CITY OF MILLVILLE
SPECIFICATIONS AND REQUIREMENTS

CONTRACTOR IS TO OBTAIN ALL PERMITS AND APPROVALS. ALL WORK IS TO BE COMPLETED IN A PROFESSIONAL MANNER, MEETING ALL CODE ENFORCEMENT REQUIREMENTS.

1. **STORM DOOR** - TO BE CROSSBUCK STYLE WHITE ALUMINUM COMBINATION STORM AND SCREEN DOOR 1 1/8" THICK. DOOR TO HAVE SAFETY GLAZING. INSTALL WITH NEW CLOSER, HARDWARE, CHAIN AND SWEEP. INSTALL WITH ALUMINUM STOPS.

2. **STORM WINDOWS** - TO BE WHITE ALUMINUM TRIPLE-TRACK, INCLUDING SCREEN. TO HAVE EXTRUDED ALUMINUM ANTI-BCW STABILIZER BAR IN MIDDLE. STORM WINDOWS TO BE SET IN A BED OF CAULK. WEEP HOLES ARE TO BE OPEN AND FREE TO ALLOW PROPER FUNCTION.

3. **EXTERIOR WOOD PANEL DOOR** - TO BE WHITE PINE 1 ¾" THICK, WITH ONE TO THREE WINDOW LITES, FITTED INTO EXISTING DOOR JAM. INSTALL 3 NEW HINGES, KWIQSET OR EQUAL LOCKSET. EXTRUDED ALUMINUM 2 PCS THRESHOLD DOOR BOTTOM, WITH RUBBER SEAL, WEATHER STRIPPING TO BE WOOD STOP WITH VINYL GASKET.

4. **EXTERIOR WOOD FLUSH DOOR** - TO BE 1 ¾" THICK, MAHOGANY SOLID CORE DOOR WITH 1 TO 3 WINDOW LITES. INSTALL UNIT SAME AS #3 REQUIREMENTS.

4a. **STEEL ENTRY DOOR UNIT** - TO BE PEASE OR EQUAL, 1 ¾" THICK FITTED INTO EXISTING ROUGH OPENING, 1 TO 3 WINDOW LITES. FILL SILL AREA TO LEVEL WITH EXISTING FLOOR. INSTALL WITH BED OF CAULK UNDER THRESHOLD, NEW KICK PLATE AND KWIQSET OR EQUAL LOCKSET. TRIM INTERIOR AS NEEDED WITH TRIM TO COVER OLD TRIM MARKINGS. PAINT DOOR, JAMS AND TRIM WITH 2 COATS EXTERIOR QUALITY MAB OR EQUAL PAINT AS RECOMMENDED BY MANUFACTURER.

5. **WOOD DOUBLE-HUNG WINDOW SASH** - TO BE 1 3/8" THICK (OR AS REQUIRED BY EXISTING UNIT MANUFACTURER). SASH TO BE WHITE PINE SASH, MILLED TO FIT EXISTING SIZE OF WINDOW OPENING, INSTALL WITH NEW FARING HEAD, SASE CHAINES, LOCKS, (WEIGHTS, IF MISSING) INTERIOR SASH STOPS, CEW WINDOW CHANNELS MAY BE SUBSTITUTED FOR SASH CHAINS. PLANE AND FIT NEW SASH TO OPERATE SMOOTHLY IN OPENING, AND SO THERE IS NO AIR LEAKS. PAINT SASH 2 COATS EXTERIOR QUALITY MAB OR EQUAL PAINTING PRODUCTS TO INCLUDE TRIM, SILL AND JAM. PAINT INTERIOR SURFACES OF SASH, SILL, JAM, TRIM, WITH 2 COATS OF GLOSS ENAMEL. IF NATURAL, FINISH 2 COATS OF MAB OR EQUAL VARNISH. WINDOW STYLE TO CONFORM TO EXISTING STYLES ON BUILDING.

6. **ALUMINUM OR VINYL REPLACEMENT WINDOWS** - TO BE WHITE FINISH WITH INSULATED GLASS, SCREEN WINDOW TO BE MANUFACTURED TO FIT SIZE OF EXISTING WINDOW FRAME. WINDOW TO SLIDE FREELY AND BE CAULKED AND SEALED SO WEATHER TIGHT. INSTALL NEW INTERIOR WOOD TRIM STOPS AND FINISH WITH 2 COATS OF ENAMEL TO MATCH EXISTING. ALL UNITS TO HAVE SASH LOCKS. ALL SURROUNDING WOOD TO BE PAINTED AND FINISHED WITH 2 COATS EXTERIOR QUALITY PAINTS. MAP OR EQUAL.

7. **BATH AND KITCHEN FLOORS** - REMOVE EXISTING FLOOR COVERING, INSPECT AND REPLACE ALL DAMAGED AND DETERIORATED SUBFLOORING TO BE EVEN AND SOUND SURFACE. INSTALL ¼" WOOD UNDERLAYMENT, APPLY FLOOR PATCH LEVELER TO JOINTS AND UNEVEN SURFACES, SET ALL NAILS SECURELY (RING NAILS) EVERY 6". INSTALL VINYL FLOOR TILES OR SHEET GOODS USING WATERPROOF FLOOR ADHESIVE OVER ENTIRE SURFACE. INSTALL 4" VINYL COVE BASE AROUND ENTIRE AREA OF FLOOR. (OWNER MAY SELECT PATTERN AND COLOR).

8. **DRYWALL SURFACES** - INSTALL ½" DRYWALL. (REMOVE EXISTING SURFACE TO STRUCTURAL MEMBERS) INSTALL DRYWALL WITH DRYWALL NAILS, TAPE, FLOAT , AL SEAMS AND JOINTS, SAND AND FINISH. APPLY 2 COATS OF LATEX FLAT FINISH. FINISH TO BE SMOOTH, SOUND AND FREE OF ALL BUBBLES AND IMPERFECTIONS. (COLOR TO BE OWNERS CHOICE).

9a. WOOD STAIRS (CELLAR) REMOVE EXISTING WOOD STAIRS COMPLETELY. INSTALL 1 ½" THICK TREADS. INSTALL 1 5/8" OVAL HANDRAIL ON WALL BRACKETS, SAND ALL SMOOTH. STAIRS TO HAVE MAX. 8" RISE AND MIN. 11" RUN UNLESS CEILING HEIGHT OR LANDINGS SPACE WILL NOT ALLOW. NOTE: WHERE CONCRETE FLOOR OR PAD DOES NOT EXIST, INSTALL 4: THICK 3000 LB. CONCRETE PAD AT FLOOR LEVEL, MIN 3' X 4' WITH FLOAT FINISH.

9b. EXTERIOR STAIRS AND LANDING - ALL MATERIALS TO BE PRESSURE TREATED LUMBER. STRINGERS TO BE 1 ½" THICK WITH A MNAX. CF 32: SPACING. INSTALL 5/4" 1.X" PRESSURE TREATED DECKING MATERIAL. HANDRAILS AND GUARDRAILS TO BE INSTALLED AS PER BOCA CODE. OPEN RISER ARE ACCEPTABLE. MAX. RISE CF 8" AND MIN. RUN OF 11". NO PAINTING.

9C. WOOD STAIRS - REMOVE EXISTING WOOD STAIRS. INSTALL NEW 1 ½" THICK STRINGERS WITH MAX. OF 32" SPACING. INSTALL 1 5/8" OVAL HANDRAIL ENTIRE LENGTH OF STAIRS ON WALL MOUNTING BRACKETS. RISE TO MAX. 8: AND TREAD MIN. OF 11", UNLESS CEILING HEIGHT WILL NOT ALLOW. SAND ALL SURFACES, APPLY SEALER AND 2 COATS OF FLOOR VARNISH TO STAIRS AND RAIL.

9D. HANDRAILS - INSTALL MIN 1 5/8" OVAL HANDRAIL ON 3 WALL BRACKETS, SAND SMOOTH AND VARNISH WITH 2 COATS. ADDITIONAL BRACKETS AS REQUIRED FOR LONGER RUNS. EXTERIOR RAILS TO BE OF 2X4" P.T. MATERIAL WITH AT LEAST ONE CENTER RAIL.

9E. GUARDRAILS - MIN. OF 36" HEIGHT WITH 4" SPACING WHERE LANDINGS ARE GREATER THAN 30" ABOVE GRADE OR FLOOR.

10A. ASPHALT SHINGLE ROOF - (ROOFING OVER EXISTING WITH ONLY 1 LAYER EXISTING) PREPARE ALL SURFACES TO BE EVEN AND SOUND (REMOVE LOOSE TABS AND CUT BACK EDGES) INSTALL NEW WHITE ALUMINUM DRIP EDGE ON SIDES AND EDGES. INSTALL 18 GAUGE FLASHING AT ALL CHIMNEYS, VENTS, DORMERS, WALLS AND VALLEYS. CEMENT UPPER SURFACES OF FLASHING TO PREVENT INFILTRATION BEFORE LAYING DOWN SHINGLES. INSTALL 235 LB. PER SQ. ASPHALT, SEAL-SEALING SHINGLES, JOHN-MANSFIELD OR EQUAL, COLOR SELECTED BY OWNER.

NOTE: CONTRACTOR RESPONSIBLE FOR 64 SF OF PLYWOOD SHEATHING REPLACEMENT DUE TO DAMAGE UNLESS

OTHERWISE SPECIFIED. WHERE SHEATHING IS REPLACED, SURFACE IS TO BE EVEN WITH SURROUNDING SURFACES.

10B. ASPHALT SHINGLE ROOF - (EXISTING LAYERS TO BE REMOVED) INSTALL NEW 15 LB. FELT PAPER OVER SURFACE WHICH IS SOUND AND EVEN, THEN FOLLOW SPEC #10a PLUS NOTE.

11. DOUBLE COVERAGE ROOF - CUT AND NAIL ANY BUBBLES IN EXISTING LAYERS, INSTALL MINERAL SURFACE, HEAVY WEIGHT, DOUBLE COVERAGE ROLLED ROOFING (90 LB. PER SQ.) COVER ½ WIDTH OF ROOFING WITH BLIND NAILING BEFORE NEXT LAYER. INSTALL WHITE DRIP EDGE ON SIDES AND BOTTOM. INSTALL ALL FLASHING AS PER SPEC. 10A AND NOTE ABOUT SHEATHING. NOTE: 2 LAYERS OR MORE ROOFING REQUIRE REMOVAL TO SHEATHING.

12. MEMBRANE ROOFING -

A. CONTRACTOR SHALL PROVIDE A WRITTEN 5 YEAR GUARANTEE NOT CONTINGENT UPON ANY MATERIAL WARRANTIES AND COVERINGS. ALL MATERIAL TO INCLUDE FLASHING AND WORKMANSHIP.

B. ALL ROOFING SHALL HAVE AN UNDERLAYMENT OR BARE SHEET WITH 3 PLY HOT MOPPED FELT AND HOT MOPPED TOP COATING.

C. ALL NEW DRIP EDGE, FLASHING (ALUMINUM) AND COLLECTION BOXES.

ROOFING GUARANTEE - CONTRACTOR SHALL PROVIDE A WRITTEN 15 YEAR GUARANTEE NOT CONTINGENT UPON ANY MATERIAL WARRANTIES AND COVERING ALL MATERIALS TO INCLUDE FLASHING AND WORKMANSHIP.

13. GUTTERS - INSTALL 5" K-STYLE ALUMINUM GUTTER. PITCH SO WATER RUNS TO DOWN SPOUT OPENINGS. INSTALL WITH SPIKES AND FERRULES 4' SPACING. INSTALL STRAINERS AT DOWN SPOUT OPENINGS. SECURE ALL CONNECTIONS AND 90 DEGREE ANGLES WITH CUTTERSEAL AND PIP RIVETS AND SEAM CAPS. GUTTERS ARE T OBE INSTALLED SO AS TO COLLECT WATER FROM THE ROOF AND NOT ALLOW WATER TO RUN BETWEEN GUTTER AND FASCIA OR OVER GUTTER.

14. DOWNSPOUTS - INSTALL ¾' WHITE ALUMINUM DOWNSPOUTS AND CONNECT TO APPROVED DRAIN OUTLETS. INSTALL 90 DEGREE ELBOWS ON BOTTOMS AND SPLASH DIFFUSER UNDERNEATH. SECURE DOWNSPOUTS TO HOUSE WALL A MAXIMUM OF 10' APART, ALL CONNECTIONS AND JOINTS TO BE PIP RIVETED (2 MIN.) INSTALL A MIN. OF 2 DOWNSPOUTS PER GUTTER RUN AT ROOF EDGES.

15A. KITCHEN BASE CABINET AND SINK - INSTALL A NEW MEDIUM GRADE BASE CABINET WITH FORMICA OR EQUAL COVERED COUNTER TOP AND SPLASHBOARD. MIN. 2 DRAWERS AND 4 CABINET OPENINGS OR EQUAL, IF SPACE ALLOWS. INSTALL STAINLESS STEEL SINGLE BOWL SINK WITH P-TRAP, WASTE LINES, VENTING SUPPLY LINES AND SHUTOFFS UNDER COUNTER. DELTA OR EQUAL WASHER LESS FAUCETS. INSTALL FORMICA OR EQUAL AT WALL SURFACE BETWEEN BASE AND WALL CABINETS. UNIT IS TO BE 6' STARTER UNIT UNLESS SPECIFIED OTHERWISE.

15B. WALL CABINETS - INSTALL 6' WALL CABINETS TO MATCH BASE UNIT. LINEAR FEET WILL BE APPROXIMATE FOR INDIVIDUAL INSTALLATION. WOOD CABINETS, NOT COMPOSITION, CONSTRUCTED WITH LAMINATED SURFACES.

15C. BATHROOM TUB - INSTALL STEEL PORCELAIN FINISHED TUB WITH NEW TRAP, WASTE, VENTING, COPPER SUPPLY, SHUTOFFS AT ACCESS AREA. INSTALL ACCESS PANEL IF NOT EXISTING, INSTALL DELTA OR EQUAL WASHER LESS FAUCETS, SHOWER, ETC. ALL WORK TO BE APPROVED BY CODE OFFICIAL.

15D. WALL KIT. - INSTALL FIBERGLASS TUB WALL KIT WITH SOAP DISH ON GREENBOARD SHEETROCK WITH WATERPROOF CEMENT. ALL SURFACES TO BE FREE OF ACCESS GLUE AND TO BE SECURE AND IMPERVIOUS TO WATER. COLORS TO BE CHOSEN BY OWNER FOR TUB AND WALL KIT.

15E. SHOWER UNIT - ONE PIECE FIBERGLASS STALL SHOWER, 32" MIN. OR 4 PIECE UNIT COMPRISING OF BASE AND 3 WALL UNITS. TEMPE GLASS DOOR TO BE INSTALLED, NEW TRAP, WASTE, VENTING COPPER SUPPLY, SHUTOFFS AT ACCESS AREA. INSTALL ACCESS PANEL IF NOT EXISTING. INSTALL DELTA OR EQUAL WASHER LESS FAUCET, SHOWER, ETC. ALL WORK APPROVED BY CODE OFFICIAL.

15F. SINK/VANITY - INSTALL MEDIUM GRADE WOOD VANITY WITH STEEL PORCELAIN SINK, P-TRAP, WASTE, VENTING. INSTALL NEW

SUPPLY LINES WITH SHUTOFFS. INSTALL DELTA OR EQUAL WASHER LESS FAUCETS. OR INSTALL WALL HUNG UNIT IF SPACE IS RESTRICTED WITH SAME FAUCETS AND SUPPLIES.
NOTE: VANITY NOT TO BE COMPOSITION BOARDS WITH LAMINATED SURFACE.

15G. WATER CLOSET - INSTALL NEW WATER CLOSET TO MATCH OTHER FIXTURES ON NEW RING WITH SUPPLY LINE AND SHUTOFF, VENTING, ETC.

NOTE: REPLACE ANY ROTTEN FLOORING IN TOILET AREA BEFORE MOUNTING AMERICAN STANDARD OR EQUAL FIXTURE.

16. HOT WATER HEATER - REMOVE EXISTING HOT WATER HEATER FROM THE PREMISES, IF EXISTING, AND INSTALL 40 GALLON, GAS-FIRED OR ELECTRIC RUDD OR EQUAL HOT WATER HEATER TO EXISTING HOT AND COLD WATER LINES. GAS UNIT - INSTALL NEW GALVANIZED CHIMNEY PIPES INTO MASONRY OR APPROVED METAL STACK. CEMENT ALL OPENINGS WHERE VENTS GO INTO CHIMNEY OUTLET. INSTALL PRESSURE TEMPERATURE RELIEF VALVE AND DISCHARGE PIPE TO WITHIN 6" TO FLOOR AS PER CODE. UNIT TO HAVE GUARANTEE FOR A PERIOD OF 5 YEARS. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH ALL CODES.

17A. COPPER WATER SERVICE - DISCONNECT EXISTING SERVICE AND INSTALL ¾" APPROVED LINE FROM THE STREET TO WATER METER. INSTALL SHUTOFF VALVES AT BOTH SIDES OF METER. OBTAIN ALL APPROVALS BY CODE OFFICIAL BEFORE FILLING AND REPLACE ALL SURFACES SUCH AS SIDEWALKS, GRASS ETC. AFTER SERVICE IS INSTALLED.

17B. WATER SUPPLY - REMOVE EXISTING HOT AND COLD LINES AND INSTALL NEW COMPLETE COPPER SUPPLY SYSTEM TO ALL FIXTURES WITH ALL REQUIRED VALVES, UNIONS, ETC. BY CODE. OBTAIN ALL PERMITS AND APPROVALS.

18A. CONCRETE STEPS - BREAKOUT AND REMOVE ANY EXISTING STEPS ENTIRELY, POUR SOLID CONCRETE FOOTER TO CODE. POUR NEW CONCRETE (3000 LB. MIX) STEPS TO MEET ALL CODES. THIS IS TO INCLUDE 3'X5' LANDING IF NONE EXISTS. FINISH STEPS WITH BROOM FINISH OR USE PRE CAST UNITS WITH REQUIRED FOOTINGS AND HOLLOW MASONRY UNITS.

18B. CONCRETE FLOOR (CELLAR) - DIG OUT CELLAR AREA FLOOR AND POUR (3000 LB. MISC.) 4" THICK, FLOAT FINISH AND INSURE NO HOLES OR IMPERFECTIONS, TO BE LEVEL AND MAINTAIN PROPER HEAD CLEARANCE.

19. IRON RAILING - TO BE SOLID WELDED WROUGHT IRON WITH VERTICAL RAILS TO BE SOLID 3/8" IRON SPACED NO FURTHER APART THAN 4". RAILINGS TO EXTEND FROM FOOT OF STEPS TO BUILDING. PRIME ALL IRON WITH 1 COAT MAB OR EQUAL RUST RESISTANT PAINT AND FINISH WITH 2 COATS OF MAP OR EQUAL RUST RESISTANT FINISH GLOSS COAT.

20. WALL COVERINGS - MARLITE OR EQUAL ON BATH AND KITCHEN WALLS. PREPARE SURFACES SO AS TO BE SOUND AND EVEN. REMOVE ANY DETERIORATED AREAS AND INSTALL GREENBOARD FLUSH TO EXISTING. INSTALL WALL BOARD WITH WATERPROOF CEMENT TO SECURE ALL SURFACES. INSTALL MATCHING DIVIDERS AND CORNERS AND 4" VINYL COVER BASE AT FLOOR. PATTERN AND COLOR TO BE SELECTED BY OWNER.

21. CHIMNEY - REBUILD TOPS TO 6" BELOW ROOF, NEW FLASHING, IS GA/MIN. AND ASPHALT CEMENT TO ELIMINATE INFILTRATION. IF PARGING IS REQUIRED, INSTALL GAL. WIRE MESH, NAILED 16" O.C. AND PARGE WITH TWO SEPARATE ½" COATS OF PORTLAND CEMENT. , THREE PARTS SAND, ONE PART LIME AND ONE PART CEMENT. FINISH TO BE TRUE AND SMOOTH.

22. INSULATION - BLOWN IN CELLULOSE OR FIBERGLASS IN AREAS NOT ACCESSIBLE, MIN OF 8", MIN. OF R-11 IN WALLS AND FLOORS AND R-19 IN CEILINGS RATING. PATCH ALL HOLES TO ALLOW BLOWN IN APPLICATION.

23. INSULATION ATTIC - INSTALL NEW LAYER OF R-11 TO BRING RATING UP TO MIN. OF R-19. INSTALL ADEQUATE CROSS VENTILATION, SOFFIT, GABLE OR ROOF AS APPLICABLE.

24. PARGE FOUNDATION WALLS - KNOCK OFF ALL LOOSE CEMENT AND WIRE, BRUSH WALLS TO PREPARE SURFACE. CEMENT PARGE (TROWEL FINISH) WITH A MIXTURE OF SPEC. #21.

25. RATED WALL OR CEILING - 1 HR. RATING IF REQUIRED. INSTALL 5/8" FIRE CORE DRYWALL OVER STUDS OR JOISTS. ANY NEW MEMBERS MUST BE MIN. 2X4" SPACED 16" O.C. SPACKLE, TAPE AND FINISH ALL JOINT AND CORNERS SO AS TO BE SMOOTH AND EVEN WITH 2 COATS. SEAL ALL OPENINGS.

26. ELECTRICAL SERVICE - DISCONNECT AND REMOVE EXISTING. INSTALL NEW 100 AMP. ELECTRICAL SERVICE WITH 20 CIRCUIT BREAKER PANEL ON MAIN DISCONNECT SWITCH SECURED PROPERLY. CONNECT TO ALL APPROVED LINES. ALL WORK SHALL BE INSPECTED BY THE CODE OFFICIAL. ADDED LINES ONLY AS SPECIFIED.

27A EXTERIOR PAINTING - WOOD TRIM - CORNICES, SOFFITS, PORCHES, WINDOW UNITS, DOORS, LATTICE, PORCH DECKS, CEILINGS, COLUMNS, ETC. SCRAPE AND REMOVE ALL LOOSE AND FLAKING PAINT, FILL ALL GAPS, HOLES, CRACKS, ETC. WITH WOOD BUPPY AND CAULKING, APPLY 2 COATS OF EXTERIOR MAP OR EQUAL EXTERIOR GRADE PAINT. ALL SASH TO BE REGLAZED, RECAULK ALL EXISTING STORM PANELS, SEAL ALL ENTRY POINTS FOR WIRES, GAS LINES, ETC. ALL SURFACES TO BE SOUND, OR REPLACE ANY DETERIORATED, MISSING OR ROTTEN WOOD PRIOR TO PAINTING.

27B. EXTERIOR TRIM - WRAP ALUMINUM, COVER ALL EXTERIOR CORNICES, SOFFITS, FASCIA, RAKES, WINDOW TRIM, SILL, ETC. PACK ALL TRIM SURFACES SUCH AS WINDOWS PRIOR. REMOVE ALL STORM WINDOWS BEFORE APPLICATION.
NOTE: WRAP ALL UNITS THAT HAVE REPLACEMENT UNITS INSTALLED.

27C. ALUMINUM SIDING OR VINYL EQUAL SIDING - INSTALL SIDING WITH GALVANIZED NAILS. INSTALL ½" INSULATED SHEATHING TUFT-R OR EQUAL. APPLY DUCT TAPE TO ALL JOINTS. ALL WORK TO BE COMPLETED IN A PROFESSIONAL MANNER.

27D. CEMENT SIDING - TO MATCH EXISTING ASBESTOS CEMENT SIDING AND PAINT TO MATCH WITH MAB EXTERIOR OR EQUAL MIN. 2 COATS.

28. PANEL AND SUSPENDED CEILINGS

CEILINGS: REMOVE ALL LOOSE AND FALLING PLASTER FROM WALLS AND CEILINGS. INSTALL 2'X4' SUSPENDED ACOUSTICAL TILE CEILING. SUPPORTING GRID MEMBERS SHALL NOT BE SPACED MORE THAN 4' APART, HUNG SECURELY WITH WIRE HANGERS, LEVELED. HANGERS SHALL BE A MIN. OF 12 GA. ALL WALL CHANNELS SHALL BE SECURELY ANCHORED.

PANEL: REMOVE ALL TRIM AND BASE. ALL MASONRY WALLS TO BE FURRED OUT WITH 1X3" FURRING STRIPS 16" O.C. ALL EXISTING AND NEW RECEPTACLES AND WALL SWITCHES TO BE MOVED TO BE FLUSH MOUNTED TO NEW PANEL WALL. ALL WINDOWS AND DOORS TO BE PACKED OUT TO LEVEL WITH NEW PANEL, AND REINSTALL EXISTING TRIM OR REPLACE WITH 2 ¼" CLAMSHELL TRIM. ALL AREAS WHERE TRIM CANNOT BE REUSED MUST HAVE 4" VINYL COVE BASE INSTALLED. ALL PANELS TO BE 4' X 8' X ¼" THICK WITH REQUIRED FIRE RATING. COLOR OR PATTERN PICKED BY OWNER BUT ONLY WITHIN PRICE RANGE ESTIMATED.

NOTE: ALL CEILING AND PANELS SHALL BE MEDIUM PRICED AND GEORGIA-PACIFIC OR EQUAL QUALITY.

29. HEATING - OIL OR GAS FIRED HOT AIR SPACE HEATING UNIT. REMOVE EXISTING UNIT COMPLETELY, IF ONE EXISTS. INSTALL NEW OIL FIRED HOT AIR HEATING SYSTEM WITH 26 GA. SMOKE PIPE, DRAFTSTOP. PANE JOIST WITH 1" NIPPLES. INSTALL TRUNK LINES WITH DAMPERS. INSTALL CLOSED COLD AIR RETURN FROM FIRST AND SECOND FLOOR. ALL ROOMS TO HAVE EVEN BALANCED HEAT. INSTALL NEW THERMOSTAT. EMERGENCY SWITCH AHEAD OF HEATER AREA. WHERE INSTALLING HEAT TO ROOMS WHERE NOT EXISTING, INSTALL DUCT AND REGISTER AS REQUIRED AND BOX DUCT WORK WHERE PASSING THROUGH LOWER LEVEL WITH ½" DRYWALL AND FINISH WITH MIN. OF 2 COATS. ALL UNITS TO BE SIZED FOR MAXIMUM EFFICIENCY AT 0 DEGREE EXTERIOR TEMPERATURE AND MEET ALL CODES.

30. OIL OR GAS HOT WATER SPACE HEATING SYSTEM - INSTALL UNIT TO EXISTING DISTRIBUTION SYSTEM UNLESS OTHERWISE SPECIFIED. EXISTING DISTRIBUTION TO BE CHECKED AND REPAIRED AS REQUIRED TO BE SOUND AND EFFICIENT. UNITS TO BE INSTALLED FOR MAX. EFFICIENCY AT 0 DEGREE EXTERIOR

TEMPERATURE. ALL ROOMS TO HAVE BALANCED HEAT, SPECIFICATIONS FOR INSTALLATION ARE STATED IN SPEC #29.

31. CELLAR WINDOWS, WOOD OR VINYL - TO BE 2 LITE UNITS, UNITS TO HAVE COMPLETE FRAME AND SILL FASTENED SECURELY TO MASONRY. CAULK ALL GAPS AND OPENINGS TO ELIMINATE INFILTRATION WITH BUTYL RUBBER BASE CAULK. HARDWARE TO BE GALVANIZED TO OPERATE SMOOTHLY AND ELIMINATE AIR INFILTRATION.

32. WOOD PORCHES

A. DECK - AFTER REMOVING ALL OLD DECKING AND PULLING ALL NAILS, INSTALL NEW DECK USING 1X3" YELLOW PINE DECKING. T&G BLIND NAIL INTO FIRM FLOOR JOISTS. THEN SEAL WITH WATER PROOFING AND PAINT WITH FLOOR AND DECK ENAMEL, MAP OR EQUAL. INSTALL NEW 1x6 OR 1x8 SKIRT DEPENDING ON ORIGINAL INSTALLATION UNDER OVERHANG.

B. BRICK OR BLOCK PILASTERS - REMOVE OLD PILASTERS, CONSTRUCT NEW ON NEW CONCRETE FOOTING, 12" BELOW GRADE AND A MIN. OF 2' x'2'x8' THICK.

NOTE: SILLS, JOISTS, AND STRUCTURAL MEMBERS ARE TO BE REPLACED WITH PRESSURE TREATED LUMBER WHERE DAMAGED, UNLESS OTHERWISE SPECIFIED.

33. LATTICE FOUNDATION PARTITION SKIRTING - CONSTRUCT AND INSTALL LATTICE SECTIONS BETWEEN PILASTERS UNDER PORCH. SECTIONS TO BE COVERED WITH 1X3" PT. FRAMING AND CRISSCROSS LATTICE. NO PAINTING. SCREEN TO BE APPLIED TO INTERIOR SIDE OF LATTICE TO PREVENT RODENT ENTRY AND DEBRIS INFILTRATION.

INTERIOR PAINTING & PREPARATION OF ALL EXISTING SURFACES.

The following specifications and instructions apply to the preparation for all painting of all interior surfaces which are specified to be painted or papered, unless specifically noted otherwise.

SURFACE PREPARATION:

a) All oil, grease or loose foreign matter shall be removed

b) Cracks and open joints shall have perforated tape applied on a bed of joint cement; then two finish coats, the last with an 8" knife and sanded smooth.

c) All glossy surfaces shall be thoroughly sanded prior to painting, or wiped down with a liquid sander.

d) All loose, blistered or otherwise defective paint shall be removed and edges sanded smooth.

e) Putty or spackle all nail holes, cracks and other defects after prime coat has dried.

WORKMANSHIP:

a) Painting work shall be uniform, of color approved by homeowner, smooth and free from runs, sags, holidays, defective brushing and rolling.

b) Edges of paint adjoining other materials or colors shall be sharp and clean.

c) The top and bottom edges of exterior doors shall be covered with a minimum of two (2) coats. Top edges of interior door shall be covered with one coat.

d) Papering, if required, shall be hung true and plumb with matching patterns and abutting edges, free of paste smudges or smears.

The awarded contractor(s) will perform safe work practices at all times which includes but is not limited to:

- occupant protection
- worksite preparation
- daily cleanup
- safe work practices
- worker protection

Occupants will be notified of any lead-hazard reduction measures that were taken. Subsequent to the program's final inspection, the Lead Based Paint Inspector will conduct a clearance examination including dust samples to confirm the unit is safe for occupancy and that lead hazard reduction was performed according to the Program's work specifications. Notice will be provided to the homeowner within 72 hours of the lead clearance test.