

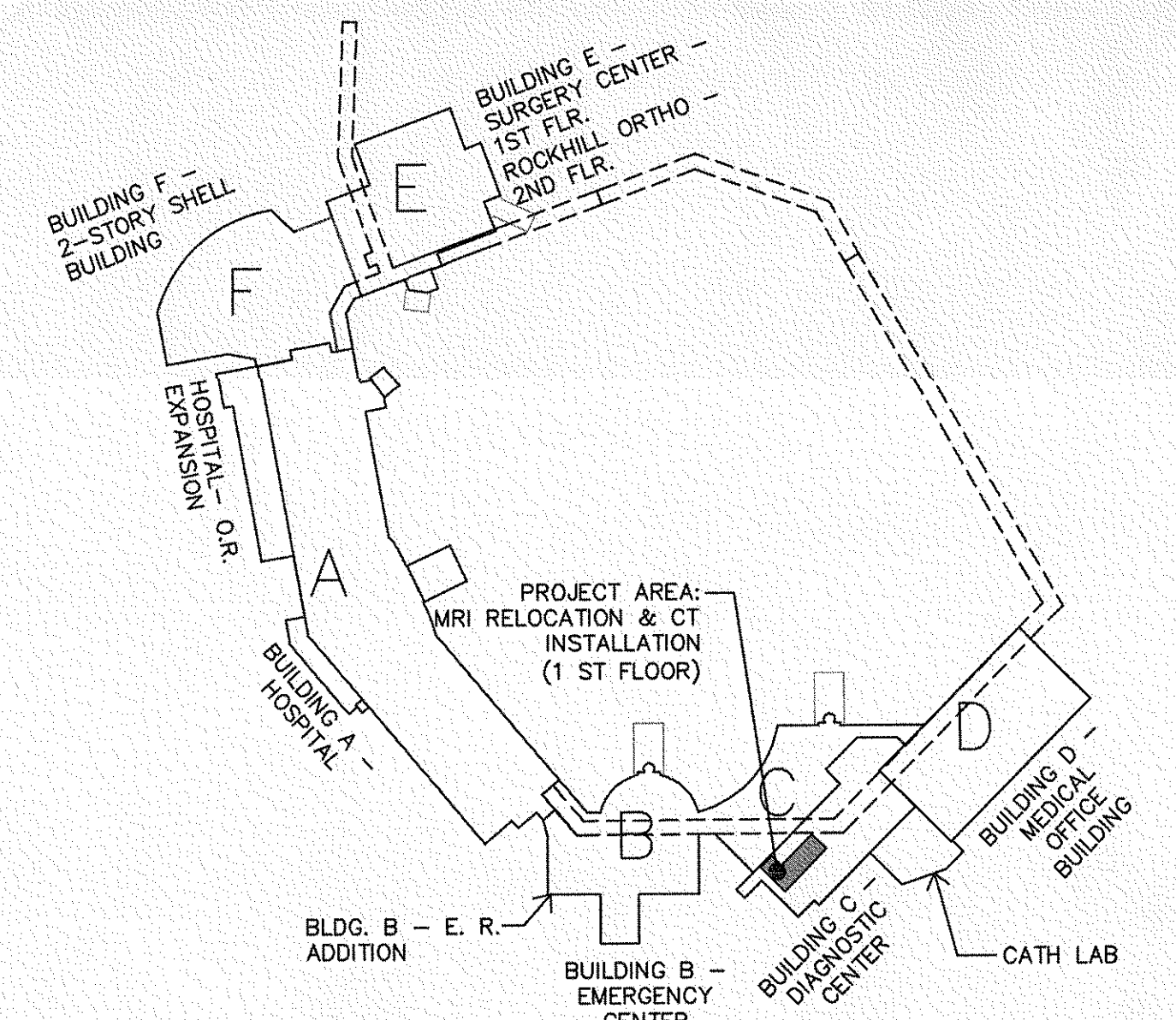
BUILDING CODE ANALYSIS
*BUILDING USE: HEALTHCARE
*CONSTRUCTION TYPE: 1-A
*OCCUPANCY GROUP IS: I-2
*TOTAL FLOOR AREA OF RENOVATION: 1,275 SF

FIRE PROTECTION CODE ANALYSIS
*SYSTEM DESIGN IS BASED ON 2018 IBC, NFPA 13 2012
SPRINKLER DESIGN DEMANDS SHALL BE AS FOLLOWS
*ALL SPACES ARE LIGHT HAZARD UNLESS NOTED OTHERWISE ON DRAWINGS
*LIGHT HAZARD: 0.10 GPM/SF OVER 1500 SQ. FT. + 100 GPM HOSE ALLOWANCE
*ORDINARY HAZARD GROUP 1: 0.15 GPM/SF OVER 1500 SQ. FT. + 250 GPM HOSE ALLOWANCE
*ORDINARY HAZARD GROUP 2: 0.20 GPM/SF OVER 1500 SQ. FT. + 250 GPM HOSE ALLOWANCE
*DESIGN AREAS UTILIZE QUICK RESPONSE SPRINKLER AREA REDUCTION IN ACCORDANCE WITH NFPA 13

GENERAL NOTE

- *ALL SPRINKLER SYSTEMS SHALL CONFORM WITH THE REQUIREMENTS OF NFPA
- *ALL SECTIONS OF TRAPPED PIPING TO HAVE AUXILIARY DRAINS WHERE REQUIRED PER NFPA
- *ALL HANGER TO BE INSTALLED PER REQUIREMENTS OF NFPA
- *PENETRATIONS THROUGH FIRE RATED WALL SHALL BE FIRE CAULKED AS REQUIRED PER CONTRACT
- *THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE HEAT TO PREVENT WATER FILLED PIPE FROM FREEZING
- *AMERICAN FIRE SPRINKLER CORP. IS NOT CONTRACTED TO PROVIDE THE ALARM WIRING TO THE CENTRAL STATION ALARM SYSTEM
- *THREADED PIPING 1" - 2" SHALL BE SCH 40 BLACK STEEL WITH DUCTILE THREADED FITTINGS
- *GROOVED PIPING 1" - 2" SHALL BE SCH 40 BLACK STEEL WITH VICTAULIC GROOVED FITTINGS
- *GROOVED PIPING 2 1/2" - 8" SHALL BE SCH 10 BLACK STEEL WITH VICTAULIC GROOVED FITTINGS
- *PLASTIC PIPE AND FITTINGS SHALL BE BLAZEMASTER CPVC
- *SYSTEM PIPE SHALL BE SIZED PER EXISTING SYSTEM / NEW CALCULATIONS ARE NOT REQUIRED
- *MRI ROOM (IC145) IS WITHIN A 'R' SHIELD
- *ALL PIPING AND HANGERS ARE TO BE NON-FERROUS.
- *ATTACH AT THE 1/2" WAVEGUIDE PROVIDED BY OTHERS, AS NOTED CPVC WITHIN MRI ROOM

A - ADD
R - RELOCATE / REPLACE
P - PLUG
EXISTING PIPE - - - - -
NEW PIPE - - - - -



DATE:

REVISIONS:

ST. LUKE'S EAST MRI REPLACEMENT

80 NE SAINT LUKE'S BLVD
LEE'S SUMMIT, MO 64086

PE STAMP:

AMERICAN
FIRE SPRINKLER
OFFICE: 6750 W. 47TH TERR. MISSION, KS 66203
MAIL: P.O. BOX 698 MISSION, KS 66201-0698
FIRE PROTECTION SYSTEMS CONSULTANTS - DESIGN
FABRICATION, SALES, SERVICE

PAY ITEM: SPR

REVIEWING AUTHORITY: OWNER / LEE'S SUMMIT, MO

ALL HEADS THIS SHEET: 29

TOTAL HEADS THIS JOB: 16

DRAWN BY: COREY SCOTT

DATE: 10-16-17

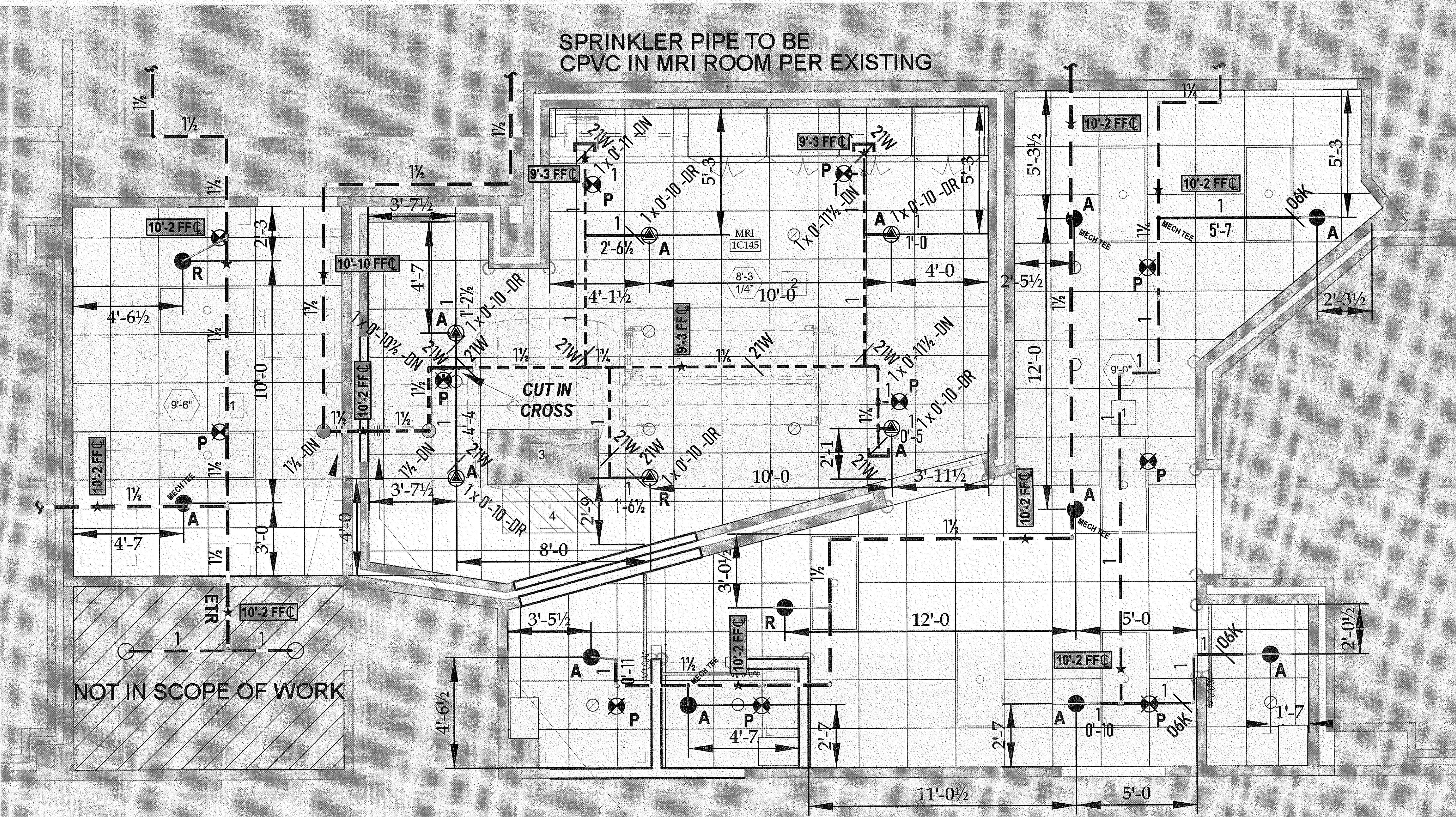
SCALE: AS SHOWN

CONTRACT #: SK0746

DWG #:

FP01

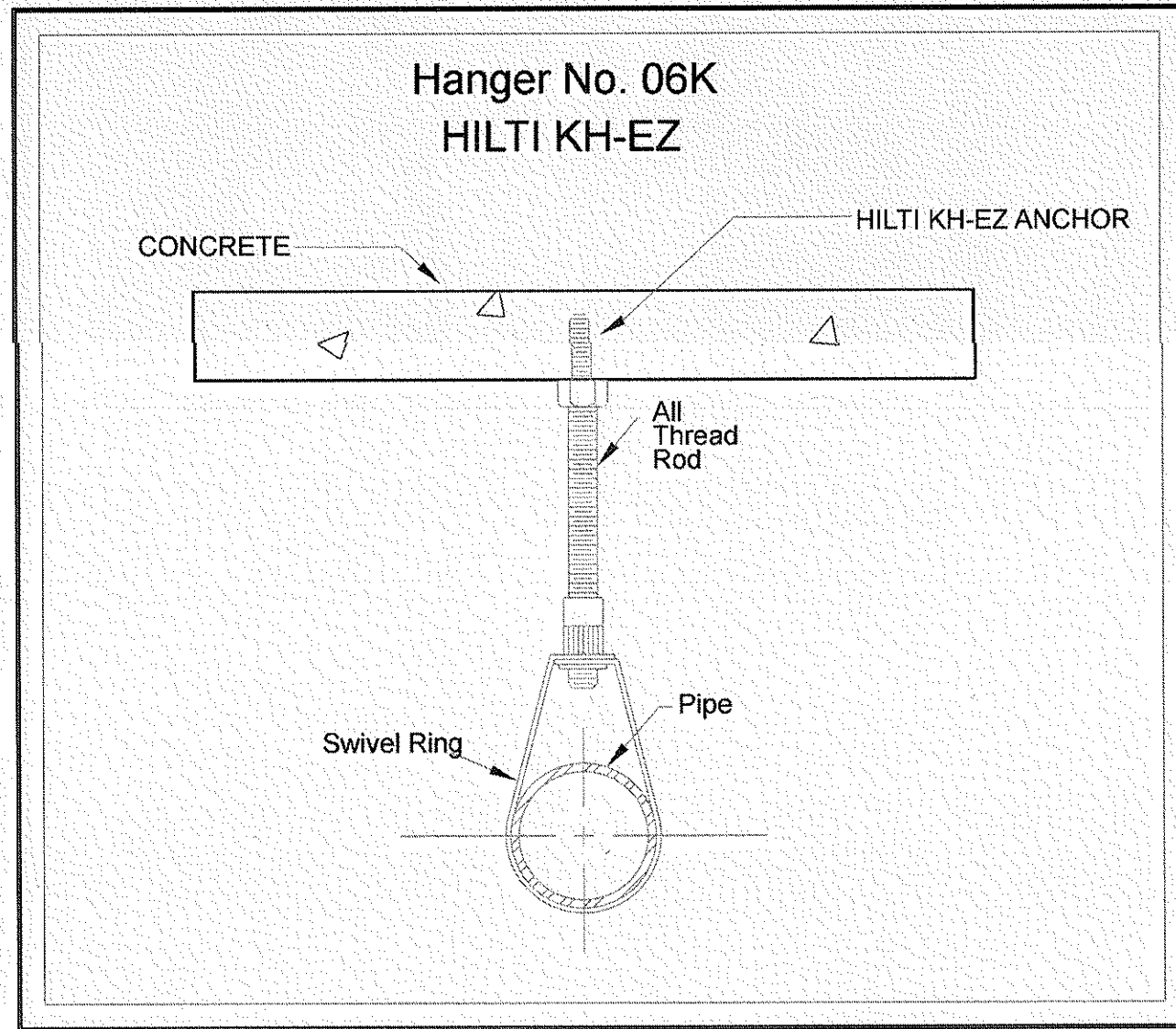
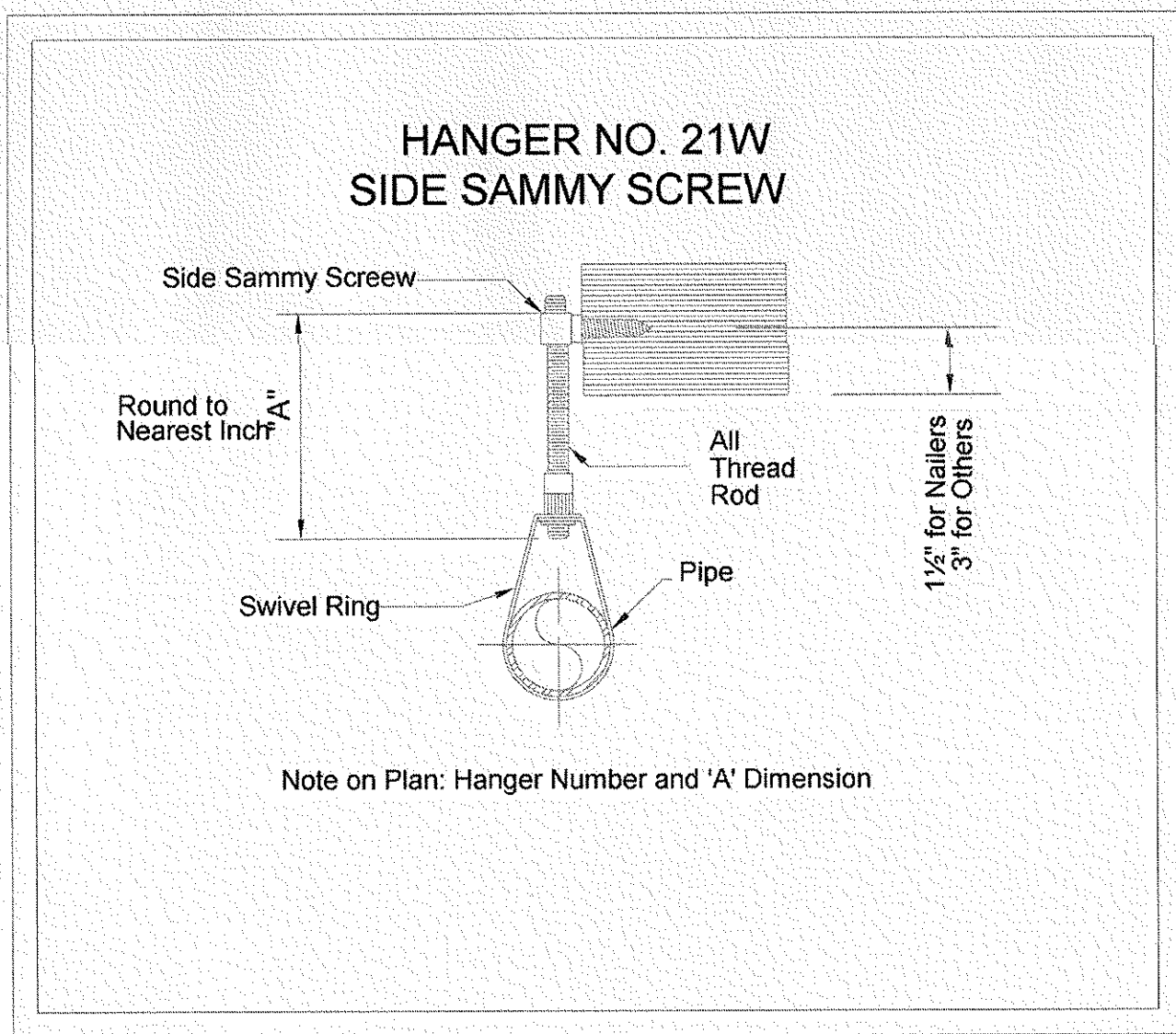
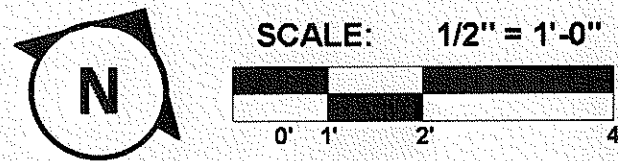
SHEET: 1 OF 1



CONNECT TO 1 1/2" DIELECTRIC
WAVEGUIDE AT BRASS
COUPLING BY OTHERS

CONNECT TO 1 1/2" DIELECTRIC
WAVEGUIDE AT DIELECTRIC
UNION BY OTHERS THIS SIDE

Sprinkler Legend										
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature
●	Viking	VK462	MIRAGE	10	5.6	Pendent	1/2"	Quick	White	155°F
○	Viking	VK462	MIRAGE	6	5.6	Pendent	1/2"	Quick	White	200°F
○	Generic			2						
○				11						
Total = 29										
										Note
										FLEX DROP
										NON-FERROUS MRI SPRINKLER
										EXISTING TO REMAIN
										TO BE REMOVED



SCOPE OF WORK

- REPLACE EXISTING SPRINKLER HEADS OUTSIDE OF MRI ROOM WITH WHITE CONCEALED PENDENTS ON FLEX DROPS
- REPLACE SPRINKLER HEADS INSIDE MRI ROOM WITH WHITE NON-FERROUS PENDENTS ON CPVC DROPS
- ALL SPRINKLER HEADS TO FALL CENTER TILE IN NEW CEILING GRID