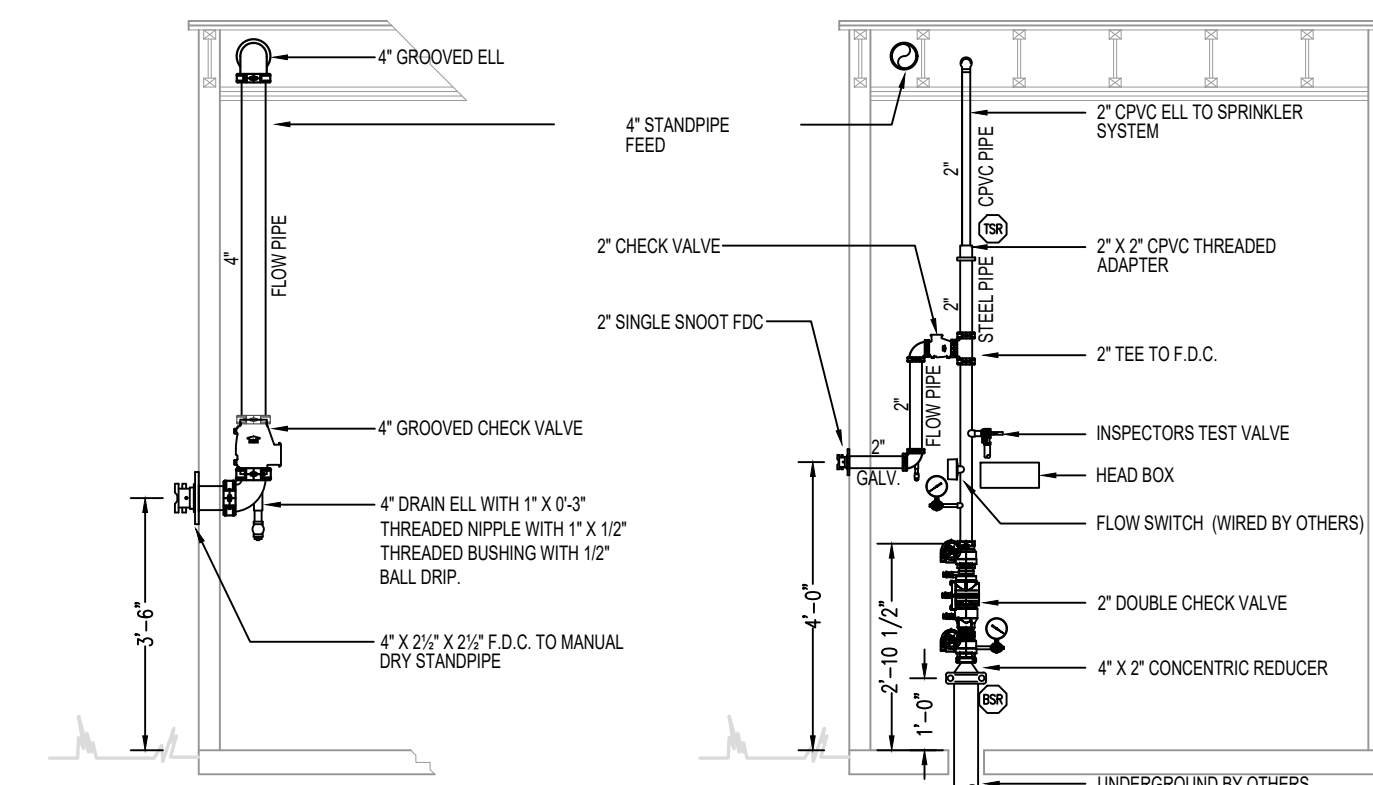
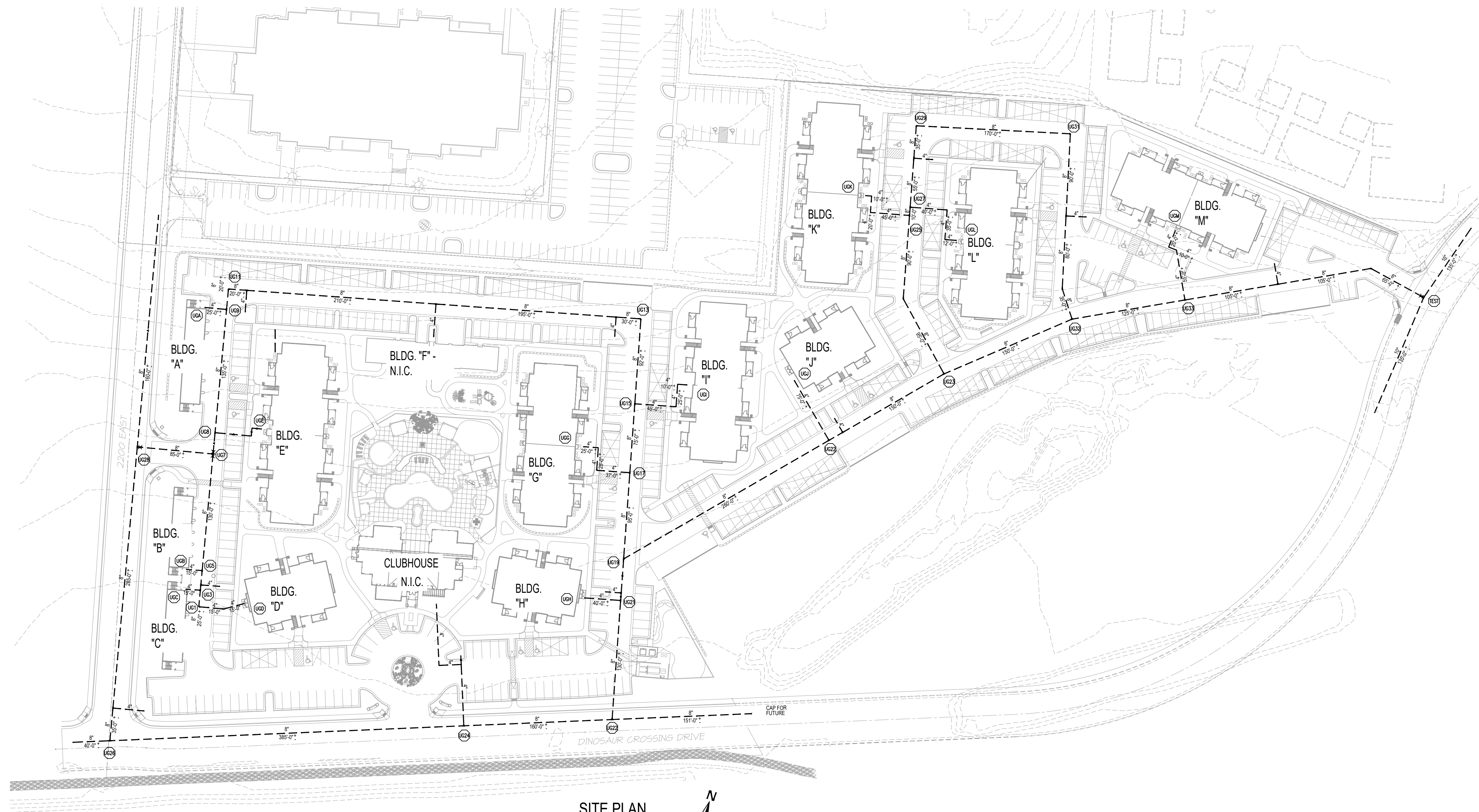
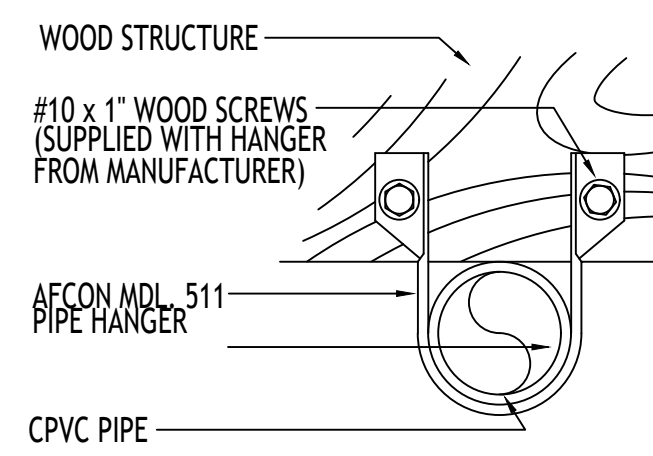
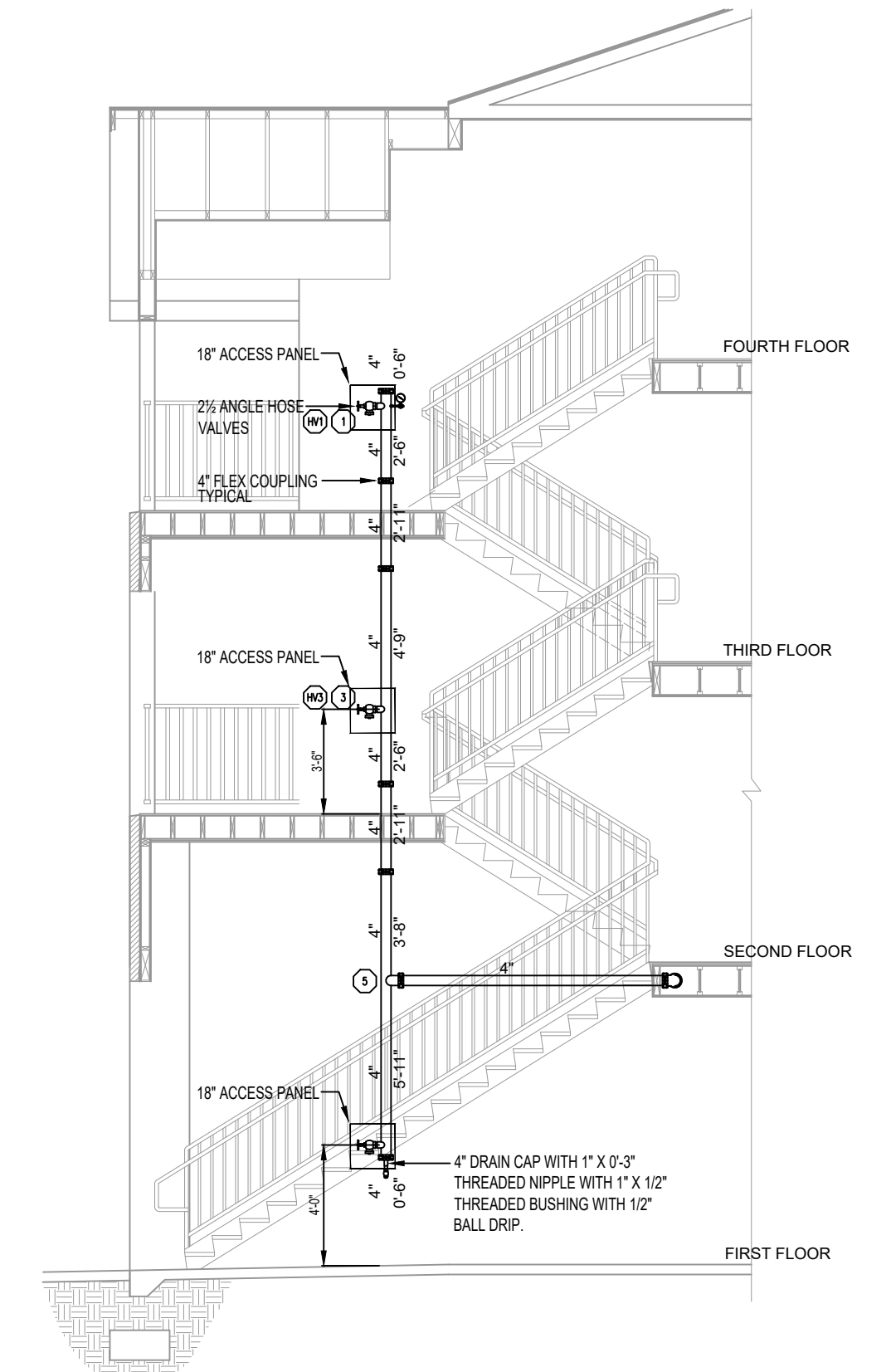
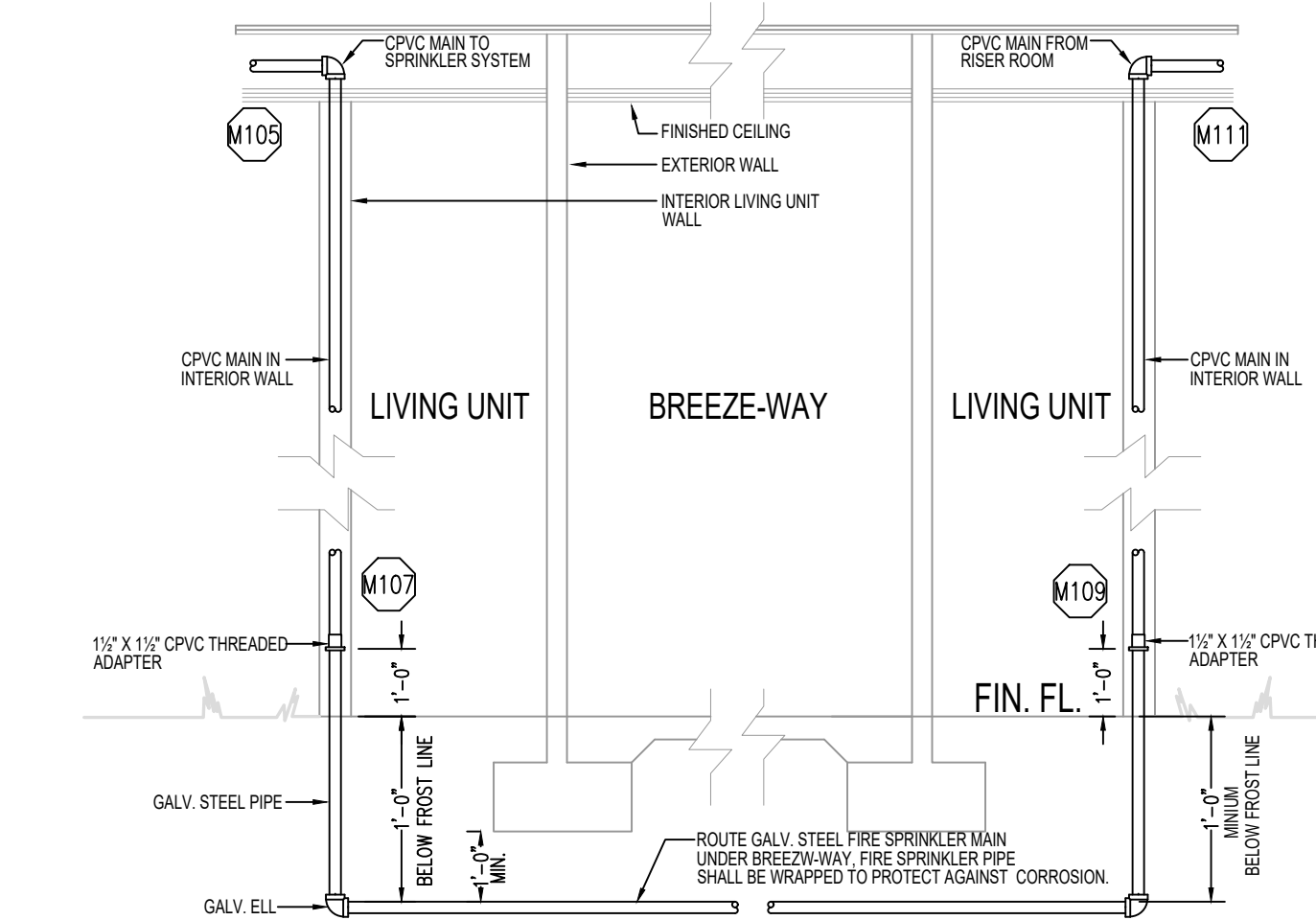


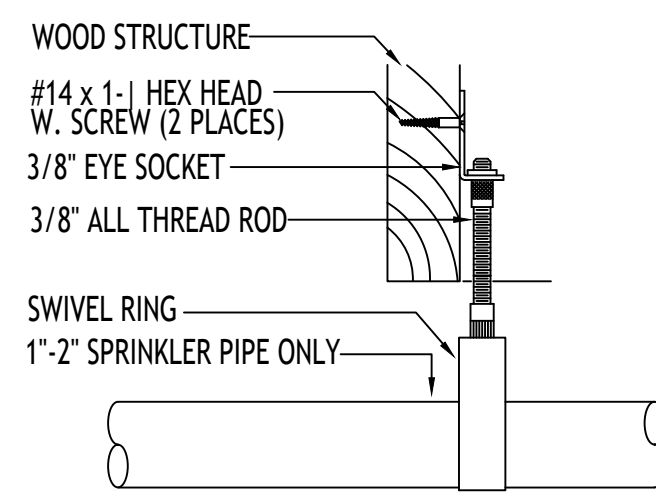


TYPICAL RISER & STANDPIPE / FDC DETAIL
SCALE: 3/8" = 1'-0"
THIS RISER DETAIL EXCLUDES BUILDINGS A, B & C



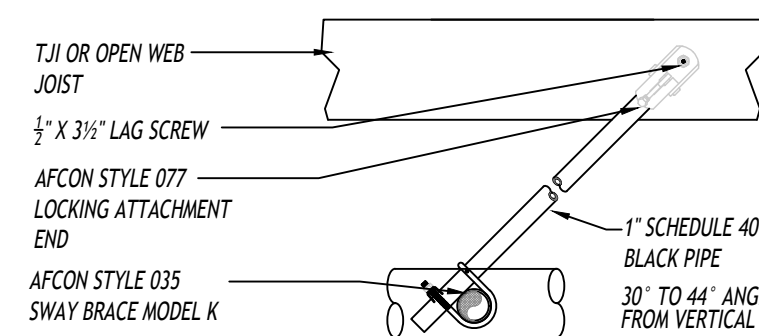
**AFCON 511
WOOD JOIST HANGER**

SCALE: N.T.S.



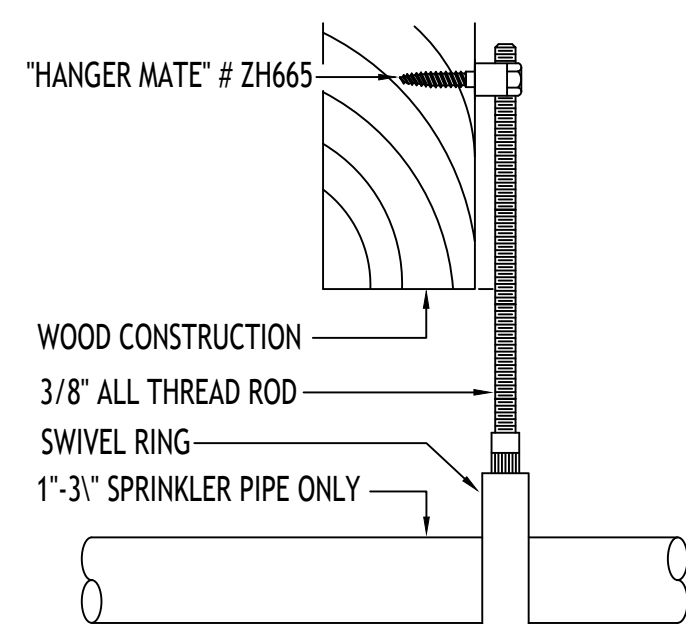
**CONVENTIONAL
WOOD JOIST HANGER**

SCALE: N.T.S.



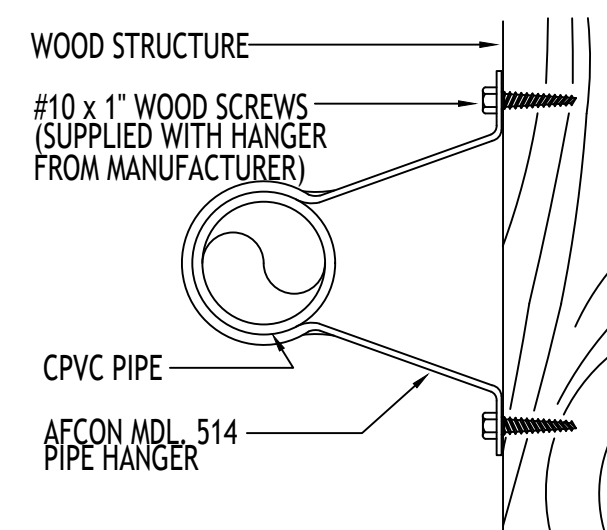
**LONGITUDINAL SEISMIC
WOOD JOIST HANGER**

SCALE: N.T.S.



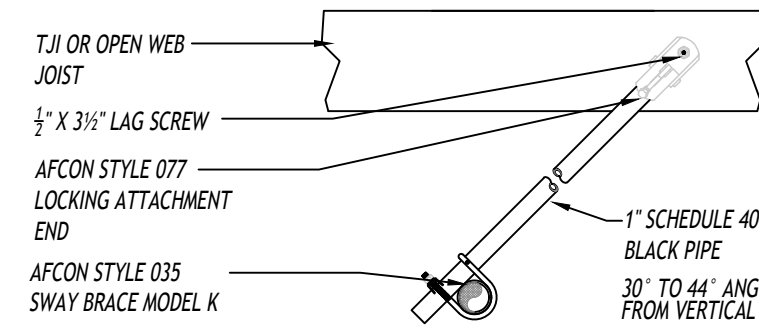
**CONVENTIONAL
WOOD JOIST HANGER**

SCALE: N.T.S.



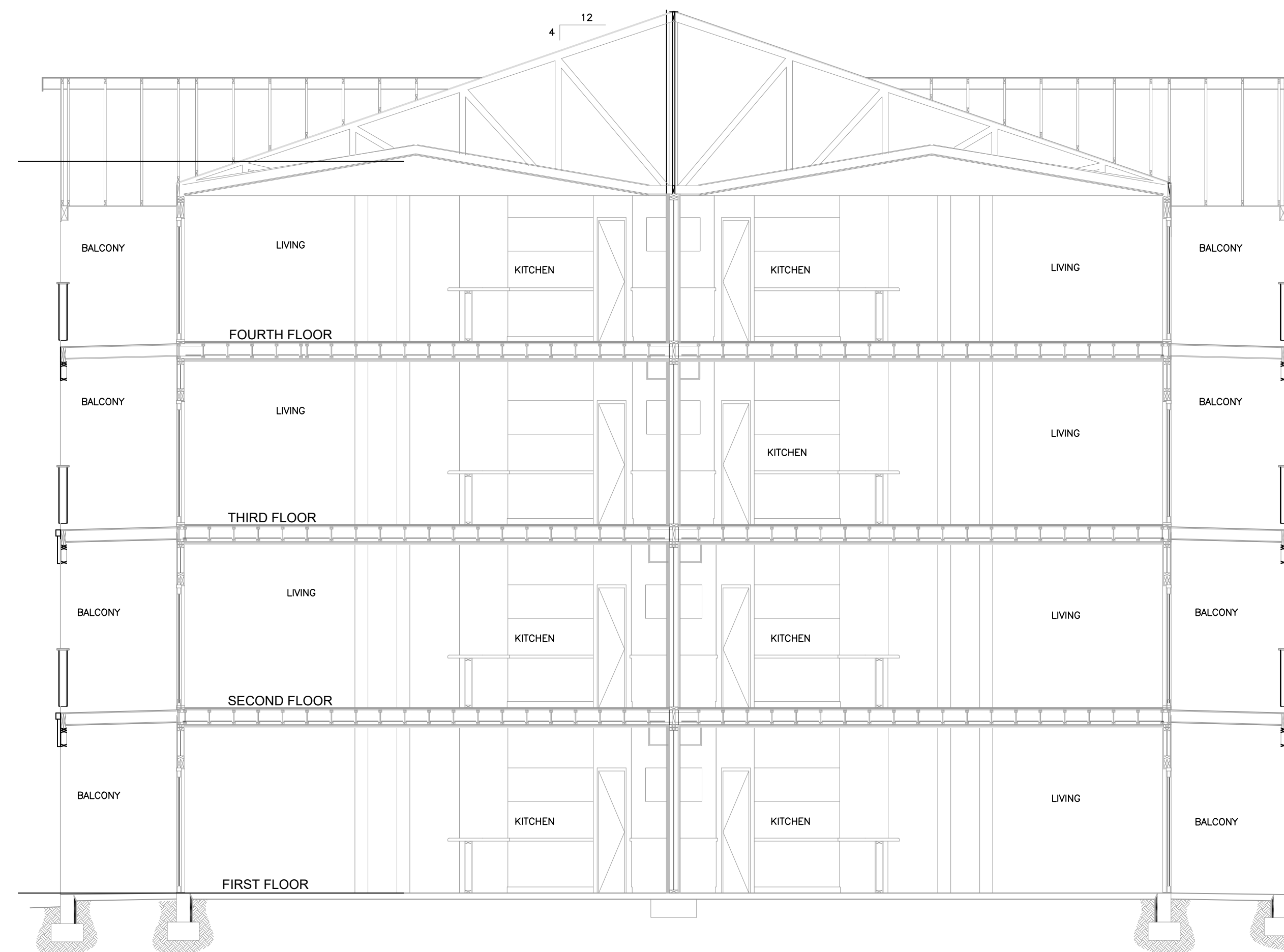
**AFCON 514
WOOD JOIST HANGER**

SCALE: N.T.S.



**LATERAL SEISMIC
WOOD JOIST HANGER**

SCALE: N.T.S.



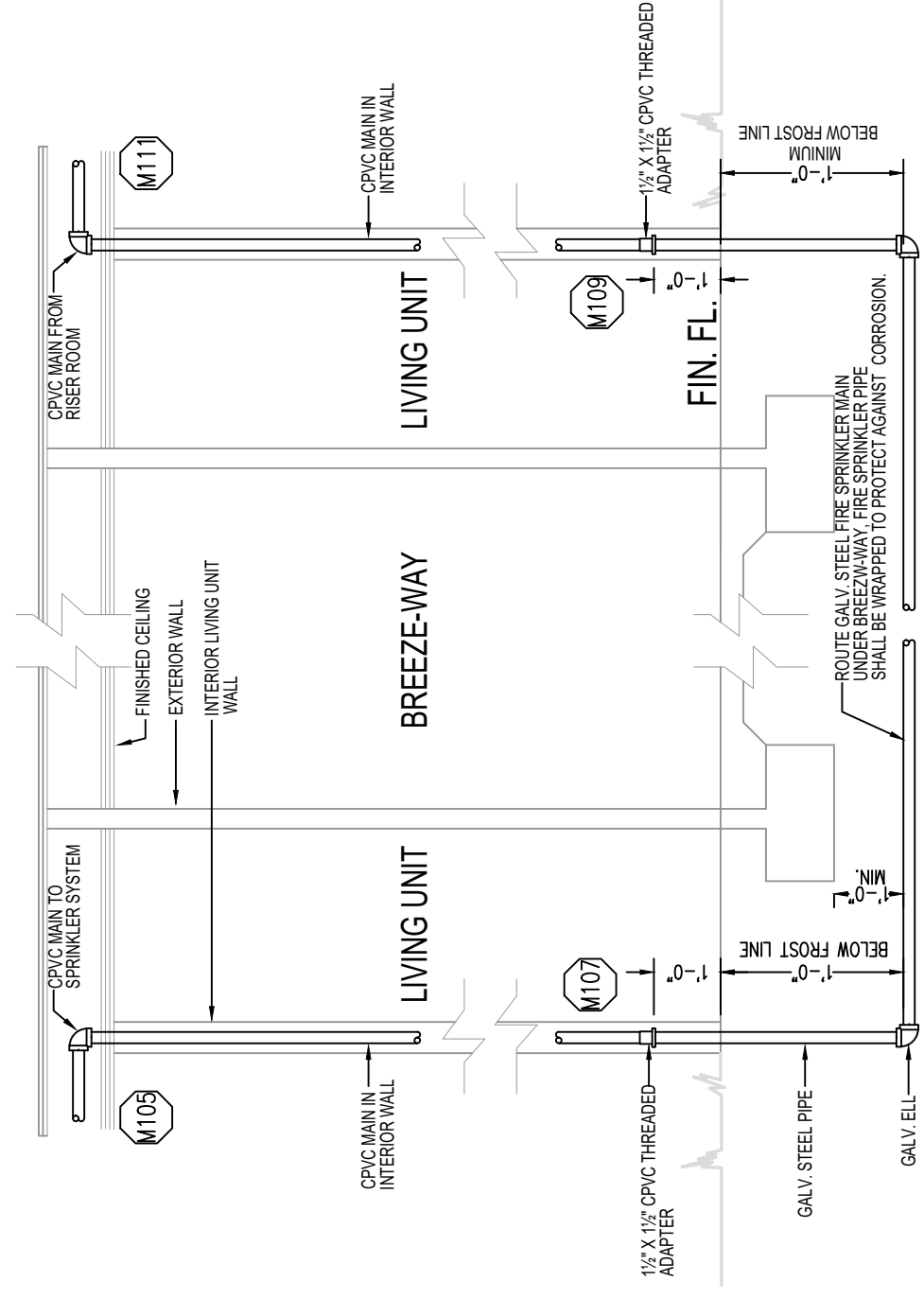
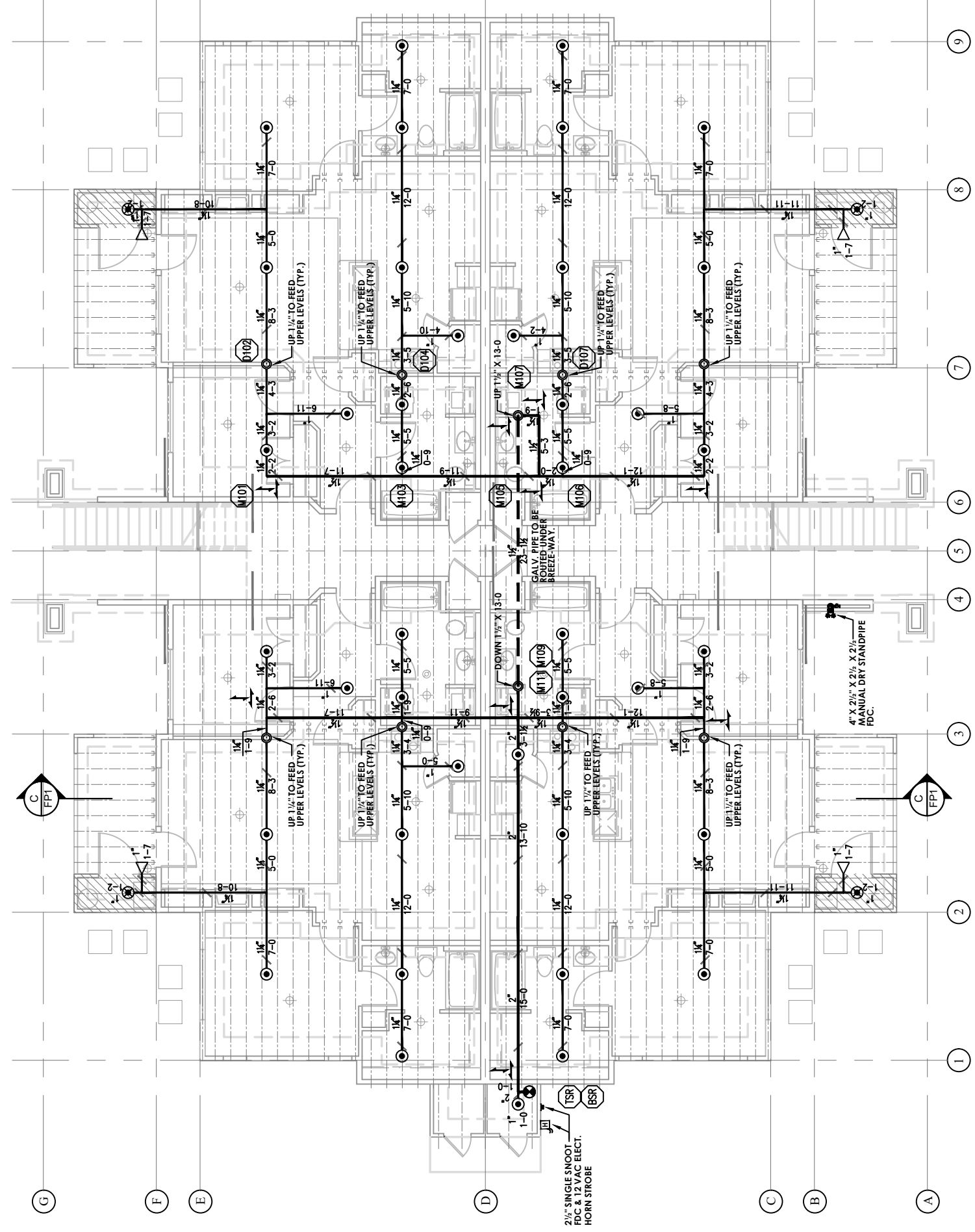
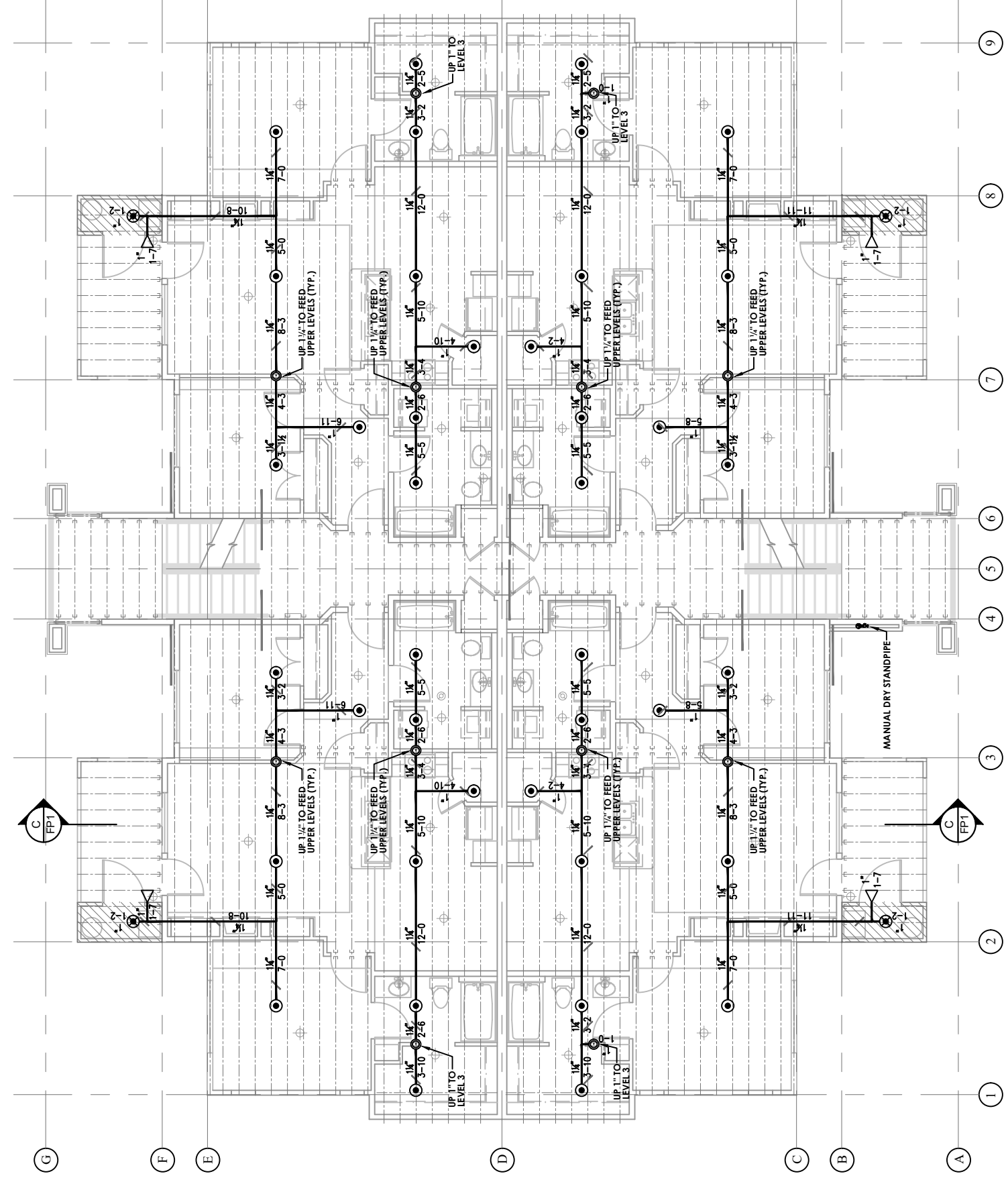
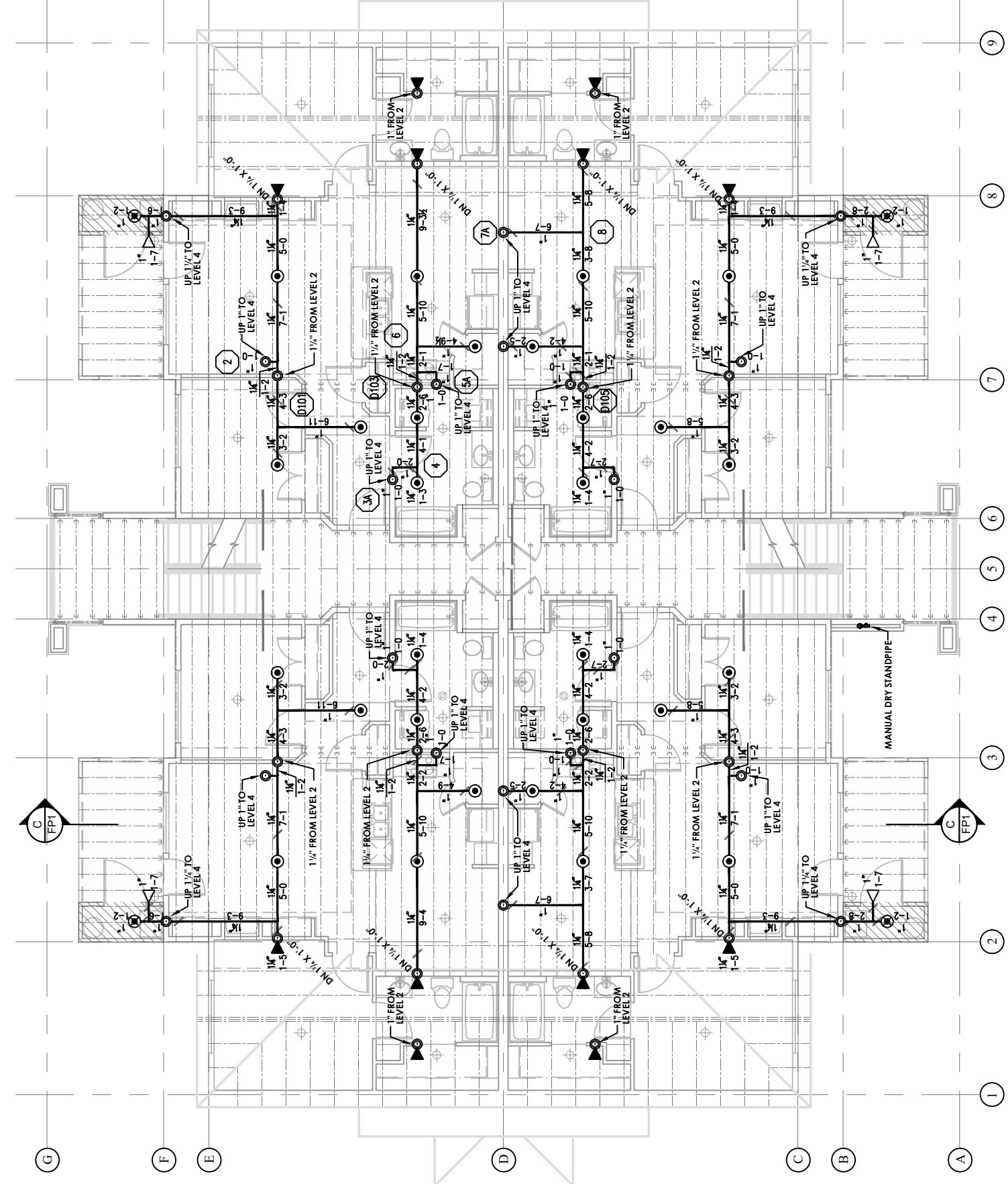
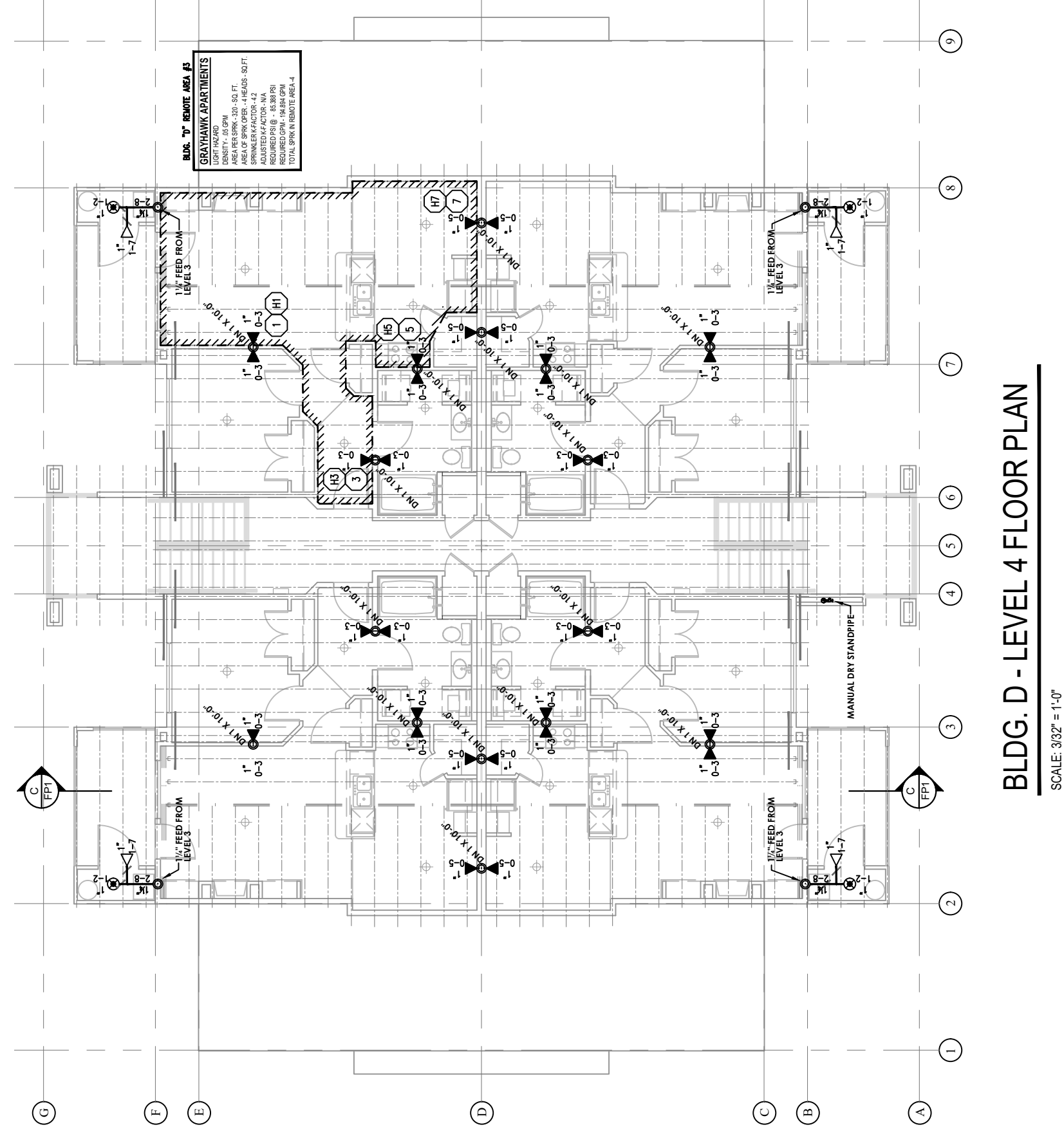
GRAYHAWK APARTMENTS

DESIGNED PER NFPA 13R, 2010 EDITION
DESIGNED PER NFPA 14, 2010 EDITION

- SHEET 1: TITLE AND DETAIL PAGE
- SHEET 2: BUILDING A, B & C FIRE PROTECTION PLAN
- SHEET 3: BUILDING D FIRE PROTECTION PLAN
- SHEET 4: BUILDING E FIRE PROTECTION PLAN
- SHEET 5: BUILDING F FIRE PROTECTION PLAN
- SHEET 6: BUILDING H FIRE PROTECTION PLAN
- SHEET 7: BUILDING I FIRE PROTECTION PLAN
- SHEET 8: BUILDING J FIRE PROTECTION PLAN
- SHEET 9: BUILDING K FIRE PROTECTION PLAN
- SHEET 10: BUILDING L FIRE PROTECTION PLAN
- SHEET 11: BUILDING M FIRE PROTECTION PLAN

FIRE PROTECTION GENERAL NOTES:

- THIS FIRE SPRINKLER SYSTEM HAS BEEN DESIGNED FOR "THE GRAYHAWK APARTMENTS" PROJECT.
- SCOPE OF WORK CONSISTS OF PROVIDING A FIRE SPRINKLER SYSTEM IN BUILDINGS A, B, C, D, E, G, H, I, J, K, L, & M. STARTING POINT SHALL BE 1'-0" ABOVE FINISHED FLOOR IN THE BUILDING RISER ROOM. FIRE PROTECTION OF ANY KIND, INCLUDING DESIGN, LABOR, MATERIAL & INSTALLATION IN BLDG. F, CLUBHOUSE, ACTIVITY CENTER, GAZEBOS, AND ALL PARKING CANOPIES ARE NOT INCLUDED IN THIS SCOPE OF WORK.
- BUILDINGS D, E, G, H, I, J, K, L, & M ARE DESIGNED FOR A WET PIPE FIRE SPRINKLER SYSTEM. ALL WORK SHALL BE INSTALLED AND TESTED PER N.F.P.A. 13R 2010, EDITION ALL FIRE SPRINKLER PIPING IN THESE BUILDINGS SHALL BE CPVC. BUILDINGS A, B & C HAVE BEEN DESIGNED FOR A DRY PIPE FIRE SPRINKLER SYSTEM. ALL FIRE SPRINKLER PIPE IN THESE BUILDINGS SHALL BE BLACK STEEL DYNA-THREAD AND / OR DYNAFLOW PIPE. BUILDINGS D, E, G, H, I, J, K & L SHALL HAVE MANUAL DRY STANDPIPES INSTALLED. ALL MANUAL DRY STANDPIPE SYSTEMS WILL BE DESIGNED, INSTALLED AND TESTED TO MEET THE REQUIREMENTS OF N.F.P.A. 14, 2010 EDITION.
- PER N.F.P.A. 13R, 6.4.2 SPRINKLERS ARE NOT REQUIRED IN BATHROOMS 55 sq. ft. OR LESS.
- PER N.F.P.A. 13R, 6.4.3 SPRINKLERS ARE NOT REQUIRED IN CLOTH CLOSETS, LINEN CLOSETS & PANTRIES THAT ARE LESS THAN 24 sq. ft. IN AREA, AND THE LEAST DIMENSION DOES NOT EXCEED 3 FT. AND THE WALLS & CEILINGS ARE SURFACED WITH NON OR LIMITED COMBUSTIBLE MATERIALS.
- PER N.F.P.A. 13R, 6.5 EXCEPT AS PROVIDED FOR IN 6.5.1, SPRINKLERS SHALL NOT BE REQUIRED IN ANY PORCHES, BALCONIES, CORRIDORS, CARPORTS, PORTE COCHERES, AND STAIRS THAT ARE OPENED AND ATTACHED.
- PER N.F.P.A. 13R, 6.6.7 SPRINKLERS SHALL NOT BE REQUIRED IN CLOSETS (REGARDLESS OF SIZE) ON EXTERIOR BALCONIES AND EXTERIOR BREEZEWAYS / CORRIDORS, REGARDLESS OF SIZE, AS LONG AS THE CLOSET DOES NOT HAVE DOORS OR UNPROTECTED PENETRATIONS INTO THE DWELLING UNITS.
- N.F.P.A. 13R DOES NOT REQUIRE SPRINKLERS IN ATTICS OR CONCEALED INTERSTITIAL SPACES. CERTIFIED FIRE PROTECTION HAS NOT BEEN CONTRACTED TO PROVIDE FIRE PROTECTION OF ANY KIND IN ATTICS OR CONCEALED INTERSTITIAL SPACES.
- ELECTRIC SPRINKLER FLOW DETECTION AND SUPERVISORY DEVICES FOR THE MONITORING OF THE SPRINKLER SYSTEM SHALL BE INSTALLED BY CERTIFIED FIRE PROTECTION. AN ELECTRIC HORN STROBE AND WATER PROOF BOX WILL BE PROVIDED. INSTALLATION OF THE BOX AND ALL WIRING SHALL BE DONE BY OTHERS.
- EXPOSED FIRE SPRINKLER SYSTEM PIPE IN THE RISER ROOM SHALL BE BLACK DYNA-FLOW STEEL PIPE. CONCEALED PIPE BEYOND THE RISER ROOM SHALL BE CPVC. ALL STANDPIPE PIPING SHALL BE BLACK STEEL DYNA-FLOW.
- PER NFPA 13R 6.4.3.4 ALL FIRE SPRINKLER HEADS SHALL BE LOCATED A MINIMUM OF 3'-0" FROM THE CENTER-LINE OF LIGHT FIXTURES.



CPVC Sheet Notes

1. RESORTIAL PENDENT SPRINKLERS ARE CALCULATED TO 20-20'. MAXIMUM SPACING FROM ANY WALL IS 10'. RESORTIAL HANG ARE CALCULATED AT 18 x 20'. MAXIMUM SPACING TO SIDE WALL IS 8' AND TO FRONT WALL IS 20'. EXCEPT AS NOTED ON THE DRAWINGS, STANDARD SPRINKLERS ARE SPACED PER NFPA 13.
2. CPVC TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. ATTACH (HANG) PIPE TO TOP CHORD OF JOISTS OR TRUSSES AND FROM THE SIDE OF JOISTS ON TRUSSES WHERE POSSIBLE, WHILE MAINTAINING PROPER SPACING TO WALLS.

CPVC Piping Installation Requirements

- UNITS -** CPVC (CHLORINATED POLYVINYL CHLORIDE) PIPE FILLED OUT TO THE C-C LENGTHS INDICATED ON THE PLAN. FIRST FIVE LENGTHS CHAMFERED AND DEBURRED. FUSED JOINTS UTILIZING A COMBINATION OF SOLVENT & CEMENT IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION. UTILIZED FOR WET-PIPE SYSTEM ONLY.
- HANGERS -** PIPE HANGERS SHALL BE ZED, SPACED AND ATTACHED AS REQUIRED BY SPINNER STANDARDS. NO OTHER SPINNS AND OR DEVICES ARE TO BE INSTALLED ON THE SPINNER PIPE HANGER. THIS SYSTEM DOES NOT HAVE ANY SPECIALTY DESIGNED FOR THE ADDITIONAL LOADING. THIS CONTRACT DOES NOT INCLUDE ANY MATERIAL OR DEVICES TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO BE ABLE TO CARRY THE LOAD OF THE FIRE PROTECTION SYSTEM. SEE DETAILS ON THIS SHEET FOR THE SPECIFIC HANGER ASSEMBLIES USED FOR THIS INSTALLATION.

TABLE 1. MAXIMUM DISTANCE BETWEEN HANGERS (Ft. • IN.)					
PIPE TYPE	NOMINAL PIPE SIZE (IN.)				
	3/4	1	1 q	2	2h 3
CPVC					

TABLE-N MAXIMUM DISTANCE FROM SPRINKLER TO NEAREST RESTRAINT HANGER (IN)

PIPE TYPE	NOMINAL PIPE SIZE (IN.)	
CVC	3/4	1q 1h&UP

NFPA 13R Sprinkler Head Location Requirements

LOCATION OF SPRINKLERS PER NFPA 13B, 2010:
SPRINKLERS SHALL BE INSTALLED IN ALL AREAS:

EXCEPTION NO. 1: SPRINKLERS SHALL NOT BE REQUIRED IN BATHROOMS WHERE THE AREA DOES NOT EXCEED 100 SQ. FT. AND THERE IS NO NON-COMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIAL PROVIDING A 15 MINUTE THERMAL BARRIER.

EXCEPTION NO. 2: SPRINKLERS ARE NOT REQUIRED IN CLOTHES CLOSETS, LINEN CLOSETS, AND PANTRIES WITHIN THE DWELLING UNITS WHERE THE AREA OF THE SPACE DOES NOT EXCEED 25 SQ. FT. AND THE DRAFT DIMENSION OF THE SPACE DOES NOT EXCEED 10 FT. UNLESS THE SPACE IS USED FOR STORAGE OF COMBUSTIBLE MATERIALS AS DEFINED BY NFPA 253 STANDARD ON TYPES OF BUILDING CONSTRUCTION.

EXCEPTION NO. 3: SPRINKLERS ARE NOT REQUIRED IN ANY PORCHES, BALCONIES, CORRIDORS AND STAIRS THAT ARE OPEN AND ATTACHED.

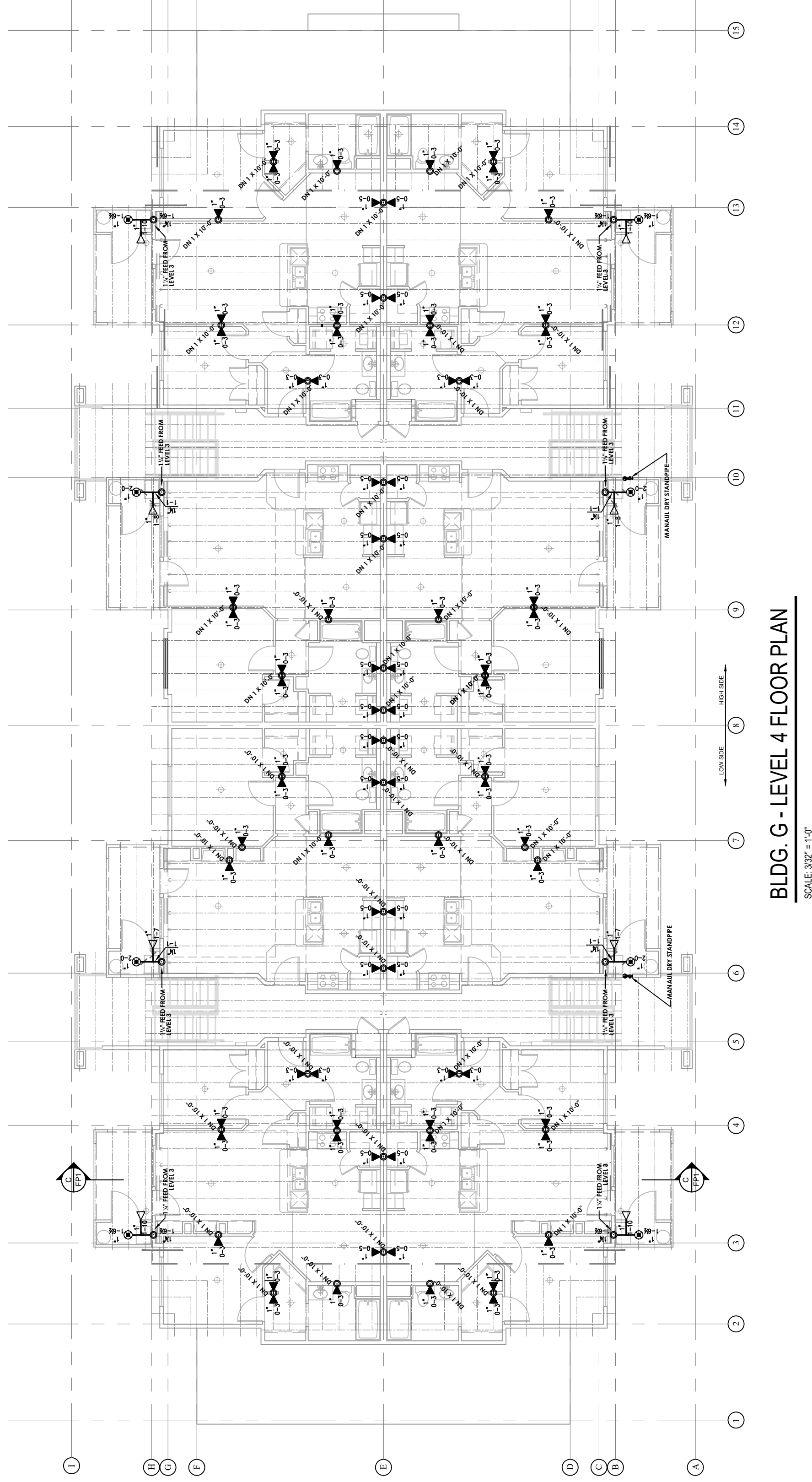
EXCEPTION NO. 4: SPRINKLERS ARE NOT REQUIRED IN ANY PORCHES, BALCONIES, CORRIDORS AND STAIRS EXTENDED FOR USE OF PARKING OR STORAGE.

EXCEPTION NO. 5: SPRINKLERS ARE NOT REQUIRED IN ATTIC, FINISHHOUSE EQUIPMENT ROOMS, CRAWL SPACES, UNFINISHED ATTIC, UNFINISHED BASEMENT, UNFINISHED GARAGE, UNFINISHED PORCHES OR STORAGE.

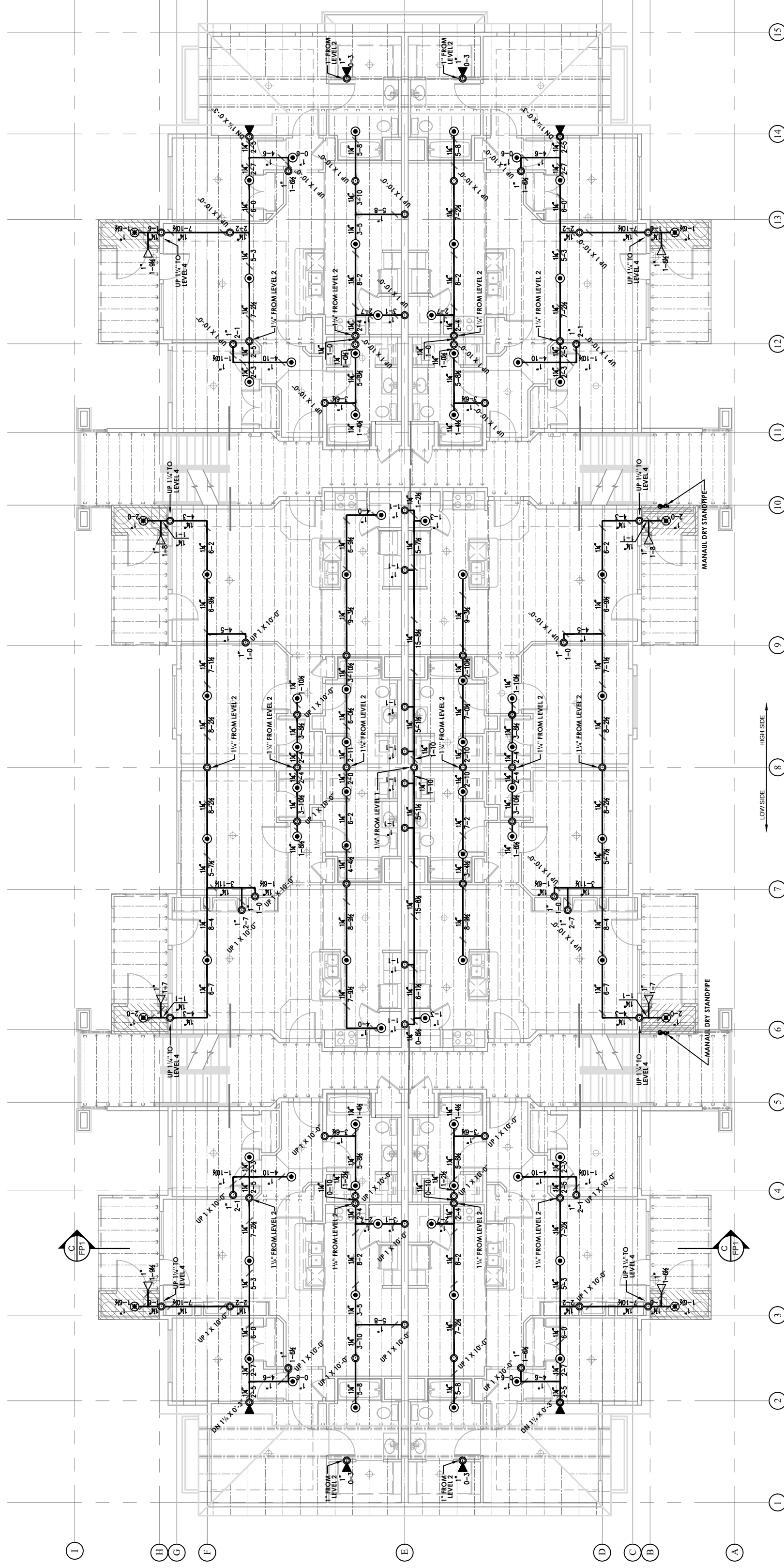
GRAYHAWK APARTMENTS

DESIGNED PER NFPA 13R, 2010 EDITION
DESIGNED PER NFPA 14, 2010 EDITION

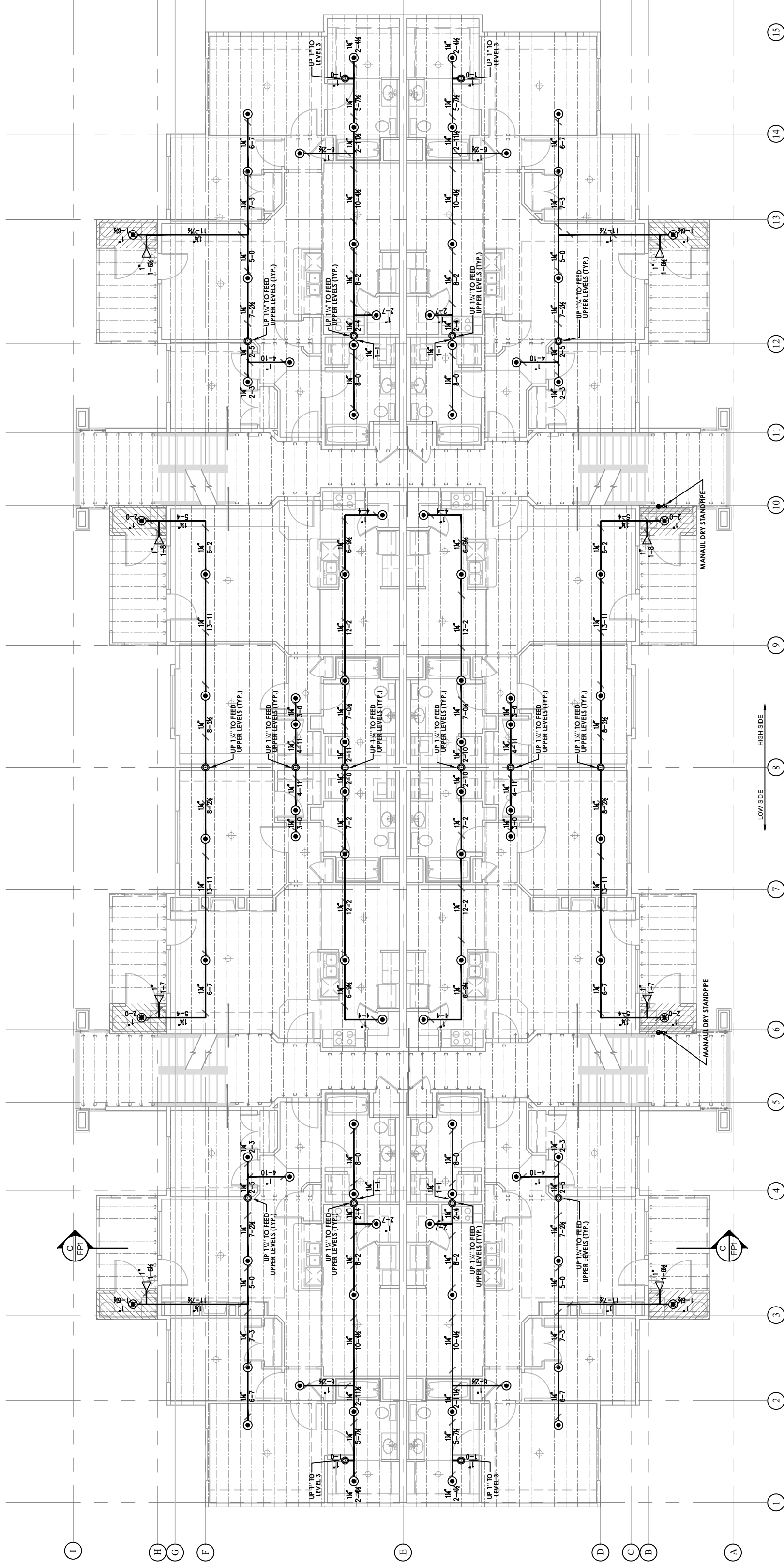
- SHEET 1: TITLE AND DETAIL PAGE
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SHEET 11: BUILDING L FIRE PROTECTION PLAN



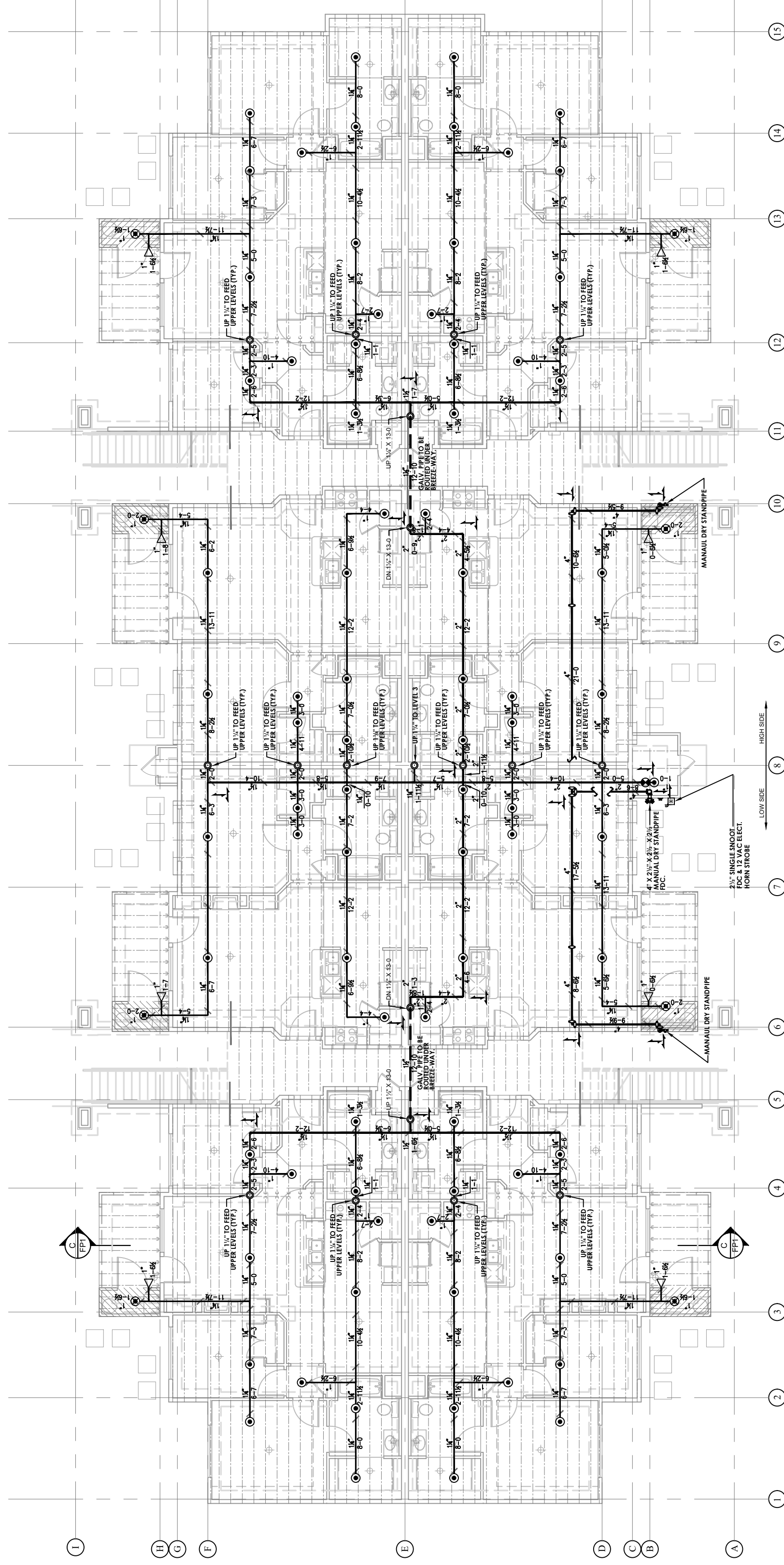
BLDG. G - LEVEL 4 FLOOR PLAN
SCALE: 1/8" = 1'-0"



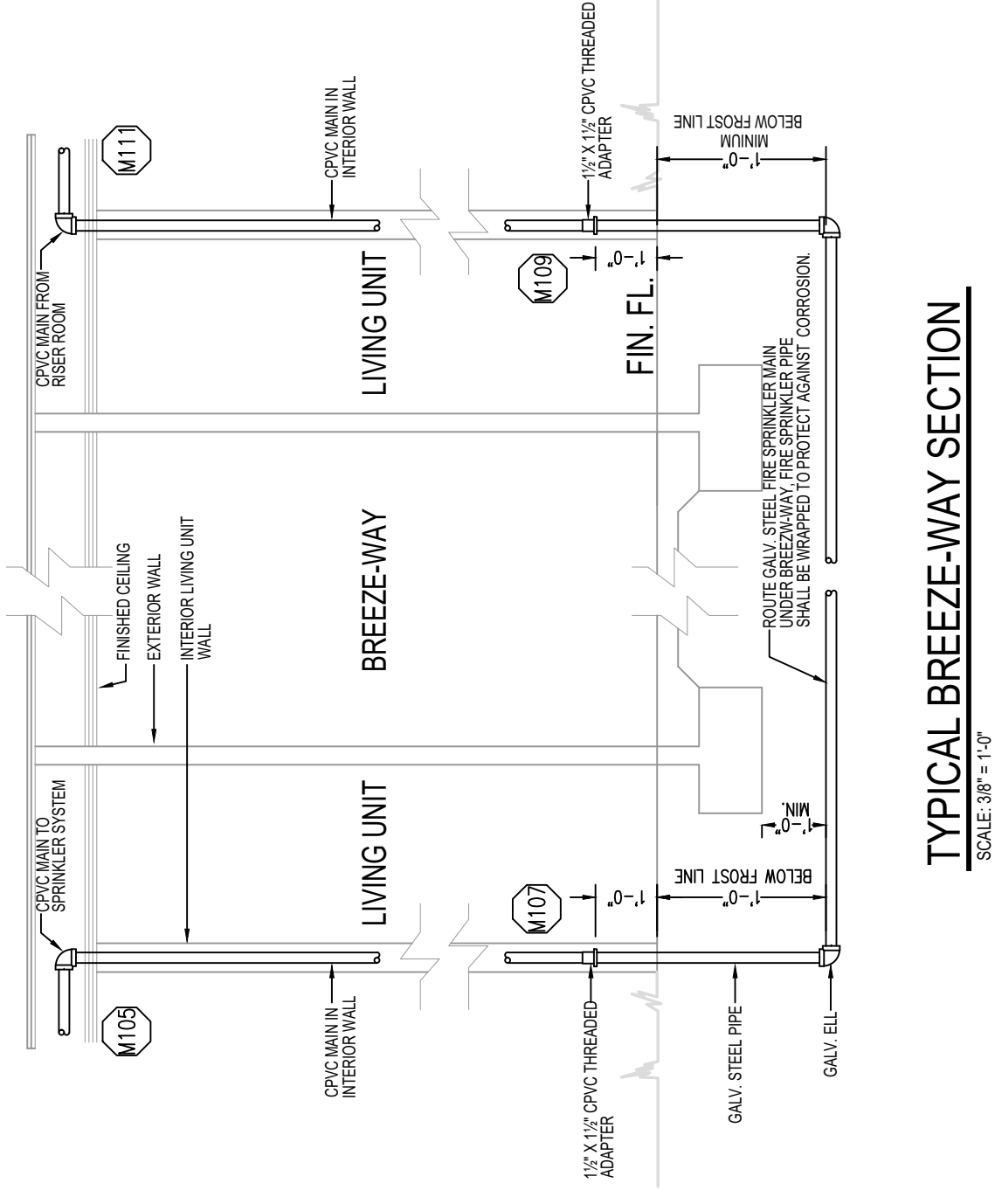
BLDG. G - LEVEL 3 FLOOR PLAN
SCALE: 1/8" = 1'-0"



BLDG. G - LEVEL 2 FLOOR PLAN
SCALE: 1/8" = 1'-0"



BLDG. G - LEVEL 1 FLOOR PLAN
SCALE: 1/8" = 1'-0"



TYPICAL BREEZE-WAY SECTION
SCALE: 1/8" = 1'-0"

NOTE: HYDRAULIC CALCULATIONS FOR BLDG "G"
ARE BASED ON BLDG. "E".

CPVC Sheet Notes

1. RESIDENTIAL PENDENT SPRINKLERS ARE CALCULATED TO 30' 20" MAXIMUM SPACING FROM ANY WALLS IS 15'. RESIDENTIAL RISE ARE CALCULATED AT 15' 20" MAXIMUM SPACING TO RISE WALLS AND TO ROOF WALL 15' 20". EXCEPT AS NOTED ON THE DRAWINGS, STANDARD SPRINKLERS ARE SPACED PER NFPA 13.
2. CPVC TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. ATTACH (HANG) PIPE TO JOIST OR TRUSSES AND FROM THE SIDE OF JOISTS OR TRUSSES WHERE POSSIBLE, WHILE MAINTAINING PROPER SPACING TO WALLS.

CPVC Piping Installation Requirements

- LINES - CPVC (CHLORINATED POLYVINYL CHLORIDE) PIPE CUT TO THE C-C LOCATIONS INDICATED ON THE PLAN. FIRST FIELD CLEARED, CHAMFERED AND THREADED FIELD JOINTS USING A COMBINATION OF SOLVENT & TIGHTENING OF THE JOINTS. THE JOINTS SHALL BE INSTALLED IN THE FIELD OF THE PIPE. THE JOINTS SHALL BE INSTALLED IN THE FIELD OF THE PIPE. THE JOINTS SHALL BE INSTALLED IN THE FIELD OF THE PIPE.
- HANGERS - PIPE HANGERS SHALL BE USED. HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA 13. HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA 13. HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA 13.

TABLE 1: MAXIMUM DISTANCE BETWEEN HANGERS (FT. - IN.)

PIPE TYPE	3/4"	1"	1 1/4"	2"	3"
CPVC	5.4	6.0	6.4	7.0	8.0

TABLE N: MAXIMUM DISTANCE FROM SPRINKLER TO NEAREST RESTRAINT HANGER (IN.)

PIPE TYPE	3/4"	1"	1 1/4"	2"	3"
CPVC	9	12	16	24	

NFPA 13R Sprinkler Head Location Requirements

1. LOCATIONS OF SPRINKLERS FOR NFPA 13R, 2013.

SPRINKLERS SHALL BE INSTALLED IN ALL AREAS.

EXCEPTION NO. 1: SPRINKLERS SHALL NOT BE REQUIRED IN BATHROOMS WHERE THE AREA DOES NOT EXCEED 55 SQ. FT. AND THE WALLS AND CEILING, INCLUDING BEHIND FIXTURES, ARE OF NONCOMBUSTIBLE OR LIMITED COMBUSTIBLE MATERIAL PROVIDING A 15 MINUTE THERMAL BARRIER.

EXCEPTION NO. 2: SPRINKLERS ARE NOT REQUIRED IN CLOSET, LINEN CLOSET, AND PANTRY WITHIN THE DWELLING UNITS WHERE THE AREA OF THE SPACE DOES NOT EXCEED 24 SQ. FT. AND THE LEAST DIMENSION OF THE SPACE IS NOT LESS THAN 6' 0". SPRINKLERS SHALL NOT BE REQUIRED IN CLOSET, LINEN CLOSET, AND PANTRY WITHIN THE DWELLING UNITS WHERE THE AREA OF THE SPACE DOES NOT EXCEED 24 SQ. FT. AND THE LEAST DIMENSION OF THE SPACE IS NOT LESS THAN 6' 0". SPRINKLERS SHALL NOT BE REQUIRED IN CLOSET, LINEN CLOSET, AND PANTRY WITHIN THE DWELLING UNITS WHERE THE AREA OF THE SPACE DOES NOT EXCEED 24 SQ. FT. AND THE LEAST DIMENSION OF THE SPACE IS NOT LESS THAN 6' 0".

EXCEPTION NO. 3: SPRINKLERS ARE NOT REQUIRED IN ANY PORCHES, BALCONIES, CORRIDORS AND STAIRS THAT ARE OPEN AND ATTACHED.

EXCEPTION NO. 4: SPRINKLERS ARE NOT REQUIRED IN ATTICS, PENHOUSE EQUIPMENT ROOMS, CRAWL SPACES, MECH. ROOMS, AND OTHER CONCEALED SPACES THAT ARE NOT USED OR INTENDED FOR LIVING PURPOSES OR STORAGE.

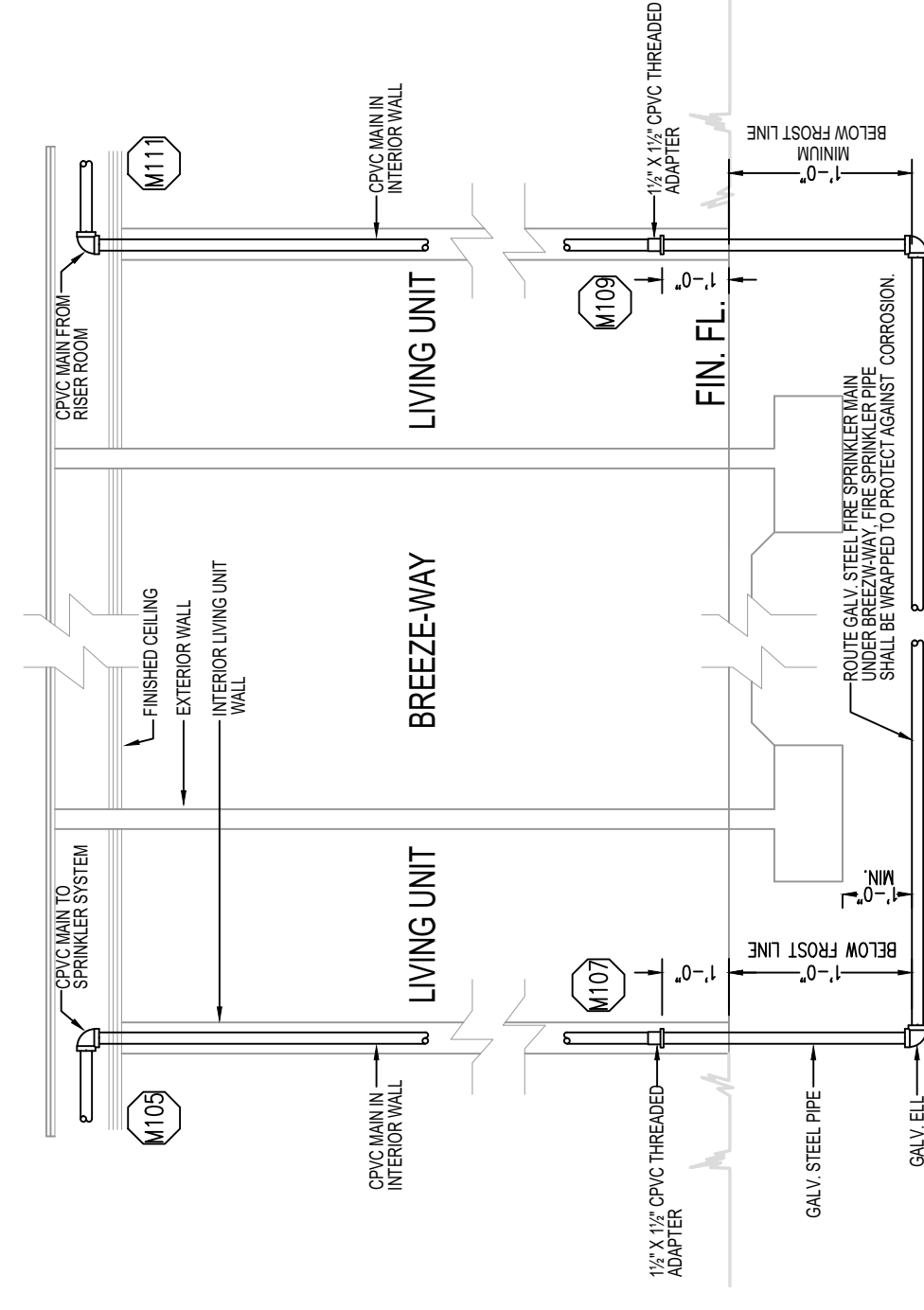
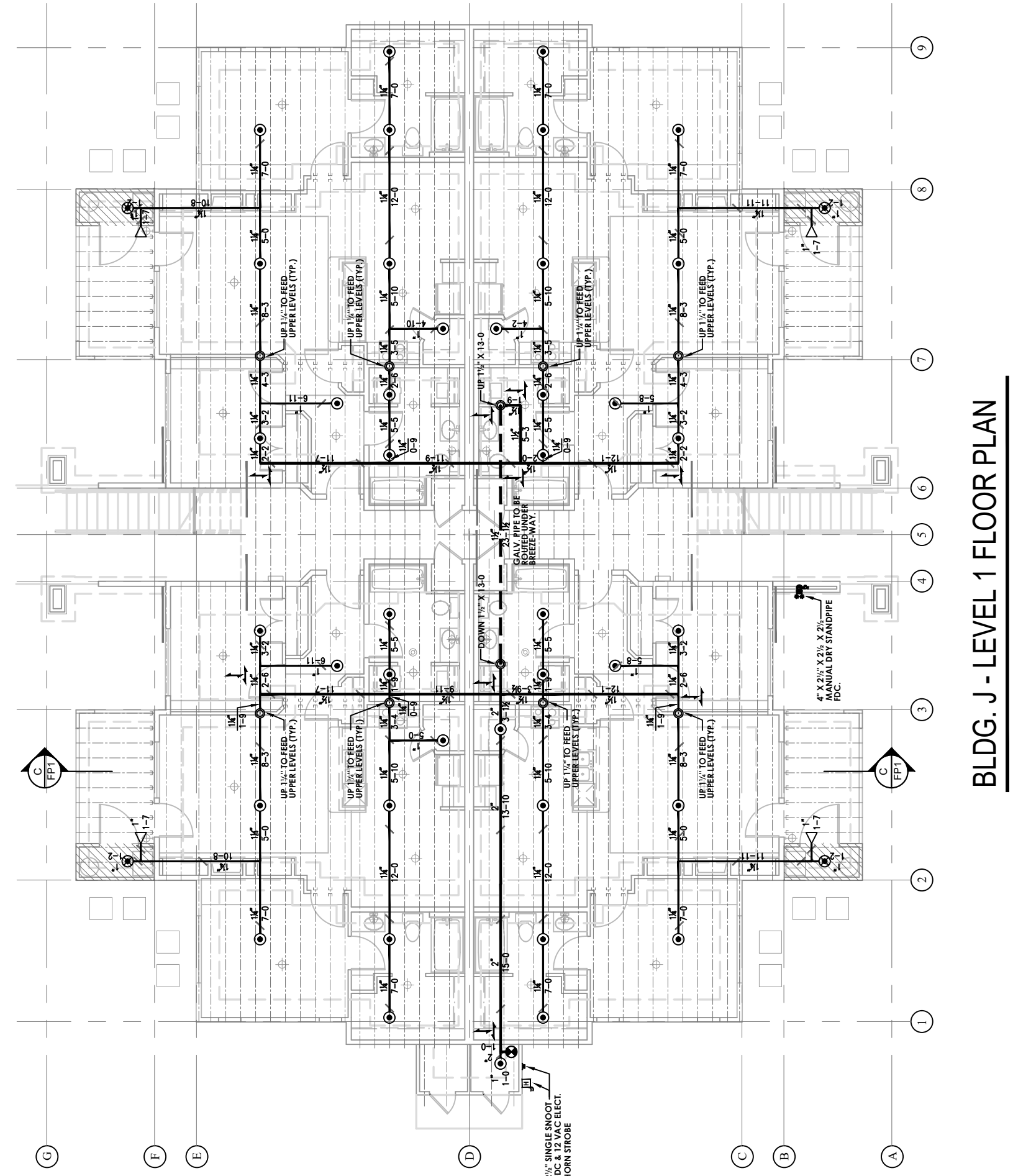
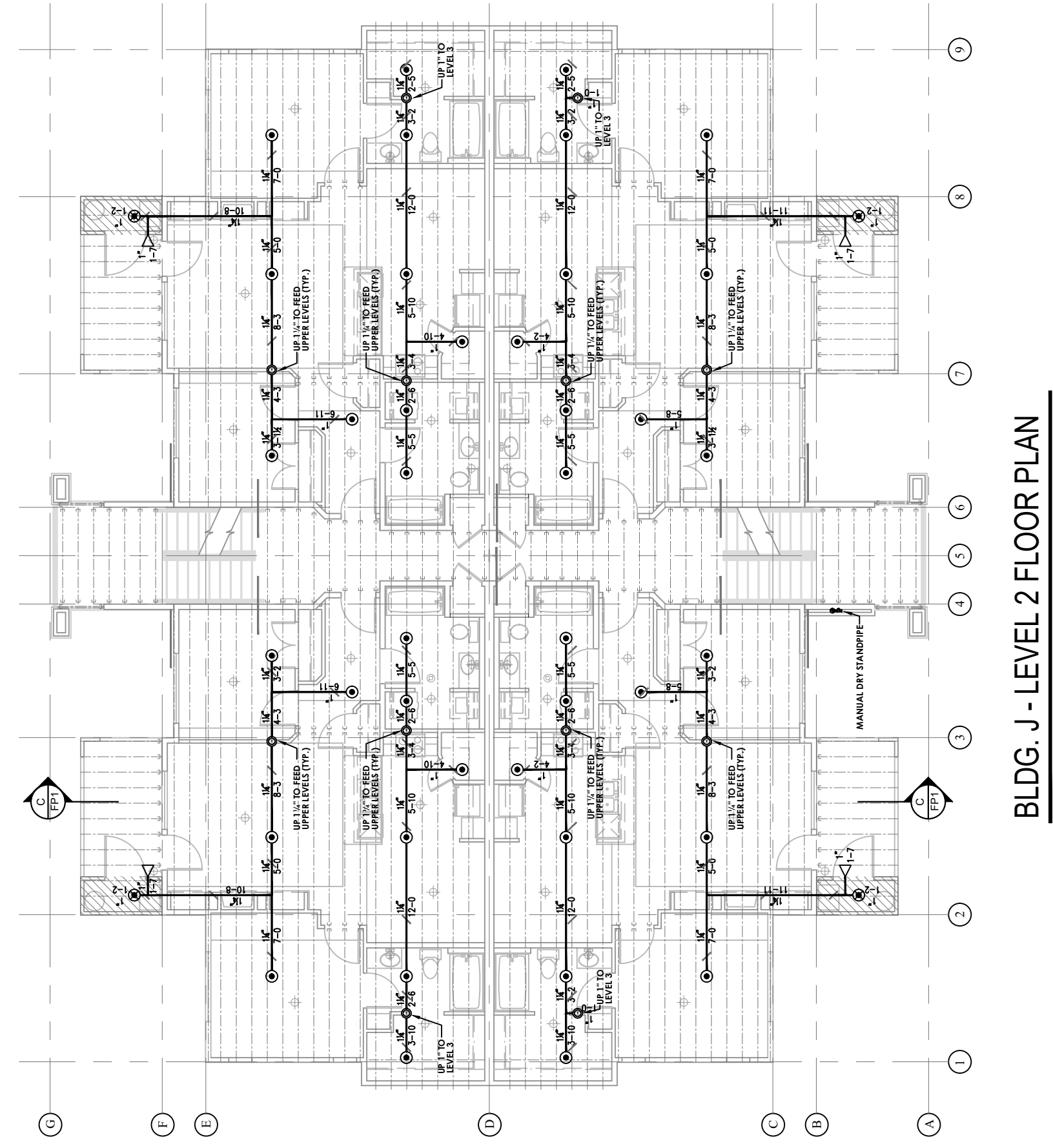
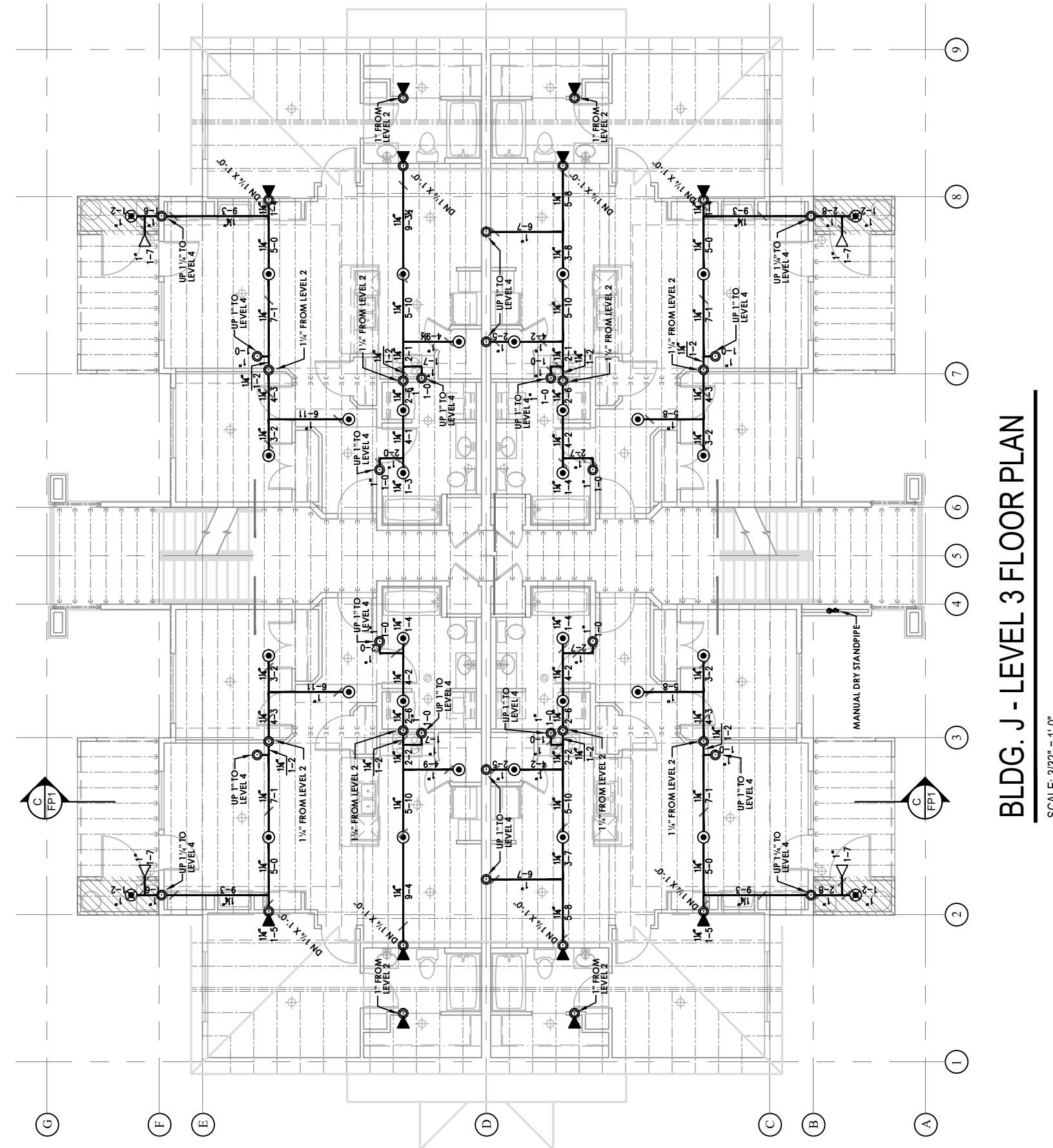
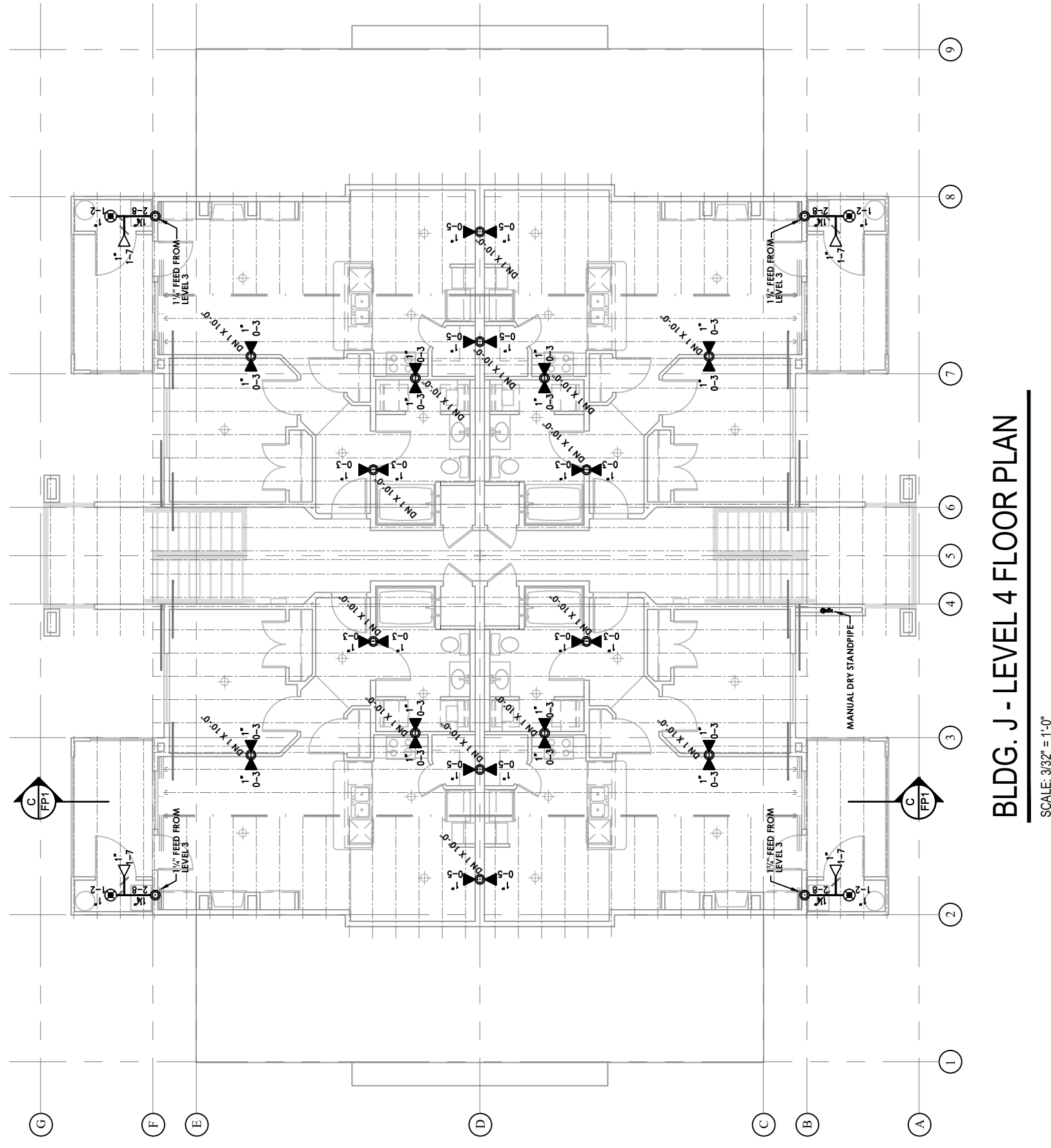
GRAYHAWK APARTMENTS

DESIGNED PER NFPA 13R, 2013 EDITION

SHEET 1: TITLE AND DETAIL PAGE

SHEET 2: BUILDING A, B & C FIRE PROTECTION PLAN

SHEET 3: BUILDING D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.



NOTE: HYDRAULIC CALCULATIONS FOR BLDG "J" ARE BASED ON BLDG. "D".

CPVC Sheet Notes

1. RESIDENTIAL PENDENT SPRINKLERS ARE CALCULATED TO 20'-20". MAXIMUM SPACING FROM ANY WALLS IS 10'. RESIDENTIAL NEW ARE CALCULATED AT 14'-20". MAXIMUM SPACING TO SIDE WALLS IS 8' AND TO FRONT WALLS IS 20'. EXCEPT AS NOTED ON THE DRAWINGS, STANDARD SPRINKLERS ARE SPACED PER NFPA 13.
2. CPVC TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. ATTACH (HANG) PIPE TO TOP CHORD OF JOISTS OR TRUSSES AND FROM THE SIDE OF JOISTS OR TRUSSES WHERE POSSIBLE, WHILE MAINTAINING PROPER SPACING TO WALLS.

CPVC Piping Installation Requirements

UNES.

CPVC (CHLORINATED POLYVINYL CHLORIDE) PIPE FIELD CUT TO THE C-C LENGTHS INDICATED ON THE PLAN, BENDS FIELD, CHAMFERED AND DEBURRED, RELEVANT JOINTS UTILIZED A COMBINATION OF SOLVENT & CEMENT IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS. UNLESS OTHERWISE SPECIFIED, ALL PIPE SHALL BE WEP-PE SYSTEM ONLY.

HANGERS.

PIPE HANGERS SHALL BE SIZED, SPACED AND INSTALLED AS REQUIRED BY WPA STANDARDS.

THE HANGERS SHALL BE INSTALLED TO PROVIDE THE REQUIRED CLEARANCE TO THE PROTECTIVE SYSTEM, UNLESS THE HANGERS HAVE BEEN SPECIFICALLY DESIGNED FOR THE ADDITIONAL LOADING. THIS CONTRACT DOES NOT INCLUDE ANY MATERIALS OR DEVICES TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO PREVENT IT FROM THE LOAD OF THE FIRE PROTECTION SYSTEM. SEE DETAILS ON THIS SHEET FOR THE SPECIFIC HANGER ASSEMBLIES USED FOR THIS INSTALLATION.

TABLE 1. MAXIMUM DISTANCE BETWEEN HANGERS (FT - IN)									
PIPE TYPE	NOMINAL PIPE SIZE (IN.)								
	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	
CPVC	5.4	4.0	4.4	7.0	8.0	8.0	10.0	10.0	

PIPE TYPE	NOMINAL PIPE SIZE (IN.)		
	3/4	1	1½
CPVC	1	1½	2

NFPA 13R Sprinkler Head Location Requirements

[illegible]

GRAYHAWK APARTMENTS

DESIGNED PER NFPA 13R, 2010 EDITION
DESIGNED PER NFPA 14, 2010 EDITION

