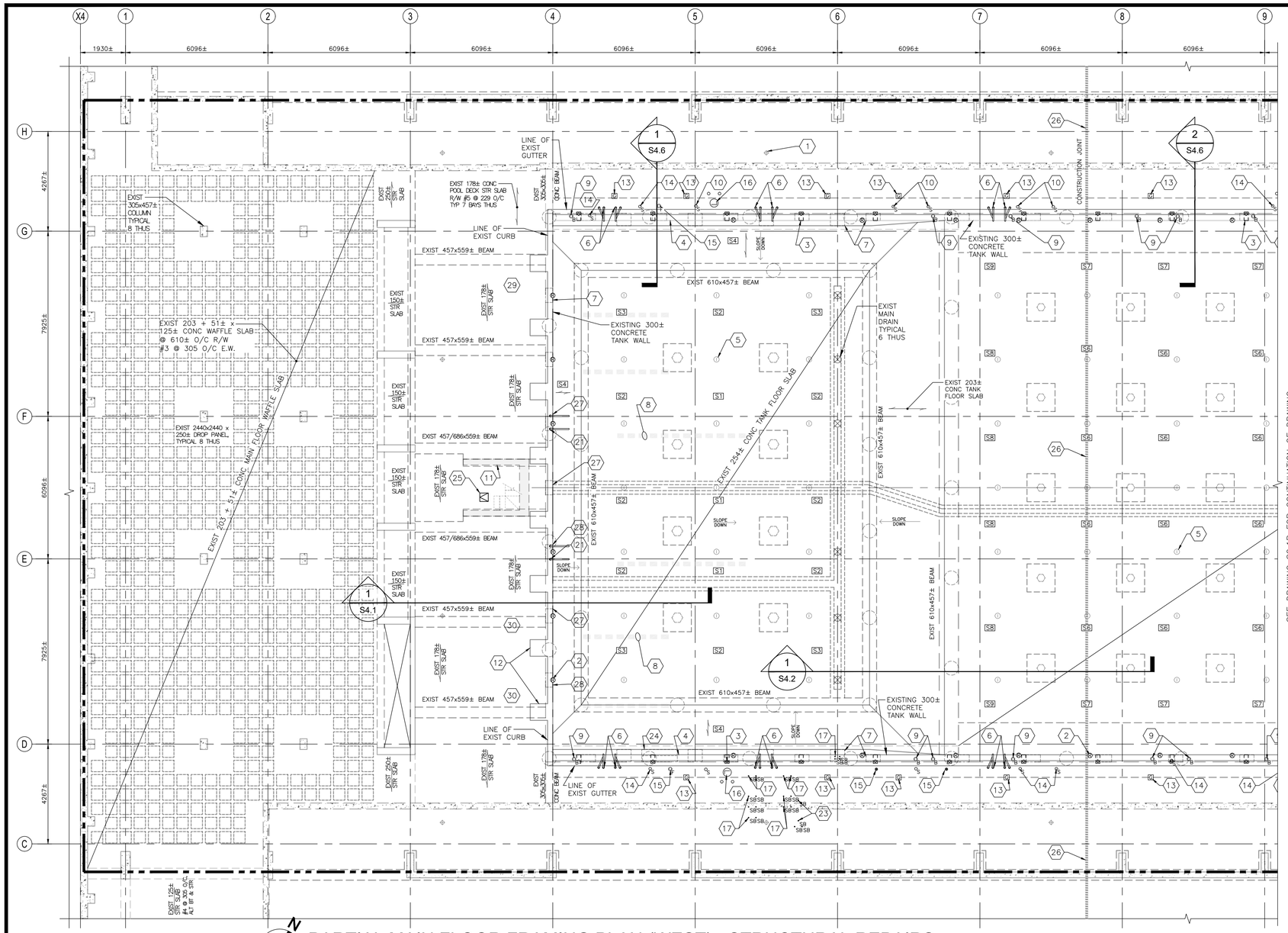

SEE DRAWING S2.1B FOR CONTINUATION OF DRAWING

N

PARTIAL MAIN FLOOR FRAMING PLAN (WEST) - STRUCTURAL REPAIRS

1:100

EXISTING DESIGN LOADS

DIVING END TANK SLAB:
LIVE LOAD = 970 PSF
DEAD LOAD = 130 PSF

MID-DEPTH TANK SLAB:
LIVE LOAD = 440 PSF
DEAD LOAD = 75 PSF

SHALLOW END TANK SLAB:
LIVE LOAD = 280 PSF
DEAD LOAD = 75 PSF

POOL DECK SLABS:
LIVE LOAD = 100 PSF
DEAD LOAD = 70 PSF

WAFFLE SLAB:
LIVE LOAD = 75 PSF
LL + DL = 160 PSF (ASSUMED)

S2.1 DRAWING NOTES

1. LOCATIONS OF UNIT PRICE CONCRETE REPAIRS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AND EXTENT OF REPAIRS WILL BE IDENTIFIED BY THE CONTRACT ADMINISTRATOR PRIOR TO DEMOLITION.
2. PRIOR TO DEMOLITION, CONDUCT A 3D SCAN OF THE POOL DECK AND TANK AND CREATE A DRAWING OF EXISTING CONDITIONS COMPLETE WITH DIMENSIONS TO FIXTURES, FURNISHINGS AND TANK TILE MARKINGS. VERIFY DIMENSIONS FROM THE 3D SCAN AND DRAWING.
3. UNLESS OTHERWISE SHOWN ON DRAWINGS, INSTALL FURNISHINGS, EQUIPMENT AND FITTINGS IDENTIFIED FOR RE-INSTALLATION AT THE EXISTING LOCATIONS.
4. RELOCATE SURFACE MOUNTED ELECTRICAL TO ACCOMMODATE CONCRETE REPAIRS AS CASH ALLOWANCE. REFER ALSO TO ELECTRICAL.
5. PRIOR TO DEMOLITION REFER ALSO TO STRUCTURAL, ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR PRE-DEMOLITION PREPARATIONS.

S2.1 STRUCTURAL REPAIR KEYNOTES

1. EXISTING POOL DECK FLOOR DRAINS: REMOVE AND REPLACE (STIPULATED PRICE) REFER TO CONCRETE REPAIR DETAIL 1/S5.1. REFER ALSO TO MECHANICAL.
2. EXISTING ROPE ANCHORS (STIPULATED PRICE): REMOVE AND REPLACE. REFER TO CONCRETE REPAIR DETAIL 9/S5.1. REFER TO DRAWINGS S3.1 AND S3.2 FOR APPROXIMATE LOCATIONS. REFER ALSO TO ARCHITECTURAL.
3. EXISTING SKIMMERS (STIPULATED PRICE): REMOVE AND REPLACE. REFER TO CONCRETE REPAIR DETAIL 4/S5.1. REFER ALSO TO MECHANICAL.
4. EXISTING VACUUM PORTS (STIPULATED PRICE): REMOVE AND REPLACE. REFER TO CONCRETE REPAIR DETAIL 5/S5.1. REFER TO DRAWINGS S3.1 AND S3.2 FOR APPROXIMATE LOCATIONS. REFER ALSO TO MECHANICAL.
5. EXISTING POOL TANK INLETS (STIPULATED PRICE): REMOVE AND REPLACE. REFER TO CONCRETE REPAIR DETAIL 2/S5.1. REFER ALSO TO MECHANICAL.
6. EXISTING LADDER (TYPE 1) ANCHORS (STIPULATED PRICE): REMOVE AND REPLACE (FOUR ANCHORS PER LOCATION) AT EXISTING LOCATION. REFER TO CONCRETE REPAIR DETAIL 8/S5.1.
7. EXISTING THROUGH TANK WALL LIGHTING (STIPULATED PRICE): REMOVE, DISCARD FIXTURE AND ELECTRICAL, AND INFILL OPENING WITH REPAIR MORTAR. REFER TO CONCRETE REPAIR DETAIL 2/S5.2. REFER TO DRAWING S3.1 FOR APPROXIMATE LOCATIONS. REFER ALSO TO ELECTRICAL AND LEAD ABATEMENT.
8. EXISTING BUBBLER SYSTEM (STIPULATED PRICE): REMOVE, SALVAGE AND STORE FOR RE-INSTALLATION.
9. EXISTING BULKHEAD INSERT ANCHOR (STIPULATED PRICE): REMOVE AND REPLACE. REFER TO CONCRETE REPAIR DETAIL 7/S5.1.
10. EXISTING STANCHION POST ANCHOR (STIPULATED PRICE): REMOVE AND REPLACE AT EXISTING LOCATION. REFER TO CONCRETE REPAIR DETAIL 8/S5.1.
11. OUTLINE OF DIVING PLATFORM B ABOVE. REFER TO DRAWINGS S4.5 FOR STRUCTURAL REPAIRS AT DIVING TOWER.
12. EXISTING STARTING BLOCK PLATFORM BASE (STIPULATED PRICE): DEMOLISH TO CONCRETE FLOOR SLAB, FORM AND POUR REPLACEMENT PLATFORM BASE AS SHOWN ON DETAIL 6/S5.1. REFER TO ARCHITECTURAL FOR LOCATIONS AND EXTENTS.
13. EXISTING GOALPOST ANCHOR (STIPULATED PRICE): REMOVE, DISCARD AND INFILL VOID WITH REPAIR MORTAR. SIMILAR TO CONCRETE REPAIR DETAIL 10/S5.1.
14. EXISTING STANCHION POST ANCHOR (STIPULATED PRICE): REMOVE, DISCARD, AND INFILL VOID WITH REPAIR MORTAR. SIMILAR TO CONCRETE REPAIR DETAIL 10/S5.1.
15. EXISTING FLAGPOLE INSERT ANCHOR (STIPULATED PRICE): REMOVE AND REPLACE AT EXISTING LOCATION. REFER TO CONCRETE REPAIR DETAIL 8/S5.1.
16. EXISTING FORMER LIFEGUARD CHAIR ANCHORS (STIPULATED PRICE): REMOVE, DISCARD AND INFILL VOID WITH REPAIR MORTAR (THREE ANCHORS PER LOCATION). REFER TO CONCRETE REPAIR DETAIL 10/S5.1.
17. EXISTING SINGLE BOLT ANCHOR (STIPULATED PRICE): REMOVE, DISCARD AND INFILL VOID WITH REPAIR MORTAR.
18. EXISTING TANK STAIR RAILING ANCHOR (STIPULATED PRICE): REMOVE AND REPLACE AT EXISTING LOCATION. REFER TO ARCHITECTURAL FOR LOCATION, RAILING AND ANCHOR DESIGN BY SUPPLIER. ANCHOR WITH INTERNALLY THREADED ROD INSERTS.
19. TANK STAIR RAILING ANCHOR (STIPULATED PRICE): PROVIDE AT LOCATION SHOWN. REFER TO ARCHITECTURAL. RAILING AND ANCHOR DESIGN BY SUPPLIER. ANCHOR WITH INTERNALLY THREADED ROD INSERTS.
20. EXISTING TEMPORARY LADDER (TYPE 2) ANCHOR (STIPULATED PRICE): REMOVE AND REPLACE (TWO ANCHORS PER LADDER) AT EXISTING LOCATIONS. REFER TO CONCRETE REPAIR DETAIL 8/S5.1.
21. NEW TEMPORARY LADDER (TYPE 2) ANCHOR (STIPULATED PRICE): PROVIDE NEW ANCHORS (TWO ANCHORS PER LADDER) AT LOCATIONS SHOWN. REFER TO CONCRETE REPAIR DETAIL 8/S5.1.
22. EXISTING CHAIR LIFT ANCHOR (STIPULATED PRICE): REMOVE AND REPLACE AT EXISTING LOCATION. REFER TO CONCRETE REPAIR DETAIL 7/S5.1.
23. EXISTING SINGLE BOLT ANCHOR (STIPULATED PRICE): REMOVE AND REPLACE AT EXISTING LOCATION. PROVIDE STAINLESS STEEL INTERNALLY THREADED INSERTS. (BOLTS N.I.C.)
24. FORMER THROUGH TANK WALL WINDOW (STIPULATED PRICE): PREVIOUSLY INFILLED. REMOVE AND DISCARD EXISTING COVER PLATE, FRAMING AND INFILL MATERIAL. INFILL WITH REPAIR MORTAR. REFER TO CONCRETE REPAIR DETAIL 1/S5.2.
25. EXISTING BUBBLER CONTROL ACCESS HATCH (STIPULATED PRICE): REMOVE AND REPLACE AT EXISTING LOCATION. REFER TO CONCRETE REPAIR DETAIL 3/S5.1.
26. CONSTRUCTION JOINT (UNIT PRICE): REMOVE AND DISPOSE OF SEALANT FROM EXISTING CONTROL JOINT. REFER TO DETAILS 5/S5.2 AND 6/S5.2.
27. EXISTING DIVE TOWER SPRAYER (STIPULATED PRICE): REMOVE AND REPLACE AT EXISTING LOCATION. SIMILAR TO CONCRETE REPAIR DETAIL 5/S5.1. REFER ALSO TO MECHANICAL.
28. EXISTING BUBBLER SYSTEM THROUGH TANK WALL PORTS (STIPULATED PRICE): REMOVE AND REPLACE AT EXISTING LOCATION. SIMILAR TO CONCRETE REPAIR DETAIL 5/S5.1. REFER ALSO TO MECHANICAL.
29. DIVING PLATFORM A. REFER TO DRAWINGS S4.6 FOR STRUCTURAL REPAIR DETAILS.
30. DIVING PLATFORMS C AND D. REFER TO DRAWING S4.6 FOR STRUCTURAL REPAIR DETAILS

EXISTING CONCRETE POOL TANK FLOOR SLAB SCHEDULE

MARK	THICKNESS	BOTTOM REINF	TOP REINF OVER DROP PANELS AT COLUMN STRIP	TOP REINF IN INTERIOR MIDDLE STRIP	TOP REINF IN EXTERIOR COLUMN STRIP	TOP REINF IN EXTERIOR MIDDLE STRIP
S1	10"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	10-#6 @ 8" O/C TYPE 4 & 6 ALT	7-#5 @ 10" O/C TYPE 14		
S2	10"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	10-#6 @ 8" O/C TYPE 4 & 6 ALT	7-#5 @ 10" O/C TYPE 14	9-#6 @ 8" O/C	12-#5 @ 7" O/C
S3	10"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	10-#6 @ 8" O/C TYPE 4 & 6 ALT	7-#5 @ 10" O/C TYPE 14	9-#6 @ 8" O/C TYPE 1 & 3 ALT	9-#5 @ 8" O/C TYPE 13
S4	8"	#5 @ 12" O/C				
S5	5	#6 @ 8" O/C				
S6	6"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	8-#6 @ 8" O/C TYPE 4 & 6 ALT	6-#5 @ 10" O/C TYPE 14		
S7	6"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	8-#6 @ 8" O/C TYPE 4 & 6 ALT	6-#5 @ 10" O/C TYPE 14	9-#6 @ 8" O/C	12-#5 @ 7" O/C
S8	6"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	8-#6 @ 8" O/C TYPE 4 & 6 ALT	6-#5 @ 10" O/C TYPE 14	9-#6 @ 8" O/C	12-#5 @ 7" O/C
S9	6"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	8-#6 @ 8" O/C TYPE 4 & 6 ALT	6-#5 @ 10" O/C TYPE 14	9-#6 @ 8" O/C	12-#5 @ 7" O/C
S10	6"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	8-#6 @ 8" O/C TYPE 4 & 6 ALT	9-#5 @ 10" O/C TYPE 14		
S11	6"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	8-#6 @ 8" O/C TYPE 4 & 6 ALT	9-#5 @ 10" O/C TYPE 14	12-#6 @ 8" O/C TYPE 1 & 3 ALT	11-#5 @ 9" O/C
S12	6"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	8-#6 @ 8" O/C TYPE 4 & 6 ALT	9-#5 @ 10" O/C TYPE 14	12-#6 @ 8" O/C TYPE 1 & 3 ALT	11-#5 @ 9" O/C
S13	6"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	8-#6 @ 8" O/C TYPE 4 & 6 ALT	9-#5 @ 10" O/C TYPE 14	12-#6 @ 8" O/C TYPE 1 & 3 ALT	11-#5 @ 9" O/C
S14	6"	#5 @ 8" O/C EW LAP ALL BARS 12" AT SPLICE	8-#6 @ 8" O/C TYPE 4 & 6 ALT	9-#5 @ 10" O/C TYPE 14	12-#6 @ 8" O/C	14-#5 @ 9" O/C

2024-0660

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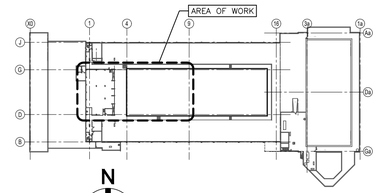
Structural Engineering & Building Performance

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Crosier Kilgour & Partners Ltd.
No. 235



No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	DJM	2026-08-17

SEAL

PROVINCE OF MANITOBA
D.J. MIZAK
Member
20801
REGISTERED PROFESSIONAL ENGINEER

2026-08-17

2026-08-17 DATE	TRB DESIGNED	MS/SAS DRAWN	SMC CHECKED	DJM APPROVED

Winnipeg

THE CITY OF WINNIPEG
ASSETS & PROJECT MANAGEMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT

PAN AM POOL
POOL RENEWAL

25 POSEIDON BAY

SHEET TITLE

PARTIAL MAIN FLOOR FRAMING PLAN - STRUCTURAL REPAIRS

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2024-0660	S2.1A

DRAWING SHEET SIZE: A1 (594x841) PLOT 1:1