

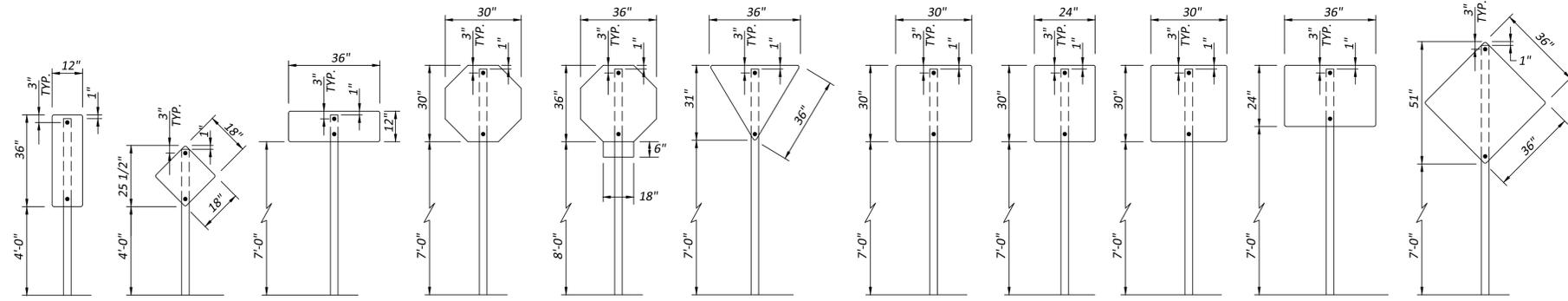
PERMANENT SIGNING GENERAL NOTES

1. ALL SIGN SHEETING SHALL BE HIGH INTENSITY, PRISMATIC, PRESSURE SENSITIVE - SERIES 3900 SHEETING SHALL BE USED UNLESS OTHERWISE NOTED IN THE PLANS & SPECIFICATIONS.
2. ALL SIGN BLANK MATERIAL SHALL BE MADE OF 0.08" ALUMINUM EXTRUDED BLANKS EXCEPT ALL OVERHEAD STREET NAME SIGNS SHALL BE MADE OF 0.125" ALUMINUM.
3. ALL PERMANENT SIGNING SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AS INDICATED IN THE PLANS AND DETAIL SHEETS, AND ACCORDING TO THE MUTCD.
4. ALL LETTER, NUMBER AND SYMBOL SIZES, SPACING AND SIGN COLORS SHALL CONFORM TO THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
5. ALL SCHOOL SIGNING SHALL HAVE A FLUORESCENT YELLOW-GREEN BACKGROUND WITH A BLACK LEGEND AND BORDER.
6. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING ANY AND ALL UTILITIES WHEN SETTING SIGN POSTS AND WILL BE REQUIRED TO COORDINATE HIS ACTIVITIES WITH ALL UTILITY COMPANIES, INCLUDING THE CITY OF MANHATTAN, 785-587-4530, FOR STREET LIGHT, TRAFFIC SIGNAL AND FIBER OPTIC FACILITIES WHETHER THEIR FACILITY IS INDICATED ON THE PLANS OR NOT.
7. ALL NEW SIGNS SHALL BE LOCATED WITHIN PUBLIC RIGHT-OF-WAY.
8. EXISTING STREET NAME SIGNS IN THE WAY OF CONSTRUCTION: THE STREET NAME SIGNS SHALL BE RELOCATED OUT OF THE WAY OF CONSTRUCTION BUT IN A CONSPICUOUS LOCATION FOR THE DRIVING PUBLIC AND EMERGENCY PROVIDERS. THE STREET NAME SIGNS SHALL BE REINSTALLED IN THEIR PROPER LOCATION AS SOON AS POSSIBLE UNLESS OTHERWISE INDICATED. THE REMOVAL AND RE-INSTALLATION OF EXISTING SIGNS WILL BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS.
9. SIGNS SHOWN TO BE INSTALLED ON THE SIDE OF POLES SHALL BE MOUNTED BY STAINLESS STEEL MOUNTING BANDS AS DETAILED IN THE PLANS. ALL R10 SERIES SIGNS INSTALLED ON A TRAFFIC SIGNAL MAST ARM SHALL BE MOUNTED WITH ASTRO BRACKETS AS SPECIFIED.
10. ALL POST MOUNTED SIGNS SHALL BE MOUNTED ON 4"x4" CCA WOODEN SIGN POSTS ACCORDING TO THE STANDARD DETAILS.
11. ALL SIGNS AND POSTS SHOWN IN THE PLANS SHALL BE NEW UNLESS OTHERWISE INDICATED IN THE PLANS OR BY THE CITY INSPECTOR.
12. ALL EXISTING REGULATORY SIGNS AND STREET NAME SIGNS WILL BE USED IN PLACE DURING CONSTRUCTION AND PROTECTED FROM DAMAGE UNLESS OTHERWISE INDICATED IN THE PLANS. IF THE CONTRACTOR DAMAGES ANY EXISTING SIGN OR POSTS DURING CONSTRUCTION, HE SHALL BE REQUIRED TO REINSTALL NEW SIGNS AND POSTS OF THE SAME TYPE TO REPLACE THE DAMAGED EQUIPMENT.
13. ANY EXISTING PERMANENT SIGNS REMOVED BY THE CONTRACTOR FOR CONSTRUCTION PURPOSES OTHER THAN STOP SIGNS, YIELD SIGNS OR STREET NAME SIGNS SHALL BE STOCKPILED IN ONE LOCATION AND THE CITY SUPERINTENDANT SHALL BE CONTACTED TO ARRANGE FOR PICK-UP. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE STOCKPILED SIGNS UNTIL THEY ARE PICKED UP BY CITY TRAFFIC OPERATIONS STAFF.
14. ALL STOP, YIELD AND STREET NAME SIGNS SHALL BE MAINTAINED IN A CONSPICUOUS LOCATION FOR THE DRIVING PUBLIC. ALL STOP AND YIELD SIGNS REMOVED FOR CONSTRUCTION PURPOSES CAN BE TEMPORARILY ERECTED IN REFLECTORIZED DRUMS (NO LESS THAN 7 FEET VERTICAL FROM GRADE) UNTIL THEY CAN BE RE-INSTALLED. ANY TEMPORARY STOP OR YIELD SIGN INSTALLATION TO BE LEFT IN PLACE OVERNIGHT WILL REQUIRE PRIOR APPROVAL FROM THE CITY INSPECTOR.
15. ALL EXISTING SIGNS, OTHER THAN STOP, YIELD OR STREET NAME SIGNS, SHOWN TO BE USED IN PLACE SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. THE CONTRACTOR MAY TEMPORARILY REMOVE THE SIGN AND POST TO PREVENT DAMAGE AT THE APPROVAL OF THE INSPECTOR. STORAGE OF THE SIGNS & POSTS IS THE RESPONSIBILITY OF THE CONTRACTOR.

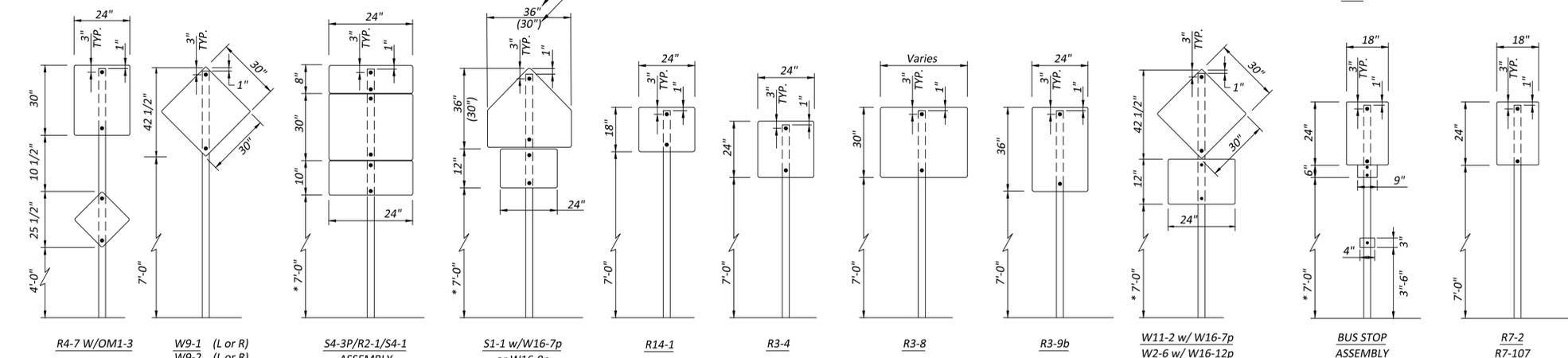
INSTRUCTIONS FOR DISASSEMBLY AND RETURN OF TRAFFIC SIGN EQUIPMENT

THE FOLLOWING IS A LIST OF TRAFFIC SIGN EQUIPMENT WHICH SHALL BE SALVAGED AND RETURNED TO THE CITY OF MANHATTAN, UNLESS OTHERWISE INSTRUCTED BY THE INSPECTOR. THE CITY MAINTAINS FIRST RIGHT OF REFUSAL OF ANY OF THE EQUIPMENT LISTED. THE PROJECT INSPECTOR WILL MAKE AN ON-SITE ASSESSMENT TO DETERMINE IF THE EQUIPMENT SHOULD BE SALVAGED OR DISPOSED. ANY EQUIPMENT THAT WILL NOT BE SALVAGED SHALL BECOME PROPERTY OF THE CONTRACTOR.

1. ALL TRAFFIC SIGNS SHALL BE REMOVED FROM SIGN POSTS, SIGNAL POLES OR STREET LIGHT POLES AND BE RETURNED.
2. ALL ASTRO BRACKETS SHALL BE REMOVED FROM THE TUBULAR SUPPORT AND RETURNED. DO NOT CUT THE ASTRO BRACKET CABLE.
3. ALL TRAFFIC SIGN POSTS SHALL BE REMOVED AND RETURNED UNLESS IT IS BENT. IF THE SIGN POST OR POLE WAS MOUNTED IN CONCRETE, THE POST OR POLE SHALL BE DISCARDED UPON REMOVAL. ANY HARDWARE (I.E. BOLTS, BANDIT MATERIAL, ETC.) INVOLVED IN MOUNTING THE SIGN MUST BE DISCARDED.
4. ALL FLASHING BEACON ASSEMBLIES SHALL BE RETURNED, INCLUDING SOLAR PANELS, POLES, CABINET AND INTERNAL COMPONENTS. SOLAR PANELS AND SIGNS SHALL BE REMOVED PRIOR TO RETURNING. SCREW-IN FOUNDATIONS SHALL BE CLEANED OF DIRT AND DEBRIS AND RETURNED WITH BOLT AND ANCHOR STUDS.
5. ALL TRAFFIC SIGN EQUIPMENT TO BE RETURNED SHALL BE RETURNED IN THE SAME CONDITION AS IT WAS PRIOR TO REMOVAL. DISASSEMBLY OF EQUIPMENT SHALL BE DONE PRIOR TO CONTACTING THE CITY SUPERINTENDANT TO ARRANGE FOR PICK-UP. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE EQUIPMENT UNTIL IT IS PICKED UP BY CITY TRAFFIC OPERATIONS STAFF.



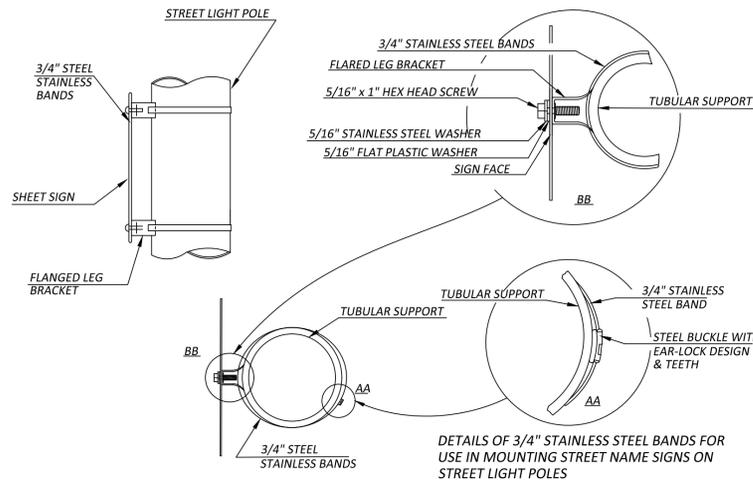
OM-3(L,R, or C) OM1-3 OM4-3 R6-1 (L or R) R1-1 R1-1 w/R1-4 WHERE APPLICABLE R1-2 R3-7 (L or R) R2-1 S5-2 R10-11 R5-1 R5-1a W6-1 W6-2 W6-3 W3-2 W3-3 W3-4 W3-5 S4-5 (L or R)



R4-7 W/OM1-3 W9-1 (L or R) W9-2 (L or R) W1-1 (L or R) W1-2 (L or R) W14-2 W2-6 W17-1 S4-3P/R2-1/S4-1 ASSEMBLY S1-1 w/W16-7p or W16-9p R14-1 R3-4 R8-3 R3-8 R3-9b W11-2 w/ W16-7p W2-6 w/ W16-12p BUS STOP ASSEMBLY R7-2 R7-107

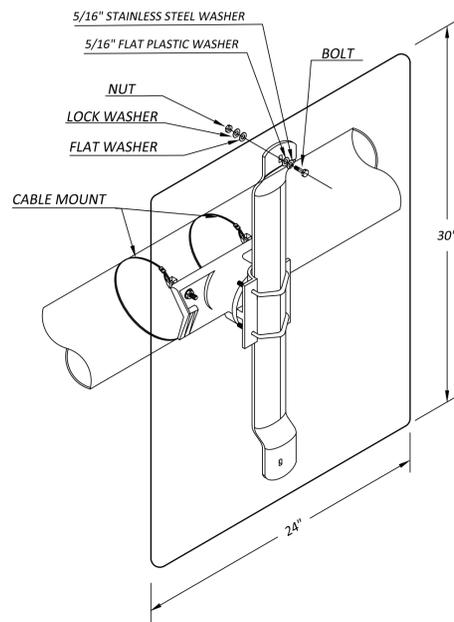
SIGN MOUNTING DETAILS (NOT TO SCALE)

* NOTE: THE HEIGHT TO THE BOTTOM OF A SECONDARY SIGN MUST BE MOUNTED A MINIMUM HEIGHT OF 7 FEET ABOVE THE ROADWAY SURFACE.

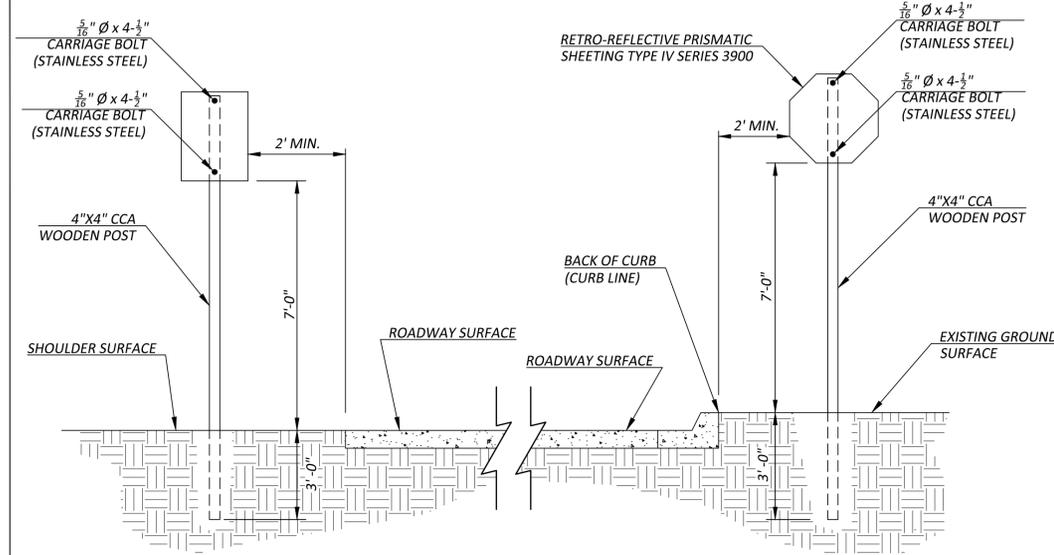


STREET LIGHT POLE SIGN MOUNTING DETAIL (NOT TO SCALE)

- NOTES:**
1. SIGNS ON TUBULAR SUPPORTS SHALL BE ATTACHED WITH TWO (2) BRACKETS AND STAINLESS STEEL BANDS.
 2. HOLES IN SIGN FOR ATTACHMENT TO THE MOUNTING BRACKETS SHALL BE OFFSET A MINIMUM OF 2" FROM THE EDGE OF SIGN.
 3. HOLES IN SIGN SHALL BE LOCATED SUCH THAT THE SIGN IS LEVEL.
 4. SIGNS INSTALLED ON MAST ARMS SHALL BE MOUNTED WITH ASTRO BRACKETS AS SPECIFIED.



SIGN MOUNTING BRACKET DETAIL (R10 SERIES) (NOT TO SCALE)



TRAFFIC SIGN INSTALLATION (NOT TO SCALE)

INSTALLATION NOTES:

1. SIGNS WILL BE INSTALLED TO MEET MINIMUM STANDARDS ESTABLISHED BY FHWA AS SET FORTH IN THE MOST CURRENT VERSION OF THE MUTCD.
2. THE EDGE OF THE SIGN WILL NOT BE LESS THAN 2 FEET FROM THE BACK OF CURB.
3. THE BOTTOM OF THE LOWEST INSTALLED SIGN WILL NOT BE LOWER THAN 7 FEET FROM FINISH GRADE ELEVATION.
4. A 4"x4" CCA WOODEN POST WILL BE USED FOR NEW INSTALLATIONS UNLESS OTHERWISE NOTED ON PLANS OR SPECIAL CONDITIONS OF THE CONTRACT DOCUMENT.
5. POSTS WILL HAVE A MINIMUM BURIED DEPTH OF 3 FEET INTO EARTH.
6. WARPED OR DAMAGED WOOD POST WILL BE REJECTED AND REPLACED.
7. POSTS SHALL BE INSTALLED PLUMB AND STRAIGHT, SIGNS SHOULD BE ADJUSTED TO BE PERPENDICULAR TO THE CURB LINE.

NO.	DATE	DESCRIPTION	BY
<p>City of Manhattan Kansas PUBLIC WORKS 1101 POYNTZ AVE., MANHATTAN, KS 66502 (785) 587-2415</p>			
<p>MANHATTAN STANDARD DETAILS MSD 5320 PERMANENT TRAF. CONTROL DETAILS</p>			
CITY ENGINEER: BRIAN JOHNSON, P.E.		DESIGN BY:	
CITY PROJ. #:		DATE:	
DRAWN BY:		PAGE OF	