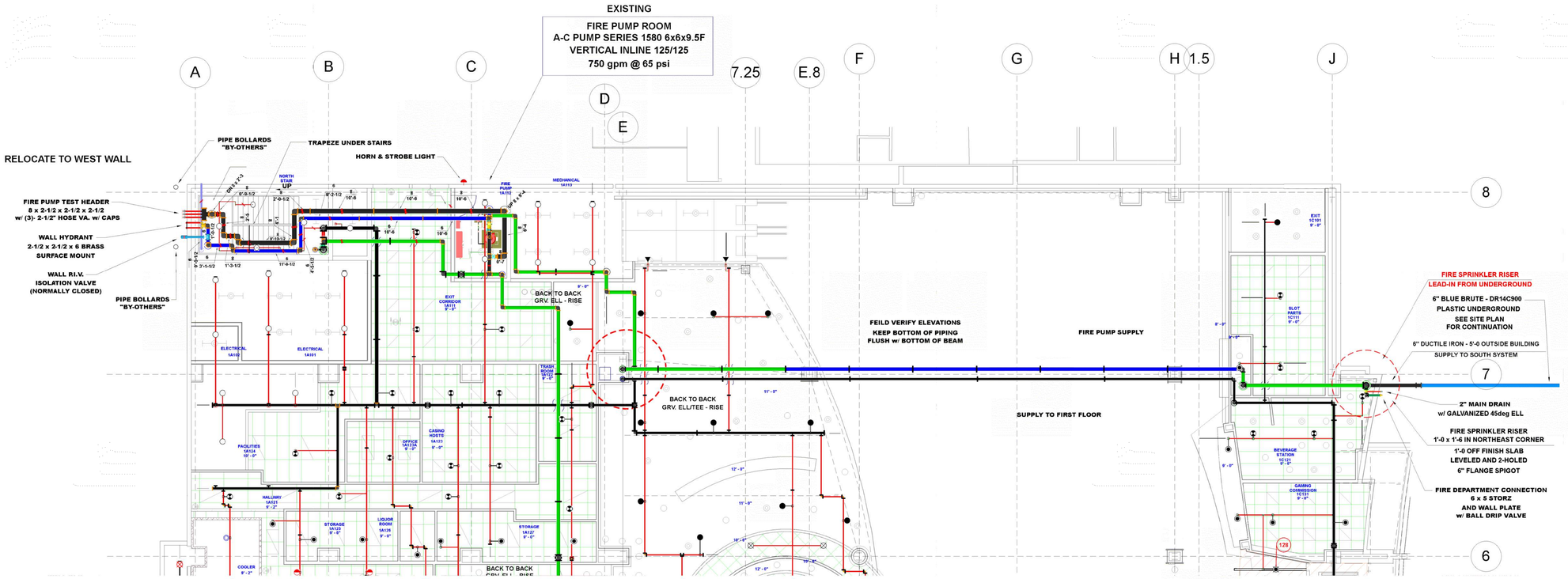
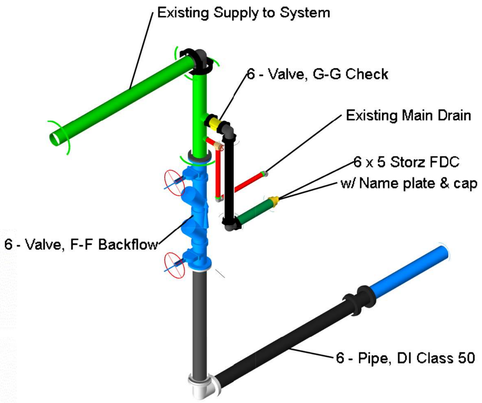
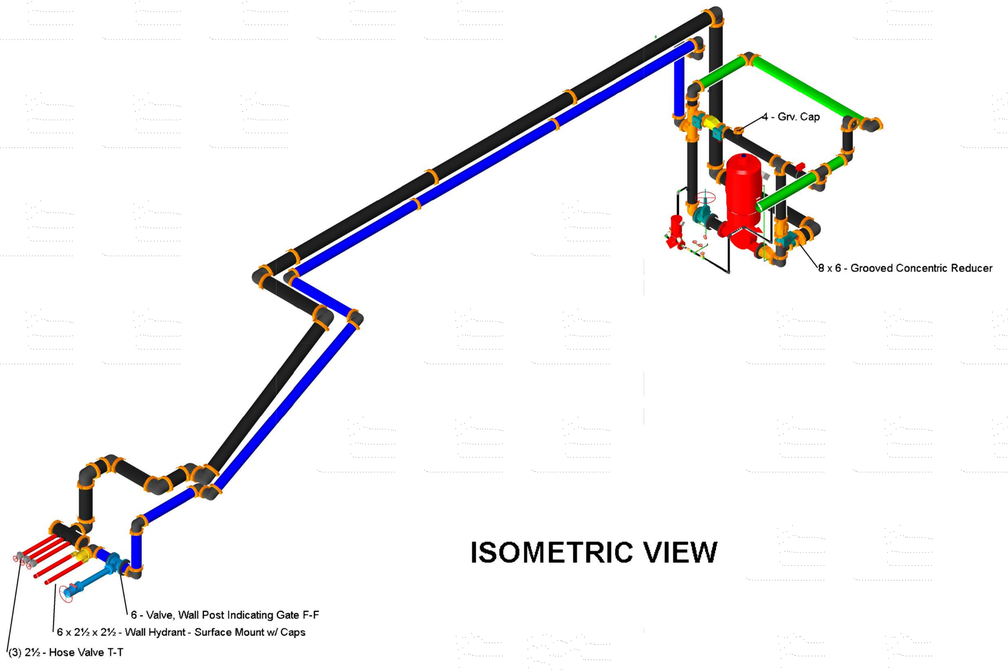


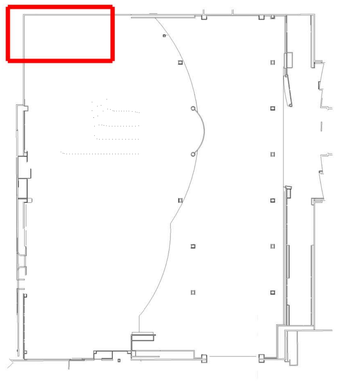


ADD FDC TO RISER ABOVE BACKFLOW



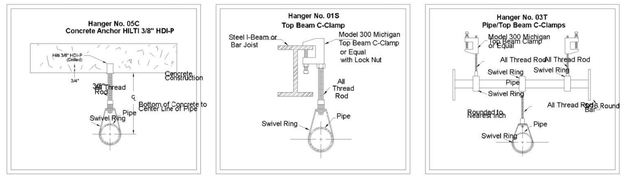
ISOMETRIC VIEW

AREA OF WORK



FIRST FLOOR - NORTH

KEY PLAN — NORTH



HANGER DETAILS

- **HANGER ASSEMBLIES SHALL BE REQUIRED ON ARMOVERS OVER 2'-0 IN LENGTH**
- **ALL THREADED BRANCHLINES ARE SHOWN AS TOTAL LENGTHS**
- **ALL BRANCHLINES WITH WELD-O-LETS ARE CUT LENGTHS AND CENTER TO CENTER FROM OUTLET TO OUTLET**
- **ALL CROSSMAINS WITHOUT WELD-O-LETS ARE SHOWN AS CUT LENGTHS**
- **ALL CROSSMAINS WITH WELD-O-LETS ARE CUT LENGTHS AND CENTER TO CENTER FROM OUTLET TO OUTLET**

GENERAL NOTES:

WET - SYSTEM

1. **All design, material and installation to be in accordance with NFPA#13 All material and devices to be UL Listed and FM approved.**
2. **All new piping to be hydrostatically tested at 200 P.S.I. for 2 hours. Test to be witnessed by owner's representative and local Fire Marshal.**
3. **Pipe schedule:**
   - **All 1-1/2" and/or smaller pipe will be BLACK sched.40 with threaded fittings**
   - **All 2" & larger pipe will be BLACK schedule 40 with grooved fittings**
4. **Works to be done by others:**
   - **adequate heat to prevent freezing of water in piping of wet pipe system**
   - **painting of pipes for ornamental purpose**
   - **electrical wiring for fire protection devices**
5. **Abbreviations:**
   - **FF : Finished Floor**
   - **CL : CenterLine**
   - **W : Wall**
   - **CH : Ceiling Height**
   - **GRC : Grooved Reducing Coupling**
   - **FDC : Fire Department Connection**
   - **RN : Riser Nipple**

SCALE: 1/4" = 1'-0

UN-LEADED DESIGN, INC
FIRE SPRINKLER DESIGN SERVICES
2804 West Detroit St
Broken Arrow, OK 74012
918-808-7509
Ronald J. Fujikawa
NICET LEVEL IV
CERT. # 122988

SEAL MUST BE SIGNED AND DATED TO BE VALID

CONTRACTOR:

ADDRESS:

REVISION

DATE	DESCRIPTION	BY

IMPORTANT

TO PREVENT FREEZING OF WATER IN WET PIPE SPRINKLER PIPING, OWNERS TO PROVIDE SUFFICIENT HEAT THROUGHOUT AREAS WHERE SPRINKLER PIPES ARE INSTALLED, UNLESS AN ANTI-FREEZE SYSTEM.

ACCURATE FIRE EQUIPMENT CO. INC.
SINCE 1945
10528 E. 12th ST.
TULSA, OKLAHOMA
PHN: 918-437-5573

DATE:	7-25-2018	REVISIONS:	8-10-2018
SCALE:	1/4" = 1'-0	DESIGNER:	RONNIE FUJIKAWA
SHEET:	FP-1	PROJECT MGR:	CHARLES GIPSON
JOB NO.		SHEET TITLE:	FIRE SPRINKLER PLAN
DRAWING BY	FUJI		FIRE PUMP ROOM

HARD ROCK CASINO

777 WEST CHEROKEE ST.
CATOOSA, OKLAHOMA