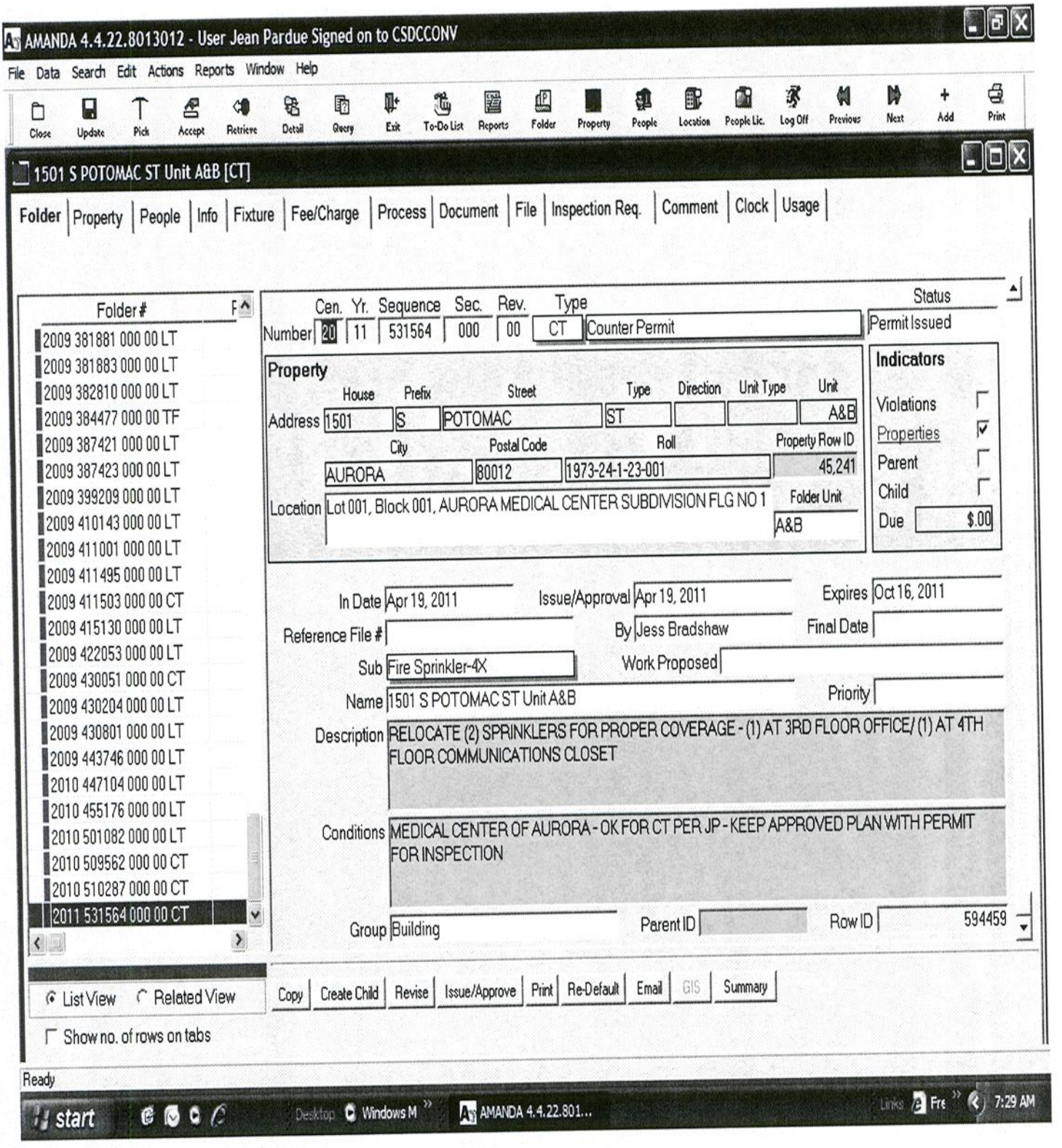
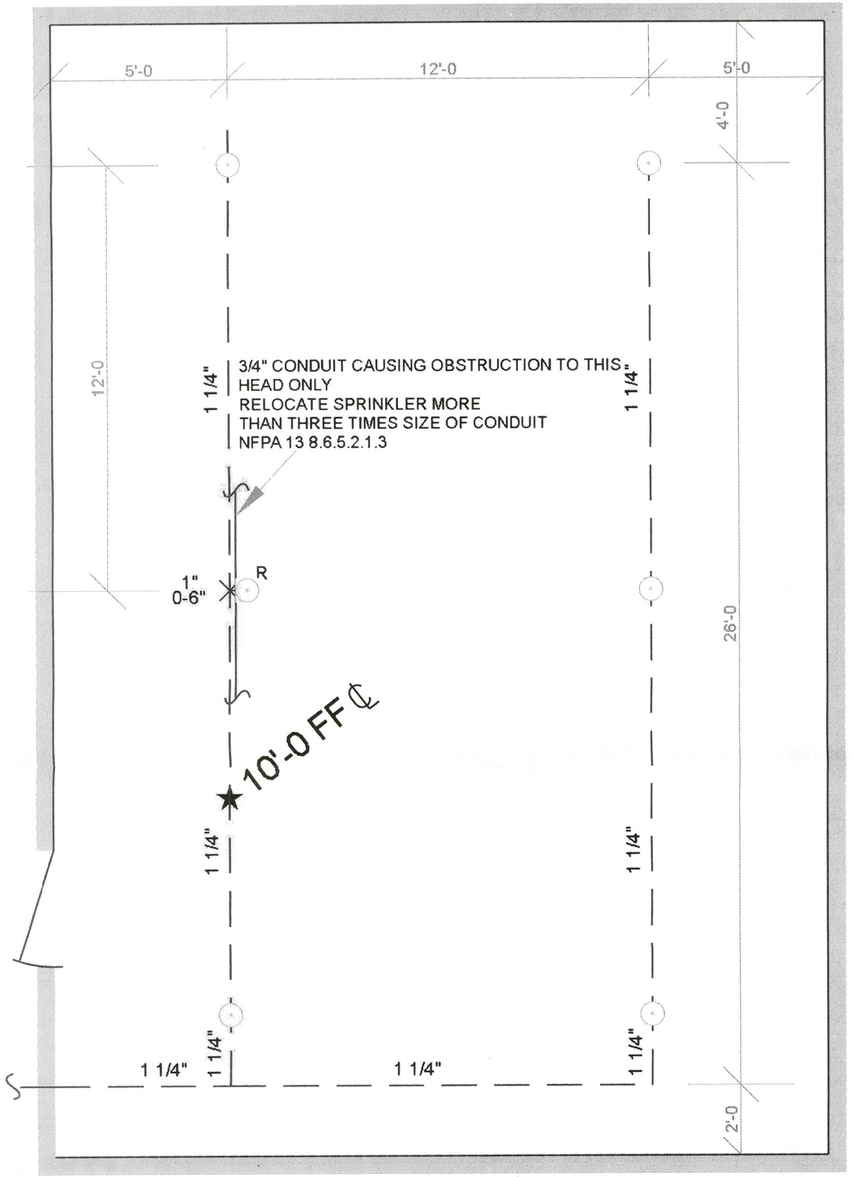
City of Aurora
Building Codes Division
15151 E Alameda Pkwy
Aurora, CO 80012
(303) 739-7420

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AMANDA 4.4.22.8013012 - User Jean Pardue Signed on to CSDCCONV
File Data Search Edit Actions Reports Window Help
Close Update Pick Accept Retrieve Detail Query Exit To-Do List Reports Folder Property People Location People Lic. Log Off Previous Next Add Print
1501 S POTOMAC ST Unit A&B [CT]
Folder Property People Info Fixture Fee/Charge Process Document File Inspection Req. Comment Clock Usage
Folder #
2009 381881 000 00 LT
2009 381883 000 00 LT
2009 382810 000 00 LT
2009 384477 000 00 TF
2009 387421 000 00 LT
2009 387423 000 00 LT
2009 399209 000 00 LT
2009 410143 000 00 LT
2009 411001 000 00 LT
2009 411495 000 00 LT
2009 411503 000 00 CT
2009 415130 000 00 LT
2009 422053 000 00 LT
2009 430051 000 00 CT
2009 430204 000 00 LT
2009 430801 000 00 LT
2009 443746 000 00 LT
2010 447104 000 00 LT
2010 455176 000 00 LT
2010 501082 000 00 LT
2010 509562 000 00 CT
2010 510287 000 00 CT
2011 531564 000 00 CT
Number Cen. 20 Yr. 11 Sequence 531564 Sec. 000 Rev. 00 Type CT Counter Permit
Status Permit Issued
Property
Address House 1501 Prefix S Street POTOMAC Type ST Direction Unit Type Unit A&B
City AURORA Postal Code 80012 Roll 1973-24-1-23-001 Property Row ID 45,241
Location Lot 001, Block 001, AURORA MEDICAL CENTER SUBDIVISION FLG NO 1 Folder Unit A&B
Indicators
Violations
Properties
Parent
Child
Due $.00
In Date Apr 19, 2011
Issue/Approval Apr 19, 2011
Expires Oct 16, 2011
Reference File #
By Jess Bradshaw
Final Date
Sub Fire Sprinkler-4X
Work Proposed
Name 1501 S POTOMAC ST Unit A&B
Priority
Description RELOCATE (2) SPRINKLERS FOR PROPER COVERAGE - (1) AT 3RD FLOOR OFFICE/ (1) AT 4TH FLOOR COMMUNICATIONS CLOSET
Conditions MEDICAL CENTER OF AURORA - OK FOR CT PER JP - KEEP APPROVED PLAN WITH PERMIT FOR INSPECTION
Group Building
Parent ID
Row ID 594459
List View Related View
Copy Create Child Revise Issue/Approve Print Re-Default Email GIS Summary
Show no. of rows on tabs
Ready
start
Desktop Windows M
AMANDA 4.4.22.801...
Links Fre
7:29 AM




# 3RD FLOOR OFFICE SPACE FIRE SPRINKLER MODIFICATION PLAN

1 / SP-100

1/2"= 1'-0"

NORTH

2' 1' ½' 0 1' ½' 2' 4' 8'

## GENERAL NOTES - 3RD FLOOR OFFICE SPACE

1.) THIS PORTION OF THE CONTRACT INCLUDES THE MODIFICATION OF THE EXISTING FIRE SPRINKLER SYSTEM TO RELOCATE 1 EXISTING SPRINKLER HEAD 4" AWAY FROM CURRENT LOCATION TO ALLOW FOR ELECTRICAL CONDUIT. THE AREA OF WORK IS SHOWN ON THE FIRE SPRINKLER MODIFICATION PLAN "1". SIMPLEXGRINNELL IS NOT RESPONSIBLE FOR ANY OF THE EXISTING SPRINKLER SYSTEM OR SPRINKLER COVERAGE IN THE REMAINDER OF THE BUILDING. THE EXISTING SYSTEM WAS NOT DESIGNED OR INSTALLED BY SIMPLEXGRINNELL FIRE PROTECTION.

2.) ALL MATERIALS, DEVICES, AND HANGERS USED ON THIS PROJECT SHALL BE UL LISTED.

3.) ALL NEW INSTALLED PIPING SHALL BE BLACK DYNATHREAD WITH CLASS 125 CAST IRON FITTINGS.

4.) PIPE HANGERS WILL NOT BE UTILIZED IN ACCORDANCE WITH NFPA 13, 2007 EDITION.

5.) SPRINKLERS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION, NFPA 13, 2007 EDITION, AND PER LOCAL AHJ.

6.) THE OWNER SHALL MAINTAIN A CLEARANCE OF 18" BETWEEN THE SPRINKLER DEFLECTOR AND THE TOP OF ANY STORAGE.

7.) REMAINDER OF BUILDING IS SPRINKLERED THROUGHOUT, EXISTING SPRINKLERS AND LOCATIONS TO REMAIN EXCEPT FOR ADDITIONAL SCOPE LISTED ON THIS PAGE.

8.) DECK HEIGHT OF 12-0" AFF. PIPE HEIGHT OF 10-0".

9.) ANY REQUIRED CUTTING, PATCHING AND PAINTING BY OTHERS.

10.) PIPE LENGTHS SHOWN ARE CENTER TO CENTER.

11.) THE OCCUPANCY GROUP FOR ALL AREAS IS LIGHT HAZARD, THE MAXIMUM SPRINKLER SPACING IS 225 FT².

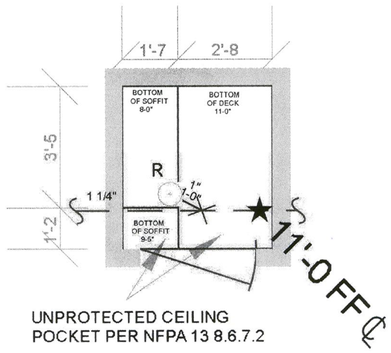
12.) THE EXISTING HYDRAULICALLY CALCULATED SYSTEM WILL NOT BE AFFECTED BY THIS MODIFICATION. NEW INSTALLED PIPING WILL MATCH THE EXISTING HYDRAULICALLY CALCULATED PIPE SCHEDULE (ONE SPRINKLER FED FROM 1" PIPE).

13.) SIMPLEXGRINNELL PERFORMED A SPOT SURVEY OF EXISTING SPRINKLER SYSTEM TO GAIN GENERAL KNOWLEDGE OF SPRINKLER SPACING AND PIPE ROUTING. THIS SURVEY WAS NON-DESTRUCTIVE AND PRODUCED A SCHEMATIC REPRESENTATION OF THE EXISTING SPRINKLER SYSTEM. PIPE SHOWN ON FLOOR PLAN IS SCHEMATIC IN NATURE AND DOES NOT NECESSARILY REFLECT ALL VARIATIONS IN PIPE ROUTING ACROSS THE BUILDING. SIMPLEXGRINNELL IS NOT RESPONSIBLE FOR EXISTING SYSTEMS' COMPLIANCE WITH NFPA 13 AND LOCAL AHJ.

**SPRINKLER DRAWING LEGEND**

- DENOTES EXISTING PIPING
- DENOTES NEW PIPING
- DENOTES EXISTING 1" OUTLET
- R - DENOTES EXISTING HEAD TO BE RELOCATED

INSTALL DEFLECTOR 1" BELOW SOFFIT




UNPROTECTED CEILING POCKET PER NFPA 13 8.6.7.2

# 4TH FLOOR COMM CLOSET FIRE SPRINKLER MODIFICATION PLAN

NORTH

2 / SP-100

1/2"= 1'-0"

2' 1' ½' 0 1' ½' 2' 4' 8'

## GENERAL NOTES - 4TH FLOOR COMM ROOM CLOSET

1.) THIS PORTION OF THE CONTRACT INCLUDES THE MODIFICATION OF THE EXISTING FIRE SPRINKLER SYSTEM TO RELOCATE 1 EXISTING SPRINKLER HEAD AND ADD ONE UPRIGHT SPRINKLER HEAD UNDER THE 8-0" SOFFIT. THE AREA OF WORK IS SHOWN ON THE FIRE SPRINKLER MODIFICATION PLAN "2". SIMPLEXGRINNELL IS NOT RESPONSIBLE FOR ANY OF THE EXISTING SPRINKLER SYSTEM OR SPRINKLER COVERAGE IN THE REMAINDER OF THE BUILDING. THE EXISTING SYSTEM WAS NOT DESIGNED OR INSTALLED BY SIMPLEXGRINNELL FIRE PROTECTION.

2.) ALL MATERIALS, DEVICES, AND HANGERS USED ON THIS PROJECT SHALL BE UL LISTED.

3.) ALL NEW INSTALLED PIPING SHALL BE BLACK DYNATHREAD WITH CLASS 125 CAST IRON FITTINGS.

4.) PIPE HANGERS WILL NOT BE UTILIZED IN ACCORDANCE WITH NFPA 13, 2007 EDITION.

5.) SPRINKLERS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION, NFPA 13, 2007 EDITION, AND PER LOCAL AHJ.

6.) THE OWNER SHALL MAINTAIN A CLEARANCE OF 18" BETWEEN THE SPRINKLER DEFLECTOR AND THE TOP OF ANY STORAGE.

7.) REMAINDER OF BUILDING IS SPRINKLERED THROUGHOUT, EXISTING SPRINKLERS AND LOCATIONS TO REMAIN EXCEPT FOR ADDITIONAL SCOPE LISTED ON THIS PAGE.

8.) DECK HEIGHT OF 11-0" AFF. PIPE HEIGHT OF 10-0".

9.) ANY REQUIRED CUTTING, PATCHING AND PAINTING BY OTHERS.

10.) PIPE LENGTHS SHOWN ARE CENTER TO CENTER.

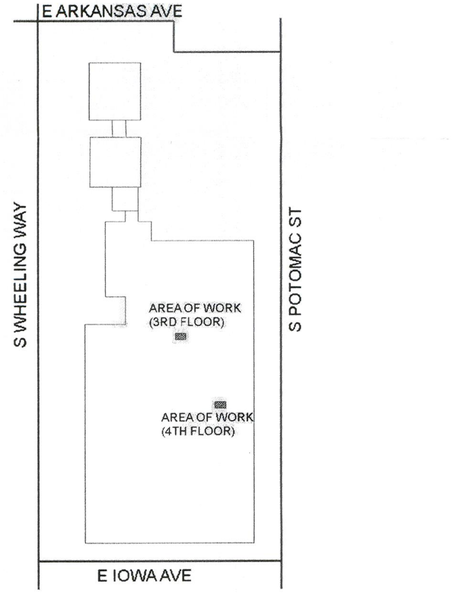
11.) THE OCCUPANCY GROUP FOR ALL AREAS IS ORDINARY HAZARD GROUP II, THE MAXIMUM SPRINKLER SPACING IS 130 FT².

12.) THE EXISTING HYDRAULICALLY CALCULATED SYSTEM WILL NOT BE AFFECTED BY THIS MODIFICATION. NEW INSTALLED PIPING WILL MATCH THE EXISTING HYDRAULICALLY CALCULATED PIPE SCHEDULE (ONE SPRINKLER FED FROM 1" PIPE).

13.) SIMPLEXGRINNELL PERFORMED A SPOT SURVEY OF EXISTING SPRINKLER SYSTEM TO GAIN GENERAL KNOWLEDGE OF SPRINKLER SPACING AND PIPE ROUTING. THIS SURVEY WAS NON-DESTRUCTIVE AND PRODUCED A SCHEMATIC REPRESENTATION OF THE EXISTING SPRINKLER SYSTEM. PIPE SHOWN ON FLOOR PLAN IS SCHEMATIC IN NATURE AND DOES NOT NECESSARILY REFLECT ALL VARIATIONS IN PIPE ROUTING ACROSS THE BUILDING. SIMPLEXGRINNELL IS NOT RESPONSIBLE FOR EXISTING SYSTEMS' COMPLIANCE WITH NFPA 13 AND LOCAL AHJ.

**SPRINKLER DRAWING LEGEND**

- DENOTES EXISTING PIPING
- DENOTES NEW PIPING
- DENOTES EXISTING 1" OUTLET
- R - DENOTES EXISTING HEAD TO BE RELOCATED




# MCOA - SOUTH CAMPUS KEY PLAN

NORTH

2 / SP-100

NOT TO SCALE

Counter JMP
APPROVED
City of Aurora Building Division
4/19/11
NFPA 13(.02)

JASON LAMBERT
NICET LEVEL III
CERTIFICATION #118145
4/15/11

**IMPORTANT**

IN LOCALITIES SUBJECT TO FREEZING CONDITIONS, IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE HEAT THROUGHOUT WET PIPE SPRINKLER SYSTEMS AREAS AND IN ENCLOSURES FOR DRY PIPE DELUGE AND OTHER TYPES OF VALVES CONTROLLING WATER SUPPLIES TO SPRINKLER SYSTEMS.

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PLAN NORTH

CONTRACT RESPONSIBILITIES

| ITEM | RESP. |
|---|---|
| CITY CONNECTION | by OTHERS |
| UNDERGROUND | by OTHERS |
| EXCAVATIONS | by OTHERS |
| BACKFILL | by OTHERS |
| WIRING | by OTHERS |
| PAINTING | by OTHERS |

**SYMBOLS**

CEILING HT. ABOVE REF.; C/L OF PIPE BELOW ROOF; C/L OF PIPE ABOVE REF.; HYDRAULIC REF. POINT; LINE DESIGNATION; MAIN DESIGNATION; HANGER; UNION; GROOVED COUPLING (OC); SCREWED CAP; GROOVED CAP; SCREWED PLUG; FLANGED CONNECTION; GATE VALVE(SEE NOTES); FIRE HOSE ASSEMBLY; FLOW SWITCH (FS); TAMPER SWITCH; BUTTERFLY VALVE; ALARM VALVE (ALV); DRY PIPE VALVE; WAFER CHECK VALVE; SWING CHECK VALVE; SYSTEM RISER; INSPECTOR'S TEST; GLOBE VALVE; ANGLE VALVE; ELECTRIC BELL; WATER MOTOR GONG (WMG); FIRE DEPT.CONN.(STANDARD); FIRE DEPT.CONN.(FLUSH); FIRE DEPT.CONN.(SIDEWALK); POST INDICATOR VALVE (PIV); KEY GATE SECTIONAL VALVE WITH ROADWAY BOX; FIRE HYDRANT (2 WAY); THRUST BLOCK; 2&4 WAY SEISMIC BRACING; ELEVATION CHANGE IN PIPE (NOT THROUGH FLOOR)

**SPRINKLERS/NOZZLES**

| MANUF. | MODEL (SIN) | STYLE | NPT | K | ORIFICE | TEMP( F°) | RESPONSE | FINISH | ESCUTCHEON | NOTES | SYMBOL | QTY. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

TOTAL THIS SHEET 1

**ABBREVIATIONS**

| | |
|---|---|
| BOB | BOTTOM OF BEAM |
| BOD | BOTTOM OF DECK |
| COJ | CUT ON JOB |
| FDC | FIRE DEPT. CONNECTION |
| HV | HOSE VALVE |
| N&C | NIPPLE AND CAP |
| NC | NOT IN CONTRACT |
| NTS | NOT TO SCALE |
| OBJ | OPEN BAR JOIST |
| PRV | PRESSURE RED. VALVE |
| RM | ROOF MANIFOLD |
| SP | STANDPIPE |
| TOB | TOP OF BEAM |
| TOP | TOP OF PIPE |
| TOS | TOP OF STEEL |
| UON | UNLESS OTHERWISE NOTED |

**APPROVALS**

| | OUT | IN |
|---|---|---|
| | | |

**REVISIONS**

| NO. | DATE | BY | REVISION DESCRIPTION |
|---|---|---|---|
| 1 | – | – | – |
| 2 | – | – | – |
| 3 | – | – | – |
| 4 | – | – | – |
| 5 | – | – | – |
| 6 | – | – | – |
| 7 | – | – | – |
| 8 | – | – | – |

tyco Fire & Security | SimplexGrinnell | 6240 Smith Road, Denver, CO 80216, (303) 355-0500 | Colorado Registered Contractor #007

**SYSTEM INFO**

| SYSTEM NAME/NO. | SYSTEM TYPE | VALVE/SYSTEM SIZE | AREA |
|---|---|---|---|
| SEE DWG. | | | |

CONTRACT NAME: MCOA - CARDIAC TOWER
1501 SOUTH POTOMAC STREET
AURORA, CO 80012

CONTRACT WITH: MEDICAL CENTER OF AURORA

DESCRIPTION: FIRE SPRINKLER MODIFICATION

**HYDRAULIC DESIGN DATA**

| AREA/ AREA NAME/NO. | HAZARD CLASSIFICATION | DENSITY/ GPM/SQ.FT. | AREA OF APPLIC. | HOSE ALLOW. | SQ. FT. REQ. | TOTAL SYSTEM REQUIREMENTS GPM | PSI | AT |
|---|---|---|---|---|---|---|---|---|
| | SEE DWG. | | | | | | | |

WATER SUPPLY INFORMATION: STATIC PRESSURE ____ PSI. RESIDUAL PRESSURE ____ PSI. WITH ____ GPM FLOWING

TEST LOCATION: ____ BY: ____ TEST DATE: ____

SCALE: 1/2" = 1'-0"
DRAWN BY: PATTI LINDOERFER
CHECKED BY: JASON LAMBERT
THESE PLANS PREPARED AT: DENVER-043 ENGINEERING DEPARTMENT
CONTRACT NO: 956329001 / 956936301
DATE: 4/14/2011
DRAWING NO: SPK-100