

SECTION 07 28 00 - BUILDING ENVELOPE UNDERLAYMENT		SECTION 07 80 00 - FLASHING AND SHEET METAL		SECTION 07 81 00 - FIREPROOFING		B. CLEAN SUBSTRATES OF DIRT, DUST, GREASE, OIL, LOOSE MATERIAL, OR OTHER MATTER WHICH MAY AFFECT BOND OF SPRAYED FIRE-RESISTIVE MATERIALS. C. REMOVE INCOMPATIBLE MATERIALS WHICH AFFECT BOND BY SCRAPING, BRUSHING, SCRUBBING, OR SANDBLASTING. D. INSTALL METAL LATH OVER STRUCTURAL MEMBERS IN ACCORD WITH ARCHITECT-ACCEPTED SHOP DRAWINGS.	
PART 1 - GENERAL		PART 1 - GENERAL		1.0 GENERAL		3.3 APPLICATION 1. APPLY MATERIALS IN ACCORD WITH ARCHITECT-ACCEPTED SHOP DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. 2. APPLY PRIMER ADHESIVE TO PREPARED SUBSTRATES. 3. SPRAY APPLY FIELD-MIXED FIRE-RESISTIVE MATERIALS MIX IN SUCCESSIVE LAYERS TO ACHIEVE THICKNESSES FOR FIRE RATINGS; PROVIDE MONOLITHIC FIRE-RESISTIVE COATING WITHOUT VOIDS, SEAMS, OR STAGING BREAKS.	
1.1SUMMARY A. SECTION INCLUDES: PROVIDE COMPLETE BUILDING ENVELOPE UNDERLAYMENT AIR AND WATER BARRIER SYSTEMS INCLUDING FOR FLASHING AND SHEET METAL, AND PENETRATION UNDERLAYMENT, WITH ACCESSORIES AS REQUIRED FOR COMPLETE WATERTIGHT INSTALLATION. 1.EXTERIOR WALL SYSTEMS UNDERLAYMENT: PROVIDE VAPOR PERMEABLE SELF-ADHERING SHEET MEMBRANE UNDERLAYMENT AND VAPOR PERMEABLE FLUID APPLIED MEMBRANE UNDERLAYMENT AT EXTERIOR WALLS, WITH ACCESSORIES AS REQUIRED FOR COMPLETE WEATERTIGHT INSTALLATION. 2. FLASHINGS AND SHEET METAL UNDERLAYMENT: PROVIDE SELF-ADHERING SHEET MEMBRANE UNDERLAYMENT AT FLASHINGS AND SHEET METAL, WITH ACCESSORIES AS REQUIRED FOR COMPLETE WATERTIGHT INSTALLATION. 3.SELF-ADHERING SHEET MEMBRANE (SASM) FLASHING AT PENETRATIONS: PROVIDE SASM FLASHING FOR AROUND PENETRATIONS THROUGH UNDERLAYMENT, WITH ACCESSORIES AS REQUIRED FOR COMPLETE WATERTIGHT INSTALLATION. 1.2ADMINISTRATIVE REQUIREMENTS A. PRE-INSTALLATION MEETINGS: CONVENE ONE WEEK PRIOR TO COMMENCING WORK; REQUIRE ATTENDANCE OF PARTIES DIRECTLY AFFECTING UNDERLAYMENT, REVIEW PROCEDURES AND COORDINATION REQUIRED WITH RELATED WORK. 1.3SUBMITTALS A. PRODUCT DATA: FURNISH MANUFACTURER'S LITERATURE FOR EACH TYPE OF UNDERLAYMENT. B. SAMPLES: FURNISH SAMPLES OF EACH MATERIAL. 1.4WARRANTY A. EXTENDED CORRECTION PERIOD: PROVIDE FOR CORRECTING FAILURE OF SYSTEM TO RESIST DAMAGE FROM ANTICIPATED SOURCES INCLUDING DAMAGE FROM WATER PENETRATION, REPAIR SYSTEM AND PAY FOR OR REPLACE DAMAGED MATERIALS AND SURFACES. 1.PERIOD: TWO YEARS.		1.01 SECTION INCLUDES A. METAL FLASHING AND TRIM B. GUTTERS AND DOWNSPOUTS C. MISCELLANEOUS SHEET METALWORK D. BREAK MEAL (VENDOR SUPPLIED) REFER TO CONSTRUCTION DOCUMENTS 1.02 RELATED SECTIONS A. SHEET METAL DUCTWORK FOR AIR DISTRIBUTION SYSTEMS IS SPECIFIED IN SECTION 23 31 00 - HVAC DUCTS AND CASINGS. 1.03 MEASUREMENT AND PAYMENT A. GENERAL: FLASHING AND SHEET METALWORK WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT WILL BE PAID FOR AS PART OF THE CONTRACT LUMP SUM PRICE FOR ARCHITECTURAL WORK. 1.04 REFERENCES A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM): 1. ASTM B32 SPECIFICATION FOR SOLDER METAL 2. ASTM B209 SPECIFICATION FOR ALUMINUM AND ALUMINUM-ALLOY SHEET AND PLATE B. FEDERAL SPECIFICATION (FS): 1. FS TT-S-230 SEALING COMPOUND: ELASTOMERIC TYPE, SINGLE COMPONENT (FOR CAULKING, SEALING, AND GLAZING IN BUILDINGS AND OTHER STRUCTURES) 2. FS TT-S-543 SEALING COMPOUND: SILICONE RUBBER BASE (FOR CAULKING, SEALING AND GLAZING IN BUILDINGS AND OTHER STRUCTURES) 3. FS UJ-B-790 BUILDING PAPER, VEGETABLE FIBER (KRAFT, WATERPROOFED, WATER REPELLENT AND FIRE RESISTANT) C. SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMAONA)- SMAONA ARCHITECTURAL SHEET METAL MANUAL 1.05 SUBMITTALS A. GENERAL: REFER TO SECTION 01 33 00 - SUBMITTAL PROCEDURES, AND SECTION 01 33 23 - SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES, FOR SUBMITTAL REQUIREMENTS AND PROCEDURES. B. SHOP DRAWINGS AND PRODUCT DATA: SUBMIT DETAILED SHOP DRAWINGS OF METAL FLASHING AND SHEET METALWORK, INCLUDING GUTTERS AND DOWNSPOUTS, AND INSTALLATION DETAILS. INCLUDE MANUFACTURERS' PRODUCT DATA FOR MATERIALS AND MANUFACTURED ITEMS. 1.06 QUALITY ASSURANCE A. FLASHING AND SHEET METALWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMAONA ARCHITECTURAL SHEET METAL MANUAL. B. EXCEPT WHERE OTHERWISE INDICATED, COMPLY WITH MINIMUM THICKNESS OR GAGE REQUIREMENTS AS SPECIFIED IN SMAONA ARCHITECTURAL SHEET METAL MAN		1.2 SYSTEM DESCRIPTION 1. DESIGN REQUIREMENTS:- APPLIED SPRAYED FIRE-RESISTIVE MATERIALS TO BE IN THICKNESSES REQUIRED FOR INDICATED UL DESIGN NUMBERS. 2. PERFORMANCE REQUIREMENTS:- SPECIFIED IN PART 2 OF THIS SECTION FOR SPECIFIED PRODUCTS. 1.3 REFERENCES 1. PUBLICATIONS OF THE FOLLOWING ORGANIZATIONS ARE REFERENCED IN THIS SECTION: C. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI). D. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM). E. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). F. UNDERWRITERS LABORATORY (UL). 1.4 SUBMITTALS 1. REQUIREMENTS FOR SUBMITTAL PROCEDURES ARE SPECIFIED IN SECTION 01 33 00 2. PRODUCT DATA: MANUFACTURER'S DESCRIPTIVE LITERATURE FOR THE FOLLOWING: A. SPRAYED FIRE-RESISTIVE MATERIALS. B. PRIMERS AND ADHESIVES. C. OVERCOATS AND SEALERS. 2. SHOP DRAWINGS: A. LOCATE EACH AREA TO RECEIVE SPRAYED FIRE-RESISTIVE MATERIALS IN PROJECT; INDICATE THE FOLLOWING FOR EACH AREA: 1. SURFACES TO RECEIVE SPRAYED FIRE-RESISTIVE MATERIALS. 2. DETAILS OF SPRAYED FIRE-RESISTIVE MATERIALS INSTALLATION: INCLUDE THICKNESS AND DENSITY OF SPRAYED FIRE-RESISTIVE MATERIALS, AND ACCESSORIES. 3. UL DESIGN NUMBER. B. EACH AREA TO RECEIVE SPRAYED FIRE-RESISTIVE MATERIALS, INDICATE LOCATIONS OF TEMPORARY ENCLOSURES FOR ISOLATION OF AREAS OF CONSTRUCTION ACTIVITIES SPECIFIED IN THIS SECTION FROM OTHER AREAS; INDICATE ENCLOSURE PERIMETER SEALING DETAILS AND VENTILATION PROVISIONS. 1. QUALITY ASSURANCE SUBMITTALS:- A. TEST REPORTS: CERTIFIED REPORTS FROM INDEPENDENT TESTING LABORATORY SUPPORTING COMPLIANCE OF SPRAYED FIRE-RESISTIVE MATERIALS TO SPECIFIED REQUIREMENTS. B. CERTIFICATES: 1. DOCUMENTATION OF QUALIFICATIONS SPECIFIED IN QUALITY ASSURANCE ARTICLE OF THIS SECTION. 2. MANUFACTURER'S CERTIFICATION THAT SPRAYED FIRE-RESISTIVE MATERIALS ARE 100 PERCENT ASBESTOS FREE. C. MANUFACTURER'S INSTRUCTIONS:- 1. PRINTED INSTALLATION INSTRUCTIONS FOR THE FOLLOWING: A. SPRAYED FIRE-RESISTIVE MATERIALS. B. PRIMERS AND ADHESIVES. C. OVERCOATS AND SEALERS. 2. PRINTED PRODUCT SAFETY DATA FOR THE FOLLOWING: A. PRIMERS AND ADHESIVES. B. OVERCOATS AND SEALERS. 3. PRODUCT STORAGE REQUIREMENTS FOR EACH PRODUCT SPECIFIED IN THIS SECTION. 4. CLOSEOUT SUBMITTALS: WARRANTY DOCUMENTS, SPECIFIED IN WARRANTY ARTICLE OF THIS SECTION. 1.5 QUALITY ASSURANCE 1. GENERAL REQUIREMENTS ARE SPECIFIED IN SECTION 01400. 1.6 PROJECT CONDITIONS 1. INSTALLATION OF PRODUCTS OF THIS SECTION UNDER CONDITIONS OTHER THAN THOSE SPECIFIED IN MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS IS PROHIBITED. 2. ENVIRONMENTAL REQUIREMENTS: A. APPLICATION OF SPRAYED FIRE-RESISTIVE MATERIALS WHEN TEMPERATURE OF SUBSTRATE MATERIAL OR SURROUNDING AIR IS BELOW 40 DEGREES F. IS PROHIBITED. B. PROVIDE VENTILATION IN AREAS TO RECEIVE SPRAYED FIRE-RESISTIVE MATERIALS DURING, AND 24 HOURS AFTER, APPLICATION TO CURE MATERIALS. 1.7 SEQUENCING 1. SEQUENCE INSTALLATION OF CLIPS, HANGERS, SUPPORTS, SLEEVES, AND OTHER ITEMS WHICH PENETRATE SPRAYED FIRE-RESISTIVE MATERIALS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES OF THIS SECTION. 2. SEQUENCE INSTALLATION OF DUCTS, PIPING, EQUIPMENT, OR OTHER ITEMS WHICH WOULD INTERFERE WITH APPLICATION OF SPRAYED FIRE-RESISTIVE MATERIALS AFTER COMPLETING CONSTRUCTION ACTIVITIES OF THIS SECTION. 1.8 WARRANTY 1. MANUFACTURER'S WARRANTY:- MANUFACTURER'S STANDARD WARRANTY AGAINST DEFECTS IN PRODUCT MATERIALS, INCLUDING CRACKING, CHECKING, DUSTING, FLAKING, SPALLING, SEPARATION, OR BLISTERING. 2.0 PRODUCTS MANUFACTURERS 1. ACCEPTABLE MANUFACTURER OF SPRAYED FIRE-RESISTIVE MATERIALS IS SPECIFIED IN MATERIALS ARTICLE OF PART 2 OF THIS SECTION. 2. REQUESTS FOR SUBSTITUTION WILL BE CONSIDERED IN ACCORD WITH SECTION 01 62 00. 2.2 MATERIALS 1. SPRAYED FIRE-RESISTIVE MATERIALS: A. ACCEPTABLE PRODUCT: CAFOD BLAZE-SHIELD II, MANUFACTURED BY ISOLATEK INTERNATIONAL. B. CHARACTERISTICS: MEDIUM-DENSITY, FACTORY MIXED ASBESTOS FREE CEMENTITIOUS AND MINERAL MATERIALS, DRY-MIXED, CONFORMING TO THE FOLLOWING REQUIREMENTS:- 1. LISTED IN ASTM E119 AND UL 263 FOR FIRE RATINGS FROM 1 TO 4 HOURS. 2. SURFACE BURNING CHARACTERISTICS WHEN TESTED IN ACCORD WITH ASTM E84 3. COMBUSTIBILITY, WHEN TESTED IN ACCORD WITH ASTM E83: NON-COMBUSTIBLE. 4. DRY DENSITY, WHEN TESTED IN ACCORD WITH ASTM E805: 16.5 POUNDS PER CUBIC FOOT. 5. BOND STRENGTH, WHEN TESTED IN ACCORD WITH ANSI/ASTM E736: 399 POUNDS OF FORCE PER SQUARE FOOT, MINIMUM. 6. DEFLECTION, WHEN TESTED IN ACCORD WITH ASTM E759: NO CRACKING, FLAKING, OR DELAMINATION. 7. BOND IMPACT, WHEN TESTED IN ACCORD WITH ASTM E760: NO CRACKING, FLAKING, OR DELAMINATION. 8. COMPRESSIVE STRENGTH, WHEN TESTED IN ACCORD WITH ASTM E761: 1700 POUNDS OF FORCE PER SQUARE FOOT, MINIMUM. 9. AIR EROSION, WHEN TESTED IN ACCORD WITH ASTM E869: 0.000 GRAMS PER SQUARE FOOT, MAXIMUM. 10. CORROSION RESISTANCE, WHEN TESTED IN ACCORD WITH ASTM E937: DOES NOT PROMOTE CORROSION OF STEEL. 11. SOUND ABSORPTION, WHEN TESTED IN ACCORD WITH ASTM C423: NOISE REDUCTION COEFFICIENT (NRC) OF 0.75- 1/2 INCH THICK COATING ONTO DECK AND BEAM. 12.THERMAL CONDUCTIVITY, WHEN TESTED IN ACCORD WITH ASTM C538:- R-VALUE OF 3.33. 2. WATER: CLEAN, POTABLE, FREE OF SUBSTANCES WHICH WOULD IMPAIR SPECIFIED PROPERTIES OF INSTALLED SPRAYED FIRE-RESISTIVE MATERIALS. 2.3 ACCESSORIES 1. PRIMER ADHESIVE: TYPES SPECIFIED FOR PROJECT SUBSTRATES IN SPRAYED FIRE-RESISTIVE MATERIALS MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. 2. OVERCOAT/SEALERS: TYPES SPECIFIED IN SPRAYED FIRE-RESISTIVE MATERIALS MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. 3. METAL LATH: EXPANDED METAL LATH: 3.4 LB./SQ. YD., GALVANIZED FINISH. 4. 3.0 EXECUTION 5. 3.1 EXAMINATION 1. VERIFICATION OF CONDITIONS: A. CLIPS, HANGERS, SUPPORTS, SLEEVES, AND OTHER ITEMS WHICH PENETRATE SPRAYED FIRE-RESISTIVE MATERIALS ARE IN PLACE. B. DUCTS, PIPING, EQUIPMENT, OR OTHER ITEMS WHICH WOULD INTERFERE WITH APPLICATION OF SPRAYED FIRE-RESISTIVE MATERIALS ARE NOT IN PLACE. C. VOIDS AND CRACKS IN SUBSTRATE ARE FILLED, AND PROJECTIONS ARE REMOVED WHERE SPRAYED FIRE-RESISTIVE MATERIALS ARE SIGHT EXPOSED AS FINISH MATERIAL. D. INSTALLER'S EXAMINATION IS REQUIRED BEFORE BEGINNING INSTALLATION OF PRODUCTS OF THIS SECTION: PROCEDURES FOR CONDUCTING INSTALLER'S EXAMINATION ARE SPECIFIED IN SECTION 01400. 3.2 PREPARATION 1. PROTECTION OF ADJACENT SURFACES: A. GENERAL REQUIREMENTS FOR PROTECTION OF ADJACENT SURFACES ARE SPECIFIED IN SECTION 01400. B. PROTECT ADJACENT SURFACES AND EQUIPMENT FROM OVERSPRAY, FALL OUT, OR DUSTING. C. ERECT AIRTIGHT TEMPORARY ENCLOSURES HAVING SELF CONTAINED, NON VENTING VENTILATION EQUIPMENT TO ISOLATE AREAS OF CONSTRUCTION ACTIVITIES OF THIS SECTION FROM OTHER AREAS. D. SEAL PERIMETER AND OPENINGS IN TEMPORARY ENCLOSURES: SEAL OPENINGS IN DUCTWORK AND PIPES WITHIN TEMPORARY ENCLOSURES. 2. SURFACE PREPARATION: A. FILL VOIDS AND CRACKS IN SUBSTRATES, AND REMOVE PROJECTIONS WHERE SPRAYED FIRE-RESISTIVE MATERIALS ARE SIGHT EXPOSED AS FINISH MATERIAL PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES OF THIS SECTION.			
PART 2 - PRODUCTS		PART 2 - PRODUCTS		END OF SECTION 07 81 00		3.5 ADJUSTING 1. REMOVE NON-COMPLYING SPRAYED FIRE-RESISTIVE MATERIALS: APPLY NEW SPRAYED FIRE-RESISTIVE MATERIALS IN ACCORD WITH SPECIFIED REQUIREMENTS. 2. REMOVE TEMPORARY ENCLOSURES. 3.6 CLEANING 1. GENERAL REQUIREMENTS FOR CLEANING INSTALLED PRODUCTS ARE SPECIFIED IN SECTION 01400. 2. REMOVE EXCESS MATERIALS, OVERSPRAY, DROPPINGS, AND DEBRIS. 3. REMOVE SPRAYED FIRE-RESISTIVE MATERIALS FROM MATERIALS AND SURFACES NOT SPECIFIED TO RECEIVE FIRE-RESISTIVE MATERIALS. 3.7 PROTECTION OF INSTALLED PRODUCTS 1. GENERAL REQUIREMENTS FOR PROTECTING INSTALLED PRODUCTS ARE SPECIFIED IN SECTION 01400. 2. PROTECT SPRAYED FIRE-RESISTIVE MATERIALS EXPOSED TO DAMAGE FROM SUBSEQUENT CONSTRUCTION ACTIVITIES USING TEMPORARY PROTECTIVE BARRIERS.	
END OF SECTION 07 28 00		END OF SECTION 07 60 00		END OF SECTION 07 81 00		END OF SECTION 07 81 00	

NEW STORE	
ATHLETA	
GAP INC. STORE DEVELOPMENT 2 FOLSOM STREET SAN FRANCISCO, CA 94105	
ORACLE ID: STORE NUMBER: 7341	140261 STORE LOCATION: STATION PARK 230 NE PROMONTORY SPACE C-120 FARMINGTON, UT 84025
DESIGN TYPE: DERBY B GENERATION: 21Q34 PROTOTYPE DATE: 1/8/2021 OPENING: 2021	
ARCHITECT INFO: brr ARCHITECT OF RECORD: MARIAH MEYER 8131 METCALF AVE SUITE 300 OVERLAND PARK, KS 66204 www.brrarch.com TEL: 913-262-9095 FAX: 913-262-9044	
CONSULTANT INFO:	
PROFESSIONAL STAMP:	
ISSUE TYPE: LL/PERMIT/BID: 02/19/21	
REVISIONS:	
DRAWN BY: KDA	
A/E JOB NUMBER: 65011072	
TITLE SHEET:	
SPECIFICATIONS	
SHEET NUMBER: SP-05	