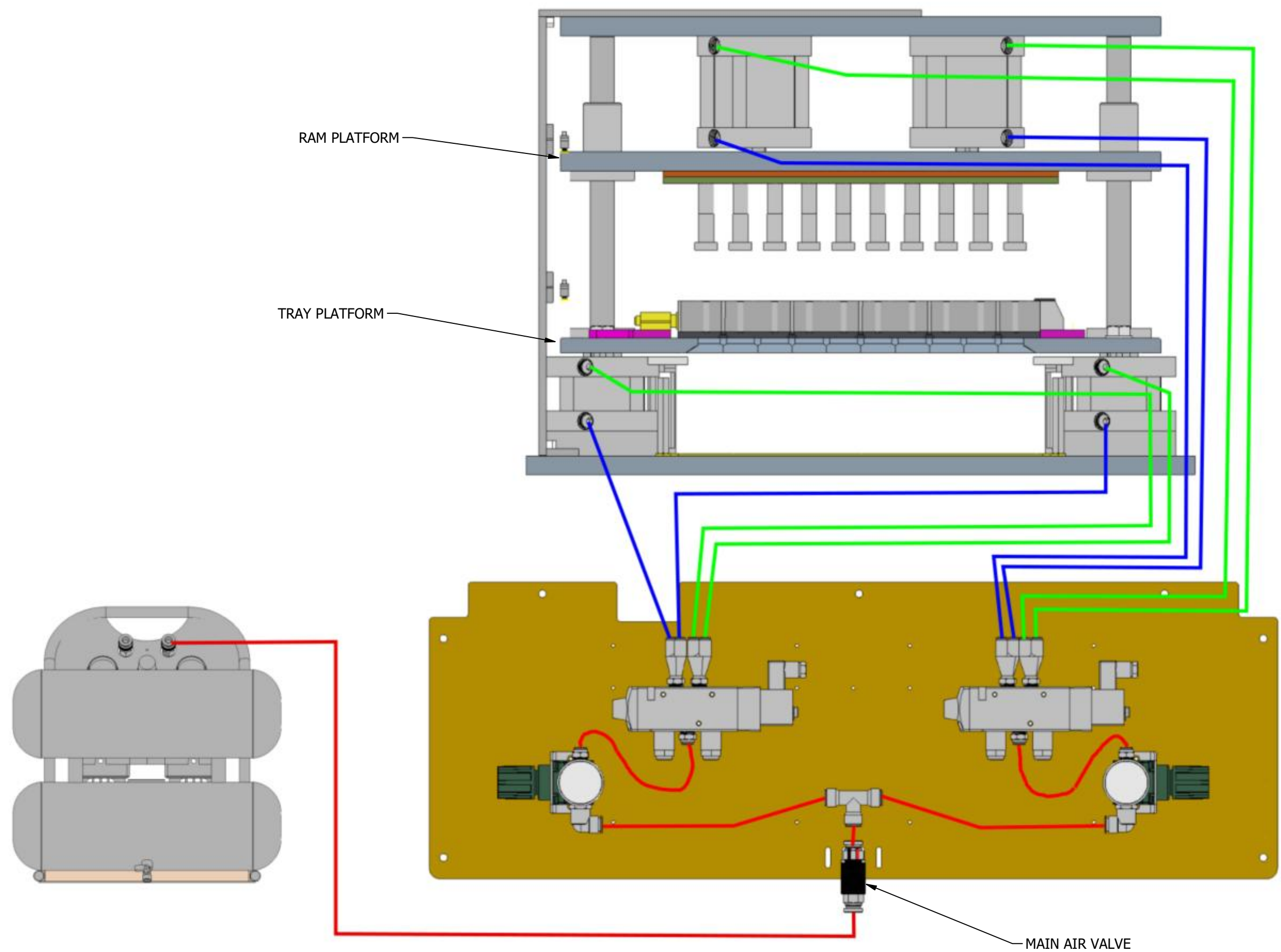


REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	INITIAL RELEASE	2023-03-29	HHMI\\arnoldj



FLUGGER MAJOR PNEUMATIC COMPONENTS:

Air Compressor: California Air Tools 4610ALFC
Ram and Tray Solenoid Valves: Norgren V61R517A-A213JB (McMaster-Carr 6124K278)
Main Air Solenoid Valve: Beduan KI04030
Air Cylinders: McMaster Carr 4208K224 / 4208K217
Regulators set to 65 psi

Air compressor engaged when tank pressure drops below 90psi
Main Air Valve energized allowing air flow for operation when door is closed
Red lines: line pressure
Blue lines: NO valve positions, both platforms raised as default
Green lines: NC valve positions, when valves are energized, platform lowered

NOTICE:
INFORMATION CONTAINED IN THIS DOCUMENT OR ANY REPRODUCTION THEREOF, IS PROPRIETARY INFORMATION AND PROPERTY OF HOWARD HUGHES MEDICAL INSTITUTE. IT SHALL NOT BE DISCLOSED, COPIED, DUPLICATED OR USED FOR MANUFACTURE, PRODUCTION OR PROCUREMENT, WITHOUT THE EXPRESS WRITTEN PERMISSION OF HOWARD HUGHES MEDICAL INSTITUTE.

(UNLESS SPECIFIED OTHERWISE)
PRIMARY UNITS: INCHES
[SECONDARY UNITS]: MILLIMETERS
PRIMARY TOLERANCES:
X.X ± 0.020
X.XX ± 0.010
X.XXX ± 0.005
X.XXXX ± 0.0005
ANGULAR ± 0.5 DEG
- DO NOT SCALE DRAWING -
THIRD ANGLE PROJECTION:

Howard Hughes Medical Institute

janelia Research Campus

FLUGGER VIAL PRESS PNEUMATIC SCHEMATIC

SIZE C	PART NUMBER J010489	REV -	SHEET 1 OF 1
-----------	------------------------	----------	-----------------