KNOTWOOD (CONTINUED)

EXECUTION

EXAMINATION
A. DO NOT BEGIN INSTALLATION UNTIL COLORS HAVE BEEN VERIFIED.
B. VERIFY FRAMING MEMBERS ARE READY TO RECEIVE PANEL SYSTEM.
C. IF PREPARATION IS THE RESPONSIBILITY OF ANOTHER INSTALLER, NOTIFY ARCHITECT OF UNSATISFACTORY PREPARATION BEFORE PROCEEDING.

PREPARATION
A. CLEAN SURFACES THOROUGHLY PRIOR TO INSTALLATION.
B. PREPARE SURFACES USING METHODS RECOMMENDED BY THE MANUFACTURER.

INSTALLATION
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
B. BARRIER PROTECTION: DO NOT INSTALL OVER CEMENTITIOUS MATERIALS, DISSIMILAR METALS OR PRESSURE TREATED MATERIAL WITHOUT ADEQUATE BARRIER PROTECTION.
1. INSTALL BUILDING PAPER HORIZONTALLY ON WALLS TO RECEIVE METAL SIDING.
2. WEATHER LAP EDGES 6 INCHES (150MM) AND ENDS MINIMUM 6 INCHES (150MM).
3. STAGGER VERTICAL JOINTS F EACH LAYER.
4. SECURELY STAPLE, NAIL IN PLACE.
C. FASTEN SIDING TO STRUCTURAL SUPPORTS; ALIGNED, LEVEL, AND PLUMB.
D. LOCATE JOINTS OVER SUPPORTS.
E. INSTALL EXPANSION CONTROL JOINTS WHERE NEEDED.
F. USE CONCEALED FASTENERS UNLESS OTHERWISE APPROVED BY ARCHITECT.
G. INSTALL SOFFITS, AND ACCESSORIES IN ACCORDANCE WITH BEST PRACTICE, WITH ALL JOINT MEMBERS PLUMB AND TRUE.

FIELD QUALITY CONTROL
A. AFTER INSTALLATION OF SOFFITS, CHECK ENTIRE SURFACE FOR OBVIOUS FLAWS OR DEFECTS.
B. REPLACE AND REPAIR ANY PROBLEM AREAS, PAYING CLOSE ATTENTION TO THE SUBSTRATE FOR CAUSES OF THE PROBLEM.

CLEANING
A. UPON COMPLETION OF SOFFIT APPLICATION, CLEAN ENTIRE AREA, REMOVING ALL SCRAP METAL, PACKAGING AND UNUSED MATERIALS RELATED TO THE INSTALLATION. CLEAN PANELS AS NECESSARY TO REMOVE ALL FINGERPRINTS AND SOILED AREAS.

PROTECTION
A. PROTECT INSTALLED PRODUCTS UNTIL COMPLETION OF PROJECT TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE SUBSTANTIAL COMPLETION.

E.I.F.S.

"REFER TO WENDY'S "STO CORP. CUSTOM DETAIL" INSTRUCTIONS FOR WENDY'S RED AREAS"

F. PROVIDE ADMINISTRATION, FACILITIES, EQUIPMENT, LABOR AND MATERIALS REQUIRED TO FURNISH AND INSTALL EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) AND DIRECT EXTERIOR FINISH SYSTEM (DEFS) PRODUCTS AS SHOWN ON THE DRAWINGS AND SPECIFIED BELOW.

G. RELATED WORK: MASONRY (DIVISION 4), SHEATHING AND WEATHER BARRIER (DIVISION 6), SHEET METAL & CAULKING (DIVISION 7), PAINTING (DIVISION 9).

H. DELIVERY, STORAGE AND HANDLING: DELIVERED MANUFACTURED PLASTERING PRODUCTS TO JOB SITE IN ORIGINAL, UNOPENED PACKAGES, CONTAINERS OR BUNDLES BEARING MANUFACTURER'S NAME BRAND, TYPE AND GRADE. KEEP MATERIALS DRY UNTIL USED. STORE UNDER COVER AND OFF THE GROUND. PROTECT METAL FROM RUSTING AND DAMAGE.

I. WARRANTY: EIFS MANUFACTURER IS PROVIDING OWNER WITH WARRANTY OF MATERIAL AND COLOR FADE. TOP COATING THE FINE SAND FINISH, WITH STOCOLOR ACRYL PLUS IS REQUIRED FOR FADE RESISTANT WARRANTY. TO ENSURE WARRANTY IS ENFORCEABLE, GENERAL CONTRACTOR SHALL EMPLOY EXPERIENCED EIFS AND COATING CONTRACTORS, AS FOLLOWS:
1. CONTRACTOR REQUIREMENTS FOR EIFS (STOTHERM CI ESSENCE):
a. ENGAGED IN APPLICATION OF EIFS FOR A MINIMUM OF THREE (3) YEARS.
b. KNOWLEDGEABLE IN THE PROPER USE AND HANDLING OF STO MATERIALS.
c. EMPLOY SKILLED MECHANICS WHO ARE EXPERIENCED AND KNOWLEDGEABLE IN FLUID-APPLIED AIR / MOISTURE BARRIERS AND EIFS APPLICATION, AND FAMILIAR WITH THE REQUIREMENTS OF THE SPECIFIED WORK.
d. SUCCESSFUL COMPLETION OF MINIMUM OF THREE (3) PROJECTS OF SIMILAR SIZE AND COMPLEXITY TO THE SPECIFIED PROJECT.
e. PROVIDE THE PROPER EQUIPMENT, MANPOWER AND SUPERVISION ON THE JOB SITE TO INSTALL THE SYSTEM IN COMPLIANCE WITH STO'S PUBLISHED SPECIFICATIONS AND DETAILS AND THE PROJECT PLANS AND SPECIFICATIONS.
2. CONTRACTOR REQUIREMENTS FOR ACRYLIC COATING (STOCOLOR ACRYL PLUS):
a. THE CONTRACTOR SHALL BE QUALIFIED TO PERFORM THE WORK SPECIFIED BY REASON OF EXPERIENCE
3. EIFS CONTRACTOR MUST OBTAIN STOTHERM ESSENCE NEXT SYSTEM WARRANTY BY REQUESTING THE WARRANTY FROM THE STO DISTRIBUTOR WHERE MATERIAL WAS PURCHASED".
4. COATING / PAINTING CONTRACTOR MUST OBTAIN STOCOLOR ACRYL PLUS WARRANTY BY REQUESTING THE WARRANTY FROM THE STO DISTRIBUTOR WHERE MATERIAL WAS PURCHASED".
"IF EIFS CONTRACTOR ALSO APPLIES THE STO COATING, THEY CAN OBTAIN ONE WARRANTY THAT WILL INCLUDE BOTH; THE STOTHERM ESSENCE NEXT & STOCOAT ACRYL PLUS COATING WARRANTY.
5. CONTRACTORS SHALL FOLLOW STO SPECIFICATIONS FOR THE INSTALLATION OF THE EIFS AND COATING MATERIALS. ANY DEVIATIONS BETWEEN STO SPECIFICATIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR FOR FURTHER DIRECTION. THE EIFS / COATINGS CONTRACTORS SHALL BE RESPONSIBLE FOR ANY WORKMANSHIP WARRANTIES.
6. STO SHALL NOT HAVE ANY OBLIGATION UNDER THIS WARRANTY UNLESS THE OWNER NOTIFIES STO IN WRITING AT 3800 CAMP CREEK PKWY, BUILDING 1400, SUITE 120, ATLANTA, GEORGIA 30331, ATTN: WARRANTY SERVICES, WITHIN 30 DAYS OF THE DISCOVERY OF ALLEGED DEFECTS. STO CORP. SHALL BE ALLOWED A REASONABLE PERIOD OF TIME TO INVESTIGATE THE ALLEGED DEFECT, INCLUDING REMOVAL OF SAMPLES, AND TO PERFORM ANY TESTING DEEMED NECESSARY TO DETERMINE THE CAUSES OF THE ALLEGED DEFECT. THE OWNER SHALL PROVIDE AND CAUSE ANY TEMPORARY REPAIRS TO BE ACCOMPLISHED IN A TIMELY MANNER TO PREVENT FURTHER DAMAGE TO THE STRUCTURE OR CONTENTS OF THE BUILDING UNTIL THE CAUSE OF THE DEFECT IS DETERMINED AND A REPAIR IS IMPLEMENTED.
7. CONTACTS FOR STO:
a. STO TECHNICAL SERVICES: 1-800-221-2397
b. STO STRATEGIC ACCOUNTS: 1-888-786-3437

E. BASIS OF DESIGN AND SPECIFICATION: STO CORP. - "STOTHERM CI ESSENCE".
ACCEPTABLE ALTERNATE: DRYVIT SYSTEMS, INC. - "OUTSULATION PLUS MD". PROVIDE MATERIALS, COMPONENTS AND INSTALLATION BY DRYVIT COMPARABLE TO THOSE LISTED IN THIS SECTION.
1. TEXTURE: TROWEL APPLY STO FINE SAND FINISH TOP-COATED WITH STOCOAT ACRYL PLUS PER FINISH SCHEDULE, OVER HIGH-IMPACT "ARMOR MAT REINFORCING MESH WITH STO 4.5 OZ. MESH TO 6'-9" ABOVE GRADE, STO 4.5 OZ. MESH ABOVE 6'-9".
ALTERNATE: DRYVIT INTEGRAL COLORED "WEND051022", "SANDPEBBLE FINE" FINISH, "DEMANDIT" TOP COAT PER FINISH SCHEDULE, OVER "PANZER 15 OZ." HIGH-IMPACT MESH TO 6'-9" MIN.; AND, "STANDARD 4.3 OZ." REINFORCING MESH ABOVE 6'-9".

F. MATERIALS:
1. GENERAL: PROVIDE STANDARD PRODUCTS RECOMMENDED BY THE MANUFACTURER FOR THE APPLICATION INDICATED.
2. WATER: POTABLE AND FREE FROM IMPURITIES THAT AFFECT STUCCO.
3. PORTLAND CEMENT: ASTM C150, TYPE I; GRAY FOR BASE COAT.
4. AIR/WATER-RESISTIVE BARRIER COMPONENTS:
a. STOGUARD WITH GOLD COAT.
ALTERNATE: DRYVIT "BACKSTOP NT" SERIES.
b. STO RAPID GUARD FOR JOINT TREATMENT AND STO GOLD COAT WATERPROOF COATING. (NOTE: STOGUARD FABRIC OR STORAPID FILL MAY BE USED IN LIEU OF RAPID GUARD FOR JOINT TREATMENT.
ALTERNATE: DRYVIT "BACKSTOP NT - TEXTURE"; AND; GRID TAPE5.
5. FLASHING MATERIALS:
a. LIQUID APPLIED: STO RAPPID GUARD.
ALTERNATE: DRYVIT "AQUAFLASH AND AQUAFLASH MESH".
b. SHEET TYPE FLASHING TAPE AND SURFACE CONDITIONER:
ALTERNATE: DRYVIT "FLASHING TAPE" AND "FLASHING TAPE SURFACE CONDITIONER".
6. ADHESIVE: STO PRIMER ADHESIVE OR STO PRIMER ADHESIVE B. ALTERNATE: DRYVIT "PRIMUS" SERIES.
7. STARTER TRACK: RIGID PVC PLASTIC TRACK PART NO. STDE BY PLASTIC COMPONENTS, INC. OR EQUIVALENT.

G. INSULATION BOARD (EPS BOARD): ASTM C 578 TYPE I. 3/4" MINIMUM THICKNESS AT BASE OF REVEALS.
1. DIMENSIONAL TOLERANCES SHALL BE AS FOLLOWS:
a. EDGES SHALL BE SQUARE WITHIN 1/16" OVER THE ENTIRE LENGTH OF THE BOARD.
b. THICKNESS SHALL BE PLUS OR MINUS 1/16".
2. THICKNESS SHALL BE AS INDICATED ON DRAWINGS.
3. MAXIMUM SIZE OF EPS BOARD SHALL NOT EXCEED 2'X 4'.

H. BASE COAT COMPATIBLE WITH EPS INSULATION BOARD AND REINFORCING MESHES:
STO PRIMER ADHESIVE B.
ALTERNATE: DRYVIT "PRIMUS" SERIES.

I. REINFORCING MESH: BALANCED, OPEN WEAVE, GLASS FIBER FABRIC TREATED FOR COMPATIBILITY WITH OTHER SYSTEM MATERIALS
1. STO 15.0 OZ. ARMOR MAT MESH FOR AREAS BELOW 6'-9" ABOVE GRADE, INCLUDING STO 4.5 OZ. MESH.
ALTERNATE: DRYVIT "PANZER 15 OZ." HIGH-IMPACT MESH TO 6'-9" MIN.; AND, "STANDARD 4.3 OZ." REINFORCING MESH.
2. STANDARD, DETAIL AND CORNER MESH ELSEWHERE AS REQUIRED.

J. TEXTURED FINISH & REQUIRED HIGH-PERFORMANCE COATING: ACRYLIC-BASED TEXTURED FINISH FOR USE OVER EIFS BASE COAT AND ACRYLIC-BASED, HIGH-BUILD SMOOTH COATING FOR USE OVER EIFS FINISH.
1. TROWEL-APPLIED STO FINE SAND FINISH IN COLOR AS NOTED IN FINISH SCHEDULE.
2. TOP-COAT MATERIAL; ROLLER OR SPRAY-APPLIED STOCOLOR ACRYL PLUS COATING OVER EIFS FINISH IN COLORS AS NOTED IN FINISH SCHEDULE. A MIN. OF 2 COATS OF TOP-COAT IS REQUIRED OVER EIFS FINISH, NO EXCEPTIONS.

K. PREPARATION
1. APPLICATION OF THE SPECIFIED PRODUCTS SHALL BE BY AN EXPERIENCED EIFS CONTRACTOR WHO CAN DEMONSTRATE THE FOLLOWING:
a. ENGAGED IN APPLICATION OF EIFS FOR A MINIMUM OF (3) THREE YEARS.
b. KNOWLEDGEABLE IN THE PROPER ISE AND HANDLING OF STO MATERIALS AND LISTED BY STO / DRYVIT AS HAVING ATTENDED STO / DRYVIT EIFS CONTINUING EDUCATION.
c. EMPLOY SKILLED MECHANICS WHO ARE EXPERIENCED AND KNOWLEDGEABLE IN EIFS APPLICATION, AND ARE FAMILIAR WITH THE REQUIREMENTS OF THE SPECIFIED WORK.
d. SUCCESSFUL COMPLETION OF MINIMUM OF (3) THREE PROJECTS OF SIMILAR SIZE AND COMPLEXITY TO THE SPECIFIED PROJECT.
e. PROVIDE A PROPER EQUIPMENT, MANPOWER AND SUPERVISION ON THE JOB SITE TO INSTALL THE SYSTEM IN COMPLIANCE WITH STO'S PUBLISHED SPECIFICATION AND DETAILS AND THE PROJECT PLANS AND SPECIFICATION.
2. FOLLOW MANUFACTURER'S LATEST PRINTED APPLICATION INSTRUCTIONS.
3. ALL FEDERAL, LOCAL AND/OR STATE CODE AND ORDINANCES SHALL GOVERN WHEN THEIR REQUIREMENTS ARE IN EXCESS OF THOSE NOTED IN THIS SECTION.
4. SUBMIT MANUFACTURER'S STANDARD PRINTED INSTRUCTION FOR INSTALLATION OF THE SYSTEM.
5. ONE 4'-0" X 4'-0" MOCKUP FOR EACH SUBSTRATE AND MESH TYPE SHALL BE CONSTRUCTED ON SITE BY EFIS CONTRACTOR, INDICATING SIZE, THICKNESS AND TEXTURE FOR OWNER AND ARCHITECT'S APPROVAL. INSTALLATION SHALL NOT PROCEED UNTIL WRITTEN APPROVAL OF MOCKUP IS RECEIVED.
6. MANUFACTURERS STANDARD WARRANTY FOR LIMITED MATERIALS DEFECT AND LABOR TO REPLACE DEFECTIVE MATERIALS.

L. INSTALLATION
BASIS OF DESIGN: STOTHERM CI ESSENCE - INSTALL FLUID-APPLIED WATERPROOF / AIR BARRIER MEMBRANE AND EIFS IN ACCORDANCE WITH MANUFACTURERS CURRENT INSTALLATION GUIDELINES & DETAILS AS INDICATED ON THE DRAWINGS.
NOTES:
1. USE 15.0 OZ. ULTRA-HIGH IMPACT MESH IN COMBINATION WITH STANDARD 4.5 OZ. MESH FOR EIFS AREAS BELOW 6'-9" ABOVE GRADE. USE STANDARD 4.5 OZ. MESH FOR ALL OTHER EIFS AREAS ABOVE 6'-9".
2. FOR TEXTURE FINISH APPLICATION:
APPLY STO FINE SAND FINISH IN INTEGRAL COLOR AS INDICATED ON THE FINISH SCHEDULE, AND ALLOW TO DRY.
3. USE 15.0 OZ. ULTRA-HIGH IMPACT MESH IN COMBINATION WITH STANDARD 4.5 OZ. MESH FOR EIFS AREAS BELOW 6'-9" ABOVE GRADE. USE STANDARD 4.5 OZ. MESH FOR ALL OTHER EIFS AREAS ABOVE 6'-9". REQUIRED TOP-COAR APPLICATION:
APPLY ONE COAT OF STOCOLOR ACRYL PLUS, AT 8-10 WET MILS AND ALLOW TO DRY. APPLY SECOND COAT OF STOCOAT ACRYL PLUS, AT 8-10 WET MILS. STOCOAT ACRYL PLUS TO MATCH COLOR AS INDICATED ON FINISH SCHEDULE.

DIVISION 8 - OPENINGS

ALUMINUM ENTRANCE DOORS, STOREFRONT & CURTAINWALL
A. DOORS AND WINDOWS SHALL HAVE PRODUCT LABELS INDICATING U-VALUE, SHGC AND AIR LEAKAGE RATE IN COMPLIANCE WITH LATEST ENERGY CODES. ALLOWED AIR LEAKAGE SHALL NOT EXCEED 1.0 CFM/FT2 FOR GLAZED DOORS AND 0.3 CFM/FT2 FOR WINDOWS.
B. SYSTEMS: REFER TO EXTERIOR MATERIALS AND FINISHES SCHEDULE ON DRAWINGS.
C. DOORS SHALL BE "350 MEDIUM STILE" DOOR, MANUFACTURED BY US ALUMINUM.
D. HARDWARE FOR ENTRANCE DOORS: SEE HARDWARE SCHEDULE ON DRAWINGS.
E. EXPOSED ALUMINUM MATERIAL SHALL BE CLEAR ANODIZED ALUMINUM. HARDWARE SHALL MATCH.
F. MISCELLANEOUS TRIMS, SHAPES, SPACERS, AND ADAPTERS AS REQUIRED.

GLAZING
A. EXTERIOR GLASS SHALL BE 1" INSULATED (UNLESS NOTED OTHERWISE). SEE THE FINISH SCHEDULE. GLAZING MUST MEET SAFETY CODES AS REQUIRED. GLASS MUST HAVE 5-YEAR WARRANTY AGAINST SEAL FAILURE.
1. GLASS THICKNESSES: SELECT MIN. GLASS THICKNESSES PER ASTM E 1300, PER FOLLOWING REQUIREMENTS:
a. SPECIFIED DESIGN WIND LOADS: DESIGN WIND LOADS APPLICABLE TO PROJECT FROM BASIC WIND SPEED - IN MILES PER HOUR (METERS PER SECOND) AT 33 FEET (10 M) ABOVE GRADE, ACCORDING TO ASCE 7, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES". SECTION 6.4.2, "ANALYTIC PROCEDURE," BASED ON MEAN ROOF HEIGHTS ABOVE GRADE INDICATED ON DRAWINGS.
b. PROBABILITY OF BREAKAGE FOR VERTICAL GLAZING: 8 LITES PER 1000 FOR LITES SET VERTICALLY OR NOT MORE THAN 15 DEGREES OFF VERTICAL AND UNDER WIND ACTION.
1) LOAD DURATION: 60 SECONDS OR LESS.
c. MIN. GLASS THICKNESS FOR EXTERIOR LITES: NOT LESS THAN 6 MM.
d. THICKNESS OF TINTED AND HEAT-ABSORBING GLASS:
1) PROVIDE THE SAME THICKNESS FOR EACH TINT COLOR INDICATED THROUGHOUT PROJECT.
B. PRODUCTS AND MANUFACTURERS
1. AVAILABLE PRODUCTS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE PRODUCTS INDICATED IN SCHEDULES ON THE DRAWINGS.
C. PRIMARY FLOAT GLASS
1. ASTM C 1036, TYPE I (TRANSPARENT GLASS, FLAT), QUALITY Q3 (GLAZING SELECT); CLASS I (CLEAR).
D. HEAT-TREATED FLOAT GLASS
1. ASTM C 1048; TYPE I (TRANSPARENT GLASS, FLAT); QUALITY Q3 (GLAZING SELECT); CLASS, KIND, AND CONDITION AS INDICATED.
E. INSULATING GLASS
1. PREASSEMBLED UNITS CONSISTING OF SEALED LITES OF GLASS SEPARATED BY A DEHYDRATED INTERSPACE, AND COMPLYING WITH ASTM E 774 FOR CLASS CBA UNITS AND WITH REQUIREMENTS SPECIFIED IN THIS ARTICLE.
a. PROVIDE KIND HS (HEAT-STRENGTHENED) FLOAT GLASS IN PLACE OF ANNEALED GLASS WHERE NEEDED TO RESIST THERMAL STRESSES INDUCED BY DIFFERENTIAL SHADING OF INDIVIDUAL GLASS LITES AND TO COMPLY WITH GLASS DESIGN REQUIREMENTS SPECIFIED IN "PERFORMANCE REQUIREMENTS" ARTICLE. PROVIDE KIND FT (FULLY TEMPERED) WHERE SAFETY GLASS IS INDICATED.
2. OVERALL UNIT THICKNESS AND THICKNESS OF EACH LITE: DIMENSIONS INDICATED IN THE GLASS SCHEDULE ARE NOMINAL AND THE OVERALL THICKNESSES OF UNITS MEASURED PERPENDICULARLY FROM OUTER SURFACES OF GLASS LITES AT UNIT'S EDGE.
3. SEALING SYSTEM: DUAL SEAL, WITH PRIMARY AND SECONDARY SEALANTS AS FOLLOWS:
a. RETAIN ONE SEALANT SYSTEM BELOW OR REVISE TO INSERT OTHER COMBINATIONS; CORRELATE WITH PRODUCTS/MANUFACTURERS SELECTED.
1) MANUFACTURER'S STANDARD SEALANTS.
4. SPACER SPECIFICATIONS: MANUFACTURER'S STANDARD SPACER MATERIAL AND CONSTRUCTION COMPLYING WITH THE FOLLOWING REQUIREMENTS:
a. ALUMINUM WITH CLEAR ANODIZED ALUMINUM FINISH.
b. DESICCANT: MOLECULAR SIEVE OR SILICA GEL, OR BLEND OF BOTH.
c. CORNER CONSTRUCTION: MANUFACTURER'S STANDARD CORNER CONSTRUCTION.
5. LOW E - SPUTTER-COATED FLOAT GLASS; ASTM C1376 APPLIED TO SURFACE #2.
F. SPANDREL GLASS: REFER TO EXTERIOR MATERIALS AND FINISHES SCHEDULE ON DRAWINGS.
G. MISCELLANEOUS GLAZING MATERIALS
1. GENERAL: PROVIDE PRODUCTS OF MATERIAL, SIZE, AND SHAPE COMPLYING WITH REFERENCED GLAZING STANDARD, REQUIREMENTS OF MANUFACTURERS OF GLASS AND OTHER GLAZING MATERIALS FOR APPLICATION INDICATED, AND WITH A PROVEN RECORD OF COMPATIBILITY WITH SURFACES CONTACTED IN INSTALLATION.
2. CLEANERS, PRIMERS, AND SEALERS: TYPES RECOMMENDED BY SEALANT OR GASKET MANUFACTURER.
3. SETTING BLOCKS: ELASTOMERIC MATERIAL WITH A SHORE TYPE A DUROMETER HARDNESS OF 85, +/- 5.
4. SPACERS: ELASTOMERIC BLOCKS OR CONTINUOUS EXTRUSIONS WITH A SHORE TYPE A DUROMETER HARDNESS REQUIRED BY GLASS MANUFACTURER TO MAINTAIN GLASS LITES IN PLACE FOR INSTALLATION INDICATED.
5. EDGE BLOCKS: ELASTOMERIC MATERIAL OF HARDNESS NEEDED TO LIMIT GLASS LATERAL MOVEMENT (SIDE WALKING).
H. FABRICATION OF GLASS AND OTHER GLAZING PRODUCTS
1. FABRICATE GLASS AND OTHER GLAZING PRODUCTS IN SIZES REQUIRED TO GLAZE OPENINGS INDICATED FOR PROJECT, WITH EDGE AND FACE CLEARANCES, EDGE AND SURFACE CONDITIONS, AND BITE COMPLYING WITH WRITTEN INSTRUCTIONS OF PRODUCT MANUFACTURER AND REFERENCED GLAZING STANDARD, TO COMPLY WITH SYSTEM PERFORMANCE REQUIREMENTS.
2. GRIND SMOOTH AND POLISH EXPOSED GLASS EDGES.
I. EXAMINATION
1. EXAMINE FRAMING GLAZING, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH THE FOLLOWING:
a. MANUFACTURING AND INSTALLATION TOLERANCES, INCLUDING THOSE FOR SIZE, SQUARENESS, AND OFFSETS AT CORNERS.
b. PRESENCE AND FUNCTIONING OF WEEP SYSTEM.
c. MINIMUM REQUIRED FACE OR EDGE CLEARANCES.
d. EFFECTIVE SEALING BETWEEN JOINTS OF GLASS-FRAMING MEMBERS.
2. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
J. PREPARATION
1. CLEAN GLAZING CHANNELS AND OTHER FRAMING MEMBERS RECEIVING GLASS IMMEDIATELY BEFORE GLAZING. REMOVE COATINGS NOT FIRMLY BONDED TO SUBSTRATES.
K. GLAZING, GENERAL
1. COMPLY WITH COMBINED WRITTEN INSTRUCTIONS OF MANUFACTURERS OF GLASS, SEALANTS, GASKETS, AND OTHER GLAZING MATERIALS, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED, INCLUDING THOSE IN REFERENCED GLAZING PUBLICATIONS.
2. GLAZING CHANNEL DIMENSIONS, AS INDICATED ON DRAWINGS, PROVIDE NECESSARY BITE ON GLASS, MINIMUM EDGE AND FACE CLEARANCES, AND ADEQUATE SEALANT THICKNESSES, WITH REASONABLE TOLERANCES. ADJUST AS REQUIRED BY PROJECT CONDITIONS DURING INSTALLATION.
3. PROTECT GLASS EDGES FROM DAMAGE DURING HANDLING AND INSTALLATION. REMOVE DAMAGED GLASS FROM PROJECT SITE AND LEGALLY DISPOSE OF OFF PROJECT SITE. DAMAGED GLASS IS GLASS WITH EDGE DAMAGE OR OTHER IMPERFECTIONS THAT, WHEN INSTALLED, COULD WEAKEN GLASS AND IMPAIR PERFORMANCE AND APPEARANCE.
4. APPLY PRIMERS TO JOINT SURFACES WHERE REQUIRED FOR ADHESION OF SEALANTS, AS DETERMINED BY PRECONSTRUCTION SEALANT-SUBSTRATE TESTING.
5. INSTALL SETTING BLOCKS IN SILL RABBETS, SIZED AND LOCATED TO COMPLY WITH REFERENCED GLAZING PUBLICATIONS, UNLESS OTHERWISE REQUIRED BY GLASS MANUFACTURER. SET BLOCKS IN THIN COURSE OF COMPATIBLE SEALANT SUITABLE FOR HEEL BEAD.
6. DO NOT EXCEED EDGE PRESSURES PER GLASS MANUFACTURERS FOR INSTALLING GLASS LITES.
a. PROVIDE SPACERS FOR GLASS LITES WHERE THE LENGTH PLUS WIDTH IS LARGER THAN 50 INCHES: LOCATE SPACERS DIRECTLY OPPOSITE EACH OTHER ON BOTH INSIDE AND OUTSIDE FACES OF GLASS. INSTALL CORRECT SIZE AND SPACING TO PRESERVE REQUIRED FACE CLEARANCES, UNLESS GASKETS AND GLAZING TAPES ARE USED THAT HAVE DEMONSTRATED ABILITY TO MAINTAIN REQUIRED FACE CLEARANCES AND TO COMPLY WITH SYSTEM PERFORMANCE REQUIREMENTS.
b. PROVIDE 1/8-INCH (3-MM) MINIMUM BITE OF SPACERS ON GLASS AND USE THICKNESS EQUAL TO SEALANT WIDTH. WITH GLAZING TAPE, USE THICKNESS LESS THAN FINAL THICKNESS OF TAPE.
7. PROVIDE EDGE BLOCKING WHERE INDICATED OR NEEDED TO PREVENT GLASS LITES FROM MOVING SIDEWAYS IN GLAZING CHANNEL, AS RECOMMENDED IN WRITING BY GLASS MANUFACTURER AND ACCORDING TO REQUIREMENTS IN REFERENCED GLAZING PUBLICATIONS.
8. SET GLASS LITES IN EACH SERIES WITH UNIFORM PATTERN, DRAW, BOW, AND SIMILAR CHARACTERISTICS.
9. GLASS STOPS ARE EXTRUDED ALUMINUM SNAP-IN TYPE FOR INTERIOR GLAZING OF GLASS OF PANELS 5/8" THICK (CUSTOM STOPS FOR THICKNESSES UP TO AN 1" ARE AVAILABLE) AND HAVE A FIXED GASKET OF HIGH QUALITY ELASTOMERIC MATERIAL PERIMETER WOOL PILE AND ELASTOMERIC WEATHER-STRIP IS FACTORY APPLIED.
10. GLASS MUST HAVE (5) FIVE YEAR WARRANTY AGAINST SEAL FAILURE.
L. GLASS TYPES: REFER TO EXTERIOR MATERIALS AND FINISHES SCHEDULE ON DRAWINGS.

STEEL SERVICE DOOR AND FRAME
A. STEEL DOOR FRAMES: SHALL BE 18 GUAGE STEEL WELDED VERTICAL EDGE, MECHANICAL INTERLOCK NOT ACCEPTED, AS NOTED IN THE DOOR SCHEDULE ON THE DRAWINGS AND AS MANUFACTURED BY BLACK MOUNTAIN,
B. DOOR, SERIES 400, OR EQUAL IF APPROVED BY ARCHITECT.
1. SEE THE FINISH SCHEDULE, EXTERIOR SCHEDULE AND THIS SHEET FOR APPLICABLE PAINT.
C. STEEL HOLLOW METAL DOOR: SHALL BE 1 3/4" THICK, FLUSH TYPE, MINIMUM 18 GAUGE STEEL FACE DOOR WITH POLYSTYRENE CORE, INSULATION, ETC, AND MANUFACTURED AS FRAMES ABOVE, REFER TO DRAWINGS.
1. SEE THE FINISH SCHEDULE, EXTERIOR SCHEDULE AND THIS SHEET FOR APPLICABLE PAINT.
D. FINISH HARDWARE: DOORS SHALL BE PREPARED TO RECEIVE HEAVY-DUTY HARDWARE. SEE HARDWARE SCHEDULE ON DRAWINGS FOR HARDWARE SPECIFICATIONS.

PREFINISHED DOORS
A. LAMINATED DOORS: TO BE 1 3/4" SOLID CORE PRE-HUNG DOORS AS MANUFACTURED BY MARLITE PRODUCTS. DOORS OF THIS TYPE TO BE FINISHED IN HIGH PRESSURE LAMINATE FURNISHED COMPLETE WITH ADJUSTABLE ALUMINUM FRAME AND HARDWARE.
1. SEE DOOR SCHEDULE FOR HARDWARE SPECIFICATIONS.

PICK-UP WINDOW
A. ANODIZED ALUMINUM, CLEAR ANODIZED ALUMINUM FINISH.
B. VERIFY CONSTRUCTION IS READY TO RECEIVE PICK UP WINDOW. VERIFY ROUGH OPENINGS ARE CORRECT SIZE AND IN CORRECT LOCATION. ORIENT PICK UP WINDOW SO THAT THE OPENING MATCHES THE BUILDING ELEVATION.

EXAMINE ROUGHING-IN FOR EMBEDDED AND BUILT-IN ANCHORS TO VERIFY ACTUAL LOCATIONS OF SECURITY WINDOW CONNECTIONS BEFORE SECURITY WINDOW INSTALLATION. CONTRACTOR TO PROVIDE ANCHOR SCREWS.

INSPECT BUILT-IN AND CAST-IN ANCHOR INSTALLATIONS, BEFORE INSTALLING SECURITY WINDOWS, TO VERIFY THAT ANCHOR INSTALLATIONS COMPLY WITH REQUIREMENTS. REMOVE AND REPLACE ANCHORS WHERE INSPECTIONS INDICATE THAT THEY DO NOT COMPLY WITH SPECIFIED REQUIREMENTS. REINSPECT AFTER REPAIRS OR REPLACEMENTS ARE MADE.

FOR GLAZING MATERIALS WHOSE ORIENTATION IS CRITICAL FOR PERFORMANCE, VERIFY INSTALLATION ORIENTATION. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

FURNISH FRAMES AND ANCHORS TO OTHER SECTIONS AS REQUIRED FOR INSTALLATION IN SURROUNDING PARTITION AND CASEWORK CONSTRUCTION.

INSTALL PICK UP WINDOW IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

ALIGN PICK UP WINDOW PLUMB, LEVEL AND SQUARE.

RIGIDLY SECURE PICK UP WINDOW TO ADJACENT SUPPORTING CONSTRUCTION.

GLAZE WINDOWS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

SEAL PERIMETER JOINTS

CONNECT ELECTRICAL COMPONENTS TO POWER SOURCE.

PROTECTION: WHERE DISSIMILAR METALS WILL CONTACT EACH OTHER, PROTECT AGAINST GALVANIC ACTION BY PAINTING CONTACT SURFACES WITH PRIMER OR BY APPLYING SEALANT OR TAPE RECOMMENDED IN WRITING BY MANUFACTURER FOR THIS PURPOSE. WHERE ALUMINUM WILL CONTACT CONCRETE OR MASONRY, PROTECT AGAINST CORROSION BY PAINTING CONTACT SURFACES WITH BITUMINOUS PAINT.

ACCESS DOOR
A. GALVANIZED STEEL, 16 GA., 24"X24" GREY ENAMEL PRIMED DOOR AND FRAME, INSULATED DOOR; THE WILLIAMS BROS. MODEL EXT 1300 WITH CONTINUOUS HINGE, GASKET AND KEYED CYLINDER LOCK WITH TEE HANDLE.

WALL LOUVER
A. STATIONARY WIND-DRIVEN RESISTANT LOUVER: RUSKIN (816-761-7476), MODEL EME220DD, 6"X6", MILL FINISH ALUMINUM, OR APPROVED EQUAL. FIELD PAINTED AS NOTED ON DRAWINGS.

DIVISION 9 - FINISHES

NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE USE OF "CLASS A" OR "CLASS C" MATERIAL.

FLOOR AND WALL TILE INSTALLATION
A. PROVIDE TILE WORK COMPLETE IN PLACE AS INDICATED ON DRAWINGS, SPECIFIED HEREIN.
B. TILE WORK SHALL BE SUBJECT TO PERFORMANCE STANDARDS AS SET BY THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) SPECIFICATION A-137J-80 FOR CERAMIC TILE OR CTI-69-5 FOR SPECIAL PURPOSE TILE AND THE TILE COUNCIL OF AMERICA (TCA) CURRENT HANDBOOK FOR CERAMIC TILE INSTALLATION.
C. DELIVER MATERIAL TO THE JOB SITE AND STORE IN ORIGINAL UNOPENED CARTONS WITH LABELS INTACT AND LEGIBLE.
D. TILE SHOULD BE STORED IN A DRY COVERED AREA.
E. TILE SHALL BE STANDARD GRADE IN ACCORDANCE WITH SPECIFICATIONS PUBLISHED BY ANSI A-137J-80 FOR CERAMIC TILE OR CTI-69-5 FOR SPECIAL PURPOSE TILE.
1. EXTERIOR DECORATIVE WALL TILE: SEE FINISH SCHEDULE.
2. INTERIOR FLOOR TILE: SEE FINISH SCHEDULE.
F. TILE SETTING, GROUTING MATERIALS, AND WATERPROOFING MEMBRANE:
1. BASIS-OF-DESIGN: LATICRETE INTERNATIONAL, INC.
2. APPROVED EQUAL: MAPEI CORPORATION.
G. [MR-1] MODIFIED-PORTLAND CEMENT THIN SET MORTAR: ISO 13007: C2EP1 / C2TES1PA AND ANSI A118.15.
1. PRODUCTS: LATICRETE: 254 PLATIUM THINSET OR MAPEI: ULTRA FLEX 2.
H. [MR-2] MEDIUM BED, MODIFIED-PORTLAND CEMENT THIN SET MORTAR: ISO 13007: C2EP1 / C2TES1PA AND ANSI A118.15 AND