

SEAL:



MATERIAL AND LABOR AND RESPONSIBILITY SCHEDULE					
ITEM	FURNISH	INSTALL	DC	OWNER	NOTES
LVT FLOOR FINISH	X	X			A
MILL	X	X			H
SETTING MATERIALS, GROUTS	X	X			
REPLACE BURROUND					B.E.F.
CHANGING ROOM VANITY	X	X			B.E.F.
CHANGING ROOM VANITY COUNTERTOP	X	X			B.E.F. GC TO PROVIDE AND INSTALL SINK AND FAUCET
BUILT-IN LAUNDRY HAMPER/STORAGE	X	X			B.E.F.
MANIPULATOR BASE & UPPER CABINETS	X	X			B.E.F. GC TO PROVIDE AND INSTALL SINK AND FAUCET
PREP COUNTER BASE	X	X			B.E.F.
PREP COUNTER SHELVES & STANDARDS	X	X			B.E.F.
PREP COUNTER BASE & UPPER CABINETS	X	X			B.E.F.
COMPUTER COUNTER BASE	X	X			B.E.F.
COMPUTER COUNTER SHELVES & STANDARDS	X	X			B.E.F.
UTILITY COUNTER BASE & UPPER CABINETS	X	X			B.E.F.
LAUNDRY COUNTER BASE	X	X			B.E.F.
LAUNDRY COUNTER SHELVES & STANDARDS	X	X			B.E.F.
TALL STORAGE CABINET- LOCKING	X	X			B.E.F.
CLOSET SHELVES & HOOKS	X	X			B.E.F.
OFFICE COUNTER & SUPPORTS	X	X			B.E.F.
OFFICE SHELVES & STANDARDS	X	X			B.E.F.
RETAIL DISPLAY	X	X			B.E.F.
TUB	X	X			H
VOUCHER SHOWER	X	X			EQUIPMENT START UP BY VENDOR
WASHER & DRYER	X	X			EQUIPMENT START UP BY VENDOR
TOILET/SHOWER EQUIPMENT FURNITURE	X	X			B.F.
WASIKAGE EQUIPMENT	X	X			B.F.
RESTROOM SOAP DISPENSERS & SHOWER CADDY	X	X			B.F.
COMPUTER/PHONE EQUIPMENT	X	X			B.F.
EXTERIOR SIGNAGE	X	X			D.E.F. PERMITTING BY VENDOR
INTERIOR DECORATION	X	X			B.F.
POS, COMPUTER, DATA WIRING	X	X			F. BACKING, SUPPORT, ELECTRICAL POWER AND OUTLETS, DATA CONDUIT, SCHEDULED BY GC.
MUSIC SYSTEM	X	X			B.F.
SPEAKERS, SOUND EMPLOYERS, BLACK BOXES	X	X			F.5
MUSIC WIRING	X	X			F.5
SECURITY SYSTEM EQUIPMENT & WIRING	X	X			F.5
WALL SCOFFS & CHANDLIER	X	X			R.F. GC LAMPS ARE PROVIDED BY GC
EMERGENCY LIGHTING	X	X			B.F.
GENERAL LIGHTING	X	X			F
PHONES	X	X			F
PHONE & DATA WIRING FROM DEMARK TO OFFICE	X	X			F. OWNER TO COORDINATE WITH PHONE CO. GC TO SUPPLY CONDUIT

- NOTES
- GC SHALL USE DESIGNATED VENDOR FOR MATERIAL.
 - GC SHALL RECEIVE UNPACK, ASSEMBLE, SET IN PLACE, DISPOSE OF PACKING MATERIALS.
 - GC SHALL PROVIDE ALL LAMPS.
 - ELECTRIC CONSULT, CONTROLS & CONNECTION TO BISH BY GC.
 - WALL SUBSTRATE FINISHES BY GC. COORDINATE W/ MILLWORK FABRICATOR AT FRAMING STAGE.
 - GENERAL CONTRACTOR SHALL COORDINATE ALL QUANTITIES, DELIVERY, INSTALLATION, ACCESS AND SCHEDULES W/ VENDOR & OWNER.
 - GC TO PROVIDE SINGLE GANG/ VOLUME CONTROL, SWITCH BOX, CONDUIT AND PULL STRING TO ABOVE FINISHED CEILING.
 - GC SHALL USE DESIGNATED VENDOR FOR MATERIAL.

APPROVED VENDOR LIST					
VENDOR NUMBER	VENDOR NAME	CONTACT	TELEPHONE	E-MAIL	DESCRIPTION
1	VINTAGE TUB & BATH	DELEANNA K		DELEANNA@VINTAGETUB.COM	TUB
2	NEW ENGLAND LOCKER COMPANY	ORAG OR SCOTT	(800) 486-1486		LOCKERS
3	WIRETEL.COM.COM	RYAN BALDWIN	(315) 326-0001	RBALDWIN@LINK-IT.TECH	SOUND SYSTEM/ON-HOLD MESSAGES
4	LIVING EARTH CRAFTS	ERICA COBLE	(800) 358-8282	ERIC@LIVINGEARTHCRAFTS.COM	SPA EQUIPMENT
5	DAL-TILE	FABIAN BRADEN	(713) 614-3638	FABIAN.BRADEN@DAL.TILE.COM	CERAMIC TILE & QUARTZ COUNTERTOP
6	SHERWIN WILLIAMS	MIKE BALLEE	(713) 688-5111	MIKE.W.BALLEE@SHERWIN.COM	LVT FLOORING
7	AMICO INTERNATIONAL	BETH BENOFF	(713) 367-3890	BETH.BENOFF@MANNINGTON.COM	LVT FLOORING
8	WOODHOUSE	WANDA BISHOP	(877) 570-7772	WANDA@WOODHOUSESPAS.COM	DECORATIVE LIGHTING, FURNITURE, DECOR

ALL ITEMS SHALL BE PROVIDED BY THE GC UNLESS SPECIFICALLY NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS. GC SHALL USE NATIONAL ACCOUNT PRICING WHEN AVAILABLE THRU DESIGNATED DESIGN PROFESSIONALS.

SECTION 104416
FIRE EXTINGUISHERS

- 1.1 SUMMARY
A. SECTION INCLUDES PORTABLE, HAND-CARRIED FIRE EXTINGUISHERS AND MOUNTING BRACKETS FOR FIRE EXTINGUISHERS.

- 1.2 QUALITY ASSURANCE
A. NFPA COMPLIANCE: FABRICATE AND LABEL FIRE EXTINGUISHERS TO COMPLY WITH NFPA 10, "PORTABLE FIRE EXTINGUISHERS."
B. FIRE EXTINGUISHERS: LISTED AND LABELED FOR TYPE, RATING, AND CLASSIFICATION BY AN INDEPENDENT TESTING AGENCY ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

- 1.3 WARRANTY
A. SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR OR REPLACE FIRE EXTINGUISHERS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.
1. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
a. FAILURE OF HYDROSTATIC TEST ACCORDING TO NFPA 10.
b. FAULTY OPERATION OF VALVES OR RELEASE LEVERS.

2. WARRANTY PERIOD: MANUFACTURER'S STANDARD FORM AND TERM.
PART 2 - PRODUCTS
2.1 PORTABLE, HAND-CARRIED FIRE EXTINGUISHERS
A. FIRE EXTINGUISHERS: TYPE, SIZE, AND CAPACITY FOR EACH MOUNTING BRACKET INDICATED.
1. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
a. ANSUL INCORPORATED, TYCO INTERNATIONAL LTD.
b. BUCKEYE FIRE EQUIPMENT COMPANY.
c. LARSEN'S MANUFACTURING COMPANY.
d. MOON-AMERICAN.
e. PYRO-CHEM, TYCO SAFETY PRODUCTS.

2. INSTRUCTION LABELS: INCLUDE PICTORIAL MARKING SYSTEM COMPLYING WITH NFPA 10, APPENDIX B.
B. DRY-CHEMICAL TYPE: UL-RATED 10 LB. ABC, WITH MONOAMMONIUM PHOSPHATE BASED CHEMICAL IN STAINLESS-STEEL CONTAINER, WITH PRESSURE-INDICATING GAGE.
2.2 MOUNTING BRACKETS
A. MOUNTING BRACKETS: MANUFACTURER'S STANDARD GALVANIZED STEEL, DESIGNED TO SECURE FIRE EXTINGUISHER TO WALL OR STRUCTURE, OF SIZES REQUIRED FOR TYPES AND CAPACITIES OF FIRE EXTINGUISHERS INDICATED, WITH PLATED OR RED BAKED-ENAMEL FINISH.
B. IDENTIFICATION: LETTERING COMPLYING WITH AUTHORITIES HAVING JURISDICTION FOR LETTER STYLE, SIZE, SPACING, AND LOCATION. LOCATE AS INDICATED BY ARCHITECT.
1. IDENTIFY BRACKET-MOUNTED FIRE EXTINGUISHERS WITH THE WORDS "FIRE EXTINGUISHER" IN RED LETTER DECALS APPLIED TO MOUNTING SURFACE.

- 2.3 CABINETS
A. SEMI RECESSED WALL CABINET AT LOCATIONS SHOWN ON DRAWINGS. REFER TO DRAWINGS FOR CABINET SPECIFICATION AND FINISH. SECURE TO WALL CONSTRUCTION AT LOCATION NOTED.

- PART 3 - EXECUTION
3.1 INSTALLATION
A. EXAMINE FIRE EXTINGUISHERS FOR PROPER CHARGING AND TAGGING.
1. REMOVE AND REPLACE DAMAGED, DEFECTIVE, OR UNDERCHARGED FIRE EXTINGUISHERS.
B. INSTALL FIRE EXTINGUISHERS AND MOUNTING BRACKETS IN LOCATIONS INDICATED AND IN COMPLIANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
1. MOUNTING BRACKETS: 54 INCHES (1372 MM) ABOVE FINISHED FLOOR TO TOP OF FIRE EXTINGUISHER.
C. MOUNTING BRACKETS: FASTEN MOUNTING BRACKETS TO SURFACES, SQUARE AND PLUMB, AT LOCATIONS INDICATED.
END OF SECTION 104416

SECTION 107313
AWNINGS

- 1.1 SUMMARY
A. THIS SECTION INCLUDES THE FOLLOWING:
1. FIXED AWNINGS.

- 1.2 PERFORMANCE REQUIREMENTS
A. DESIGN, FABRICATE, AND INSTALL AWNINGS TO WITHSTAND LOADS FROM GRAVITY, WIND, SNOW, PONDING, DRIFT, SEISMIC, AND STRUCTURAL MOVEMENT, INCLUDING THERMALLY INDUCED MOVEMENT, AND TO RESIST, WITHOUT FAILURE, OTHER CONDITIONS OF IN-SERVICE USE, INCLUDING EXPOSURE TO WEATHER.

- 1.3 SUBMITTALS
A. PRODUCT DATA: FOR EACH TYPE OF AWNING INDICATED.
B. SHOP DRAWINGS: INCLUDE PLANS, ELEVATIONS, SECTIONS, DETAILS, ATTACHMENTS TO OTHER WORK, AND OPERATIONAL CLEARANCES. SHOW COLORS AND GRAPHIC LAYOUT AND CONTENT:
1. INCLUDE STRUCTURAL ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION WORK AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
C. SAMPLES: FOR EACH COLORED OR FINISHED AWNING COMPONENT.
D. MAINTENANCE DATA.

1.4 QUALITY ASSURANCE
A. INSTALLER QUALIFICATIONS: FABRICATOR OF PRODUCTS.

1. INSTALLER'S RESPONSIBILITIES INCLUDE FABRICATING AND INSTALLING AWNINGS AND PROVIDING PROFESSIONAL ENGINEERING SERVICES NEEDED TO ASSUME ENGINEERING RESPONSIBILITY.
B. WELDING: QUALIFY PROCEDURES AND PERSONNEL ACCORDING TO AWS D1.1/D1.1M, "STRUCTURAL WELDING CODE-STEEL."

- 1.5 WARRANTY
A. SPECIAL WARRANTY: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AND FABRICATOR AGREE TO REPAIR OR REPLACE COMPONENTS OF AWNINGS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.
1. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
a. STRUCTURAL FAILURES INCLUDING FRAMEWORK.
b. DETERIORATION OF METALS, METAL FINISHES, AND OTHER MATERIALS BEYOND NORMAL WEATHERING.
2. AWNING WARRANTY PERIOD: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

- PART 2 - PRODUCTS
2.1 MANUFACTURERS
A. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE AWNING INDICATED ON DRAWINGS.
2.2 AWNING SLATS
A. BASIS-OF-DESIGN PRODUCT: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE PRODUCT INDICATED ON DRAWINGS.

- 2.3 AWNING FRAMES
A. ALUMINUM FRAMES:
1. ALUMINUM TUBES, SHAPES, AND BARS: ASTM A 36/A 36M.
2. ALUMINUM PLATING: ASTM A 500, GRADE AS REQUIRED BY STRUCTURAL LOADS.
3. ALUMINUM PIPE: ASTM A 53/A 53M, STANDARD WEIGHT (SCHEDULE 40) UNLESS ANOTHER WEIGHT IS INDICATED OR REQUIRED BY STRUCTURAL LOADS.
4. ALUMINUM FINISH: MANUFACTURER'S STANDARD POWDER-COAT FINISH COMPLYING WITH FINISH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR SURFACE PREPARATION INCLUDING PRETREATMENT, APPLICATION, BAKING, AND MINIMUM DRY FILM THICKNESS.
B. ANCHORS, FASTENERS, FITTINGS, HARDWARE, AND INSTALLATION ACCESSORIES: COMPLYING WITH PERFORMANCE REQUIREMENTS INDICATED AND SUITABLE FOR EXPOSURE CONDITIONS, SUPPORTING STRUCTURE, ANCHORING SUBSTRATES, AND INSTALLATION METHODS INDICATED. CORROSION-RESISTANT OR NONCORROSION-RESISTANT, WEATHER-RESISTANT, TAMPERPROOF, VANDAL- AND THEFT-RESISTANT, COMPATIBLE, NONSTAINING MATERIALS. PROVIDE AS REQUIRED FOR AWNING ASSEMBLY MOUNTING, AND SECURE ATTACHMENT. NUMBER AS NEEDED TO COMPLY WITH PERFORMANCE REQUIREMENTS AND TO MAXIMIZE APPEARANCE, EVENLY SPACED, WHERE EXPOSED TO VIEW, WITH FINISH AND COLOR AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
C. BITUMINOUS PAINT: COLD-APPLIED ASPHALT EMULSION COMPLYING WITH ASTM D 1187.

- 2.4 AWNING FABRICATION
A. EDGES TO BE SMOOTH
B. FRAMES: PREASSEMBLE AWNING FRAMES IN THE SHOP TO GREATEST EXTENT POSSIBLE.
1. FORM BENT-METAL CORNERS TO SMALLEST RADIUS POSSIBLE WITHOUT CAUSING GRAIN SEPARATION OR OTHERWISE IMPAIRING WORK.
2. FORM EXPOSED WORK TRUE TO LINE AND LEVEL WITH ACCURATE ANGLES AND SURFACES AND STRAIGHT EDGES.
3. WELD CORNERS AND CONNECTIONS CONTINUOUSLY. OBTAIN FUSION WITHOUT UNDERCUT OR OVERLAP. REMOVE WELDING FLUX IMMEDIATELY. AT EXPOSED CORNERS AND CONNECTIONS, FINISH EXPOSED WELDS AND SURFACES SMOOTH AND BLENDED SO NO ROUGHNESS SHOWS AFTER FINISHING AND CONTOUR OF WELDED SURFACE MATCHES THAT OF ADJACENT SURFACE.
4. PROVIDE FOR ANCHORAGE OF TYPE INDICATED, COORDINATE WITH SUPPORTING STRUCTURE. SPACE ANCHORING DEVICES TO SECURE METAL FABRICATIONS IN PLACE AND TO PROPERLY TRANSFER LOADS.

- D. COLORS OF METAL AND PLASTIC COMPONENTS EXPOSED TO VIEW: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.

- PART 3 - EXECUTION
3.1 INSTALLATION
A. GENERAL: INSTALL AWNINGS AT LOCATIONS AND IN POSITION INDICATED, SECURELY CONNECTED TO SUPPORTS, FREE OF RACK, AND IN PROPER RELATION TO ADJACENT CONSTRUCTION. USE MOUNTING METHODS OF TYPES DESCRIBED AND IN COMPLIANCE WITH SHOP DRAWINGS AND FABRICATOR'S WRITTEN INSTRUCTIONS.

- B. INSTALL AWNINGS AFTER OTHER FINISHING OPERATIONS, INCLUDING JOINT SEALING AND PAINTING, HAVE BEEN COMPLETED.
C. ATTACH SLATS TO FRAMES AS RECOMMENDED BY FABRICATOR.
D. SLIP FIT FRAME CONNECTIONS ACCURATELY TOGETHER TO FORM HAIRLINE JOINTS AND TIGHTEN TO SECURE.
E. WELD FRAME CONNECTIONS THAT ARE NOT TO BE LEFT AS EXPOSED JOINTS BUT CANNOT BE SHOP WELDED BECAUSE OF SHIPPING SIZE LIMITATIONS.
1. FIELD WELDING: COMPLY WITH THE FOLLOWING REQUIREMENTS:
F. USE MATERIALS AND METHODS THAT MINIMIZE DISTORTION AND DEVELOP STRENGTH AND CORROSION RESISTANCE OF BASE METALS.
G. OBTAIN FUSION WITHOUT UNDERCUT OR OVERLAP.
H. REMOVE WELDING FLUX IMMEDIATELY.
I. AT EXPOSED CONNECTIONS, FINISH EXPOSED WELDS AND SURFACES SMOOTH AND BLENDED SO NO ROUGHNESS SHOWS AFTER FINISHING AND CONTOUR OF WELDED SURFACE MATCHES THAT OF ADJACENT SURFACE.
J. ANCHORING TO IN-PLACE CONSTRUCTION: USE ANCHORS, FASTENERS, FITTINGS, HARDWARE, AND INSTALLATION ACCESSORIES WHERE NECESSARY FOR SECURING AWNINGS TO STRUCTURAL SUPPORT AND FOR PROPERLY TRANSFERRING LOAD TO IN-PLACE CONSTRUCTION.
K. CORROSION PROTECTION: COAT CONCEALED SURFACES OF ALUMINUM THAT WILL COME INTO CONTACT WITH GROUT, CONCRETE, MASONRY, WOOD, OR DISSIMILAR METALS WITH A HEAVY COAT OF BITUMINOUS PAINT.
L. COORDINATE AWNING INSTALLATION WITH FLASHING AND JOINT-SEALANT INSTALLATION SO THESE MATERIALS ARE INSTALLED IN SEQUENCE AND MANNER THAT PREVENT EXTERIOR MOISTURE FROM PASSING THROUGH COMPLETED EXTERIOR WALL AND ROOF ASSEMBLIES.
M. TOUCHUP PAINTING: IMMEDIATELY AFTER ERECTION, CLEAN FIELD WELDS, CONNECTIONS, AND ABRADED AREAS. PAINT UNCOATED AND ABRADED AREAS WITH SAME OR COMPATIBLE MATERIAL AS USED FOR SHOP-APPLIED FINISH PAINTING. APPLY BY BRUSH OR SPRAY TO PROVIDE A MINIMUM 2.0-MIL (0.05-MM) DRY FILM THICKNESS.
END OF SECTION 107313

SECTION 123661
QUARTZ COUNTERTOPS

- PART 1 - GENERAL
1.1 SUMMARY
A. SECTION INCLUDES
1. QUARTZ COUNTERTOPS
2. SETTING MATERIALS AND ACCESSORIES.

- 1.2 REFERENCES
A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI):
1. A108.5 - INSTALLATION OF CERAMIC TILE WITH DRY-SET PORTLAND CEMENT MORTAR OR LATEX PORTLAND CEMENT MORTAR.
2. A118.4 - LATEX-PORTLAND CEMENT MORTAR.
B. ASTM INTERNATIONAL (ASTM):
1. C97 - STANDARD TEST METHODS FOR ABSORPTION AND BULK SPECIFIC GRAVITY OF DIMENSION STONE.
2. C99 - STANDARD TEST METHOD FOR MODULUS OF RUPTURE OF DIMENSION STONE.
3. C170 - STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF DIMENSION STONE.
4. C241 - STANDARD TEST METHOD FOR ABRASION RESISTANCE OF STONE SUBJECTED TO FOOT TRAFFIC.
5. C482 - STANDARD TEST METHOD FOR BOND STRENGTH OF CERAMIC TILE TO PORTLAND CEMENT.
6. C684 - STANDARD TEST METHOD FOR THERMAL SHOCK RESISTANCE OF GLAZED CERAMIC TILE.
7. C831 - STANDARD TEST METHOD FOR LINEAR SHRINKAGE AND COEFFICIENT OF THERMAL EXPANSION OF CHEMICAL-RESISTANT MORTARS, GROUTS, MONOLITHIC SURFACINGS, AND POLYMER CONCRETES.
8. C648 - STANDARD TEST METHOD FOR BREAKING STRENGTH OF CERAMIC TILE.
9. C650 - STANDARD TEST METHOD FOR RESISTANCE OF CERAMIC TILE TO CHEMICAL SUBSTANCES.
10. C1072/C1072M - STANDARD TEST METHOD FOR SCALING RESISTANCE OF CONCRETE SURFACES EXPOSED TO DEICING CHEMICALS.
11. C880 - STANDARD TEST METHOD FOR FLEXURAL STRENGTH OF DIMENSION STONE.
12. C1028 - STANDARD TEST METHOD FOR MEASURING THE RESISTANCE OF CERAMIC TILE TO FREEZE-THAW CYCLING.
13. C1028 - STANDARD TEST METHOD FOR DETERMINING THE STATIC COEFFICIENT OF FRICTION OF CERAMIC TILE AND OTHER USE SURFACES BY THE HORIZONTAL DYNAMOMETER PULL-METER METHOD.
14. E84 - STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.

- 1.3 SUBMITTALS
A. SHOP DRAWINGS: INCLUDE COUNTERTOP LAYOUT, DIMENSIONS, MATERIALS, FINISHES, CUTOUTS, AND ATTACHMENTS.
1.4 QUALITY ASSURANCE
A. FABRICATOR AND INSTALLER QUALIFICATIONS: MINIMUM 2 YEARS EXPERIENCE IN WORK OF THIS SECTION.
B. MOCKUP:
1. CONSTRUCT COUNTERTOP MOCKUP, 8 FEET WIDE, FULL DEPTH, WITH SPLASH.

2. APPROVED MOCKUP MAY REMAIN AS PART OF THE WORK.
1.5 WARRANTY
A. PROVIDE MANUFACTURER'S 10 YEAR WARRANTY AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.
PART 2 - PRODUCTS
2.1 MANUFACTURERS
A. PROVIDE AS SCHEDULED ON DRAWINGS.
B. SUBSTITUTIONS: NOT PERMITTED.
2.2 MATERIALS
A. QUARTZ SHEET:
1. PRODUCT: AS SCHEDULED ON DRAWINGS.
2. COMPOSITION: QUARTZ AGGREGATE, RESIN, AND COLOR PIGMENTS FORMED INTO FLAT SLABS.
3. ANTI-MICROBIAL PROTECTION: MICROBAN BY MICROBAN INTERNATIONAL, INC., INTEGRAL TO SHEET.
4. COLOR: AS SCHEDULED ON DRAWINGS.
5. THICKNESS:
6. PHYSICAL CHARACTERISTICS:
- STATIC COEFFICIENT OF FRICTION: 1.02 DRY, 0.51 WET, TESTED TO ASTM C1028.
- WATER ABSORPTION: MAXIMUM 0.05 PERCENT, TESTED TO ASTM C97.
- COMPRESSIVE STRENGTH: MINIMUM 29,000 PSI, TESTED TO ASTM C170.
- BOND STRENGTH: MINIMUM 210 PSI, TESTED TO ASTM C482.
- MODULUS OF RUPTURE: MINIMUM 6000 PSI, TESTED TO ASTM C99.
- FLEXURAL STRENGTH: MINIMUM 5800 PSI, TESTED TO ASTM C880.
- BREAKING STRENGTH: MINIMUM 480 LBF, TESTED TO ASTM C648.
- STAIN RESISTANCE: NOT AFFECTED BY 10 PERCENT HYDROCHLORIC ACID OR 10 PERCENT KOH, TESTED TO ASTM C650.
- THERMAL SHOCK RESISTANCE: PASS 5 CYCLES, TESTED TO ASTM C484.
- MARSHALL INDEX: 16-H+ > 25, TESTED TO ASTM C241.
- THERMAL EXPANSION: 1.670 X 10-5 IN/IN/DEG F, TESTED TO ASTM C531.
- DEICING RESISTANCE: RATING OF 0, TESTED TO ASTM C1072/C1072M.
- FREEZE-THAW RESISTANCE: 0 TILES AT 15 CYCLES, TESTED TO ASTM C1028.
- FLAME SPREAD RATING: CLASS 1, TESTED TO ASTM E84.

- 2.3 ACCESSORIES
A. LATEX-PORTLAND CEMENT MORTAR: ANSI A118.4.
B. JOINT SEALER:
1. LATEX TILE AND STONE SEALANT BY LATICRETE INTERNATIONAL, INC.
2. COLOR TO BE SELECTED FROM MANUFACTURER'S FULL COLOR RANGE.
2.4 FABRICATION
A. CUT QUARTZ PANELS ACCURATELY TO REQUIRED SHAPES AND DIMENSIONS.
B. RADIUS EXPOSED EDGES.
C. FABRICATE WITH HAIRLINE JOINTS.
D. CUT HOLES FOR SINKS, FAUCETS, TOILET ACCESSORIES.
PART 3 - EXECUTION
3.1 PREPARATION
A. CLEAN SURFACES TO RECEIVE COUNTERTOPS; REMOVE LOOSE AND FOREIGN MATTER THAN COULD INTERFERE WITH ADHESION.
3.2 INSTALLATION
A. INSTALL COUNTERTOPS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SHOP DRAWINGS.
B. SET IN THIN SET MORTAR BED IN ACCORDANCE WITH ANSI A 108.5.
C. SET PLUMB AND LEVEL. ALIGN ADJACENT PIECES IN SAME PLANE.
D. INSTALL WITH HAIRLINE JOINTS.
E. FILL JOINTS BETWEEN COUNTERTOPS AND ADJACENT CONSTRUCTION WITH JOINT SEALER; FINISH SMOOTH AND FLUSH.
3.3 INSTALLATION TOLERANCES
A. MAXIMUM VARIATION FROM LEVEL AND PLUMB: 1/8 INCH IN 10 FEET, NONCUMULATIVE.
B. MAXIMUM VARIATION IN PLANE BETWEEN ADJACENT PIECES AT JOINT: PLUS OR MINUS 1/16 INCH.
3.4 CLEANING
A. CLEAN COUNTERTOPS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3.5 PROTECTION
A. PROTECT INSTALLED COUNTERTOPS WITH NONSTAINING SHEET COVERINGS.
END OF SECTION 123661

NO DATE REMARKS
REVISIONS

THE WOODHOUSE
day spa

WOODHOUSE DAY SPA
RENOVATION
MARKET STREET
9595 SIX PINES DRIVE
THE WOODLANDS, TEXAS 77680

PROJECT NO: 2019.0172
DATE: 04-08-2019

A0.10

CHECKED: TG DRAWN: KW