SECTION 07710 - MANUFACTURED ROOF SPECIALTIES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, AND COLOR SAMPLES.

B. PROVIDE PRODUCTS THAT COMPLY WITH APPLICABLE REQUIREMENTS OF SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL," UNLESS OTHERWISE INDICATED.

PART 2 - PRODUCTS

2.1 ROOF SPECIALTIES

A. ALUMINUM COPINGS: SEE DRAWINGS AND PROPOSE MANUF. FOR OWNERS REP. APPROVAL.
B. ALUMINUM FASCIA: SEE DRAWINGS AND PROPOSE MANUF. FOR OWNERS REP. APPROVAL.
C. ALUMINUM GRAVEL STOPS: SEE DRAWINGS AND PROPOSE MANUF. FOR OWNERS REP. APPROVAL.
D. ALUMINUM GUTTERS AND DOWNSPOUTS: SEE DRAWINGS AND PROPOSE MANUF. FOR OWNERS REP. APPROVAL.
E. ALUMINUM METAL SHEET: PRE FINISHED

PART 3 - EXECUTION

3.1 INSTALLATION

A. COORDINATE WITH INSTALLATION OF ROOF DECKS AND OTHER SUBSTRATES TO PRODUCE A WATERTIGHT ASSEMBLY CAPABLE OF WITHSTANDING INWARD AND OUTWARD LOADING PRESSURES, AND THERMAL AND LATERAL LOADS.

B. COAT BACK SIDE OF ALL ROOF SPECIALTIES WITH BITUMINOUS COATING WHERE THEY WILL CONTACT WOOD, FERROUS METAL, OR CEMENTITIOUS CONSTRUCTION.

C. EXPANSION PROVISIONS: INSTALL RUNNING LENGTHS TO ALLOW CONTROLLED EXPANSION FOR MOVEMENT OF METAL COMPONENTS, TO PREVENT WATER LEAKAGE, DEFORMATION, OR DAMAGE.

END OF SECTION 07710

SECTION 07720 - ROOF ACCESSORIES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, AND COLOR SAMPLES.

PART 2 - PRODUCTS

2.1 MATERIALS

A. ALUMINUM SHEET: ASTM B 209 (ASTM B 209M), ALCLAD ALLOY 3005H25, OR ALLOY AND TEMPER REQUIRED TO SUIT FORMING OPERATIONS, WITH MILL FINISH, UNLESS OTHERWISE INDICATED.

B. EXTRUDED ALUMINUM: ASTM B 221 (ASTM B 221M), ALLOY 6063-T52, OR ALLOY AND TEMPER REQUIRED TO SUIT STRUCTURAL AND FINISH REQUIREMENTS, WITH MILL FINISH, UNLESS OTHERWISE INDICATED.

C. GALVANIZED STEEL SHEET: ASTM A 653/A 653M, G90 (Z275).

2.2 ROOF ACCESSORIES

A. ROOF CURBS AND EQUIPMENT SUPPORTS: FABRICATE FROM .0747-INCH- (1.9-MM-) THICK, GALVANIZED STRUCTURAL STEEL; FACTORY PRIMED AND PREPARED FOR PAINTING WITH WELDED OR SEALED MECHANICAL CORNER JOINTS.

1. PROVIDE UNITS WITH CANT STRIPS AND BASE PROFILE COORDINATED WITH ROOF INSULATION THICKNESS AND ROOF DECK SLOPE.
2. PROVIDE PRESERVATIVE-TREATED WOOD NAILERS AT TOPS OF CURBS.
3. PROVIDE MANUFACTURER'S STANDARD RIGID OR SEMIRIGID INSULATION.
4. SEE DRAWINGS AND PROPOSE FOR OWNERS REP. APPROVAL.

B. LOW-PROFILE GRAVITY VENTILATORS: FABRICATE FROM GALVANIZED STEEL SHEET WITH HIGH-PERFORMANCE ORGANIC FINISH.

1. PROVIDE UNITS WITH INTEGRAL DOUBLE-WALL CURB, WITH MINIMUM 1-INCH- (25-MM-) THICK, GLASS-FIBER BOARD INSULATION, AND WITH MINIMUM 3-INCH (75-MM) ROOF FLANGES.
2. PROVIDE BIRD SCREENS FABRICATED FROM 1/2-INCH- (13-MM-) SQUARE MESH, 0.062-INCH- (1.6-MM-) DIAMETER, STAINLESS-STEEL WIRE.
3. SEE DRAWINGS, PROPOSE FOR OWNERS REP. APPROVAL.

D. RIDGE VENT: HIGH-DENSITY POLYPROPYLENE, NONWOVEN MODIFIED POLYESTER, OR OTHER UV-STABILIZED PLASTIC DESIGNED TO BE INSTALLED UNDER ASPHALT SHINGLES AT RIDGE.

PART 3 - EXECUTION

3.1 INSTALLATION

A. INSTALLATION: UNLESS OTHERWISE INDICATED, INSTALL ROOF ACCESSORY ITEMS ACCORDING TO CONSTRUCTION DETAILS OF NRCA'S "ROOFING AND WATERPROOFING MANUAL." COORDINATE WITH INSTALLATION OF ROOF DECK, VAPOR BARRIERS, ROOF INSULATION, ROOFING, AND FLASHING TO ENSURE COMBINED ELEMENTS ARE SECURE, WATERPROOF, AND WEATHERTIGHT.

END OF SECTION 07720

SECTION 07920 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. SUBMITTALS: PRODUCT DATA AND COLOR SAMPLES.

PART 2 - PRODUCTS

2.1 JOINT SEALANTS

A. COMPATIBILITY: PROVIDE JOINT SEALANTS, JOINT FILLERS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER SERVICE AND APPLICATION CONDITIONS.

B. ELASTOMERIC SEALANTS: COMPLY WITH ASTM C 920.

1. SINGLE-COMPONENT, NEUTRAL-CURING SILICONE SEALANT, TYPE S; GRADE NS; CLASS 25; USES T, M, AND O, WITH THE ADDITIONAL CAPABILITY TO WITHSTAND 100 PERCENT MOVEMENT IN EXTENSION AND 50 PERCENT MOVEMENT IN COMPRESSION FOR A TOTAL OF 150 PERCENT MOVEMENT. USE FOR BUILDING EXPANSION JOINTS.

2. SINGLE-COMPONENT, NONSAG POLYSULFIDE SEALANT, TYPE S; GRADE NS; CLASS 12-1/2; USES NT, M, G, A, AND O. FOR GENERAL EXTERIOR USE.

3. SINGLE-COMPONENT, NEUTRAL-CURING SILICONE SEALANT, TYPE S; GRADE NS; CLASS 25; USES T, NT, M, G, A, AND O. FOR GENERAL EXTERIOR USE.

4. SINGLE-COMPONENT, NONSAG URETHANE SEALANT, TYPE S; GRADE NS; CLASS 25; AND USES NT, M, A, AND O. FOR GENERAL EXTERIOR USE.

5. SINGLE-COMPONENT, POURABLE URETHANE SEALANT, TYPE S; GRADE P; CLASS 25; USES T, M, G, A, AND O. USE FOR EXTERIOR TRAFFIC-BEARING JOINTS.

6. SINGLE-COMPONENT, MILDEW-RESISTANT SILICONE SEALANT, TYPE S; GRADE NS; CLASS 25; USES NT, G, A, AND O; FORMULATED WITH FUNGICIDE. USE FOR INTERIOR SEALANT JOINTS IN CERAMIC TILE, STONE, AND OTHER HARD SURFACES IN KITCHENS AND TOILET ROOMS AND AROUND PLUMBING FIXTURES.

C. LATEX SEALANT: SINGLE-COMPONENT, NONSAG, MILDEW-RESISTANT, PAINTABLE, ACRYLIC-EMULSION SEALANT COMPLYING WITH ASTM C 834. FOR INTERIOR USE ONLY AT PERIMETERS OF DOOR AND WINDOW FRAMES.

PART 3 - EXECUTION

3.1 INSTALLATION

A. COMPLY WITH ASTM C 1193.
B. COMPLY WITH ASTM C 919 FOR USE OF JOINT SEALANTS IN ACOUSTICAL APPLICATIONS.

END OF SECTION 07920

SECTION 08110 - STEEL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. SUBMITTALS: PRODUCT DATA AND DOOR SCHEDULE.

B. COMPLY WITH ANSI/SDI 100.

C. FIRE-RATED DOOR ASSEMBLIES: NFPA 80, TESTED PER ASTM E 152, AND LABELED AND LISTED BY UL, ITS, OR ANOTHER TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

PART 2 - PRODUCTS

2.1 MATERIALS

A. HOT-ROLLED STEEL SHEETS: ASTM A 569/A 569M.
B. COLD-ROLLED STEEL SHEETS: ASTM A 366/A 366M OR ASTM A 620/A 620M.
C. GALVANIZED STEEL SHEETS: ASTM A 653/A 653M, COMMERCIAL STEEL, OR ASTM A 642/A 642M, DRAWING QUALITY, WITH A60 OR G60 (ZF180 OR Z180) COATING DESIGNATION, MILL PHOSPHATIZED.

2.2 STEEL DOORS AND FRAMES

A. PROVIDE STEEL DOORS AND FRAMES MANUFACTURED BY STEELCRAFT, CURRIES, CECO OR ARCHITECT APPROVED EQUIVALENT
B. STEEL DOORS: 1-3/4-INCH- (44-MM-) THICK OF MATERIALS AND ANSI/SDI 100 GRADES AND MODELS INDICATED ON DRAWINGS, SCHEDULES OR IF NOT SHOWN - PROPOSE FOR OWNERS REP. APPROVAL.

1. INTERIOR DOORS: GRADE II, HEAVY-DUTY, MODEL 2, SEAMLESS DESIGN, MINIMUM 0.0478-INCH- (1.2-MM-) THICK, COLD-ROLLED STEEL SHEET FACES.

2. EXTERIOR DOORS: GRADE III, EXTRA HEAVY-DUTY, MODEL 2, SEAMLESS DESIGN, MINIMUM 0.0635-INCH- (1.6-MM-) THICK, GALVANIZED STEEL SHEET FACES.

C. DOOR SILENCERS: THREE ON STRIKE JAMBS OF SINGLE-DOOR FRAMES AND TWO ON HEADS OF DOUBLE-DOOR FRAMES.
D. PLASTER GUARDS: PROVIDE WHERE MORTAR MIGHT OBSTRUCT HARDWARE OPERATION AND TO CLOSE OFF INTERIOR OF OPENINGS.
E. FABRICATE STEEL FRAMES TO BE RIGID, NEAT IN APPEARANCE, AND FREE FROM DEFECTS, WARP, OR BUCKLE.

1. EXTERIOR FRAMES: FABRICATE WITH MITERED OR COPED AND CONTINUOUSLY WELDED CORNERS, FORMED FROM 0.0635-INCH- (1.6-MM-) THICK, GALVANIZED STEEL SHEET.

F. PREPARE DOORS AND FRAMES TO RECEIVE MORTISED AND CONCEALED HARDWARE ACCORDING TO SDI 107.
G. PRIME COAT: GALVANIZED STEEL, FS TT-P-641, TYPE II ZINC-DUST, ZINC-OXIDE PRIMER.

PART 3 - EXECUTION

3.1 INSTALLATION

A. PLACE STEEL FRAMES TO COMPLY WITH SDI 105.
B. INSTALL STEEL DOORS ACCURATELY IN FRAMES, WITHIN CLEARANCES SPECIFIED IN ANSI/SDI 100.
1. FIRE-RATED DOORS: INSTALL WITH CLEARANCES SPECIFIED IN NFPA 80.
2. SMOKE-CONTROL DOORS: COMPLY WITH NFPA 105.
C. PRIME COAT REPAIR: IMMEDIATELY AFTER ERECTION, SAND SMOOTH ANY RUSTED OR DAMAGED AREAS OF PRIME COAT AND REPAIR FINISH WITH COMPATIBLE AIR-DRYING PRIMER.

END OF SECTION 08110

SECTION 08411 - ALUMINUM FRAMED STOREFRONTS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. STRUCTURAL PERFORMANCE: PROVIDE SYSTEMS, INCLUDING ANCHORAGE, CAPABLE OF WITHSTANDING MIN. CODE COMPLIANT LOADS.
1. MAIN-FRAMING-MEMBER DEFLECTION: LIMITED TO 1/175 OF CLEAR SPAN WITH A SAFETY FACTOR OF 1.65
2. STRUCTURAL-TESTING: SYSTEMS TESTED ACCORDING TO ASTM E 330 AT 150 SAFETY FACTOR) PERCENT OF INWARD AND OUTWARD WIND-LOAD DESIGN PRESSURES DO NOT EVIDENCE MATERIAL FAILURES, STRUCTURAL DISTRESS, DEFLECTION FAILURES, OR PERMANENT DEFORMATION OF MAIN FRAMING MEMBERS EXCEEDING 0.2 PERCENT OF CLEAR SPAN.

B. AIR INFILTRATION: LIMITED TO 0.06 CFM/SQ. FT. (0.3 L/S PER SQ. M) OF SYSTEM SURFACE AREA WHEN TESTED ACCORDING TO ASTM E 283 AT A STATIC-AIR-PRESSURE DIFFERENCE OF THE INDUSTRY STD.
C. WATER PENETRATION: SYSTEMS DO NOT EVIDENCE WATER LEAKAGE WHEN TESTED ACCORDING TO ASTM E 331 AT MINIMUM DIFFERENTIAL PRESSURE OF 20 PERCENT OF INWARD ACTING WIND LOAD DESIGN PRESSURE BUT NOT LESS THAN THE INDUSTRY STANDARD (8 PERCENT).
D. AVERAGE U-VALUE: NOT MORE THAN AS INDICATED ON MECH. PLANS AND PER AAMA 1503.1.
E. SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, AND COLOR SAMPLES.
1. FOR ENTRANCE SYSTEMS, INCLUDE HARDWARE SCHEDULE AND LOCATIONS.

PART 2 - PRODUCTS

2.1 ALUMINUM-FRAMED STOREFRONTS

A. PROVIDE **YKK YHS 50 FI SERIES (IMPACT RATED) W/ 2 1/2" X 5" FRAME** COMPONENTS OR ARCHITECT APPROVED EQUAL
B. ALUMINUM: ASTM B 209 (ASTM B 209M) SHEET; ASTM B 221 (ASTM B 221M) EXTRUSIONS.
C. GLAZING: REFER TO NOTES ON DRAWINGS.
D. SEALANTS AND JOINT FILLERS: FOR JOINTS AT PERIMETER OF SYSTEMS AS SPECIFIED IN DIVISION 7 SECTION "JOINT SEALANTS."
E. DOORS: **YKK AP AMERICA, 50 HD DOOR, MEDIUM STYLE** THICK GLAZED DOORS WITH MINIMUM 0.125-INCH (3.2-MM) THICK, EXTRUDED TUBULAR RAIL AND STILE MEMBERS, MECHANICALLY FASTENED CORNERS WITH REINFORCING BRACKETS THAT ARE DEEP PENETRATION AND FILLET WELDED OR THAT INCORPORATE CONCEALED TIE-RODS, SNAP-ON EXTRUDED-ALUMINUM GLAZING STOPS, AND PREFORMED GASKETS.
1. INTERIOR DOORS: PROVIDE ANSI/BHMA A156.16 SILENCERS, THREE ON STRIKE JAMB OF SINGLE-DOOR FRAMES AND TWO ON HEAD OF DOUBLE-DOOR FRAMES.
2. EXTERIOR DOORS: PROVIDE COMPRESSION WEATHER STRIPPING AT FIXED STOPS. AT OTHER LOCATIONS, PROVIDE SLIDING WEATHER STRIPPING RETAINED IN ADJUSTABLE STRIP MORTISED INTO DOOR EDGE.
3. HARDWARE: SEE HARDWARE SCHEDULE ON DRAWINGS.
F. FASTENERS AND ACCESSORIES: COMPATIBLE WITH ADJACENT MATERIALS, CORROSION-RESISTANT, NONSTAINING, AND NONBLEEDING. USE CONCEALED FASTENERS EXCEPT FOR APPLICATION OF DOOR HARDWARE.
G. FABRICATION: FABRICATE FRAMING IN PROFILES INDICATED FOR FLUSH GLAZING (WITHOUT PROJECTING STOPS). PROVIDE SUBFRAMES AND REINFORCING OF TYPES INDICATED OR, IF NOT INDICATED, AS REQUIRED FOR A COMPLETE SYSTEM. FACTORY ASSEMBLE COMPONENTS TO GREATEST EXTENT POSSIBLE. DISASSEMBLE COMPONENTS ONLY AS NECESSARY FOR SHIPMENT AND INSTALLATION.
1. DOOR FRAMING: REINFORCE TO SUPPORT IMPOSED LOADS. FACTORY ASSEMBLE DOOR AND FRAME UNITS AND FACTORY INSTALL HARDWARE TO GREATEST EXTENT POSSIBLE. REINFORCE DOOR AND FRAME UNITS FOR HARDWARE INDICATED. CUT, DRILL, AND TAP FOR FACTORY-INSTALLED HARDWARE BEFORE FINISHING COMPONENTS. CLASS I ANODIC FINISHES BELOW ARE HEAVIER THAN CLASS II FINISHES AND ARE RECOMMEND FOR EXTERIOR APPLICATIONS.
H. ALUMINUM FINISH: COMPLY WITH NAAMMS "METAL FINISHES MANUAL FOR ARCHITECTURAL AND METAL PRODUCTS." AS PER DRAWINGS AND AS PER OWNERS REP. REQUIREMENTS.
1. COLOR: SEE DRAWINGS.

PART 3 - EXECUTION

3.1 INSTALLATION

A. ISOLATE METAL SURFACES IN CONTACT WITH INCOMPATIBLE METAL OR CORROSIVE SUBSTRATES, INCLUDING WOOD, BY PAINTING CONTACT SURFACES WITH BITUMINOUS COATING OR PRIMER, OR BY APPLYING SEALANT OR TAPE RECOMMENDED BY MANUFACTURER.
B. INSTALL COMPONENTS TO PROVIDE A WEATHERPROOF SYSTEM.
C. INSTALL FRAMING COMPONENTS TRUE IN ALIGNMENT WITH ESTABLISHED LINES AND GRADES TO THE FOLLOWING TOLERANCES:
1. VARIATION FROM PLANE: LIMIT TO 1/8 INCH IN 12 FEET (3 MM IN 3.7 M); 1/4 INCH (6 MM) OVER TOTAL LENGTH.
2. ALIGNMENT: FOR SURFACES ABUTTING IN LINE, LIMIT OFFSET TO 1/16 INCH (1.5 MM). FOR SURFACES MEETING AT CORNERS, LIMIT OFFSET TO 1/32 INCH (0.8 MM).
3. DIAGONAL MEASUREMENTS: LIMIT DIFFERENCE BETWEEN DIAGONAL MEASUREMENTS TO 1/8 INCH (3 MM).
D. INSTALL DOORS WITHOUT WARP OR RACK. ADJUST DOORS AND HARDWARE TO PROVIDE TIGHT FIT AT CONTACT POINTS AND SMOOTH OPERATION.

END OF SECTION 08411

SECTION 08710 - DOOR HARDWARE

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. SUBMITTALS: HARDWARE SCHEDULE.

B. DELIVER KEYS TO OWNER.

C. FOR FIRE-RATED OPENINGS PROVIDE HARDWARE TESTED AND LISTED BY UL OR FM (NFPA 80). ON EXIT DEVICES PROVIDE UL OR FM LABEL INDICATING "FIRE EXIT HARDWARE."

PART 2 - PRODUCTS

2.1 HARDWARE

A. HINGES: PROVIDE THE FOLLOWING:
1. STAINLESS-STEEL OR BRASS/BRONZE HINGES WITH STAINLESS-STEEL PINS FOR EXTERIOR.
2. NONREMOVABLE HINGE PINS FOR EXTERIOR AND PUBLIC INTERIOR EXPOSURE.
3. THREE HINGES FOR 1-3/4-INCH- (45-MM-) THICK DOORS 90 INCHES (2300 MM) OR LESS IN HEIGHT; FOUR HINGES FOR DOORS MORE THAN 90 INCHES (2300 MM) IN HEIGHT.

B. LOCKSETS AND LATCHSETS AS FOLLOWS:
1. BHMA A156.2, SERIES 4000, GRADE (AS PER OWNERS REP.) FOR BORED LOCKS AND LATCHES.
2. BHMA A156.3, GRADE 1 FOR EXIT DEVICES.
3. BHMA A156.5, GRADE (AS PER OWNERS REP.) FOR AUXILLIARY LOCKS.
4. BHMA A156.12, SERIES 5000, GRADE (AS PER OWNERS REP.) FOR INTERCONNECTED LOCKS AND LATCHES.
5. BHMA A156.13, SERIES 1000, GRADE (AS PER OWNERS REP.) FOR MORTISE LOCKS AND LATCHES.
6. LEVER HANDLES ON LOCKSETS AND LATCHSETS, (AS PER OWNERS REP.).
7. PROVIDE TRIM ON EXIT DEVICES MATCHING LOCKSETS.

C. KEY LOCKS TO OWNER'S NEW MASTER-KEY SYSTEM.
1. CYLINDERS WITH SIX-PIN TUMBLERS AND REMOVABLE CORES.
2. PROVIDE CYLINDERS FOR STOREFRONT DOORS, AND OTHER LOCKING DOORS THAT DO NOT REQUIRE OTHER HARDWARE.
3. PROVIDE CONSTRUCTION KEYING.
4. PROVIDE KEY CONTROL SYSTEM, INCLUDING CABINET.

D. CLOSERS: PROVIDE THE FOLLOWING:
1. MOUNT CLOSERS ON INTERIOR SIDE (ROOM SIDE) OF DOOR OPENING. PROVIDE REGULAR-ARM, PARALLEL-ARM, OR TOP-JAMB-MOUNTED CLOSERS AS NECESSARY.
2. ADJUSTABLE DELAYED OPENING (ACCESSIBLE TO THE DISABLED) FEATURE ON CLOSERS.

E. PROVIDE WALL STOPS OR FLOOR STOPS FOR DOORS WITHOUT CLOSERS.
F. PROVIDE HARDWARE FINISHES AS FOLLOWS:
1. HINGES: MATCHING FINISH OF LOCKSET/LATCHSET.
2. LOCKSETS, LATCHSETS, AND EXIT DEVICES: SATIN CHROME PLATED.
3. CLOSERS: MATCHING FINISH OF LOCKSET/LATCHSET.
4. OTHER HARDWARE: MATCHING FINISH OF LOCKSET/LATCHSET.

PART 3 - EXECUTION

3.1 INSTALLATION

A. MOUNT HARDWARE IN LOCATIONS RECOMMENDED BY THE DOOR AND HARDWARE INSTITUTE, UNLESS OTHERWISE INDICATED.

3.2 HARDWARE SCHEDULE

A. HARDWARE - SEE PLANS.

END OF SECTION 08710

SECTION 08800 - GLAZING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. SUBMITTALS: PRODUCT DATA AND 12-INCH- (300-MM-) SQUARE SAMPLES.

B. COMPLY WITH WRITTEN INSTRUCTIONS OF GLASS PRODUCT MANUFACTURERS; GANA'S "GLAZING MANUAL" AND PUBLICATIONS OF GANA, AAMA, AND SIGMA AS APPLICABLE TO PRODUCTS INDICATED, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.

C. GLASS AND GLAZING WORK INCLUDES STOREFRONT AND ENTRANCE GLAZING (NOT INDICATED AS PRE-GLAZED, HURRICANE RESISTANT GLASS.

1.2 SYSTEM PERFORMANCE

A. PROVIDE GLASS AND GLAZING THAT WILL WITHSTAND NORMAL TEMPERATURE CHANGES, WIND LOADING, IMPACT LOADING, ETC. WITHOUT BREAKAGE OF GLASS, FAILURE OF SEALS AND LOSS OF AIR-TIGHTNESS AND WATER-TIGHTNESS

1.3 QUALITY ASSURANCE

A. COMPLY WITH RECOMMENDATIONS OF THE FLAT GLASS MARKETING ASSOCIATION "GLAZING MANUAL" AND "SEALANT MANUAL"
B. COMPLY WITH INSULATED GLASS MANUFACTURER'S ASSOCIATION (SIGMA) #65-7-2
C. HURRICANE / IMPACT RESISTANT GLAZING SYSTEM: MUST PASS DADE AND BROWARD COUNTY HURRICANE CYCLING AND IMPACT TESTS AND COMPLY WITH ANSI Z97.1 AND CPSC CATEGORY II
D. WARRANTY: PROVIDE WRITTEN WARRANTY COVERING MANUFACTURING DEFECTS, SIGNED BY THE MANUFACTURER, FOR THE PERIODS STATED BELOW AFTER SUBSTANTIAL COMPLETION
1. INSULATED GLASS: MANUFACTURER'S STANDARD TEN-YEAR MINIMUM PERIOD
2. FLOAT GLASS: MANUFACTURER'S STANDARD [illegible]-YEAR MINIMUM PERIOD
3. LAMINATED GLASS: MANUFACTURER'S STANDARD FOUR-YEAR MINIMUM PERIOD

PART 2 - PRODUCTS

[illegible] MANUFACTURERS

A. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ZELEDYNE GLASS PRODUCTS, PPG INDUSTRIES (GLASS GROUP), GUARDIAN INDUSTRIES CORP., VIRACON INC.

B. HURRICANE / IMPACT RESISTANT GLASS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ARCH ALUMINUM AND GLASS CO., INC, GLASSLAM, N.G.I., INSULGARD CORP., INTERPANE, SAFLEX, VIRACON, INC.

2.1 GLASS PRODUCTS

A. 1/4" CLEAR TEMPERED FLOAT GLASS: GRADE B (FULLY TEMPERED), STYLE I (UNCOATED SURFACES), TYPE I, QUALITY Q3, CLASS I

B. HURRICANE / IMPACT RESISTANT GLASS: 1 5/16" INSULATED, LAMINATED GLASS CONSISTING OF : 1/4" TEMPERED GLASS, 1/2" AIR SPACE, 2 LAYERS OF 1/4" HEAT STRENGTHENED GLASS LAMINATED TOGETHER WITH A TEST COMPLIANT INTERLAYER.

1. ACCEPTABLE PRODUCTS: ARCH ALUMINUM IMPACT RESISTANT GLASS, GLASSLAM N.G.I., INC.; SAFETY PLUS, INSULGARD CORP.; COASTGARD, INTERPANR GLASS; SECUREPLANE, SAFLEX HURRICANE IMPACT RESISTANT GLASS, VIRACON; HRG-2.

2. PERFORMANCE CHARACTERISTICS:
a. VISIBLE LIGHT TRANSMITTANCE: 65 TO 67 PERCENT
b. VISABLE LIGHT REFLECTANCE: 6 TO 7 PERCENT
c. TOTAL SOLAR ENERGY TRANSMITTANCE: 34 TO 36 PERCENT
d. TOTAL SOLAR ENERGY REFLECTANCE: 5 TO 7 PERCENT
e. UV TRANSMITTANCE: 14 TO 16 PERCENT
f. SUMMER U-VALUE: 1.11
g. WINTER U-VALUE: 1.09
h. SOLAR HEAT GAIN COEFFICIENT: 0.51
i. SHADING COEFFICIENT: 0.59 TO 0.60

2.2 GLAZING GASKETS / TAPE

A. GLAZING GASKETS: ASTM C864, RESILIENT POLYVINYL CHLORIDE, EXTRUDED SHAPE TO FIT GLAZING CHANNEL RETAINING SLOT; BLACK COLOR.
B. GLAZING TAPE: CLOSED CELL POLYVINYL CHLORIDE FOAM, MAXIMUM WATER ABSORPTION BY VOLUME 2 PERCENT, DESIGNDED FOR 25 PERCENT COMPRESSION FOR AIR BARRIER VAPOR RETARDER SEAL, BLACKCOLOR, COILED ON RELEASE PAPER OVER ADHESIVE ON TWO SIDES; WIDTHS REQUIRED FOR SPECIFIC INSTALLATION
C. GLAZING TAPE: BUTYL COMPOUND TAPE WITH INTEGRAL RESILIENT TUBE SPACER, 10 TO 15 SHORE A DUROMETER HARDNESS, BLACK COLOR, COILED ON RELEASE PAPER, WIDTHS REQUIRED FOR SPECIFIC INSTALLATION.

2.3 MISCELLANEOUS GLAZING MATERIALS

A. COMPATIBILITY: ALL MATERIALS SHALL BE COMPATIBLE WITH SURFACES CONTACTED IN INSTALLATION
B. CLEANERS, PRIMERS AND SEALERS: AS RECOMMENDED BY SEALANT/GASKET MANUFACTURER.
C. SETTING BLOCKS: ASTM C 864 NEOPRENE, 80 TO 90 SHORE A DUROMETER HARDNESS; LENGTH 4 INCHES, WIDTH OF GLAZING RABBET SPACE LESS 1/16 INCH, HEIGHT REQUIRED FOR GLAZING METHOD, PANE WEIGHT AND PANE AREA.
D. SPACERS: SHIMS: ASTM C 864: NEOPRENE, 50 TO 60 SHORE A DUROMETER HARDNESS; LENGTH 3 INCHES, ONE HALF HEIGHT OF GLAZING STOP, THICKNESS REQUIRED FOR APPLICATION, ONE FACE SELF-ADHESIVE.
E. GLAZING SPLINES: ASTM C 864, RESILIENT POLYVINYL CHORIDE, EXTRUDED SHAPE TO FIT GLAZING CHANNEL RETAINING SLOT; BLACK COLOR

SECTION 08800 - GLAZING [cont.]

PART 3 - EXECUTION

3.1 PREPARATION / INSTALLATION

A. CLEAN GLAZING / FRAMING MEMBERS IMMEDIATELY BEFORE GLAZING TO REMOVE ALL DETRIMENTAL SUBSTANCES
B. ADJUST GLAZING CHANNEL DIMENSIONS AS REQUIRED BY CONDITIONS FOR PROPER BITE, EDGE/FACE CLEARANCES, AND SEAL THICKNESS
C. INSTALL PROPERLY SIZED SETTING BLOCKS IN SILL RABBET AT ONE QUARTER OF GLASS WIDTH FROM EACH CORNER, BUT NOT CLOSER THAN 6 INCHES UNLESS NOTED. SET BLOCKS IN THIN COURSE OF SEALANT SUITABLE FOR HEEL BEAD USE.
D. PROVIDE SPACERS AND EDGE BLOCKS, CORRECTLY SIZED FOR CONDITIONS. PROVIDE 1/8 INCH MINIMUM BITE OF SPACERS ON GLASS.
E. MITER WEDGE-SHAPED GASKETS AT CORNERS, PREVENT PULL AWAY AT CORNERS, SEAL CORNER AND BUTT JOINTS AS RECOMMENDED BY GASKET MANUFACTURER.
F. TRIM SIGHT EXPOSED TAPE FLUSH WITH STOP AND FINISH SEALANT FLUSH WITH SIGHT LINE

3.2 PRTOECTION AND CLEANING

A. PROTECT GLASS FROM CONTAMINATING SUBSTANCES
B. REMOVE AND REPLACE BROKEN, CHIPPED, CRACKED, ABRADED OR DAMAGED GLASS
C. REMOVE LABELS AND WASH GLASS ON BOTH FACES PRIOR TO FINAL ACCEPTANCE
D. REMOVE GLAZING MATERIALS FROM FINISHED SURFACES

END OF SECTION 08800

SECTION 09220 - EXTERIOR PORTLAND CEMENT PLASTER

PART I - GENERAL

1.01 QUALITY ASSURANCE

A. COMPLY WITH ASTM C-926-98A AS APPLICABLE AND "PLASTER, METAL FRAMING SYSTEM, LATH MANUAL", LATEST EDITION.
B. FIRE-RESISTANCE: COMPLY WITH AUTHORITIES HAVING JURISDICTION.
C. ALLOWABLE TOLERANCES: DO NOT EXCEED 1/8 INCH IN 10 FT. FOR BOW, WRAP, PLUMB OR LEVEL.
D. SOURCE: OBTAIN LATH AND PLASTER MATERIALS FROM A SINGLE MANUFACTURER.
E. LOW SUCTION AND OTHER SUBSTRATES WHERE PROPER BOND IS QUESTIONABLE SHALL BE LATHED BEFORE PLASTERING.

F. REMOVE COATINGS DETRIMENTAL TO STUCCO I.E.; PAINT, GLAZE, ETC., FROM MASONRY SUBSTRATES OR INSTALL LATH BEFORE PLASTERING.

1.02 SUBMITTALS

A. PROVIDE TWO 12" X 12" SAMPLES OF EACH COLOR AND FINISH TO BE APPLIED.

1.03 PROJECT CONDITIONS

A. PROTECT ADJOINING WORK FROM SOILING, SPATTERS, MOISTURE, OR OTHER DAMAGE.
B. PROTECT PLASTER FROM FREEZING AND FROM UNEVEN AND EXCESSIVE EVAPORATION. PROVIDE COVERINGS, MOIST CURING, PROTECTION FROM WIND AND SUNLIGHT OR OTHER NECESSARY PROTECTION.

PART II - PRODUCTS

2.01 SUPPORT SYSTEMS

A. PROVIDE METAL OR WOOD SUPPORT SYSTEMS AS REQUIRED BY THE ARCHITECT OF RECORD AND OF SUFFICIENT STRENGTH TO CARRY ALL ASSOCIATED LOADS.
B. CHANNELS: COLD ROLLED STEEL, 16-GA. MIN. THICKNESS, PROTECTED WITH RUST-INHIBITIVE PAINT OR GALVANIZED. PROVIDE GALVANIZED CHANNELS FOR INSTALLATIONS IN SALT AIR ENVIRONMENTS.
1. CARRYING CHANNELS: MINIMUM 1-1/2" DEEP X 7/16" WIDE FLANGES.
2. FURRING CHANNELS: MINIMUM 3/4" DEEP X 7/16" WIDE FLANGES.
3. HAT CHANNELS: MINIMUM 26 GAGE.
C. HANGING AND TILE WIRE: AS REQUIRED BY ARCHITECT OF RECORD TO CARRY ALL ASSOCIATED LOADS.
D. FASTENERS: NAILS, SCREWS AND WIRE TIES AS REQUIRED BY ARCHITECT OF RECORD TO CARRY ALL ASSOCIATED LOADS.

A. ASPHALT PAPER-BACKED DIAMOND MESH METAL LATH (SMALL MESH, APPROX. 11,000 MESHES PER SQ. YD.), CONFORMING TO FEDERAL SPEC. UU-B-790A; TYPE 1, GRADE B, STYLE 2.
WEIGHT: 3.4 LBS. PER SQ. YD.
TYPE: SELF-FURRING.

B. WOVEN WIRE LATH: GALVANIZED STEEL WIRE, 18 GAGE FOR 1" MESH, 17 GAGE FOR 1-1/2" MESH.
C. WATER PROOF PAPER: U.U.B-790, MINIMUM WEIGHT 15 LBS./100 SQ. FT.
D. FASTENERS: NAILS; GALVANIZED WITH 7/16" HEADS MINIMUM, LENGTH TO PENETRATE INTO WOOD 7/8" MINIMUM.

SCREWS; GALVANIZED WITH 7/16" HEADS MINIMUM, LENGTH TO PENETRATE STEEL FRAMING 1/2" MINIMUM.
E. ACCESSORIES: PROVIDE MINIMUM 26 GAGE, GALVANIZED METAL CORNER REINFORCEMENT, STRIP LATH, CASING BEADS (24 GAGE MIN.), PREFABRICATED CONTROL JOINTS AND DRIP SCREEDS.

2.03 PLASTERING MATERIALS

A. PORTLAND CEMENT: ASTM C-150, TYPE I OR II.
B. HYDRATED LIME: ASTM C-206.
C. AGGREGATE: FOR BASE COATS AND FINISH COATS, COMPLY WITH ASTM C-144. USE WASHED OTTAWA SILICA SAND FOR FINISH COATS.

2.04 PORTLAND CEMENT PLASTER MIXES

A. THREE COAT WORK OVER METAL LATH, PROVIDE MECHANICALLY MIXED PROPORTIONS ACCORDING TO ASTM C-926 AS FOLLOWS: 1. SCRATCH COAT: ONE PART PORTLAND CEMENT, 1/4 PART HYDRATED LIME, 3 -1/2 PARTS AGGREGATE (REINFORCING FIBERS NOT TO EXCEED 3% OF PORTLAND CEMENT).
2. BROWN COAT: ONE PART PORTLAND CEMENT, 1/4 PART HYDRATED LIME, 4-1/2" PARTS. AGGREGATE.
3. FINISH COAT: (SEE ARTICLE 2.03, C.1. FOR FIELD AND ACCENT COLORS)
A. CLASS PB, E.I.F.S. SYSTEM, 100 % ACRYLIC RESIN BASED, FACTORY MIXED, INTEGRALLY PIGMENTED FINISH COAT APPLIED OVER E.I.F.S. MANUFACTURER'S TINTABLE PRIMER. ACCEPTABLE MANUFACTURERS: DRYVIT, PAREX, SENERGY AND STO. B.
B. SONNEBORN, SONOWALL®, STUCCOTEX® TEXTURED ACRYLIC FINISH COAT WITH FACTORY PREPARED COLOR.
C. ONE PART PORTLAND CEMENT, 1/2 PART HYDRATED LIME, 3-4 PARTS. AGGREGATE.
NOTE: FOR FACTORY PREPARED FINISH COATS, ADD WATER ONLY, PER MANUFACTURER'S INSTRUCTIONS.

2.05 MISCELLANEOUS METALS

A. BONDING AGENTS: "ACRYL 60" BY STANDARD DRYWALL PRODUCTS [illegible] OR EQUAL.
B. FIBERGLASS REINFORCEMENT: ALKALINE RESISTANT 1/2" LONG STRANDS.

PART III - EXECUTION

3.01 ACCESSORY APPLICATION

A. CORNER BEAD: APPLY TO ALL VERTICAL AND HORIZONTAL EXTERIOR CORNERS.
B. CASING BEAD: INSTALL AT ALL LOCATIONS WHERE STUCCO TERMINATES AGAINST DISSIMILAR MATERIALS.
C. CONTROL JOINTS: BREAK BASE BEHIND JOINT AND BACK BY DOUBLE STUDS. SPACE CONTROL JOINTS NOT EXCEEDING 10 FT. IN EITHER DIRECTION. WHERE VERTICAL AND HORIZONTAL JOINTS INTERSECT, BUTT HORIZONTAL JOINT TO CONTINUOUS VERTICAL JOINT. CAULK SPLICES AND INTERSECTIONS.
D. REINFORCING: APPLY STRIPS OF METAL LATH ACROSS JOINTS BETWEEN DISSIMILAR PLASTER BASES, AT UN-LAPPED INTERIOR CORNERS AND DIAGONALLY AROUND CORNERS OF ALL OPENINGS.

3.02 INSTALLATION

A. STUCCO APPLIED TO METAL LATH SHALL BE FULLY EMBEDDED AND COMPLETELY KEYED.
B. MASONRY SUBSTRATES WITH [illegible] SUCTION SHALL BE DAMPENED PRIOR TO PLASTER APPLICATION.

2.02 LATH 1. APPLY IN TWO COATS, BROWN COAT AND FINISH COAT.
2 APPLY BASE COAT IN TWO STEPS USING "DOUBLE-BACK" METHOD TO 1/2" THICKNESS.
C. PROPER CONCRETE SUBSTRATES SHALL RECEIVE BONDING AGENT PRIOR TO PLASTER APPLICATION.
1. APPLY IN TWO COATS, BROWN COAT AND FINISH COAT.

3.03 PLASTER THICKNESS & TEXTURE

A. SCRATCH COAT: ON METAL REINFORCING 1/2" THICK MINIMUM.
B. BROWN COAT: 3/8" THICKNESS.
C. FINISH COAT: APPLY 1/8" MINIMUM THICKNESS. INCREASE THICKNESS AS REQUIRED TO ACHIEVE REQUIRED TEXTURE AND AGGREGATE EMBEDMENT.
D. TEXTURE: "MEDIUM SAND FLOAT"
E. AVOID EXCESSIVE TROWEL MARKS.

3.04 CLEANING AND PROTECTION

A. REMOVE PLASTER FROM OTHER WORK NOT TO BE PLASTERED. REPAIR/REPLACE ANY SURFACE DAMAGED BY PLASTERING WORK
B. PLASTER MUST BE UN-DAMAGED AT TIME OF FINAL ACCEPTANCE

SECTION 09260 - GYPSUM BOARD ASSEMBLIES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. SUBMITTALS: PRODUCT DATA.

B. STC-RATED ASSEMBLIES: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO ASSEMBLIES WHOSE STC RATINGS WERE DETERMINED ACCORDING TO ASTM E 90 AND CLASSIFIED ACCORDING TO ASTM E 413 BY A QUALIFIED INDEPENDENT TESTING AGENCY.

C. FIRE-RESISTANCE-RATED ASSEMBLIES: PROVIDE MATERIALS AND CONSTRUCTION IDENTICAL TO ASSEMBLIES TESTED ACCORDING TO ASTM E 119 BY AN INDEPENDENT TESTING AND INSPECTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

PART 2 - PRODUCTS

2.1 METAL FRAMING AND SUPPORTS

A. SUSPENDED AND FURRED CEILINGS: COMPLY WITH ASTM C 645 AND ASTM C 754.

1. WIRE TIES: ASTM A 641 (ASTM A 641M), CLASS 1 ZINC COATING, SOFT TEMPER, 0.062 INCH (1.6 MM) THICK.
2. HANGERS: WIRE, ASTM A 641 (ASTM A 641M), CLASS 1 ZINC COATING, SOFT TEMPER, 0.162-INCH (4.2-MM) DIAMETER.
3. CARRYING CHANNELS: COLD-ROLLED STEEL.
4. FURRING CHANNELS: COLD-ROLLED CHANNELS;STEEL STUDS, 0.0179-INCH- (0.45-MM-) THICK IN DEPTH INDICATED; STEEL RIGID HAT-SHAPED CHANNELS, OR RESILIENT FURRING CHANNELS, WITH SINGLE- OR DOUBLE-LEG CONFIGURATION; SEE DRAWINGS.
5. HOT-DIP GALVANIZED COATING COMPLYING WITH ASTM A 653, G40 (ASTM A 653M, Z90) FOR FRAMING EXTERIOR SOFFITS AND SUSPENDED CEILINGS WITHIN 10 FEET (3 M) OF EXTERIOR WALLS.
6. DIRECT-HUNG GRID SUSPENSION SYSTEM FOR INTERIOR CEILINGS.

B. PARTITIONS: COMPLY WITH ASTM C 645.

1. STUDS AND RUNNERS: AS INDICATED IN DRAWINGS.
2. RIGID HAT-SHAPED FURRING CHANNELS: IN DEPTH INDICATED AND 0.0179-INCH (0.45-MM) THICK, UNLESS OTHERWISE INDICATED.
3. FURRING BRACKETS: ADJUSTABLE SERRATED-ARM TYPE FABRICATED FROM CORROSION-RESISTANT STEEL SHEET 0.0329-INCH (0.84-MM) THICK.
4. RESILIENT FURRING CHANNELS: 1/2-INCH- (12.7-MM-) DEEP, WITH SINGLE- OR DOUBLE-LEG.
5. Z-FURRING: Z-SHAPED MEMBERS WITH FACE FLANGE OF 1-1/4 INCH (31.8 MM), WALL-ATTACHMENT FLANGE OF 7/8 INCH (22.2 MM), AND IN DEPTH REQUIRED BY INSULATION.
6. HOT-DIP GALVANIZED COATING COMPLYING WITH ASTM A 653, G40 (ASTM A 653M, Z90) FOR FRAMING MEMBERS ATTACHED TO AND WITHIN 10 FEET (3 M) OF EXTERIOR WALLS.

2.2 GYPSUM BOARD

A. GYPSUM BOARD PRODUCTS IN MAXIMUM LENGTHS AVAILABLE TO MINIMIZE END-TO-END BUTT JOINTS.

1. GYPSUM WALLBOARD: ASTM C 36, IN THICKNESS INDICATED, WITH MANUFACTURER'S STANDARD EDGES. REGULAR TYPE, UNLESS OTHERWISE INDICATED.
2. EXTERIOR GYPSUM SOFFIT BOARD: ASTM C 931, IN THICKNESS INDICATED, WITH MANUFACTURER'S STANDARD EDGES. REGULAR TYPE, UNLESS OTHERWISE INDICATED.
3. WATER-RESISTANT GYPSUM BACKING BOARD: ASTM C 630, IN THICKNESS INDICATED. REGULAR TYPE, UNLESS OTHERWISE INDICATED.

2.3 ACCESSORIES

A. TRIM ACCESSORIES: CORNERBEAD, EDGE TRIM, AND CONTROL JOINTS COMPLYING WITH ASTM C 1047, FORMED FROM STEEL SHEET ZINC COATED BY HOT-DIP PROCESS OR ROLLED ZINC OR PLASTIC.
B. ALUMINUM ACCESSORIES: EXTRUDED-ALUMINUM ACCESSORIES INDICATED WITH MANUFACTURER'S STANDARD CORROSION-RESISTANT PRIMER.
C. GYPSUM BOARD JOINT TREATMENT MATERIALS: COMPLY WITH ASTM C 475. PAPER REINFORCING TAPE AND SETTING-TYPE COMPOUNDS.
D. CEMENTITIOUS BACKER UNITS: ANSI A118.9.
E. CEMENTITIOUS BACKER UNIT JOINT TREATMENT MATERIALS: COMPLY WITH ANSI [illegible].
F. ACOUSTICAL SEALANT FOR EXPOSED AND CONCEALED JOINTS: NONSAG, PAINTABLE, NONSTAINING LATEX SEALANT COMPLYING WITH ASTM C 834.
G. SOUND-ATTENUATION BLANKETS: UNFACED MINERAL-FIBER BLANKET INSULATION COMPLYING WITH ASTM C 665 FOR TYPE I.
H. POLYSTYRENE AGGREGATE TEXTURE FINISH WHERE INDICATED.
I. MISCELLANEOUS MATERIALS: AUXILIARY MATERIALS FOR GYPSUM BOARD CONSTRUCTION THAT COMPLY WITH REFERENCED STANDARDS.

PART 3 - EXECUTION

3.1 INSTALLATION

A. INSTALL STEEL FRAMING TO COMPLY WITH ASTM C 754 AND WITH ASTM C 840 REQUIREMENTS THAT APPLY TO FRAMING INSTALLATION.

1. ISOLATE STEEL FRAMING FROM BUILDING STRUCTURE, EXCEPT AT FLOORS, TO PREVENT STRUCTURAL MOVEMENT FROM TRANSFERRING LOADING TO PARTITIONS.
2. WHERE STUDS ARE INSTALLED DIRECTLY AGAINST EXTERIOR WALLS, INSTALL ASPHALT FELT STRIPS OR FOAM GASKETS BETWEEN STUDS AND WALL.

B. INSTALL AND FINISH GYPSUM PANELS TO COMPLY WITH ASTM C 840 AND GA-216.

1. ISOLATE THE PERIMETER OF NON-LOAD-BEARING GYPSUM BOARD PARTITIONS WHERE THEY ABUT STRUCTURAL ELEMENTS, EXCEPT FLOORS, BY PROVIDING A 1/4- TO 1/2-INCH- (6.4- TO 12.7-MM-) WIDE SPACE BETWEEN GYPSUM BOARD AND THE

STRUCTURE. TRIM EDGES WITH U-BEAD EDGE TRIM WHERE EDGES OF GYPSUM PANELS ARE EXPOSED. SEAL JOINTS BETWEEN EDGES AND ABUTTING STRUCTURAL SURFACES WITH ACOUSTICAL SEALANT.
2. STC-RATED ASSEMBLIES: COMPLY WITH ASTM C 919 FOR LOCATION OF EDGE TRIM AND CLOSING OFF SOUND-FLANKING PATHS AROUND OR THROUGH GYPSUM BOARD ASSEMBLIES.
3. FIRE-RESISTANCE-RATED ASSEMBLIES: COMPLY WITH REQUIREMENTS OF LISTED ASSEMBLIES.
4. CEMENTITIOUS BACKER UNITS: COMPLY WITH ANSI A108.11.
5. SINGLE-LAYER FASTENING METHODS: FASTEN GYPSUM PANELS TO SUPPORTS WITH SCREWS.
6. MULTILAYER FASTENING METHODS: FASTEN PER SPECIFIED ASSEMBLY REQUIREMENTS

C. FINISHING GYPSUM BOARD ASSEMBLIES: LEVEL 4 FINISH, UNLESS OTHERWISE INDICATED.

END OF SECTION 09260

SECTION 09900 - PAINTING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. SUMMARY: PAINT ALL EXPOSED SURFACES, UNLESS OTHERWISE INDICATED.
1. PAINT THE BACK SIDE OF ACCESS PANELS.
2. COLOR CODE MECHANICAL PIPING IN ACCESSIBLE CEILING SPACES.
3. DO NOT PAINT PREFINISHED ITEMS, FINISHED METAL SURFACES, OPERATING PARTS, LABELS, AND MATERIALS OBVIOUSLY INTENDED TO BE LEFT EXPOSED SUCH AS BRICK AND TILE.
4. UNLESS OTHERWISE INDICATED DO NOT PAINT CONCEALED SURFACES.

B. SUBMITTALS: PRODUCT DATA AND COLOR SAMPLES.

C. MOCKUPS: FULL-COAT FINISH SAMPLE (BENCHMARK SAMPLE) OF EACH TYPE OF COATING, SUBSTRATE, COLOR, AND FINISH REQUIRED IN AREA OF NOT LESS THAN 100 SQ. FT (9 SQ. M). COMPLY WITH PDCA P5.

D. OBTAIN BLOCK FILLERS, PRIMERS, AND UNDERCOAT MATERIALS FOR EACH COATING SYSTEM FROM THE SAME MANUFACTURER AS THE FINISH COATS.

E. EXTRA MATERIALS: DELIVER TO OWNER A 1-GAL. (3.8-L) CONTAINER, PROPERLY LABELED AND SEALED, OF EACH COLOR AND TYPE OF FINISH COAT PAINT USED ON PROJECT.

PART 2 - PRODUCTS

2.1 PAINT

A. SEE DRAWINGS
1. COLORS: AS SELECTED OR AS SCHEDULED.

B. MATERIAL QUALITY: MANUFACTURER'S BEST-QUALITY OF COATING TYPES SPECIFIED.

C. MATERIAL COMPATIBILITY: COMPLETE SYSTEM OF COMPATIBLE COMPONENTS THAT IS RECOMMENDED BY MANUFACTURER FOR APPLICATION INDICATED.

PART 3 - EXECUTION

3.1 APPLICATION

A. COMPLY WITH PAINT MANUFACTURER'S WRITTEN INSTRUCTIONS FOR SURFACE PREPARATION, ENVIRONMENTAL AND SUBSTRATE CONDITIONS, PRODUCT MIXING, AND APPLICATION.

3.2 EXTERIOR/INTERIOR PAINT APPLICATION SCHEDULE

A. AS SHOWN BELOW AND ON DRAWINGS, IF NOT SHOWN, TO BE SPECIFIED BY OWNERS REP.
B. EXTERIOR WOOD - PAINTED
1. 1ST COAT - ALKYD EXTERIOR PRIMER
2. 2ND COAT - LATEX EXTERIOR TRIM
3. 3RD COAT - LATEX EXTERIOR TRIM
C. EXTERIOR CONCRETE, CONCRETE BLOCK, CEMENT PLASTER (STUCCO) AND EFIS
1. 1ST COAT - ACRYLIC MASONRY SEALER
2. 2ND COAT - LATEX EXTERIOR
3. 3RD COAT - LATEX EXTERIOR
D. EXTERIOR GYPSUM BOARD SOFFITS
1. 1ST COAT - LATEX EXTERIOR
2. 2ND COAT - LATEX EXTERIOR
E. EXTERIOR STEEL - SHOP PRIMED
1. TOUCH-UP PRIMER - ALKYD METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL
F. EXTERIOR STEEL - GALVANIVED
1. 1ST COAT - ACRYLIC METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL
G. INTERIOR WOOD - PAINTED
1. 1ST COAT - LATEX PRIMER
2. 2ND COAT - LATEX SEMI-GLOSS
3. 3RD COAT - LATEX SEMI-GLOSS
H. INTERIOR CONCRETE, CONCRETE BLOCK, AND CEMENT PLASTER
1. 1ST COAT - LATEX BLOCK FILLER
2. 2ND COAT - LATEX SEMI-GLOSS
3. 3RD COAT - LATEX SEMI-GLOSS
I. INTERIOR STEEL - UNPRIMED
1. 1ST COAT - ALKYD METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL
J. INTERIOR STEEL - PRIMED
1. TOUCH-UP PRIMER - ALKYD METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL
K. INTERIOR STEEL - GALVANIZED
1. 1ST COAT - ALKYD METAL PRIMER
2. 2ND COAT - ACRYLIC GLOSS ENAMEL
3. 3RD COAT - ACRYLIC GLOSS ENAMEL
L. INTERIOR PLASTER - NOT PAINTED UNLESS OTHERWISE NOTED.
M. INTERIOR WALLS - GYPSUM BOARD - NOT PAINTED EXCEPT TOILET ROOM INTERIORS.
N. INTERIOR FIRE RETARDANT
1. 1ST COAT - CODE COMPLIANT, FIRE RETARDANT PAINT

END OF SECTION 09910

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TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS

GUY F. FABER
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no.	date	revision descriptions

STARBUCKS
SHELL CONSTRUCTION
2500 MONUMENT ROAD
JACKSONVILLE, FL

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date

17047
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SPECIFICATIONS

A0.2