

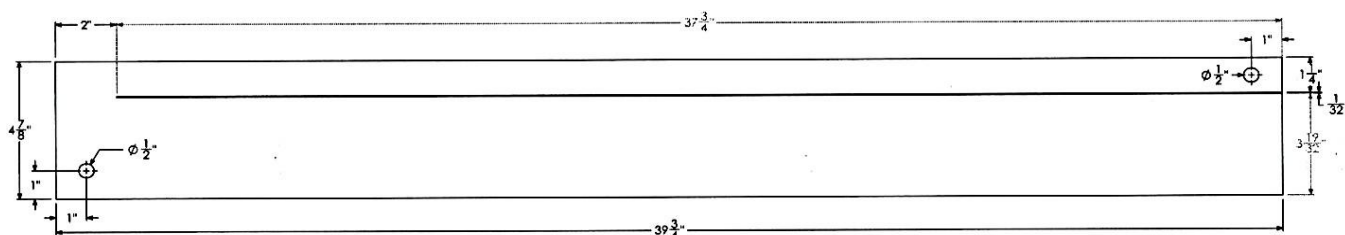


US PAT# 11,728,579

CAN PAT # 3,038,935

CSA APPROVED (304123) C22.2 NO. 41-22 – 6.10.4.1

THE REVOLUTIONARY **I-PLATE**. IRONMAN HAS DONE IT ONCE AGAIN. WITH SIMPLICITY, THE NEW **I-PLATE** ALLOWS YOU TO HAVE THE CHOICE OF A FLAT GROUND PLATE OR ONE WITH A VERTICAL FLANGE. ALLOWING IT TO BE BURIED, YET STILL PROTRUDE ABOVE THE CONCRETE FLOOR FOR FUTURE CONNECTIONS.



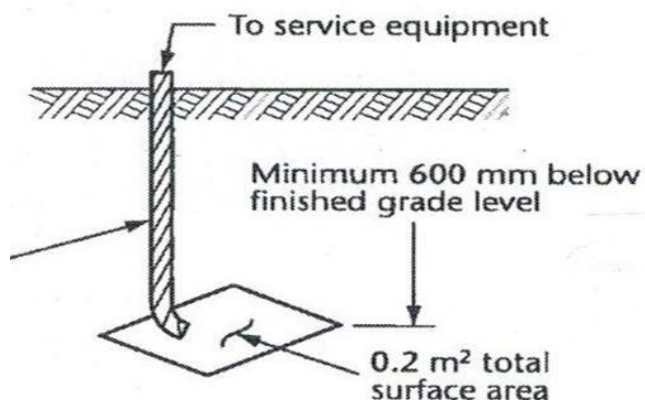
C22.1-18 Section 10

Grounding and bonding

10-102 Grounding electrodes (see Appendix B)

- 1) Grounding electrodes shall consist of
 - a) manufactured grounding electrodes
 - c) in the case of a plate electrode, be
 - i) in direct contact with exterior soil at **not less than 600 mm below grade level**; or
 - ii) encased within the bottom **50 mm** of a concrete foundation footing in direct contact with the earth at **not less than 600 mm below finished grade**.

NOTE: NOT INTENDED FOR CONCRETE ENCASEMENT (IN CANADA ONLY), AS PER CSA STANDARD





THE **I-PLATE** IS 39 3/4" x 4 7/8" x 1/4". THE FLANGE (SIZED TO EQUAL THE MASS OF A 5/8" ROD) CAN BE LEFT FLAT FOR BURIED CONNECTION OR EASILY BENT BY HAND FOR A VERTICAL CONNECTION ABOVE THE FINISHED FLOOR. THERE IS A HOLE IN THE FLANGE AND MAIN BODY ALLOWING INTERCONNECTION IN A GROUND GRID SITUATION WHERE POOR SOIL EXISTS.

THIS **I-PLATE** ALSO REVOLUTIONIZES THE SHIPPING AND HANDLING OF THIS PRODUCT BY REMOVING THE 5/8" VERTICAL ROD MAKING SHIPPING AND STORAGE EXPENSIVE. THE **I-PLATE** ALLOWS HUNDREDS OF THESE TO BE STACKED FLAT ON EACH PALLET AND THEN PALLETS STACKED ON EACH OTHER. THIS PRODUCT ALSO WEIGHS IN AT ONLY 14 LBS.

IRONMAN IS SO SURE OF THE SUCCESS OF THIS PRODUCT THAT WE DECIDED TO APPLY FOR A PATENT, WHICH HAS NOW BEEN GRANTED. WE LOOK FORWARD TO OFFERING THIS PRODUCT TO MANY CUSTOMERS IN CANADA AND THE UNITED STATES.

ADVANTAGES

1. NO NEED FOR EXPENSIVE UNDERGROUND CERTIFIED CONNECTORS
2. ABOVE GROUND CONNECTORS, 20% THE PRICE OF UNDERGROUND CONNECTORS
3. NO VISUAL VERIFICATION OF CONNECTION NEEDED PRIOR TO POURING THE FLOOR
4. NO ADDED EXPENSE OR DELAYS DUE TO NEED OF VISUAL INSPECTION
5. MAY BE CONNECTED TO ELECTRICAL HARDWARE AT ANY TIME
6. IDEAL IN RESPECT TO STORAGE, HANDLING AND USE
7. CAN BE USED FOR ABOVE OR BELOW GROUND CONNECTIONS
8. CAN ALSO BE INTERCONNECTED TO OTHER DEVICES FORMING A GROUNDING GRID
9. CAN BE INSTALLED AT ANY TIME IN THE CONSTRUCTION PROCESS
10. MAKES CONCRETE ENCASEMENT GROUND PLATES OBSOLETE AS THIS CAN BE PLACED ANYWHERE
11. NO NEED TO LEAVE HOLE OPEN FOR INSPECTION OF THE UNDERGROUND CONNECTION

INSTALATION

1. DIG HOLE PER CSA/CES REQUIREMENTS ABOVE
2. GRASP THE LEG OF THE I-PLATE AT MIDPOINT WHILE STANDING ON MAIN SECTION
3. STAND UP WHILE HOLDING LEG UNTIL IT IS PERPINDICULAR TO THE MAIN SECTION
4. PLACE PLATE IN THE HOLE, MAKING ANY CONNECTIONS BELOW GROUND
5. BURY AND CONNECT ABOVE GROUND