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|---------------------------|-----------------------|------------------------------|----------------------------|-----------------------|--|---|---------------------------|---------------------------|-----------|----------------------|------|
| GENERAL | 1 | Job No | | | 24852 | | | | | | |
| | 2 | Project Name | | | PCAPP | | | | | | |
| | 3 | Tag number | | | EE-J07 -XT 3335--- | | | | | | |
| | 4 | Service | | | APB-126 Toxic Maintenance Area A - NE Corner | | | | | | |
| | 5 | Room number | P&ID | APB-126 | n/a | | | | | | |
| | 6 | Hazardous area class | Ignition temp ident number | Non-classified | n/a | | | | | | |
| | 7 | Agent Contamination Category | | | A | | | | | | |
| | 8 | Ambient temperature Min | Max | 65 | 85 | | | | | | |
| | 9 | Camera/Positioner mounts | Design Life | Required | 5 Years | | | | | | |
| | 10 | Cable harness | Connection box | Required | Required | | | | | | |
| LOCATION | 11 | Drawing | Mounting detail | 24852-JD-J07-J0024 | | * | | | | | |
| | 12 | Mechanical interface | Mechanical interface ID no | * | | * | | | | | |
| | 13 | Electrical interface | Electrical interface ID no | * | | 8 | | | | | |
| | 14 | Elevation | Column number | Gridline | Facing | later | | | | | |
| ENVIRONMENT CONDITIONS | 15 | DESIGN CONDITIONS | | | Units | Minimum | Maximum | | | | |
| | 16 | Design pressure | | | inHg-a | 28 | 32 | | | | |
| | 17 | Design temperature | | | °F | 65 | 85 | | | | |
| | 18 | Relative humidity | | | % | 5 | 85 | | | | |
| | 19 | Illumination level | | | lux | 4 | 2000 | | | | |
| | 20 | Wind Velocity | | | N/A | N/A | N/A | | | | |
| | 21 | Chemical Contaminants | | | Agent | | | | | | |
| | 22 | Lighting type | Vibration | later | | | | | | | |
| | HOUSING | 23 | Housing type | Indoor pressureized | | CAMERA MODULE | 57 | Video type | color | | |
| | | 24 | Construction style | | | | 58 | Color output style | composite | | |
| 25 | | Purge connections | N/A | | 59 | | Analog video format | NTSC | | | |
| 26 | | Enclosure protection | NEMA 4X | | 60 | | Video output signal | 1 V p-p | | | |
| 27 | | Mounting type | Later | | 61 | | Digital communication | RS 422 * | | | |
| 28 | | Housing material | Stainless Steel | | 62 | | Synchronization source | * | | | |
| 29 | | Composite cable connect. | * | | 63 | | Signal termination type | BNC receptacle | | | |
| 30 | | Purge/Cooling connect. | N/A | | 64 | | Frame rate control | N/A | | | |
| 31 | | Window washer/wiper | No | | 65 | Nominal power | Load | 60w | | | |
| 32 | | Cooling Media/Rate | N/A | | 66 | Cert/Approv. type | Identifier | Required | | | |
| 33 | | Heater power | Load | N/A | N/A | 67 | Field Enclosure No. | | | | |
| 34 | | Blower power | Load | N/A | N/A | 68 | Pan/Tilt control | | | | |
| 35 | | Thermostat | No | | POSITIONING MECHANISM | 69 | Pan rotation positive | Neg | deg | deg | |
| 36 | | Sun shield | No | | | 70 | Pan speed | * | | | |
| 37 | | View format/type | zoom | | | 71 | Tilt rotation up | Down | deg | | |
| 38 | | Imager type | Size | CCD | | 1/2" | 72 | Tilt speed | * | | |
| OPTICS | 39 | Lens optical format | 1/2 " * | | 73 | Nominal power | Load | 60w | | | |
| | 40 | Aperature control | auto & rem/manual | | 74 | Signal termination type | quick-release connector | | | | |
| | 41 | Aperature range (f-stop) | * | | 75 | Max torque output | * | | | | |
| | 42 | Shutter speed control | Automatic | | 76 | Limit Switches | Brake | Yes | Yes | | |
| | 43 | Lens mounting type | * | | 77 | Min working temp | Max | 65 °F | 85 °F | | |
| | 44 | Focus control | auto & rem/manual | | 78 | Shock rating | * g's | | | | |
| | 45 | Focal length wide | Narrow | * | * | 79 | Horizontal resolution | 470 TVL | | | |
| | 46 | Field Range | Depth | | | 80 | Signal impedance | 75 Ohm | | | |
| | 47 | Field Height | Width | | | 81 | Min signal-to-noise ratio | 48 | dB | | |
| | 48 | View angle | * deg | | 82 | Min light sensitivity | 4 | Lux | | | |
| | 49 | FOV wide angle | Narrow | * deg | * deg | 83 | Overall geometric dist | * % | | | |
| | 50 | Optical filters | * | | 84 | Max reqd cooling flow | N/A | N/A | | | |
| | 51 | Zoom control | remote | | 85 | Max frame rate | 30 | frames/s | | | |
| | 52 | Zoom magnification | 0.6X to 10X | | 86 | Shutter speed low | High | * | * | | |
| | AUXILIARY LIGHTING | 53 | Lens window material | * | | PURCHASE | 87 | MR No. | Item No. | 24852-MRA-EECO-J0001 | 4.35 |
| | | 54 | Lighting type | * | | * Seller to complete or verify information. | | | | | |
| 55 | | Lighting control | * | | See notes | | | | | | |
| 56 | | Nominal Power | Load | * | | | | | | | |
| 91 | Component type | | Manufacturer | | Model number | | | | | | |
| 92 | Camera & Positioner | | * | | * | | | | | | |
| 93 | Lens | | * | | * | | | | | | |
| 94 | Housing | | * | | * | | | | | | |
| | | | | INSTRUMENT DATA SHEET | | | | Bechtel Pueblo Team | | | |
| | | | | CCTV Camera | | | | | | | |
| A | ACW | - 5/4/06 | | Issued for Use | | Quality Level: Non-Q | | Sheet 1 of 2 | | | |
| No | By | Chk | Appr | Date | Description | Code: 37021 DS No:24852-RD-JDD-J07-J0335 | | Rev: A | | | |

- 1) This camera does not perform security Functions
- 2) Surge protection shall be provided on any power lines, video lines, sync lines, and control signal lines.
- 3) Bidder to include with proposal the list of Fluoropolymers (Teflon, Viton, Kynar) proposed in agent category A or B areas per specification 24852-RD-3PS-000-T0002, paragraph 4, next to last bullet

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|-----|----|--------|---|--------------|----------------------------------|---------|
| | | | INSTRUMENT SPECIFICATION CCTV Camera | | Bechtel Pueblo Team | |
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| A | GC | 5/2/06 | Issued for Use | Sheet 2 of 2 | | |
| No. | By | Date | Revision | Code:37021 | Dwg. No.: 24852-RD-JDD-J07-J0335 | Rev.: A |