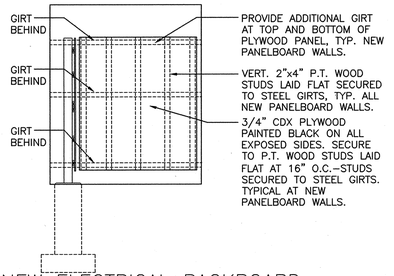
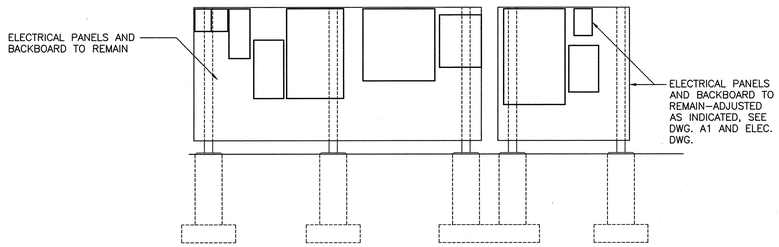
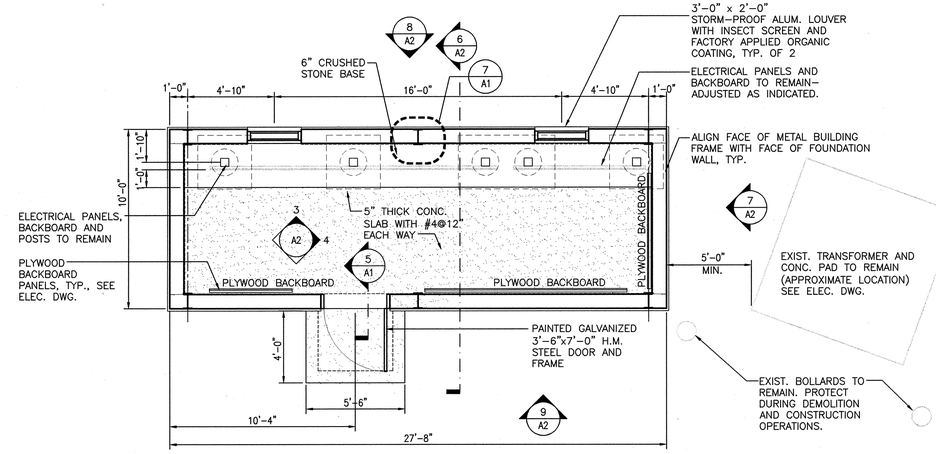


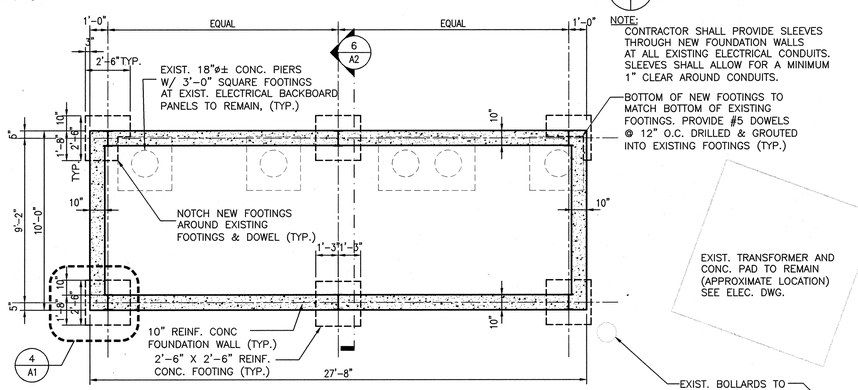
4 / A2 ELEVATION–NEW ELECTRICAL BACKBOARD
1/4" = 1'–0"



3 / A2 ELEVATION–RENOVATED ELECTRICAL BACKBOARD
1/4" = 1'–0"



2 / A2 PLAN–NEW ELEC. PANEL BUILDING ENCLOSURE
1/4" = 1'–0"



1 / A2 FOUNDATION PLAN–NEW ELEC. PANEL BUILDING ENCLOSURE
1/4" = 1'–0"

PLAN NORTH

NOTE:
CONTRACTOR SHALL PROVIDE SLEEVES THROUGH NEW FOUNDATION WALLS AT ALL EXISTING ELECTRICAL CONDUITS. SLEEVES SHALL ALLOW FOR A MINIMUM 1" CLEAR AROUND CONDUITS.

DOOR HARDWARE MOUNTING HEIGHTS

LOCK STRIKE – 38 7/8"
DOOR LEVERS – 42"
DEADLOCK STRIKES – 48"
BOTTOM HINGE – FIN. FLOOR TO BOT. OF HINGE 10"
TOP HINGE – HEAD RABBET TO TOP OF HINGE
CENTER HINGE – CENTERED BETWEEN TOP & BOT. HINGE

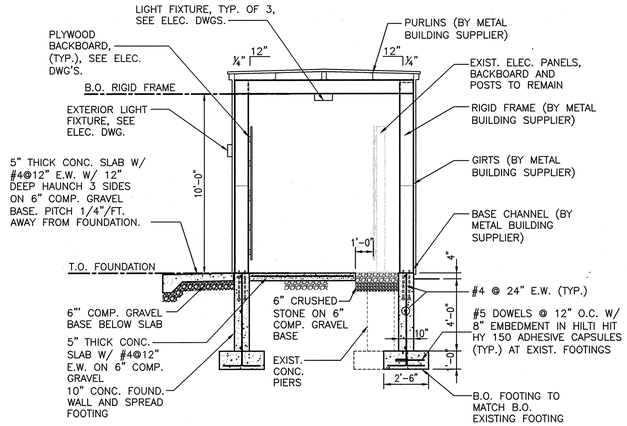
DOOR HARDWARE SET

(3) HINGES–STANLEY CB199 4 1/2 X 4 1/2 NRP 5 KNUCKLE, FOUR BALL BEARING, NON–FERROUS WITH NON –REMOVABLE PINS EQUAL TO STANELY CB199.

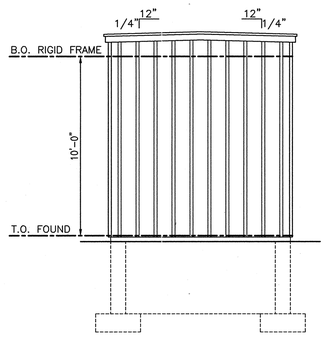
(1) LOCKSET 35H7EW SHALL COMPLY WITH BHMA A156.13, GRADE 1, EQUAL TO BEST 35H SERIES WITH 14H DESIGN TRIM. KEYING SHALL CONFORM TO OWNER'S EXISTING SYSTEM.

(1) CYLINDER

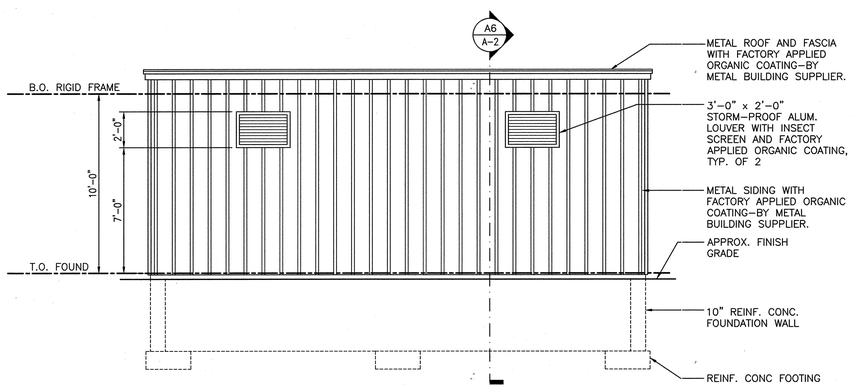
(1) WEATHERSTRIPPING PEMKO O5050CL OR EQUAL



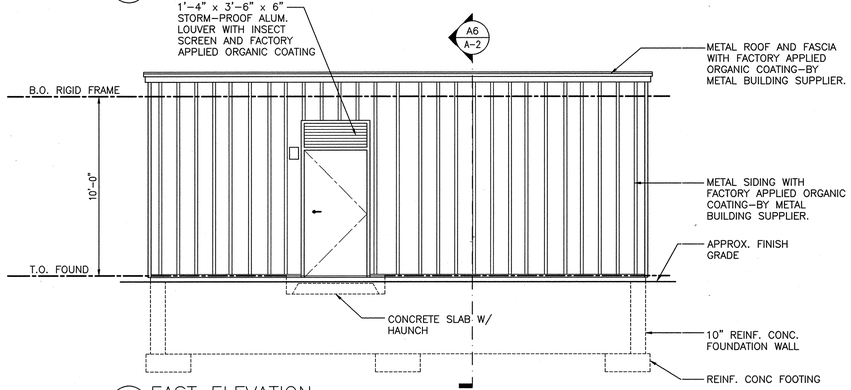
6 / A2 SECTION
1/4" = 1'–0"



7 / A2 NORTH & SOUTH ELEVATION
1/4" = 1'–0"



8 / A2 WEST ELEVATION
1/4" = 1'–0"



9 / A2 EAST ELEVATION
1/4" = 1'–0"

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	XXX	1	1

METAL BUILDING NOTES

1. DESIGN OF THE METAL BUILDING SYSTEM SHALL BE AS A CLEAR–SPAN RIGID FRAME WITH STRAIGHT COLUMNS. MAXIMUM COLUMN DEPTH SHALL BE NO GREATER THAN 10".
2. LATERAL FORCES SHALL BE CARRIED BY RIGID FRAMES AND DIAGONAL BRACES. NO PANEL SHEAR SHALL BE USED FOR LATERAL SUPPORT.
3. THE MANUFACTURER SHALL BE CERTIFIED UNDER THE METAL BUILDING SYSTEMS (MB) CERTIFICATION PROGRAM ATSC.
4. ALL DESIGN LOADS AND CRITERIA SHALL BE IN ACCORDANCE WITH BOCA 96 AND MBMA LOW RISE MANUAL AND ALL APPLICABLE STANDARDS AND CODES.
5. DESIGN DRAWINGS SHALL BEAR THE REGISTRATION STAMP AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER OF THE STATE OF MAINE.

CONCRETE NOTES

1. CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318–99), AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301–99).
2. UNLESS OTHERWISE INDICATED ALL CONCRETE SHALL BE NORMAL WEIGHT AND SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
3. ALL CONCRETE SHALL BE AIR–ENTRAINED. VERIFY AIR CONTENT BEFORE PLACEMENT OF ALL CONCRETE.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
5. CONCRETE COVER FROM FACE OF CONCRETE TO MAIN REINFORCING SHALL BE AS FOLLOWS UNLESS SHOWN OTHERWISE:
   SLABS, FOOTINGS, AND BOTTOM OF WALLS CAST 3" AGAINST AND PERMANENTLY EXPOSED TO EARTH
6. BAR PLACING SHALL CONFORM TO CONCRETE REINFORCING STEEL INSTITUTE'S RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS.
7. REINFORCING BARS SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315).
8. UNLESS INDICATED OTHERWISE ON THE DRAWINGS, REBAR SPLICES SHALL BE STAGGERED WITH NOT MORE THAN 50 PERCENT OF THE REBARS SPLICED WITHIN A REQUIRED LAP LENGTH. LOCATIONS OF ALL SPLICES SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
9. REINFORCING BARS SHALL BE LAP SPLICED NO LESS THAN 22" UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
10. ALL EXPOSED CORNERS OF CONCRETE SHALL HAVE A 3/4"x45 DEGREE CHAMFER, U.N.O.
11. CUT NO BARS AND OMIT NO BARS BECAUSE OF SLEEVE OR DUCT OPENINGS IN FLOORS OR WALLS. BARS MAY BE MOVED ASIDE WITHOUT CHANGING THE DISTANCE FROM THE FACE OF CONCRETE. BEND NO BARS IN FIELD WITHOUT APPROVAL OF THE ENGINEER.
12. PROVIDE THE NECESSARY ACCESSORIES TO HOLD REINFORCEMENT SECURELY IN POSITION. MINIMUM REQUIREMENTS SHALL BE: HIGH CHAIRS, 4'–0" O.C. WITH CONTINUOUS #5 SUPPORT BAR; SLAB BOLSTERS, CONTINUOUS AND 3'–6" O.C.; BEAM BOLSTERS, 5'–0" O.C.
13. WHERE REINFORCEMENT IS NOT SHOWN ON DRAWINGS, PROVIDE REINFORCEMENT IN ACCORDANCE WITH THE NEAREST APPLICABLE DETAILS AS DETERMINED BY THE ENGINEER. IN NO CASE SHALL REINFORCEMENT BE LESS THAN THE MINIMUM REINFORCEMENT PERMITTED BY THE APPLICABLE
14. CODES.
    DOWELS SHALL MATCH SIZE AND NUMBER OF MAIN BARS UNLESS NOTED OTHERWISE.

REGISTERED ARCHITECT PETER MORRISON NO. 2574 STATE OF MAINE

100% DESIGN SUBMISSION–09/30/04

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

ELECTRICAL PANEL ENCLOSURE BUILDING AT PORTLAND INTERNATIONAL MARINE TERMINAL

COMMERCIAL STREET – PORTLAND, MAINE

PLANS, ELEVATIONS, SECTION, & NOTES

A2
SHEET 3 OF 4

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN–DETAILED		
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS