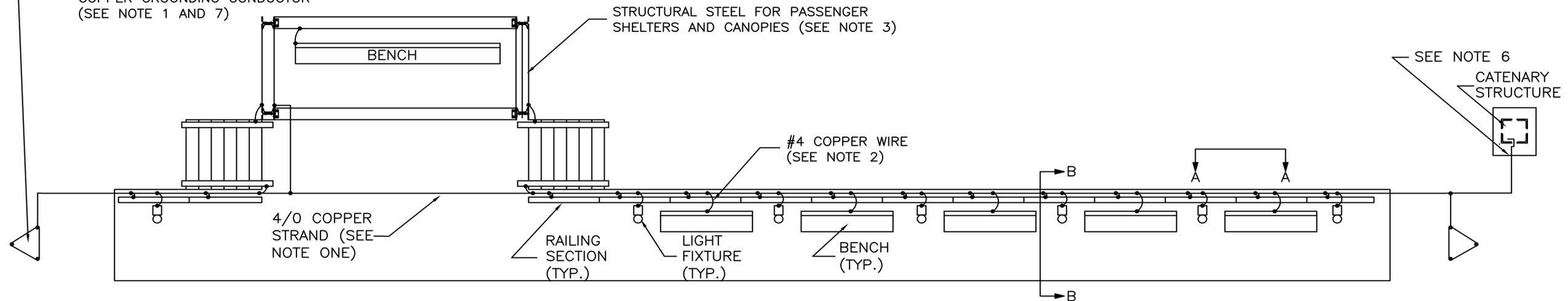




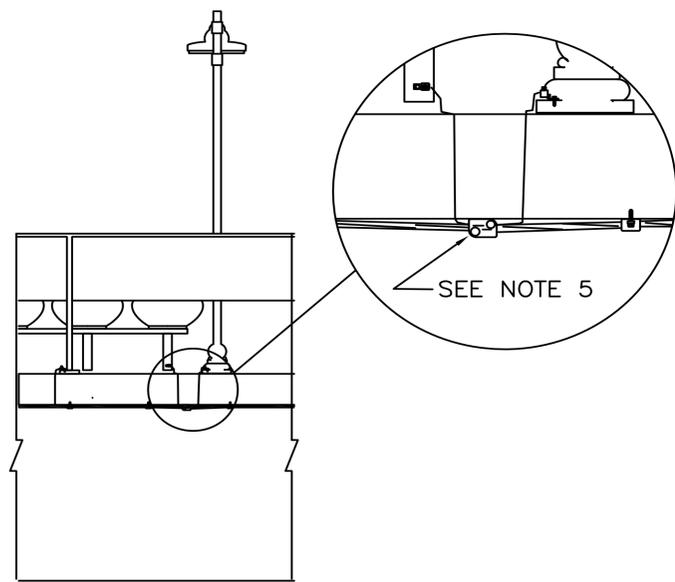
THREE EIGHT FOOT GROUND ROD  
IN TRIANGULAR FORMATION SIX INCHES  
BELOW GRADE CAD-WELDED TO THE 4/0  
COPPER GROUNDING CONDUCTOR  
(SEE NOTE 1 AND 7)



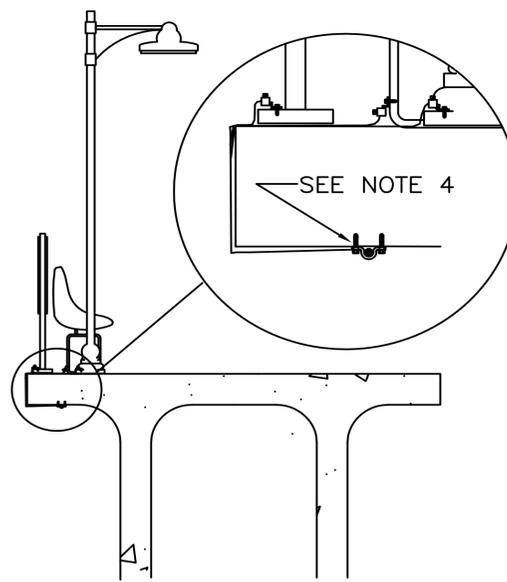
PLAN VIEW

NOTES:

1. 4/0 COPPER WIRE TO BE CONNECTED TO UNDERSIDE OF CONCRETE PLATFORM A MINIMUM OF 12" FROM THE EDGE. THIS CONDUCTOR IS TO BE CAD-WELDED TO THE GROUND RODS AT BOTH ENDS OF THE PLATFORM AND CAD-WELDED TO A CATENARY STRUCTURE AT ONE END.
2. #4 WIRE WITH ONE HOLE CONNECTOR LUGS AND 1/4" SELF TAPPING BOLTS TO BE CONNECTED TO ALL METALLIC PERMANENTLY MOUNTED FIXTURES ON PASSENGER PLATFORM SUCH AS BENCHES, RAILINGS, LIGHT STANCHIONS, AND STRUCTURAL STEEL ACCESSIBLE TO THE PASSENGERS. (OPTION, ACCESS LIGHT POST THROUGH BOTTOM OF PLATFORM THROUGH FIXTURE HAND HOLE.)
3. BOND ACROSS ALL EXPANSION JOINTS ON ANY STRUCTURAL STEEL WITH 4/0 COPPER STRAND AND SERVICE POST CONNECTORS.
4. USE TWO HOLE STRAPS WITH 1/4" SELF TAPPING MASONRY BOLTS, OR HILTI SYSTEM CONNECTORS TO ATTACH 4/0 COPPER CONDUCTOR TO BOTTOM SIDE OF CONCRETE PLATFORM, AT 2' SPACING.
5. CONNECT #4 CONDUCTOR TO 4/0 CONDUCTOR WITH SUITABLE PARALLEL CLAMP OR SPLIT BOLT.
6. RUN 4/0 CONDUCTOR INSIDE OF STRUCTURE COLUMN SECURING TO ANGLE EVERY TEN FEET WITH PARALLEL GROOVE CLAMPS AND CONNECT TO AERIAL GROUND WITH PARALLEL CLAMPS OR SPLIT BOLTS.
7. IN THE CASE OF ISLAND PLATFORMS RUN 4/0 CONDUCTOR DOWN CENTER OF PLATFORM AND ACCESS LIGHT POST THROUGH HAND HOLE ON UNDER SIDE OF PLATFORM.



SECTION AA



SECTION BB

**FOR INFORMATION ONLY**

				<b>Metro-North Railroad</b> Power Department	
				STATION BONDING AND GROUNDING NEW HAVEN LINE TYPICAL	

DATE	05/12/04
SCALE	NONE
SHEET	1 OF 1
DRAWING	NH-G-0001

POWER/STD/GROUNDING

**FOR INFORMATION ONLY**

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		NOT TO SCALE		<b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION		SIGNATURE/ BLOCK:		PROJECT TITLE: <b>NETWORK INFRASTRUCTURE UPGRADE FOR SECURITY NEW HAVEN LINE PHASE 2</b>		TOWN: <b>WESTPORT TO STRATFORD</b>		PROJECT NO.: <b>300-0178</b>	
REV. DATE REVISION DESCRIPTION								<b>FOR INFORMATION ONLY</b>		DRAWING TITLE: <b>FOR INFORMATION ONLY</b>		SHEET NO.: <b>07.02</b>	