

ARCHITECTURAL SPECIFICATIONS:

SECTION 09510 SUSPENDED ACOUSTIC CEILINGS

QUALITY ASSURANCE
A. ACOUSTIC CEILING PANELS AND TILE SHALL MEET THE REQUIREMENTS
OF FEDERAL SPECIFICATIONS SS-S-118A, CLASS 25 NONCOMBUSTIBLE
AND SHALL BE CLASSIFIED BY UNDERWRITERS' LABORATORIES, INC.,
UNDER HAZARD CLASSIFICATION FOR A FLAME SPREAD OF 0-25.

PRODUCTS
MATERIAL
A. ACOUSTIC CEILING PANELS SHALL BE MINERAL FIBER 24" x 48" x 5/8" OR 24" x 24" x 5/8". SEE FINISH SCHEDULES FOR SPECIFIC SPECIFICATION.

B. LAY-IN CEILING SYSTEM SHALL CONSIST OF FORMED DOUBLE WEB
STEEL MAIN BEAMS AND CROSS TEES, CONFORMING TO ASTM C-635
"HEAVY DUTY" STRUCTURAL CLASSIFICATION. MID-SPAN DEFLECTION
OF ANY COMPONENT SHALL NOT EXCEED 1/360 OF THE SPAN.
1. MAIN BEAM SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 16 POUNDS PER LINEAL FOOT OVER A 48" SIMPLE SPAN.
2. STRUCTURAL CROSS TEES WHICH INTERSECT THE MAIN BEAM AND WHICH SUPPORT OTHER CROSS TEES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 12 POUNDS PER LINEAL FOOT OVER A 4 FOOT SIMPLE SPAN.
3. PROVIDE A 7/8" x 7/8" STEEL HEMMED EDGE WALL MOLDING TO MATCH SUSPENSION SYSTEM IN DESIGN.

C. HANGER WIRE SHALL BE #12 GAUGE MINIMUM GALVANIZED STEEL WIRE.

D. EDGE MOLDINGS AND TRIM
1. PROVIDE METAL OR EXTRUDED ALUMINUM OF TYPES AND PROFILES
INDICATED OR, IF NOT INDICATED, MANUFACTURER'S STANDARD
MOLDINGS FOR EDGES AND PENETRATIONS THAT FIT TYPE OF EDGE
DETAIL AND SUSPENSION SYSTEM INDICATED AND THAT MATCH THE GRID SYSTEM.

E. REPLACEMENT PANELS
1. PROVIDE ONE UNOPENED CARTON OF EACH TYPE OF CEILING PANELS FOR STORAGE ON PREMISES.

MANUFACTURERS
A. ACOUSTIC CEILING PANELS
1. ARMSTRONG
2. USG
3. SAINT-GORBAIN CERTAINTÉED

B. CEILING SUSPENSION SYSTEMS - ACOUSTIC CEILING PANELS
1. ARMSTRONG WORLD INDUSTRIES, INC. (PRELUDE)
2. CHICAGO METALLIC CORPORATION
3. USG INTERIORS

C. HEMMED EDGE WALL MOLDINGS
1. ARMSTRONG WORLD INDUSTRIES, INC. (PRELUDE)
2. CHICAGO METALLIC CORPORATION
3. USG INTERIORS

EXECUTION
INSTALLATION
A. LAY-IN CEILING SYSTEM SHALL BE SUSPENDED FROM STRUCTURAL SYSTEM OR SUPPLEMENTAL STEEL FRAMING SUPPLIED BY THIS CONTRACTOR. SUSPENSION FROM METAL ROOF DECK, DUCTWORK, PIPING, ETC., WILL NOT BE PERMITTED.

B. HANGERS FOR SUSPENDED GRID SYSTEM SHALL BE NOT LESS THAN #12 GAUGE AND SPACED NO GREATER THAN 4'-0" ON CENTER. WHERE JOIST SPACING IS GREATER THAN FOUR FEET, OR WHERE JOISTS ARE PARALLEL TO CEILING SYSTEM MAIN BEAMS, COUNTER SPLAYED HANGERS MUST BE PROVIDED OR INTERMEDIATE HANGERS FROM SUPPLEMENTAL STEEL MUST BE SUPPLIED.

C. LAY-IN CEILING SYSTEM SHALL CONSIST OF MAIN BEAMS AT RIGHT ANGLES TO THE STRUCTURAL FRAMING, WITH CROSS TEES INTERSECTING THE MAIN BEAMS PARALLEL TO STRUCTURAL FRAMING.

D. CEILING CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ORIENTATION OF BUILDING STRUCTURAL FRAMING SYSTEM FOR COORDINATION OF SUSPENSION POINTS FOR LAY-IN CEILING SYSTEM.

1. WHERE LIGHT FIXTURES ARE RECESSED INTO THE CEILING, PROVIDE ADDITIONAL MAIN TEES TO SUPPORT RECESSED LIGHT FIXTURES.
A. ALL AS INDICATED ON DRAWINGS.
B. PROVIDE #12 HANGERS AT 48" O.C. ON BOTH SIDES OF RECESSED LIGHT FIXTURES.

2. PROVIDE ADDITIONAL MAIN BEAMS TO SUPPORT SURFACE MOUNTED LIGHT FIXTURES.
A. MAIN BEAM MUST OCCUR ABOVE ALL LIGHTS OF SURFACE MOUNTED LIGHT FIXTURES.
B. PROVIDE ADDITIONAL #12 HANGERS DIRECTLY UNDER LIGHT FIXTURES.

E. SECURE MAIN HANGERS TO LOOPING AND WIRING, EITHER DIRECTLY TO STRUCTURE OR TO INTERMEDIATE SCREWS, OR OTHER DEVICES THAT ARE SECURE AND APPROPRIATE FOR SUBSTRATE.

F. SECURE FLAT, ANGLE, CHANNEL, AND ROD HANGERS TO STRUCTURE INCLUDING INTERMEDIATE FRAMING MEMBERS, BY ATTACHING TO INSERTS, BOLTS, SCREWS, OR OTHER DEVICES THAT ARE SECURE AND APPROPRIATE FOR STRUCTURE TO WHICH HANGERS ARE ATTACHED AS WELL AS FOR TYPE OF HANGER USED.

G. INSTALL EDGE MOLDINGS OF TYPE INDICATED AT PERIMETER OF ACOUSTICAL CEILING AREA AND WHERE NECESSARY TO CONCEAL EDGES OF ACOUSTICAL UNITS.
1. SCREW-ATTACH MOLDINGS TO SUBSTRATE AT INTERVALS NOT OVER 18 INCHES O.C. AND NOT MORE THAN 3 INCHES FROM ENDS. LEVELING WITH CEILING SUSPENSION SYSTEM TO TOLERANCE OF 1/8" IN 12'-0".
2. MITER CORNERS ACCURATELY AND CONNECT SECURELY WHERE MOLDINGS INTERSECT.

SECTION 09650 RESILIENT TILE FLOORING

A. DO NOT INSTALL RESILIENT FLOORING OVER CONCRETE FLOORS THAT HAVE BEEN TREATED WITH CHEMICAL COMPOUNDS, SUCH AS SEALERS AND HARDENERS, WITHOUT A GUARANTY FROM THE GENERAL CONTRACTOR THAT THE NEW FLOOR FINISH MATERIAL (S) SHALL PERFORM AS PRESCRIBED WITHIN MANUFACTURER'S SPECIFICATIONS. FAILURE TO DO SO OR FAILURE OF FLOORING MATERIAL (S) SHALL RESULT THE DEMOLITION & REMOVAL AND REPLACEMENT OF FLOOR MATERIAL (S) BY GENERAL CONTRACTOR AT THEIR COST.

B. ALL SURFACES TO RECEIVE RESILIENT FLOORING FINISHES SHALL BE DRY, CLEAN AND SMOOTH, & PREPARED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATION.

PRODUCTS
MATERIALS
A. RESILIENT FLOOR TILE SHALL BE VINYL COMPOSITION TILE 1/8" GAUGE 12" X 12" PATTERN SHALL BE FULL THICKNESS OF TILE. TILE SHALL BE RESISTANT TO ALKALI, GREASE AND OILS.

B. RESILIENT BASE SHALL BE 1/8" THICK RUBBER. BASE SHALL BE COVED, EXCEPT IN CARPETED AREAS PROVIDE STRAIGHT RUBBER BASE. PROVIDE MOLDED INSIDE AND OUTSIDE CORNERS.

C. ADHESIVES AND OTHER APPLICATION MATERIAL SHALL BE THOSE AS MANUFACTURED OR RECOMMENDED SPECIFICALLY BY THE TILE MANUFACTURER OF THE MATERIAL SPECIFIED AND SUB-STRATA TO WHICH IT IS APPLIED.
1. SPRAY-ON ADHESIVES SHALL NOT BE ALLOWED.
2. ADHESIVES SHALL BE NON-PETROLEUM BASED.

D. FLOOR WAX - ECOLAB STRATUS WAX, (4 COATS)

MANUFACTURERS
A. RESILIENT FLOOR TILE
1. ARMSTRONG

B. RESILIENT BASE
3. JOHNSONITE

C. FLOOR WAX
1. ECOLAB STRATUS

D. ADHESIVES
1. ARMSTRONG

FINISHES
A. SEE ROOM FINISH SPECIFICATIONS.
B. BASE
1. COLOR: SEE ROOM FINISH SPECIFICATIONS.

EXECUTION
EXAMINATION
A. INSPECT SUBFLOOR SURFACES TO DETERMINE THAT THEY ARE SATISFACTORY. A SATISFACTORY SUBFLOOR SURFACE IS DEFINED AS ONE THAT IS CLEAN, SMOOTH, AND FREE FROM CRACKS, HOLES, RIDGES, COATINGS PREVENTING ADHESIVE BOND, AND OTHER DEFECTS IMPAIRING PERFORMANCE OR APPEARANCE.

B. PERFORM BOND AND MOISTURE TESTS ON CONCRETE SUBFLOOR TO DETERMINE IF SURFACES ARE SUFFICIENTLY CURED AND DRY.

C. DO NOT PROCEED WITH RESILIENT FLOORING WORK UNTIL SUBFLOOR SURFACES ARE SATISFACTORY.

PREPARATION
A. USE LEVELING AND PATCHING COMPOUNDS AS RECOMMENDED BY RESILIENT FLOORING MANUFACTURER FOR FILLING SMALL CRACKS, HOLES AND DEPRESSIONS IN SUBFLOOR.

B. REMOVE COATINGS FROM SUBFLOOR SURFACES THAT WOULD PREVENT ADHESIVE BOND, INCLUDING CLEANING COMPOUNDS, INCOMPATIBLE WITH RESILIENT FLOORING ADHESIVES, PAINTS, OILS, WAXES AND SEALERS.

C. BROOM CLEAN OR VACUUM SURFACES TO BE COVERED, AND INSPECT SUBFLOOR.

D. APPLY CONCRETE SLAB PRIMER, IF RECOMMENDED BY FLOORING MANUFACTURER, PRIOR TO APPLICATION OF ADHESIVE. APPLY IN COMPLIANCE WITH MANUFACTURER'S DIRECTIONS.

INSTALLATION
A. INSTALL RESILIENT FLOORING IN STRICT COMPLIANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND RECOMMENDATIONS.

B. SCRIBE, CUT, AND FIT RESILIENT FLOORING TO PERMANENT FIXTURES, BUILT-IN FURNITURE AND CABINETS, PIPES, OUTLETS AND PERMANENT COLUMNS, WALLS AND PARTITIONS.

C. TIGHTLY CEMENT RESILIENT FLOORING TO FLOOR WITHOUT OPEN CRACKS, VOIDS, RAISING AND PUCKERING AT JOINTS, TELEGRAPHING OF ADHESIVE SPREADER MARKS, OR OTHER SURFACE IMPERFECTIONS.

D. HAND ROLL RESILIENT FLOORING TO ASSURE ADHESION.

E. CAREFULLY ALIGN TILE JOINTS IN BOTH DIRECTIONS WITH TIGHT SEAMS AND WITHOUT BUCKLING.

F. ADJUST WIDTH OF BORDER AS REQUIRED BY RUN OF TILE. BORDER LESS THAN HALF TILE WIDTHS NOT ACCEPTABLE.

H. INSTALL COVED BASE ON TOP OF RESILIENT FLOORING. SCRIBE ACCURATELY TO TRIM ITEMS.

I. FURNISH VINYL REDUCER EDGE STRIPS AT EXPOSED EDGES OF TILE SUCH AS DOORWAYS, CASED OPENINGS, AND OTHER ITEMS WHERE FLOOR TILE IS NOT CONTINUOUS.

J. MATCH TILES FOR COLOR AND PATTERN BY USING TILE FROM CARTONS IN SAME SEQUENCE AS MANUFACTURED AND PACKAGED IF SO NUMBERED.

K. DO NOT USE BROKEN, CRACKED, CHIPPED OR DEFORMED TILE.

L. ADHERE TILE FLOORING TO SUBSTRATES USING FULL SPREAD OF ADHESIVE APPLIED IN COMPLIANCE WITH FLOORING MANUFACTURER'S DIRECTIONS.

M. APPLY BASE TO WALLS, CASEWORK, AND OTHER PERMANENT FIXTURES IN ROOMS OR AREAS WHERE BASE IS REQUIRED. INSTALL BASE IN LENGTHS AS LONG AS PRACTICABLE.

N. ON MASONRY SURFACES, OR OTHER SIMILAR IRREGULAR SUBSTRATES, FILL VOIDS ALONG TOP EDGE OF RESILIENT WALL BASE WITH MANUFACTURER'S RECOMMENDED ADHESIVE FILLER MATERIAL.

O. REMOVE EXCESS ADHESIVE AS RECOMMENDED BY THE TILE MANUFACTURER. DAMP MOP AND PROVIDE PROTECTIVE COAT OF FLOOR WAX IMMEDIATELY AFTER INSTALLATION OF THE RESILIENT FLOOR. PROTECT ALL TRAFFIC AREAS WITH UNDYED UNTREATED BUILDING PAPER.

P. CONTRACTOR TO APPLY, ACCORDING TO MANUFACTURE'S SPECIFICATIONS, 4 COATS OF WAX TO THE VCT TILE PRIOR TO MERCHANDISING.

Q. CLEAN, BUFF AND WAX VCT FLOORING PRIOR TO SOFT OPEN.

PATTERNS
A. FLOOR TILE SHALL BE INSTALLED WITH GRAIN IN A CHECKERBOARD PATTERN.

SECTION 09690 CARPET TILE

MANUFACTURER:
1. AS SPECIFIED IN ROOM FINISH SCHEDULE.

PRODUCTS:
1. AS SPECIFIED IN ROOM FINISH SCHEDULE.

INSTALLATION:
1. AS PER MANUFACTURER STANDARDS.

SECTION 09900 PAINTING

GENERAL
PAINTING OF PHYSICAL HAZARDS AND PROTECTIVE, FIREFIGHTING AND SAFETY EQUIPMENT SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). COLORS SHALL COMPLY WITH AMERICAN NATIONAL STANDARDS INSTITUTE PAMPHLET ANSI Z35-1.

JOB CONDITIONS
WHEN SURFACE TEMPERATURE IS BELOW 50°F. DO NOT APPLY ANY PAINT OR FINISHING MATERIAL UNLESS OTHERWISE SPECIFIED. DO NOT PAINT EXTERIOR SURFACES IMMEDIATELY FOLLOWING RAIN OR UNTIL FROST, DEW OR CONDENSATION HAS EVAPORATED. SURFACES SHALL BE TESTED WITH MOISTURE METER BEFORE PROCEEDING.

PRODUCT MATERIALS
THINNERS: USE ONLY MATERIALS RECOMMENDED BY PAINT MANUFACTURER.

MANUFACTURERS
A. PAINT
1. SHERWIN-WILLIAMS
2. BENJAMIN MOORE

FINISHES
A. COLORS - REFER TO DRAWINGS.

EXECUTION
PREPARATION
A. CONCRETE FLOORS SHALL BE BROOM CLEAN, DRY AND FREE OF ALL DUST, DIRT, OIL AND GREASE BEFORE PAINTING. NEW CONCRETE MUST BE ALLOWED TO CURE AT 70° FOR 30 DAYS. POLY SEALERS MUST BE COMPATIBLE WITH THE PAINT TO BE REMOVED.

B. SAND SMOOTH WOODWORK AND LIGHTLY SAND OR WIRE BRUSH PLYWOOD TO BE FINISHED. CLEAN SURFACE BEFORE PROCEEDING WITH THE APPLICATION OF THE FIRST COAT.

C. SOLVENT CLEAN METAL SURFACES WITH MINERAL SPIRITS, REMOVE DIRT, OIL AND GREASE. HAND TOOL CLEAN ALL UN-PRIMED ITEMS, WIRE BRUSHING AND SANDING. PRIME COAT ALL UN-PRIMED ITEMS, CLEAN AND TOUCH UP SHOP COATS OR PAINT THAT HAVE BECOME BADLY WEATHERED, WORN OR MARRED WITH THE PRIMER SPECIFIED.

D. SOLVENT CLEAN GALVANIZED SURFACES THOROUGHLY WITH MINERAL SPIRITS, REMOVE DIRT, OIL AND GREASE. HAND TOOL CLEAN ALL RUST AND SCALE BY WIRE BRUSHING OR SANDING. PRIME COAT WITH THE GALVANIZED PRIMER AS SPECIFIED.

E. MASONRY BLOCK UNITS AND CONCRETE SURFACES SHALL BE DRY AND CLEAN FROM ALL DUST, DIRT, OIL AND EFFLORESCENCE BEFORE PAINTING.

NEW SURFACES
A. ALL SURFACES TO RECEIVE PAINT SHALL BE CLEAN, DULL, DRY, SMOOTH AND DUST FREE BEFORE APPLICATION OF ANY MATERIALS. PREPARE SURFACES AS FOLLOWS: FOR SUBSTRATES NOT LISTED CONSULT THE RESPECTIVE PAINT MANUFACTURER FOR THE APPROPRIATE PREPARATION FOR THE SUBSTRATE.

B. ALL SURFACES MUST BE THOROUGHLY BRUSHED WITH A TUFF FIBER BRUSH (NON-METALLIC) TO REMOVE LOOSE PARTICLES, WITH PARTICULAR EMPHASIS ON STUCCO SURFACES AND MORTAR COURSE.

C. SURFACES ARE TO BE DRY, FREE OF GREASY RESIDUE, MORTAR AND ASPHALT SPATTERS.

D. CRACKS, JOINTS AND LARGE VOIDS ARE TO BE FILLED BY REPAINTING, CAULKING OR ACCORDING TO MANUFACTURER'S WRITTEN SPECIFICATIONS.

EXISTING SURFACES
A. REMOVE ALL PEELING AND SCALING PAINT TO A SOUND SUBSTRATE BY HAND SCRAPING, USE OF MECHANICAL GRINDERS OR WITH HIGH PRESSURE SPRAY EQUIPMENT.

B. IF MILDEW IS PRESENT REMOVE WITH A COMMERCIAL MILDEWICIDE SOLUTION. CAUTION: USE RUBBER GLOVES, WORK GOGGLES AND PROTECTIVE CLOTHING.

C. MULTIPLE COATS OF PAINT THAT ARE IN AN ADVANCED STATE OF DETERIORATION AND PRIOR APPLICATIONS OF CEMENT BASED PAINTS MUST BE REMOVED BY SANDBLASTING OR BY USE OF MECHANICAL GRINDER.

D. ALL STRUCTURAL CRACKS AND CREVICES ARE TO BE FILLED WITH APPROPRIATE PATCHING MATERIAL.

E. WEATHERED, UNPAINTED MASONRY SURFACES MUST BE FREE OF DIRT, GREASE AND OIL. BADLY WEATHERED CONCRETE, BRICK OR OTHER MASONRY SHOULD BE POWER WASHED.

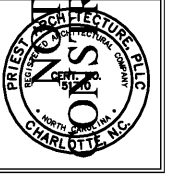
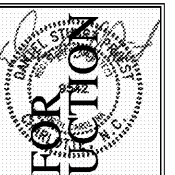
F. IF THIS CONTRACTOR CONSIDERS ANY SURFACE UNSUITABLE FOR PROPER FINISHING, HE IS TO NOTIFY THE GENERAL CONTRACTOR. HE IS NOT TO APPLY ANY MATERIAL UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN. DOING SO WILL ACCEPT FULL LIABILITY.

G. PREVIOUSLY COATED SURFACES: - MAINTENANCE PAINTING WILL FREQUENTLY NOT REQUIRE THE COMPLETE REMOVAL OF ALL COATINGS PRIOR TO REPAINTING. HOWEVER, ALL SURFACE CONTAMINATION SUCH AS OIL, GREASE, LOOSE PAINT, MILL SCALE, DIRT, FOREIGN MATTER, RUST, MOLD, MILDEW, MORTAR, EFFLORESCENCE AND SEALERS MUST BE REMOVED TO ASSURE SOUND BONDING TO TIGHTLY ADHERING EXISTING PAINT. GLOSSY SURFACES OF EXISTING PAINT FILMS MUST BE CLEAN AND DULL BEFORE REPAINTING. WASH THOROUGHLY AND DULL BY SANDING. SPOT PRIME ANY BARE AREAS WITH AN APPROPRIATE PRIMER. CHECK FOR COMPATIBILITY BY APPLYING A TEST PATCH OF THE RECOMMENDED COATING, COVERING AT LEAST 2 SQUARE FEET. ALLOW TO DRY ONE WEEK BEFORE TESTING ADHESION PER WITH TAPE PULL. IF THE COATING IS INCOMPATIBLE, COMPLETE REMOVAL IS REQUIRED.

APPLICATION
A. FINISH COLORS SHALL BE AS INDICATED ON THE DRAWINGS. TINT PRIMER AND UNDERCOAT TO THE APPROXIMATE SHADE OF THE FINISH COAT.

B. SURFACES SHALL BE CURED A MINIMUM OF 28 DAYS AND DRY BEFORE APPLICATION.

NOTE:
SPECIFICATIONS ARE NOT APPLICABLE TO ALL PROJECTS. USE SPECIFICATIONS AS REQUIRED AND IN CONJUNCTION WITH OTHER DISCIPLINE SPECIFICATIONS.



REVISIONS	
NO.	DATE

BH PECAN, LLC
904 PECAN AVENUE
CHARLOTTE, NORTH CAROLINA 28205

Project No:
1923
Scale:
Date Drawn:
Sheet Title

GENERAL SPECIFICATIONS

A-7.2