

| | | |
|---|---|--|
| <p>TYP. HANGER #17 NO SCALE</p> <p>WOOD JOIST 1 - 3/4" A.T.R. 1 - RING 1 - MODEL GST 30 SAMMY SUPER SCREW</p> <p>For pipe sizes 4-inch and smaller</p> | <p>TYP. HANGER #15 NO SCALE</p> <p>1 - 3/4" A.T.R. 1 - RING 1 - 'SIDEWINDER' MODEL SWG 20</p> <p>For pipe sizes 3/4-inch and smaller</p> | <p>TYP. HANGER #15A NO SCALE</p> <p>2x4 1 - 2x4 TRAPEZE 1 - 3/4" A.T.R. 1 - RING 1 - 'SIDEWINDER' MODEL SWG 20</p> <p>For pipe sizes 3/4-inch and smaller</p> |
| <p>TYP. HANGER #05A NO SCALE</p> <p>2x4 1 - A.T.R. 1 - RING 1 - EYE SOCKET 1 - WASHER 1 - LAG BOLT</p> | <p>TYP. HANGER #05 NO SCALE</p> <p>1 - A.T.R. 1 - RING 1 - EYE SOCKET 1 - WASHER 1 - LAG BOLT</p> | |

GENERAL NOTES & LEGEND

THESE SHOP DRAWINGS ARE BASED ON THE OWNER'S ACCEPTANCE OF NFPA 25 AS THE OWNER'S STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS

OWNER TO PROVIDE ADEQUATE HEAT THROUGHOUT ALL AREAS WITH WET PIPE TO PREVENT PIPING FROM FREEZING

ALL DESIGN, MATERIAL & INSTALLATION TO COMPLY WITH ALL LOCAL REQUIREMENTS AND APPLICABLE NFPA STANDARDS

B.I.C. DESIGN CO. ASSUMES NO LIABILITY FOR USING UNLISTED OR UNSPECIFIED MATERIALS AND FOR ANY ALTERATIONS MADE TO THIS DESIGN DURING INSTALLATION

SPRINKLERS REQUIRED IN ALL CONCEALED SPACES THAT CONTAIN COMBUSTIBLES. SPRINKLERS NOT REQUIRED IN CONCEALED SPACES THAT ARE COMPLETELY FREE OF COMBUSTIBLES

CENTRAL MONITORING OF SPRINKLER SYSTEM TO BE BY OTHERS

ALL ELECTRICAL WIRING TO BE BY OTHERS

ALL UNDERGROUND WORK TO BE BY OTHERS

ALL SPRINKLER PIPING TO BE SUPPORTED IN ACCORDANCE W/ NFPA 13

ALL PENETRATIONS THROUGH FIRE-RATED PARTITIONS AND FLOORS TO BE FIRESTOPPED WITH U.L. LISTED FIRESTOP SYSTEMS WITH A RATING EQUIVALENT TO THE RATING OF THE PARTITION OR FLOOR

IF WET PIPE SYSTEM PRESENT, INSTALL AIR VENT NEAR THE HIGH POINT OF THE SYSTEM. VENT SHALL BE EITHER:

- MANUAL VALVE (IF MINIMUM)
- AUTOMATIC
- OTHER APPROVED METHODS

TJ - TOP OF WOOD OR STEEL JOIST ELEVATION ABOVE FIN. FLR.
 TOS - TOP OF STEEL BEAM ELEVATION ABOVE FIN. FLR.
 BOP - BOTTOM OF STEEL PURLIN ELEVATION ABOVE FIN. FLR.
 BOS - BOTTOM OF CONCRETE SLAB ELEVATION ABOVE FIN. FLR.
 B.O.L. DM. - BOTTOM OF LOUVER ELEVATION ABOVE FIN. FLR.
 B.O.B. DM. - BOTTOM OF BEAM ELEVATION ABOVE FIN. FLR.
 C.L. DM. - CENTER LINE OF PIPE BELOW STRUCTURE ELEVATION
 C.L. DM. - CENTER LINE OF PIPE ELEVATION ABOVE FIN. FLR.

○ DIM. - FINISHED CEILING HEIGHT ABOVE FIN. FLR.
 ○ DIM. - PIPE-O-LET
 ○ DIM. - GROOVE SHAPED NIPPLE
 DN - DOWN OR DROP NIPPLE
 H.I.F. - TO BE HUNG IN FIELD
 U.N.D. - UNLESS NOTED OTHERWISE
 ○ - GROOVE COUPLING
 ○ - APPROVED TYPE HANGER ON A PIPE
 ○ - HYDRAULIC REFERENCE POINT
 ○ - PLASTIC STEEL PIPE ADAPTER
 ● - 1" VERTICAL RISER FROM FLOOR TO FLOOR U.N.D.
 --- SHEAR WALL

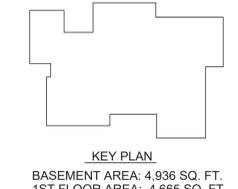
| HANGER SPACING FOR PLASTIC PIPE | | HANGER SPACING FOR STEEL PIPE | |
|---------------------------------|----------------|-------------------------------|----------------|
| PIPE SIZE | HANGER SPACING | PIPE SIZE | HANGER SPACING |
| 1" | 6" | 1", 1 1/4" | 12" |
| 1 1/4" | 6 1/2" | 1 1/2", 1 3/4" | 15" |
| 1 1/2" | 7" | | |
| 2" | 8" | | |
| 2 1/2" | 9" | | |
| 3" | 10" | | |

PIPE TYPE:
 BASEMENT - WET SYSTEM
 ALL PIPING TO BE CPVC PLASTIC PIPE
 1ST FLOOR/ATTIC - DRY SYSTEM
 ALL 1" PIPE TO BE THREADED SCH 40
 ALL PIPE 1 1/4" AND LARGER TO BE WELDED WELDED LINES/MAINS: SCH 10

BUILDING TYPE: NEW
 CONSTRUCTION:
 WOOD TRUSS

| THREAD | MAKE | S.I.N. | MODEL | KF | TEMP. | SYMBOL | QUANT. |
|--------|------|--------|-------|----|-------|--------|--------|
| | | | | | | | TOTAL |

DESIGN CRITERIA:



3/8/24

ABBREVIATIONS & SYMBOLS

SPR - SPRINKLER
 P&S & T&S (TOP OF STEEL TRUSS/ROOF PLIN)
 A.S.T. - ABOVE SLAB TOP OF TYPE
 D.P. - DUTILE IRON PIPE
 C.I. - CAST IRON
 G.C. - GROOVE SHAPED CONNECTION
 G.O.V. - GROOVE SHAPED VALVE
 S.S. - STANDARD SPRAY UPRIGHT
 S.S.P. - STANDARD SPRAY PENDENT
 H.W. - HORIZONTAL WALL
 Q.R. - QUICK RESPONSE
 E.C. - EXTENDED COVERAGE
 W. - WOOD PIPE
 W.F. - WELDED FLANGE (L-BEAM)
 W.T. - ALL THREAD ROD
 C.D. - HYDRAULIC REFERENCE NODE

FLOW TEST DATA:

STATIC - 84
 RESIDUAL - 58
 FLOW - 2000 gpm

LOCATION - SE JOEL AVE
 BY - LEE'S SUMMIT WATER DEPARTMENT

REVISIONS

| DATE | DESCRIPTION |
|------|-------------|
| | |

FOR APPROVAL

CLUBHOUSE
 50 HWY & BLACKWELL
 Lee's Summit, MO

RESIDENCES AT BLACKWELL

Alliance Fire Protection
 150 W 9th Ave
 Suite 101
 NORTH KANSAS CITY, MO 64110
 PHONE (816) 888-0618
 FAX (816) 888-0618

REVIEWING AUTHORITY

TOTAL HEADS THIS SHEET: 220
 TOTAL HEADS FOR JOB: 220
 SCALE: 1/4" = 1'-0"
 DRAWN BY: I.W.
 DATE DRAWN: 3/8/24
 CONTRACT NUMBER: NC-1429
 DRAWING NUMBER: PFS OF 5