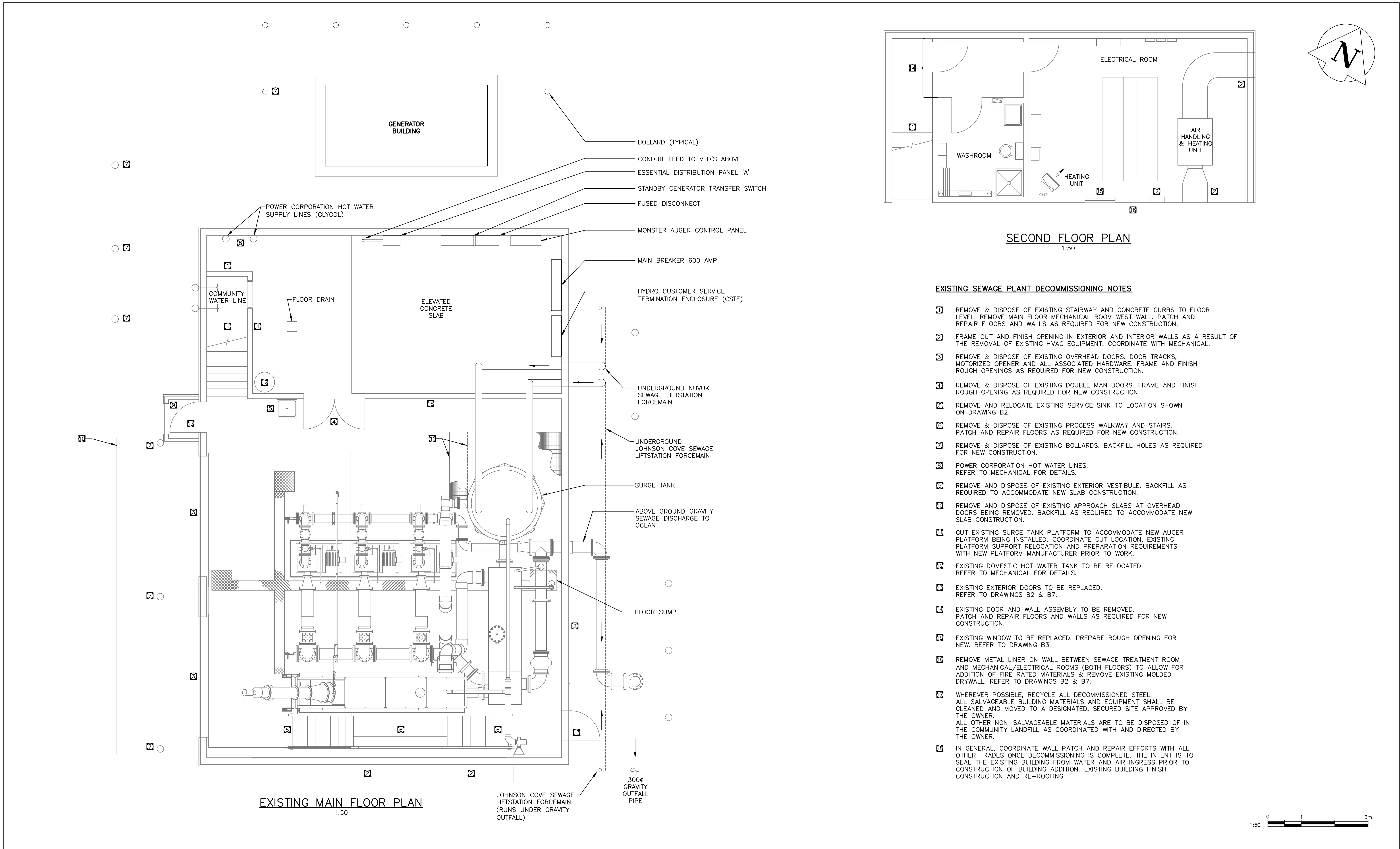
ORIGINAL
STAMPED
BY
G. POPOWICH
05/27/13

SEWERMAIN	HYDRANT	VALVE	FORCEMAIN	WATERMAIN	HEAT RECOVERY SYSTEM LINE	ELEVATIONS	FLOW DIRECTION	BENCHMARK	CULVERT	HYDRO POLE	LEGEND - PLAN
EXISTING	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	PROPOSED

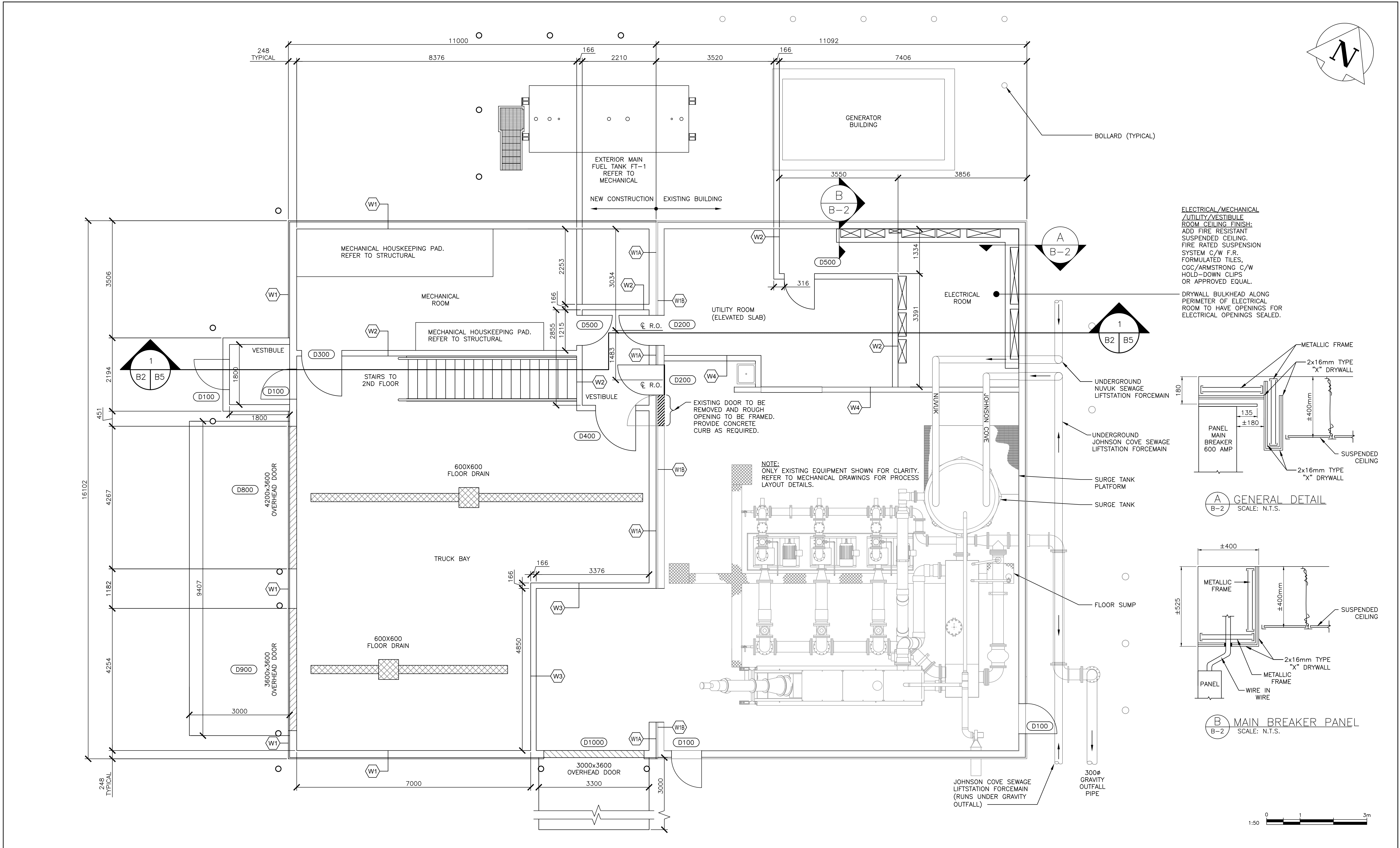
BURNSIDE
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web www.neeganburnside.com

Client
GOVERNMENT OF NUNAVUT
COMMUNITY & GOVERNMENT
SERVICES
RANKIN INLET
SEWAGE TREATMENT PLANT

Drawing Title	Drawing No.
SEWER AND WATER SITE SERVICES DETAILS AND NOTES	SW-2
Drawn By C. GERUS	Checked By G. POPOWICH
Scale AS NOTED	Project No. 300031281

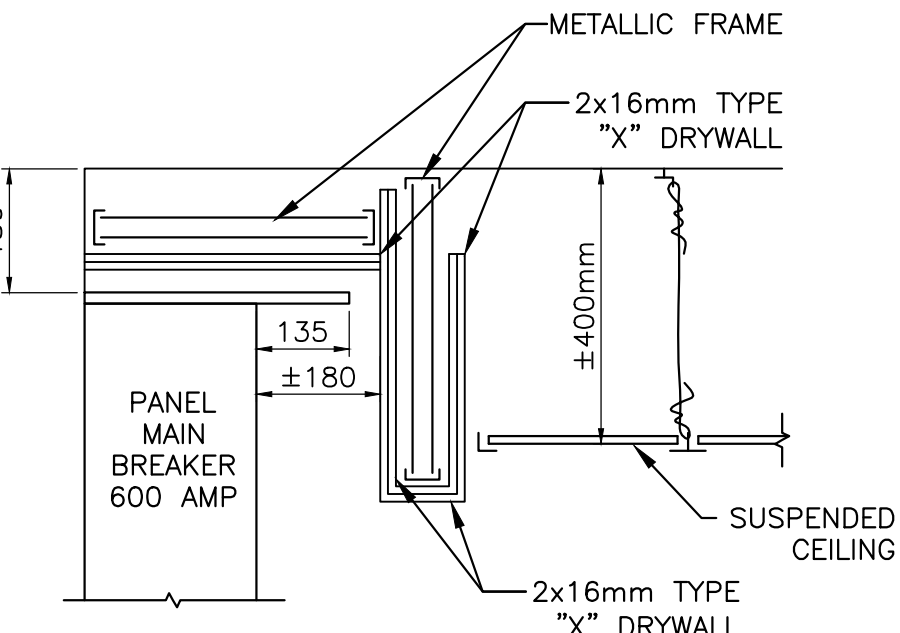


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	1	ISSUED FOR CLIENT REVIEW	OCTOBER 2012			
	2	ISSUED FOR 99% SUBMISSION	JANUARY 2013			
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	5	AS-BUILT	AUGUST 2015			

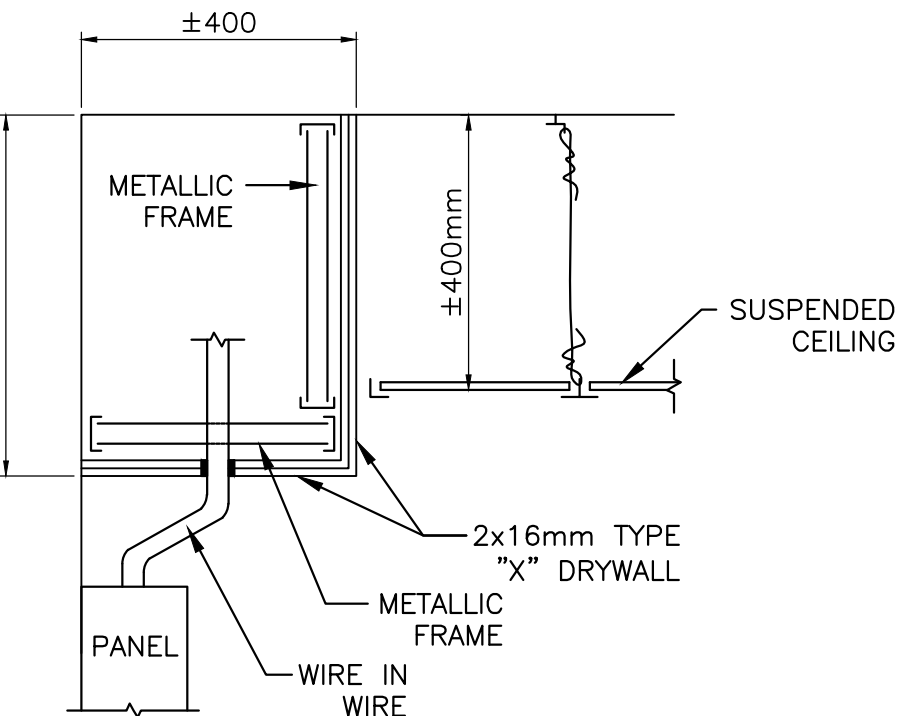


ELECTRICAL/MECHANICAL
ROOM CEILING FINISH:
ADD FIRE RESISTANT
SUSPENDED CEILING.
FIRE RATED SUSPENSION
SYSTEM C/W F.R.
FORMULATED TILES,
CGC/ARMSTRONG C/W
HOLD-DOWN CLIPS
OR APPROVED EQUAL.

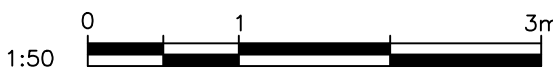
DRYWALL BULKHEAD ALONG
PERIMETER OF ELECTRICAL
ROOM TO HAVE OPENINGS FOR
ELECTRICAL OPENINGS SEALED.



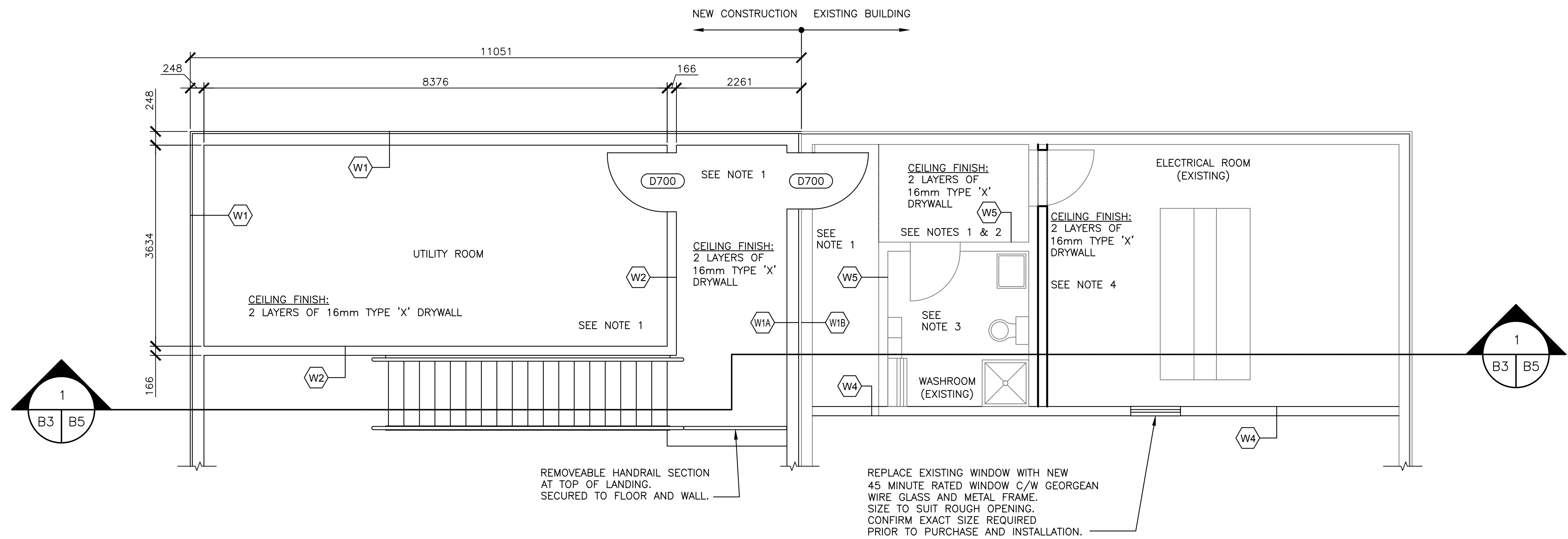
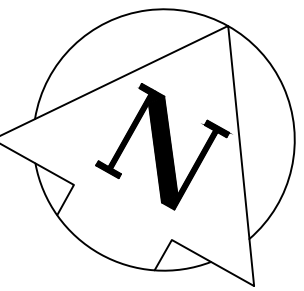
A GENERAL DETAIL
SCALE: N.T.S.



B MAIN BREAKER PANEL
SCALE: N.T.S.



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	1	ISSUED FOR CLIENT REVIEW		OCTOBER 2012					
	2	ISSUED FOR 66% SUBMISSION		NOVEMBER 2012					
	3	ISSUED FOR 99% SUBMISSION		JANUARY 2013					
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	6	AS-BUILT		AUGUST 2015				Drawn By C. GERUS Scale 1:50	Checked By G. POPOWICH Project No. 300031281
								Drawing No. B-2	

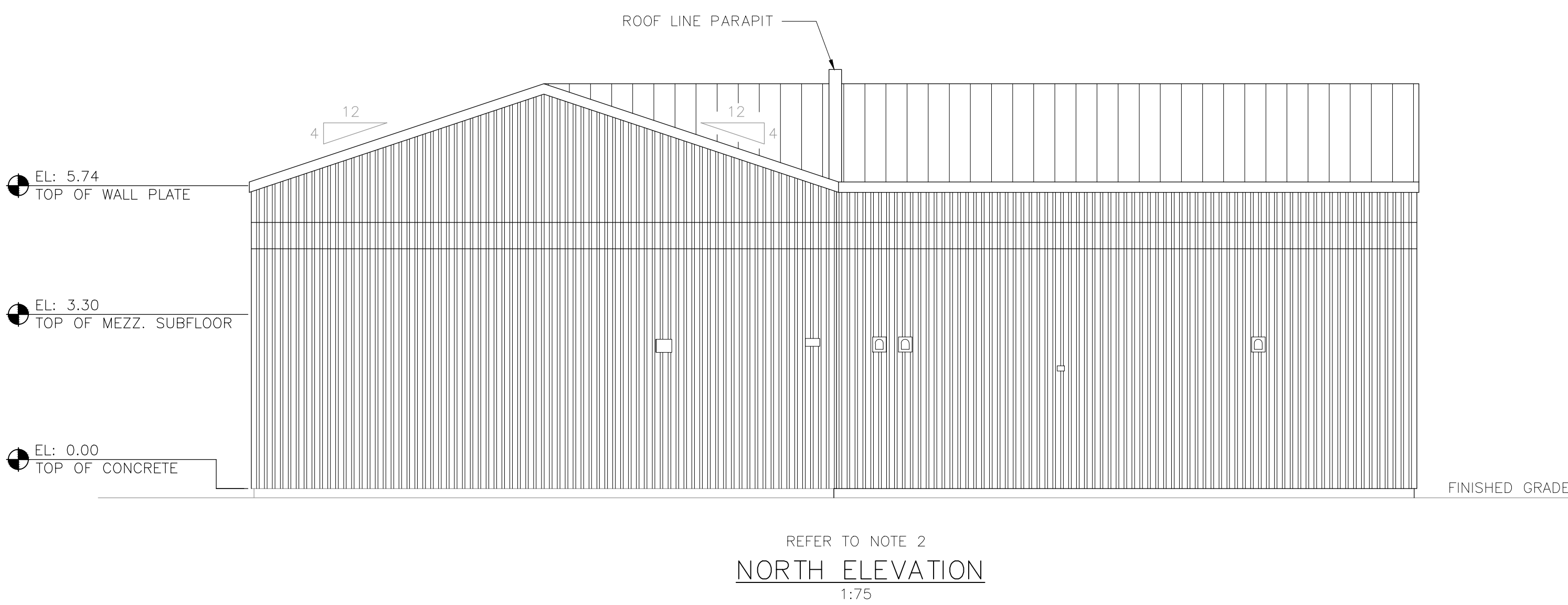
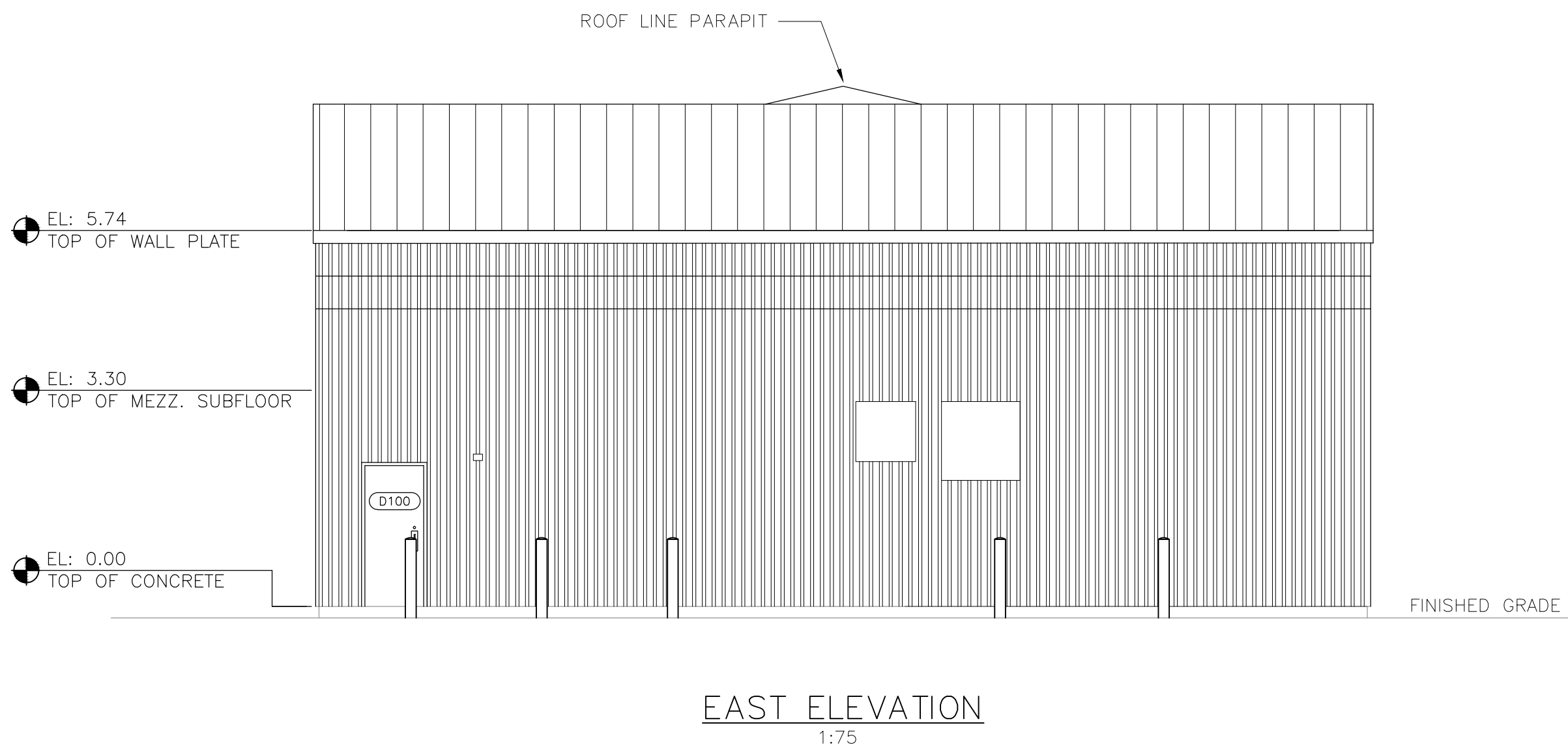
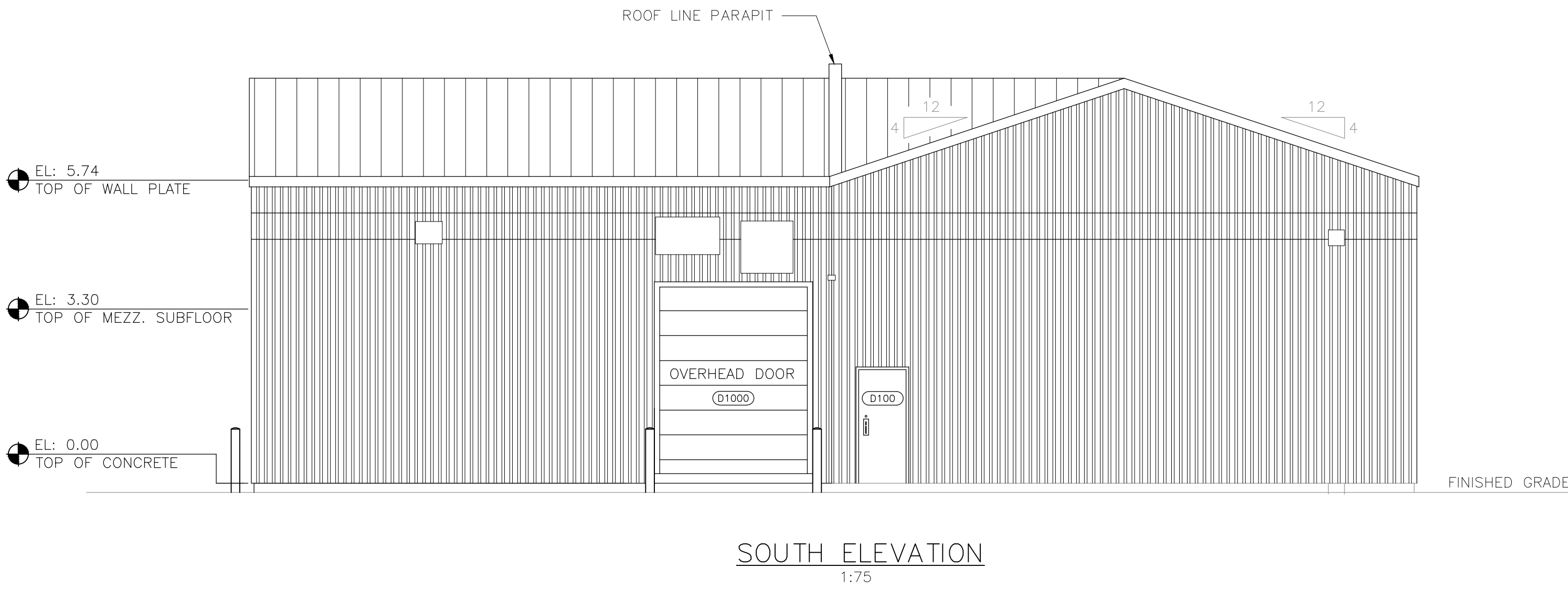
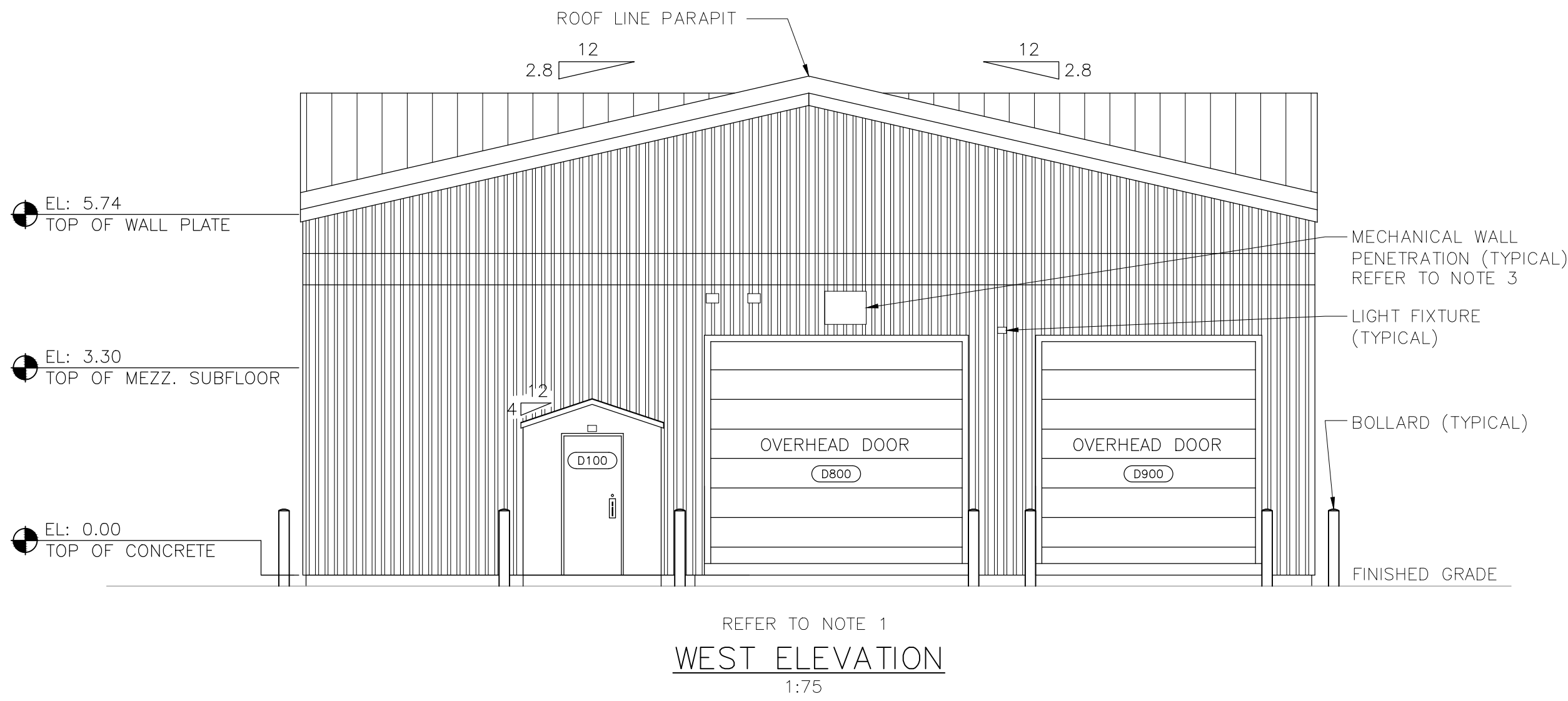


NOTES:

1. INSTALL NEW FLOORING; JOHNSONITE TARKETT IQ OPTIMA, COLOR TYPE SILVER BELL, C/W 8mm FIR PLYWOOD UNDERLAYMENT AND INSTALLED TO MANUFACTURER'S SPECIFICATIONS.
2. REMOVE EXISTING FLOORING
3. DELETE ADDITION OF 2 LAYERS OF 16mm TYPE DRYWALL ON CEILING
4. BUILD NEW 38X89 1 HR FIRE RATED WALL AGAINST BATHROOM WALL.
WALL TO BE CONSTRUCTED AS FOLLOWS:
 - 2 LAYERS OF 16mm TYPE X DRYWALL
 - 38X89 STUDS @ 400 O.C.
 - 2 LAYERS OF 16mm TYPE X DRYWALL
 - FIRE STOP JOINT AT CEILING



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	1	ISSUED FOR CLIENT REVIEW	OCTOBER 2012					GENERAL LAYOUT – 2ND FLOOR		
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								C. GERUS	G. POPOWICH	B-3
								Scale	Project No.	
								1:50	300031281	



NOTES:

1. RELOCATE EXISTING SEWAGE TREATMENT PLANT SIGN TO ADDITION WEST ELEVATION. COORDINATE EXACT LOCATION ON SITE WITH THE OWNER.
2. NORTH ELEVATION DOES NOT SHOW BOLLARDS, GENERATOR OR MAIN FUEL TANK FOR CLARITY.
3. COORDINATE EXACT LOCATIONS AND SIZES OF MECHANICAL WALL PENETRATION WITH OTHER TRADES. COORDINATE FINISH COLORS PRIOR TO INSTALLATION.

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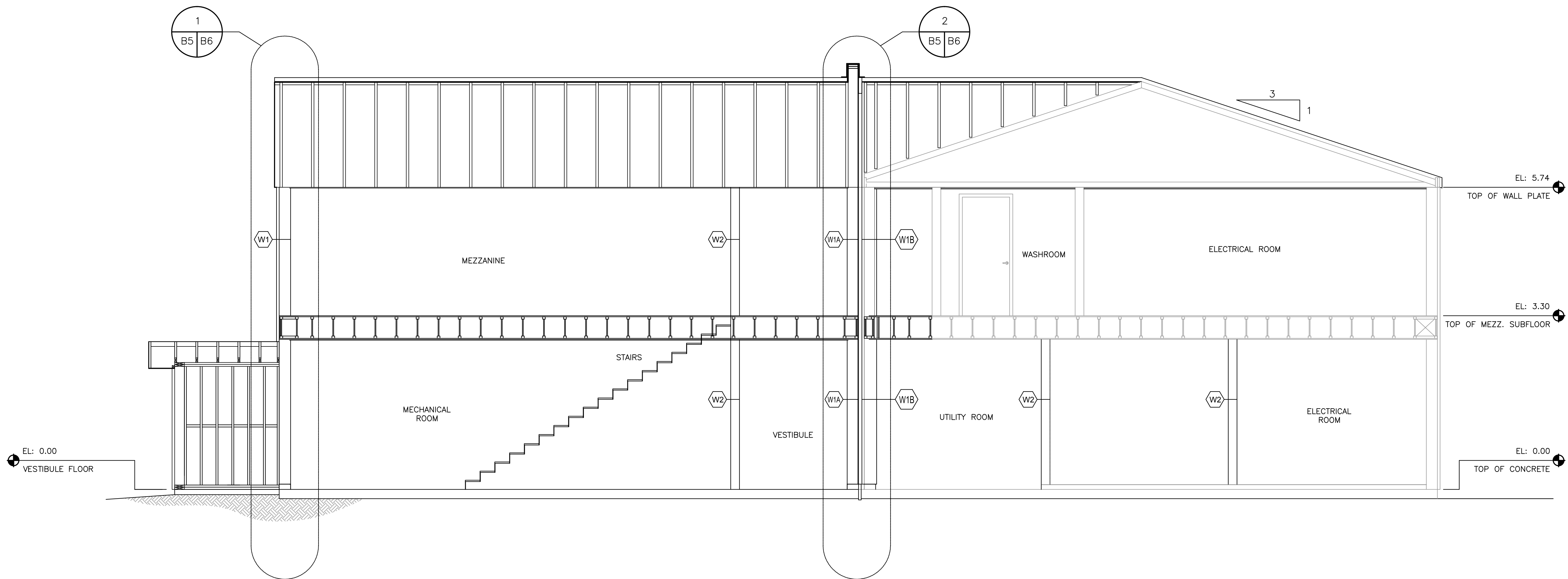
AS-BUILT DRAWING
AS-BUILT INFORMATION PROVIDED BY THE
GENERAL CONTRACTOR:
KUDLIK CONSTRUCTION LTD.
IGALUIT, NUNAVUT

ORIGINAL
STAMPED
BY
G. POPOWICH
05/27/13

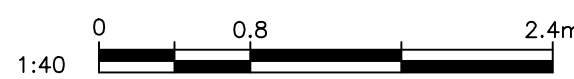
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Client
GOVERNMENT OF NUNAVUT
COMMUNITY & GOVERNMENT
SERVICES
RANKIN INLET
SEWAGE TREATMENT PLANT

Drawing Title		
EXTERIOR BUILDING ELEVATIONS		
Drawn By C. GERUS	Checked By G. POPOWICH	Drawing No. B-4
Scale AS NOTED	Project No. 300031281	



1 1
B2 B5 B3 B5
BUILDING CROSS SECTION
1:40



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3 ISSUED FOR 99% SUBMISSION	JANUARY 2013
4 ISSUED FOR TENDER	FEBRUARY 2013
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6 AS-BUILT	AUGUST 2015

AS-BUILT DRAWING
AS-BUILT INFORMATION PROVIDED BY THE
GENERAL CONTRACTOR:
KUDLIK CONSTRUCTION LTD.
IGALUIT, NUNAVUT

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05/27/13

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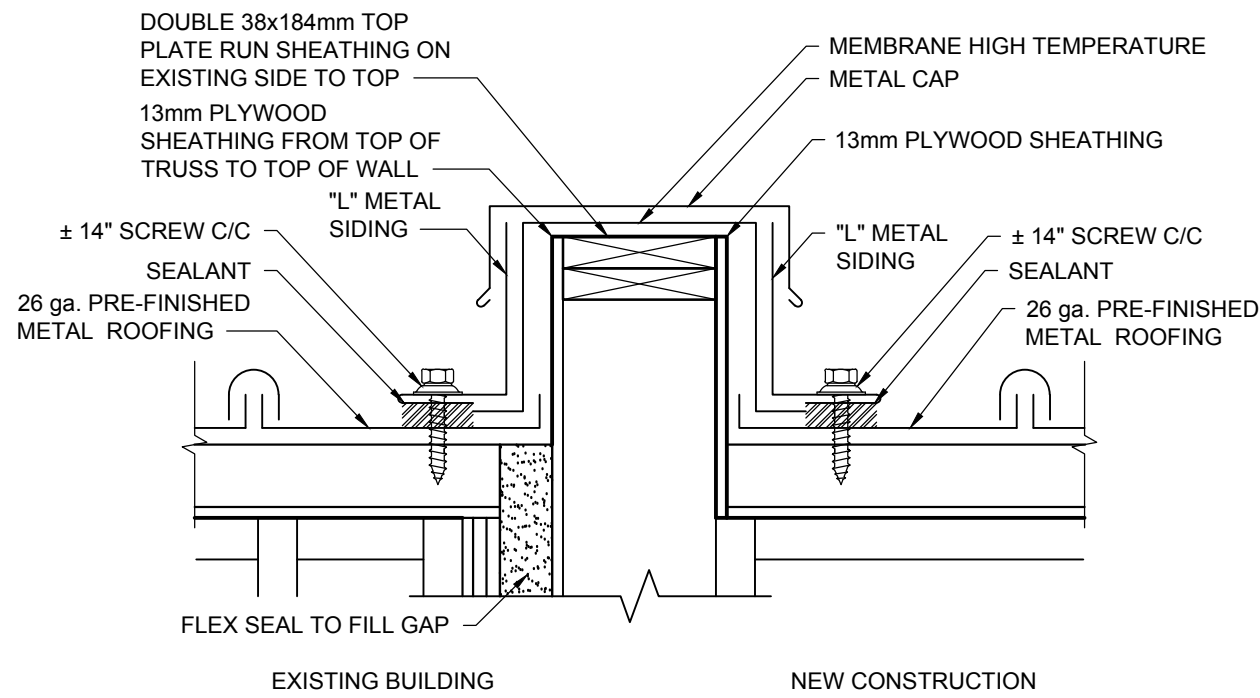
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SERVICES
RANKIN INLET
SEWAGE TREATMENT PLANT

Drawing Title
BUILDING CROSS SECTION

Drawn By C. GERUS Scale 1:40	Checked By G. POPOWICH Project No. 300031281	Drawing No. B-5
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NOTES:

1. BASE LAYER OF 16mm TYPE 'X' DRYWALL ATTACHED WITH 48mm 6d CEMENT COATED NAILS AT 150mm O/C. FACE LAYER OF 16mm TYPE 'X' DRYWALL ATTACHED WITH 60mm 6d CEMENT COATED NAILS AT 200mm O/C. STAGGER JOINTS BETWEEN LAYERS AND TAPE EACH JOINT.
2. BASE LAYER OF 16mm DENSGLASS FIREGUARD SHEATHING ATTACHED WITH 48mm GALVANIZED ROOFING NAILS AND LOAD SPREADING WASHERS AT 400mm O/C. FACE LAYER OF 16mm DENSGLASS FIREGUARD SHEATHING ATTACHED WITH 60mm GALVANIZED ROOFING NAILS AND LOAD SPREADING WASHERS AT 200mm O/C. STAGGER JOINTS BETWEEN LAYERS. TAPE JOINTS AS PER MANUFACTURER'S RECOMMENDED METHODS.
3. PROTECT UNDERSIDE OF DRYWALL LAYERS WITH PRE-FINISHED METAL FLASHING, SCREWED UNDER PRE-FINISHED METAL LINER AND SILICONE SEALED ALONG CURB FACE. SILICONE SEAL BETWEEN FLASHING AND PRE-FINISHED METAL LINER.
4. INSTALL BAKOR BLUE SKIN MEMBRANE OVER JOINT ALONG FULL LENGTH OF WALL. MEMBRANE SHALL RUN 300mm MINIMUM ABOVE AND BELOW TO OF SLAB CURB.
5. PLYWOOD FILL WEB OF PRE-ENGINEERED JOIST TO MATCH AND ATTACH TO SHEATHING LAYER. ATTACH PRE-ENGINEERED JOIST AT INNER TOP-PLATE LINE AFTER FILLING CAVITY WITH BATT INSULATION. INFILL BETWEEN TOP AND BOTTOM PLATES OF PRE-ENGINEERED JOISTS WITH 38mm FRAMING LUMBER TO SUIT SPACE, ATTACH 50mm RIGID INSULATION TO FACE OF INNER PRE-ENGINEERED JOIST.
6. PLYWOOD FILL WEB OF PRE-ENGINEERED JOIST TO MATCH AND ATTACH TO SHEATHING LAYER. FILL CAVITY BETWEEN JOISTS WITH BATT INSULATION. INFILL BETWEEN TOP AND BOTTOM PLATES OF PRE-ENGINEERED JOISTS WITH 38mm FRAMING LUMBER TO SUIT SPACE.



A
B-6
NOT TO SCALE

PROVIDE FLASHING AT ADDITION WALL/ROOF CONNECTION

26 ga. PRE-FINISHED STANDING SEAM METAL ROOFING, VICWEST OR APPROVED EQUAL
12mm PLYWOOD SHEATHING C/W CLIPS;
PRE-ENGINEERED TRUSSES @ 400 O/C

PRE FORMED, PRE FINISHED VENTED METAL SOFFIT c/w METAL TRIM MOLDINGS

VESTIBULE WALL
• 26 ga. PRE-FINISHED METAL SIDING (MATCH ADDITION)
• AIR BARRIER
• 13mm CSP EXTERIOR GRADE SPRUCE PLYWOOD
• 38mmx140mm PWF STUDS @ 406mm O.C.
• 13mm CSP EXTERIOR GRADE SPRUCE PLYWOOD

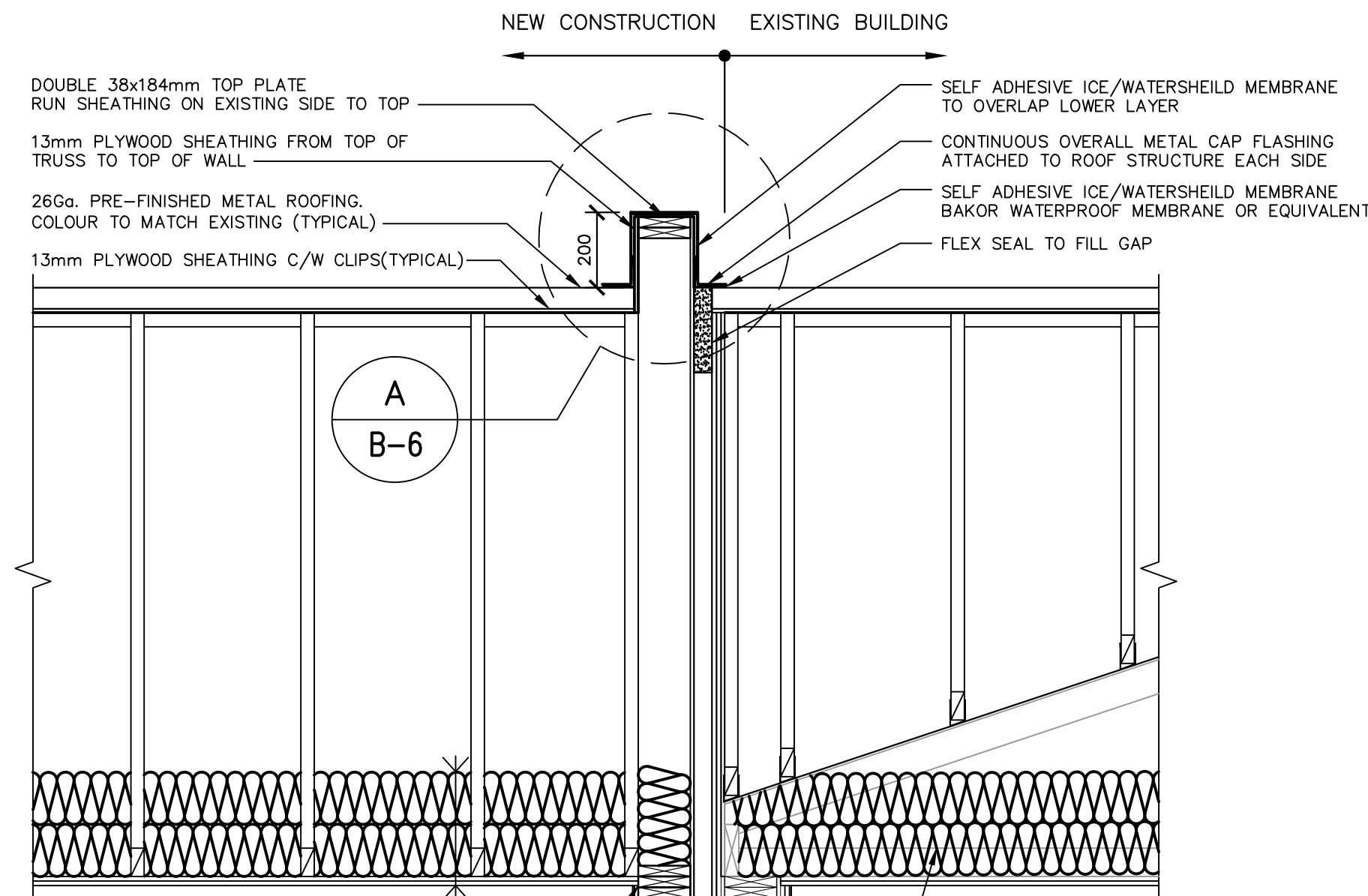
CONTINUOUS 38mmx140mm BLOCKING @ MID-HEIGHT

VESTIBULE FLOOR ELEV 0.00

TYPICAL UTILITY ROOM & TRUCK GARAGE BAY CEILING CONSTRUCTION:
• 26 ga. PRE-FINISHED METAL LINER (POLAR WHITE)
• 2 LAYERS OF 16mm TYPE 'X' DRYWALL
• SUPER 6mil POLY V. BARRIER (POLAR WHITE)
• R40 BATT INSULATION (OPTION R40 BLOWN IN)

TYPICAL MECHANICAL ROOM CEILING CONSTRUCTION:
• 26 ga. PRE-FINISHED METAL LINER (POLAR WHITE)
• 2 LAYERS OF 16mm TYPE 'X' DRYWALL

1
B5 B6
WALL SECTION
1:20



1 HOUR FIRE RATED CEILING CONSTRUCTION:
• 26 ga. PRE-FINISHED METAL LINER
• 2 LAYERS OF 16mm TYPE 'X' DRYWALL
• SUPER 6mil POLY V. BARRIER (POLAR WHITE)
• R40 BATT INSULATION (OPTION R40 BLOWN IN)

38x184 TRIPLE PLATE TO PROVIDE SECURING OF SHEATHING AND TRUSS IN ATTIC SPACE

MEZZANINE LEVEL ACCESS/EGRESS STAIRWAY BEYOND
DOUBLE TOP PLATE
INFLOR FLOOR STRUCTURE TO MATCH EXISTING WHERE STAIRS REMOVED.
13mm PLYWOOD SHEATHING, TWO LAYERS OF 16mm TYPE 'X' DRYWALL (SEE NOTE 1)
50mm RIGID INSULATION
SEE NOTE 5

1. EXISTING WALL CONSTRUCTION:
• EXISTING PRE-FINISHED METAL LINER (INTERIOR)
• EXISTING 13mm SPRUCE PLYWOOD
• EXISTING 6 MIL POLY VAPOUR BARRIER
• EXISTING 89x184 WOOD STUDS
• EXISTING R28 FIBREGLASS BATT INSULATION
• EXISTING 13mm SPRUCE PLYWOOD
• EXISTING TYVEK AIR BARRIER
• EXISTING PRE-FINISHED METAL CLADDING (EXTERIOR)

PREPARATION FOR NEW FIRE WALL CONSTRUCTION:
• REMOVE EXISTING PRE-FINISHED METAL LINER (INTERIOR)
• REMOVE EXISTING TYVEK AIR BARRIER (EXTERIOR)
• REMOVE EXISTING PRE-FINISHED METAL CLADDING (EXTERIOR)

50mm GAP TO REMAIN BETWEEN WALLS

SEE NOTE 4

SEE NOTE 3

EXISTING 100mm HIGH CURB

EXISTING THICKENED EDGE SLAB

EXISTING 50mm RIGID INSULATION

PROPOSED STRUCTURAL SLAB

STRUCTURAL GRADE BEAM

STRUCTURAL PILE CAP

STRUCTURAL PILE

2
B5 B6
WALL SECTION
1:20

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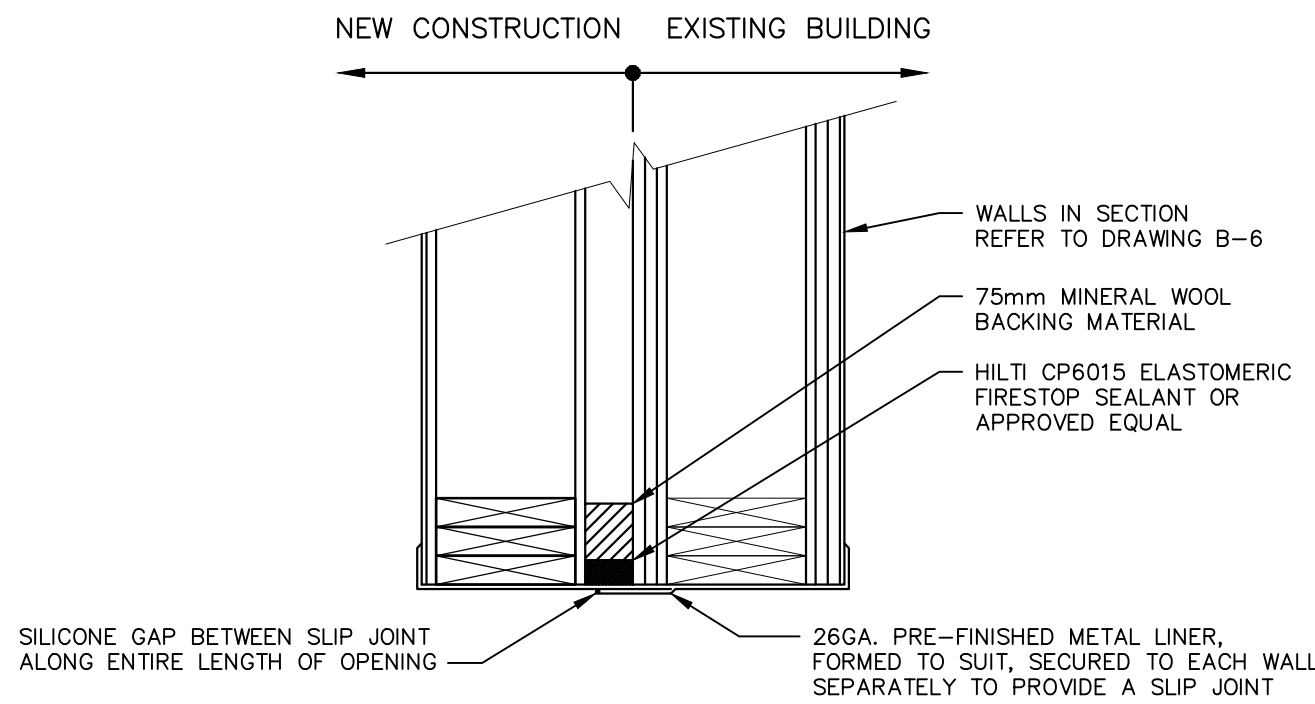
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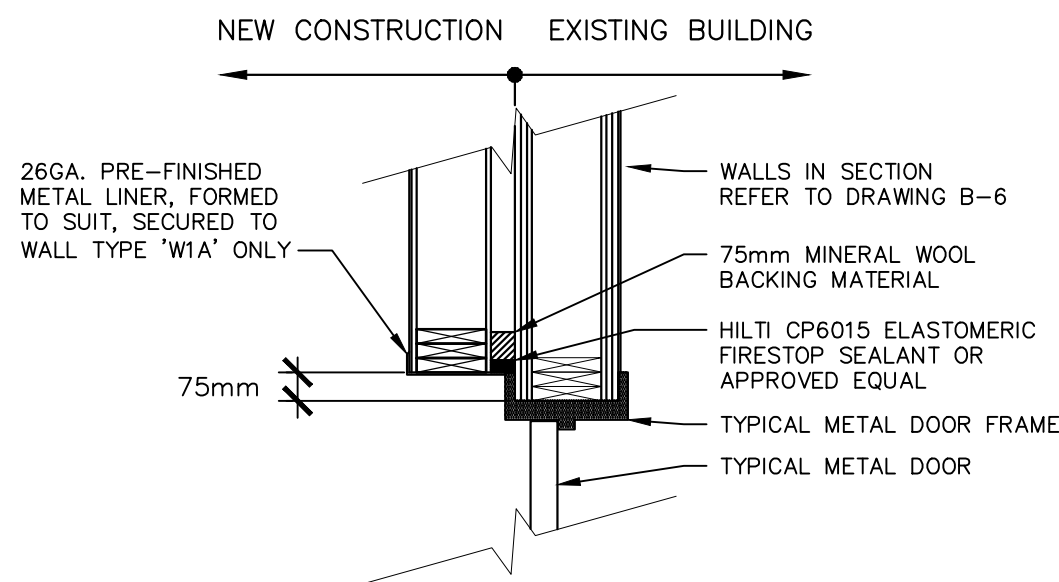
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SEWAGE TREATMENT PLANT

Drawing Title
BUILDING WALL SECTIONS

Drawn By C. GERUS	Checked By G. POPOWICH	Drawing No. B-6
Scale AS NOTED	Project No. 300031281	

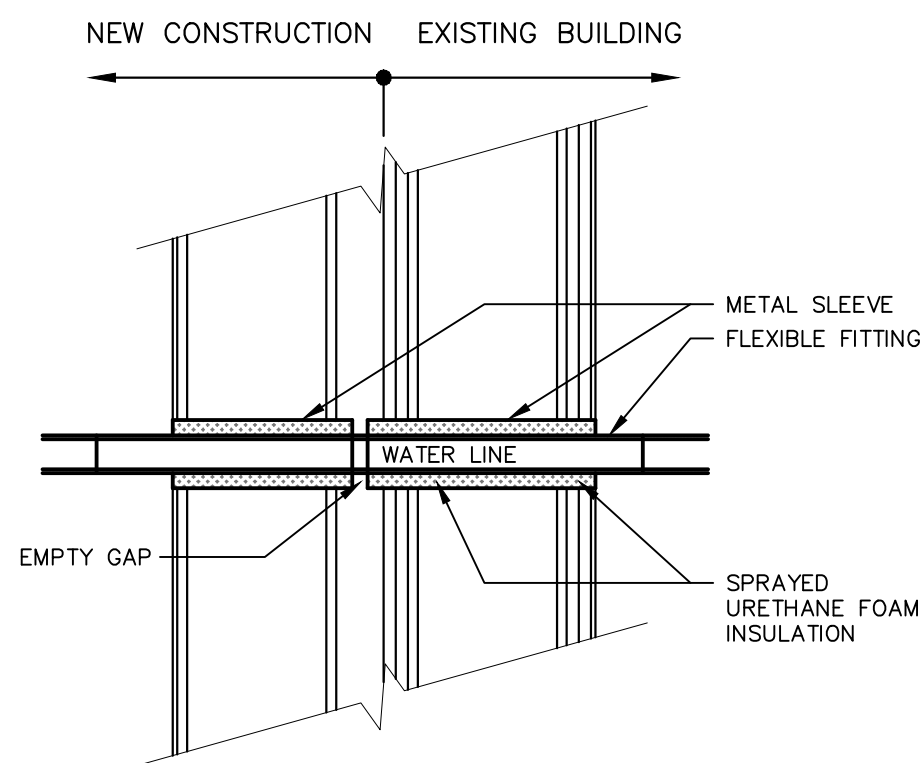


GAP OPENING WALL SECTION
1:10

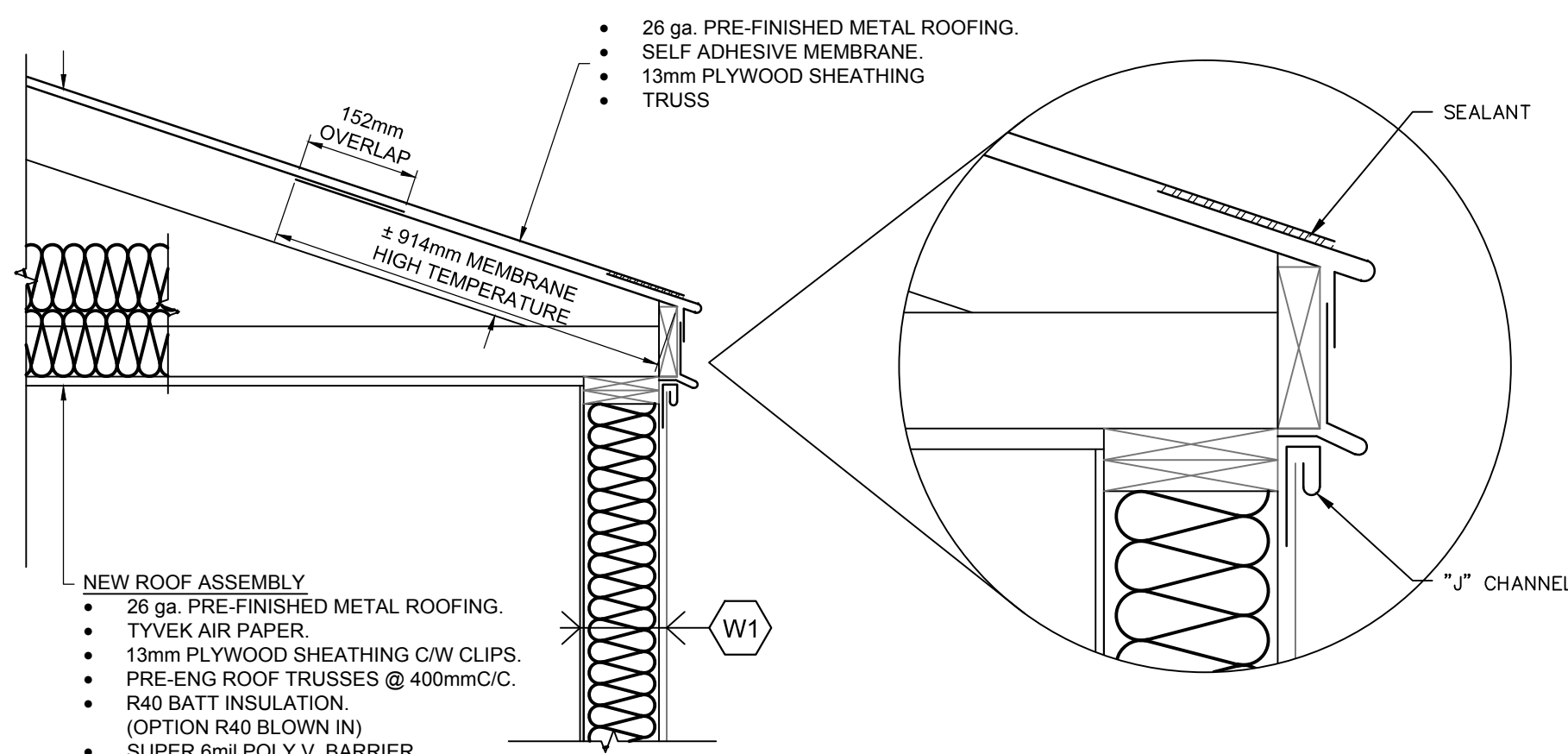


DOOR OPENING WALL SECTION
1:20

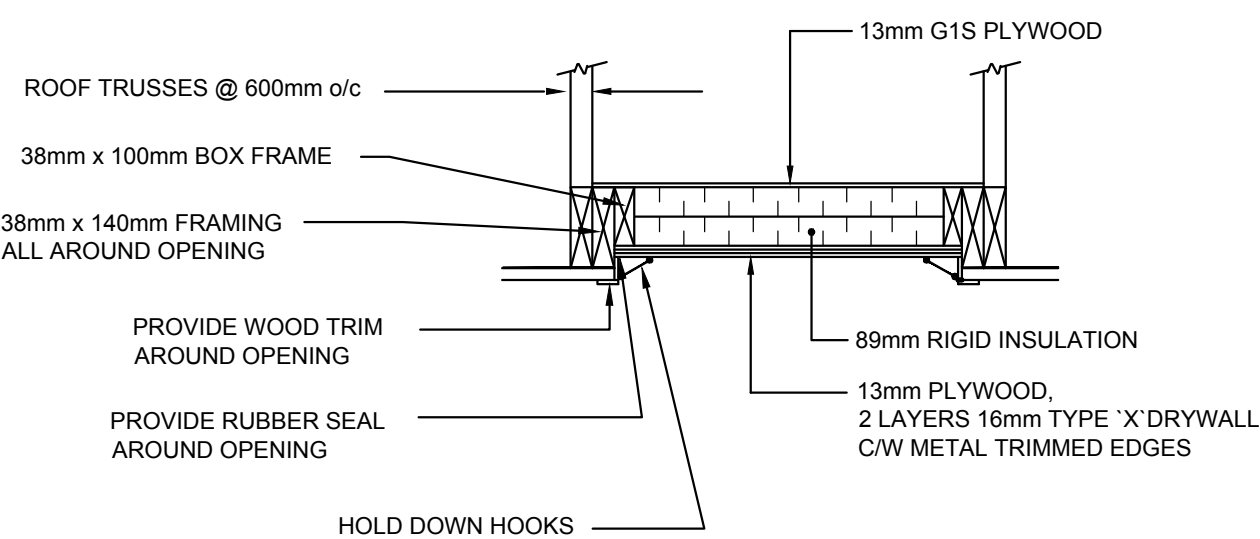
DOOR SCHEDULE							
TYPE	DOOR SIZE	MATERIAL	FINISH	RATING (HOURS)	REMARKS ***ALL DOOR SWINGS AS SHOWN ON FLOOR PLAN B-2***	FRAME	HARDWARE CODES
D100	914 x 2130 x 45	METAL, INSULATED	PAINTED	—	STEEL STIFFENED	INSULATED PRESSED STEEL	A, B, C, D, F, G, J, K, L, M, P
D200	914 x 2130 x 45	METAL, INSULATED	PAINTED	1.5	STEEL STIFFENED, 1/4 LITE WIRED GLASS	INSULATED PRESSED STEEL	A, B, C, D, F, G, I, J, K, L, M
D300	1219 x 2130 x 45	METAL	PAINTED	45 MIN.	LEVER HANDLE LOCK SET	HOLLOW PRESSED STEEL	A, B, C, D, F, G, I, J
D400	914 x 2130 x 45	METAL	PAINTED	—	1/2 LITE WIRED GLASS	HOLLOW PRESSED STEEL	A, B, C, D, F, G, I, J,
D500	914 x 2130 x 45	METAL	PAINTED	45 MIN.	LEVER HANDLE LOCK SET	HOLLOW PRESSED STEEL	A, B, C, E, J,
D600	914 x 2130 x 45	METAL, INSULATED	PAINTED	1.5	LEVER HANDLE LOCK SET	INSULATED PRESSED STEEL	A, B, C, E, I, J,
D700	1067 x 2130 x 45	METAL, INSULATED	PAINTED	1.5	STEEL STIFFENED	INSULATED PRESSED STEEL	A, B, C, D, F, G, J
D800	4200 x 3600	INSULATED METAL	MANUFACTURERS APPLIED FINISH COATING	—	INSULATED OVERHEAD DOOR CHAIN HOIST REFER TO SPECIFICATIONS	HOLLOW PRESSED STEEL	K, M, REFER TO SPECIFICATIONS
D900	3600 x 3600	INSULATED METAL	MANUFACTURERS APPLIED FINISH COATING	—	INSULATED OVERHEAD DOOR CHAIN HOIST REFER TO SPECIFICATIONS	HOLLOW PRESSED STEEL	K, M, REFER TO SPECIFICATIONS
D1000	3000 x 3600	INSULATED METAL	MANUFACTURERS APPLIED FINISH COATING	—	INSULATED OVERHEAD DOOR CHAIN HOIST REFER TO SPECIFICATIONS	HOLLOW PRESSED STEEL	K, M, REFER TO SPECIFICATIONS
A. BUTT HINGES B. DOOR CLOSER C. SELF-LATCHING HARDWARE D. DEADBOLT E. PASSAGE SET F. PANIC SET G. PUSH/PULL H. BARRIER FREE HARDWARE I. KICK PLATE J. DOOR STOP K. WEATHER STRIPPING L. THRESHOLD M. SWEEP N. KEY ACCESS FROM EXIT O. WASHROOM SET (PRIVATE) P. WIND LIMITER (INTEGRAL WITH CLOSER) Q. UNIVERSAL BARRIER FREE SIGNAGE R. POWER DOOR OPERATOR							



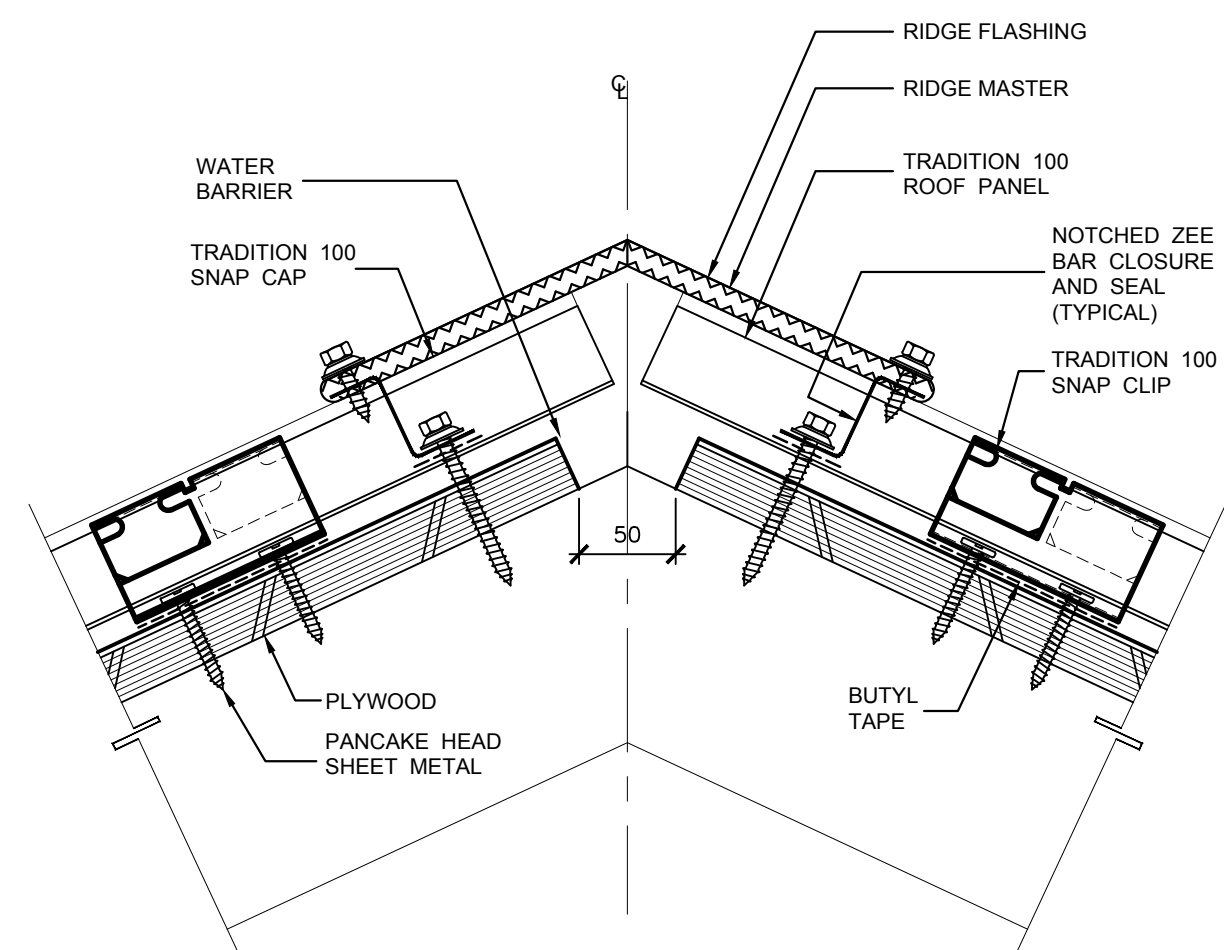
INSULATION FOR WATER SUPPLY PIPING AT NEW/OLD BUILDING JUNCTION NEW MECHANICAL ROOM AND STORAGE AREA
NOT TO SCALE



METAL ROOFING SECTION
NOT TO SCALE



DETAIL - ATTIC HATCH
NOT TO SCALE



NOTE:

SUPPLY AND INSTALL 3 GABLE ROOF VENT—PREFINISHED METAL GRILLS, 24 ga. C/W INSECT SCREEN

DETAIL - RIDGE VENT
NOT TO SCALE

WALL SCHEDULE	
W1	EXTERIOR WALL (WEST) <ul style="list-style-type: none">26 ga. PRE-FINISHED METAL LINER (INTERIOR)13mm PLYWOOD SHEATHING16mm TYPE X DRYWALL (2 LAYERS IN MECHANICAL ROOM)6 MIL. POLY VAPOUR BARRIER38x184 WOOD STUDS AT 406mm O/C, C/W SOLID BLOCKING MID HEIGHTR28 FIBREGLASS BATT INSULATION13mm CSP EXTERIOR GRADE SHEATHINGTYVEK AIR BARRIER26 ga. METAL SIDING TO MATCH EXISTING (EXTERIOR)
W1A	EXTERIOR WALL (EAST) <ul style="list-style-type: none">26 ga. PRE-FINISHED METAL LINER (INTERIOR)13mm PLYWOOD SHEATHING16mm TYPE X DRYWALL (2 LAYERS IN MECHANICAL ROOM)6 MIL. POLY VAPOUR BARRIER38x184 WOOD STUDS AT 406mm O/C, C/W SOLID BLOCKING MID HEIGHTR28 FIBREGLASS BATT INSULATION13mm CSP EXTERIOR GRADE SHEATHINGTYVEK AIR BARRIER
W1B	NEW FIRE RATED WALL (1.5 HOUR) CONSTRUCTION ON EXISTING BUILDING WALL: SEE NOTES ON DWG. B-6 FOR FURTHER INSTALLATION DETAILS <ul style="list-style-type: none">ADD 26 ga. PRE-FINISHED METAL LINER (INTERIOR) TO MATCH EXISTINGADD TWO LAYERS OF 16mm TYPE 'X' DRYWALLEXISTING 13mm SPRUCE PLYWOODEXISTING 6 MIL. POLY VAPOUR BARRIEREXISTING 38x184 WOOD STUDSEXISTING R28 FIBREGLASS BATT INSULATIONEXISTING 13mm SPRUCE PLYWOODADD TWO LAYERS OF 16mm DENSGLASS FIREGUARD SHEATHING
W2	INTERIOR PARTITION WALL (1HR. FIRE RATING) <ul style="list-style-type: none">26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)16mm TYPE 'X' DRYWALL38mm x 140mm WOOD STUDS @ 406mm o/c16mm TYPE 'X' DRYWALL26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)
W3	INTERIOR PARTITION WALL (1.5 HR. FIRE RATING) <ul style="list-style-type: none">26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)2 LAYERS OF 16mm TYPE 'X' DRYWALL13mm PLYWOOD SHEATHING38mm x 140mm WOOD STUDS @ 406mm o/cR20 FIBREGLASS BATT INSULATION13mm PLYWOOD SHEATHING2 LAYERS OF 16mm TYPE 'X' DRYWALL26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)
W4	INTERIOR PARTITION WALL (1HR. FIRE RATING) EXISTING WALL TO BE UPGRADED <ul style="list-style-type: none">26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)16mm TYPE 'X' DRYWALL38mm x 120mm WOOD STUDS @ 406mm o/c (EXISTING FRAMING)16mm TYPE 'X' DRYWALL26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)
W5	EXISTING INTERIOR PARTITION WALL (REINSTATE AS REQUIRED) <ul style="list-style-type: none">26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)16mm DRYWALL38mm x 89mm WOOD STUDS @ 406mm o/c16mm DRYWALL26 ga. PRE-FINISHED LINER PANEL (COLOR: POLAR WHITE)

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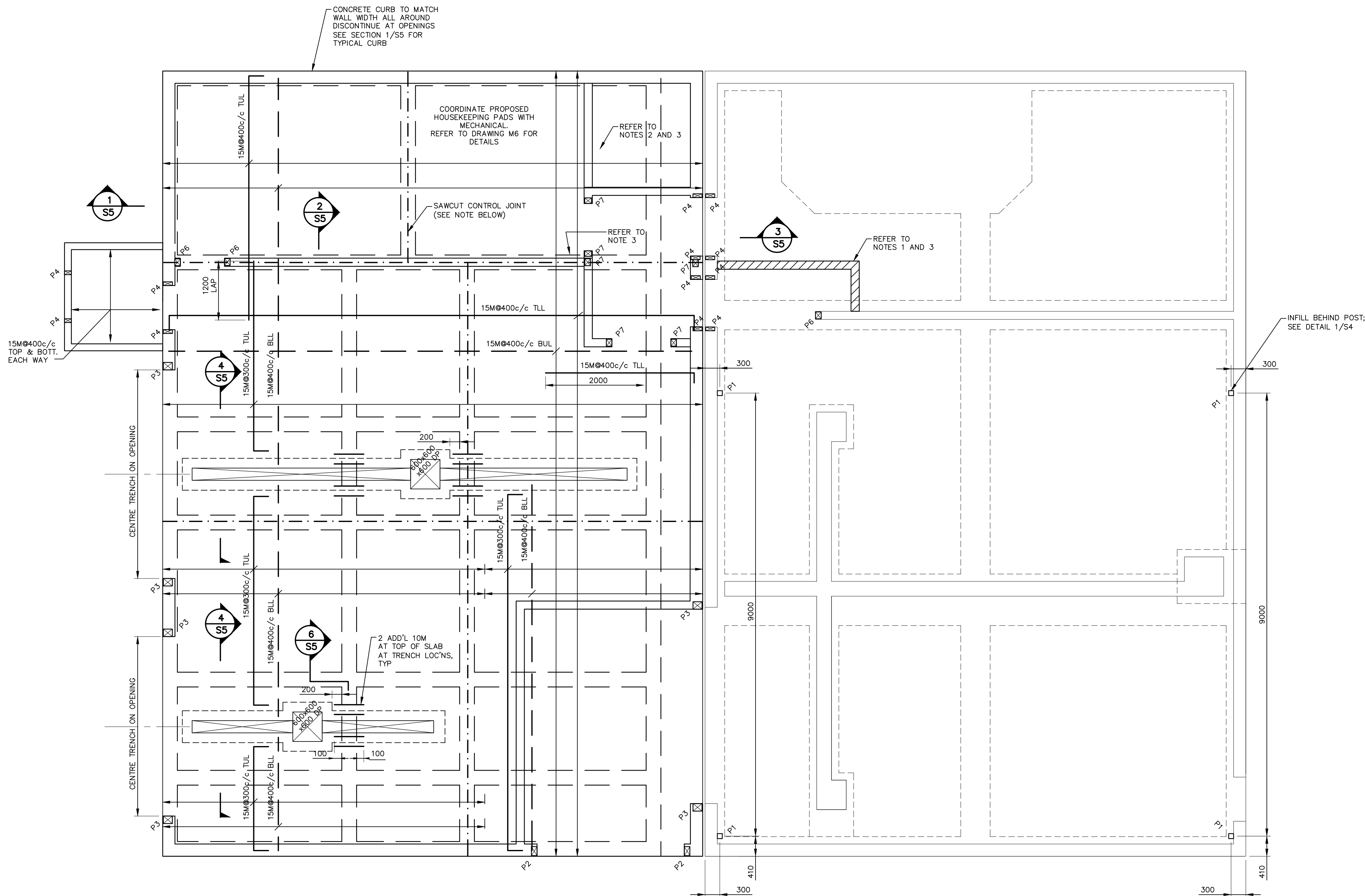
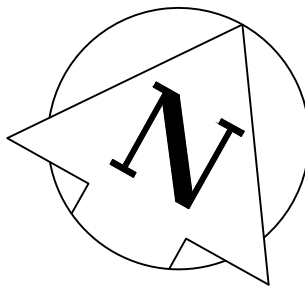
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Client
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SERVICES**
**RANKIN INLET
SEWAGE TREATMENT PLANT**

Drawing Title
**DOOR SCHEDULE, WALL
SCHEDULE AND BUILDING
DETAILS**

Drawn By C. GERUS	Checked By G. POPOWICH	Drawing No.
Scale AS NOTED	Project No. 300031281	B-7



NOTES:

1. NEW PARTITION
2. NEW 100 HIGH CONTAINMENT CURB
3. PROVIDE CONCRETE CURBING FOR ALL INTERIOR WALLS (SEE SECTION & DETAIL S-5)

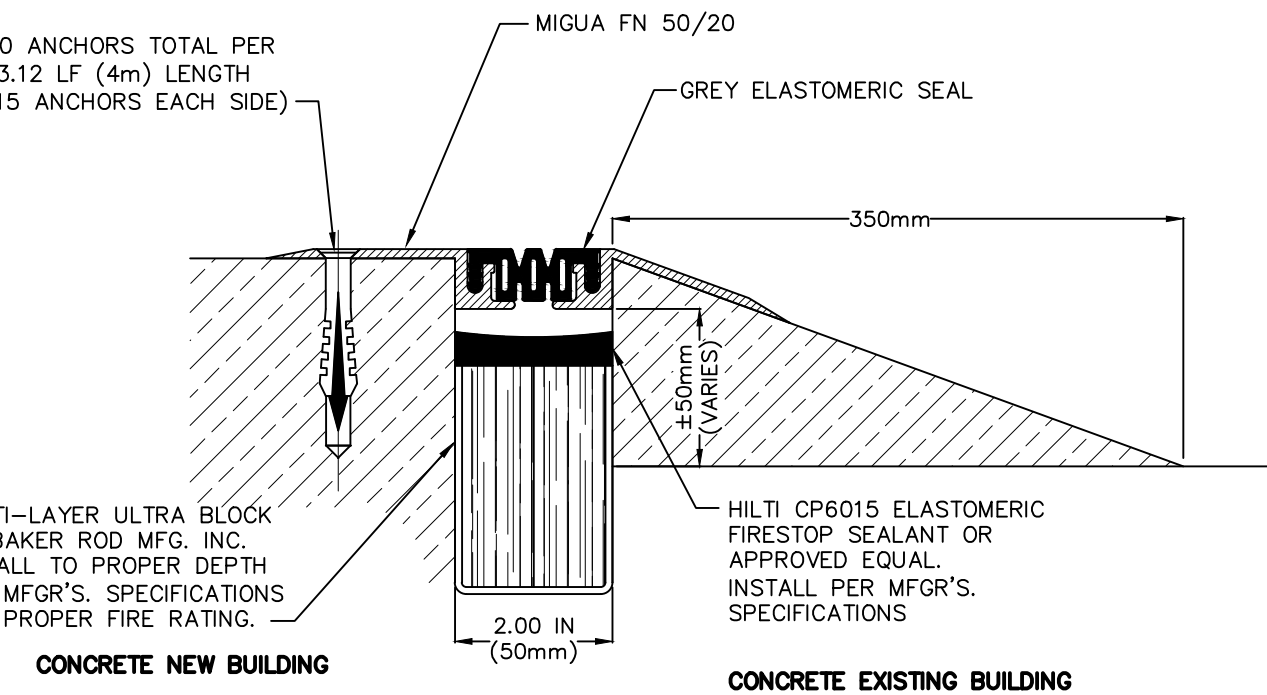
SLAB ON GRADE PLAN

SCALE 1:50

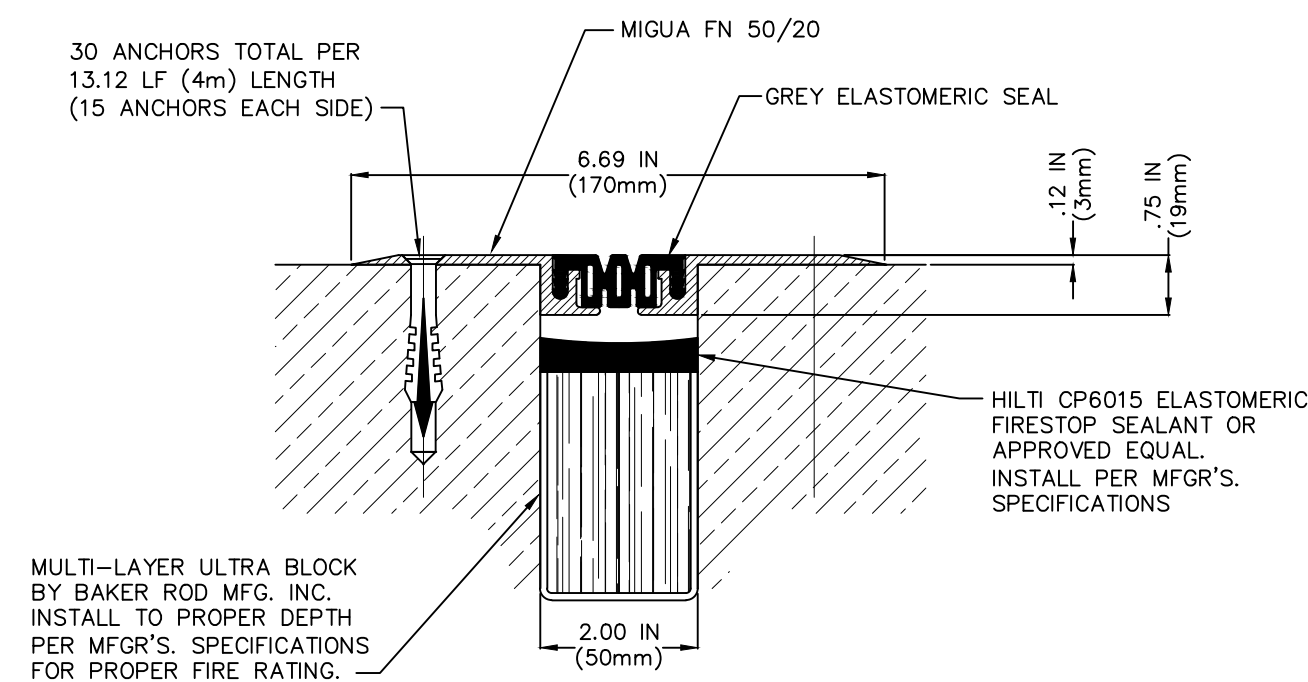
1. P1 - 102x102x6.4 HSS c/w 200mmx150mmx12mm BASE PLATE.
2. P2 - 3 PLY 38 x 184; 2 JACK STUDS, 1 KING STUD.
3. P3 - 4 PLY 38 x 184; 2 JACK STUDS, 1 KING STUD.
4. P4 - 2 PLY 38 x 184; 1 JACK STUD, 1 KING STUD.
5. P5 - 5 PLY 38 x 184; EXTEND OUTSIDE STUDS TO TOP PLATE.
6. P6 - 3 PLY 38 x 140; 2 JACK STUDS, 1 KING STUD.
7. P7 - 3 PLY 38 x 140; 2 JACK STUDS, 1 KING STUD.

NOTE:

1. PROVIDE CONCRETE CURB UNDER ALL INTERIOR AND EXTERIOR WALLS
2. LOCATIONS OF SLAB SAWCUTS AS CONTROL JOINTS TO BE CONFIRMED BY DESIGN ENGINEER ONCE CONSTRUCTION SEQUENCE RECEIVED FROM CONTRACTOR



DETAIL - EPOXY CONCRETE FLOOR TRANSITION
PROCESS ROOM WALL OPENING
NOT TO SCALE



SECTION AT FLOOR GAP OPENING
DETAIL - BUILDING GAP FILLER (DOORS)
NOT TO SCALE



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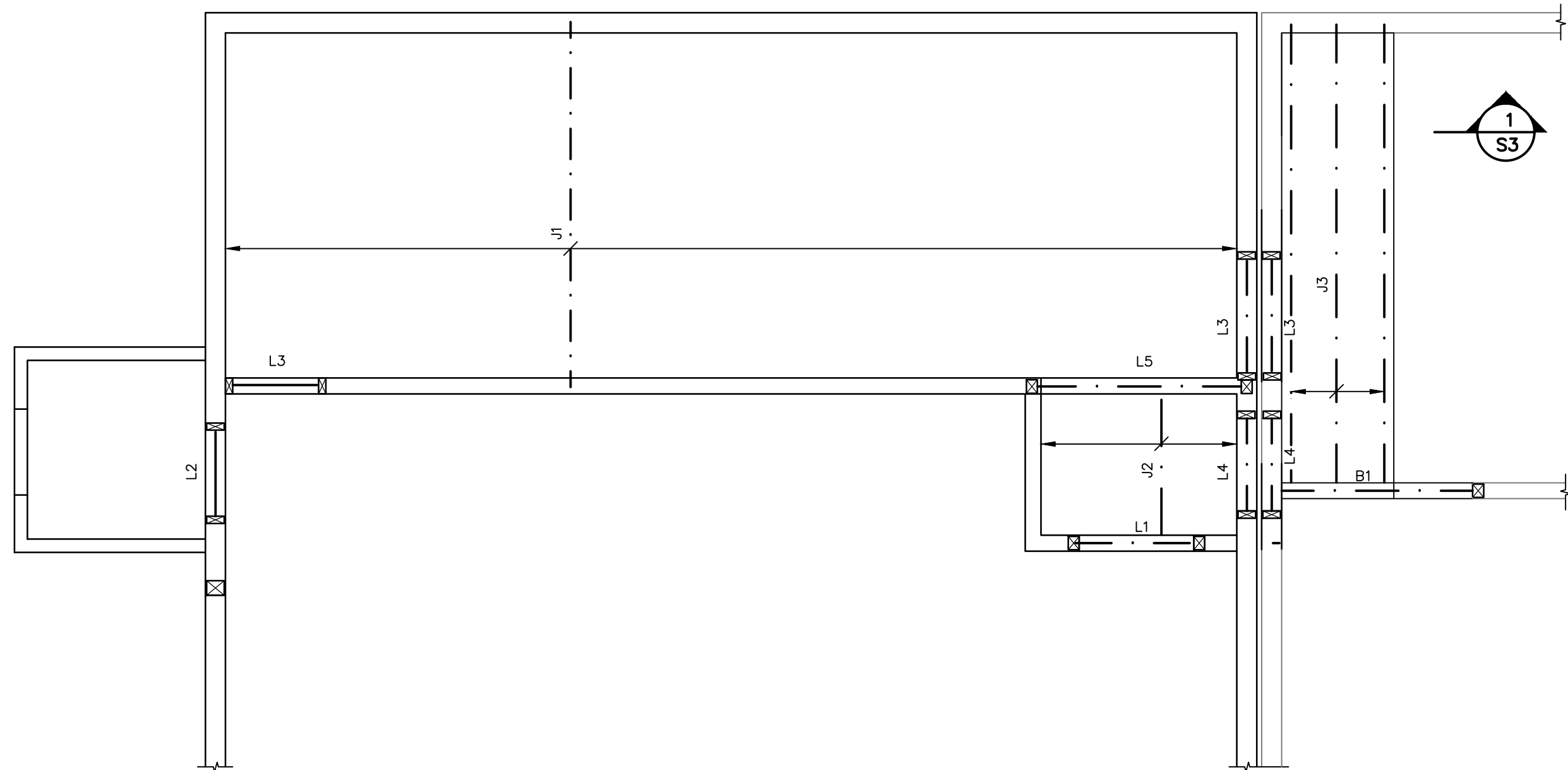
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Drawing Title
SLAB ON GRADE PLAN

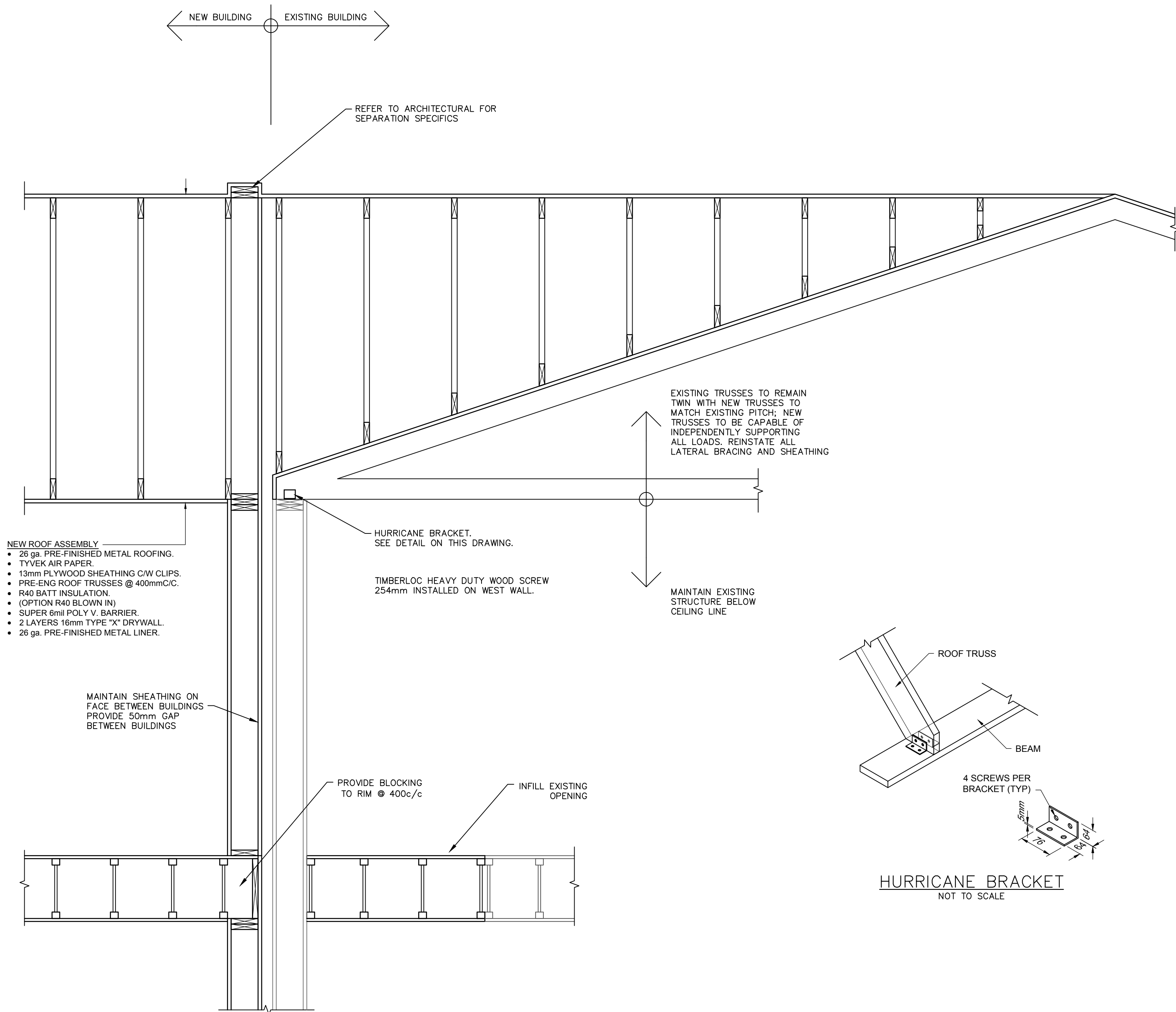
Drawn By W. WHITEDUCK	Checked By C. JONES	Drawing No. S2
Scale 1:50	Project No. 300031281	



SECOND FLOOR FRAMING PLAN

SCALE 1:50

- J1 - 406mm TJI 560 @ 400 c/c.
- J2 - 406mm TJI 560 @ 400 c/c.
- J3 - 406mm TJI 560 @ 400 c/c TO MATCH EXISTING.
- L1 - 3 PLY 38 x 286.
- L2 - 3 PLY 38 x 184.
- L3 - 3 PLY 38 x 286.
- L4 - 3 PLY 38 x 184.
- L5 - 2 PLY 1-3/4" x 11 1/2" MICROLAM LVL.
- B1 - 2 PLY 1-3/4" x 16" MICROLAM LVL.



- NEW ROOF ASSEMBLY
- 26 ga. PRE-FINISHED METAL ROOFING.
 - TYVEK AIR PAPER.
 - 13mm PLYWOOD SHEATHING C/W CLIPS.
 - PRE-ENG ROOF TRUSSES @ 400mm C/C.
 - R40 BATT INSULATION.
 - (OPTION R40 BLOWN IN)
 - SUPER 6mil POLY V. BARRIER.
 - 2 LAYERS 16mm TYPE "X" DRYWALL.
 - 26 ga. PRE-FINISHED METAL LINER.

MAINTAIN SHEATHING ON
FACE BETWEEN BUILDINGS
PROVIDE 50mm GAP
BETWEEN BUILDINGS

PROVIDE BLOCKING
TO RIM @ 400c/c

INFILL EXISTING
OPENING

1
S3

SCALE 1:20

ADDITION OF NEW TRUSS COMPONENTS TO EXISTING BUILDING TRUSS SYSTEM NOTES:

THE CURRENT BUILDING HAS FIXTURES, PIPING AND OTHER MISCELLANEOUS ITEMS CURRENTLY INSTALLED ON THE CEILING STRUCTURE. WITH THE ALTERNATION TO THE ROOF LINE, THE EXISTING SYSTEM IS INSUFFICIENT FOR CURRENT DESIGN LOADS REQUIRED BY THE NATIONAL BUILDING CODE. THE FOLLOWING IS A SUGGESTED INSTALLATION PROCEDURE FOR ADDING NEW TRUSSES CAPABLE OF SUPPORTING ALL ROOF LOADS, AND MAINTAINING THE EXISTING CEILING STRUCTURE AND HANGING FIXTURES DURING CONSTRUCTION. CONTRACTOR TO SUBMIT PREFERRED CONSTRUCTION METHODOLOGY TO DESIGN ENGINEER FOR REVIEW AND APPROVAL PRIOR TO UNDERTAKING WORK.

- REMOVE ROOF SHEATHING AND FINISH OVER THE FIRST 2.4 M OF ROOF FROM THE NORTH EDGE, FULL WIDTH OF ROOF.
- REMOVE INSULATION IN UNCOVERED AREA.
- REMOVE ANY LATERAL BRACING FROM TRUSS COMPONENTS; PROVIDE TEMPORARY LATERAL BRACING TO TRUSSES AS NECESSARY TO PREVENT FALLING OUT OF PLANE.
- PLACE A NEW TRUSS, DESIGNED TO SUPPORT ALL ROOF AND CEILING LOADS BASED ON 400 MM C/C SPACING BESIDE EACH EXISTING TRUSS. NEW TRUSSES MUST MATCH EXISTING TRUSS GEOMETRY (OUTSIDE DIMENSIONS AND SLOPES).
- CONNECT TRUSSES TOGETHER WITH 2 - 90 MM LONG NAILS @ 300 MM C/C ALONG TRUSS BOTTOM CHORD ONLY; ON TOP CHORD, INSTALL 3 - 3 MM THICK BENT PLATES OVER TOP CHORDS. NAIL TO NEW TRUSS ONLY. BENT PLAT TO MEASURE 100 x 80 x 100 x 150 LONG.
- REPLACE BRACING ON EXISTING TRUSSES.
- PLACE NECESSARY BRACING ON NEW TRUSSES AS PER PRE-ENGINEERED TRUSS DESIGN.
- PLACE NEW ROOF SHEATHING IN ALTERNATING 1,200 AND 2,400 MM LENGTHS ON ROOF TO ENSURE STAGGERED PANEL JOINTS.
- MOVE TO THE SOUTH AND REMOVE ANOTHER 2,400 MM WIDE STRIP OF SHEATHING AND REPEAT FROM STEP 1.
- AT COMPLETION OF PLACEMENT OF TRUSSES AND RE-SHEATHING, INSTALL INSULATION AS REQUIRED.

1:50 0 1 3m

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- Do not scale the drawings.

Issue / Revision	Date
1 ISSUED FOR 66% SUBMISSION	NOVEMBER 2012
2 ISSUED FOR 99 SUBMISSION	JANUARY 2013
3 ISSUED FOR TENDER	FEBRUARY 2013
4 REVISED AS PER ADDENDUM 1 TO 4 AND ISSUED FOR CONSTRUCTION	APRIL 2013
5 AS-BUILT	AUGUST 2015

AS-BUILT DRAWING

AS-BUILT INFORMATION PROVIDED BY THE
GENERAL CONTRACTOR:
KUDLIK CONSTRUCTION LTD.
IQALUIT, NUNAVUT

ORIGINAL
STAMPED
BY

C. W. JONES
04/22/13

нᑭᑭᑭ BURNSIDE

Nuna Burnside Engineering & Environmental LTD.
106B Scurfield Blvd., Winnipeg, Manitoba
telephone (204) 949-7110 fax (204) 949-7111
web www.neeganburnside.com

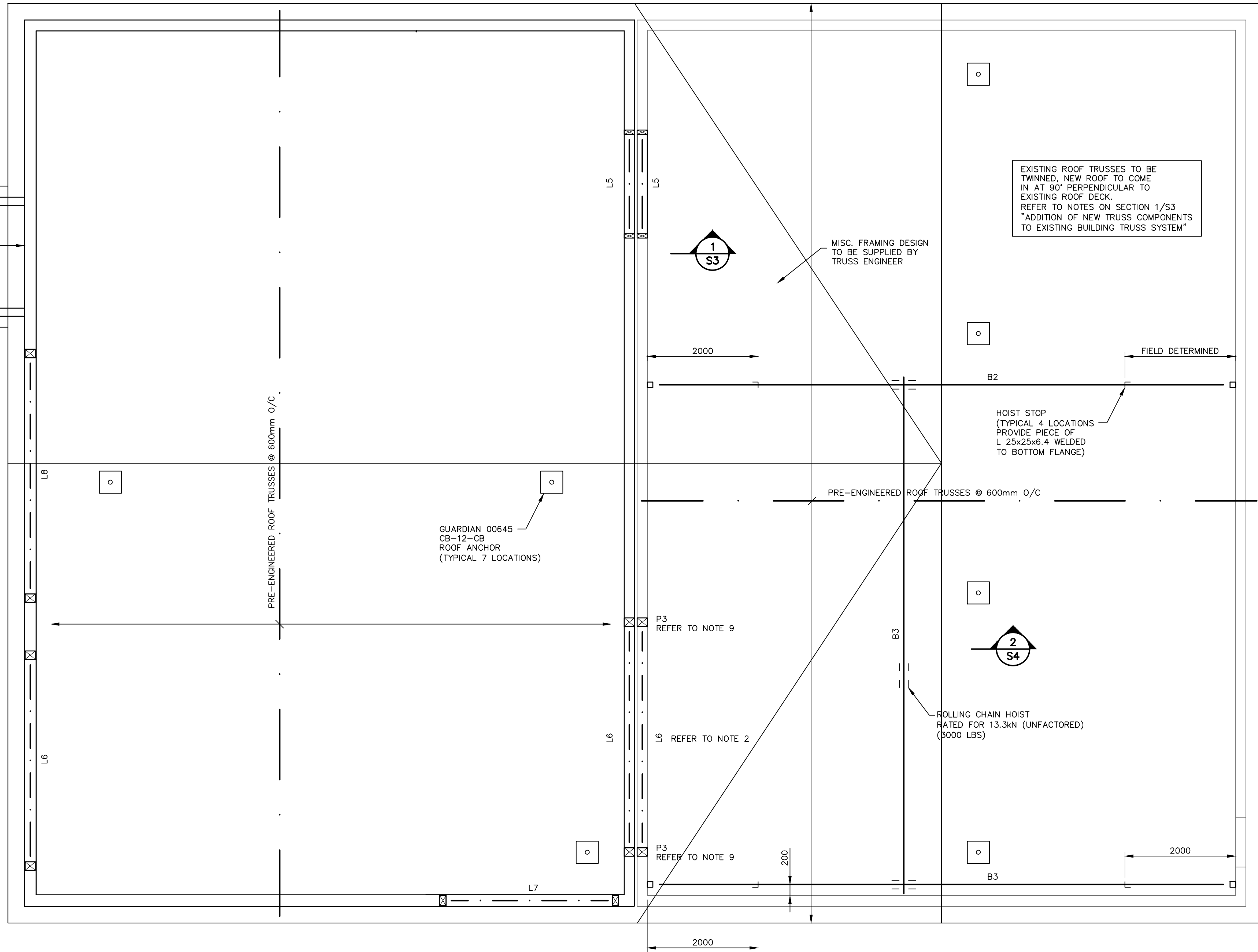
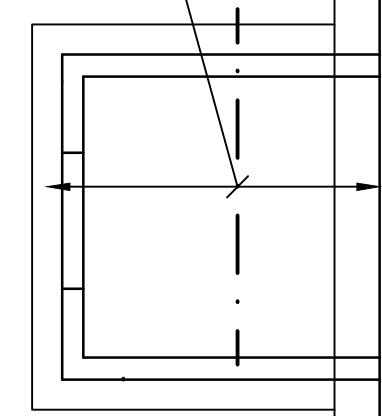
Client
GOVERNMENT OF NUNAVUT
COMMUNITY & GOVERNMENT
SERVICES

RANKIN INLET
SEWAGE TREATMENT PLANT

Drawing Title
SECOND FLOOR FRAMING PLAN

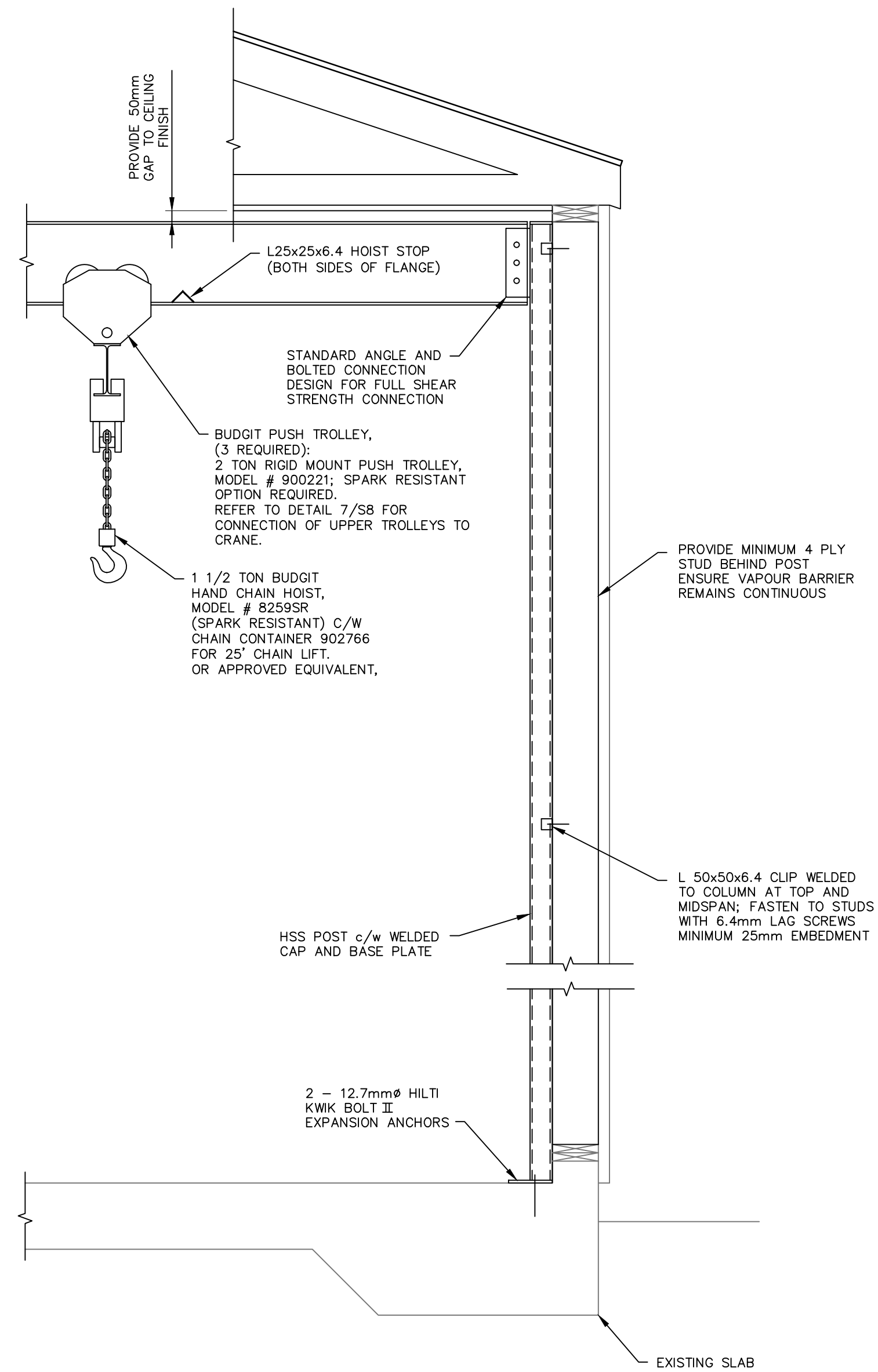
Drawn By W. WHITEDUCK	Checked By C. JONES	Drawing No.
Scale AS NOTED	Project No. 300031281	S3

PRE-ENGINEERED
ROOF TRUSSES
@ 400mm O/C;
PROVIDE SIMPSON
TYPE H2.5A TIE
DOWN CLIPS
EACH END

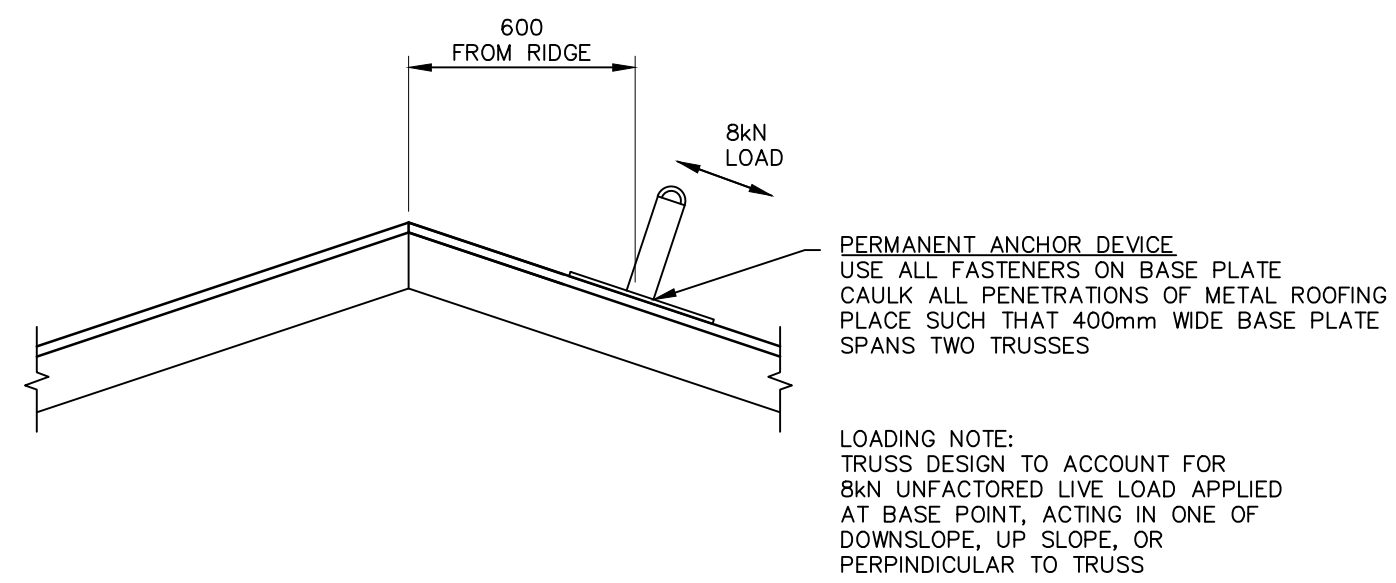


ROOF FRAMING PLAN
SCALE 1:50

- L5 - 3 PLY 1 3/4" x 9 3/4" 1.9E MICROLAM LVL.
- L6 - 3 PLY 1 3/4" x 14" 1.9E MICROLAM LVL. INSTALL TO SUIT FINAL ELEVATION OF HVAC UNIT HUNG FROM CEILING.
- L7 - 3 PLY 1 3/4" x 14" 1.9E MICROLAM LVL.
- L8 - 3 PLY 1 3/4" x 14" 1.9E MICROLAM LVL.
- B2 - FIXED S380x74 RAIL BEAM.
- B3 - MOVEABLE S250x52 RAIL c/w 1.5 TON RATED HOIST.
- P1 - 102x102x6.4 HSS c/w 200mmx150mmx12mm BASE PLATE.
- P2 - 3 PLY 38 x 184; 2 JACK STUDS, 1 KING STUD.
- P3 - 4 PLY 38 x 184; 2 JACK STUDS, 1 KING STUD. INSTALL TO SUIT FINAL ELEVATION OF HVAC UNIT HUNG FROM CEILING.



1
S4
SCALE 1:20



2
S4
SCALE 1:20

0 1 3m
1:50

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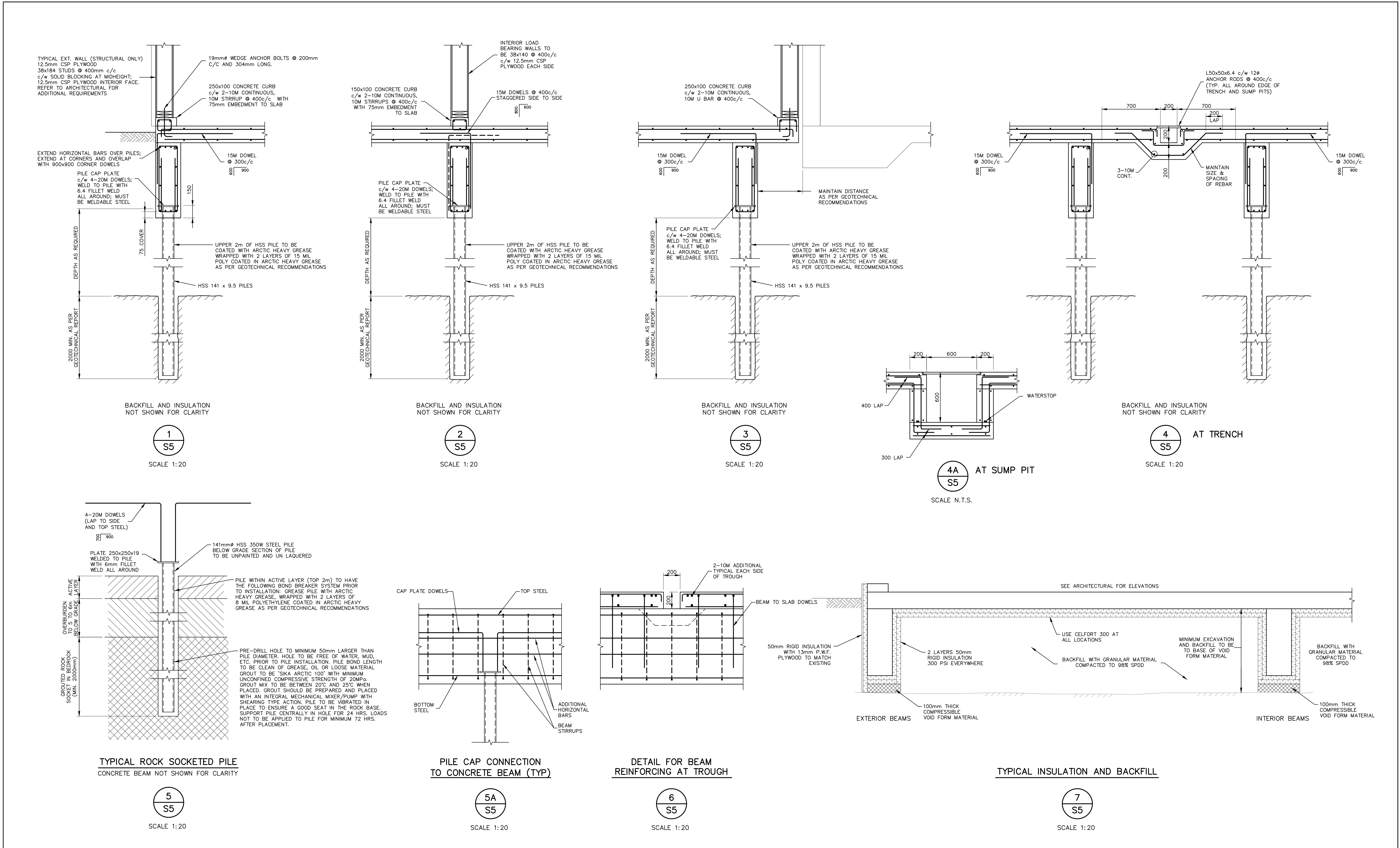
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Client
GOVERNMENT OF NUNAVUT
COMMUNITY & GOVERNMENT
SERVICES
RANKIN INLET
SEWAGE TREATMENT PLANT

Drawing Title
ROOF FRAMING PLAN

Drawn By W. WHITEDUCK	Checked By C. JONES	Drawing No.
Scale 1:50	Project No. 300031281	S4



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	1	ISSUED FOR 66% SUBMISSION	NOVEMBER 2012							
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