

223 Mechanic Street
WORK SPECIFICATIONS

DATE: 6/6/10

REQUIREMENTS FOR STATE COMPLIANCE AND INTERIM CONTROLS

Requirements for interim controls and de-leading must comply with all applicable laws, regulations and protocol. When working to achieve interim controls or compliance with a lead report and lead inspector provided by the program, the first set of dust wipes, clearance tests, and inspections by the lead inspector will be paid for by the Rehab Program. If the tests fail the first time, the Contractor must pay for any subsequent dust wipes, clearance tests and inspections by the lead inspector required to receive certification of interim controls or compliance. If the tests fail three times, the contractor must hire and pay for another licensed de-leader to achieve interim controls or compliance.

A pre-bid lead inspection report furnished by a licensed Massachusetts lead inspector is to be furnished and wherefore becomes a part and an attachment to the contract specifications. Thoroughly abate areas as listed in this report in compliance with the State of Massachusetts Department of Health and Human Services as well as all State and Federal requirements for de-leading. All lead abatement work must be done by a licensed lead abatement contractor and on completion of the work the contractor must furnish de-leaded compliance certificates and clean all areas of work according to certified and approved methods.

NOTE: The contractor is responsible for reading the lead report and achieving compliance for any item listed as a lead hazard even if it is not specifically listed in the Work Specifications.

SCRAPE AND PAINT LOOSE AND FLAKING PAINT

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Room #2 door, door casing and jamb (hutch) side A2.
2. Room #2 ceiling molding.
3. Foundation sides ABCD.

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Scrape all loose and flaking paint off to make surfaces intact to achieve compliance. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore MoorGlo* primer and final coats to all exterior surfaces and Benjamin Moore AquaGlo or AquaVelvet* primer and final coats for all interior surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary

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to completely cover. NOTE: Contractor to include scraping and painting **all flaking paint that is loose from the** painted surfaces to achieve compliance (painting includes painting the entire component, surface, or wall edge to edge). Contractor to match the existing paint color as closely as possible..

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NOTE: Scraping to make intact means that all flaking paint that is loose is scraped from the surface (sanding is not allowed due to the rules of de-leading and the hazards involved). Surfaces with multiple layers of paint are accepted by the lead inspector as intact when all of the flaking paint that is loose is scraped from the surface. Portions of the flaking paint that remain adhered on the surface are considered intact. After scraping, the deleader primes the surface to seal and provide additional adhesion and protection from the elements. Surfaces made intact are inspected by the lead inspector and receive compliance certification. Please note, the surface paint may retain uneven irregularities, bumps, crevices, checkered or “alligatoring”, old looking paint. The Contractor is not responsible for these irregularities. The contractor is responsible for achieving compliance.

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PAINT REMOVAL BY SCRAPE/STRIPPING (includes repainting)

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Room #2 door, door casing and jamb (hutch) side A2 (include closet door side A1).
2. Room #4 door jamb side A1.
3. Bathroom #2 side C1.
4. Hallway #3 door casing and jamb side A1 (to bathroom).
5. Stairway 1st floor to 2nd railing cap, balusters, lower rail, treads, risers, stringers, floor edge, floor casing (include the large newel post at top of stairs and the rounded turned balusters at top landing).

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Scrape/strip all paint to bare wood to achieve compliance. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore MoorGlo* primer and final coats to all surfaces according to manufacturer’s recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Contractor to match the existing paint color as closely as possible..

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Prepare all surfaces to be painted. Feather all edges where the scraped or stripped paint area meets the existing painted surfaces. Set nails, caulk and fill all imperfections, and apply Benjamin Moore MoorGlo* primer and final coats to all exterior surfaces and Benjamin Moore AquaGlo or AquaVelvet* primer and final coats for all interior surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. NOTE: Contractor to include painting the entire component, surface, or wall edge to edge). Contractor to match the existing paint color as closely as possible.

DEMOLITION

GARAGE DEMOLITION AND REMOVAL

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Rear garage.

Demolish and remove the entire garage structure to a legal dumpsite. Remove any anchor bolts from the concrete slab, and all wood and debris immediately surrounding the garage. Contractor to leave the concrete garage slab intact and broom clean.

REAR HALL & BATHROOM DEMOLITION AND REMOVAL

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Rear hallway #2 roof, roof materials, decking, framing, footings, posts, columns, railings/walls, piers, concrete.
2. Rear bathroom #1 roof, roof materials, decking, framing, footings, posts, columns, railings/walls, piers, concrete.

Demolish and remove the entire additions to a legal dumpsite. Remove all debris and building materials. Rake area level prepped for future loam. Prep the siding area for new siding.

FRONT PORCH DEMOLITION AND REMOVAL

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Front porch roof, roof materials, decking, framing, footings, posts, columns, railings/walls, piers, concrete.

Demolish and remove to a legal dumpsite. Remove all debris and building materials. Remove all rocks larger than 2-inches in diameter, debris, bricks, masonry blocks, etc. Rake area level prepped for future loam. Prep the siding area for new siding.

NOTE: Include removing the front stairway stringers, risers, and treads up to the existing Kitchen entrance landing.

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NOTE: Remove the building jack at the right front corner and return to the neighbor across the street.

DRYWALL (includes painting)

DRYWALL WALLS

Deleading

LOCATIONS LISTED BELOW:

1. Rooms #1 & #2.
2. Second floor front bedroom walls.

Install and paint new sheetrock on the wall(s) listed above. Tape and seal all seams, corners, and nail heads with joint tape and apply 3 coats of US Gypsum* joint compound. Install galvanized steel corner bead on all outside corners and sand all surfaces to a smooth surface. All Gypsum Board panels shall be of the same manufacturer, 48" wide in the longest lengths possible, and no less than ½ inch thick. Materials shall be United States Gypsum *. Bathrooms and wet areas shall have 5/8 inch moisture resistant Gypsum board, and where code requires fire rated 5/8" gypsum board shall be installed on all ceiling surfaces complying with all building codes and as approved by the Fire Department. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats to all surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Owner to choose from available colors.

DRYWALL CEILINGS

Non Deleading

LOCATIONS LISTED BELOW:

1. Rooms #1 & #2.
2. Second floor front bedroom ceiling.

Install and paint new sheetrock on the ceiling(s) as listed above. Tape and seal all seams, corners, and nail heads with joint tape and apply 3 coats of US Gypsum* joint compound. Install galvanized steel corner bead on all outside corners and sand all surfaces to a smooth surface. All Gypsum Board panels shall be of the same manufacturer, 48" wide in the longest lengths possible, and no less than ½ inch thick. Materials shall be United States Gypsum *. Bathrooms and wet areas shall have 5/8 inch moisture resistant Gypsum board, and where code requires fire rated 5/8" gypsum board shall be installed on all ceiling surfaces complying with all building codes and as approved by the Fire Department. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats to all surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Owner to choose from available colors.

CARPENTRY

EXTERIOR DOOR RE-FITTING

Non Deleading

LOCATIONS LISTED BELOW:

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1. Kitchen front egress door.

Remove the existing front Kitchen pre-hung egress door. Re-install the pre-hung door unit and trim to an elevation achieving adequate clearance from the new Kitchen flooring. Replace trim if damaged and touch up paint as required.

CAP AND PAINT BASEBOARD OUTSIDE CORNERS

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Room #1 sides ABCD.
2. Room #2 sides ABCD.
3. Room #3 sides ABCD.
4. Hallway #1 sides ABCD.
5. Stairway 1st floor to 2nd sides ABCD.

Cap and paint baseboard with wood molding; strip outside corners to achieve compliance.

DOOR CASING AND JAMB

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Room #1 side C1, D1.
2. Room #2 side A1.
3. Hallway side B1.
4. Hallway #3 side B1, C1.

Install new door casing as manufactured by Brosco* sized to match existing as closely as possible.

NOTE: Include replacing all of the door casings, jambs, and trim in rooms #1 & #2. Install jamb extensions to accommodate the thickness of the new drywall.

NEW INTERIOR WINDOW SILL, APRONS, CASINGS, INTERIOR STOPS, AND TRIM

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Room #2 sides C1.

Install and paint new window sills, aprons, casings, and interior stops using #1 clear or finger jointed pine. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats to all surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Owner to choose from available colors.

BASEMENT STAIRS & RAILINGS

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Basement stairway

Construct stairs with (4) 2x12 treated lumber stringers. Stairs shall be designed so that all risers shall be the same measurement between 7 and 7 ½ inches high, and all treads shall be the same measurement between 10 and 11 inches deep. Allowable variance for adjacent risers and treads shall be no more than 3/16 of an inch. Stairs must comply with all building codes and come complete with approved APA rated plywood for a minimum ¾ inch tread and a minimum ½ inch riser.

Install basement railings using Coffman* Oak wall rail C-6040. Tie into wood, masonry, or concrete using

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manufacturer's recommended wall rail brackets. Install according to manufacturer's recommendations, and in compliance to all building codes.

NOTE: Remove the basement stairway built in shelves and supports. Patch and paint demoed surfaces.

NEW SHELVES

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Room #2 side A1.
2. Hallway #1 side B1.

Install and paint new #1 clear pine wood shelves and shelf supports.

NEW PORCH

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Front porch (exclude the landing leading to the Kitchen egress door).

Install a new treated lumber porch with 4x4 posts, stairs, railings and a roof. Size porch and roof to match existing as closely as possible. Construct deck with treated lumber 2x-stock joists 16 inches on center sized to meet code requirements. Decking to be 5/4 treated lumber. Construct stairs with 2x12 treated pine stair stringers 16 inches on center. Stairs shall be designed so that all risers shall be the same measurement between 6 and 7 ½ inches high, and all treads shall be the same measurement between 10 and 11 inches deep. Allowable variance for adjacent risers and treads shall be no more than 3/16 of an inch. Stairs must comply with all building codes. Construct top and bottom railings with treated pine 2x4's and 4x4 posts around the landing platform and down the stairs on both sides. Install 2x2 balusters 5 ½ inches on center (4-inch clearance between balusters) between the top and bottom railings. Secure deck to the house with lag bolts. Install footings and concrete pad per code. NOTE: Bottom stair tread must be treated lumber. Concrete pad or footing to be ½ -inch to 1-inch higher than the adjacent ground or surface.

Frame the new roof to match the existing size as closely as possible. Joists and rafters to be 2x-stock 16 inches on center sized to meet code requirements. Install spruce board for fascia covered with white coil stock, and perforated vinyl panels for the soffit. Install solid corrugated vinyl panels for the ceiling. Include white vinyl lattice work with treated pine framing and trim.

Install new roof sheathing for the entire roof. Roofing staples may not be used. Install shingles with 1 ¼ inch minimum galvanized roofing nails over #15 felt paper. The new roof and roof system membrane to be guaranteed by the manufacturer for 25 years. Material and the installation are to be guaranteed by the Contractor for 1 year.

Install GAF* or Certaineed* self sealing wind resistant asphalt or asphalt/fiberglass Architectural roof shingles to the entire roof surface, including adjacent structures, and roof overhangs. Shingles must be rated class "A", have a minimum weight of 235 lbs. per square, and carry a 30-year warranty. Installation includes 5-inch aluminum drip edge on roof edges and rakes, GAF* "Ice Dam" or "Weather Guard" protective shield 36 inches wide on all roof drip edges, edges abutting adjacent exterior walls, and in all valleys. Owner to select from available colors. Install flashing as needed per manufacturer's recommendations to provide a watertight membrane between the roofing system and the house.

NOTE: Stairs to replace the stairs that are demoed (use existing Kitchen entrance landing for the stairs

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TREATED LUMBER NOTE: Fasteners and hardware for treated lumber applications must comply with the following:

1. Lag bolts must be hot dipped and have a galvanized rating of G-90.
2. Joist hangers and metal connectors must have a galvanized coating equal to G-185. Simpson's ZMAX line and USP Structural Connector's Triple Zinc line are both rated G-185. Nails used for fastening the joist hangers and metal connectors must be hot dipped and have a galvanized rating of G-90.
3. All flashing must be York Flashing* (copper coated with a paper backing) or Polyglass Q* (copper coated with an ice and water shield backing).
4. Stainless steel screws must be used to fasten the decking, railings, balusters, treads, risers, etc. Use the stainless steel screws that reverse the thread and pull the screw head down flush with the face of the material.
5. All treated lumber framing components fastened with a framing gun using power actuated wire collated and coil nails must use Bostitch* Thickcoat* nails that are specifically designed for lumber treated with Alkaline Copper Quaternary (ACQ).

REPLACE ROTTEN EXTERIOR WOOD TRIM (prepped for vinyl siding)

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Entire house and additions(exclude the rear demoed hall and bathroom).

Replace the rotten fascia, soffit, rake, corners boards freeze boards, window and door trim, moldings, wood trim on the entire main house and additions prepped for new vinyl siding.

BUILD OUT WOOD TRIM PREPPED FOR NEW VINYL SIDING

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Entire house and additions(exclude the rear demoed hall and bathroom).

Install new 2x stock to build out all of the window and door trim, rake board, wood trim as required to prep for new vinyl siding.

EXTERIOR STAIRS & LANDING

Non Deleading

LOCATIONS LISTED BELOW:

1. Rear Kitchen egress door

Coordinate with the removal of the existing hall & bathroom. Install new treated lumber stairs and landing.

Construct stairs with 2x12 treated pine stair stringers 16 inches on center. Include treated lumber railings on all sides of the stairs with additional Brosco* C-6040 clear fir wall railings attached to the interior of the new treated lumber railings using coffman* exterior finish holding brackets and fittings as required to fit the stair system. Stairs shall be designed so that all risers shall be the same measurement between 6 and 7 ½ inches high, and all treads shall be the same measurement between 10 and 11 inches deep. Allowable variance for adjacent risers and treads shall be no more than 3/16 of an inch. Stairs must comply with all building codes. Construct top and bottom railings with treated pine 2x4's and 4x4 posts around the landing platform and down the stairs on both sides. Install 2x2 balusters 5 ½ inches on center(4-inch clearance between balusters) between the top and bottom railings. The dimensions of the stair landing platform to meet code (approximately 5x50. Install footings below the frost line.

NOTE: Bottom stair tread must be treated lumber. Terminate the stair stringers on a monolithic concrete pad with a nominal thickness of 3-inches. The top of the pad to be ½ -inch to 1-inch higher than the adjacent ground or surface.

TREATED LUMBER NOTE: Fasteners and hardware for treated lumber applications must comply with the following:

6. Lag bolts must be hot dipped and have a galvanized rating of G-90.
7. Joist hangers and metal connectors must have a galvanized coating equal to G-185. Simpson's ZMAX line and USP Structural Connector's Triple Zinc line are both rated G-185. Nails used for fastening the joist hangers and metal connectors must be hot dipped and have a galvanized rating of G-90.
8. All flashing must be York Flashing* (copper coated with a paper backing) or Polyglass Q* (copper coated with an ice and water shield backing).

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9. Stainless steel screws must be used to fasten the decking, railings, balusters, treads, risers, etc. Use the stainless steel screws that reverse the thread and pull the screw head down flush with the face of the material.
10. All treated lumber framing components fastened with a framing gun using power actuated wire collated and coil nails must use Bostitch* Thickcoat* nails that are specifically designed for lumber treated with Alkaline Copper Quaternary (ACQ).

ROOFING

SHINGLE ROOFING (30-year architectural shingles)

Non Deleading

LOCATIONS LISTED BELOW:

1. Entire house and additions (exclude the rear hall and bath to be demoed).

Strip the existing roof down to the sheathing and/or boards. Remove and dispose of the existing roofing materials from the entire house and additions. All damaged or rotten roof sheathing or boards on the entire house and additions will be replaced. Contractor to include the replacement of 32 square feet of roof sheathing or boards in the base bid. Contractor must take pictures of all damaged or rotten roof sheathing replacement (including less than 32 square feet of replacement). If the replacement is beyond 32 square feet, the contractor must notify the Rehab Specialist with a proposed cost for the additional work change order. Protect adjacent structures and surfaces from damage during removal and provide temporary weatherproofing for all exposed roofing components during the roofing process. Maintain a broom clean job site at all times during the renovations.

NOTE : If the roof surface has a slope greater than 2 inches, install a new asphalt shingle roof system. Roofing staples may not be used. Install shingles with 1 ¼ inch minimum galvanized roofing nails over #15 felt paper. The new asphalt roof system membrane to be guaranteed by the manufacturer for 30 years. Material and the installation are to be guaranteed by the Contractor for 1 year. Install Certainteed, GAF Marquis WeatherMax, or Timberline 30 year architectural roof shingles to the entire roof surface, including adjacent structures, and roof overhangs. Installation includes 5-inch aluminum drip edge on the rakes and drip edges, GAF, Certainteed, or Timberline ice and water shield on all the rakes and roof drip edges, in valleys, around skylights, and in joints between the roof and adjacent surfaces. Install a Coravent* ridge vent on all of the horizontal roof ridges. Owner to select from available colors.

NOTE: If the roof surface has a slope less than 2 inches, install a rubber roof system with the exception that a hip roof with a slope less than 2 inches will receive 100 % coverage of ice and water shield and asphalt roof shingles. Supply and install a Firestone* 060 mil Rubberguard* roof membrane system with a single layer of 1 1/2" fireboard roof insulation over the entire area fully adhered and installed according to manufacturer specs. Include trim and coil stock to cover the entire edge of the rubber roof, including the additional thickness of the 1 ½ inch insulation. The new rubber roof system membrane to be guaranteed by the manufacturer for 10 years. Material and the installation are to be guaranteed by the Contractor for 1 year.

Examine and replace existing flashing and drip edge as needed to provide a watertight membrane between the roofing system and the house. Flashing and drip edge to be replaced as needed to provide a waterproof membrane includes, but is not limited to chimney flashing, step flashing, valley flashing, pipe collar flashing, rake flashing, rubber roof drip edge (cover the edge of the roof including the new insulation material). Install flashing and drip edge per manufacturer's recommendations.

When replacing the chimney or masonry flashing to provide a watertight membrane, re-point the masonry joints at the flashing to match original appearance as closely as possible in composition and color. Clean and wash excess mortar from surface according to manufacturer's recommendations.

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METALS

STEEL BULKHEAD DOOR

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Rear bulkhead

Remove the existing bulkhead door. Install new concrete mortar as required to prep for a new bulkhead door. Install new treated lumber 2x stock sized to match the width of the bulkhead door foundation wall top. Install a new Bilco * Classic Series Steel Sided bulkhead door and frame according to manufacturer's instructions (include extension if required). Contractor to install new treated lumber 2x10 stairs treads. Door and stringers shall be packaged assemblies available form lumber and building supply dealers. Basement Door assembly shall be constructed of .090 - .100 thickness steel with Torsion Cam Lift System. Basement Door (and extension if specified) shall have flow- coated and baked- on factory prime finish and shall be furnished complete with hardware assembly bolts and anchors for securing to masonry. Installation shall be in accordance with manufacturer's instructions. Contractor to apply finish coat of Benjamin Moore* or California* alkyd outdoor enamel to all interior and exterior surfaces after installation (exclude the hardware). Owner to select from standard in stock colors. Contractor to provide to the owner a one year material and labor warranty on the new bulkhead door. Manufacturer shall supply a twenty-five year warranty against defects in material and workmanship of the product only. Installation shall be in accordance with manufacturer's instructions. Owner to deal directly with the manufacturer after the contractor's one year warranty has expired.

DOORS

SIX PANEL SOLID CORE MASONITE BOARD INTERIOR DOORS

Non Deleading

LOCATIONS LISTED BELOW:

1. Second floor front bedroom entrance door.

Remove and legally dispose of interior door units to be replaced. Install new Brosco * 6 paneled solid core masonite door units (wood grain or smooth) to be prehung with finger jointed pine-split jambs and casings(2 sides). Include brass-tone hinges (3), and doors prepped for lockset. Locksets to be Schlage* and Owner to have choice of passage or privacy locks. The finish of the hardware to match the finish of the locksets. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats for all interior surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Owner to choose from available colors.

BI-FOLD LOUVER DOOR

Non Deleading

LOCATIONS LISTED BELOW:

1. Second floor hallway closet.

Install and paint a Brosco* bifold pine louver door model B-812. Contractor to consult with homeowner to determine desired width and modify existing opening to frame in the rough opening. Include installing and painting the jamb and casings.

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FIBERGLASS SMOOTHSTAR EXTERIOR DOOR (9-light)
Energy Star U-factor must be no greater than 0.28 for the door unit
Deleading Compliance
LOCATIONS LISTED BELOW:

1. Rear Kitchen egress door.



Remove and legally dispose of any door specified to be replaced by a new door installation. Replace exterior door with a Thermatru* Smoothstar* nine light model S262. The door unit shall be prehung, including a primed wood frame, 2 inch brickmould casing, 2 3/8 inch standard bore backset, and Smoothstar compression weather-stripping. Provide new interior door trim on the inside of the new prehung unit. Install minimal expansion polyurethane foam in all the perimeter window cavities between the door frame and the rough opening prior to installing trim. Contractor shall include all labor and materials necessary to complete the job. Prep, prime, and paint new exterior doors with Benjamin Moore* semi gloss oil based paint. Doors shall receive as many coats of paint as necessary to fully cover. Owner to select from available colors. All exterior doors shall have Schlage* single deadbolts, and keyed passage sets. The finish of all hardware shall match the finish of the locksets, and doors are to be keyed alike per the owner's preference.

STORM DOORS (Emco Deluxe Triple Track)
Deleading Compliance
LOCATIONS LISTED BELOW:

1. Rear Kitchen egress door



Install a white pre-hung Emco Deluxe Triple Track Screen storm door shown on the right above. Materials to be installed in conformance with manufacturer's recommendations. Consult with the Owner to verify the direction or swing of the door before ordering or installation. Install the storm door according to the manufacturer's instructions. Hang the door plumb and true to the opening to insure the proper fit and operation of the quad seal around the door.

INSULATED METAL OR SOLID CORE WOOD BASEMENT DOOR
Deleading Compliance
LOCATIONS LISTED BELOW:

1. Basement exterior door.

Remove and legally dispose of the exterior basement door. Remove existing frame and install a new treated lumber rough frame mortared in and secured to the foundation walls with galvanized expansion bolts. Install and paint a new pre-hung 1 3/4 inch exterior solid core wood door cut to fit the opening or an insulated pre-hung metal exterior door cut to size at the factory. Install exterior hinges, passage lockset, deadbolt, weather-stripping, threshold, and Seal all edges before painting the door.

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WINDOWS

VINYL REPLACEMENT WINDOW UNITS (U value of 0.30 or better & energy Star qualified)

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Bathroom #2 side A1.

Remove all existing non-vinyl sashes, balances, weights and pulleys. Install new Stergis Alliance* Hawthorn series, Paradigm Tapestry series, or Alside Sheffield Series white vinyl replacement windows (match existing type i.e. casement, slider, awning, double hung with sash tilt-in, etc.). Match the existing pattern of sash mullions (for example 6 over 6, or 6 over one, or one over one). Include fully welded vinyl sash and frame, half screens, Low E glass, argon gassed filled insulated glass, weather stripping around the perimeter of the sash, security latches, constant force balance system, sloped sill, cam action sash locks, and vent latches. Include the warm edge spacer ClimaTech Plus with Edgetech's SST Spacer System (equal to Super Spacer manufactured by Edgetech I.G., Inc.) for the Alside Sheffield windows, and the Duraseal* high performance warm edge spacer manufactured by TruSeal Technologies, Inc. for the Stergis Alliance* Hawthorn Series and Paradigm Tapestry Series windows. All windows must have a U value of 0.30 or better.

Install minimal expansion polyurethane foam in all the perimeter window cavities between the window frame and the rough opening prior to installing trim. If the interior window casings are removed to install the new window, the contractor must paint all of the interior window header, interior stops, casings, sill, and apron. If any of the trim is damaged as a result of removal, the contractor must provide, install, putty and paint new trim to match the existing damaged trim as closely as possible. In addition, if the interior window casings are removed to install the new window, the contractor is responsible for associated wall patch/ repair and paint touch-up for any damaged areas resulting from the removal of the casings. Install coil stock on the exterior window trim after removing any storm windows. Install windows per manufacturer's recommendations and include all labor materials and equipment to complete the job.

NOTE: All windows must be Low-E/Argon gas filled Thermopane windows and have a U value of 0.35 or better. Energy Star Program standards require a U-value of 0.35 or better.

NOTE: Replacement windows change the window size slightly which might require the Owner to install new blinds and/or draperies. The Owner is responsible for all associated costs for new blinds and/or draperies.

NOTE: A U value of 0.30 is better than a U value of 0.35. Contractor must notify the Rehabilitation Specialist in writing if requirements for tempered glass preclude any window from qualifying for the Energy Star Program prior to placing the order or proceeding with the work.

BASEMENT WINDOWS (U value of 0.30 or better & energy Star qualified)

VINYL REPLACEMENT WINDOW UNITS (U value of 0.30 or better & energy Star qualified)

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Basement sides A1,B1,D1.

Grout basement window openings and frame with treated lumber. Install white anodized coil stock on the exterior of the new treated lumber frames. Install new Stergis Alliance* Hawthorn series, Paradigm Tapestry series, or Alside Sheffield Series white vinyl replacement hopper basement windows. Include Low E glass, argon gassed filled insulated glass, weather stripping around the perimeter of the sash, security latches, cam action sash locks, and vent latches. Include the warm edge spacer ClimaTech Plus with Edgetech's SST Spacer System (equal to

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means "similar or equal with prior written approval from the Rehabilitation Specialist and Owner."

Super Spacer manufactured by Edgetech I.G., Inc.) for the Alside Sheffield windows, and the Duraseal* high performance warm edge spacer manufactured by TruSeal Technologies, Inc. for the Stergis Alliance* Hawthorn Series and Paradigm Tapestry Series windows. All windows must have a U value of 0.30 or better. Install minimal expansion polyurethane foam in all the perimeter window cavities between the window frame and the rough opening prior to installing trim. If the interior window casings are removed to install the new window, the contractor must paint all of the interior window header, interior stops, casings, sill, and apron. If any of the trim is damaged as a result of removal, the contractor must provide, install, putty and paint new trim to match the existing damaged trim as closely as possible. In addition, if the interior window casings are removed to install the new window, the contractor is responsible for associated wall patch/ repair and paint touch-up for any damaged areas resulting from the removal of the casings. Install coil stock on the exterior window trim after removing any storm windows. Install windows per manufacturer's recommendations and include all labor materials and equipment to complete the job.

NOTE: All windows must be Low-E/Argon gas filled Thermopane windows and have a U value of 0.35 or better. Energy Star Program standards require a U-value of 0.35 or better.

FLOORING

KITCHEN VINYL SHEET FLOORING

Non Deleading

LOCATIONS LISTED BELOW:

1. Kitchen floor area.

Existing floor material to remain. Install new 3/8-inch multiply underlayment and "Starstep"* vinyl sheet flooring manufactured by Armstrong*. Provide metal edging as required.

NOTE: Coordinate with the elevation of the relocated Kitchen front egress door.

BATHROOM VINYL SHEET FLOORING

Non Deleading

LOCATIONS LISTED BELOW:

1. Second floor bathroom floor area.

Remove the existing flooring materials down to the exposed subfloor. Install new 3/8-inch multiply underlayment and "Starstep"* vinyl sheet flooring manufactured by Armstrong*. Provide metal edging as required.

VINYL SIDING, COVERAGE, & COIL STOCK

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Entire house and additions.

Remove all of the asphalt siding and materials down to the exposed sheathing and/or boards. Replace rotten sheathing as required (include 14 pieces of 1/2-inch exterior sheathing in base bid). Install new Certaineed Mainstreet* vinyl siding on the areas listed above according to manufacturer's recommendations. Install Currier* 3/8 foam Insulwrap* on all surfaces receiving vinyl and Include all material, trim, and sealants necessary to provide a complete membrane that sheds the water out onto the exterior of the siding or flashing. Owner to select siding and trim from available colors.

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

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Vinyl coverage includes all soffits and additional elements as needed to complete the job. Install soffit vents to provide adequate ventilation.

NOTE: Remove the electric feed line and meter box, install new siding, and re-install the electric feed line and meter box over the siding.

Install new white anodized Alcoa* aluminum .019 gauge coil stock with Alumalure 2000* finish on the soffit, fascia, rake boards, wood trim, moldings, window and door frames, etc for the areas listed above according to manufacturer's recommendations. Include all material, trim, and sealants necessary to provide a complete membrane that sheds the water out onto the exterior of the siding. Match original dimensions and profiles as closely as possible.

PLUMBING

BATHROOM SHOWER/ TUB MIXING VALVE

Non Deleading

LOCATIONS LISTED BELOW:

1. Second floor bathroom.

Install a new Symmons* Temptrol S-86-2 anti-scald valve (with an oversized plate cover if required) and all associated valves. Tie in all plumbing including the hot and cold feed lines. Include all labor and materials necessary to complete the full scope of work.

FIBERGLASS TUB WALL KIT (to custom fit around existing shower area)

Non Deleading

LOCATIONS LISTED BELOW:

1. Second floor bathroom.

Install a new ASB Corp Heavy Duty Sturdi-fit Tub Wall Kit model #37880.

NOTE: Include installing and painting new drywall above the new tub and surround area only.

ELECTRICAL

CARBON MONOXIDE ALARM

ALLOWANCE: Not to exceed \$ 59.00 dollars for each separate device.

QUANTITY: (1) The exact quantity specified must be installed (even if the quantity is more than the Fire Department or Building Inspector may require).

Non Deleading

LOCATIONS LISTED BELOW:

1. First floor hallway at the bottom of the stairs.

Install Kidde AC Wire-In Carbon Monoxide Digital Display Alarm model KN-COP-IC Part number 900-0121 as directed by the Fire Department. Contractor to obtain approval for type and location of alarm devices from the Fire Department prior to the commencement of work. Installation shall conform to the provisions set in the NFPA most current code and ordinances, as well as all State and local codes. Exposed wire mold, conduit or piping is not allowed unless approved in writing by the Rehabilitation Specialist. Contractors to provide an allowance not

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to exceed the allowance listed above for each separate device. No substitutions allowed for the manufacturer or model numbers specified in the specifications.

(Photoelectric) COMBINATION CARBON MONOXIDE & SMOKE ALARMS

ALLOWANCE: Not to exceed \$ 89.00 dollars for each separate device.

QUANTITY: (1) The exact quantity specified must be installed (even if the quantity is more than the Fire Department or Building Inspector may require).

Non Deleading

LOCATIONS LISTED BELOW:

1. Second floor hallway outside the bedrooms.

Install Kidde Firex AC Wire-in Combination Carbon Monoxide & Smoke Detectors model number KN-COPE-I with alarm/voice message warning system as directed by the Fire Department. Contractor to obtain approval for type and location of alarm devices from the Fire Department prior to the commencement of work. Installation shall conform to the provisions set in the NFPA most current code and ordinances, as well as all State and local codes. Exposed wire mold, conduit or piping is not allowed unless approved in writing by the Rehabilitation Specialist. Contractors to provide an allowance not to exceed the allowance listed above for each separate device. No substitutions allowed for the manufacturer or model numbers specified in the specifications.

Note: Contractor responsible for installing dual sensor ionization & photoelectric type smoke alarms if location is further than 20 feet from the Kitchen or a Bathroom with a shower, and photoelectric type smoke detectors if location is within 20 feet of the kitchen or a Bathroom with a shower

(Ionization & Photoelectric) DUAL SENSOR SMOKE ALARMS

ALLOWANCE: Not to exceed \$ 59.00 dollars for each separate device.

QUANTITY: (2) The exact quantity specified must be installed (even if the quantity is more than the Fire Department or Building Inspector may require).

Non Deleading

LOCATIONS LISTED BELOW:

1. Basement.
2. First floor hallway at the bottom of the stairs.

Install Kidde Firex PI2010 new hardwired dual sensor smoke alarms with battery backup as directed by the Fire Department. Contractor to obtain approval for type and location of alarm devices from the Fire Department prior to the commencement of work. Installation shall conform to the provisions set in the NFPA most current code and ordinances, as well as all State and local codes. Exposed wire mold, conduit or piping is not allowed unless approved in writing by the Rehabilitation Specialist.

Note: Contractor responsible for installing dual sensor ionization & photoelectric type smoke alarms if location is further than 20 feet from the Kitchen or a Bathroom with a shower, and photoelectric type smoke detectors if location is within 20 feet of the kitchen or a Bathroom with a shower

(Photoelectric) SMOKE ALARMS

ALLOWANCE: Not to exceed \$ 59.00 dollars for each separate device.

QUANTITY: (2) The exact quantity specified must be installed (even if the quantity is more than the Fire Department or Building Inspector may require).

Non Deleading

LOCATIONS LISTED BELOW:

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

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1. Second floor rear bedroom.
2. Second floor front bedroom.

Install Kidde Firex PE120PI2010 new hardwired dual sensor smoke alarms with battery backup as directed by the Fire Department. Contractor to obtain approval for type and location of alarm devices from the Fire Department prior to the commencement of work. Installation shall conform to the provisions set in the NFPA most current code and ordinances, as well as all State and local codes. Exposed wire mold, conduit or piping is not allowed unless approved in writing by the Rehabilitation Specialist.

Note: Contractor responsible for installing dual sensor ionization & photoelectric type smoke alarms if location is further than 20 feet from the Kitchen or a Bathroom with a shower, and photoelectric type smoke detectors if location is within 20 feet of the kitchen or a Bathroom with a shower.

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means “similar or equal with prior written approval from the Rehabilitation Specialist and Owner.