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07611 PROVIDE SHEET METAL ROOFING OVER ICE AND WATER SHIELD AS INDICATED ON THE DRAWINGS. IN ADDITION TO MANUFACTURER'S PRODUCT LITERATURE, SUBMIT SHOP DRAWINGS INDICATING MATERIAL PROFILE, JOINTING PATTERN, JOINTING DETAILS, FASTENING METHODS, COLOR OPTIONS, AND INSTALLATION DETAILS. SUBMIT (2) SAMPLES 12" X 12" INCHES IN SIZE OF METAL ROOFING MOUNTED ON PLYWOOD BACKING AND ILLUSTRATING TYPICAL FLAT, BATTEN, STANDING SEAM, EXTERNAL CORNER, INTERNAL CORNER, VALLEY, RIDGE, JUNCTION TO VERTICAL DISSIMILAR SURFACE, MATERIAL, AND FINISH. MANUFACTURER SHALL BE COMPANY SPECIALIZING IN SHEET METAL ROOF MANUFACTURE WITH 5 YEARS DOCUMENTED EXPERIENCE. INSTALLER SHALL BE COMPANY SPECIALIZING IN SHEET METAL ROOF INSTALLATIONS WITH 5 YEARS DOCUMENTED EXPERIENCE. DELIVERY, STORAGE, AND HANDLING SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. PROVIDE (5) YEAR WATER TIGHTNESS WARRANTY FROM INSTALLATION CONTRACTOR, AND (20) YEAR MANUFACTURER'S WARRANTY COVERING FAILURE OF MATERIALS AND WORKMANSHIP AND DEGRADATION OF METAL FINISH. PROVIDE PRODUCTS MANUFACTURED BY AEICOR ALUMINUM PRODUCTS COMPANY'S OR APPROVED EQUAL. PROVIDE LOW PROFILE ROLLED SEAM FLAT PANELS WITH CONCEALED FASTENERS AT 16-1/2" O.C. MATERIAL SHALL BE 0.032 INCHES THICK ALUMINUM, ALLOY 3105-H14 WITH HIGH-PERFORMANCE ORGANIC COATING FINISH AA-C12C42R1X. (ORGANIC COATING). PREPARE, PRETREAT, AND APPLY COATING TO EXPOSED METAL SURFACES TO COMPLY WITH COATING AND RESIN MANUFACTURER'S INSTRUCTIONS. FLUOROPOLYMER 2-COAT COATING SYSTEM SHALL BE 2-COAT, THERMOCURED SYSTEM COMPOSED OF SPECIALLY FORMULATED INHIBITIVE PRIMER AND FLUOROPOLYMER COLOR TOPCOAT CONTAINING NOT LESS THAN 70 PERCENT POLYVINYLIDENE FLUORIDE RESIN BY WEIGHT; COMPLYING WITH AAMA 605.2. COLOR AND GLOSS SHALL BEAS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF CHOICES FOR COLOR AND GLOSS. PROVIDE FACTORY FORMED METAL FLASHINGS AND TRIM FROM THE SAME MATERIAL, GAUGE AND FINISH AS THE ROOFING PANELS. PROVIDE ICE AND WATER SHIELD MEMBRANE UNDERLAYMENT. FASTENERS SHALL BE STAINLESS STEEL, GALVANIZED STEEL OR ALUMINUM 1-1/4 INCH HDG ROOFING NAILS OR BUGLE HEAD DRYWALL SCREWS. CONTRACTOR SHALL EXAMINE ROOF DECK TO VERIFY DECK IS CLEAN AND SMOOTH, FREE OF DEPRESSIONS, WAVES, OR PROJECTIONS, PROPERLY SLOPED TO DRAINS AND VALLEYS. VERIFY DECK IS DRY AND FREE OF SAND AND DEBRIS, AND HAS CORRECT PLACEMENT OF WOOD NAILERS. VERIFY ROOF OPENINGS, CURBS, PIPES, SLEEVES, DUCTS, OR VENTS THROUGH ROOF ARE SOLIDLY SET, CANT STRIPS AND REGLETS ARE IN PLACE, AND NAILING STRIPS LOCATED. VERIFY ROOFING MEMBRANE TERMINATION AND BASE FLASHINGS ARE IN PLACE, SEALED, AND SECURE. BEGINNING OF INSTALLATION MEANS ACCEPTANCE OF EXISTING CONDITIONS. INSTALL STARTER AND EDGE STRIPS, AND CLEATS BEFORE STARTING INSTALLATION. INSTALL SURFACE MOUNTED REGLETS TRUE TO LINES AND LEVELS. SEAL TOP OF REGLETS WITH SEALANT. PROTECT ELEMENTS SURROUNDING WORK OF THIS SECTION FROM DAMAGE OR DISFIGUREMENT. INSTALL ICE AND WATER SHIELD OVER ENTIRE DECK TO RECEIVE SHEET METAL ROOFING WITH JOINTS LAPPED TOWARD THE EAVES A MINIMUM OF SIX (6) INCHES. LAP ALL HIPS AND RIDGES AT LEAST 12 INCHES TO FORM A DOUBLE THICKNESS. LAP SIX (6) INCHES OVER THE METAL OF ANY VALLEYS OR BUILT-IN GUTTERS. CLEAT AND SEAM ALL JOINTS. PROVIDE FORMED METAL PANS FOR PROTRUSIONS THROUGH ROOF SUCH AS VENTS, CONDUIT, OR STRUCTURAL STEEL HANGERS. FILL PANS WATERTIGHT WITH PLASTIC CEMENT. BACK PAINT SURFACES IN CONTACT WITH DISSIMILAR MATERIALS. INSERT FLASHINGS INTO REGLETS TO FORM TIGHT FIT. SECURE FLASHINGS IN PLACE USING CONCEALED FASTENERS. CLEAT AND SEAM ALL JOINTS. APPLY PLASTIC CEMENT COMPOUND BETWEEN METAL FLASHINGS AND MEMBRANE FLASHINGS. FIT FLASHINGS TIGHT IN PLACE. MAKE CORNERS SQUARE, SURFACES TRUE AND STRAIGHT IN PLANES, AND LINES ACCURATE TO PROFILES. SEAL METAL JOINTS WATERTIGHT. COMPLY WITH SMACNA SHEET METAL MANUAL RECOMMENDATIONS. COMPLY WITH ACCESSORY MANUFACTURERS' INSTRUCTIONS AND RECOMMENDATIONS. COORDINATE INSTALLATION WITH ROOFING SYSTEM TO ENSURE WEATHERTIGHT PERFORMANCE. ANCHOR SECURELY TO STRUCTURE TO WITHSTAND INWARD AND OUTWARD LOADS. ISOLATE DISSIMILAR METALS TO PREVENT GALVANIC CORROSION.