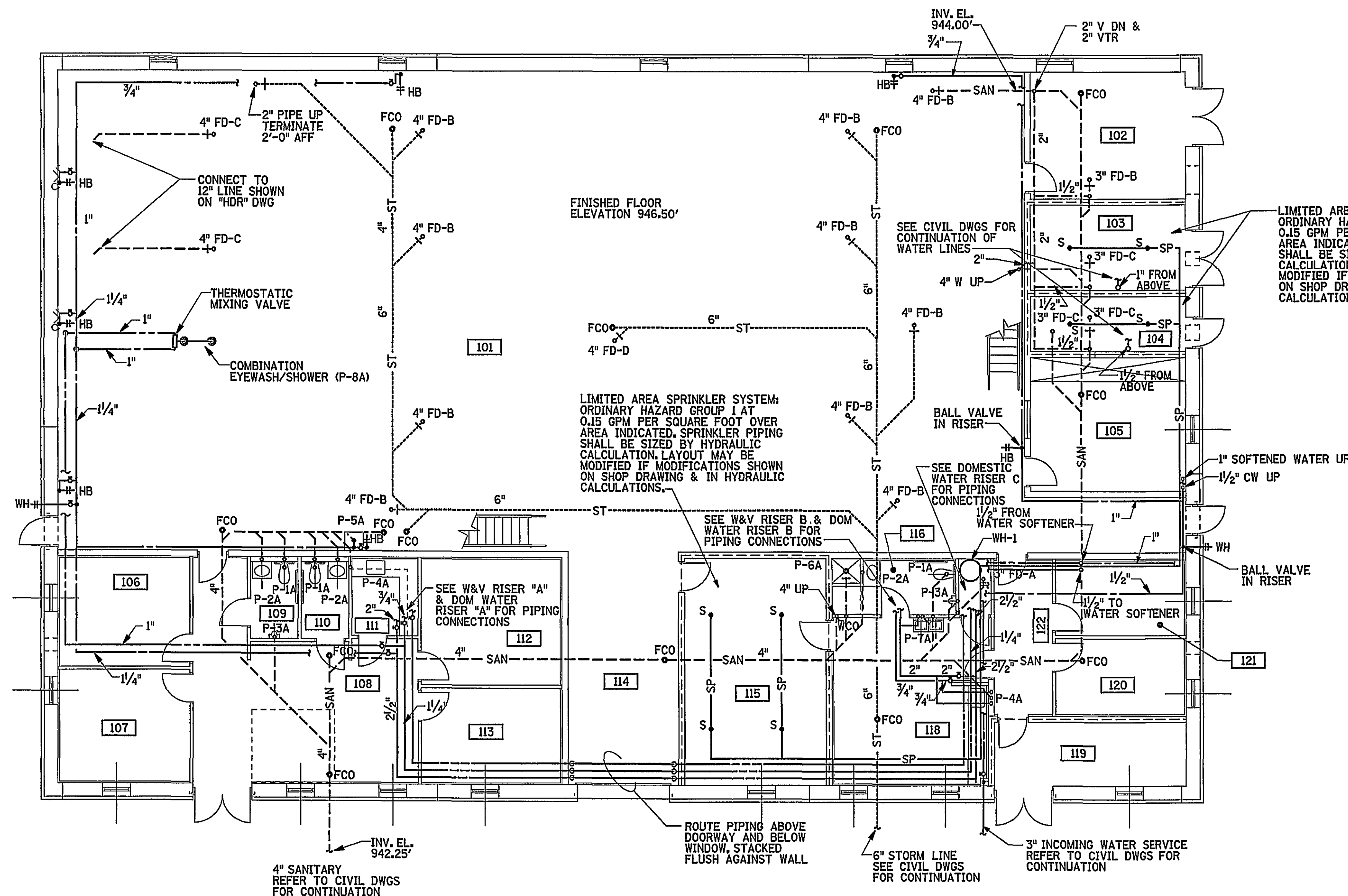


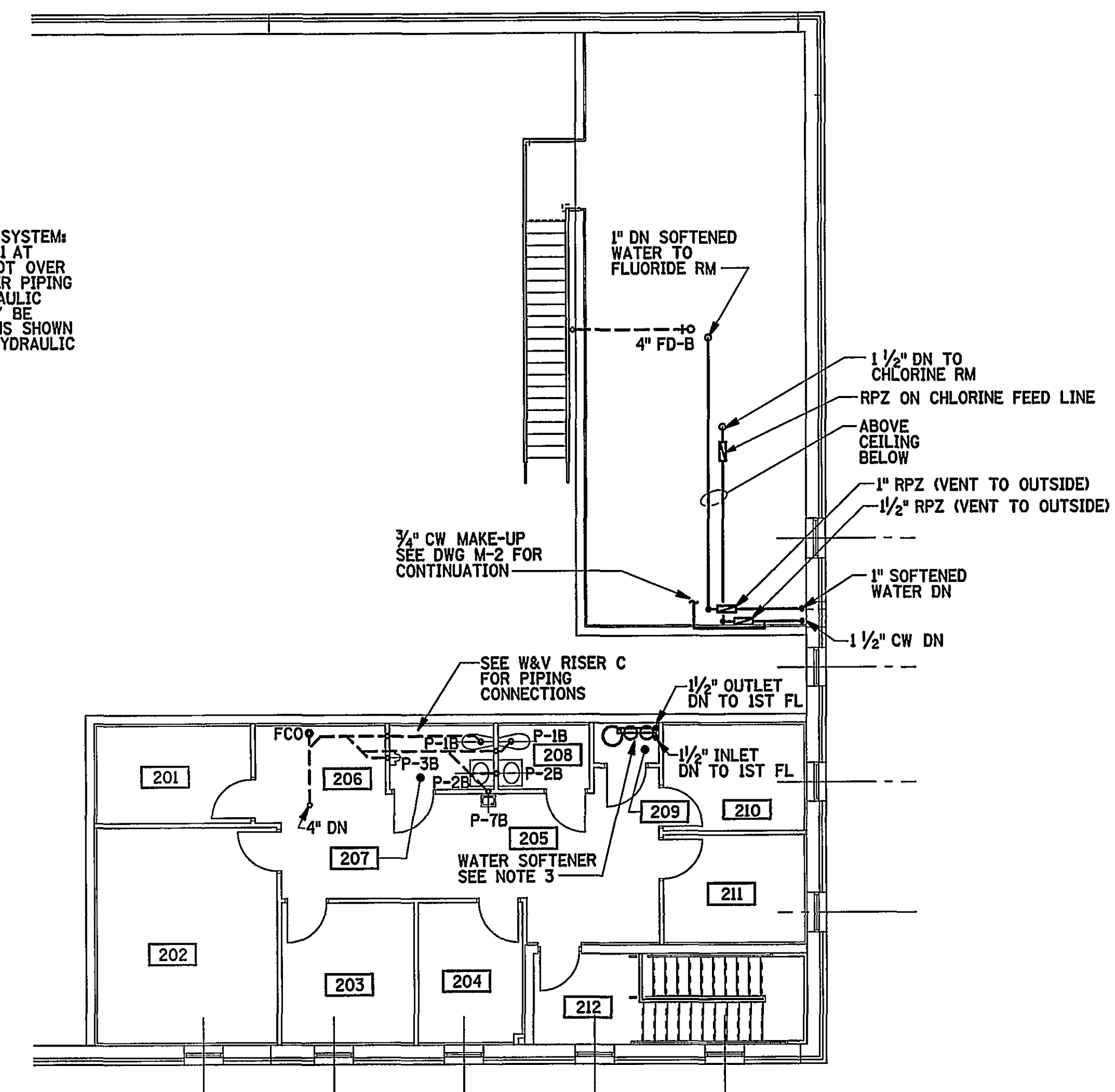
1. ALL WASTE & VENT PIPING IN CHLORINE ROOM NO.104 & FLUORIDE ROOM NO.103 SHALL BE SCHEDULE 40 PVC PIPE.
2. ALL WATER SERVICE PIPING IN CHLORINE ROOM NO.104 & FLUORIDE ROOM NO.103 SHALL BE SCHEDULE 40 PVC PIPE PER ANSI NSF 14-90.
3. WATER SOFTENER SHALL BE CULLIGAN HI-FLO 2 MODEL PV-45B INSTALLED IN A PARALLEL DUPLEX CONFIGURATION,
25 GPM CONTINUOUS FLOW AT 15 PSI MAX. PD, AND 35 GPM PEAK FLOW AT 25 PSI MAX. PD, 30,000 GRAINS EXCHANGE CAPACITY AT 9 LBS SALT DOSAGE.
4. MOUNT WALL HYDRANTS (WH) 24" ABOVE FINISHED GRADE.
5. MOUNT HOSE BIBBS (HB) 36" ABOVE FINISHED FLOOR.

6. PITCH ALL HORIZONTAL STORM DRAINAGE PIPING FLOWS:	
SIZE (INCHES)	MINIMUM SLOPE (INCHES PER FOOT)
2 1/2" OR SMALLER	1/4
3 TO 6	1/8

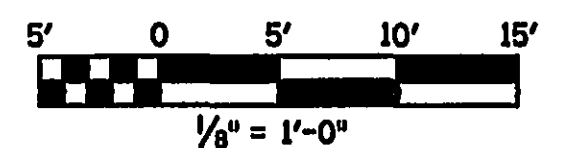
FD-A: JOSAM 30000-E3
FD-B: JOSAM 31120-2
FD-C: SIOUX CHIEF NO. 841-2P
FD-D: JOSAM 30000-AJ-2



MAIN FLOOR PLAN
SCALE: $\frac{1}{8}" = 1'-0"$



PARTIAL SECOND FLOOR PLAN
SCALE: $\frac{1}{8}" = 1'-0"$



IF THIS DRAWING IS A REDUCTION,
GRAPHIC SCALE MUST BE USED.

[illegible]

DATE: MAY 1, 2003

Wiley & Wilson
ARCHITECTS ENGINEERS PLANNERS
An Employee-Owned Company

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24505-0877

IN ASSOCIATION WITH

H&R

HDR Engineering, Inc.
5700 LAKE WRIGHT DRIVE
NORFOLK, VIRGINIA 23502
757-222-1500

DESIGNED DAN	DRAIN DAN	PROJECT CRYSTAL SPRING WATER TREATMENT PLANT FOR THE CITY OF ROANOKE, VIRGINIA
CHECKED M/JG	REVIEWED BWG	
COMM. NO. 20017L.O1	REFERENCE	
CADD NO. 20017M2.DGN	TITLE	MECHANICAL PLUMBING & FIRE SUPPRESSION
DATE AUG 26, 2001	DWG. NO. PL-1	SHEET NO. 60 OF 72 REV. 0