FIRE PROTECTION LEGEND

- GATE VALVE WITH TAMPER SWITCH
- CHECK VALVE
- SIDE WALL SPRINKLER
- SPRINKLER HEAD, UPRIGHT
- SPRINKLER HEAD, PENDANT
- (10) SPRINKLER CALCULATION NODE NUMBER
- NEW TO EXISTING

ABBREVIATIONS

PIV	POST INDICATOR VALVE
BFP	BACK FLOW PREVENTER
O.C.	ON CENTER
LH	LIGHT HAZARD
OH1	ORDINARY HAZARD, GROUP 1
OH2	ORDINARY HAZARD, GROUP 2
HC-1	HAZARD CATEGORY 1
HC-2	HAZARD CATEGORY 2
FH	FIRE HYDRANT
EP	ELECTRICAL POWER (120V AC)
WP	WEATHERPROOF (SUBSCRIPT)
C	CEILING MOUNTED (SUBSCRIPT)
E	EXISTING (SUBSCRIPT)

WATER FLOW TEST DATA

STATIC PRESSURE PSI	RESIDUAL PRESSURE PSI	FLOW RATE GPM
218	208	1840

NOTES: HYDRANTS USED FOR TEST: 70506 AND 70590
LOCATION: 415 S FRENCH BROAD AVE AND 285 LIVINGSTON STREET, ASHVILLE
DATE OF FLOW: 8/11/20
EXISTING PRV IS SET AT 165 PSI.
EXISTING SYSTEM SUPPLY PIV IN YARD.

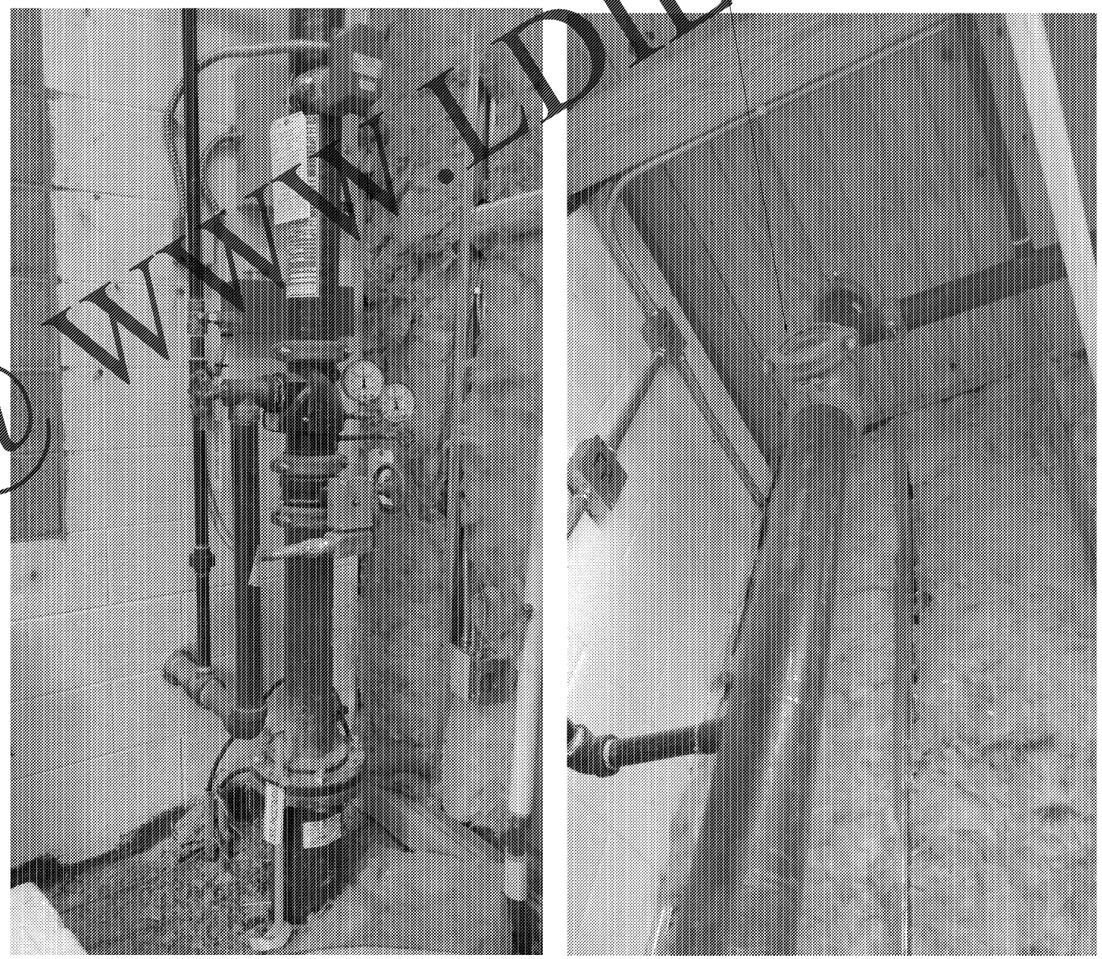
SPRINKLER SYSTEM DESIGN DATA

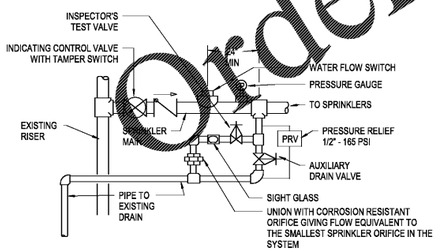
SPACE	SYSTEM TYPE	OCCUPANCY TYPE	DESIGN DENSITY GPM/SF	DESIGN AREA SF	HOSE STREAM GPM	MAXIMUM SPRINKLER COVERAGE, SF
OFFICES AREAS, CORRIDORS, RESTROOMS, GYM, PROGRAM SPACE	WET	LIGHT HAZARD	0.10	1500	100	225
ELECTRICAL, STORAGE, MECHANICAL, POOL EQUIP./STO, ETC	WET	ORDINARY HAZARD, GROUP 1	0.15	1500	250	130

NOTES:
1. ALL SPACES NOT SHOWN AS ORDINARY HAZARD GROUP 1 ARE LIGHT HAZARD.
2. ACTUAL FLOW RATES SHALL BE BASED ON HYDRAULIC CALCULATIONS.
3. REMOTE AREA REDUCTION WITH QUICK RESPONSE SPRINKLERS IS PERMITTED, IAW NFPA 13 REQUIREMENTS.

GENERAL NOTES

1. FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 - 2013 EDITION. PROVIDE WIRING AS RECOMMENDED BY MANUFACTURER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY ARCHITECT.
2. COORDINATE FIRE ALARM SYSTEM WITH ALL TRADES TO ENSURE PROPER COMPLIANCE WITH CODES AND TO AVOID CONFLICTS.
3. IN AREAS WITH LAY-IN CEILING TILES, INSTALL CEILING MOUNTED FIRE ALARM DEVICES CENTER OF TILE.
4. DESIGN AND PROVIDE THE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13 - 2013 EDITION. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY ARCHITECT.
5. COORDINATE SPRINKLER SYSTEM WITH ALL TRADES TO ENSURE PROPER COMPLIANCE WITH CODES AND TO AVOID CONFLICTS.
6. IN AREAS WITH LAY-IN CEILING TILES, INSTALL SPRINKLER HEADS CENTER OF TILE.
7. DESIGN AND PROVIDE THE SPRINKLER SYSTEM FOR THE HAZARD OCCUPANCY SHOWN ON THIS SHEET AND BY HYDRAULIC CALCULATION.
8. RUN PIPING IN ROOMS AND CORRIDORS CONCEALED ABOVE CEILINGS. IN ROOMS WITH CEILINGS OF EXPOSED CONSTRUCTION, RUN THE PIPING EXPOSED USING UPRIGHT SPRINKLER HEADS, EXCEPT AS NOTED OTHERWISE.
9. NO NEW PENETRATIONS OF STRUCTURAL MEMBERS, EXCEPT AS NOTED, ARE PERMITTED WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER.
10. RUN SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCH GEAR, AND SIMILAR EQUIPMENT.
11. PROVIDE QUICK RESPONSE SPRINKLER HEADS THROUGHOUT.





A1 FLOOR CONTROL ASSEMBLY DETAIL
NO SCALE

A5 EXISTING SPRINKLER SYSTEM RISER
NO SCALE

Order Plans @ WWW.DLINE.COM

City of Asheville/ Parks & Recreation

DR. WESLEY GRANT SR. CENTER EXPANSION

285 LIVINGSTON STREET
ASHEVILLE, NC 28801

DESIGNER
CLARKNEXSEN
301 COLLEGE STREET, SUITE 300
ASHEVILLE, NORTH CAROLINA 28801
828-232-0606
CLARK NEXSEN LICENSE NUMBER: C-1028

PROFESSIONAL SEAL
NORTH CAROLINA PROFESSIONAL SEAL 037208 ENGINEER RICHARD B. ALPERT
Date: 2021.03.11 08:11:28-05'00'

SUBMITTAL
03.12.2021
CONSTRUCTION DOCUMENTS

REVISIONS

KEY PLAN

SHEET
FIRE PROTECTION LEGEND

F-001

DESIGN: AAR
DRAWN: AAR
REVIEW: RBA

CN 7904-A

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