## ARCHITECTURAL SPECIFICATIONS CONT'D

## **DIVISION #9 - FINISHES**

WATERPROOFING (IF REQUIRED) SHALL BE HYDROMENT ULTRA-SET, LATICRETE 9235, OR MAPEI PRP-315. WATERPROOFING MEMBRANE SHALL BE A ONE PART ELASTOMERIC AND SEAMLESS MEMBRANE OF AT LEAST 30 MILS OR 1/32". PROVIDING A POSITIVE BARRIER TO MOISTURE/WATER MIGRATION OR PENETRATION. WATERPROOFING MEMBRANE SHALL MEET ASTM C836-84, ANSI A136.1-1985, CTI-136.1-1985 AND CTI- 64.2-2.

FED. SPEC. SS-T-312B - TILE, FLOOR: ASPHALT, RUBBER, VINYL, VINYL COMPOSITION. FED. SPEC. SS-W-40A - WALL BASE: RUBBER AND VINYL PLASTIC.

## VINYL COMPOSITION TILE

12 INCH BY 12 INCH BY 1/8 INCH THICK: CONFORMING TO FED. SPEC. SS-T-312(B). TYPE IV. COMPOSITION 1; MARBLEIZED PATTERN. MANUFACTURER AND COLOR SHALL BE AS INDICATED IN THE FINISH SCHEDULE.

BASE: 4 INCH HIGH BY .125 INCH THICK VINYL BASE CONFORMING TO FED. SPEC. SS-W-40A, TYPE I OR II WITH COVE BOTTOM EXCEPT WHERE USED IN CONJUNCTION WITH CARPET OR AS INDICATED. MANUFACTURER AND COLOR SHALL BE AS INDICATED IN THE FINISH SCHEDULE.

EDGE STRIPS SHALL BE VINYL, TAPERED AND 1 INCH IN WIDTH.

PROHIBIT TRAFFIC UNTIL FILLER IS CURED.

SUB-FLOOR FILLER SHALL BE WHITE PREMIX LATEX, MIX WITH WATER TO PRODUCE CEMENTITIOUS PASTE.

PRIMERS AND ADHESIVES SHALL BE WATERPROOF OF TYPES RECOMMENDED BY RESILIENT FLOORING MANUFACTURER FOR SPECIFIC MATERIAL.

SEALER AND WAX SHALL BE TYPE RECOMMENDED BY RESILIENT FLOORING MATERIAL MANUFACTURER FOR MATERIAL TYPE AND LOCATION.

ENSURE FLOOR SURFACES ARE SMOOTH AND FLOAT WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FEET ( 1/960).

MAINTAIN MINIMUM 70°F. (21°C.) AIR TEMPERATURE AT FLOORING INSTALLATION AREA FOR 3 DAYS PRIOR TO, DURING, AND FOR 24 HOURS AFTER INSTALLATION.

STORE FLOORING MATERIALS IN AREA OF APPLICATION. ALLOW 3 DAYS FOR MATERIAL TO REACH EQUAL TEMPERATURE AS AREA.

REMOVE SUB-FLOOR RIDGES AND BUMPS. FILL LOW SPOTS, CRACKS, JOINTS, HOLES, AND OTHER DEFECTS WITH SUB-FLOOR FILLER.

CLEAN FLOOR AND APPLY TROWEL AND FLOAT FILLER TO LEAVE SMOOTH, FLAT, HARD SURFACE.

OPEN FLOOR TILE CARTONS, ENOUGH TO COVER EACH AREA, AND MIX TILE TO ENSURE SHADE VARIATIONS DO NOT OCCUR WITHIN ANY ONE AREA.

CLEAN SUBSTRATE. SPREAD CEMENT EVENLY IN QUANTITY RECOMMENDED BY MANUFACTURER TO ENSURE ADHESION OVER ENTIRE AREA OF INSTALLATION. SPREAD ONLY ENOUGH ADHESIVE

TO PERMIT INSTALLATION OF FLOORING BEFORE INITIAL SET.

SET FLOORING IN PLACE, PRESS WITH HEAVY ROLLER TO ENSURE FULL ADHESION.

PLACE TILE TO THAT FIELDS OR PATTERNS CENTER ON AREA. NO TILE SHALL BE LESS THAN ONE HALF IN SIZE ALL TILE SHALL BE LAID WITH VEINING RUNNING IN SAME DIRECTION. LAY TRUE, LEVEL, AND EVEN WITH TIGHT ALIGNED JOINTS.

TERMINATE RESILIENT FLOORING AT CENTERLINE OF DOOR OPENING(S) WHERE ADJACENT FLOOR FINISH IS DISSIMILAR.

INSTALL EDGE STRIPS AT UNPROTECTED OR EXPOSED EDGES WHERE FLOORING TERMINATES.

FIT JOINTS TIGHT AND VERTICAL. MAINTAIN MINIMUM MEASUREMENT OF 18 INCHES BETWEEN

SCRIBE FLOORING TO WALLS, COLUMNS, CABINETS, FLOOR OUTLETS, AND OTHER APPURTENANCES TO PRODUCE TIGHT JOINTS.

MITER INTERNAL CORNERS. USE PREMOLDED SECTIONS FOR EXTERNAL CORNERS AND EXPOSED ENDS.

INSTALL BASE ON SOLID BACKING. ADHERE TIGHTLY TO WALL AND FLOOR SURFACES.

SCRIBE AND FIT TO DOOR FRAMES AND OTHER OBSTRUCTIONS.

# PROHIBIT TRAFFIC FROM FLOOR FINISH FOR 24 HOURS AFTER INSTALLATION.

REMOVE EXCESS ADHESIVE FROM FLOOR, BASE, AND WALL SURFACES WITHOUT DAMAGING.

CLEAN, SEAL, AND WAX FLOOR AND BASE SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

# PAINT AND FINISH THE EXTERIOR AND INTERIOR EXPOSED SURFACES LISTED ON THE PAINTING SCHEDULE IN PART 3 OF THIS SECTION, AS SPECIFIED HEREIN, AND AS NEEDED FOR A

COMPLETE AND PROPER INSTALLATION. "PAINT," AS USED HEREIN, MEANS COATING SYSTEMS MATERIALS INCLUDING PRIMERS, EMULSIONS, EPOXY, ENAMELS, SEALERS, FILLER, AND OTHER APPLIED MATERIALS WHETHER

USED AS PRIME, INTERMEDIATE, OR FINISH COATS. USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND

EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK OF THIS SECTION.

PROVIDE FINISH COATS WHICH ARE COMPATIBLE WITH THE PRIME COATS ACTUALLY USED. REVIEW OTHER SECTIONS OF THESE SPECIFICATIONS AS REQUIRED, VERIFYING THE PRIME COATS TO BE USED AND ASSURING COMPATIBILITY OF THE TOTAL COATING SYSTEM FOR THE VARIOUS SUBSTRATA. UPON REQUEST, FURNISH INFORMATION ON THE CHARACTERISTICS OF THE SPECIFIC FINISH MATERIALS TO ASSURE THAT COMPATIBLE PRIME COATS ARE USED. PROVIDE BARRIER COATS OVER NON-COMPATIBLE PRIMERS, OR REMOVE THE PRIMER AND REPRIME AS REQUIRED. NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANTICIPATED PROBLEMS IN USING THE SPECIFIED COATING SYSTEMS OVER PRIME-COATINGS SUPPLIED UNDER OTHER SECTIONS.

ALL PAINTS AND COATINGS SHALL BE PREMIXED AND DELIVERED TO THE JOB SITE IN MANUFACTURER'S SEALED CONTAINERS.

EACH CONTAINER SHALL BE LABELED BY THE MANUFACTURER SHOWING PAINT BRAND, COLOR DESIGNATION AND MANUFACTURER'S NAME. ALL EMPTY CONTAINERS SHALL BE REMOVED FROM THE SITE AT THE COMPLETION OF EACH DAY'S WORK.

PAINT MATERIAL SHALL BE STORED AND MIXED IN A CENTRAL LOCATION APPROVED BY THE OWNER AND ARCHITECT.

DO NOT APPLY SOLVENT-THINNED PAINTS WHEN THE TEMPERATURE OF SURFACES TO BE PAINTED AND THE SURROUNDING AIR TEMPERATURES ARE BELOW 45 DEGREES F. UNLESS OTHERWISE PERMITTED BY THE MANUFACTURERS' PRINTED INSTRUCTIONS AS APPROVED BY THE ARCHITECT/ENGINEER.

DO NOT APPLY PAINT IN SNOW, RAIN, FOG, OR MIST; OR WHEN THE RELATIVE HUMIDITY EXCEEDS 85%; OR TO DAMP OR WET SURFACES, UNLESS OTHERWISE PERMITTED BY THE MANUFACTURERS' PRINTED INSTRUCTIONS AS APPROVED BY THE ARCHITECT. APPLICATIONS MAY BE CONTINUED DURING INCLEMENT WEATHER ONLY WITHIN THE TEMPERATURE LIMITS SPECIFIED BY THE PAINT MANUFACTURER AS BEING SUITABLE FOR USE DURING APPLICATION AND DRYING PERIODS.

UPON COMPLETION OF THE WORK OF THIS SECTION, DELIVER TO THE OWNER AN EXTRA STOCK EQUALING 10% OF EACH COLOR, TYPE, AND GLOSS OF PAINT USED IN THE WORK, TIGHTLY SEALING EACH CONTAINER, AND CLEARLY LABELING WITH CONTENTS AND LOCATION WHERE

UNDERCOATS AND THINNERS: PROVIDE UNDERCOAT PAINT PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COAT. USE ONLY THE THINNERS RECOMMENDED BY THE PAINT MANUFACTURER, AND USE ONLY TO THE RECOMMENDED LIMITS. INSOFAR AS PRACTICABLE, USE UNDERCOAT, FINISH COAT, AND THINNER MATERIAL AS PARTS OF A UNIFIED SYSTEM OF PAINT

ACCEPTABLE MANUFACTURER: BENJAMIN MOORE, METAL CLEAR COAT SHERWIN WILLIAMS - NO SUBSTITUTIONS

GYPSUM WALL BOARD: EGGSHELL FINISH LATEX ALL WALLS, NEW 1ST COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216)

2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH 3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH

GYPSUM WALL BOARD: EGGSHELL FINISH LATEX ALL WALLS, REPAINT

1ST COAT - REMOVE ANY PEELING OR SCALING PAINT AND SAND THESE AREAS TO FEATHER EDGES SMOOTH WITH ADJACENT SURFACES. FILL ALL NAIL HOLES, CRACKS & OTHER SURFACE IMPERFECTIONS. REMOVE SURFACE CONTAMINANTS FROM WALLS WITH A STRONG DETERGENT SOLUTION. PRIME WITH BENJAMIN MOORE REGAL PREMIUM I NTERIOR LATEX PRIMER (N216) 2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH

A. PAINT PRIME COATED HARDWARE TO MATCH ADJACENT SURFACES.

3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC EGGSHELL FINISH

GYPSUM WALL BOARD: FLAT FINISH LATEX SALES AREA DRYWALL CEILINGS, NEW 1ST COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216) 2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH

3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH

GYPSUM WALL BOARD: FLAT FINISH LATEX SALES AREA DRYWALL CEILINGS, REPAINT 1ST COAT - REMOVE ANY PEELING OR SCALING PAINT AND SAND THESE AREAS TO FEATHER EDGES SMOOTH WITH ADJACENT SURFACES. FILL ALL NAIL HOLES, CRACKS & OTHER SURFACE IMPERFECTIONS. REMOVE SURFACE CONTAMINANTS FROM WALLS WITH A STRONG DETERGENT SOLUTION. PRIME WITH BENJAMIN MOORE REGAL PREMIUM INTERIOR LATEX PRIMER (N216) 2ND COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH 3RD COAT - BENJAMIN MOORE REGAL PREMIUM INTERIOR 100% ACRYLIC FLAT FINISH

WOOD DOORS, JAMBS, CASINGS, TOUCH-UP ON OWNERS FIXTURES & MISC. TRIM: HIGH GLOSS 1ST COAT - BENJAMIN MOORE IRONCLAD ALKYD LOW LUSTRE METAL AND WOOD ENAMEL (C163)

2ND COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL 3RD COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL

METAL DOORS AND FRAMES: HIGH-GLOSS

1ST COAT - PRIMER IS NOT REQUIRED ON FACTORY PRIMED DOORS AND FRAMES. BENJAMIN MOORE IRONCLAD ALKYD LOW LUSTRE METAL AND WOOD ENAMEL (C163) 2ND COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL 3RD COAT - BENJAMIN MOORE IMPERVO ALKYD HIGH GLOSS METAL AND WOOD ENAMEL

EXPOSED STRUCTURAL STEEL, ROOF BAR JOISTS AND METAL DECK: LOW LUSTRE - SELF

1ST COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL (363)

2ND COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL

ALUMINUM/GALVANIZED METAL: SATIN FINISH

1ST COAT - PRIMER IS NOT REQUIRED ON FACTORY PRIMED SURFACES OR REPAINT. 2ND COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL 3RD COAT - BENJAMIN MOORE IRONCLAD LATEX LOW LUSTRE METAL AND WOOD ENAMEL

METAL, WOOD, GALVANIZED METAL: ACRYLIC SEMI-GLOSS 1ST COAT - BENJAMIN MOORE - M29 D.T.M. ACRYLIC SEMI-GLOSS

2ND COAT - BENJAMIN MOORE - M29 D.T.M. ACRYLIC SEMI-GLOSS

METAL CLEAR COAT, (METAL AWNING DECK, RODS & TURNBUCKLES) 1ST COAT - SHERWIN WILLIAMS OPEX CLEAR LACQUERS CC-C5 (T82C13)

## SURFACE PREPARATION:

1. PERFORM PREPARATION AND CLEANING PROCEDURES IN STRICT ACCORDANCE WITH THE PAINT MANUFACTURERS' RECOMMENDATIONS AS APPROVED BY THE ARCHITECT/ENGINEER. 2. REMOVE REMOVABLE ITEMS WHICH ARE IN PLACE AND ARE NOT SCHEDULED TO RECEIVE

PAINT FINISH; OR PROVIDE SURFACE-APPLIED PROTECTION PRIOR TO SURFACE PREPARATION AND PAINTING OPERATIONS.

FOLLOWING COMPLETION OF PAINTING IN EACH SPACE OR AREA, REINSTALL THE REMOVED ITEMS BY USING WORKMEN WHO ARE SKILLED IN THE NECESSARY TRADES. 4. CLEAN EACH SURFACE TO BE PAINTED PRIOR TO APPLYING PAINT OR SURFACE TREATMENT

5. REMOVE OIL AND GREASE WITH CLEAN CLOTHS AND CLEANING SOLVENT OF LOW TOXICITY AND FLASH POINT IN EXCESS OF 200 DEGREES F, PRIOR TO START OF MECHANICAL

6. SCHEDULE THE CLEANING AND PAINTING SO THAT DUST AND OTHER CONTAMINANTS FROM THE CLEANING PROCESS WILL NOT FALL ONTO WET NEWLY PAINTED SURFACES. 7. PLASTER AND VENEER PLASTER MUST BE ALLOWED TO DRY THOROUGHLY FOR AT LEAST 30

PREPARATION OF WOOD SURFACES: 1. CLEAN WOOD SURFACES UNTIL FREE FROM DIRT, OIL, AND OTHER FOREIGN SUBSTANCE. 2. SMOOTH FINISHED WOOD SURFACES EXPOSED TO VIEW, USING THE PROPER SANDPAPER. WHERE SO REQUIRED, USE VARYING DEGREES OF COARSENESS IN SANDPAPER TO PRODUCE

A UNIFORMLY SMOOTH AND UNMARRED WOOD SURFACE. 3. UNLESS SPECIFICALLY APPROVED BY THE ARCHITECT/ENGINEER, DO NOT PROCEED WITH PAINTING OF WOOD SURFACES UNTIL THE MOISTURE CONTENT OF THE WOOD IS 12% OR LESS AS MEASURED BY A MOISTURE METER APPROVED BY THE ARCHITECT/ENGINEER.

4. WOOD DOORS: A. CAREFULLY SEAL ALL EDGES IMMEDIATELY AFTER FITTING INCLUDING AREAS ROUTED

FOR CONCEALED CLOSERS AND OTHER HARDWARE. B. BEFORE FINISHING, THE FINISHER MUST DO A THOROUGH FINAL SANDING OVER ALL SURFACES USING 120 OR 150 GRIT SANDPAPER, DEPENDING ON THE SPECIES, AND IN CONJUNCTION WITH A HAND BLOCK OR BELT SANDER IN ORDER TO REMOVE ALL SCUFFS, HANDLING MARKS, SCRATCHES, RAISED GRAIN, BURNISHES AND EFFECTS OR EXPOSURE

TO MOISTURE THAT MAY OCCUR DURING HANDLING, UNLOADING AND STORAGE. C. IMMEDIATELY AFTER FITTING AND BEFORE HANGING, THE ENTIRE DOOR INCLUDING TOP AND BOTTOM EDGES MUST RECEIVE TWO COATS OF A GOOD QUALITY PAINT, VARNISH OR LACQUER. EXTERIOR FINISHES SHOULD BE USED ON THE EXTERIOR FACES AND ALL EDGES OF EXTERIOR DOORS.

D. SOME WOODS, PARTICULARLY OAK, CONTAIN CHEMICALS WHICH REACT WITH IRON OR SOME FINISHING MATERIALS. DO NOT USE STEEL WOOL ON OAK DOORS.

# PREPARATION OF METAL SURFACES:

1. THOROUGHLY CLEAN SURFACES UNTIL FREE FROM DIRT, OIL, AND GREASE. 2. ON GALVANIZED SURFACES, USE SOLVENT FOR THE INITIAL CLEANING, AND THEN TREAT THE SURFACE THOROUGHLY WITH PHOSPHORIC ACID ETCH. REMOVE ETCHING SOLUTION

COMPLETELY BEFORE PROCEEDING.

3. ALLOW TO DRY THOROUGHLY BEFORE APPLICATION OF PAINT.

AREAS PRIOR TO START OF FINISH COATS APPLICATION. 2. SLIGHTLY VARY THE COLOR OF SUCCEEDING COATS. A. DO NOT APPLY ADDITIONAL COATS UNTIL THE COMPLETED COAT HAS BEEN INSPECTED

1. TOUCH-UP SHOP-APPLIED PRIME COATS WHICH HAVE BEEN DAMAGED, AND TOUCH-UP BARE

B. ONLY THE INSPECTED AND APPROVED COATS OF PAINT WILL BE CONSIDERED IN DETERMINING THE NUMBER OF COATS APPLIED.

3. SAND AND DUST BETWEEN COATS TO REMOVE DEFECTS VISIBLE TO THE UNAIDED EYE FROM A DISTANCE OF FIVE FEET. 4. ON REMOVABLE PANELS AND HINGED PANELS, PAINT THE BACK SIDES TO MATCH THE

EXPOSED SIDES.

1. ALLOW SUFFICIENT DRYING TIME BETWEEN COATS, MODIFYING THE PERIOD AS

WHEN THE PAINT FEELS FIRM, DOES NOT DEFORM OR FEEL STICKY UNDER MODERATE

RECOMMENDED BY THE MATERIAL MANUFACTURER TO SUIT ADVERSE WEATHER 2. CONSIDER OIL-BASE AND OLEO-RESINOUS SOLVENT-TYPE PAINT AS DRY FOR RECOATING

## PRESSURE OF THE THUMB, AND WHEN THE APPLICATION OF ANOTHER COAT OF PAINT DOES NOT CAUSE LIFTING OR LOSS OF ADHESION OF THE UNDERCOAT.

BRUSH APPLICATIONS: 1. BRUSH OUT AND WORK THE BRUSH COATS ONTO THE SURFACE IN AN EVEN FILM. 2. CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS, AND

OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE. 1. EXCEPT AS SPECIFICALLY OTHERWISE APPROVED BY THE ARCHITECT/ENGINEER, CONFINE

# SPRAY APPLICATION TO AC GRILLES. SPEAKERS. LIGHT TRIM RINGS. METAL FRAMEWORK AND

SIMILAR SURFACES WHERE HAND BRUSH WORK WOULD BE INFERIOR. 2. WHERE SPRAY APPLICATION IS USED, APPLY EACH COAT TO PROVIDE THE HIDING EQUIVALENT OF BRUSH COATS.

3. DO NOT DOUBLE BACK WITH SPRAY EQUIPMENT TO BUILD UP FILM THICKNESS OF TWO COATS

FOR COMPLETED WORK, MATCH THE APPROVED SAMPLES AS TO TEXTURE, COLOR AND COVERAGE. REMOVE, REFINISH, OR REPAINT WORK NOT IN COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

## MISCELLANEOUS SURFACES AND PROCEDURES: 1. EXPOSED MECHANICAL ITEMS:

A. FINISH ELECTRIC PANELS, ACCESS DOORS, CONDUITS, PIPES, DUCTS, GRILLES. REGISTERS, VENTS, AND ITEMS OF SIMILAR NATURE TO MATCH THE ADJACENT WALL AND CEILING SURFACES, OR AS DIRECTED.

B. PAINT VISIBLE DUCT SURFACES BEHIND VENTS, REGISTERS, AND GRILLES FLAT BLACK. C. WASH METAL WITH SOLVENT, PRIME, AND APPLY TWO COATS OF ALKYD ENAMEL.

# 2. EXPOSED PIPE AND DUCT INSULATION:

3. HARDWARE:

A. APPLY ONE COAT OF LATEX PAINT ON INSULATION WHICH HAS BEEN SIZED OR PRIMED UNDER OTHER SECTIONS; APPLY TWO COATS ON SUCH SURFACES WHEN UNPREPARED.

B. MATCH COLOR OF ADJACENT SURFACES. C. REMOVE BAND BEFORE PAINTING, AND REPLACE AFTER PAINTING.

B. PAINT METAL PORTIONS OF HEAD SEALS, JAMB SEALS, AND ASTRAGAL SEALS TO MATCH THE COLOR OF THE DOOR FRAME UNLESS OTHERWISE DIRECTED BY THE ARCHITECT.

A. IN TOILET ROOMS AND CONTIGUOUS AREAS, ADD AN APPROVED FUNGICIDE TO PAINTS.

B. FOR OIL BASE PAINTS, USE 1% PHENOLMERCURIC OR 4% TETRACHLOROPHENOL C. FOR WATER EMULSION AND GLUE SIZE SURFACES, USE 4% SODIUM TETRACHLOROPHENATE.

5. INTERIOR: USE "STIPPLE" FINISH WHERE ENAMEL IS SPECIFIED.

6. EXPOSED VENTS: APPLY TWO COATS OF HEAT-RESISTANT PAINT APPROVED BY THE ARCHITECT.

## **GYPSUM WALLBOARD SYSTEM**

RUNNERS: MATCH STUDS.

PERMISSIBLE LENGTH(S)

PERFORM GYPSUM WALLBOARD SYSTEMS WORK IN ACCORDANCE WITH RECOMMENDATIONS OF ASTM C754 AND GA216 UNLESS OTHERWISE SPECIFIED IN THIS SECTION.

GA 216 - RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM

ASTM C 754 - INSTALLATION OF STEEL FRAMING MEMBERS TO RECEIVE SCREW-ATTACHED

PROVIDE METAL FRAMING MATERIALS IN ACCORDANCE WITH GA 216.

GYPSUM WALLBOARD. BACKING BOARD. OR WATER-RESISTANT BACKING BOARD.

## STUDS: SCREW-TYPE CEE-SHAPED MINIMUM 20 GAUGE.

FURRING MEMBERS: SCREW-TYPE HAT-SHAPED 20 GAUGE.

PROVIDE CHANNELS AND HANGER WIRE IN ACCORDANCE WITH GA 216.

FASTENERS AND ANCHORAGES IN ACCORDANCE WITH GA 216.

PROVIDE GYPSUM WALLBOARD MATERIALS IN ACCORDANCE WITH RECOMMENDATIONS OF GA

STANDARD GYPSUM BOARDS SHALL BE 5/8 INCH THICK USING MAXIMUM PERMISSIBLE LENGTH(S) ENDS SQUARE CUT, TAPERED EDGES.

FIRE-RATED GYPSUM BOARDS SHALL BE UL RATED, 5/8 INCH THICK USING MAXIMUM

MOISTURE RESISTANT GYPSUM BOARD SHALL BE 5/8 INCH THICK USING MAXIMUM PERMISSIBLE LENGTH(S) ENDS SQUARE CUT TAPERED EDGES. TO BE USED IN ALL WET AREAS INCLUDING BUT

AGGREGATE PORTLAND CEMENT BOARD, 1/2 INCH THICK, WITH POLYMER-COATED, WOVEN-GLASS MESH IN BACK AND FRONT SURFACES.

PROVIDE GYPSUM WALLBOARD ACCESSORIES IN ACCORDANCE WITH GA 216.

CORNER BEADS SHALL BE METAL.

REQUIRED.

NOT LIMITED TO: RESTROOMS AND MOP SINK LOCATIONS

PROVIDE REINFORCING TAPE, JOINT COMPOUND, ADHESIVE, WATER FASTENERS IN ACCORDANCE WITH GA 216.

INSTALL MEMBERS TRUE TO LINES AND LEVELS TO PROVIDE SURFACE FLATNESS WITH MAXIMUM VARIATION OF 1/8 INCH IN 10 FEET (1/960) IN ANY DIRECTION

METAL STUDS SHALL BE 16 INCHES ON CENTER UNLESS OTHERWISE INDICATED

PARTITION HEIGHTS SHALL BE FULL HEIGHT FROM FLOOR TO ROOF CONSTRUCTION ABOVE AS/OR INDICATED ON THE DRAWINGS.

INSTALL DOUBLE STUDS AT DOOR FRAME JAMBS. INSTALL RUNNERS ON EACH SIDE OF OPENING AT FRAME HEAD HEIGHT BETWEEN JAMB STUDS AND ADJACENT STUDS. INSTALL BLOCKING BEHIND DRYWALL FOR SUPPORT OF PLUMBING FIXTURES, TOILET

PARTITIONS, WALL CABINETS, TOILET ACCESSORIES, HARDWARE AND ELSEWHERE AS

COORDINATE INSTALLATION OF BUCKS, ANCHORS, BLOCKING, ELECTRICAL, AND MECHANICAL WORK WHICH IS TO BE PLACED IN OR BEHIND PARTITION FRAMING. ALLOW SUCH ITEMS TO BE INSTALLED AFTER FRAMING IS COMPLETE.

ERECT WALL FURRING DIRECTLY ATTACHED TO CONCRETE BLOCK AND CONCRETE WALLS. SPACE FURRING CHANNELS MAXIMUM 16 INCHES ON CENTER, NOT MORE THAN 4 INCHES FROM

ERECT SINGLE LAYER STANDARD GYPSUM BOARD IN DIRECTION MOST PRACTICAL AND ECONOMICAL, WITH ENDS AND EDGES OCCURRING OVER FIRM BEARING.

ERECT SINGLE LAYER FIRE-RATED GYPSUM BOARD VERTICALLY, WITH EDGES AND ENDS OCCURRING OVER FIRM

USE SCREWS WHEN FASTENING GYPSUM BOARD TO METAL FURRING OR FRAMING.

PLACE CORNER BEADS AT EXTERNAL CORNERS. USE LONGEST PRACTICAL LENGTHS. PLACE EDGE TRIM WHERE GYPSUM BOARD ABUTS DISSIMILAR MATERIALS. TAPE, FILL, AND SAND EXPOSED JOINTS, EDGES, CORNERS, OPENINGS, AND FIXTURES, TO

PRODUCE SURFACE READY TO RECEIVE SURFACE FINISHES. FEATHER COATS ONTO ADJOINING

SURFACES SO THAT CAMBER IS MAXIMUM 1/32 INCH. FINISHING OF TAPING IS NOT REQUIRED

## ABOVE CEILING LINE. REMOVE AND RE-DO DEFECTIVE WORK.

FLOOR AND CEILING BEARING.

WOOD FLOOR SYSTEM

REFER TO FINISH SCHEDULE FOR MORE INFORMATION ON MATERIALS AND MANUFACTURERS. ATTENTION - INSTALLER RESPONSIBILITY

ACCEPTABLE FOR WOOD FLOOR INSTALLATION.

INSPECT ALL MATERIALS CAREFULLY BEFORE INSTALLATION. WOOD IS A NATURAL PRODUCT CONTAINING NATURAL CHARACTERISTICS SUCH AS NATURAL VARIATIONS IN COLOR, TONE, AND GRAINING. SOME VARIATION IN COLOR IS TO BE EXPECTED IN A NATURAL WOOD FLOOR. SEE FINISH SCHEDULE FOR VARIATION OF COLOR ALLOWED FOR EACH WOOD FLOORING SPECIFIED.

BASIC TOOLS AND ACCESSORIES: BROOM OR VACUUM, CHALK LINE, TAPPING BLOCK, PROFESSIONAL CHOICE CLEANER, HAND OR ELECTRIC JAM SAW, MITER SAW, MOISTURE METER, SAFETY GLASSES, STRAIGHT EDGE, TABLE SAW, TAPE MEASURE, 3M BLUE TAPE, SQUARE, UTILITY KNIFE, PRY BAR. USE URETHANE WOOD FLOORING ADHESIVE, TOWELS AND TROWEL IF GLUING OR - A BOSTITCH 50C POWER NAILER FOR NAILING WITH A 1-1/2"

POWER CLEAT. (NOTE: YOU MUST USE A 3/8" OR 1/2" ADAPTER AS APPROPRIATE). CAUTION: IMPROPER USE OF A POWER NAILER CAN MARK THE SURFACE OF THE FLOORING.

IT IS THE RESPONSIBILITY OF THE INSTALLERS TO DETERMINE IF THE JOBSITE SUB-FLOOR AND JOBSITE CONDITIONS ARE ENVIRONMENTALLY AND STRUCTURALLY

SUB-FLOOR PREPARATION AND RECOMMENDATIONS FOR ALL INSTALLATIONS.

# WOOD SUB-FLOORS

WOOD SUB-FLOORS NEED TO BE NAILED OR SECURED WITH SCREWS. NAILS SHOULD BE RING SHANKS AND SCREWS NEED TO BE COUNTER SUNK. THE WOOD SUB-FLOOR NEEDS TO BE STRUCTURALLY SOUND AND DRY. THEY SHOULD NOT EXCEED 14% MOISTURE PRIOR TO INSTALLATION. IF THE SUB-FLOOR IS SINGLE LAYER, LESS THAN 3/4" THICK, ADD A SINGLE CROSS LAYER FOR STRENGTH AND STABILITY (MINIMUM 5/16" THICK FOR A TOTAL 3/4" THICKNESS). THIS IS TO REDUCE THE POSSIBILITY OF SQUEAKING. WOOD SUB-FLOORS MUST BE FREE OF PAINT, OIL, EXISTING ADHESIVES, WAX, GREASE, DIRT, URETHANE, /ARNISH, ETC. UNDERLAYMENT GRADE OSB (NOT THE WAX SIDE) IS ALSO SUITABLE FOR SUB-FLOORS, PARTICLE BOARD IS NOT AN ACCEPTABLE SUB-FLOOR. INSTALL AT RIGHT ANGLES TO THE EXISTING FLOOR.

# SUB-FLOOR MOISTURE CHECK

METER.

FLOORING ADHESIVE MAY BE USED FOR ABOVE, ON, AND BELOW GRADE APPLICATIONS AND ON ALL COMMON SUBSTRATES. ON AND BELOW GRADE APPLICATIONS ARE SUSCEPTIBLE TO MOISTURE AND SHOULD BE TESTED FOR MOISTURE PRIOR TO INSTALLATION IN SEVERAL LOCATIONS WITHIN THE INSTALLATION AREA. ACCEPTABLE CONDITIONS FOR ABOVE AND BELOW GRADE APPLICATIONS ARE: LESS THAN 3 LBS/1,000 SF/24 HRS. ON A CALCIUM CHLORIDE TEST. LESS THAN A READING OF 5.0 ON A TRAMEX CONCRETE MOISTURE ENCOUNTER

THAN 14% WHEN USING A TRAMEX OR DELMHORST OR EQUIVALENT MOISTURE

(MOISTURE METER) WOOD SUBSTRATES MUST HAVE A MOISTURE READING OF LESS

TO CORRECT ANY SUB-FLOOR PROBLEMS CONCERNING MOISTURE. EITHER WAIT UNTIL THE SUB-FLOOR DRIES TO MEET SPECIFICATIONS OR USE AN APPROPRIATE MOISTURE

SUBFLOORS OTHER THAN WOOD OR CONCRETE NOTE: PERIMETER GLUED RESILIENT VINYL AND RUBBER TILES ARE UNACCEPTABLE UNDERLAYMENTS AND MUST BE REMOVED.

WARNING: DO NOT SAND EXISTING RESILIENT TILE, SHEET FLOORING, BACKING, OR FELT LININGS. THESE PRODUCTS MAY CONTAIN ASBESTOS FIBERS THAT ARE NOT READILY IDENTIFIABLE. INHALATION OF ASBESTOS DUST CAN CAUSE ASBESTOSIS OR OTHER SERIOUS BODILY HARM. CHECK WITH LOCAL, STATE AND FEDERAL LAWS FOR HANDLING

CAUTION: THE SLAB SURFACE MUST NEVER EXCEED 85°F IN TEMPERATURE.

HAZARDOUS MATERIAL BEFORE ATTEMPTING THE REMOVAL OF THESE FLOORS.

REMOVE ALL MOLDINGS AND WALL BASE AND UNDERCUT ALL DOOR CASINGS WITH A HAND OR JAM SAW USING A SCRAP PIECE OF FLOORING AS A GUIDE.

NOTE: WHEN INSTALLING A PRE-FINISHED WOOD FLOOR BE SURE TO BLEND THE WOOD FROM SEVERAL CARTONS TO ENSURE A GOOD GRAIN AND SHADING MIXTURE THROUGHOUT THE INSTALLATION.

GLUE DOWN AND NAIL INSTALLATION GUIDELINES

CAUTION: FOLLOW ALL GUIDELINES FOUND ON THE ADHESIVE CONTAINER. BY NOT ADHERING TO THE GUIDELINES YOU CAN VOID YOUR FLOORING WARRANTIES.

STEP 1 - (WET LAY AND NAILING METHOD) SELECT A STARTER WALL. IT IS RECOMMENDED TO START THE INSTALLATION ALONG AN EXTERIOR WALL; IT'S MORE LIKELY TO BE STRAIGHT AND SQUARE WITH THE ROOM. MEASURE OUT FROM THE WALL THE WIDTH OF TWO PLANKS AND MARK EACH END OF THE ROOM AND SNAP YOUR CHALK LINE.

SPREAD PROFESSIONAL CHOICE FLOORING ADHESIVE FROM THE CHALK LINE TO THE STARTER WALL USING THE RECOMMENDED TROWEL (3/16" X 1/4" X 1/2" V NOTCH). IT IS IMPORTANT TO USE THE CORRECT TROWEL AT A 45 DEGREE ANGLE TO GET THE PROPER SPREAD OF ADHESIVE APPLIED TO THE SUB-FLOOR, WHICH WILL PRODUCE A PROPER AND PERMANENT BOND. IMPROPER BONDING CAN CAUSE LOOSE OR HOLLOW SPOTS.

NOTE: CHANGE THE TROWEL EVERY 2000 TO 3000 SQUARE FEET DUE TO WEAR DOWN OF THE NOTCHES. THIS ASSURES YOU ALWAYS GET THE PROPER SPREAD OF ADHESIVE.

BUTT-ENDS.

INSTALL THE FIRST ROW OF STARTER PLANKS WITH THE TONGUE FACING THE STARTER WALL AND SECURE INTO POSITION. ALIGNMENT IS CRITICAL AND CAN BE ACHIEVED BY SECURING A STRAIGHT EDGE ALONG THE CHALK LINE (2X4'S WORK WELL), OR BY TOP NAILING THE FIRST ROW WITH FINISHING NAILS (WOOD SUB-FLOOR), THIS PREVENTS

NOTE: THE PLANKS ALONG THE WALL MAY HAVE TO BE CUT TO FIT SINCE MOST WALLS ARE NOT STRAIGHT, AND LEAVING AN EXPANSION SPACE.

SLIPPAGE OF THE PLANKS THAT CAN CAUSE MISALIGNMENT.

YOU MUST NAIL 1"-2" FROM THE ENDS AND EVERY 4"-6" ALONG THE EDGES. THIS WILL HELP INSURE A SATISFACTORY INSTALLATION. IT IS BEST TO SET THE COMPRESSOR PSI AT 80-85 LBS. TO KEEP THE STAPLES FROM GOING THROUGH OR BREAKING THE TONGUES. IMPROPER STAPLING TECHNIQUES CAN CAUSE SQUEAKS IN THE FLOOR.

INTO THE NAIL BED. YOU WANT IT FLUSH IN THE NAIL POCKET. USE A SCRAP PIECE OF FLOORING MATERIAL TO SET TOOLS PROPERLY BEFORE INSTALLATION.

ONCE THE STARTER ROWS ARE SECURE SPREAD 2-1/2 TO 3 FEET OF ADHESIVE THE

LENGTH OF THE ROOM. (NEVER LAY MORE ADHESIVE THAN CAN BE COVERED IN

ADJUSTMENTS MAY BE NECESSARY TO PROVIDE ADEQUATE PENETRATION OF THE NAIL

APPROXIMATELY 2 HRS). PLACE PLANK AND PRESS FIRMLY INTO ADHESIVE. NEVER SLIDE PLANKS OR STRIPS THROUGH ADHESIVE. USE A TAPPING BLOCK TO FIT PLANKS SNUG TOGETHER AT SIDE AND

TEST FOR PROPER BOND BY OCCASIONALLY LIFTING A BOARD AND LOOKING FOR GOOD

COVERAGE (90%), THEN REPLACE IT INTO THE ADHESIVE. CLEAN ANY ADHESIVE OFF THE SURFACE BEFORE IT CURES USING CLEAN TERRY CLOTH

USE 3M BLUE MASK TAPE TO HOLD PLANKS SECURELY IN PLACE AS YOU ARE INSTALLING AND CONTINUE THE PROCESS THROUGHOUT THE INSTALLATION. USE CAUTION WHEN USING A RUBBER MALLET TO BUTT MATERIAL TOGETHER. IT CAN BURN THE FINISH AND CAUSE MARRING. NOTE: NEVER WORK ON TOP OF THE FLOORING WHEN INSTALLING WITH THE WET

TOWELS AND URETHANE REMOVER.

CLEAN UP USE CLEAN WHITE TERRY CLOTH TOWELS TO CLEAN AS YOU GO, ALONG WITH FLOORING CLEANER. ADHESIVE THAT HAS CURED ON THE SURFACE OF THE FLOORING CAN BE DIFFICULT TO REMOVE AND WILL REQUIRE THE USE OF URETHANE REMOVER. ONCE THE FLOOR IS COMPLETED CLEAN THE FLOORING WITH FLOORING CLEANER.

LIGHT FOOT TRAFFIC IS ALLOWED AFTER 12 HOURS BUT WAIT 24 HOURS AFTER INSTALLATION TO REMOVE THE 3M BLUE MASKING TAPE. ONCE THE TAPE IS REMOVED CLEAN ANY ADHESIVE RESIDUE LEFT FROM THE TAPE WITH PROFESSIONAL'S CHOICE

CLEAT. YOU MUST USE THE 3/8" OR 1/2" ADAPTER AS APPROPRIATE.

RECOMMENDED NAILERS: BOSTITCH POWER NAILER 50C NAILER USING A 1-1/2" POWER

SEE FLOOR PLAN FOR SPECIAL LAYOUT INSTRUCTION AND DIRECTION OF WOOD FLOOR BEGINNING INSTALLATION PLACE THE PLANKS ALONG YOUR CHALK LINE. USE BRADS OR SMALL FINISHING NAILS TO SECURE THE FIRST STARTER ROW ALONG THE WALL EDGE 1"-2" FROM THE ENDS AND

EVERY 4"-6" ALONG THE SIDE. COUNTER SINK THE NAILS AND FILL WITH THE MATCHING

WOOD COLOR PUTTY THAT BLENDS WITH THE FLOORING INSTALLED. PLACE THE NAILS IN

A DARK GRAIN SPOT IN THE BOARD. THE BASE OR SHOE MOLDING WILL COVER THE NAILS

WHEN INSTALLED AFTER COMPLETION OF THE INSTALLATION. BLIND NAIL AT A 45° ANGLE THROUGH EDGE FACE. IT WILL BE EASIER IF YOU PRE-DRILL THE HOLES. NAIL 1"-2" FROM THE ENDS AND EVERY 4"-6" ALONG THE SIDES. IT WILL BE

NECESSARY TO BLIND NAIL THE NEXT 2 ROWS. A STANLEY BRAND BT35 BRAD NAILER WITH

# FINAL TOUCHES

INSTALL THE PROPER TRIM MOLDING AT THE DOORWAYS TO ACHIEVE THE TRANSITION AND ALONG THE WALLS TO COVER THE EDGES OF ANY GAPS ALONG THE WALL DUE TO

COMPLETE THE JOB BY USING PROFESSIONAL CHOICE FLOORING FILLER THAT BLENDS

WITH THE INSTALLED FLOORING, UON, TO FILL ANY GAPPING ALONG THE JOINTS AND

CLEAN THE FINISHED FLOOR WITH PROFESSIONAL CHOICE FLOORING CLEANER.

1" - 1-3/8" BRADS CAN ALSO BE USED TO BLIND NAIL AND NO PRE-DRILLING IS NEEDED.

**DIVISION #10 - SPECIALTIES** TOILET ACCESSORIES

COMPONENTS FOR INSTALLATION ON BUILDING

SEE ROUGH CARPENTRY: WOOD ANCHOR REINFORCEMENT. PROTECT ADJACENT OR ADJOINING FINISHED SURFACES AND WORK FROM DAMAGE DURING INSTALLATION OF WORK OF THIS SECTION. PROVIDE STEEL ANCHOR PLATES AND ANCHOR

INSTALL FIXTURES, ACCESSORIES, AND ITEMS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND IN ACCORDANCE WITH ADA 2010 AND OTHER CODE REQUIREMENTS FOR STRUCTURAL STRENGTH, REQUIRED LENGTH, AND INSTALLATION HEIGHT.

REFER TO ENLARGED TOILET ROOM PLAN FOR ACCESSORIES AND LOCATIONS.

INSTALL TRUE, PLUMB, AND LEVEL, SECURELY AND RIGIDLY ANCHORED TO SUBSTRATE.



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Maine.

Date: **08-01-2014** License #: ARC4112

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