

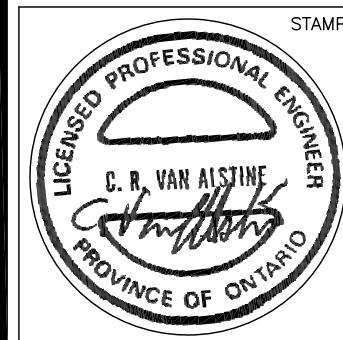
NORTH

**Note:**

1. All dimensions and conditions must be verified on site.
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3. Drawings are not to be used for construction or pricing unless signed by the Engineer and labelled "ISSUED FOR CONSTRUCTION"

PROJECT

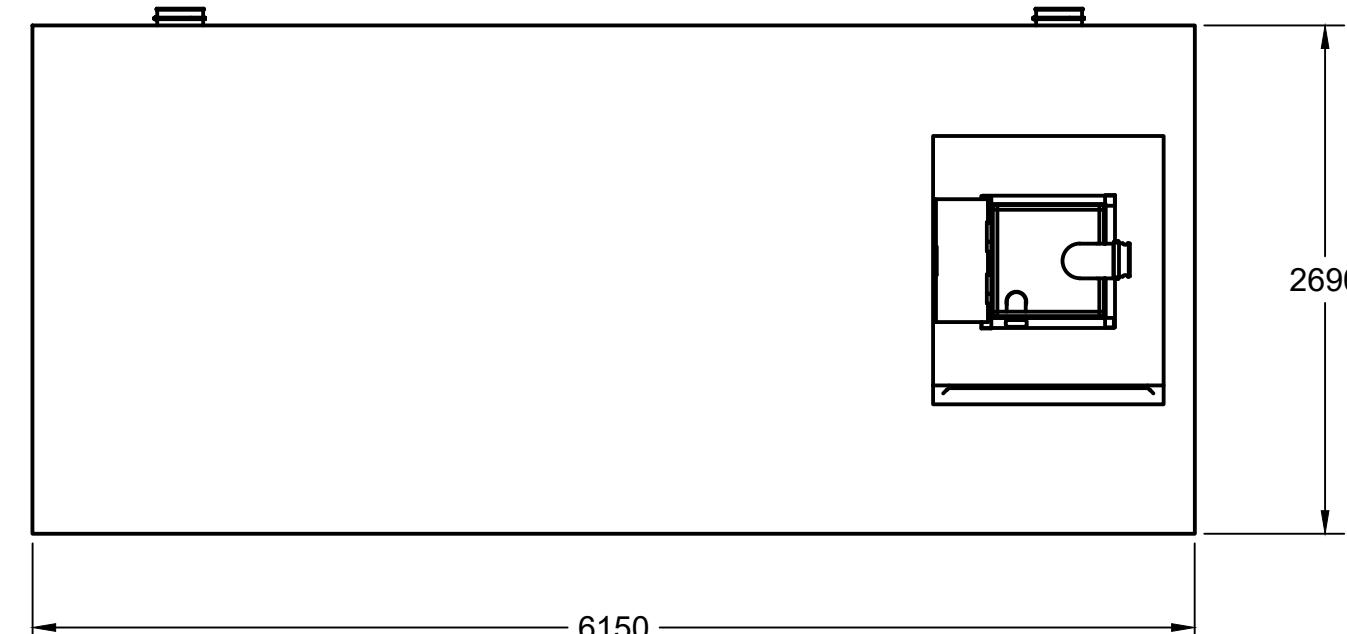
WHELAN TRUCK REPAIR  
BUILDING ADDITION  
158 CARDEVCO ROAD, OTTAWA ONTARIO



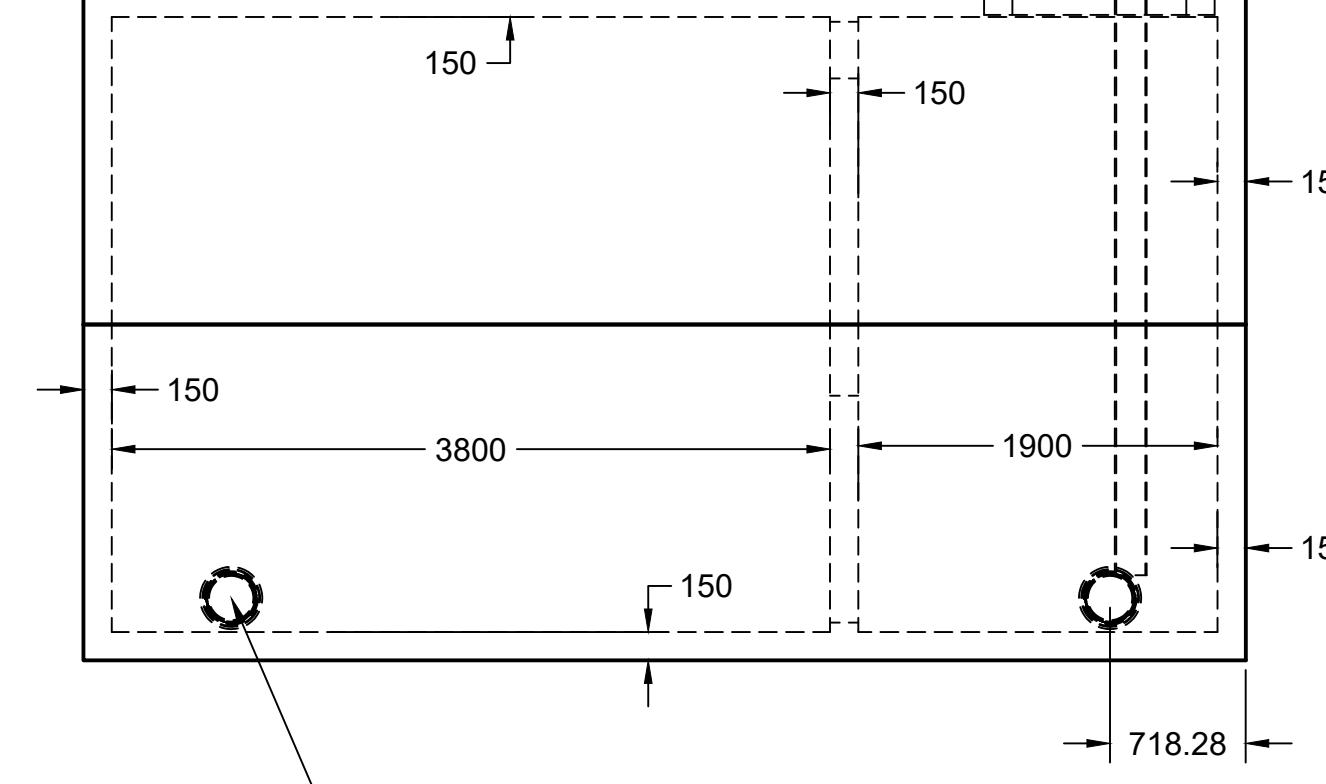
**EVEREST**  
ENGINEERING LIMITED  
15 Bass Road, Lombardy, Ontario K0G 1L0  
(613) 831-5454 Email: everestengineering@bellnet.ca  
MECHANICAL & ELECTRICAL  
CONSULTING ENGINEERS

SCALE	1:75	DRAWN BY	C.V.A.
DATE	AUGUST 2024	CHECKED BY	G.L.
5	ISSUED FOR SITE PLAN COORD.	NOV 21/24	
NO.	REVISION/ISSUE	DATE	
DRAWING NUMBER	MSK-1	REV. NO.	

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PRIMARY TANK: 610x610 City of Ottawa Spec Fire Chute w/ 150Ø Female Dry Hydrant and Drawdown Pipe  
100Ø Storz Fitting for Water Chute  
SECONDARY TANKS: 610x610 Aluminum Access Hatch c/w 100Ø Gooseneck Vent fitted with rodent screen



TOTAL VOLUME: 45000L

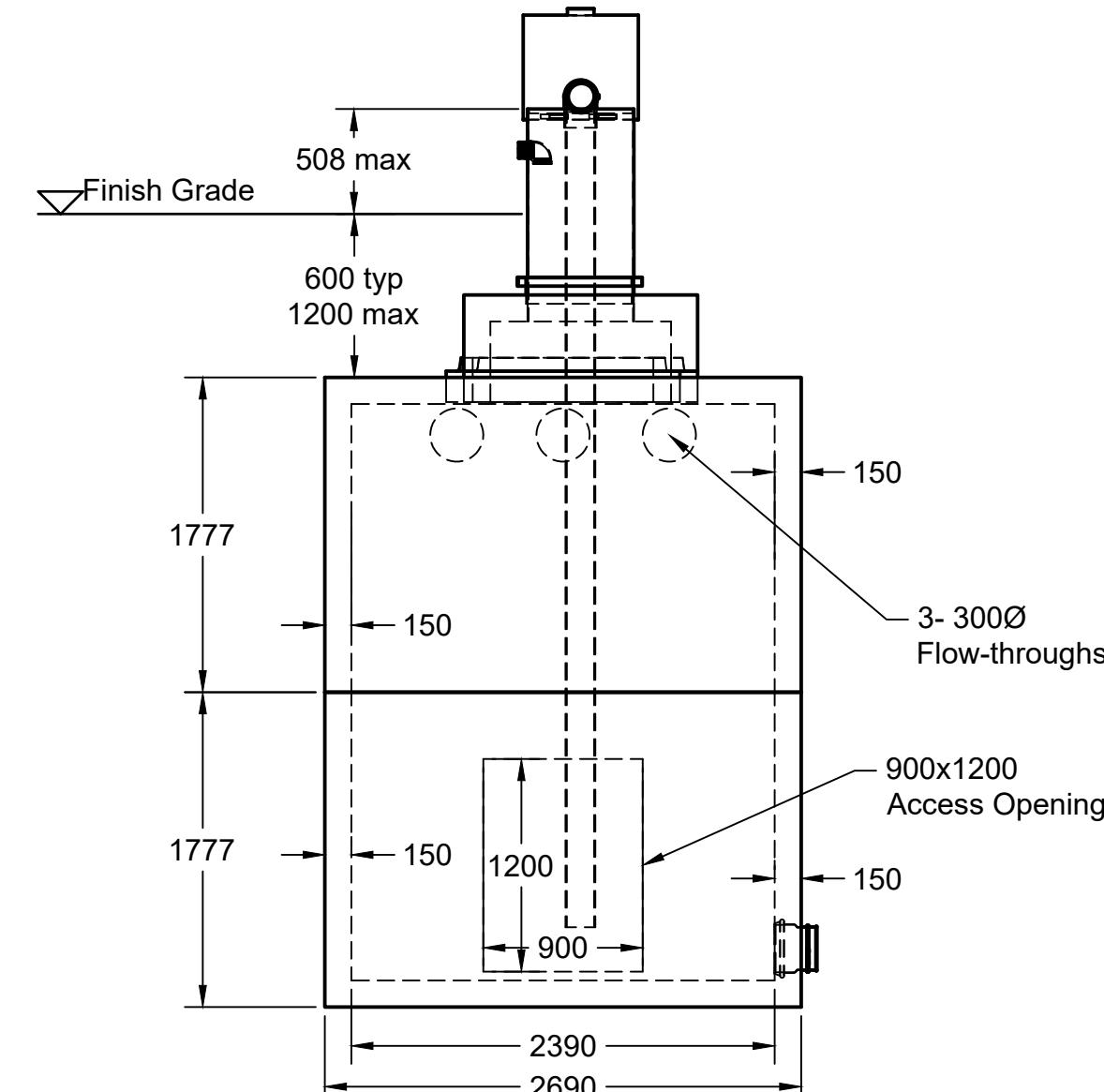
CONCRETE: 35MPa WITH 5-8% AIR ENTRAINMENT  
NON SULPHATE RESISTANTREINFORCING: GRADE 400W CONFORMING TO CSA G30.18  
15M @ 200mm ON CENTRE EACH WAY  
ADDITIONAL 15M AROUND PERIMETER AT SEAM BETWEEN SECTIONS  
15M x900mm ON DIAGONAL AT EACH CORNER OF LID OPENINGWEIGHT: TOP SECTION 17500KGS  
BOTTOM SECTION 17500KGS  
TOTAL 35000KGSMAXIMUM BURIAL DEPTH: 1200MM OF GROUND COVER IN AREA OF  
NON-VEHICULAR TRAFFICWATER TIGHTNESS: 2X ROWS CON-SEAL CS-102 MASTIC SEALANT BETWEEN  
SECTIONS. SEALANT APPLIED ONSITE BY BOYD BROS CONCRETE ACCORDING TO  
MANUFACTURER'S RECOMMENDED METHOD

PIPE/WALL CONNECTIONS: 200mmØ Flexible Rubber Bootseal for PVC Supply Line

ACCESS OPENINGS:  
PRIMARY TANK: 610X610 CITY OF OTTAWA SPEC FIRE CHUTE FOR FIRETRUCK  
CONNECTION  
SECONDARY ACCESS (OPTIONAL): 1200x1300 CAST-IN RISER FLANGE WITH 610X610  
DRIP PROOF ALUMINUM ACCESS HATCH  
900X1200 OPENING IN DIVIDER WALL FOR ACCESS TO BOTH CHAMBERS FROM ONE  
ACCESS POINT

OPTIONAL STAINLESS STEEL BOLT-ON LADDER OPTIONAL

TANK DESIGN CONFORMS TO CSA STANDARD B66-15



5450 Cuddy St Osgoode, ON K0A 2W0  
tel: (613) 826.2318 fax: (613) 826.3679  
toll free: 888.846.6664  
website: www.boydbrosconcrete.ca  
email: info@boydbrosconcrete.ca

PROJECT  
Boyd Bros Concrete  
TITLE  
45000 Fire Tank

DRAWN Rob Sanna 6/19/23 APPROVED

SIZE C DWG NAME 45000 Fire Tank  
REV 2

SCALE 1:40 WEIGHT 35000kgs SHEET 1/1

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## NOTES:

ALL STEEL PLATE 3mm

PAINT " SAFETY BLUE" TREMCLAD MEDIUM BLUE

FILL PIPE FITTING: 100mm STORZ FITTING ON OUTER SIDE OF CHUTE c/w 90° ELBOW TO DIRECT WATER DOWNTOWARDS.

SUCTION PIPE: 150mm FEMALE DRY HYDRANT w/ PLUG AND 90° SCH40 PVC ELBOW. c/w U-BOLT AND U-CHANNEL TRACK FOR MOUNTING ON LEDGE OF CHUTE

OVERALL HEIGHT OF CHUTE DEPENDANT ON LOCATION UP TO A MAX HEIGHT OF 1727mm. TOP OF CHUTE SHALL NOT EXCEED 508MM ABOVE GRADE.

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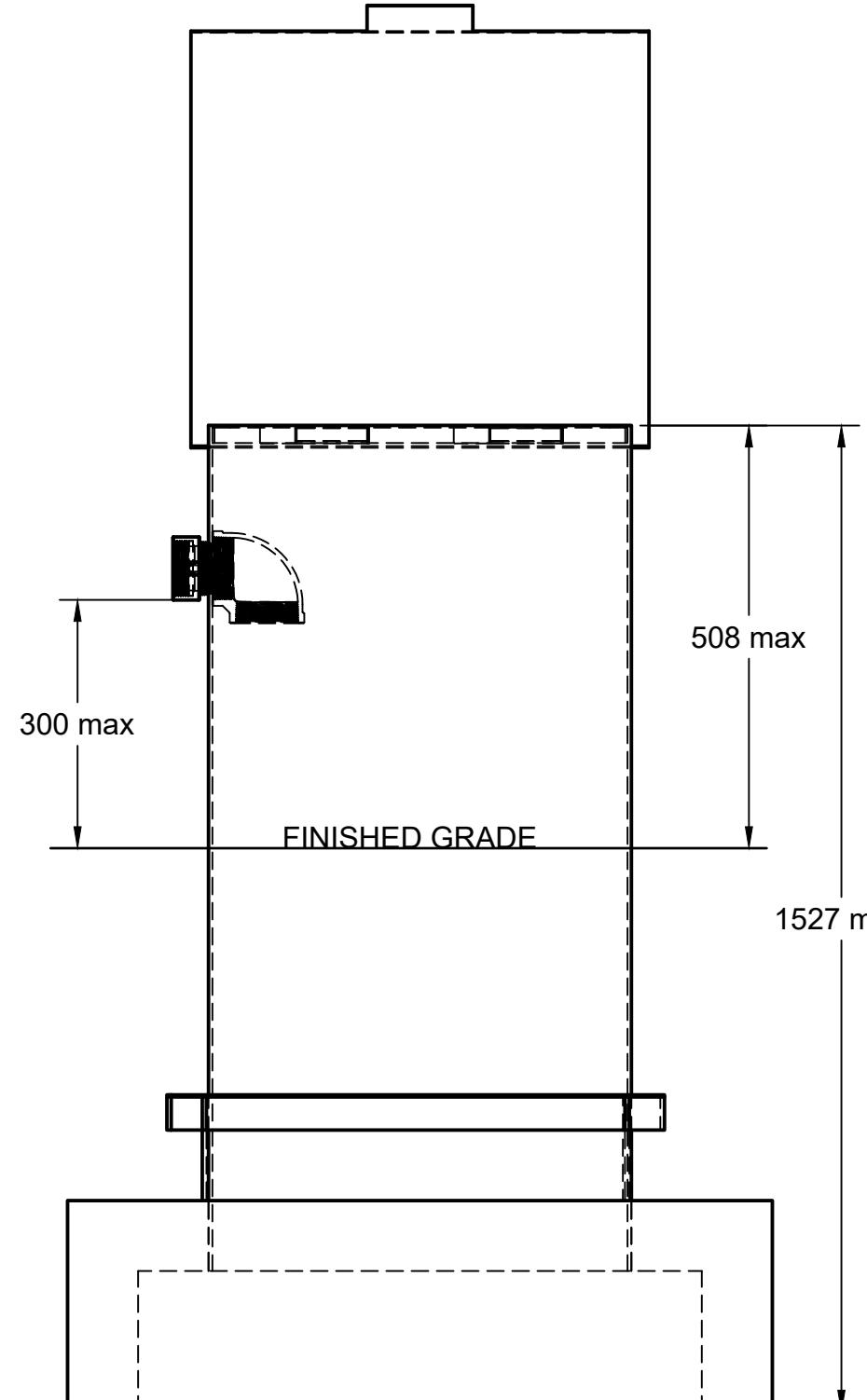
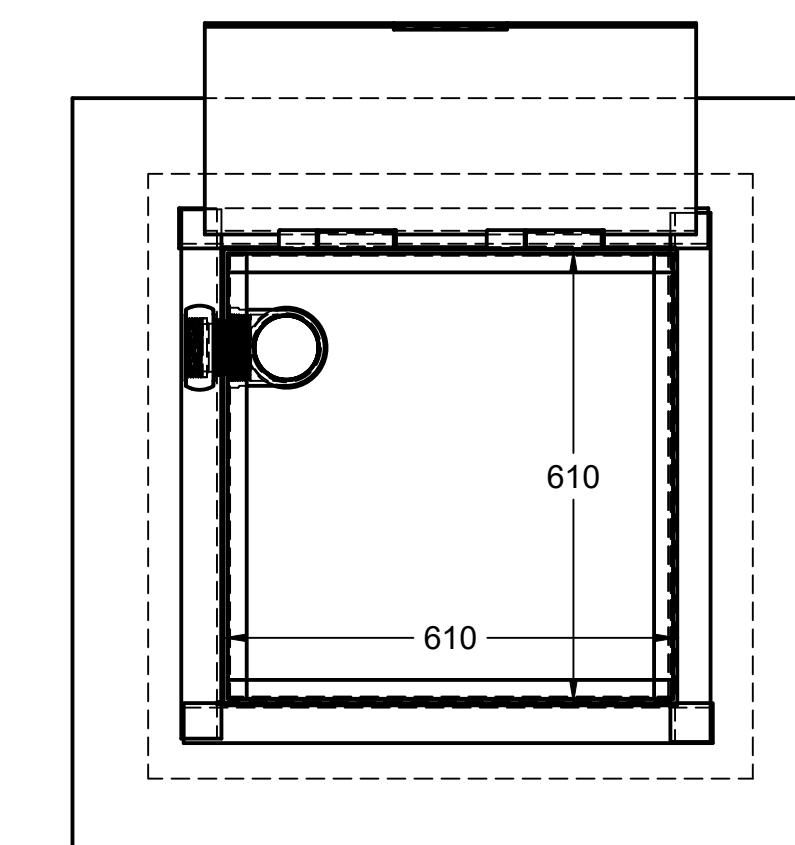
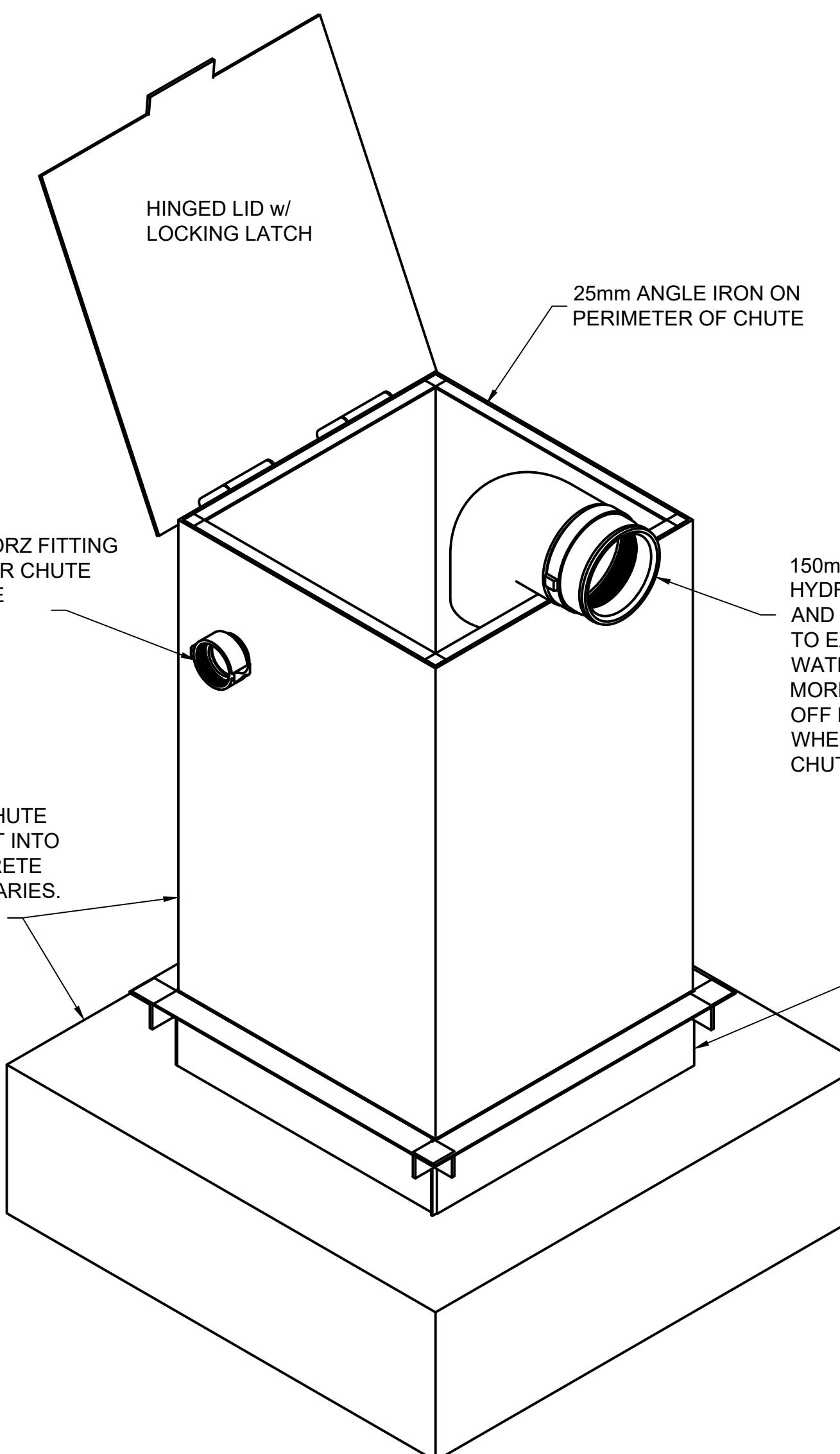
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FIRE FITTING - 100mm STORZ FITTING  
ON OUTER SIDE OF WATER CHUTE  
MIN 300mm ABOVE GRADE610X610 STEEL CHUTE  
INTEGRALLY CAST INTO  
1270X1170 CONCRETE  
RISER. HEIGHT VARIES.HINGED LID w/  
LOCKING LATCH25mm ANGLE IRON ON  
PERIMETER OF CHUTE150mm FEMALE DRY  
HYDRANT W/ PLUG  
AND 90°. SCH40 PIPE  
TO EXTEND INTO  
WATERLEVEL TO NO  
MORE THEN 300mm  
OFF FLOOR OF TANK  
WHEN INSTALLED ON  
CHUTE.BOTTOM 150mm OF CHUTE  
IS DOUBLE WALL WITH  
50mmX50mm ANGLE IRON  
ON TOP.

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PROJECT  
**FIRE CHUTE**  
TITLE  
**Fire Chute - City of Ottawa**

DRAWN Rob Sanna 6/20/19 APPROVED

SIZE C	DWG NAME FIRE CHUTE - CITY OF OTTAWA	REV 1
SCALE 1:10	WEIGHT	SHEET 1/1

4

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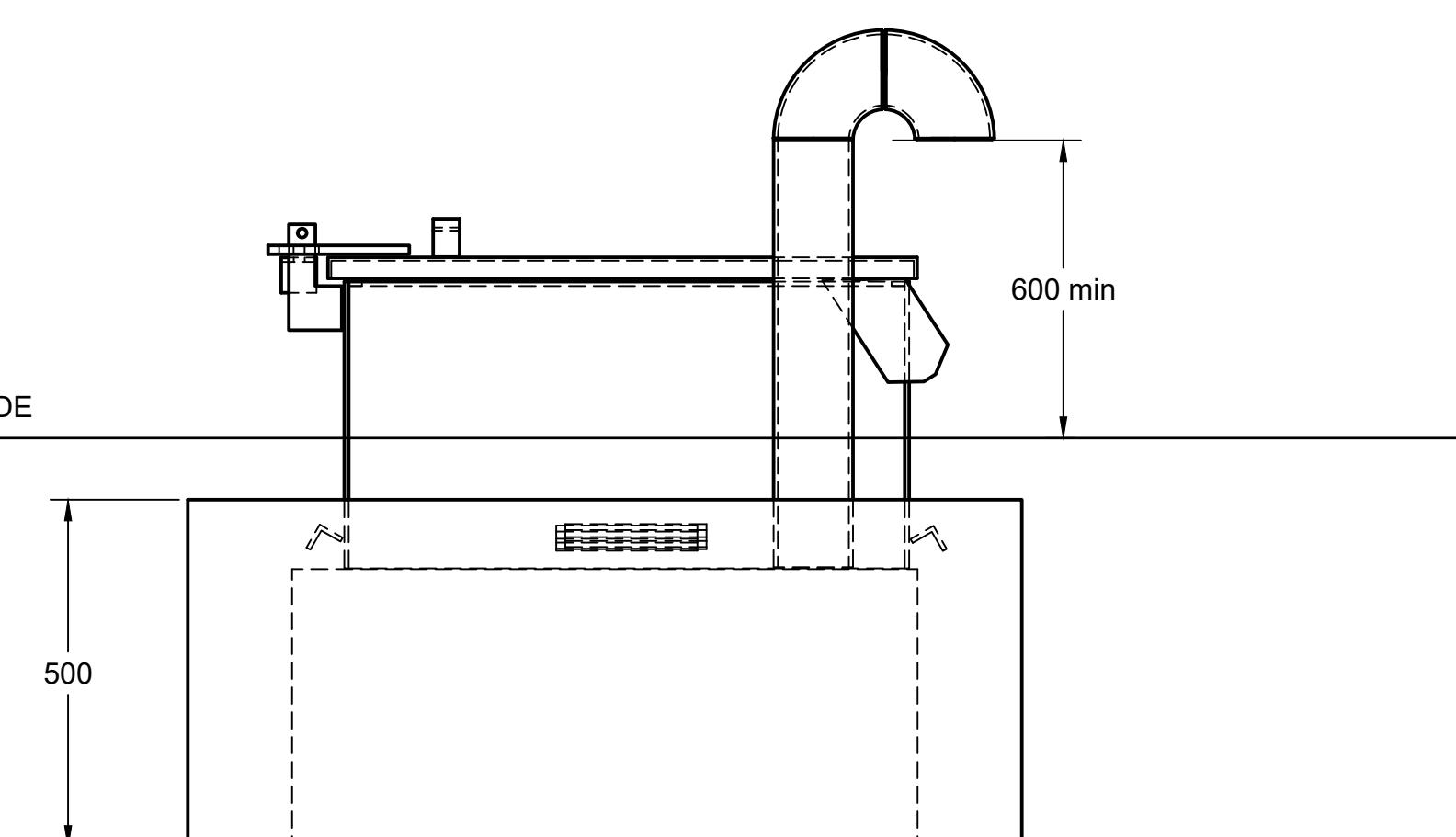
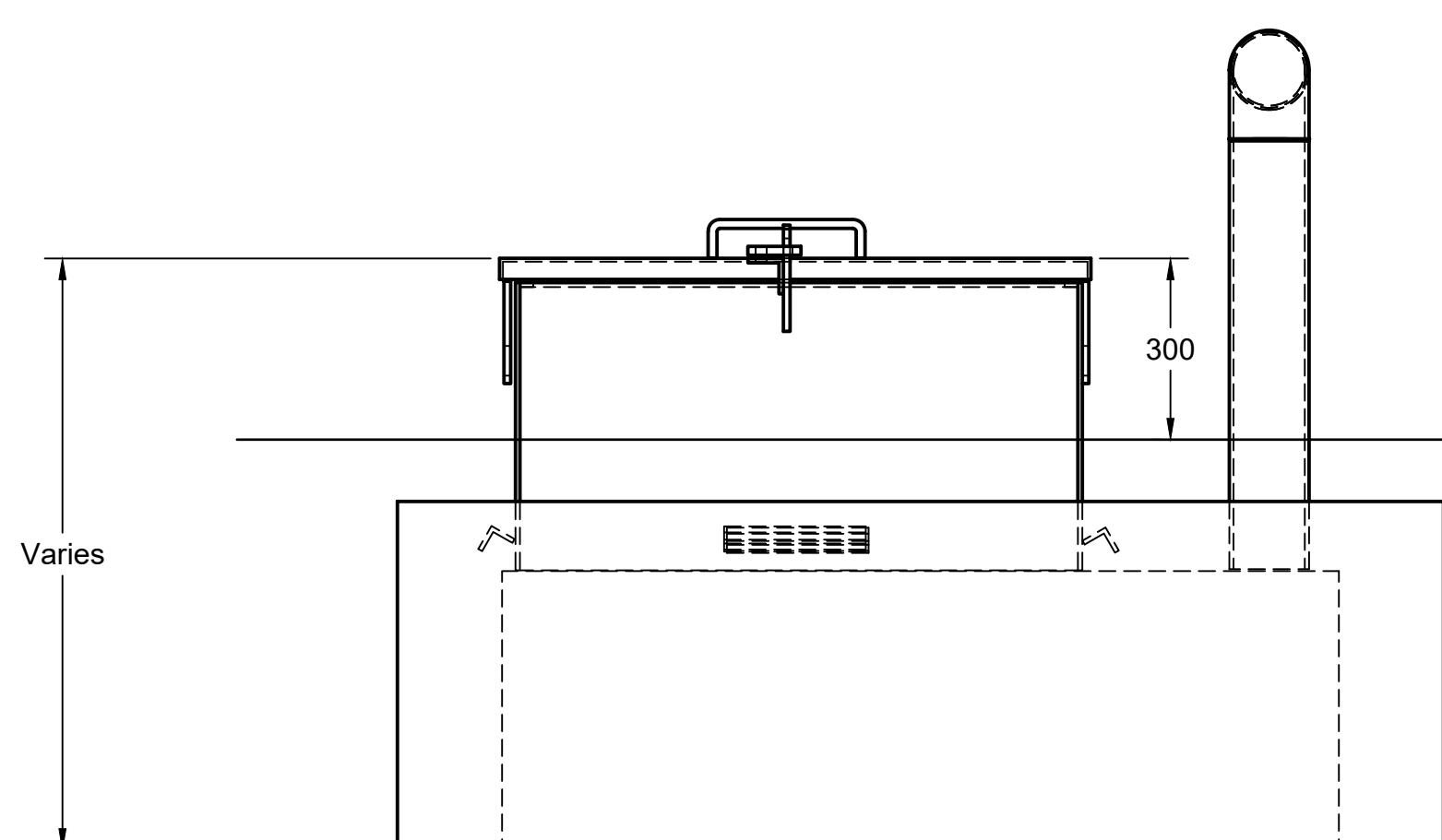
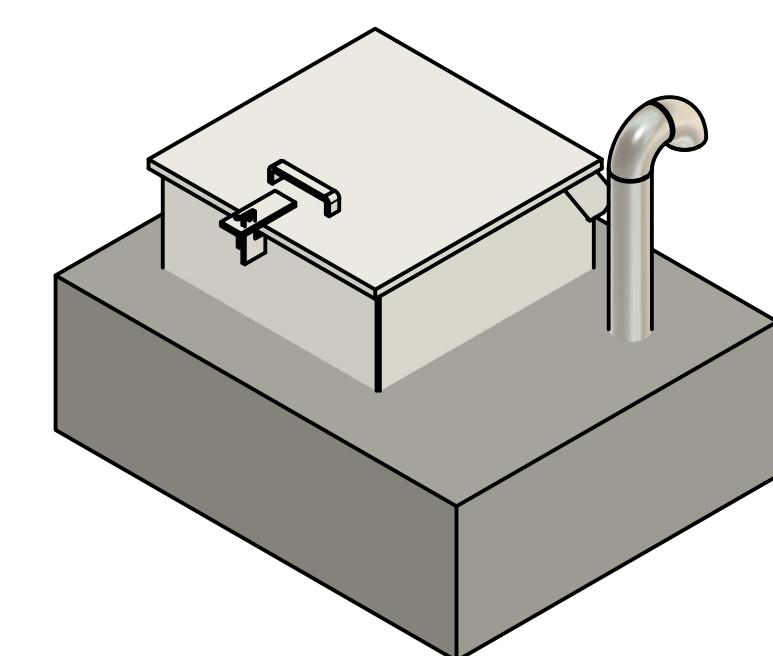
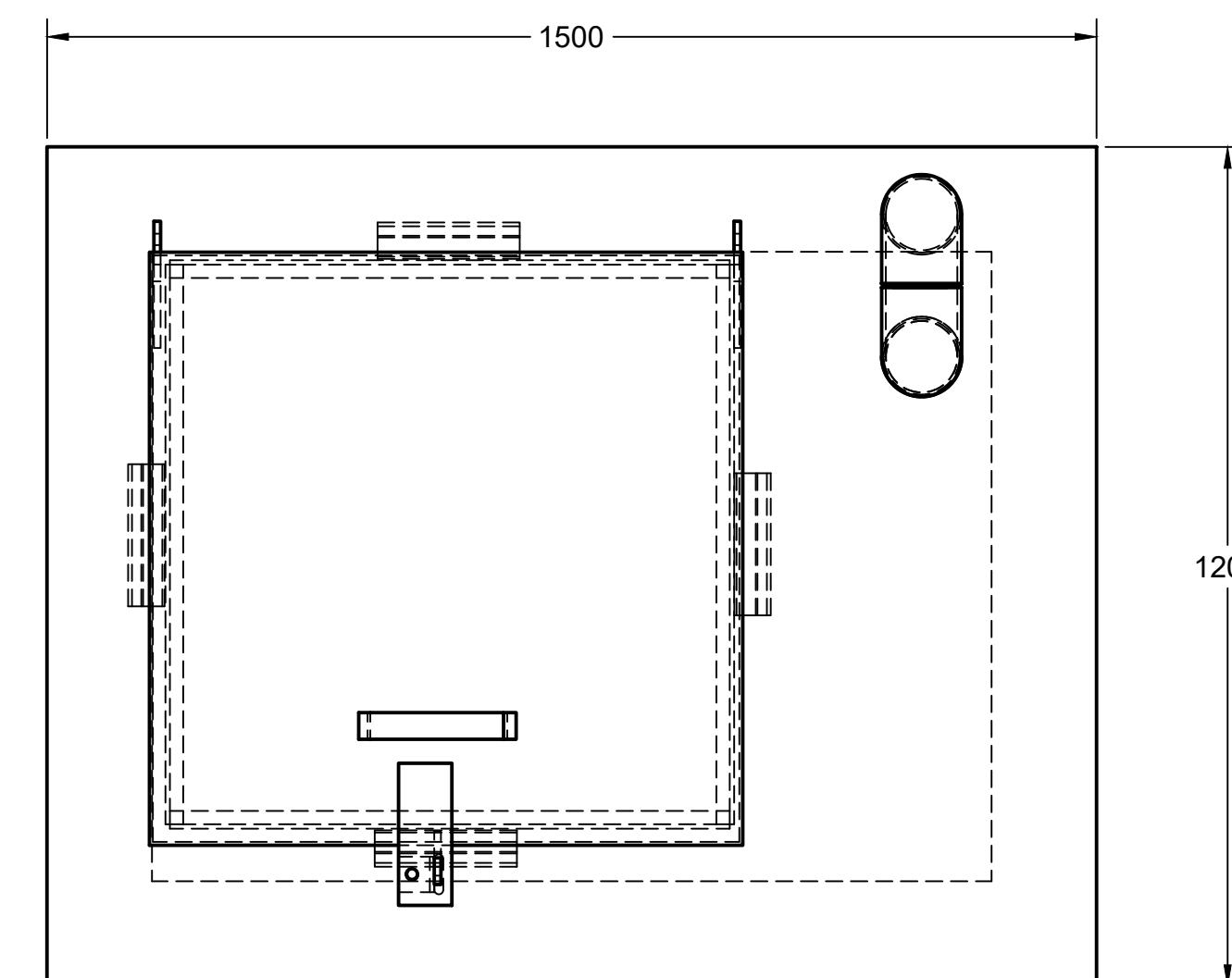
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PROJECT  
**Fire Reservoir - Secondary Tank**

TITLE  
**Sample Riser w Vent**

DRAWN Rob Sanna 2021-01-27 APPROVED

SIZE C DWG NAME REV

SCALE 1:10 WEIGHT SHEET 1/1

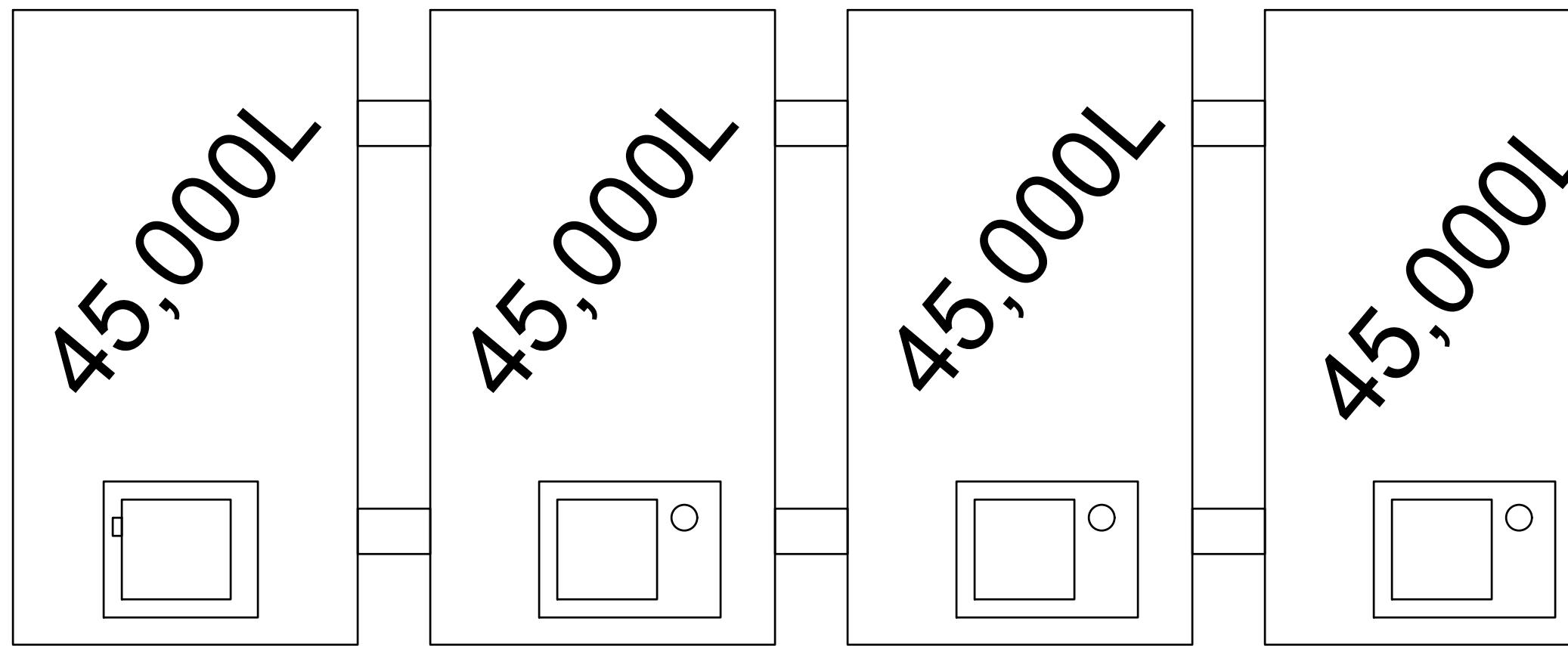
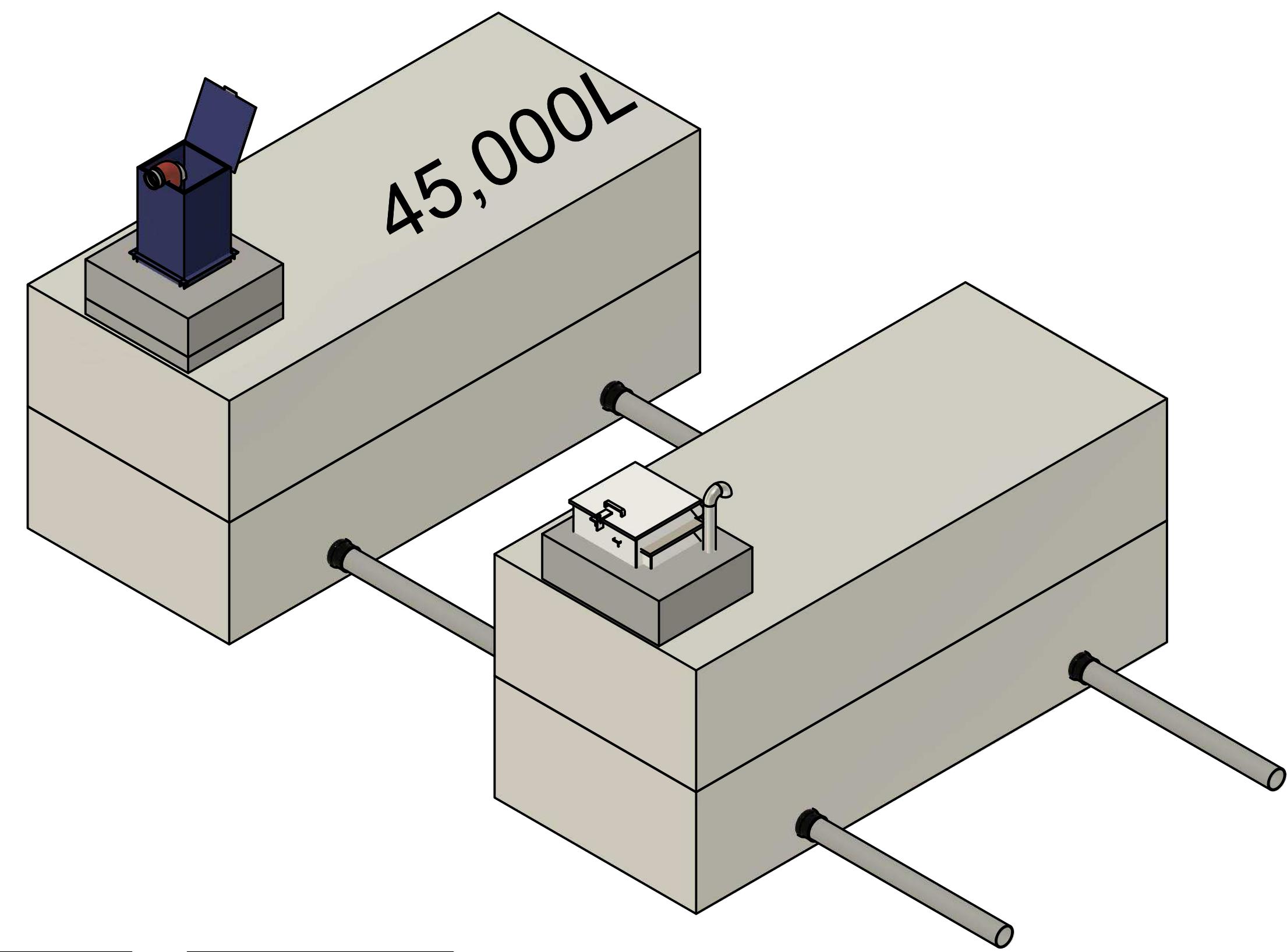
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3

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1

# TYPICAL TANK INTERCONNECTION



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PROJECT		Admin Project	
TITLE		Fire Reservoir - Typical Install	
<hr/>			
DRAWN	Rob Sanna	2/11/21	APPROVED
SIZE	C	DWG NAME	REV
SCALE	1:50	WEIGHT	SHEET 1/1