THERMAL AND MOISTURE PROTECTION

SECTION 072500 - WEATHER BARRIERS

1.1 MATERIALS
- A. BUILDING PAPER: WATER-VAPOR-PERMEABLE , ASPHALT-SATURATED KRAFT BUILDING PAPER. BUILDING WRAP: WITH FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF LESS THAN 25 AND 450, RESPECTIVELY, WHEN TESTED ACCORDING TO ASTM E 84; UV STABILIZED; AND ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
- B. BUILDING-WRAP TAPE: PRESSURE-SENSITIVE PLASTIC TAPE RECOMMENDED BY BUILDING-WRAP MANUFACTURER FOR SEALING JOINTS AND PENETRATIONS IN BUILDING WRAP.
- C. FLEXIBLE FLASHING: BUTYL RUBBER.

END OF SECTION 072500

THERMAL AND MOISTURE PROTECTION

SECTION 075423 - THERMOPLASTIC POLYOLEFIN (TPO) ROOFING

1.1 SUMMARY
- A. MECHANICALLY FASTENED MEMBRANE ROOFING SYSTEM WITH 20 YEAR WARRANTY.
- B. VAPOR RETARDER.
- C. ROOF INSULATION.

1.2 SUBMITTALS
- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
- B. SHOP DRAWINGS: FOR ROOFING SYSTEM. INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, AND ATTACHMENTS TO OTHER WORK.
  1. BASE FLASHINGS AND MEMBRANE TERMINATIONS.
  2. TAPERED INSULATION, INCLUDING SLOPES.
  3. INSULATION FASTENING PATTERNS.
- C. INSTALLER CERTIFICATES: SIGNED BY ROOFING SYSTEM MANUFACTURER CERTIFYING THAT INSTALLER IS APPROVED, AUTHORIZED, OR LICENSED BY MANUFACTURER TO INSTALL ROOFING SYSTEM.
- D. MANUFACTURER CERTIFICATES: SIGNED BY ROOFING MANUFACTURER CERTIFYING THAT ROOFING SYSTEM COMPLIES WITH REQUIREMENTS SPECIFIED IN "PERFORMANCE REQUIREMENTS" ARTICLE.
  1. SUBMIT EVIDENCE OF MEETING PERFORMANCE REQUIREMENTS.
- E. QUALIFICATION DATA: FOR INSTALLER AND MANUFACTURER.
- F. PRODUCT TEST REPORTS: BASED ON EVALUATION OF COMPREHENSIVE TESTS PERFORMED BY MANUFACTURER AND WITNESSED BY A QUALIFIED TESTING AGENCY, FOR COMPONENTS OF ROOFING SYSTEM.
- G. WARRANTIES: SPECIAL WARRANTIES SPECIFIED IN THIS SECTION.

1.3 PERFORMANCE REQUIREMENTS
- A. ROOFING SYSTEM DESIGN: UPLIFT PRESSURES CALCULATED ACCORDING TO ASCE/SEI 7.
- B. SOLAR REFLECTANCE INDEX: NOT LESS THAN 78.

1.4 EXTERIOR FIRE-TEST EXPOSURE: CLASS C MINIMUM.

1.5 MATERIALS
- A. THERMOPLASTIC POLYOLEFIN ROOFING MEMBRANE: WHITE, FABRIC-REINFORCED THERMOPLASTIC SHEET, 60 MILS (1.5 MM) THICK.
- B. SHEET FLASHING: SAME AS TPO SHEET.
- C. ROOF INSULATION: PREFORMED ROOF INSULATION BOARDS MANUFACTURED OR APPROVED BY EPDM ROOFING MANUFACTURER.
  1. TAPERED BOARDS: 1/4 INCH PER 12 INCHES(1:48).

1.6 INSTALLATION
- A. ROOFING MEMBRANE: MECHANICALLY FASTENED.
  1. ATTACHMENT METHOD FOR MECHANICALLY FASTENED: IN SPLICE.

1.7 FIELD QUALITY CONTROL
- A. TESTING AGENCY: OWNER ENGAGED.

END OF SECTION 075423

THERMAL AND MOISTURE PROTECTION

SECTION 076200 - SHEET METAL FLASHING AND TRIM

1.1 MATERIALS
- A. SHEET METALS:
  1. COPPER SHEET: MILL FINISH.
  2. STAINLESS-STEEL SHEET, TYPE 304: 4 (DIRECTIONAL SATIN) FINISH WITH SMOOTH, FLAT SURFACE.
  3. METALLIC-COATED STEEL SHEET: PROVIDE ZINC-COATED (GALVANIZED) STEEL SHEET ACCORDING TO ASTM A 653/A 653M, G90 (Z275) COATING DESIGNATION; PREPAINTED BY COIL-COATING PROCESS TO COMPLY WITH ASTM A 755/A 755M.
     a. SURFACE: MANUFACTURER'S STANDARD CLEAR ACRYLIC COATING ON BOTH SIDES.
     b. COIL-COATED FINISH: TWO-COAT FLUOROPOLYMER.
- B. UNDERLAYMENT: FELTS.

1.2 PRODUCTS
- A. FORMED LOW-SLOPE ROOF FABRICATIONS: INCLUDING COPINGS, ROOF EXPANSION-JOINT COVERS, COUNTERFLASHING, FLASHING RECEIVERS, ROOF-PENETRATION FLASHING AND ROOF-DRAIN FLASHING.
- B. FORMED WALL FABRICATIONS: INCLUDING THROUGH-WALL FLASHING, OPENING FLASHINGS IN FRAME CONSTRUCTION, AND WALL EXPANSION-JOINT COVER.
- C. MISCELLANEOUS FORMED FABRICATIONS: INCLUDING EQUIPMENT SUPPORT FLASHING.

END OF SECTION 076200

THERMAL AND MOISTURE PROTECTION

SECTION 077200 - ROOF ACCESSORIES

1.1 PRODUCTS
- A. ROOF CURBS: INSULATED.
  1. HEIGHT: MINIMUM 12 INCHES (300 MM) ABOVE ROOFING SURFACE UNLESS OTHERWISE INDICATED.
  2. NAILER: FACTORY-INSTALLED WOOD NAILER ALONG TOP FLANGE OF CURB, CONTINUOUS AROUND CURB PERIMETER.
- B. EQUIPMENT SUPPORTS: RAIL TYPE.
  1. HEIGHT: MINIMUM 12 INCHES (300 MM) ABOVE ROOFING SURFACE UNLESS OTHERWISE INDICATED.
- C. DUCT SUPPORTS: EXTRUDED ALUMINUM, URETHANE INSULATED.
- D. PIPE PORTALS: FLASHING TYPE, FORMED ALUMINUM WITH EPDM CAPS.
- E. PREFORMED FLASHING SLEEVES: EXHAUST VENT FLASHING AND VENT STACK FLASHING FABRICATED FROM ALUMINUM SHEET.

END OF SECTION 077200

THERMAL AND MOISTURE PROTECTION

SECTION 079200 - JOINT SEALANTS

1.1 MATERIALS
- A. VOC CONTENT OF INTERIOR SEALANTS: PROVIDE INTERIOR SEALANTS AND SEALANT PRIMERS THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENT WHEN CALCULATED ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24):
  1. SEALANTS: 250 G/L.
  2. SEALANT PRIMERS FOR NONPOROUS SUBSTRATES: 250 G/L.
  3. SEALANT PRIMERS FOR POROUS SUBSTRATES: 775 G/L.
- B. SUITABILITY FOR CONTACT WITH FOOD: WHERE SEALANTS ARE INDICATED FOR JOINTS THAT WILL COME IN REPEATED CONTACT WITH FOOD, PROVIDE PRODUCTS THAT COMPLY WITH 21 CFR 177.2600.
- C. ELASTOMERIC JOINT SEALANTS: LIQUID APPLIED, CHEMICALLY CURING; ASTM C 920.
  1. MULTICOMPONENT NONSAG NEUTRAL-CURING SILICONE SEALANT ES-1.
  2. SINGLE-COMPONENT MILDEW-RESISTANT NEUTRAL-CURING SILICONE SEALANT ES-2.
  3. SINGLE-COMPONENT MILDEW-RESISTANT ACID-CURING SILICONE SEALANT ES-3.
  4. SINGLE-COMPONENT MILDEW-RESISTANT ACID-CURING RTV SILICONE SEALANT ES-4.
  5. MULTICOMPONENT NONSAG POLYUREA SEALANT ES-5.
  6. MULTICOMPONENT NONSAG POLYUREA FILLER ES-6.
- D. LATEX SEALANT LS-1: COMPLY WITH ASTM C 834, TYPE P, GRADE NF.
- E. JOINT-SEALANT BACKING:

1.2 JOINT-SEALANT SCHEDULE
- A. JOINT-SEALANT APPLICATION JS-1: EXTERIOR HORIZONTAL NONTRAFFIC AND TRAFFIC ISOLATION AND CONTRACTION JOINTS IN CAST-IN-PLACE CONCRETE SLABS.
  1. JOINT SEALANT: ES-5.
- B. JOINT-SEALANT APPLICATION JS-2: EXTERIOR PERIMETER JOINTS BETWEEN WALL AND FRAMES OF DOORS AND WINDOWS.
  1. JOINT SEALANT: ES-1.
- C. JOINT-SEALANT APPLICATION JS-3: EXTERIOR CONTROL AND EXPANSION JOINTS IN HORIZONTAL TRAFFIC SURFACES OF BRICK PAVERS, CERAMIC TILE, STONE PAVING UNITS, CONCRETE TILE.
  1. JOINT SEALANT: MULTICOMPONENT POURABLE POLYSULFIDE SEALANT.
  2. JOINT-SEALANT COLOR: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
- D. JOINT-SEALANT APPLICATION JS-4: INTERIOR PERIMETER JOINTS OF EXTERIOR OPENINGS.
  1. JOINT SEALANT: ES-3.
- E. JOINT-SEALANT APPLICATION JS-5: INTERIOR CERAMIC TILE EXPANSION, CONTROL, CONTRACTION, AND ISOLATION JOINTS IN HORIZONTAL TRAFFIC SURFACES.
  1. JOINT SEALANT: ES-3.
  2. JOINT-SEALANT COLOR: AS NOTED.
- F. JOINT-SEALANT APPLICATION JS-6: INTERIOR JOINTS BETWEEN PLUMBING FIXTURES AND ADJOINING WALLS, FLOORS, AND COUNTERS.
  1. JOINT SEALANT: ES-3.
  2. JOINT-SEALANT COLOR: TRANSLUCENT.
- G. JOINT-SEALANT APPLICATION JS-7: VERTICAL JOINTS ON EXPOSED SURFACES OF INTERIOR PARTITIONS.
  1. JOINT SEALANT: ES-3.
- H. JOINT-SEALANT APPLICATION JS-8: PERIMETER JOINTS BETWEEN INTERIOR WALL SURFACES AND FRAMES OF INTERIOR DOORS, WINDOWS.
  1. JOINT SEALANT: ES-3.
- I. JOINT-SEALANT APPLICATION JS-9: HVAC JOINTS.
  1. JOINT SEALANT: ES-2.
  2. JOINT-SEALANT COLOR: ALUMINUM.
- J. JOINT-SEALANT APPLICATION JS-10: NON-POROUS MATERIAL TO NON-POROUS MATERIAL.
  1. JOINT SEALANT: ES-4.
  2. JOINT-SEALANT COLOR: CLEAR.

END OF SECTION 079200

DOORS AND WINDOWS

SECTION 081130 – HOLLOW METAL DOORS AND FRAMES

1.1 SUMMARY
- A. STANDARD HOLLOW METAL DOORS AND FRAMES.

1.2 SUBMITTALS
- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED. INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, CORE DESCRIPTIONS, FIRE-RESISTANCE RATING, TEMPERATURE-RISE RATINGS, AND FINISHES.
- B. SHOP DRAWINGS: INCLUDE THE FOLLOWING:
  1. ELEVATIONS OF EACH DOOR DESIGN.
  2. DETAILS OF DOORS, INCLUDING VERTICAL AND HORIZONTAL EDGE DETAILS AND METAL THICKNESSES.
  3. FRAME DETAILS FOR EACH FRAME TYPE, INCLUDING DIMENSIONED PROFILES AND METAL THICKNESSES.
  4. LOCATIONS OF REINFORCEMENT AND PREPARATIONS FOR HARDWARE.
  5. DETAILS OF EACH DIFFERENT WALL OPENING CONDITION.
  6. DETAILS OF ANCHORAGES, JOINTS, FIELD SPLICES, AND CONNECTIONS.
  7. DETAILS OF ACCESSORIES.
  8. DETAILS OF MOLDINGS, REMOVABLE STOPS, AND GLAZING.
  9. DETAILS OF CONDUIT AND PREPARATIONS FOR POWER, SIGNAL, AND CONTROL SYSTEMS.

1.3 INTERIOR FRAMES
- A. STANDARD-DUTY FRAMES: SDI A250.8, LEVEL 1. AT LOCATIONS INDICATED IN THE DOOR AND FRAME SCHEDULE.
  1. PHYSICAL PERFORMANCE: LEVEL C ACCORDING TO SDI A250.4.
  2. FRAMES:
     a. MATERIALS: UNCOATED, COLD-ROLLED STEEL SHEET, MINIMUM THICKNESS OF 0.042 INCH (1.0 MM).
     b. CONSTRUCTION: KNOCKED DOWN.

1.4 EXTERIOR HOLLOW-METAL DOORS AND FRAMES
- A. HEAVY-DUTY DOORS AND FRAMES: SDI A250.8, LEVEL 2. AT LOCATIONS INDICATED IN THE DOOR AND FRAME SCHEDULE.
  1. PHYSICAL PERFORMANCE: LEVEL B ACCORDING TO SDI A250.4, UL 752 LEVEL 2 BULLET RESISTANT.
  2. DOORS:
     a. TYPE: AS INDICATED IN THE DOOR AND FRAME SCHEDULE.
     b. THICKNESS: 1-3/4 INCHES (44.5 MM.)
     c. FACE: METALLIC-COATED STEEL SHEET, WITH MINIMUM A40 (ZF120) COATING.
     d. EDGE CONSTRUCTION: MODEL 1, FULL FLUSH.
     e. CORE: MANUFACTURER'S STANDARD KRAFT-PAPER HONEYCOMB, POLYSTYRENE, POLYURETHANE, POLYISOCYANURATE, MINERAL-BOARD, OR VERTICAL STEEL-STIFFENER CORE AT MANUFACTURER'S DISCRETION.
  3. FRAMES:
     a. MATERIALS: METALLIC-COATED STEEL SHEET, MINIMUM THICKNESS OF 0.053 INCH (1.3 MM), WITH MINIMUM A40 (ZF120) COATING.
- B. FINISHES: FACTORY PRIMING FOR FIELD PAINTING.

1.5 INSTALLATION
- A. METAL-STUD PARTITIONS AND CONCRETE WALLS: FRAMES FILLED WITH INSULATION.
- B. MASONRY WALLS: FRAMES FILLED WITH GROUT.

END OF SECTION 081130

DOORS AND WINDOWS

SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

1.1 PERFORMANCE REQUIREMENTS
- A. DELEGATED DESIGN: CONTRACTOR TO DESIGN ALUMINUM-FRAMED SYSTEMS.
- B. DEFLECTION OF FRAMING MEMBERS:
  1. DEFLECTION NORMAL TO WALL PLANE: LIMITED TO L/175.
  2. DEFLECTION PARALLEL TO GLAZING PLANE: LIMITED TO L/360 OR 1/8 INCH (3.2 MM), WHICHEVER IS SMALLER.
- C. AIR INFILTRATION:
  1. FIXED FRAMING AND GLASS AREA: MAXIMUM AIR LEAKAGE OF 0.06 CFM/SQ. FT. (0.30 L/S PER SQ. M) AT A STATIC-AIR-PRESSURE DIFFERENTIAL OF 1.57 LBF/SQ. FT. (75 PA).
  2. ENTRANCE DOORS:
- A. PAIR OF DOORS: MAXIMUM AIR LEAKAGE OF 1.0 CFM/SQ. FT. (5.08 L/S PER SQ. M) AT A STATIC-AIR-PRESSURE DIFFERENTIAL OF 1.57 LBF/SQ. FT. (75 PA).
- B. SINGLE DOORS: MAXIMUM AIR LEAKAGE OF 0.5 CFM/SQ. FT. (2.54 L/S PER SQ. M) AT A STATIC-AIR-PRESSURE DIFFERENTIAL OF 1.57 LBF/SQ. FT. (75 PA).

1.2 SUBMITTALS
- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.
- B. SHOP DRAWINGS: INCLUDE PLANS, ELEVATIONS, SECTIONS, FULL-SIZE DETAILS, AND ATTACHMENTS TO OTHER WORK.
  1. SHOW CONNECTION TO AND CONTINUITY WITH ADJACENT THERMAL, WEATHER, AIR, AND VAPOR BARRIERS.
- C. SAMPLES: FOR EACH EXPOSED FINISH REQUIRED.
- D. ENERGY PERFORMANCE CERTIFICATES.

1.3 MATERIALS
- A. ALUMINUM: ALLOY AND TEMPER RECOMMENDED BY MANUFACTURER.
- B. STEEL REINFORCEMENT.

1.4 SYSTEM COMPONENTS
- A. FRAMING MEMBERS:
  1. CONSTRUCTION: THERMALLY BROKEN.
  2. GLAZING SYSTEM: GASKETS ON FOUR SIDES.
  3. GLAZING PLANE: FRONT.
- B. GLAZING: SECTION 088000 "GLAZING."
- C. ENTRANCE DOORS:
  1. DOOR CONSTRUCTION: 1-3/4-INCH (44.5-MM) OVERALL THICKNESS.
  2. DOOR DESIGN: AS INDICATED.
- D. ENTRANCE DOOR HARDWARE: AS SCHEDULED.

END OF SECTION 084113

DOORS AND WINDOWS

SECTION 087100 - DOOR HARDWARE

1.1 SUMMARY
- A. COMMERCIAL DOOR HARDWARE FOR SWINGING DOORS.
- B. OTHER DOORS TO THE EXTENT INDICATED.
- C. CYLINDERS FOR DOORS SPECIFIED IN OTHER SECTIONS.

1.2 SUBMITTALS
- A. PRODUCT DATA: INCLUDE CONSTRUCTION AND INSTALLATION DETAILS, MATERIAL DESCRIPTIONS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES, AND FINISHES.

1.3 WARRANTY
- A. WARRANTY PERIOD: ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION, EXCEPT AS FOLLOWS:
  1. MANUAL CLOSERS: 25 YEARS FROM DATE OF INVOICE.
  2. CYLINDRICAL LOCKSETS: TWO YEARS FROM DATE OF INVOICE.
  3. EXIT DEVICES: FIVE YEARS FROM DATE OF INVOICE.

1.4 MAINTENANCE SERVICE
- A. FULL-MAINTENANCE SERVICE: SIX MONTHS.

1.5 PRODUCTS
- A. CYLINDERS AND KEYING:
  1. CONSTRUCTION KEYING: CONSTRUCTION CORES.
  2. KEYING SYSTEM:
     a. GRAND MASTER KEY.
     b. LOCKS MASTER KEYED OR GRAND MASTER KEYED TO EXISTING SYSTEM.
     c. ALL CYLINDERS KEYED ALIKE.
     d. KEYS: NICKEL SILVER.
        1) STAMPING: PERMANENTLY INSCRIBE EACH KEY WITH A LOCKNET KEY CONTROL NUMBER, STATE CODE, AND INCLUDE THE FOLLOWING NOTATION:
           a) NOTATION: "DO NOT DUPLICATE."
        2) QUANTITY: IN ADDITION TO ONE EXTRA KEY BLANK FOR EACH LOCK, PROVIDE THE FOLLOWING:
           a) CYLINDER CHANGE KEYS: TWO.
           b) CONSTRUCTION KEYS: FOUR.
           c) MASTER KEYS: FOUR.
           d) GRAND MASTER KEYS: TWO.

1.6 FIELD QUALITY CONTROL
- A. INDEPENDENT ARCHITECTURAL HARDWARE CONSULTANT: OWNER ENGAGED TO PERFORM INSPECTIONS.
- B. OCCUPANCY ADJUSTMENT: THREE MONTHS.

END OF SECTION 087100

DOORS AND WINDOWS

SECTION 088000 - GLAZING

1.1 SUMMARY
- A. GLASS FOR WINDOWS, DOORS AND STOREFRONT FRAMING.

1.2 SUBMITTALS
- A. PRODUCT DATA: FOR EACH PRODUCT.
- B. PRODUCT CERTIFICATES: FOR GLASS.

1.3 MATERIALS
- A. SILICONE GLAZING SEALANTS: NEUTRAL OR BASIC CURING, CLASS 50, VOC LESS THAN 250 G/L.
- B. GLAZING TAPES: BACK-BEDDING-MASTICTYPE.
- C. GLAZING GASKETS: DENSE COMPRESSION.

1.4 MONOLITHIC GLASS SCHEDULE
- A. GLASS TYPE [GL-<1>]: LOW-E-COATED, CLEAR INSULATING GLASS.
  1. OUTDOOR LITE: ANNEALED FLOAT GLASS.
  2. INDOOR LITE: ANNEALED FLOAT GLASS.
- B. GLASS TYPE [GL-<2>]: LOW-E-COATED, CLEAR INSULATING GLASS.
  1. OUTDOOR LITE: FULLY TEMPERED FLOAT GLASS.
  2. INDOOR LITE: FULLY TEMPERED FLOAT GLASS.

END OF SECTION 088000

FINISHES

SECTION 092216 - NON-STRUCTURAL STEEL FRAMING

1.1 SUMMARY
- A. NON-LOAD-BEARING STEEL FRAMING MEMBERS FOR INTERIOR FRAMING SYSTEMS.

1.2 MATERIALS
- A. STEEL FRAMING FOR FRAMED ASSEMBLIES:
- B. FRAMING MEMBERS, GENERAL: COMPLY WITH ASTM C 754 FOR CONDITIONS INDICATED.
  1. STEEL SHEET COMPONENTS: COMPLY WITH ASTM C 645 REQUIREMENTS FOR METAL, UNLESS OTHERWISE INDICATED.
  2. PROTECTIVE COATING: COATING WITH EQUIVALENT CORROSION RESISTANCE OF ASTM A 653/A 653M, G40 (Z120), HOT-DIP GALVANIZED, UNLESS OTHERWISE INDICATED.

1.3 STEEL FRAMING FOR FRAMED ASSEMBLIES
- A. SALVAGED MATERIAL: USE SALVAGED FRAMING MATERIALS WHENEVER AVAILABLE.
- B. STEEL STUDS AND RUNNERS: ASTM C 645.
  1. MINIMUM BASE-METAL THICKNESS: 0.033 INCH (0.84 MM) UNLESS OTHERWISE INDICATED ON DRAWINGS.
  2. DEPTH: AS INDICATED ON DRAWINGS.
- C. DIMPLED STEEL STUDS AND RUNNERS:
  1. MINIMUM BASE-METAL THICKNESS: 0.025 INCH (0.64 MM).
  2. DEPTH: AS INDICATED ON DRAWINGS.
- D. SLIP-TYPE HEAD JOINTS: WHERE INDICATED, PROVIDE ONE OF THE FOLLOWING:
  1. SINGLE LONG-LEG RUNNER SYSTEM: ASTM C 645 TOP RUNNER WITH 2-INCH- (50.8-MM-) DEEP FLANGES IN THICKNESS NOT LESS THAN INDICATED FOR STUDS, INSTALLED WITH STUDS FRICTION FIT INTO TOP RUNNER AND WITH CONTINUOUS BRIDGING LOCATED WITHIN 12 INCHES (305 MM) OF THE TOP OF STUDS TO PROVIDE LATERAL BRACING.
  2. DOUBLE-RUNNER SYSTEM: ASTM C 645 TOP RUNNERS, INSIDE RUNNER WITH 2-INCH- (50.8-MM-) DEEP FLANGES IN THICKNESS NOT LESS THAN INDICATED FOR STUDS AND FASTENED TO STUDS, AND OUTER RUNNER SIZED TO FRICTION FIT INSIDE RUNNER.
  3. DEFLECTION TRACK: STEEL SHEET TOP RUNNER MANUFACTURED TO PREVENT CRACKING OF FINISHES APPLIED TO INTERIOR PARTITION FRAMING RESULTING FROM DEFLECTION OF STRUCTURE ABOVE; IN THICKNESS NOT LESS THAN INDICATED FOR STUDS AND IN WIDTH TO ACCOMMODATE DEPTH OF STUDS.
- E. COLD-ROLLED CHANNEL BRIDGING: 0.0538-INCH (1.37-MM) BARE-STEEL THICKNESS, WITH MINIMUM 1/2-INCH- (12.7-MM-) WIDE FLANGES.
  1. DEPTH: 1-1/2 INCHES (38.1 MM).
  2. CLIP ANGLE: NOT LESS THAN 1-1/2 BY 1-1/2 INCHES (38.1 BY 38.1 MM), 0.068-INCH- (1.73-MM-) THICK, GALVANIZED STEEL.
- F. HAT-SHAPED, RIGID FURRING CHANNELS: ASTM C 645.
  1. MINIMUM BASE METAL THICKNESS: AS INDICATED ON DRAWINGS.
  2. DEPTH: AS INDICATED ON DRAWINGS.
- G. COLD-ROLLED FURRING CHANNELS: 0.0538-INCH (1.37-MM) BARE-STEEL THICKNESS, WITH MINIMUM 1/2-INCH- (12.7-MM-) WIDE FLANGES.
  1. DEPTH: AS INDICATED ON DRAWINGS.
  2. FURRING BRACKETS: ADJUSTABLE, CORRUGATED-EDGE TYPE OF STEEL SHEET WITH MINIMUM BARE-STEEL THICKNESS OF 0.0312 INCH (0.79 MM).
  3. TIE WIRE: ASTM A 641/A 641M, CLASS 1 ZINC COATING, SOFT TEMPER, 0.0625-INCH- (1.59-MM-) DIAMETER WIRE, OR DOUBLE STRAND OF 0.0475-INCH- (1.21-MM-) DIAMETER WIRE.
- H. Z-SHAPED FURRING: WITH SLOTTED OR NONSLOTTED WEB, FACE FLANGE OF 1-1/4 INCHES (31.8 MM), WALL ATTACHMENT FLANGE OF 7/8 INCH (22.2 MM), MINIMUM BARE-METAL THICKNESS OF 0.0179 INCH (0.45 MM), AND DEPTH REQUIRED TO FIT INSULATION THICKNESS INDICATED.

END OF SECTION 092216

FINISHES

SECTION 092400 – PORTLAND CEMENT PLASTERING

1.1 SUBMITTALS
- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.
- B. SAMPLES FOR VERIFICATION: FOR EACH TYPE OF FACTORY-PREPARED FINISH COAT INDICATED; 12 BY 12 INCHES (305 BY 305 MM), AND PREPARED ON RIGID BACKING.

1.2 MATERIALS
- A. METAL LATH:
  1. EXPANDED-METAL LATH: SELF-FURRING DIAMOND-MESH WITH HOT-DIP GALVANIZED-ZINC COATING.
  2. WELDED-WIRE LATH: SELF-FURRING.
  3. PAPER BACKING: PROVIDE AT EXTERIOR LOCATIONS.
- B. ACCESSORIES:
  1. FOUNDATION WEEP SCREED: HOT-DIP GALVANIZED STEEL SHEET.
  2. CORNERITE: FABRICATED FROM METAL LATH WITH HOT-DIP GALVANIZED-ZINC COATING.
  3. EXTERNAL-OUTSIDE-CORNER REINFORCEMENT: FABRICATED FROM METAL LATH WITH HOT-DIP GALVANIZED-ZINC COATING.
  4. CASING BEADS: FABRICATED FROM ZINC OR ZINC-COATED (GALVANIZED) STEEL; SQUARE-EDGED STYLE; WITH EXPANDED FLANGES.
  5. CONTROL JOINTS: FABRICATED FROM ZINC OR ZINC-COATED (GALVANIZED) STEEL; ONE-PIECE-TYPE, FOLDED PAIR OF UNPERFORATED SCREEDS IN M-SHAPED CONFIGURATION; WITH PERFORATED FLANGES AND REMOVABLE PROTECTIVE TAPE ON PLASTER FACE OF CONTROL JOINT.
  6. EXPANSION JOINTS: FABRICATED FROM ZINC OR ZINC-COATED (GALVANIZED) STEEL; FOLDED PAIR OF UNPERFORATED SCREEDS IN M-SHAPED CONFIGURATION; WITH EXPANDED FLANGES.
  7. TWO-PIECE EXPANSION JOINTS: FABRICATED FROM ZINC OR ZINC-COATED (GALVANIZED) STEEL; FORMED TO PRODUCE SLIP-JOINT AND SQUARE-EDGED REVEAL THAT IS ADJUSTABLE FROM 1/4 TO 5/8 INCH (6 TO 16 MM) WIDE; WITH PERFORATED FLANGES.
- C. FIBER FOR BASE COAT: ALKALINE-RESISTANT GLASS OR POLYPROPYLENE FIBERS, 1/2 INCH(13 MM) LONG, FREE OF CONTAMINANTS, MANUFACTURED FOR USE IN CEMENT PLASTER.
- D. WIRE: ASTM A 641/A 641M, CLASS 1 ZINC COATING, SOFT TEMPER, NOT LESS THAN 0.0475-INCH (1.21-MM) DIAMETER UNLESS OTHERWISE INDICATED.
- E. PLASTER MATERIALS: PORTLAND CEMENT WITH SAND AGGREGATE.
- F. COLORANTS FOR JOB-MIXED FINISH COATS: COLORFAST MINERAL PIGMENTS THAT PRODUCE FINISH PLASTER COLOR.
- G. PLASTER MIXES: ASTM C 926.

1.3 INSTALLATION:
- A. PLASTER FINISH COATS: APPLY TO PROVIDE SMOOTH TEXTURED FINISH.

END OF SECTION 092400

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REV.	DATE	DESCRIPTION

WHITSETT
6405 BURLINGTON RD
WHITSETT, NC 27377

SPECIFICATIONS

	DATE
PERMIT	--/--/----
BID	--/--/----
CONSTRUCTION	--/--/----
RECORD	--/--/----

PROJECT MANAGER	DESIGNER
AK	DB

JOB NO.
2020379.16

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