

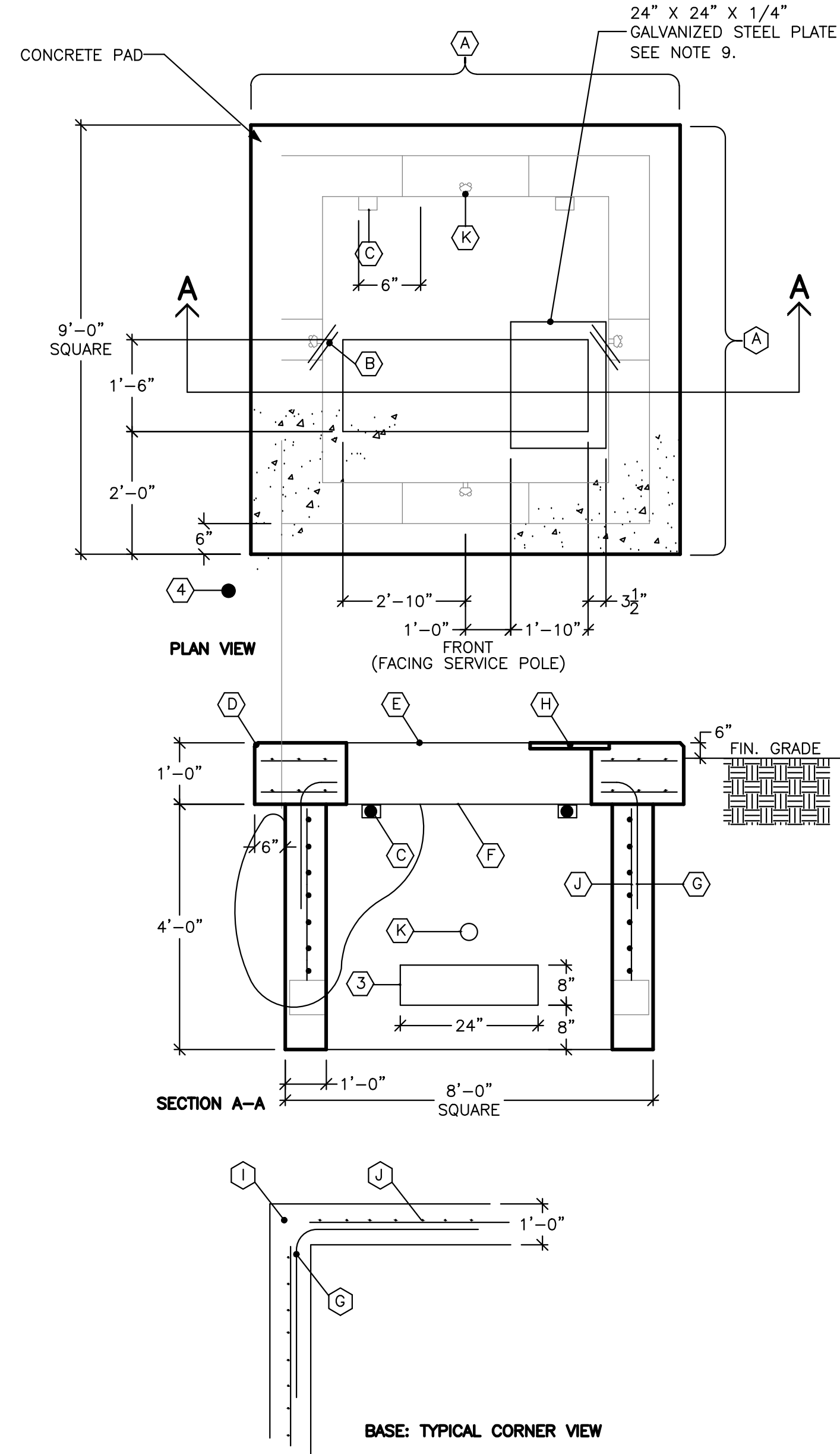
- (A) UNDERGROUND ELECTRICAL PRIMARY SERVICE CONDUITS:
(2) 5" PVC SCHED 40 (CONCRETE ENCASED)
- (B) UNDERGROUND SERVICE METER CONDUIT:
(1) 1-1/4" PVC SCHED 40
- (C) UNDERGROUND ELECTRICAL SECONDARY SERVICE CONDUIT AND WIRE (PANEL MDP2):
(4) 500MCM AL 75 C CONDUCTORS IN EACH OF (2) 4" PVC SCHED 40 CONDUITS.
- (D) UNDERGROUND ELECTRICAL SECONDARY SERVICE CONDUIT AND WIRE (PANEL MDP1):
(4) 600MCM AL 75 C CONDUCTORS IN EACH OF (2) 4" PVC SCHED 40 CONDUITS.
(1) 4" PVC SCHED 40 SPARE
- (E) UNDERGROUND TELEPHONE AND CABLE TV SERVICE CONDUITS:
(1)-3" PVC SCHED 40 - CONSOLIDATED COMMUNICATIONS TELEPHONE SERVICE
(1)-3" PVC SCHED 40 - SPECTRUM CABLE SERVICE
- (F) OVERHEAD ELECTRICAL SECONDARY SERVICE WIRE
(3) 336.4 ACSR PLUS (1) 1/0 ACSR NEUTRAL (PANEL MDP2)
(3) 447 ACSR PLUS (1) 1/0 ACSR NEUTRAL (PANEL MDP1)
OVERHEAD TELEPHONE AND CABLE TV SERVICE WIRES
CONSOLIDATED COMMUNICATIONS (TELEPHONE)
SPECTRUM (CABLE TV)
- (G) UNDERGROUND ELECTRICAL SECONDARY SERVICE CONDUIT AND WIRE (PANEL MDP2):
(4) 500MCM AL 75 C CONDUCTORS IN EACH OF (2) 4" PVC SCHED 40 CONDUITS.
UNDERGROUND TELEPHONE AND CABLE TV SERVICE CONDUITS:
(1)-3" PVC SCHED 40 - CONSOLIDATED COMMUNICATIONS TELEPHONE SERVICE
(1)-3" PVC SCHED 40 - SPECTRUM CABLE SERVICE
- (H) OVERHEAD ELECTRICAL SECONDARY SERVICE WIRE
(3) 336.4 ACSR PLUS (1) 1/0 ACSR NEUTRAL (PANEL MDP2)
OVERHEAD TELEPHONE AND CABLE TV SERVICE WIRES
CONSOLIDATED COMMUNICATIONS (TELEPHONE)
SPECTRUM (CABLE TV)
- (I) UNDERGROUND ELECTRICAL SECONDARY SERVICE CONDUIT AND WIRE (PANEL MDP2):
(4) 600MCM AL 75 C CONDUCTORS IN EACH OF (2) 4" PVC SCHED 40 CONDUITS.
(1) 4" PVC SCHED 40 SPARE
UNDERGROUND TELEPHONE AND CABLE TV SERVICE CONDUITS:
(1)-3" PVC SCHED 40 - CONSOLIDATED COMMUNICATIONS TELEPHONE SERVICE
(1)-3" PVC SCHED 40 - SPECTRUM CABLE SERVICE

ELECTRICAL PANEL MDP2
277/480V, 3PH, W, 800A
(PROVIDED UNDER MARINA
CONSTRUCTION SCOPE OF WORK)

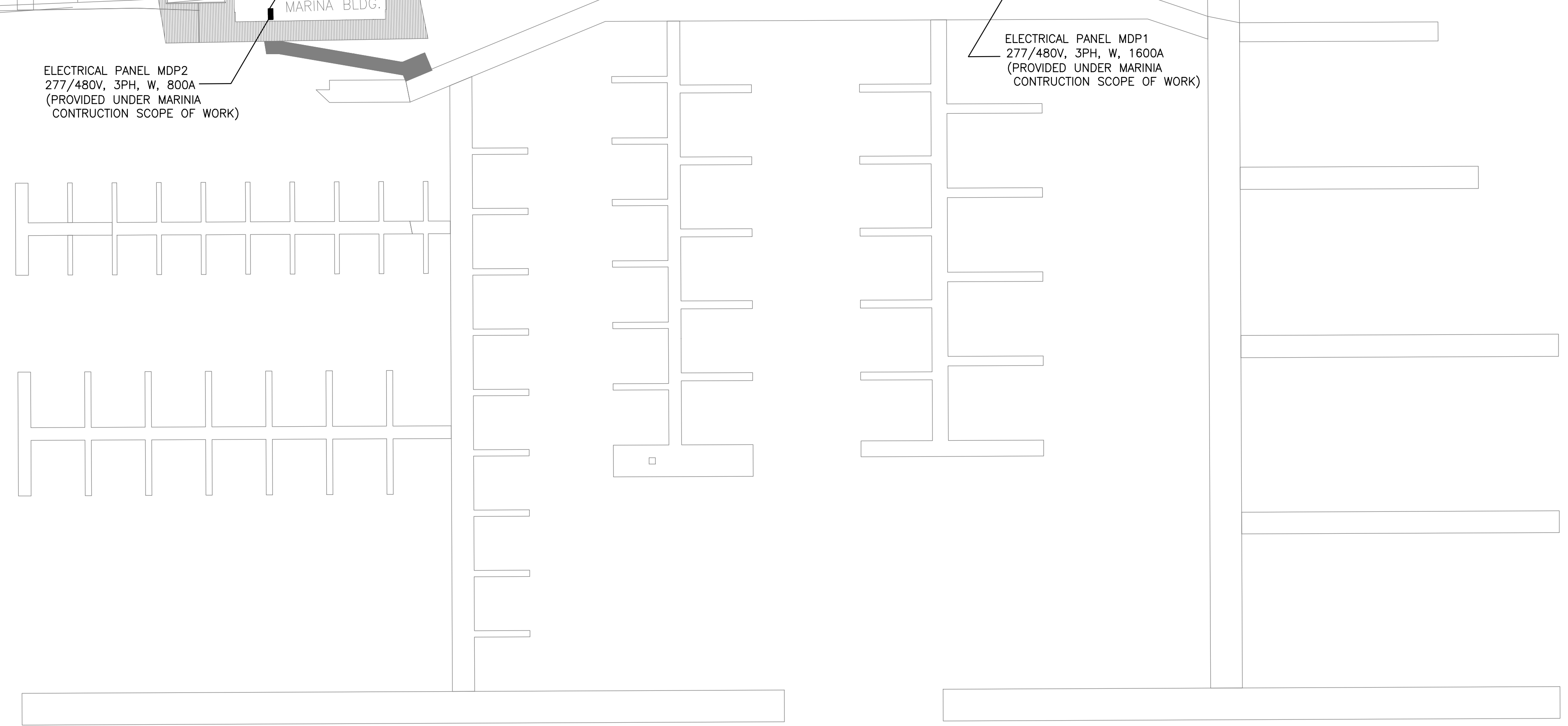
ELECTRICAL PANEL MDP1
277/480V, 3PH, W, 1600A
(PROVIDED UNDER MARINA
CONSTRUCTION SCOPE OF WORK)

TRANSFORMER PAD DETAIL NOTES:

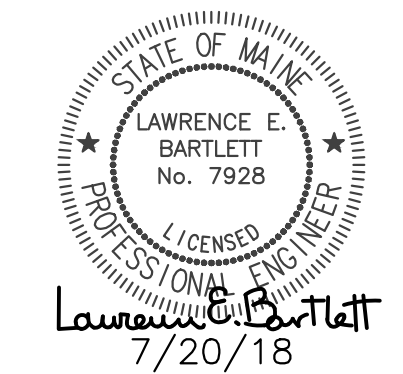
1. "FRONT" DENOTES THE SIDE ON WHICH THE ACCESS DOORS ARE LOCATED. THE CONCRETE BASE SHALL BE SET ON A SUITABLE GRAVEL BASE AND LOCATED SO THE FRONT IS BASE AND LOCATED SO THE FRONT IS ACCESSIBLE BY TRUCK AND SUITABLY PROTECTED FROM PLOW AND TRAFFIC DAMAGE.
 2. FINISH GRADE SHALL BE GRADED IN SUCH A MANNER TO ALLOW SURFACE WATER TO FLOW AWAY FROM THE PAD.
 3. PROVIDE 8" X 12" CABLE HOLES (BOND OUTS) 8" UP FROM THE WALL BASE. LOCATE ONE CABLE HOLE PER WALL, OR AS REQUIRED. LINE UP CABLE HOLES WITH TRENCHES.
 4. PROVIDE A 3/4" X 96" GALVANIZED GROUND ROD SIX INCHES IN FRONT OF THE LEFT FRONT CORNER OF THE PAD. THE TOP OF THE GROUND ROD SHALL BE 6" BELOW FINAL GRADE.
 5. A GROUND WIRE SHALL BE INSTALLED FROM THE GROUND ROD THROUGH THE CABLE HOLE AT THE BOTTOM OF THE PAD. ENOUGH GROUND WIRE SHALL BE PROVIDED SO THAT IT CAN BE INSTALLED THROUGH THE TWO GROUNDING LUGS AND CONNECTED TO THE NEUTRAL SPADE.
 6. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI @ 28 DAYS. FOR CAST-IN-PLACE, EARLY HIGH STRENGTH MAY BE USED WITH A MINIMUM OF SEVEN DAY CURE TIME.
 7. REINFORCING STEEL SHALL HAVE F_y = 60 KSI.
 8. FOR PRECAST UNITS: THE PRECAST SUPPLIER SHALL PROVIDE LIFTING LUGS IN THE SLAB (PAD) AND BASE; THE PRECAST SUPPLIER SHALL ASSEMBLE THE SLAB TO THE BASE PRIOR TO SHIPPING TO THE SITE TO ENSURE THAT THE SLAB AND BASE FIT PROPERLY (WITH NO ROCKING OF THE SLAB EVIDENT).
 9. USE A 24" X 24" X 1/4" GALVANIZED STEEL PLATE TO COVER A PORTION OF THE CABLE HOLE WHEN THE TRANSFORMER DOES NOT COMPLETELY COVER IT. CUT THE STEEL PLATE TO FIT, IF NECESSARY.
- A. 9 - #5 REBAR EVENLY SPACED EACH WAY TOP TO BOTTOM.
 - B. 2 - #4 CORNER DIAGONAL REBAR 2'-0" LONG TOP AND BOTTOM.
 - C. 4" X 4" X 1/2" ANGLE 6" LONG WITH (2) 3/4" DIAMETER EXPANSION ANCHORS TYPICAL AT 4 PLACES (TWO PIECE PRECAST ONLY).
 - D. CHAMFER TYPICAL.
 - E. 2" CONCRETE COVER OVER TOP REBAR.
 - F. 3" CONCRETE COVER OVER BOTTOM REBAR.
 - G. #5 L-BAR @ 12" (CAST-IN-PLACE ONLY).
 - H. 24" X 24" X 1/4" GALVANIZED STEEL PLATE.
 - I. 5/C #62-1795
 - J. 6 X 6 W/M @ CENTER OF COVER.
 - K. #5 REBAR ON 12" CENTERS.
 - L. PULLING EYE INSERT, FOR USE WITH 3/4" NATIONAL COURSE THREAD EYE-BOLT, (RICHMOND LCB-1 OR EQUIVALENT), LOCATED OPPOSITE EACH CABLE HOLE AND 2' (TWO FEET) FROM BOTTOM.
 - M. ALL REBAR ENDS TO BE COVERED BY 1" OF CONCRETE, MINIMUM.



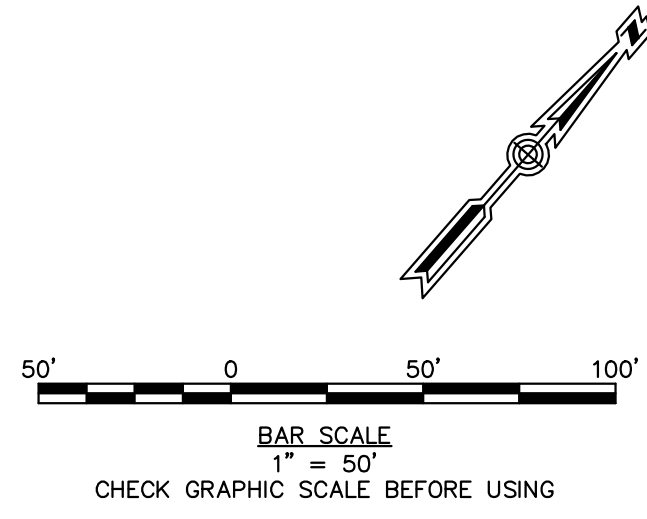
2 | ELECTRICAL SERVICE TRANSFORMER PAD DETAIL
NOT TO SCALE



1 | ELECTRICAL SITE PLAN
SCALE: 1" = 50'-0"



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TEL: (207) 448-5447



JOB NO: 227007.50
DATE: 07/20/18
SCALE: 1"=50'-0"

CPB2, LLC
PORTLAND, MAINE
MARINA NRP PERMIT

ELECTRICAL SERVICES
SITE PLAN
DESIGNED BY: LEB
DRAWN BY: LEB
CHECKED BY:

WOODARD & CURRAN
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