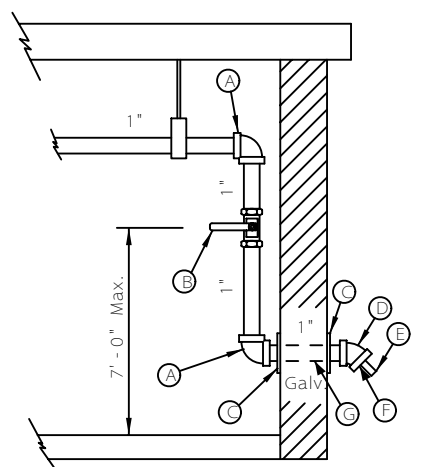
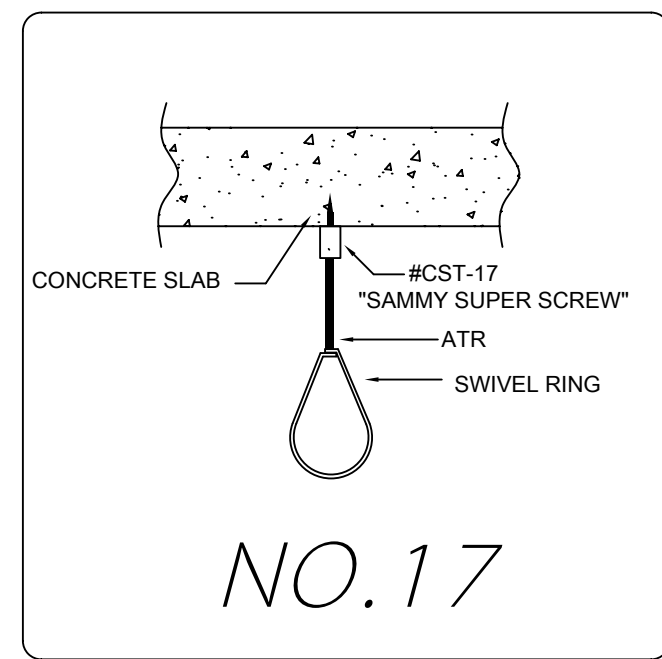


ENLARGED STORAGE ROOM DETAIL
NO SCALE

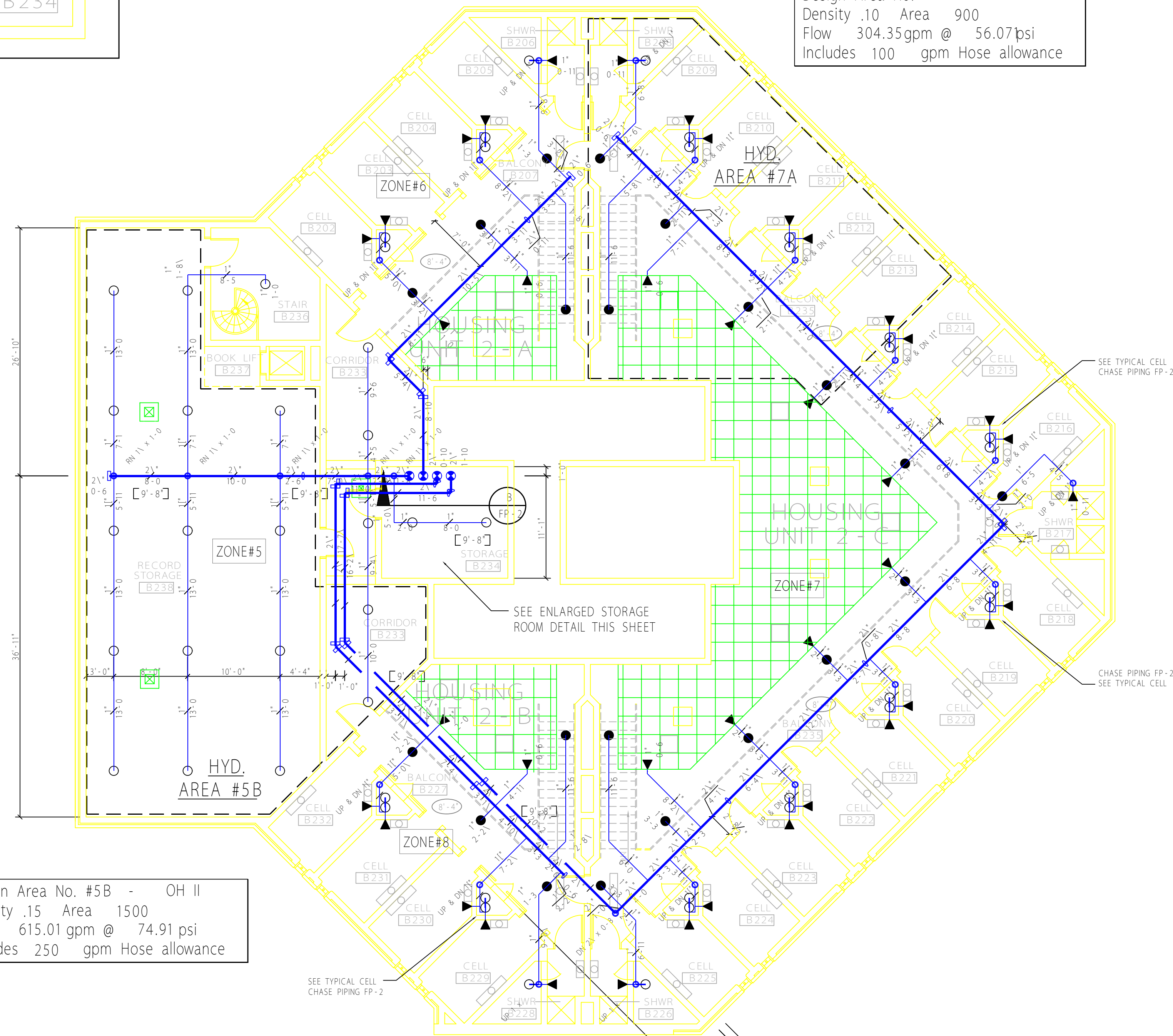
Design Area No. #7A - LIGHT
Density .10 Area 900
Flow 304.35gpm @ 56.07psi
Includes 100 gpm Hose allowance



NOTE: FIELD VERIFY LOCATION for INSP. TEST

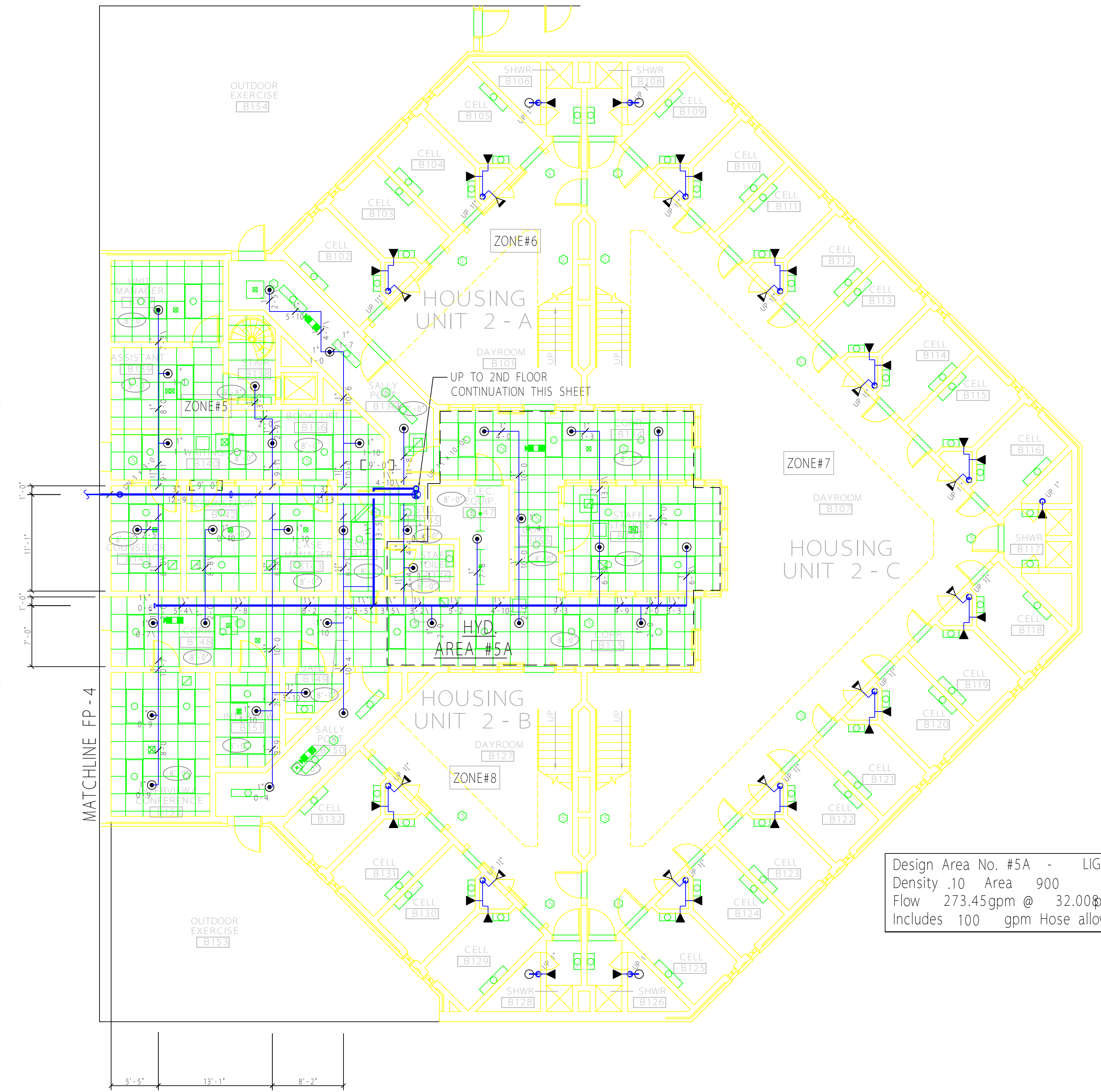


Design Area No. #5B - OH II
Density .15 Area 1500
Flow 615.01 gpm @ 74.91 psi
Includes 250 gpm Hose allowance



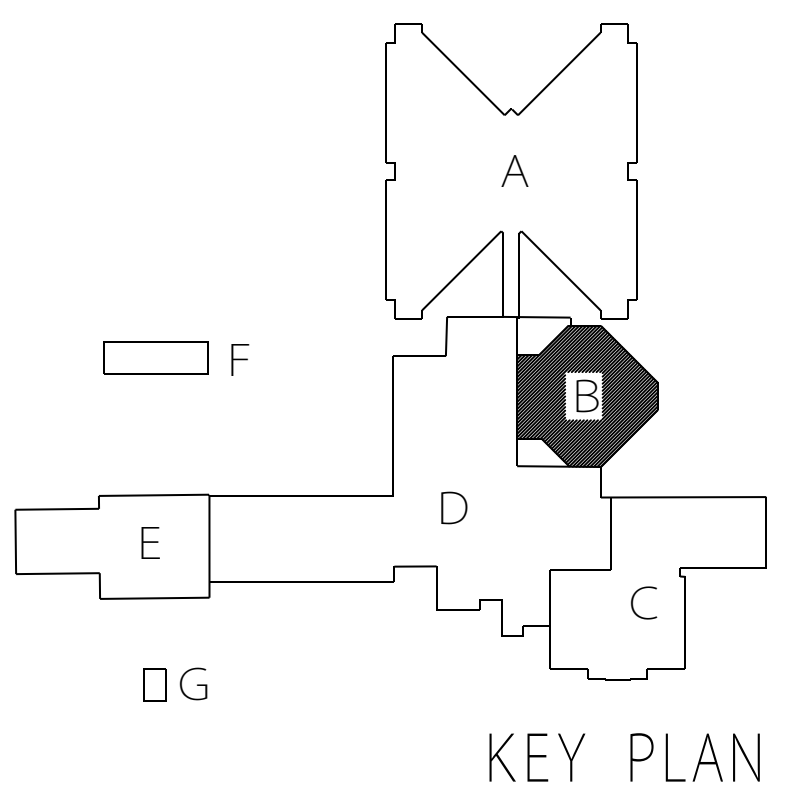
AREA "B" SECOND FLOOR FIRE SPRINKLER PLAN
SCALE: 1/8"=1'-0"

CEILING HEIGHT = 10'-8" U.N.O.
ELEVATION OF PIPE = 9'-0" A.F.F. (U.N.O.)
ALL DROPS = 1"x0'-5"
ALL HANGERS = TYPE #17x2'-4"



AREA "B" FIRST FLOOR FIRE SPRINKLER PLAN
SCALE: 1/8"=1'-0"

CEILING HEIGHT = 8'-4" U.N.O.
ELEVATION OF PIPE = 8'-8" A.F.F. (U.N.O.)
ALL DROPS = 1"x0'-5"
ALL HANGERS = TYPE #17x1'-0"



KEY PLAN

NFPA 13 and State Fire Codes require the building owner to be responsible for maintaining the sprinkler system and keeping the system in good operating condition. With the influx of new and specific fire sprinkler styles in the market the sprinkler heads in this building may be a combination of standard response, quick response, or residential styles, and could be either a standard or extended coverage spray pattern. Care should be exercised during the replacement of any sprinkler head to be assured the replacement sprinkler is identical to the original sprinkler head. Head requirements to be considered include, but are not limited to, make, model, orifice size, temperature, pressure requirements, spray pattern, and maximum spacing limitations.

NOTE: PIPE END PREPARATION MARKS DO NOT INCLUDE FITTING TAKE-OUTS: ALL PIPE AND HANGERS ARE SHOWN CENTER-TO-CENTER ONLY. PIPE FITTING TAKE-OUTS WILL BE PERFORMED BY COMPUTER STOCKING - SEE TITLEBLOCK FOR PIPE AND FITTING SIZES.

| Building North | Note: |
|----------------|--|
| | To prevent freezing of pipe in sprinkler system others shall provide sufficient heat to maintain system above 40° F, unless an anti-freeze loop or dry pipe system is installed. |
| | All welded fittings to be shop welded and in accordance with NFPA Pamphlet 13. |
| | Sprinkler foreman to locate any high temp. heads not shown on shop drawing. |

| General Notes | |
|---------------------|---|
| PIPE: | 1" THRU 2" - THREADED THINWALL (A-135 OR A-795F) 2" & LARGER SCH40 A135 THINWALL w/ ROLL GROOVED ENDS |
| FITTINGS: | 1" - 2" THREADED FITTINGS - BLACK STANDARD WEIGHT CAST IRON 2" & LARGER WELDED LINE OPENINGS & FIRELOCK MECH. FITTINGS |
| BLDG. CONSTRUCTION: | NON-COMBUSTIBLE STEEL I BEAMS AND BAR JOISTS |
| SPKR LOCATION: | AS REQUIRED BY FIRE CODE, BUT NOT NECESSARILY CENTER OF TILES |

| The following are to be provided or installed by: | |
|---|--|
| PAINTING OF PIPE - IF DESIRED | |
| PIPE IDENTIFICATION MARKERS | |
| GRID SYSTEM PRESSURE RELIEF VALVE | |
| SPARE HEAD CABINET WITH WRENCH | |
| MAIN DRAIN/TEST VALVE & GAGES | |
| EXISTING PIPE REMOVAL | |
| EXISTING SPRINKLER RELOCATION | |
| HOUSEKEEPING PAD | |
| SEWER DRAIN CONNECTIONS | |
| SLEEVES: | |
| FIRE CAULK - FIRE RATED WALLS | |

| Legend | |
|--------|--|
| (O) | OF PIPE TO BOTTOM OF STEEL OR CONC. DECK OR BOTTOM OF WOOD JOIST |
| (O) | OF PIPE TO BOTTOM OF STEEL BEAM OR METAL PURLIN |
| (O) | HANGER ROD LENGTH |
| AFF | PIPE ABOVE FINISHED FLOOR |
| (H) | HYDRAULIC CALCULATION POINT |
| UNO | UNLESS NOTED OTHERWISE |
| C.H. | CEILING HEIGHT |

| Hangers | |
|---------|-------------------------------------|
| MT | ROD, RING & TOP BM CLAMP W/LOCK |
| MT | ROD, RING, SIDE - BM BRACKET & BOLT |
| MT | ROD, RING & EXP. CASE |
| Z | PURLIN CLAMP, MT ROD & RING |
| TR | TRAPEZE: |

| Sprinklers this drawing: | |
|--------------------------|--|
| ESCH | RELIABLE FHR WHITE SEMI-RECESSED PENDANT |
| FWMI | ADDED HEADS @ TOP OF ACCESSIBLE CHASES |
| CHCH | RELIABLE FHR BRONZE UPRIGHT |
| CHCH | RELIABLE ZX-INST-ORC CHROME SIDEWALL |
| CHCH | RELIABLE ZX-QR-INST CHROME SIDEWALL |
| CHCH | RELIABLE ZX-QR-INST CHROME SIDEWALL |

| Date | Revisions |
|---------|--|
| 02-07-0 | CHANGED ZONE CONFIGURATION |
| 08-07-0 | ADDED HEADS @ TOP OF ACCESSIBLE CHASES |

Brewer & Company
of West Virginia, Inc.
Charleston Morgantown
1-800-842-8598

LAKIN CORRECTIONAL FACILITY FOR WOMEN

LOCATION: LAKIN WEST VIRGINIA
CONTRACT WITH: STATE OF WEST VIRGINIA
DATE: 10/10/00 JOB NO.: 9900-03-0376