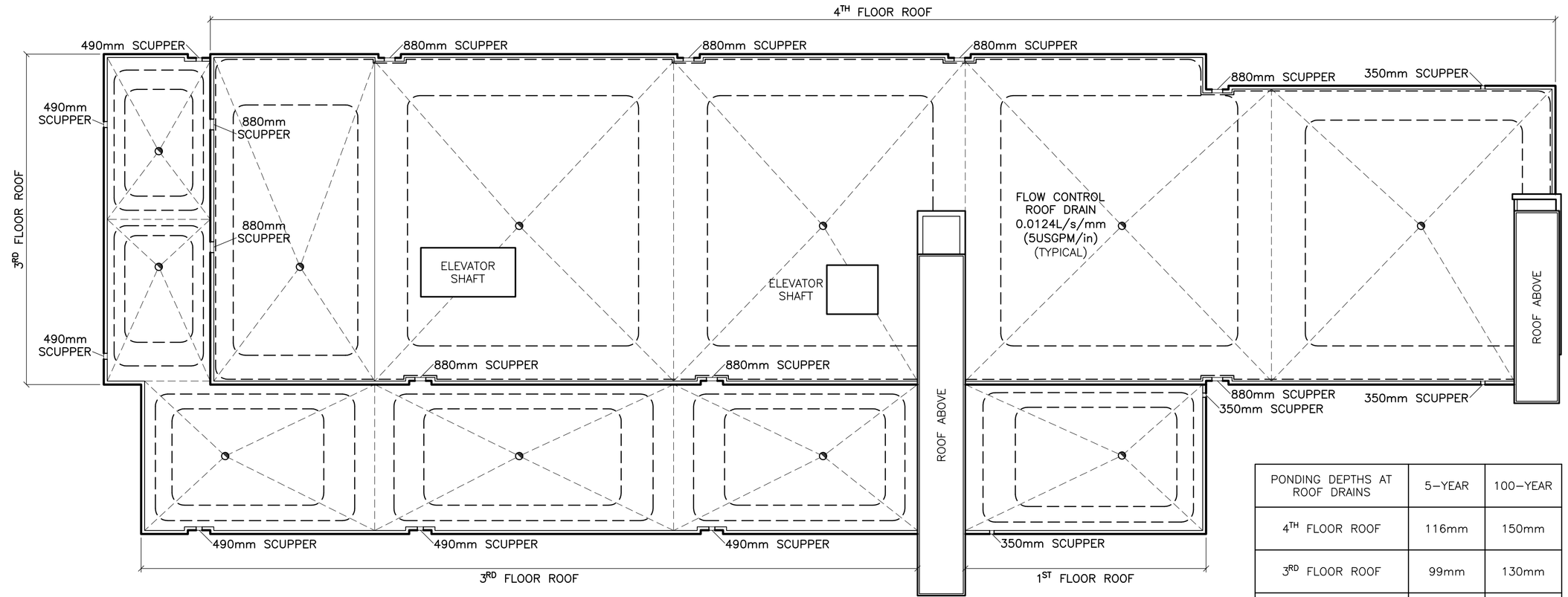
CATCH–BASIN & MANHOLE SCHEDULE

REF	TOP	SIZE	TYPE	INVERT AT INLET	INVERT AT OUTLET	NOTES
STORM SEWER						
CB–1	83.96	600mm x 600mm	PRE–CAST CONCRETE CATCH–BASIN	–	81.71	TO OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S19
MH–2	84.20	1200mm	PRE–CAST CONCRETE MANHOLE	81.61	81.61	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010
CB/MH–3	83.96	1200mm	PRE–CAST CONCRETE CATCH–BASIN/MANHOLE	81.50	81.50	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S28.1 OR OPSD 401.010
CB/MH–4	83.96	1200mm	PRE–CAST CONCRETE CATCH–BASIN/MANHOLE	81.15	81.15	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S28.1 OR OPSD 401.010
CB/MH–5	83.96	1200mm	PRE–CAST CONCRETE CATCH–BASIN/MANHOLE	81.07	81.07	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S28.1 OR OPSD 401.010
CB/MH–6	83.96	1200mm	PRE–CAST CONCRETE CATCH–BASIN/MANHOLE	81.00	81.00	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S28.1 OR OPSD 401.010 INSTALL ICD IN OUTLET PIPE
CB–7	83.41	600mm x 600mm	PRE–CAST CONCRETE CATCH–BASIN	–	81.16	TO OPSD 705.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S19
CB/MH–8	83.41	1200mm	PRE–CAST CONCRETE CATCH–BASIN/MANHOLE	–	80.97	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S28.1 OR OPSD 401.010
MH–9	84.12	1200mm	PRE–CAST CONCRETE MANHOLE	80.97 80.86	80.78	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010
MH–10	±83.68	1800mm	PRE–CAST CONCRETE MANHOLE	79.85 ±79.61	±79.61	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24.1 OR OPSD 401.010
SANITARY SEWER						
MH–SA.1	83.87	1200mm	PRE–CAST CONCRETE MANHOLE	81.69(E)	81.59(W)	TO OPSD 701.010 & CITY OF OTTAWA STANDARDS – FRAME & COVER TO CITY OF OTTAWA DRAWING No. S25 & S24 OR OPSD 401.010



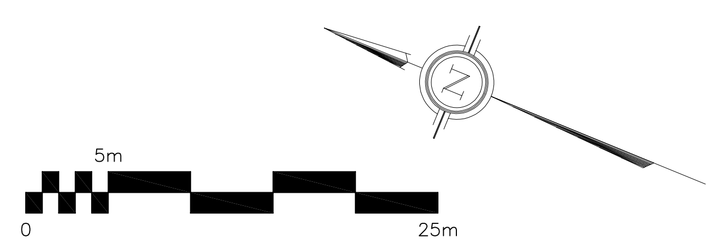
PONDING DEPTHS AT ROOF DRAINS	5–YEAR	100–YEAR
4TH FLOOR ROOF	116mm	150mm
3RD FLOOR ROOF	99mm	130mm
1ST FLOOR ROOF	102mm	133mm

ROOF PLAN

4TH FLOOR ROOF: INSTALL 2 SCUPPERS, EACH A MINIMUM 350mm WIDE AND A MINIMUM OF 9 ADDITIONAL SCUPPERS, EACH A MINIMUM 880mm WIDE. BOTTOM OF SCUPPERS SHALL BE 150mm ABOVE ROOF DRAINS (REFER TO ARCHITECTURAL FOR EXACT LOCATIONS AND DETAILS). ROOF SHALL BE DESIGNED TO CARRY THE LOAD OF WATER HAVING A 50mm DEPTH AT SCUPPER OR 200mm DEPTH AT ROOF DRAIN (REFER TO STRUCTURAL).

3RD FLOOR ROOF: INSTALL A MINIMUM OF 6 SCUPPERS, EACH A MINIMUM 490mm WIDE. BOTTOM OF SCUPPERS SHALL BE 150mm ABOVE ROOF DRAINS (REFER TO ARCHITECTURAL FOR EXACT LOCATIONS AND DETAILS). ROOF SHALL BE DESIGNED TO CARRY THE LOAD OF WATER HAVING A 50mm DEPTH AT SCUPPER OR 200mm DEPTH AT ROOF DRAIN (REFER TO STRUCTURAL).

1ST FLOOR ROOF: INSTALL A MINIMUM OF 2 SCUPPERS, EACH A MINIMUM 350mm WIDE. BOTTOM OF SCUPPERS SHALL BE 150mm ABOVE ROOF DRAINS (REFER TO ARCHITECTURAL FOR EXACT LOCATIONS AND DETAILS). ROOF SHALL BE DESIGNED TO CARRY THE LOAD OF WATER HAVING A 50mm DEPTH AT SCUPPER OR 200mm DEPTH AT ROOF DRAIN (REFER TO STRUCTURAL).



KEY PLAN

No.	DATE	REVISION
2	DEC 11–20	ISSUED FOR APPROVAL
1	DEC 9–20	ISSUED FOR COORDINATION

D. B. GRAY ENGINEERING INC.

Stormwater Management - Grading & Drainage - Storm & Sanitary Sewers - Watermains

700 Long Point Circle 613-425-8044

Ottawa, Ontario d.gray@dbgrayengineering.com

Project

PROPOSED 4–STOREY DYMON STORAGE BUILDING
3455 HAWTHORNE ROAD
OTTAWA, ONTARIO

Drawing Title

CB & MH SCHEDULE & ROOF PLAN

Engineer's Seal

LICENSED PROFESSIONAL ENGINEER
D.B. GRAY
17016502
DEC 11–20
PROVINCE OF ONTARIO

NOT VALID UNLESS SIGNED & DATED

Drawn	D.B.G
Hor. Scale	1:250
Vert. Scale	
Date	NOV 17–20
Job No.	19107

Drawing No.

C–7
of 8