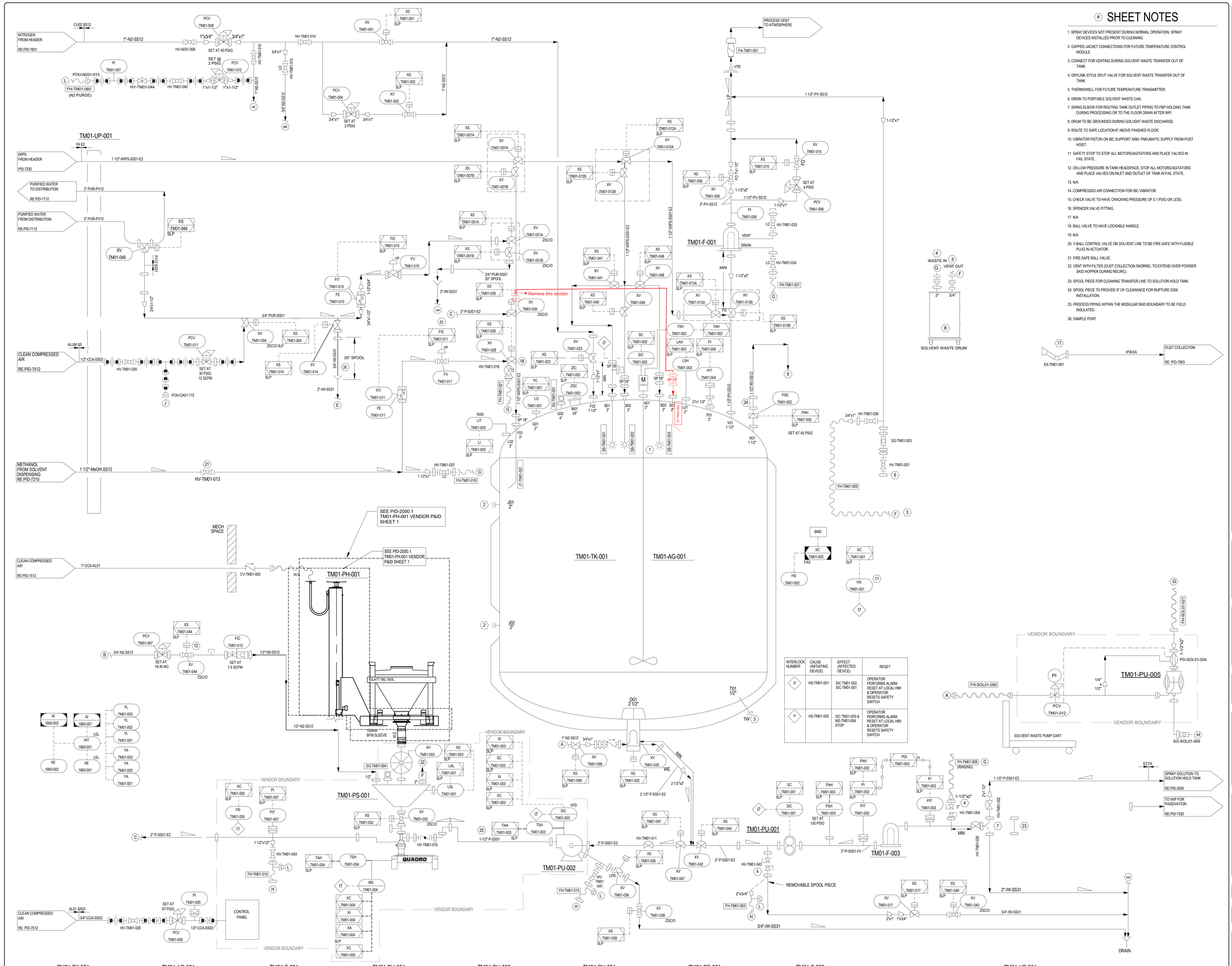


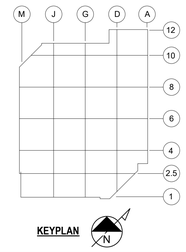
INTERLOCK NUMBER	CAUSE (INITIATING DEVICE)	EFFECT (AFFECTED DEVICE)	RESET
I7	HS-TM01-001	SIC TM01-002, SIC-TM01-001	OPERATOR PERFORMS ALARM RESET AT LOCAL HMI & OPERATOR RESETS SAFETY SWITCH
I1	HS-TM01-005	SIC TM01-003 & MS-TM01-004 STOP	OPERATOR PERFORMS ALARM RESET AT LOCAL HMI & OPERATOR RESETS SAFETY SWITCH

SHEET NOTES

1. SPRAY DEVICES NOT PRESENT DURING NORMAL OPERATION. SPRAY DEVICES INSTALLED PRIOR TO CLEANING.
2. CAPPED JACKET CONNECTIONS FOR FUTURE TEMPERATURE CONTROL MODULE.
3. CONNECT FOR VENTING DURING SOLVENT WASTE TRANSFER OUT OF TANK.
4. DRYLINK STYLE SPLIT VALVE FOR SOLVENT WASTE TRANSFER OUT OF TANK.
5. THERMOWELL FOR FUTURE TEMPERATURE TRANSMITTER.
6. DRAIN TO PORTABLE SOLVENT WASTE CAN.
7. SWING ELBOW FOR ROUTING TANK OUTLET PIPING TO FBP HOLDING TANK DURING PROCESSING OR TO THE FLOOR DRAIN AFTER WIP.
8. DRUM TO BE GROUNDED DURING SOLVENT WASTE DISCHARGE.
9. ROUTE TO SAFE LOCATION 8" ABOVE FINISHED FLOOR.
10. VIBRATOR PISTON ON IBC SUPPORT ARM. PNEUMATIC SUPPLY FROM POST HOIST.
11. SAFETY STOP TO STOP ALL MOTORS/AGITATORS AND PLACE VALVES IN FAIL STATE.
12. ON LOW PRESSURE IN TANK HEADSPACE, STOP ALL MOTORS/AGITATORS AND PLACE VALVES ON INLET AND OUTLET OF TANK IN FAIL STATE.
13. N/A
14. COMPRESSED AIR CONNECTION FOR IBC VIBRATOR.
15. CHECK VALVE TO HAVE CRACKING PRESSURE OF 0.1 PSIG OR LESS.
16. SPENCER VALVE FITTING.
17. N/A
18. BALL VALVE TO HAVE LOCKABLE HANDLE.
19. N/A
20. V-BALL CONTROL VALVE ON SOLVENT LINE TO BE FIRE-SAFE WITH FUSIBLE PLUG IN ACTUATOR.
21. FIRE-SAFE BALL VALVE.
22. VENT WITH FILTER (DUST COLLECTION SNORKEL TO EXTEND OVER POWDER SKID HOPPER DURING RECIRC).
23. SPOOL PIECE FOR CLEANING TRANSFER LINE TO SOLUTION HOLD TANK.
24. SPOOL PIECE TO PROVIDE 6" OF CLEARANCE FOR RUPTURE DISK INSTALLATION.
25. PROCESS PIPING WITHIN THE MODULAR SKID BOUNDARY TO BE FIELD INSULATED.
26. SAMPLE PORT.

PROJECT LOCATION

6701 EVANSTAD DR N
MAPLE GROVE, MN 55369



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NEW HOPE, MN 55428
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www.horwitzinc.com

PROJECT TITLE

PROJECT KEYSTONE - PHASE 1

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

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:	12" = 1'-0"	CHECKED BY:	Checker
SHEET SIZE:	30x42	APPROVED BY:	Approver

DRAWING TITLE

TANK MIXING ROOM 1660

DRAWING NUMBER

PID-2000

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