

- A. G-P GYPSUM CORPORATION: TOUGHROCK ABUSE-RESISTANT GYPSUM BOARD.
B. NATIONAL GYPSUM COMPANY: GOLD BOND II-ABUSE WALLBOARD.
C. USG CORPORATION, INC.: SHEETROCK BRAND ABUSE-RESISTANT GYPSUM PANELS.
D. GEORGIA PACIFIC - DESIGLASS SHEATING - EXTERIOR SHEATING: DESIGLASS FIREGUARD SHEATHING

24 TRIM ACCESSORIES

- A. INTERIOR TRIM: ASTM C 1047.
1. CORNERBEAD: USE AT OUTSIDE CORNERS, UNLESS OTHERWISE INDICATED.
2. LC-BEAD: USE AT EXPOSED PANEL EDGES.
3. TEAR AWAY L BEAD: AT TRANSITION BETWEEN GYPSUM BOARD AND STANDARDS.
4. EXPANSION (CONTROL) JOINT: USE WHERE INDICATED.
5. CURVED-EDGE CORNERBEAD: WITH NOTCHED OR FLEXIBLE FLANGES; USE AT CURVED OPENINGS.
B. ALUMINUM TRIM: EXTRUDED ACCESSORIES OF PROFILES AND DIMENSIONS INDICATED.
1. AVAILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH PROFILES AND DESIGNATIONS INDICATED ON DRAWINGS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:
A. FRY REGLET CORP.
B. GORDON, INC.
C. MM SYSTEMS CORPORATION.
D. PITTCO INDUSTRIES.
2. ALUMINUM: ALLOY AND TEMPER WITH NOT LESS THAN THE STRENGTH AND DURABILITY PROPERTIES OF ASTM B 221 (ASTM B 221M, ALLOY 6063-T5.
3. FINISH: CORROSION-RESISTANT PRIMER COMPATIBLE WITH JOINT COMPOUND AND FINISH MATERIALS SPECIFIED.

25 JOINT TREATMENT MATERIALS

- A. GENERAL: COMPLY WITH ASTM C 475.
B. JOINT TAPE:
1. INTERIOR GYPSUM WALLBOARD OVER METAL STUDS: PAPER OR FIBERGLASS AS NEEDED.
2. TILE BACKING PANELS: AS RECOMMENDED BY PANEL MANUFACTURER.
C. JOINT COMPOUND FOR INTERIOR GYPSUM WALLBOARD: FOR EACH COAT USE FORMULATION THAT IS COMPATIBLE WITH OTHER COMPOUNDS APPLIED ON PREVIOUS OR FOR SUCCESSIVE COATS.
1. PREFFILL: AT OPEN JOINTS AND DAMAGED SURFACE AREAS, USE SETTING-TYPE TAPING COMPOUND.
2. EMBEDDING AND FIRST COAT: FOR EMBEDDING TAPE AND FIRST COAT ON JOINTS, FLANGES OF TRIM ACCESSORIES, AND FASTENERS, USE SETTING-TYPE TAPING COMPOUND.
3. FILL COAT: FOR SECOND COAT, USE SETTING-TYPE, SANDABLE TOPPING COMPOUND.
4. FINISH COAT: FOR THIRD COAT, USE DRYING-TYPE, ALL-PURPOSE COMPOUND.
D. JOINT COMPOUND FOR TILE BACKING PANELS:
1. GLASS-MAT, WATER-RESISTANT BACKING PANEL: AS RECOMMENDED BY MANUFACTURER.

28 AUXILIARY MATERIALS

- A. GENERAL: PROVIDE AUXILIARY MATERIALS THAT COMPLY WITH REFERENCED INSTALLATION STANDARDS AND MANUFACTURER'S WRITTEN RECOMMENDATIONS.
B. ACOUSTICAL SEALANT: FOR EXPOSED AND CONCEALED JOINTS: NON SAG, PAINTABLE, NON STAINING, LATEX SEALANT COMPLYING WITH ASTM C 834 THAT EFFECTIVELY REDUCES AIRBORNE SOUND TRANSMISSION THROUGH PERIMETER JOINTS AND OPENINGS IN BUILDING CONSTRUCTION AS DEMONSTRATED BY TESTING REPRESENTATIVE ASSEMBLIES ACCORDING TO ASTM E 90.
1. AVAILABLE PRODUCTS:
A. PECORA CORP.: AC-20 FTR ACOUSTICAL AND INSULATION SEALANT.
B. USG CORPORATION, INC.: SHEETROCK ACOUSTICAL SEALANT.
C. STEEL DRILL SCREWS: ASTM C 1002, UNLESS OTHERWISE INDICATED.
D. ISOLATION STRIP AT EXTERIOR WALLS:
1. FOAM GASKET: ADHESIVE-BACKED, CLOSED-CELL VINYL FOAM STRIPS THAT ALLOW FASTENER PENETRATION WITHOUT FOAM DISPLACEMENT, 1/8 INCH (3.2 MM) THICK, IN WIDTH TO SUIT STEEL STUD SIZE.
E. SOUND ATTENUATION BLANKETS: ASTM C 695, TYPE I BLANKETS WITHOUT MEMBRANE FACING PRODUCED BY COMBINING THERMOSETTING RESINS WITH MINERAL FIBERS MANUFACTURED FROM SLAG WOOL OR ROCK WOOL.
1. FIRE-RESISTANCE-RATED ASSEMBLIES: COMPLY WITH MINERAL-FIBER REQUIREMENTS OF ASSEMBLY.

PART 3 - EXECUTION

3.1 NON-LOAD-BEARING STEEL FRAMING INSTALLATION

- A. GENERAL: COMPLY WITH ASTM C 754, AND ASTM C 840 REQUIREMENTS THAT APPLY TO FRAMING INSTALLATION.
B. SUSPENDED CEILING FRAMING:
1. SUSPEND CEILING HANGERS PLUMB AND FREE FROM CONTACT WITH INSULATION OR OTHER OBJECTS WITHIN CEILING PLENUM THAT ARE NOT PART OF SUPPORTING STRUCTURAL OR CEILING SUSPENSION SYSTEM. SPLAY HANGERS ONLY WHERE REQUIRED TO MISS OBSTRUCTIONS AND OFFSET RESULTING HORIZONTAL FORCES BY BRACING, COUNTERSPLAYING, OR OTHER EQUALLY EFFECTIVE MEANS.
2. WHERE WIDTH OF DUCTS AND OTHER CONSTRUCTION WITHIN CEILING PLENUM PRODUCES HANGER SPACINGS THAT INTERFERE WITH THE LOCATION OF HANGERS REQUIRED TO SUPPORT STANDARD SUSPENSION SYSTEM MEMBERS, INSTALL SUPPLEMENTAL SUSPENSION MEMBERS AND HANGERS IN FORM OF TRAPEZES OR EQUIVALENT DEVICES. SIZE SUPPLEMENTAL SUSPENSION MEMBERS AND HANGERS TO SUPPORT CEILING LOADS WITHIN PERFORMANCE LIMITS ESTABLISHED BY REFERENCED STANDARDS.
3. ATTACH HANGERS TO STRUCTURAL MEMBERS. DO NOT SUPPORT CEILINGS FROM OR ATTACH HANGERS TO PERMANENT METAL FORMS, STEEL DECK TABS, STEEL ROOF DECKS, DUCTS, PIPES, OR CONDUIT.
4. WIRE-TIE FURRING CHANNELS TO SUPPORTS, AS REQUIRED TO COMPLY WITH REQUIREMENTS FOR ASSEMBLIES INDICATED.
5. GRID SUSPENSION SYSTEM: ATTACH PERIMETER WALL TRACK OR ANGLE WHERE GRID SUSPENSION SYSTEM MEETS VERTICAL SURFACES. MECHANICALLY JOIN MAIN BEAM AND CROSS-FURRING MEMBERS TO EACH OTHER AND BUTT-CUT TO FIT INTO WALL TRACK.
C. PARTITION FRAMING:
1. WHERE STUDS ARE INSTALLED DIRECTLY AGAINST EXTERIOR WALLS, INSTALL ISOLATION STRIP BETWEEN STUDS AND WALL.
2. EXTEND PARTITION FRAMING FULL HEIGHT TO STRUCTURAL SUPPORTS OR SUBSTRATES ABOVE SUSPENDED CEILINGS, EXCEPT WHERE PARTITIONS ARE INDICATED TO TERMINATE AT SUSPENDED CEILINGS. CONTINUE FRAMING OVER FRAMES FOR DOORS AND OPENINGS AND FRAME AROUND DUCTS PENETRATING PARTITIONS ABOVE CEILING TO PROVIDE SUPPORT FOR GYPSUM BOARD.
3. FRAME DOOR OPENINGS TO COMPLY WITH GA-600 AND WITH GYPSUM BOARD MANUFACTURER'S APPLICABLE WRITTEN RECOMMENDATIONS, UNLESS OTHERWISE INDICATED. SCREW VERTICAL STUDS AT JAMBS TO JAMB ANCHOR CLIPS ON DOOR FRAMES; INSTALL RUNNER TRACK SECTION (FOR CRIPPLE STUDS) AT HEAD AND SECURE TO JAMB STUDS.
A. INSTALL TWO STUDS AT EACH JAMB, UNLESS OTHERWISE INDICATED.
B. EXTEND JAMB STUDS THROUGH SUSPENDED CEILINGS AND ATTACH TO UNDERSIDE OF FLOOR OR ROOF STRUCTURE ABOVE.
4. FRAME OPENINGS OTHER THAN DOOR OPENINGS THE SAME AS REQUIRED FOR DOOR OPENINGS, UNLESS OTHERWISE INDICATED. INSTALL FRAMING BELOW SILLS OF OPENINGS TO MATCH FRAMING REQUIRED ABOVE DOOR HEADS.

3.2 PANEL PRODUCT INSTALLATION

- A. GYPSUM BOARD: COMPLY WITH ASTM C 840 AND GA-216.
1. SPACE SCREWS A MAXIMUM OF 12 INCHES (304.8 MM) O.C. FOR VERTICAL APPLICATIONS.
2. SPACE FASTENERS IN PANELS THAT ARE TILE SUBSTRATES A MAXIMUM OF 8 INCHES (203.2 MM) O.C.
3. ON CEILINGS, APPLY SAG-RESISTANT GYPSUM PANELS BEFORE WALL/PARTITION BOARD APPLICATION TO THE GREATEST EXTENT POSSIBLE AND AT RIGHT ANGLES TO FRAMING, UNLESS OTHERWISE INDICATED.
4. SINGLE-LAYER FASTENING METHODS: APPLY GYPSUM PANELS TO SUPPORTS WITH STEEL DRILL SCREWS.
5. MULTILAYER FASTENING METHODS: FASTEN BASE LAYERS AND FACE LAYERS SEPARATELY TO SUPPORTS WITH SCREWS.
6. LAMINATING TO SUBSTRATE: COMPLY WITH GYPSUM BOARD MANUFACTURER'S WRITTEN RECOMMENDATIONS AND TEMPORARILY BRACE OR FASTEN GYPSUM PANELS UNTIL FASTENING ADHESIVE HAS SET.
B. TILE BACKING PANELS:
1. GLASS-MAT, WATER-RESISTANT BACKING PANEL: INSTALL WITH 1/4-INCH (6.4-MM) GAP WHERE PANELS ABUT OTHER CONSTRUCTION OR PENETRATIONS
FINISHING
A. INSTALLING TRIM ACCESSORIES: FOR TRIM WITH BACK FLANGES INTENDED FOR FASTENERS, ATTACH TO FRAMING WITH SAME FASTENERS USED FOR PANELS. OTHERWISE, ATTACH TRIM ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. FINISHING GYPSUM BOARD PANELS: TREAT GYPSUM BOARD JOINTS, INTERIOR ANGLES, EDGE TRIM, CONTROL JOINTS, PENETRATIONS, FASTENER HEADS, SURFACE DEFECTS, AND ELSEWHERE AS REQUIRED TO PREPARE GYPSUM BOARD SURFACES FOR DECORATION.
1. PREFFILL OPEN JOINTS AND DAMAGED SURFACE AREAS.
2. APPLY JOINT TAPE OVER GYPSUM BOARD JOINTS, EXCEPT THOSE WITH TRIM HAVING FLANGES NOT INTENDED FOR TAPE.
3. GLASS-MAT, WATER-RESISTANT BACKING PANELS: DO NOT USE PAPER TAPE AND JOINT COMPOUND. FINISH ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS.
C. GYPSUM BOARD FINISH LEVELS: LEVEL 4 THROUGHOUT STORE, BACK OF THE HOUSE (NON-SALES AREA NON-PUBLIC AREAS) TO RECEIVE LEVEL 3

DRYWALL FINISHING LEVELS & METHODS

| FINISHING LEVEL | FINAL APPEARANCE | HOW TO ACHIEVE RESULT | | |
|-----------------|--|---|----------------------------------|---|
| | | JOINTS & INTERIOR ANGLES | ACCESSORIES & FASTENERS | SURFACE |
| 5 | NO MARKS OR RIDGES. ENTIRE SURFACE COVERED WITH SKIM COAT OF COMPOUND AND READY TO PRIME BEFORE DECORATING WITH GLOSS, SEMI-GLOSS OR ENAMEL, OR FLAT JOINTS OR USE OVER AN UNTEXTURED SURFACE. | AS IN LEVEL 4 | AS IN LEVEL 4 | SKIM COAT PLUS PRIME WITH SHEETROCK BRAND FIRST COAT PRIMER BEFORE PAINTING OR TEXTURING OR USE SHEETROCK TUFF-HIDE PRIMER SURFACER |
| 4 | NO MARKS OR RIDGES. READY FOR PRIMING, TO BE FOLLOWED BY HEAVY TEXTURE. | TWO SEPARATE COATS OF COMPOUND OVER LEVEL 2 | THREE SEPARATE COATS OF COMPOUND | JOINTS FILLED AND SMOOTHED AGAIN, MUST BE PRIMED WITH SHEETROCK BRAND FIRST COAT BEFORE PAINTING OR TEXTURING. |
| 3 | NO MARKS OR RIDGES. READY FOR PRIMING, TO BE FOLLOWED BY HEAVY TEXTURE. | ONE SEPARATE COAT OF COMPOUND OVER LEVEL 2 | TWO SEPARATE COATS OF COMPOUND | JOINTS FILLED AND SMOOTH, MUST BE PRIMED WITH SHEETROCK BRAND FIRST COAT BEFORE PAINTING OR TEXTURING |
| 2 | TOOL MARKS AND AND RIDGES OKAY. THIN COATING OF COMPOUND COVERS TAPE; ONE ONE COAT COMPOUND OVER FASTENER HEADS. | TAPE EMBEDDED IN COMPOUND AND IMMEDIATELY WIPED TO LEAVE A THIN COATING OF COMPOUND OVER TAPE | ONE COAT OF COMPOUND | FREE OF EXCESS COMPOUND |
| 1 | TOOL MARKS AND RIDGES ACCEPTABLE. | TAPE EMBEDDED IN COMPOUND | OPTIONAL - ONE COAT OF COMPOUND | FREE OF EXCESS COMPOUND |
| 0 | UNFINISHED | NONE | | |

FINISH QUALITY BY USG, ASTM C840 GA-214-07 INDUSTRY STANDARD OR EQUAL

END OF SECTION 09 21 16

SECTION 09 30 00 - STONE AND CERAMIC TILES

- A. REFERENCES: CONFORM TO TILE COUNCIL OF NORTH AMERICA HANDBOOK (TONA 2020 HANDBOOK) FOR CERAMIC TILE INSTALLATION, INCLUDING ANSI STANDARDS REFERENCED IN HANDBOOK. C. MATERIALS: CONFORM TO TILE COUNCIL OF NORTH AMERICA HANDBOOK (TONA 2020 HANDBOOK) FOR CERAMIC TILE, INCLUDING ANSI STANDARD REFERENCED IN HANDBOOK.
B. CONFORM TO ANSI A108 STANDARD QUALIFICATIONS
1. TILE:
A. STANDARD TILES: ANSI A37.1 STANDARD GRADE TILE AS INDICATED ON SCHEDULES AND AS SELECTED BY ARCHITECT: NONSLIP FLOOR TILES.
B. STONE: PROVIDE STONE AS INDICATED ON SCHEDULES AND AS SELECTED BY ARCHITECT: NONSLIP FLOOR TILES, STOREFRONT BASE TILES.
2. WALL AND SUSPENDED BACKING MATERIALS:
A. INTERIOR TOILET ROOM WALL SURFACES: MOISTURE RESISTANT GYPSUM WALLBOARD PROVIDED IN SECTION 09600 - GYPSUM WALL SYSTEMS.
B. EXTERIOR AND STOREFRONT WALL SURFACES (OTHER THAN COMPOSITE STONE TILES & SILLS): PROVIDE GLASCORETE (800/873-7056) WONDERBOARD OR USG (800/621-9624) DUROCK, 7/16" THICK GLASS MESH MORTAR UNITS, BEHIND STONE TILE APPLICATIONS.
C. EXTERIOR AND STOREFRONT WALL SURFACES USING COMPOSITE STONE TILES & SILLS: ¾" PLYWOOD PROVIDED IN SECTION 06100, ROUGH OPENING, IN CONJUNCTION WITH SCREW ATTACHMENTS, BUILDING PAPER AND ANCHORS AS DETAILED ON THE DRAWINGS.
D. ENSURE STUD SPACINGS AND SUSPENSION SYSTEM MEETS TONA REQUIREMENTS AND IS SUFFICIENT TO CARRY WEIGHT OF TILE.
3. MORTAR BED: PORTLAND CEMENT MORTAR BED CONFORMING TO ANSI A108.1 AND TONA RECOMMENDATIONS, INCLUDING SEPARATOR SHEET AND REINFORCING MESH.
4. BOND COAT: THINSET BOND COAT, CONSISTING OF LATEX - CEMENTITIOUS MORTAR (CONFORMING TO ANSI A118.4, A118.51E AND ISO 13007 - C25S22 or A118.51F AND ISO 13007 - C2FS22) WITH ADDITIVE.
5. LATEX THIN - SET MORTAR FOR USE IN FLOOR INSTALLATION OF COMPOSITE STONE TILES: SEE FINISH SCHEDULE. (CONFORMING TO ANSI A118.4, A118.51E1E, AND ISO 13007 C2TESP1 OR A118.51H1F AND ISO 13007- C2TFS1F)
6. GROUT: MEETING ANSI A118.7, AND ISO 13007 - 02SWAF OR ANSI 118.3 AND ISO 13007 - R2/R6
A. INTERIOR HORIZONTAL & VERTICAL LOCATIONS: CONFORM TO ANSI A118.7. SEE FINISH SCHEDULE FOR MANUFACTURER AND COLOR.
B. TOILET ROOMS: CONFORM TO ANSI A118.3. SEE FINISH SCHEDULE FOR MANUFACTURE AND COLOR.
7. INTEGRAL WATERPROOFING: MAPEI MAPELASTIC AQUADEFENSE (800/992-6273), LATICRETE (800/243-4788) #9235 OR BOSTIK (800/726-7845) HYDROMAT ULTA- SET LIQUID RUBBER POLYMER DESIGNED SPECIFICATION FOR APPLICATION UNDER TILE; EXTEND 6" UP WALL.
8. INSTALLATION: COMPLY WITH MATERIALS MANUFACTURER'S INSTRUCTIONS AND TILE COUNCIL OF AMERICA (TONA) - HANDBOOK FOR CERAMIC TILE AND GROUT INSTALLATION.

1. COMPLY WITH THE FOLLOWING TONA METHODS, USING MATERIALS SPECIFIED.

- A. INTERIOR WALL SURFACES: TONA W243 OVER GYPSUM WALLBOARD.
B. INTERIOR FLOOR SURFACES: TONA F110 OVER CONCRETE.
C. EXTERIOR WALL SURFACES: TONA W244 OVER GLASS MESH MORTAR UNITS.
D. EXTERIOR AND INTERIOR FLOOR SURFACES: TONA F114 OVER CONCRETE.
E. CEILINGS AND SOFFITS: TONA C311 OVER GLASS MESH MORTAR UNITS.
F. BED SET OVER WATERPROOFING: TONA F21.
G. THINSET OVER WATERPROOFING: TONA F221.
H. INTERIOR WALL SURFACES: TONA W222 OVER PLYWOOD.
2. SET TILES IN UNIFORM JOINT WIDTH OF 1/16" FOR WALL AND FLOOR TILE, 1/8" MAX. FOR BATHROOM TILE TYPES: SQUARE, PLUMB AND LEVEL JOINTS; ALIGN VERTICALLY AND HORIZONTALLY UNLESS OTHERWISE INDICATED. USE JOINT WIDTH OF 1/16" WITH VERTICAL INSTALLATIONS OF COMPOSITE STONE TILES AND SILLS AT STOREFRONTS.
I. CLEANING: CLEAN TILE AND ADJACENT SURFACES OF SEALANT AND GROUT AS WORK PROGRESSES. AT COMPLETION OF CONSTRUCTION, CLEAN TILE SURFACES USING MAPEI ULTRACARE CONCENTRATED TILE & GROUT CLEANER (800/992-6273), "SUPER CLEAN", MANUFACTURED BY AHM (AMERICAN FORMULATING & MANUFACTURING) (619/239-0321).
J. SEALING: SEAL TILE AT HORIZONTAL TRAFFIC SURFACES AFTER CLEANING. FLOOR TILE MUST BE COMPLETE DRY. SEAL FLOOR USING MAPEI ULTRACARE PENETRATING STONE, TILE, & GROUT SEALER (800/992-6273). META CRÈME BY DRY-TREAT INC. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

END OF SECTION 09 30 00

SECTION 09 65 00 - MULTILAYER / RIGID CORE FLOORING

PART 1 GENERAL

1.01 SUMMARY

- A. SECTION INCLUDES
1. MULTILAYER / RIGID CORE FLOORING
2. INSTALLATION ACCESSORIES
a. T-MOLDINGS AND TRANSITION PROFILES
b. CLEANERS
B. RELATED REQUIREMENTS
1. SECTION 01 4000, QUALITY REQUIREMENTS
2. SECTION 01 6116, VOLATILE ORGANIC COMPOUND (VOC) CONTENT RESTRICTIONS: SCS FLOORSOURCE® CERTIFICATION DOCUMENTATION
3. SECTION 01 7000, EXECUTION & CLOSEOUT REQUIREMENTS
4. SECTION 01 7419, CONSTRUCTION WASTE MANAGEMENT & DISPOSAL
5. SECTION 07 9513, EXPANSION JOINT COVER ASSEMBLIES
6. SECTION 07 9200, JOINT SEALANTS

1.02 SUBMITTALS

- A. SEE SECTION 01 3000 - ADMINISTRATIVE REQUIREMENTS, FOR SUBMITTAL PROCEDURES.
B. PRODUCT DATA
1. TECHNICAL DATA
2. INSTALLATION & MAINTENANCE
3. WARRANTY
4. SAFETY DATA SHEETS (SDS) FOR ACCESSORIES
5. LEED V4 SUBMITTALS
6. HEALTH PRODUCT DECLARATION (HPD) V2.0 AND/OR DECLARE LABEL
C. SELECTION SAMPLES: SUBMIT MANUFACTURER'S COMPLETE SET OF COLOR SAMPLES FOR ARCHITECT'S INITIAL SELECTION.
D. VERIFICATION SAMPLES: SUBMIT TWO SAMPLES, 4 INCHES X 4 INCHES (101MM X 101MM) IN SIZE, ILLUSTRATING COLOR AND PATTERN FOR EACH MULTILAYER / RIGID CORE FLOORING PRODUCT SPECIFIED.

1.03 QUALITY ASSURANCE

- A. COMPLY WITH APPLICABLE LAWS AND POSSESS VALID LICENSES, REGISTRATIONS, AND/OR CERTIFICATES REQUIRED BY FEDERAL LAW, INCLUDING BUT NOT LIMITED TO LICENSES, REGISTRATIONS, AND/OR CERTIFICATES REQUIRED TO:
1. CONDUCT BUSINESS IN THE DESIGNATED LOCALE.
2. PERFORM THE CONTRACT WORK IT SEEKS TO PERFORM.
B. MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING PRODUCTS SPECIFIED IN THIS SECTION, WITH NOT LESS THAN TEN YEARS OF DOCUMENTED EXPERIENCE.
C. INSTALLER QUALIFICATIONS: PROFESSIONAL-FLOORING CONTRACTORS SHOWING SUCCESSFUL INSTALLATIONS IN SIMILAR SIZE AND SCOPE. PROVIDE TECHNICAL CERTIFICATIONS, QUALIFICATIONS AND RESOURCES, INCLUDING EQUIPMENT, PERSONNEL AND FINANCIAL RESOURCES, TO PERFORM THE REFERENCED CONTRACT.

1.04 WARRANTY

- A. SEE SECTION 01 7800, CLOSEOUT SUBMITTALS, FOR ADDITIONAL WARRANTY REQUIREMENTS.
B. ASPECTA® TEN WARRANTY - 25-YEAR LIMITED NON-PRORATED COMMERCIAL MATERIAL WARRANTY.
COVERAGE INCLUDES:
1. 100% COST OF MATERIAL FOR THE ENTIRE DURATION OF WARRANTY (25 YEARS).
2. PRO-RATED COST OF LABOR (FAIR-MARKET VALUE) FOR THE FIRST 10 YEARS.
3. ONE-TIME TRANSFERABILITY OF WARRANTY.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. UPON RECEIPT, IMMEDIATELY REMOVE ANY SHRINK-WRAP AND CHECK MATERIAL FOR DAMAGE, AND THAT THE MATERIAL IS OF THE CORRECT STYLE, COLOR, QUANTITY AND RUN NUMBERS.
B. GENERAL STORAGE
1. STORE ALL MATERIALS FLAT AND OFF OF THE FLOOR IN AN ACCLIMATIZED, WEATHER-TIGHT SPACE BETWEEN 50°-100°F (10°-38°C).
2. DO NOT DOUBLE STACK PALLETS.

1.06 FIELD CONDITIONS

- A. ACCLIMATE MATERIAL AT JOBSITE BETWEEN 50°-100°F (10°-38°C) AND 40%-60% RH FOR 48 HOURS PRIOR TO INSTALLATION. TEMPERATURE AND RELATIVE HUMIDITY SHOULD ALSO BE MAINTAINED AT THE SAME LEVELS DURING INSTALLATION, AND AFTER INSTALLATION.
B. SPREAD UNOPENED CARTONS NO MORE THAN 6 CARTONS HIGH AND AT LEAST 4 INCHES (101MM) APART.
C. KEEP AWAY FROM HEATING AND COOLING DUCTS AND DIRECT SUNLIGHT.
D. IF PERMANENT HVAC IS NOT OPERATIONAL, TEMPORARY MEANS SHOULD BE USED TO MAINTAIN THE RECOMMENDED TEMPERATURE AND RELATIVE HUMIDITY LEVELS.
E. CLOSE AREAS TO TRAFFIC DURING INSTALLATION OF FLOORING AND ACCESSORIES.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. METROFLOR CORPORATION
1. ADDRESS: 16 OAKWOOD AVENUE, NORWALK, CT 06850.
2. CONTACT: TO FIND THE ASPECTA® COMMERCIAL SALES SPECIALIST THAT SERVICES YOUR AREA - VISIT [HTTP://WWW.ASPECTAFLORING.COM/INDUSTRY-TOOLS/REPRESENTATIVE-SEARCH/](http://www.aspectafl flooring.com/industry-tools/representative-search/).
B. SUBSTITUTIONS: NOT PERMITTED

2.02 MULTILAYER / RIGID CORE FLOORING

- A. ASPECTA® TEN - MULTILAYER / RIGID CORE FLOORING
1. SUBSTITUTIONS: NOT PERMITTED
2. TOTAL THICKNESS (GAUGE): 0.394 INCH (10.0MM).
3. MANUFACTURING, PERFORMANCE, AND SAFETY STANDARDS
1. ASTM F410, WEAR LAYER THICKNESS - PASSES REQUIREMENTS FOR COMMERCIAL CLASSIFICATION.
2. ASTM F2199, DIMENSIONAL STABILITY - SURPASSES REQUIREMENTS.
3. ASTM F925, CHEMICAL RESISTANCE - SURPASSES REQUIREMENTS.
4. ASTM F1614, RESISTANCE TO HEAT - SURPASSES REQUIREMENTS.
5. ASTM F1656, RESISTANCE TO LIGHT - SURPASSES REQUIREMENTS.
6. ASTM E648 / NFPA 263, CRITICAL RADIANT FLUX - CLASS I.
7. ASTM E662 / NFPA 268, SMOKE DENSITY (FLAMING & NON-FLAMING) - PASSES REQUIREMENTS.
8. CHPS/CA SECTION 01650 & ASTM D5116 - PASSES REQUIREMENTS.
9. ASTM F963, SEC. 4.3.5.22(2)(b), HEAVY METALS - PASSES REQUIREMENTS.
10. ASTM D2047, COEFFICIENT OF FRICTION (DRY) - ≥0.6.
11. ASTM F970, STATIC LOAD LIMIT - ≥650 LBS. (SURPASSES REQUIREMENTS).
12. ASTM D4060, ABRASION RESISTANCE - AVERAGE OF 27,500 CYCLES (VARIES WITH EMBOSSE).
13. ASTM D7823/CPSC-CH-C1001-09.3, PHTHALATES - MEETS CPSC GUIDELINES.
14. ASTM E90 & ASTM E413, AIRBORNE SOUND TRANSMISSION LOSS - SOUND TRANSMISSION CLASS (STC) 60.
15. ASTM E492 & ASTM E989, IMPACT SOUND TRANSMISSION (FLOOR-CEILING ASSEMBLIES) - IMPACT INSULATION CLASS (IIC) 69.
16. ASTM G21, ANTIFUNGAL ACTIVITY - TOP SURFACE (LVT) - 1 (TRACES OF GROWTH < 10% GROWTH; BOTTOM SURFACE (UNDERLAYMENT) - 0-1 NO GROWTH TO TRACES OF GROWTH 0 - 10% GROWTH.
17. NALFA 3.2, THICKNESS SWELL - PASSES REQUIREMENTS FOR CLASSES 1-4.
18. NALFA 3.5, LARGE BALL IMPACT RESISTANCE - PASSES REQUIREMENTS FOR CLASSES 1-4.
19. NALFA 3.6, SMALL BALL (DART) IMPACT RESISTANCE - PASSES REQUIREMENTS FOR CLASSES 1-4.

20. NALFA 3.10, SURFACE BONDING - PASSES REQUIREMENTS FOR CLASSES 1-4.
E. SUSTAINABILITY AND AFFILIATIONS:
1. PRODUCT SUSTAINABILITY:
a. FLOORSOURCE® / CHPS 01650.
b. VOC CONTENT LIMITS: AS SPECIFIED IN SECTION 01 6116.
c. NSF/ANSI 332 GOLD IDDES NOT APPLY TO ASPECTA® TEN XXL / CRESCENT OAK PRODUCTS).
d. LEED V4 - POTENTIAL CONTRIBUTIONS TOWARDS CERTIFICATION:
1) MR CREDIT 4, MATERIAL INGREDIENTS DOES NOT APPLY TO ASPECTA® TEN XXL / CRESCENT OAK PRODUCTS).
2) EQ CREDIT 2, LOW-EMITTING MATERIALS: FLOORING SYSTEMS.
3) IN CREDIT 1, INNOVATION - PILOT CREDIT DOES NOT APPLY TO ASPECTA® TEN XXL / CRESCENT OAK PRODUCTS).
e. GREEN GLOBES - POTENTIAL CONTRIBUTIONS TOWARDS CERTIFICATION:
1) SECTION 3.5 - MATERIALS & RESOURCES (SUBSECTION 3.5.2.2.1.1), DESCRIPTIVE PATH FOR INTERIOR FIT-OUTS (DOES NOT APPLY TO ASPECTA® TEN XXL / CRESCENT OAK PRODUCTS).
2) SECTION 3.7 - INDOOR ENVIRONMENT (SUBSECTION 3.7.2.1.4), VOLATILE ORGANIC COMPOUNDS: FLOORS & FLOOR COVERINGS.
3) SECTION 3.7 - INDOOR ENVIRONMENT (SUBSECTION 3.7.5.1.3), ACOUSTIC COMFORT DESIGN - STC.
4) SECTION 3.7 - INDOOR ENVIRONMENT (SUBSECTION 3.7.5.1.4), ACOUSTIC COMFORT DESIGN - IIC.
f. THE WELL BUILDING STANDARD V1 - POTENTIAL CONTRIBUTIONS TOWARDS CERTIFICATION:
1) AIR - FEATURE 04 (VOC REDUCTION), PART 3(A): FLOORING.
2) AIR - FEATURE 25 (TOXIC MATERIAL REDUCTION), PART 2(B): FLAME RETARDANT LIMITATION - FLOORING.
3) AIR - FEATURE 25 (TOXIC MATERIAL REDUCTION), PART 3(A): PHTHALATE (PLASTICIZERS) LIMITATION - FLOORING.
4) AIR - FEATURE 28 (CLEANABLE ENVIRONMENT), PARTS 1(A)(B)(C) - MATERIAL PROPERTIES - HIGH-TOUCH & NON-POROUS SURFACES.
5) AIR - FEATURE 28 (CLEANABLE ENVIRONMENT), PART 2(A) - CLEANABILITY.
6) MIND - FEATURE 97 (MATERIAL TRANSPARENCY), PARTS 1(A)(B): MATERIAL INFORMATION (DOES NOT APPLY TO ASPECTA® TEN XXL / CRESCENT OAK PRODUCTS).
7) MIND - FEATURE 97 (MATERIAL TRANSPARENCY), PART 2(A): ACCESSIBLE INFORMATION (DOES NOT APPLY TO ASPECTA® TEN XXL / CRESCENT OAK PRODUCTS).

2.03 ACCESSORIES

- A. T-MOLDINGS AND TRANSITION PROFILES
2. CONTACT THE MANUFACTURER FOR MORE INFORMATION ON THE RECOMMENDED T-MOLDINGS AND TRANSITION PROFILES.
3. SUBSTITUTIONS: NOT PERMITTED.
B. CLEANERS
1. REFER TO THE ASPECTA® TEN INSTALLATION GUIDE/MANUAL FOR THE RECOMMENDED PREVAIL® CLEANERS.
2. SUBSTITUTIONS: NOT PERMITTED.
3. SUSTAINABILITY
a. CARB.
b. VOC CONTENT LIMITS: AS SPECIFIED IN SECTION 01 6116.

PART 3 EXECUTION

3.01 EXAMINATION PER SECTION 01 7000 AND AS FOLLOWS:

- A. INSTALL FLOORING AFTER OTHER OPERATIONS (INCLUDING PAINTING) HAVE BEEN COMPLETED.
B. ACCEPTANCE OF CONDITIONS: CAREFULLY EXAMINE ALL INSTALLATION AREAS WITH INSTALLER/APPLICATOR PRESENT, FOR COMPLIANCE WITH REQUIREMENTS AFFECTING WORK PERFORMANCE.
1. VERIFY THAT FIELD MEASUREMENTS, PRODUCT, SUBSTRATES, SURFACES, STRUCTURAL SUPPORT, TOLERANCES, LEVELNESS, TEMPERATURE, HUMIDITY, MOISTURE CONTENT LEVEL, PH, CLEANLINESS AND OTHER CONDITIONS ARE AS REQUIRED BY THE MANUFACTURER, AND READY TO RECEIVE WORK.
C. VERIFY THAT SUBSTRATE IS CONTAMINANT-FREE (INCLUDING OLD ADHESIVES AND ABATEMENT CHEMICALS).
D. TEST SUBSTRATES AS REQUIRED BY MANUFACTURER TO VERIFY PROPER CONDITIONS EXIST.
1. CONCRETE
E. VERIFY THAT REQUIRED FLOOR-MOUNTED UTILITIES ARE IN CORRECT LOCATION.

3.02 PREPARATION

- A. PRIOR TO INSTALLATION, THE FLOORING INSTALLER SHOULD PLAN AND ATTEND AN ON-SITE CONSTRUCTION MEETING WITH THE GENERAL CONTRACTOR, ARCHITECT AND PROPERTY OWNER TO REVIEW ALL REQUIREMENTS AND INSPECT SITE CONDITIONS AS OUTLINED IN THE MANUFACTURER'S INSTALLATION DOCUMENT, AS WELL AS TO REVIEW THE REQUIREMENTS OF ASTM F710 AND ANY RELEVANT BUILDING CODES, OR LOCAL, STATE, OR NATIONAL REGULATIONS.
B. FLOORING INSTALLATION SHOULD NOT BEGIN UNTIL ALL SITE CONDITIONS HAVE BEEN ASSESSED, TESTING HAS BEEN COMPLETED AND SUBFLOOR CONDITIONS HAVE BEEN APPROVED.
C. PREPARE PER MANUFACTURER'S WRITTEN INSTRUCTIONS, SECTION 01 7000, AND AS FOLLOWS:
1. CONCRETE SUBSTRATES: PREPARE SUBSTRATE PER ASTM F710 AND MANUFACTURER'S INSTALLATION GUIDE/MANUAL.

3.03 INSTALLATION

- A. INSTALLATION PER MANUFACTURER'S WRITTEN INSTRUCTIONS, SECTION 01 7000, AND AS FOLLOWS:
1. LAYOUT SHALL BE SPECIFIED BY ARCHITECT, DESIGNER, OR END USER.
2. FOLLOW LAYOUT AND ENSURE INSTALLATION REFERENCE LINES ARE SQUARE.
3. REQUIRED IN ROOMS GREATER THAN 100 FEET (30.5 METERS) IN EITHER DIRECTION:
a. INSTALL T-MOLDINGS PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND SECTION 01 7000.
4. INSTALL OTHER TRANSITION PROFILES (AS NEEDED) PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
a. REDUCERS, END MOLDINGS, AND STAIR MOLDINGS ARE ALSO AVAILABLE FOR ASPECTA® TEN (IN ADDITION TO T-MOLDINGS).

3.04 FIELD QUALITY CONTROL

- A. SITE TESTS AND INSPECTIONS PER SECTION 01 4000 AND AS FOLLOWS:
1. INSPECT FLOORING INSTALLATION FOR NON-CONFORMING WORK, INCLUDING (BUT NOT LIMITED TO) THE FOLLOWING:
a. IMPROPER PLACEMENT OF T-MOLDINGS.
b. IMPROPER USE OF TRANSITION PROFILES.
c. LACK OF PROPER EXPANSION SPACE AROUND PERIMETERS AND ALL FIXED OBJECTS.
d. IMPROPER SUBSTRATE PREPARATION (AS INDICATED BY GRAPHICING).
e. DAMAGE TO TILES, INCLUDING DENTS/INDENTATIONS, CUTS, CRACKS, BURNS OR PUNCTURES.
f. NON-CONFORMING WORK PER GENERAL CONDITIONS AND AS FOLLOWS:
1. REPAIR OR REPLACE DAMAGED MATERIAL IF NOT ACCEPTABLE TO THE ARCHITECT.

3.05 CLEANING

- A. WASTE MANAGEMENT PER SECTION 01 7000 OR 01 7419.
B. PROVIDE PROGRESS CLEANING PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND SECTION 01 7000.
C. PROVIDE FINAL CLEANING IMMEDIATELY PRIOR TO SUBSTANTIAL COMPLETION INSPECTION PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND SECTION 01 7000.

3.06 MAINTENANCE

- A. INITIAL MAINTENANCE PER FLOORING MANUFACTURER'S WRITTEN INSTRUCTIONS.

3.07 PROTECTION

- A. PROTECT MATERIALS FROM CONSTRUCTION OPERATIONS UNTIL DATE OF FINAL COMPLETION OR OWNER OCCUPANCY, WHICHEVER OCCURS FIRST.
1. PROTECT FINISHED FLOOR FROM ABUSE AND DAMAGE BY USING HEAVY, NON-STAINING KRAFT PAPER, DROP CLOTHS, OR EQUIVALENT. USE ADDITIONAL, NON-DAMAGING PROTECTIVE MATERIALS, AS NEEDED.

END OF SECTION 09 65 00

NEW STORE



GAP INC.
STORE DEVELOPMENT
2 FOLSOM STREET
SAN FRANCISCO, CA 94105

ORACLE I.D.:

140261

STORE NUMBER:

7341

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:



ARCHITECT OF RECORD:

MARIAH MEYER
8131 METCALF AVE
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CONSULTANT INFO:

PROFESSIONAL STAMP:

ISSUE TYPE:

LL/PERMIT/BIID: 02/19/21

REVISIONS:

DRAWN BY: KDA

A/E JOB NUMBER: 65011072

TITLE SHEET:

SPECIFICATIONS

SHEET NUMBER:

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