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FIRE STATION 23  
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DPW FILE NUMBER

DPW NUMBER  
 17-C-00037

ISSUE DATE  
 07-28-2017

DRAWN BY

REVISIONS  
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SEAL

Joseph H. Griner III, P.E. FL. 39491

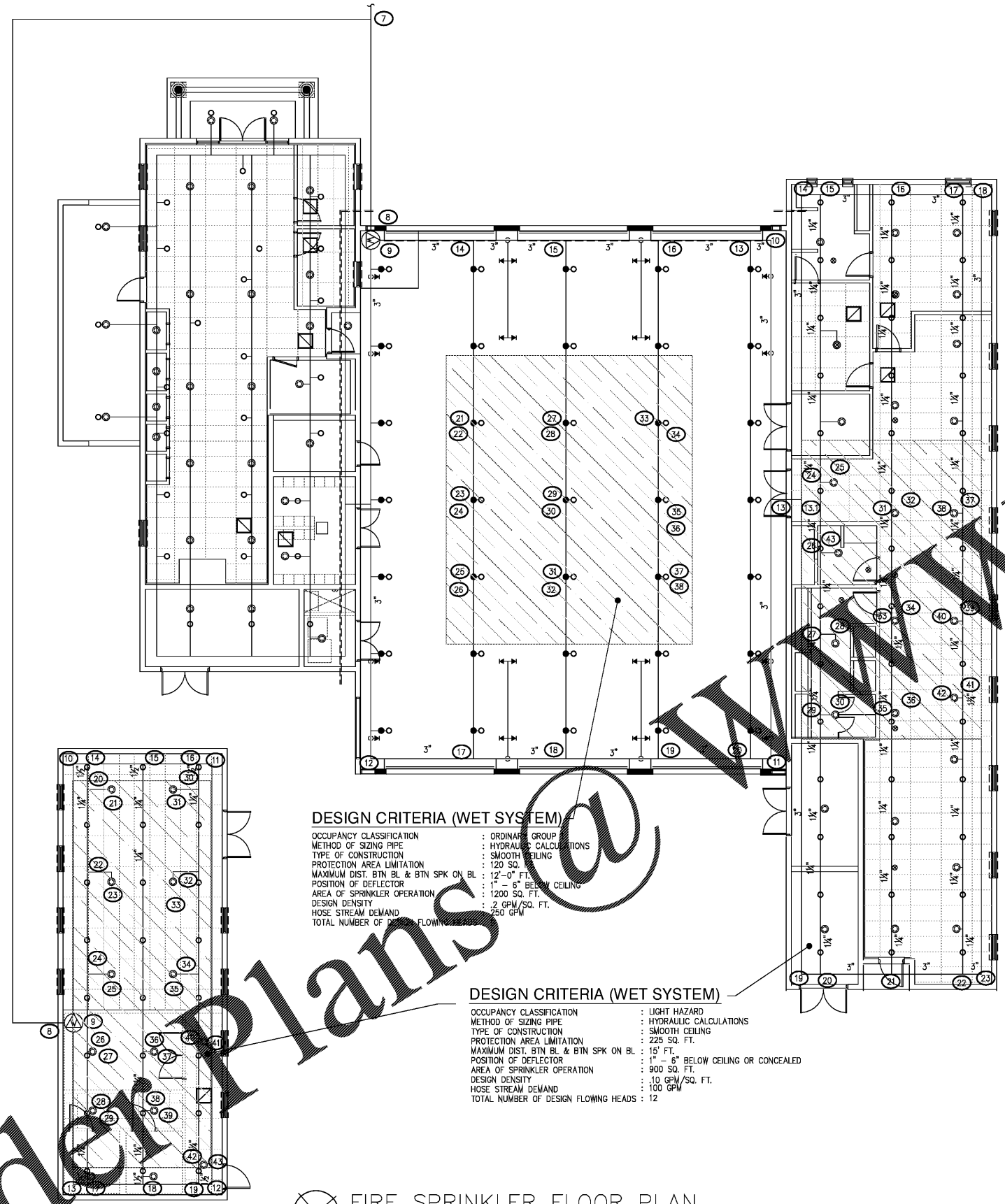
SCALE: 1/8" = 1'-0"

FIRE PROTECTION FLOOR PLAN

SHEET NUMBER

FP-3.0

X OF X



NOTES:  
 1. ALL CROSS MAIN LINES ARE 2 1/2" BLACK STEEL SCHEDULE 10 UNLESS OTHERWISE NOTED.  
 2. ALL BRANCH LINES ARE 1" BLACK STEEL SCHEDULE 40 UNLESS OTHERWISE NOTED.  
 3. SPRINKLER RISER AND FREE STANDING FIRE DEPARTMENT CONNECTION PIPING IS SCHEDULE 40 GALVANIZED STEEL PIPE.

SPRINKLER HEADS AND LEGEND - BASIS OF DESIGN							
TYPE	RESPONSE	"K"	DRF	NPT	TEMP. H / C	FINISH HEAD / ESCH.	SYMBOL
CONCEALED	QR	5.6	1/2"	1/2"	155°F	WHITE / WHITE	⊙
UPRIGHT	QR	5.6	1/2"	1/2"	155°F	BRASS	○
PENDENT	QR	5.6	1/2"	1/2"	155°F	BRASS	●
SIDEWALL	QR	5.6	1/2"	1/2"	155°F	BRASS	⋈

SPRINKLERS MODEL NUMBER & FINISH SHALL BE APPROVED BY OWNER / ARCHITECT BEFORE FINAL ORDER IS MA

**DESIGN CRITERIA (WET SYSTEM)**  
 OCCUPANCY CLASSIFICATION : ORDINARY GROUP  
 METHOD OF SIZING PIPE : HYDRAULIC CALCULATIONS  
 TYPE OF CONSTRUCTION : SMOOTH CEILING  
 PROTECTION AREA LIMITATION : 120 SQ. FT.  
 MAXIMUM DIST. BTN BL & BTN SPK ON BL : 12'-0" FT.  
 POSITION OF DEFLECTOR : 1" - 6" BELOW CEILING  
 AREA OF SPRINKLER OPERATION : 1200 SQ. FT.  
 DESIGN DENSITY : 2 GPM/SQ. FT.  
 HOSE STREAM DEMAND : 250 GPM  
 TOTAL NUMBER OF DESIGN FLOWING HEADS : 12

**DESIGN CRITERIA (WET SYSTEM)**  
 OCCUPANCY CLASSIFICATION : LIGHT HAZARD  
 METHOD OF SIZING PIPE : HYDRAULIC CALCULATIONS  
 TYPE OF CONSTRUCTION : SMOOTH CEILING  
 PROTECTION AREA LIMITATION : 225 SQ. FT.  
 MAXIMUM DIST. BTN BL & BTN SPK ON BL : 15' FT.  
 POSITION OF DEFLECTOR : 1" - 6" BELOW CEILING OR CONCEALED  
 AREA OF SPRINKLER OPERATION : 900 SQ. FT.  
 DESIGN DENSITY : 10 GPM/SQ. FT.  
 HOSE STREAM DEMAND : 100 GPM  
 TOTAL NUMBER OF DESIGN FLOWING HEADS : 12

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

Order Plans

**GRINER**  
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Date	06-15-2017
Drawn	JL
Designed	JL
EOR	JHG
Job no.	17049