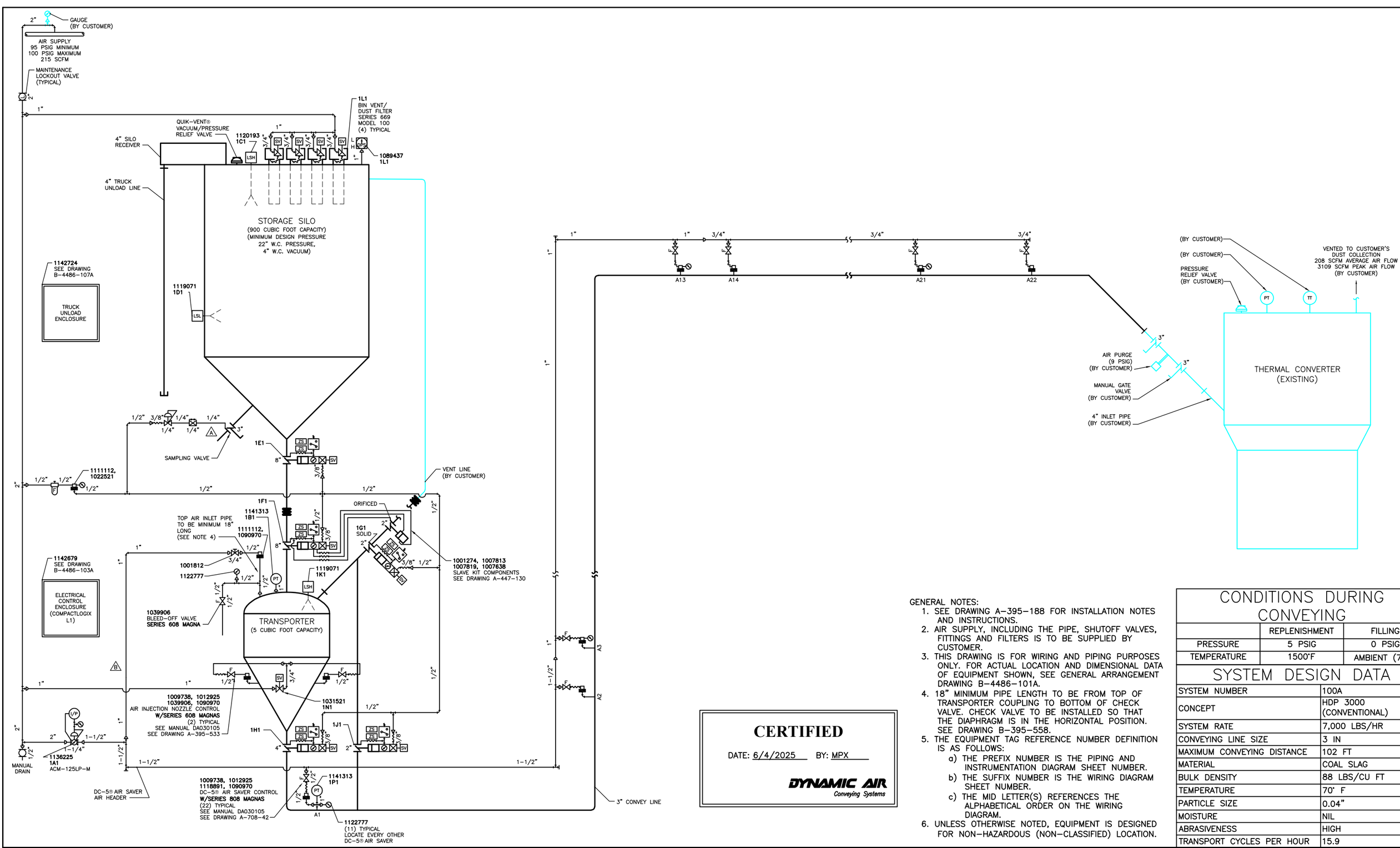

GENERAL NOTES:

1. SEE DRAWING A-395-188 FOR INSTALLATION NOTES AND INSTRUCTIONS.
2. AIR SUPPLY, INCLUDING THE PIPE, SHUTOFF VALVES, FITTINGS AND FILTERS IS TO BE SUPPLIED BY CUSTOMER.
3. THIS DRAWING IS FOR WIRING AND PIPING PURPOSES ONLY. FOR ACTUAL LOCATION AND DIMENSIONAL DATA OF EQUIPMENT SHOWN, SEE GENERAL ARRANGEMENT DRAWING B-4486-101A.
4. 18" MINIMUM PIPE LENGTH TO BE FROM TOP OF TRANSPORTER COUPLING TO BOTTOM OF CHECK VALVE. CHECK VALVE TO BE INSTALLED SO THAT THE DIAPHRAGM IS IN THE HORIZONTAL POSITION. SEE DRAWING B-395-558.
5. THE EQUIPMENT TAG REFERENCE NUMBER DEFINITION IS AS FOLLOWS:
   a) THE PREFIX NUMBER IS THE PIPING AND INSTRUMENTATION DIAGRAM SHEET NUMBER.
   b) THE SUFFIX NUMBER IS THE WIRING DIAGRAM SHEET NUMBER.
   c) THE MID LETTER(S) REFERENCES THE ALPHABETICAL ORDER ON THE WIRING DIAGRAM.
6. UNLESS OTHERWISE NOTED, EQUIPMENT IS DESIGNED FOR NON-HAZARDOUS (NON-CLASSIFIED) LOCATION.

CERTIFIED

DATE: 6/4/2025 BY: MPX

DYNAMIC AIR
Conveying Systems

CONDITIONS DURING CONVEYING

	REPLENISHMENT	FILLING
PRESSURE	5 PSIG	0 PSIG
TEMPERATURE	1500°F	AMBIENT (70°F)

SYSTEM DESIGN DATA

SYSTEM NUMBER	100A
CONCEPT	HDP 3000 (CONVENTIONAL)
SYSTEM RATE	7,000 LBS/HR
CONVEYING LINE SIZE	3 IN
MAXIMUM CONVEYING DISTANCE	102 FT
MATERIAL	COAL SLAG
BULK DENSITY	88 LBS/CU FT
TEMPERATURE	70° F
PARTICLE SIZE	0.04"
MOISTURE	NIL
ABRASIVENESS	HIGH
TRANSPORT CYCLES PER HOUR	15.9

BY CLT | DATE 11/01/24 | SCALE NONE
GEN. JSO, MDC, GJS | ENGR. MPX | CK.

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NO.	DATE	MICRO	REVISION NOTE	APPRVD	BY
B	05/30/25		REMOVED PRE-PRESSURIZATION SOLENOID VALVE (USING AIR INJECTION SOLENOID).	MPX	CLT
A	03/24/25		ADDED SAMPLING VALVE. ADDED ITEM NUMBERS.	JSO, MPX	CLT

THIS DRAWING REPLACES: | THIS DRAWING REPLACED BY:

PIPING & INSTRUMENTATION DIAGRAM
1-STATION
SYSTEM 100A
METROPOLITAN SEWERAGE DISTRICT
ASHEVILLE, NC
P.O.# 68862

DYNAMIC AIR
Conveying Systems
SAINT PAUL, MINNESOTA U.S.A.

SHEET 1 OF 1 | DRAWING NO. B-4486-104A | REV. B