

**GENERAL NOTES**

1. THE EXISTING SIGNS LOCATED ON PUBLIC CONSTRUCTION SITE ARE THE PROPERTY OF THE CITY OF HOUSTON. THROUGHOUT THE PERIOD OF THE CONTRACT, THE CONTRACTOR SHALL PROTECT THESE SIGNS SUCH THAT THEY ARE NOT DAMAGED IN THE COURSE OF CONSTRUCTION ACTIVITY. SUCH PROTECTION SHALL INCLUDE THE PERIOD AFTER SIGNS ARE REMOVED FROM INSTALLATION AND STORED BY THE CONTRACTOR OR DELIVERED TO THE TRAFFIC OPERATIONS CENTER (2200 PATTERSON). THE GENERAL TRAFFIC SUPERINTENDENT (713-803-3054) MUST BE NOTIFIED 48 HOURS IN ADVANCE PRIOR TO DELIVERY.
2. AFTER SIGNS ARE REMOVED FROM INSTALLATION AND ARE BEING STORED BY THE CONTRACTOR, THE CONTRACTOR SHALL CONTACT THE TRAFFIC OPERATIONS DIVISION OF THE PUBLIC WORKS AND ENGINEERING DEPARTMENT (713-803-3054) AND ARRANGE FOR A CONVENIENT TIME TO DELIVER ONLY CITY SIGNS AND POLES IDENTIFIED BY TRAFFIC OPERATIONS DIVISION TO BE DELIVERED TO 2200 PATTERSON.
3. PRIOR TO THE START OF CONSTRUCTION, ALL EXISTING SIGNS WITHIN THE AREA OF CONSTRUCTION WILL BE INVENTORIED AND DOCUMENTED JOINTLY BY THE CITY INSPECTOR AND THE CONTRACTOR. THIS DOCUMENT WILL BE JOINTLY SIGNED BY BOTH PARTIES REFLECTING THE SIGN TYPE, SIGN SIZE, SIGN CONDITION, SIGN LOCATION, REFLECTIVITY ADEQUACY, ETC. THE CONTRACTOR IS HELD ACCOUNTABLE FOR THESE SIGNS THROUGHOUT THE PROJECT AND AT THE PROJECTS COMPLETION.
4. ALL GROUND MOUNTED STOP SIGNS, WARNING SIGNS, AND OTHER REGULATORY SIGNS SHALL USE AT A MINIMUM HIGH INTENSITY PRISMATIC REFLECTIVE SHEETING.
5. ALL OVERHEAD SIGNS SHALL USE DIAMOND GRADE REFLECTIVE SHEETING.
6. ALL OTHER SIGNS SHALL USE SUPER ENGINEER GRADE SHEETING.
7. ALL BLANKS TO BE INSTALLED SHALL BE OF THE 3000, 5000 OR 6000 SERIES ALUMINUM WITH A YEILD STRENGTH OF 3003-H14 ALLOY.
8. "T" DENOTES THICKNESS OF SIGN BLANKS.
9. ALL HOLES SHALL BE  $\frac{3}{8}$ " DIAMETER DRILLED OR PUNCHED AS SHOWN ON EACH BLANK DETAIL AND SHALL BE FREE OF BURRS AND / OR ROUGH EDGES.
10. SIGN BLANK CORNERS TO BE ROUNDED AS SHOWN ON EACH DETAIL ON SHEET 01509-03.
11. ALL SIGN BLANK ARE TO BE ETCHED, DEGREASED, AND HAVE AN ALODINE FINISH PRIOR TO APPLICATION OF LEGENDS.
12. ALL DETAILS ARE NOT TO SCALE.
13. ALL DIMENSIONS ARE IN INCHES.
14. ALL SIGNS SHALL BE MANUFACTURED AND INSTALLED IN CONFORMANCE TO THE LATEST TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) AND STANDARD HIGHWAY SIGNS LATEST EDITION.
15. REINSTALLATION OF PREVIOUSLY EXISTING SIGNS, WHERE REQUIRED PER PLANS, SHALL BE AT THE CONTRACTOR'S EXPENSE.

**TYPICAL GROUND SIGN INSTALLATION  
PERFORATED SQUARE METAL TUBING**

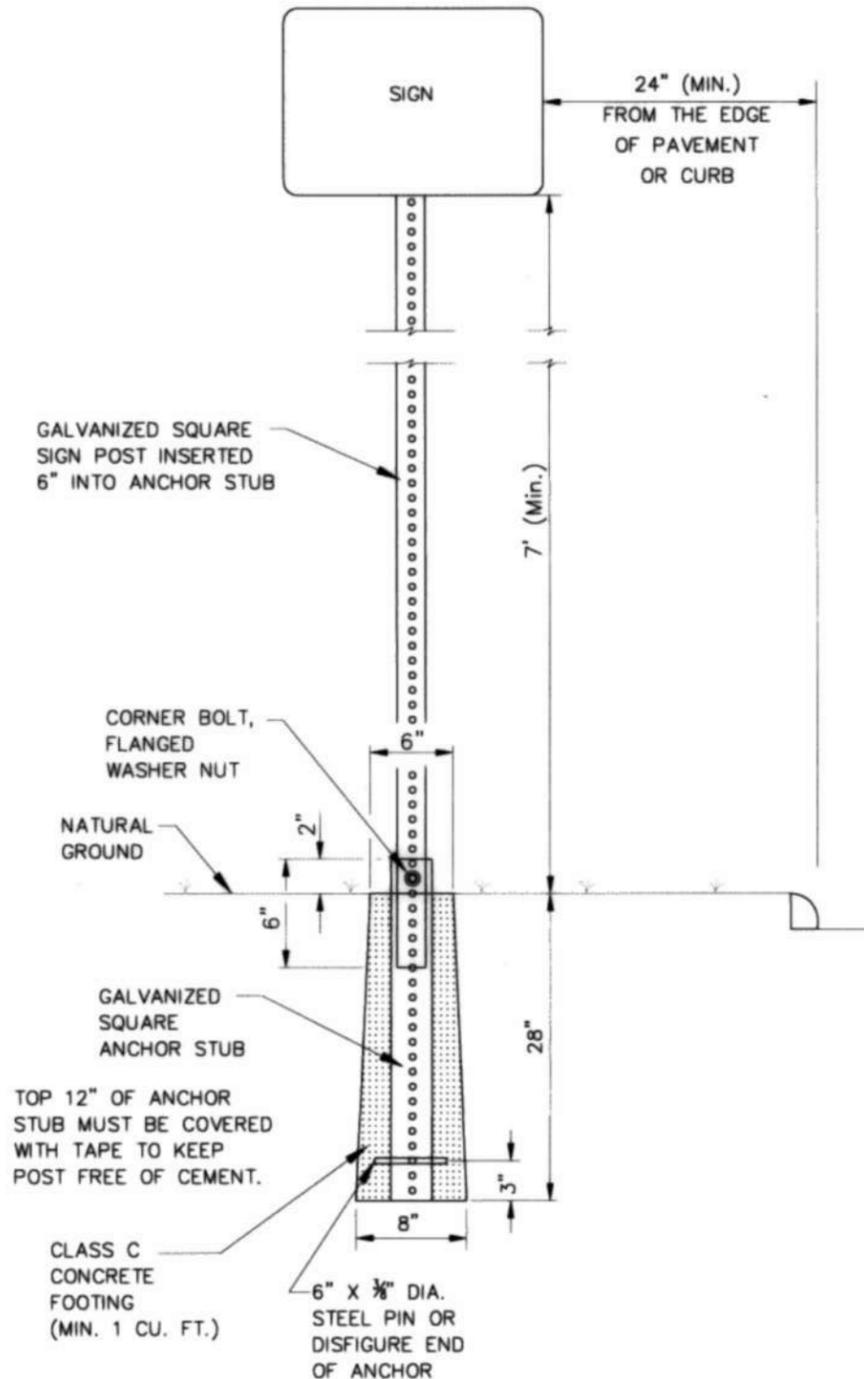


TABLE A	
GALVANIZED SQUARE SIGN POST (PERFORATED)	1-3/4" x 1-3/4" (14 GAUGE)
GALVANIZED SQUARE ANCHOR STUB (PERFORATED)	2-1/2" X 2-1/2" (14 GAUGE)

CITY OF HOUSTON  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

GENERAL NOTES AND  
GROUND SIGN MOUNTING  
(NOT TO SCALE)

APPROVED BY: *[Signature]*  
CITY ENGINEER

*[Signature]*  
DIRECTOR OF PUBLIC WORKS AND ENGINEERING

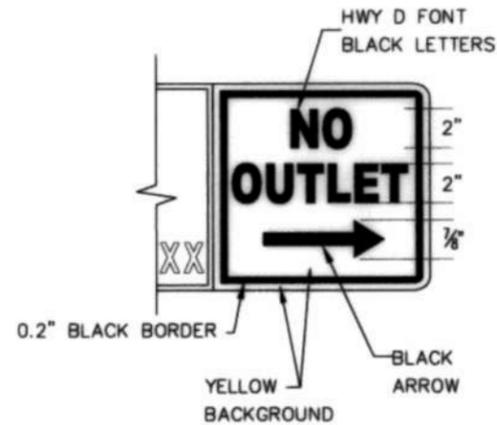
EFF DATE: JUL-01-2012 DWG NO: 01509-01



9" D3 - STREET NAME SIGN



D3 W/ NO OUTLET SIGNAGE

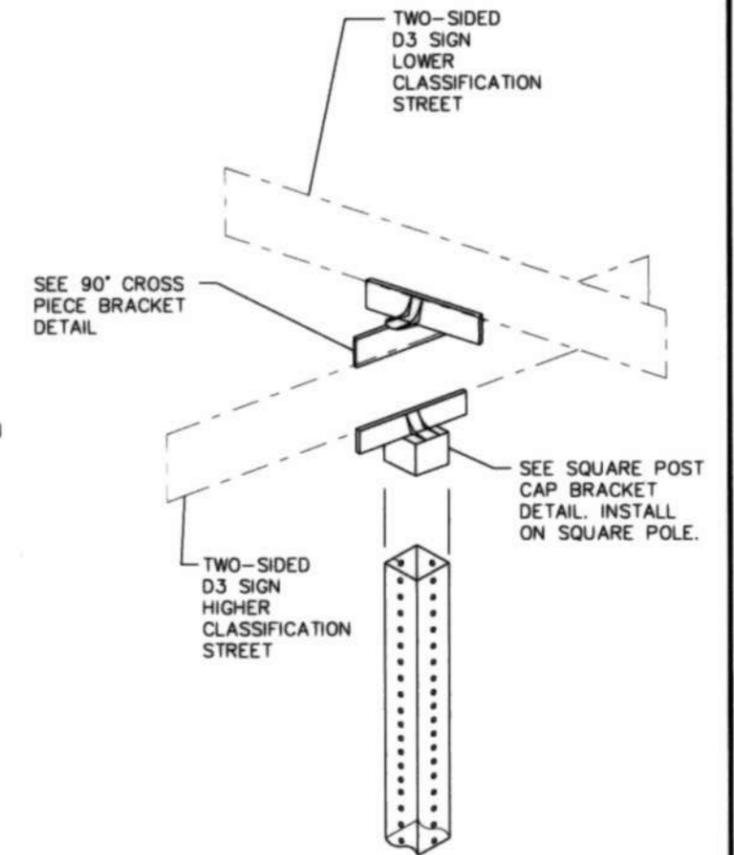
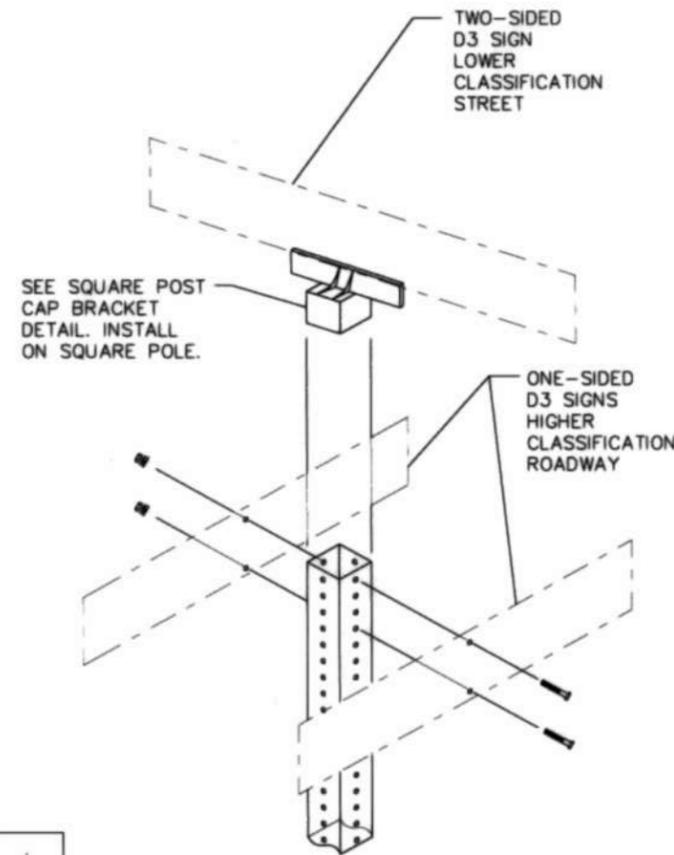
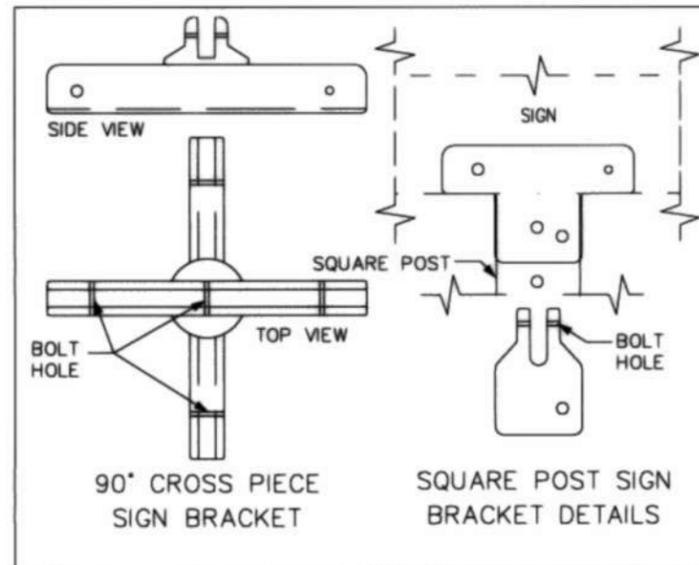


D3 - STREET NAME SIGN

HEIGHT	SEE SIGN SIZES
LENGTH	30" MIN. * 48" MAX.** 1' INCREMENTS OF LENGTH
THICKNESS	0.125"
SUBSTRATE	ALUMINUM ALLOY, 5052-H38 (ASTM B-209)
SIGN FACE MATERIALS	GREEN FILM OVER HIGH INTENSITY GRADE VIP SHEETING
LEGENDS AND SYMBOLS	SERIES D (USUAL) SERIES C OR B FOR MAXIMUM LENGTH SIGN BLANK
COLOR	LETTERS - WHITE REFLECTIVE BORDER - WHITE REFLECTIVE BACKGROUND - GREEN REFLECTIVE

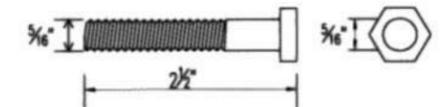
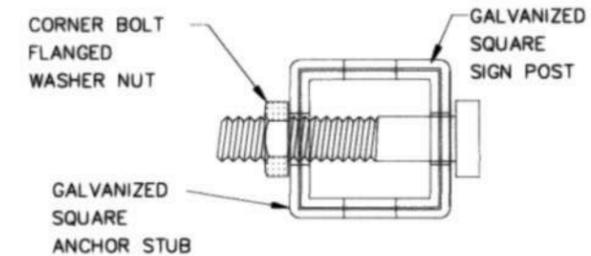
\* TYPICAL SIGN PLATE SHOULD BE 42"

\*\* SIGN PLATE LONGER THAN 48" MUST BE APPROVED BY THE CITY TRAFFIC ENGINEER



D3 SIGNS GREATER THAN 42" PLATES IN LENGTH

D3 SIGNS LESS THAN OR EQUAL TO 42" PLATES IN LENGTH



CITY OF HOUSTON  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

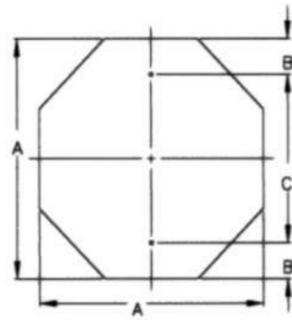
STREET NAME SIGN  
AND SIGN MOUNTING

(NOT TO SCALE)

APPROVED BY: *[Signature]* CITY ENGINEER

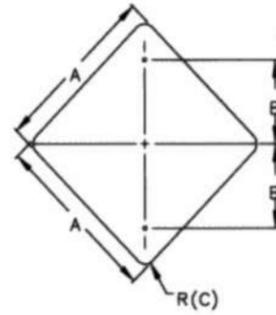
APPROVED BY: *[Signature]* ENGINEER OF PUBLIC WORKS AND ENGINEERING

EFF DATE: JUL-01-2012 DWG NO.: 01-09-02



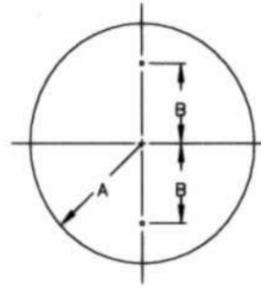
OCTAGONAL

A	B	C	T
36	3	30	0.080



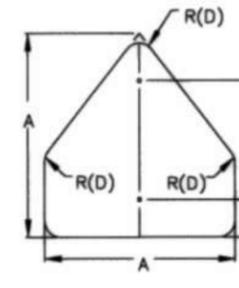
DIAMOND

A	B	C	T
24	12	1 1/2	0.080
30	15	1 1/2	0.080
36	18	2 1/4	0.080



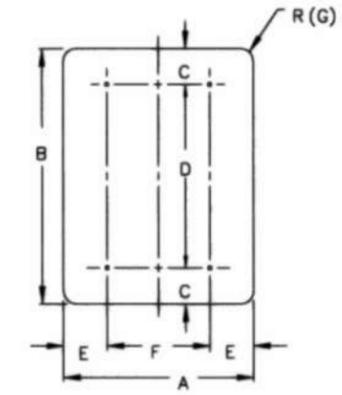
CIRCLE

A	B	T
15	15	0.080
18	12	0.080



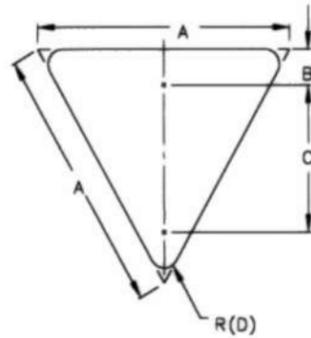
PENTAGON (SCHOOL)

A	B	C	D	T
36	24	3	2 1/4	0.080



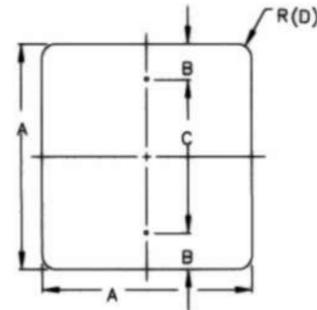
VERTICAL RECTANGLE

A	B	C	D	E	F	G	T
36	48	6	36	6	24	2 1/4	0.080
48	60	6	48	9	30	3	0.080



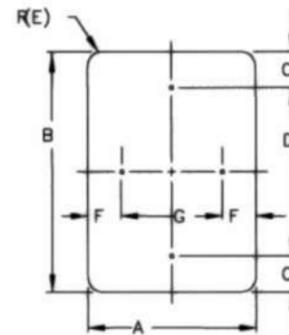
EQUILATERAL TRIANGLE

A	B	C	D	T
36	3	21	2	0.080



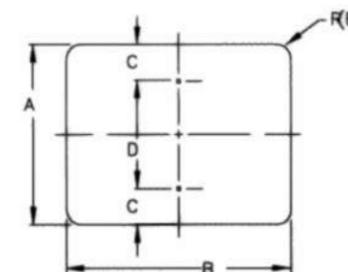
SQUARE (A)

A	B	C	D	T
18	3	12	1 1/2	0.080
24	3	18	1 1/2	0.080
30	3	24	1 1/2	0.080



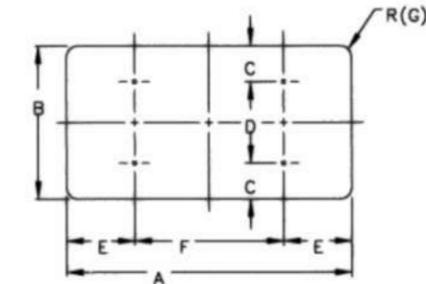
VERTICAL / HORIZONTAL RECTANGLE

A	B	C	D	E	F	G	T
12	18	1 1/2	15	1 1/2	1 1/2	9	0.080
12	36	3	30	1 1/2	1 1/2	9	0.080
18	24	3	18	1 1/2	1 1/2	15	0.080
24	30	3	24	1 1/2	3	18	0.080
24	36	3	30	1 1/2	3	18	0.080
24	48	6	36	1 1/2	3	18	0.080
30	36	3	30	1 1/2	3	24	0.080



HORIZONTAL RECTANGLE

A	B	C	D	E	T
24	12	1 1/2	9	1 1/2	0.080
24	18	3	12	1 1/2	0.080
30	24	3	18	1 1/2	0.080
36	12	1 1/2	9	1 1/2	0.080



HORIZONTAL RECTANGLE

A	B	C	D	E	F	G	T
36	24	3	18	6	24	1 1/2	0.080
48	24	3	18	9	30	1 1/2	0.080
48	36	6	24	9	30	2 1/4	0.080
60	24	3	18	12	36	1 1/2	0.080
60	36	6	24	12	36	2 1/4	0.080

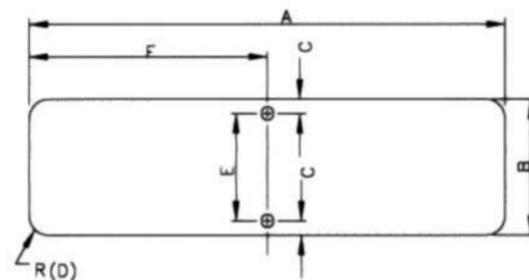


TABLE - D3 SIGNS

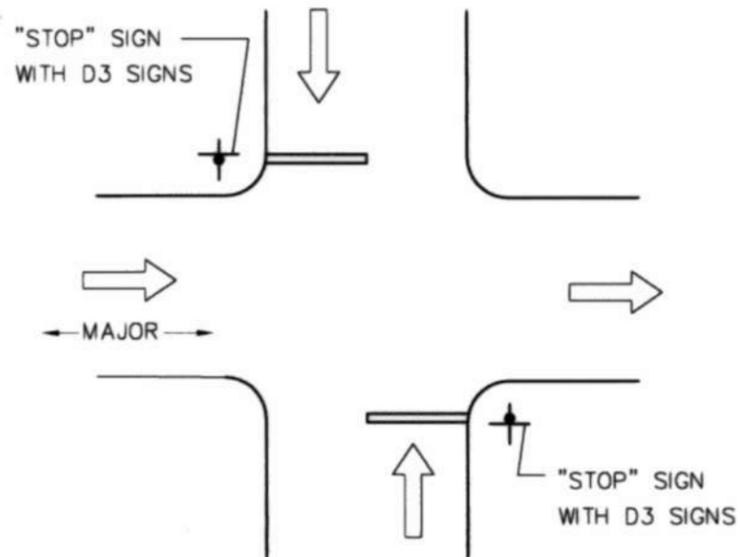
A	B	C	D	E	F	G	T
30	9	1 1/2	1/4	8	15	15	0.125
36	9	1 1/2	1/4	8	18	18	0.125
42	9	1 1/2	1/4	8	21	18	0.125
48	9	1 1/2	1/4	8	24	18	0.125

NOTE:

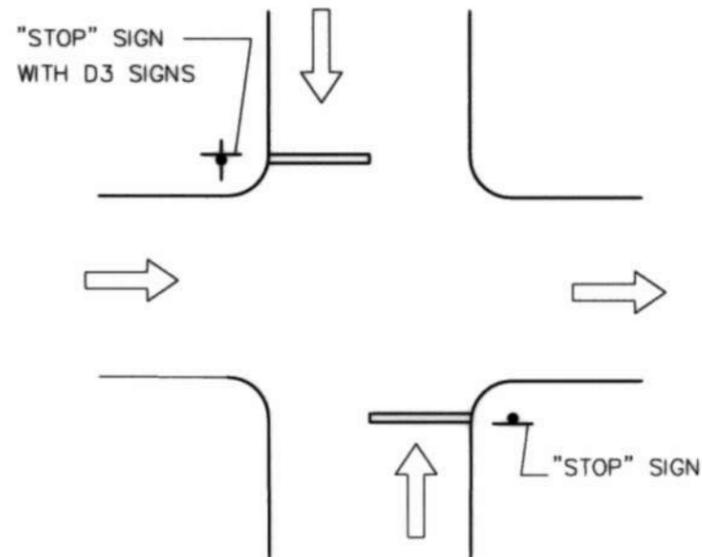
1. A 30" LONG OR GREATER PLATE SHALL BE USED WHEN A "NO OUTLET" SUPPLEMENT IS REQUIRED.
2. THE CITY OF HOUSTON "STOP" AND "YIELD" SIGNS SHALL BE A MINIMUM 36". SPECIAL PERMISSION FROM THE CITY TRAFFIC ENGINEER IS REQUIRED FOR LESS THAN 36" SIGNS.

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
GROUND MOUNTED SIGN SIZES	
(NOT TO SCALE)	
APPROVED BY: <i>[Signature]</i> CITY ENGINEER	APPROVED BY: <i>[Signature]</i> DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2012	DWG NO: 01509-03

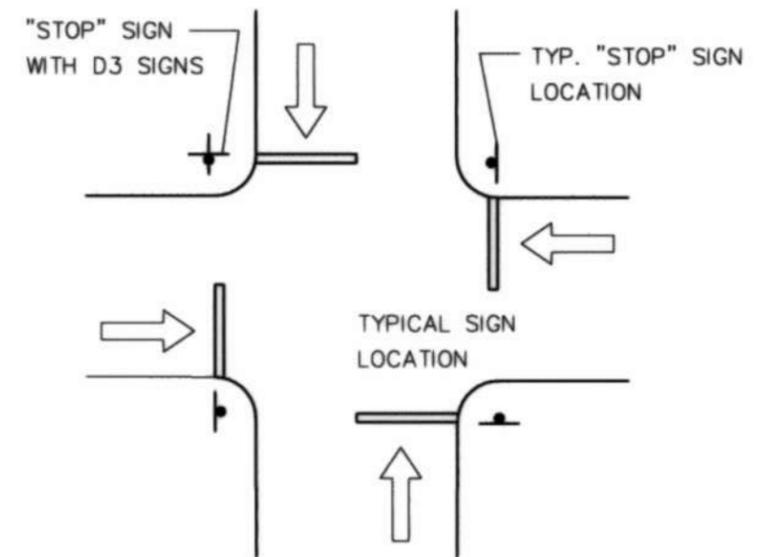
TYPICAL SIGN PLACEMENT



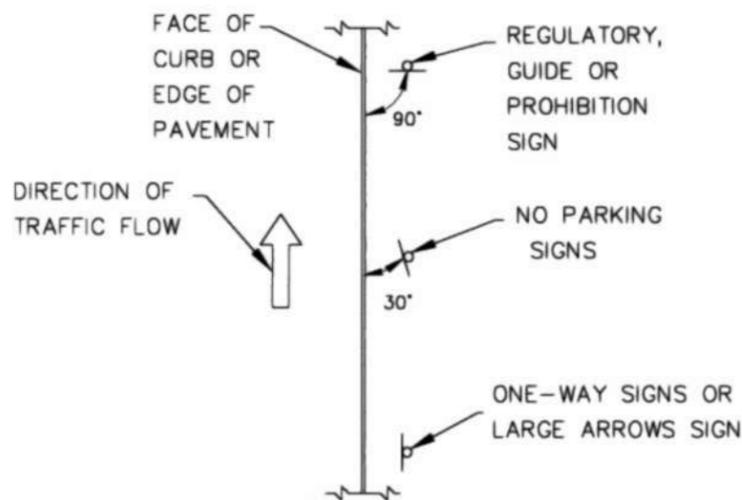
TWO-WAY STOP AND ONE-WAY OPERATION ON MAJOR/LOCAL INTERSECTION



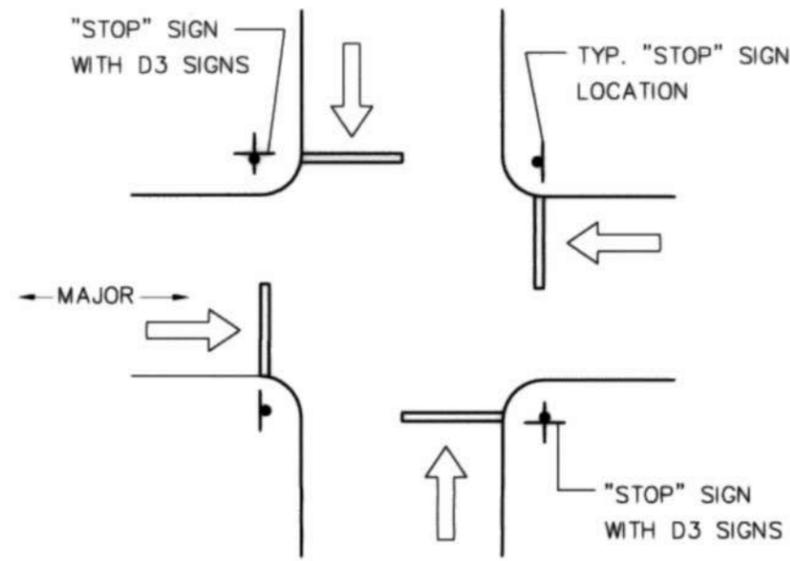
TWO-WAY STOP AND ONE-WAY OPERATION ON LOCAL/LOCAL INTERSECTION



FOUR-WAY STOP CONTROL ON LOCAL/LOCAL INTERSECTION



MAST ARM INSTALLATION  
REFER TO TRAFFIC SIGNAL DETAILS FOR ADDITIONAL INFORMATION.



FOUR-WAY STOP CONTROL ON MAJOR/LOCAL INTERSECTION

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
TYPICAL SIGN PLACEMENT (NOT TO SCALE)	
APPROVED BY: <i>[Signature]</i>	APPROVED BY: <i>[Signature]</i>
CITY ENGINEER	DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2012	DWG NO: 01509-04

REGULATORY SIGNS		
Stop	R1-1	36x36
Yield	R1-2	36x36x36
All Way Plaque	R1-3P	18x6
Yield Here to Pedestrians	R1-5a	36x48
Except Right Turn (Plaque)	R1-10P(1)	24x18
Except Buses (Plaque)	R1-10P(2)	24x18
Speed Limit	R2-1	30x36
Minimum Speed Limit (Plaque)	R2-4P	24x30
No Right Turns	R3-1	36x36
No Left Turns	R3-2	36x36
No U-Turns	R3-4	36x36
Left/Right Turn Only	R3-5	30x36
Thru Only	R3-5a	30x36
Left Turn/Thru	R3-6	30x36
Left/Right Lane Must Turn Left/Right	R3-7	36x36
Advance Intersection Lane Control (Varies)	R3-8	Varies x 30
Two-Way Left Turn Only (Overhead)	R3-9a	30x36
Two-Way Left Turn Lane (Post Mounted)	R3-9b	24x36
BEGIN	R3-9cP	30x12
END	R3-9dP	30x12
Reversible Lane Control (Symbol)	R3-9e	108x48
Reversible Lane Control (Post Mounted)	R3-9f	36x54
Advance Reversible Lane Control Transition	R3-9g,9h	108x36
End Reversible Lane	R3-9i	108x48
Bike Lane	R3-17	24x18
Slower Traffic Keep Right	R4-3	24x30
Begin right Turn Lane Yield to Bikes	R4-4	36x30
Keep Right	R4-7	24x30
Keep Left	R4-8	24x30
Do Not Drive on Shoulder	R4-17	24x30
Do Not Pass on Shoulder	R4-18	24x30
Do Not Enter	R5-1	36x36
Wrong Way	R5-1a	42x30
No Trucks (Symbol)	R5-2(1)	24x24
No Thru Trucks (Text)	R5-2(2)	24x30
One Way (Long)	R6-1	54x18
One Way	R6-2	30x36
Roundabout Directional (2 Chevrons)	R6-4	30x24
Roundabout Circulation (Plaque)	R6-5P	30x30
Begin One Way	R6-6	30x36
End One Way	R6-7	30x36
Parking Restriction (Arrow)	R7-2 (1)	12x18
Parking Restriction (To Corner)	R7-2 (2)	12x18
Parking Restriction (Bus Zone)	R7-2 (3)	12x18

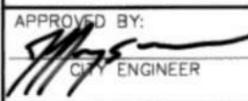
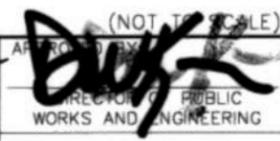
REGULATORY SIGNS		
Parking Restriction (Valet Zone)	R7-2 (4)	12x18
Parking Restriction (Peak Period)	R7-2 (5)	12x18
Parking Restriction (Emergency Veh. Only)	R7-2 (6)	12x18
Parking Restriction (Taxi Zone)	R7-2 (7)	12x18
Parking Restriction (No Stopping or Standing)	R7-2 (8)	12x18
Parking Restriction (Jitney Stop)	R7-2 (9)	12x18
Parking Restriction (Ped-Cab Zone)	R7-2 (10)	12x18
Parking Restriction (Limo Zone)	R7-2 (11)	12x18
Parking Restriction (Commercial Veh. Zone)	R7-2 (12)	12x18
Parking Restriction (Fed./City Authorized Veh. Only)	R7-2 (13)	12x18
Parking Restriction (U.S. Marshal Parking Only)	R7-2 (14)	12x18
Parking Restriction (Emergency)	R7-2 (15)	12x18
Parking Time Limit (Varies)	R7-108	12x18
Handicapped Parking	R7-8T	12x18
Tow Away Zone (Plaque)	R7-201P	12x6
Parking Meter (COH)	R7-110	12x18
On Tracks (Plaque)	R8-3eP	24x18
Cross Only At Crosswalks (Symbol)	R9-2	12x18
No Pedestrian Crossing (Symbol)	R9-3	18x18
No Pedestrian Crossing	R9-3a	12x18
Pedestrian Crossing	R9-8	36x18
Sidewalk Closed	R9-9	24x12
Sidewalk Closed-Use Other Side	R9-10	24x12
Sidewalk Closed Cross Here	R9-11a	24x12
Push Button For Pedestrian Crossing	R10-3e	9x15
Left on Green Arrow Only	R10-5	30x36
Stop Here on Red	R10-6	24x36
Do Not Block Intersection	R10-7	24x30
Left/Right Turn Signal	R10-10	30x36
No Turn on Road (Text)	R10-11a	36x48
Left Turn Yield on Green	R10-12	30x36
Crosswalk, Stop on Red	R10-23	24x30
Keep Off Median	R11-1	24x30
Road Closed	R11-2	48x30
Road Closed Local Traffic Only	R11-3a	60x30
Bridge Out Local Traffic Only	R11-3b	60x30
Road Closed to Thru Traffic	R11-4	60x30
Weight Limit xx Tons	R12-1	24x30
Axle Weight Limit xx Tons/Lbs	R12-2	24x30
No Trucks Over xx Tons/Lbs Empty Weight	R12-3	24x36
Weight Limit xx Tons per Axle xxTons Gross	R12-4	36x24
Load Zoned Bridge	R12aT	Varies x 36
Truck Route	R14-1	24x18
Grade Crossing (Crossbuck)	R15-1	48x9
Number of Tracks (Plaque)	R15-2P	27x18

CONSTRUCTION WORK SIGNS		
Right Angle Turn	CW1-1	36x36
Horizontal Curve	CW1-2	36x36
Reverse Right Angle Turns	CW1-3	36x36
Reverse Horizontal Curves	CW1-4	36x36
Reverse Curve (2 Lanes)	CW1-4b	36x36
Reverse Curve (More Than 2 Lanes)	CW1-4c	36x36
One-Direction Large Arrow	CW1-6	48x24
Upward Sloping Arrow	CW1-6aT	36x36
Chevron	CW1-8	18x24
Stop Ahead	CW3-1	36x36
Signal Ahead	CW3-3	36x36
Be Prepared to Stop	CW3-4	36x36
Road Narrows	CW5-1	36x36
Narrow Bridge	CW5-2	36x36
Two-Way Traffic Flow	CW6-3	36x36
Two-Way Traffic	CW6-4	12x18
Bump	CW8-1	36x36
Dip	CW8-2	36x36
Soft Shoulder	CW8-4	36x36
Truck Crossing	CW8-6	36x36
Rough Road	CW8-8	36x36
Uneven Lanes	CW8-11	36x36
Left Lane Ends	CW9-1(1)	36x36
Right Lane Ends	CW9-1(2)	36x36
Double Arrow	CW12-1	30x30
Advisory Speed (plaque)	CW13-1P	24x24
XX Feet (plaque)	CW16-2P	24x18
Ahead (Plaque)	CW16-3	24x12
Road Work Ahead	CW20-1	36x36
Detour Ahead	CW20-2	36x36
Road Closed Ahead	CW20-3	36x36
One Lane Road	CW20-4	36x36
Left Lane Closed	CW20-5(1)	36x36
Right Lane Closed	CW20-5(2)	36x36
Flagger (Symbol)	CW20-7	36x36
Narrow Lanes Ahead	CW20-8T	36x36
Shoulder Work Ahead	CW21-5	36x36
Utility Work Ahead	CW21-7	36x36
Double Reverse Curve (1 Lane)	CW24-1	36x36
Double Reverse Curve (2 Lanes)	CW24-1a	36x36
Double Reverse Curve (3 Lanes)	CW24-1b	36x36
End Road Work	G20-2	36x18
Detour With Arrows	M4-9	30x24
End Detour	M4-8a	24x18
Pedestrian Detour	M4-9b	30x24
Detour	M4-10	48x18

CITY OF HOUSTON  
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

GENERAL NOTES AND  
GROUND SIGN MOUNTING

(NOT TO SCALE)

APPROVED BY:  CITY ENGINEER	APPROVED BY:  DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2012	DWG NO: 01509-05

WARNING SIGNS		
Right Angle Turn Curve	W1-1	30x30
Right Angle Turn With Speed Limit	W1-1a	36x36
Horizontal Curve	W1-2	30x30
Horizontal Curve With Speed Limit	W1-2a	36x36
Reverse Right Angle Turn	W1-3	30x30
Reverse Horizontal Curve	W1-4	30x30
Winding Road	W1-5	30x30
One Direction Large Arrow	W1-6	48x24
Two Direction Large Arrow	W1-7	48x24
Chevron Alignment	W1-8	18x24
Hairpin Curve	W1-11	30x30
Truck Rollover	W1-13	36x36
Cross Road	W2-1	30x30
Side Street T-Intersection (Symbol)	W2-2	30x30
T-Intersection (Symbol)	W2-4	30x30
Y-Intersection (Symbol)	W2-5	30x30
Roundabout (Symbol)	W2-6	30x30
Stop Ahead	W3-1	30x30
Signal Ahead	W3-3	30x30
Reduced Speed Limit Ahead	W3-5	36x36
Merge	W4-1	36x36
Lane Ends	W4-2	36x36
Added Lane	W4-3	36x36
Cross Traffic Does Not Stop (Plaque)	W4-4P	24x12
Road Narrows	W5-1	36x36
Narrow Bridge	W5-2	36x36
Divided Highway	W6-1	36x36
Divided Highway Ends	W6-2	36x36
Two Way Traffic (Symbol)	W6-3	36x36
Bump	W8-1	30x30
Dip	W8-2	30x30
Pavement Ends	W8-3	36x36
Soft Shoulder	W8-4	36x36
Truck Crossing	W8-6	36x36
Loose Gravel	W8-7	36x36
Rough Road	W8-8	36x36
Uneven Lanes	W8-11	36x36
Watch for ICE on Bridge	W8-13T	36x36
Shoulder Drop-Off (Symbol)	W8-17	30x30
Shoulder Drop-Off (Plaque)	W8-17P	24x18

WARNING SIGNS		
Flood Gauge	W8-19	12x72
No Shoulder	W8-23	36x36
Shoulder Ends	W8-25	36x36
Left Lane Ends	W9-1(1)	36x36
Right Lane Ends	W9-1(2)	36x36
Lane Ends Merge Left	W9-2(1)	36x36
Lane Ends Merge Right	W9-2(2)	36x36
Grade Crossing Advance Warning	W10-1	30Dia.
No Train Horn	W10-9	36x36
No Train Horn (Plaque)	W10-9P	30x24
Bicycle	W11-1	30x30
Pedestrian	W11-2	36x36
Emergency Vehicle	W11-8	30x30
Handicapped	W11-9	30x30
Truck	W11-10	30x30
Emergency Signal Ahead (Plaque)	W11-12P	36x30
Bicycle/Pedestrian	W11-15	30x30
Trail Crossing (Plaque)	W11-15P	24x18
Double Arrow	W12-1	30x30
Low Clearance With Arrows	W12-2	36x36
Low Clearance	W12-2a	78x24
Loaded Zoned Bridge	W12-5T	36x36
Advisory Speed (Plaque)	W13-1P	18x18
No Outlet	W14-2	24x24
No Outlet With Arrow	W14-2a	36x6
Share the Road (Plaque)	W16-1P	18x24
xx Feet (Plaque)	W16-2P	24x18
Next xx Feet (Plaque)	W16-4P	30x24
Supplemental Left Arrow (Plaque)	W16-5P(1)	24x18
Supplemental Right Arrow (Plaque)	W16-5P(2)	24x18
Diagonal Arrow (Plaque)	W16-7P	24x12
Ahead (Plaque)	W16-9P	24x12
When Flashing (Plaque)	W16-13P	24x18
Roundabout (Plaque)	W16-17	24x12
Speed Hump	W17-1	30x30
Type 3 Object Marker (Left)	OM3-L	12x36
Type 3 Object Marker (Right)	OM3-R	12x36
Type 3 Object Marker (Center)	OM3-C	12x36
Type 4 Object Marker	OM4-1	18x18

BICYCLE SIGNS		
Bike Route	D11-1	24x18
Bike Route to Downtown	D11-1c	24x18
END	M4-6	12x6
BEGIN	M4-14	12x6
Bicycle Route (Left Arrow)	M6-1(1)	12x9
Bicycle Route (Right Arrow)	M6-1(2)	12x9
Bicycle Route (Thru Arrow)	M6-3	12x9
Bicycle Route (Left-Right Arrow)	M6-4	12x9
Bicycle Route (Thru-Right Arrow)	M6-6	12x9

SCHOOL SIGNS		
School	S1-1 (FYG)	36x36
x:xx to x:xx AM and PM (Plaque)	S4-1P	24x10
School (Plaque)	S4-3P (FYG)	24x8
When Flashing (Plaque)	S4-4P	24x10
Reduced School Speed Limit Ahead	S4-5a (FYG)	36x36
School Speed Limit xx When Flashing	S5-1 (FYG)	24x48
End School Zone	S5-2	24x30
End School Zone (Plaque)	S5-2aTP	24x10
Cell Phone Use Prohibited	S7-1T	24x18
Turn Arrow (Plaque)	SW16-5P (FYG)	24x12
Advance Turn Arrow (Plaque)	SW16-6P (FYG)	24x12
Diagonal Arrow (Plaque)	SW16-7P (FYG)	24x12
Ahead (Plaque)	S16-9P (FYG)	24x12
FYG - Fluorescent Yellow-Green Background Color		

CITY OF HOUSTON DEPARTMENT OF PUBLIC WORKS AND ENGINEERING	
GENERAL NOTES AND GROUND SIGN MOUNTING (NOT TO SCALE)	
APPROVED BY:  CITY ENGINEER	APPROVED BY:  DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2012	DWG NO: 01509-06

