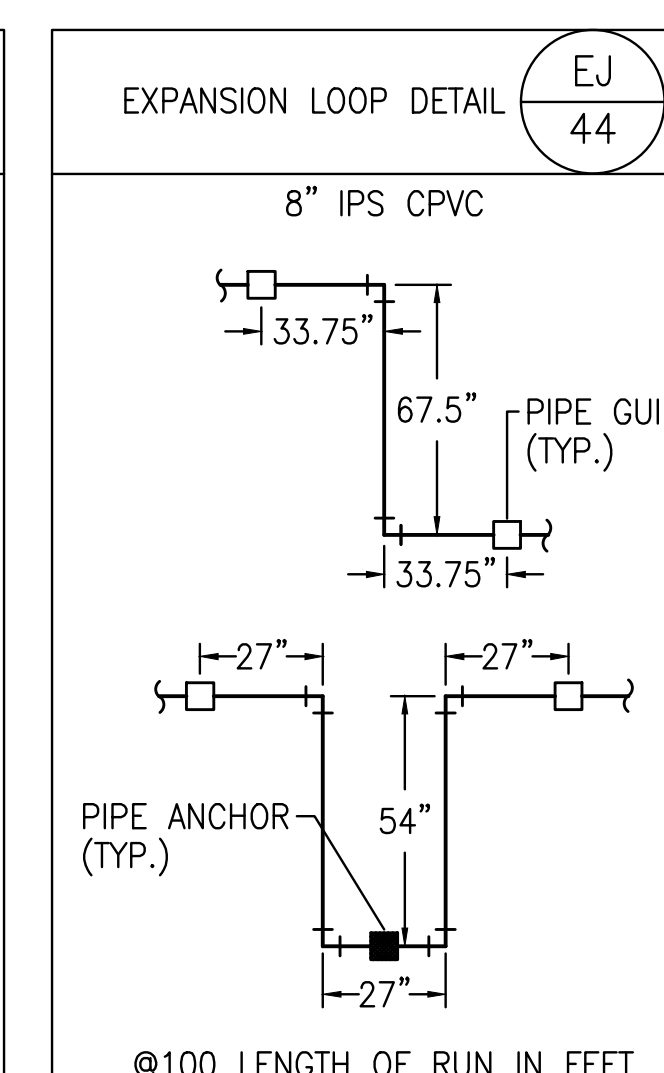
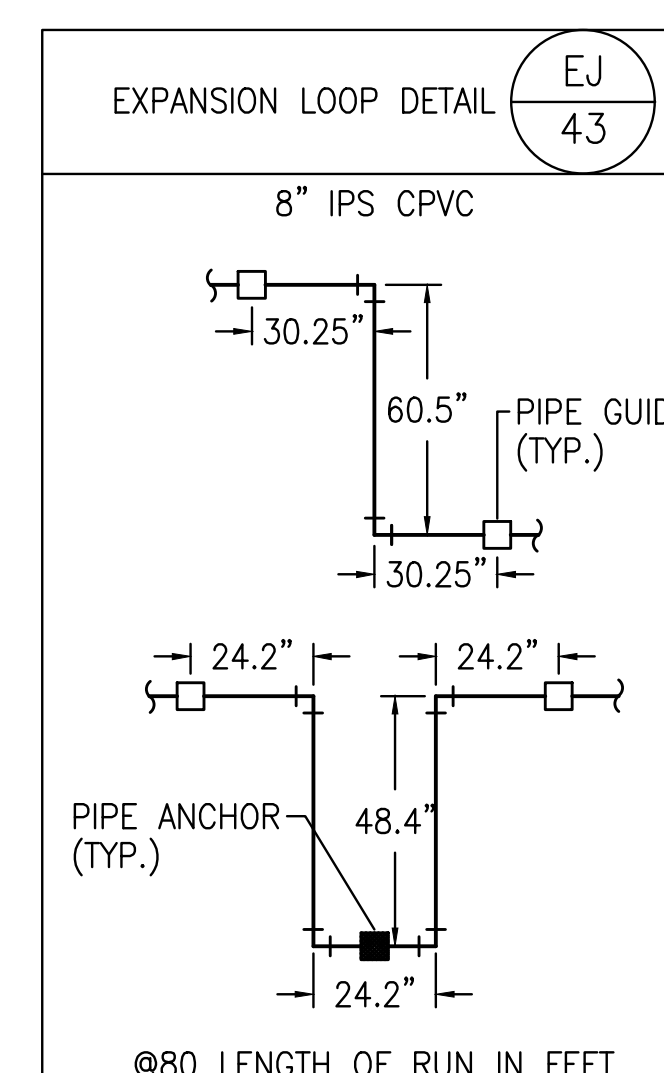
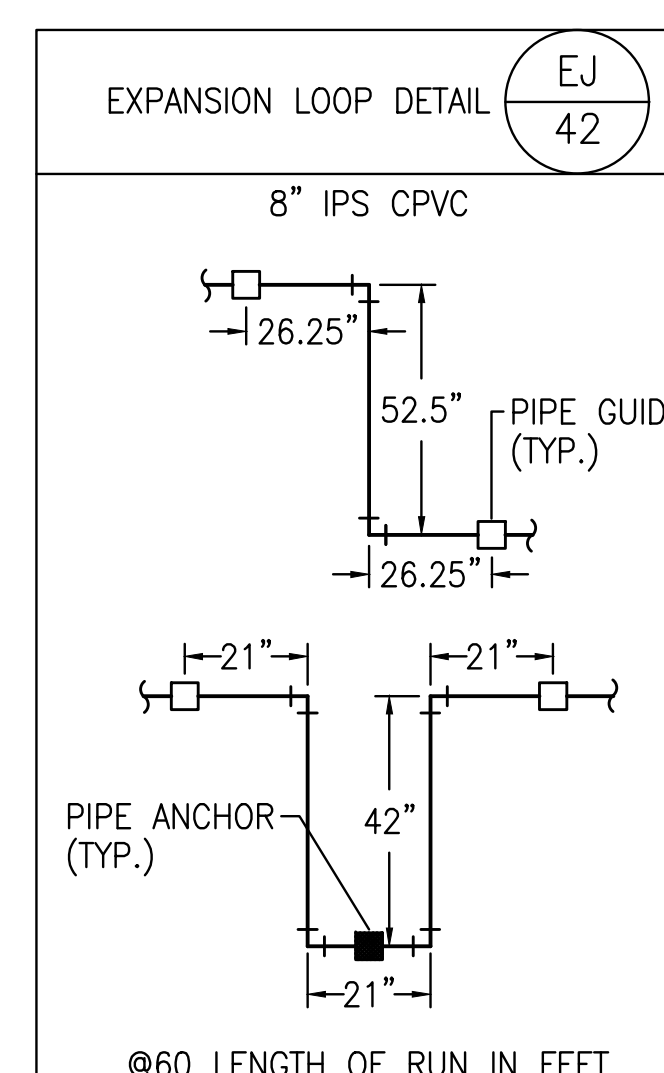
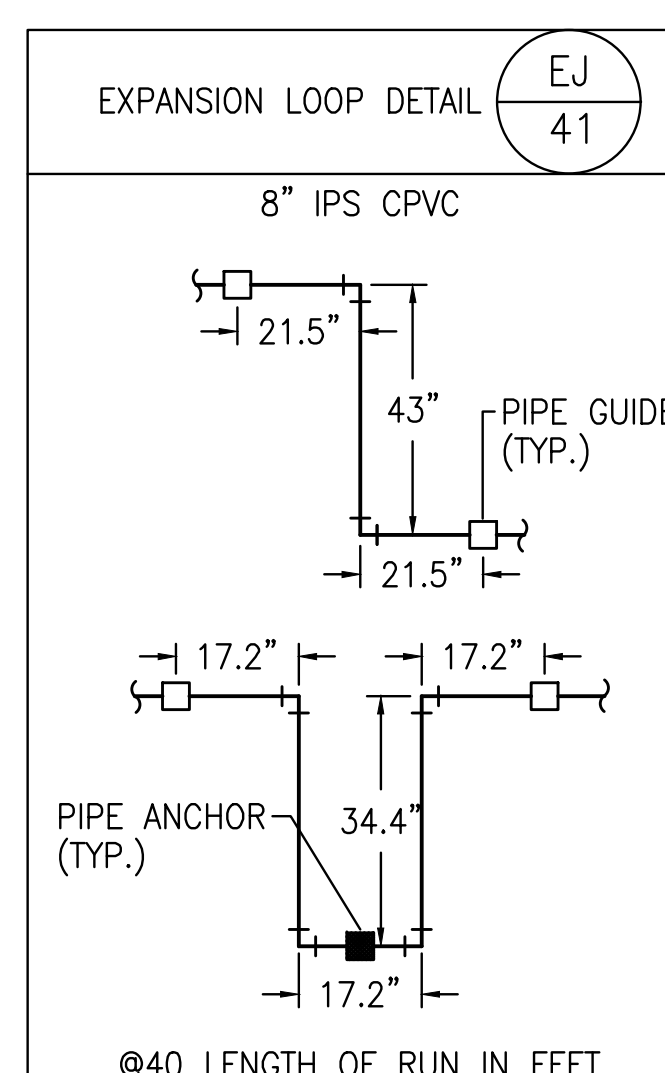
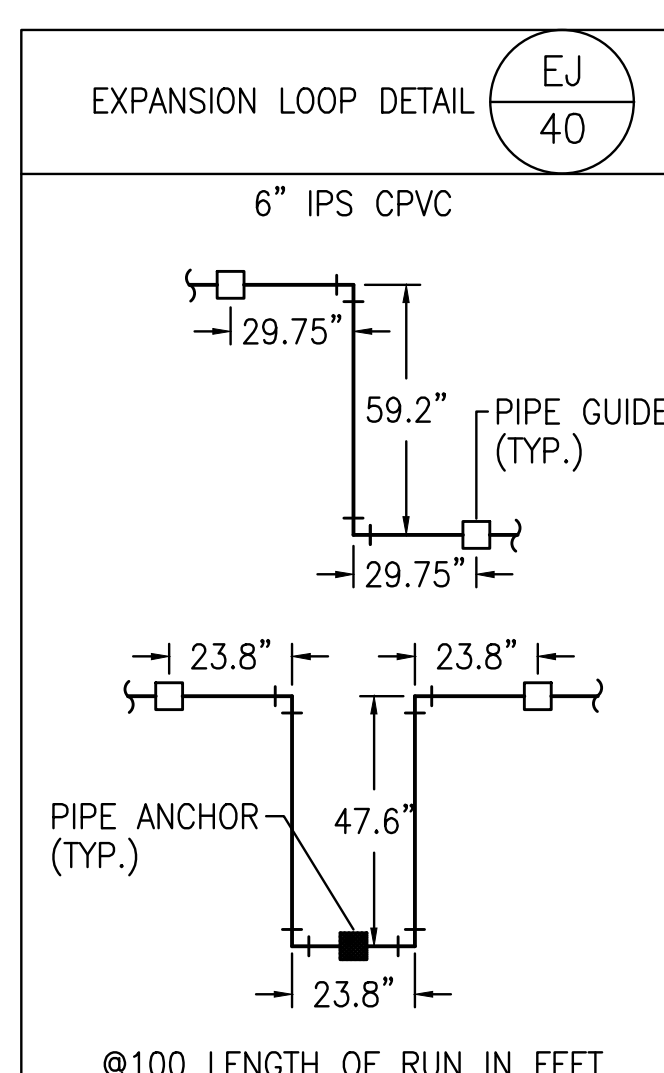
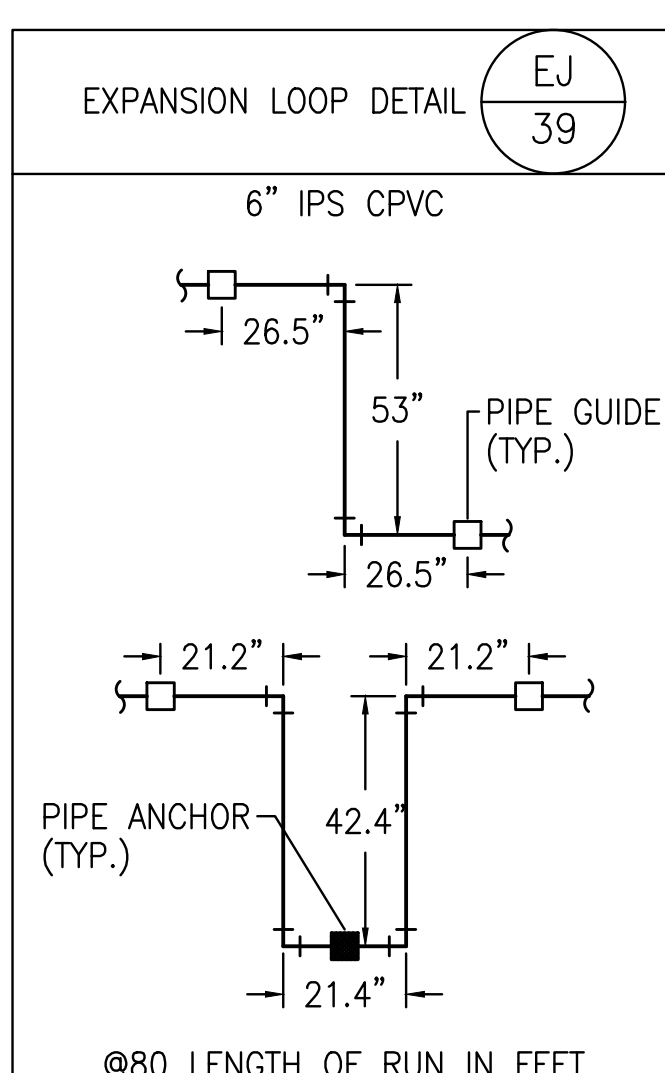
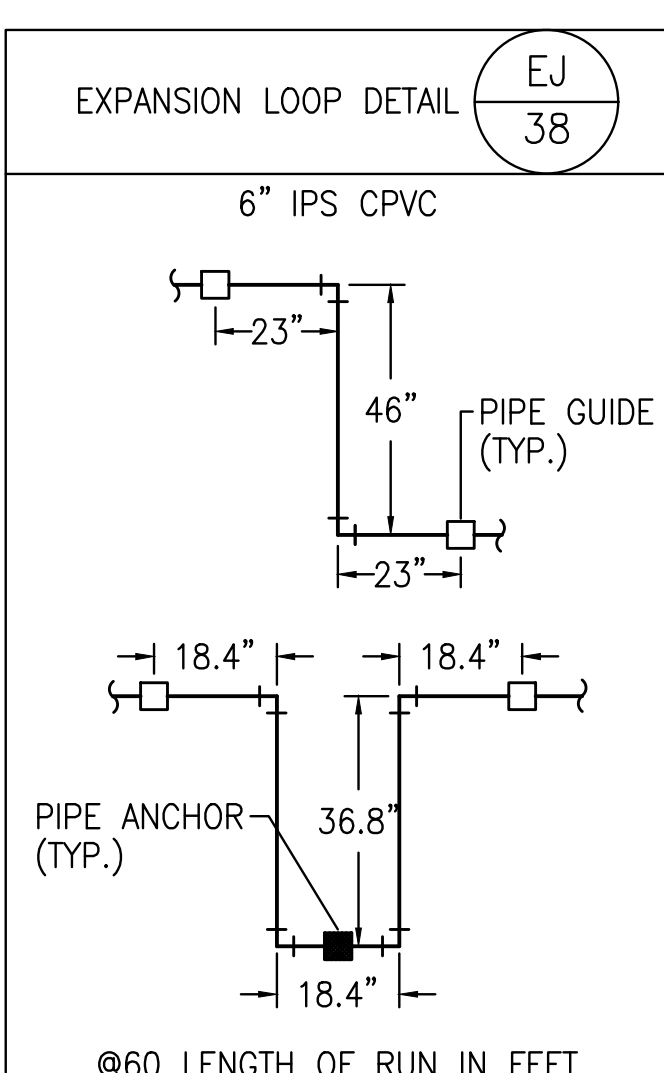
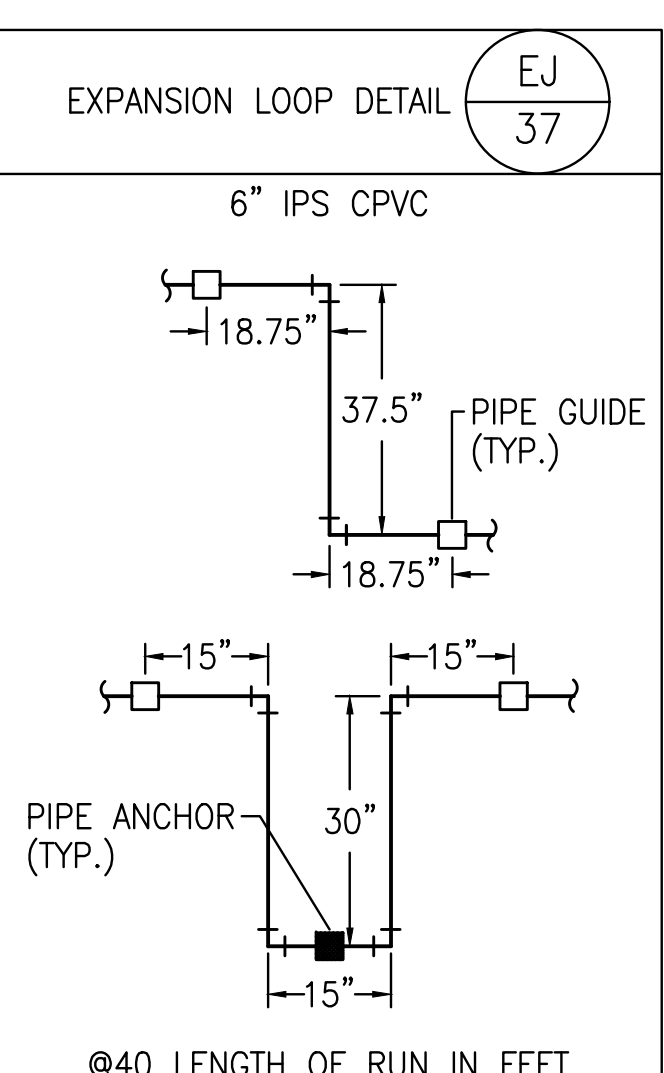
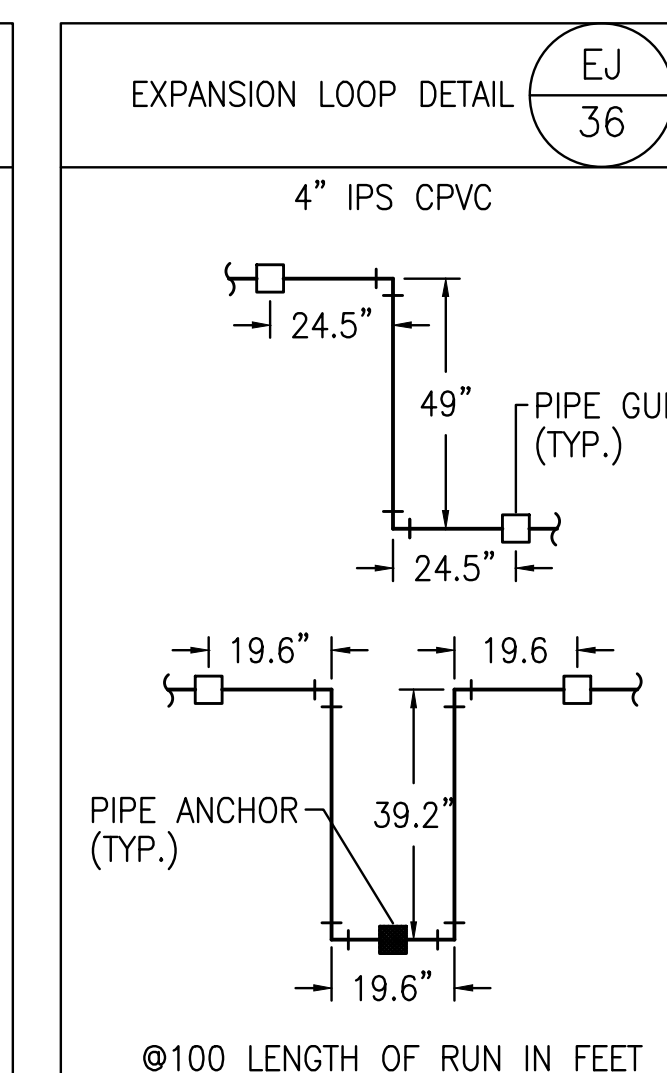
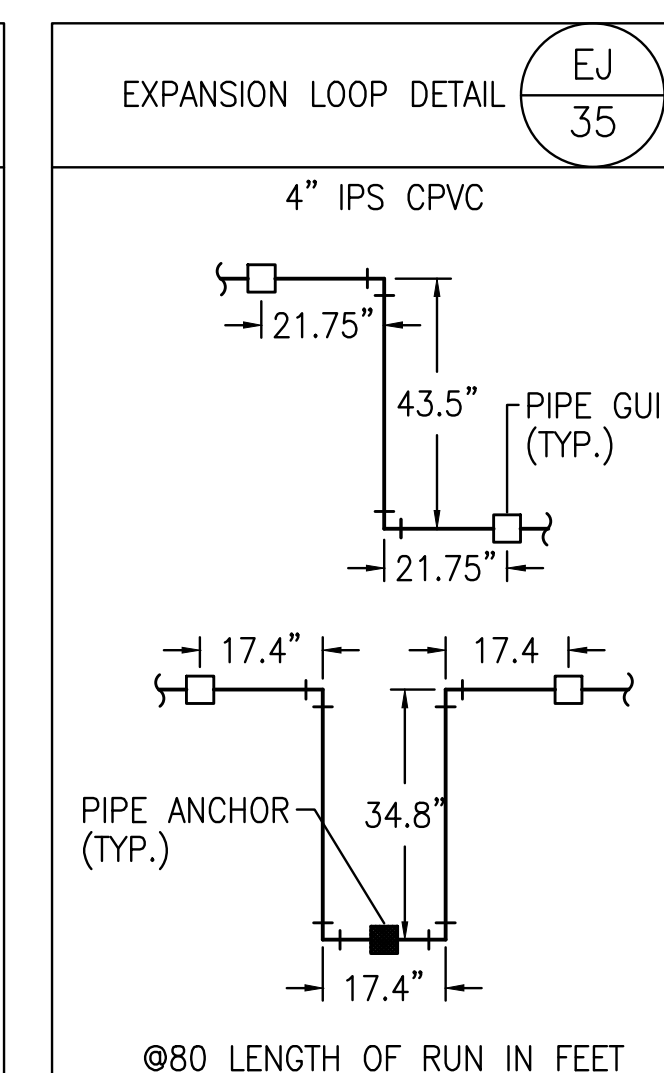
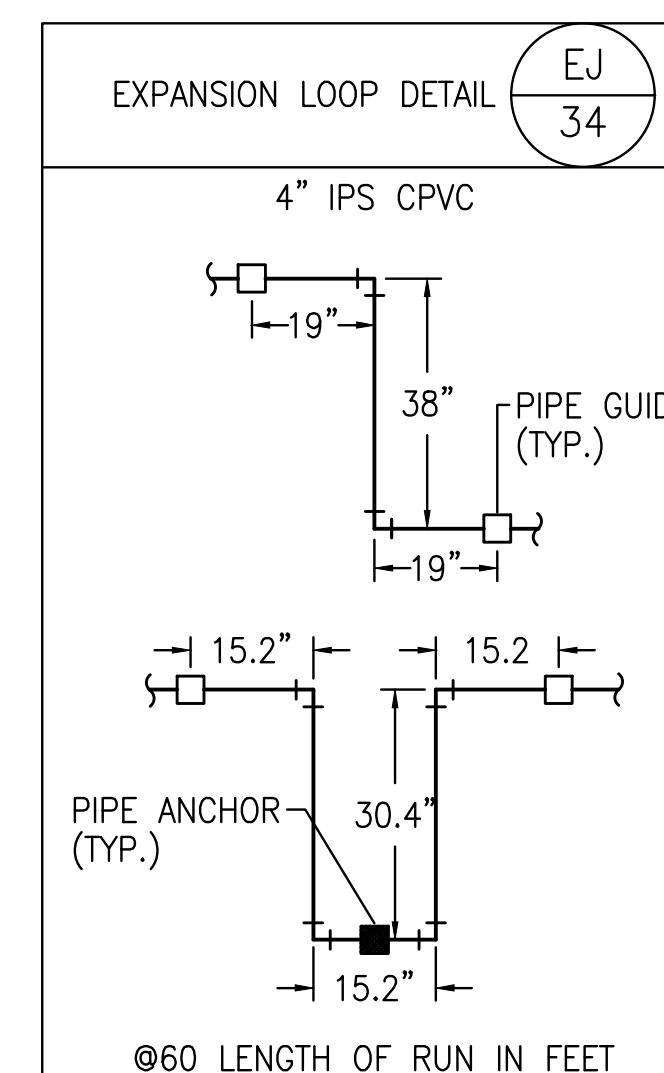
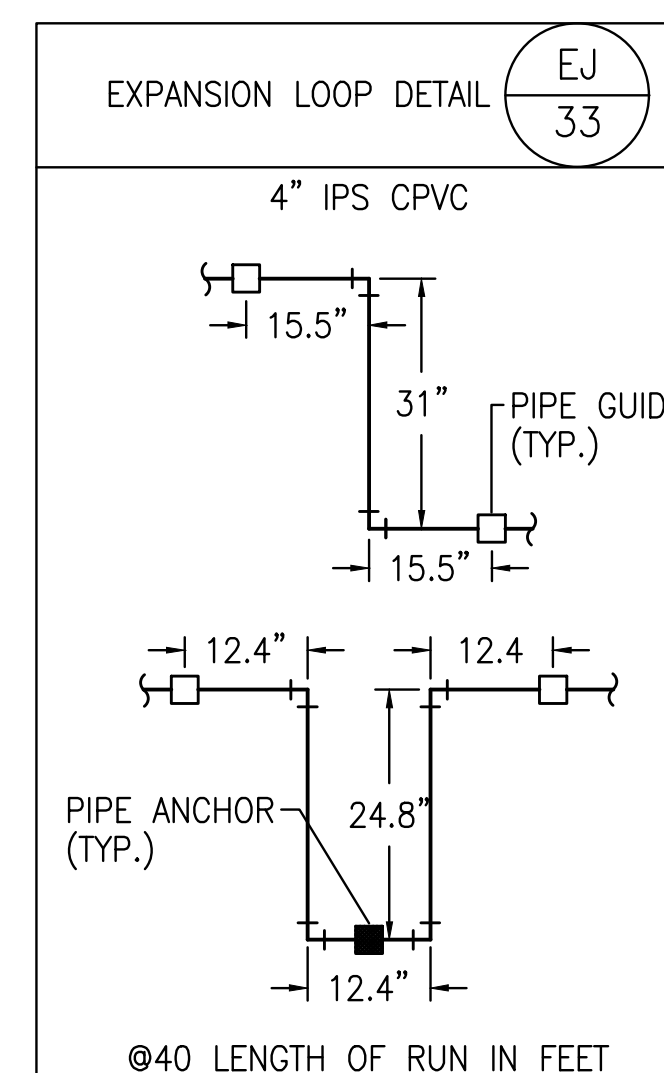
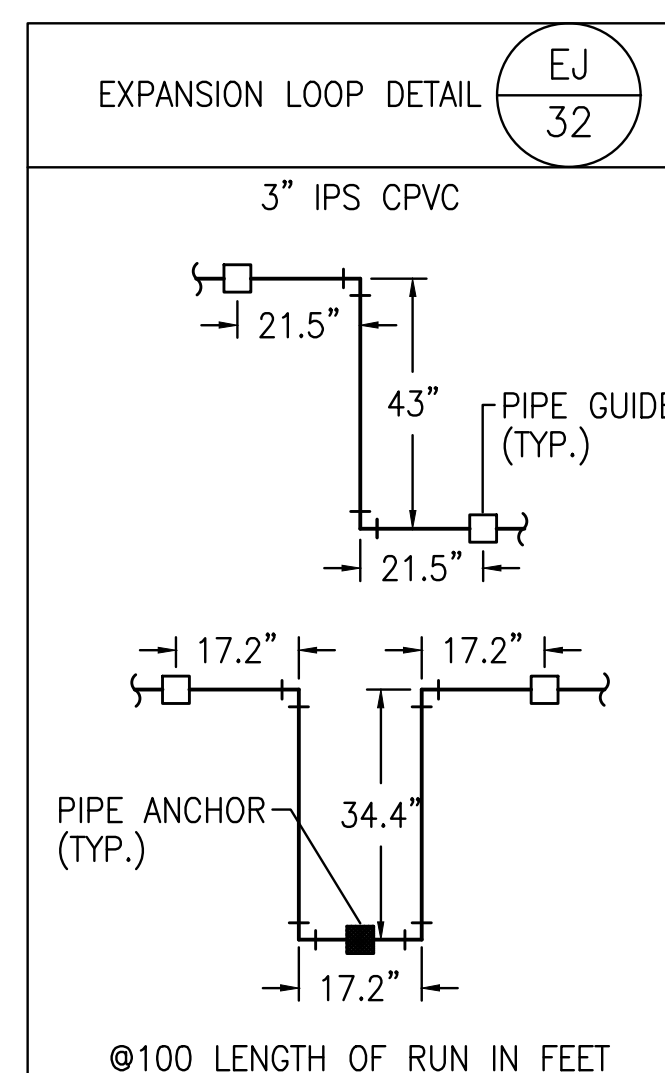
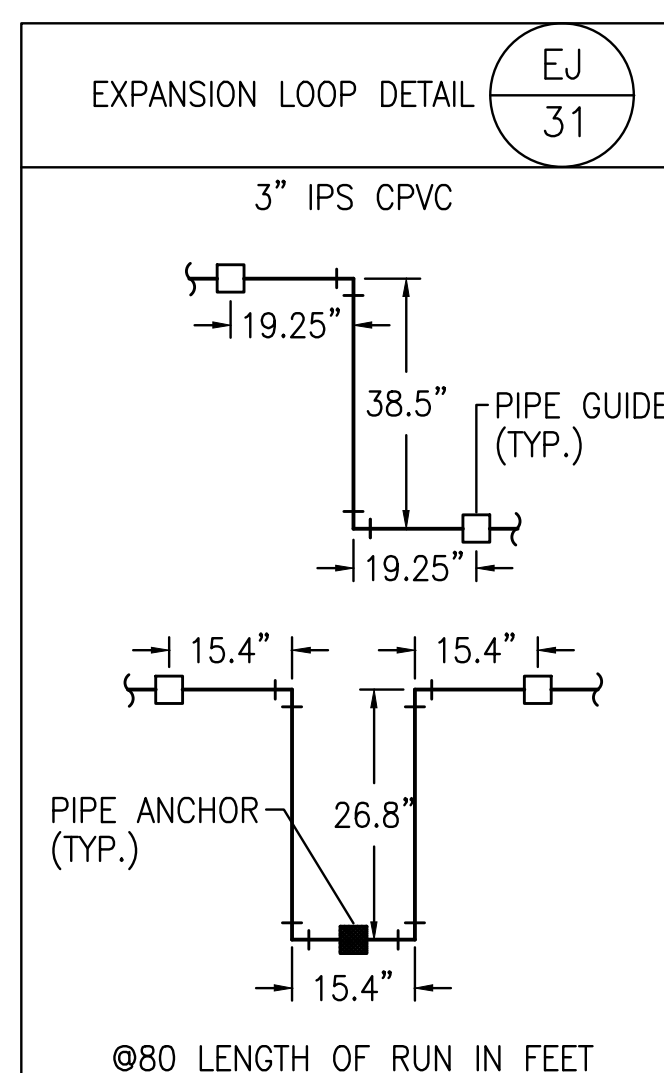
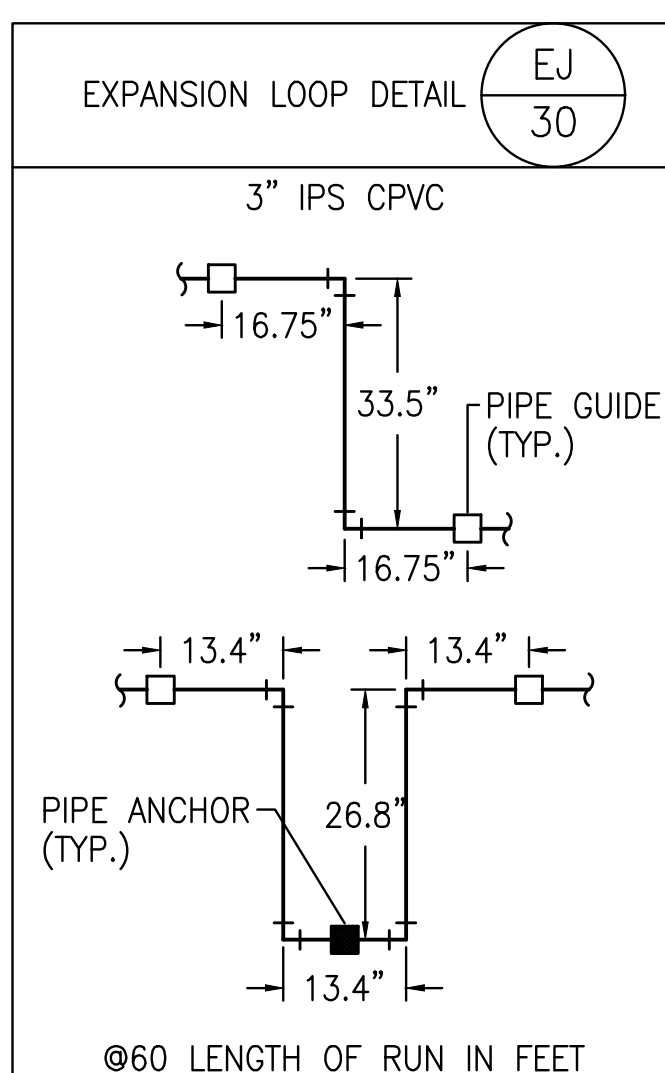
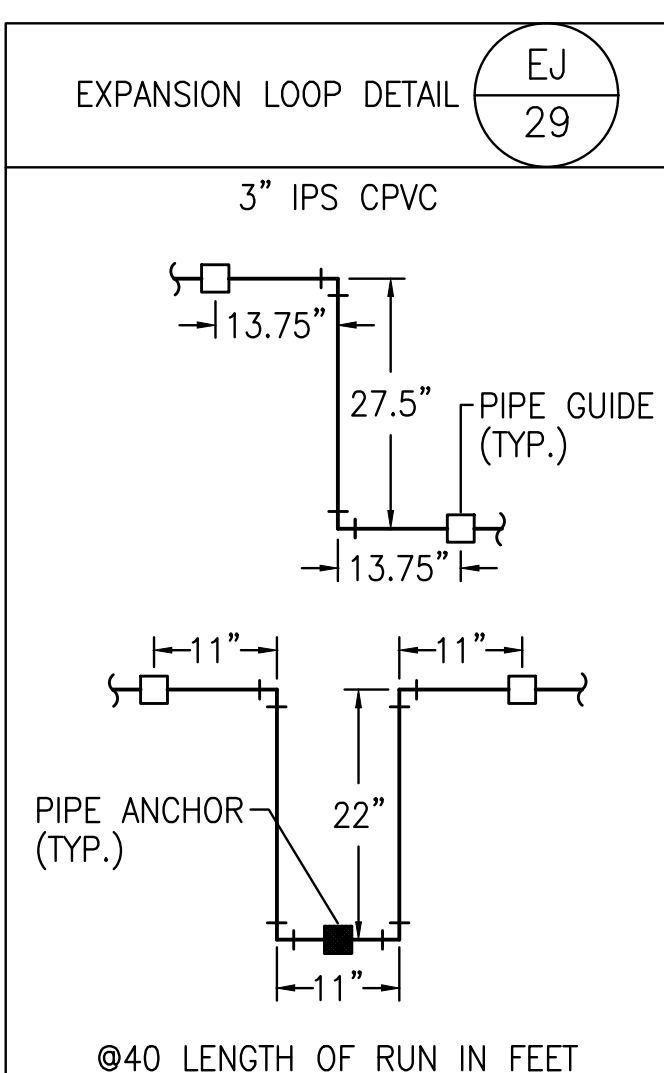
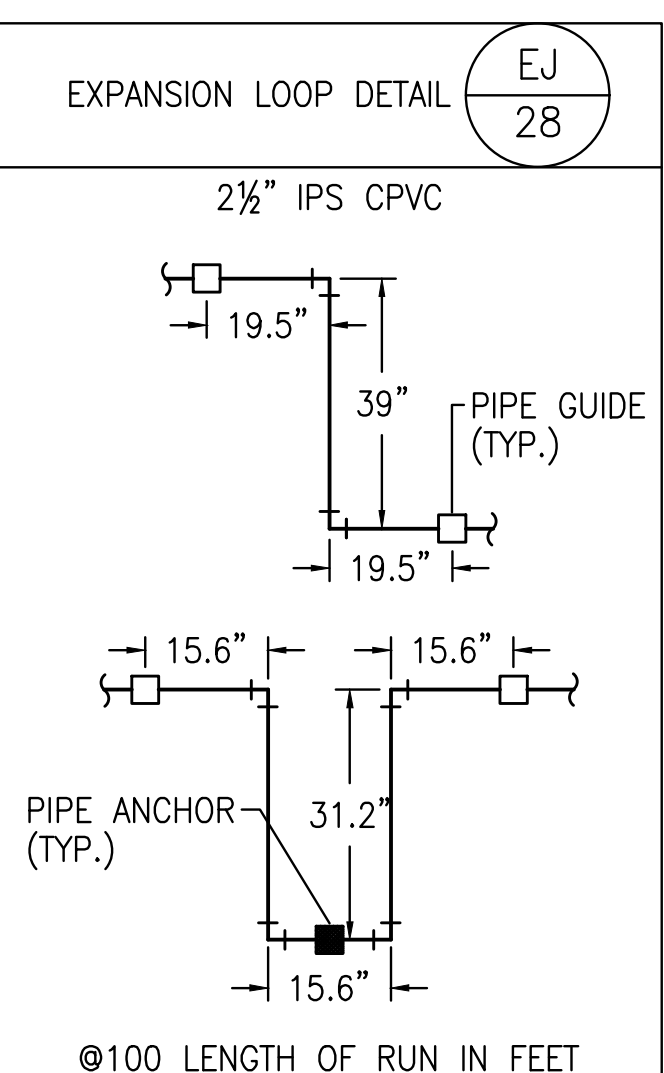
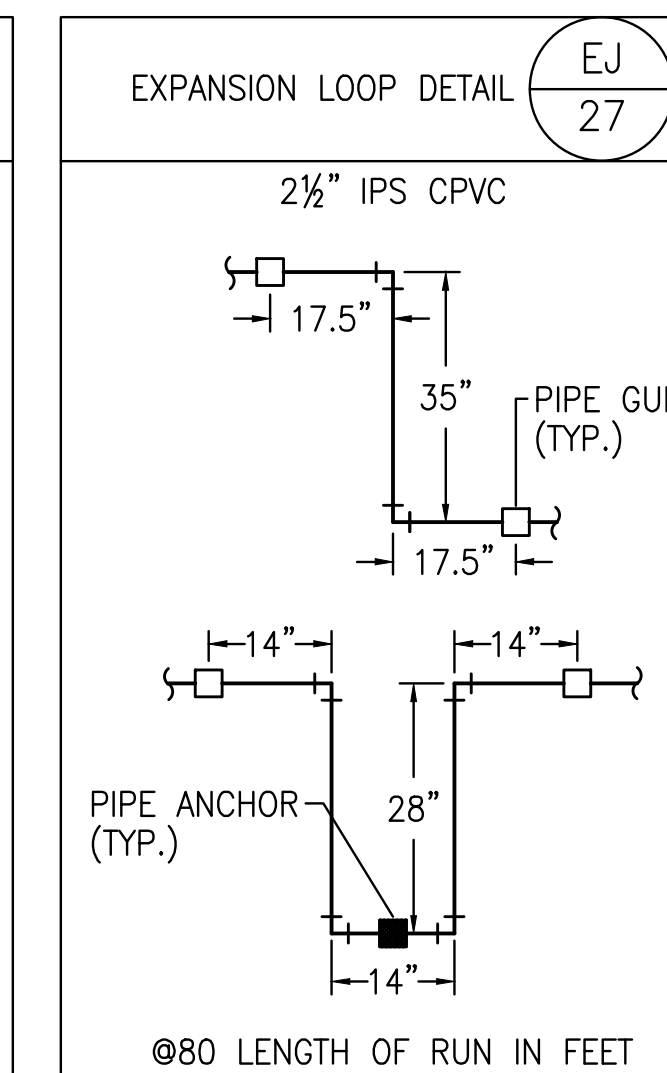
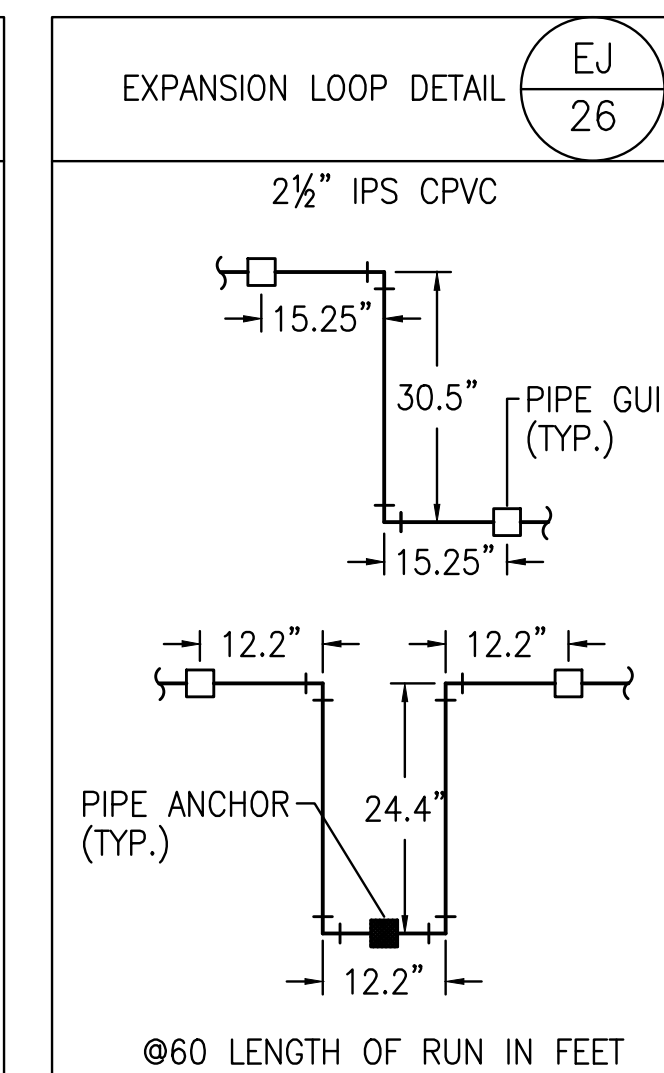
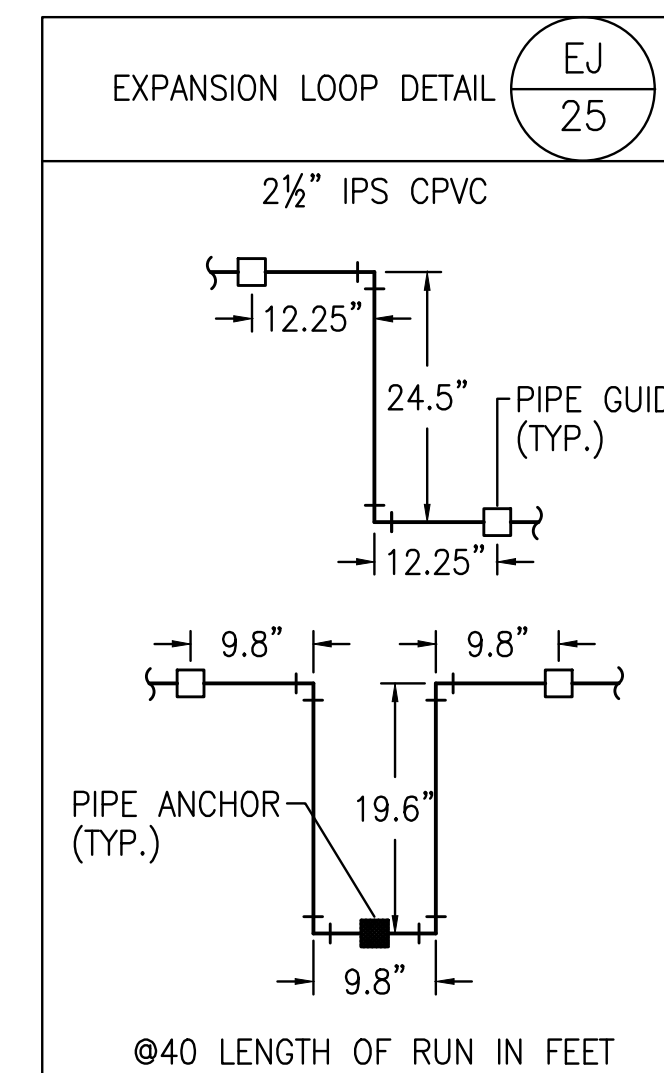
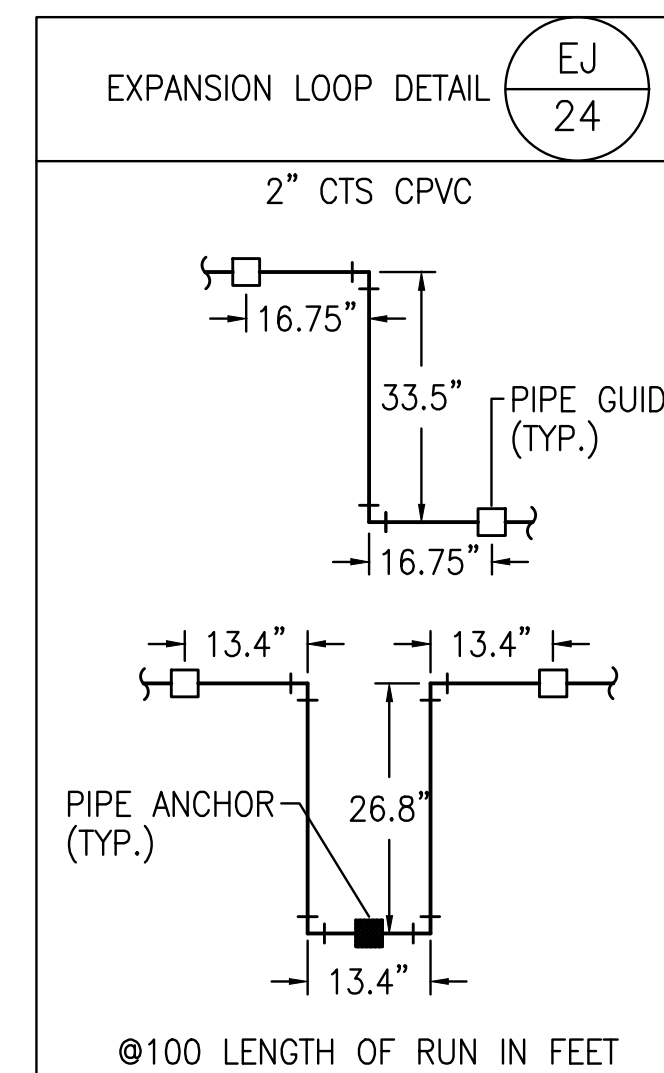
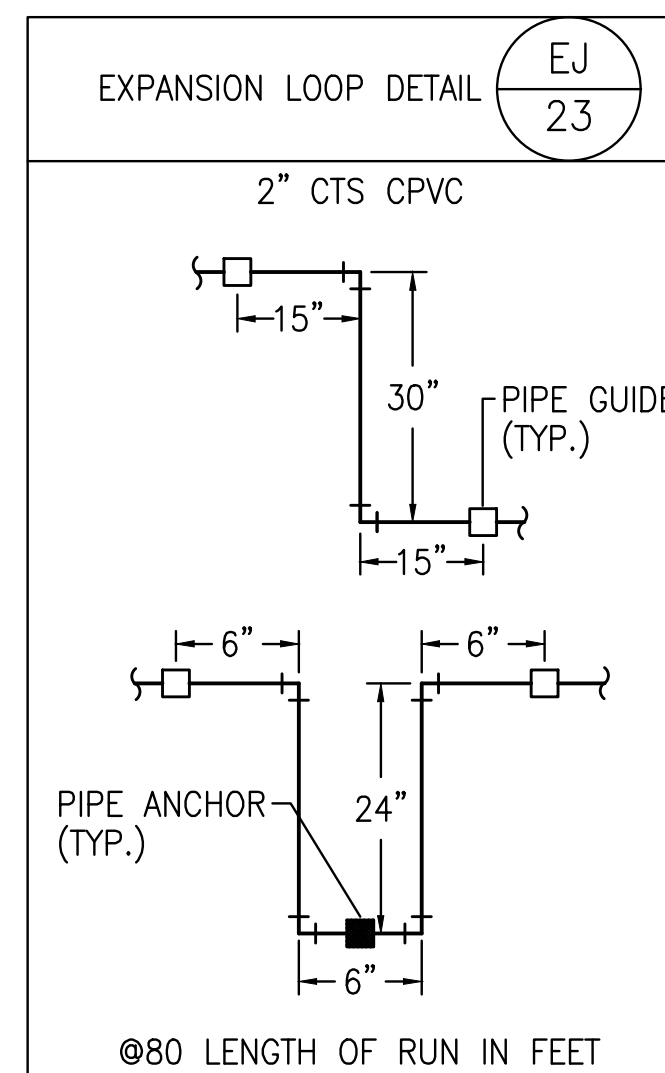
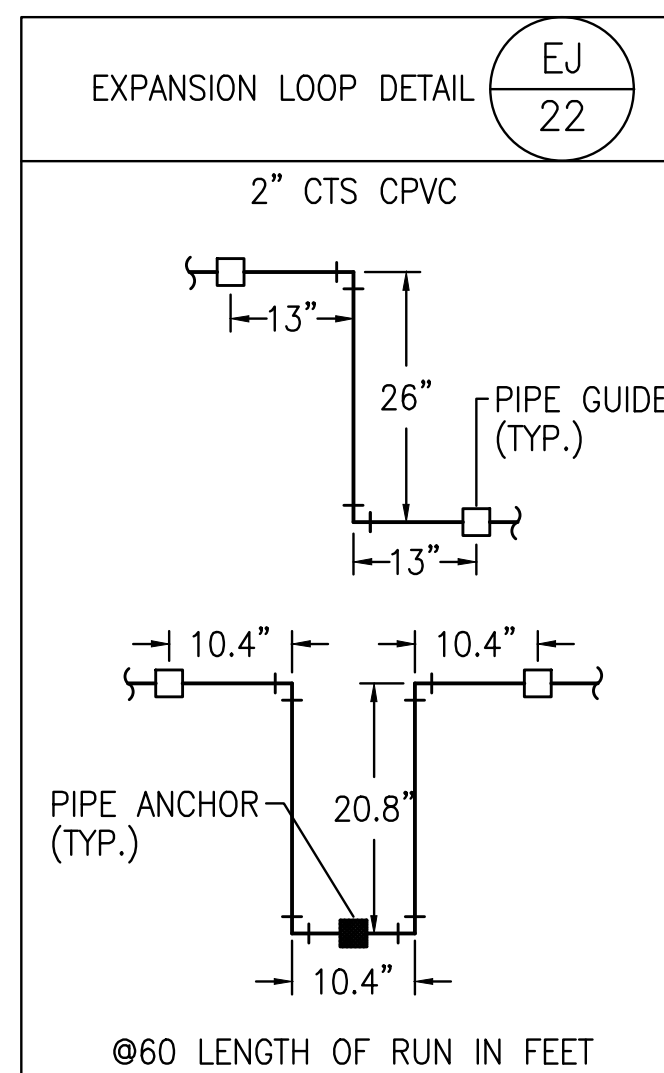
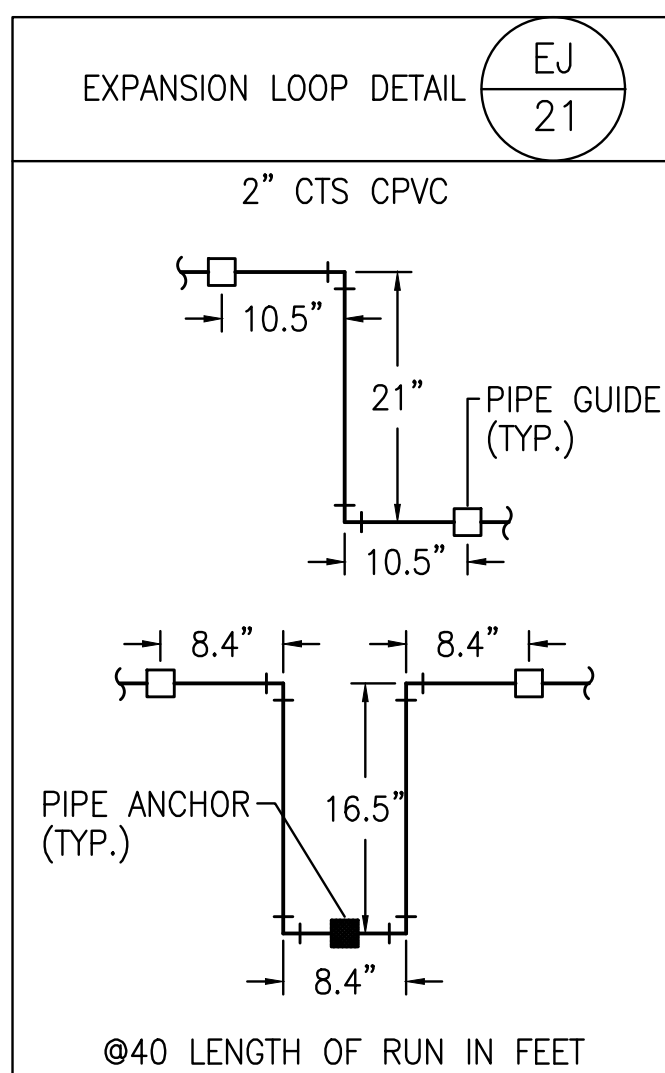
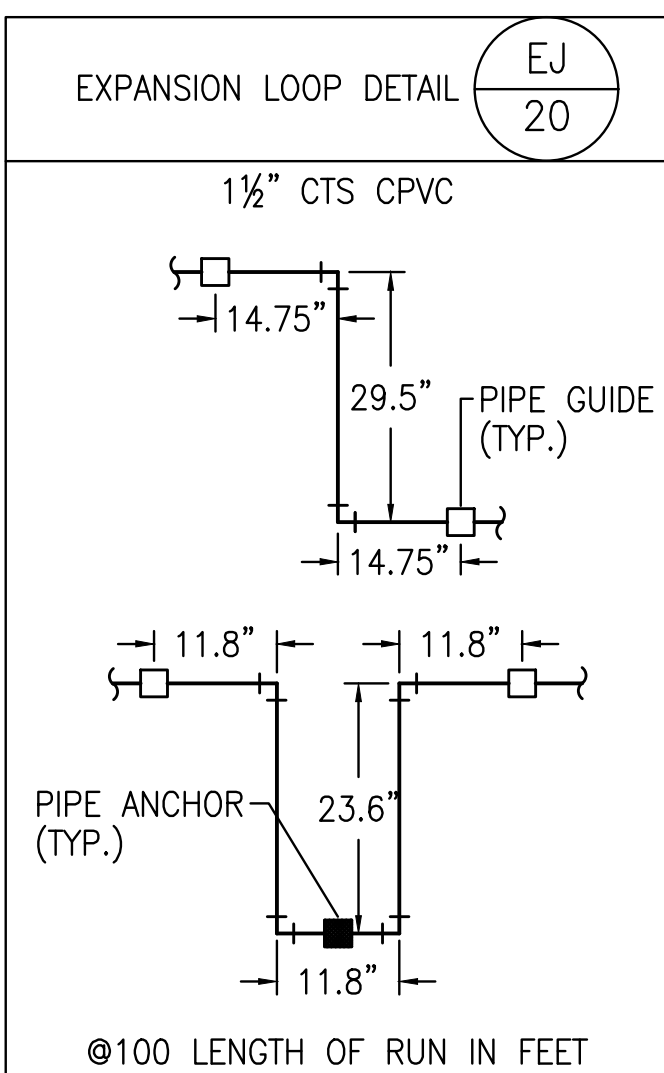
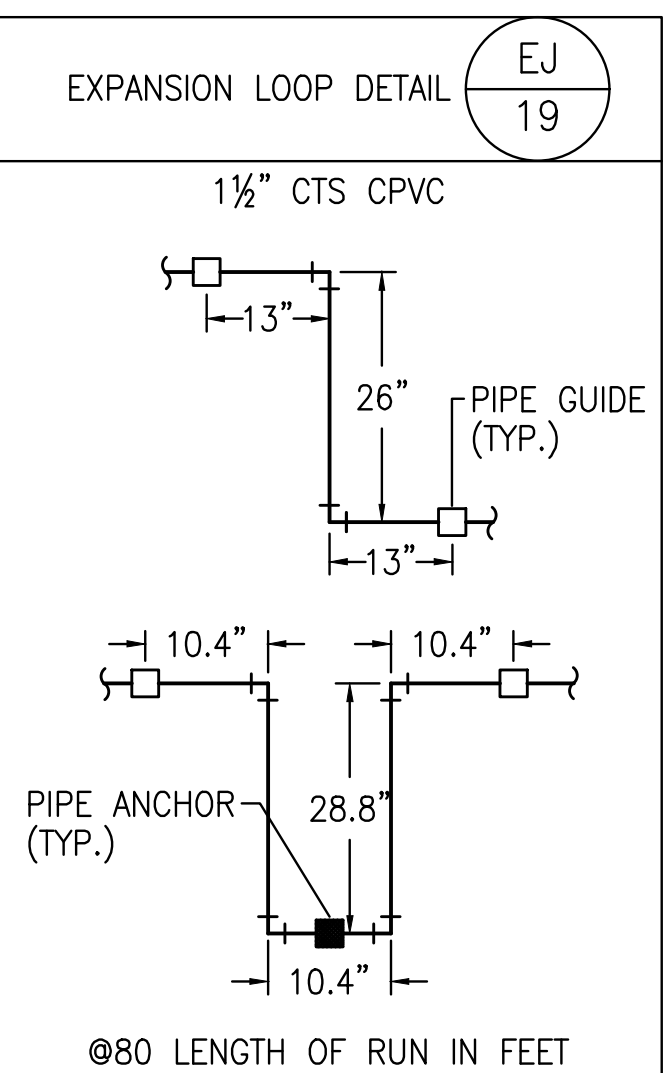
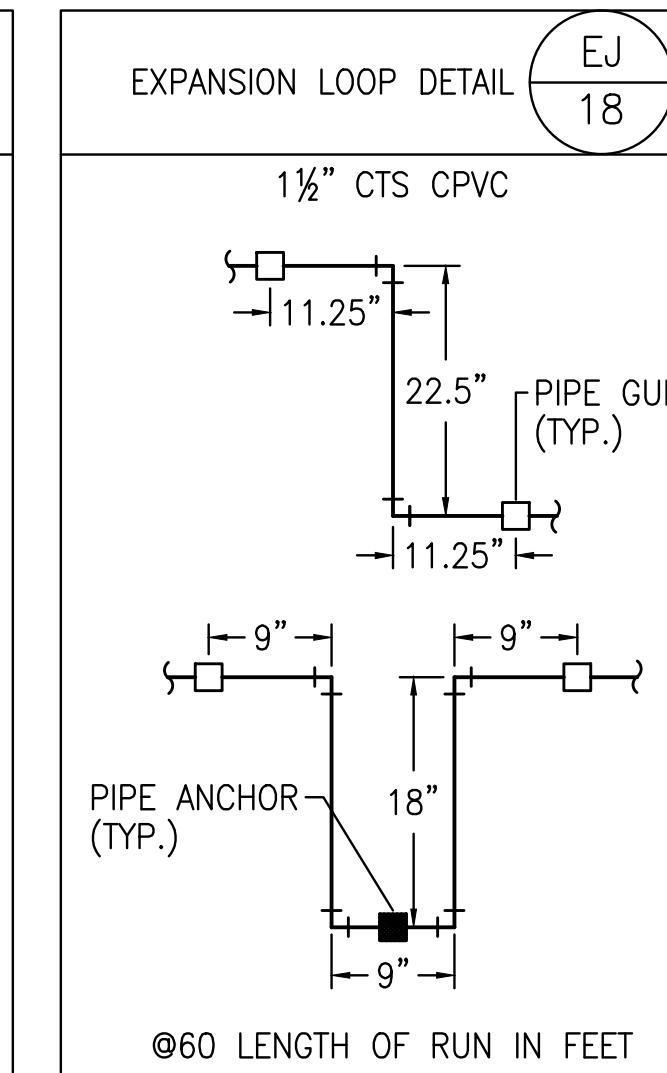
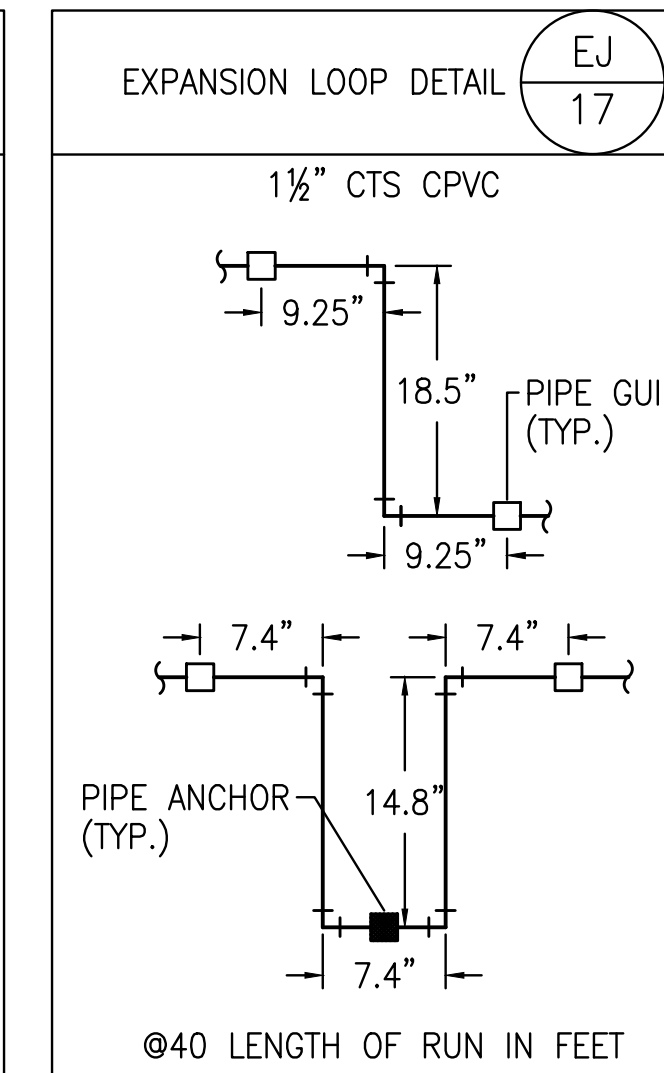
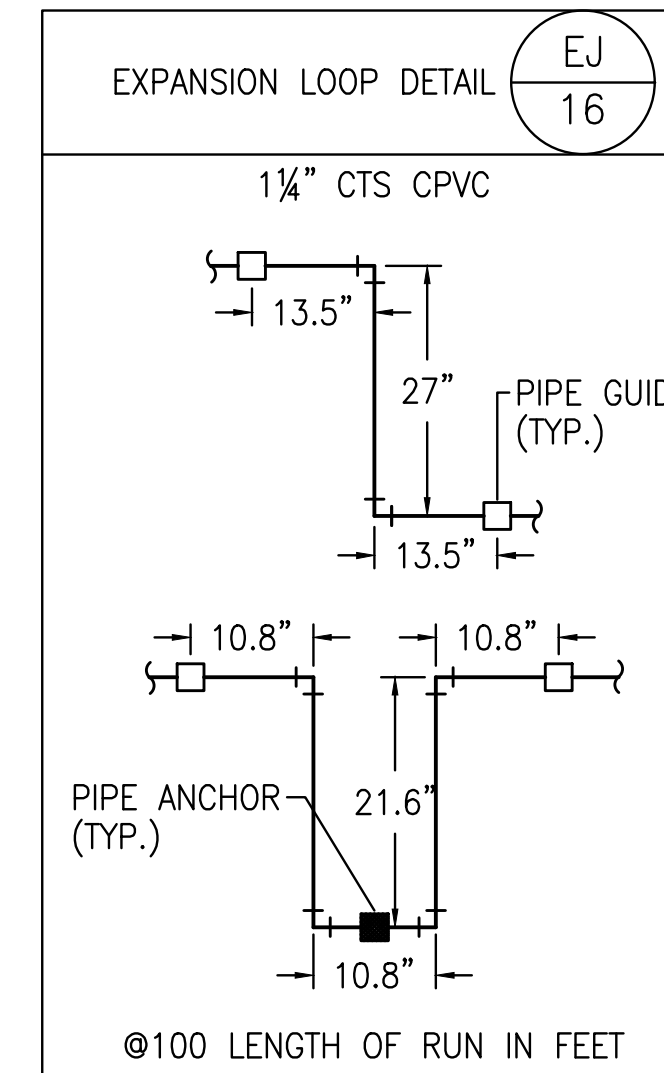
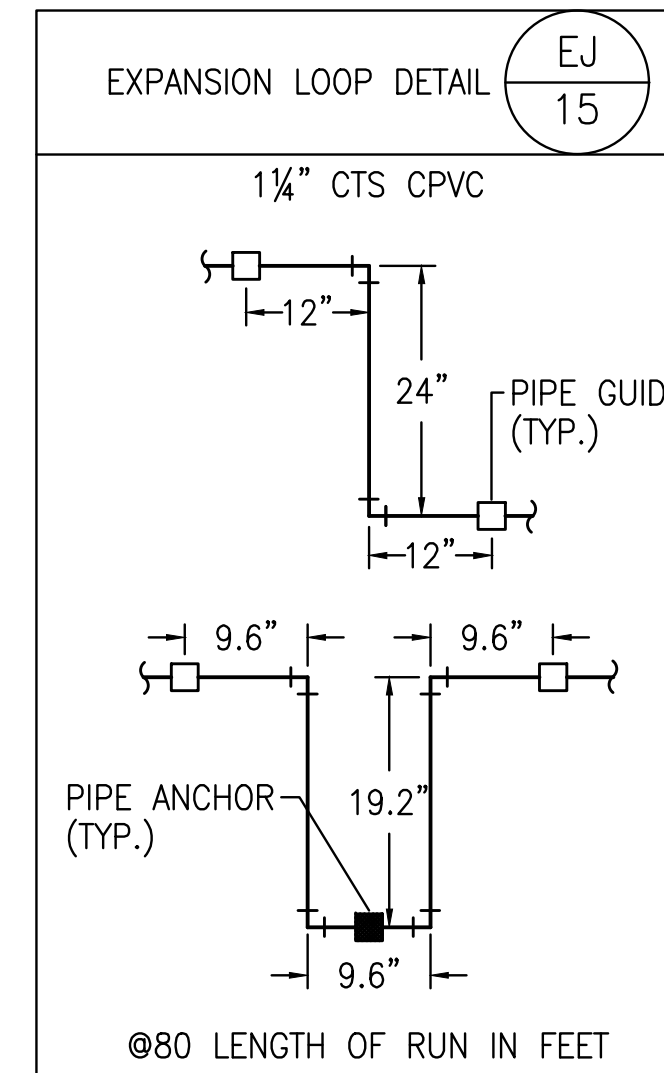
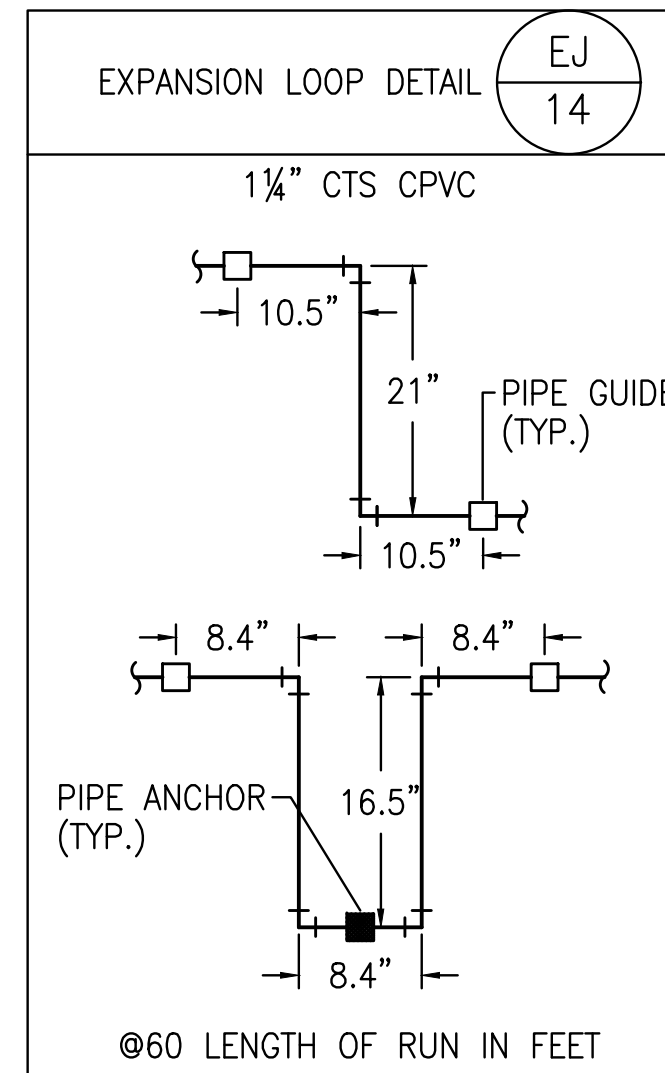
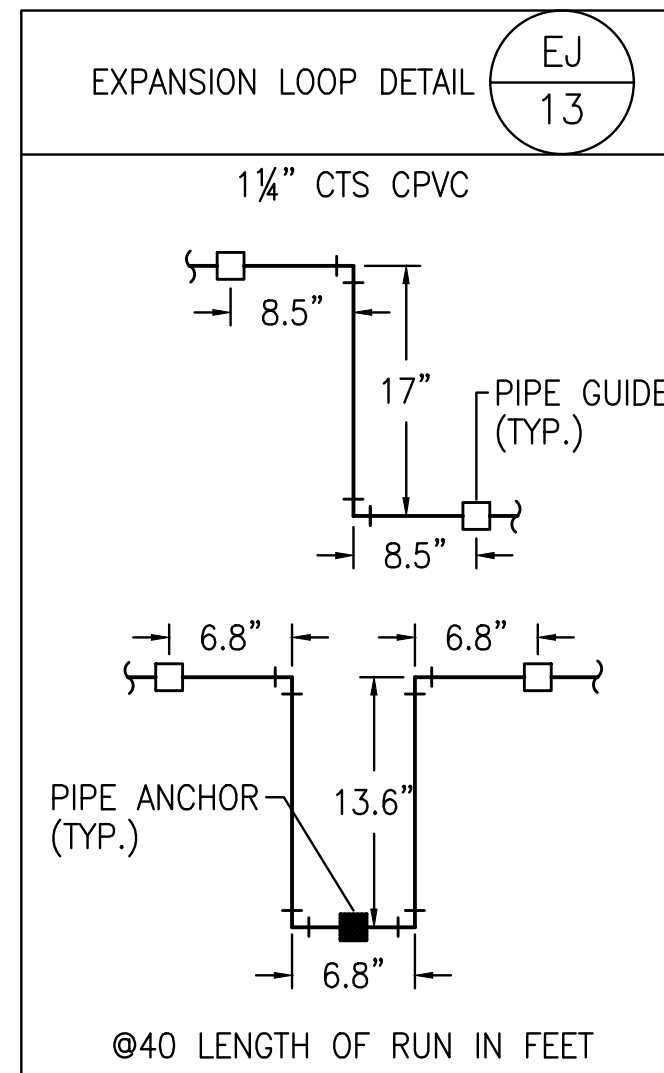
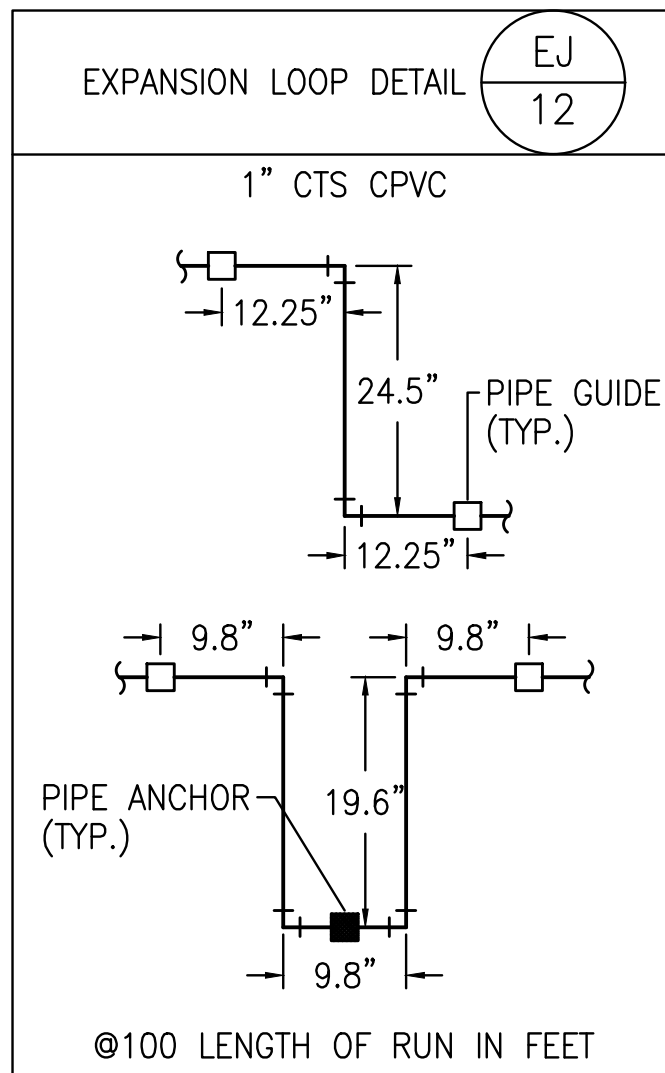
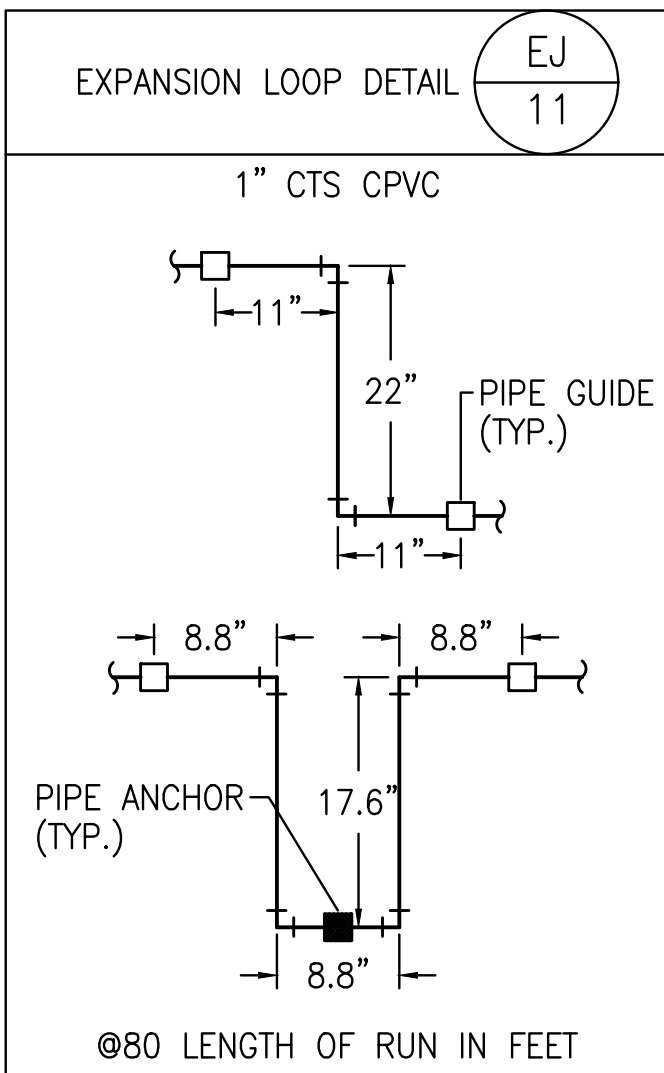
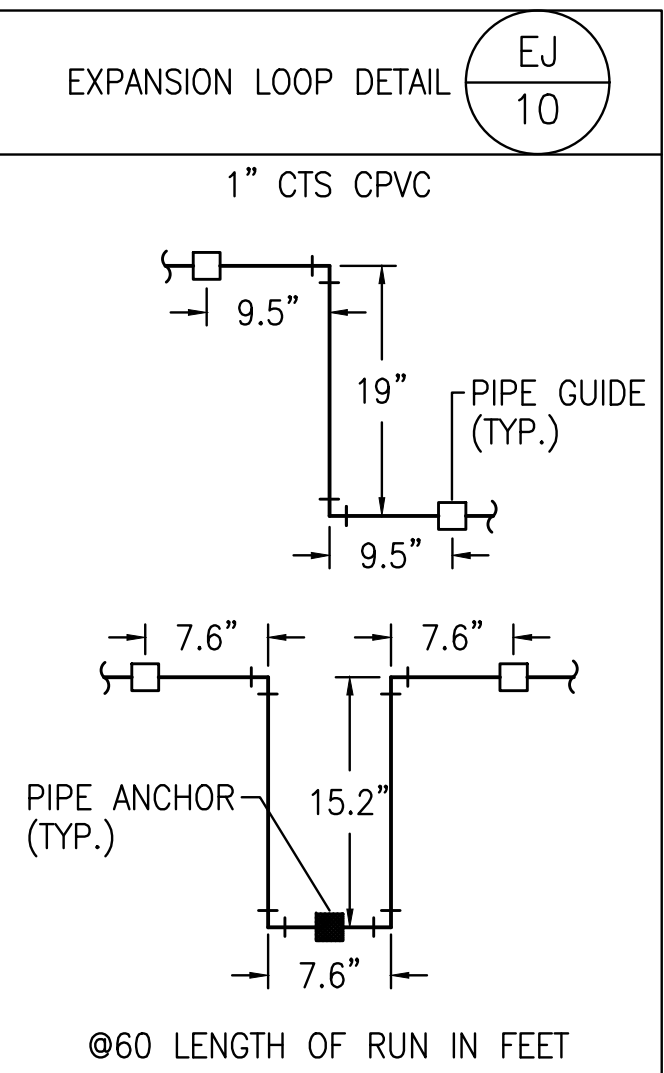
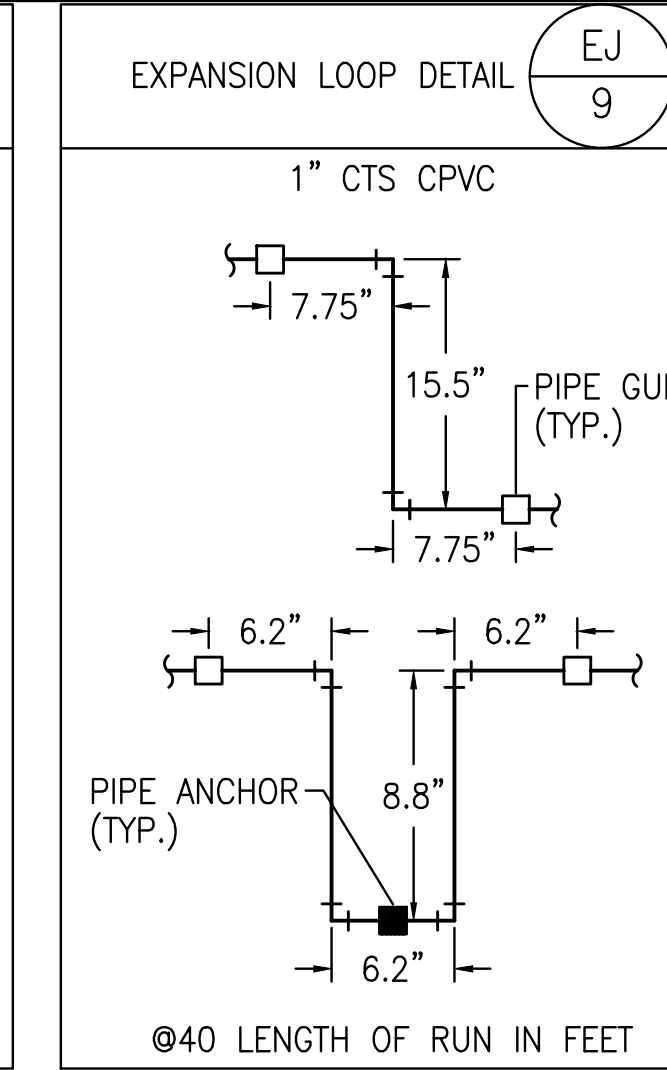
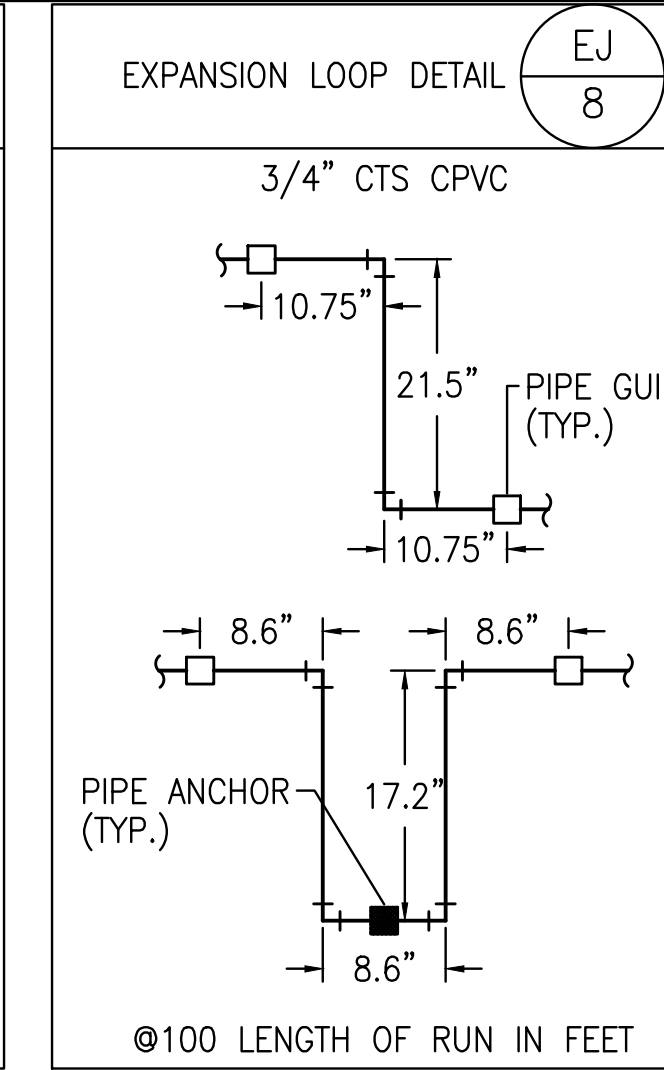
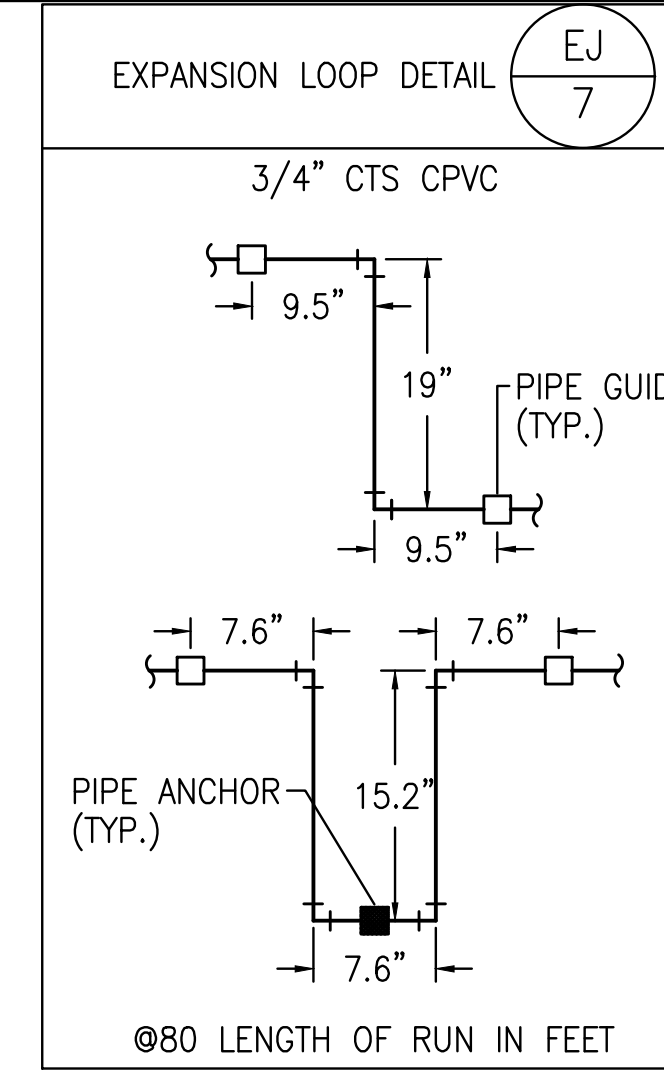
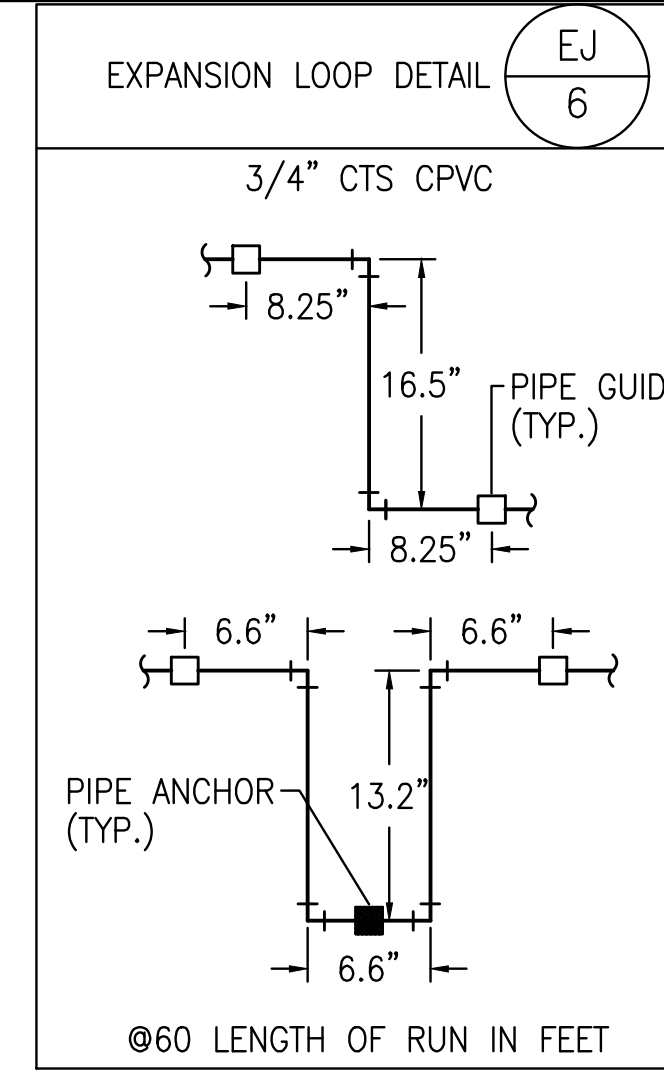
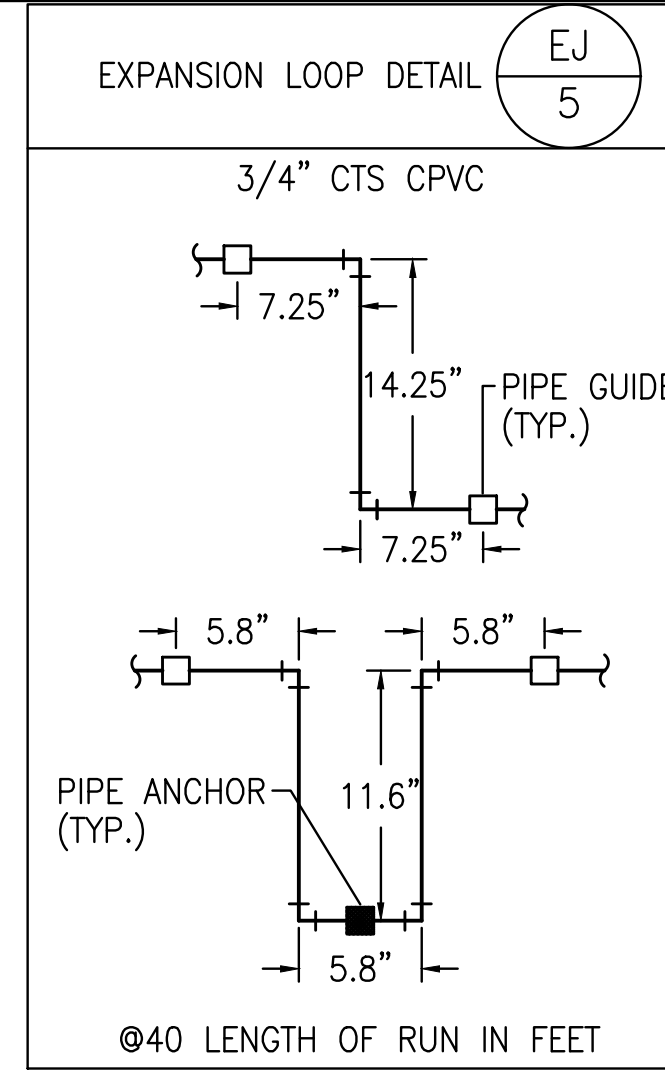
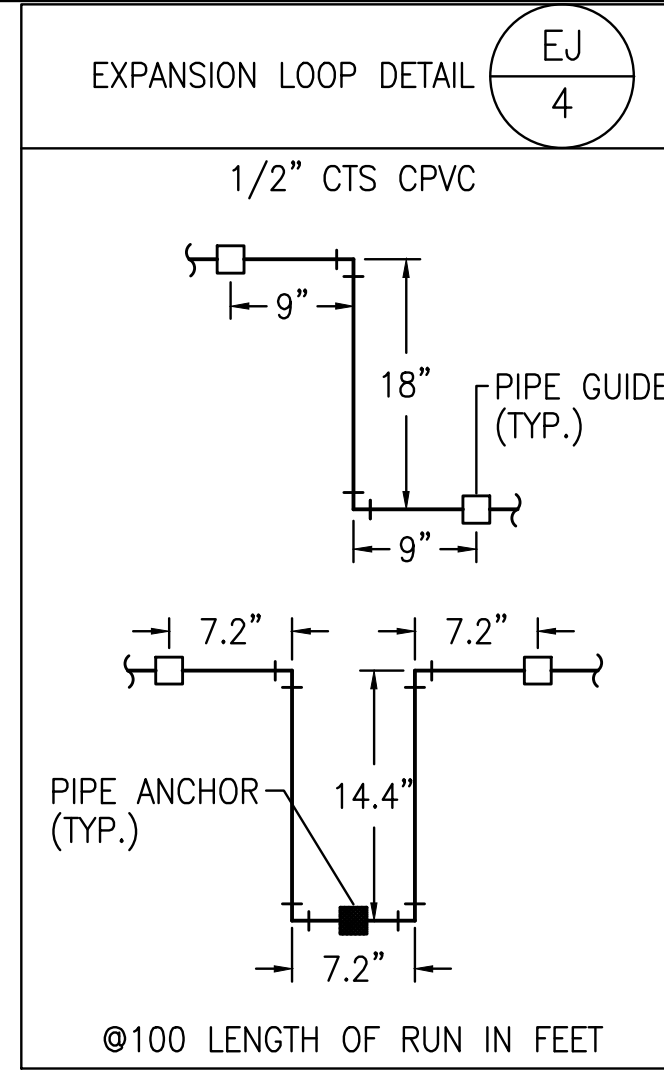
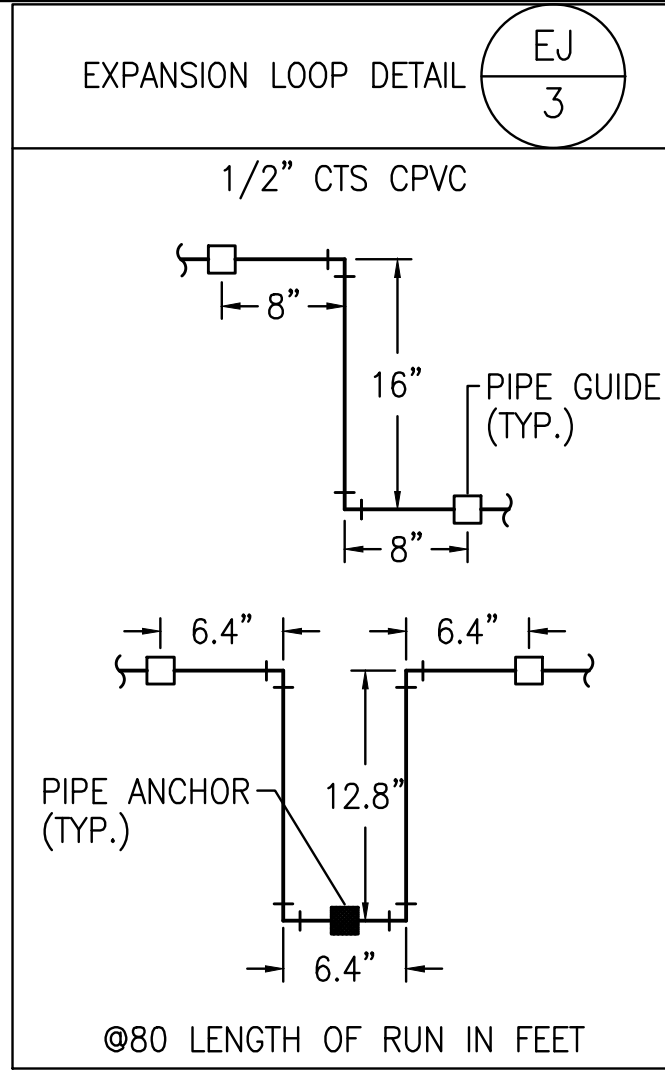
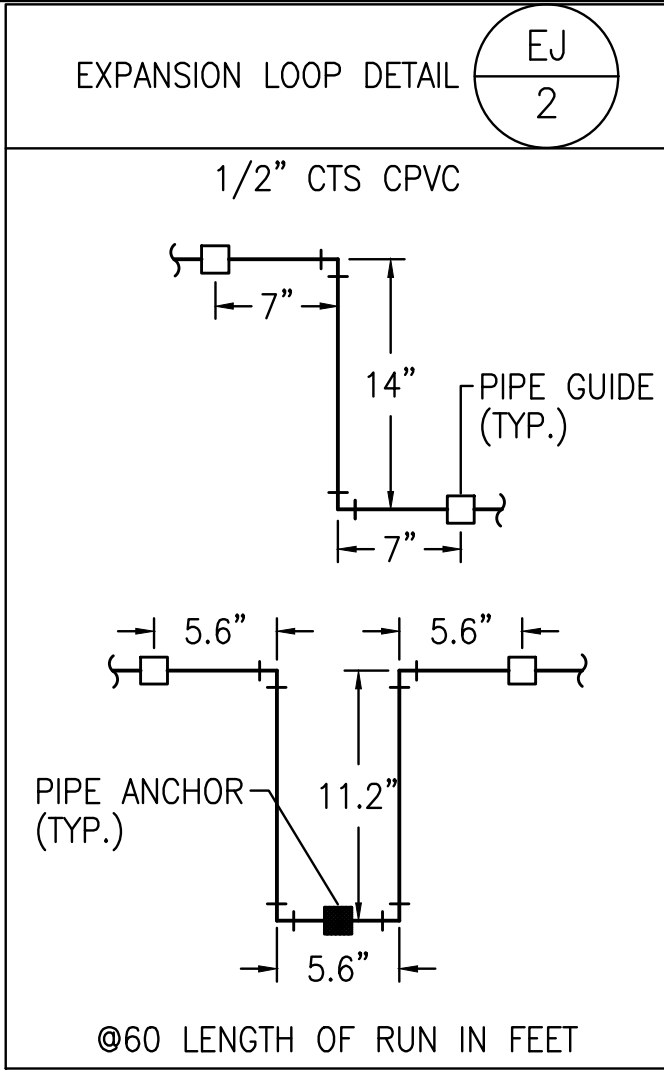
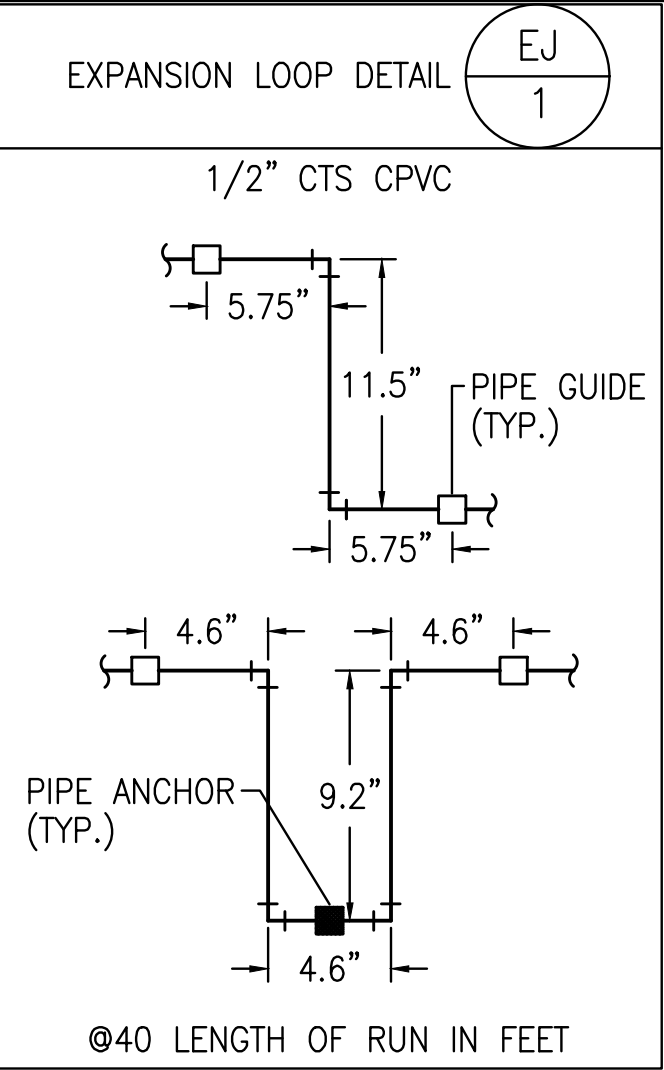


CPVC NOTES	
<div>1. Only solvent cements tested and listed an Independent Testing Laboratory acceptable to the Administrative Authority to comply with ASTM F 493-2004, "Solvent Cements for CPVC Plastic Pipe Fittings" shall be used.</div> <div>2. The Contractor shall furnish a list of all materials utilized in direct contact with CPVC and associated with the installation of the system to ensure and confirm that the compatibility requirements are met.</div> <div>3. Pipe sizing methods for CPVC hot and cold water distribution systems shall be in compliance with the manufacturer's printed instructions and the CPC 2013 Edition.</div> <div>4. Products that are tested and listed by an independent testing laboratory acceptable to the administrative authority in compliance with UL 723-2004, "Standard Test for Surface Burning Characteristics of Building Materials", may be installed in areas where combustible materials are allowed , per Section 602.2 of the California Mechanical Code (CMC) 2013 Edition.</div> <div>5. Penetrations of fire-rated assemblies shall be identified on the approved plumbing plans, and shall comply with Chapter 15 of the CPC 2013 Edition.</div> <div>6. Prior to issuance of a plumbing permit, a general contractor or appropriate plumbing subcontractor shall provide (A) certificate of compliance and (B) worker safety forms.</div> <div>7. All piping, fittings, solvent cements and primers shall be labeled per their listing requirements, and as required per applicable standards listed in chapter 14 of the CPC 2013 Edition.</div> <div>8. The contractor shall furnish material safety data sheets and toxicity reports for solvent cements and primers.</div> <div>9. A general contractor or appropriate plumbing subcontractor shall provide labels to indicate "flushing times and date" and permanent sign with legible words "this building has non-metallic interior water piping fastened on or inside main electrical panel".</div> <div>10. Hangers and supports shall be in compliance with table 3-2 of the CPC 2010 Edition. Supports are required at 3' intervals both vertically and horizontally for pressure relief valve drain installations.</div> <div>11. Hose bibs shall be connected to only metal system components which are adequately anchored to the building structure. CPVC plastic systems shall be terminated inside walls.</div> <div>12. Water heater connections shall have a minimum of 6" of metallic piping between water heater and CPVC pipes. Instantaneous electric water heaters require at least 6" of metallic pipe to heater inlet and no CPVC pipes downstream.</div>	<div>13. Prohibited Joints:<div>a. CPVC piping shall not be threaded.</div><div>b. Female screwed fittings, with CPVC threads.</div><div>c. Joints made with adhesives.</div></div> <div>14. Threaded Joints:<div>a. When threads are required, only male adapters shall be used.</div><div>b. CPVC approved threaded joints shall be accessible.</div></div> <div>15. Location:<div>CPVC shall not be installed so as to be subjected to direct sunlight after installation, and shall not be installed on the surface of the building (unless it is protected by paint of a protective covering). Such paint or protective covering shall be approved to be chemically compatible with CPVC.</div></div> <div>16. These products shall be legibly and permanently marked as follows:<div>a. Manufacturer's name or trademark.</div><div>b. "CPVC"</div><div>c. Size</div><div>d. "NSF-PW"</div><div>e. "ASTM D 2846" or "ASTM F 439"</div><div>f. Applicable certification stamps (I.E.: CSA, UL, UPC, Etc..)</div></div> <div>17. The manufacturer shall provide test data from an independent testing laboratory acceptable to the administrative authority that their CPVC pipe, together with recommended fittings has a short term working pressure and temperature rating of 150 psi at 210 degrees for 48 hours or more.</div> <div>18. The installation and use of CPVC plumbing materials for hot and cold water distribution shall comply with all applicable plumbing codes and IAPMO IS 20-2005, Installation standard for CPVC solvent cemented hot and cold water distribution systems.</div> <div>19. Provide the listing and installation instruction for all pipe supports, hangers and riser clamps that have been tested and approved for use with CPVC hot and cold water piping.</div> <div>20. The contractor shall verify the pressure and temperature ratings for all proposed materials intended for use.</div> <div>21. Provide a means of protecting all CPVC water piping from mechanical damage that will comply with the requirements of the 2010 CPC section 313.5. Protection from mechanical damage usually requires the installation of sleeves, steel barricades and guards, or placing the pipe in recesses, pipe chases or concealed spaces. Suspended ceiling or raceways may be required to protect overhead piping.</div> <div>22. Thermal expansion requirements shall be installed per Table 1, IAPMO IS 20-2005 and/or manufactures installation requirements.</div>



RESPONSE
DATE: 05/07/2015
BY: [Signature]
REVISIONS
DATE: 05/07/2015
BY: [Signature]
DATE: 09/04/2015
BY: [Signature]
DATE: 10/20/2015
BY: [Signature]
DATE: 05/27/2016
BY: [Signature]

hla

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710 WILSHIRE BOULEVARD
MIXED-USE HOTEL PROJECT
SAN ANTONIO - CALIFORNIA 78201

AS NOTED
P-507
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PROJECT NUMBER: HLA 000000-00000

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APPROVED: --
SHEET: --
SPAN: --

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