

COPYRIGHT: Reuse or reproduction of the contents of this document is not permitted without written permission of Bild Architecture LLC

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

- 001116 - INVITATION TO BID
1.1 PROJECT INFORMATION
A. NOTICE TO BIDDERS: PREQUALIFIED BIDDERS ARE INVITED TO SUBMIT BIDS.
B. PROJECT IDENTIFICATION: 16040 - MULTI-USE SHELL.
1. PROJECT LOCATION: 50 COVE STREET, PORTLAND, ME 04101.
C. OWNER: PETER BASS, RANDOM ORBIT, INC., 30 DANFORTH STREET, SUITE 213, PORTLAND, ME 04101, (207) 772-6005.
D. ARCHITECT: BILD ARCHITECTURE, 30 DANFORTH STREET, SUITE 213, PORTLAND, ME 04101, (207) 408-0168.
E. CONSTRUCTION MANAGER: WRIGHT RYAN CONSTRUCTION, INC., 10 DANFORTH STREET, PORTLAND, ME 04101, (207) 773-3825.
F. CONSTRUCTION CONTRACT: GENERAL CONTRACT (ALL TRADES) PROJECT.
1.2 BIDDERS QUALIFICATIONS
A. BIDDERS MUST BE PREQUALIFIED BY OWNER.
B. BIDDERS MUST BE PROPERLY LICENSED AND BE ABLE TO OBTAIN REQUIRED BONDS. A 100% PERFORMANCE AND PAYMENT BOND WILL BE REQUIRED.
C. THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL BE ADDED AS ADDITIONAL NAMES INSURED ON THE OWNERS POLICY.

- DOCUMENT 003113 - PRELIMINARY SCHEDULE
1.1 PROJECT SCHEDULE
A. ANTICIPATED PROJECT START: SPRING 2018.
B. ANTICIPATED PROJECT DURATION: 6-MONTHS.

DIVISION 01 - GENERAL REQUIREMENTS

- SECTION 011000 - SUMMARY
1.1 PROJECT INFORMATION
A. PROJECT IDENTIFICATION: 16040 - MULTI-USE SHELL.
1. PROJECT LOCATION: 50 COVE STREET, PORTLAND, ME 04101.
B. OWNER: PETER BASS, RANDOM ORBIT, INC., 30 DANFORTH STREET, SUITE 213, PORTLAND, ME 04101, (207) 772-6005.
C. OWNER'S CONSULTANT: THE OWNER HAS RETAINED THE FOLLOWING DESIGN PROFESSIONALS WHO HAVE PREPARED DESIGNATED PORTIONS OF THE CONTRACT DOCUMENTS:
A. BENNETT ENGINEERING: WILL BENNETT, P.E., 7 BENNETT RD, FREEPORT, ME 04032, (207) 885-9475.
B. ARCHITECT: BILD ARCHITECTURE, 30 DANFORTH STREET, SUITE 213, PORTLAND, ME 04101, (207) 408-0168.
C. ARCHITECTS CONSULTANTS: THE ARCHITECT HAS RETAINED THE FOLLOWING DESIGN PROFESSIONALS WHO HAVE PREPARED DESIGNATED PORTIONS OF THE CONTRACT DOCUMENTS:
1. STRUCTURAL ENGINEER: AARON JONES, P.E., STRUCTURAL INTEGRITY, 77 OAK STREET, PORTLAND, ME 04101, (207) 774-4614.
E. OTHER OWNER CONSULTANTS:
1. ACORN ENGINEERING, INC.: WILL SAVAGE, P.E. CIVIL ENGINEER, 158 DANFORTH ST. PORTLAND, ME 04102 (207) 775-2655
2. STEPHEN TIBBETS, P.E., CONSULTING CIVIL ENGINEER, 15 OAK RIDGE RD., BRUNSWICK, ME 04011, (207) 725-2667.
F. CONSTRUCTION MANAGER, ADVISOR: WRIGHT RYAN CONSTRUCTION, INC., 10 DANFORTH STREET, PORTLAND, ME 04101, (207) 773-3825.
1.2 WORK COVERED BY CONTRACT DOCUMENTS
A. THE WORK OF PROJECT: THIS PROJECT INCLUDES THE CONSTRUCTION OF A 9,500 SQUARE FOOT, TWO STORY BUILDING SHELL FOR INTENDENT SEPARATED BUSINESS AND MERCANTILE. THE CONSTRUCTION TYPE FOR THIS BUILDING IS VB, AND THE BUILDING WILL NOT BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM (BASE BID).
B. TYPE OF CONTRACT: SINGLE PRIME CONTRACTS.

- SECTION 012100 - ALLOWANCES
1.1 SCHEDULE OF ALLOWANCES
A. ALLOWANCE NO. 3: EXTERIOR SIGNAGE ALLOWANCE: INCLUDE THE SUM OF \$10,000.
B. ALLOWANCE NO. 4: INTERIOR SIGNAGE ALLOWANCE: INCLUDE THE SUM OF \$1,000.
C. ALLOWANCE NO. 5: FIRE EXTINGUISHER AND CABINET ALLOWANCE: INCLUDE THE SUM OF \$1,000.

- SECTION 012300 - ALTERNATES
1.1 SCHEDULE OF ALTERNATES
A. ALTERNATE NO. 1: POLISHED CONCRETE FLOORS.
1. BASE BID, POLISHED CONCRETE SLAB TO BE LOCATED ONLY IN BATHROOMS AND COMMON AREAS.
2. ADD ALTERNATE: POLISHED CONCRETE SLAB AT THE ENTIRE FIRST FLOOR.
B. ALTERNATE NO. 2: SPRINKLER SYSTEM.
C. 34654654
1. BASE BID: BUILDING SHALL BE UNSPRINKLERED.
2. ALTERNATE: PROVIDE NFPA 13 AUTOMATIC SPRINKLER SYSTEM.
a. AUTOMATIC SPRINKLER SYSTEM TO BE DELEGATED DESIGNED UNDER GENERAL CONTRACTORS CONSTRUCTION CONTRACT.
b. PROVIDE 1-HR RATED CEILING ASSEMBLY (REPLACE ASSEMBLY F1 WITH F2 ON DRAWINGS) BETWEEN 1ST & 2ND FLOORS.
c. STAIR #2 SHALL HAVE A 1-HR RATED, TYPE W2 WALL ASSEMBLY.
C. ALTERNATE NO. 3: FIRST FLOOR WINDOWS
1. BASE BID: WINDOWS ONLY ON SECOND FLOOR
2. ADD ALTERNATE: PRICE WINDOWS SHOWN AS "ADD ALTERNATE" ON FIRST FLOOR.

- SECTION 012500 - SUBSTITUTION PROCEDURES
1.1 ACTION SUBMITTALS
C. DOCUMENTATION:
1. PRODUCT DATA.
2. SAMPLES.
B. ARCHITECTS ACTION: IF NECESSARY, ARCHITECT WILL REQUEST ADDITIONAL INFORMATION WITHIN SEVEN DAYS OF RECEIPT OF A REQUEST FOR SUBSTITUTION. ARCHITECT WILL NOTIFY CONTRACTOR OF ACCEPTANCE OR REJECTION WITHIN 15 DAYS OF RECEIPT, OR SEVEN DAYS OF RECEIPT OF ADDITIONAL INFORMATION.
1.2 SUBSTITUTIONS
A. SUBSTITUTIONS: NOT LATER THAN 15 DAYS PRIOR TO TIME REQUIRED FOR PREPARATION AND REVIEW OF SUBMITTALS.

- SECTION 013100 - PROJECT MANAGEMENT AND COORDINATION
1.1 COORDINATION DRAWINGS
A. PREPARE COORDINATION DRAWINGS WHERE SPACE IS LIMITED OR IF REQUIRED TO INTEGRATE PRODUCTS.
1.2 REQUESTS FOR INFORMATION (RFIS)
A. RFI FORMS: SOFTWARE-GENERATED FORM ACCEPTABLE TO ARCHITECT.
B. ARCHITECTS ACTION: ALLOW SEVEN WORKING DAYS FOR ARCHITECTS RESPONSE FOR EACH RFI.
1.3 PROJECT MEETINGS
A. SCHEDULE AND CONDUCT MEETINGS.

- B. PRECONSTRUCTION CONFERENCE.
C. PREINSTALLATION CONFERENCES: BEFORE EACH CONSTRUCTION ACTIVITY THAT REQUIRES COORDINATION.
D. PROGRESS MEETINGS: AT REGULAR INTERVALS, COORDINATED WITH PREPARATION OF PAYMENT REQUESTS.

SECTION 013300 - SUBMITTAL PROCEDURES

- 1.1 DEFINITIONS
A. ACTION SUBMITTALS: INFORMATION THAT REQUIRES ARCHITECTS RESPONSIVE ACTION.
1.2 PROCEDURES
A. ELECTRONIC COPIES OF DIGITAL DATA FILES OF THE CONTRACT DRAWINGS WILL BE PROVIDED BY ARCHITECT FOR CONTRACTORS USE.
B. PROCESSING TIME:
1. INITIAL REVIEW: 15 DAYS.
2. RESUBMITTAL REVIEW: 15 DAYS.
3. SEQUENTIAL REVIEW: 21 DAYS.
4. CONCURRENT CONSULTANT REVIEW: 15 DAYS.
C. SUBMITTAL PROCEDURES:
1. SUBMIT VIA EMAIL AS PDF FILES.
2. ACTION SUBMITTALS: SUBMIT THREE PAPER COPIES.
D. DELEGATED-DESIGN SERVICES CERTIFICATION: IN ADDITION TO OTHER REQUIRED SUBMITTALS, SUBMIT DIGITALLY SIGNED PDF ELECTRONIC FILE AND THREE PAPER COPIES OF CERTIFICATE, SIGNED AND SEALED BY THE RESPONSIBLE DESIGN PROFESSIONAL.
E. CONTRACTORS REVIEW:
1. SUBMITTALS: MARKED WITH APPROVAL STAMP BEFORE SUBMITTING TO ARCHITECT.
F. ARCHITECTS ACTION:
1. ACTION SUBMITTALS: STAMPED WITH AN ACTION STAMP AND RETURNED.

SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS

- 1.0 CONTRACTOR TO BE RESPONSIBLE FOR ALL CONDITION LISTED IN THE CONSTRUCTION MANAGEMENT PLAN SHOWN ON SITE PLAN
1.1 USE CHARGES
A. SEWER SERVICE: OWNER WILL PAY CHARGES.
B. WATER SERVICE: OWNER WILL PAY CHARGES.
C. ELECTRIC POWER SERVICE: OWNER WILL PAY CHARGES.
1.2 TEMPORARY FACILITIES
A. COMMON-USE FIELD OFFICE: PREFABRICATED OR MOBILE UNITS.
B. STORAGE AND FABRICATION SHEDS.
1.3 EQUIPMENT
A. FIRE EXTINGUISHERS.
B. HVAC EQUIPMENT: PROVIDE VENTED, SELF-CONTAINED HEATERS WITH INDIVIDUAL SPACE THERMOSTATIC CONTROL.
1.4 TEMPORARY UTILITY INSTALLATION
A. SEWERS AND DRAINAGE.
B. WATER SERVICE: INSTALL WATER SERVICE.
C. SANITARY FACILITIES: PROVIDE TEMPORARY TOILETS, WASH FACILITIES, AND DRINKING WATER.
D. HEATING: PROVIDE TEMPORARY HEATING REQUIRED BY CONSTRUCTION ACTIVITIES.
E. ELECTRIC POWER SERVICE: PROVIDE OVERHEAD SERVICE.
F. LIGHTING: PROVIDE TEMPORARY LIGHTING.
1.5 SUPPORT FACILITIES INSTALLATION
A. TEMPORARY USE OF PERMANENT ROADS AND PAVED AREAS: LOCATE TEMPORARY ROADS AND PAVED AREAS IN SAME LOCATION AS PERMANENT ROADS AND PAVED AREAS.
B. PARKING: USE DESIGNATED AREAS OF OWNER'S EXISTING PARKING AREAS.
C. DEWATERING FACILITIES AND DRAINS: MAINTAIN PROJECT SITE, EXCAVATIONS, AND CONSTRUCTION FREE OF WATER.
1.6 SECURITY AND PROTECTION FACILITIES INSTALLATION
A. TEMPORARY EROSION AND SEDIMENTATION CONTROL.
B. STORMWATER CONTROL.
C. TREE AND PLANT PROTECTION.
D. COVERED WALKWAY: ERECT PROTECTIVE, COVERED WALKWAY FOR PASSAGE OF INDIVIDUALS THROUGH OR ADJACENT TO PROJECT SITE.

SECTION 017300 - EXECUTION

- 1.1 EXECUTION
A. EXISTING CONDITIONS: EXISTENCE AND LOCATION OF SITE IMPROVEMENTS, UTILITIES, AND OTHER CONSTRUCTION AFFECTING THE WORK MUST BE INVESTIGATED AND VERIFIED.
B. REVIEW OF THE CONTRACT DOCUMENTS AND FIELD CONDITIONS.
C. CONSTRUCTION LAYOUT: ENGAGE A LAND SURVEYOR TO LAY OUT THE WORK USING ACCEPTED SURVEYING PRACTICES.
D. FIELD ENGINEERING: OWNER WILL IDENTIFY EXISTING BENCHMARKS, CONTROL POINTS, AND PROPERTY CORNERS. LOCATE EXISTING PERMANENT BENCHMARKS, CONTROL POINTS, AND SIMILAR REFERENCE POINTS.
E. INSTALLATION: COMPLY WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
1.2 PROGRESS CLEANING
A. CLEAN PROJECT SITE AND WORK AREAS DAILY. DISPOSE OF MATERIALS LAWFULLY.
B. KEEP INSTALLED WORK CLEAN.
C. REMOVE DEBRIS FROM CONCEALED SPACES.
1.3 STARTING AND ADJUSTING
A. START EQUIPMENT AND OPERATING COMPONENTS TO CONFIRM PROPER OPERATION.
B. ADJUST EQUIPMENT FOR PROPER OPERATION.
1.4 PROTECTION OF INSTALLED CONSTRUCTION
A. PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS THAT ENSURE WORK IS WITHOUT DAMAGE.
SECTION 017700 - CLOSEOUT PROCEDURES
1.1 SUBSTANTIAL COMPLETION
A. PRELIMINARY PROCEDURES: BEFORE REQUESTING INSPECTION, COMPLETE THE FOLLOWING.
1. CONTRACTOR'S LIST OF INCOMPLETE ITEMS (PUNCH LIST).
a. SUBMIT PDF ELECTRONIC FILE.
2. OWNER ADVISED OF PENDING INSURANCE CHANGEOVER.
3. WARRANTIES, MAINTENANCE SERVICE AGREEMENTS, AND SIMILAR DOCUMENTS SUBMITTED.
4. RELEASES, OCCUPANCY PERMITS, AND OPERATING CERTIFICATES

- 5. PROJECT RECORD DOCUMENTS SUBMITTED.
6. TOOLS, SPARE PARTS, AND EXTRA MATERIALS DELIVERED.
7. FINAL CHANGEOVER OF LOCKS PERFORMED.
8. STARTUP TESTING COMPLETED.
9. TEST/ADJUST/BALANCE RECORDS SUBMITTED.
10. TEMPORARY FACILITIES REMOVED.
11. OWNER ADVISED OF HEAT AND UTILITY CHANGEOVER.
12. CHANGEOVER INFORMATION FOR USE, OPERATION, AND MAINTENANCE SUBMITTED.
13. FINAL CLEANING PERFORMED.
14. TOUCHUP PERFORMED.
1.2 FINAL COMPLETION
A. PRELIMINARY PROCEDURES: BEFORE REQUESTING FINAL INSPECTION, COMPLETE THE FOLLOWING:
1. FINAL APPLICATION FOR PAYMENT SUBMITTED.
2. LIST OF INCOMPLETE ITEMS (PUNCH LIST) ENDORSED BY ARCHITECT AS COMPLETED OR OTHERWISE RESOLVED FOR ACCEPTANCE.
3. EVIDENCE OF CONTINUING INSURANCE COVERAGE SUBMITTED.
1.3 SUBMITTAL OF PROJECT WARRANTIES
A. PARTIAL OCCUPANCY: SUBMIT WARRANTIES WITHIN 15 DAYS OF COMPLETION OF DESIGNATED PORTIONS OF THE WORK THAT ARE OCCUPIED OR USED BY OWNER.
B. SCAN WARRANTIES AND BONDS INTO A SINGLE INDEXED ELECTRONIC PDF FILE.
1.4 FINAL CLEANING
A. CLEAN EACH SURFACE OR UNIT TO CONDITION EXPECTED IN AN AVERAGE COMMERCIAL BUILDING CLEANING AND MAINTENANCE PROGRAM.
B. REPLACE DISPOSABLE AIR FILTERS AND CLEAN PERMANENT AIR FILTERS.
C. CLEAN DUCTS, BLOWERS, AND COILS IF UNITS WERE OPERATED WITHOUT FILTERS DURING CONSTRUCTION.
1.5 REPAIR OF THE WORK
A. REPAIR OR REMOVE AND REPLACE DEFECTIVE CONSTRUCTION. WHERE DAMAGED OR WORN ITEMS CANNOT BE REPAIRED OR RESTORED, PROVIDE REPLACEMENTS. RESTORE DAMAGED CONSTRUCTION AND PERMANENT FACILITIES USED DURING CONSTRUCTION TO SPECIFIED CONDITION.

- SECTION 017823 - OPERATION AND MAINTENANCE DATA
1.1 SUMMARY
A. OPERATION AND MAINTENANCE MANUALS.
1.2 PRODUCTS
A. FORMAT:
1. PDF ELECTRONIC FILES WITH COMPOSITE ELECTRONIC INDEX ON DIGITAL MEDIA ACCEPTABLE TO ARCHITECT. INCLUDE A COMPLETE ELECTRONICALLY LINKED OPERATION AND MAINTENANCE DIRECTORY.
B. OPERATION MANUALS: SYSTEM, SUBSYSTEM, AND EQUIPMENT DESCRIPTIONS, OPERATING PROCEDURES, WIRING DIAGRAMS, CONTROL DIAGRAMS AND SEQUENCE OF OPERATION, AND PIPED SYSTEM DIAGRAMS.
C. PRODUCT MAINTENANCE MANUALS: SOURCE INFORMATION, PRODUCT INFORMATION, MAINTENANCE PROCEDURES, REPAIR MATERIALS AND SOURCES, AND WARRANTIES AND BONDS.
D. SYSTEMS AND EQUIPMENT MAINTENANCE MANUALS: SOURCE INFORMATION, MANUFACTURERS' MAINTENANCE DOCUMENTATION, MAINTENANCE PROCEDURES, MAINTENANCE AND SERVICE SCHEDULES, SPARE PARTS LIST AND SOURCE INFORMATION, MAINTENANCE SERVICE CONTRACTS, AND WARRANTIES AND BONDS.

SECTION 017823 - OPERATION AND MAINTENANCE DATA

- SECTION 03 - CONCRETE
033000 CAST-IN-PLACE CONCRETE (SEE STRUCTURAL DRAWINGS)
SECTION 033543 - POLISHED CONCRETE FINISHING
1.1 QUALITY ASSURANCE
A. FIELD SAMPLE PANELS.
1.2 PRODUCTS
A. CONCRETE SEALER.
1. CONCRETE SEALER TO BE INSTALLED AS A COMPLETE SYSTEM WITH WARRANTY FROM THE INSTALLER.
1.3 POLISHING
A. POLISH: LEVEL 2: LOW SHEEN, 400 GRIT.

DIVISION 05 - METALS

- 051200 STRUCTURAL STEEL FRAMING (SEE STRUCTURAL DRAWINGS)
055000 METAL FABRICATIONS (SEE STRUCTURAL DRAWINGS)
SECTION 055213 - PIPE AND TUBE RAILINGS
1.1 SUMMARY
A. STEEL PIPE RAILINGS.
1.2 FABRICATION
A. CHANGES IN DIRECTION OF MEMBERS: BY INSERTING PREFABRICATED FITTINGS.
B. CONNECTIONS: NONWELDED, PRE-FABRICATED.
1. BASIS OF DESIGN PRODUCT: SPEED-RAIL BY HOLLAENDER, 10285 WAYNE AVENUE, CINCINNATI, OH 45215; 1-800-772-8800; WWW.HOLLAENDER.COM.
C. INFILL PANELS: WOVEN-WIRE MESH - GALVANIZED
1.3 FINISHES
A. STEEL PIPE: GALVANIZED.

DIVISION 06 - WOODS, PLASTICS, & COMPOSITES

- SECTION 061000 - ROUGH CARPENTRY (SEE STRUCTURAL)
SECTION 061600 - SHEATHING
1.1 MATERIALS
A. PRODUCTS, GENERAL:
1. INSULATED SHEATHING PANEL WITH INTEGRAL WEATHER BARRIER.
2. SHEATHING PANEL WITH INTEGRAL WEATHER BARRIER.
3. SUBFLOORING AND UNDERLAYMENT.
B. WALL SHEATHING:
1. ORIENTED STRAND BOARD: EXPOSURE 1, STRUCTURAL I, 2-INCH THICK INSULATED SHEATHING WITH 5/8-INCH OSB PANEL AND INTEGRAL WEATHER BARRIER AND TAPED JOINTS.
2. BASIS OF DESIGN PRODUCT: ZIP SYSTEM BY HUBER ENGINEERED WOODS; 10925 DAVID TAYLOR DRIVE, SUITE 300, CHARLOTTE, NC 28282; WWW.HUBERWOOD.COM.
C. ROOF SHEATHING:
1. ORIENTED STRAND BOARD: EXPOSURE 1, STRUCTURAL I, 5/8 INCH THICK.

- 2. BASIS OF DESIGN PRODUCT: BASIS OF DESIGN PRODUCT: ZIP SYSTEM BY HUBER ENGINEERED WOODS; 10925 DAVID TAYLOR DRIVE, SUITE 300, CHARLOTTE, NC 28282; WWW.HUBERWOOD.COM.
D. PARAPET SHEATHING:
1. PLYWOOD: EXTERIOR, STRUCTURAL I, 1/2 INCH THICK.
E. SUBFLOORING AND UNDERLAYMENT:
1. PLYWOOD SUBFLOORING: EXPOSURE 1, STRUCTURAL I, 3/4 INCH THICK.
F. FASTENERS: HOT-DIP GALVANIZED STEEL WHERE EXPOSED TO WEATHER, IN GROUND CONTACT, IN CONTACT WITH TREATED WOOD, OR IN AREA OF HIGH RELATIVE HUMIDITY.
G. MISCELLANEOUS MATERIALS:
1. SHEATHING TAPE.
2. ADHESIVES: LOW VOC.
1.2 INSTALLATION
1. SUBFLOORING:
a. NAIL TO WOOD FRAMING.

061753 SHOP-FABRICATED WOOD TRUSSES (SEE STRUCTURAL)

061800 GLUED-LAMINATED CONSTRUCTION (SEE STRUCTURAL)

- 067300 COMPOSITE WOOD DECKING
1.1 MATERIALS
A. COMPOSITE WOOD:
1. COMPOSITION: RECLAIMED WOOD AND PLASTIC WITH INTEGRAL COLORING
2. PROFILE:
A. DECKING - 2" SQUARE EDGE BOARD
3. COLOR - TBD DURING SUBMITTALS
B. INSTALLATION
1. INSTALL AS PER MANUFACTURERS INSTRUCTIONS

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

- SECTION 070500 - RAINSCREEN DRAINAGE MAT
1.1 QUALITY ASSURANCE:
B. PROVIDE MOCKUP
1.2 WARRANTY:
A. MANUFACTURER'S WARRANTY: SUBMIT, FOR OWNER'S ACCEPTANCE, MANUFACTURER'S STANDARD WARRANTY DOCUMENT EXECUTED BY AUTHORIZED COMPANY OFFICIAL.
1.3 RAINSCREEN DRAINAGE MAT:
A. RAINSCREEN DRAINAGE MAT WITH MOISTURE RESISTANT FILTER FABRIC 11MM
1. CORE MATERIAL: EXTRUDED POLYMER MATRIX
2. FABRIC MATERIAL: NON-WOVEN POLYPROPYLENE FIBER
1.4 ACCESSORIES
2. SELF ADHERING FLASHING
MATERIAL: THERM-FLASH / BUTYL WITH REINFORCED FOIL FILM
3. FASTENERS:
A. TYPE: GALVANIZED ROOFING NAILS OR STAPLES
B. MATERIAL: CORROSION PROTECTED STEEL
1.5 INSTALLATION
A. INSTALL AS PER MANUFACTURERS RECOMMENDATIONS

SECTION 072100 - THERMAL INSULATION

- 1.1 MATERIALS
A. INSULATION:
1. EXTRUDED POLYSTYRENE BOARD: TYPE VI, 40 PSI.
2. POLYISOCYANURATE BOARD: GLASS-FIBER-MAT FACED, TYPE II, CLASS 2.
3. GLASS-FIBER BLANKET: UNFACED.
4. GLASS-FIBER BOARD, UNFACED: 3 LB./CU. FT..
B. AUXILIARY INSULATING MATERIALS:
1. INSULATION FASTENERS.

SECTION 072600 - VAPOR RETARDERS

- A. SHEET RETARDER: POLYIMIDE FILM VAPOR RETARDER FOR USE WITH UNFACED, VAPOR PERMEABLE GLASS FIBER AND MINERAL WOOL INSULATION IN WALL AND CEILING CAVITIES.
A.A. BASIS OF DESIGN PRODUCT: CERTANTEED - MEMBRAN CONTINUOUS AIR BARRIER & SMART VAPOR RETARDER
1. WATER VAPOR PERMEANCE:
a. ASTM E 86, DRY CUP METHOD: 1.0 PERMS (57NG/PA*S*M2)
b. ASTM E 86, WET CUP METHOD: 10.0 PERMS (1144NG/PA*S*M2).
1.2 INSTALLATION
A. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
B. INSTALL IN EXTERIOR SPACES WITHOUT GAPS OR VOIDS. DO NOT COMPRESS INSULATION.
C. TRIM INSULATION NEATLY TO FIT SPACES. INSULATE MISCELLANEOUS GAPS AND VOIDS.
D. FIT INSULATION TIGHT IN SPACES AND TIGHT TO EXTERIOR SIDE OF MECHANICAL AND ELECTRICAL SERVICES WITHIN PLANE OF INSULATION.
E. INSTALL INSULATION WITH VAPOR BARRIER INSTALLED FACING THE WARM SIDE. SEAL OR TAPE JOINTS AS REQUIRED.
1.3 PROTECTION
A. PROTECT INSTALLED PRODUCTS UNTIL COMPLETION OF PROJECT.
B. TOUCH-UP, REPAIR OR REPLACE DAMAGED PRODUCTS BEFORE SUBSTANTIAL COMPLETION.

SECTION 074600 - FIBER-CEMENT SIDING

- 1.1 QUALITY ASSURANCE
A. MOCKUPS FOR EACH TYPE OF SIDING.
1.2 WARRANTY
A. MATERIALS AND WORKMANSHIP: 30 YEARS.
1.3 PRODUCTS
A. FIBER-CEMENT SIDING: ASTM C 1186, TYPE A, GRADE II.
1. PATTERN: PANEL AND PLANK
2. TEXTURE: SMOOTH.
3. FACTORY PRIMED.
4. BASIS OF DESIGN PRODUCT: 12" HARDIE PLANK AND PANEL BY JAMES HARDIE; 231 S. LASALLE ST., SUITE 2000, CHICAGO, IL 60604; 1-888 J-HARDIE; JAMESHARDIE.COM.

- B. FLASHING AND TRIMS: ALUMINUM.
1. FINISH: ALUMINUM.
2. BASIS OF DESIGN PRODUCT: FRY REGLET CORPORATION; ALPHARETTA, GA; 800-237-9773; FRYREGLET.COM.

SECTION 075233 - ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING

- 1.1 WARRANTY
A. MANUFACTURER'S MATERIALS AND WORKMANSHIP WARRANTY: 20 YEARS.
B. INSTALLERS WARRANTY: TWO YEARS.
1.2 PERFORMANCE REQUIREMENTS
A. ROOFING SYSTEM DESIGN:
1. REFER TO STRUCTURAL DRAWINGS FOR ROOF UPLIFT PRESSURES.
1.3 MATERIALS
A. EPDM ROOFING: NONREINFORCED, 60 MILS THICK
1. BASIS OF DESIGN PRODUCT: RUBBERGUARD EPDM SA AS MANUFACTURED BY FIRESTONE BUILDING PRODUCTS OR APPROVED EQUAL.
B. SHEET FLASHING: 60-MIL- THICK EPDM.
C. PROTECTION SHEET.
D. SUBSTRATE BOARD: GLASS-MAT, WATER-RESISTANT GYPSUM SUBSTRATE.
E. ROOF INSULATION: POLYISOCYANURATE BOARD.
1. TAPERED INSULATION: 1/4 INCH PER 12 INCHES.
F. WALKWAYS: PADS AS SUPPLIED BY EPDM ROOFING MANUFACTURER.
1.4 INSTALLATION
A. ROOF INSULATION: ADHERED.
B. ROOFING MEMBRANE: ADHERED.
C. SEAMS: TAPE.

Bild Architecture
PROJECT NO. 16040
PROJECT NAME MIXED-USE SHELL
50 COVE STREET, PORTLAND ME - 04101
ISSUE DATE 2/2/18
SHEET TITLE SHEET SCALE N.T.S.
OUTLINE SPECIFICATIONS
PERMITTING DRAWINGS
REVISIONS
1 02.27.2018
2
3
4
5
DRAWN BY EMW
SHEET TITLE
SCALE
N.T.S.