



Buildings Group

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Specifications

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Permit Documents

SECTION 06 10 53 - ROUGH CARPENTRY

PART 1 GENERAL

1.1 THIS SECTION INCLUDES PLYWOOD BACKING PANELS

1.2 THIS SECTION INCLUDES INSTALLATION OF STORAGE SHELVING AS INDICATED ON THE DRAWINGS

A. MATERIALS OF QUESTIONABLE QUALITY SHALL NOT BE INSTALLED IF MATERIALS OF QUESTIONABLE QUALITY ARE INSTALLED, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE WITH NO CONSIDERATION FOR A CONDITIONAL TIME

1.4 RECEIPT, INVENTORY, STORAGE AND HANDLING OF ALL PRODUCTS SHALL BE PERFORMED BY THE CONTRACTOR. CONTRACTOR SHALL WITHIN 48 HOURS OF RECEIPT OF PRODUCTS, NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES, DAMAGES OR MISSING ITEMS

PART 2 PRODUCTS

2.1 PLYWOOD BACKING PANELS: DOC PS 1, EXPOSURE 1, C-D PLUGGED, FIRE RETARDANT TREATED NOT LESS THAN 1/2" THICKNESS

2.2 FASTENERS: PROVIDED FASTENERS OF SIZE AND TYPE INDICATED THAT COMPLY WITH REQUIREMENTS OF GOVERNING AUTHORITIES, AS A MINIMUM COMPLY WITH TABLE 2.209.2 FASTENING REQUIREMENTS IN THE IBCA NATIONAL BUILDING CODE. PROVIDE FASTENERS WITH HOT-DIP ZINC COATING COMPLYING WITH ASTM A153/A 153M WHERE ROUGH CARPENTRY IS EXPOSED TO WEATHER

PART 3 EXECUTION

3.1 PREPARATION

3.2 BACKING PANELS: SCREW TO SUPPORTS

3.3 DOORS AND FRAMES: NOT DOORS AND FRAMES PER UNIFORM STANDARDS. INSTALL DOORS WITH EVEN SPACES ON ALL SIDES

3.5 PROTECTION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL MILLWORK, CABINETS AND TRIM. PROVIDE VISIBLON CARDBOARD, ETC. AS REQUIRED.

SECTION 06 20 00 - FINISH CARPENTRY

A. GENERAL

1. PROVIDE WOOD TRIM, PLYWOOD, MDF, AND NON-SALES WOOD SHELVING AND ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION, NOT PROVIDED BY OWNER

2. STANDARDS: CONFORM TO ARCHITECTURAL WOODWORK STANDARDS (AWIS) STANDARDS. MINIMUM AWIS CUSTOM GRADE

3. SUBMITTALS: FURNISH PRODUCT DATA FOR MANUFACTURED ITEMS, SHOP DRAWINGS FOR CUSTOM ITEMS, AND SAMPLES OF EACH EXPOSED FINISH

4. CERTIFICATION: CERTIFICATION WILL NOT BE REQUIRED

5. DELIVERY, STORAGE AND HANDLING: COMPLY WITH AWIS STANDARDS AND MANUFACTURER RECOMMENDATIONS

6. NON-SALES WOOD SHELVING: AWS CUSTOM GRADE HARDWOOD-EDGED PLYWOOD

1. ADJUSTABLE SHELVING BRACKETS: INSTALL HEAVY DUTY STANDARDS AND BRACKETS WITH SLOTS 2" ON CENTER. SUPPORTS MAXIMUM 24" APART, AND MINIMUM 12" SHELF BRACKETS UNLESS OTHERWISE INDICATED

2. WOOD BASE: AWS CUSTOM GRADE, POPLAR, SMOOTH FINISH, STAINED AS INDICATED ON THE FINISH SCHEDULE

3. WOOD TRIM: AWS CUSTOM GRADE, BIRCH, ALDER OR OTHER HARDWOOD SPECIES LISTED IN WOODWORKING STANDARD, PAINTED AS SPECIFIED IN SECTION 09 91 00 PAINTING AND COATING

4. PLYWOOD: AWS CUSTOM GRADE, CLOSE-GRAIN HARDWOOD VENEER PLYWOOD, SMOOTH, WELL SANDED. PLYWOOD SHALL CONTAIN NO ADDED UREA FORMALDEHYDE RESINS. PLYWOOD WILL BE FIELD PAINTED AS SPECIFIED IN SECTION 09 91 00 PAINTING AND COATING

5. MEDIUM DENSITY FIBERBOARD (MDF) PANELS: MEDIATE CORPORATION MEDITE F OR APPROVED EQUAL. MEDIUM DENSITY FIBERBOARD, 3/4" THICK, 48" PCF DENSITY. FIBER BOARD SHALL HAVE A RECYCLED CONTENT OF 75% DENSITY AND SHALL CONTAIN NO ADDED UREA FORMALDEHYDE RESINS. MDF SHALL HAVE 1/4"-INCH WOOD-KIND JOINTS AS INDICATED

6. JOINTS, NAILS AND SCREWS: SELECT THE MATERIAL, TYPE, SIZE AND FINISH REQUIRED BY EACH SUBSTRATE TO BE USED FOR ANCHORAGE. PROVIDE TOOTHED STEEL OR LEAD EXPANSION BOLT SCREWS FOR DRILLED-IN-PLACE ANCHORS

7. WOOD FILLER: COLOR MATCH WITH WOOD BEING FILLED

8. FABRICATION: FABRICATE FINISH CARPENTRY ITEMS IN ACCORDANCE WITH SPECIFIED QUALITY STANDARD

9. INSTALLATION: INSTALL WORK CONSISTENT WITH SPECIFIED QUALITY GRADE, PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. SHIMS AS REQUIRED, USING CONCEALED SHIMS

10. PREPARATION FOR FIELD FINISHING: SAND WORK SMOOTH AND SET EXPOSED NAILS AND SCREWS. APPLY WOOD FILLER TO EXPOSED NAIL AND SCREW INDENTATIONS AND LEAVE READY TO RECEIVE SITE-APPLIED FINISHES

11. SEAL, CONCEALED AND SEMI-CONCEALED SURFACES: BRUSH APPLY ONLY USING PRIMER CONSISTENT WITH FINISH COATS

12. SPLICED UNDER SECTION 09 91 00 - PAINTING AND COATING

SECTION 06 40 00 - ARCHITECTURAL WOODWORK

A. GENERAL

1. INSTALL OWNER-FURNISHED CASEWORK AND COUNTERTOPS. PROVIDE ACCESSORIES AS REQUIRED FOR COMPLETE FINISHED INSTALLATION, UNLOAD AND STAGE MATERIALS

2. STANDARDS: CONFORM TO ARCHITECTURAL WOODWORK STANDARDS (AWIS) MINIMUM PREMIUM GRADE

3. SUBMITTALS: FURNISH PRODUCT DATA FOR MANUFACTURED ITEMS, SHOP DRAWINGS FOR CUSTOM ITEMS, AND SAMPLES OF EACH EXPOSED FINISH

4. STORAGE AND HANDLING: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS

5. ACCESSORIES: PROVIDE AS REQUIRED TO INSTALL ARCHITECTURAL WOODWORK AS INDICATED. COORDINATE ACCESSORIES, WHICH ARE NOT SUPPLIED BY THE OWNER, FOR INSTALLATION OF OWNER-FURNISHED ARCHITECTURAL WOODWORK

6. FINISHING: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AND REFERENCED STANDARDS. COORDINATE INSTALLATION OF OWNER-FURNISHED ARCHITECTURAL WOODWORK WITH MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS

7. INSTALL WORK CONSISTENT WITH SPECIFIED QUALITY GRADE, PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS

8. SCRIBE AND CUT FOR ACCURATE FIT TO OTHER FINISHED WORK

9. ENSURE MECHANICAL AND ELECTRICAL ITEMS AFFECTING ARCHITECTURAL WOODWORK ARE PROPERLY PLACED, COMPLETE, AND HAVE BEEN INSPECTED BY OWNER'S PROJECT MANAGER PRIOR TO COMMENCEMENT OF INSTALLATION

10. SECURE WORK TO GROUNDS, STRIPPING AND BLOCKING WITH COUNTERSINK, CONCEALED FASTENERS AND BLIND NAILING AS REQUIRED FOR A COMPLETE INSTALLATION

11. SCRIBE AND CUT FOR ACCURATE FIT TO OTHER FINISHED WORK

12. INSTALL ARCHITECTURAL WOODWORK UNDER SUPERVISION OF FACTORY TRAINED MECHANIC

13. ATTACH ARCHITECTURAL WOODWORK SECURELY IN PLACE WITH UNIFORM JOINTS PROVIDING FOR THERMAL AND BUILDING MOVEMENTS

14. ACCEPTABLE TOLERANCES: VARIATIONS FROM TRUE TO MAXIMUM 1/16" AT ANY POSITION, MAXIMUM 1/8" IN 10'-0" LENGTH

15. ADJOINING SURFACES OF SAME MATERIAL: NOTIFICATION BY THE

SECTION 07 21 00 - THERMAL INSULATION

PART 1 GENERAL

1.1 SUMMARY

A. SECTION INCLUDES:

1. GLASS-FIBER BLANKET INSULATION
2. MINERAL-WOOL BLANKET INSULATION

1.2 ACTION SUBMITTALS

A. PRODUCT DATA FOR EACH TYPE OF PRODUCT INDICATED

1.3 INFORMATIONAL SUBMITTALS

A. PRODUCT REPORTS BASED ON EVALUATION OF COMPREHENSIVE TESTS PERFORMED BY A QUALIFIED TESTING AGENCY, FOR EACH TYPE OF INSULATION

1.4 QUALITY ASSURANCE

A. SURFACE PREPARATION CHARACTERISTICS: AS DETERMINED BY TESTING IDENTICAL PRODUCTS ACCORDING TO ASTM E 84 BY A QUALIFIED TESTING AGENCY

B. IDENTIFY PRODUCTS WITH APPROPRIATE MARKINGS TESTABLE TESTING AGENCY

1.5 DELIVERY, STORAGE AND HANDLING

A. PROTECT INSULATION MATERIALS FROM PHYSICAL DAMAGE AND FROM DETRIORATION DUE TO MOISTURE, SOILING, AND OTHER SOURCES

B. STORE INSULATION IN A DRY LOCATION COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR HANDLING, STORING, AND PROTECTING DURING INSTALLATION

PART 2 PRODUCTS

2.1 GLASS-FIBER BLANKET INSULATION

A. 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:

1. CERTANTEED CORPORATION
2. GUARDIAN BUILDING PRODUCTS, INC.
3. JONNE MAWLE
4. KNAUF INSULATION
5. OWENS CORNING

B. UNFACED GLASS-FIBER BLANKET INSULATION: ASTM C 665, TYPE I WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 25 AND 50, RESPECTIVELY, PER ASTM E 84; PASSING ASTM E 136 FOR COMBUSTION CHARACTERISTICS

C. FOLDED GLASS-FIBER BLANKET INSULATION: ASTM C 665, TYPE III (REFLECTIVE FACED), CLASS B (FACED SURFACE WITH A FLAME-PROPAGATION RESISTANCE OF 0.12 WIGI, CM), CATEGORY 1 (MEMBRANE IS A VAPOR BARRIER), FACED WITH FOL SCRM, FOL-SCRM KRAFT, OR FOL-SCRM POLYETHYLENE

D. SUSTAINABILITY REQUIREMENTS: PROVIDE GLASS-FIBER BLANKET INSULATION AS FOLLOWS:

1. FREE OF FORMALDEHYDE; INSULATION MANUFACTURED WITH 100 PERCENT ACYCLIC BINDERS AND NO FORMALDEHYDE
2. LOW EMITTING INSULATION TESTED ACCORDING TO ASTM D 5116 AND SHOWN TO EMIT LESS THAN 0.05-PPM FORMALDEHYDE

2.2 MINERAL-WOOL BLANKET INSULATION

A. 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:

1. FIBREX INSULATIONS INC.
2. OWENS CORNING
3. KURLINC
4. THERMAFIBER

B. RECYCLED CONTENT: POST CONSUMER RECYCLED CONTENT PLUS ONE-HALF OF PRE-CONSUMER RECYCLED CONTENT NOT LESS THAN 20 PERCENT

C. UNFACED MINERAL-WOOL BLANKET INSULATION: ASTM C 665, TYPE I (BLANKETS WITHOUT MEMBRANE FACINGS); CONSISTING OF FIBERS WITH MAXIMUM FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES OF 25 AND 50, RESPECTIVELY, PER ASTM E 84; PASSING ASTM E 136 FOR COMBUSTION CHARACTERISTICS

D. REINFORCED-FOLDED MINERAL-WOOL BLANKET INSULATION: ASTM C 665, TYPE II (REFLECTIVE FACED), CLASS A (FACED SURFACE WITH A FLAME-SPREAD INDEX OF 25 OR LESS PER ASTM E 84); CATEGORY 1 (MEMBRANE IS A VAPOR BARRIER), FACED WITH FOL SCRM, FOL-SCRM KRAFT, OR FOL-SCRM POLYETHYLENE

PART 3 EXECUTION

3.1 PREPARATION

A. CLEAN SUBSTRATES OF SUBSTANCES THAT ARE HARMFUL TO INSULATION OR THAT INTERFERE WITH INSULATION ATTACHMENT

3.2 INSTALLATION - GENERAL

A. COMPLY WITH INSULATION MANUFACTURER'S WRITTEN INSTRUCTIONS APPLICABLE TO PRODUCTS AND APPLICATIONS INDICATED

B. INSTALL INSULATION THAT IS UNLADENED, DRY, AND UNGOILED AND THAT HAS NO OBSTACLES TO INSULATION AT ANY TIME

C. EXTEND INSULATION TO ENVELOPE ENTIRE AREA TO BE INSULATED. CUT AND FIT TIGHT AGAINST ALL OBSTACLES AND INTERFERE WITH PLACEMENT

D. PLACE INSULATION IN CAVITIES FORMED BY INSULATION WITH INSULATION. REMOVE PROJECTIONS THAT INTERFERE WITH PLACEMENT

E. APPLY SIZES TO FIT APPLICATIONS INDICATED AND SELECTED FROM MANUFACTURER'S STANDARD THICKNESSES, WIDTHS, AND LENGTHS. APPLY SINGLE LAYER OF INSULATION UNITS TO THICKNESSES INDICATED IN VAPOR BARRIER. OTHERWISE SHOWN OR REQUIRED TO MAKE UP TOTAL THICKNESS

3.3 INSTALLATION OF INSULATION FOR FRAMED CONSTRUCTION

A. NON-SALES WOOD SHELVING: MINERAL-WOOL BLANKET INSULATION INSTALL IN CAVITIES FORMED BY FRAMING MEMBERS ACCORDING TO THE FOLLOWING REQUIREMENTS:

1. INSULATION: PROVIDE INSULATION AND LENGTHS THAT FILL THE CAVITIES FORMED BY FRAMING MEMBERS. IF MORE THAN ONE LENGTH IS REQUIRED TO FILL THE CAVITIES, PROVIDE LENGTHS THAT WILL PRODUCE A SNUG FIT BETWEEN MEMBERS
2. PLACE INSULATION IN CAVITIES FORMED BY FRAMING MEMBERS TO PRODUCE A FRICTION FIT BETWEEN EDGES OF INSULATION AND ADJOINING FRAMING MEMBERS
3. FOR METAL-FRAMED WALL CAVITIES WHERE CAVITY HEIGHTS EXCEED 96 INCHES (2439 MM), SUPPORT UNFACED BLANKETS MECHANICALLY AND SUPPORT FACED BLANKETS BY TAPING FLANGES OF INSULATION TO FLANGES OF METALS STUDS

3.4 PROTECTION

A. PROTECT INSULATION FROM DAMAGE DUE TO HARMFUL WEATHER EXPOSURES, PHYSICAL ABUSE, AND OTHER CAUSES. PROVIDE TEMPORARY COVERINGS OR ENCLOSURES WHERE INSULATION IS SUBJECT TO ABUSE AND CANNOT BE CONCEALED AND PROTECTED BY PERMANENT CONSTRUCTION IMMEDIATELY AFTER INSTALLATION

3.5 PROTECTION

A. PROTECT INSULATION FROM DAMAGE DUE TO HARMFUL WEATHER EXPOSURES, PHYSICAL ABUSE, AND OTHER CAUSES. PROVIDE TEMPORARY COVERINGS OR ENCLOSURES WHERE INSULATION IS SUBJECT TO ABUSE AND CANNOT BE CONCEALED AND PROTECTED BY PERMANENT CONSTRUCTION IMMEDIATELY AFTER INSTALLATION

3.6 PROTECTION

A. PROTECT INSULATION FROM DAMAGE DUE TO HARMFUL WEATHER EXPOSURES, PHYSICAL ABUSE, AND OTHER CAUSES. PROVIDE TEMPORARY COVERINGS OR ENCLOSURES WHERE INSULATION IS SUBJECT TO ABUSE AND CANNOT BE CONCEALED AND PROTECTED BY PERMANENT CONSTRUCTION IMMEDIATELY AFTER INSTALLATION

3.7 PROTECTION

A. PROTECT INSULATION FROM DAMAGE DUE TO HARMFUL WEATHER EXPOSURES, PHYSICAL ABUSE, AND OTHER CAUSES. PROVIDE TEMPORARY COVERINGS OR ENCLOSURES WHERE INSULATION IS SUBJECT TO ABUSE AND CANNOT BE CONCEALED AND PROTECTED BY PERMANENT CONSTRUCTION IMMEDIATELY AFTER INSTALLATION

3.8 PROTECTION

A. PROTECT INSULATION FROM DAMAGE DUE TO HARMFUL WEATHER EXPOSURES, PHYSICAL ABUSE, AND OTHER CAUSES. PROVIDE TEMPORARY COVERINGS OR ENCLOSURES WHERE INSULATION IS SUBJECT TO ABUSE AND CANNOT BE CONCEALED AND PROTECTED BY PERMANENT CONSTRUCTION IMMEDIATELY AFTER INSTALLATION

SECTION 06 10 00 - MISCELLANEOUS ROUGH CARPENTRY

A. GENERAL

1. PROVIDE MISCELLANEOUS ROUGH CARPENTRY

2. STANDARDS: COMPLY WITH REQUIREMENTS OF AMERICAN PLYWOOD ASSOCIATION (APA) AND OTHER APPLICABLE STANDARDS

3. PLYWOOD: PROVIDE MINIMUM P-C-D PLUGGED, INTERIOR TYPE PLYWOOD. FIRE RETARDANT TREATED; MINIMUM 3/4" THICK UNLESS OTHERWISE INDICATED

4. PLYWOOD STANDARD: COMPLY WITH PS 1 (ANSI A 130)

5. PLYWOOD PANEL BOARDS: PROVIDE PANEL BOARDS FOR ELECTRICAL AND COMMUNICATION PANEL BOARDS, C-D PLUGGED, INTERIOR TYPE PLYWOOD

6. FASTENERS: PROVIDE FASTENERS AS REQUIRED FOR COMPLETE, SECURE INSTALLATION OF MISCELLANEOUS ROUGH CARPENTRY. GALVANIZED AT EXTERIOR LOCATIONS AND WHEN USED WITH PRESURE-TREATED WOOD; SIZE AND TYPE TO SUIT APPLICATION; PROVIDE WASHERS FOR NUTS AND BOLTS

7. INSTALLATION: COMPLY WITH REFERENCED STANDARDS AND APPLICABLE CODE REQUIREMENTS

8. FABRICATION AND INSTALLATION

1. PLACE MISCELLANEOUS ROUGH CARPENTRY TRUE TO LINES AND LEVELS

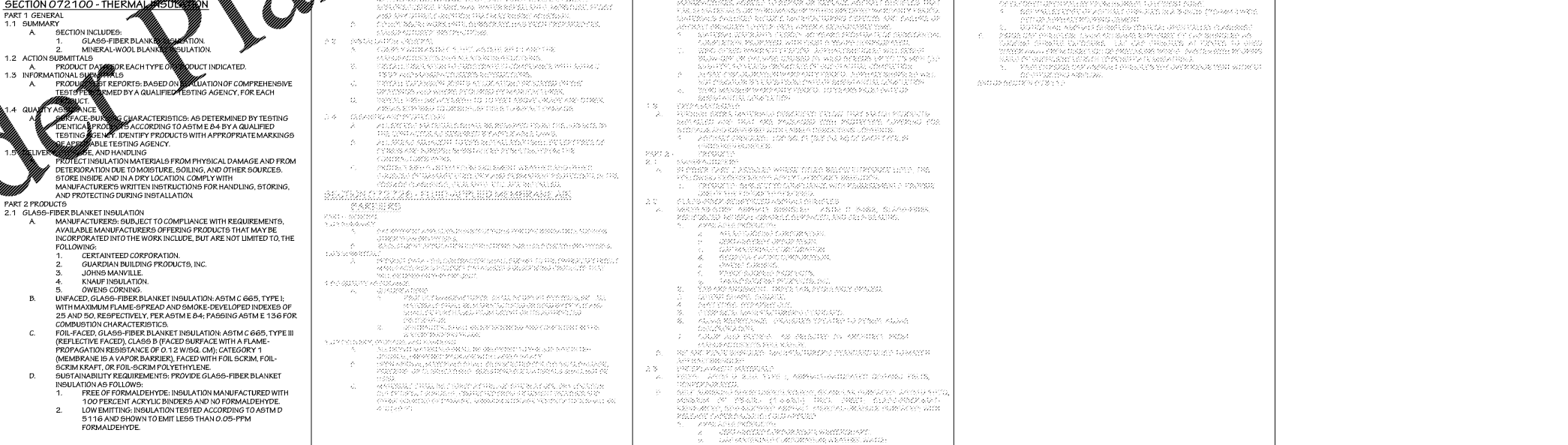
2. COORDINATE LOCATION SO ATTACHED WORK WILL COMPLY WITH DESIGN REQUIREMENTS AND BE PROPERLY LOCATED

3. CONTRACT MEASUREMENTS OF CONTINUOUS PIECES OF LONGEST POSSIBLE LENGTHS

4. FIT CARPENTRY WORK TO OTHER WORK; SCRIBE AND COPE AS REQUIRED FOR ACCURATE FIT

5. SECURELY ATTACH CARPENTRY WORK TO SUBSTRATES BY ANCHORING AND FASTENING AS REQUIRED BY REFERENCED STANDARDS

6. PROVIDE WASHERS UNDER BOLT HEADS AND NUTS IN CONTACT WITH WOOD



NOT USED

NOT USED

NOT USED

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