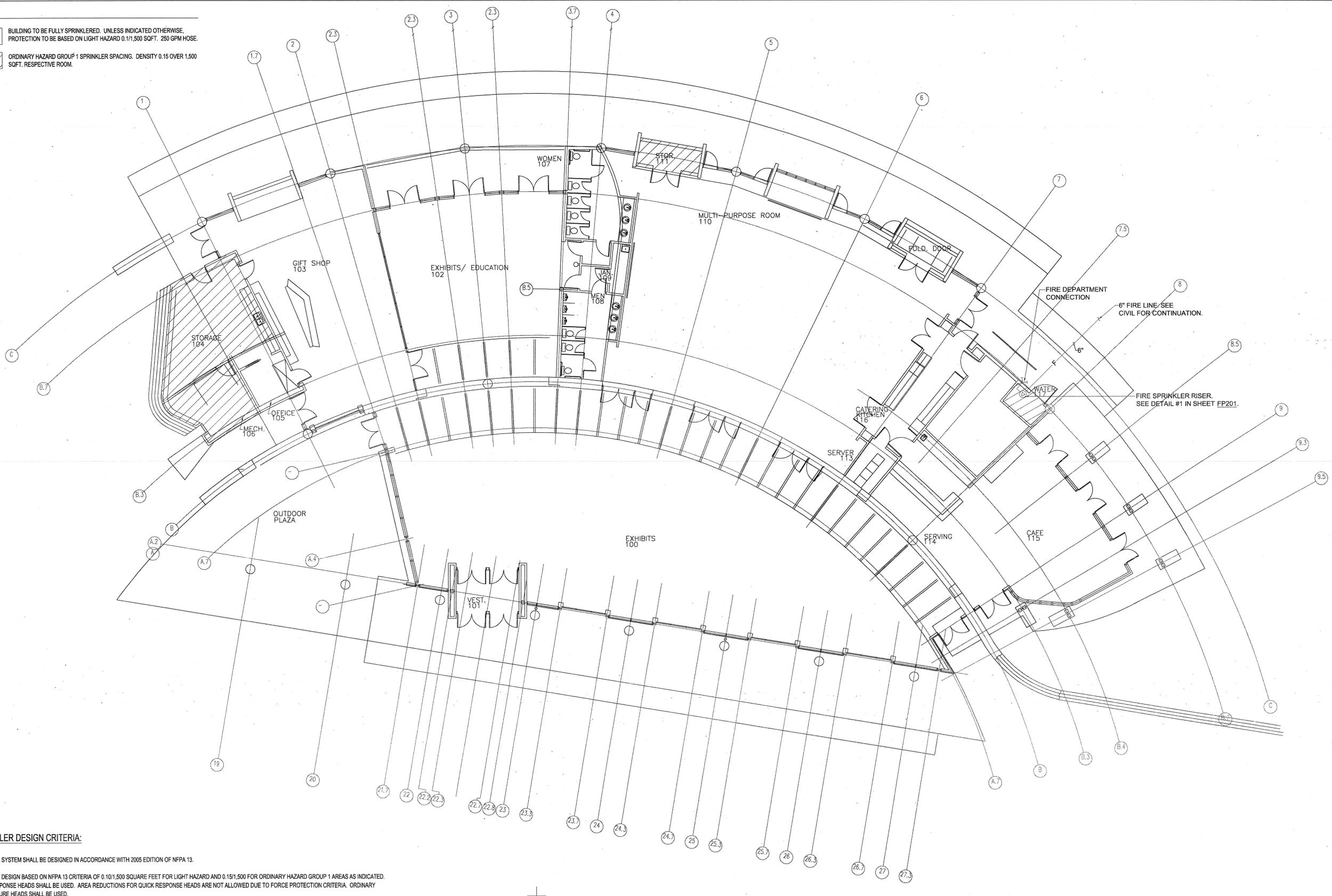


LEGEND

- BUILDING TO BE FULLY SPRINKLERED. UNLESS INDICATED OTHERWISE, PROTECTION TO BE BASED ON LIGHT HAZARD 0.1/1,500 SQFT. 250 GPM HOSE.
- ORDINARY HAZARD GROUP 1 SPRINKLER SPACING. DENSITY 0.15 OVER 1,500 SQFT. RESPECTIVE ROOM.



SPRINKLER DESIGN CRITERIA:

SPRINKLER SYSTEM SHALL BE DESIGNED IN ACCORDANCE WITH 2005 EDITION OF NFPA 13.

SPRINKLER DESIGN BASED ON NFPA 13 CRITERIA OF 0.10/1,500 SQUARE FEET FOR LIGHT HAZARD AND 0.15/1,500 FOR ORDINARY HAZARD GROUP 1 AREAS AS INDICATED. QUICK RESPONSE HEADS SHALL BE USED. AREA REDUCTIONS FOR QUICK RESPONSE HEADS ARE NOT ALLOWED DUE TO FORCE PROTECTION CRITERIA. ORDINARY TEMPERATURE HEADS SHALL BE USED.

AN OUTSIDE HOSE DEMAND OF 250 GPM WITH A MINIMUM DURATION OF 45-MINUTES SHALL BE PROVIDED. BECAUSE NO SINGLE ORDINARY HAZARD AREA IS OVER 400 SQUARE FEET, LIGHT HAZARD HOSE DEMAND SHALL APPLY PER NFPA 13.

INTERIOR SPRINKLER PIPE UNDER 2.5" SHALL BE SCHEDULE 40, PIPE 2.5" OR LARGER SHALL BE SCHEDULE 10.

SPRINKLER WATER FLOW WILL BE MONITORED BY THE FIRE ALARM SYSTEM WITH A 10-SECOND RETARD DELAY SET AT THE SWITCH. SPRINKLER RISER SHALL INCLUDE, BUT NOT LIMITED TO A VERTICAL DOUBLE-CHECK CHECK VALVE WITH TWO OSY GATE VALVES, GAUGES, FLOW SWITCH, MAIN DRAIN, AND FDC. ALL SPRINKLERS IN FINISHED CEILING TO BE QUICK RESPONSE, CHROME FINISH, SEMI-RECESSED.

COORDINATE LOCATIONS WITH ALL OTHER DISCIPLINES.

A SINGLE WET PIPE RISER WILL SERVE ALL CONDITIONED AREAS OF THE BUILDING.

SPRINKLERS SHALL BE CENTER OF TILE WHERE APPLICABLE.

FIRE PROTECTION FLOOR PLAN
SCALE: 1/4"=1'-0"

**POLK
STANLEY
ROWLAND
CURZON
PORTER**
ARCHITECTS, LTD.

700 SOUTH SCHILLER
LITTLE ROCK, AR 72201
501.378.0878 office
501.372.7629 fax

509 W. SPRING STREET,
SUITE 150
FAYETTEVILLE, AR 72701
479.444.0473 office
473.251.7216 fax

www.polkstanley.com

- CONSULTANTS:**
- CIVIL ENGINEER: MCCLELLAND ENGINEERS
 - LANDSCAPE ARCHITECT: LARSON BURNS SMITH
 - STRUCTURAL ENGINEER: CROMWELL ENGINEERS INC.
 - MECH., ELEC., PLUMB. ENGINEER: CROMWELL ENGINEERS INC.
 - GLOBAL VILLAGE CONSULTANT: CAMBRIDGE SEVEN ASSOCIATES
 - INTERIOR DESIGNER: POLK STANLEY ROWLAND CURZON PORTER ARCHITECTS
 - GENERAL CONTRACTOR: CDI CONTRACTORS, INC.

NOTES:

ISSUE DATE:
17 SEPTEMBER 2007

REVISIONS:

#	DATE	DESCRIPTION

MURPHY - KELLER
EDUCATIONAL CENTER

HEIFER
INTERNATIONAL
CENTER
LITTLE ROCK, ARKANSAS

PSRCP JOB NUMBER:
431E

CONTENTS:
FIRE PROTECTION
FLOOR PLAN

SHEET NUMBER:
FP101

