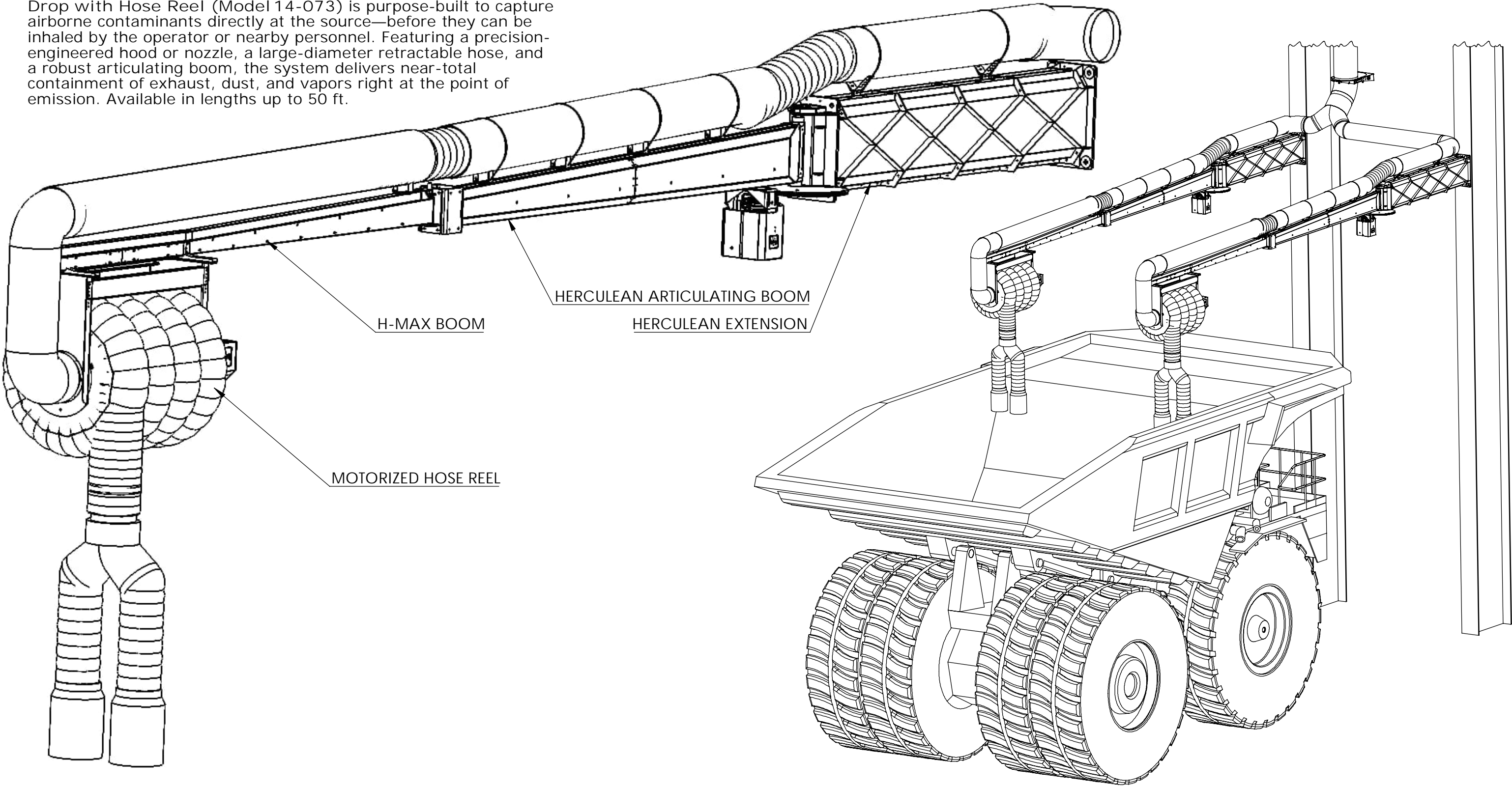


PATRIOT HERCULEAN + H MAX SERIES ARTICULATING CRANE  
DROP WITH HOSE REEL - Ø 8"/10"/12"/14"

The Patriot Herculean + H MAX Series Articulating Crane Drop with Hose Reel (Model 14-073) is purpose-built to capture airborne contaminants directly at the source—before they can be inhaled by the operator or nearby personnel. Featuring a precision-engineered hood or nozzle, a large-diameter retractable hose, and a robust articulating boom, the system delivers near-total containment of exhaust, dust, and vapors right at the point of emission. Available in lengths up to 50 ft.



CUSTOMER PO:  
CUSTOMER:  
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ENGINEER:  
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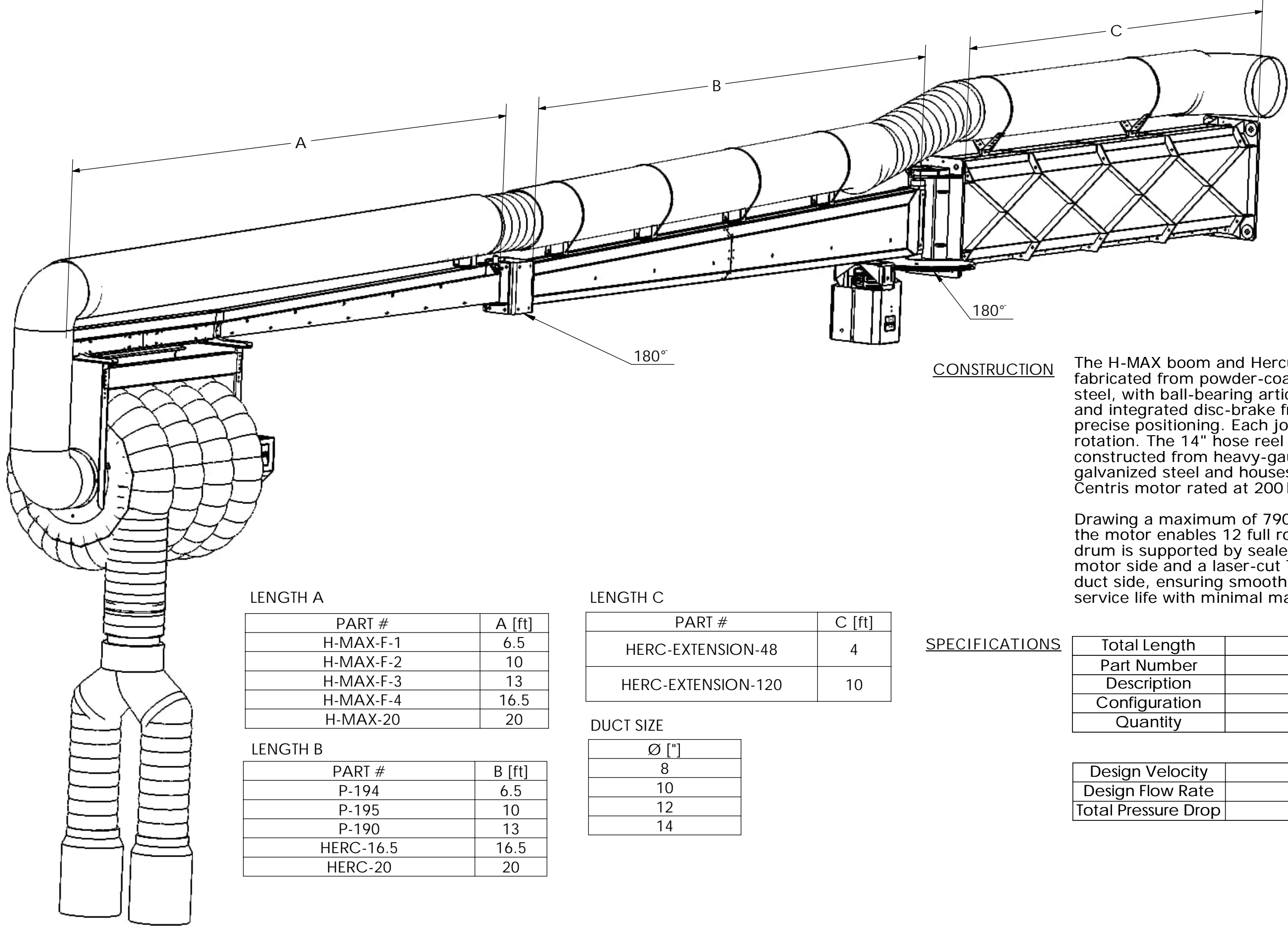


| COLOUR LEGEND |                              |
|---------------|------------------------------|
| COLOUR        | MEANING                      |
| Red           | Part number                  |
| Blue          | Part description             |
| Green         | Installation by others       |
| Orange        | Optional product in assembly |

The device depicted and described hereon embodies proprietary information owned by the manufacturer. All Design, manufacturing, reproduction, sales and patent rights regarding this device or drawing reserved except where explicit right is guaranteed in writing. We reserve the right to make design changes.

Drawn By: Joseph McConkey  
Date: 2025-07-29  
Scale: NTS  
  
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Patriot Herculean + H-Max  
Crane Drop with Hose Reel  
Specification Drawing  
  
Drawing No: R0  
Sheet: 1 / 4  
  
File Name: (14-073)-SD



CONSTRUCTION

The H-MAX boom and Herculian Boom are fabricated from powder-coated and galvanized steel, with ball-bearing articulation at each pivot and integrated disc-brake friction locks for precise positioning. Each joint provides 180° rotation. The 14" hose reel assembly is constructed from heavy-gauge (10–18 ga) galvanized steel and houses a high-torque 120V Centris motor rated at 200 N·m.

Drawing a maximum of 790 Watts at 6.6 amps, the motor enables 12 full rotations of hose. The drum is supported by sealed bearings on the motor side and a laser-cut Teflon bearing on the duct side, ensuring smooth retraction and long service life with minimal maintenance

SPECIFICATIONS

LENGTH A

| PART #    | A [ft] |
|-----------|--------|
| H-MAX-F-1 | 6.5    |
| H-MAX-F-2 | 10     |
| H-MAX-F-3 | 13     |
| H-MAX-F-4 | 16.5   |
| H-MAX-20  | 20     |

LENGTH B

| PART #    | B [ft] |
|-----------|--------|
| P-194     | 6.5    |
| P-195     | 10     |
| P-190     | 13     |
| HERC-16.5 | 16.5   |
| HERC-20   | 20     |

LENGTH C

| PART #             | C [ft] |
|--------------------|--------|
| HERC-EXTENSION-48  | 4      |
| HERC-EXTENSION-120 | 10     |

DUCT SIZE

| Ø ["] |
|-------|
| 8     |
| 10    |
| 12    |
| 14    |

|               |      |
|---------------|------|
| Total Length  | [ft] |
| Part Number   |      |
| Description   |      |
| Configuration |      |
| Quantity      |      |

|                     |       |
|---------------------|-------|
| Design Velocity     | [FPM] |
| Design Flow Rate    | [CFM] |
| Total Pressure Drop | [in]  |

CUSTOMER PO:

CUSTOMER:

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ENGINEER:

SALES REP:

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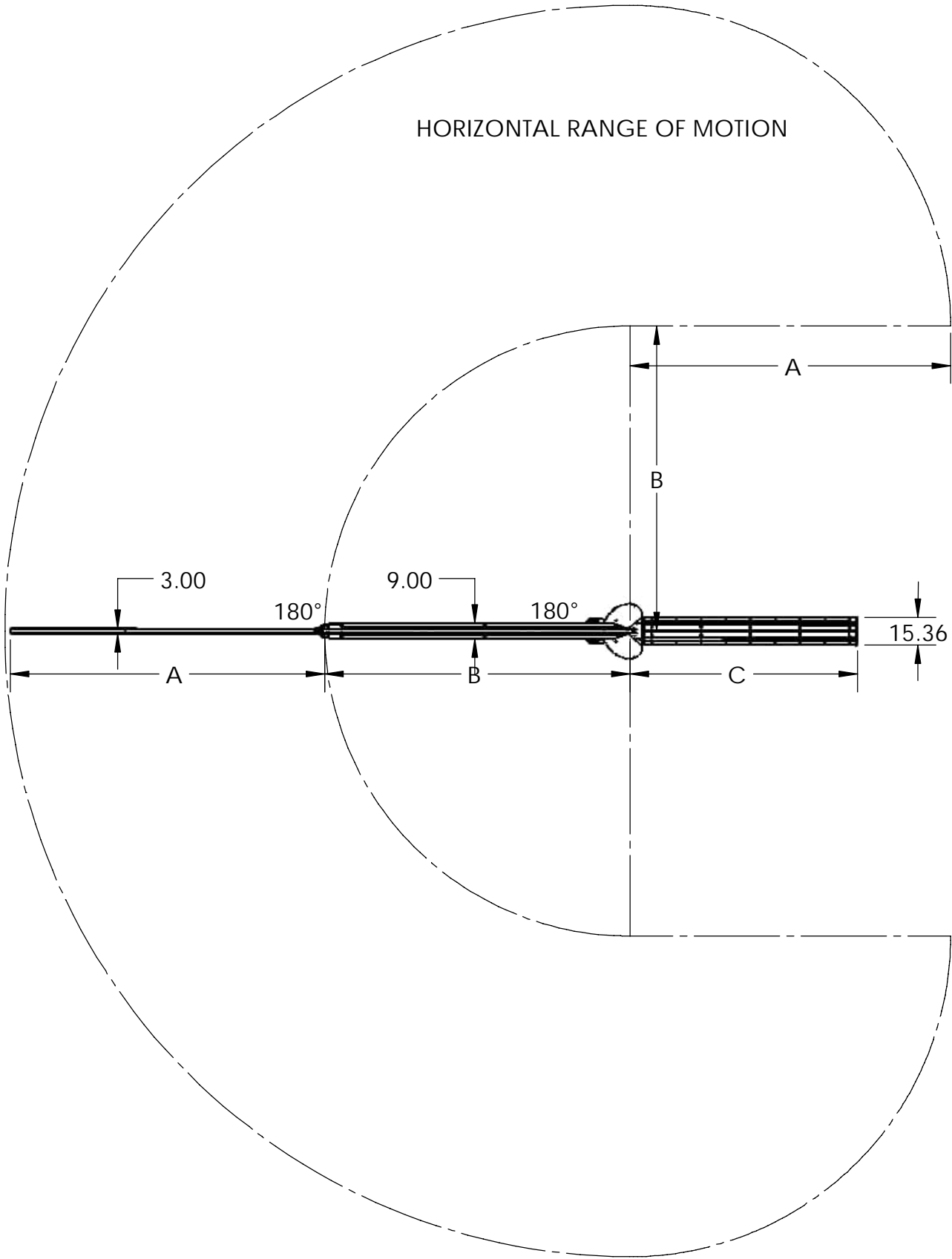
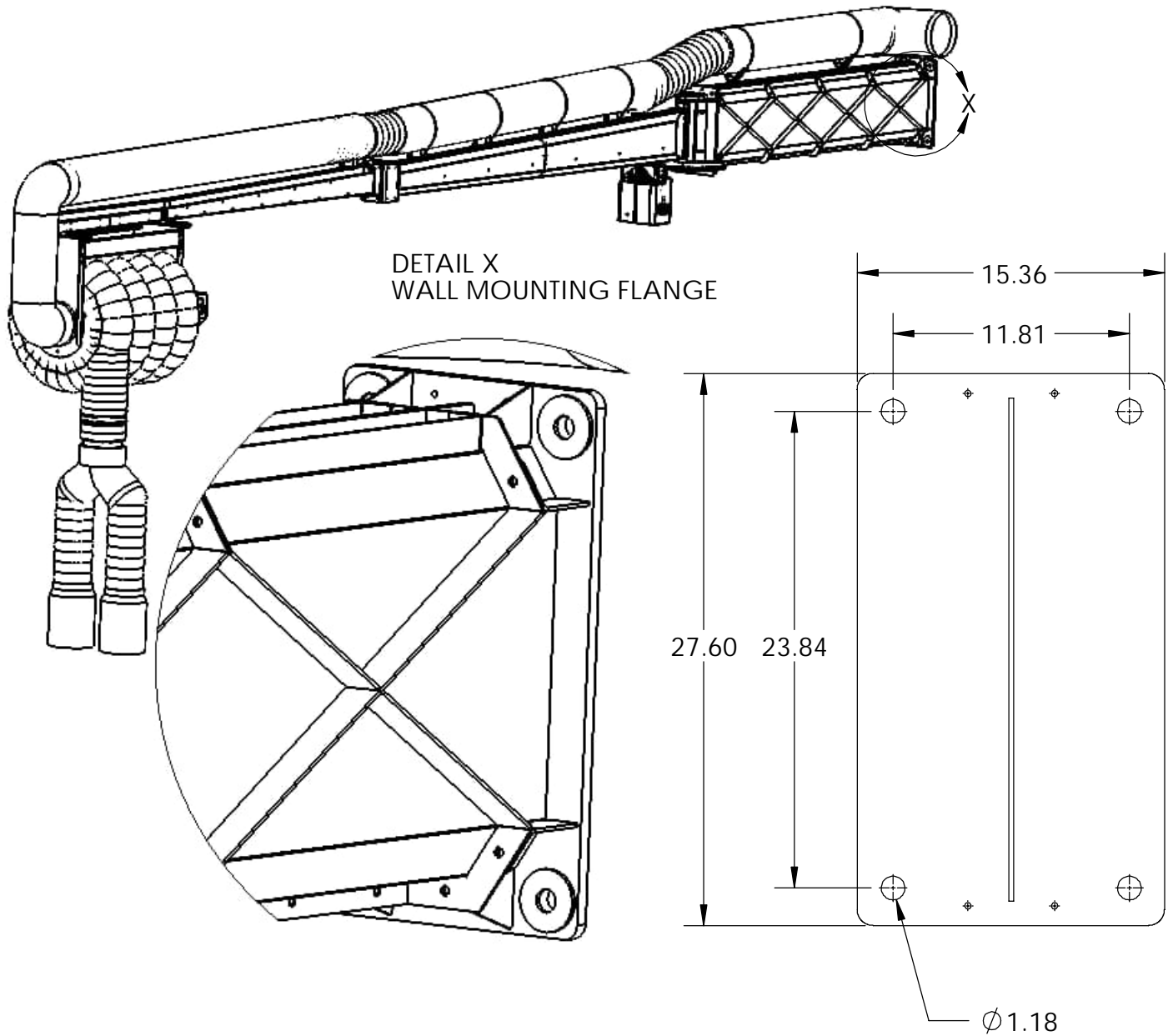
Patriot Herculean + H-Max  
Crane Drop with Hose Reel  
Specification Drawing

Drawing No: R0

Sheet: 2 / 4

File Name: (14-073)-SD





CUSTOMER PO:  
CUSTOMER:  
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| COLOUR LEGEND |                              |
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Crane Drop with Hose Reel  
Specification Drawing  
Drawing No: R0  
Sheet: 3 / 4  
File Name: (14-073)-SD

PRESSURE DROP CURVES AT FIXED DUCT SIZES

