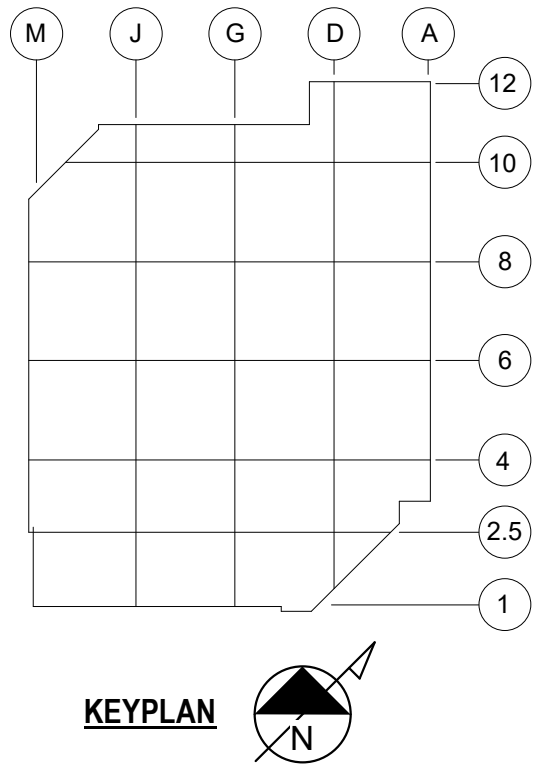


PROJECT LOCATION

6701 EVANSTAD DR N
MAPLE GROVE, MN 55369

SHEET NOTES

1. AUTOMATED CHANGEOVER SYSTEM TO DETECT WHEN SOLVENT TOTE IS EMPTY AND SWITCH TO THE NEXT TOTE AND ALARM TO SWAP OUT.
2. INTERLOCK WITH PUMP TO PREVENT PUMP FROM RUNNING EMPTY.
3. INTERLOCK WITH PUMP TO PREVENT OPERATION WHILE PUMP IS OVERHEATED.
4. FIRE SAFE BALL VALVE.
5. INTERLOCK WITH PUMP TO PREVENT OPERATION ON LOW DOWNSTREAM PRESSURE.
6. ROUTE TO SAFE LOCATION WITHIN 8' ABOVE FINISHED FLOOR.
7. INTERLOCK WITH PUMP TO STOP OPERATION UPON HIGH SUPPLY PRESSURE AT USE POINTS.
8. ALL SOLVENT PIPING MUST HAVE HIGH PRESSURE TRI-CLAMPS
9. SAFETY STOP TO SIGNAL ALL MOTORS/AGITATORS/EQUIPMENT TO GO INTO FAIL STATE.
10. KEYED QUICK CONNECT
11. STAINLESS STEEL HYDRAULIC QUICK CONNECT
12. FOR SOLVENT WASTE TRANSFER FROM SOL01-PU-003 SUCTION LINE.
13. CONNECT FOR VENTING DURING SOLVENT WASTE TRANSFER
14. N/A
15. DRUM TO BE GROUNDED DURING SOLVENT WASTE DISCHARGE.
16. DRAIN TO PORTABLE SOLVENT WASTE CAN.
17. VALVE HAS SPRING RETURN HANDLE AND IS USED FOR DEPRESSURIZING TOTES PRIOR TO REMOVAL.



CLIENT

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CONSULTING ENGINEER

HORWITZ

7400 49th AVENUE NORTH
NEW HOPE, MN 55428
(763) 533-1900
www.horwitzinc.com

PROJECT TITLE

PROJECT KEYSTONE - PHASE 1

REV	BY	DATE	AS RECORDED	DESCRIPTION
1		03/17/23		

LICENSEE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Date 03/17/23 LIC NO

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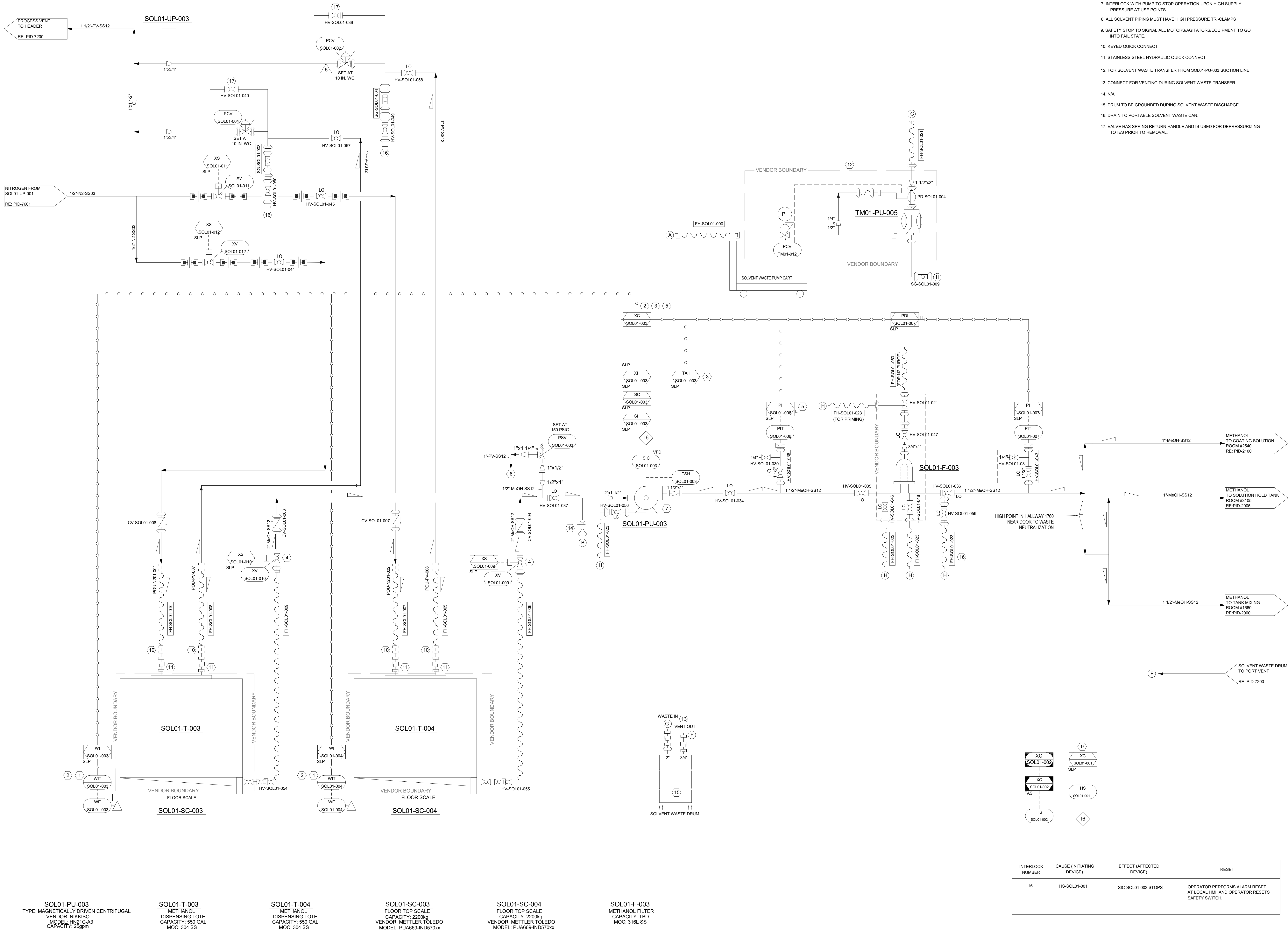
PROJ. NO. 2022.1720	DESIGNED BY: Designer
SCALE: 1/2" = 1'-0"	CHECKED BY: Checker
SHEET SIZE: 30x42	APPROVED BY: Approver

DRAWING TITLE

METHANOL DISPENSING/STORAGE ROOM 1510

DRAWING NUMBER

PID-7210



INTERLOCK NUMBER	CAUSE (INITIATING DEVICE)	EFFECT (AFFECTED DEVICE)	RESET
16	HS-SOL01-001	SIC-SOL01-003 STOPS	OPERATOR PERFORMS ALARM RESET AT LOCAL HMI, AND OPERATOR RESETS SAFETY SWITCH.