PHOTOS: 40-47

MATERIALS:
STEEL – PAINTED BROWN

STAIR DESCRIPTION:
EXTERIOR EGRESS ON THE NORTH SIDE OF THE BUILDING ACCESSING THE 2ND FLOOR AND ATTIC WITH AN INTERMEDIATE LANDING AT THE 1ST FLOOR.

STRUCTURAL SYSTEM:
1/4"x 6" STEEL PLATE STRINGERS WITH 1-1/2"x 1/4" STEEL BARS AT 1-3/4"oc LANDING AND TREADS. ATTIC AND 2ND FLOOR STEEL LANDINGS SUPPORTED BY DIAGONAL ANGLE BRACKETS ANCHORED TO BRICK WALL. INTERMEDIATE LANDING SUPPORTED BY 4x4 STEEL CHANNELS ANCHORED TO BRICK WALL, A L3-1/2"x 3-1/2"x 1/4" ANGLE POST AND A L3"x 3"x 1/4" ANGLE BRACE ATTACHED TO THE ANGLE POST AT GRADE. L 1-1/2" x 1-1/2"x 3/16 TOP RAIL AND NEWELS WITH AN INTERMEDIATE 1"x 1/4" STEEL BAR RAIL.

OBSERVATIONS:
1) BASE OF LOWER STRINGERS & ANGLE POST BELOW GRADE.
2) PAINT DETERIORATION, RUST AND ORGANIC GROWTH.
3) DAMAGED TOP RAILS AT INTERMEDIATE LANDING.
4) LOOSE EXPANSION ANCHORS AT ATTIC, 2ND FLOOR AND INTERMEDIATE LANDINGS.

MAINTENANCE & REPAIRS:
1) CLEAN OFF ALL ORGANIC GROWTH.
2) AT AREAS OF DETERIORATED PAINT & RUST, PREP STEEL AND PAINT WITH A ZINC RICH EXTERIOR PAINT.
2) REPLACE DAMAGED TOP RAILS WITH L2"x 2"x 1/4" ANGLES AT 1ST LEVEL.
3) REPLACE LOOSE EXPANSION ANCHORS WITH NEW STAINLESS STEEL ADHESIVE ANCHORS.
4) LOWER GRADE TO AT LEAST 2" BELOW ANGLE POST & STRINGER BASES.
| PHOTO 41 - LOOSE EXPANSION ANCHOR AT ATTIC LANDING |
| PHOTO 42 - LOOSE EXPANSION ANCHOR AT 2<sup>nd</sup> FLOOR LANDING. |
| PHOTO 43 - PAINT DETERIORATION, RUST & ORGANIC GROWTH |
| PHOTO 44 - PAINT DETERIORATION, RUST & ORGANIC GROWTH |

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PHOTO 45 – DAMAGED TOP RAILS AT INTERMEDIATE LANDING

PHOTO 46 – LOOSE EXPANSION ANCHOR AT INTERMEDIATE LANDING

PHOTO 47 – STRINGERS & ANGLE POST BELOW GRADE