

1. (AVAILABLE) MANUFACTURERS:

- a. DIEDRICH TECHNOLOGIES, INC.
- b. EACO CHEM, INC.
- c. PROSOCCO, INC.
- d. MANUFACTURER_____

MORTAR MIXES

- A. COMPLY WITH REQUIREMENTS IN DIVISION 4 SECTION 'UNIT MASONRY ASSEMBLIES' FOR MORTAR MIXES.
 - B. DO NOT USE ADMIXTURES, INCLUDING PIGMENTS, AIR-ENTRAINING AGENTS, ACCELERATORS, RETARDERS, WATER-REPELLENT AGENTS, ANTI-FREEZE COMPOUNDS, OR OTHER ADMIXTURES, UNLESS OTHERWISE INDICATED.
1. DO NOT USE CALCIUM CHLORIDE IN MORTAR.
2. LIMIT CEMENTITIOUS MATERIALS IN MORTAR TO PORTLAND CEMENT (MORTAR CEMENT) AND LIME.
- C. COMPLY WITH ASTM C 270, PROPORTION SPECIFICATION.

1. FOR SETTING MORTAR, USE TYPE (S) [N].
2. FOR POINTING MORTAR, USE TYPE [N] [O].

- D. PIGMENTED MORTAR: USE COLORED CEMENT PRODUCT (OR SELECT AND PROPORTION PIGMENTS WITH OTHER INGREDIENTS TO PRODUCE COLOR REQUIRED). DO NOT ADD PIGMENTS TO COLORED CEMENT PRODUCTS.

1. PIGMENTS SHALL NOT EXCEED 10 PERCENT OF PORTLAND CEMENT BY WEIGHT.
2. PIGMENTS SHALL NOT EXCEED 5 PERCENT OF [MASONRY CEMENT] (OR [MORTAR CEMENT]) BY WEIGHT.
3. MIX TO MATCH ARCHITECT'S SAMPLE.
- E. COLORED-AGGREGATE MORTAR: PRODUCE REQUIRED MORTAR COLOR BY USING COLORED AGGREGATES AND NATURAL COLOR OR WHITE CEMENT AS NECESSARY TO PRODUCE REQUIRED MORTAR COLOR.

1. MIX TO MATCH ARCHITECT'S SAMPLE.

SOURCE QUALITY CONTROL

- A. EMPLOY AN INDEPENDENT TESTING AGENCY TO SAMPLE AND TEST CAST STONE UNITS ACCORDING TO ASTM C 1304.

1. INCLUDE ONE TEST FOR RESISTANCE TO FREEZING AND THAWING.

PART 3 - EXECUTION

EXAMINATION

- A. EXAMINE SUBSTRATES AND CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF CAST STONE.

1. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

SETTING CAST STONE IN MORTAR

- A. INSTALL CAST STONE UNITS TO COMPLY WITH REQUIREMENTS IN DIVISION 4 SECTION 'UNIT MASONRY ASSEMBLIES.'

- B. SET CAST STONE AS INDICATED ON DRAWINGS. SET UNITS ACCURATELY IN LOCATIONS INDICATED WITH EDGES AND FACES ALIGNED ACCORDING TO ESTABLISHED RELATIONSHIPS AND INDICATED TOLERANCES.

1. INSTALL ANCHORS, SUPPORTS, FASTENERS, AND OTHER ATTACHMENTS INDICATED OR NECESSARY TO SECURE UNITS IN PLACE.

- C. WET JOINT SURFACES THOROUGHLY BEFORE APPLYING MORTAR OR SETTING IN MORTAR.

- D. SET UNITS IN FULL BED OF MORTAR WITH FULL HEAD JOINTS, UNLESS OTHERWISE INDICATED.

1. IF NOT INDICATED, SET UNITS WITH JOINTS [1/4 TO 3/8 INCH (6 TO 10 MM)] [3/8 TO 1/2 INCH (10 TO 13 MM)] (INSERT WIDTH) WIDE.

2. BUILD ANCHORS AND TIES INTO MORTAR JOINTS AS UNITS ARE SET.

3. FILL DOWEL HOLES AND ANCHOR SLOTS WITH MORTAR.

4. FILL COLLAR JOINTS SOLID AS UNITS ARE SET.

5. BUILD CONCEALED FLASHING INTO MORTAR JOINTS AS UNITS ARE SET.

6. KEEP HEAD JOINTS IN COPING AND OTHER UNITS WITH EXPOSED HORIZONTAL SURFACES OPEN TO RECEIVE SEALANT.

7. KEEP JOINTS AT SHELF ANGLES OPEN TO RECEIVE SEALANT.

- E. RAKE OUT JOINTS FOR POINTING WITH MORTAR TO DEPTHS OF NOT LESS THAN 3/4 INCH (19 MM). RAKE JOINTS TO UNIFORM DEPTHS WITH SQUARE BOTTOMS AND CLEAN SIDES. SCRUB FACES OF UNITS TO REMOVE EXCESS MORTAR AS JOINTS ARE RAKED.

- F. POINT MORTAR JOINTS BY PLACING AND COMPACTING MORTAR IN LAYERS NOT GREATER THAN 3/8 INCH (10 MM). COMPACT EACH LAYER THOROUGHLY AND ALLOW IT TO BECOME THUMBPRINT HARD BEFORE APPLYING NEXT LAYER.

- G. TOOL EXPOSED JOINTS SLIGHTLY CONCAVE WHEN THUMBPRINT HARD, USING A JOINTER LARGER THAN JOINT THICKNESS, UNLESS OTHERWISE INDICATED.

- H. PROVIDE EXPANSION, CONTROL, AND PRESSURE-RELIEVING JOINTS OF WIDTHS AND AT LOCATIONS INDICATED. KEEP JOINTS FREE OF MORTAR AND OTHER RIGID MATERIALS.

1. FORM OPEN JOINT OF WIDTH INDICATED, BUT NOT LESS THAN [3/8 INCH (10 MM)] [1/2 INCH (13 MM)] (INSERT MINIMUM WIDTH).

1. PREPARE JOINTS INDICATED TO RECEIVE SEALANT AND APPLY SEALANT OF TYPE AND AT LOCATIONS INDICATED TO COMPLY WITH APPLICABLE REQUIREMENTS IN DIVISION 7 SECTION 'JOINT SEALANTS.'

1. PRIME CAST STONE SURFACES TO RECEIVE SEALANT AND INSTALL COMPRESSIBLE BACKER ROD IN JOINTS BEFORE APPLYING SEALANT, UNLESS OTHERWISE INDICATED.

SETTING ANCHORED CAST STONE WITH SEALANT-FILLED JOINTS

- A. SET CAST STONE AS INDICATED ON DRAWINGS. SET UNITS ACCURATELY IN LOCATIONS INDICATED WITH EDGES AND FACES ALIGNED ACCORDING TO ESTABLISHED RELATIONSHIPS AND INDICATED TOLERANCES.

1. INSTALL ANCHORS, SUPPORTS, FASTENERS, AND OTHER ATTACHMENTS INDICATED OR NECESSARY TO SECURE UNITS IN PLACE.

2. SHIM AND ADJUST ANCHORS, SUPPORTS, AND ACCESSORIES TO SET CAST STONE IN LOCATIONS INDICATED WITH UNIFORM JOINTS.

- B. KEEP CAVITIES OPEN WHERE UNFILLED SPACE IS INDICATED BETWEEN BACK OF CAST STONE UNITS AND BACKUP WALL, DO NOT FILL CAVITIES WITH MORTAR OR GROUT.

- C. FILL ANCHOR HOLES WITH SEALANT.

1. WHERE DOWEL HOLES OCCUR AT PRESSURE-RELIEVING JOINTS, PROVIDE COMPRESSIBLE MATERIAL AT ENDS OF DOWELS.

- D. SET CAST STONE SUPPORTED ON CLIP OR CONTINUOUS ANGLES ON RESILIENT SETTING SHIMS. USE MATERIAL OF THICKNESS REQUIRED TO MAINTAIN UNIFORM JOINT WIDTHS. HOLD SHIMS BACK FROM FACE OF CAST STONE A DISTANCE AT LEAST EQUAL TO WIDTH OF JOINT.

- E. KEEP JOINTS FREE OF MORTAR AND OTHER RIGID MATERIALS. REMOVE TEMPORARY SHIMS AND SPACERS FROM JOINTS AFTER ANCHORS AND SUPPORTS ARE SECURED IN PLACE AND CAST STONE UNITS ARE ANCHORED. DO NOT BEGIN SEALANT INSTALLATION UNTIL TEMPORARY SHIMS AND SPACERS ARE REMOVED.

1. FORM OPEN JOINT OF WIDTH INDICATED, BUT NOT LESS THAN [3/8 INCH (10 MM)] [1/2 INCH (13 MM)] (INSERT MINIMUM WIDTH).

- F. PREPARE JOINTS AND APPLY SEALANT OF TYPE AND AT LOCATIONS INDICATED TO COMPLY WITH APPLICABLE REQUIREMENTS IN DIVISION 7 SECTION 'JOINT SEALANTS.'

1. PRIME CAST STONE SURFACES TO RECEIVE SEALANT AND INSTALL COMPRESSIBLE BACKER ROD IN JOINTS BEFORE APPLYING SEALANT, UNLESS OTHERWISE INDICATED.

INSTALLATION TOLERANCES

- A. VARIATION FROM PLUMB: DO NOT EXCEED 1/8 INCH IN 10 FEET (3 MM IN 3 M), 1/4 INCH IN 20 FEET (6 MM IN 6 M), OR 1/2 INCH (12 MM) MAXIMUM.

- B. VARIATION FROM LEVEL: DO NOT EXCEED 1/8 INCH IN 10 FEET (3 MM IN 3 M), 1/4 INCH IN 20 FEET (6 MM IN 6 M), OR 1/2 INCH (12 MM) MAXIMUM.

- C. VARIATION IN JOINT WIDTH: DO NOT VARY JOINT THICKNESS MORE THAN 1/8 INCH IN 36 INCHES (3 MM IN 900 MM) OR ONE-FOURTH OF NOMINAL JOINT WIDTH, WHICHEVER IS LESS.

- D. VARIATION IN PLANE BETWEEN ADJACENT SURFACES (LIPPING): DO NOT VARY FROM FLUSH ALIGNMENT WITH ADJACENT UNITS OR ADJACENT SURFACES INDICATED TO BE FLUSH WITH UNITS BY MORE THAN 1/16 INCH (1.5 MM), EXCEPT DUE TO WARPAGE OF UNITS WITHIN TOLERANCES SPECIFIED.

ADJUSTING AND CLEANING

- A. REMOVE AND REPLACE STAINED AND OTHERWISE DAMAGED UNITS AND UNITS NOT MATCHING APPROVED SAMPLES. CAST STONE MAY BE REPAIRED IF METHODS AND RESULTS ARE APPROVED BY ARCHITECT.

- B. REPLACE UNITS IN A MANNER THAT RESULTS IN CAST STONE MATCHING APPROVED SAMPLES, COMPLYING WITH OTHER REQUIREMENTS, AND SHOWING NO EVIDENCE OF REPLACEMENT.

- C. IN-PROGRESS CLEANING: CLEAN CAST STONE AS WORK PROGRESSES.

1. REMOVE MORTAR FINS AND SMEARS BEFORE TOOLING JOINTS.

2. REMOVE EXCESS SEALANT IMMEDIATELY, INCLUDING SPILLS, SMEARS, AND SPATTER.

- D. FINAL CLEANING: AFTER MORTAR IS THOROUGHLY SET AND CURED, CLEAN EXPOSED CAST STONE AS FOLLOWS:

1. REMOVE LARGE MORTAR PARTICLES BY HAND WITH WOODEN PADDLES AND NONMETALLIC SCRAPE HOES OR CHISELS.

2. TEST CLEANING METHODS ON SAMPLE; LEAVE ONE SAMPLE UNCLEANED FOR COMPARISON PURPOSES. OBTAIN ARCHITECT'S APPROVAL OF SAMPLE CLEANING BEFORE PROCEEDING WITH CLEANING OF CAST STONE.

3. PROTECT ADJACENT SURFACES FROM CONTACT WITH CLEANER BY COVERING THEM WITH LIQUID STRIPPABLE MASKING AGENT OR POLYETHYLENE FILM AND WATERPROOF MASKING TAPE.

4. WET SURFACES WITH WATER BEFORE APPLYING CLEANERS; REMOVE CLEANERS PROMPTLY BY RINSING THOROUGHLY WITH CLEAR WATER.

5. CLEAN CAST STONE BY BUCKET-AND-BRUSH HAND-CLEANING METHOD DESCRIBED IN BIA TECHNICAL NOTES NO. 20.

6. CLEAN CAST STONE WITH PROPRIETARY ACIDIC CLEANER APPLIED ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. END OF SECTION 04720

DIVISION 6 - CARPENTRY

ROUGH CARPENTRY

FURNISH ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS TO COMPLETE ALL WORK UNDER THIS HEADING AS INDICATED ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.

PROVIDE AND MAINTAIN TEMPORARY ENCLOSURES, AND BARRICADES AS REQUIRED BY GOVERNING LOCAL ORDINANCES. PROVIDE TEMPORARY DOOR AND WINDOW ENCLOSURES AS REQUIRED.

ALL INTERIOR FRAMING TO BE EITHER 3 5/8" METAL STUDS AND 5 1/2" METAL STUDS, OR 2X4 STUDS 16' O.C. AND 2X6 STUDS 16' O.C. DOUBLE AT OPENINGS, AND TRIPLE AT CORNERS AS SHOWN ON PLAN. HEADERS TO BE 36" WITH TWO (2) 2X6'S SET ON EDGE. ALL OTHER OPENINGS TO BE DETAILED ON DRAWINGS.

STRUCTURAL LUMBER

1. ALL STRUCTURAL LUMBER SHALL BE GRADE STAMPED PER STANDARD GRADING RULES. UNLESS OTHERWISE NOTED, ALL STRUCTURAL LUMBER SHALL BE SPF NO. 1 / NO. 2 GRADE, AND INTERIOR NON-BEARING STUD WALLS SHALL BE STUD GRADE.

2. PLYWOOD SHALL BE DFPA GRADE STAMPED, TYPE CDS 5 PLY WITH EXTERIOR GLUE UNLESS OTHERWISE NOTED ON PLANS.

3. ROOF FRAMING AND SHEATHING SHALL BE INSPECTED PRIOR TO PLACING ON ROOF.

4. PRE-DRILL ALL HOLES FOR 20d AND LARGER NAILS AND LAG BOLTS.

5. DOUBLE TOP PLATES ON ALL EXTERIOR AND BEARING PARTITIONS (NOT OTHERWISE DETAILED). PLATES SHALL LAP 4'-0" MINIMUM AT SPLICES AND HAVE 6-16d NAILS MINIMUM THROUGH EACH SIDE OF SPLICE.

6. BOLT HOLES FOR WOOD CONNECTIONS SHALL BE 1/32" LARGER IN DIAMETER THAN NORMAL BOLT SIZE.

7. LAG BOLTS SHALL BE LEAD HOLES BORED BEFORE DRIVING. HOLE DIAMETERS TO BE AS FOLLOWS:

- A. SHANK PORTION - SAME DIAMETER AND LENGTHS AS SHANK.
- B. THREAD PORTION - O₆ TO O_{7.5} DIAMETER OF THREAD AND SAME LENGTH.

8. ALL BOLT HEAD AND NUTS BEARING ON WOOD SHALL HAVE STEEL WASHERS.

NAILING SCHEDULE

ALL NAILING SHALL BE COMMON WIRE NAILS CONFORMING TO THE LATEST EDITION OF CBCC OR UBC, WHERE AUTOMATIC NAILING IS USED. NAILS SHALL NOT PENETRATE PLYWOOD SHEATHING. CONNECTIONS LISTED ARE MINIMUM PERMISSIBLE, DETAILS GOVERN OVER SCHEDULE.

- 1. JOIST TO SILL OR GIRDER, TOE NAIL _____ 3-8d
- 2. BRIDGING TO JOIST OR RAFTER, TOE NAIL, EACH END _____ 2-8d
- 3. SUB FLOORING SHEATHING, AT ALL BEARING _____ 2-8d

- A. 1X6 OR LESS, FACE NAIL _____ 3-8d
- B. 1X8 OR WIDER, FACE NAIL _____ 2-10d
- C. 2X(BIND AND FACE) NAIL _____ 10d^o 16'o.c.

- 4. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL _____ 2-10d
- 5. TOP PLATE TO STUD, END NAIL _____ 4-8d
- 6. STUD TO SOLE PLATE, FACE NAIL _____ 10d^o 24'o.c.
- 7. DOUBLE STUDS, FACE NAIL _____ 10d^o 16'o.c.
- 8. DOUBLE TOP PLATES, FACE NAIL _____ 2-10d

- 9. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL _____ 10d^o 16'o.c.
- 10. CONTINUOUS HEADER, TWO PIECES (ALONG EACH EDGE) _____ 3-8d
- 11. CEILING JOISTS OR RAFTERS TO ALL BEARINGS, TOE NAIL _____ 4-8d
- 12. CONTINUOUS HEADER TO STUD, TOE NAIL _____ 3-10d
- 13. CEILING JOIST, LAPS OVER PARTITIONS, FACE NAIL _____ 3-10d
- 14. CEILING JOIST TO PARALLEL RAFTER, FACE NAIL _____ 2-8d
- 15. IF BRACE TO EACH STUD AND PLATE, FACE NAIL _____ 10d^o 18'o.c.
- 16. BUILT-UP CORNER STUD _____ 3-10d
- 17. JOIST OR RAFTER TO SIDES OF STUDS _____ 1-10d

- A. UP TO AND INCLUDING 8' DEPTH _____ 3-10d
- B. FOR EACH ADDITIONAL 4' DEPTH OR LESS _____ 1-10d
- CEILING STRIPS _____ 2-8d
- A. 1'X4" TO UNDERSIDE OF JOISTS - EACH BEARING-ONE SLANT AND ONE STRAIGHT _____ 2-8d
- B. 2'X3" TO UNDERSIDE OF JOIST EACH BEARING-ONE SLANT AND ONE STRAIGHT _____ 2-10d
- C. USE STRONG HOLD ANNULAR GROOVED AT GYPSUM BOARD CEILINGS.

- 1. JOISTS TO BE USED ARE SUPPLIED BY TRUS JOIST MACMILLAN OR NATIONAL BUILDING SYSTEMS. CONTACT INFORMATION ON SP6.
- 2. SERIES USED ARE TJI IN LENGTHS AND DEPTHS AS INDICATED ON DRAWINGS.
- 3. SHOP DRAWINGS, NAILING SCHEDULES AND CONNECTION DETAILS WILL BE PROVIDED TO CONTRACTOR ALONG WITH SHIPMENT OF EVERY ORDER.
- 4. TRUS JOIST CORPORATION WILL ALSO BE SUPPLYING THE MICRO-LAM AS INDICATED ON THE DRAWINGS.

- A. UP TO AND INCLUDING 8' DEPTH _____ 3-10d
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ROOF JOISTS

- 1. JOISTS TO BE USED ARE SUPPLIED BY TRUS JOIST MACMILLAN OR NATIONAL BUILDING SYSTEMS. CONTACT INFORMATION ON SP6.
- 2. SERIES USED ARE TJI IN LENGTHS AND DEPTHS AS INDICATED ON DRAWINGS.
- 3. SHOP DRAWINGS, NAILING SCHEDULES AND CONNECTION DETAILS WILL BE PROVIDED TO CONTRACTOR ALONG WITH SHIPMENT OF EVERY ORDER.
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FINISH CARPENTRY

FURNISH ALL LABOR AND MATERIALS TO COMPLETE ALL WORK UNDER THIS SECTION AS INDICATED ON DRAWINGS AND DESCRIBED IN THESE SPECIFICATIONS.

ALL HARDWARE DIMENSIONS ARE TO BE NET SIZE AND NOT NOMINAL SIZE. MATERIAL FOR INTERIOR FINISH SHALL BE AS FOLLOWS:

- A. COUNTERTOPS TO BE FURNISHED AND INSTALLED BY KITCHEN EQUIPMENT SUPPLIER.

WALK-IN FREEZER/COOLER/DRY STORAGE

PLACEMENT OF PRE-FABRICATED, SECTIONAL WALK-IN FREEZER/COOLER SHALL BE PART OF THIS CONTRACT. UNIT WILL BE SUPPLIED BY OWNER AND WILL BE SHIPPED DIRECT TO STORE LOCATION WITH ALL UNCRATING AND ERECTION COORDINATED BY GENERAL CONTRACTOR AND WALK-IN MANUFACTURER. UNIT WILL BE SHIPPED COMPLETE WITH HARDWARE AND INSTRUCTIONS. FLOORING IN FREEZER IS PREFABRICATED. FLOORING IN COOLER IS QUARRY TILE BY GENERAL CONTRACTOR. INSTALLATION OF REFRIGERATION TO BE COORDINATED BY GENERAL CONTRACTOR AND WALK-IN MANUFACTURER AND ELECTRICAL HOOK-UP BY ELECTRICAL CONTRACTOR. SEE EQUIPMENT PLAN OF THE CONSTRUCTION DOCUMENTS.

DIVISION 7 - MOISTURE CONTROL

ALL COMPONENTS OF THE MANUFACTURERS ROOFING SYSTEM SHALL BE PRODUCTS OF THAT MANUFACTURER. SUBSTITUTES OF THEIR RELATED MATERIALS MUST HAVE PRIOR ACCEPTANCE BY THE MANUFACTURER.

ANY DEVIATION FROM MANUFACTURERS SPECIFICATIONS AND INSTALLATION INSTRUCTIONS SHALL VOID ANY WARRANTY ISSUANCE UNLESS THE DEVIATION IS APPROVED BY A DULY AUTHORIZED REPRESENTATIVE OF THE MANUFACTURER IN WRITING.

SHOP DRAWINGS ARE REQUIRED FOR ORDERING, MANUFACTURING, AND FINAL INSPECTION OF THE ROOFING SYSTEM. ALL SHOP DRAWINGS SHALL INCLUDE ROOF OUTLINE, SIZE, ALL ROOF PENETRATIONS, INSULATION TYPE AND THICKNESS, PIECE LAYOUT AND PARAPET LOCATION. ORDERS AND SHOP DRAWINGS SHALL BE APPROVED BY ROOFING MANUFACTURER AND ASSIGNED A MANUFACTURER NUMBER.

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DELIVERY

ALL ROOFING AND RELATED MATERIALS SHALL BE DELIVERED TO JOB SITE IN ORIGINAL PACKAGING AND ALL SHIPPING LABELS INTACT. IF ANY SHORTAGES OR DAMAGES ARE DISCOVERED UPON DELIVERY, DO NOT ACCEPT THEM UNTIL THE FREIGHT AGENT MAKES ON DAMAGED OR SHORT NOTATION ON YOUR FREIGHT BILL. IN CASE OF CONCEALED LOSS OR DAMAGE, IT IS NECESSARY TO NOTIFY YOUR FREIGHT AGENT AT ONCE.

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HANDLING

THERE SHOULD BE ADEQUATE PERSONNEL AND EQUIPMENT TO LIFT ROOFING MATERIAL FOR PLACEMENT ON THE ROOF TO PREVENT DAMAGE TO MATERIAL. THE MATERIAL SHALL BE DEPOSITED ON THE ROOF NEAR THE ENDS OF JOISTS OR OTHER ROOF LOAD BEARING MEMBERS OF THE BUILDING FRAME AND CONVENIENTLY LOCATED FOR FINAL PLACEMENT.

STORAGE

ALL ROOFING MATERIAL SHALL BE STORED IN ORIGINAL PACKAGING TO PROTECT MEMBRANE FROM GETTING WET OR BEING DAMAGED AND SOILED. ADHESIVES AND SEALANTS SHALL BE PROPERLY STORED AND PROTECTED AS RECOMMENDED BY THEIR MANUFACTURERS.

OVERNIGHT COVER

A TEMPORARY WATER SEAL SHALL BE PERFORMED EACH NIGHT TO AVOID WATER PENETRATING UNDERNEATH THE INSTALLED MEMBRANE AND CAUSING DAMAGE TO THE BUILDING AND THE INSULATION BEING USED.

- A. INSTALLATION WITH THE MEMBRANE EXTENDED OVER EXPOSED INSULATION (IF USED), SET INTO A WATER RESISTANT, NON-BITUMINOUS SEALANT, GENEROUSLY APPLIED OVER A DUST, GREASE, AND MOISTURE FREE SUBSTRATE. FASTEN 12" ON CENTER USING TERMINATION BAR.

ROOFING AND SHEET METAL

FURNISH AND COMPLETELY INSTALL THE ROOFING SYSTEM PER TIM HORTONS APPROVED SUPPLIER SPECIFICATIONS AND DIAGRAMS AS OUTLINED AND FURNISHED BY THE SUPPLIER. THE ROOFING SYSTEM SHALL BE INSTALLED EXCLUSIVELY BY A MANUFACTURING APPROVED APPLICATOR. FINAL INSPECTION PRIOR TO WARRANTY ISSUANCE SHALL BE PERFORMED BY AN AUTHORIZED QUALITY CONTROL FIELD INSPECTOR AS PER CURRENT SPECIFICATIONS, INSTALLATION AND INSPECTION POLICIES.

SURFACE PREPARATION

THE ROOF SHALL HAVE AN ADEQUATELY PREPARED SURFACE TO RECEIVE THE INSULATION, ROOFING AND FLASHING. PRIOR TO ONSET OF WORK, THE APPLICATOR SHALL INSPECT THE ENTIRE AREA TO BE ROOFED, AND ANY DEFECTS AND IMPROPER CONDITIONS AFFECTING THE ROOF INSTALLATION SHALL BE CORRECTED BEFORE APPLICATION OF THE INSULATION.

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WOOD DECKS

ROOF SHALL BE CLEAN, SMOOTH AND SUITABLE FOR ACCEPTANCE OF THE ROOFING SYSTEM. REMOVE AND REPLACE ALL DETERIORATED WOOD NAILERS, ROOF CURBS AND SOURED OR BADLY DETERIORATED ROOF INSULATION. ANY JOINT OR CRACKS GREATER THAN 1/4" SHALL BE REPAIRED.

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MEMBRANE

THE MEMBRANE MATERIAL SHALL BE IN ACCORDANCE WITH APPROVED MANUFACTURER SPECIFICATIONS.

RELATED MATERIALS

- 1. DRIP EDGES, GRAVEL STOPS, COPINGS AND COUNTER FLASHINGS TO BE COMPATIBLE AND INSTALLED ACCORDING TO ROOF MANUFACTURING SPECIFICATION. IF PRODUCTS USED ARE SHEET METAL, IT MUST BE A 26 GA (MIN) GALVANIZED. ALL METAL COUNTER FLASHING, COPING, DRIP EDGES, AND GRAVEL STOPS SHALL HAVE A 3" OVERLAP FOR EXPANSION AND CONTRACTING.

- 2. ROOF SCUPPER LININGS: CUT ROOF SCUPPER LINING TO FIT ROOF SCUPPERS, ALLOWING ADEQUATE MATERIAL FOR FIELD WELDING TO ROOF COVER AND BASE FLASHING. APPLY APPROVED ADHESIVE TO SCUPPER, INSTALL LINING IN SCUPPER AND MAKE FIELD WELDS TO ROOF COVER AND BASE FLASHING. APPLY APPROVED SEALANT TO ALL EXTERIOR EDGES OF LINING ON EXTERIOR OF WALL, UNDER AND ON TOP OF THE TERMINATION BAR SURROUNDING THE EDGES.

- 3. WOOD MEMBERS: ALL LUMBER SHALL BE #2 SOUTHERN YELLOW PINE, DOUGLAS FIR OR OTHER APPROVED SPECIES, AND IT SHALL BE FREE FROM WARPING, EXCESSIVE KNOTS AND GRADE MARKED. IT SHALL BE "WOLMANIZED" (CCA) PRESSURE-TREATED AND SHALL BEAR THE TRADE MARK "WOLMANIZED" OR AN APPROVED EQUAL TREATMENT.

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BUILDING INSULATION

FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE ALL WORK AS INDICATED ON THE CONSTRUCTION DOCUMENTS AND DESCRIBED IN THE SPECIFICATIONS.