

SYSTEM INPUTS

CONTROL UNIT ACTIVATION

NOTIFICATION

REQUIRED FIRE SAFETY CONTROL

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| 1 MANUAL FIRE ALARM PULL STATION | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | ● | ● | | | |
| 2 AREA SMOKE DETECTOR | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | ● | ● | | |
| 3 AREA HEAT DETECTOR | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | ● | ● | |
| 4 IN-DUCT SMOKE DETECTOR | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | ● | ● | |
| 5 SPRINKLER WATERFLOW | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | ● | ● | |
| 6 SPRINKLER CONTROL VALVE | | | ● | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 7 FIRE ALARM AC POWER FAILURE | | | | ● | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 8 FIRE ALARM SYSTEM LOW BATTERY | | | | | ● | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 9 OPEN CIRCUIT | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 10 GROUND FAULT | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 11 NOTIFICATION APPLIANCE CIRCUIT SHORT | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 12 ELEVATOR LOBBY SMOKE DETECTOR - PRIMARY FLOOR | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 13 ELEVATOR LOBBY SMOKE DETECTOR - ALTERNATE FLOOR | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 14 ELEVATOR SMOKE DETECTOR | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 15 ELEVATOR HEAT DETECTOR | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 16 KITCHEN HOOD FIRE SUPPRESSION SYSTEM DISCHARGE | ● | ● | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 17 FIRE PUMP | | | ● | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 18 HIGHFLOW PRESSURE - DRY PIPE SPRINKLER SYSTEM | | | ● | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |

REVISION 2 DATE: _____

REVISION 1 DATE: _____

REVISION 0 SUBMITTAL DATE: April 13th, 2015

CAUSE AND EFFECT MATRIX

PROJECT NAME: **Maine Medical Center**
Wound Care Addition
 Brighton Avenue
 Portland, ME

SCALE: NTS
 BY: JRS
 CK: BY:

SAVED AS: _____

NORRIS INC
 Prepared for: **Maine Medical Center**
 2827 BROADWAY, So. FURLAND, MAINE