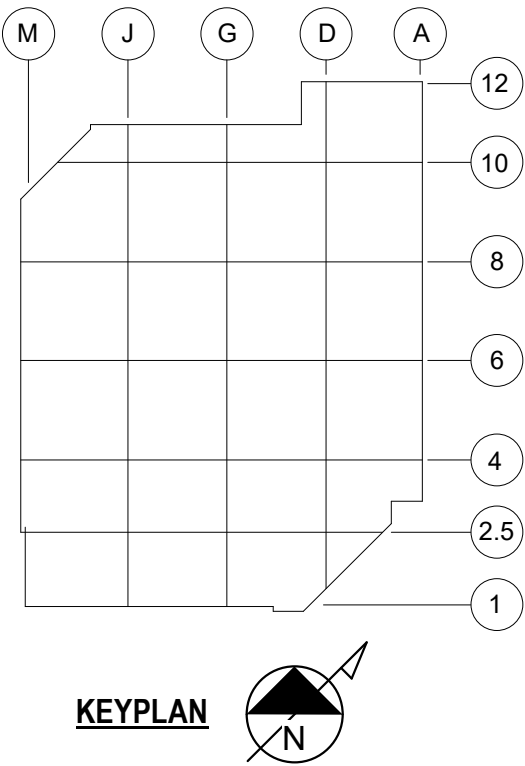


PROJECT LOCATION

6701 EVANSTAD DR N
MAPLE GROVE, MN 55369



CLIENT

UPSHER-SMITH

Partners in Health Since 1919

CONSULTING ENGINEER

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

PROJECT TITLE

PROJECT KEystone - PHASE 1

REV	BY	DATE	DESCRIPTION
A	17DEC21	FOR RECORD	
0	RS	05/25/22	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 05/25/22 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

REGENERATIVE THERMAL OXIDIZER
VENDOR P&ID SHEET 1

DRAWING NUMBER

PID-7802.1

ANALOG INPUT

ANALOG OUTPUT

DIGITAL OUTPUT

DIGITAL INPUT

SAFETY INTERLOCK

PRESSURE TRANSMITTER

SAFETY VALVE

TEMP RECORDER

SOLENOID VALVE (AIR OR ELECTRIC)

FLOW CONTROL VALVE

FULL OPEN LIMIT SWITCH

FULL CLOSED LIMIT SWITCH

VARIABLE FREQUENCY DRIVE

MOTOR STARTER

ELECTRIC ACTUATOR

DIFF PRESS INDICATING XMITTER

DIFFERENTIAL PRESSURE SWITCH (LOW/HIGH)

PRESSURE SWITCH (LOW/HIGH)

TEMPERATURE ELEMENT

4 WAY PNEUMATIC SOLENOID

PRESSURE INDICATOR

AC MOTOR

MANUAL DAMPER

UV SCANNER

IGNITOR

PNEUMATIC REGULATOR

FLOW CONTROL

FLAME SAFEGUARD

PRESSURE CONTROL VALVE

ANALOG MOTOR

3 WAY PNEUMATIC SOLENOID

BUTTERFLY VALVE

FLOW ORIFICE

TEMPERATURE SWITCH (LOW/HIGH)

VENDOR DRAWING NO.	REV	SHEET	MANUFACTURER
PID-003	2020/10/02	1 OF 3	CECO ENVIRONMENTAL