

GENERAL STRUCTURAL NOTES

1. THE CNR BARRY'S BAY WATER TOWER IS A DESIGNATED HERITAGE STRUCTURE. IT HAS BEEN DECOMMISSIONED FOR USE AS A WATER TOWER. THE TANK HAS BEEN EMPTIED AND WILL REMAIN THAT WAY. THE TOWER IS BEING CONSERVED FOR HISTORICAL VALUE.
2. THE PURPOSE OF THIS CONTRACT IS TO REPAIR SPECIFIC DETERIORATED AREAS OF THE TIMBER COLUMNS AND BRACING THAT SUPPORT THE ELEVATED WATER TANK.
3. ALL ALTERATION INCLUDING CUTTING, DRILLING, AND REMOVAL OF TIMBER IS RESTRICTED TO ONLY THOSE AREAS SHOWN ON DRAWINGS AND APPROVED BY THE ENGINEER.
4. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2024 ONTARIO BUILDING CODE (OBC) SUPPLEMENTED BY THE 2010 NATIONAL BUILDING CODE OF CANADA STRUCTURAL COMMENTARY.
5. THIS IS A METRIC PROJECT. UNLESS OTHERWISE NOTED, ALL LENGTHS ARE IN MILLIMETERS.
6. REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS. REPORT DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
7. COORDINATE ALL OPENINGS, SLEEVES, AND EMBEDDED ITEMS IN THE STRUCTURE WITH ALL OTHER CONTRACT DOCUMENTS. REPORT ANY ITEMS THAT ARE IN CONFLICT BEFORE PROCEEDING WITH THE WORK.
8. VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
9. THE REVISION COLUMN INDICATES THE INTENDED USE OF THESE DRAWINGS. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED 'ISSUED FOR CONSTRUCTION'.
10. DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECTS.
11. DO NOT SCALE THESE DRAWINGS.
12. TYPICAL DETAILS SHOW STRUCTURAL INTENT RATHER THAN ACTUAL PROJECT CONDITIONS. (NOTE THAT TYPICAL DETAILS ARE NOT ALWAYS REFERENCED ON PLAN.)
13. SECTIONS, DETAILS, AND STATEMENTS NOTED AS 'TYP. OR TYPICAL' SHALL CONVEY THAT CONDITIONS ARE LIKE OR SIMILAR IN THE STRUCTURE.
14. STRUCTURAL DESIGN ASSUMES NON-LOAD RESTRICTED ULC FIRE RATED ASSEMBLIES, AND APPROPRIATE MATERIALS MUST BE USED.
15. THESE DRAWINGS SHOW THE COMPLETED STRUCTURE ONLY. TEMPORARY WORKS FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT ARE NOT SHOWN. CONSTRUCTION LOADS ON THE PERMANENT STRUCTURE SHALL NOT EXCEED DESIGN LOADS INDICATED ON DRAWINGS.
16. EMBEDDED ITEMS, INCLUDING ANCHOR BOLTS, HAVE BEEN DESIGNED FOR LOADS OF THE COMPLETED STRUCTURE ONLY. THE USE OF THESE ELEMENTS FOR TEMPORARY SUPPORT DURING CONSTRUCTION MUST BE APPROVED BY THE CONTRACTOR'S ENGINEER.
17. PROVIDE REASONABLE NOTICE (NOT LESS THAN 2 BUSINESS DAYS) PRIOR TO CONCEALING ANY WORK THAT REQUIRES INSPECTION, REVIEW, OR TESTING. SCHEDULE THIS WORK TO OCCUR DURING NORMAL BUSINESS HOURS.
18. PERIODIC FIELD REVIEW OF A REPRESENTATIVE SAMPLE OF THE STRUCTURAL WORK DESIGNED BY JP2G WILL BE UNDERTAKEN TO ASCERTAIN GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THESE REVIEWS DO NOT REPLACE THE CONTRACTOR'S RESPONSIBILITY FOR QUALITY CONTROL AND QUALITY ASSURANCE.
19. ALL STRUCTURAL WORK DESIGNED BY PROFESSIONAL ENGINEERS RETAINED BY THE CONTRACTOR SHALL BE REVIEWED BY THE ENGINEERS RESPONSIBLE FOR THE DESIGN OR THEIR REPRESENTATIVE. SUBMIT CONSTRUCTION REVIEW REPORTS TO JP2G FOR REVIEW.

TEMPORARY WORKS

1. DESIGNING TEMPORARY WORKS SUCH AS SHORING, EXCAVATION SHORING, FALSE WORK, ELEVATED OR ACCESS PLATFORMS, VERIFICATION OF THE ABILITY OF STRUCTURES TO SUPPORT CONSTRUCTION EQUIPMENT SUPPORT AND SHORING OF STRUCTURES BELOW SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THEIR ENGINEER. DETAILS AND METHODOLOGY FOR ALL OF THESE WORKS SHALL BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER AND SUBMITTED FOR OUR RECORDS.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW DRAWINGS, CONTRACT DOCUMENTS, AND SITE CONDITIONS TO DETERMINE TEMPORARY WORKS REQUIREMENTS PRIOR TO START OF WORK.
3. CONTRACTOR TO ASSUME ALL COSTS ASSOCIATED WITH TEMPORARY SHORING: DESIGN, PERMITTING / APPROVALS, AND EXECUTION
4. ALL TEMPORARY WORKS SHALL BE DESIGNED AND REVIEWED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN ONTARIO
5. THESE DRAWINGS SHOW THE COMPLETED STRUCTURE ONLY. TEMPORARY WORKS AND AREAS OF ADJACENT STRUCTURE WHICH MAY REQUIRE WORK, FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT MAY NOT BE INDICATED ON DRAWINGS.
6. CONSTRUCTION LOADS ON THE PERMANENT STRUCTURE SHALL NOT EXCEED DESIGN LOADS ON DRAWINGS.
7. TEMPORARY WORKS MUST KEEP ALL PARTS OF THE STRUCTURE DESIGNATED TO REMAIN STRUCTURALLY STABLE (PLUMB, LEVEL, ALIGNED WHERE APPLICABLE) DURING CONSTRUCTION

SHOP DRAWINGS

1. SUBMIT FOR REVIEW ALL SHOP DRAWINGS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS. THESE SHALL INCLUDE STEEL FABRICATIONS & CONNECTIONS.
2. REVIEW OF SHOP DRAWINGS IS ON A SAMPLING BASIS, FOR GENERAL CONFORMITY WITH STRUCTURAL CONTRACT DOCUMENTS. IT IS NOT A DETAILED CHECK AND MUST NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF RESPONSIBILITY FOR MAKING THE WORK ACCURATE AND IN CONFORMITY WITH THE CONTRACT DOCUMENTS.
3. REVIEW OF SHOP DRAWINGS DOES NOT IMPLY ANY CHANGE IN ANY OTHER CONSULTANTS' OR PROFESSIONALS' RESPONSIBILITIES RELATED TO DESIGN OF SPECIFIC ITEMS AS OUTLINED BY THE SPECIFICATIONS.
4. REVIEW OF A SPECIFIC COMPONENT ON NON-STRUCTURAL SHOP DRAWINGS (COMPONENTS ENGINEERED BY OTHERS) DOES NOT INCLUDE REVIEW OF THE ASSEMBLY OF WHICH THE ITEM MAY BE A COMPONENT.
5. IF REQUIRED, CAD FILES OF THE FULL SET OF STRUCTURAL DRAWINGS ARE AVAILABLE 'AS-IS' FOR USE IN THE PREPARATION OF SHOP DRAWINGS, PROVIDED THAT THE OWNER AND THE OWNER'S CONSULTANTS ARE NOT HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS ON THE DRAWINGS. THESE CAD DRAWINGS ARE NOT TO BE SCALED. TO RECEIVE THE CAD FILES, THE CONTRACTOR MUST BE WILLING TO SIGN A DRAWING RELEASE WAIVER.
6. ALLOW A MINIMUM OF 10 WORKING DAYS FOR REVIEW OF EACH SUBMISSION OF SHOP DRAWINGS. ALLOW MORE TIME WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED. SUBMIT IN GENERAL CONFORMITY WITH THE SEQUENCE OF CONSTRUCTION INTENDED.
7. MAKE CORRECTIONS REQUIRED BY PREVIOUS REVIEW BEFORE RESUBMITTING DRAWINGS. CLEARLY INDICATE ALL CHANGES AND ADDITIONS TO PREVIOUS SUBMISSION. DO NOT ADD NEW DETAILS TO DRAWINGS WHICH HAVE BEEN STAMPED AS REVIEWED OR NOTED.
8. AFTER REVIEW, THE DRAWINGS WILL BE STAMPED AND RETURNED TO SHOW ONE OF THE FOLLOWING:
 - NOT REVIEWED** SHOWS WORK WHICH IS NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES.
 - REVIEWED** CONTRACTOR APPEARS TO HAVE INTERPRETED THE CONTRACT DOCUMENTS CORRECTLY AND THE CONSULTANT HAS NO SPECIFIC COMMENT OR NOTES.
 - NOTED** THE CONTRACTOR SHALL ADDRESS THE NOTES FROM THE CONSULTANT PRIOR TO CONSTRUCTION. SUBMIT FINAL RECORD PRINT.
 - REVISE & RESUBMIT** ADDRESS COMMENTS AND RESUBMIT FOR REVIEW PRIOR TO FABRICATION.
9. SUBMIT ENGINEER SEALED SHOP DRAWINGS WHEN REQUIRED BY SPECIFICATIONS. SHOP DRAWINGS NOT STAMPED, SIGNED, AND DATED WILL BE MARKED 'RESUBMIT' AND RETURNED WITHOUT BEING REVIEWED.
10. DO NOT COMMENCE FABRICATION UNTIL RETURNED SHOP DRAWINGS HAVE BEEN EXAMINED.
11. PROVIDE FINAL RECORD DRAWINGS AFTER ALL CORRECTIONS ARE MADE.

DESIGN LOADS

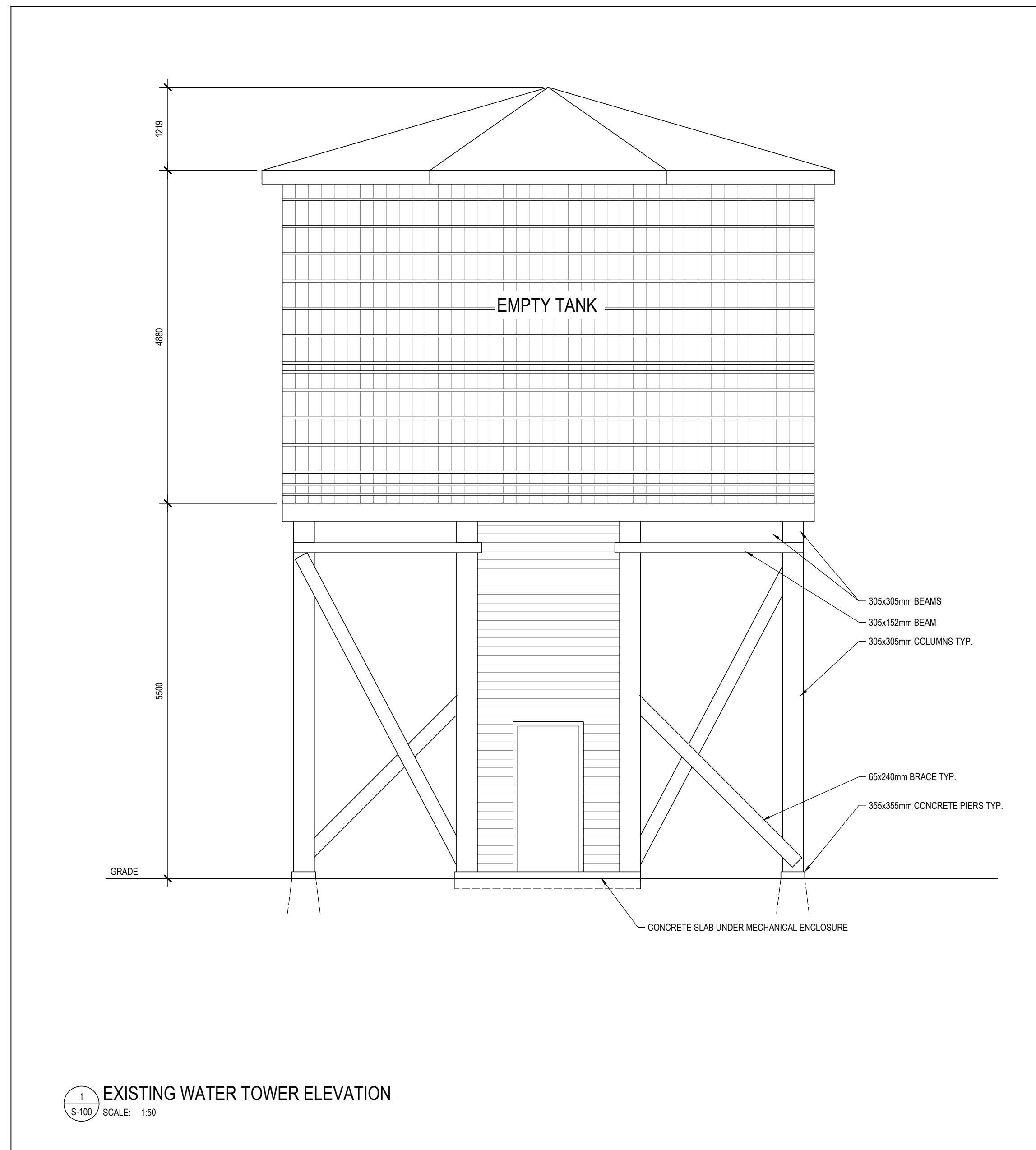
1. THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2020 NATIONAL BUILDING CODE OF CANADA (NBC04) FOR THE SPECIFIC LOCATION OF PEMBROKE AND BANCROFT, ONTARIO.
2. SELF WEIGHT (SWT) IS DUE TO THE WEIGHT OF THE STRUCTURE ITSELF.
3. SUPERIMPOSED DEAD LOADS (SDL) ARE NON-STRUCTURAL DEAD LOADS DUE TO NON-STRUCTURAL TOPPING, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, ETC.
4. DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
5. TANK LIVE LOAD (CONTAINED FLUID) = NIL/EMPTY
6. GRAVITY LOADS ARE SHOWN ON PLANS. LIVE LOAD REDUCTION HAS NOT BEEN USED.
7. UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ARE FACTORED LOADS.
8. DEAD LOAD AND SNOW LOAD PER 12x12" COLUMN = 33kN
WIND LOAD DIAGONAL BRACE TENSION OR COMPRESSION = 18kN

DEMOLITION/DECONSTRUCTION OF STRUCTURES

1. ALL DEMOLITION AND REMOVALS TO BE AUTHORIZED BY ENGINEER.
2. DEMOLITION/DECONSTRUCTION OF STRUCTURAL ELEMENTS TO BE UNDERTAKEN BY A QUALIFIED CONTRACTOR IN ACCORDANCE WITH ALL PREVAILING LEGISLATION, CODES AND STANDARDS.
3. IF MATERIALS RESEMBLING HAZARDOUS SUBSTANCES ARE ENCOUNTERED, STOP WORK, TAKE PREVENTATIVE MEASURES AND NOTIFY THE CONSULTANT. DO NOT PROCEED UNTIL WRITTEN INSTRUCTIONS HAVE BEEN RECEIVED.
4. PROVIDE TEMPORARY WORKS REQUIRED IN ORDER TO MAINTAIN THE STABILITY OF THE BUILDING ELEMENTS AND STRUCTURES DESIGNATED TO REMAIN.
5. PREVENT DEBRIS AND MATTER FROM BLOKING MEANS OF EGRESS.
6. STOCKPILING OF THE MATERIAL ON SITE IS NOT PERMITTED.
7. DISPOSE OF MATERIAL IN ACCORDANCE WITH PREVAILING CODES AT LICENSED FACILITIES.
8. DEMOLITION MAY UTILIZE ANY LEGAL MEANS OR METHODS PERMITTED INCLUDING HYDRAULIC OR MECHANICAL TECHNIQUES, HOWEVER IMPLSION USING EXPLOSIVES IS NOT PERMITTED.
9. UPON COMPLETION OF THE PROJECT LEAVE THE WORK SITE CLEAN AND FREE OF DEBRIS.
10. MAKE GOOD ALL EXISTING WORK DISTURBED BY DEMOLITION OR DECONSTRUCTION PROCEDURES.

STEEL CONNECTIONS

1. UNLESS OTHERWISE NOTED ON DRAWINGS, ALL SHOP CONNECTIONS SHALL BE WELDED.
2. UNLESS OTHERWISE NOTED ON DRAWINGS, ALL FIELD CONNECTIONS SHALL BE BOLTED.
3. ALL HIGH STRENGTH BOLTED CONNECTIONS SHALL BE BEARING TYPE WITH THREADS ASSUMED INCLUDED IN SHEAR PLANE UNLESS THE MINIMUM THICKNESS OF PLY CLOSEST TO NUT IS 13MM OR 10MM WITH A 4MM THICK WASHER NEXT TO NUT.
4. DESIGN OF SIMPLE SHEAR CONNECTIONS SHALL BE BASED ON 'U.D.L.' SHEAR CAPACITY AND 1.33 x 'U.D.L.' SHEAR CAPACITY FOR COMPOSITE BEAMS.
5. DETAILS ON THESE DRAWINGS ARE SHOWN FOR ILLUSTRATION OF THE CONNECTION PRINCIPLES ONLY. CONNECTIONS ARE TO BE DESIGNED AND DETAILED DURING SHOP DRAWING PRODUCTION.



1 EXISTING WATER TOWER ELEVATION
SCALE: 1:50

CLIENT LOGO

KEYPLAN (N)

DISCLAIMER NOTES

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ISSUES/PROBLEMS WHICH MAY OCCUR AS A RESULT OF A FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY.
2. WHERE THERE ARE ALLEGED ERRORS, OMISSIONS, INCONSISTENCIES OR AMBIGUITIES PRESENT IN THE CONTRACT DOCUMENTS, THE CONTRACTOR MUST SEEK CLARIFICATION FROM JP2G. ANY COSTS OR SCHEDULE DELAYS WHICH RESULT AS A FAILURE TO CONTACT JP2G FOR CLARIFICATION SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
3. DO NOT SCALE DRAWINGS. REFER ANY DIMENSIONAL CLARIFICATIONS AND/OR POSSIBLE TRADE INTERFERENCE/CONFLICTS TO JP2G FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH SUBTRADES AND SHALL ADDRESS CONSTRUCTION TEAM COORDINATION ITEMS PRIOR TO ISSUING REQUESTS FOR INFORMATION FROM JP2G.
5. THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	YYYY-MM-DD	BY	DESCRIPTION
2	08/20/2025	D.H.C.S	ISSUED FOR PERMIT
1	-	D.H.C.S	ISSUED FOR REVIEW

STAMP

PROJECT

MADAWASKA VALLEY - WATER TOWER REPAIR DESIGN

BARRY'S BAY, ON

DRAWING

GENERAL NOTES

Jp2g Consultants Inc.
ENGINEERS • PLANNERS • PROJECT MANAGERS

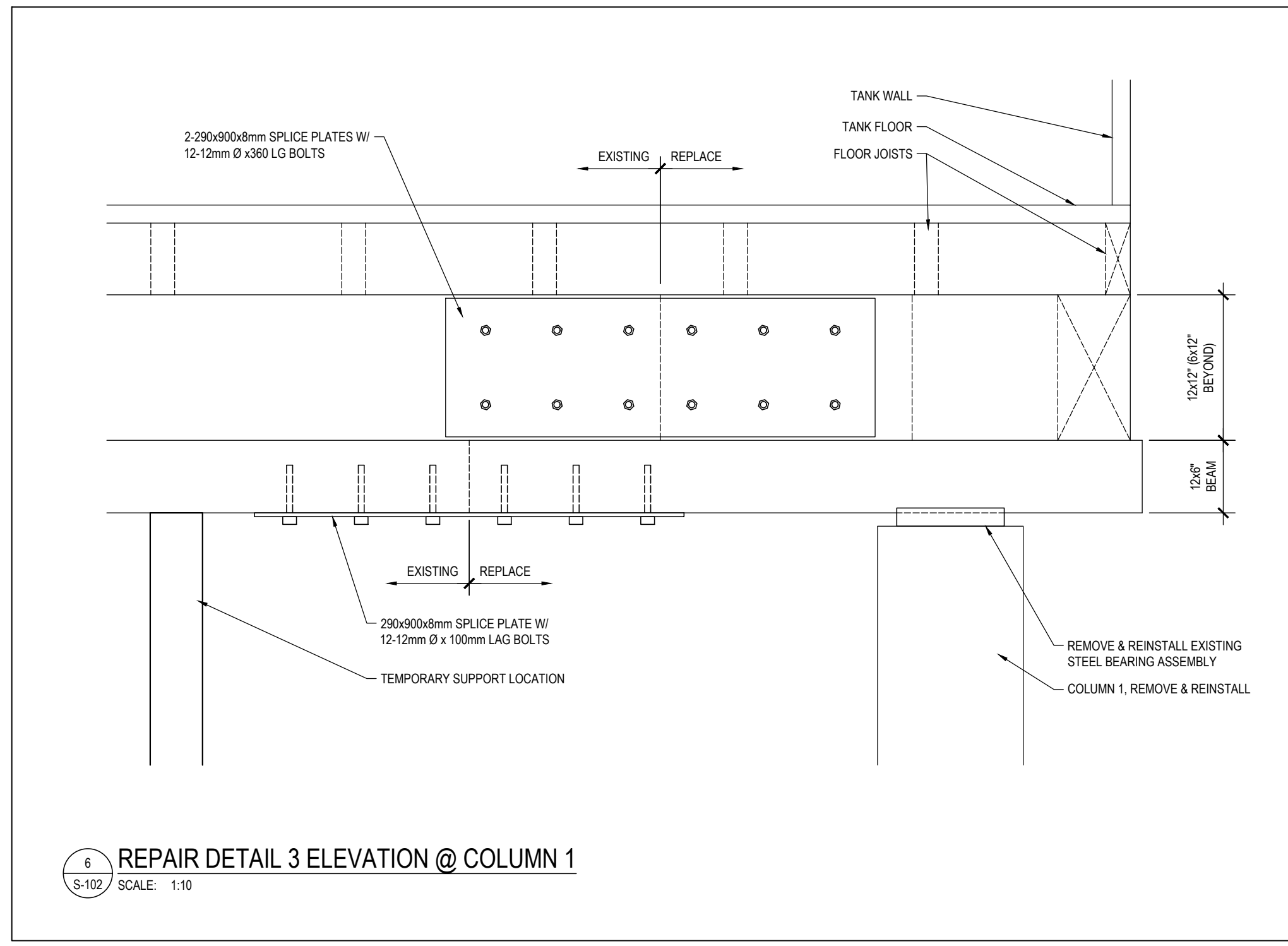
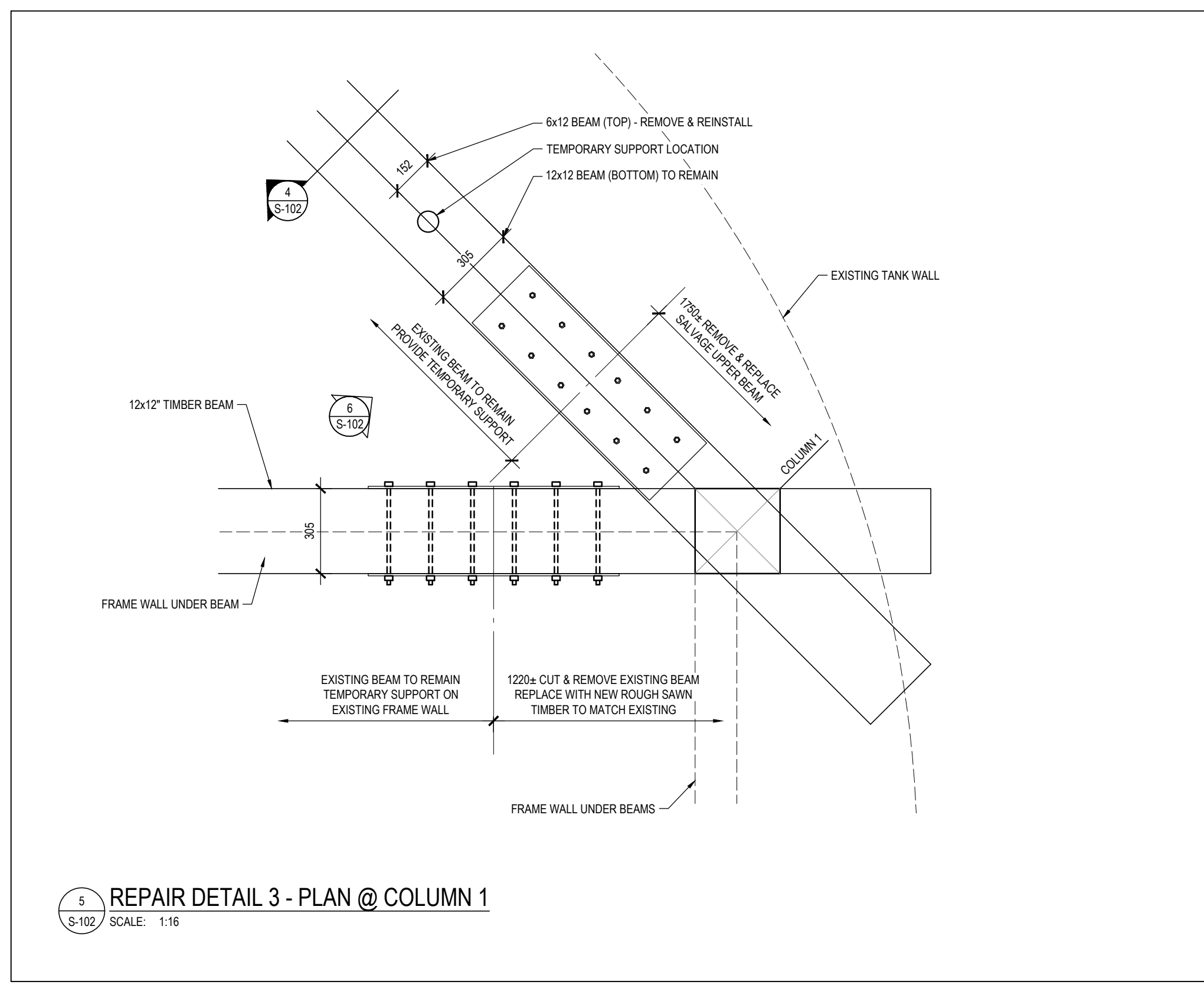
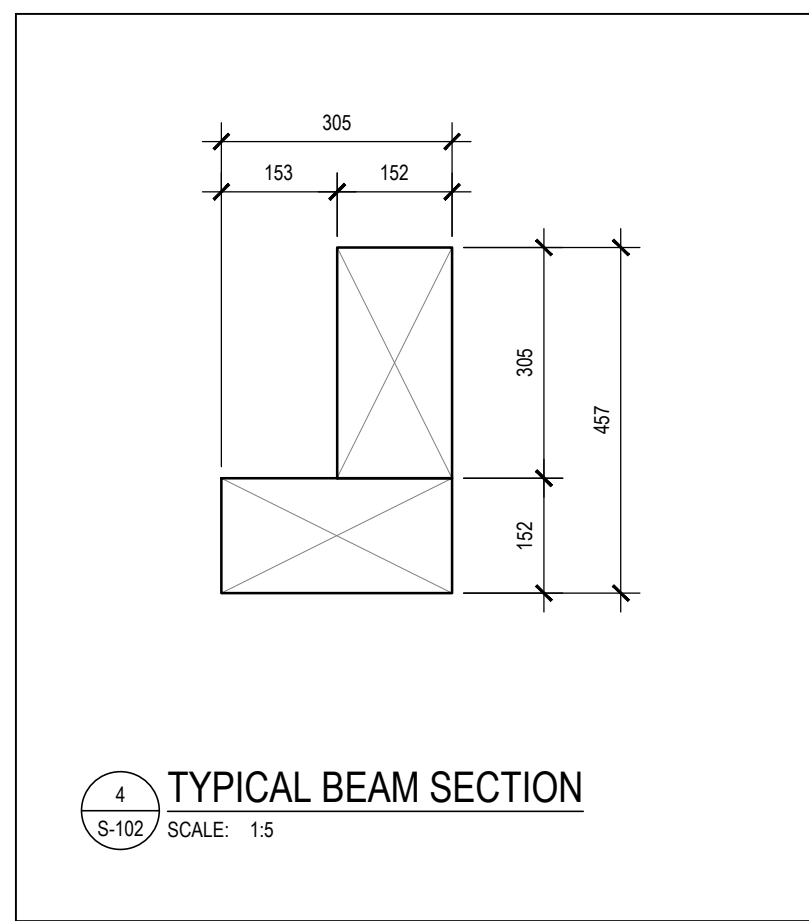
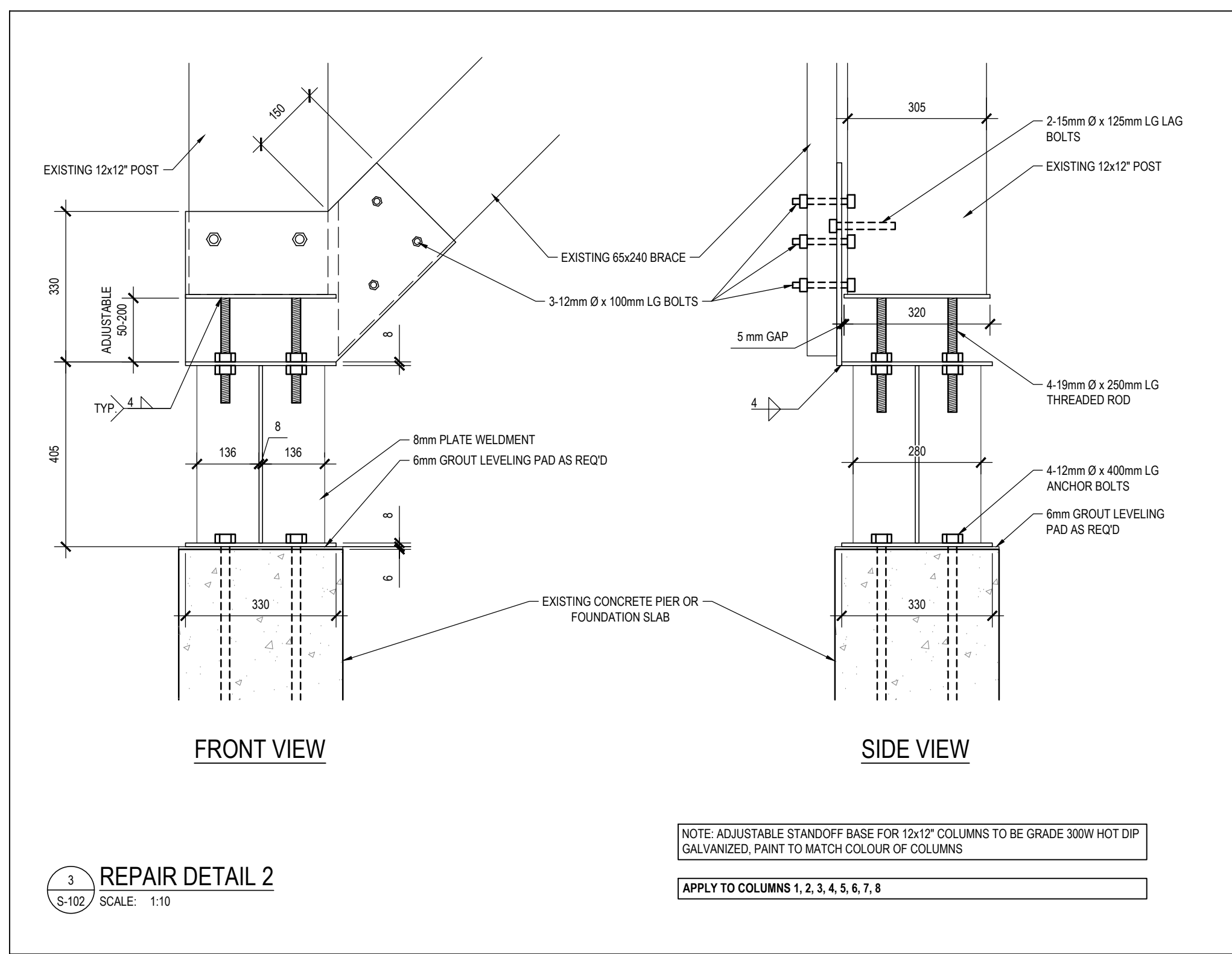
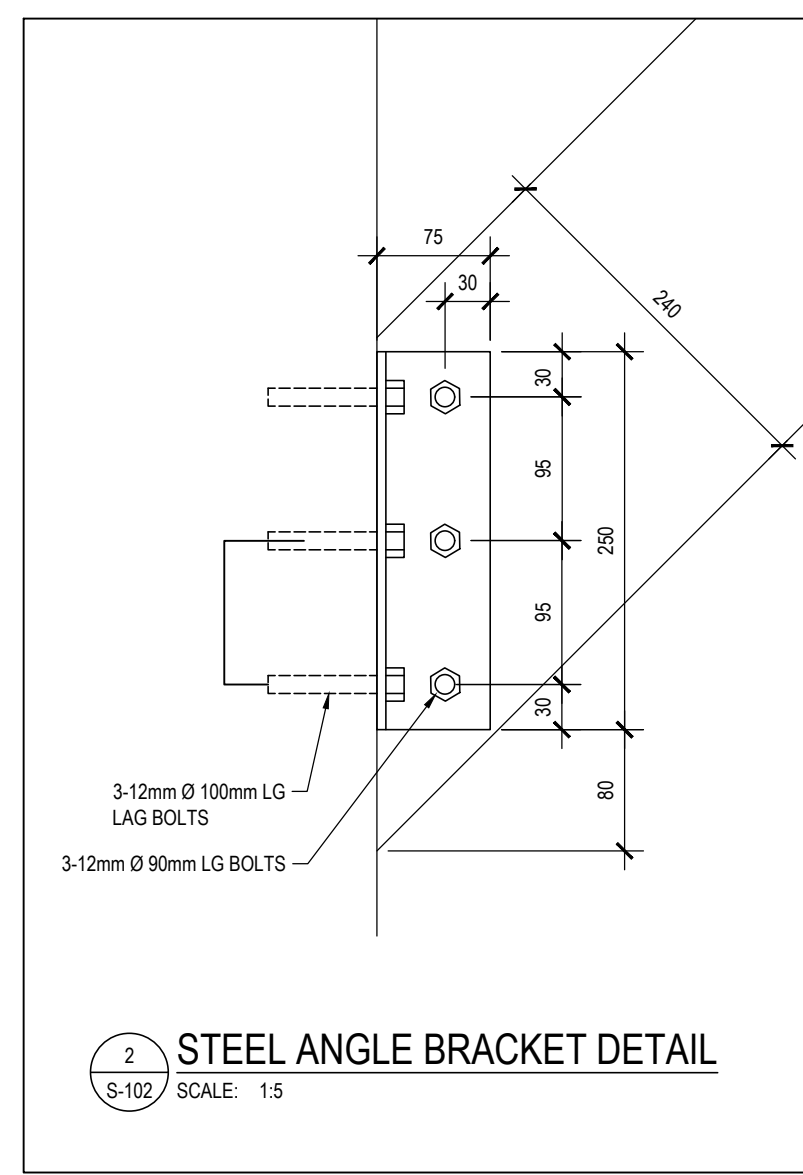
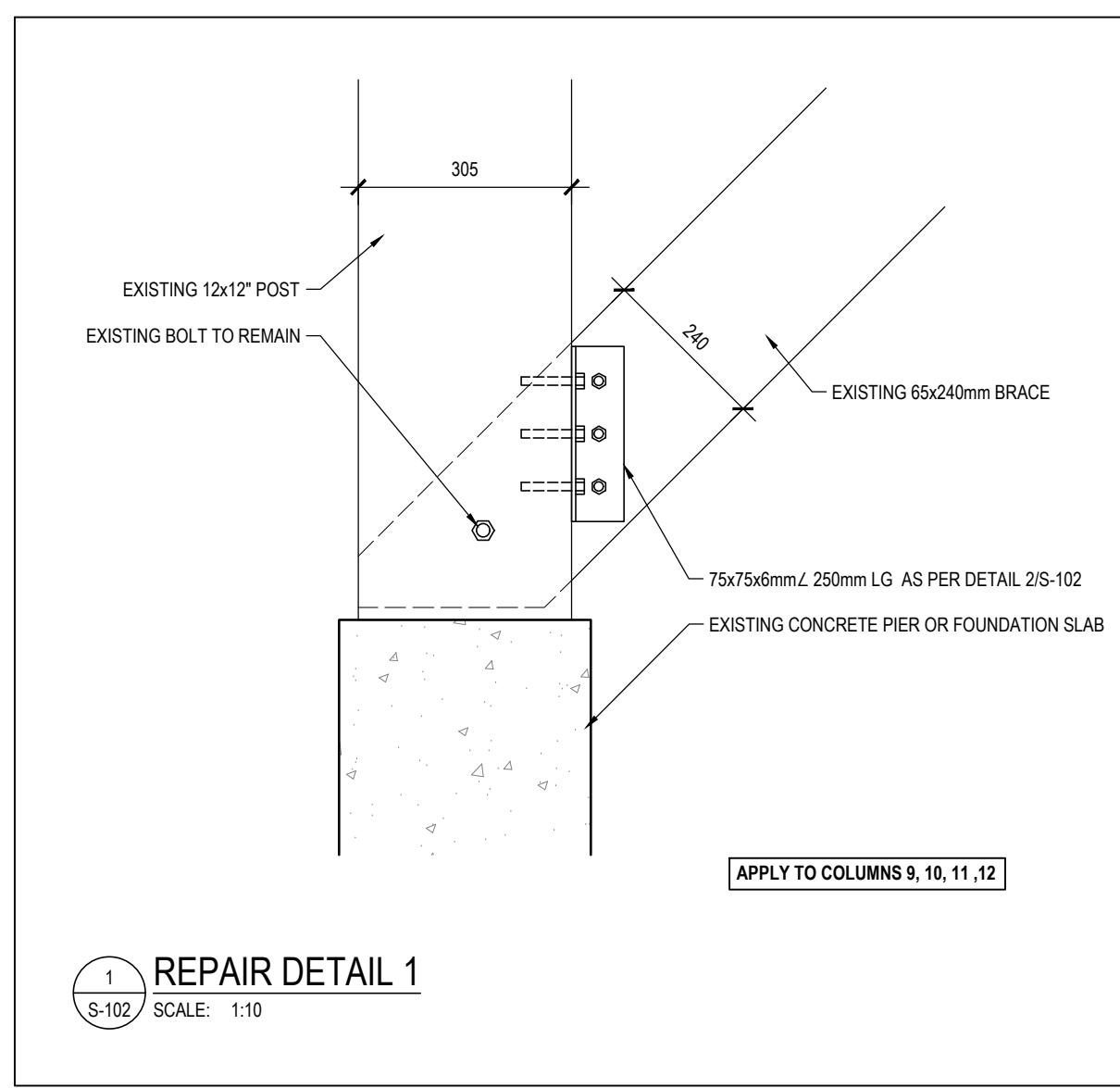
12 INTERNATIONAL DRIVE, PEMBROKE, ON, K8A 6W5
T: 613-735-2507
PEMBROKE@JP2G.COM

JP2g PROJECT No.: 25-2093A

NORTH	CLIENT No.:
	DRAFTED: C. SIMPSON
	DESIGNED: D. HARMER
	REVIEWED: I. JOHNSON
SCALE	APPROVED: D. HARMER
	SHEET #

S-100

DRAWN BY: J.P. STRUCTURAL/20250825/2025 - MADAWASKA VALLEY - WATER TOWER REPAIR DESIGN DRAWINGS/ENGINEERING/2025 - WATER TOWER - METRIC/DWG. LAYOUT. \$: 100 BAIKID ON 2025-08-25



REPAIR NOTES

REPAIR 1: BOTTOM OF COLUMNS 9, 10, 11 AND 12
ADD NEW STEEL ANGLE BRACKET AT DIAGONAL BRACE/COLUMN CONNECTION: DETAIL 1

REPAIR 2: BOTTOM OF COLUMNS 2, 3, 4, 5, 6, 7 AND 8
INSTALLATION OF NEW ADJUSTABLE STEEL STAND-OFF BASE: DETAIL 2
SEQUENCE:
a. INSTALL TEMPORARY DIAGONAL STRUTS TO MAINTAIN COLUMN POSITION. MAINTAIN EXISTING DIAGONAL BRACE.
b. MEASURE, MARK AND CAREFULLY CUT OFF BOTTOM OF COLUMN TO SUIT NEW STAND OFF BASE. BOTTOM OF COLUMN TO BE CUT SMOOTH AND LEVEL. NOTE: AT COLUMN 8, REMOVE AND SALVAGE WITH CARE, INTERIOR AND EXTERIOR WALL CLADDING AND STUDS AS REQUIRED TO CUT OFF BOTTOM OF COLUMN AND INSTALL NEW STAND-OFF BASE. TREAT NEW CUT FACE OF BOTTOM OF COLUMN WITH PRESERVATIVE.
c. PLACE NEW STEEL BASE AND ANCHOR BOTTOM PLATE TO CONCRETE WITH ANCHOR BOLTS. PLACE GROUT PAD, IF REQUIRED AND AS DIRECTED BY ENGINEER.
d. RAISE ADJUSTABLE TOP PLATE OF BASE TO MAKE FIRM CONTACT WITH BOTTOM OF COLUMN BY TIGHTENING THE 4 UPPER NUTS. TIGHTEN LOWER NUTS TO SECURE THE ADJUSTABLE ASSEMBLY. FASTEN COLUMN TO GUSSET PLATE AS SHOWN.
e. FASTEN BOTTOM OF EXISTING BRACE TO GUSSET PLATE ON NEW BASE. TRIM OFF BOTTOM OF DIAGONAL BRACE TO SUIT NEW CONNECTION AND TREAT WITH PRESERVATIVE.
f. REMOVE TEMPORARY STRUTS. NOTE: AT COLUMN 8 RESTORE EXISTING WALL STUD FRAMING AND CLADDING WITH SALVAGED PIECES.

REPAIR 3: BOTTOM AND TOP OF COLUMN 1
INSTALL NEW ADJUSTABLE STAND-OFF BASE AT BOTTOM OF COLUMN AND REPLACE INTERSECTING BEAMS AT TOP OF COLUMN: DETAILS 2&3
NOTE:
FULL HEIGHT OF COLUMN REQUIRES DETACHMENT FROM EXISTING STRUCTURE AS REQUIRED TO TEMPORARILY LOWER THE COLUMN AND STEEL BEARING ASSEMBLY.
NEW BEAM SECTIONS TO BE ROUGH CUT SPF NO.1 TO MATCH EXISTING BEAM DIMENSIONS.
SEQUENCE OF WORK:
a. REMOVE BIRD SCREENING FROM UNDERSIDE OF JOISTS IN WORK AREA.
b. TEMPORARILY SUPPORT TANK FLOOR JOISTS AND CUT/REMOVE THE FASTENERS/NAILS SECURING JOISTS TO THE SECTIONS OF BEAMS TO BE REMOVED. REPLACE DETERIORATED FLOOR JOISTS, ONLY AS NECESSARY AND DIRECTED BY THE ENGINEER.
c. TEMPORARILY SUPPORT THE BOTTOM '12X6' OF BUILT-UP BEAM AT A LOCATION BEYOND THE REMOVAL/REPAIR AREA. CAREFULLY REMOVE AND SALVAGE THE FULL LENGTH OF THE TOP '6X12' OF BUILT-UP BEAM.
d. CAREFULLY REMOVE AND SALVAGE ALL INTERIOR AND EXTERIOR SIDING AND WALL STUDS AS REQUIRED TO ACCESS, THE DESIGNATED LENGTH OF 12 X12 BEAM TO BE REMOVED. ENSURE REMAINING 12X12 BEAM IS SUPPORTED BY THE FRAMED WALL (REINFORCE AS REQUIRED).
e. REMOVALS AT BOTTOM OF COLUMN PER 2B. ABOVE.
f. REMOVE WALL-TO-COLUMN FASTENERS IN ORDER TO FREE THE FULL COLUMN LENGTH FROM THE MECHANICAL ROOM STRUCTURE.
g. LOWER COLUMN AND BEARING ASSEMBLY AS REQUIRED TO CUT AND REMOVE THE DESIGNATED BEAM REMOVAL SECTIONS.
h. PROVIDE ACCESS FOR ENGINEER TO INSPECT TOP OF EXISTING COLUMN AND BEARING ASSEMBLY.
i. INSTALL THE TWO NEW BEAM SECTIONS COMPLETE WITH SPLICE PLATES; BOTTOM '12X6' OF BUILT-UP BEAM FIRST THEN '12X12' BEAM OVER. ENSURE FULL CONTACT OF 12X12 ON '12X6'. REINSTALL THE SALVAGED TOP '6X12' OF BUILT-UP BEAM.
j. RAISE THE COLUMN WITH ATTACHED BEARING ASSEMBLY TO FIT TIGHTLY TO THE UNDERSIDE OF THE NEW '12X6' BEAM. SCRIBE NEW '12X6' BEAM AS REQUIRED TO OBTAIN FULL CONTACT BETWEEN BEAM AND BEARING ASSEMBLY. SECURE IN PLACE PER ORIGINAL ARRANGEMENT.
k. INSTALL NEW STAND-OFF BASE AND PER NOTES 2C AND 2D ABOVE. ENSURE TIGHT CONTACT AT BOTTOM AND TOP OF COLUMN. FASTEN EXISTING BRACE PER NOTE 2D.
l. REFASTEN FLOOR JOISTS TO THE NEW BEAMS IN A FASHION SIMILAR TO ORIGINAL INSTALLATION.
m. REMOVE TEMPORARY SUPPORT AND RESTORE WALL STUDS AND CLADDING. INSTALL NEW BIRD SCREENING.

CLIENT LOGO

KEYPLAN (NTS)

DISCLAIMER NOTES

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ISSUES/PROBLEMS WHICH MAY OCCUR AS A RESULT OF A FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY.
- WHERE THERE ARE ALLEGED ERRORS, OMISSIONS, INCONSISTENCIES OR AMBIGUITIES PRESENT IN THE CONTRACT DOCUMENTS, THE CONTRACTOR MUST SEEK CLARIFICATION FROM JP2G. ANY COSTS OR SCHEDULE DELAYS WHICH RESULT AS A FAILURE TO CONTACT JP2G FOR CLARIFICATION SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- DO NOT SCALE DRAWINGS. REFER ANY DIMENSIONAL CLARIFICATIONS AND/OR POSSIBLE TRADE INTERFERENCE/CONFLICTS TO JP2G FOR CLARIFICATION PRIOR TO COMMENCEMENT OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH SUBTRADES AND SHALL ADDRESS CONSTRUCTION TEAM COORDINATION ITEMS PRIOR TO ISSUING REQUESTS FOR INFORMATION FROM JP2G.
- THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	YYYY-MM-DD	BY	DESCRIPTION
2	08/20/2025	D.H.C.S	ISSUED FOR PERMIT
1		D.H.C.S	ISSUED FOR REVIEW

STAMP

PROFESSIONAL ENGINEER
D. R. G. HARMER
18423012
2025 / 08 / 25
PROVINCE OF ONTARIO

PROJECT
MADAWASKA VALLEY - WATER TOWER REPAIR DESIGN
BARRY'S BAY, ON

DRAWING
WATER TOWER REPAIR DETAILS

Jp2g Consultants Inc.
ENGINEERS • PLANNERS • PROJECT MANAGERS

12 INTERNATIONAL DRIVE, PEMBROKE, ON, N6A 6W6
T: 613-735-2507
PEMBROKE@JP2G.COM

JP2g PROJECT No.: 25-2093A

NORTH	CLIENT No.:
	DRAFTED: C. SIMPSON
	DESIGNED: D. HARMER
	REVIEWED: I. JOHNSON
	APPROVED: D. HARMER
SCALE	SHEET #
SCALE AS SHOWN	S-102

DRAWN BY: J.P. STRUCTURAL/2025/08/20/2025; MADAWASKA VALLEY - WATER TOWER REPAIR DESIGN; DRAWING: 18423012; WATER TOWER REPAIR DESIGN; PROJECT: 25-2093A