

Phase II Objective. To replace existing piers supporting nine (9) columns that run from approximately 10' on the west side and east side and across the entire southern side of the building; install a forty inch frost barrier protection wall across the southern 10' of the east and west sides of building and across the entire southern perimeter of the south wall; replace piers as part of monolithic pour of concrete with frost barrier protection wall; and, after piers have been prepped, install previous columns on piers.

The purpose of this is to (a) correct settling of column piers that have settled in the past 44-years of the building; and to (b) create a layer of frost protection to prevent future concrete heaving of the floor. The frost protection wall will, also, serve as additional support for the piers, providing resistance against the piers settling or moving in the outward direction under significant snow loads.

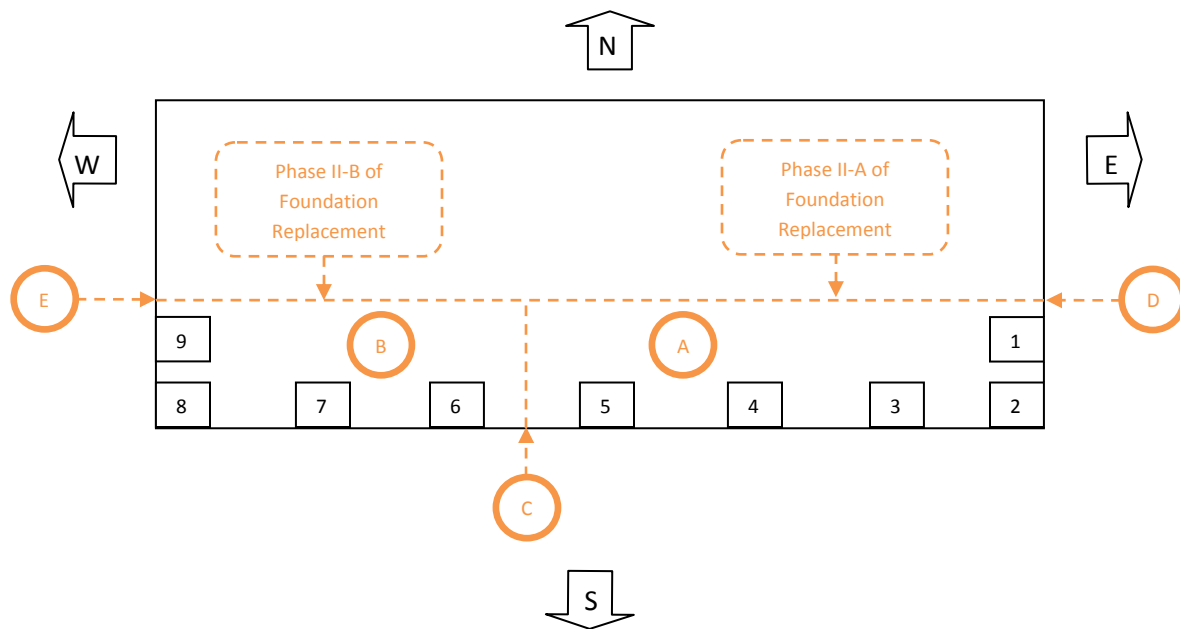
General Plan. The general plan for accomplishing this phase of the project is to begin with the foundation rehabilitation on the east side first and then, after completing the east half of the building, to rehabilitate the foundation on the west side of the building. The foundation construction on the east side of the building is classified as Phase II-A of the project and the west side of the building is described as Phase II-B of the project. Special attention should be provided to Figure A, which is included in this plan, because the plans herein reference points that are identifiable on the figure provided.

**Phase II-A.** Tasks required for completing Phase II-A of the rehabilitation are, generally, (i) support all beams being supported by columns no. 1, 2, 3, 4, and 5; (ii) removal of columns 1, 2, 3, 4, and 5; (iii) securing unremoved section of remaining red iron structure to ground to assist the structure during times of high wind that will be experienced in March; (iv) saw cut 10' by 60' from the south edge of building (see Section A in Figure A), remove slab floor, and remove existing piers while maintaining minimum disturbance to sub-floor compacted soil; (v) trench the southern wall from approximately the midpoint of the length of the building to approximately 10' north of the south wall along the east wall (trench cut from point C to point D on Figure A) with a trench that is, at a minimum, four feet deep; (vi) auger new pier footings that are 24" wide and 8' deep; (vii) complete rough-in sewer in to building's east new bathroom; (viii) apply rebar to trench and pier footings, tying footings and frost wall together in order to provide for a single, monolithic pour that binds the footings and wall together; (ix) form and pour upper cap that will complete footings for column reattachment and provide protection to sheetmetal of building to provide concrete protection around exterior base of building; (x) prep and pour new concrete for Section A of Figure A, which was removed as part of beginning of project; and (xi) replace previously removed red iron columns on newly poured footings and correctly square building.

**Phase II-B.** Tasks required for completing Phase II-B of the rehabilitation are, generally, (i) support all beams being supported by columns 6, 7, 8, and 9 with a hydraulic lift; (ii) removal of columns 6, 7, 8 and 9; (iii) securing unremoved section of remaining red iron structure to ground to assist the structure during times of high wind that will be experienced in March; (iv) saw cut 10' by 40' from the south edge of building (see Section B in Figure A), remove slab floor, and remove existing piers while maintaining minimum disturbance to sub-floor compacted soil; (v) trench the southern wall from

approximately the midpoint of the length of the building to approximately 10' north of the south wall along the west wall (trench cut from point C to point E on Figure A) with a trench that is, at a minimum, four feet deep and six inches wide; (vi) auger new pier footings that are 24" wide and 8' deep; (vii) complete rough-in sewer in to building's west new bathroom; (viii) apply rebar to trench and pier footings, tying footings and frost wall together in order to provide for a single, monolithic pour that binds the footings and wall together; (ix) form and pour upper cap that will complete footings for column reattachment and provide protection to sheet metal of building to provide concrete protection around exterior base of building; (x) prep and pour new concrete for Section B of Figure A, which was removed as part of beginning of project; and (xi) replace previously removed red iron columns on newly poured footings and correctly square building.

Figure A. Blue Building Sketch and Approximate Pier Locations of Piers Requiring Replacement (Not To Scale).



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