FOREWORD

UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS' CONSTRUCTION,

OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA

VOLUME II

The following participating entities of the Clark County, Nevada area have adopted these standard drawings.

CITY OF LAS VEGAS
Adopted by City Council action .....November 4, 1987

CITY OF HENDERSON
Adopted by City Council action .....October 20, 1987

CITY OF NORTH LAS VEGAS
Adopted by City Council action .....November 4, 1987

CITY OF BOULDER CITY
Adopted by City Council action ..... January 26, 1988

CITY OF MESQUITE
Adopted by City Council action ..... January 26, 1988

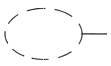
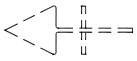
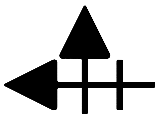
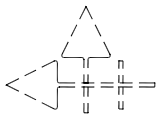
CLARK COUNTY
Adopted by Board action ..... April 1998

REGIONAL STREET AND HIGHWAY COMMISSION
Adopted by Commission Action .....October 8, 1987

The Uniform Standard Drawings for Public Works Construction may be revised by issuance of revisions or supplements to correct errors and omissions found in these drawings and to reflect advanced thinking and the changing technology of the construction industry. Each revision will supersede any previous pertinent drawing. Upon approval by the RTC, revisions will become effective and be posted on the RTC web-site, www.rtcsouthernnevada.com, by the first day of the month of January and July.

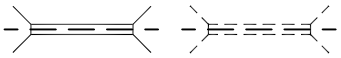
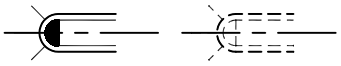
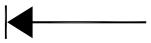
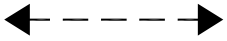
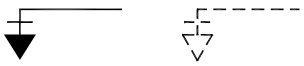
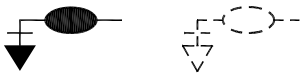
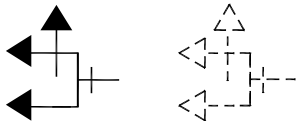
To implement this end a Specifications Committee has been established as a permanent organization to continually study and recommend changes to the standard drawings. Interested parties may address suggested changes and questions to the Regional Transportation Commission, 600 South Grand Central Parkway, Suite 350, Las Vegas, Nevada, 89106-4512.

Effective 07/01/09 - 12/30/09

PROPOSED	EXISTING	
		PULL BOX
		SIGNAL LUMINAIRE POLE, POST
		UTILITY POLE
		CONTROL CABINET
		CONDUIT RUN
		AERIAL CABLE
		DETECTOR LOOP
		PADMOUNT, ELECTRICAL SERVICE OR SPLICE BOX
		FLUORESCENT LUMINAIRE
		HIGH PRESSURE SODIUM LUMINAIRE - 750 WATT
		HIGH PRESSURE SODIUM LUMINAIRE - 400 WATT
		TRAFFIC SIGNAL INDICATION WITH BACKPLATE
		TRAFFIC SIGNAL INDICATION WITH DIRECTIONAL ARROW AND BACKPLATE
		PEDESTRIAN INDICATION AND DIRECTION
		HAZARD BEACON, ONE WAY

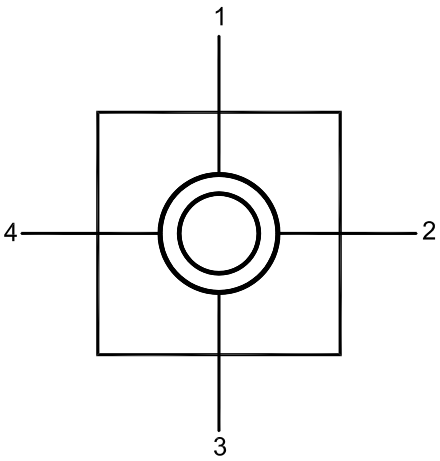
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		STANDARD SYMBOLS FOR TRAFFIC SIGNAL DRAWINGS		
		DATE 12-12-96	DWG. NO. 404.001	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09

PROPOSED	EXISTING	
		STREET NAME SIGN INTERNALLY ILLUMINATED
		CURB FLASHER
		VEHICLE MOVEMENT (STOPPED)
		VEHICLE MOVEMENT (MOVING)
		CONDUIT RUN NUMBER
		PEDESTRIAN MOVEMENT
		TRAFFIC SIGNAL ON MAST ARM
		TRAFFIC SIGNAL AND LUMINAIRE ON MAST ARMS
		PEDESTRIAN PUSH BUTTON INDICATING DIRECTION OF CONTROL
		TRAFFIC SIGNAL WITH ALL COLORS LOUVERED
		SCHOOL FLASHER
		5 SECTION SIGNAL HEAD WITH DIRECTIONAL ARROW AND BACKPLATE
		PRIORITY VEHICLE PREEMPTION OPTICAL DETECTOR (OPTICOM OR APPROVED EQUAL)

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		STANDARD SYMBOLS FOR TRAFFIC SIGNAL DRAWINGS		
		DATE 12-12-96	DWG. NO. 404.001	SHEET 2 OF 2

Effective 07/01/09 - 12/30/09



QUADRANT

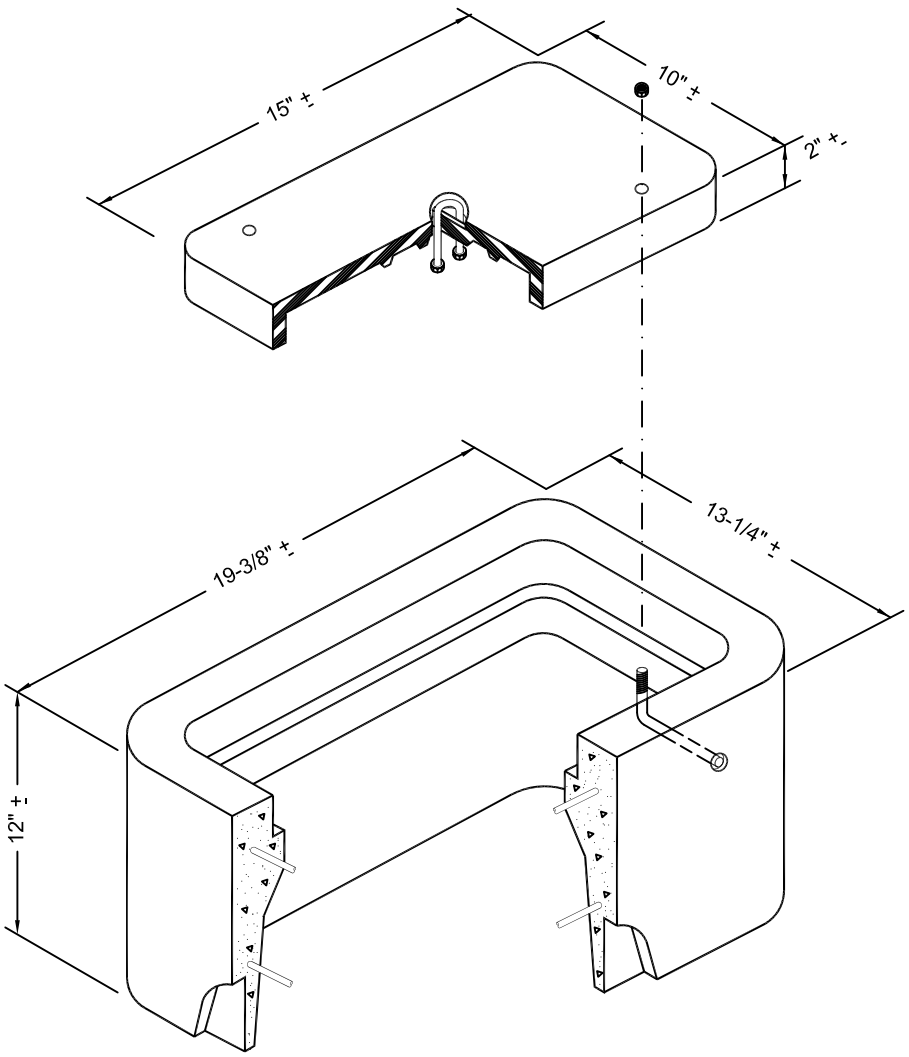
ARM OR SIGNAL LOCATION

(TOP VIEW)

NOTE: QUADRANT IS IN RELATION WITH SHEET - NOT WITH NORTH ARROW

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		QUADRANT DETAIL		
		DATE	DWG. NO. 404.002	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



CAST IRON SIDEWALK COVER
MARKED "TRAFFIC SIGNAL"

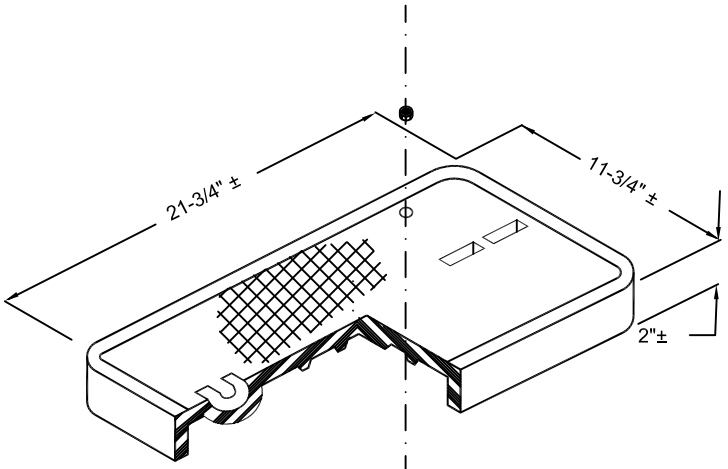
PRECAST REINFORCED
CONCRETE BODY

NOTES:

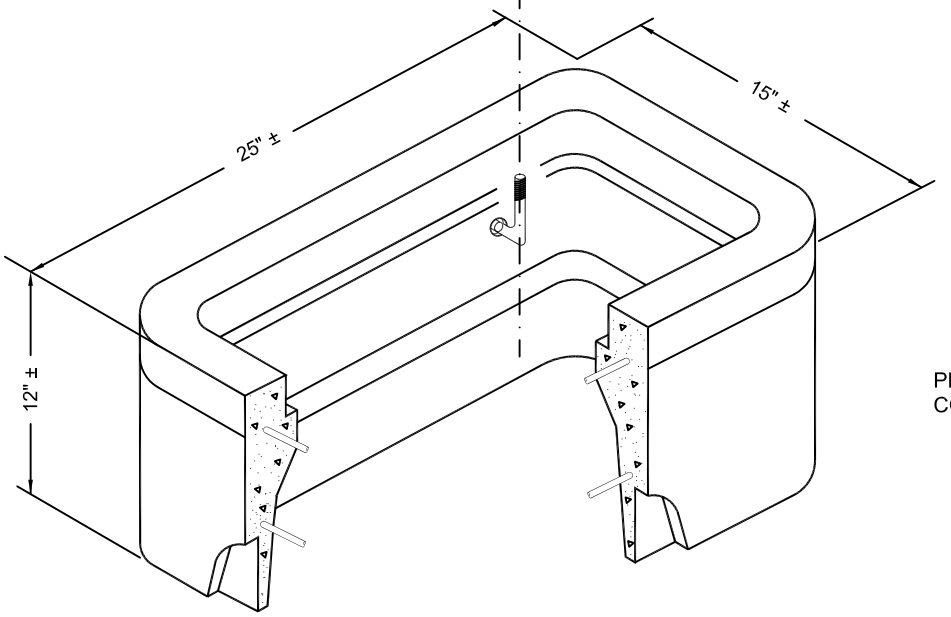
1. THIS PULL BOX SHALL NOT BE USED IN TRAFFIC OR PARKING LANES.
2. ALL DIMENSIONS ARE NOMINAL.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		NO. 3-1/2 PULL BOX		
		DATE	DWG. NO. 404.110	SHEET 1 OF 1

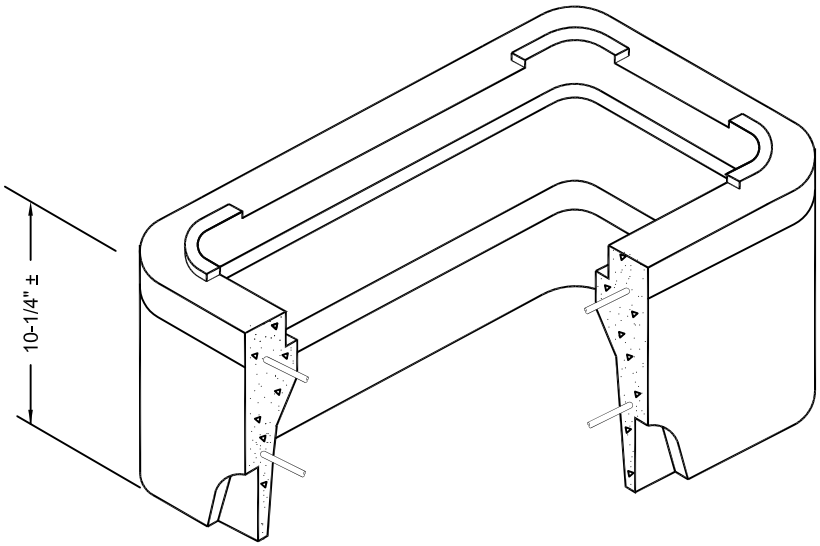
Effective 07/01/09 - 12/30/09



CAST IRON SIDEWALK COVER
MARKED "TRAFFIC SIGNAL"



PRECAST REINFORCED
CONCRETE BODY



PRECAST REINFORCED CONCRETE
EXTENSION. (MUST NOT BE
USED UNLESS SPECIFIED.)

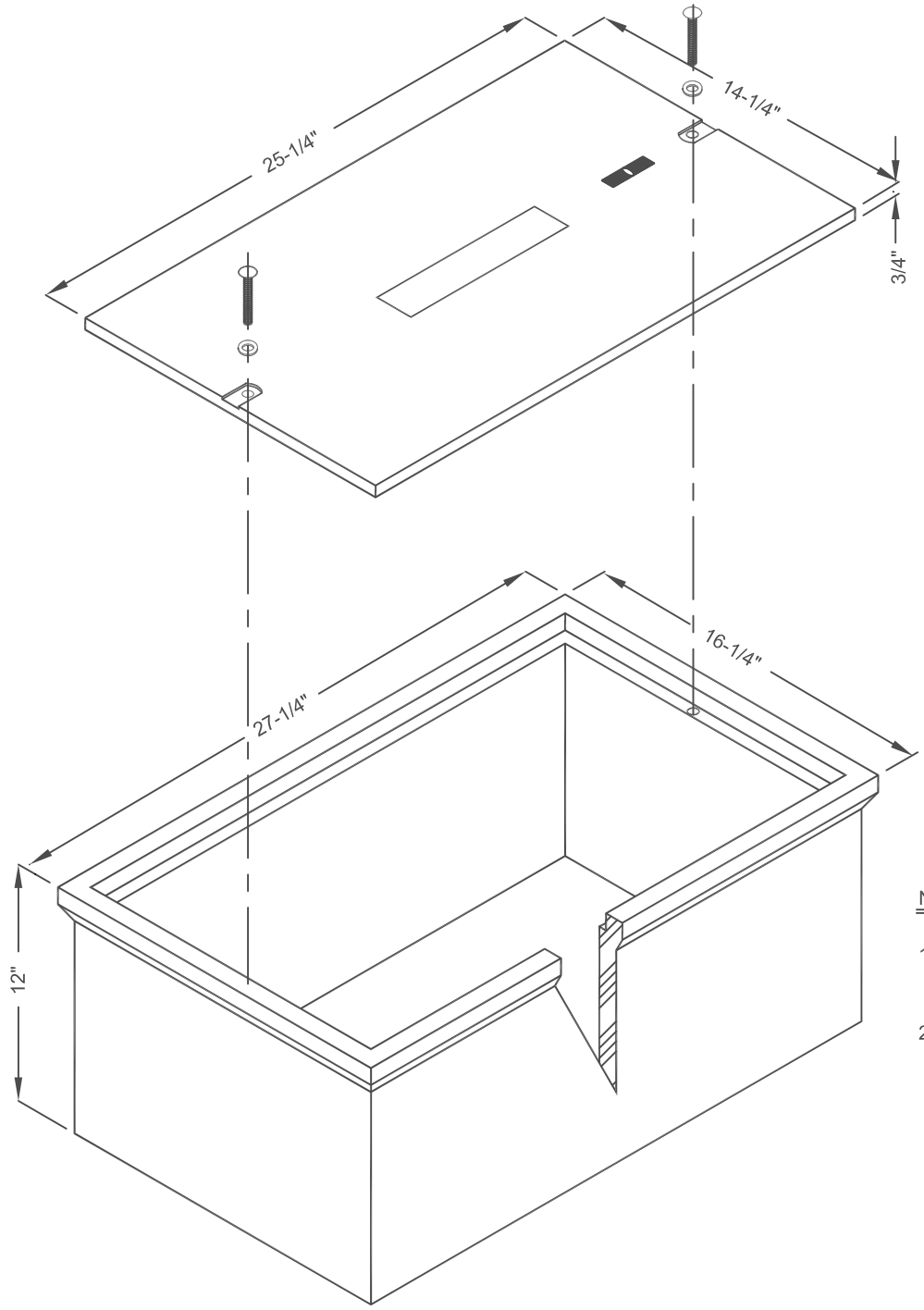
NOTES:

1. CAST IRON COVER SHALL BE USED IN SIDEWALK ONLY.
2. SEE DRAWING NO. 404.140 FOR COVER TO BE USED IN STREET AND UNDEVELOPED AREAS.
3. ALL DIMENSIONS ARE NOMINAL.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		NO. 5 PULL BOX		
		DATE	DWG. NO. 404.120	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

PLASTIC MORTAR REINFORCED
SIDEWALK COVER MARKED
"TRAFFIC SIGNAL"



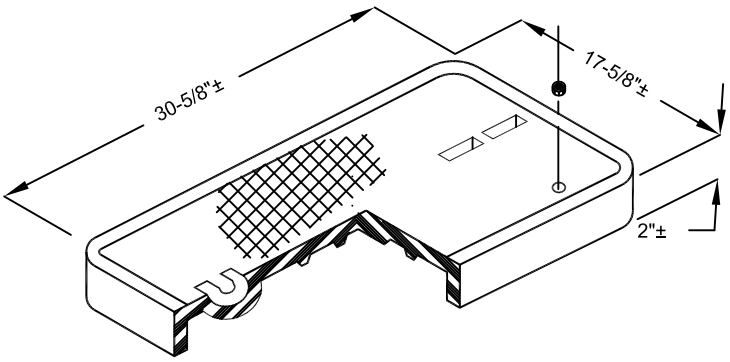
REINFORCED PLASTIC
MORTAR EXTENSION.

NOTES:

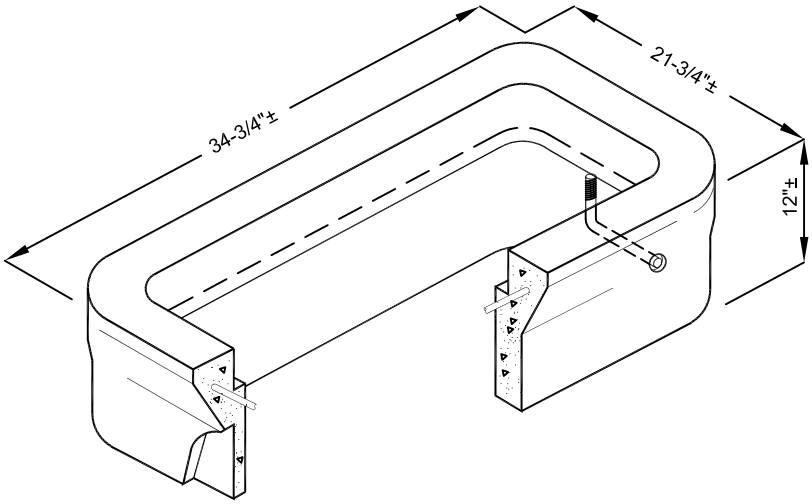
1. THIS PULL BOX SHALL NOT BE USED IN VEHICLE TRAVEL AREAS.
2. PULL BOX TO BE USED IN CONCRETE SIDEWALKS ONLY.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		REINFORCED PLASTIC MORTAR SERVICE BOX ASSEMBLY #5		
		DATE	DWG. NO. 404.121	SHEET 1 OF 1

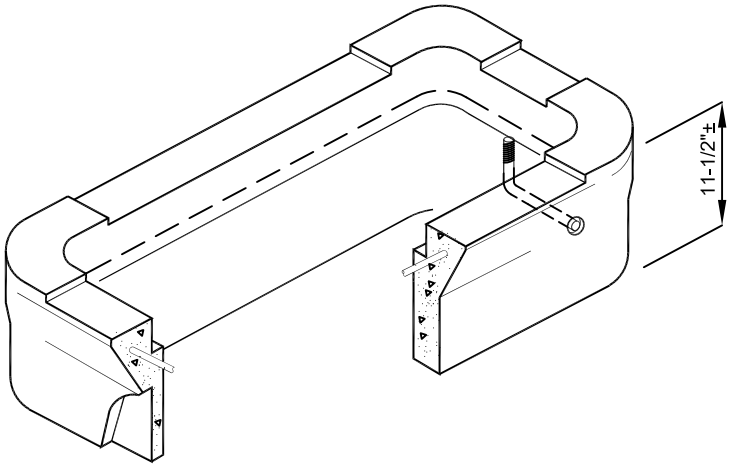
Effective 07/01/09 - 12/30/09



CAST IRON SIDEWALK COVER MARKED "TRAFFIC SIGNAL" STEEL PULL BOX COVER, DRAWING NO. 404.140 IS PREFERRED FOR ALL USES, THIS PULL BOX ONLY.



PRECAST REINFORCED CONCRETE BODY.



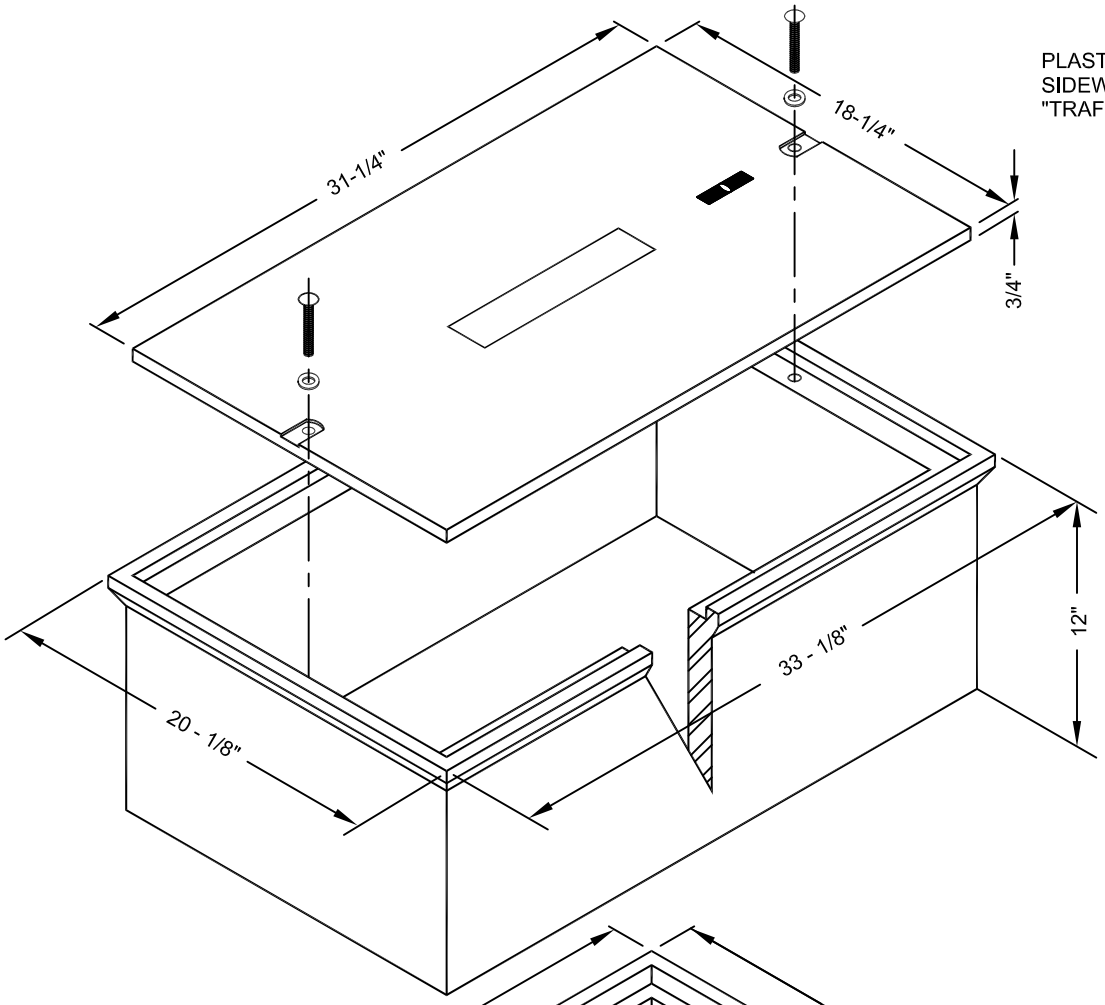
PRECAST REINFORCED CONCRETE EXTENSION. (MUST NOT BE USED UNLESS SPECIFIED.)

NOTES:

1. THIS PULL BOX SHALL NOT BE USED IN TRAFFIC OR PARKING LANES.
2. SEE DRAWING NO. 404.140 FOR ALTERNATE COVER.

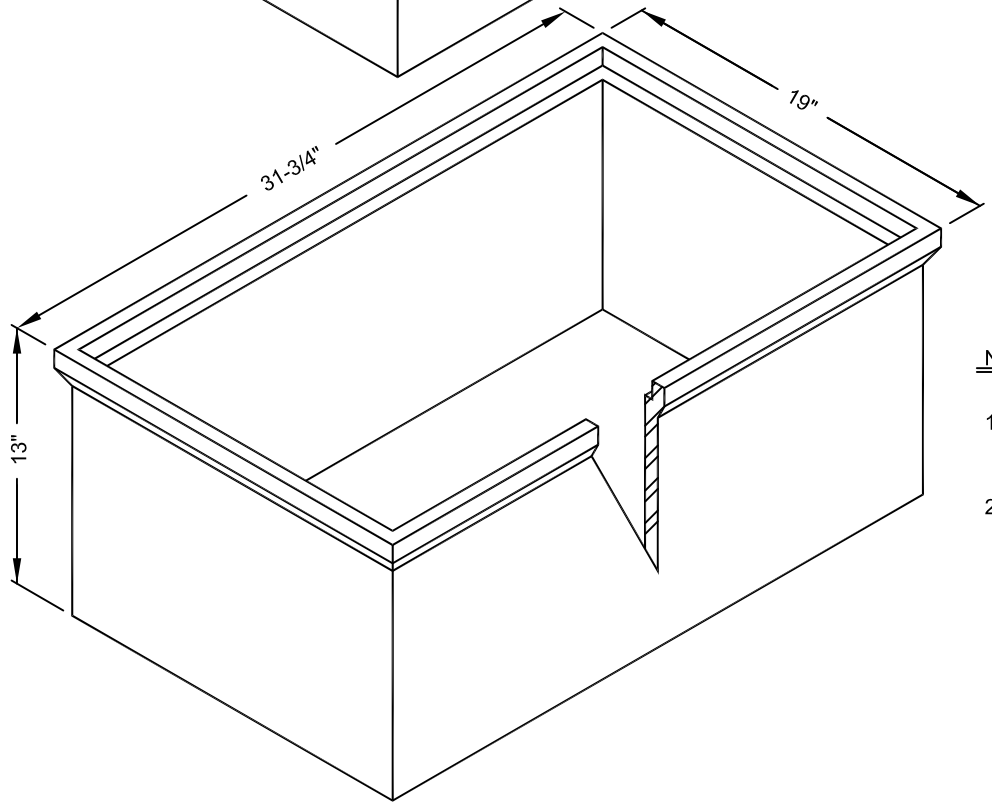
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		NO. 7 PULL BOX		
		DATE	DWG. NO. 404.130	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



PLASTIC MORTAR REINFORCED SIDEWALK COVER MARKED "TRAFFIC SIGNAL"

REINFORCED PLASTIC MORTAR BODY.



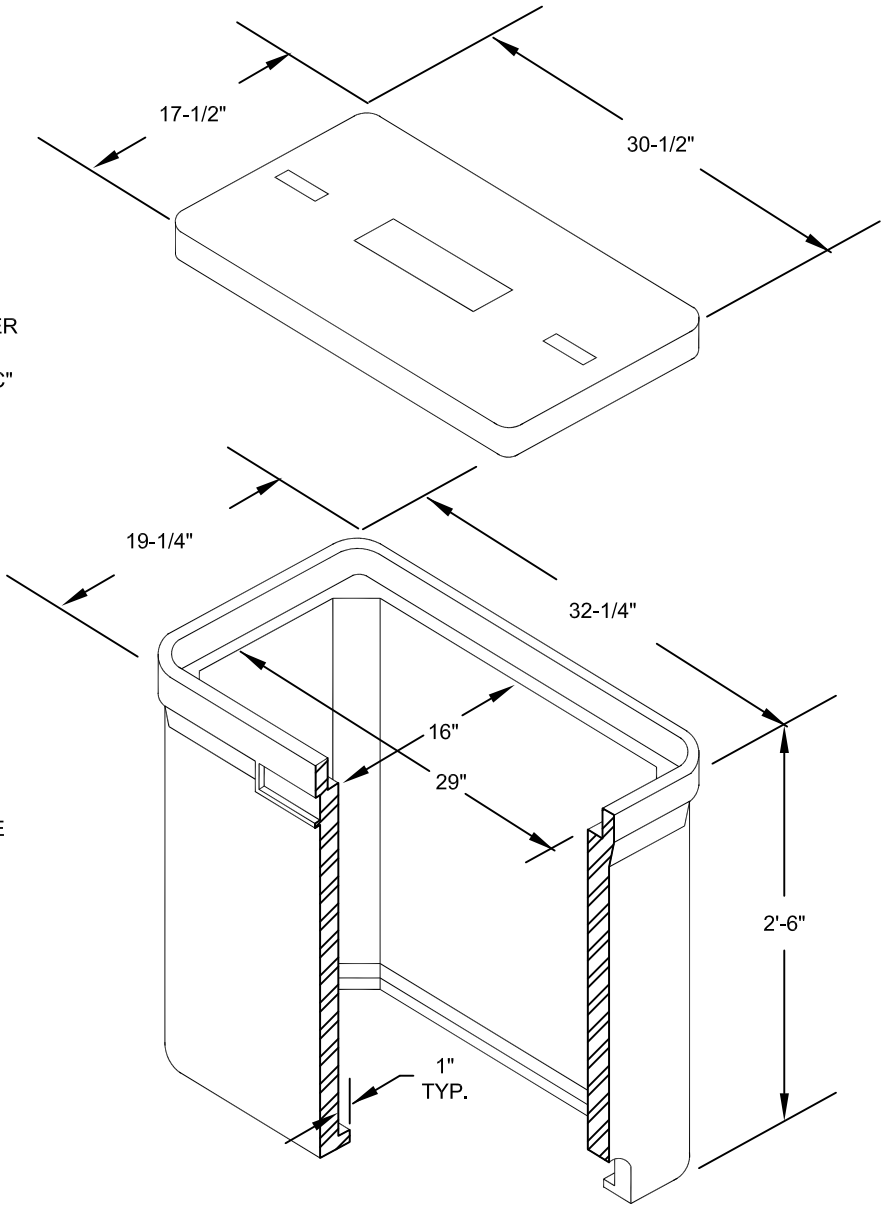
REINFORCED PLASTIC MORTAR EXTENSION.

NOTES:

1. THIS PULL BOX SHALL NOT BE USED IN VEHICLE TRAVEL AREAS.
2. PULL BOX TO BE USED IN CONCRETE SIDEWALKS ONLY.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		REINFORCED PLASTIC MORTAR SERVICE BOX ASSEMBLY #7		
		DATE	DWG. NO. 404.131	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

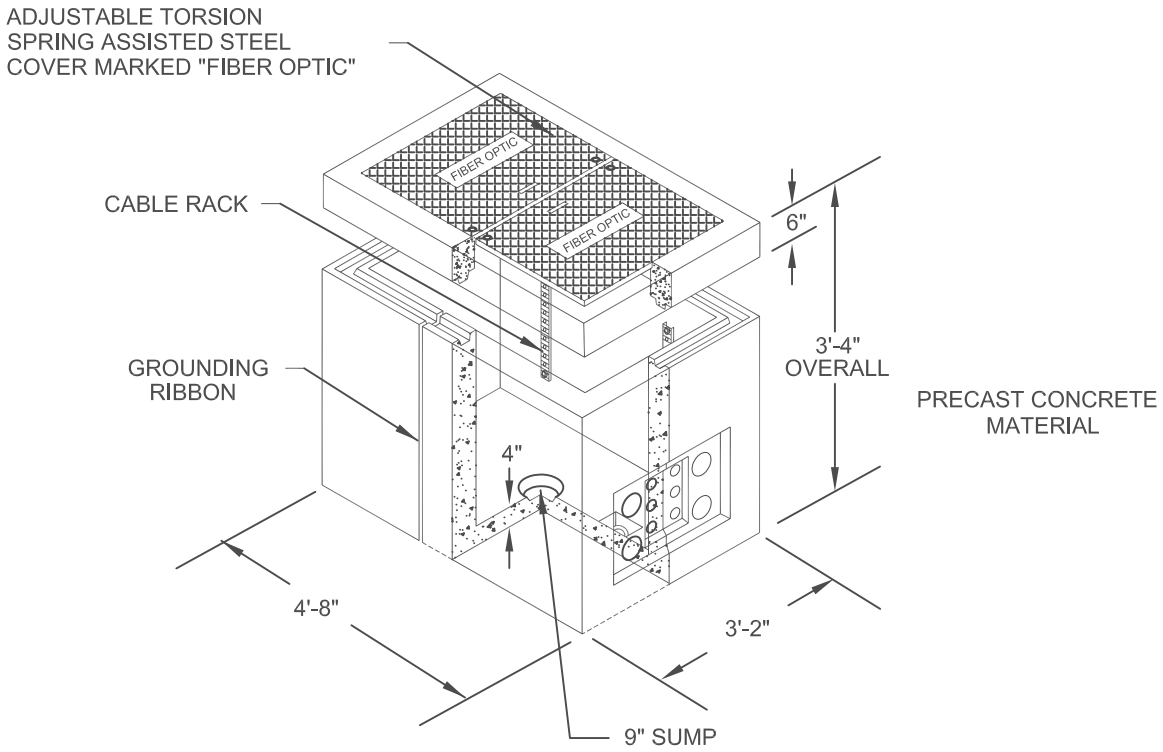


NOTES:

1. THIS PULL BOX SHALL NOT BE USED IN TRAVEL OR PARKING LANES.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		"P30" PULLBOX (FOR USE IN INTERCONNECT AND COMMUNICATIONS INSTALLATIONS)		
		DATE 3-13-03	DWG. NO. 404.132	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



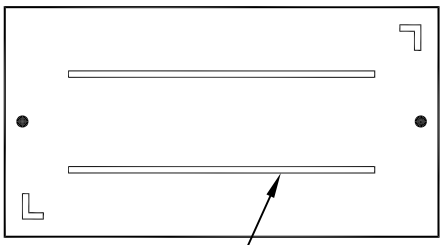
NOTES:

1. DESIGN LOAD: H-20 WHEEL LOADINGS.
2. SUITABLE FOR USE IN OFF STREET LOCATIONS WHERE NOT SUBJECT TO HIGH DENSITY TRAFFIC. IT SHALL NOT BE USED IN TRAVEL OR PARKING LANES.
3. INSIDE DIMENSIONS - 30"X48"X36"
4. FOR USE AT FIBER OPTIC SPLICE POINTS.

TYPE 200 VAULT

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TYPE 200 VAULT (FOR USE AT FIBER OPTIC SPLICE POINTS)		
		DATE 3-13-08	DWG. NO. 404.133	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



WELD PLATE
STIFFENERS

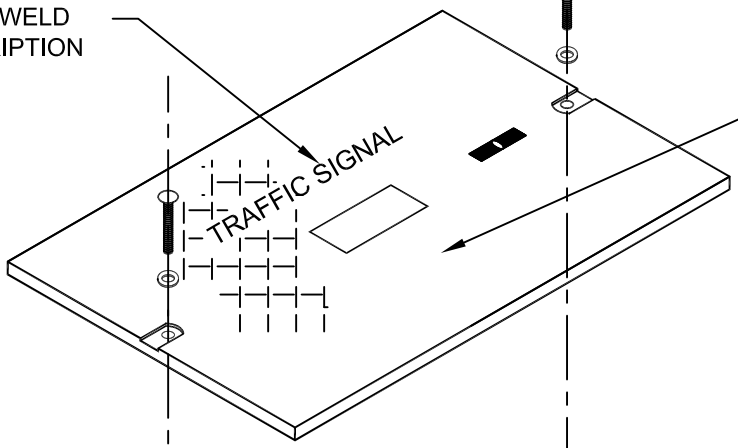


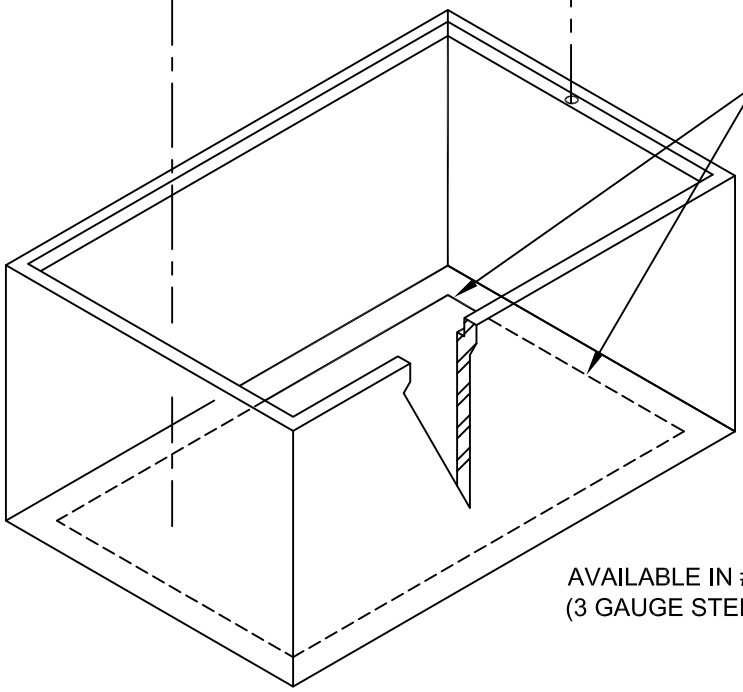
SIDE VIEW

BOTTOM VIEW

BEAD WELD
INSCRIPTION

3/8" DIAMOND PLATE





2" LIP AROUND INSIDE OF
PULL BOX

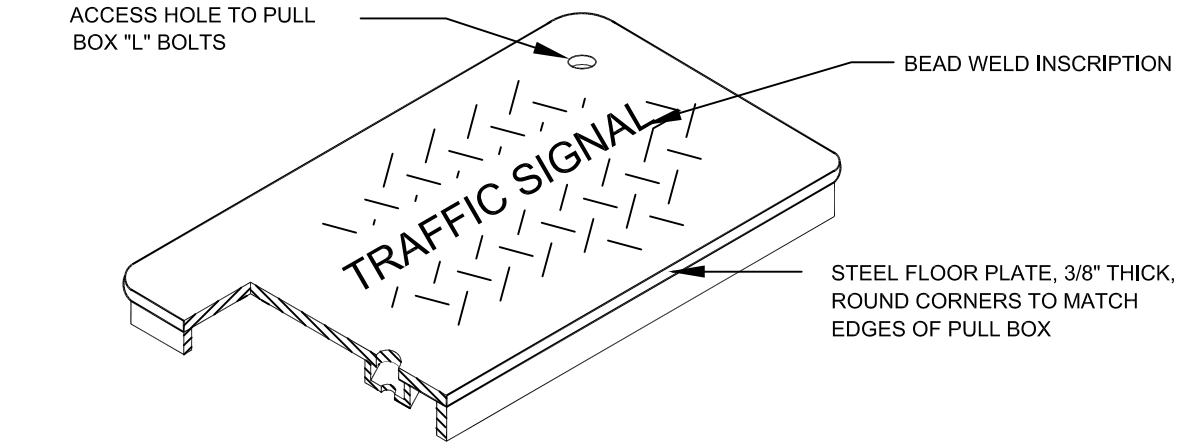
NOTE:

1. THIS PULL BOX SHALL BE USED IN VEHICLE TRAVEL AREAS.

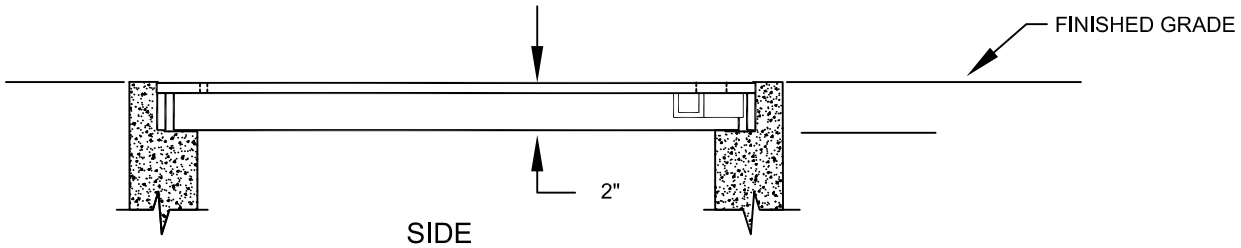
AVAILABLE IN #3, #5,& #7 SIZES
(3 GAUGE STEEL)

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		STEEL PULL BOXES		
		DATE	DWG. NO. 404.139	SHEET 1 OF 1

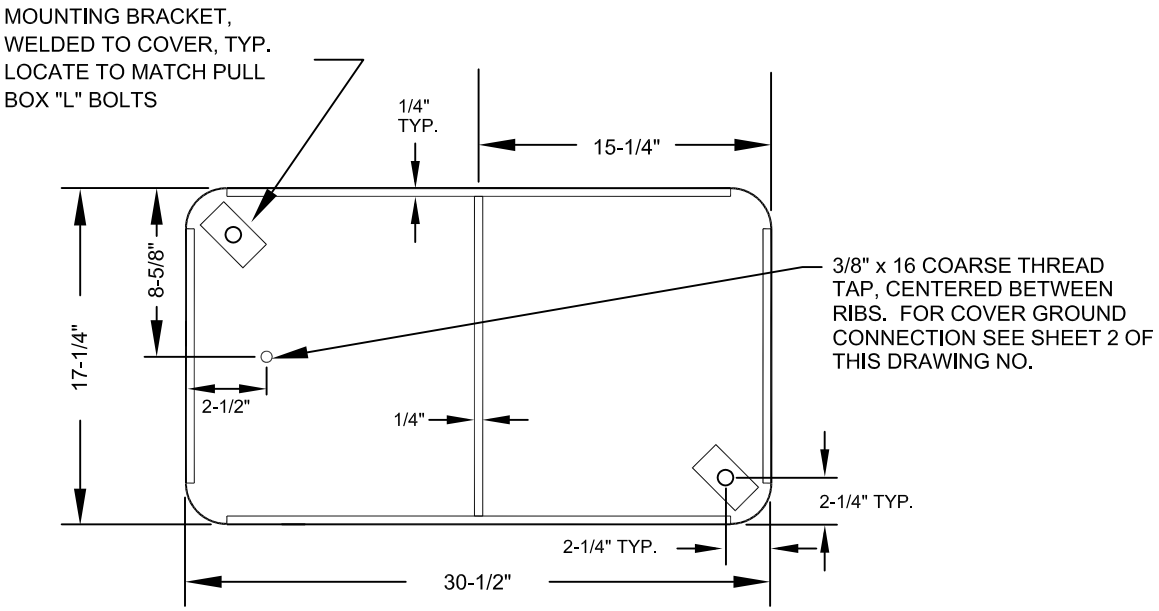
Effective 07/01/09 - 12/30/09



COVER



SIDE



BOTTOM

NOTES:

1. THIS COVER TO BE USED IN STREET AREAS AND UNDEVELOPED AREAS ONLY.
2. TYPICAL NO. 7 PULL BOX COVER SHOWN. SUBMIT OTHERS TO THE ENGINEER FOR APPROVAL.
3. ALL TRAFFIC AND OPEN AREA COVERS SHALL BE H 20 RATED.
4. GROUNDING OF STEEL PULL BOX COVERS IS NOT NECESSARY FOR PULL BOXES CONTAINING LOW VOLTAGE, POWER-LIMITED CONNECTIONS.

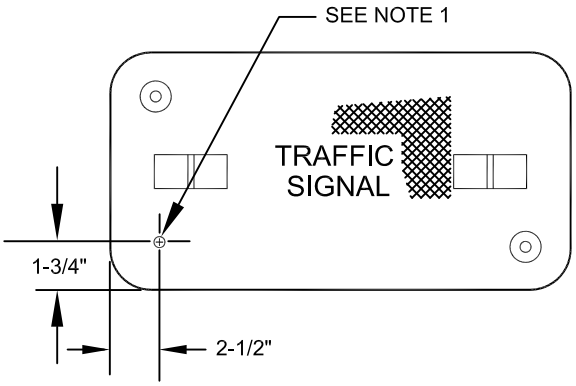
SPECIFICATION REFERENCE	
506	STEEL STRUCTURES
623	TRAFFIC SIGNALS & STREETLIGHTING

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

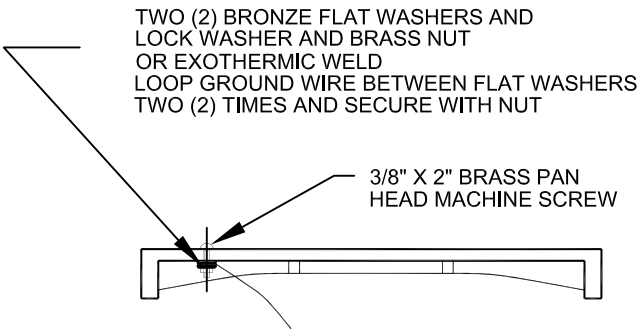
PULL BOX STREET COVER

DATE 12-12-96	DWG. NO. 404.140	SHEET 1 OF 2

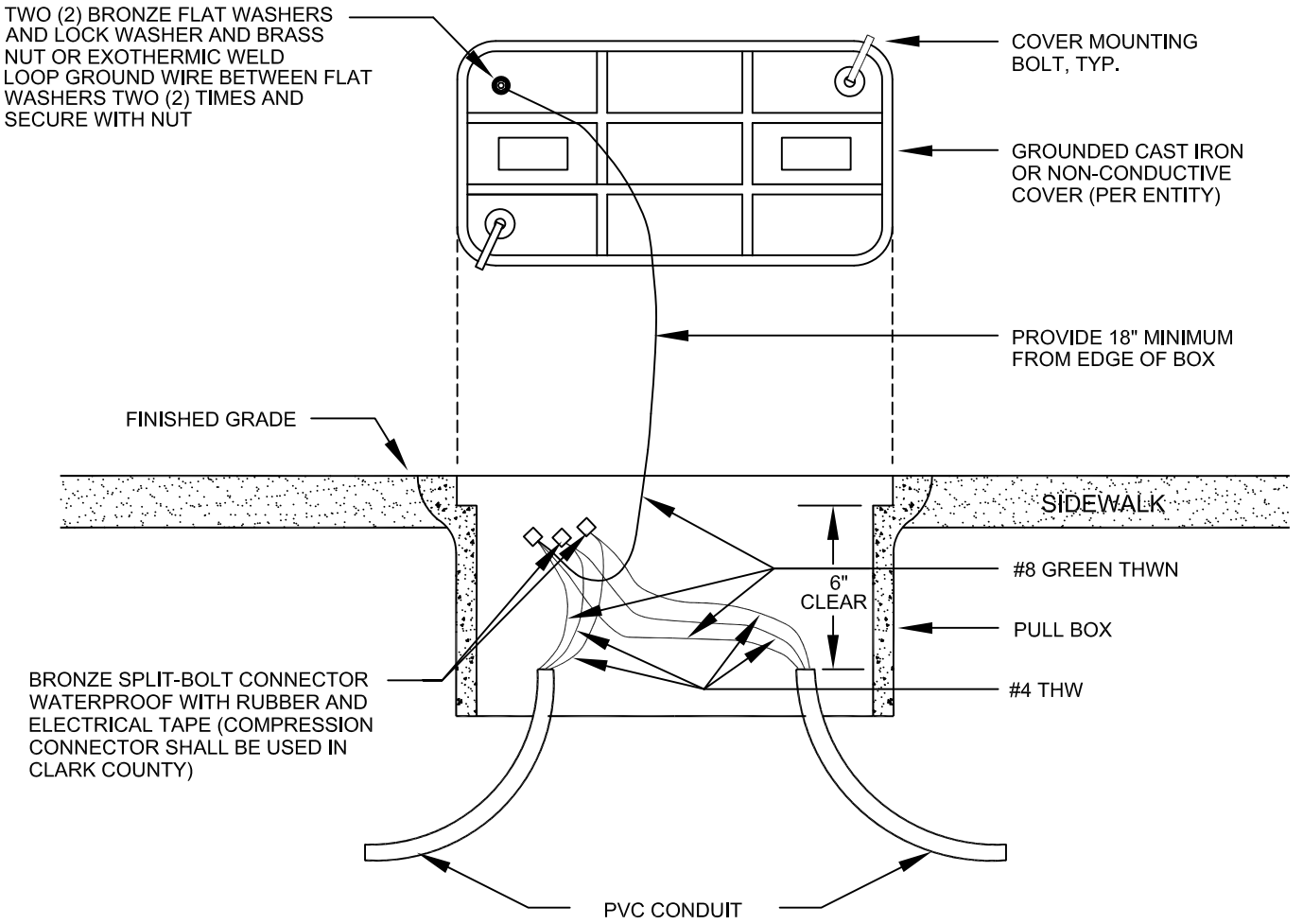
Effective 07/01/09 - 12/30/09



PULL BOX COVER - TOP VIEW



PULL BOX COVER - SIDE VIEW



(TYPICAL CAST IRON LID SHOWN)

NOTES:

1. PULL BOX LID SHOULD BE TAPPED WITH A 3/8" X 16 COURSE THREAD TAP.
2. FOR TYPICAL NO. 7 PULL BOX COVER GROUNDING, SEE SHEET 1 OF THIS DRAWING NO.

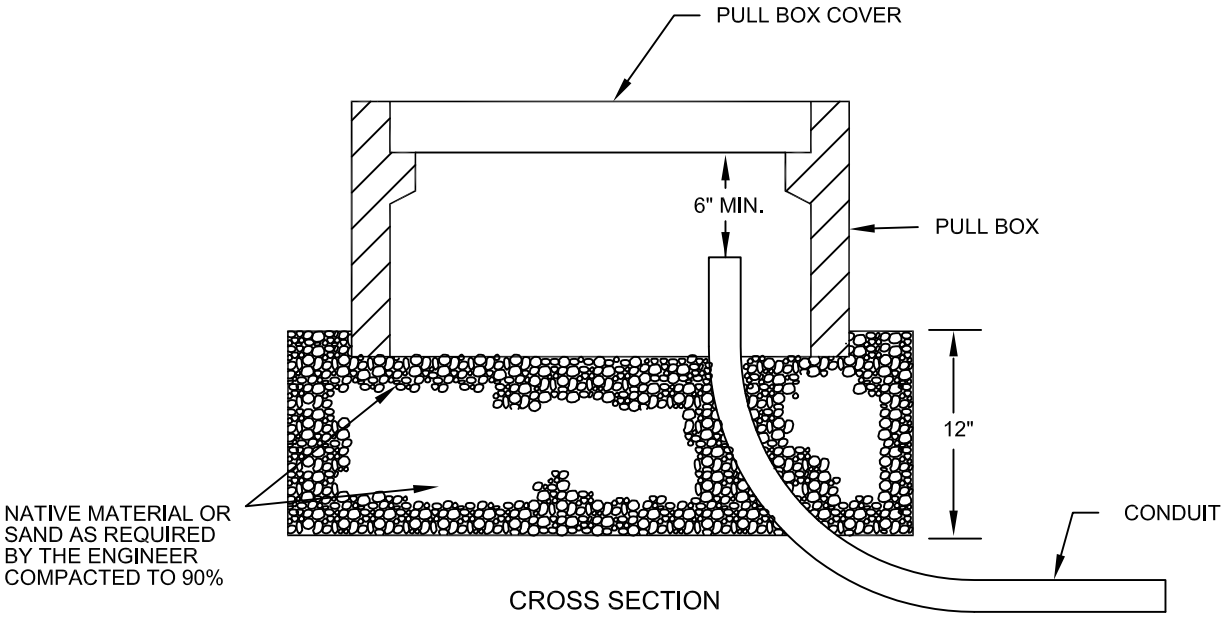
SPECIFICATION REFERENCE	
623	TRAFFIC SIGNALS & STREETLIGHTING

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

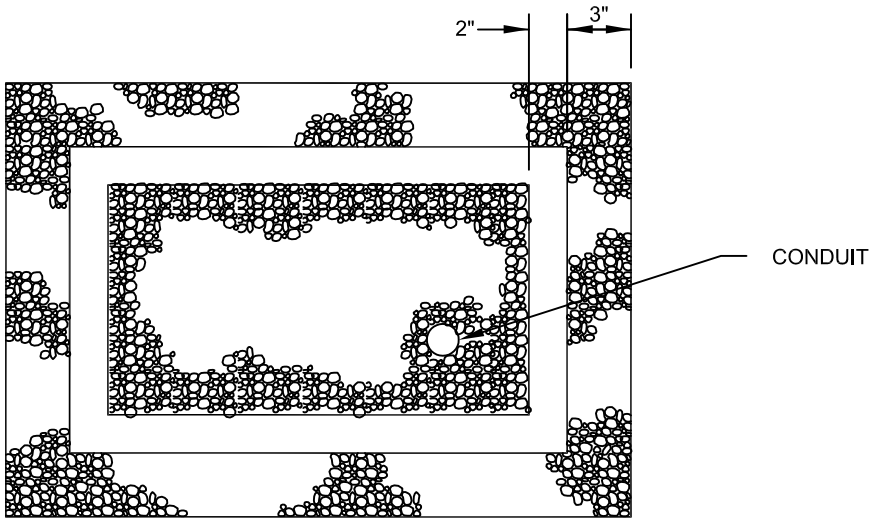
PULL BOX COVER BONDING DETAIL

DATE 12-12-96	DWG. NO. 404.140	SHEET 2 OF 2

Effective 07/01/09 - 12/30/09



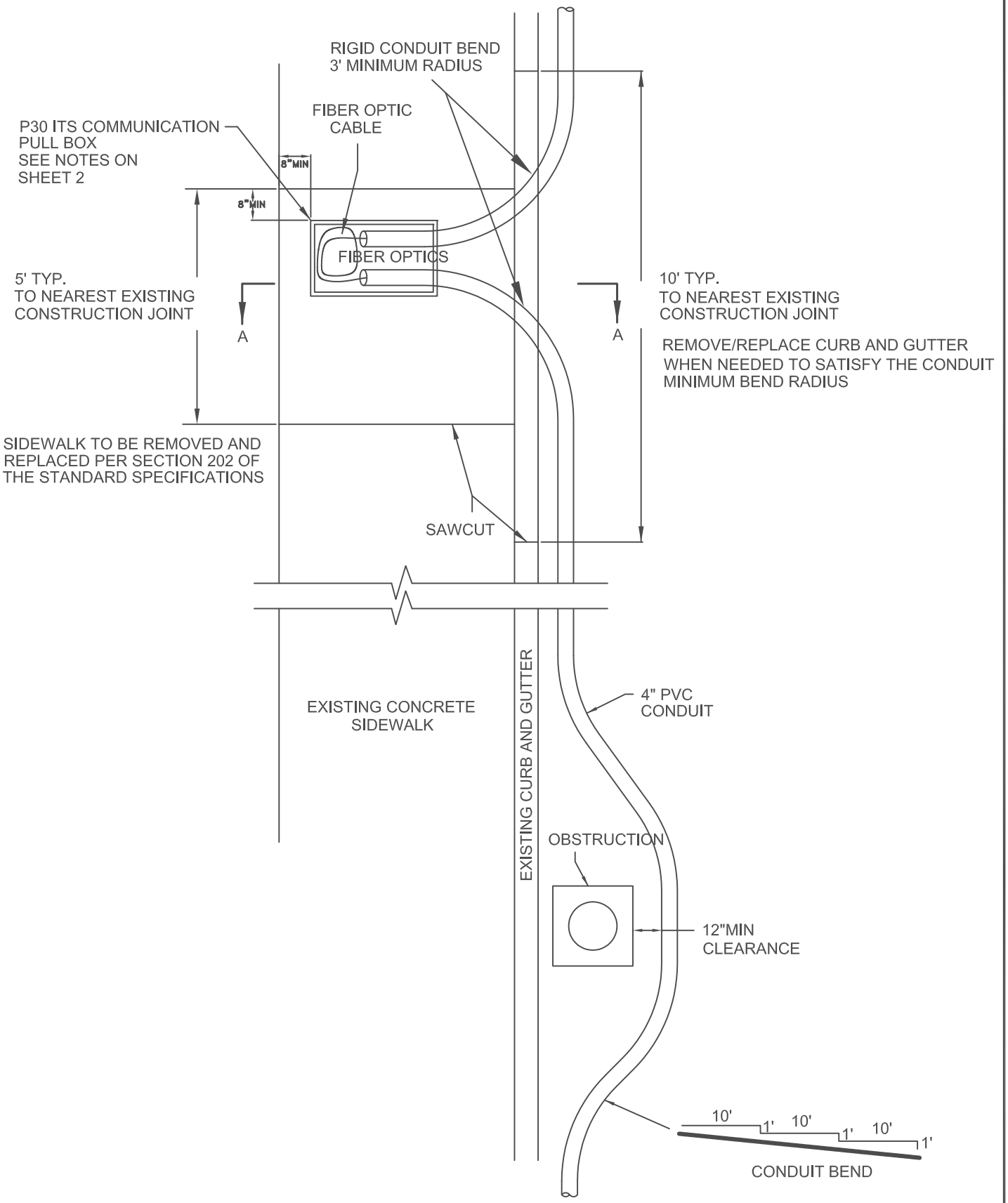
CROSS SECTION



TOP VIEW

Effective 07/01/09 - 12/30/09

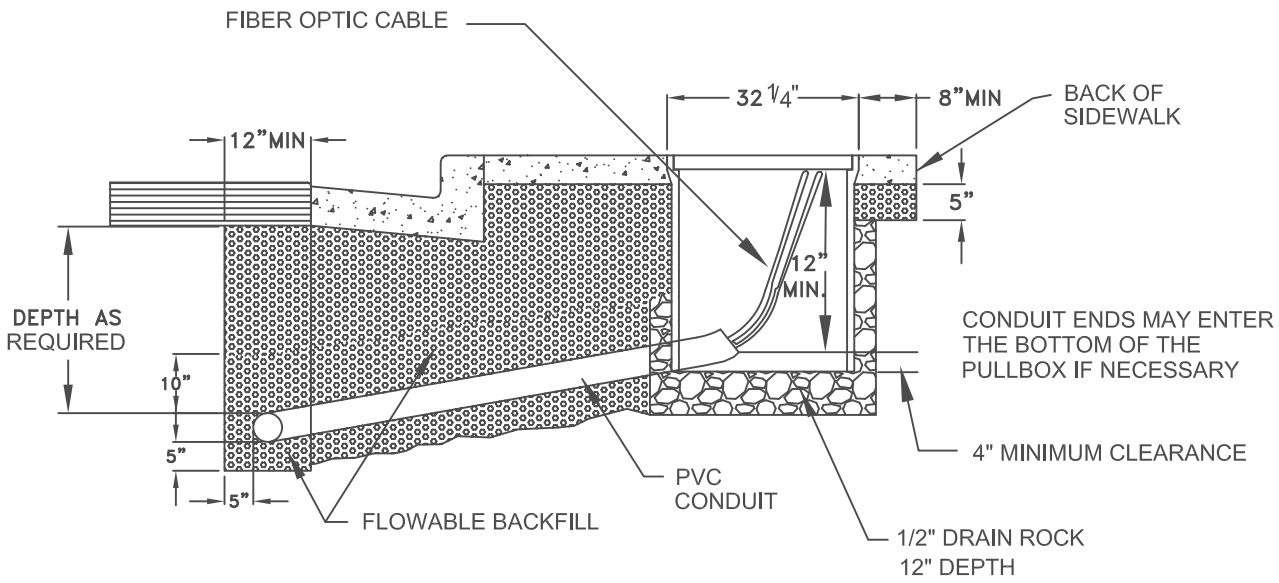
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		PULL BOX FOUNDATION		
		DATE 7-12-01	DWG. NO. 404.141	SHEET 1 OF 1



SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		ITS COMMUNICATION CONDUIT AND PULL BOX DETAIL (FOR EXISTING CURB & GUTTER)		
		DATE 3-13-08	DWG. NO. 404.142	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09

PULL BOX MAY ALSO BE PLACED
NEAR THE BACK OF CURB WITH
A MIN. 8" CLEARANCE



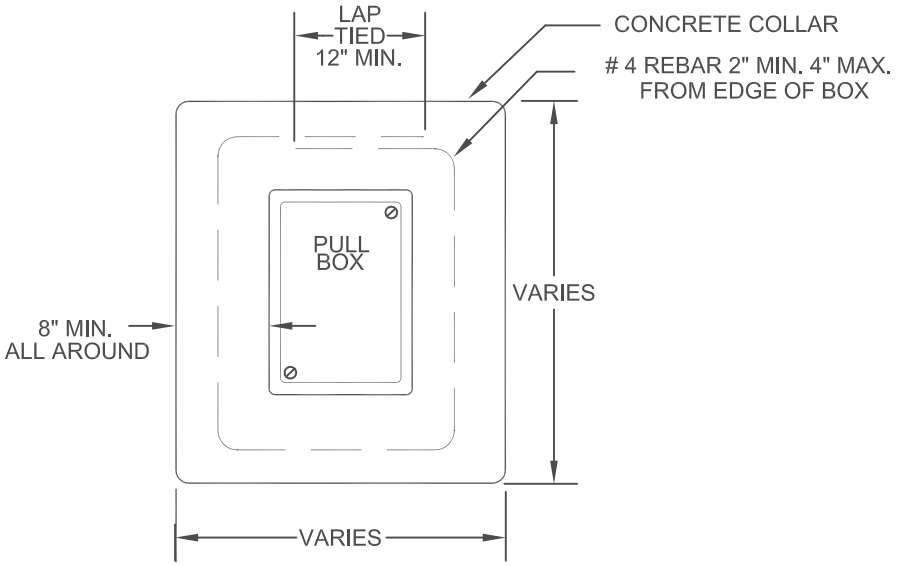
SECTION A-A

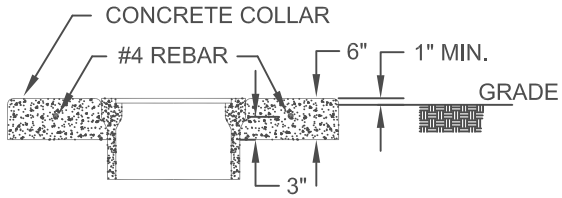
NOTES:

1. P30 PULL BOX SHALL BE INSTALLED FOR THE TRAFFIC SIGNAL ITS COMMUNICATIONS PER APPLICABLE STANDARDS.
2. PULL BOX COVER SHALL BE INSCRIBED "FIBER OPTICS".
3. APPROXIMATE LOCATIONS OF THE PROPOSED P30 ITS COMMUNICATION PULL BOXES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING THE LOCATIONS OF THE PROPOSED ITS COMMUNICATION PULL BOXES IN THE FIELD PER STANDARD STANDARD SPECIFICATION INTERVALS AND THESE LOCATIONS SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER BEFORE INSTALLATION.
4. DETAIL SHOWS METHOD OF INSTALLATION WHEN FIBER OPTIC CABLE IS REQUIRED.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		ITS COMMUNICATION CONDUIT AND PULL BOX DETAIL (FOR EXISTING CURB & GUTTER)		
		DATE 3-13-08	DWG. NO. 404.142	SHEET 2 OF 2

Effective 07/01/09 - 12/30/09





TYPICAL SECTION

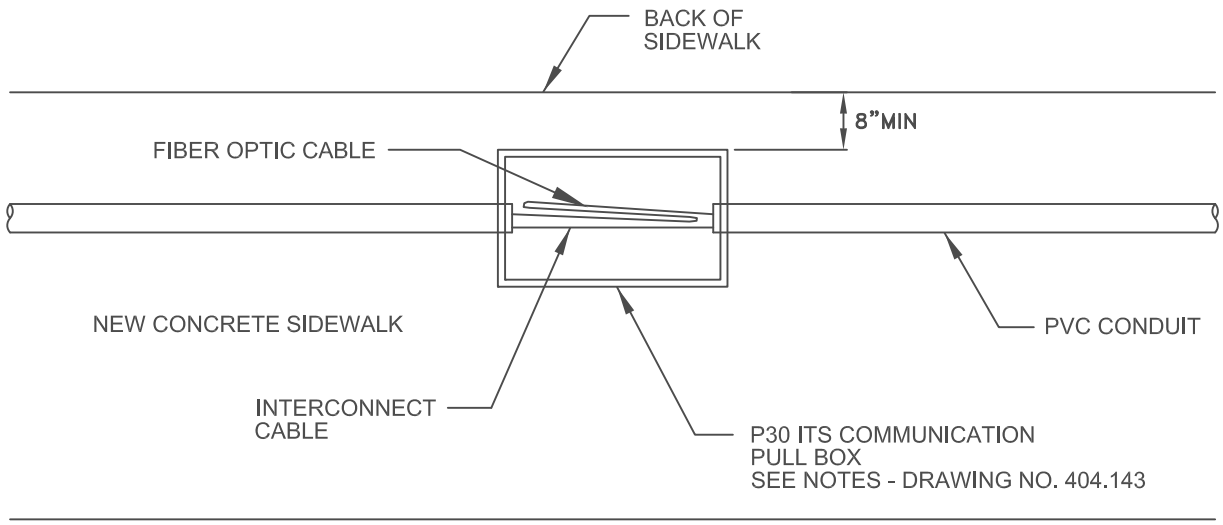
PULL BOX CONCRETE COLLAR
IN UNDEVELOPED AREAS

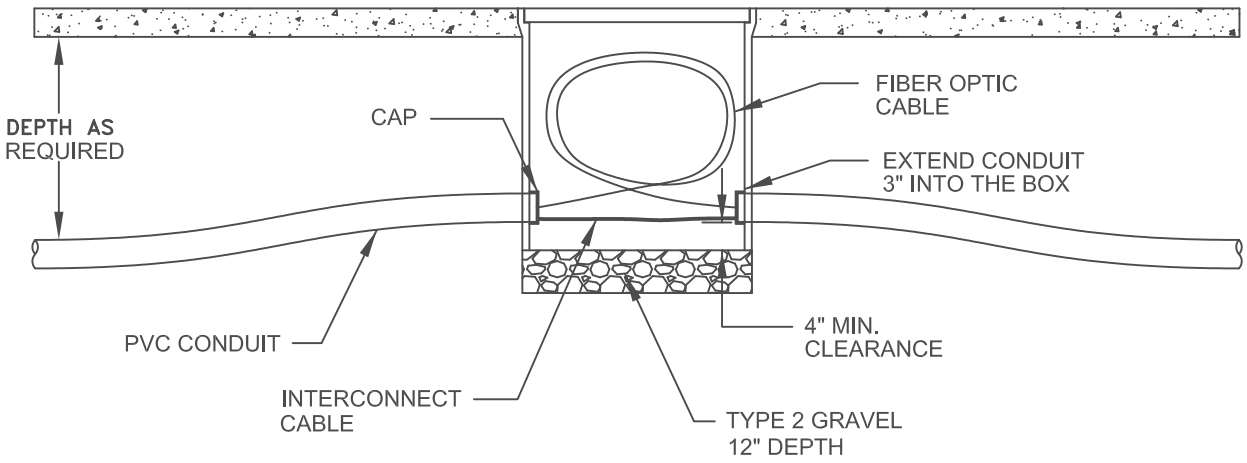
NOTES:

1. P30 PULL BOXES SHALL BE INSTALLED FOR THE SIGNAL ITS COMMUNICATIONS PER APPLICABLE STANDARDS.
2. PULL BOX COVER SHALL BE INSCRIBED "FIBER OPTIC".
3. LOCATIONS OF THE PROPOSED P30 ITS COMMUNICATION PULL BOXES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING THE LOCATIONS IN THE FIELD AT APPROXIMATELY 500 FEET INTERVALS. THESE LOCATIONS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER BEFORE INSTALLATION.
4. DETAIL SHOWS METHOD OF INSTALLATION WHEN FIBER OPTIC CABLE IS REQUIRED.
5. CONDUIT SIZES SHALL BE PER UNIFORM STANDARD SPECIFICATIONS, SECTION 623.
6. ALL CONDUITS SHALL HAVE A CONTINUOUS RUN OF 6 PAIR PE39 #22 AWG INTERCONNECT CABLE.
7. UNDERGROUND ORANGE MARKING TAPE SHALL BE PLACED 12 INCHES ABOVE THE INSTALLED CONDUIT AND MARKED WITH THE LEGEND "FIBER OPTIC".

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		PULL BOX CONCRETE COLLAR IN UNDEVELOPED AREAS		
		DATE 3-13-08	DWG. NO. 404.143	SHEET 1 OF 1

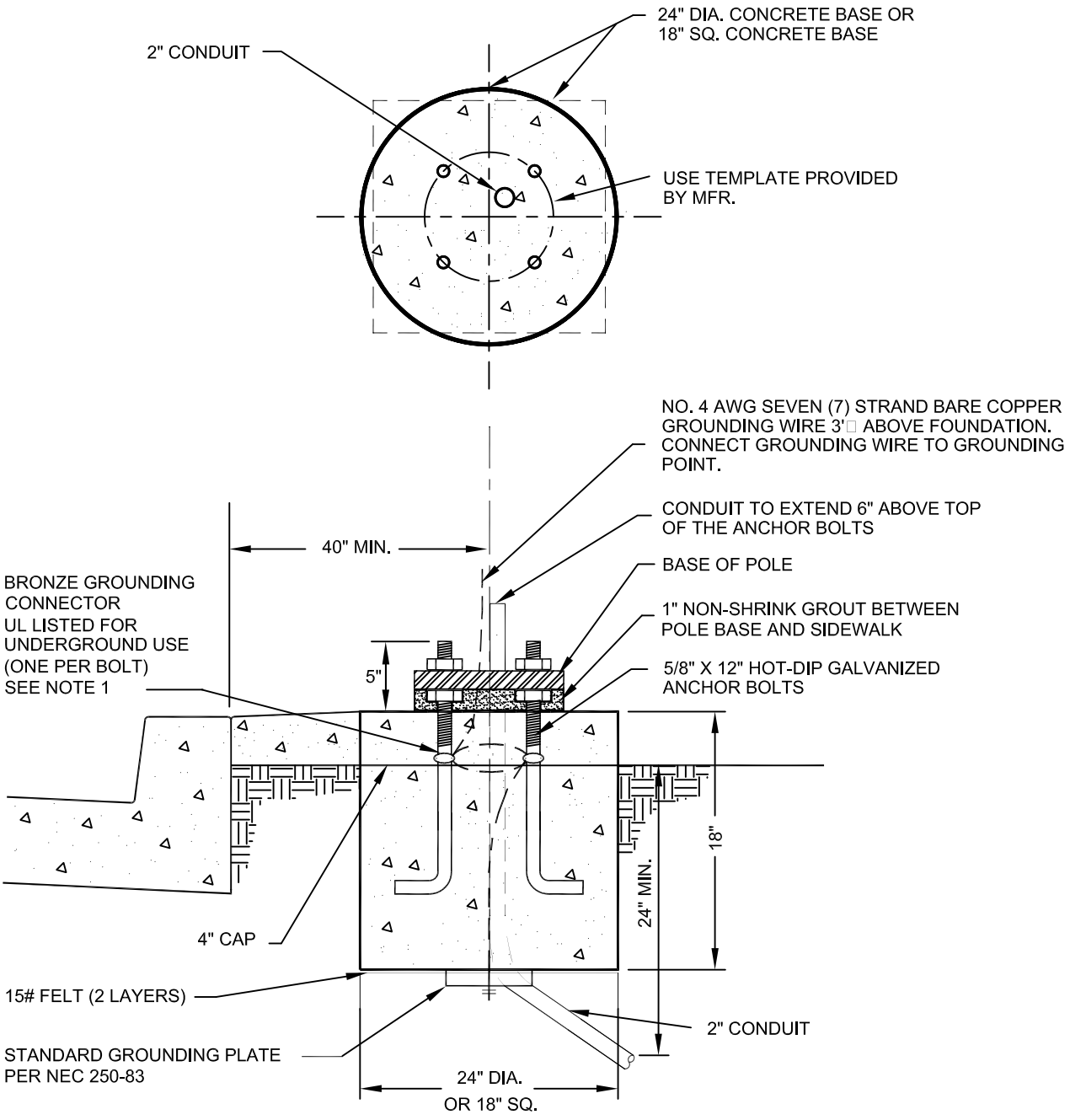
Effective 07/01/09 - 12/30/09





SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		ITS COMMUNICATION CONDUIT AND PULL BOX DETAIL INSTALLED UNDER NEW SIDEWALK		
		DATE 3-13-08	DWG. NO. 404.144	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

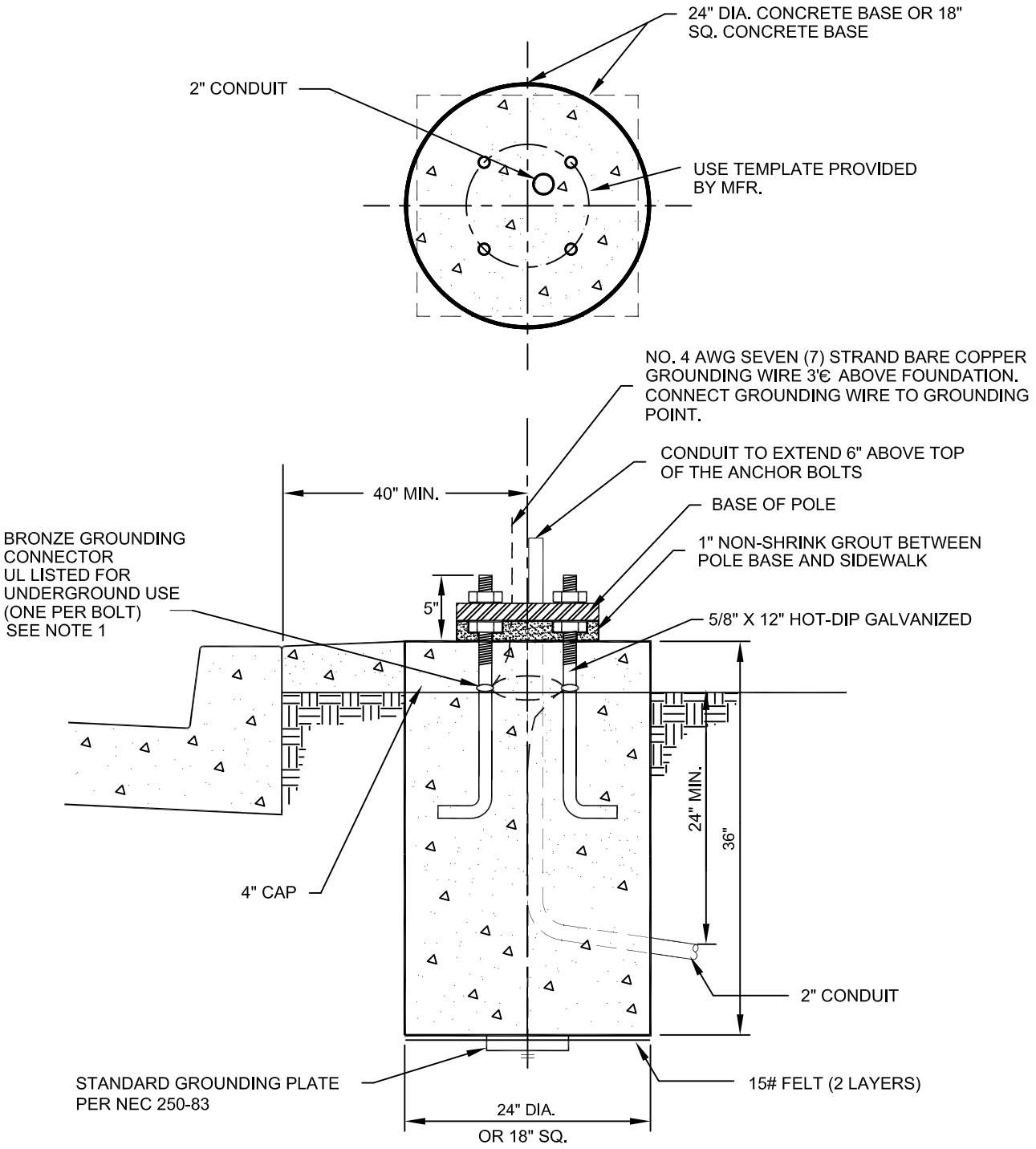


NOTE:

1. CONTINUOUS BARE COPPER GROUNDING WIRE SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
623G.03.06 FOUNDATION	
623T.02.02 ANCHOR BOLT	TYPE "A" FOUNDATION
	DATE 9-14-00 | DWG. NO. 404.201 | SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

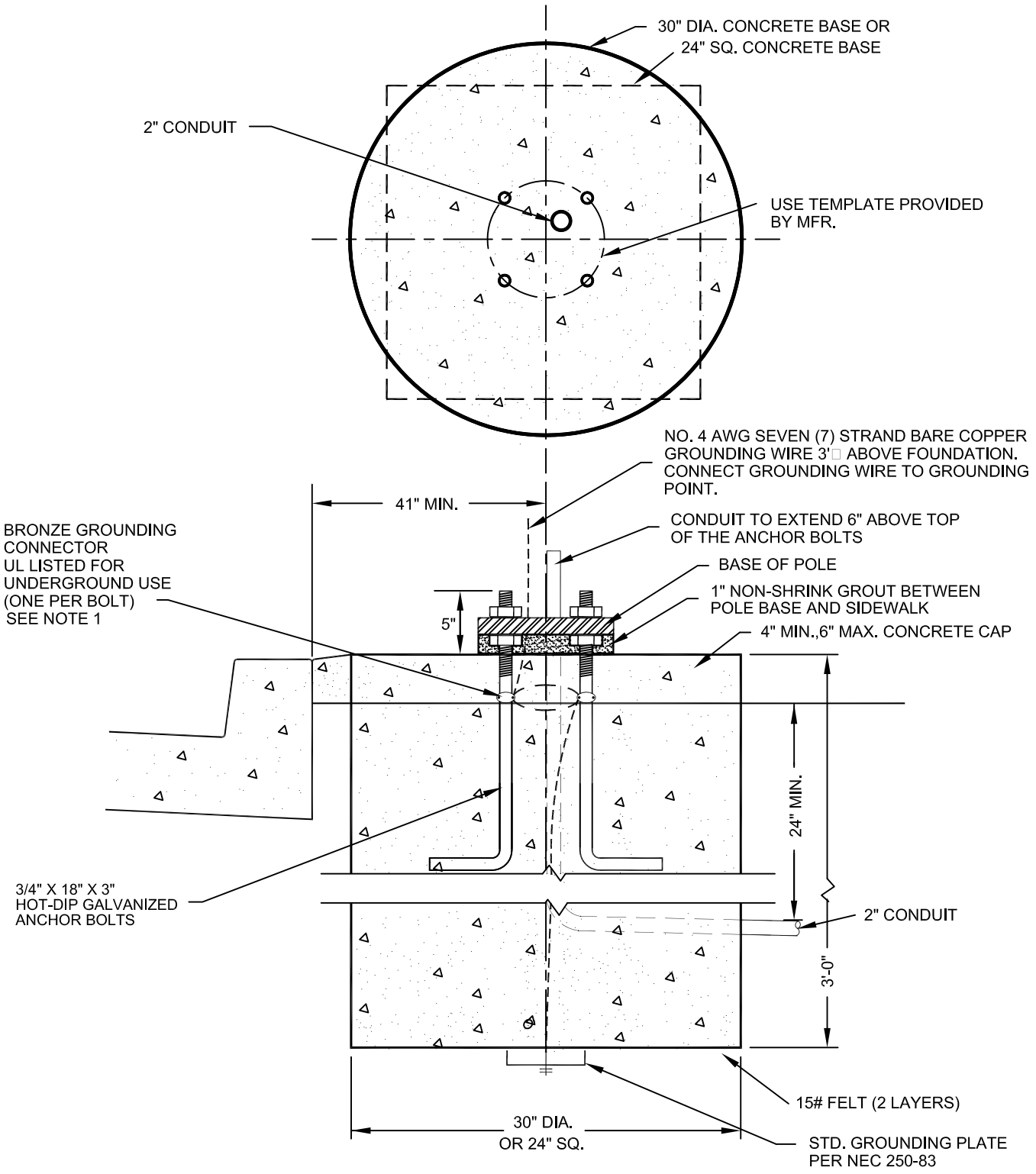


NOTE:

1. CONTINUOUS BARE COPPER GROUNDING WIRE SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
623G.03.06 FOUNDATION			
623T.02.02 ANCHOR BOLT			
	TYPE "B" FOUNDATION		
	DATE 9-14-00	DWG. NO. 404.202	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



NOTE:

1. CONTINUOUS BARE COPPER GROUNDING WIRE SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.

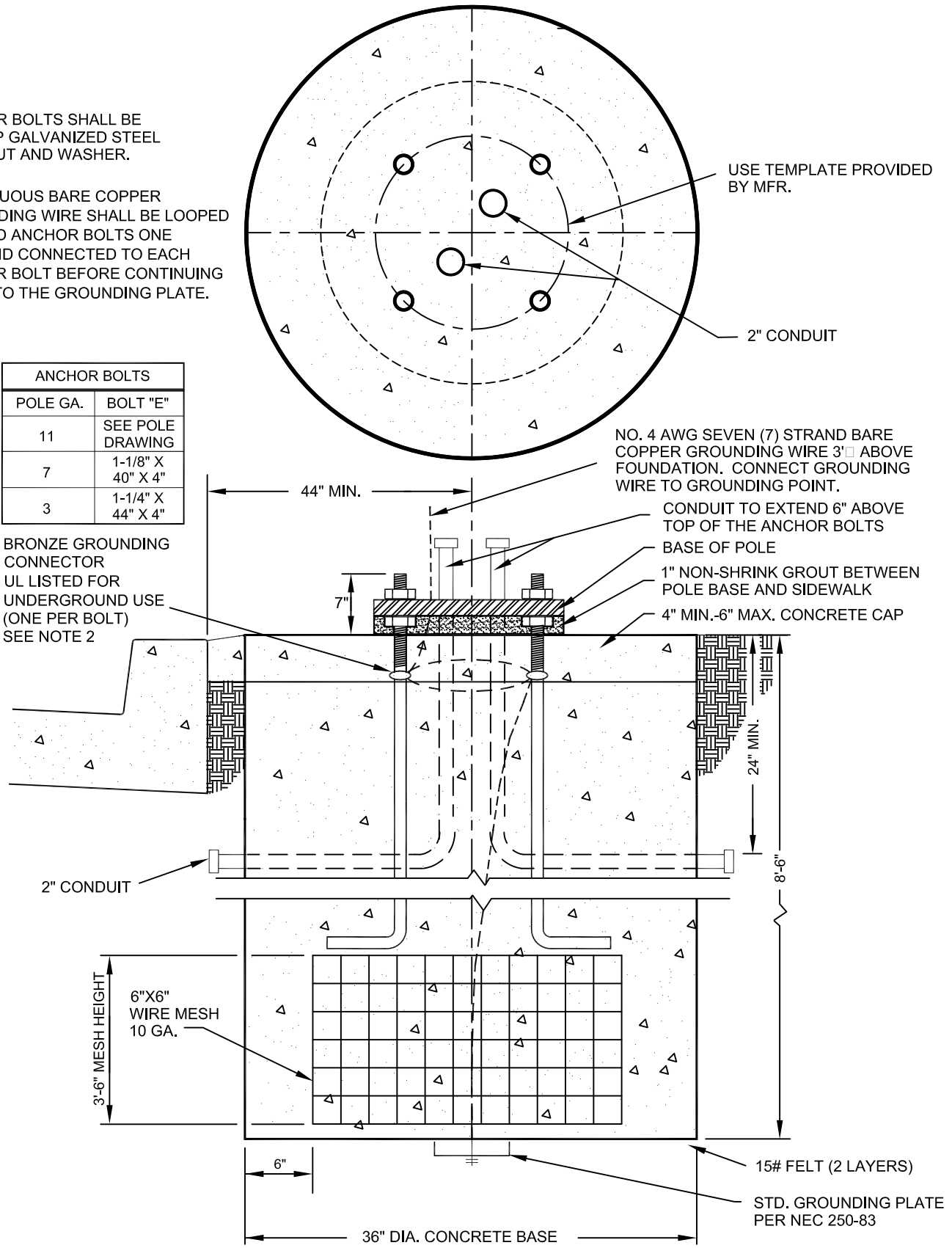
SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
623G.03.06 FOUNDATION			
623T.02.02 ANCHOR BOLT			
	TYPE "C" FOUNDATION		
	DATE 9-14-00	DWG. NO. 404.203	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTES:

1. ANCHOR BOLTS SHALL BE HOT-DIP GALVANIZED STEEL WITH NUT AND WASHER.
2. CONTINUOUS BARE COPPER GROUNDING WIRE SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.

ANCHOR BOLTS	
POLE GA.	BOLT "E"
11	SEE POLE DRAWING
7	1-1/8" X 40" X 4"
3	1-1/4" X 44" X 4"



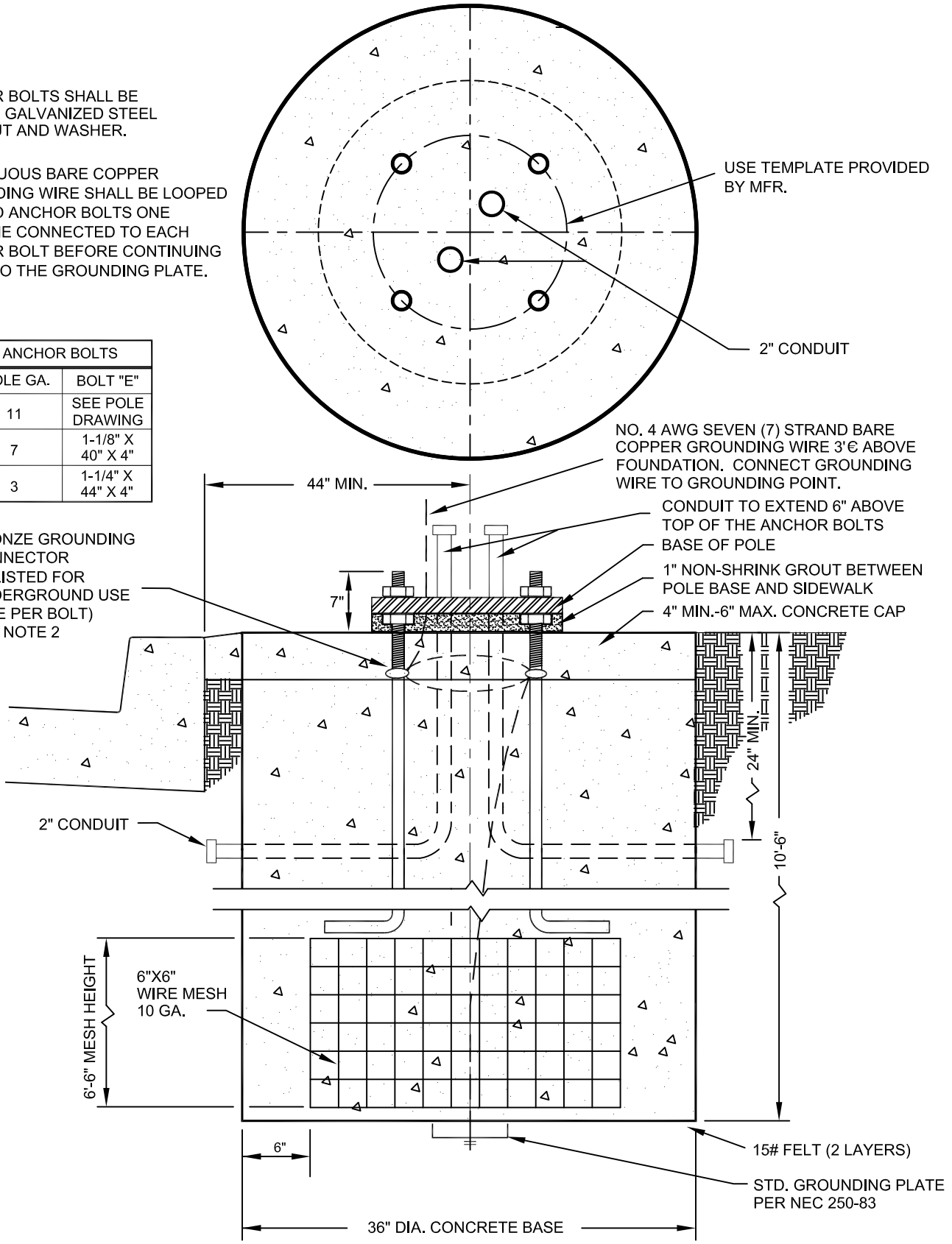
SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
623G.03.06 FOUNDATION	TYPE "E" FOUNDATION
	DATE 9-14-00 | DWG. NO. 404.205 | SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTES:

1. ANCHOR BOLTS SHALL BE HOT-DIP GALVANIZED STEEL WITH NUT AND WASHER.
2. CONTINUOUS BARE COPPER GROUNDING WIRE SHALL BE LOOPED AROUND ANCHOR BOLTS ONE ONE TIME CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.

ANCHOR BOLTS	
POLE GA.	BOLT "E"
11	SEE POLE DRAWING
7	1-1/8" X 40" X 4"
3	1-1/4" X 44" X 4"



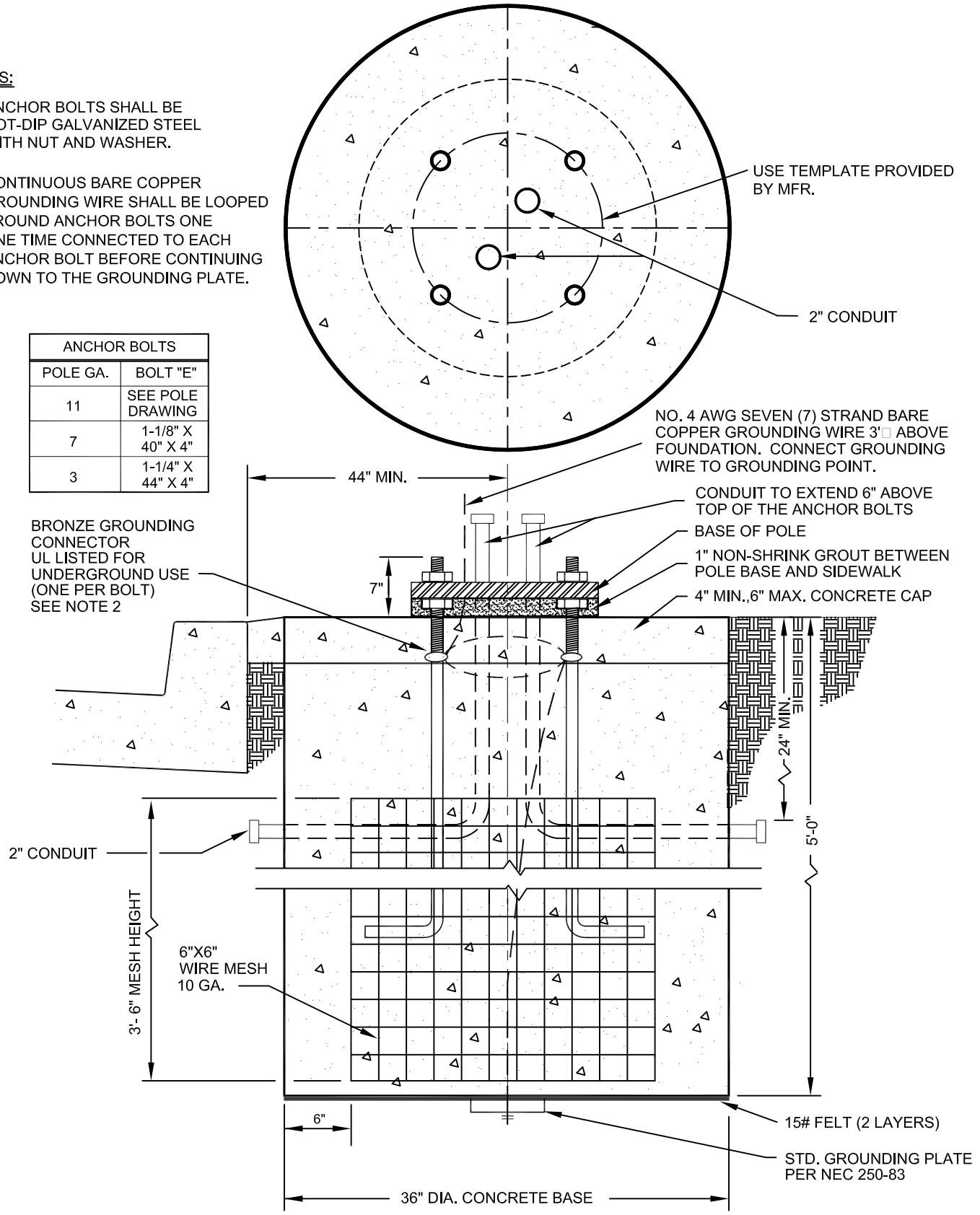
SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
623G.03.06 FOUNDATION	TYPE "F" FOUNDATION
	DATE 9-14-00 | DWG. NO. 404.206 | SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTES:

1. ANCHOR BOLTS SHALL BE HOT-DIP GALVANIZED STEEL WITH NUT AND WASHER.
2. CONTINUOUS BARE COPPER GROUNDING WIRE SHALL BE LOOPED AROUND ANCHOR BOLTS ONE ONE TIME CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.

ANCHOR BOLTS	
POLE GA.	BOLT "E"
11	SEE POLE DRAWING
7	1-1/8" X 40" X 4"
3	1-1/4" X 44" X 4"

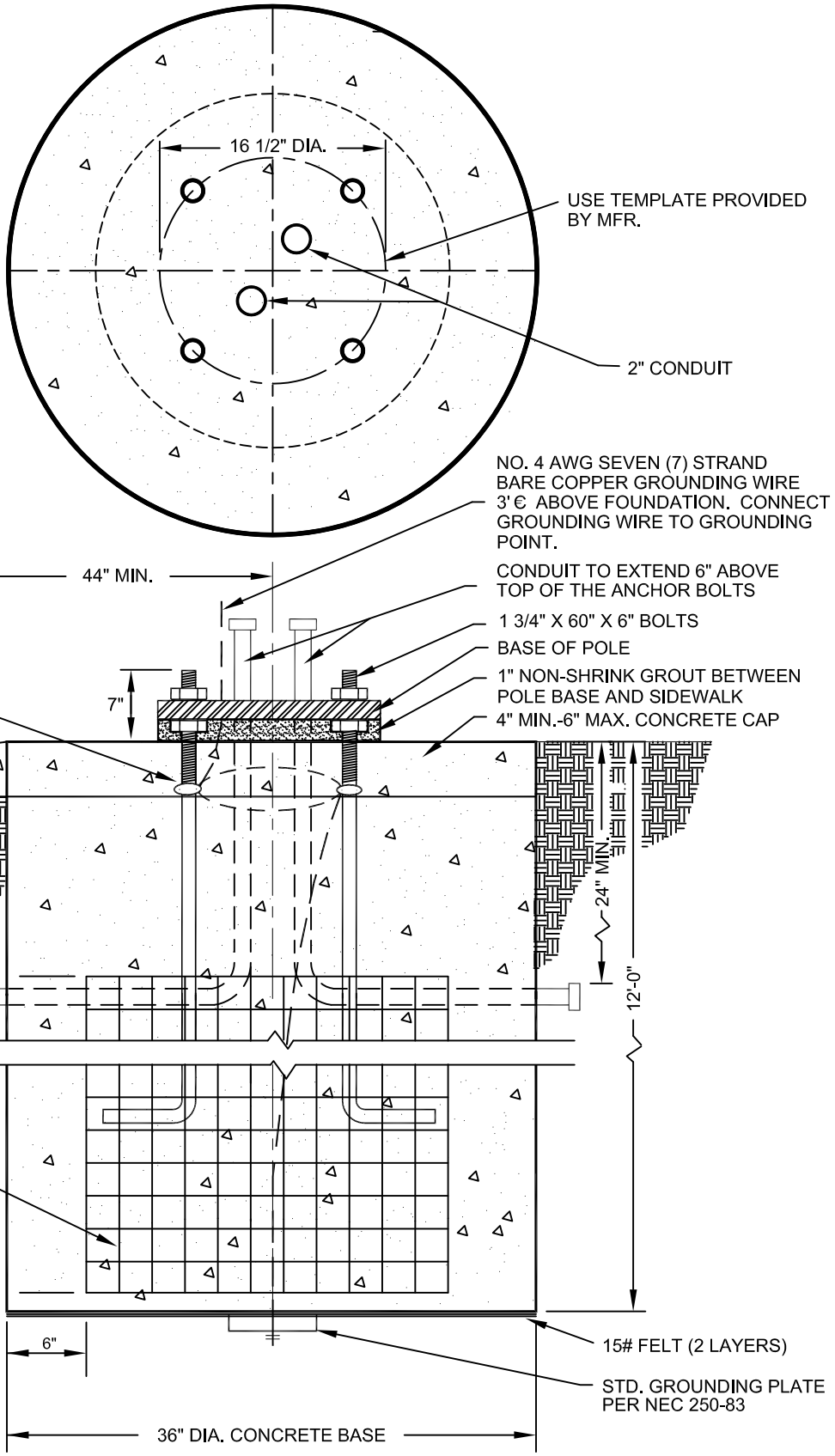


SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
623G.03.06 FOUNDATION	TYPE "G" FOUNDATION
DATE 9-14-00	DWG. NO. 404.207 SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTES:

1. ANCHOR BOLTS SHALL BE HOT-DIP GALVANIZED STEEL WITH NUT AND WASHER.
2. CONTINUOUS BARE COPPER GROUNDING WIRE SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.

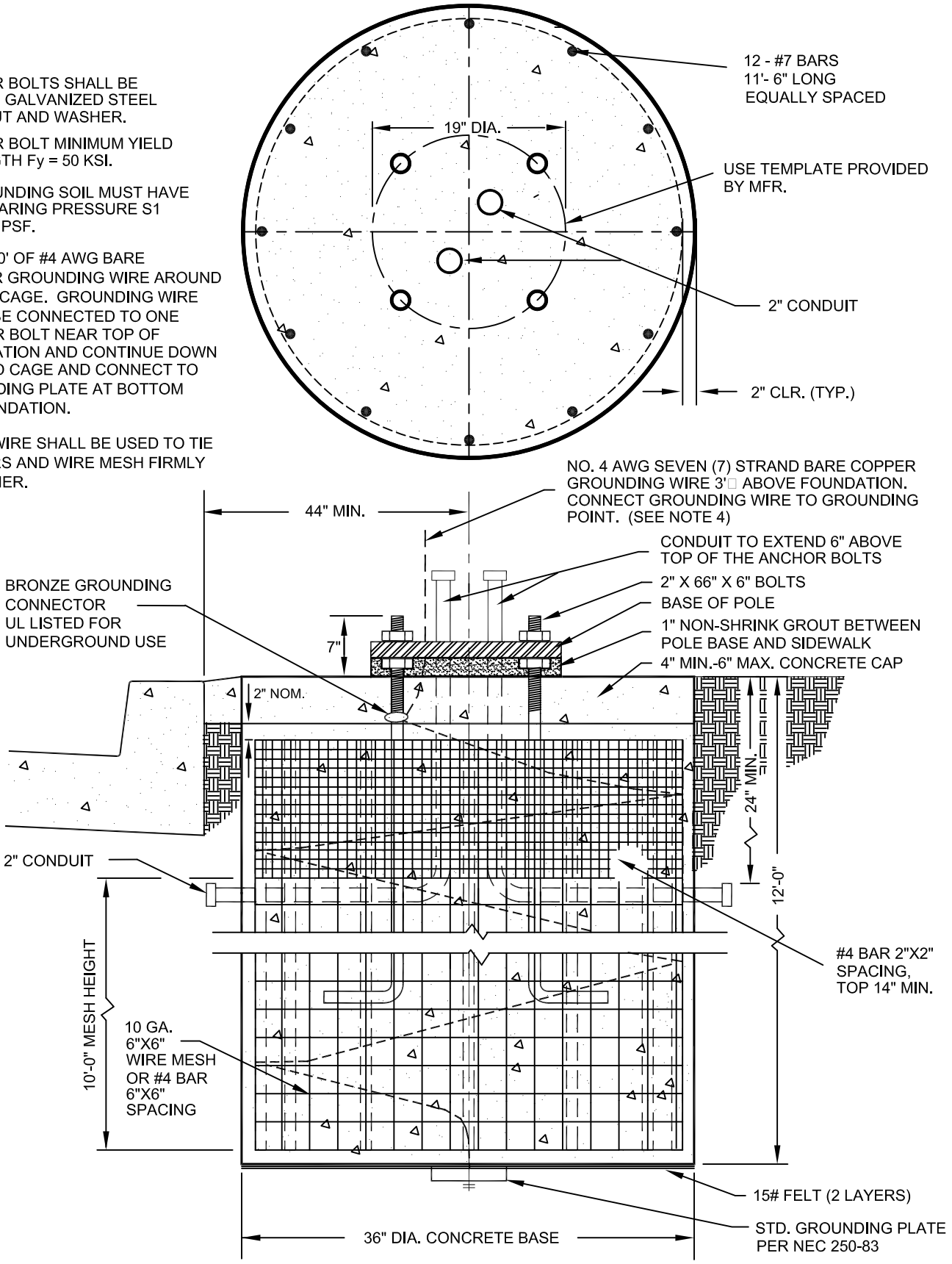


SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
623G.03.06 FOUNDATION	
	TYPE "H" FOUNDATION
DATE 9-14-00	DWG. NO. 404.208 | SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTES:

1. ANCHOR BOLTS SHALL BE HOT-DIP GALVANIZED STEEL WITH NUT AND WASHER.
2. ANCHOR BOLT MINIMUM YIELD STRENGTH Fy = 50 KSI.
3. SURROUNDING SOIL MUST HAVE SOIL-BEARING PRESSURE S1 OF 1500 PSF.
4. WRAP 20' OF #4 AWG BARE COPPER GROUNDING WIRE AROUND ENTIRE CAGE. GROUNDING WIRE SHALL BE CONNECTED TO ONE ANCHOR BOLT NEAR TOP OF FOUNDATION AND CONTINUE DOWN AROUND CAGE AND CONNECT TO GROUNDING PLATE AT BOTTOM OF FOUNDATION.
5. STEEL WIRE SHALL BE USED TO TIE ALL BARS AND WIRE MESH FIRMLY TOGETHER.

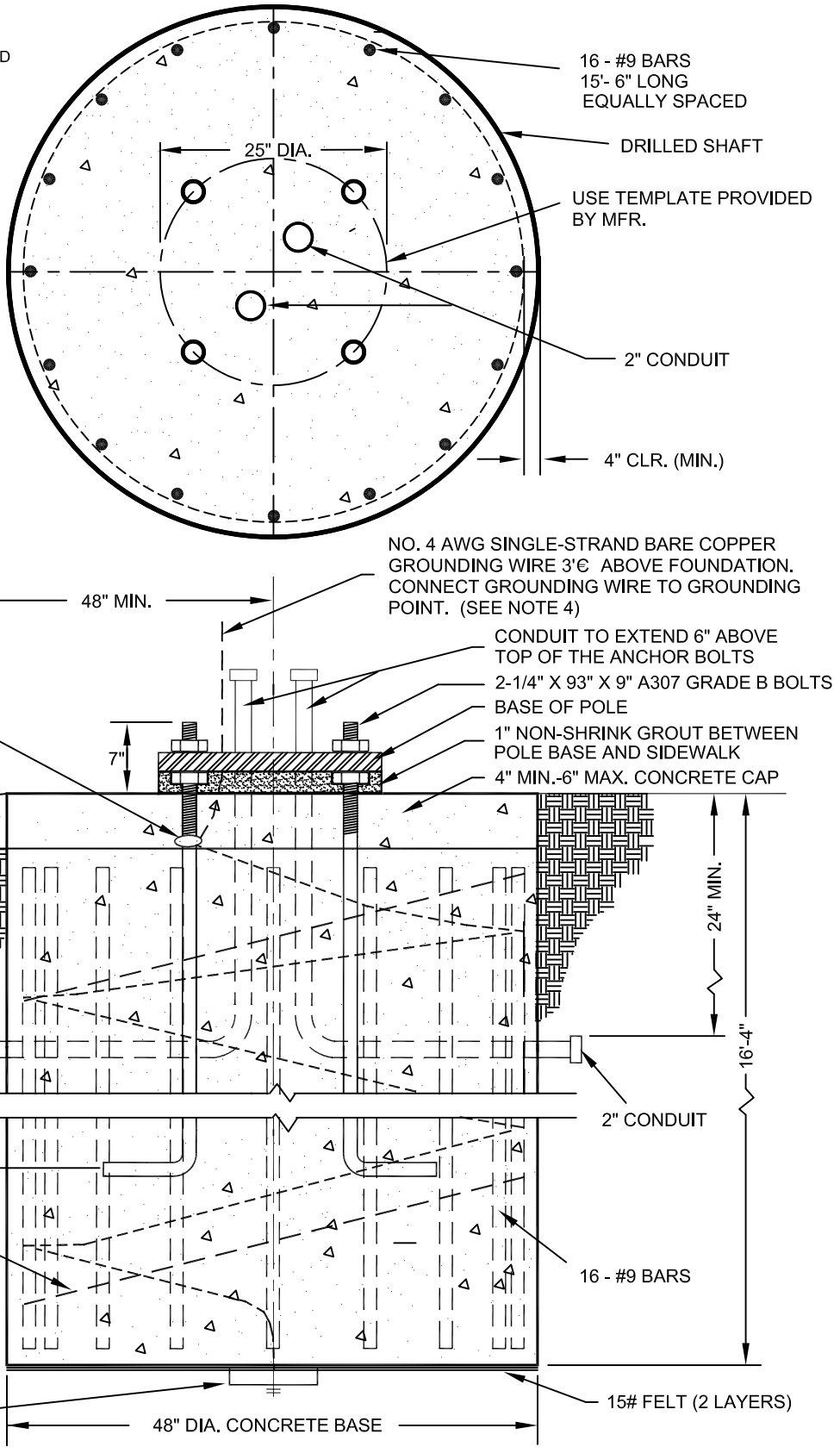


SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
623G.03.06 FOUNDATION	
	TYPE "L" FOUNDATION
DATE 9-14-00	DWG. NO. 404.209 SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTES:

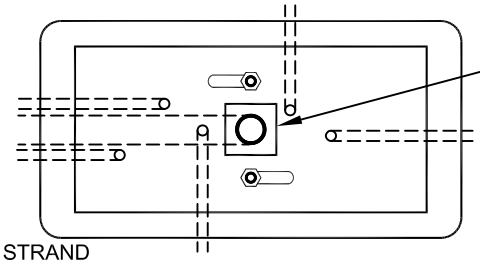
1. ANCHOR BOLTS SHALL BE HOT-DIP GALVANIZED STEEL WITH NUT AND WASHER.
2. WRAP 20' OF #4 AWG BARE COPPER GROUNDING WIRE AROUND ENTIRE CAGE. GROUNDING WIRE SHALL BE CONNECTED TO ONE ANCHOR BOLT NEAR TOP OF FOUNDATION AND CONTINUE DOWN AROUND CAGE AND CONNECT TO GROUNDING PLATE AT BOTTOM OF FOUNDATION.
3. STEEL WIRE SHALL BE USED TO TIE ALL BARS AND SPIRAL FIRMLY TOGETHER.
4. 28 DAY STRENGTH - 4000 PSI MIN. ALL REINFORCING STEEL SHALL BE ASTM A615 GR 60.
5. MAXIMUM ALLOWABLE OVERTURNING MOMENT IS 180 FT-KIPS.
6. MAXIMUM ALLOWABLE TORSION IS 220 FT-KIPS.
7. THE FOUNDATION DESIGN SHOWN ASSUMES A NON-COHESIVE SOIL WITH A MINIMUM INTERNAL FRICTION ANGLE OF 30 DEGREES. IF ACTUAL SOIL CONDITIONS ARE LESSER QUALITY, THE FOUNDATION SHOULD BE DESIGNED FOR THE SPECIFIC SITE CONDITIONS.



FOR TYPE XX-B SIGNAL AND LUMINAIRE POLES, SEE STANDARD DRAWING NOS. 404.406, 404.407 AND 404.409.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
623G.03.06 FOUNDATION	
	TYPE "M" FOUNDATION
DATE 10-10-02	DWG. NO. 404.210 SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

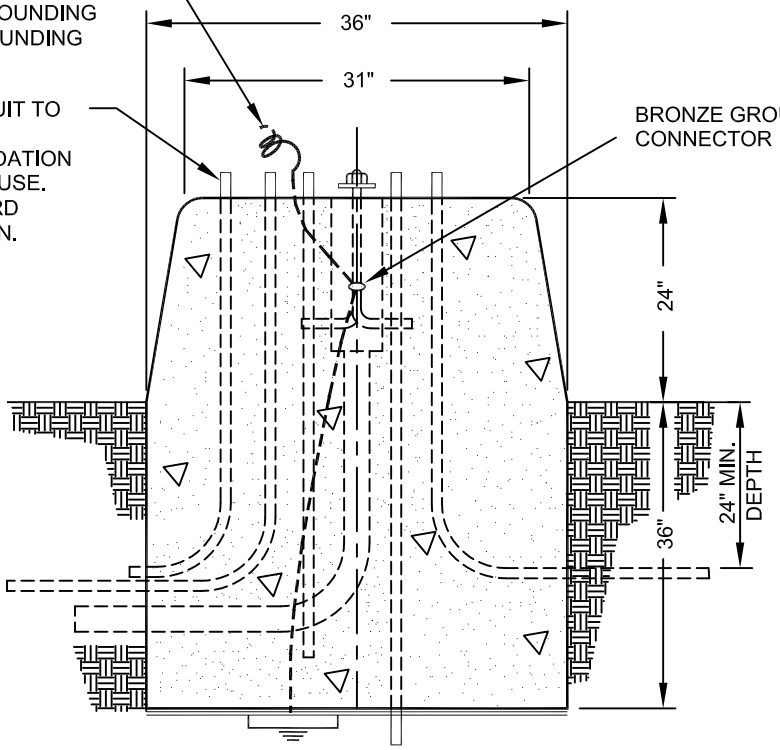


8" X 8" HOLLOW CORE. DEPTH VARIES. USE AROUND EXISTING PIPE PEDESTAL WHEN APPLICABLE.

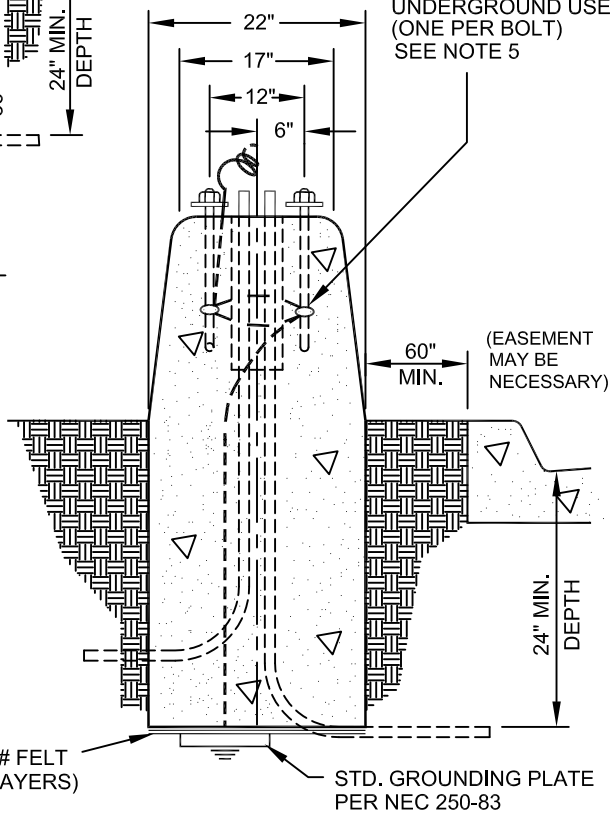
6' OF #4 AWG SEVEN (7) STRAND BARE COPPER GROUNDING WIRE ABOVE FOUNDATION CONNECT GROUNDING WIRE TO GROUNDING POINT.

2" PVC CONDUIT TO BE ADDED IN EVERY FOUNDATION FOR FUTURE USE. POINT TOWARD INTERSECTION.

BRONZE GROUNDING CONNECTOR



BRONZE GROUNDING CONNECTOR UL LISTED FOR UNDERGROUND USE (ONE PER BOLT) SEE NOTE 5

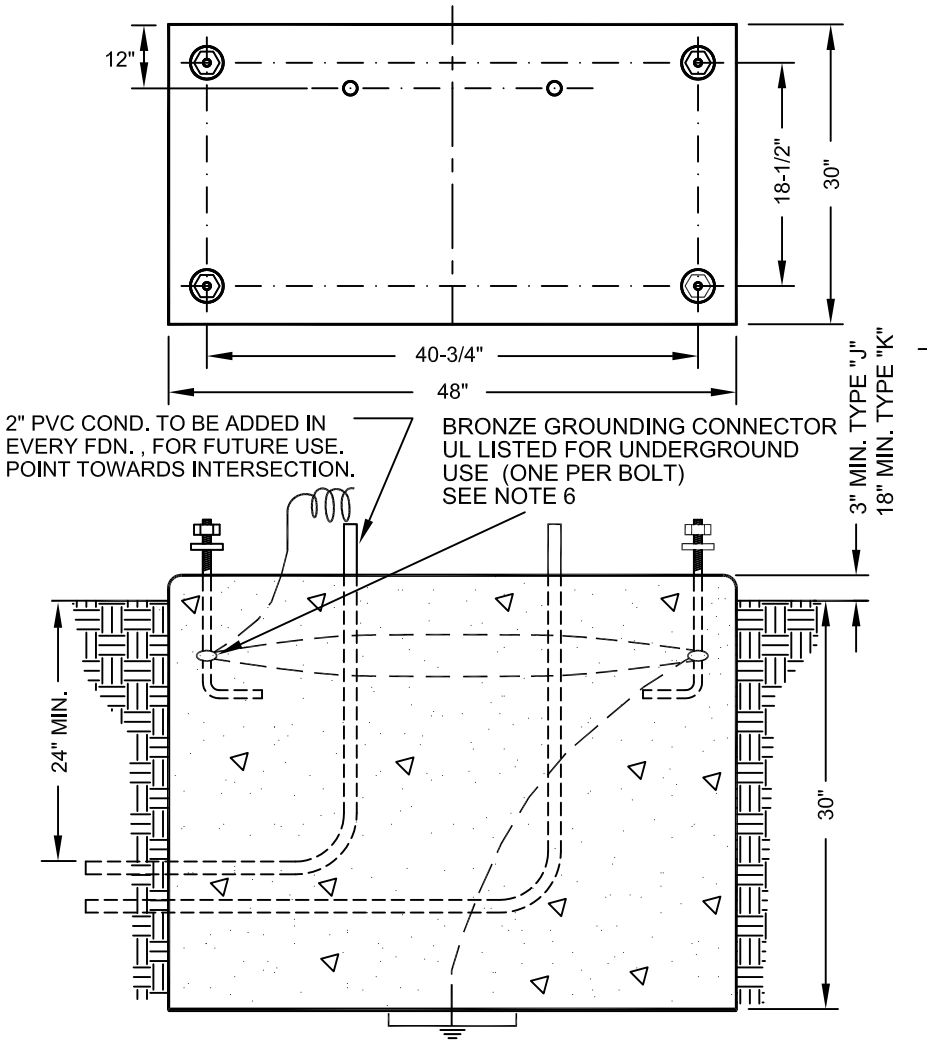


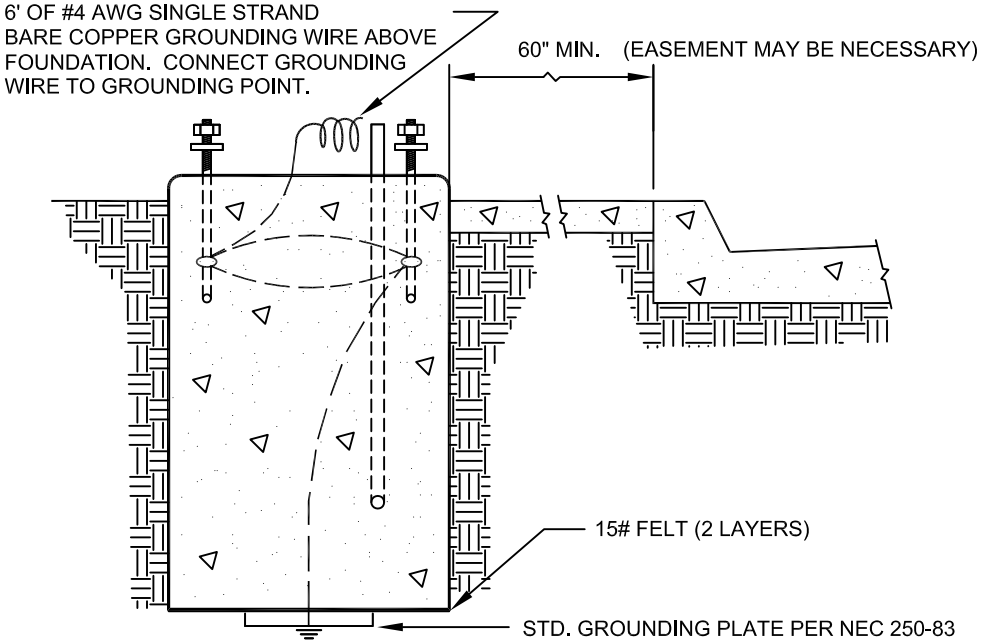
NOTES:

1. FOR CONDUIT SIZE, LOCATION AND QUANTITY, SEE PLANS.
2. ANCHOR BOLTS 3/4" X 18" X 3" SHALL BE HOT-DIP GALVANIZED COMMERCIAL GRADE STEEL WITH NUT AND WASHER.
3. ANCHOR BOLT PROJECTION ABOVE FOUNDATION SHALL BE 3-1/2" MIN., 4-1/2" MAX.
4. CONDUIT PROJECTION ABOVE FOUNDATION SHALL BE 2" MIN., 4" MAX.
5. CONTINUOUS BARE COPPER GROUNDING WIRE SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA			
		TYPE "I" FOUNDATION			
		DATE 9-14-00	DWG. NO. 404.211	SHEET 1 OF 1	

Effective 07/01/09 - 12/30/09





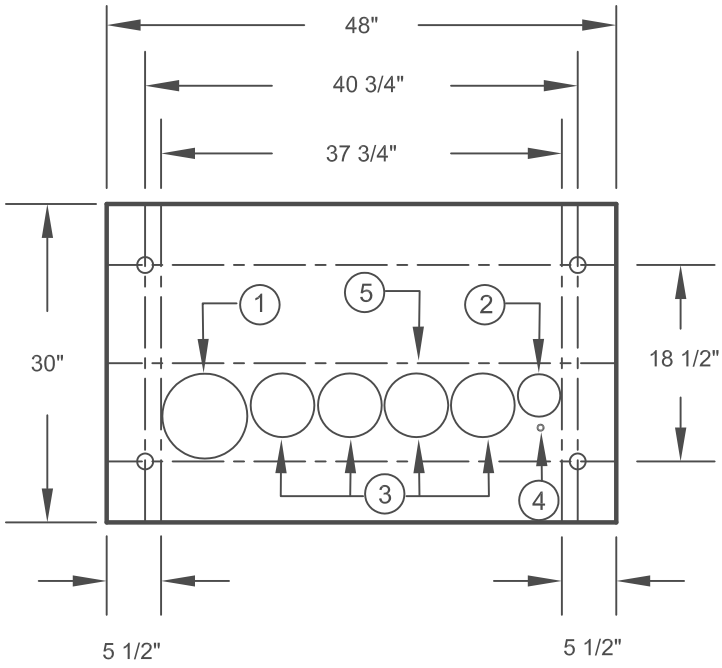
NOTES:

1. FOR CONDUIT SIZE, LOCATION, AND QUANTITY SEE PLANS REFER TO CONDUIT LAYOUT DRAWING # 404.213A FOR DETAILS.
2. 3/4" X 18" X 3" HOT-DIP GALVANIZED ANCHOR BOLTS. LOCATE WITH TEMPLATE.
3. ANCHOR BOLT PROJECTION ABOVE FOUNDATION SHALL BE 3-1/2" MIN. , 4-1/2" MAX.
4. CONDUIT PROJECTION ABOVE FOUNDATION SHALL BE 1" MIN. , 4" MAX.
5. LOCATION OF FOUNDATION MUST BE APPROVED BY ENGINEER IN FIELD.
6. CONTINUOUS BARE COPPER GROUNDING WIRE SHALL BE CONNECTED TO EACH ANCHOR BOLT WITH BRONZE GROUNDING CONNECTOR BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
	TYPE "J" & "K" FOUNDATIONS
	DATE : 10-9-08 | DWG. NO. 404.213 | SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

BACK



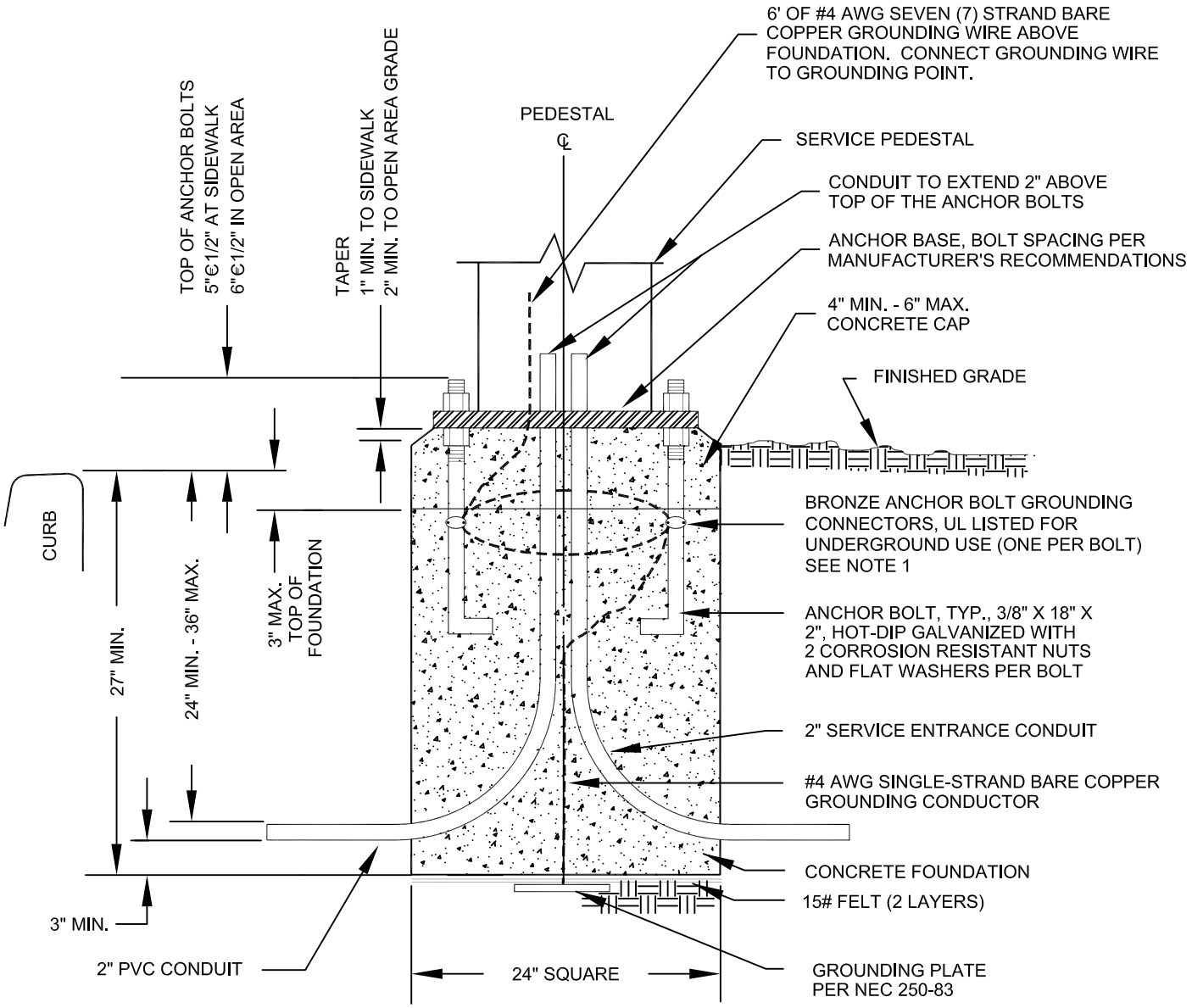
FRONT / DOOR SIDE
STREET SIDE

NOTES :

1. 3" OR 4" FIBER OR INTERCONNECT FROM TYPE 200 OR P-30 PULL BOX. REFER TO PLANS FOR INTERCONNECT/FIBER CONDUIT SIZE.
2. 2" CONDUIT FROM SERVICE PEDESTAL.
3. 3" CONDUITS FROM #7 TRAFFIC SIGNAL PULL BOX FOR SIGNAL POLES.
4. #4 SINGLE STRAND BARE COPPER WIRE SEE DRAWING 404.213 FOR DETAILS.
5. INSTALL CONDUITS 1" FRONT OF CENTER LINE.
6. REFER TO PLANS FOR ANY ADDITIONAL CONDUITS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		CABINET CONDUIT LAYOUT TYPE "J" & "K" FOUNDATIONS		
		DATE : 10-9-08	DWG. NO. 404.213A	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



NOTES:

1. BARE COPPER GROUNDING CONDUCTOR SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.
2. CABINET COVERS SHALL BE PARALLEL WITH CURB.
3. IN AREAS WHERE R/W PERMITS, THE CONCRETE BASE SHALL BE PLACED AT AT THE BACK EDGE OF THE SIDEWALK.
4. CABINET COVERS SHALL OPEN TOWARDS THE STREET WHEN CABINETS ARE LOCATED AT BACK OF WALK. CABINET COVERS SHALL OPEN PARALLEL TO THE SIDEWALK FACING THE DIRECTION OF TRAFFIC WHEN LOCATED WITHIN THE SIDEWALK.

SPECIFICATION REFERENCE	
501	PORTLAND CEMENT CONCRETE
623	TRAFFIC SIGNALS & STREETLIGHTING

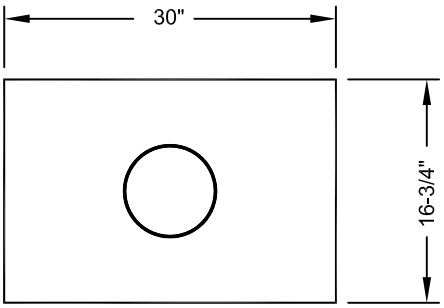
UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

SERVICE PEDESTAL FOUNDATION

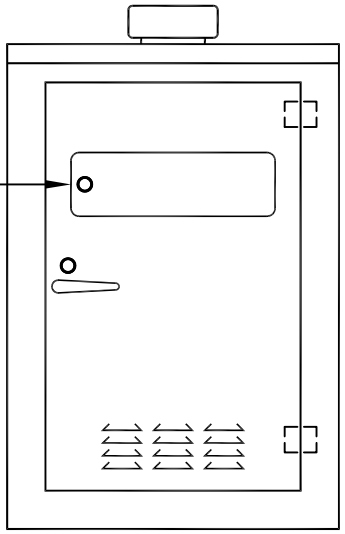
DATE	9-14-00	DWG. NO.	404.214	SHEET	1 OF 1

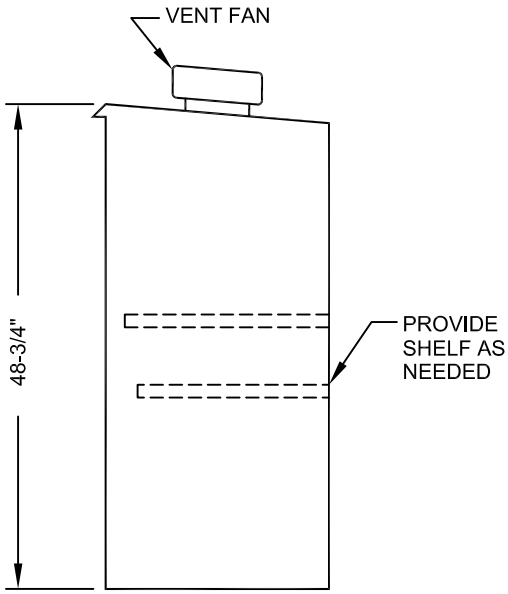
Effective 07/01/09 - 12/30/09

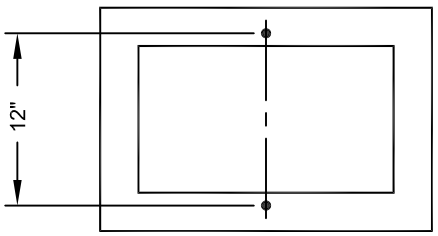
MOTOR: 1/125 HP-
3000 RPM NEMA CLASS
B INS. 0.65 AMPS AT
115 VAC.



VENT FAN SPECIFICATION:
134 C.F.M. RATING AT .160"
OF WATER STATIC PRESSURE.







PLAN AT BASE

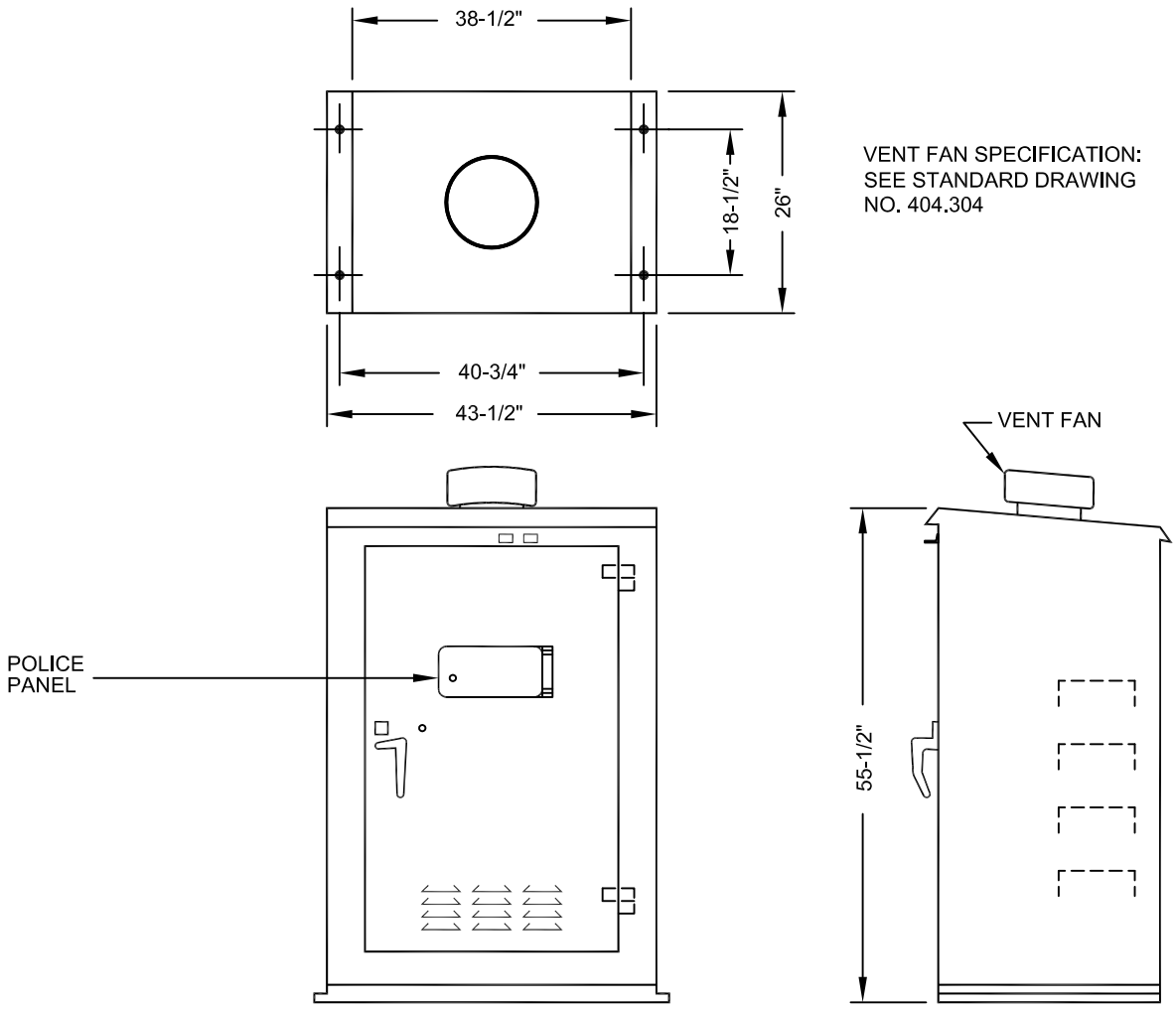
"M" CABINET

NOTES:

1. MATERIAL - 14 GA. SHEET STEEL, OR ALUMINUM EQUIVALENT.
2. PAINT OUTSIDE TWO COATS AND INSIDE TWO COATS WHITE ENAMEL OR AS APPROPRIATE.
3. DOOR SHALL LOCK AT THREE POINTS.
4. FOR FOUNDATION DETAILS AND ANCHOR BOLT LOCATION SEE DRAWING NO. 404.211.
5. INCLUDE 3/4" x 18" x 3" HOT-DIP GALVANIZED ANCHOR BOLTS WITH EACH CABINET.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TYPE V CABINET		
		DATE 12-12-96	DWG. NO. 404.304	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



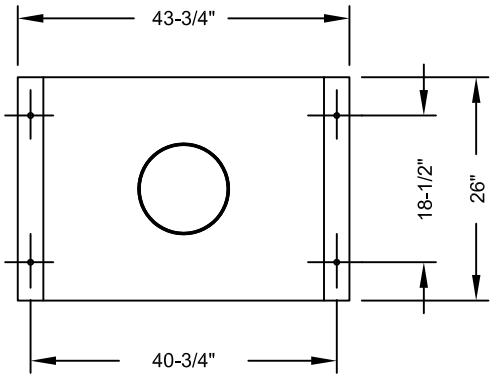
"P" CABINET

NOTES:

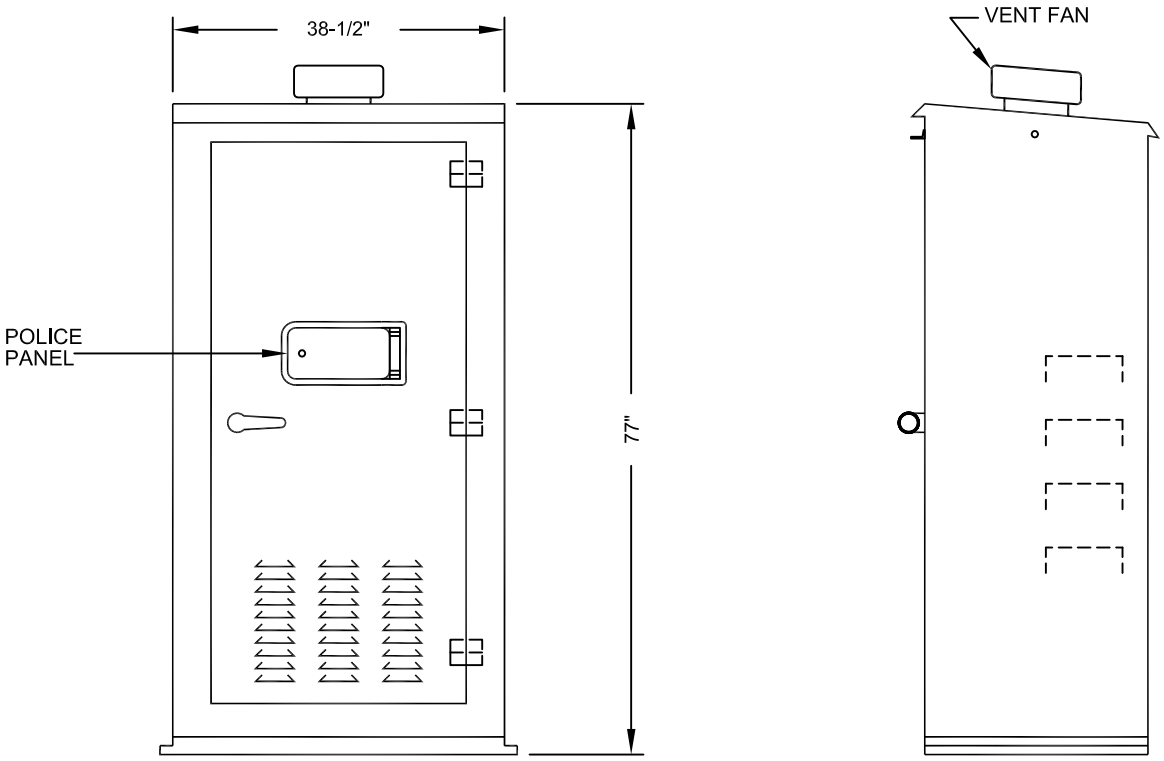
1. MATERIAL - 14 GA. SHEET STEEL, OR ALUMINUM EQUIVALENT.
2. PAINT OUTSIDE TWO COATS AND INSIDE TWO COATS WHITE ENAMEL OR AS APPROPRIATE.
3. SHELVES SHALL BE REMOVABLE AND ADJUSTABLE FOR VERTICAL SPACING.
4. DOOR SHALL LOCK AT THREE POINTS.
5. FOR FOUNDATION DETAILS AND ANCHOR BOLT LOCATION SEE DRAWING NO. 404.213.
6. INCLUDE 3/4" x 18" x 3" HOT-DIP GALVANIZED ANCHOR BOLTS WITH EACH CABINET.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TYPE VI CABINET		
		DATE 12-12-96	DWG. NO. 404.305	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



VENT FAN SPECIFICATION:
SEE STANDARD DRAWING
NO. 404.304



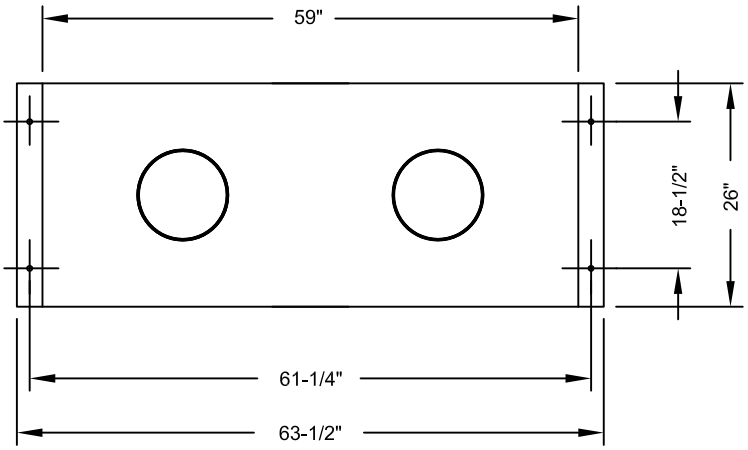
"R" CABINET

NOTES:

1. MATERIAL = 14 GA. SHEET STEEL, OR ALUMINUM EQUIVALENT.
2. PAINT OUTSIDE TWO COATS AND INSIDE TWO COATS WHITE ENAMEL OR AS APPROPRIATE.
3. FOR FOUNDATION DETAILS AND ANCHOR BOLT LOCATION SEE DRAWING NO. 404.213.
4. INCLUDE 3/4" x 18" x 3" HOT-DIP GALVANIZED ANCHOR BOLTS WITH EACH CABINET.

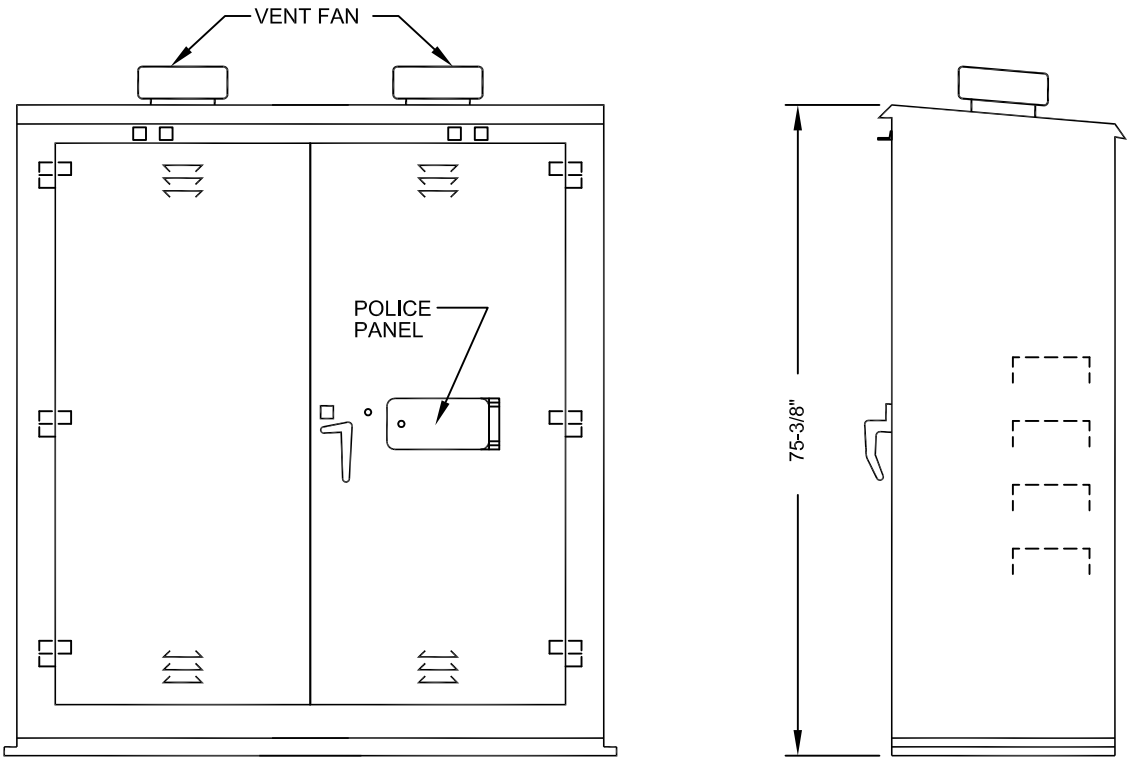
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TYPE VIII CABINET		
		DATE 12-12-96	DWG. NO. 404.307	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



VENT FAN SPECIFICATION:

SEE STANDARD DRAWING
NO. 404.304



"RR" CABINET

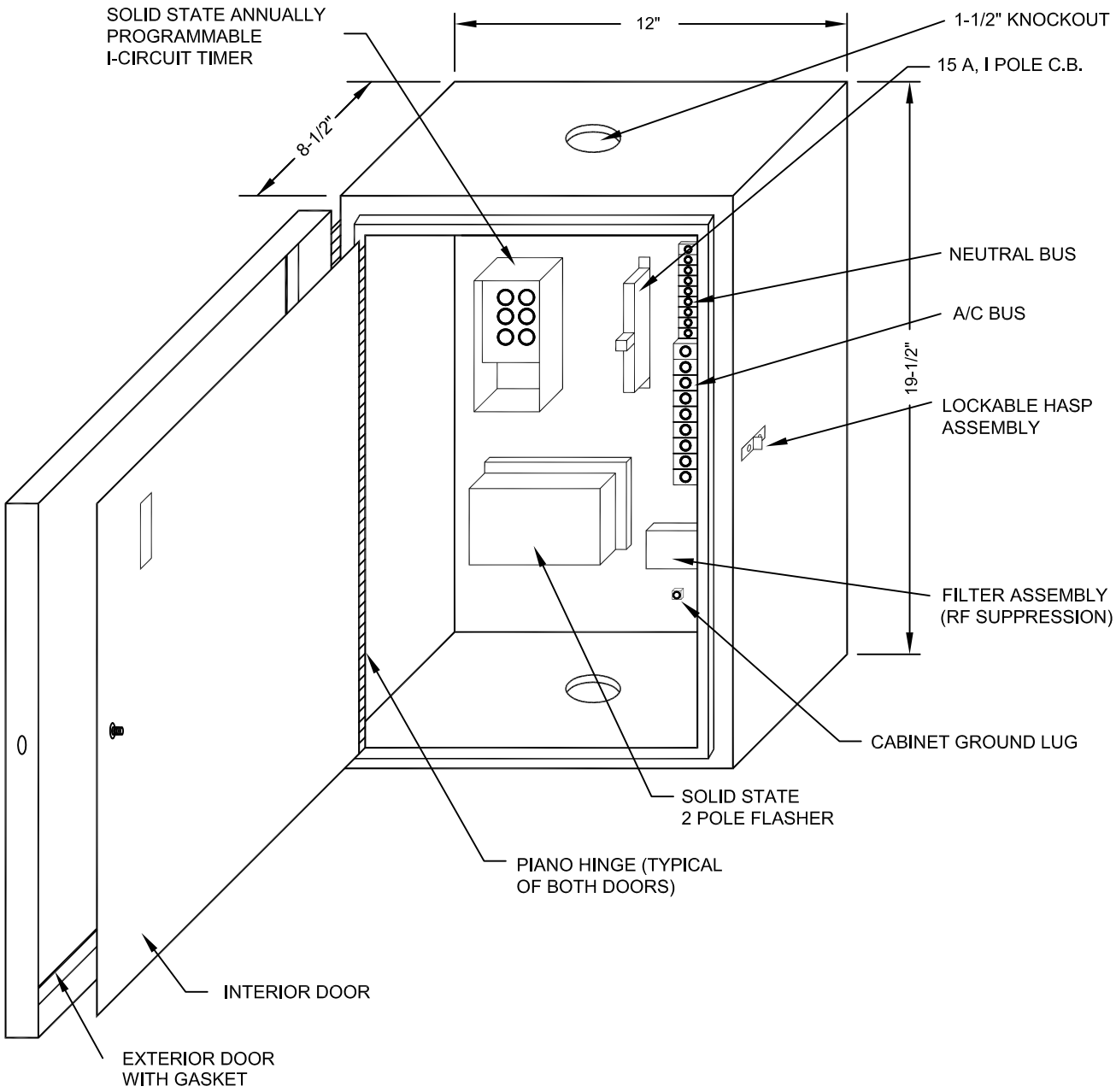
NOTES:

1. MATERIAL - 14 GA. SHEET STEEL, OR ALUMINUM EQUIVALENT.
2. PAINT OUTSIDE TWO COATS AND INSIDE TWO COATS WHITE ENAMEL OR AS APPROPRIATE.
3. FOUNDATION DETAILS SHALL BE SPECIFIED ON THE SIGNAL CONSTRUCTION PLANS.
4. INCLUDE 3/4" x 18" x 3" HOT-DIP GALVANIZED ANCHOR BOLTS WITH EACH CABINET.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
	TYPE IX CABINET
	DATE 12-12-96 | DWG. NO. 404.308 | SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

FLASHING BEACON
CONTROLLER CABINET



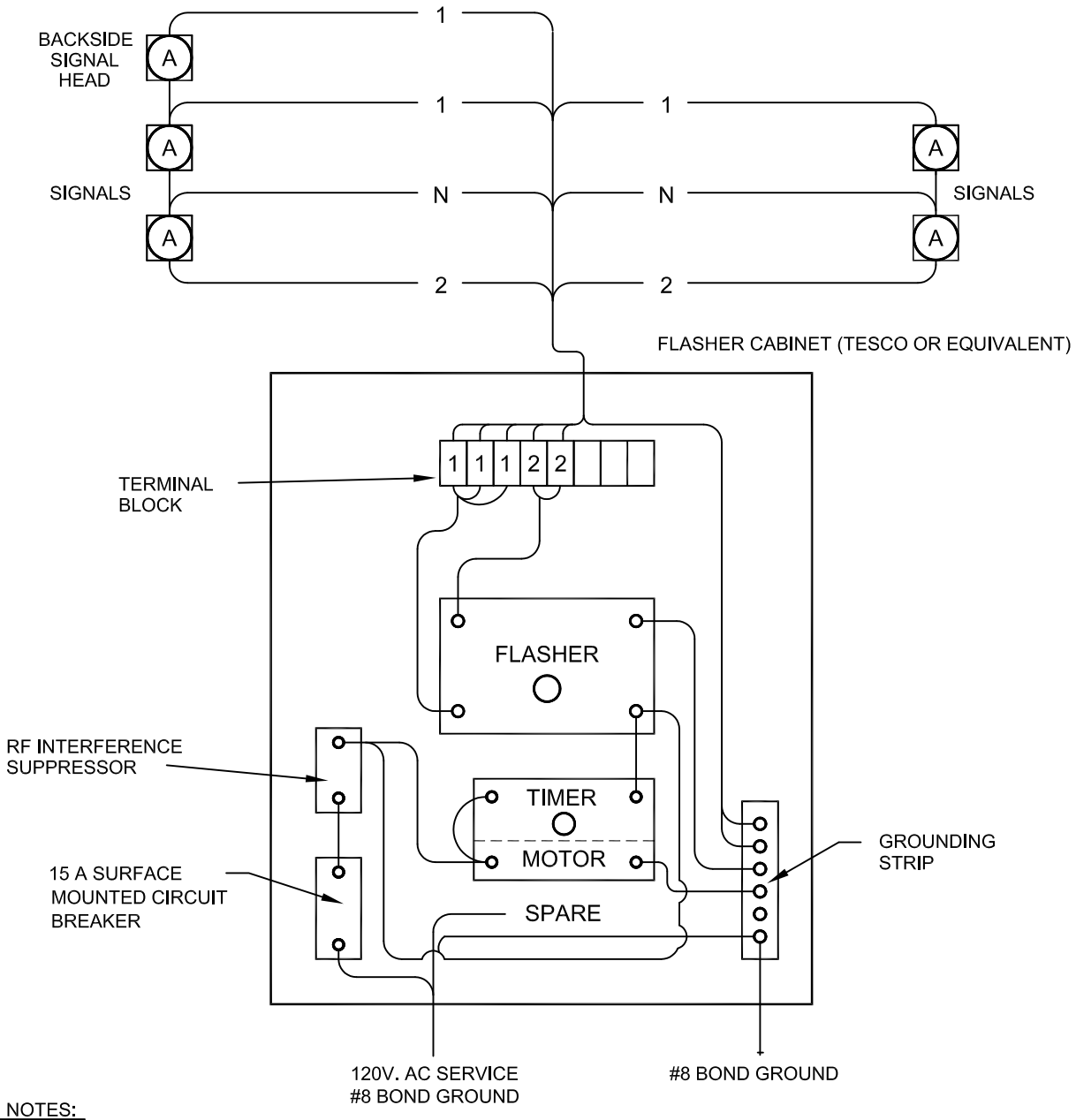
NOTES:

1. CONSTRUCT FROM MINIMUM 12-GUAGE STEEL.
2. THE TIMER SHALL BE RTC-AP21 OR EQUIVALENT.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		FLASHING BEACON CONTROLLER CABINET		
		DATE 12-12-96	DWG. NO. 404.309	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

WIRING DIAGRAM FOR FLASHING BEACON
TIMER CONTROLLED OPERATION

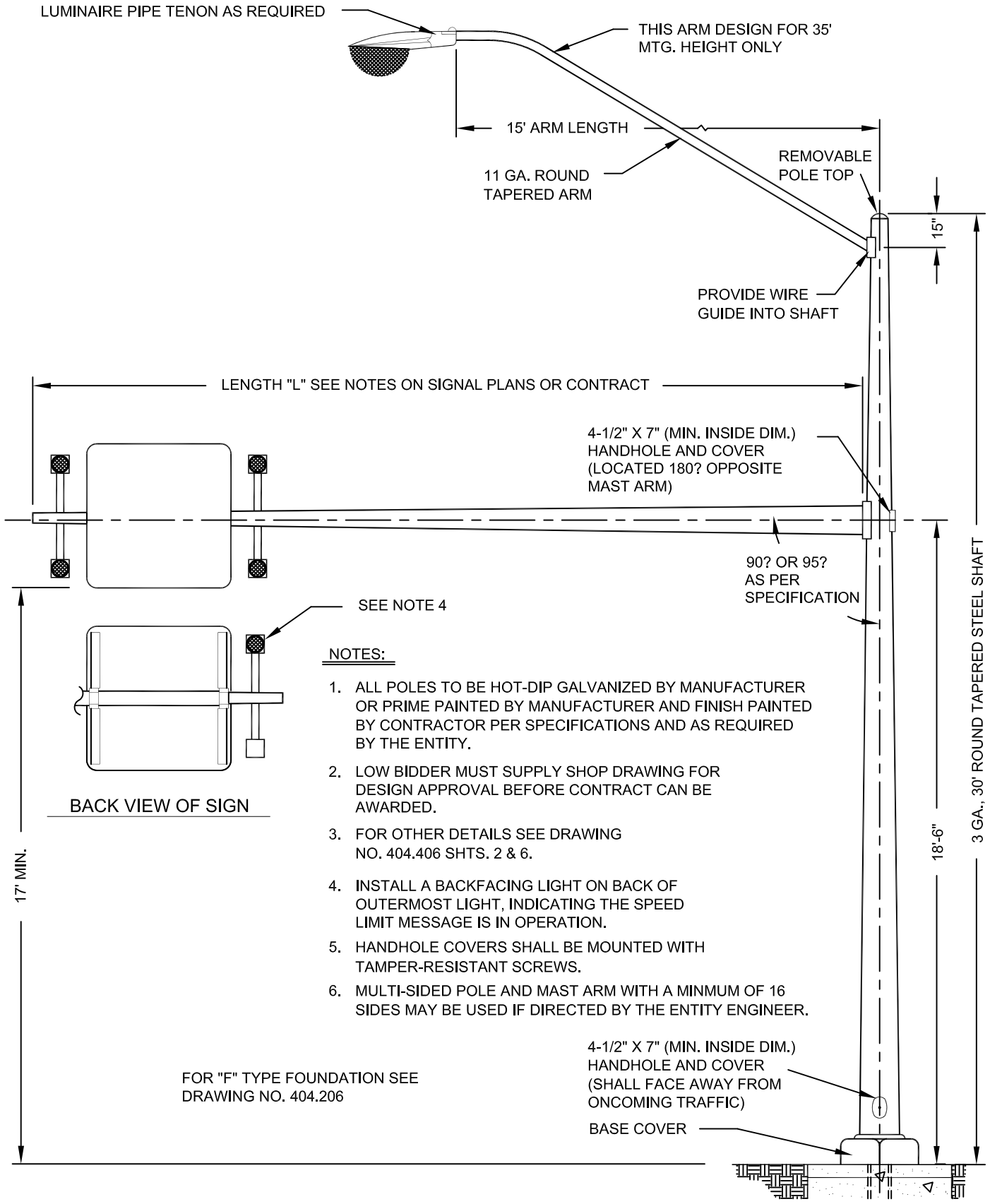


NOTES:

1. ALL WIRING INSIDE THE CABINET SHALL BE #14 THW.
2. ALL FIELD WIRE TO THE SIGNAL SHALL BE #14 SOLID COPPER.
3. THE SERVICE WIRE SHALL BE 2-#4 THW & 1-#6 THW.
   PROVIDE #10 PIGTAIL FOR CONNECTION TO BREAKER.
4. THE TIMER SHALL BE RTC-AP21 OR EQUIVALENT.
5. TWO POLE SOLID STATE FLASHER.
6. THERE SHALL BE A 1" MINIMUM CLEARANCE BETWEEN INDIVIDUAL COMPONENTS.
7. ALL SERVICE POINTS SHALL BE AS FOR STREET LIGHTING.
8. FLASHING PATTERN OF LIGHTS TO BE SPECIFIED BY THE ENTITY.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		WIRING DIAGRAM FOR FLASHING BEACON TIMER CONTROLLED OPERATION		
		DATE 12-12-96	DWG. NO. 404.310	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



NOTES:

1. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
2. LOW BIDDER MUST SUPPLY SHOP DRAWING FOR DESIGN APPROVAL BEFORE CONTRACT CAN BE AWARDED.
3. FOR OTHER DETAILS SEE DRAWING NO. 404.406 SHTS. 2 & 6.
4. INSTALL A BACKFACING LIGHT ON BACK OF OUTERMOST LIGHT, INDICATING THE SPEED LIMIT MESSAGE IS IN OPERATION.
5. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.
6. MULTI-SIDED POLE AND MAST ARM WITH A MINMUM OF 16 SIDES MAY BE USED IF DIRECTED BY THE ENTITY ENGINEER.

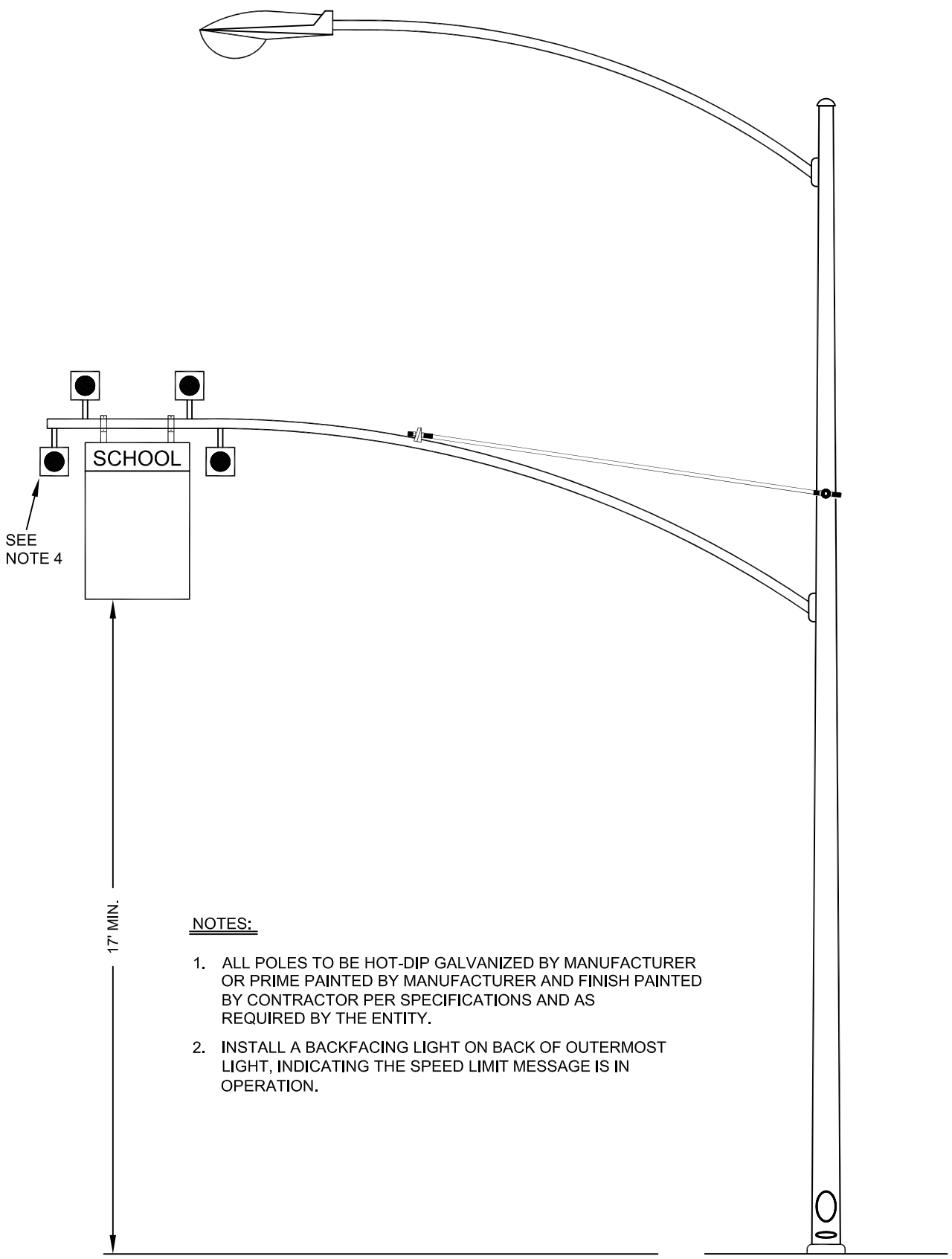
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

SCHOOL FLASHING SIGN ON POLE WITH LUMINAIRE

DATE	9-14-06	DWG. NO.	404.400	SHEET	1 OF 2

Effective 07/01/09 - 12/30/09

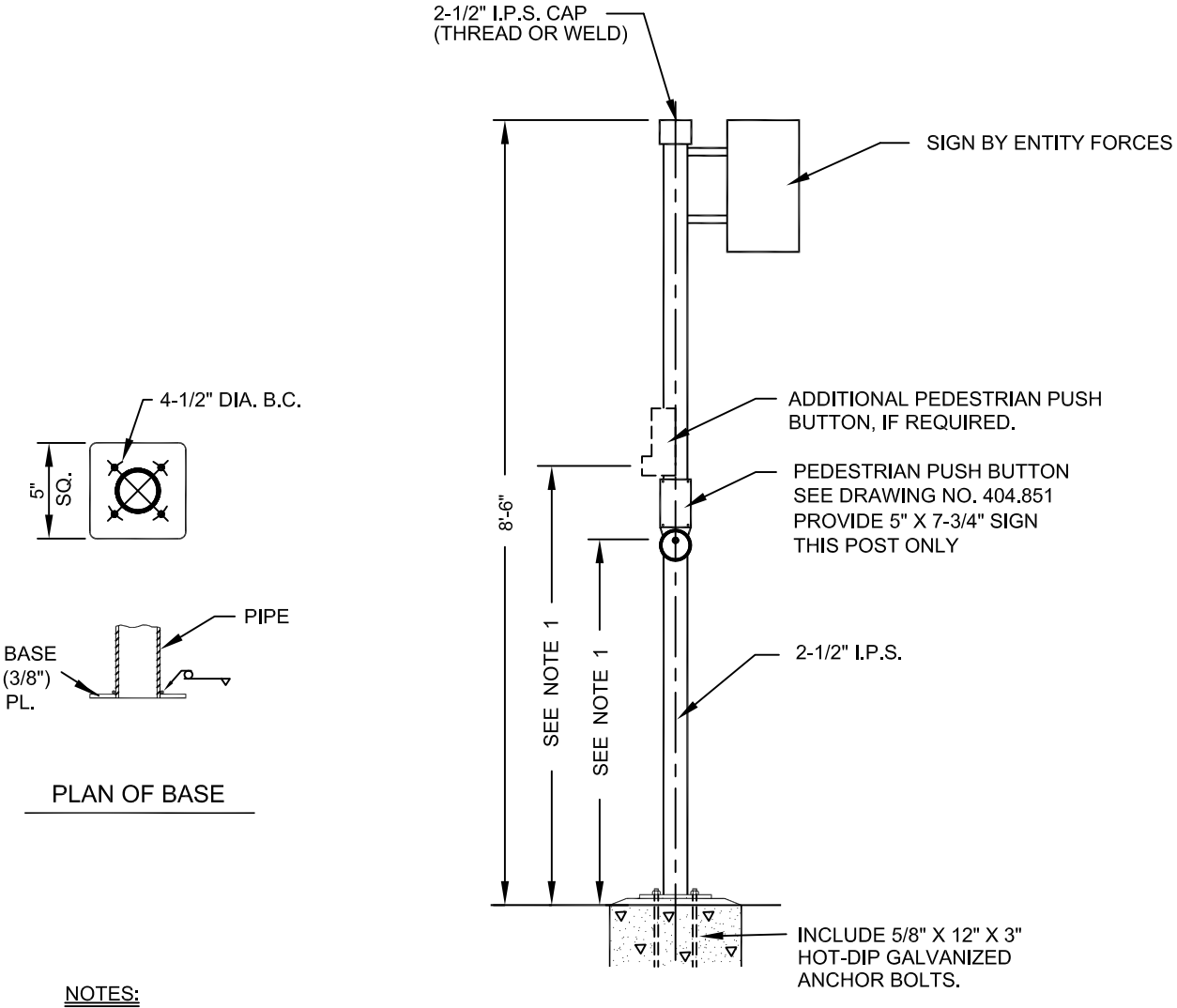


NOTES:

1. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
2. INSTALL A BACKFACING LIGHT ON BACK OF OUTERMOST LIGHT, INDICATING THE SPEED LIMIT MESSAGE IS IN OPERATION.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA			
		SCHOOL FLASHING SIGN ON TYPE-III POLE			
		DATE 12-12-96	DWG. NO. 404.400	SHEET	2 OF 2

Effective 07/01/09 - 12/30/09



NOTES:

1. PEDESTRIAN PUSH BUTTON SHALL NOT BE LOCATED MORE THAN 24" FROM THE BACK OF WALK. IF DISTANCE FROM BACK OF WALK TO PUSH BUTTON IS 20" TO 24", THE BUTTON SHALL BE LOCATED AT A MAXIMUM HEIGHT OF 44" FROM THE SURFACE OF THE WALK; OTHERWISE, THE MAXIMUM HEIGHT SHALL BE 48".
2. THE FORCE REQUIRED TO ACTIVATE CONTROL SHALL BE NO GREATER THAN 5 LB.
3. POST SHALL BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.

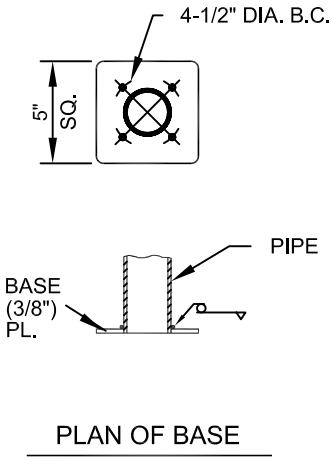
FOR TYPE "A" FOUNDATION SEE DRAWING NO. 404.201

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		PEDESTRIAN PUSH BUTTON POST FOR SPECIAL SIGN (8'-6" HIGH)		
		DATE 12-12-96	DWG. NO. 404.401	SHEET 1 OF 2

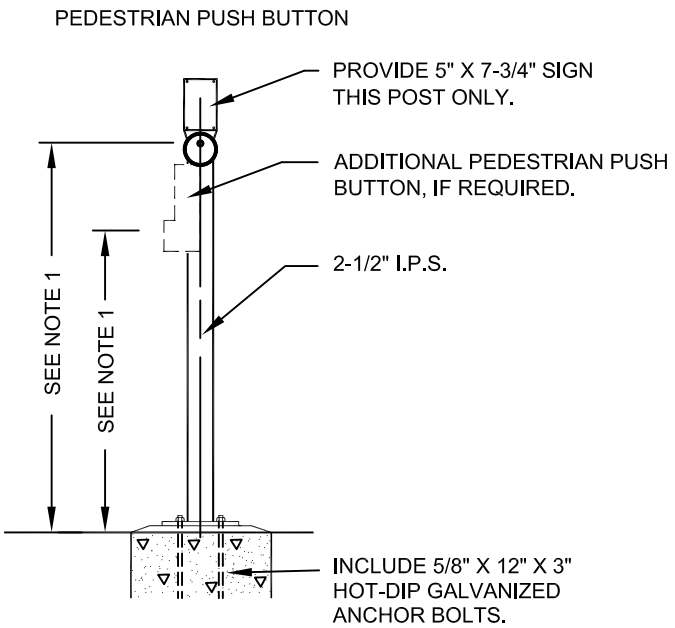
Effective 07/01/09 - 12/30/09



PEDESTRIAN PUSHBUTTON
FOR 2 1/2" POSTTOP MOUNTING



PLAN OF BASE



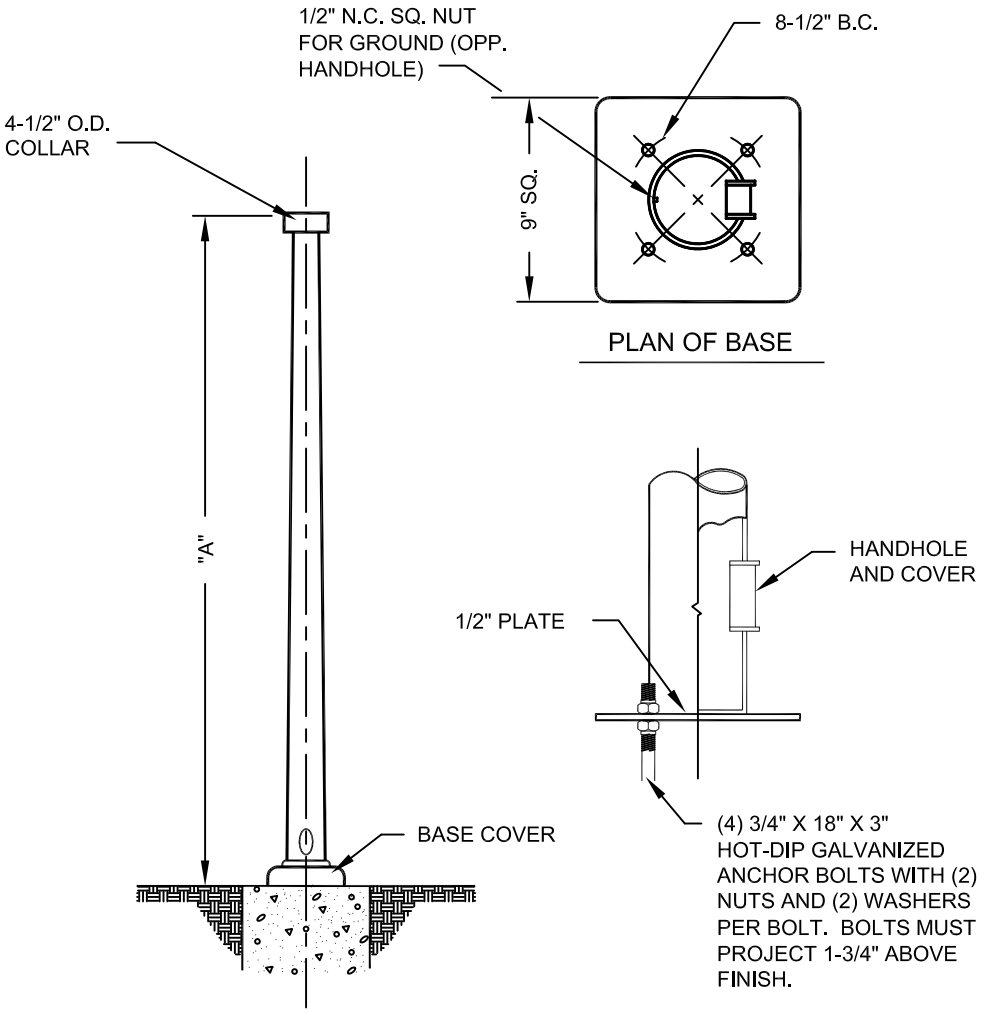
NOTES:

1. PEDESTRIAN PUSH BUTTON SHALL NOT BE LOCATED MORE THAN 24" FROM THE BACK OF WALK. IF DISTANCE FROM BACK OF WALK TO PUSH BUTTON IS 20" TO 24", THE BUTTON SHALL BE LOCATED AT A MAXIMUM HEIGHT OF 44" FROM THE SURFACE OF THE WALK; OTHERWISE, THE MAXIMUM HEIGHT SHALL BE 48".
2. THE FORCE REQUIRED TO ACTIVATE CONTROL SHALL BE NO GREATER THAN 5 LB.
3. POST SHALL BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.

FOR TYPE "A" FOUNDATION SEE DRAWING NO. 404.201

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA			
		PEDESTRIAN PUSH BUTTON POST FOR 2 1/2 POSTTOP MOUNTING			
		DATE 12-12-96	DWG. NO. 404.401	SHEET	2 OF 2

Effective 07/01/09 - 12/30/09



POLE TYPE	"A" NOM.	SHAFT SIZE	
1-A	10'-0"	11 GA. 5.5" X 4.1" X 10'-0"	NEAR RIGHTS & ISL. POLES
1-B	7'-0"	11 GA. 5.5" X 4.1" X 7'-0"	PED. HEADS & BUTTON ONLY

NOTES:

1. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
2. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.
3. PEDESTRIAN PUSH BUTTON SHALL NOT BE LOCATED MORE THAN 24" FROM THE BACK OF WALK. IF DISTANCE FROM BACK OF WALK TO PUSH BUTTON IS 20" TO 24", THE BUTTON SHALL BE LOCATED A MAXIMUM OF 44" FROM THE SURFACE OF THE WALK; OTHERWISE, THE MAXIMUM HEIGHT SHALL BE 48".

FOR TYPE "C" FOUNDATION SEE DRAWING NO. 404.203.

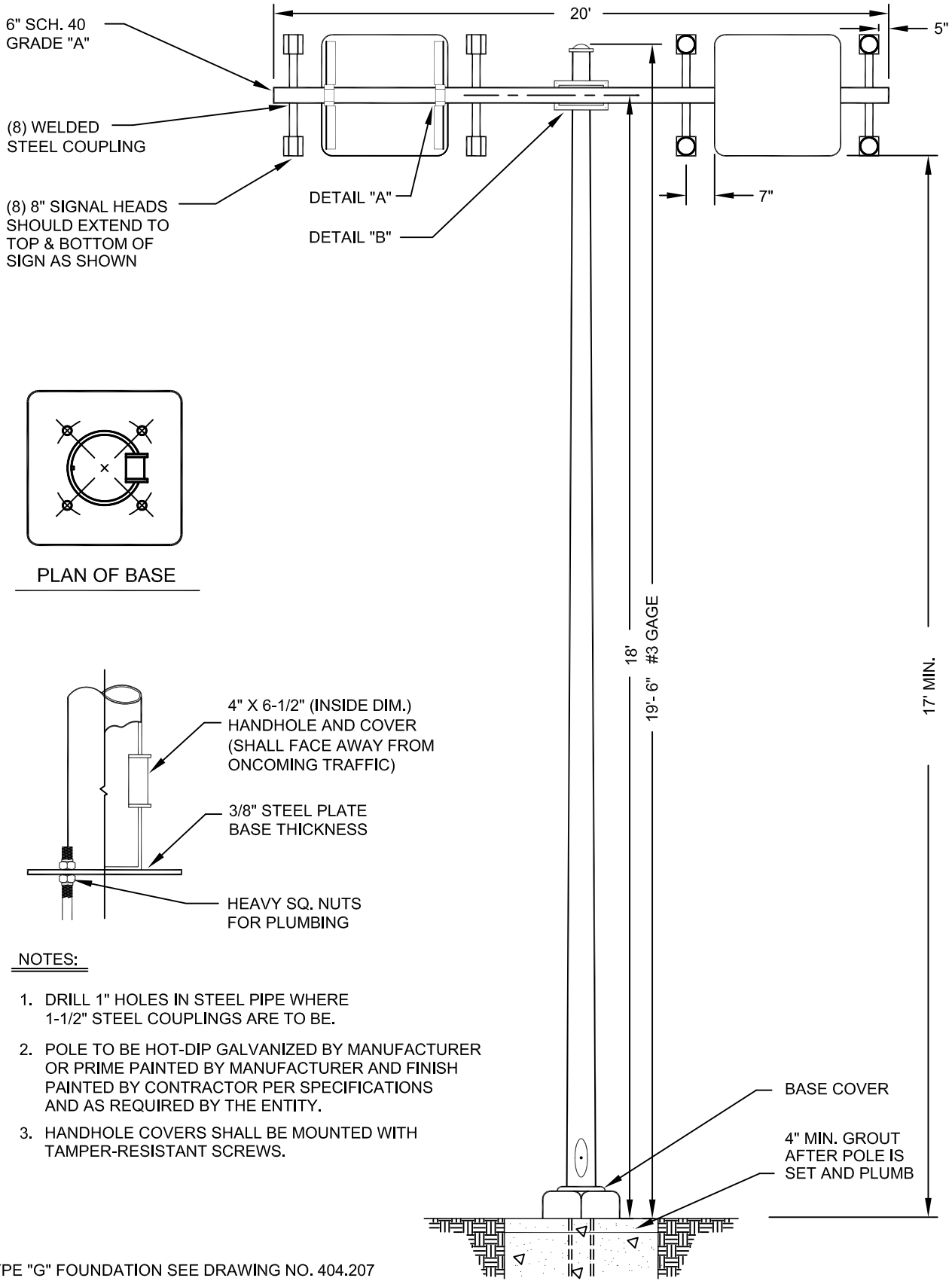
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

SIGNAL STANDARD
TYPE 1-A, 1-B

DATE 12-12-96	DWG. NO. 404.402	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



PLAN OF BASE

NOTES:

1. DRILL 1" HOLES IN STEEL PIPE WHERE 1-1/2" STEEL COUPLINGS ARE TO BE.
2. POLE TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
3. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.

FOR TYPE "G" FOUNDATION SEE DRAWING NO. 404.207

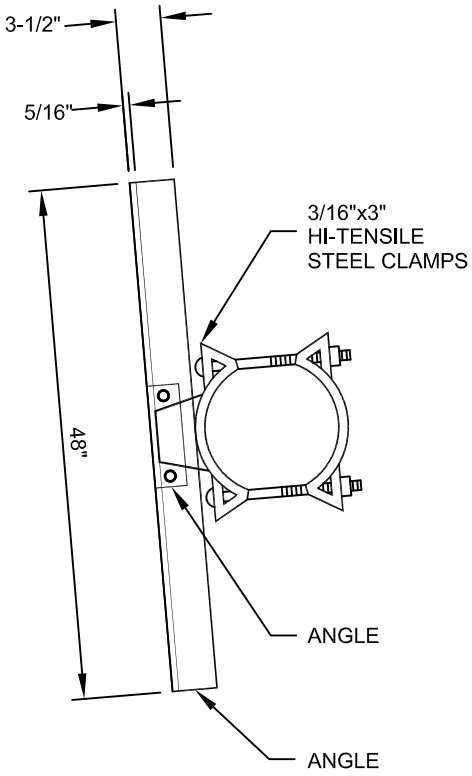
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

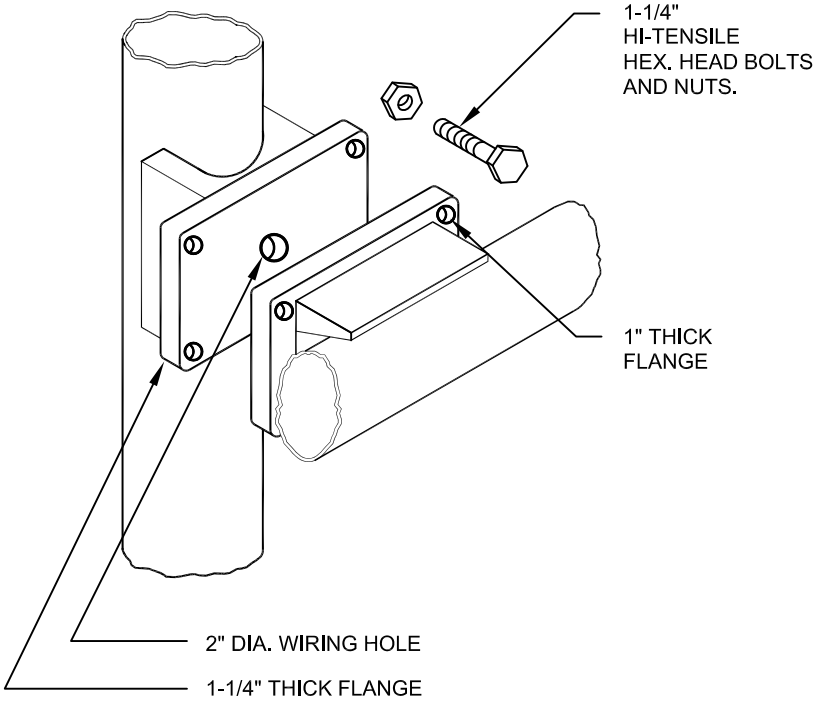
SIGN POST WITH SCHOOL SIGN MOUNTED

DATE 12-12-96	DWG. NO. 404.403	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09



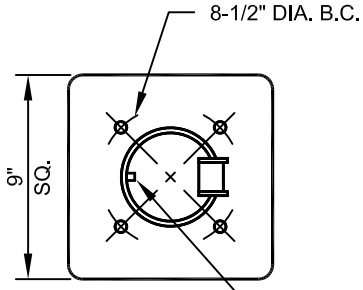
DETAIL A



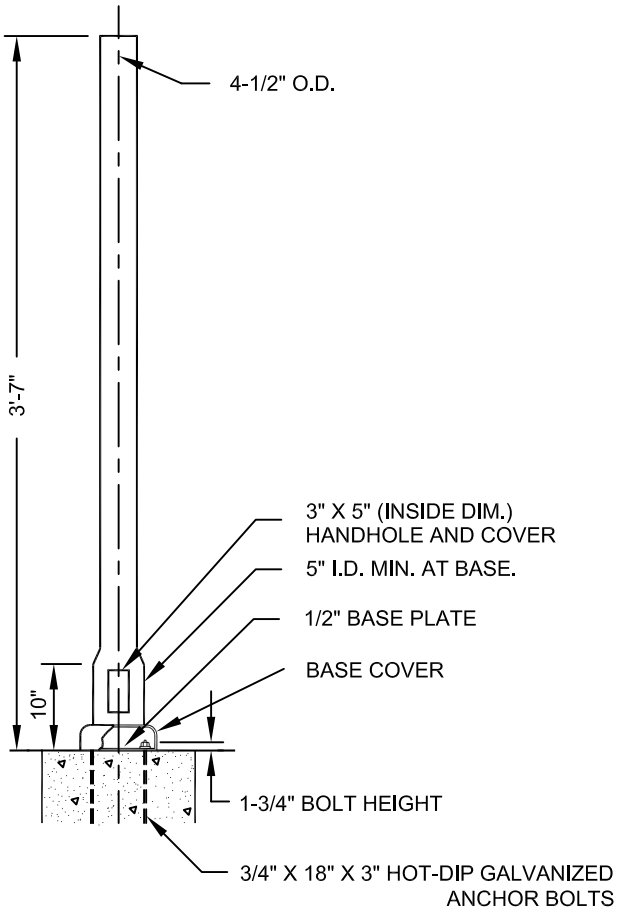
DETAIL B

Effective 07/01/09 - 12/30/09

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGN POST WITH SCHOOL SIGN MOUNTED DETAILS		
		DATE	DWG. NO. 404.403	SHEET 2 OF 2



PLAN OF BASE



NOTES:

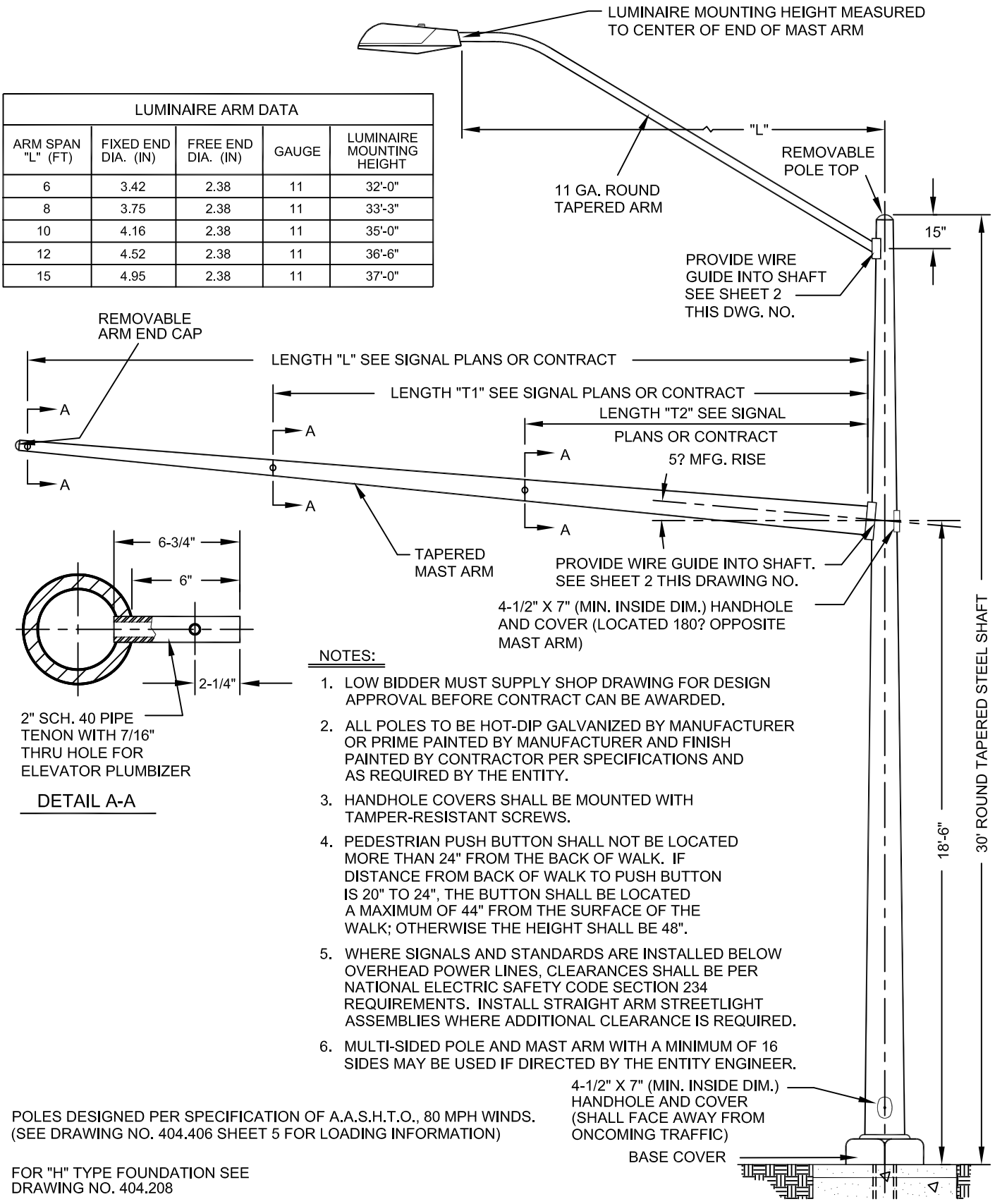
1. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH BY PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
2. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.

FOR TYPE "C" FOUNDATION SEE DRAWING NO. 404.203.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		PEDESTAL FOR CONTROLLER CABINETS		
		DATE 12-12-96	DWG. NO. 404.405	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

LUMINAIRE ARM DATA				
ARM SPAN "L" (FT)	FIXED END DIA. (IN)	FREE END DIA. (IN)	GAUGE	LUMINAIRE MOUNTING HEIGHT
6	3.42	2.38	11	32'-0"
8	3.75	2.38	11	33'-3"
10	4.16	2.38	11	35'-0"
12	4.52	2.38	11	36'-6"
15	4.95	2.38	11	37'-0"



NOTES:

1. LOW BIDDER MUST SUPPLY SHOP DRAWING FOR DESIGN APPROVAL BEFORE CONTRACT CAN BE AWARDED.
2. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
3. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.
4. PEDESTRIAN PUSH BUTTON SHALL NOT BE LOCATED MORE THAN 24" FROM THE BACK OF WALK. IF DISTANCE FROM BACK OF WALK TO PUSH BUTTON IS 20" TO 24", THE BUTTON SHALL BE LOCATED A MAXIMUM OF 44" FROM THE SURFACE OF THE WALK; OTHERWISE THE HEIGHT SHALL BE 48".
5. WHERE SIGNALS AND STANDARDS ARE INSTALLED BELOW OVERHEAD POWER LINES, CLEARANCES SHALL BE PER NATIONAL ELECTRIC SAFETY CODE SECTION 234 REQUIREMENTS. INSTALL STRAIGHT ARM STREETLIGHT ASSEMBLIES WHERE ADDITIONAL CLEARANCE IS REQUIRED.
6. MULTI-SIDED POLE AND MAST ARM WITH A MINIMUM OF 16 SIDES MAY BE USED IF DIRECTED BY THE ENTITY ENGINEER.

POLES DESIGNED PER SPECIFICATION OF A.A.S.H.T.O., 80 MPH WINDS. (SEE DRAWING NO. 404.406 SHEET 5 FOR LOADING INFORMATION)

FOR "H" TYPE FOUNDATION SEE DRAWING NO. 404.208

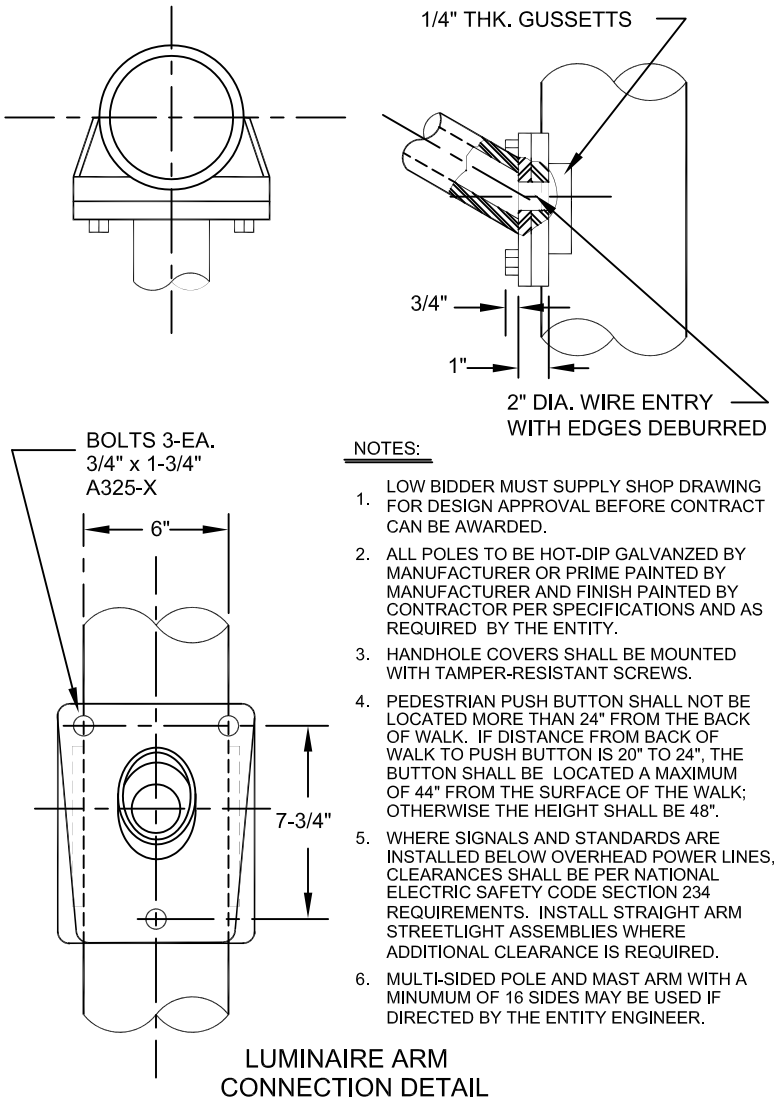
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

TYPE XX-30'-0"
SIGNAL & LUMINAIRE POLE
(45' OR LESS MAST ARMS)

DATE 9-14-06	DWG. NO. 404.406	SHEET 1 OF 6

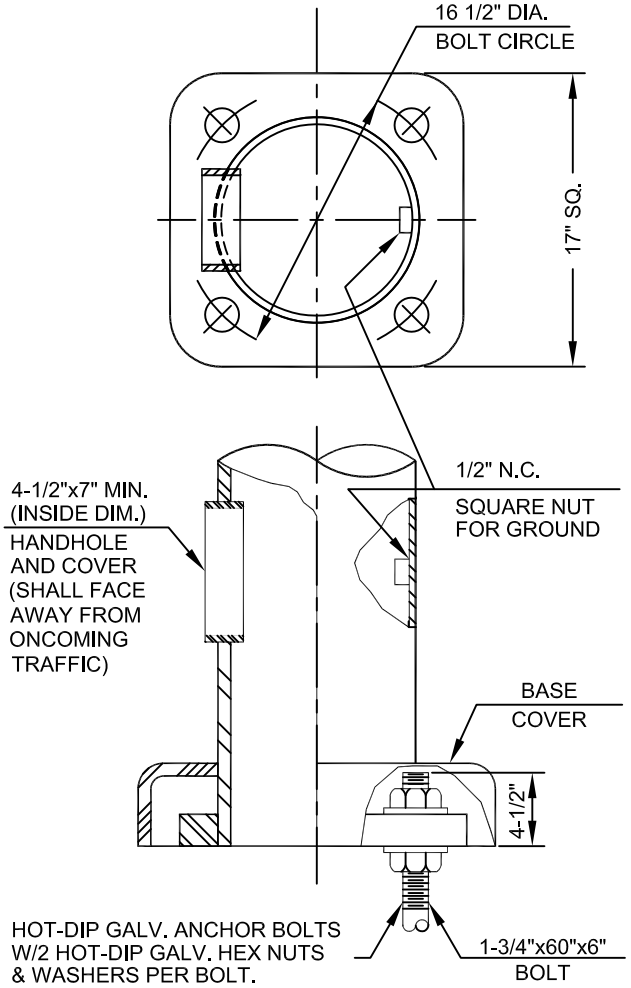
Effective 07/01/09 - 12/30/09



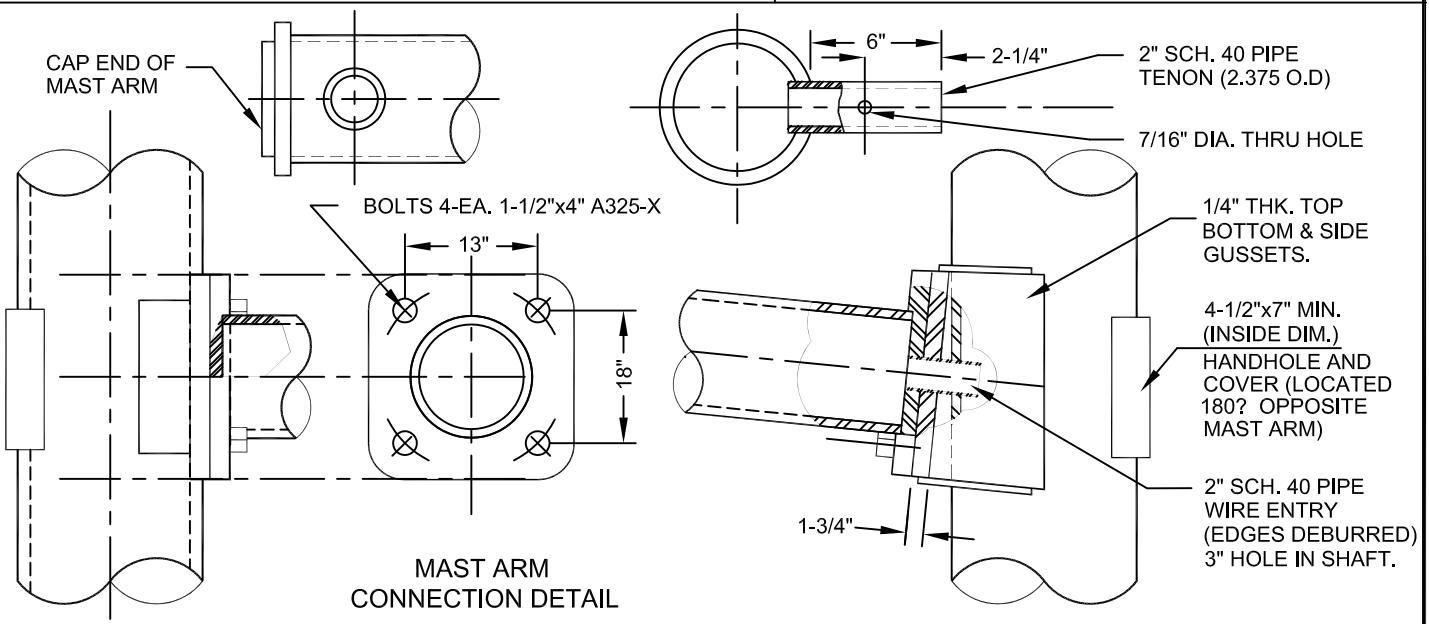
NOTES:

1. LOW BIDDER MUST SUPPLY SHOP DRAWING FOR DESIGN APPROVAL BEFORE CONTRACT CAN BE AWARDED.
2. ALL POLES TO BE HOT-DIP GALVANZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
3. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.
4. PEDESTRIAN PUSH BUTTON SHALL NOT BE LOCATED MORE THAN 24" FROM THE BACK OF WALK. IF DISTANCE FROM BACK OF WALK TO PUSH BUTTON IS 20" TO 24", THE BUTTON SHALL BE LOCATED A MAXIMUM OF 44" FROM THE SURFACE OF THE WALK; OTHERWISE THE HEIGHT SHALL BE 48".
5. WHERE SIGNALS AND STANDARDS ARE INSTALLED BELOW OVERHEAD POWER LINES, CLEARANCES SHALL BE PER NATIONAL ELECTRIC SAFETY CODE SECTION 234 REQUIREMENTS. INSTALL STRAIGHT ARM STREETLIGHT ASSEMBLIES WHERE ADDITIONAL CLEARANCE IS REQUIRED.
6. MULTI-SIDED POLE AND MAST ARM WITH A MINUMUM OF 16 SIDES MAY BE USED IF DIRECTED BY THE ENTITY ENGINEER.

LUMINAIRE ARM
CONNECTION DETAIL



POLE MOUNTING DETAIL



MAST ARM
CONNECTION DETAIL

SPECIFICATION REFERENCE	

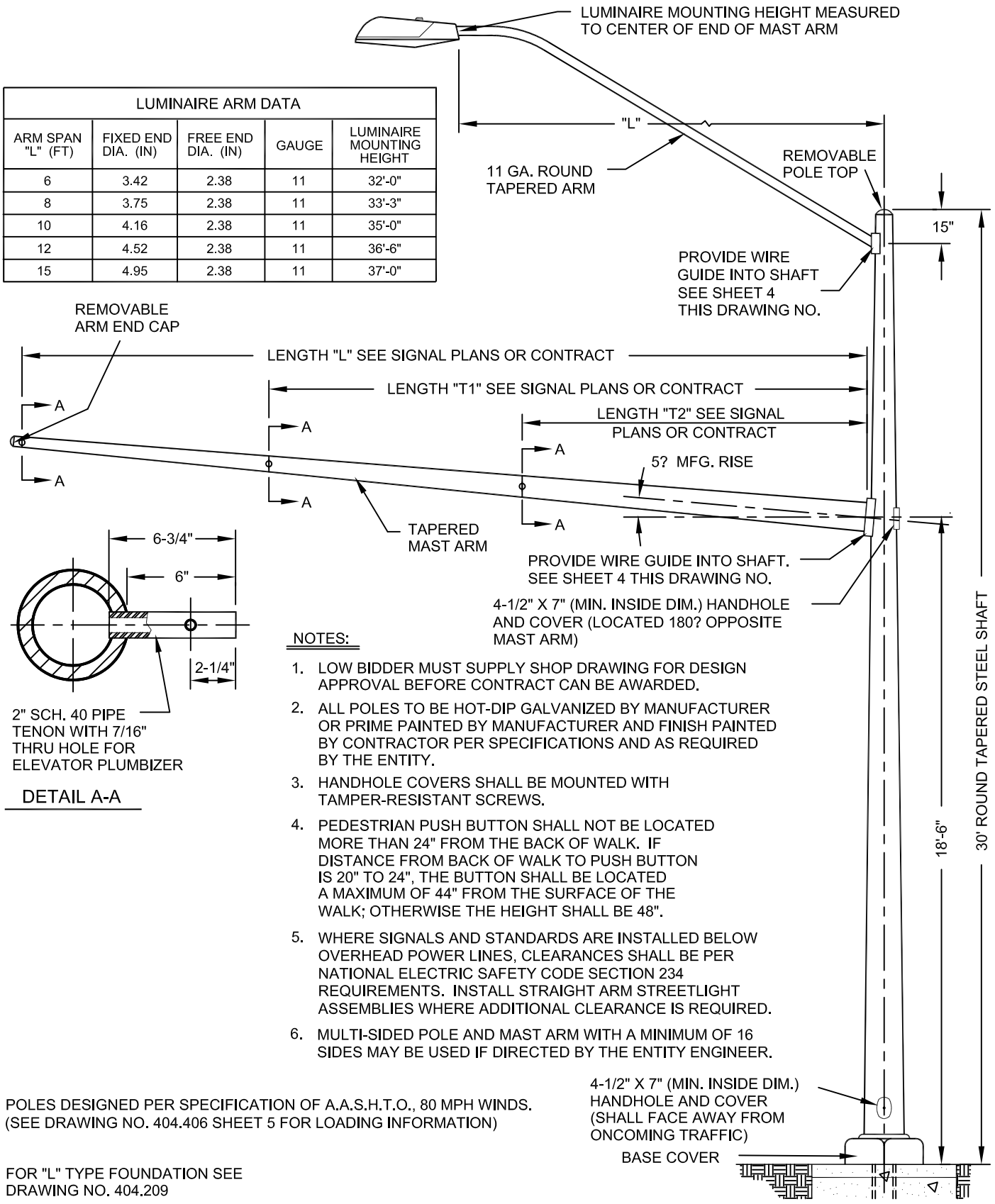
UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

TYPE XX - 30'-0"
SIGNAL & LUMINAIRE POLE
DETAILS

DATE 9-14-06	DWG. NO. 404.406	SHEET 2 OF 6

Effective 07/01/09 - 12/30/09

LUMINAIRE ARM DATA				
ARM SPAN "L" (FT)	FIXED END DIA. (IN)	FREE END DIA. (IN)	GAUGE	LUMINAIRE MOUNTING HEIGHT
6	3.42	2.38	11	32'-0"
8	3.75	2.38	11	33'-3"
10	4.16	2.38	11	35'-0"
12	4.52	2.38	11	36'-6"
15	4.95	2.38	11	37'-0"



NOTES:

1. LOW BIDDER MUST SUPPLY SHOP DRAWING FOR DESIGN APPROVAL BEFORE CONTRACT CAN BE AWARDED.
2. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
3. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.
4. PEDESTRIAN PUSH BUTTON SHALL NOT BE LOCATED MORE THAN 24" FROM THE BACK OF WALK. IF DISTANCE FROM BACK OF WALK TO PUSH BUTTON IS 20" TO 24", THE BUTTON SHALL BE LOCATED A MAXIMUM OF 44" FROM THE SURFACE OF THE WALK; OTHERWISE THE HEIGHT SHALL BE 48".
5. WHERE SIGNALS AND STANDARDS ARE INSTALLED BELOW OVERHEAD POWER LINES, CLEARANCES SHALL BE PER NATIONAL ELECTRIC SAFETY CODE SECTION 234 REQUIREMENTS. INSTALL STRAIGHT ARM STREETLIGHT ASSEMBLIES WHERE ADDITIONAL CLEARANCE IS REQUIRED.
6. MULTI-SIDED POLE AND MAST ARM WITH A MINIMUM OF 16 SIDES MAY BE USED IF DIRECTED BY THE ENTITY ENGINEER.

POLES DESIGNED PER SPECIFICATION OF A.A.S.H.T.O., 80 MPH WINDS. (SEE DRAWING NO. 404.406 SHEET 5 FOR LOADING INFORMATION)

FOR "L" TYPE FOUNDATION SEE DRAWING NO. 404.209

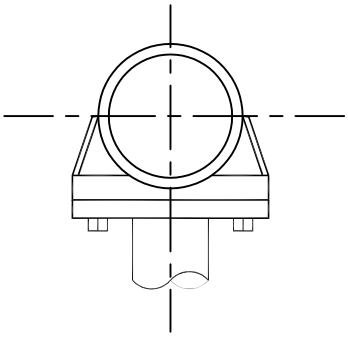
SPECIFICATION REFERENCE	

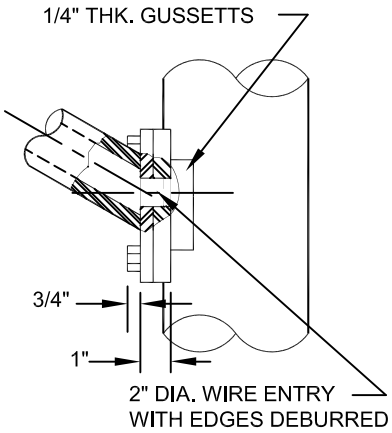
UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

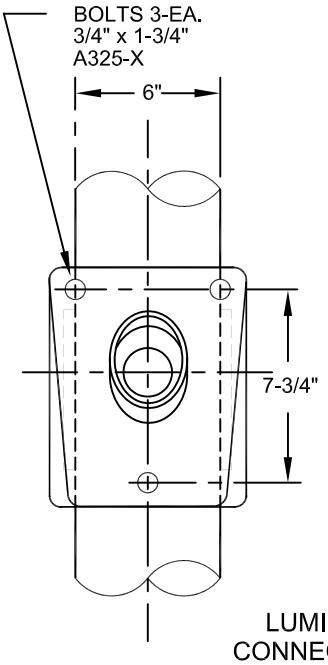
TYPE XX - A - 30'-0"
SIGNAL & LUMINAIRE POLE
(50' THRU 60' MAST ARMS)

DATE	9-14-06	DWG. NO.	404.406	SHEET	3 OF 6

Effective 07/01/09 - 12/30/09



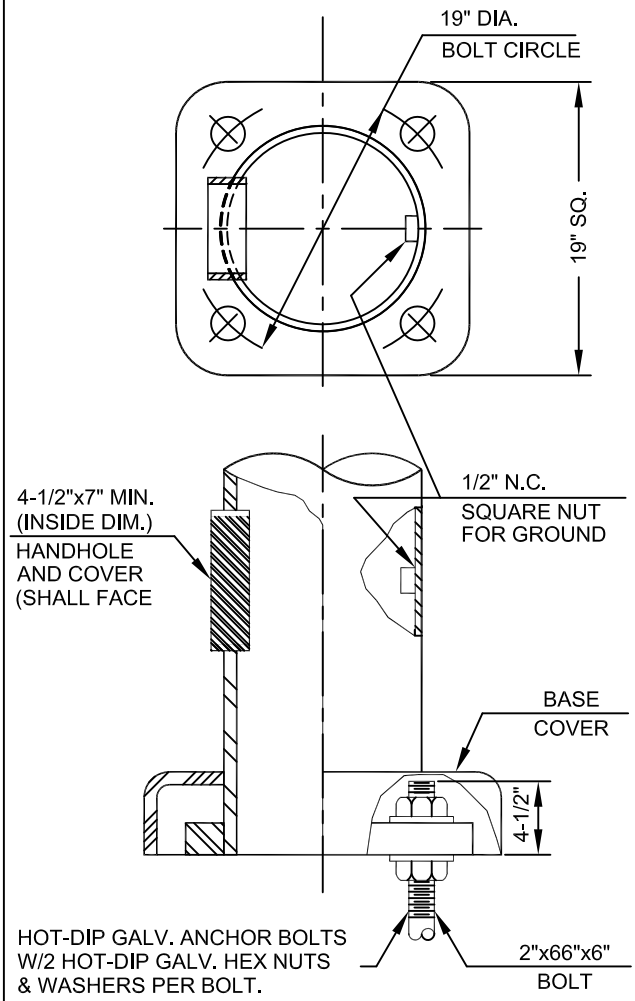




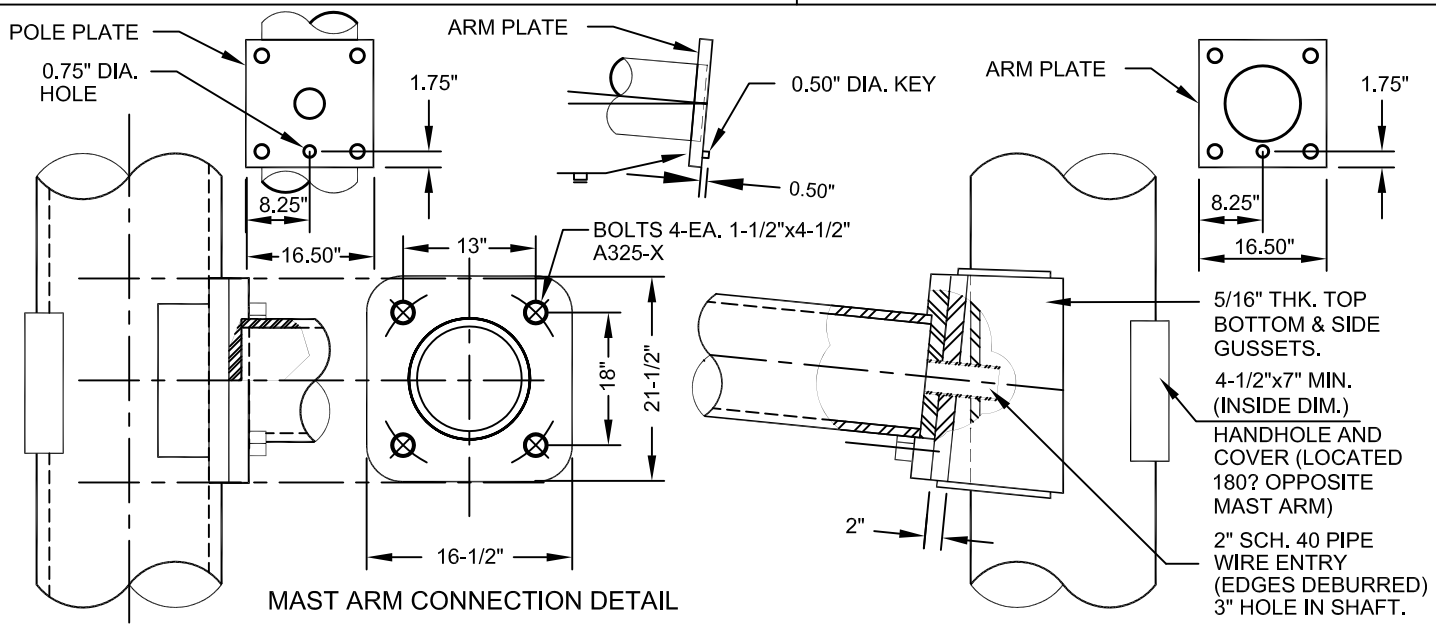
LUMINAIRE ARM
CONNECTION DETAIL

NOTES:

1. LOW BIDDER MUST SUPPLY SHOP DRAWING FOR DESIGN APPROVAL BEFORE CONTRACT CAN BE AWARDED.
2. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
3. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.
4. PEDESTRIAN PUSH BUTTON SHALL NOT BE LOCATED MORE THAN 24" FROM THE BACK OF WALK. IF DISTANCE FROM BACK OF WALK TO PUSH BUTTON IS 20" TO 24", THE BUTTON SHALL BE LOCATED A MAXIMUM OF 44" FROM THE SURFACE OF THE WALK; OTHERWISE THE HEIGHT SHALL BE 48".
5. WHERE SIGNALS AND STANDARDS ARE INSTALLED BELOW OVERHEAD POWER LINES, CLEARANCES SHALL BE PER NATIONAL ELECTRIC SAFETY CODE SECTION 234 ADDITIONAL CLEARANCE IS REQUIRED.
6. MULTI-SIDED POLE AND MAST ARM WITH A MINUMUM OF 16 SIDES MAY BE USED IF DIRECTED BY THE ENTITY ENGINEER.



POLE MOUNTING DETAIL



MAST ARM CONNECTION DETAIL

SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

TYPE XX - A - 30'-0"
(50' THRU 60' MAST ARMS)
SIGNAL & LUMINAIRE POLE DETAILS

DATE 9-14-06	DWG. NO. 404.406	SHEET 4 OF 6

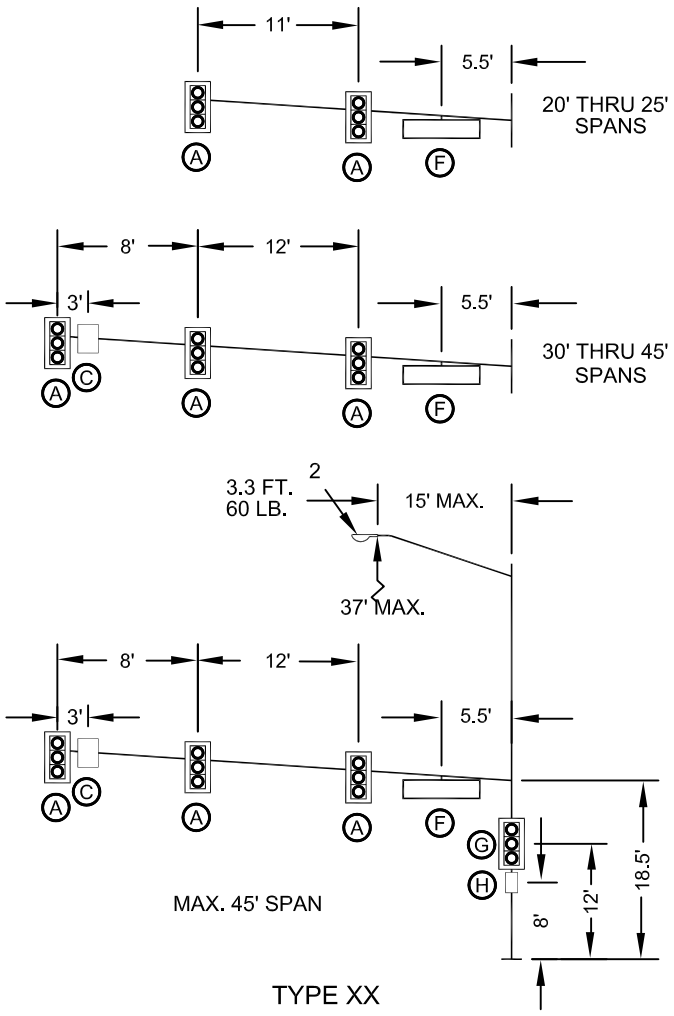
Effective 07/01/09 - 12/30/09

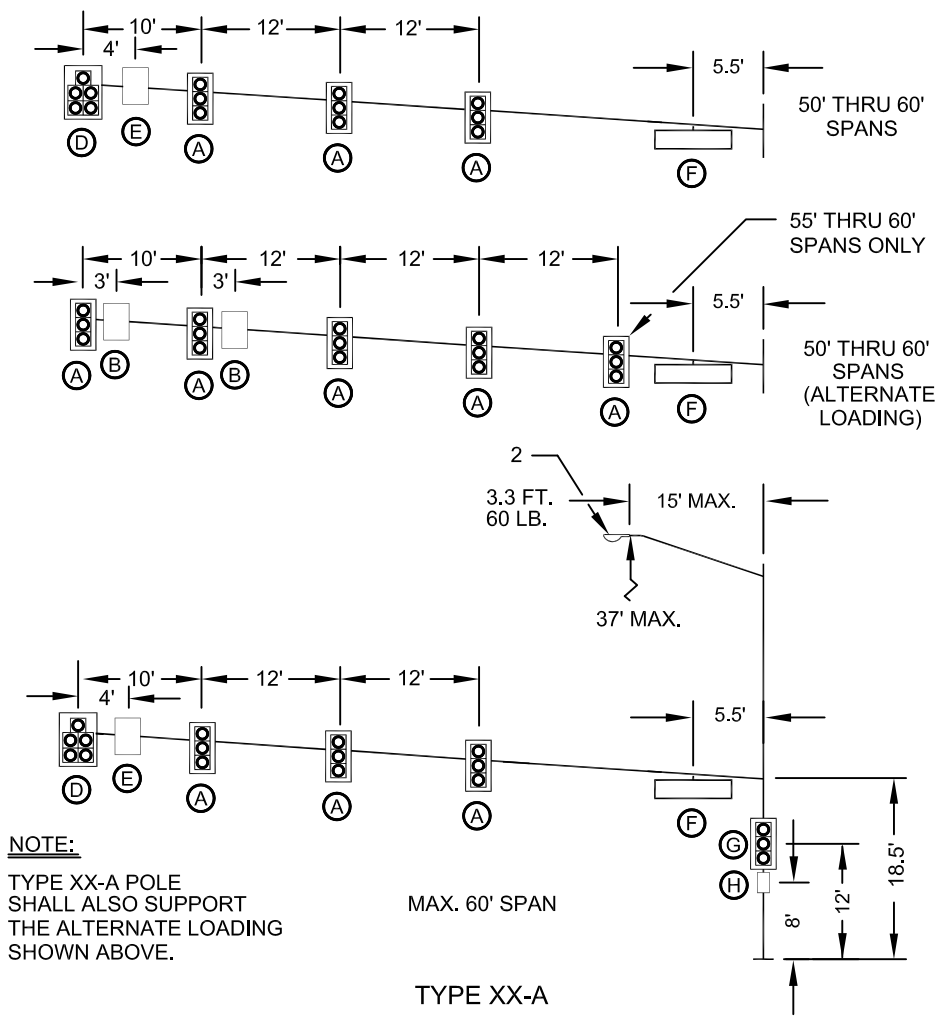
SPECIFICATION REFERENCE

LOADING INFORMATION

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

DATE 7-8-93
DWG. NO. 404.406
SHEET 5 OF 6





DEVICE	DESCRIPTION	PROJ. AREA (FT^2)	WEIGHT (LBS)
(A) SIGNAL	12"- 3 SEC. W/ BACKPLATES (M-2)	9.80	40
(B) SIGN	R3-5 24" X 30"	5.00	15
(C) SIGN	R3-4 24" X 24"	4.00	10
(D) SIGNAL	12"- 5 SEC. W/ BACKPLATES	13.68	80
(E) SIGN	R10-5d(8) 36" X 45"	11.25	30
(F) SIGN	STREET NAME-FREE SWINGING-1.68' X 8'	13.44	100
(G) SIGNAL	DUAL-12"- 3 SEC. W/ BACKPLATES	17.34	80
(H) SIGNAL	DUAL-PEDESTRIAN	8.00	60

DESIGN CRITERIA:

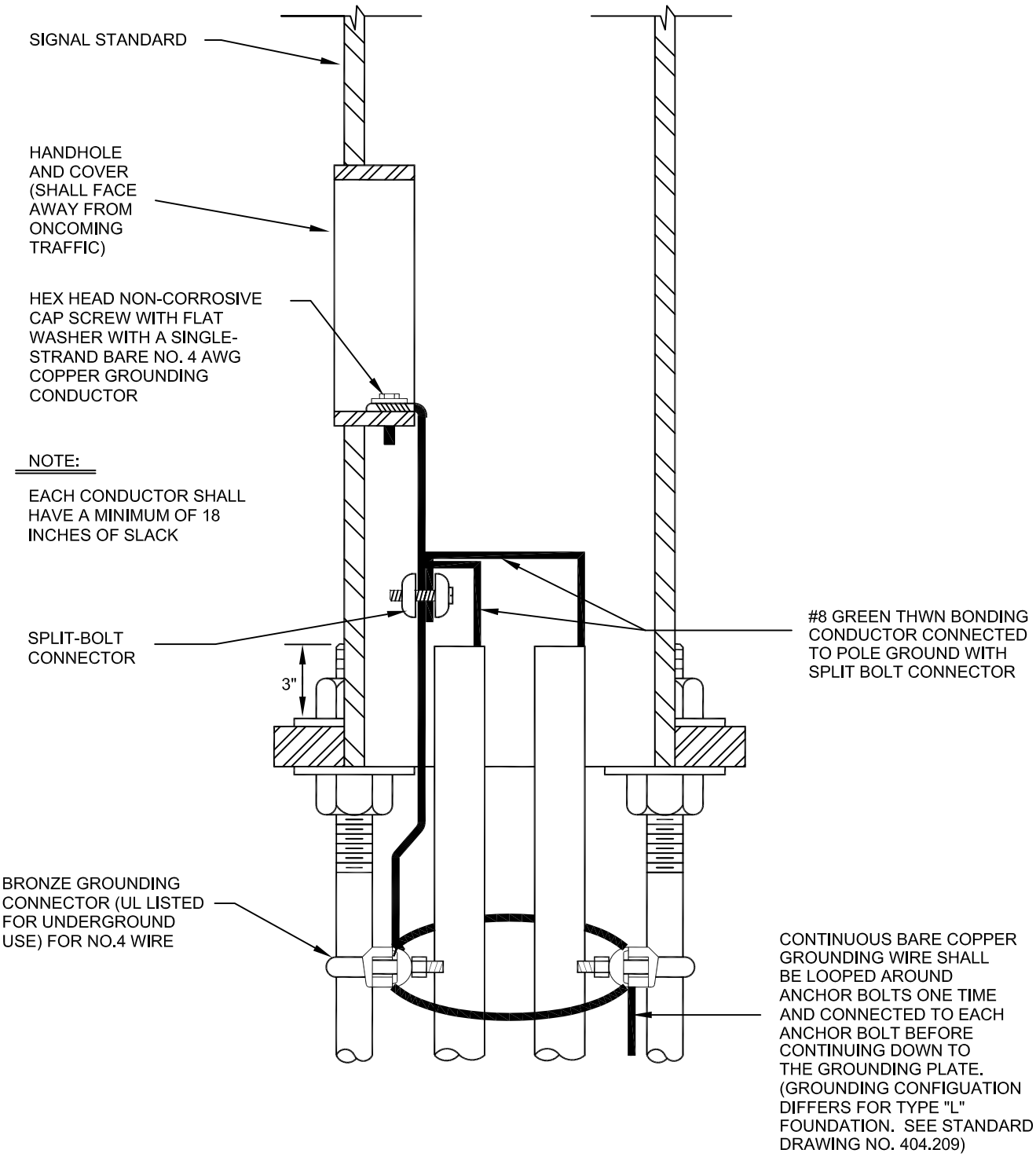
1985 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.

MAXIMUM DESIGN MINIMUM YEILD STRENGTH FOR TUBULAR MEMBERS SHALL BE LIMITED TO 48,000 PSI FOR COLD WORKED MATERIALS AND 50,000 PSI FOR NON-COLD WORKED MATERIALS.

WIND VELOCITY:

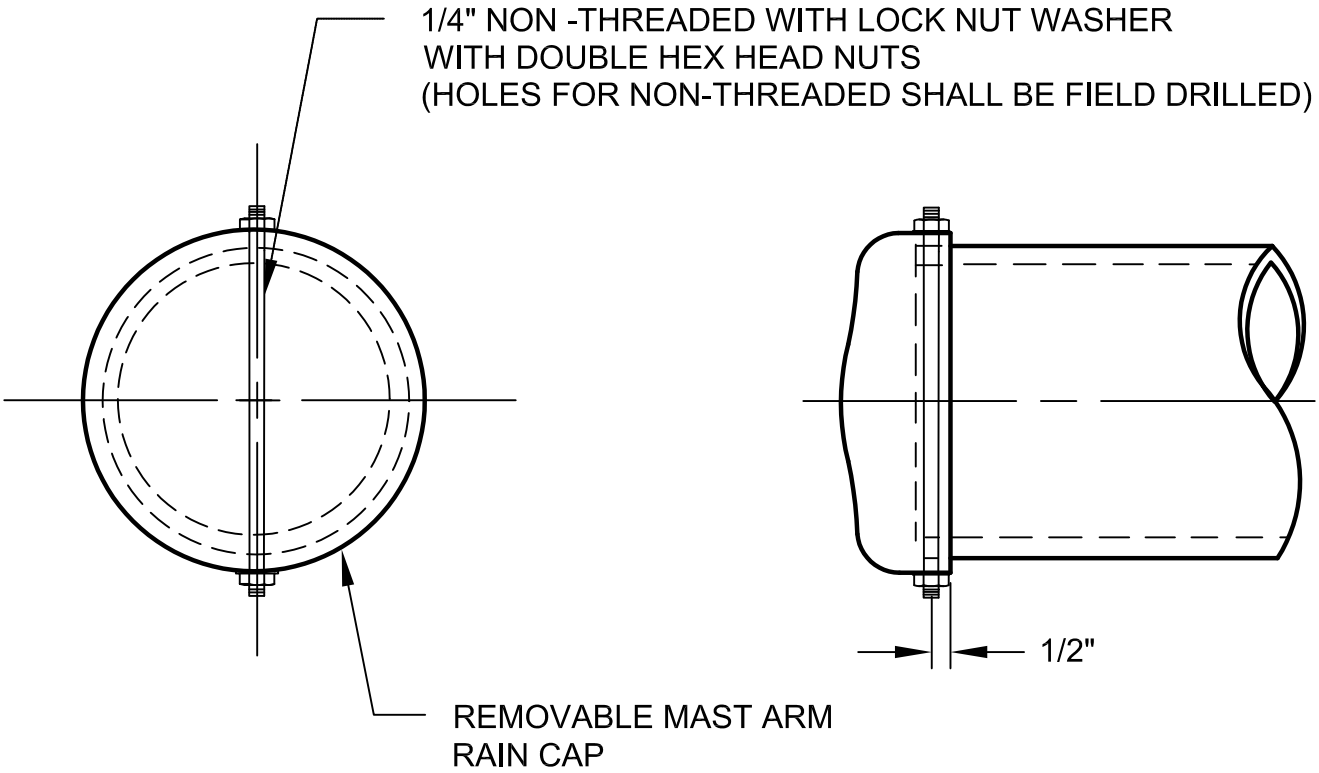
80 MPH ISOTACH.

LOADING INFORMATION



SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TRAFFIC SIGNAL POLE GROUNDING		
		DATE 12-12-96	DWG. NO. 404.406	SHEET 6 OF 6

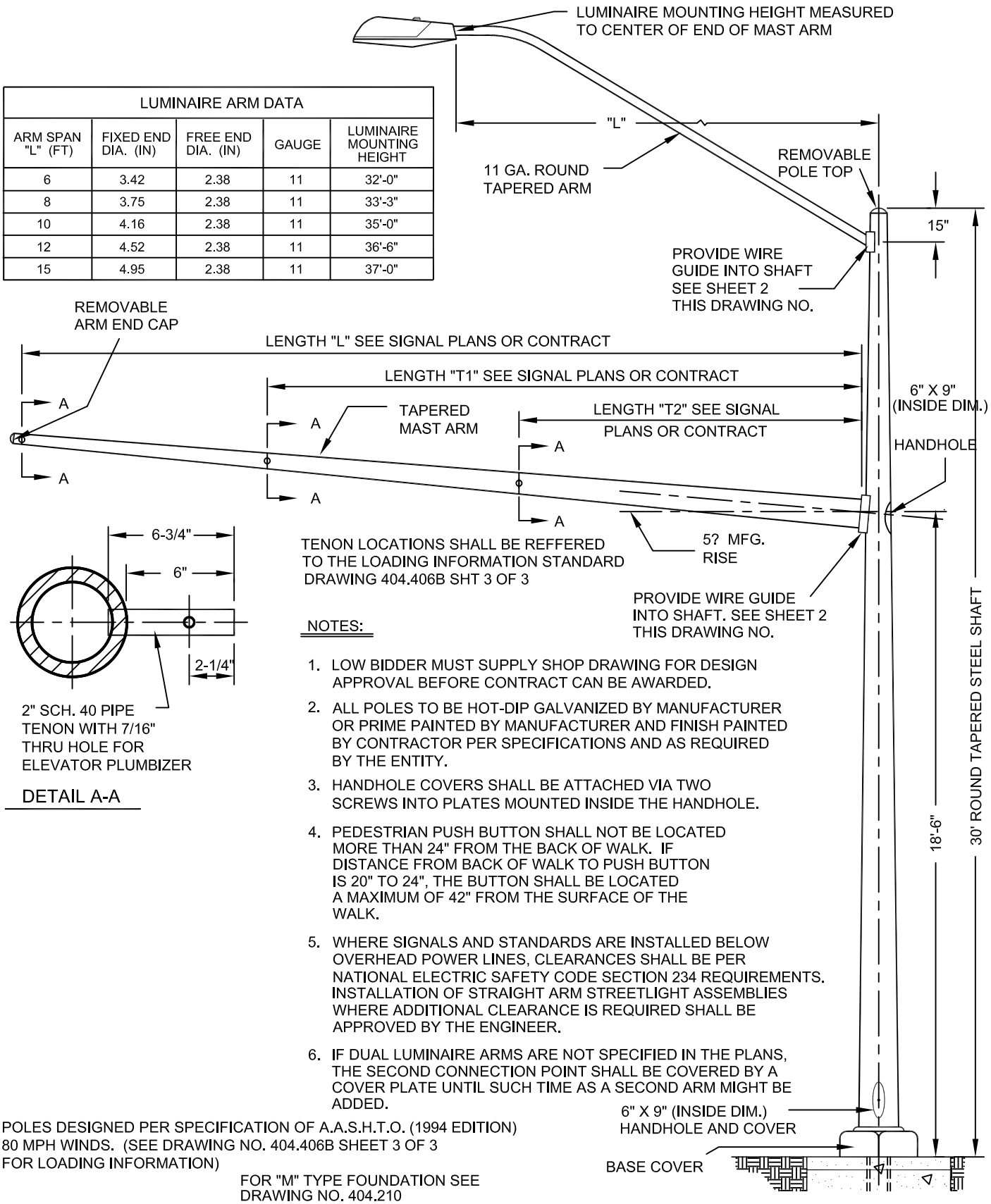
Effective 07/01/09 - 12/30/09



SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
623	TRAFFIC SIGNALS & STREET LIGHTING	REMOVABLE MAST ARM END CAP DETAIL		
		DATE 05-19-05	DWG. NO. 404.406A	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

LUMINAIRE ARM DATA				
ARM SPAN "L" (FT)	FIXED END DIA. (IN)	FREE END DIA. (IN)	GAUGE	LUMINAIRE MOUNTING HEIGHT
6	3.42	2.38	11	32'-0"
8	3.75	2.38	11	33'-3"
10	4.16	2.38	11	35'-0"
12	4.52	2.38	11	36'-6"
15	4.95	2.38	11	37'-0"



NOTES:

1. LOW BIDDER MUST SUPPLY SHOP DRAWING FOR DESIGN APPROVAL BEFORE CONTRACT CAN BE AWARDED.
2. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
3. HANDHOLE COVERS SHALL BE ATTACHED VIA TWO SCREWS INTO PLATES MOUNTED INSIDE THE HANDHOLE.
4. PEDESTRIAN PUSH BUTTON SHALL NOT BE LOCATED MORE THAN 24" FROM THE BACK OF WALK. IF DISTANCE FROM BACK OF WALK TO PUSH BUTTON IS 20" TO 24", THE BUTTON SHALL BE LOCATED A MAXIMUM OF 42" FROM THE SURFACE OF THE WALK.
5. WHERE SIGNALS AND STANDARDS ARE INSTALLED BELOW OVERHEAD POWER LINES, CLEARANCES SHALL BE PER NATIONAL ELECTRIC SAFETY CODE SECTION 234 REQUIREMENTS. INSTALLATION OF STRAIGHT ARM STREETLIGHT ASSEMBLIES WHERE ADDITIONAL CLEARANCE IS REQUIRED SHALL BE APPROVED BY THE ENGINEER.
6. IF DUAL LUMINAIRE ARMS ARE NOT SPECIFIED IN THE PLANS, THE SECOND CONNECTION POINT SHALL BE COVERED BY A COVER PLATE UNTIL SUCH TIME AS A SECOND ARM MIGHT BE ADDED.

POLES DESIGNED PER SPECIFICATION OF A.A.S.H.T.O. (1994 EDITION)
80 MPH WINDS. (SEE DRAWING NO. 404.406B SHEET 3 OF 3 FOR LOADING INFORMATION)

FOR "M" TYPE FOUNDATION SEE DRAWING NO. 404.210

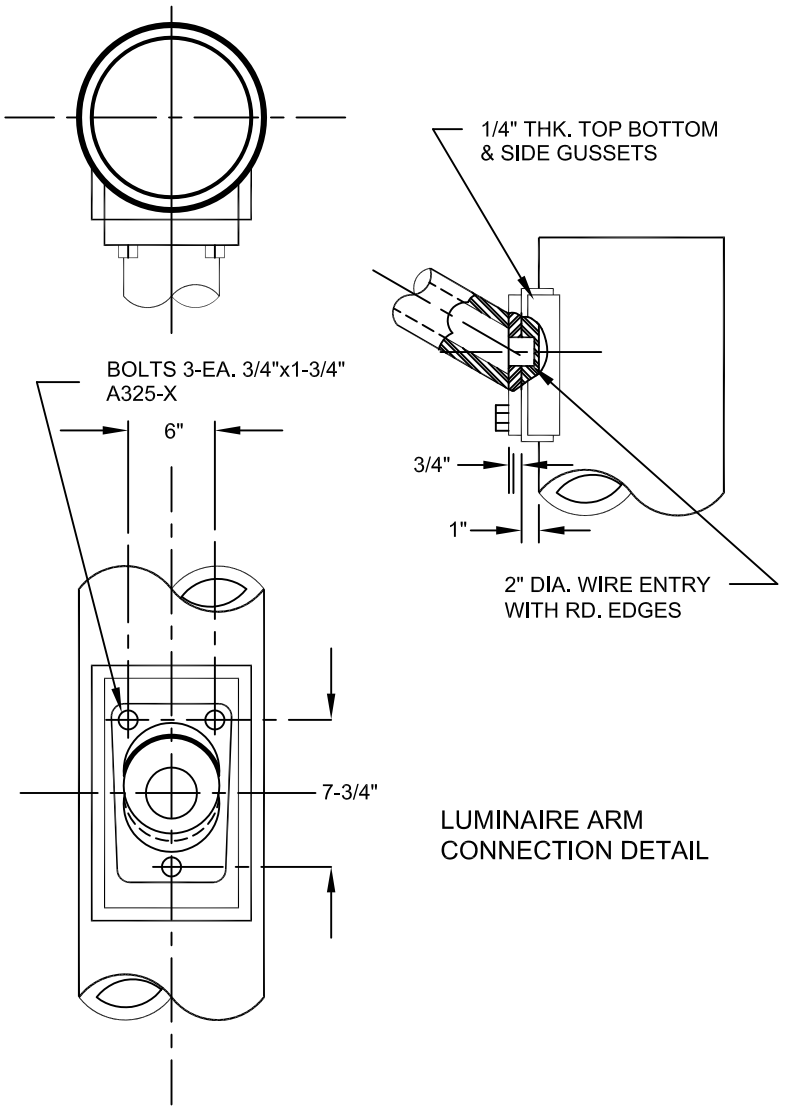
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

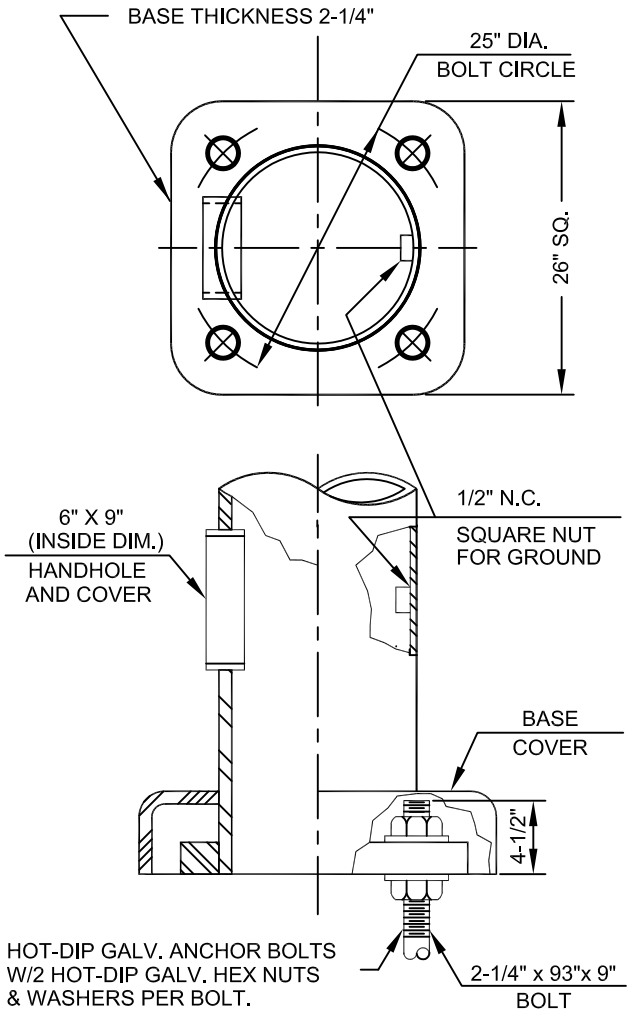
TYPE XX - B - 30'-0"
SIGNAL & LUMINAIRE POLE
(65' THRU 85' MAST ARMS)

DATE 11/10/05	DWG. NO. 404.406B	SHEET 1 OF 3

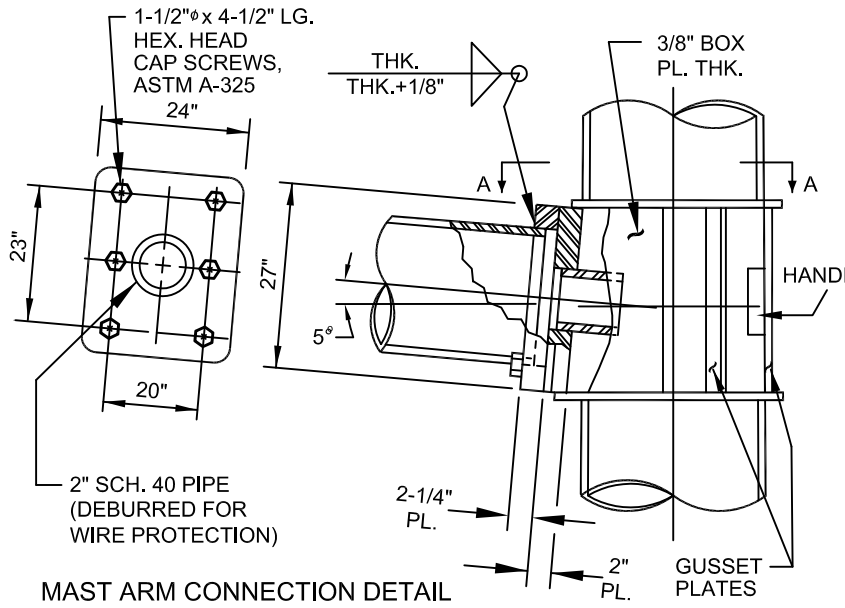
Effective 07/01/09 - 12/30/09



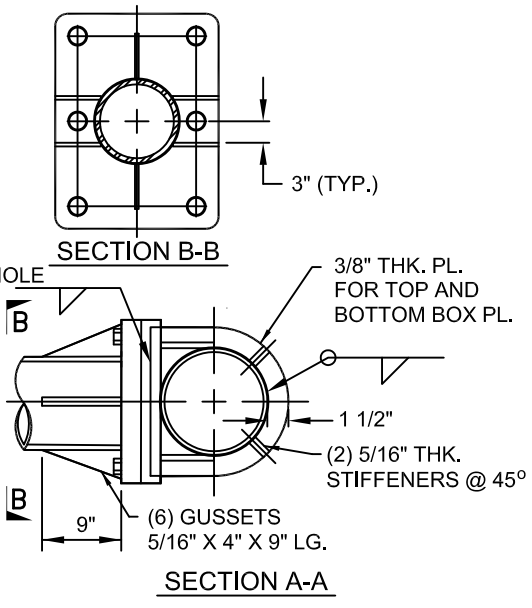
LUMINAIRE ARM
CONNECTION DETAIL



POLE MOUNTING DETAIL



MAST ARM CONNECTION DETAIL



SECTION A-A

SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

TYPE XX - B - 30'-0"
(65' THRU 85' MAST ARMS)
SIGNAL & LUMINAIRE POLE DETAILS

DATE 11/10/05	DWG. NO. 404.406B	SHEET 2 OF 3

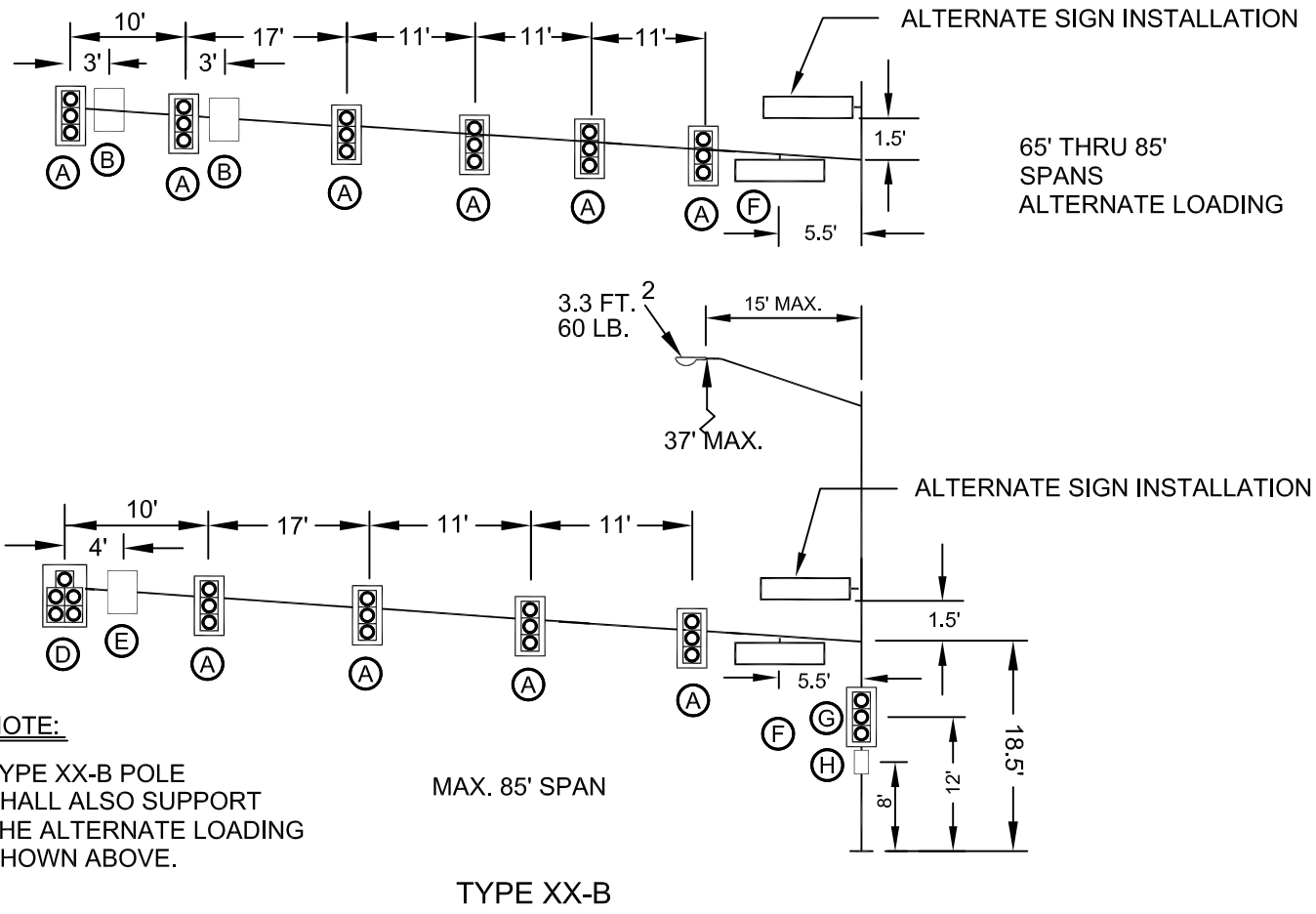
Effective 07/01/09 - 12/30/09

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

LOADING INFORMATION

DATE 11/10/05 | DWG. NO. 404.406B | SHEET 3 OF 3



NOTE:

TYPE XX-B POLE
SHALL ALSO SUPPORT
THE ALTERNATE LOADING
SHOWN ABOVE.

MAX. 85' SPAN

TYPE XX-B

DEVICE	DESCRIPTION	PROJ. AREA (FT ^{2})	WEIGHT (LBS)
(A) SIGNAL	12"- 3 SEC. W/ BACKPLATES (M-2)	9.80	40
(B) SIGN	R3-5 24" X 30"	5.00	15
(C) SIGN	R3-4 24" X 24"	4.00	10
(D) SIGNAL	12"- 5 SEC. W/ BACKPLATES	13.68	80
(E) SIGN	R10-5d(8) 24" X 36"	6.00	15
(F) SIGN	STREET NAME-FREE SWINGING-1.68' X 8'	13.44	100
(G) SIGNAL	DUAL-12"- 3 SEC. W/ BACKPLATES	17.34	80
(H) SIGNAL	DUAL-PEDESTRIAN	8.00	60

DESIGN CRITERIA:

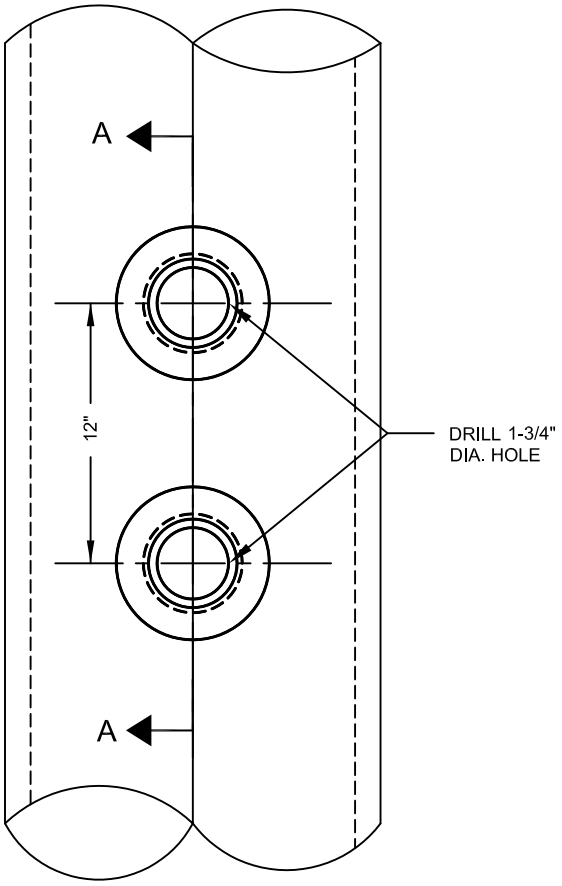
AASHTO STANDARD SPECIFICATIONS (1994 EDITION) FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.

DESIGN MINIMUM YEILD STRENGTH FOR TUBULAR MEMBERS SHALL BE LIMITED TO 48,000 PSI FOR COLD WORKED MATERIALS AND 50,000 PSI FOR NON-COLD WORKED MATERIALS.

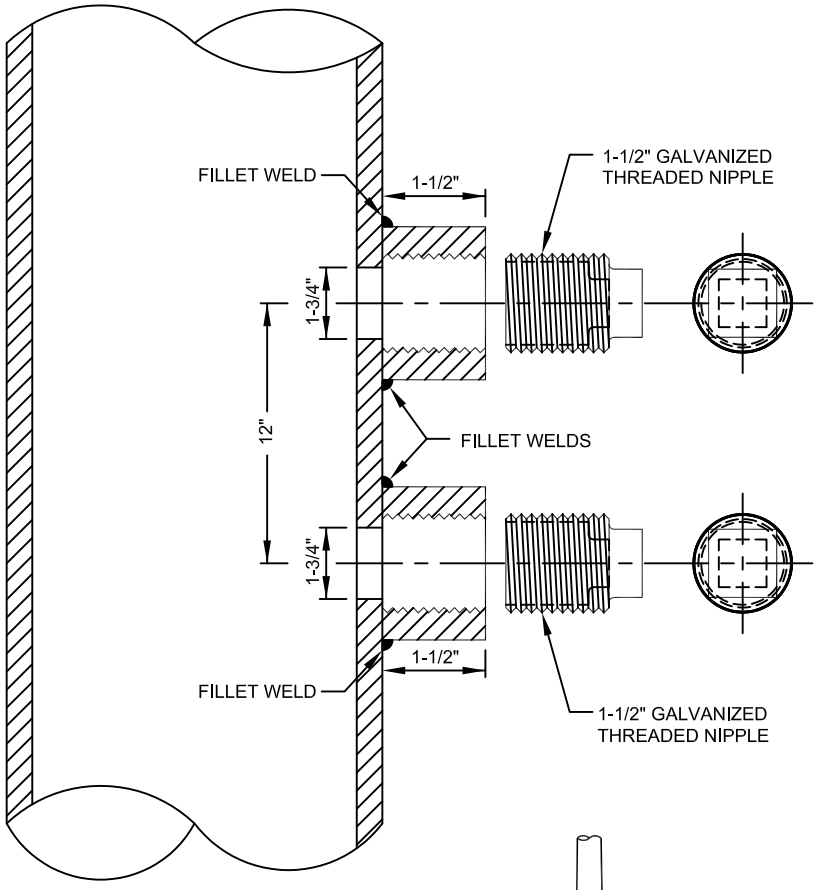
WIND VELOCITY:

80 MPH ISOTACH.

LOADING INFORMATION

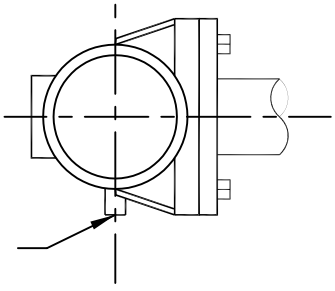


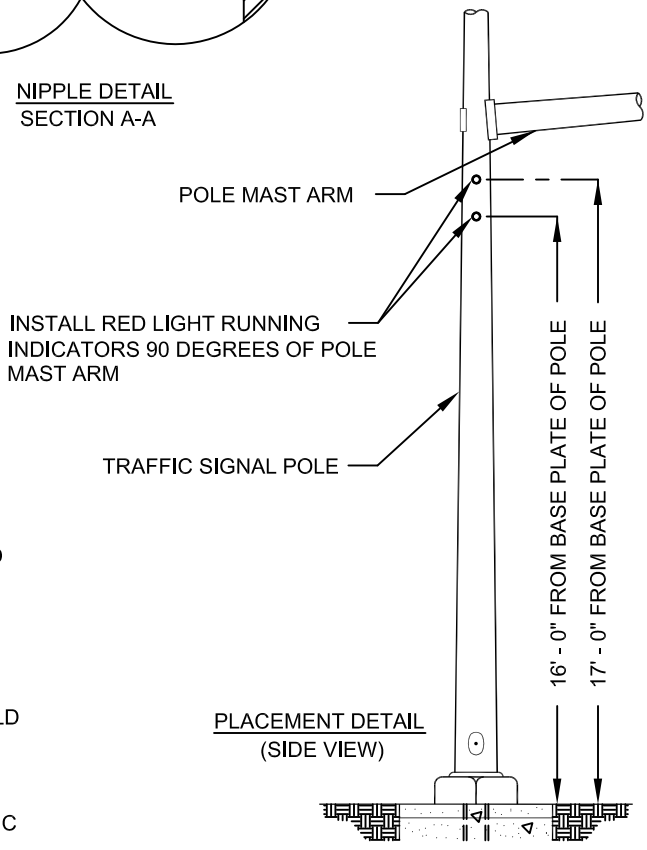
DRILLING DETAIL



NIPPLE DETAIL
SECTION A-A

PLACEMENT DETAIL
(TOP VIEW)





PLACEMENT DETAIL
(SIDE VIEW)

NOTES:

1. CONTRACTOR TO INSTALL RED LIGHT RUNNING INDICATORS, McCAIN MODELS M61385 (RED) & M61448 (BLUE), OR APPROVED EQUAL AS INDICATED BY THE TRAFFIC ENGINEER.
2. RED (THRU) INDICATOR SHALL BE MOUNTED 16' ABOVE POLE BASE PLATE AND BLUE (LEFT) INDICATOR SHALL BE MOUNTED 17' ABOVE POLE BASE PLATE AND SHALL FACE AWAY FROM ONCOMING TRAFFIC.
3. RED LIGHT RUNNING INDICATOR L.E.D. HOUSING SHALL BE FIELD ADJUSTED. PLEASE CONTACT THE TRAFFIC ENGINEER FOR COORDINATION.
4. CONTRACTOR SHALL WIRE INDICATORS DIRECTLY TO BUSS IN "J" BOX PER CALL OUT PHASING IN POLE SCHEDULE ON TRAFFIC SIGNAL PLANS.

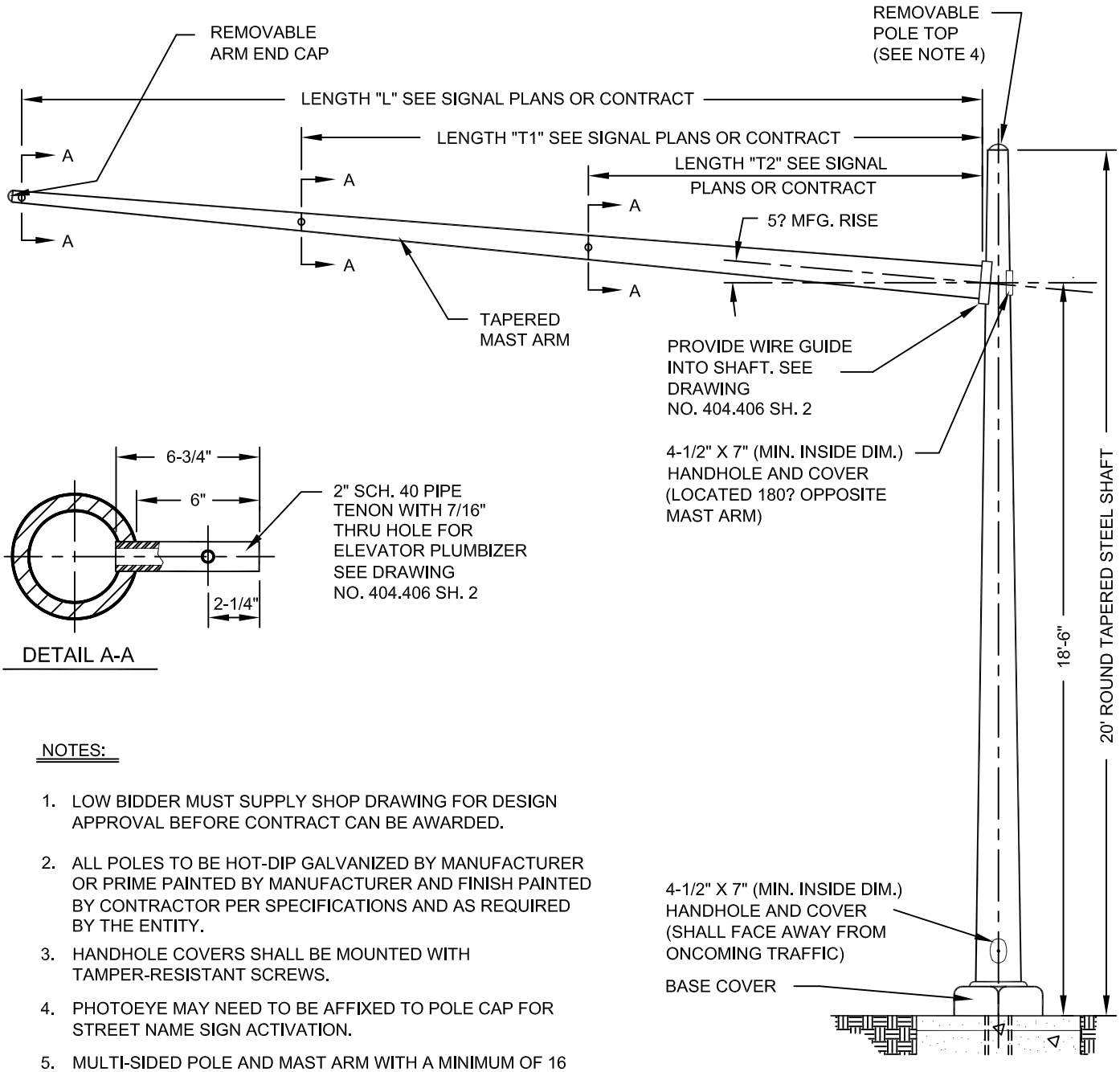
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

CLARK COUNTY ONLY
RED LIGHT RUNNING INDICATOR INSTALLATION DETAILS

DATE	9-14-06	DWG. NO.	404.406C	SHEET	1 OF 1

Effective 07/01/09 - 12/30/09



DETAIL A-A

NOTES:

1. LOW BIDDER MUST SUPPLY SHOP DRAWING FOR DESIGN APPROVAL BEFORE CONTRACT CAN BE AWARDED.
2. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
3. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.
4. PHOTOEYE MAY NEED TO BE AFFIXED TO POLE CAP FOR STREET NAME SIGN ACTIVATION.
5. MULTI-SIDED POLE AND MAST ARM WITH A MINIMUM OF 16 SIDES MAY BE USED IF DIRECTED BY THE ENTITY ENGINEER.

POLES DESIGNED PER SPECIFICATION OF A.A.S.H.T.O., 80 MPH WINDS.
(SEE DRAWING NO. 404.406 SHEET 5 FOR LOADING INFORMATION)

FOR OTHER DETAILS SEE DRAWING NO. 404.406 SHTS. 2 & 6.
FOR "H" TYPE FOUNDATION SEE DRAWING NO. 404.208.

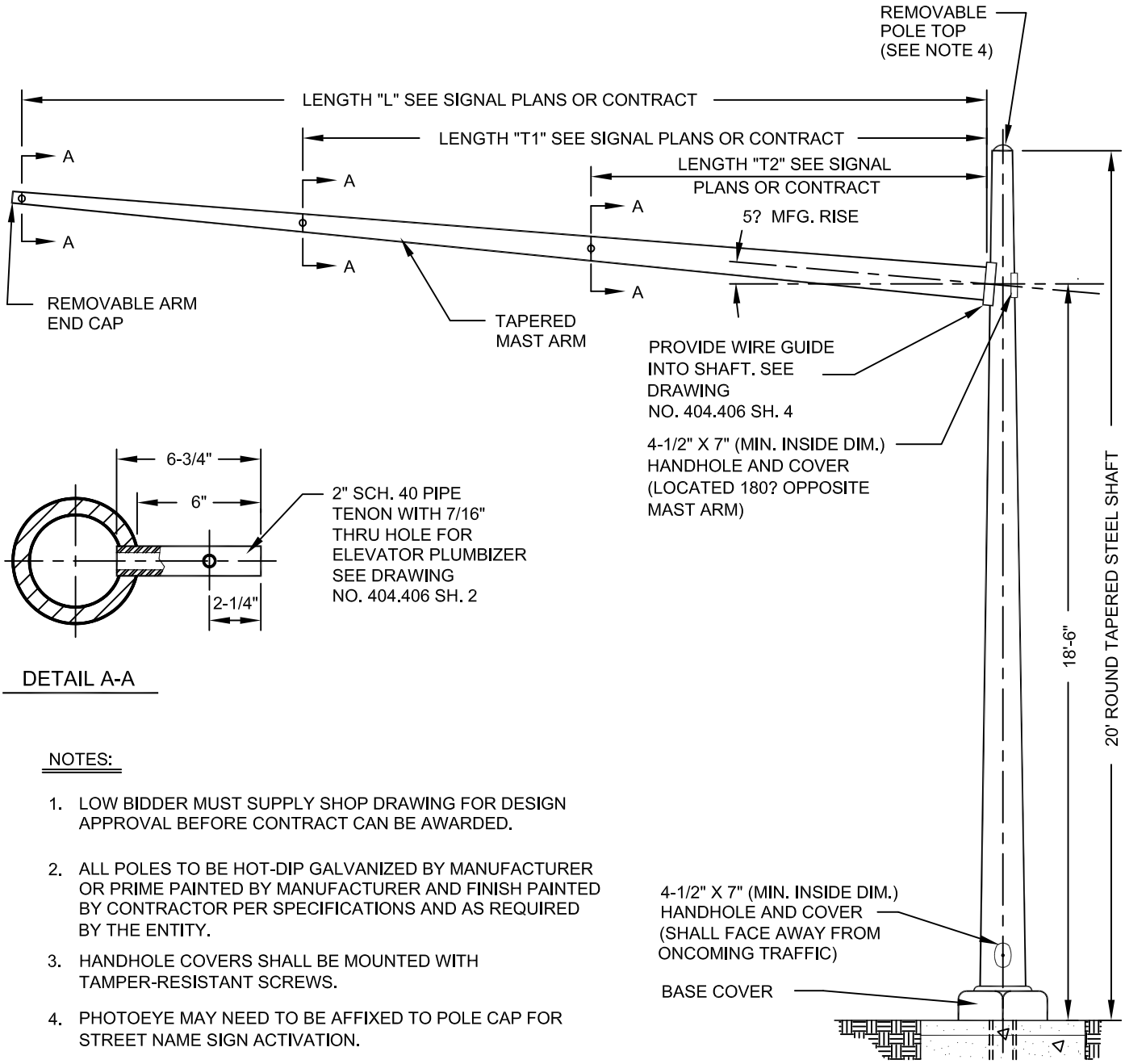
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

TYPE XX
20'-0" SIGNAL POLE
(45' OR LESS MAST ARMS)

DATE	9-14-06	DWG. NO.	404.407	SHEET	1 OF 2

Effective 07/01/09 - 12/30/09



DETAIL A-A

NOTES:

1. LOW BIDDER MUST SUPPLY SHOP DRAWING FOR DESIGN APPROVAL BEFORE CONTRACT CAN BE AWARDED.
2. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
3. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.
4. PHOTOEYE MAY NEED TO BE AFFIXED TO POLE CAP FOR STREET NAME SIGN ACTIVATION.
5. MULTI-SIDED POLE MAST ARM WITH A MINIMUM OF 16 SIDES MAY BE USED IF DIRECTED BY THE ENTITY ENGINEER.

POLES DESIGNED PER SPECIFICATION OF A.A.S.H.T.O., 80 MPH WINDS.
(SEE DRAWING NO. 404.406 SHEET 5 FOR LOADING INFORMATION)

FOR OTHER DETAILS SEE DRAWING NO. 404.406 SHTS. 4 & 6.

FOR "L" TYPE FOUNDATION SEE DRAWING NO. 404.209.

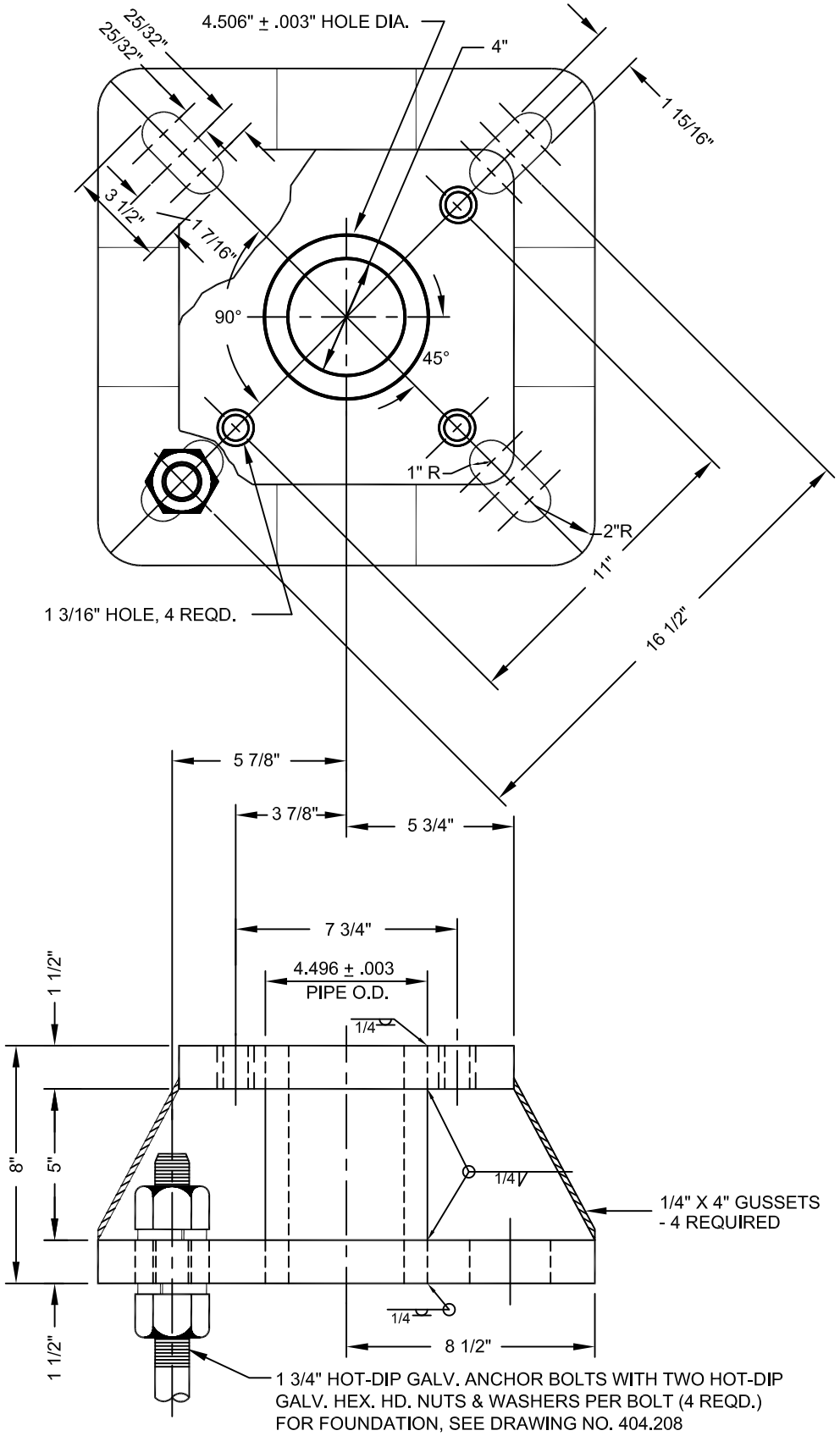
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

TYPE XX-A-20'-0"
(50' THRU 60' MAST ARMS)
SIGNAL POLE

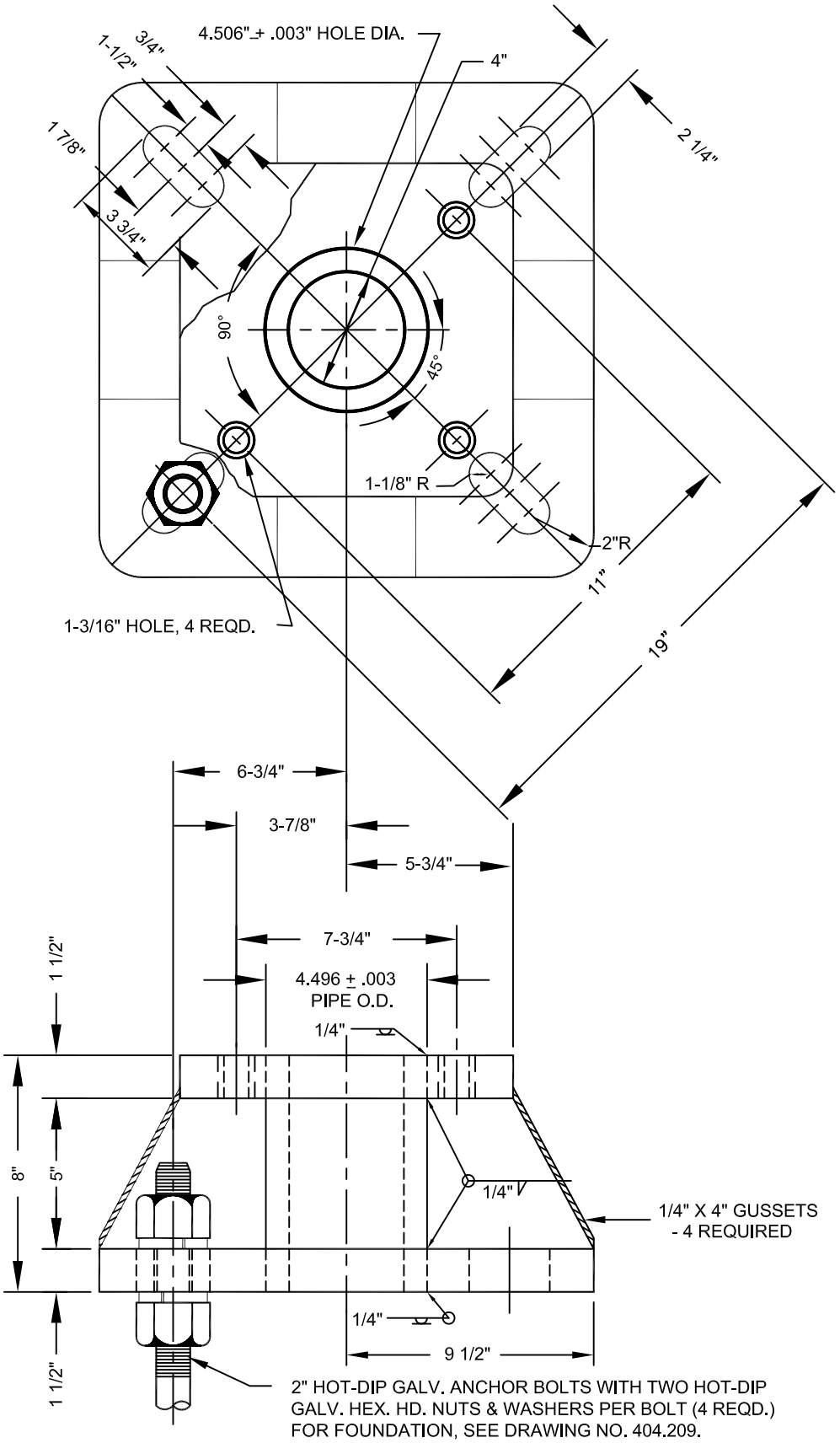
DATE 9-14-06	DWG. NO. 404.407	SHEET 2 OF 2

Effective 07/01/09 - 12/30/09



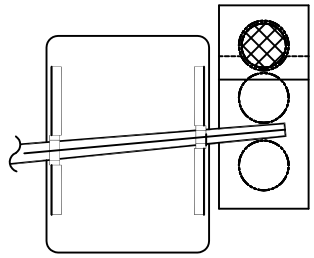
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		BASE ADAPTOR PLATE FOR TYPE "H" FOUNDATION		
		DATE 12-12-96	DWG. NO. 404.409	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09

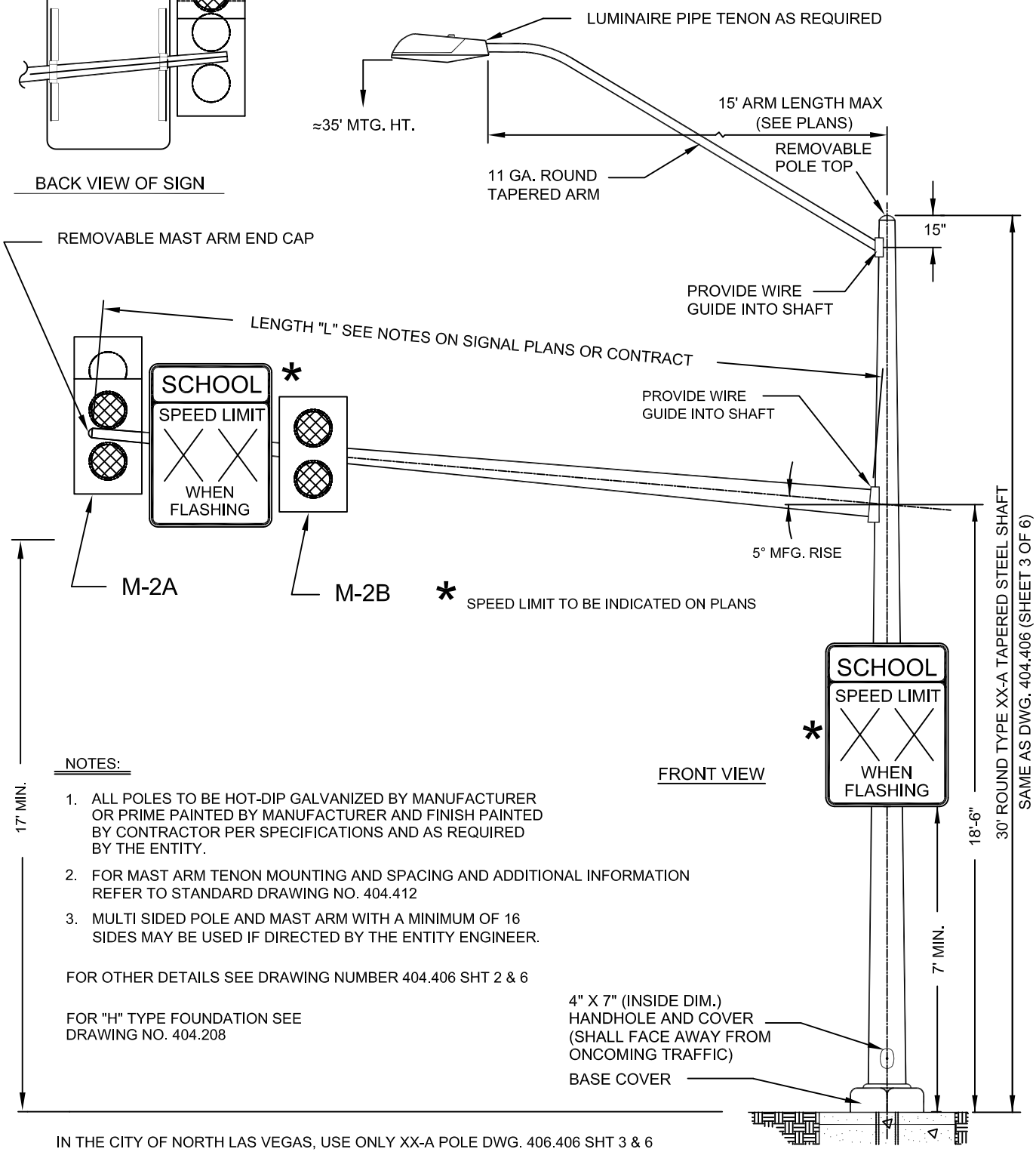


SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
		BASE ADAPTOR PLATE FOR TYPE "L" FOUNDATION
		DATE 12-12-96 | DWG. NO. 404.409 | SHEET 2 OF 2

Effective 07/01/09 - 12/30/09



BACK VIEW OF SIGN



NOTES:

1. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
2. FOR MAST ARM TENON MOUNTING AND SPACING AND ADDITIONAL INFORMATION REFER TO STANDARD DRAWING NO. 404.412
3. MULTI SIDED POLE AND MAST ARM WITH A MINIMUM OF 16 SIDES MAY BE USED IF DIRECTED BY THE ENTITY ENGINEER.

FOR OTHER DETAILS SEE DRAWING NUMBER 404.406 SHT 2 & 6

FOR "H" TYPE FOUNDATION SEE DRAWING NO. 404.208

IN THE CITY OF NORTH LAS VEGAS, USE ONLY XX-A POLE DWG. 406.406 SHT 3 & 6
FOR "L" FOUNDATION SEE DWG. 404.209

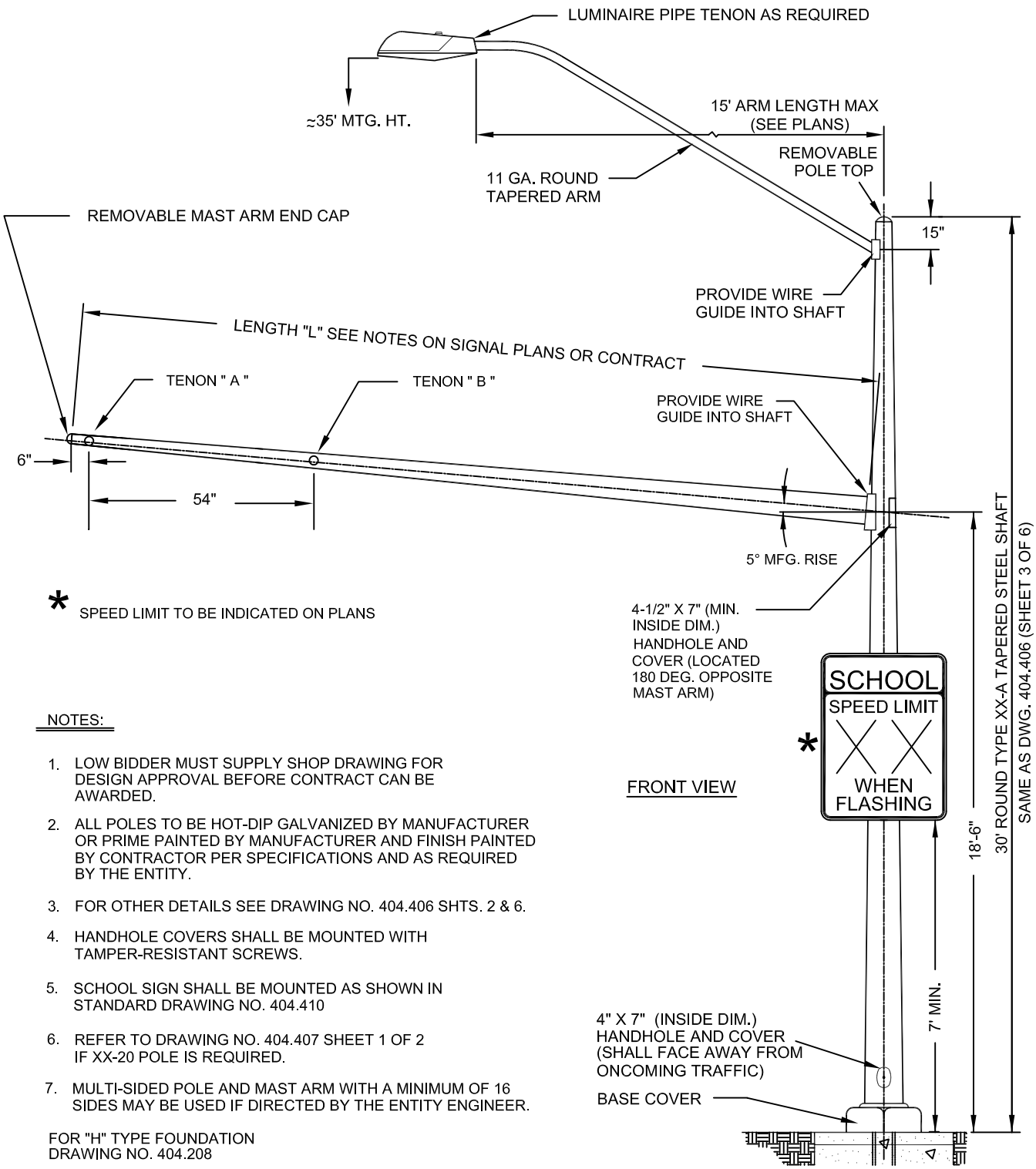
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

30' POLE WITH SCHOOL FLASHING SIGN

DATE	9-14-06	DWG. NO.	404.410	SHEET	1 OF 1

Effective 07/01/09 - 12/30/09



NOTES:

1. LOW BIDDER MUST SUPPLY SHOP DRAWING FOR DESIGN APPROVAL BEFORE CONTRACT CAN BE AWARDED.
2. ALL POLES TO BE HOT-DIP GALVANIZED BY MANUFACTURER OR PRIME PAINTED BY MANUFACTURER AND FINISH PAINTED BY CONTRACTOR PER SPECIFICATIONS AND AS REQUIRED BY THE ENTITY.
3. FOR OTHER DETAILS SEE DRAWING NO. 404.406 SHTS. 2 & 6.
4. HANDHOLE COVERS SHALL BE MOUNTED WITH TAMPER-RESISTANT SCREWS.
5. SCHOOL SIGN SHALL BE MOUNTED AS SHOWN IN STANDARD DRAWING NO. 404.410
6. REFER TO DRAWING NO. 404.407 SHEET 1 OF 2 IF XX-20 POLE IS REQUIRED.
7. MULTI-SIDED POLE AND MAST ARM WITH A MINIMUM OF 16 SIDES MAY BE USED IF DIRECTED BY THE ENTITY ENGINEER.

FOR "H" TYPE FOUNDATION
DRAWING NO. 404.208

IN THE CITY OF NORTH LAS VEGAS, USE ONLY XX-A POLE DWG. 406.406 SHT 3 & 6

FOR "L" FOUNDATION SEE DWG. 404.209

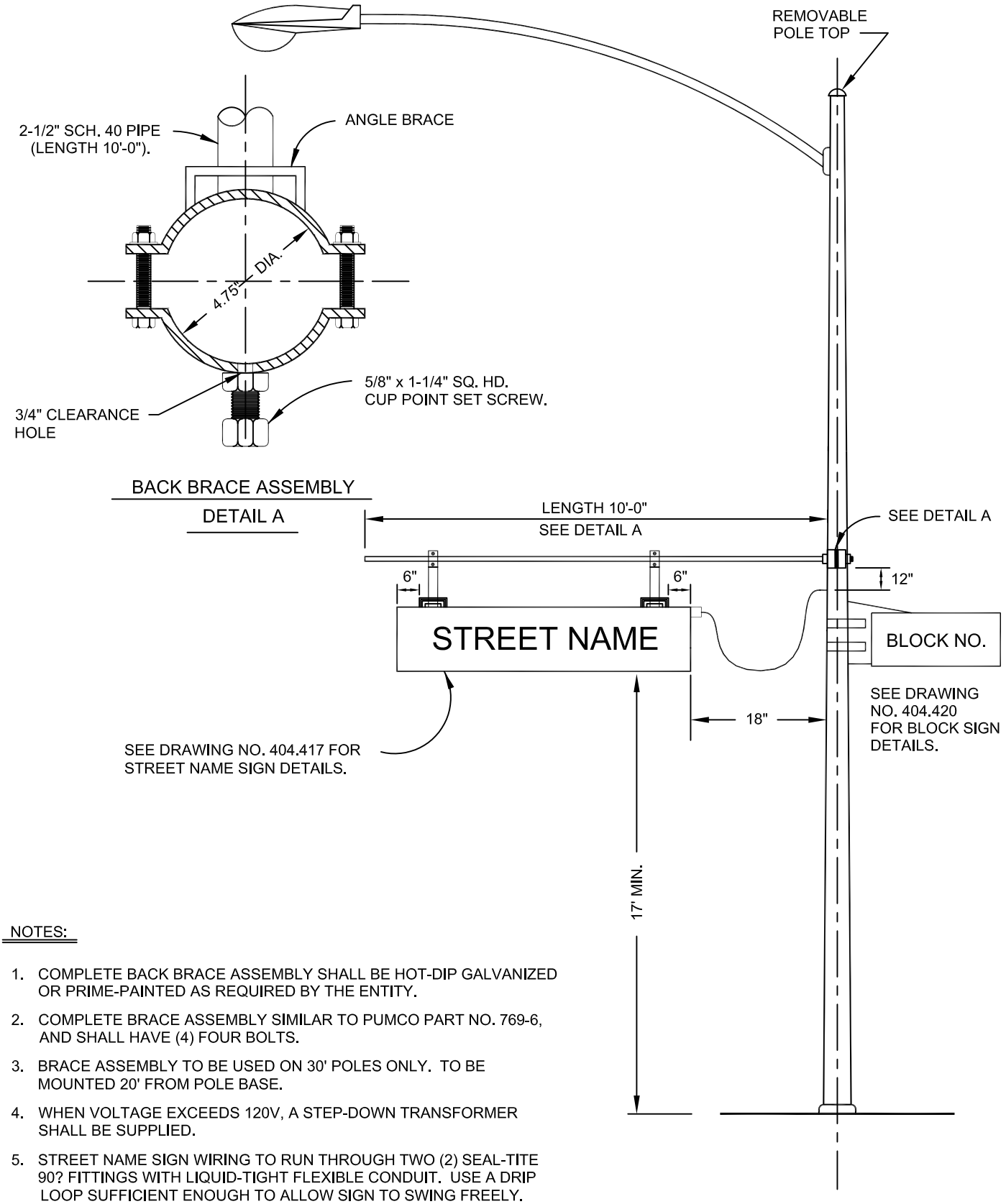
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

SCHOOL SIGN POLE
TYPE XX-A

DATE 04-12-07 | DWG. NO. 404.412

Effective 07/01/09 - 12/30/09

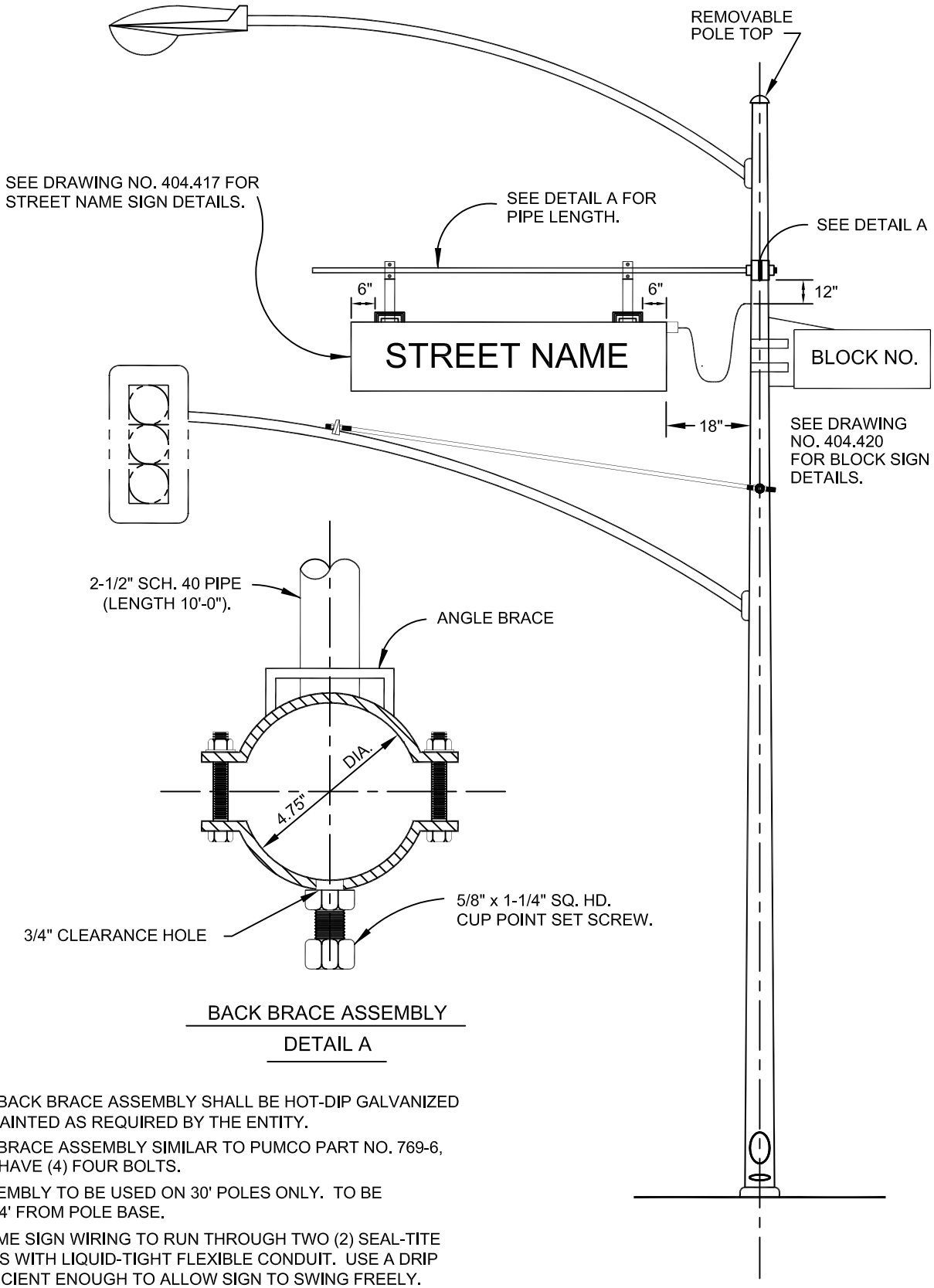


NOTES:

1. COMPLETE BACK BRACE ASSEMBLY SHALL BE HOT-DIP GALVANIZED OR PRIME-PAINTED AS REQUIRED BY THE ENTITY.
2. COMPLETE BRACE ASSEMBLY SIMILAR TO PUMCO PART NO. 769-6, AND SHALL HAVE (4) FOUR BOLTS.
3. BRACE ASSEMBLY TO BE USED ON 30' POLES ONLY. TO BE MOUNTED 20' FROM POLE BASE.
4. WHEN VOLTAGE EXCEEDS 120V, A STEP-DOWN TRANSFORMER SHALL BE SUPPLIED.
5. STREET NAME SIGN WIRING TO RUN THROUGH TWO (2) SEAL-TITE 90? FITTINGS WITH LIQUID-TIGHT FLEXIBLE CONDUIT. USE A DRIP LOOP SUFFICIENT ENOUGH TO ALLOW SIGN TO SWING FREELY.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		STREETLIGHTING POLE WITH ILLUMINATED STREET NAME SIGN		
		DATE 12-12-96	DWG. NO. 404.414	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



BACK BRACE ASSEMBLY

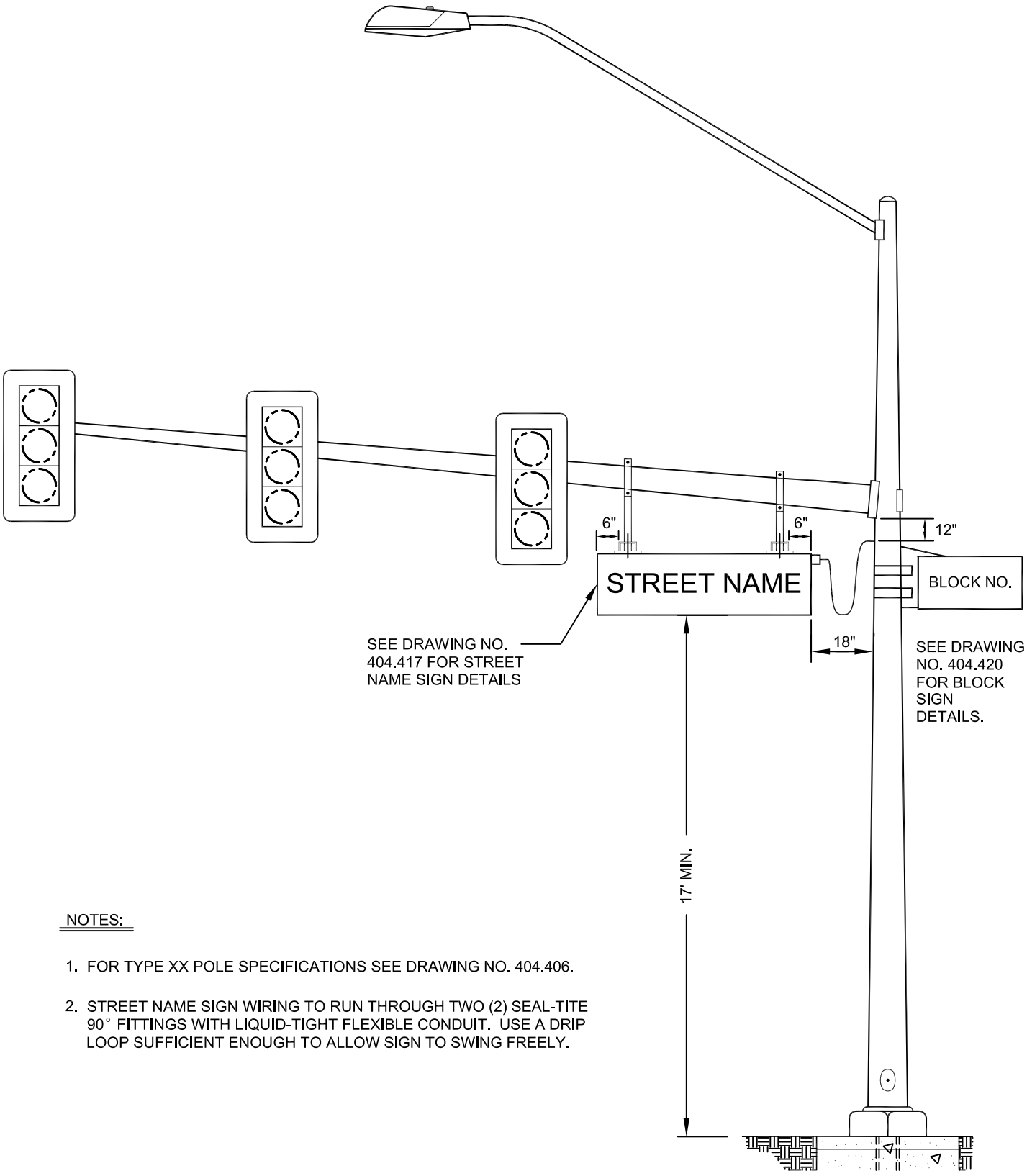
DETAIL A

NOTES:

1. COMPLETE BACK BRACE ASSEMBLY SHALL BE HOT-DIP GALVANIZED OR PRIME-PAINTED AS REQUIRED BY THE ENTITY.
2. COMPLETE BRACE ASSEMBLY SIMILAR TO PUMCO PART NO. 769-6, AND SHALL HAVE (4) FOUR BOLTS.
3. BRACE ASSEMBLY TO BE USED ON 30' POLES ONLY. TO BE MOUNTED 24' FROM POLE BASE.
4. STREET NAME SIGN WIRING TO RUN THROUGH TWO (2) SEAL-TITE 90? FITTINGS WITH LIQUID-TIGHT FLEXIBLE CONDUIT. USE A DRIP LOOP SUFFICIENT ENOUGH TO ALLOW SIGN TO SWING FREELY.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TYPE III POLE WITH ILLUMINATED STREET NAME SIGN		
		DATE 12-12-96	DWG. NO. 404.415	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

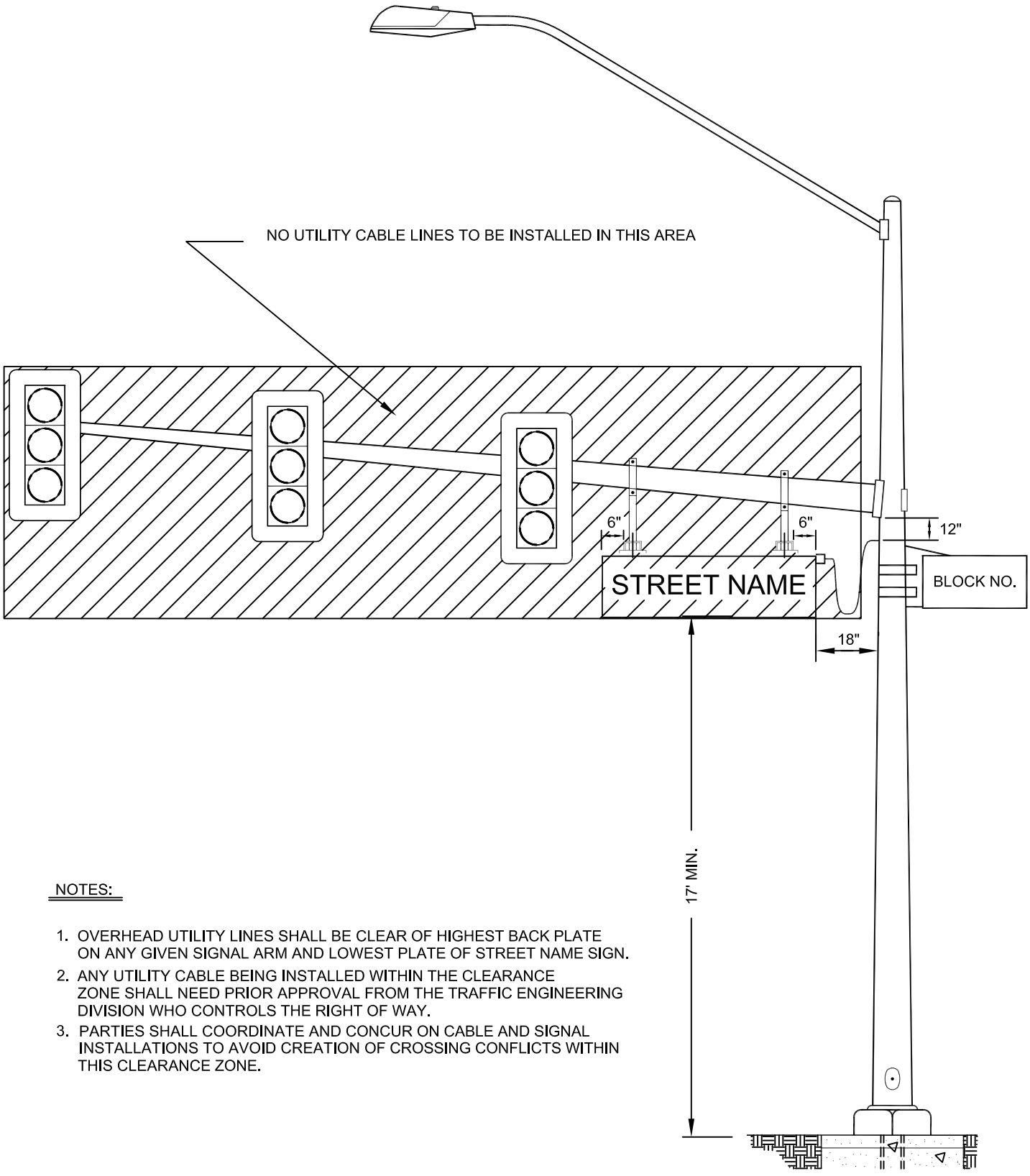


NOTES:

1. FOR TYPE XX POLE SPECIFICATIONS SEE DRAWING NO. 404.406.
2. STREET NAME SIGN WIRING TO RUN THROUGH TWO (2) SEAL-TITE 90° FITTINGS WITH LIQUID-TIGHT FLEXIBLE CONDUIT. USE A DRIP LOOP SUFFICIENT ENOUGH TO ALLOW SIGN TO SWING FREELY.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA			
		TYPE XX POLE WITH ILLUMINATED STREET NAME SIGN			
		DATE 4-9-98	DWG. NO. 404.416	SHEET 1 OF 1	

Effective 07/01/09 - 12/30/09

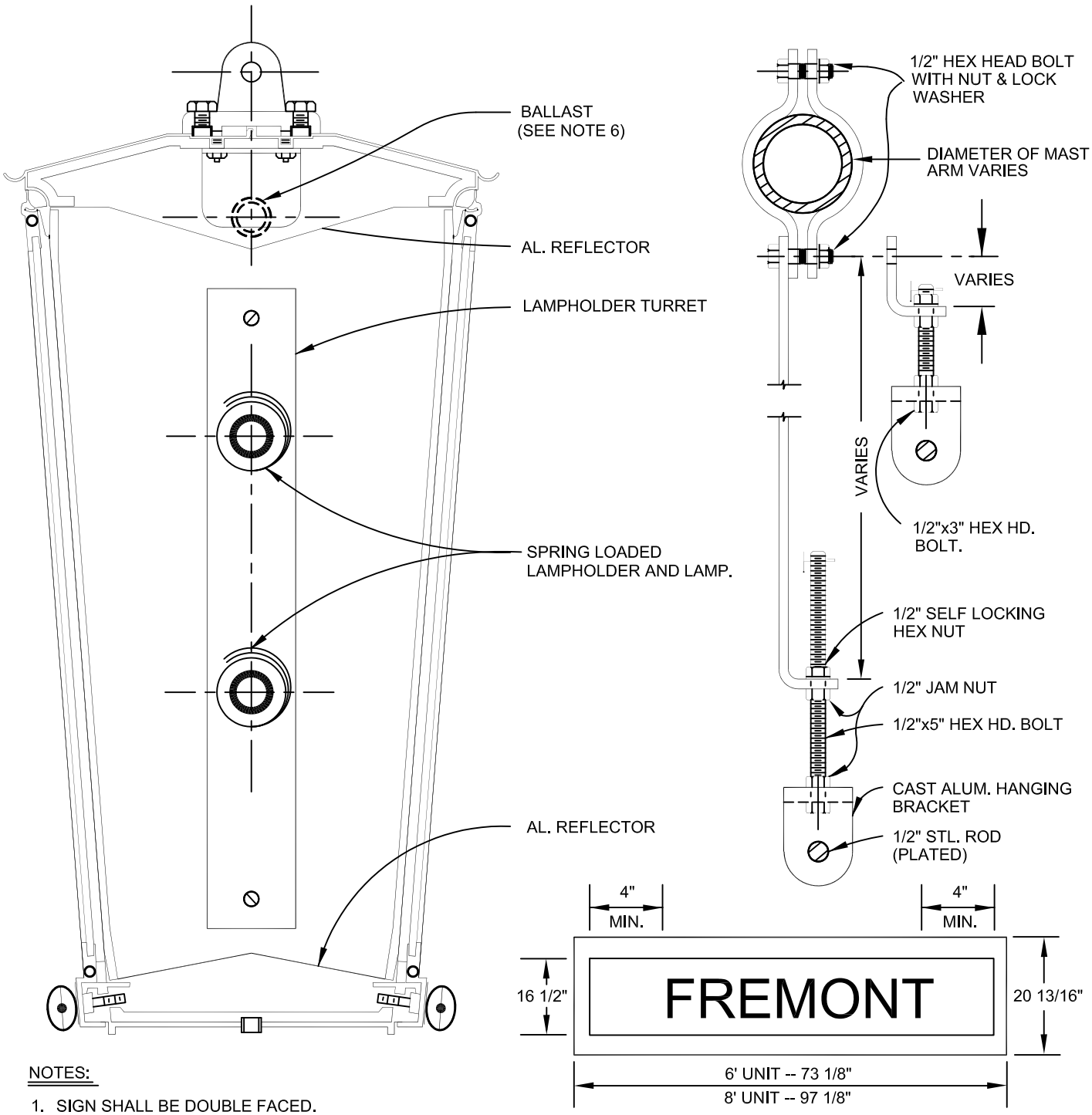


NOTES:

1. OVERHEAD UTILITY LINES SHALL BE CLEAR OF HIGHEST BACK PLATE ON ANY GIVEN SIGNAL ARM AND LOWEST PLATE OF STREET NAME SIGN.
2. ANY UTILITY CABLE BEING INSTALLED WITHIN THE CLEARANCE ZONE SHALL NEED PRIOR APPROVAL FROM THE TRAFFIC ENGINEERING DIVISION WHO CONTROLS THE RIGHT OF WAY.
3. PARTIES SHALL COORDINATE AND CONCUR ON CABLE AND SIGNAL INSTALLATIONS TO AVOID CREATION OF CROSSING CONFLICTS WITHIN THIS CLEARANCE ZONE.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		UTILITY CABLE CLEARANCE OVER TRAFFIC SIGNALS NEW INSTALLATION ONLY		
		DATE 2-08-07	DWG. NO. 404.416A	

Effective 07/01/09 - 12/30/09



NOTES:

1. SIGN SHALL BE DOUBLE FACED.
2. SIGN PANEL SHALL BE WHITE WIDE-ANGLE PRISMATIC TRANSLUCENT CLASS 6 REFLECTIVE SHEETING, EITHER REVERSE-SCREENED WITH MANUFACTURER'S RECOMMENDED GREEN INK AND CLEAR COATING OR OVERLAYED WITH GREEN ELECTRONIC CUTABLE TRANSPARENT OVERLAY FILM, APPLIED TO A POLYCARBONATE CLEAR SUBSTRATE, 0.1875" GAGE.
3. LETTERS SHALL BE 8" SERIES E AND, UNLESS OTHERWISE SPECIFIED BY THE TRAFFIC ENGINEER, SHALL BE ALL UPPERCASE WITH NO STREET NAME SUFFIX. IF NECESSARY TO MAKE SPACING FIT, REDUCE TO 8" SERIES D. SPACING BETWEEN LETTERS MAY BE INCREASED BY UP TO 25% (MAX) TO ACHIEVE 4" END SPACES.
4. APPROVAL OF SHOP DRAWING OF SIGNFACE LAYOUT BY TRAFFIC ENGINEER IS REQUIRED PRIOR TO FABRICATION OF SIGN PANELS.
5. SHEETING SHALL BE APPLIED IN A VERTICAL ORIENTATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
6. ADVANCE BALLAST RSM175STP FOR EACH FLUORESCENT TUBE IS REQUIRED AND NO SUBSTITUTES.

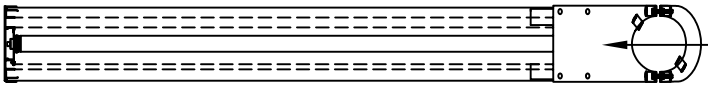
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

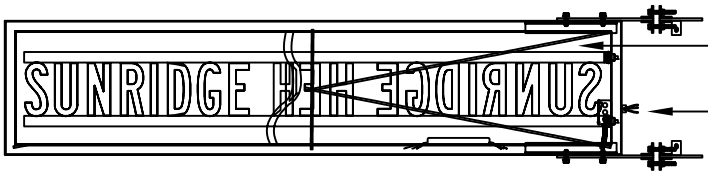
STREET NAME SIGN
INTERNALLY ILLUMINATED

DATE	3-9-06	DWG. NO.	404.417	SHEET	1 OF 1

Effective 07/01/09 - 12/30/09

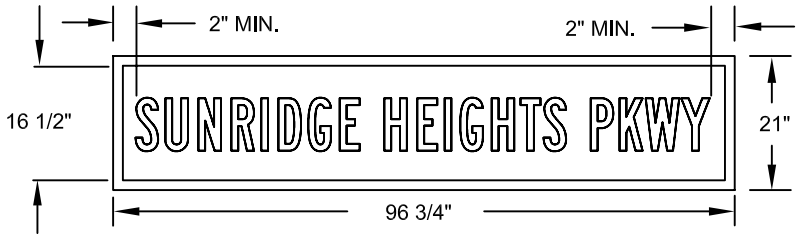


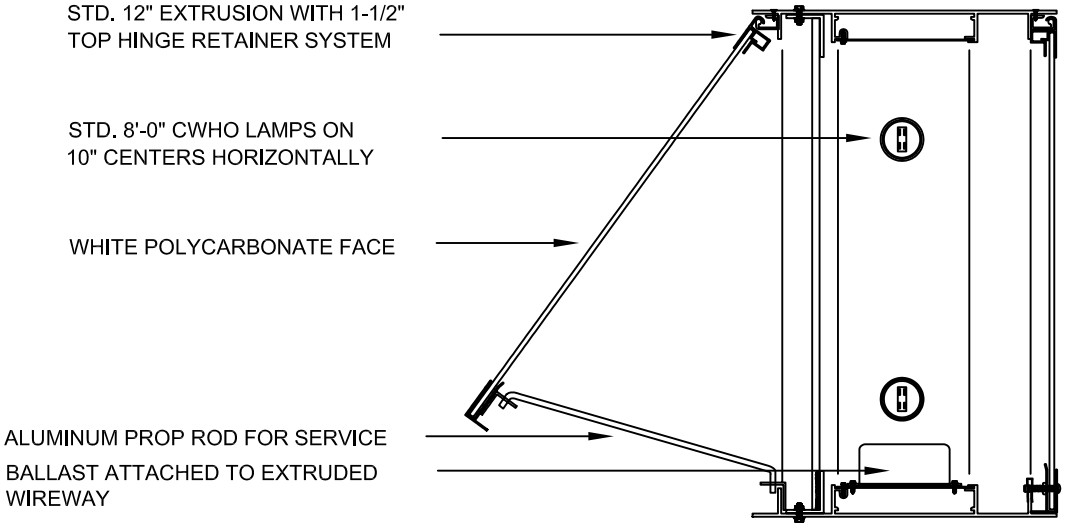
FLAG MOUNT BRACKET



3/8" SUPPORT RODS TO PREVENT VERTICAL SAG OF CABINET

HANDI-BOX FOR INCOMING PRIMARY



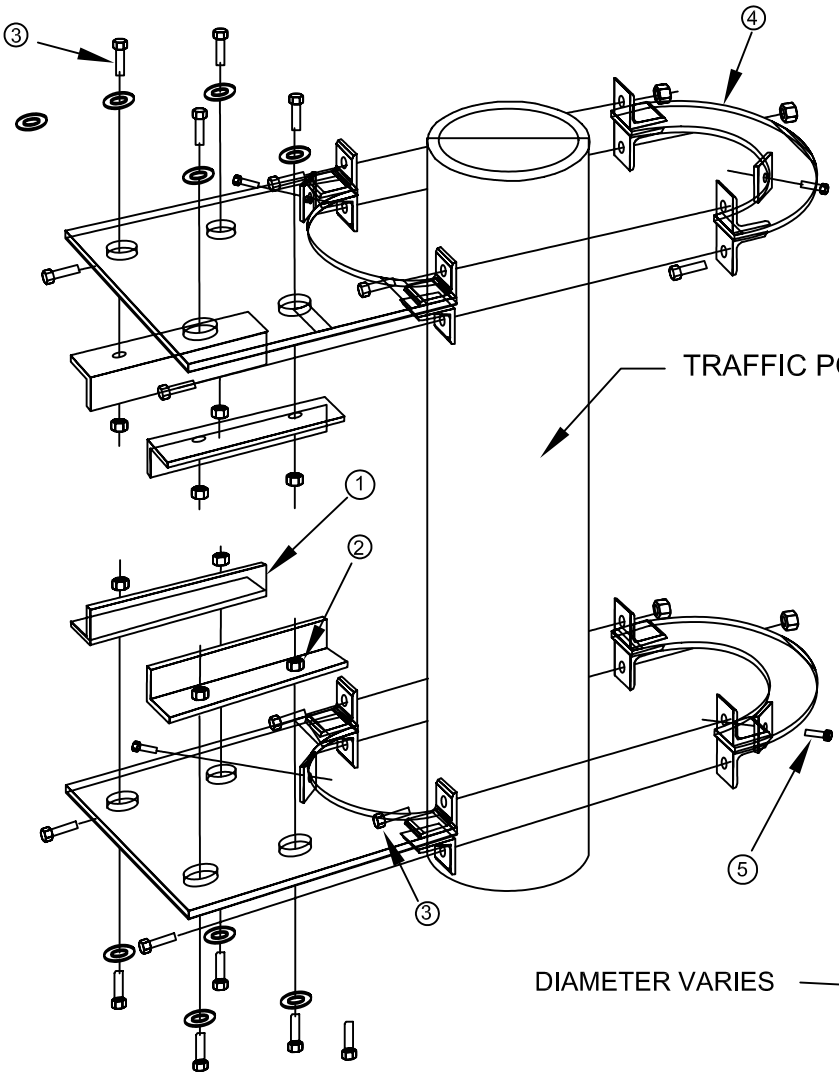


NOTES:

1. SIGN SHALL BE DOUBLE FACED.
2. ALUMINUM EXTRUSION CABINET 12" DEEP - MILL FINISH WITH ALL ALUMINUM INTERNAL STRUCTURE.
3. TOP-HINGED RETAINER SYSTEM WITH PROP ROD FOR ACCESS AND SERVICE.
4. T12 800MA CWHO FLUORESCENT ILLUMINATION INTERNALLY.
5. SIGN PANEL SHALL BE WHITE WIDE-ANGLE PRISMATIC TRANSLUCENT REFLECTIVE SHEETING, EITHER REVERSE-SCREENED WITH MANUFACTURER'S RECOMMENDED GREEN INK AND CLEAR COATING OR OVERLAYED WITH GREEN ELECTRONIC CUTTABLE TRANSPARENT OVERLAY FILM, APPLIED TO A POLYCARBONATE CLEAR SUBSTRATE, 0.177" THICK.
6. LETTERS SHALL BE 8" SERIES E AND UNLESS OTHERWISE SPECIFIED BY THE TRAFFIC ENGINEER, SHALL BE ALL UPPERCASE WITH NO STREET NAME SUFFIX. IF NECESSARY TO MAKE SPACING FIT, REDUCE TO 8" SERIES D. SPACING BETWEEN LETTERS MAY BE INCREASED BY UP TO 25% (MAX) TO ACHIEVE 4" END SPACES.
7. STEEL BRACKETS SHALL BE USED FOR FLAG MOUNT POLE ATTACHMENT.
8. THE USE OF THE POLE MOUNTED STREET NAME SIGN SHALL BE APPROVED BY THE ENTITY ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA			
		ALTERNATIVE POLE MOUNTED STREET NAME SIGN INTERNALLY ILLUMINATED			
		DATE 11/10/05	DWG. NO. 404.417A	SHEET	1 OF 3

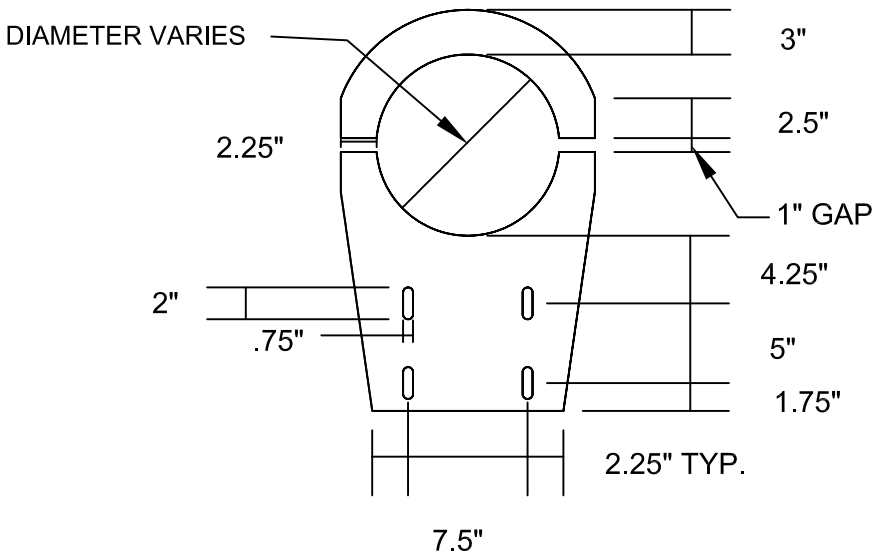
Effective 07/01/09 - 12/30/09



FLAG MOUNT ATTACHMENT DETAIL
NOT TO SCALE

①	ALUMINUM ANGLE WELDED TO INSIDE OF EXTRUDED CABINET
②	NUTS WELDED TO ANGLE
③	1/2" X 1 1/2" BOLTS
④	BRACKET FABRICATED FROM 3/8" PLATE STEEL
⑤	5/16" SET SCREWS INTO POLE

BRACKET DETAIL
NOT TO SCALE



SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

ALTERNATIVE POLE MOUNTED STREET NAME SIGN INTERNALLY ILLUMINATED ATTACHMENT DETAIL

DATE 11/10/05	DWG. NO. 404.417A	SHT 2 OF 3

Effective 07/01/09 - 12/30/09

INSTALLATION INSTRUCTIONS

* ATTACH BRACKETS ① TO CABINET END AT TOP AND BOTTOM WITH BOLTS PROVIDED LOSSELY TIGHTEN BOLTS (SNUG).

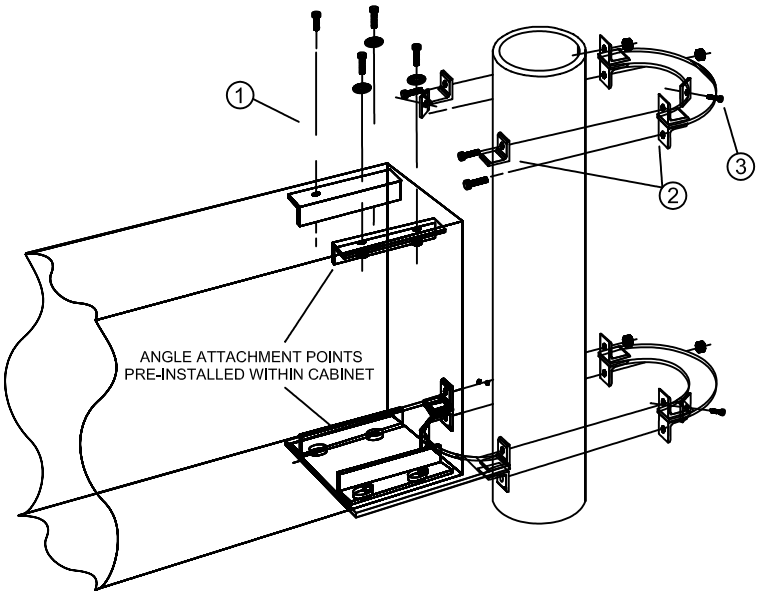
* LIFT CABINET WITH BRACKETS TO POLE AT FINISHED HEIGHT USING A NYLON LIFTING SNAP NEAR THE BRACKETS (WHERE BALANCED).

* ATTACH BRACKET HALVES ② TOGETHER AROUND POLE WITH PROVIDED HARDWARE AS SHOWN.

* MOVE LIFTING STRIP TO CENTER OF CABINET & LEVEL THEN TIGHTEN BOLTS INTO CABINET.

* ATTACH SET SCREWS ③ THROUGH BRACKET INTO POLE AS SHOWN.

* HOOK UP ELECTRICAL CONNECTION (SEE PAGE 2 FOR AN EXAMPLE).



WIRING RECOMMENDATIONS

* LOCATE & DRILL A 3/4" DIA. HOLE Ⓐ THRU POLE. THREAD HOLE WITH 1/2" PIPE THREAD TAP.

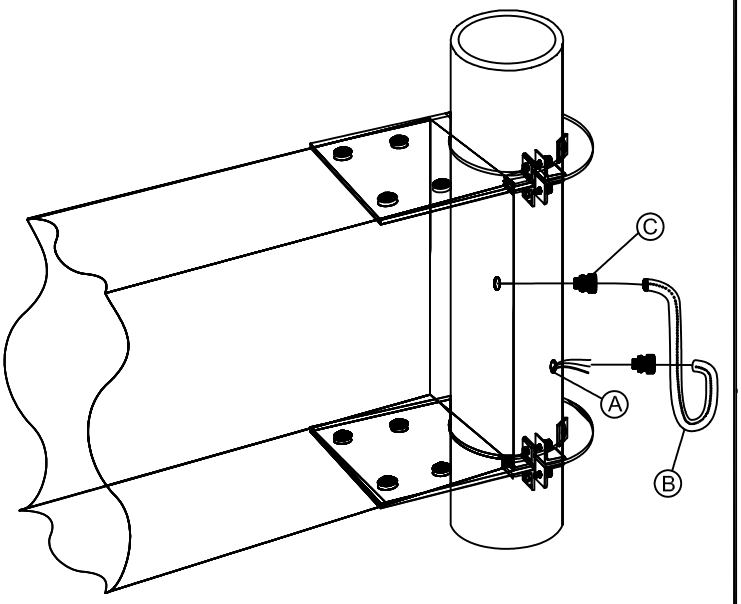
* PULL WIRES FROM GROUND THRU TAPPED HOLE GUIDE WIRES TO AVOID SCRAPING INSULATION.

* ASSEMBLE LIQUID TIGHT 1/2" CONDUIT Ⓑ & FITTING Ⓒ TO CONNECT POLE TO CABINET.

* FEED WIRES THRU CONDUIT & INTO CABINET, USE A 2X4 HANDY BOX INSIDE OF CABINET TO FACILITATE WIRE PULLING.

*AFTER FEEDING WIRES, THEN THREAD FITTINGS INTO THREADED HOLE IN POLE & CABINET.

*WIRE BALLAST INSIDE CABINET AS REQUIRED.



NOTE: THE STREET NAME SIGN SHALL BE MOUNTED 18" ABOVE THE MAST ARM

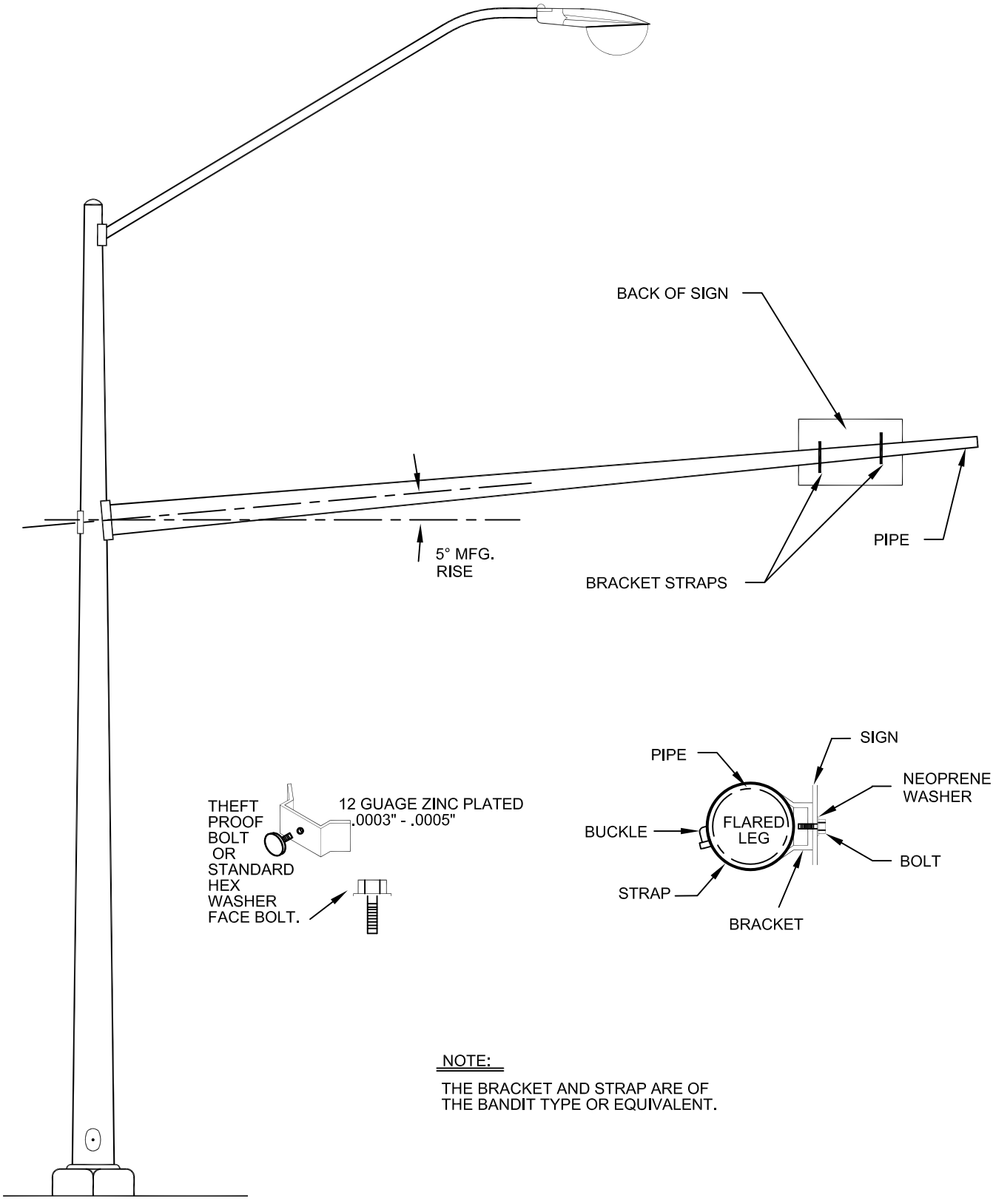
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

ALTERNATIVE POLE MOUNTED STREET NAME SIGN INTERNALLY ILLUMINATED BRACKET DETAIL

DATE 11/10/05	DWG. NO. 404.417A	SHT 3 OF 3

Effective 07/01/09 - 12/30/09

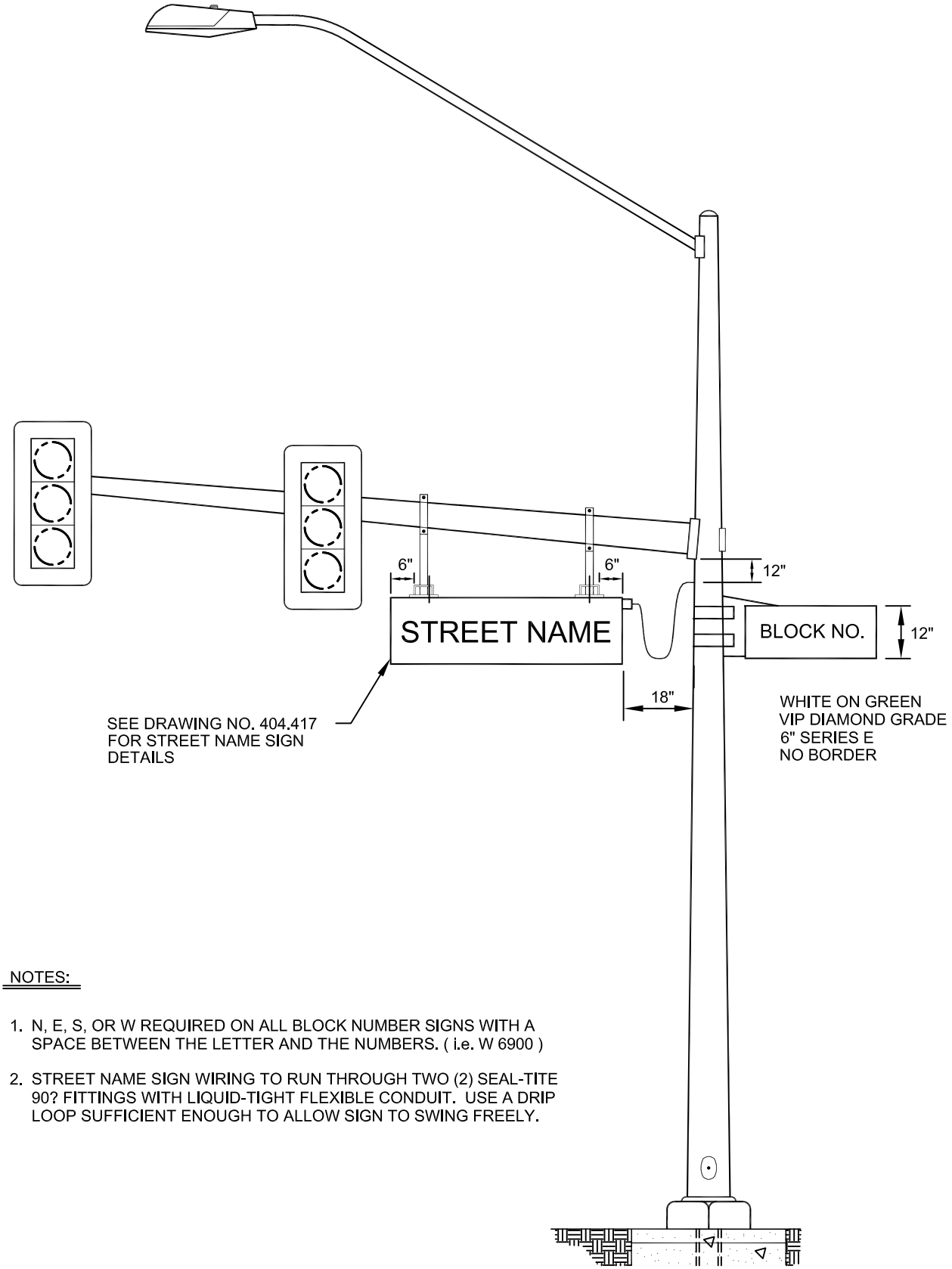


NOTE:

THE BRACKET AND STRAP ARE OF THE BANDIT TYPE OR EQUIVALENT.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGN MOUNTING ILLUSTRATION		
DATE 4-9-98	DWG. NO. 404.418	SHEET 1 OF 1		

Effective 07/01/09 - 12/30/09

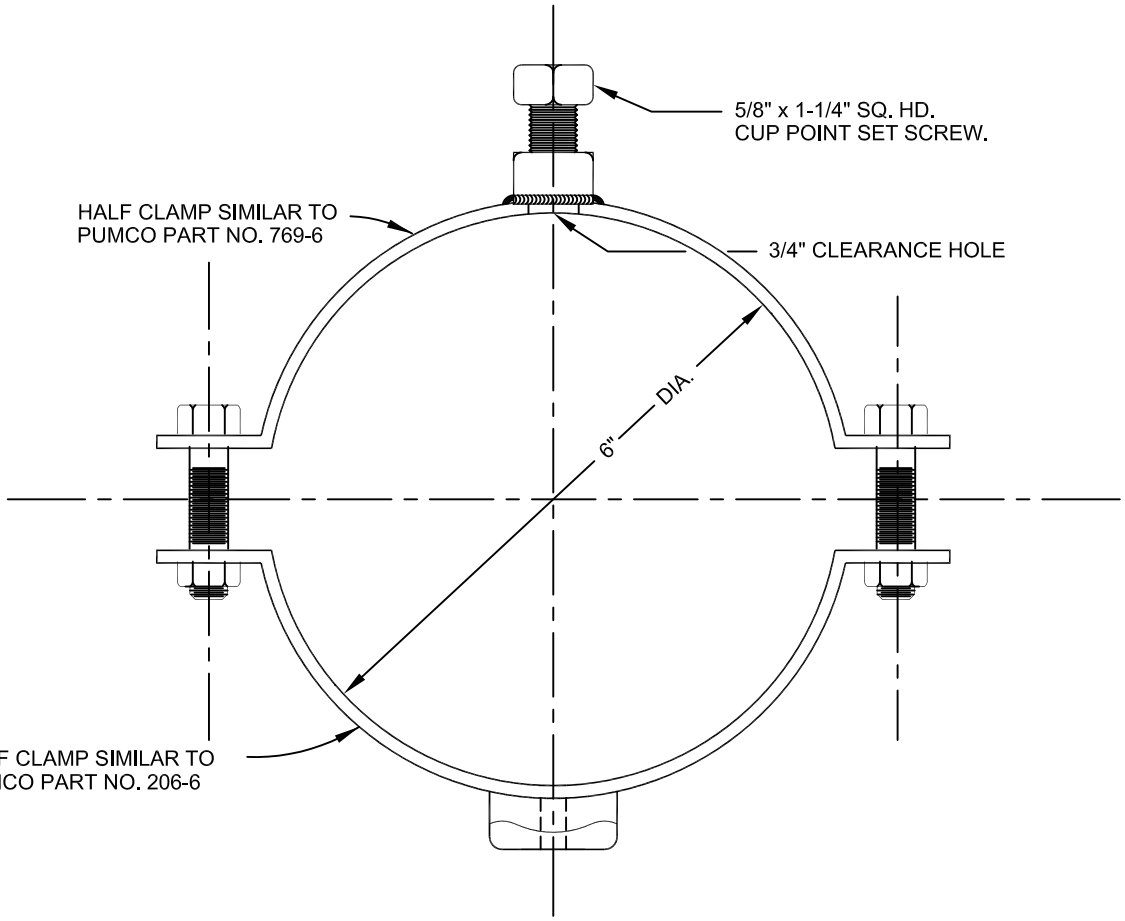


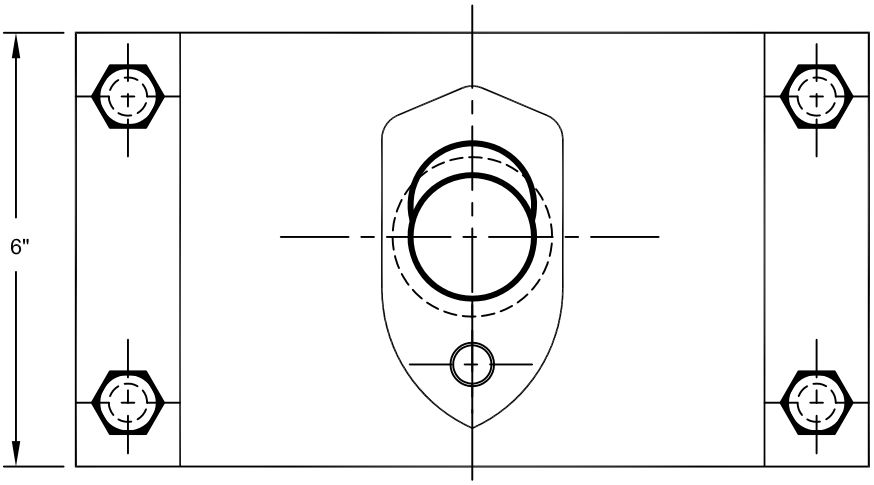
NOTES:

1. N, E, S, OR W REQUIRED ON ALL BLOCK NUMBER SIGNS WITH A SPACE BETWEEN THE LETTER AND THE NUMBERS. (i.e. W 6900)
2. STREET NAME SIGN WIRING TO RUN THROUGH TWO (2) SEAL-TITE 90? FITTINGS WITH LIQUID-TIGHT FLEXIBLE CONDUIT. USE A DRIP LOOP SUFFICIENT ENOUGH TO ALLOW SIGN TO SWING FREELY.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		BLOCK NUMBER SIGN		
		DATE 4-9-98	DWG. NO. 404.420	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



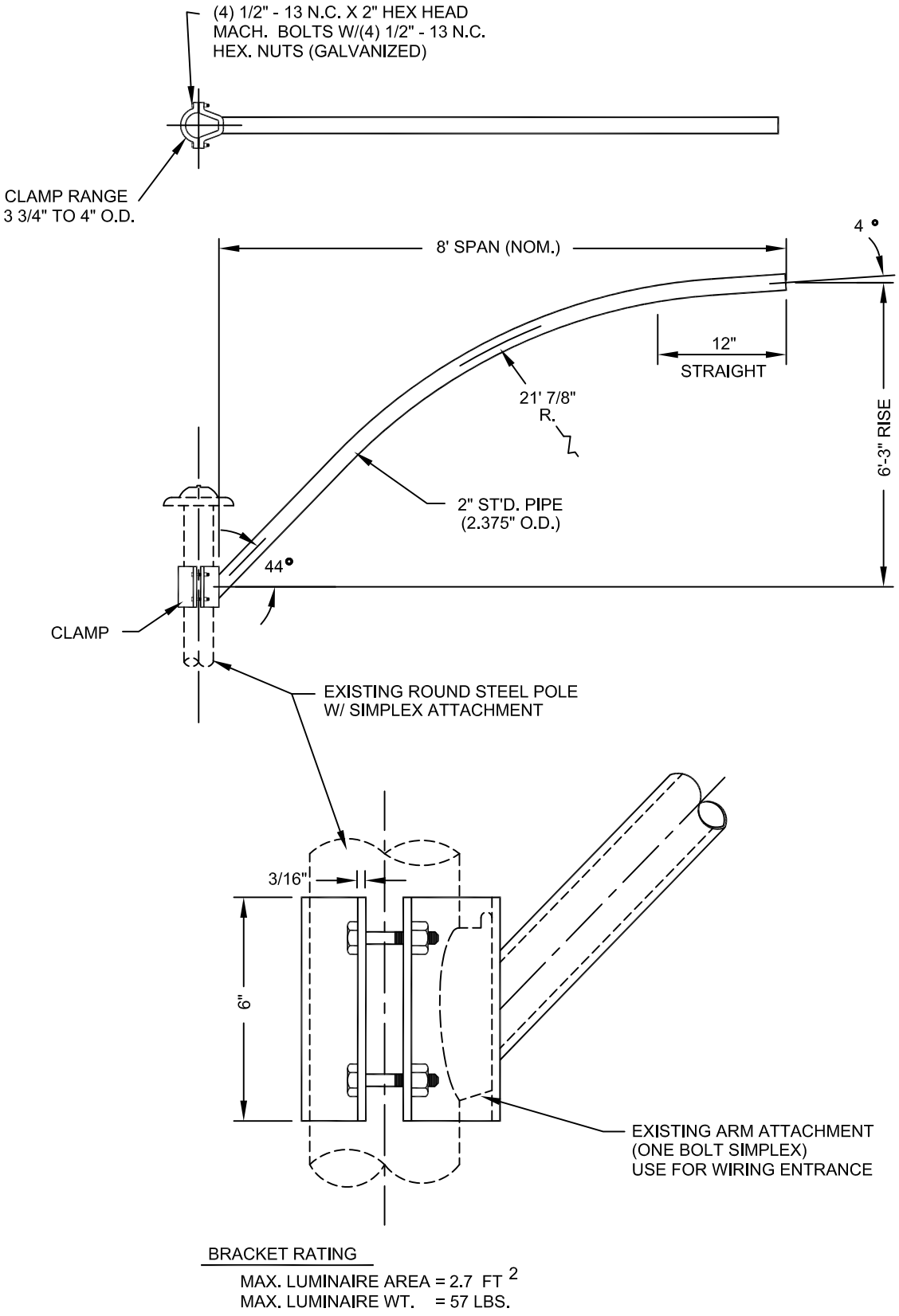


NOTES:

1. COMPLETE ASSEMBLY SHALL BE HOT-DIP GALVANIZED OR PRIME-PAINTED AS REQUIRED BY THE ENTITY.
2. COMPLETE ASSEMBLY SIMILAR TO PUMCO PART NO. 207-769-6.
3. THIS ASSEMBLY TO BE USED ON EXISTING 30' POLES ONLY.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		ONE BOLT SIMPLEX ARM ATTACHMENT CLAMP ASSEMBLY		
		DATE 12-12-96	DWG. NO. 404.502	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



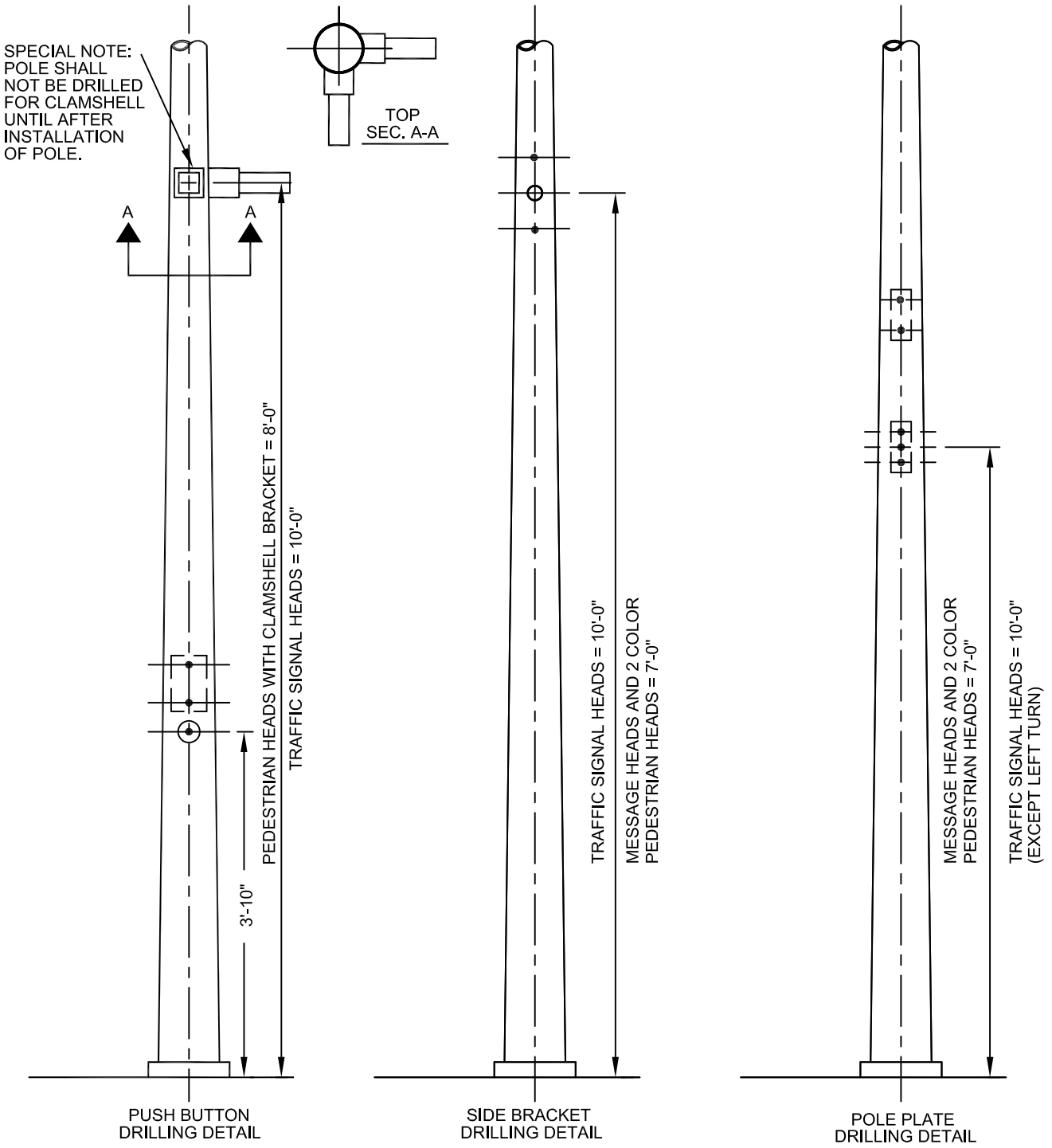
BRACKET RATING

MAX. LUMINAIRE AREA = 2.7 FT ^{2}
MAX. LUMINAIRE WT. = 57 LBS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA			
		RETROFIT STREETLIGHT MAST ARM			
		DATE	DWG. NO. 404.503	SHEET	1 OF 1

Effective 07/01/09 - 12/30/09

(NO SCALE)



PUSH BUTTON DRILLING DETAIL

SIDE BRACKET DRILLING DETAIL

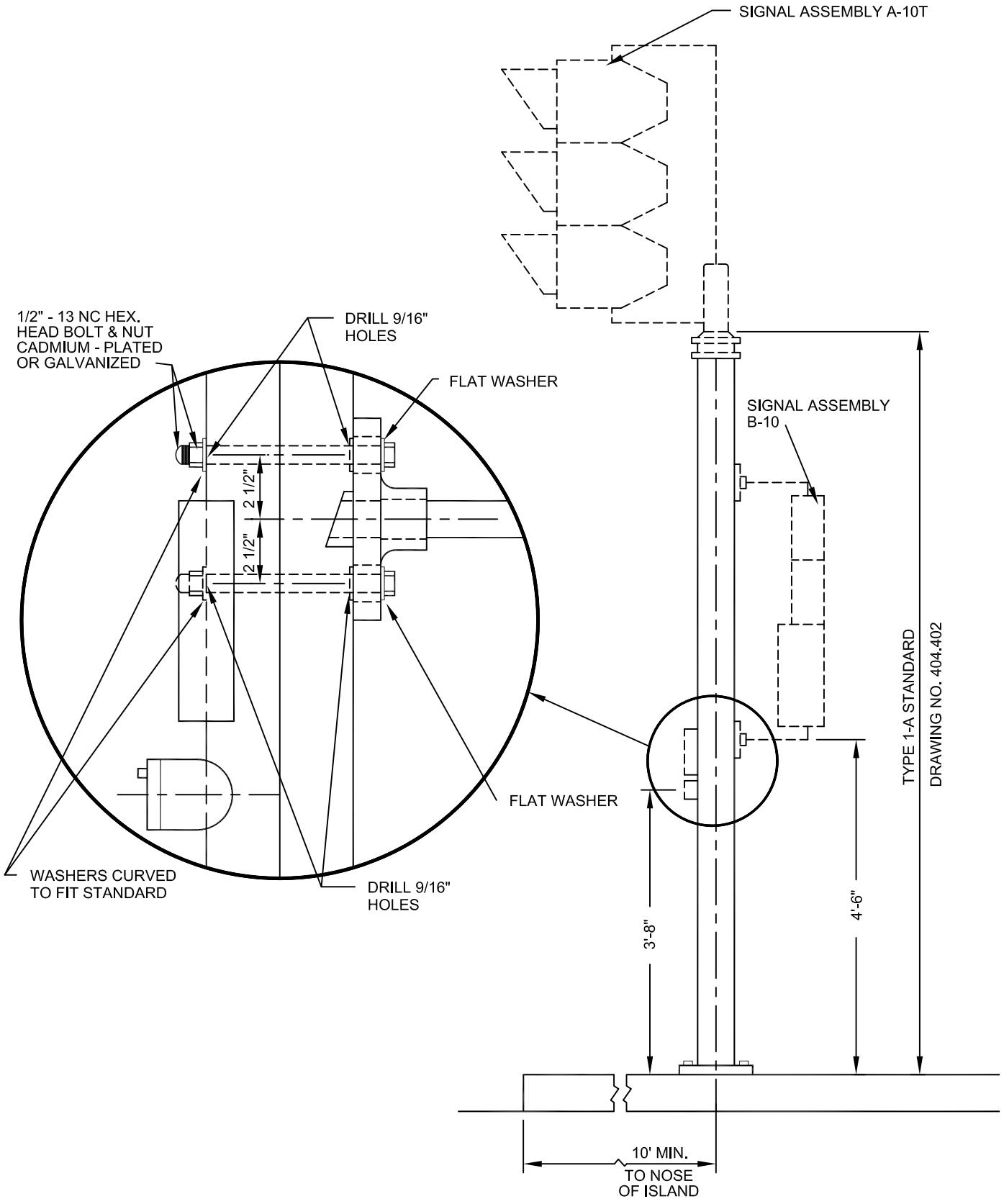
POLE PLATE DRILLING DETAIL

NOTES:

1. DRILLING OF POLE TO BE ORIENTED ACCORDING TO POLE LAYOUT, SPECIFICATIONS, AND AND ENGINEER.
2. DIMENSIONS ARE FROM CURB LEVEL.
3. DIMENSIONS ARE TO WIRE INLET HOLE ONLY. USE MANUFACTURER'S TEMPLATE TO LOCATE ALL OTHER HOLES.
4. ALL HOLES ARE TO CONFORM TO MANUFACTURER'S RECOMMENDATIONS.

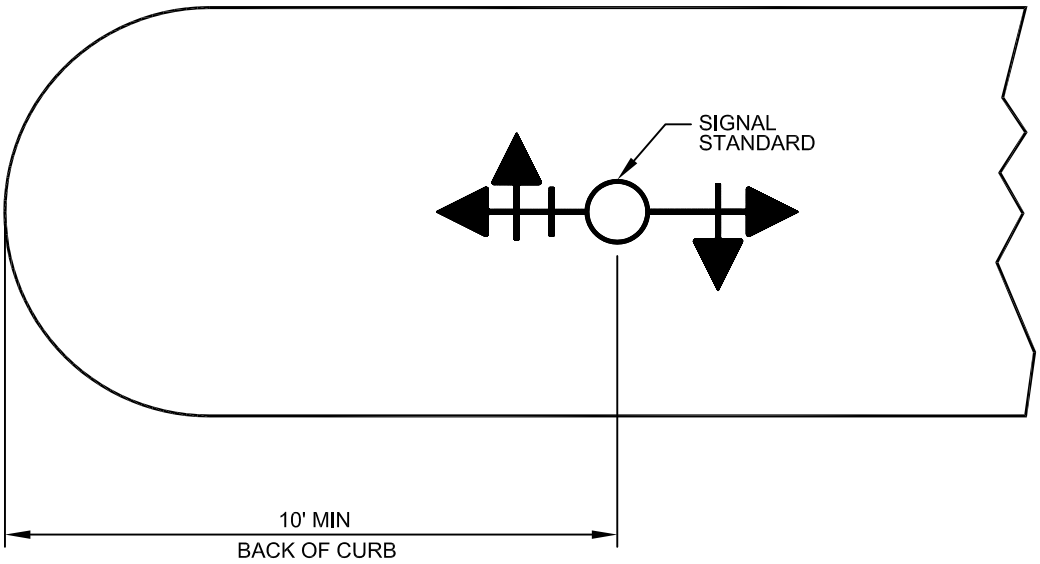
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		POLE DRILLING DETAILS		
		DATE	DWG. NO. 404.600	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		ISLAND SIGNAL POLE DETAILS FOR 10' POLE		
		DATE	DWG. NO. 404.601	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

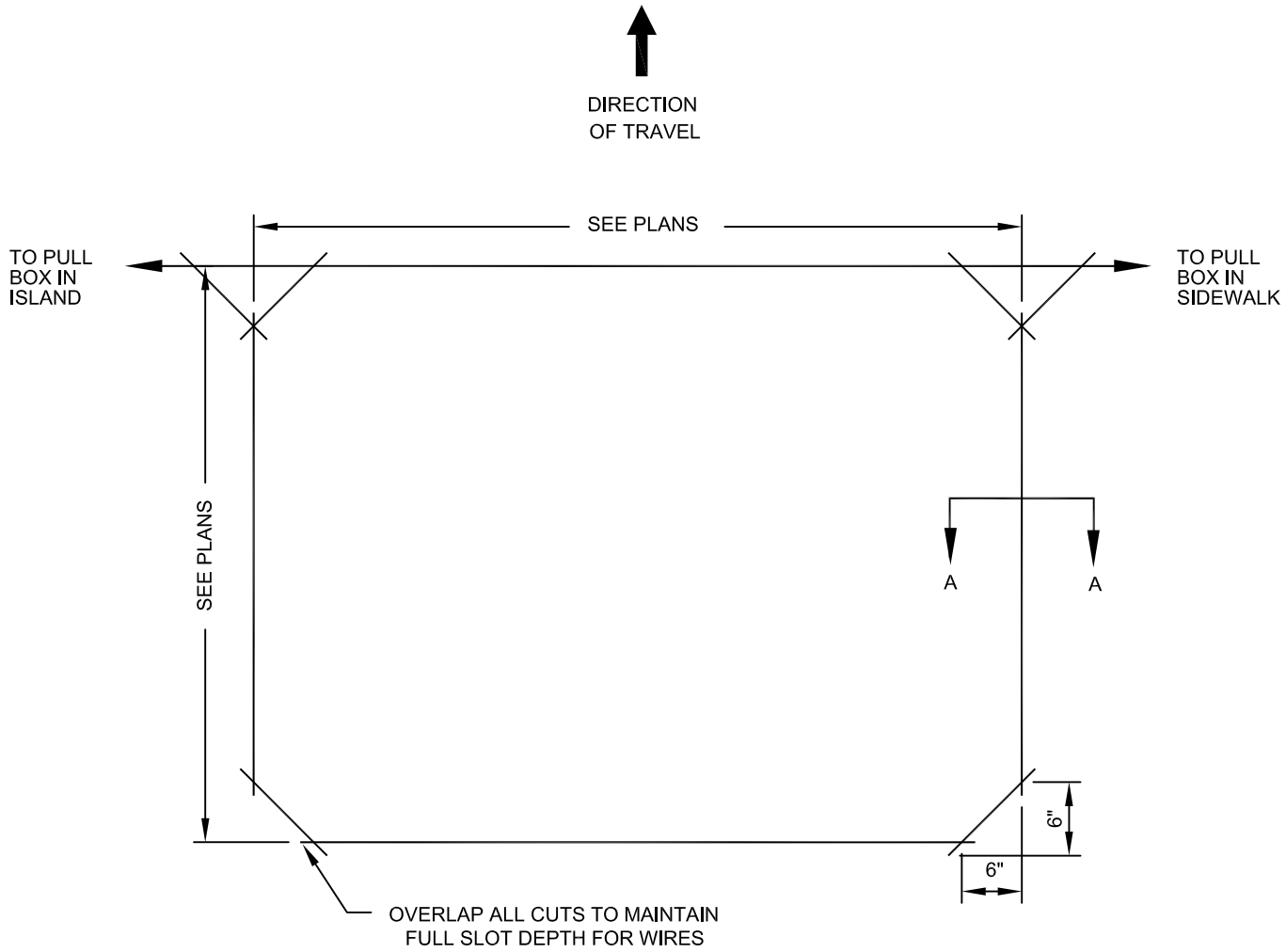


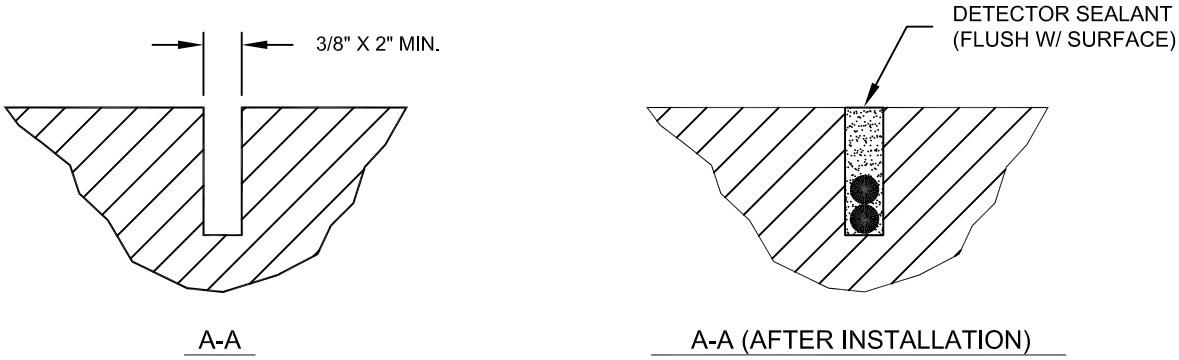
NOTE:

FOR POLE LOCATION ON RIGHT TURN ISLAND SEE DRAWING NO. 404.1301.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		MEDIAN ISLAND SIGNAL LOCATION		
		DATE	DWG. NO. 404.700	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



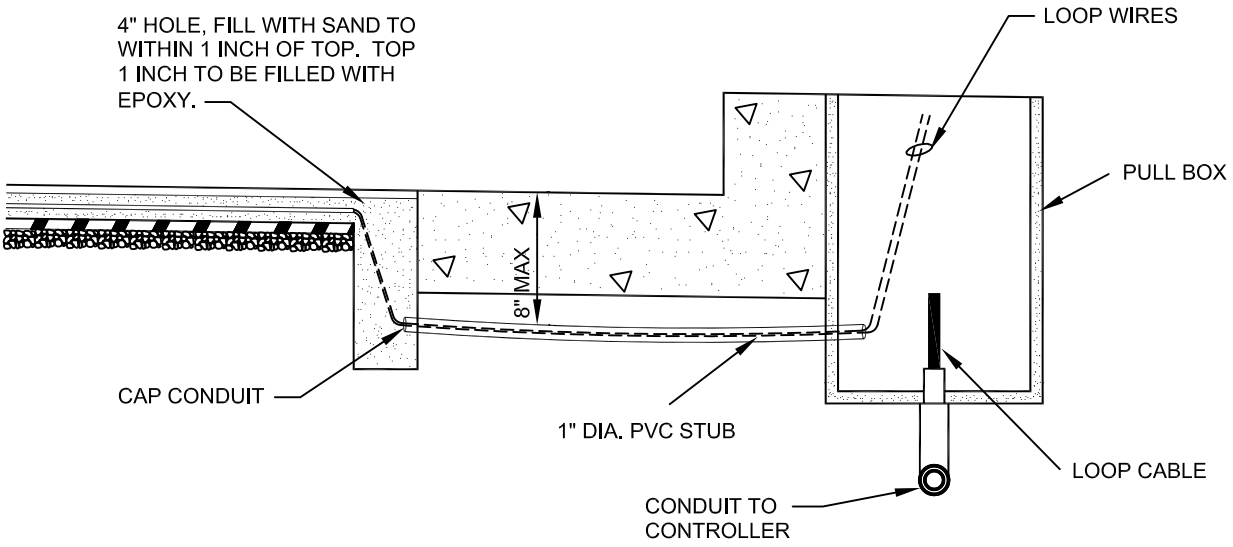


A-A

A-A (AFTER INSTALLATION)

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SAWCUT DETAILS FOR INDUCTION LOOPS		
		DATE	DWG. NO. 404.810	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



NOTE:

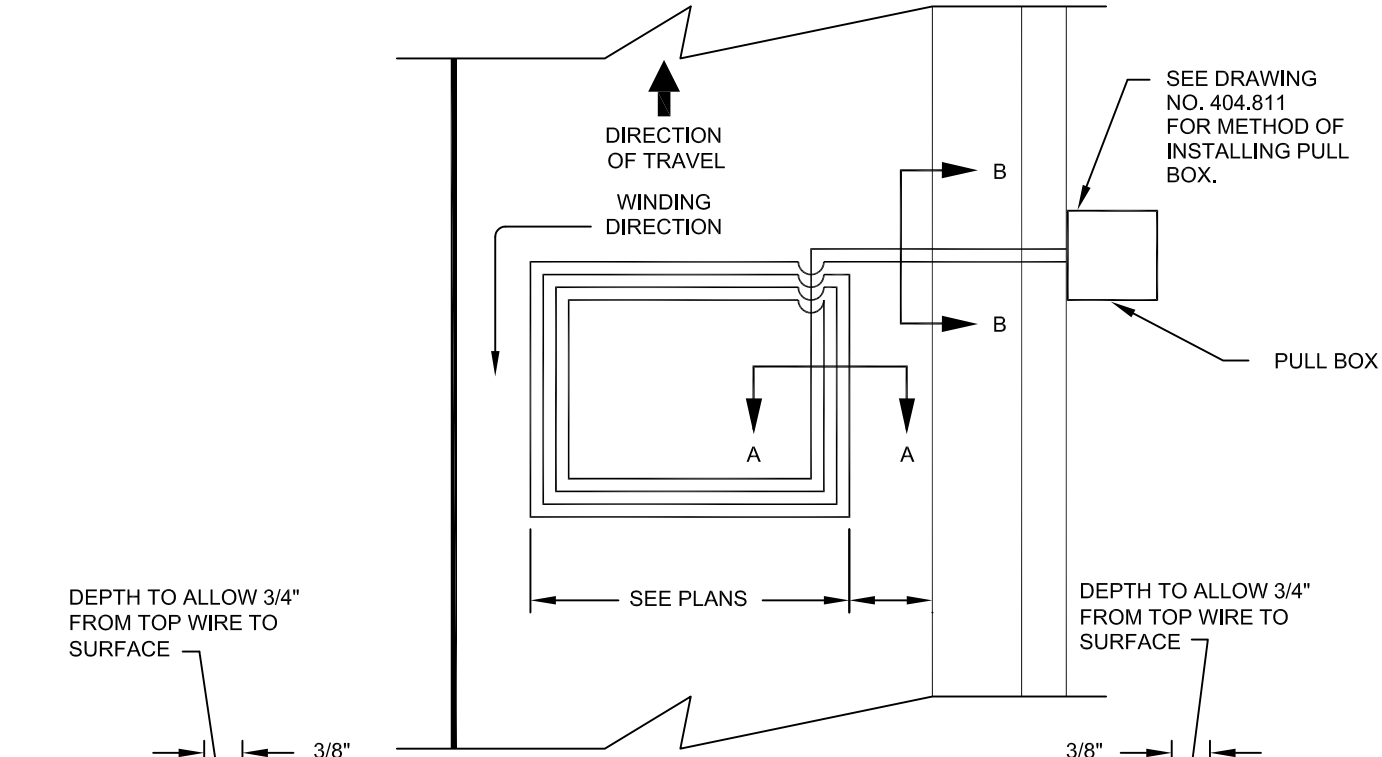
PATCH SLOT AND HOLE WITH EPOXY, REMOVE OVERFLOW BEFORE IT HARDENS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		DETAILS @ PULL BOX AND SAWCUTS		
		DATE	DWG. NO. 404.811	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTE:

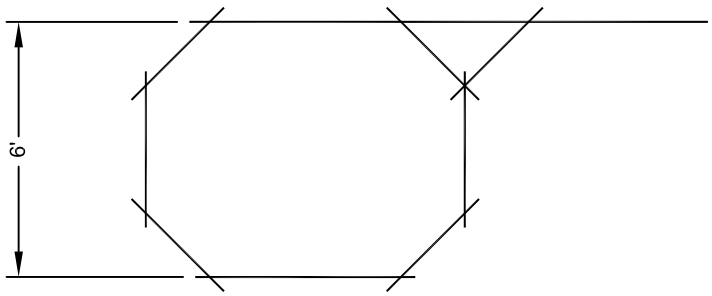
1. 4 TURNS OF WIRE SHOWN. ALWAYS INSTALL 4 TURNS OF CABLE IN DUCT UNLESS OTHERWISE SPECIFIED ON THE PLANS. WINDING DIRECTION SHALL BE INDICATED ON WIRE.



WIRING DIAGRAM

SECTION A-A

SECTION B-B



SAWCUT DIAGRAM

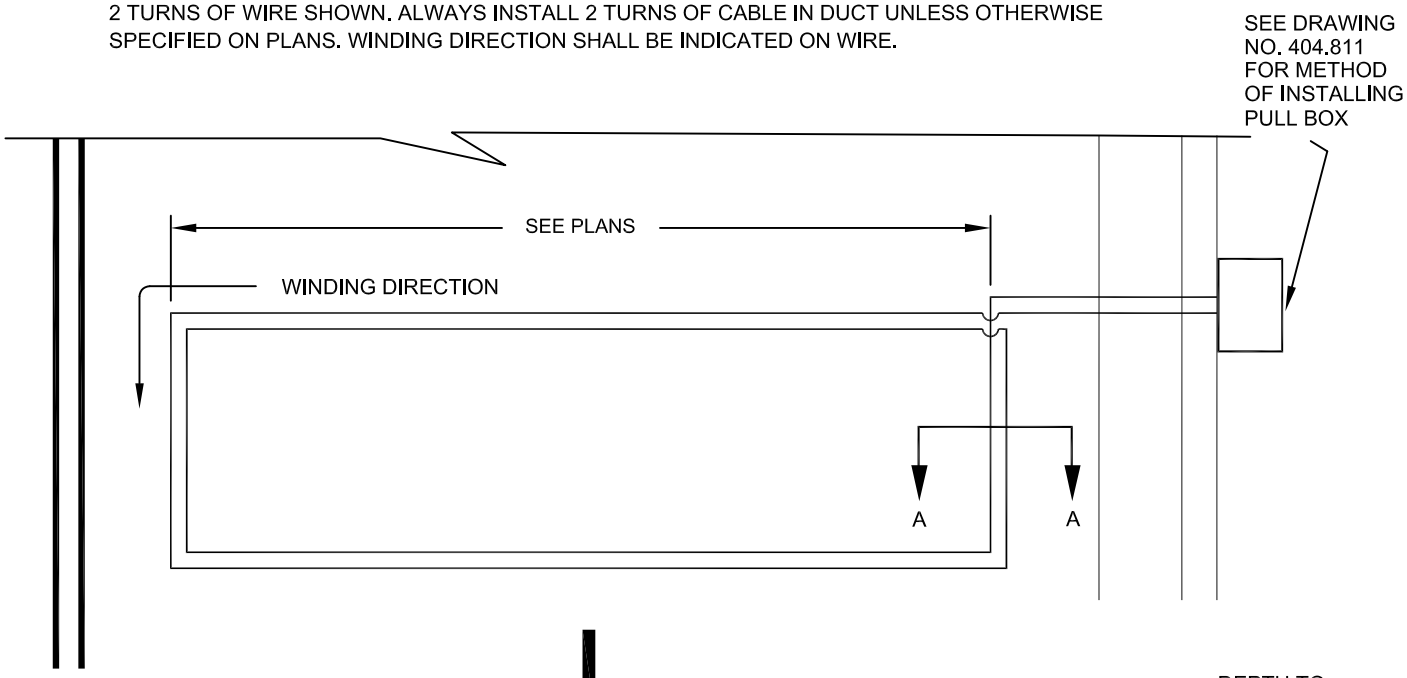
SEE DRAWING NO. 404.810 FOR SAWCUT DETAILS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		1 INDUCTION LOOP FOR 1 TRAVEL LANE		
		DATE	DWG. NO. 404.820	SHEET 1 OF 1

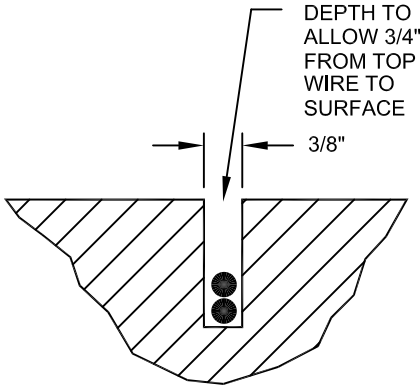
Effective 07/01/09 - 12/30/09

NOTE:

2 TURNS OF WIRE SHOWN. ALWAYS INSTALL 2 TURNS OF CABLE IN DUCT UNLESS OTHERWISE SPECIFIED ON PLANS. WINDING DIRECTION SHALL BE INDICATED ON WIRE.



WIRING DIAGRAM



A-A



SAWCUT DIAGRAM

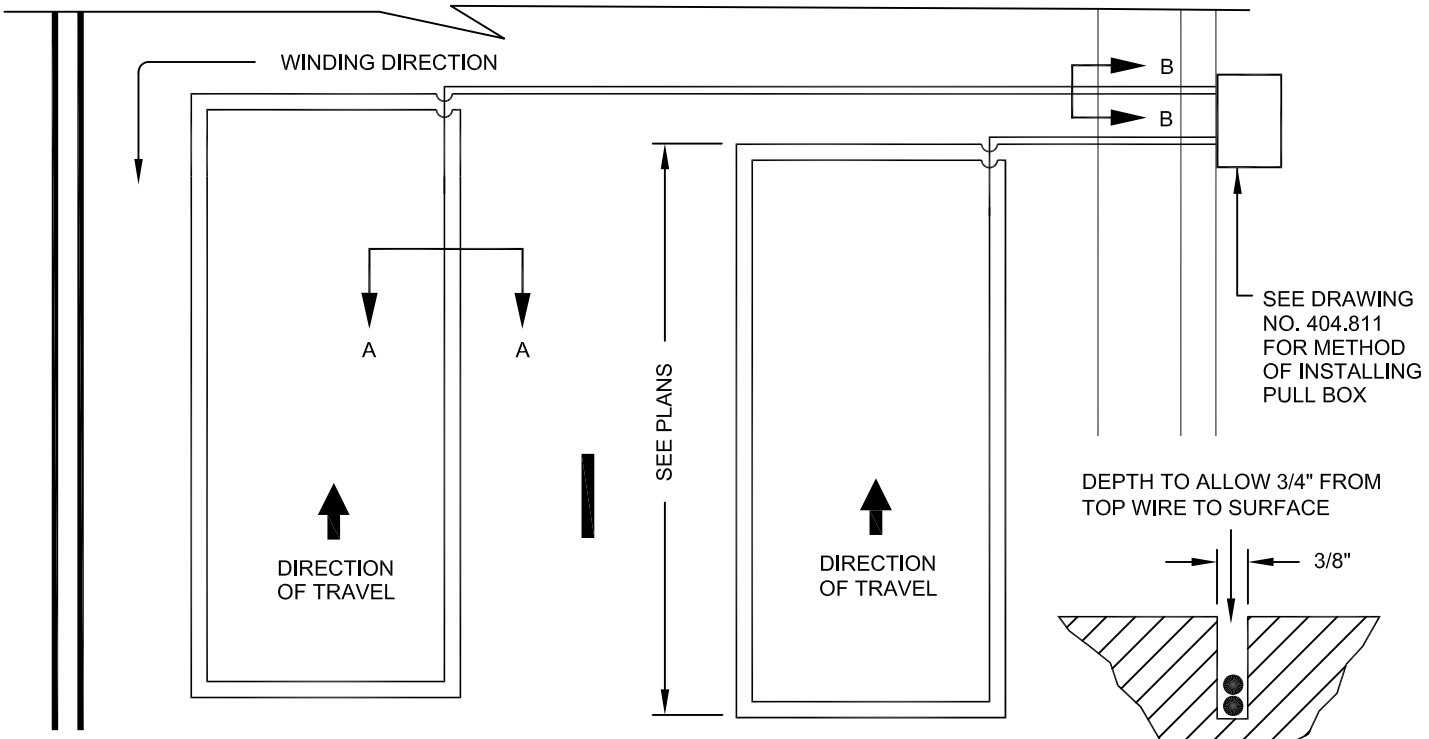
SEE DRAWING NO. 404.810 FOR SAWCUT DETAILS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		1 INDUCTION LOOP FOR 2 TRAVEL LANES		
		DATE	DWG. NO. 404.821	SHEET 1 OF 2

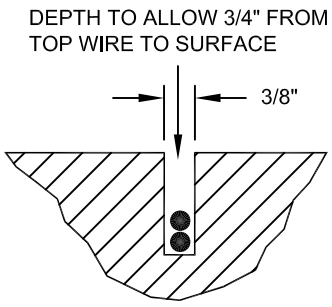
Effective 07/01/09 - 12/30/09

NOTE:

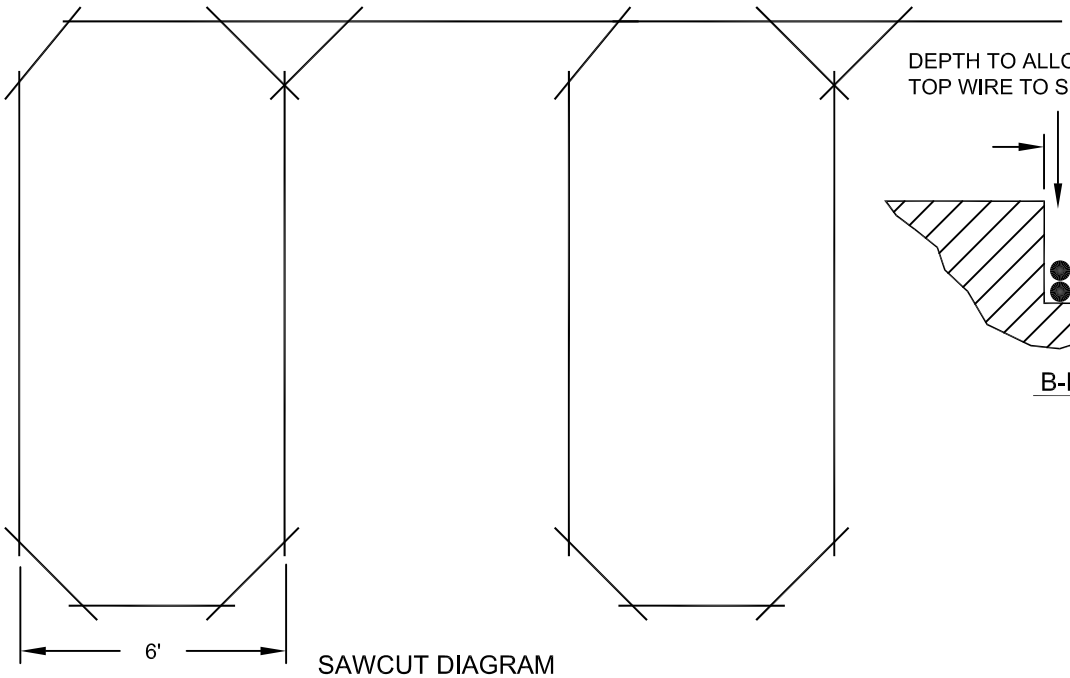
2 TURNS OF WIRE SHOWN. ALWAYS INSTALL 2 TURNS OF CABLE IN DUCT UNLESS OTHERWISE SPECIFIED ON PLANS. WINDING DIRECTION SHALL BE INDICATED ON WIRE.



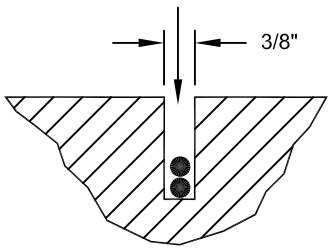
WIRING DIAGRAM



A-A



SAWCUT DIAGRAM



B-B

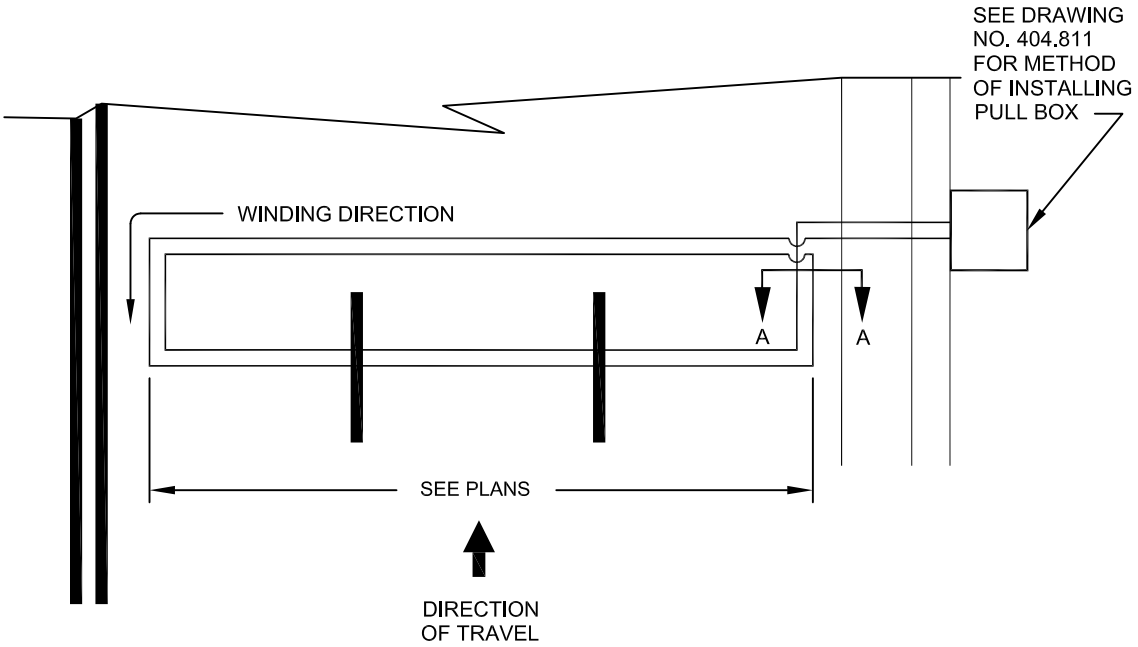
SEE DRAWING NO. 404.810 FOR SAWCUT DETAILS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		2 INDUCTION LOOPS FOR 2 TRAVEL LANES		
		DATE	DWG. NO. 404.821	SHEET 2 OF 2

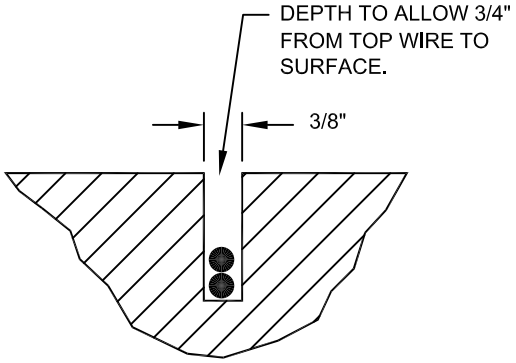
Effective 07/01/09 - 12/30/09

NOTE:

2 TURNS OF WIRE SHOWN. ALWAYS INSTALL 2 TURNS OF CABLE IN DUCT UNLESS OTHERWISE SPECIFIED ON PLANS. WINDING DIRECTION SHALL BE INDICATED ON WIRE.



WIRING DIAGRAM



A-A



SAWCUT DIAGRAM

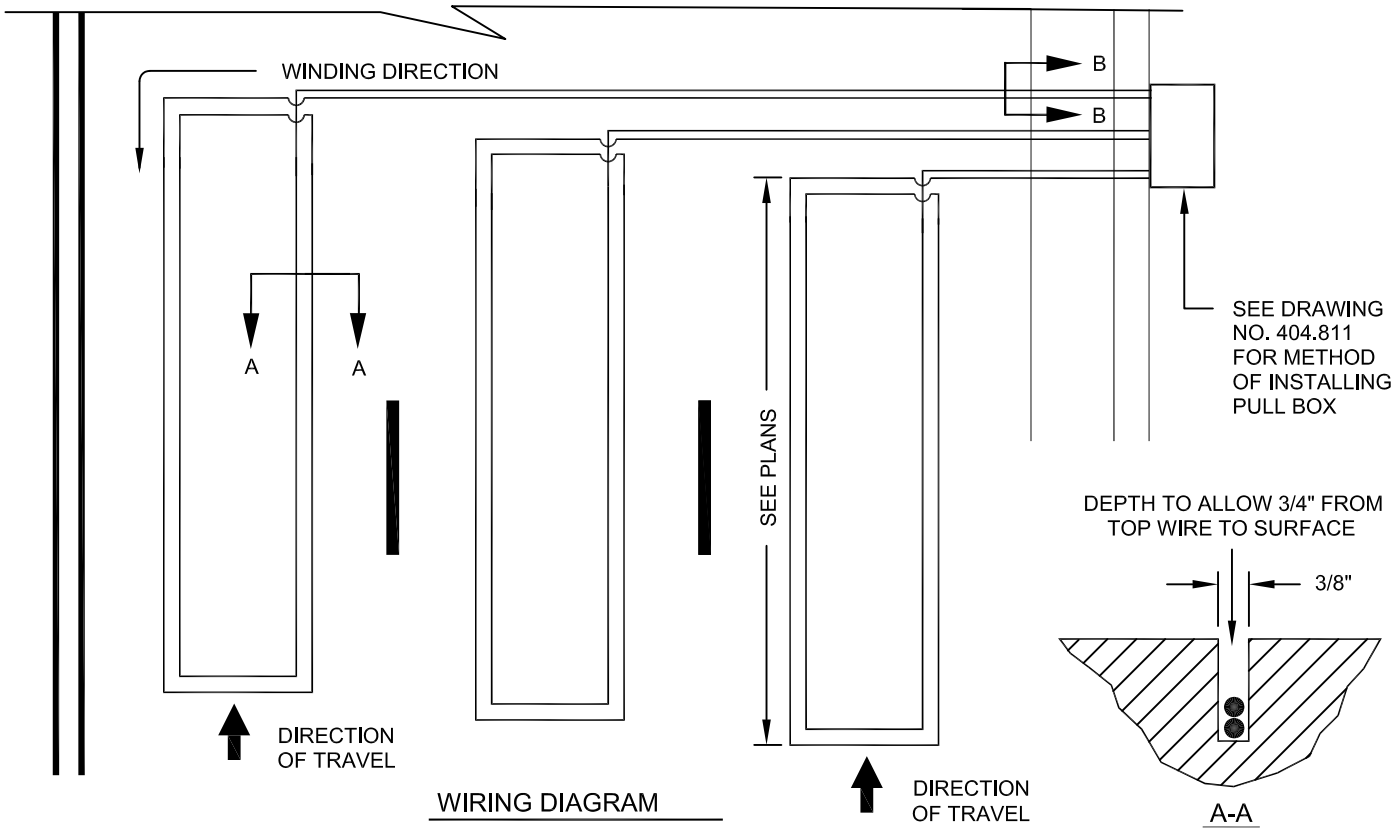
SEE DRAWING NO. 404.810 FOR SAWCUT DETAILS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		1 INDUCTION LOOP FOR 3 TRAVEL LANES		
		DATE	DWG. NO. 404.822	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09

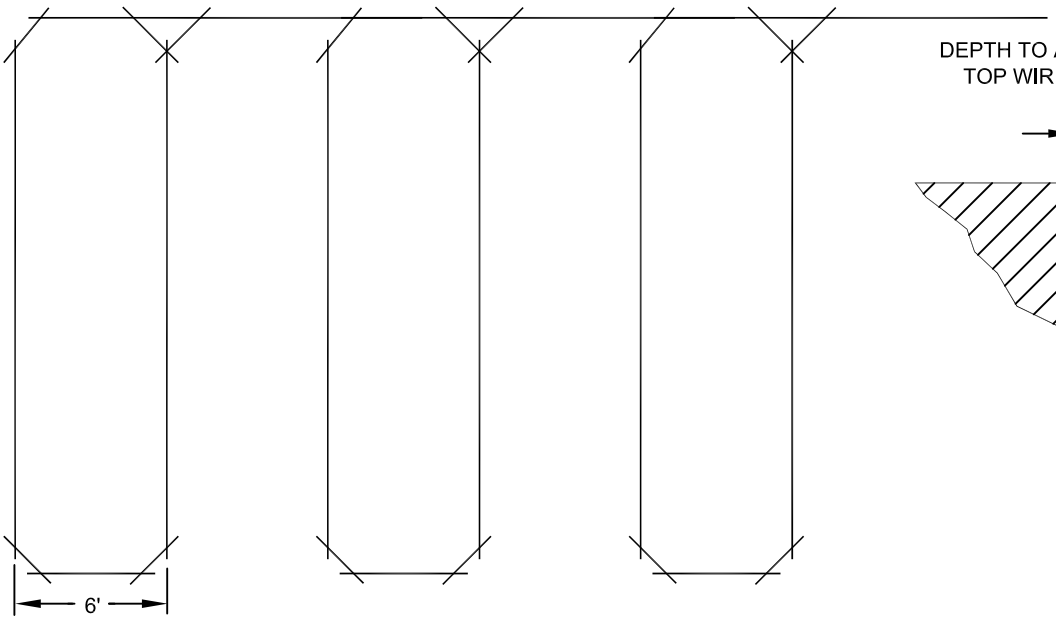
NOTE:

2 TURNS OF WIRE SHOWN. ALWAYS INSTALL 2 TURNS OF CABLE IN DUCT UNLESS OTHERWISE SPECIFIED ON PLANS. WINDING DIRECTION SHALL BE INDICATED ON WIRE.

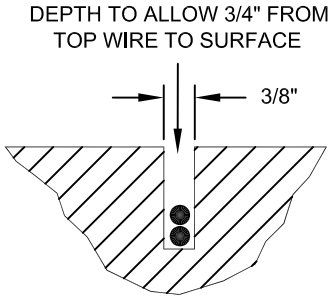


WIRING DIAGRAM

A-A



SAWCUT DIAGRAM



B-B

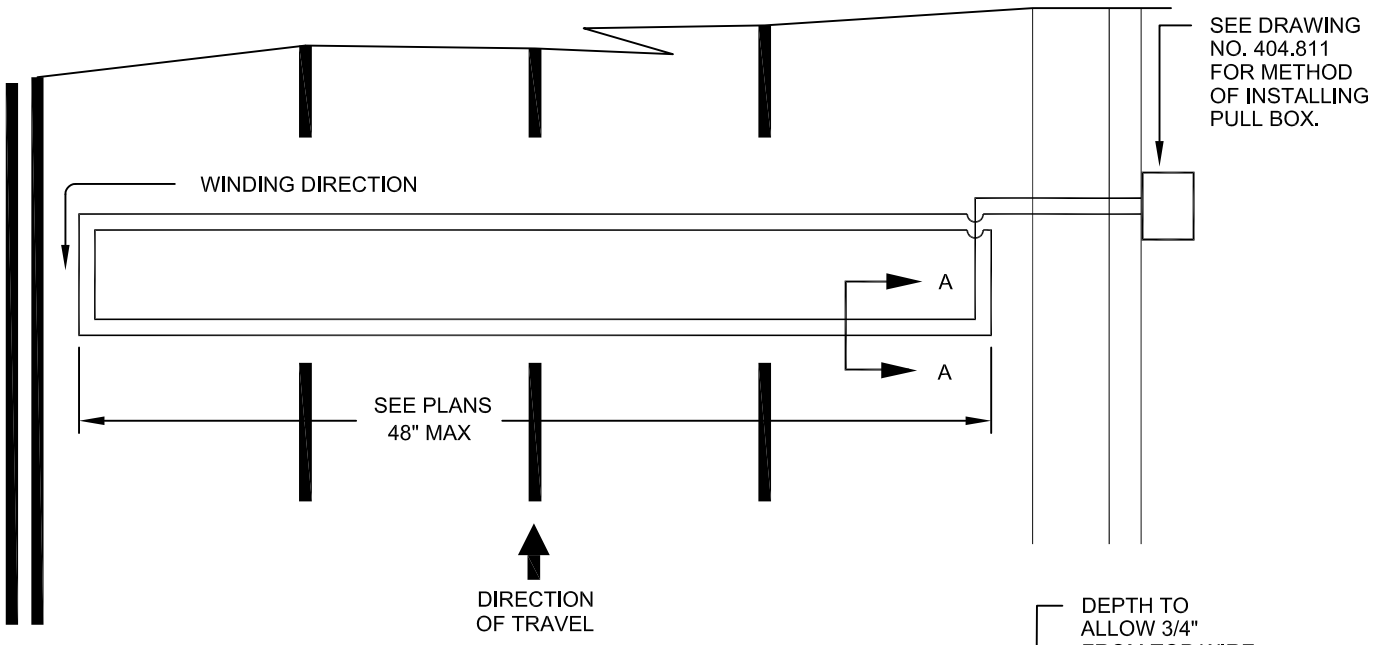
SEE DRAWING NO. 404.810 FOR SAWCUT DETAILS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		3 INDUCTION LOOPS FOR 3 TRAVEL LANES		
		DATE	DWG. NO. 404.822	SHEET 2 OF 2

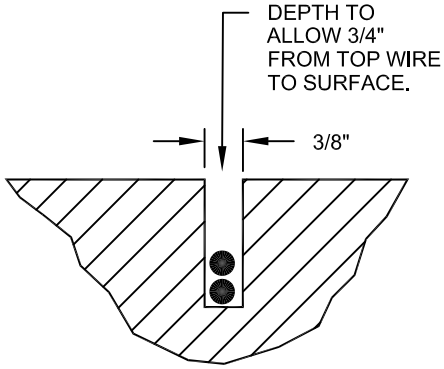
Effective 07/01/09 - 12/30/09

NOTE:

2 TURNS OF WIRE SHOWN. ALWAYS INSTALL 2 TURNS OF CABLE IN DUCT UNLESS OTHERWISE SPECIFIED ON PLANS. WINDING DIRECTION SHALL BE INDICATED ON WIRE.



WIRING DIAGRAM



A-A



SAWCUT DIAGRAM

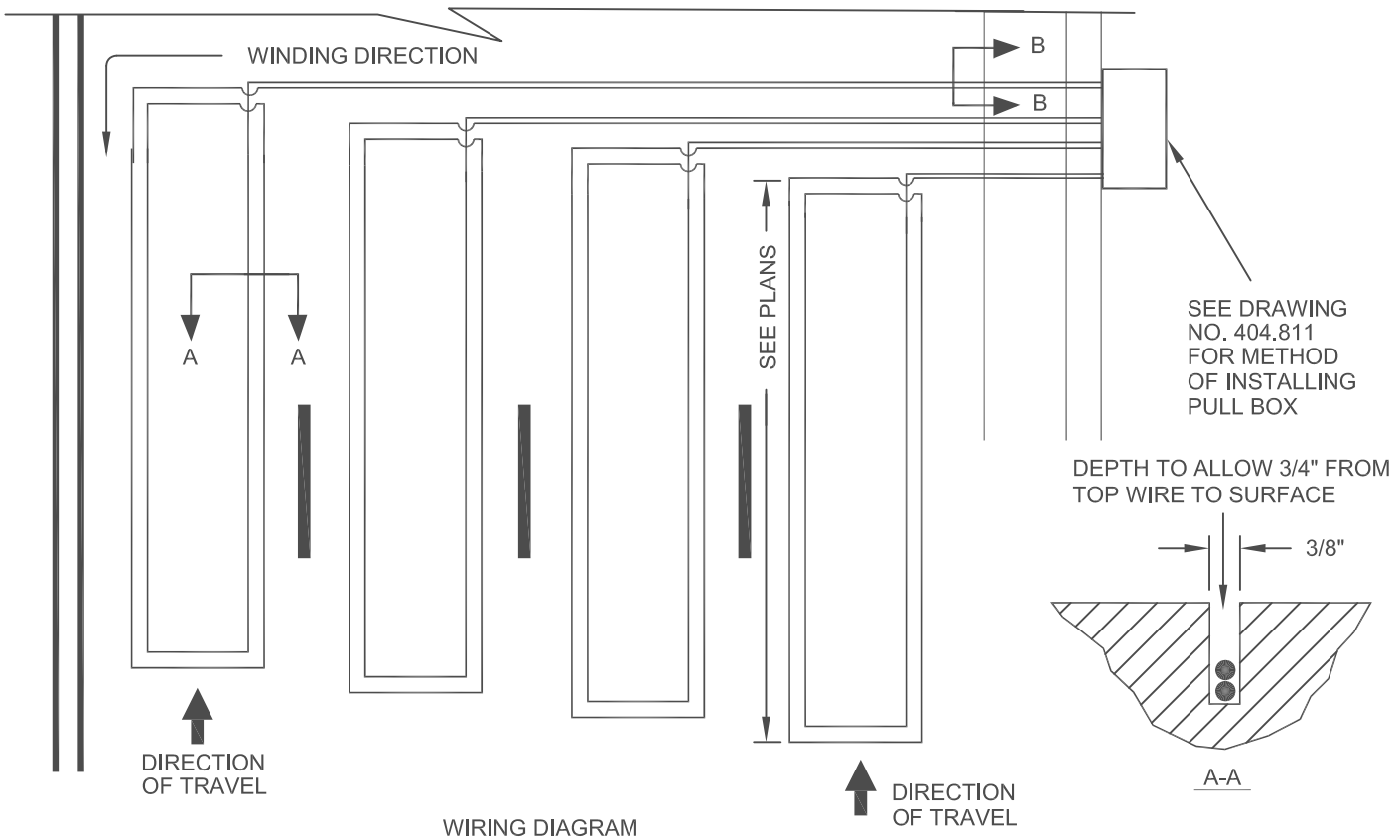
SEE DRAWING NO. 404.810 FOR SAWCUT DETAILS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		1 INDUCTION LOOP FOR 4 TRAVEL LANES		
		DATE	DWG. NO. 404.823	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09

NOTE:

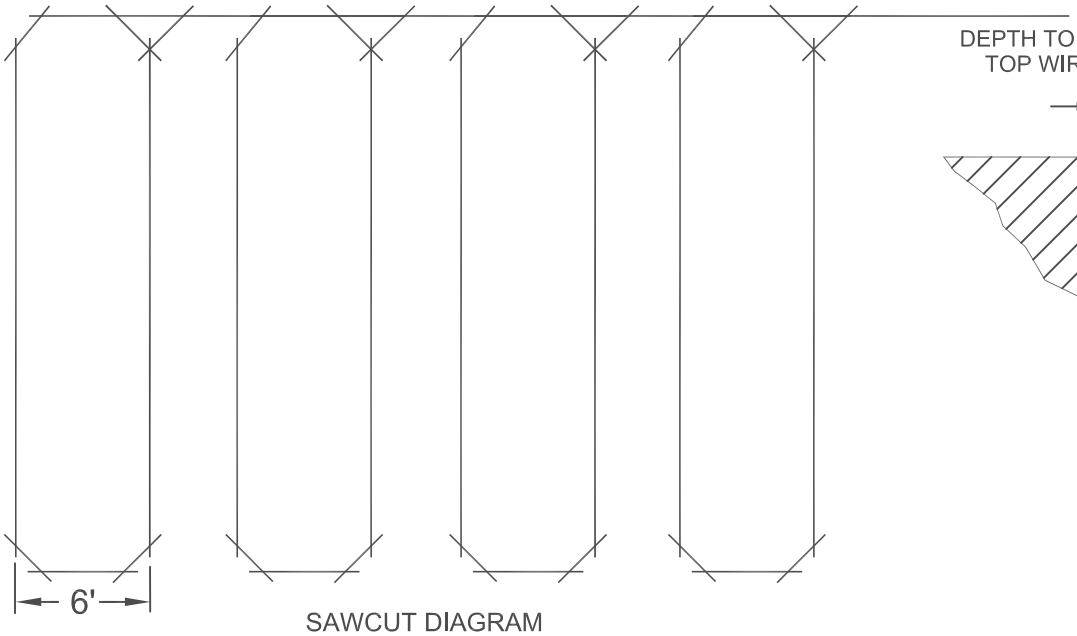
2 TURNS OF WIRE SHOWN. ALWAYS INSTALL 2 TURNS OF CABLE IN DUCT UNLESS OTHERWISE SPECIFIED ON PLANS. WINDING DIRECTION SHALL BE INDICATED ON WIRE.



DEPTH TO ALLOW 3/4" FROM TOP WIRE TO SURFACE

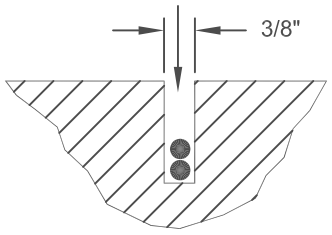
A-A

WIRING DIAGRAM



SAWCUT DIAGRAM

DEPTH TO ALLOW 3/4" FROM TOP WIRE TO SURFACE



B-B

SEE DRAWING NO. 404.810 FOR SAWCUT DETAILS.

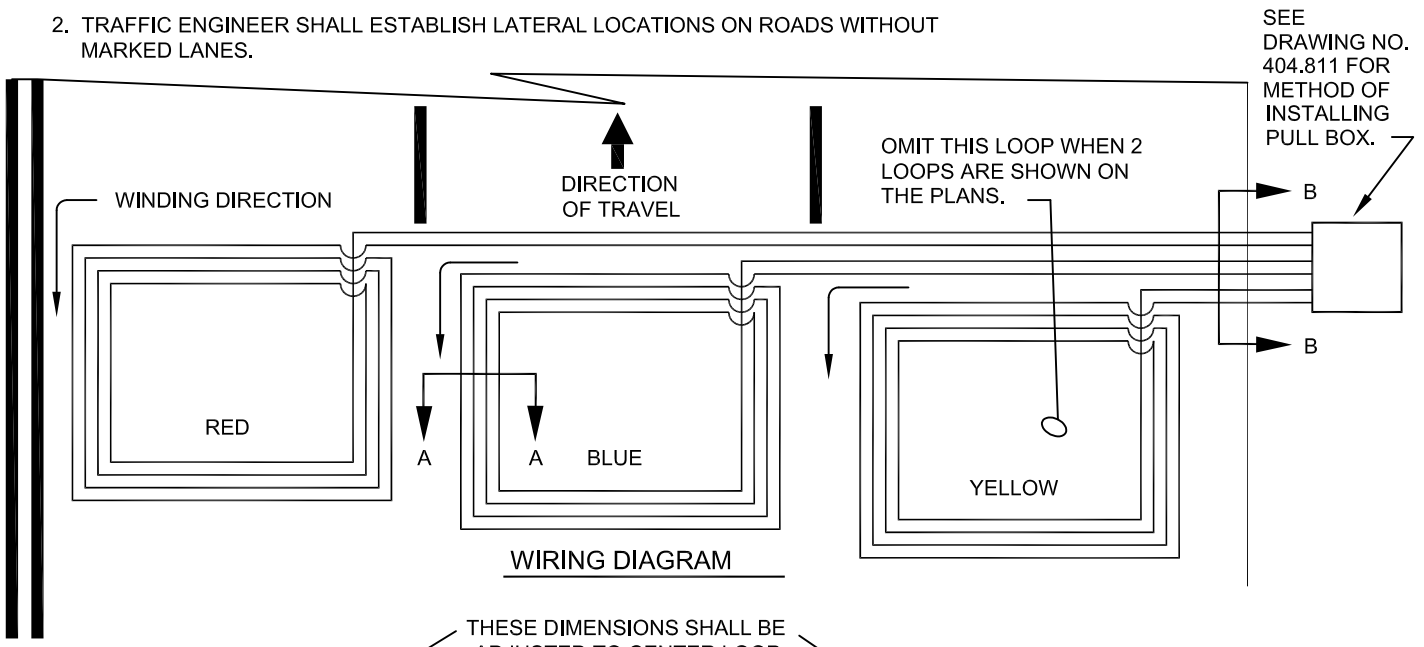
* PROFESSIONAL ELECTRICAL ENGINEER STAMP ON FILE.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA			
		4 INDUCTION LOOPS FOR 4 TRAVEL LANES			
		DATE	DWG. NO. 404.823	SHEET	2 OF 2

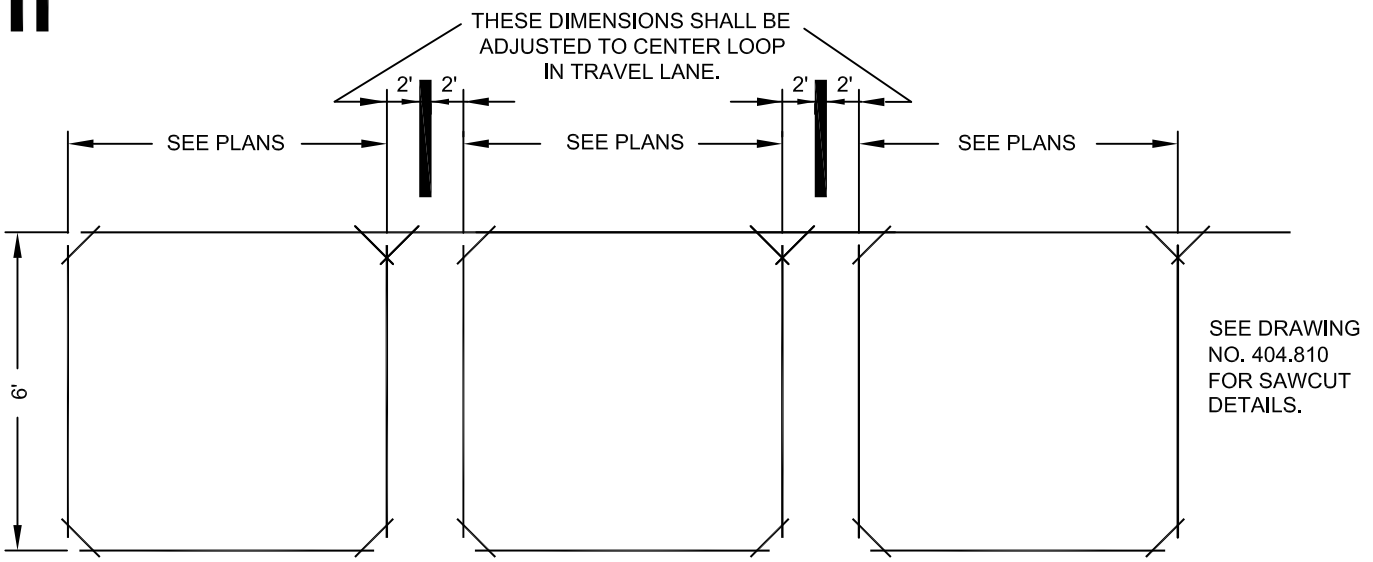
Effective 07/01/09 - 12/30/09

NOTES:

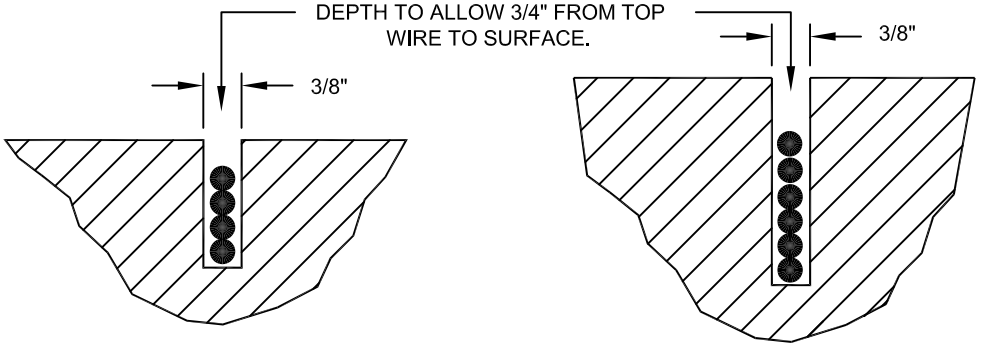
1. 4 TURNS OF WIRE SHOWN. ALWAYS INSTALL 4 TURNS OF CABLE IN DUCT UNLESS OTHERWISE SPECIFIED ON THE PLANS. WINDING DIRECTION SHALL BE INDICATED ON WIRE.
2. TRAFFIC ENGINEER SHALL ESTABLISH LATERAL LOCATIONS ON ROADS WITHOUT MARKED LANES.



WIRING DIAGRAM



SAWCUT DIAGRAM



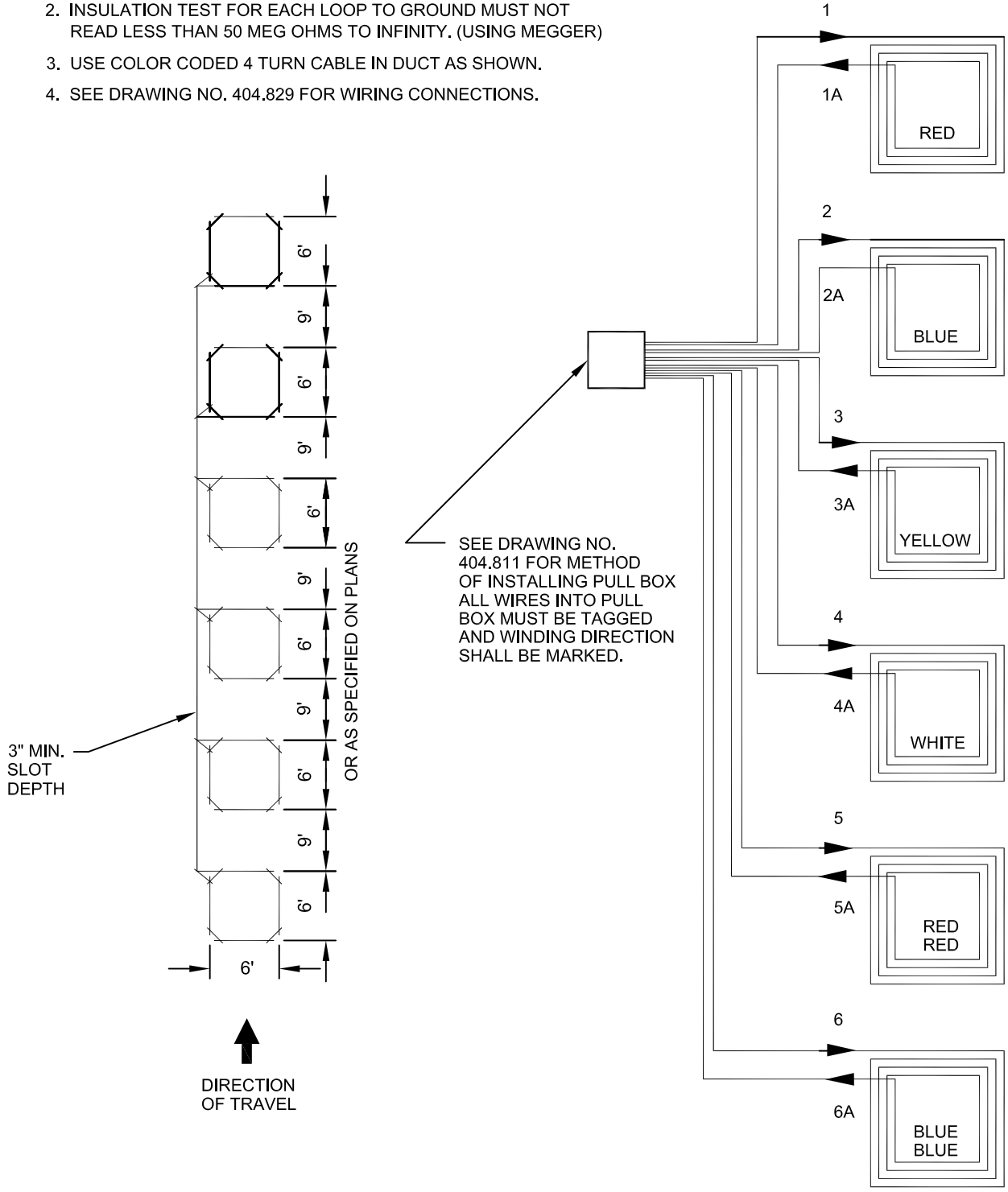
A-A B-B

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		3 INDUCTION LOOPS FOR 3 TRAVEL LANES		
		DATE	DWG. NO. 404.825	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTES:

1. FRONT OF THE LOOP MUST EXTEND INTO THE CROSSWALK 2' TO 4'.
2. INSULATION TEST FOR EACH LOOP TO GROUND MUST NOT READ LESS THAN 50 MEG OHMS TO INFINITY. (USING MEGGER)
3. USE COLOR CODED 4 TURN CABLE IN DUCT AS SHOWN.
4. SEE DRAWING NO. 404.829 FOR WIRING CONNECTIONS.



SEE DRAWING NO. 404.829 FOR WIRE CONNECTIONS.
SEE DRAWING NO. 404.810 FOR SAWCUT DETAILS.

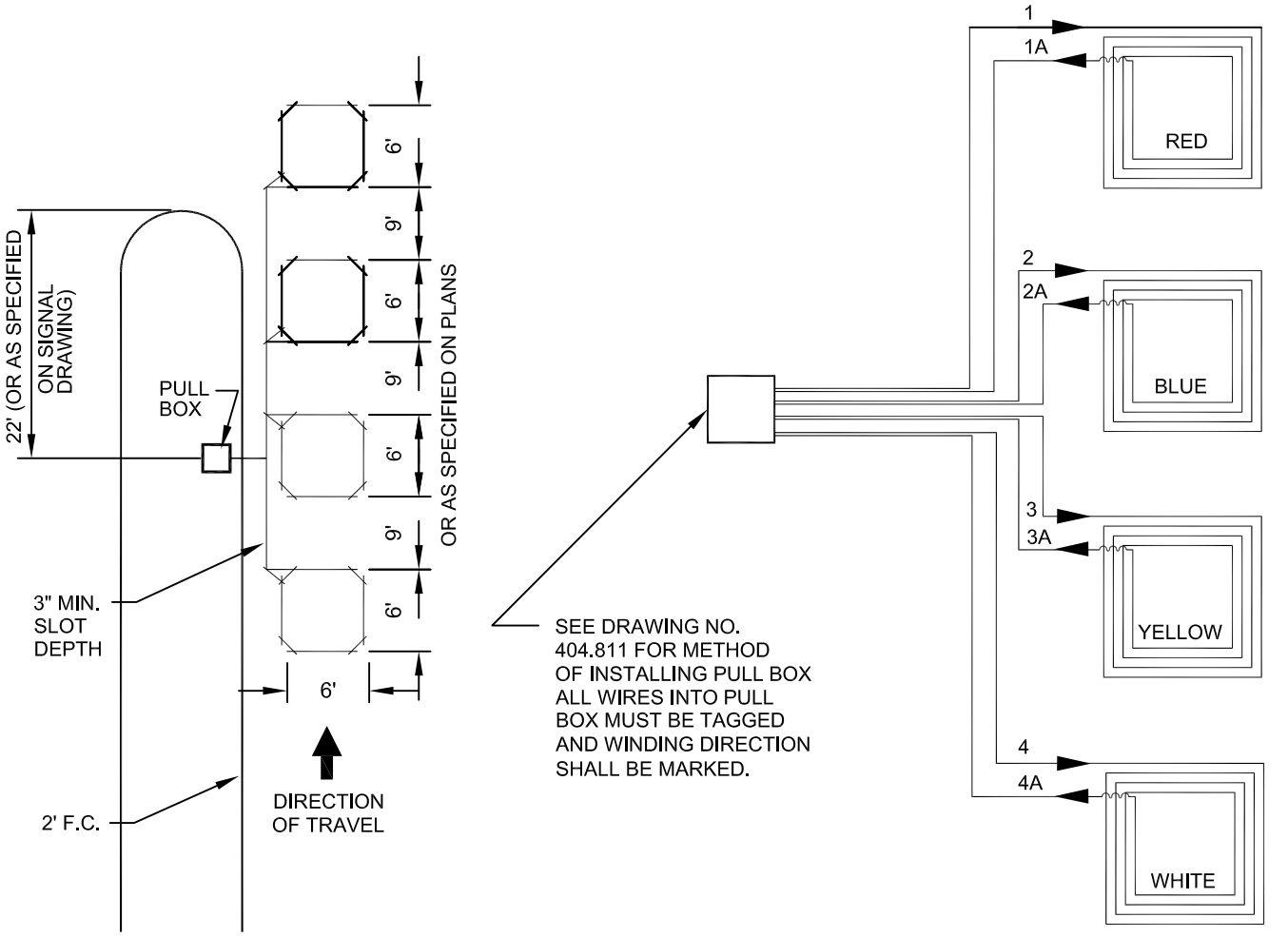
WIRING DIAGRAM

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		MULTIPLE LOOP SYSTEM FOR THRU LANE		
		DATE 12-12-96	DWG. NO. 404.826	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTES:

1. FRONT OF THE LOOP MUST EXTEND IN THE CROSSWALK 2' TO 4'.
2. INSULATION TEST FOR EACH LOOP TO GROUND MUST NOT READ LESS THAN 50 MEG OHMS TO INFINITY. (USING MEGGER)
3. USE COLOR CODED 4 TURN CABLE IN DUCT AS SHOWN.



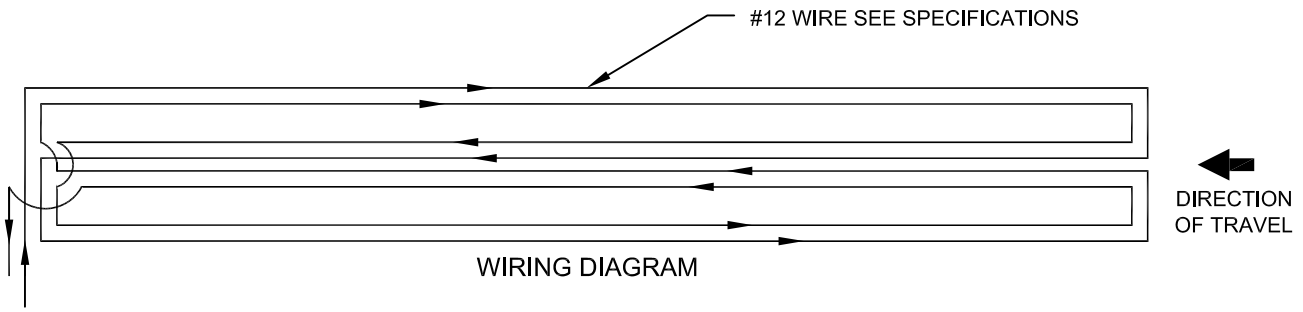
WIRING DIAGRAM

SEE DRAWING NO. 404.829 FOR WIRE CONNECTIONS.
SEE DRAWING NO. 404.810 FOR SAWCUT DETAILS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		MUTIPLE LOOP SYSTEM FOR LEFT TURN POCKET		
		DATE	DWG. NO. 404.827	SHEET 1 OF 1

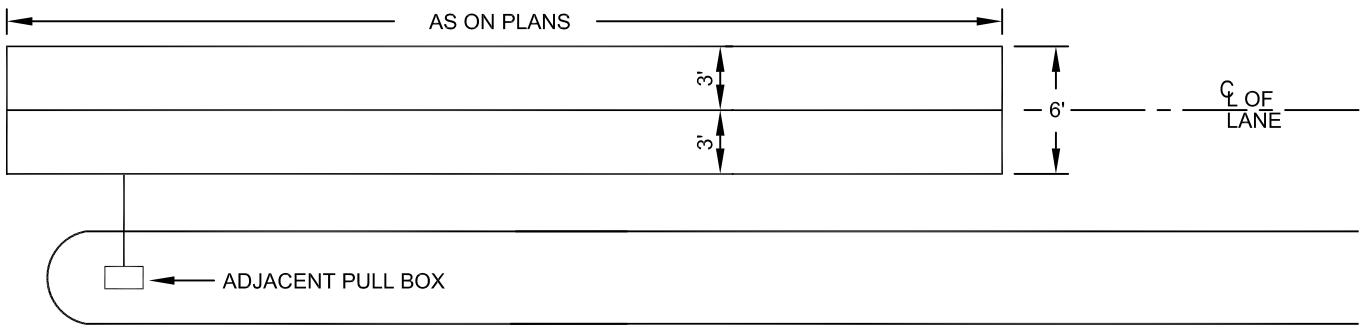
Effective 07/01/09 - 12/30/09

TYPE "QUADRUPOLE" LOOP INSTALLATION



WIRING DIAGRAM

WHENEVER MORE THAN ONE LOOP TERMINATES IN A PULL BOX,
ALL LEADS MUST BE TAGGED AND IDENTIFIED.



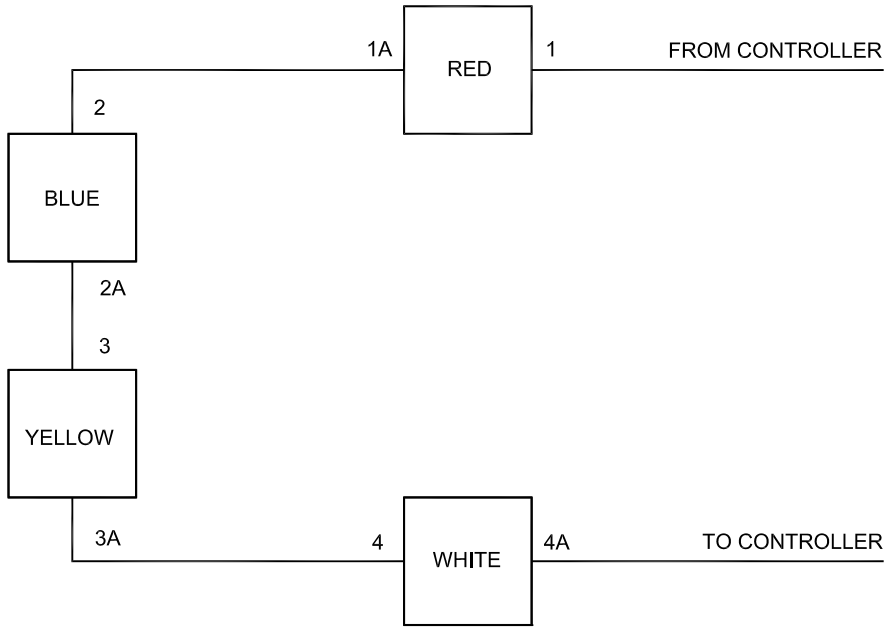
NOTES:

1. FOR ALL LOOPS, TWO TURNS ARE REQUIRED.
2. FRONT OF LOOP MUST EXTEND IN THE CROSSWALK 2' TO 4'.

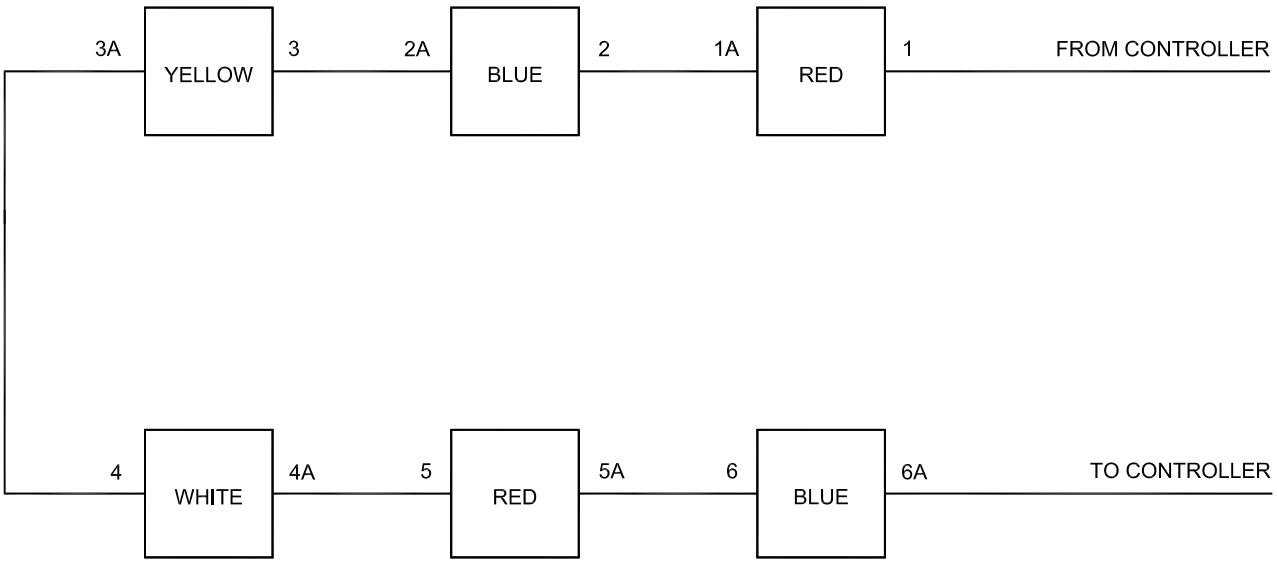
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TYPE "QUADRUPOLE" LOOP INSTALLATION		
DATE	DWG. NO. 404.828	SHEET 1 OF 1		

Effective 07/01/09 - 12/30/09

SEE DRAWING NO. 404.827 FOR LOOP LAYOUT



SEE DRAWING NO. 404.826 FOR LOOP LAYOUT



SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

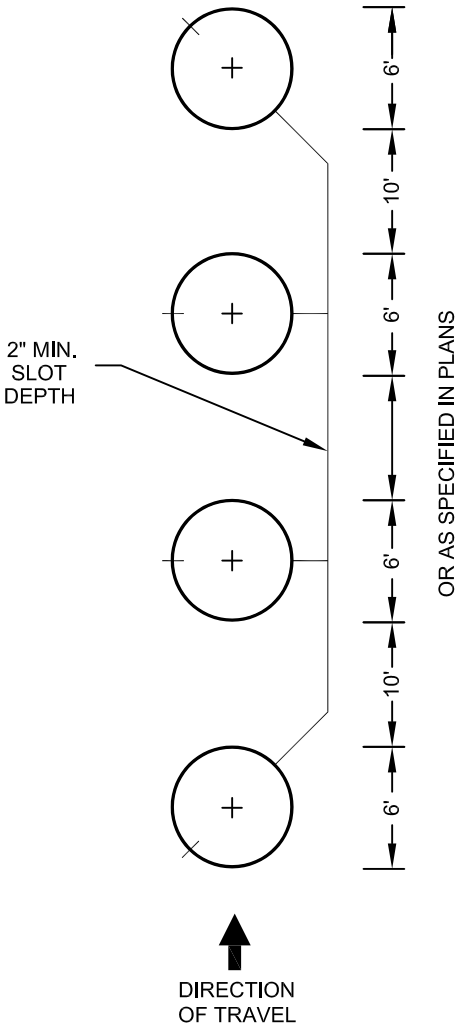
WIRE DIAGRAMS FOR MULTIPLE LOOP SYSTEMS FOR LEFT TURN POCKET AND THRU LANE

DATE 12-12-96	DWG. NO. 404.829	SHEET 1 OF 1

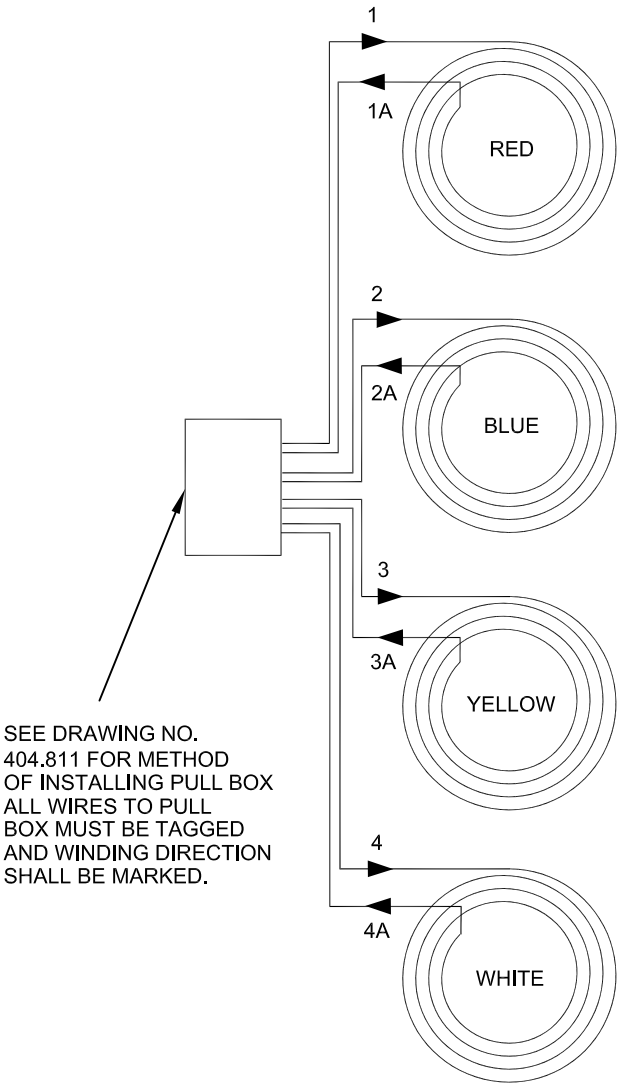
Effective 07/01/09 - 12/30/09

NOTES:

1. INSULATION FOR EACH LOOP MUST NOT READ LESS THAN 50 MEG OHMS TO INFINITY. (USING MEGGER)
2. USE COLOR CODED 4 TURN CABLE IN DUCT AS SHOWN.
3. FRONT OF LOOP MUST EXTEND IN THE CROSSWALK 2' TO 4'.



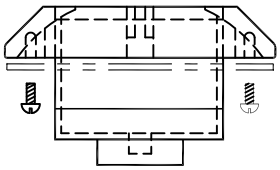
SAWCUT DIAGRAM

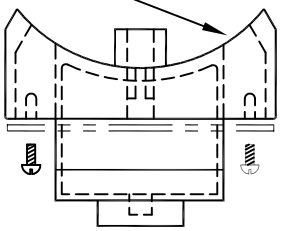


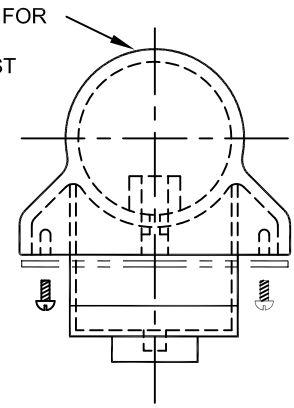
WIRING DIAGRAM

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		CIRCULAR INDUCTION LOOPS FOR TRAVEL LANES		
		DATE	DWG. NO. 404.830	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

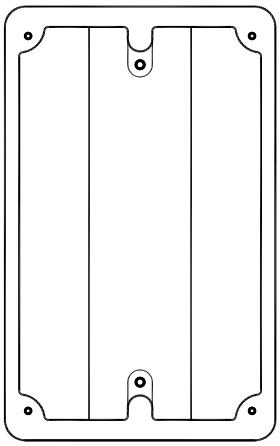




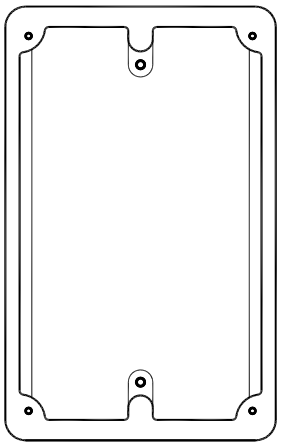


NOTES:

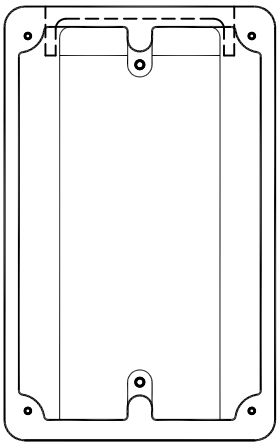
1. CAST ALUMINUM HOUSING.
2. PAINT COLOR SHALL MATCH SIGNAL HOUSING.



FOR FLAT SURFACE MOUNTING



FOR SIGNAL STANDARD MOUNTING



FOR 2-1/2" IPS MOUNTING

NOTES:

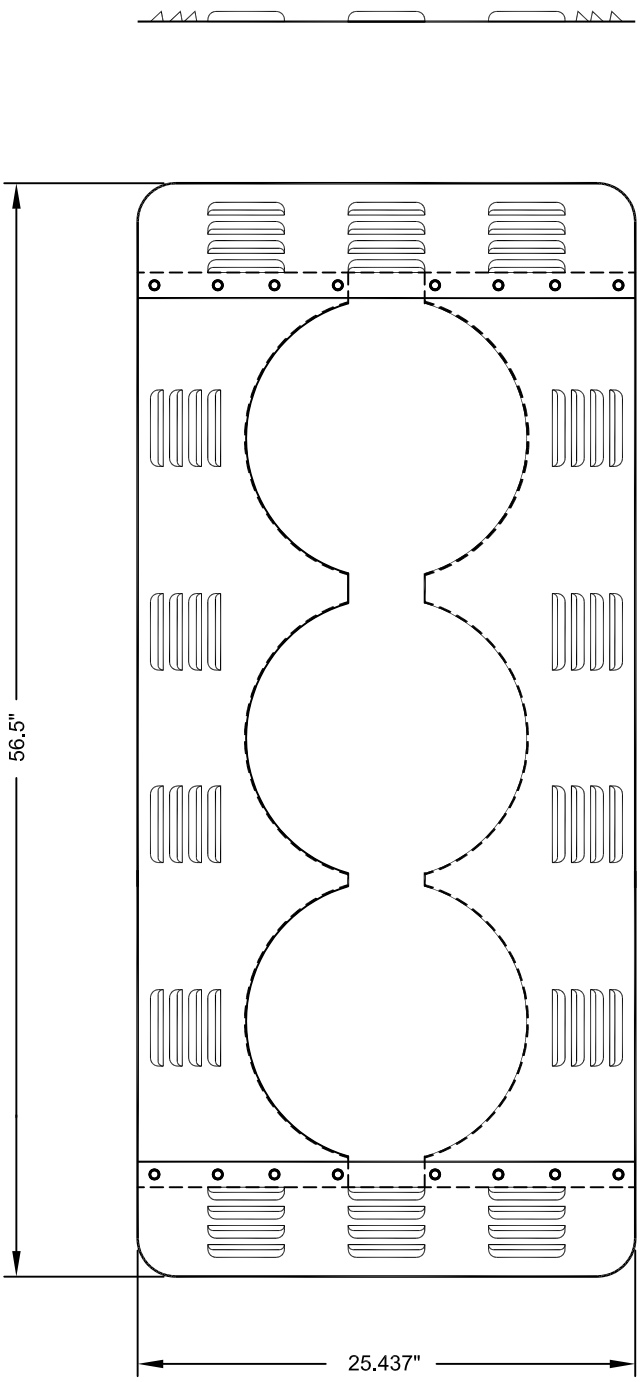
1. AT LOCATIONS WHERE "WALK" "DON'T WALK" SIGNALS ARE PROVIDED, PROVIDE BLACK LETTERING ON A WHITE BACKGROUND ON PORCELAIN SIGNS.
2. AT LOCATIONS WHERE "SYMBOLIC" SIGNALS ARE PROVIDED, PROVIDE WHITE FIGURES ON A BLACK BACKGROUND.
3. MOUNTING SURFACE FOR THE SIGNS SHALL BE 9" X 12".





SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		PEDESTRIAN PUSH BUTTON DETECTORS		
		DATE	DWG. NO. 404.851	SHEET 1 OF 1

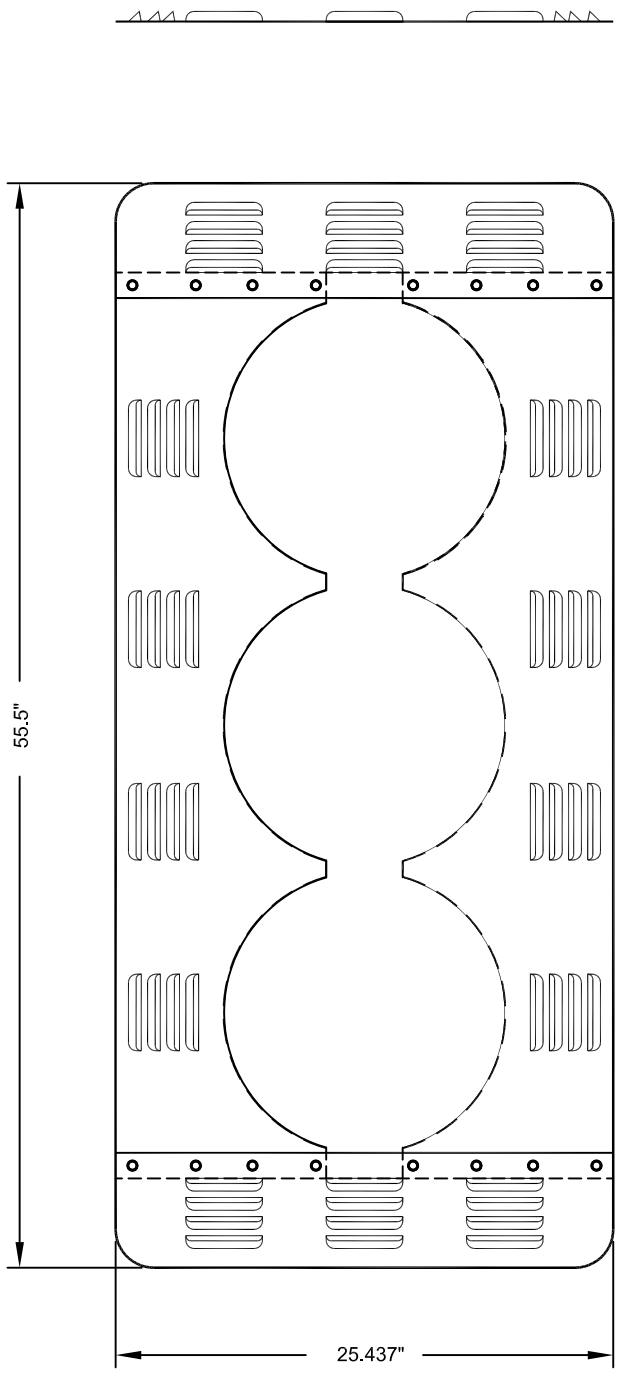
Effective 07/01/09 - 12/30/09



PAINT: FLAT BLACK
SHOWN 3 SECTION, 12" SIGNAL HEAD WITH ELEVATOR PLUMBIZER

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		LOUVERED BACKPLATE FOR MAST ARM MOUNTED SIGNAL		
		DATE	DWG. NO. 404.900	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

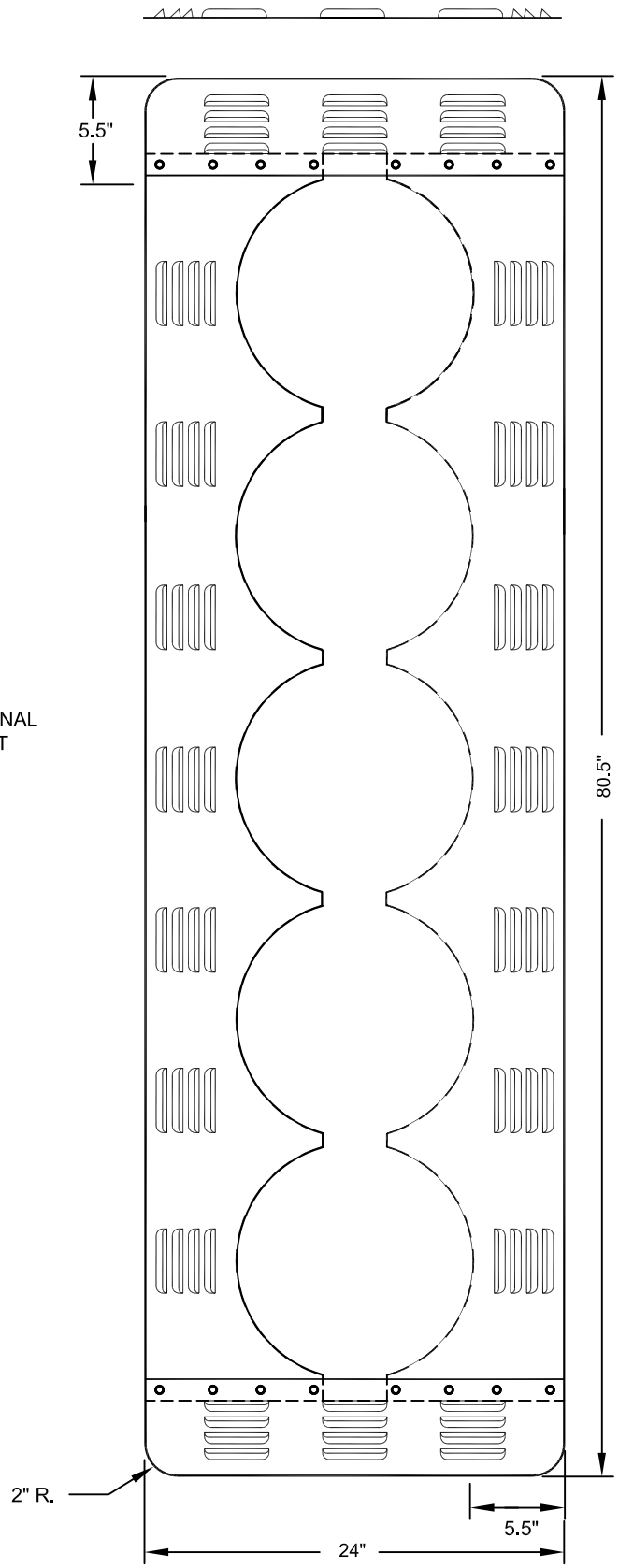


PAINT: FLAT BLACK

SHOWN 3 SECTION, 12" SIGNAL HEAD BACKPLATE WITHOUT ELEVATOR PLUMBIZER

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		LOUVERED BACKPLATE FOR POLE MOUNTED SIGNAL		
		DATE	DWG. NO. 404.901	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

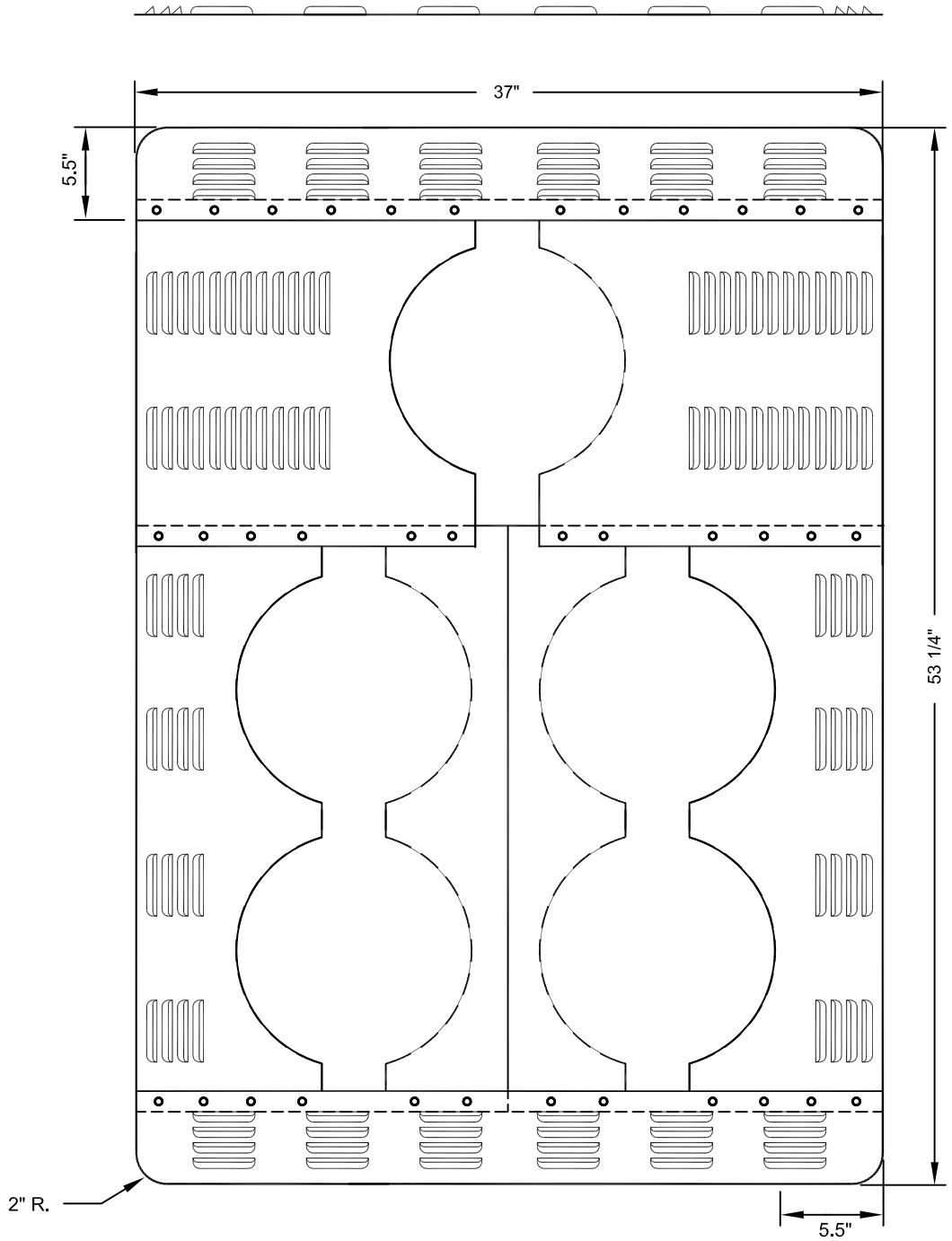


PAINT: FLAT BLACK

SHOWN 5 SECTION, 12" SIGNAL HEAD BACKPLATE WITHOUT ELEVATOR PLUMBIZER

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		LOUVERED BACKPLATE FOR 5 SECTION SIGNAL HEAD		
		DATE	DWG. NO. 404.902	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



PAINT: FLAT BLACK

SHOWN 5 SECTION, 12" SIGNAL
HEAD BACKPLATE WITH
ELEVATOR PLUMBIZER

REFER TO DRAWING NO. 404.1029

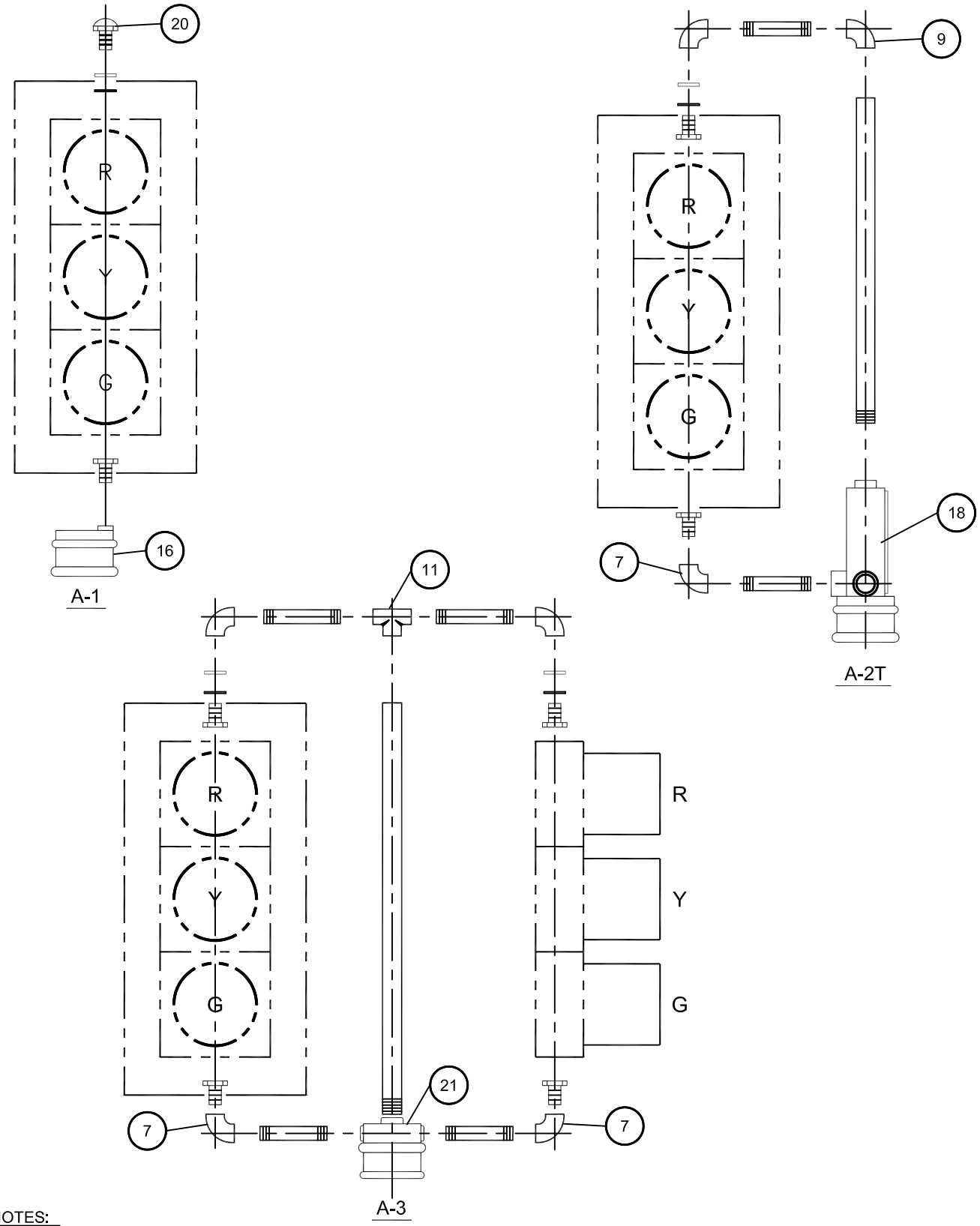
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		LOUVERED BACKPLATE FOR 5 SECTION SIGNAL HEAD		
		DATE	DWG. NO. 404.903	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

ITEM	DESCRIPTION	STANDARD DWG. NO.
1.	DOGLEG	404.1029
2.	ELEVATOR PLUMBIZER	404.1203
3.	POLE PLATE WITH WIRE GUIDE	404.1204
4.	2-WAY TIE BRACE	404.1200
5.	3-WAY TIE BRACE	404.1200
6.	4-WAY TIE BRACE	404.1200
7.	SPECIAL ELBOW	404.1202
8.	SPECIAL TEE	404.1202
9.	MALLEABLE ELBOW-REAMED/SET SCREW	404.1206
10.	MALLEABLE ELBOW/SIDE OUTLET/REAMED/SET SCREW	404.1206
11.	MALLEABLE TEE, REAMED/SET SCREW	404.1206
12.	MALLEABLE TEE/SIDE OUTLET, REAMED/SET SCREW	404.1206
13.	MALLEABLE CROSS, REAMED/SET SCREW	404.1206
14.	MALLEABLE CROSS/SIDE OUTLET, REAMED/SET SCREW	404.1206
15.	4-WAY CENTER HUB	404.1205
16.	POST TOP MOUNTED BRACKET	404.1202
17.	SIDE BRACKET MOUNTED ADAPTER WITH TERMINAL COMPT.	404.1208
18.	POST TOP MOUNTED ADAPTER WITH TERMINAL COMPT.	404.1207
19.	LOCKING RING	404.1200
20.	ORNAMENTAL CAP	404.1200
21.	POST TOP MOUNTED ADAPTER WITH 3 PORTS	404.1208
22.	LOCKING NIPPLE	404.1200
23.	POLE PLATE	404.1201
24.	1-1/2" MENERALLAC STRAP OR APPROVED EQUAL	404.1029

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		BILL OF MATERIALS SIGNAL ASSEMBLIES		
		DATE : 10-9-08	DWG. NO. 404.1005	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

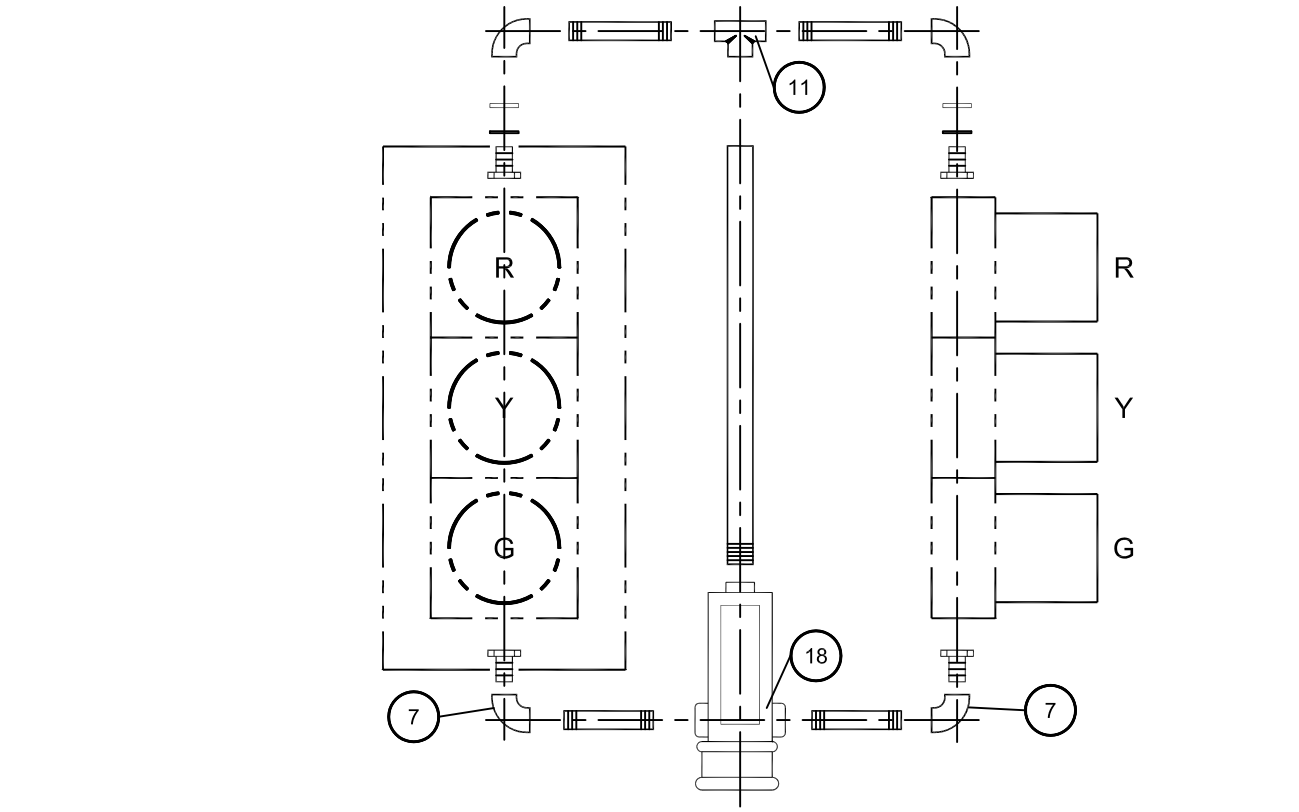


NOTES:

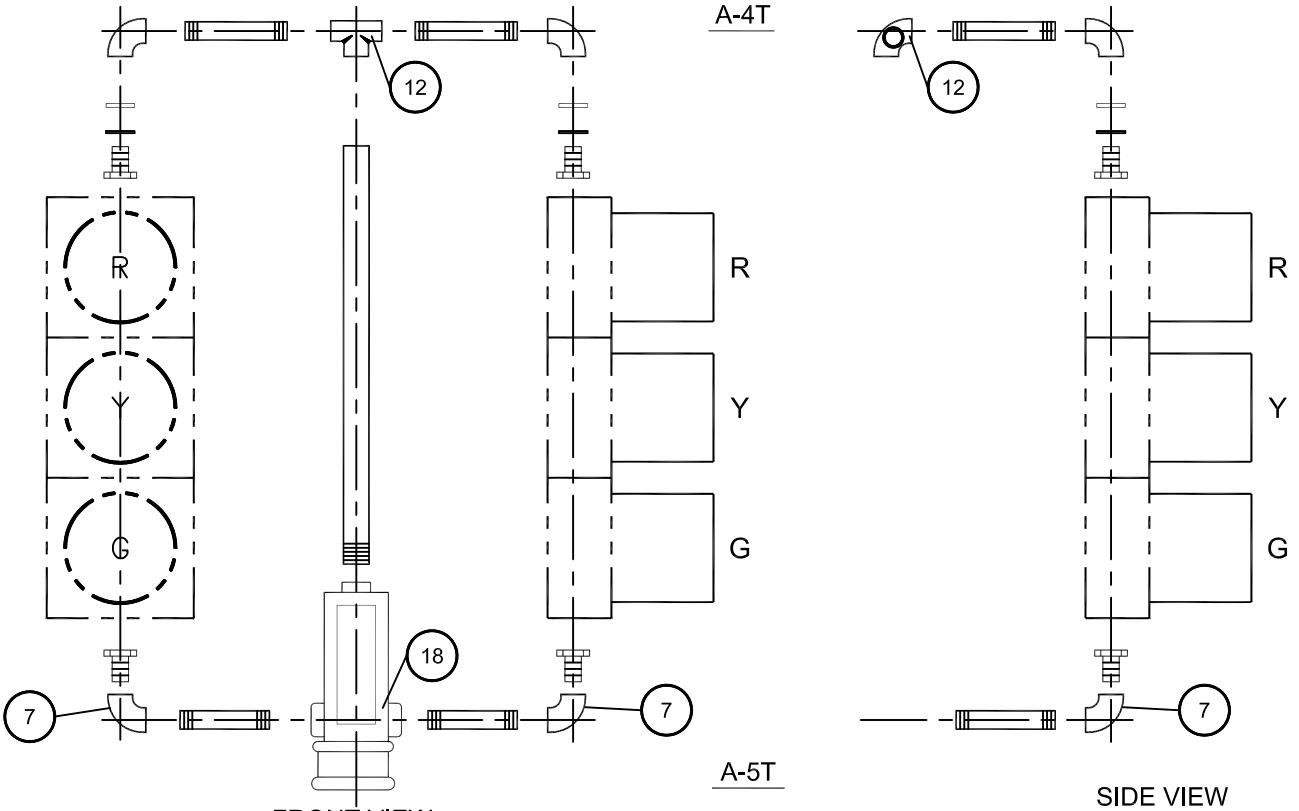
1. ALL SIGNALS ARE 12" NOMINAL (GLASS).
2. FOR ITEMIZED PARTS, SEE DRAWING NO. 404.1005.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES A-1, A-2T, A-3		
		DATE	DWG. NO. 404.1011	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



A-4T



A-5T

FRONT VIEW

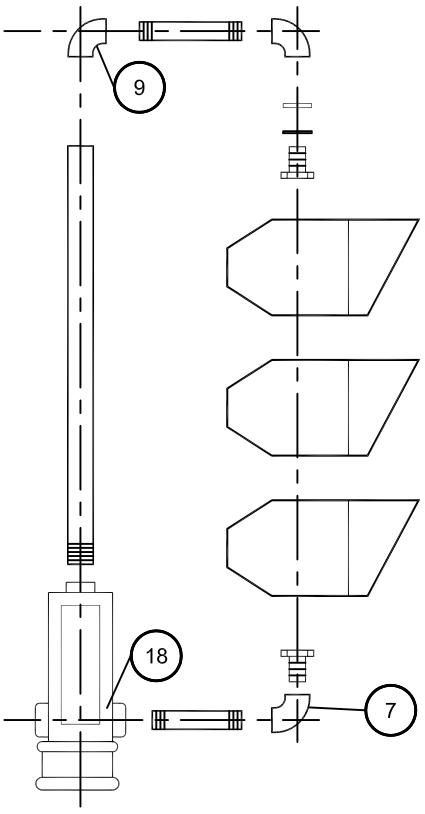
SIDE VIEW

NOTES:

1. ALL SIGNALS ARE 12" NOMINAL (GLASS).
2. FOR ITEMIZED PARTS, SEE DRAWING NO. 404.1005.

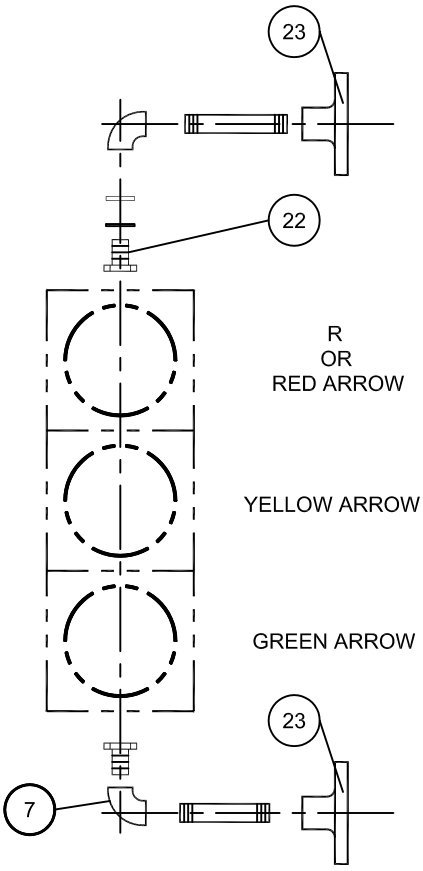
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES A-4T, A-5T		
		DATE	DWG. NO. 404.1012	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



PROGRAMMED
VISIBILITY
HEAD

A-6T

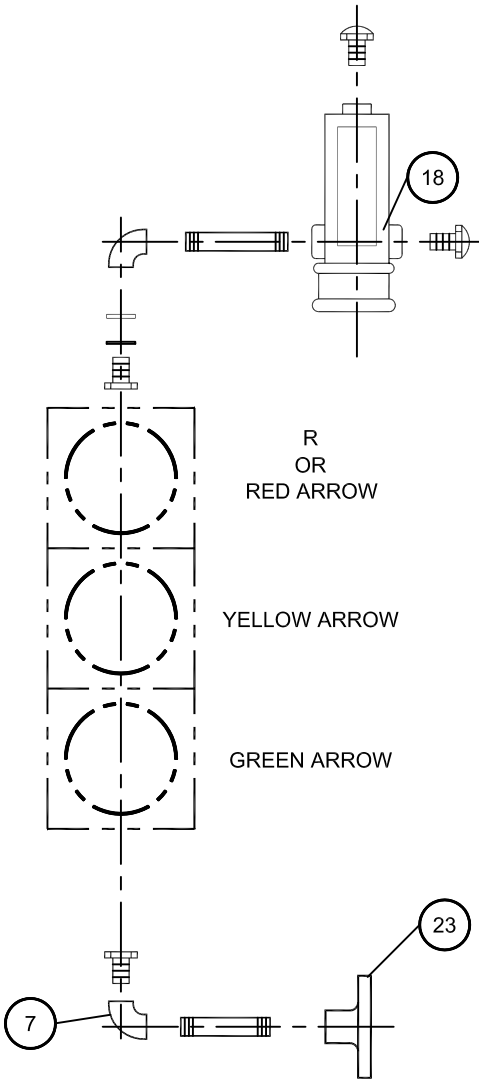


NOTES:

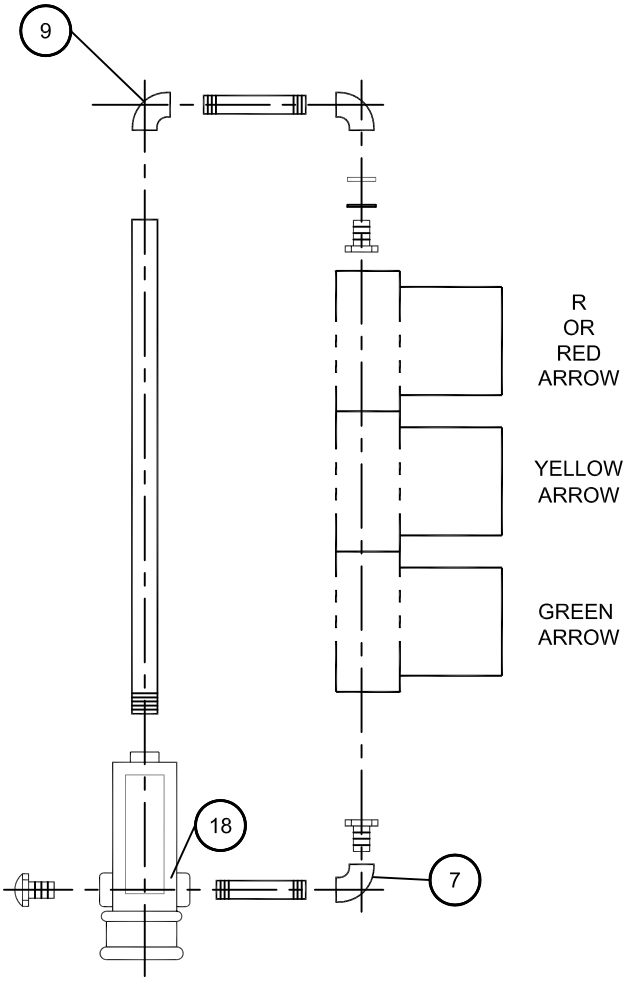
1. ON LOWER ASSEMBLY, ALL INDICATIONS ARE 12" NOMINAL (GLASS).
2. SEE DRAWING NO. 404.1410 FOR ARROW LENS.
3. ON TOP ASSEMBLY, USE M-3 WITH BACKPLATE.
4. SEE STANDARD SPECIFICATIONS FOR PROGRAMMED VISIBILITY HEAD.
5. SEE DRAWING NO. 404.1005 FOR ITEMIZED PARTS.
6. SEE SIGNAL PLANS FOR R OR RED ARROW INDICATION.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES A-6T		
		DATE 2-11-93	DWG. NO. 404.1013	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



A-9T



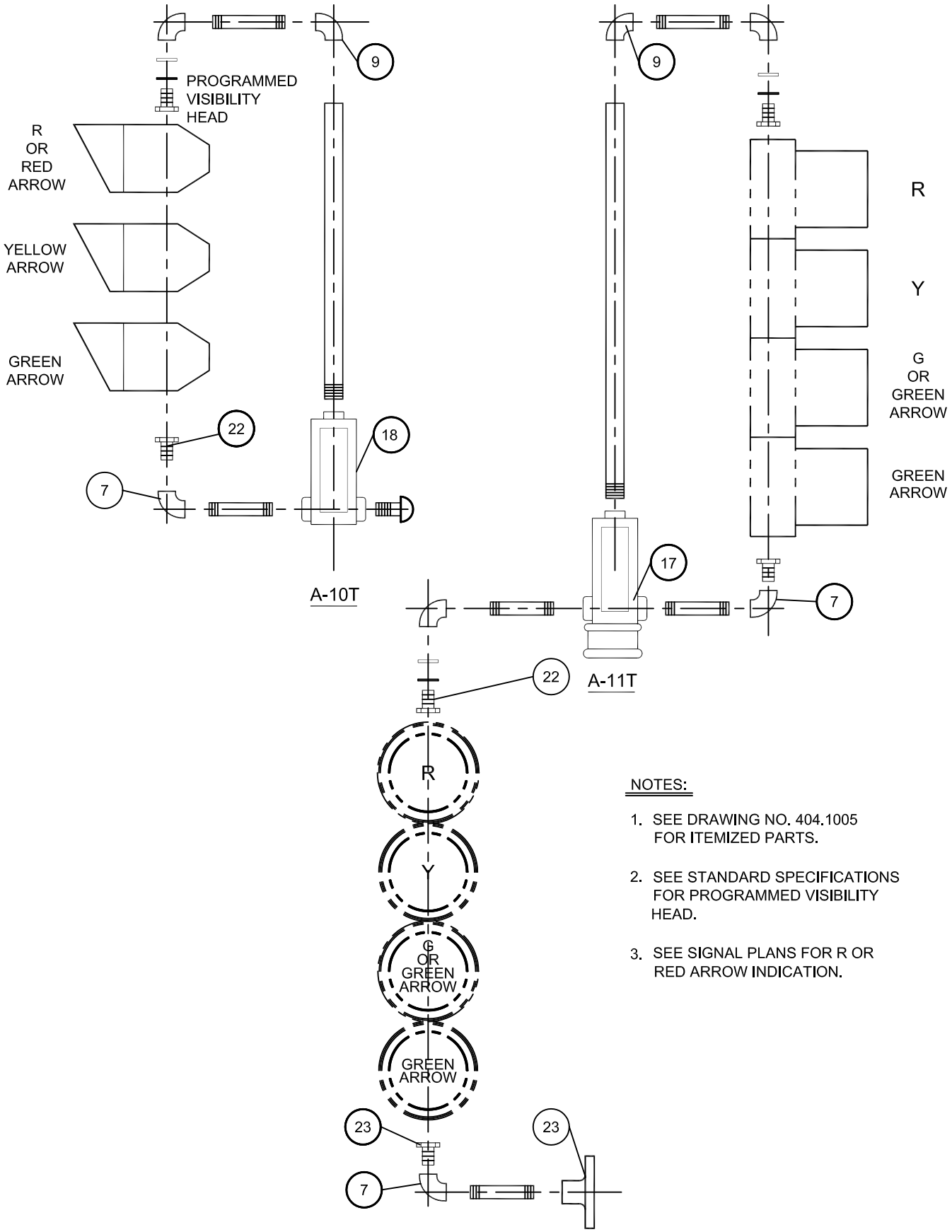
A-8T

NOTES:

1. PROVIDE BACKPLATE ON A-8T.
2. ALL INDICATIONS ARE 12" NOMINAL (GLASS).
3. SEE DRAWING NO. 404.1410 OR ARROW LENS.
4. SEE DRAWING NO. 404.1005 FOR ITEMIZED PARTS.
5. SEE SIGNAL PLANS FOR R OR RED ARROW INDICATION.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES A-8T, A-9T		
		DATE 2-11-93	DWG. NO. 404.1015	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

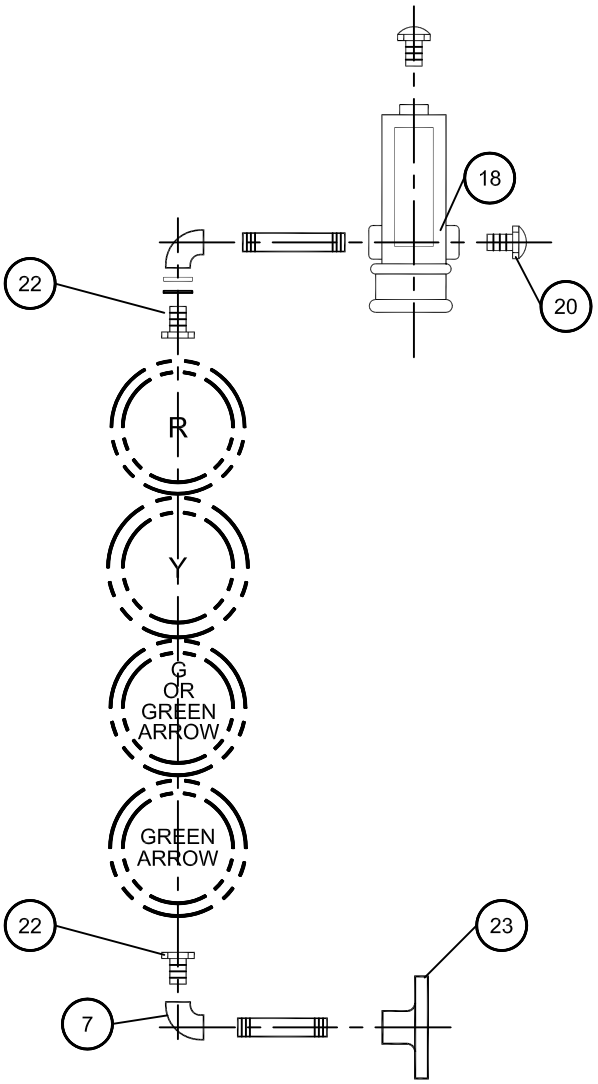


NOTES:

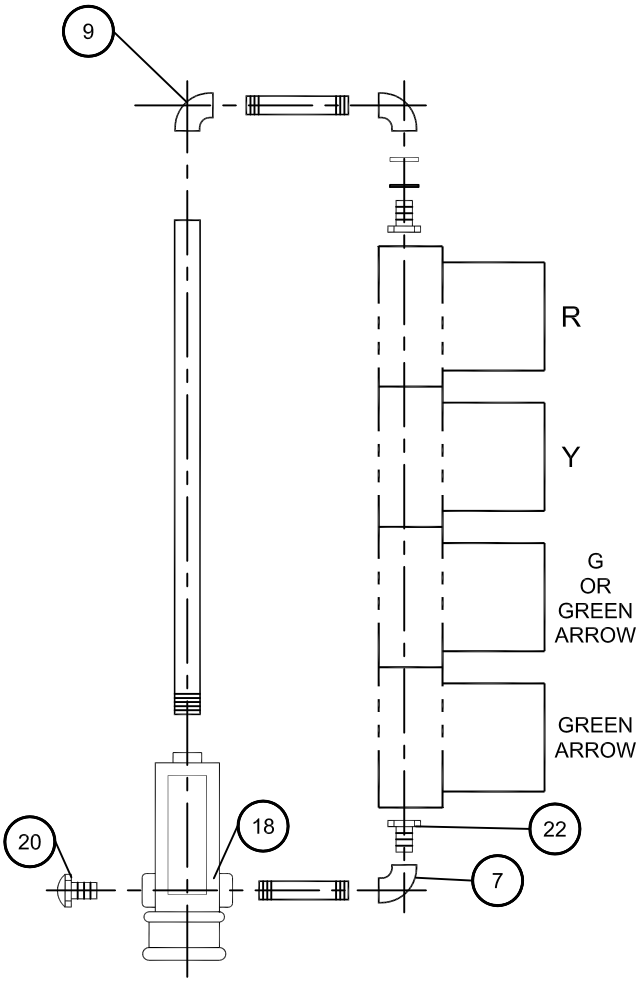
1. SEE DRAWING NO. 404.1005 FOR ITEMIZED PARTS.
2. SEE STANDARD SPECIFICATIONS FOR PROGRAMMED VISIBILITY HEAD.
3. SEE SIGNAL PLANS FOR R OR RED ARROW INDICATION.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
	SIGNAL ASSEMBLIES A-10T, A-11T		
	DATE 2-11-93	DWG. NO. 404.1016	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



A-12T



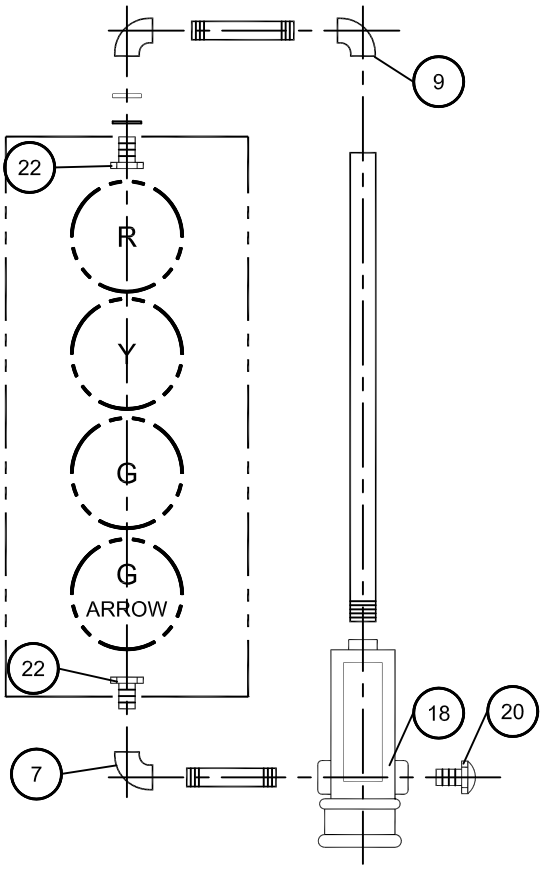
A-13T

NOTES:

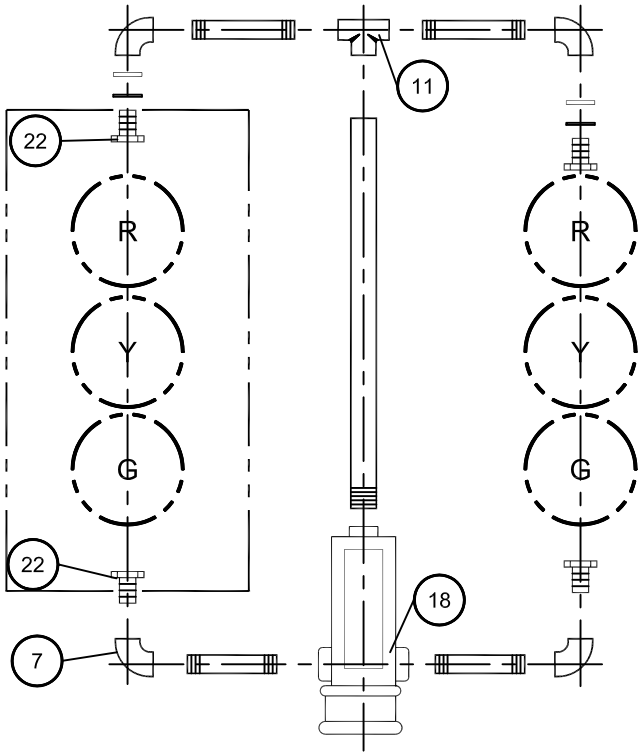
1. FOR ITEMIZED PARTS SEE DRAWING NO. 404.1005.
2. FOR ARROW LENS SEE DRAWING NO. 404.1410.
3. PROVIDE BACKPLATE ON A-13T ONLY.
4. ALL SIGNALS ARE 12" NOMINAL (GLASS).

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES A-12T, A-13T		
		DATE 2-11-93	DWG. NO. 404.1017	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



A-15T



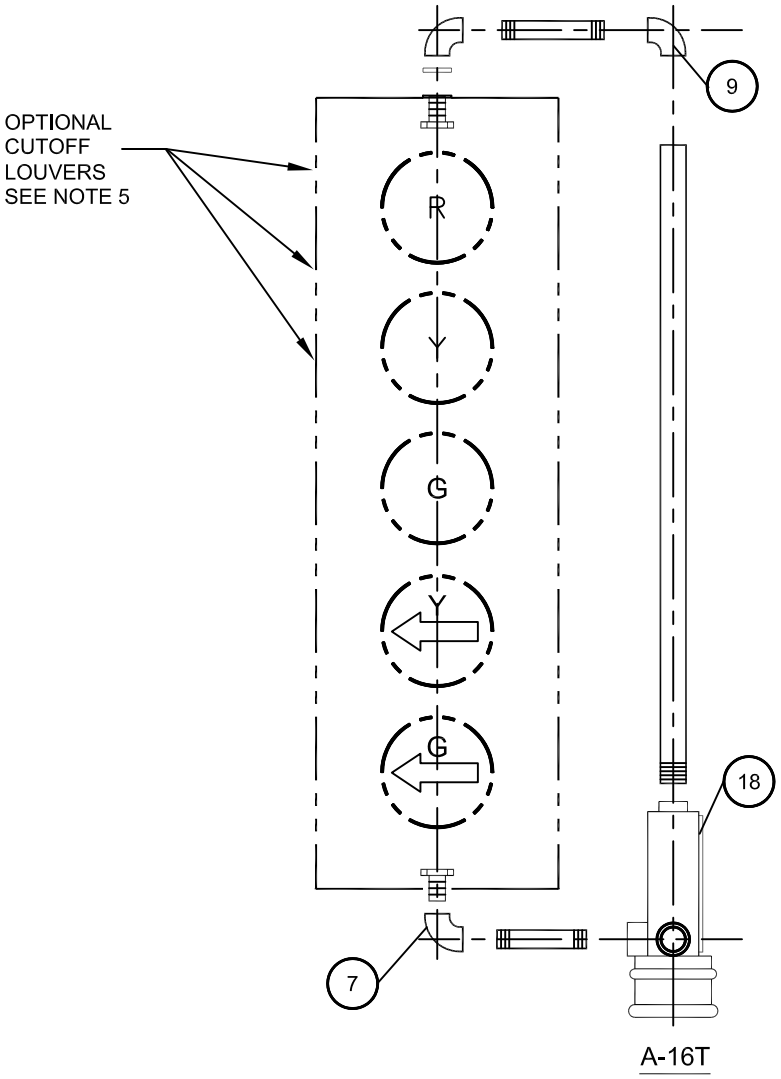
A-14T

NOTES:

1. ALL SIGNALS ARE 12" NOMINAL (GLASS).
2. FOR ITEMIZED PARTS, SEE DRAWING NO. 404.1005.
3. FOR ARROW LENS SEE DRAWING NO. 404.1410.
4. SEE PLANS FOR BACKPLATE REQUIREMENTS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES A-14T, A-15T		
		DATE	DWG. NO. 404.1018	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



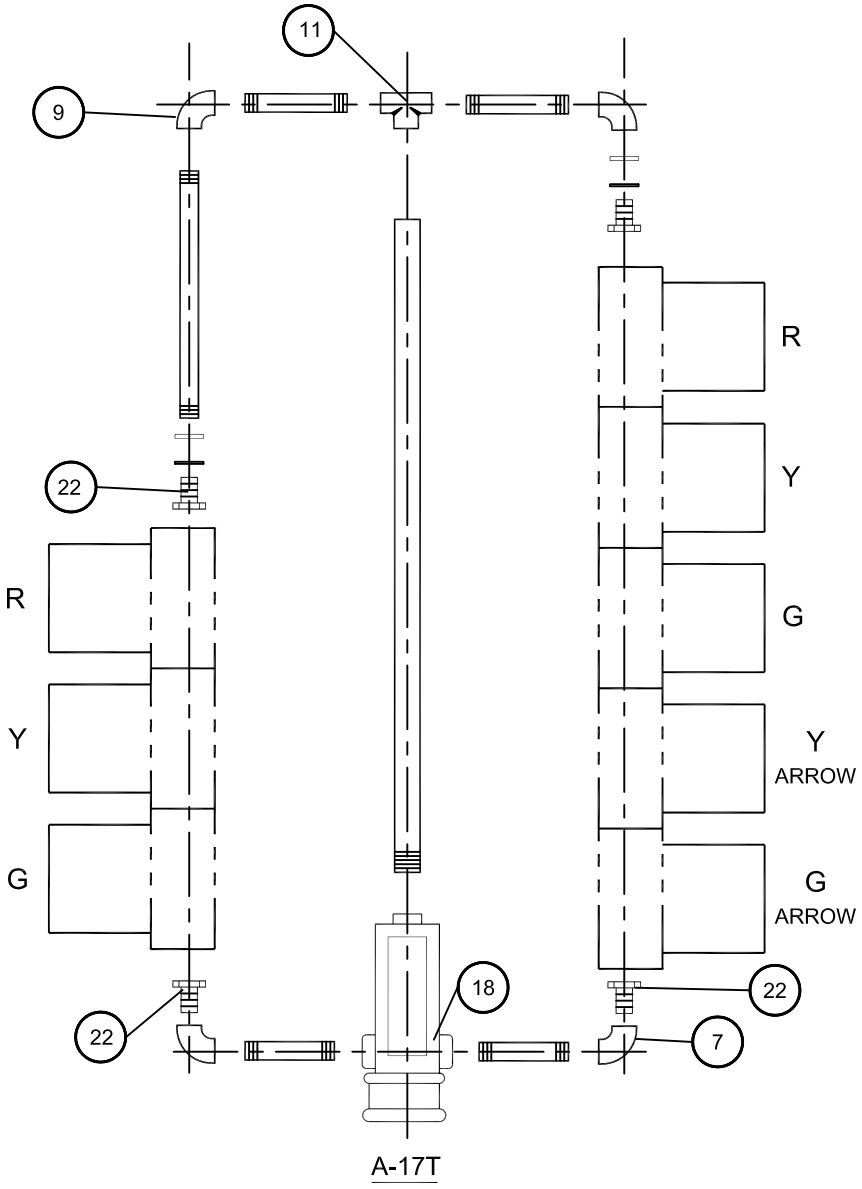
A-16T

NOTES:

1. ALL SIGNALS ARE 12" NOMINAL (GLASS).
2. FOR ITEMIZED PARTS SEE DRAWING NO. 404.1005.
3. FOR ARROW LENS SEE DRAWING NO. 404.1410.
4. SEE PLANS FOR BACKPLATE REQUIREMENTS.
5. OPTIONAL 3° CUTOFF LOUVERS ON RED, YELLOW AND GREEN BALL INDICATIONS MAY BE PROVIDED AS DIRECTED BY THE TRAFFIC ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES A-16T		
		DATE 5-12-94	DWG. NO. 404.1019	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

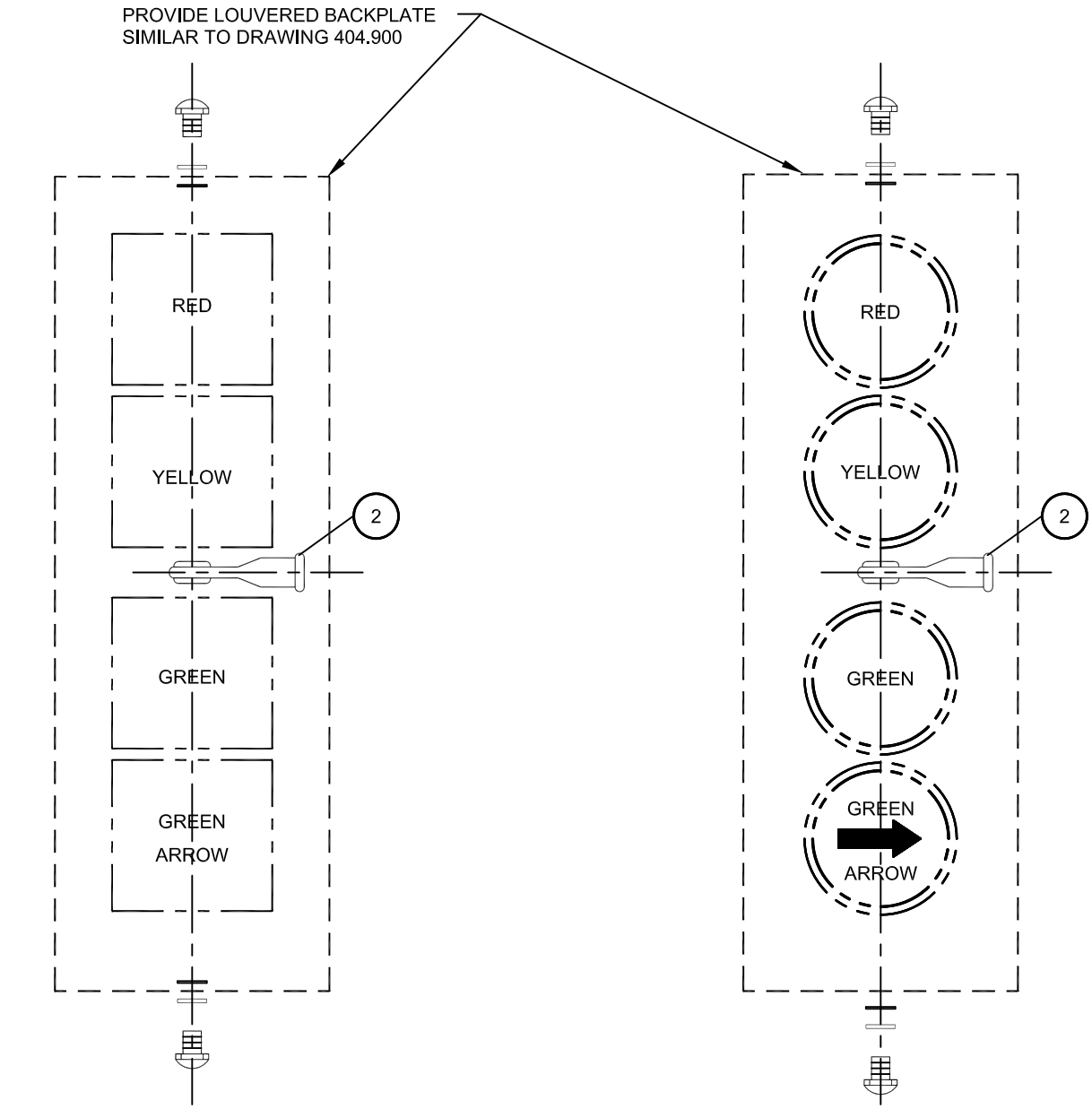


NOTES:

1. FOR ITEMIZED PARTS SEE DRAWING NO. 404.1005.
2. FOR ARROW LENS SEE DRAWING NO. 404.1410.
3. SEE PLANS FOR BACKPLATE REQUIREMENTS.
4. ALL SIGNALS ARE 12" NOMINAL (GLASS).

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES A-17T		
		DATE	DWG. NO. 404.1020	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



PROGRAMMED VISIBILITY HEADS
M-3A

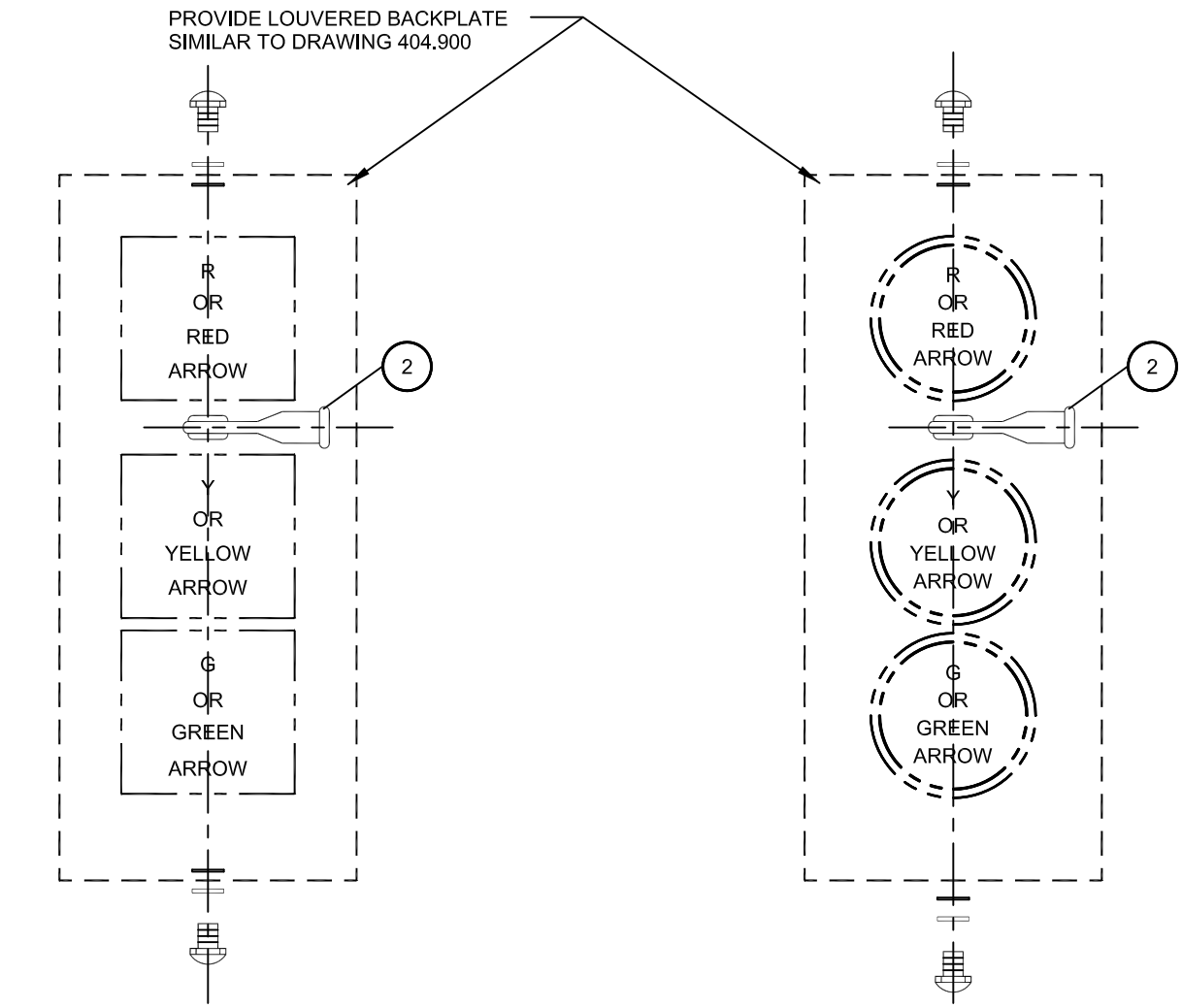
STANDARD 12" SIGNAL HEADS
M-2A

NOTES:

1. ALL SIGNALS ARE 12" NOMINAL (GLASS)
2. FOR ITEMIZED PARTS, SEE DRAWING 404.1005.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		MAST ARM SIGNAL ASSEMBLIES M-2A, M-3A		
		DATE	DWG. NO. 404.1022	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



PROGRAMMED VISIBILITY HEADS
M-3

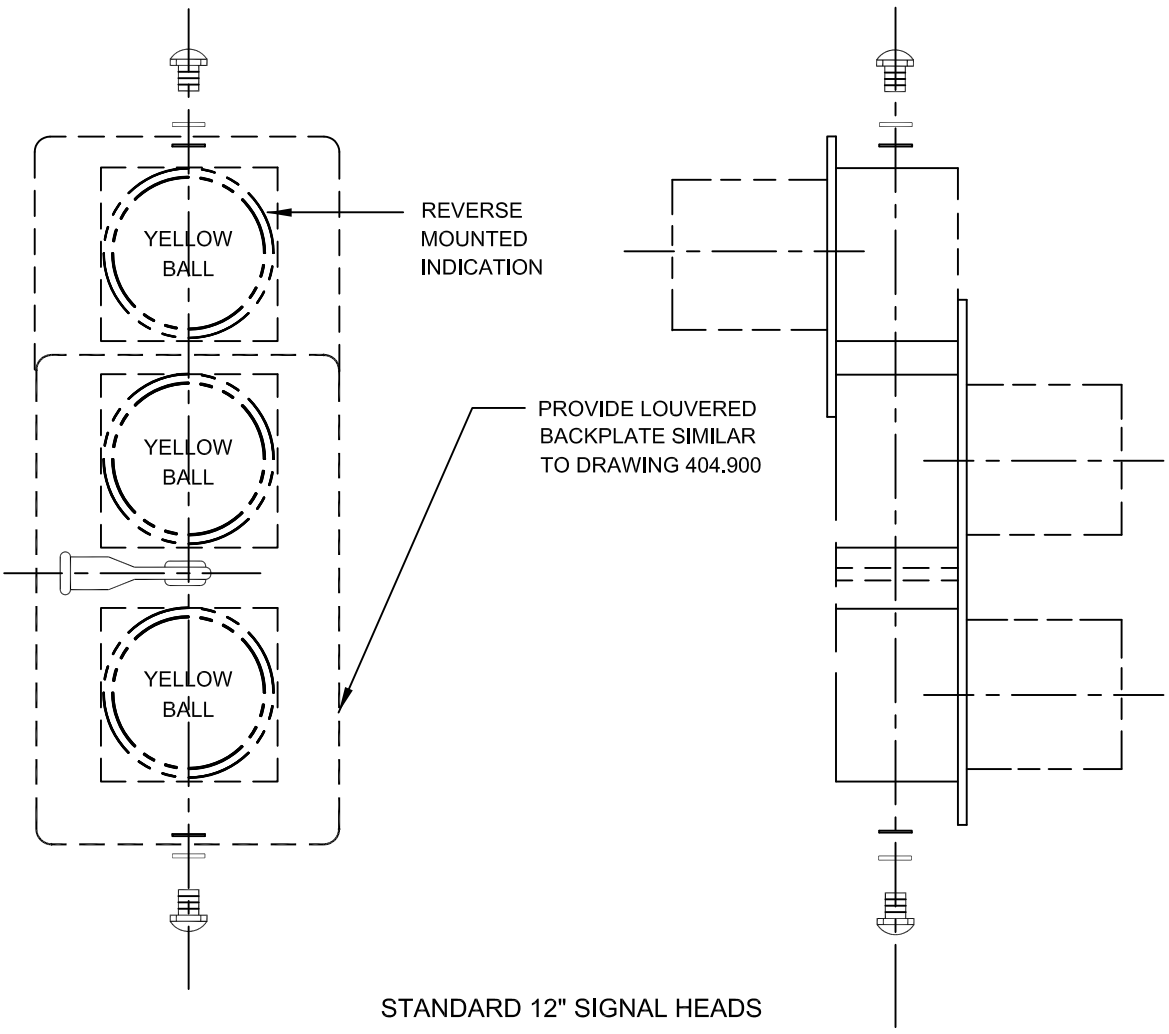
STANDARD 12" SIGNAL HEADS
M-2

NOTES:

1. SEE STANDARD SPECIFICATIONS FOR PROGRAMMED VISIBILITY HEAD.
2. ALL M-2 INDICATIONS ARE 12" NOMINAL (GLASS).
3. SEE DRAWING NO. 404.1005 FOR ITEMIZED PARTS.
4. SEE SIGNAL PLANS FOR BALL OR ARROW INDICATIONS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		MAST ARM SIGNAL ASSEMBLIES M-3, M-2		
		DATE 2-11-93	DWG. NO. 404.1023	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



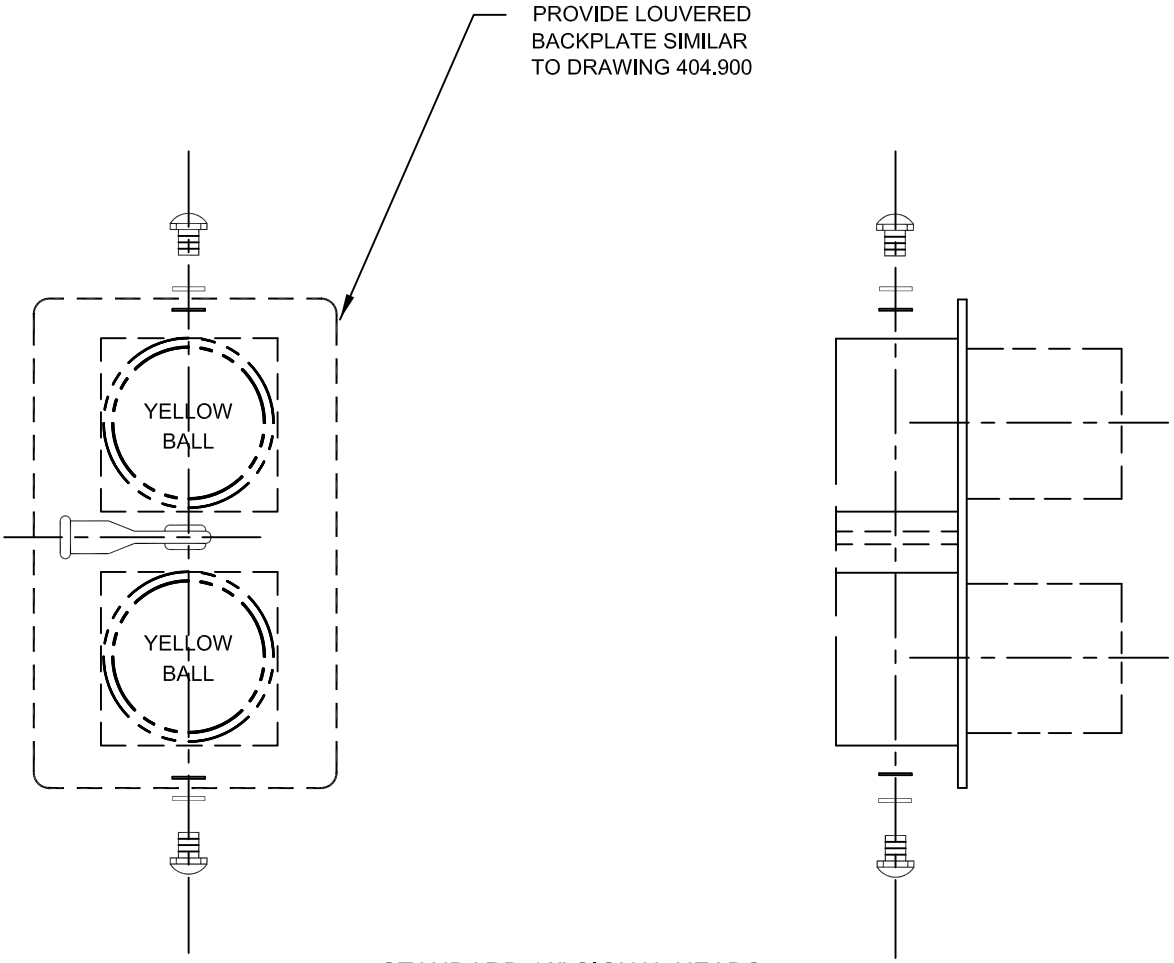
STANDARD 12" SIGNAL HEADS
M-2A

NOTES:

1. ALL INDICATIONS ARE TO BE YELLOW LED BALLS.
2. ALL M-2A INDICATIONS ARE 12" NOMINAL.
3. CIRCULAR VISORS TO BE INSTALLED ON ALL HEADS.
4. SEE SIGNAL PLANS FOR MAST ARM TENON LOCATIONS.
5. THIS HEAD ASSEMBLY SHALL BE USED ONLY ON THE END OF THE MAST ARM.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SCHOOL FLASHER MAST ARM SIGNAL ASSEMBLIES M-2A		
		DATE 3-10-05	DWG. NO. 404.1023A1	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09



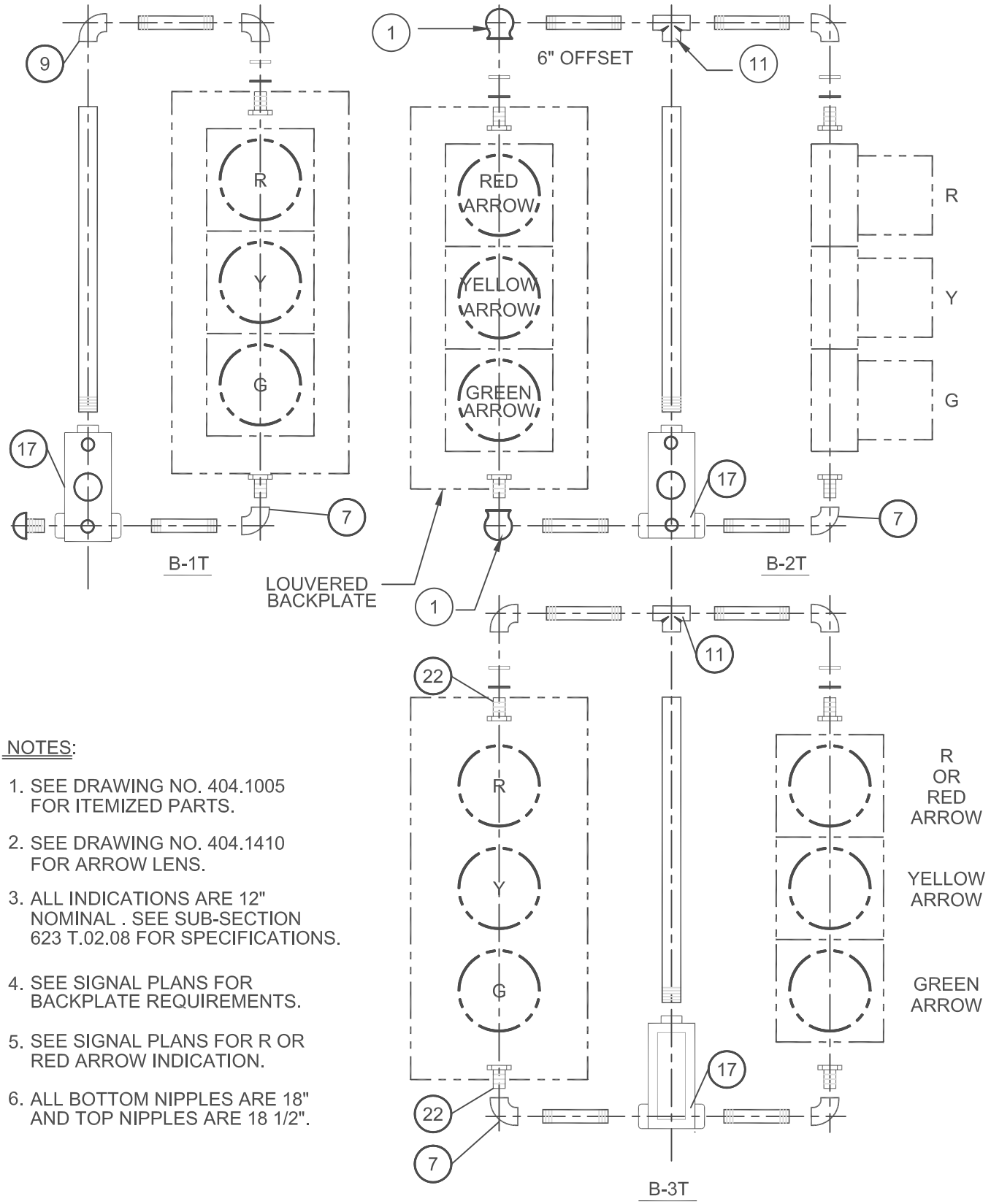
STANDARD 12" SIGNAL HEADS
M-2B

NOTES:

1. ALL INDICATIONS ARE TO BE YELLOW LED BALLS.
2. ALL M-2B INDICATIONS ARE 12" NOMINAL.
3. CIRCULAR VISORS TO BE INSTALLED ON ALL HEADS.
4. SEE SIGNAL PLANS FOR MAST ARM TENON LOCATIONS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SCHOOL FLASHER MAST ARM SIGNAL ASSEMBLIES M-2B		
		DATE 3-10-05	DWG. NO. 404.1023A1	SHEET 2 OF 2

Effective 07/01/09 - 12/30/09

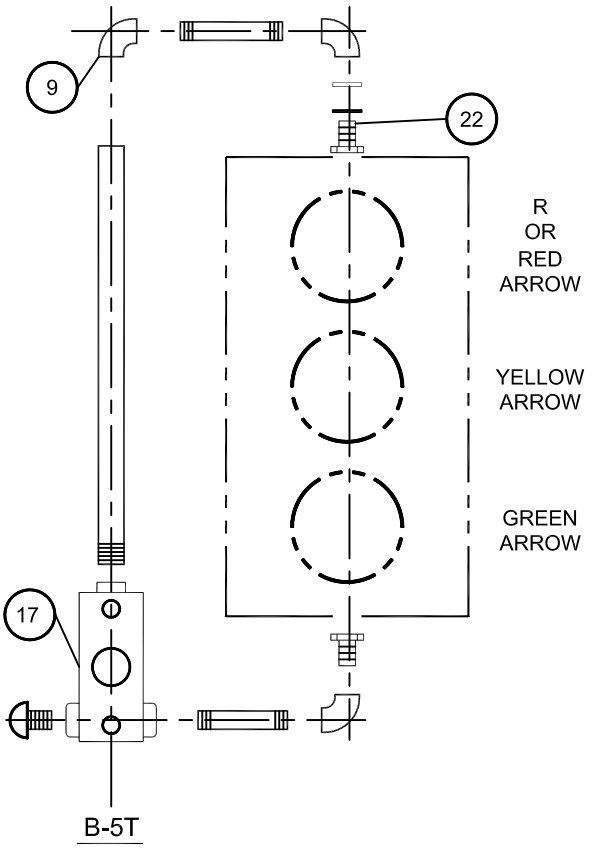


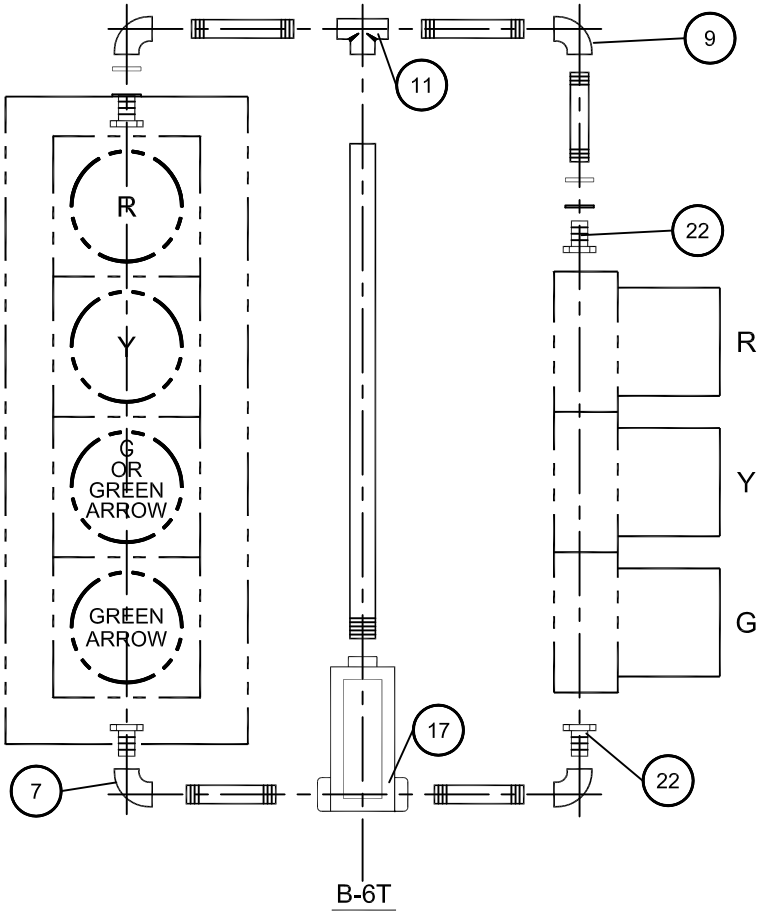
NOTES:

1. SEE DRAWING NO. 404.1005 FOR ITEMIZED PARTS.
2. SEE DRAWING NO. 404.1410 FOR ARROW LENS.
3. ALL INDICATIONS ARE 12" NOMINAL . SEE SUB-SECTION 623 T.02.08 FOR SPECIFICATIONS.
4. SEE SIGNAL PLANS FOR BACKPLATE REQUIREMENTS.
5. SEE SIGNAL PLANS FOR R OR RED ARROW INDICATION.
6. ALL BOTTOM NIPPLES ARE 18" AND TOP NIPPLES ARE 18 1/2".

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES B-1T, B-2T, B-3T		
		DATE:10-9-08	DWG. NO. 404.1024	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



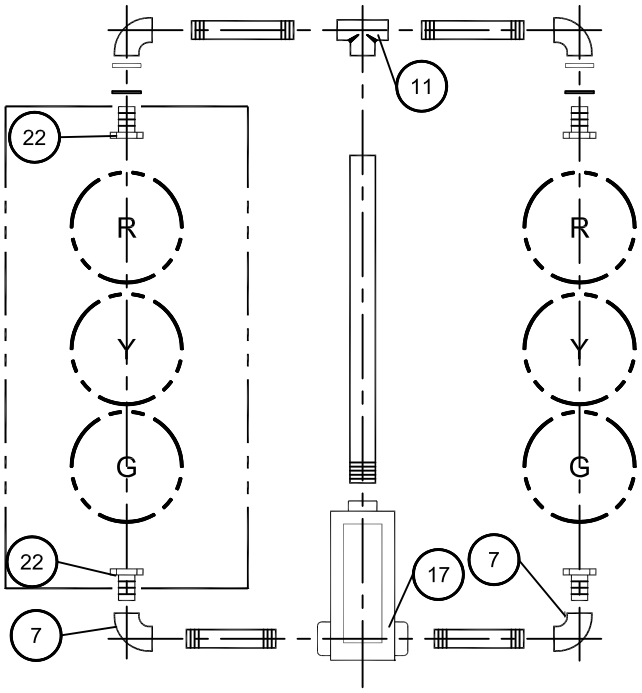


NOTES:

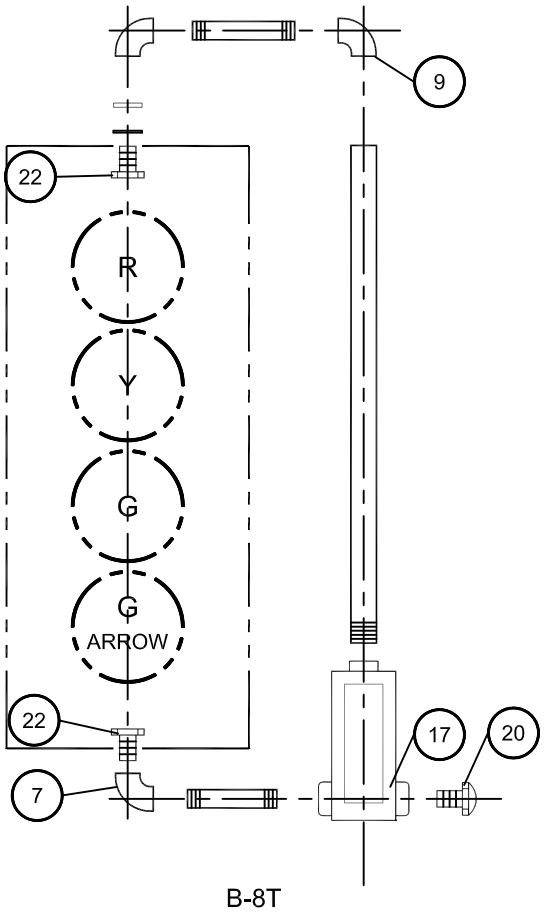
1. SEE DRAWING NO. 404.1005 FOR ITEMIZED PARTS.
2. SEE DRAWING NO. 404.1410 FOR ARROW LENS.
3. ALL INDICATIONS ARE 12" NOMINAL (GLASS).
4. SEE SIGNAL PLANS FOR BACKPLATE REQUIREMENTS.
5. SEE SIGNAL PLANS FOR R OR RED ARROW INDICATION.
6. ALL BOTTOM NIPPLES ARE 18" AND TOP NIPPLES ARE 18 1/2".

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES B-5T, B-6T		
		DATE 2-11-93	DWG. NO. 404.1025	SHEET 1 OF 1

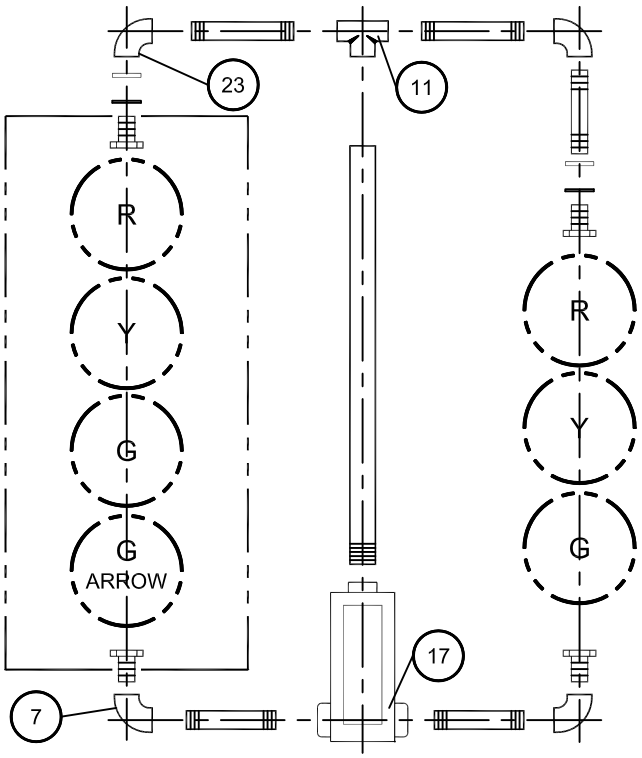
Effective 07/01/09 - 12/30/09



B-7T



B-8T



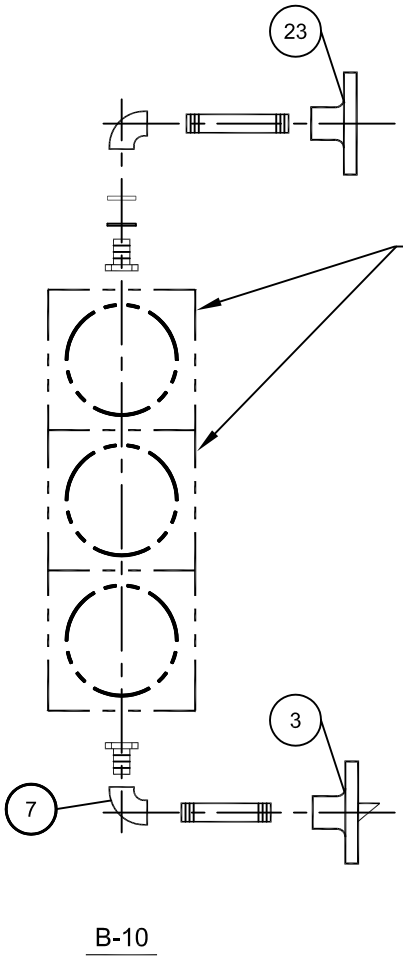
B-9T

NOTES:

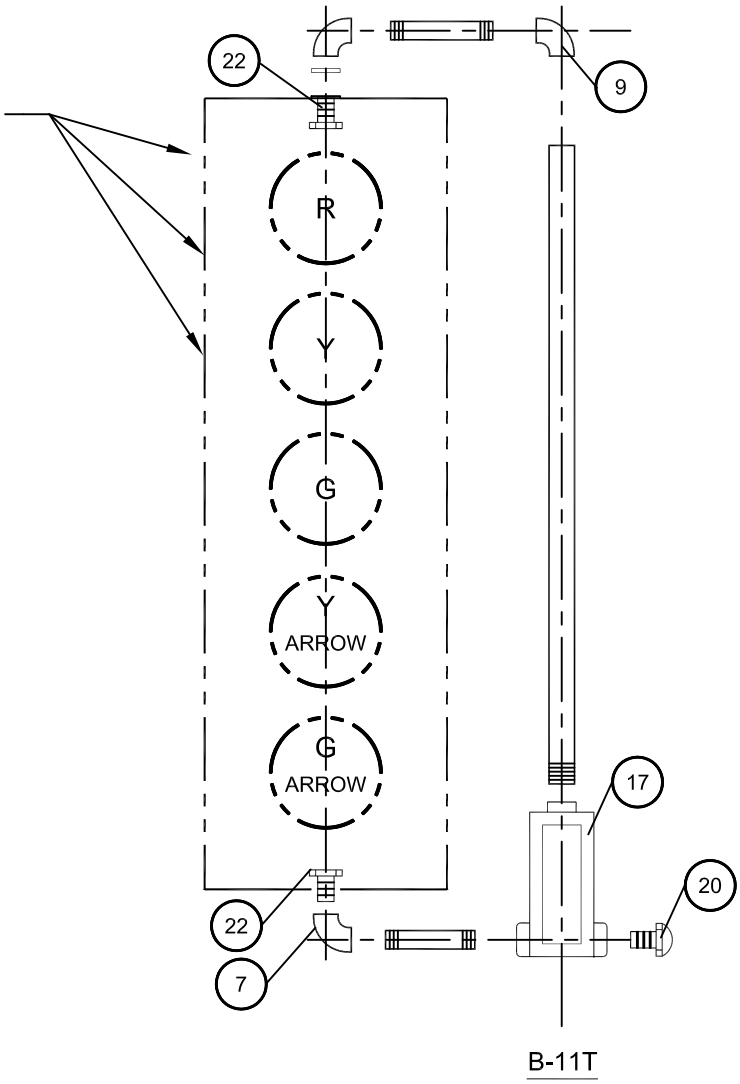
1. FOR ITEMIZED PARTS, SEE DRAWING NO. 404.1005.
2. FOR ARROW LENS SEE DRAWING NO. 404.1410.
3. ALL SIGNALS ARE 12" NOMINAL (GLASS) UNLESS NOTED.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES B-7T, B-8T, B-9T		
		DATE	DWG. NO. 404.1026	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



B-10



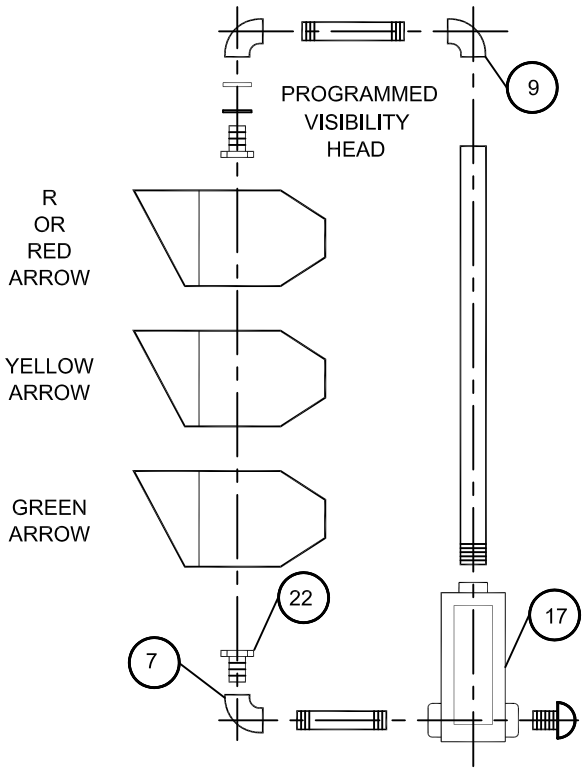
B-11T

NOTES:

1. ALL SIGNALS ARE 12" NOMINAL (GLASS).
2. FOR ITEMIZED PARTS SEE DRAWING 404.1005.
3. FOR ARROW LENS SEE DRAWING 404.1410.
4. SEE PLANS FOR BACKPLATE REQUIREMENTS.
5. OPTIONAL 3° CUTOFF LOUVERS ON RED, YELLOW AND GREEN BALL INDICATIONS ON 5-SECTION HEADS MAY BE PROVIDED AS DIRECTED BY THE TRAFFIC ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIGNAL ASSEMBLIES B-10, B-11T		
		DATE 5-12-94	DWG. NO. 404.1027	SHEET 1 OF 1

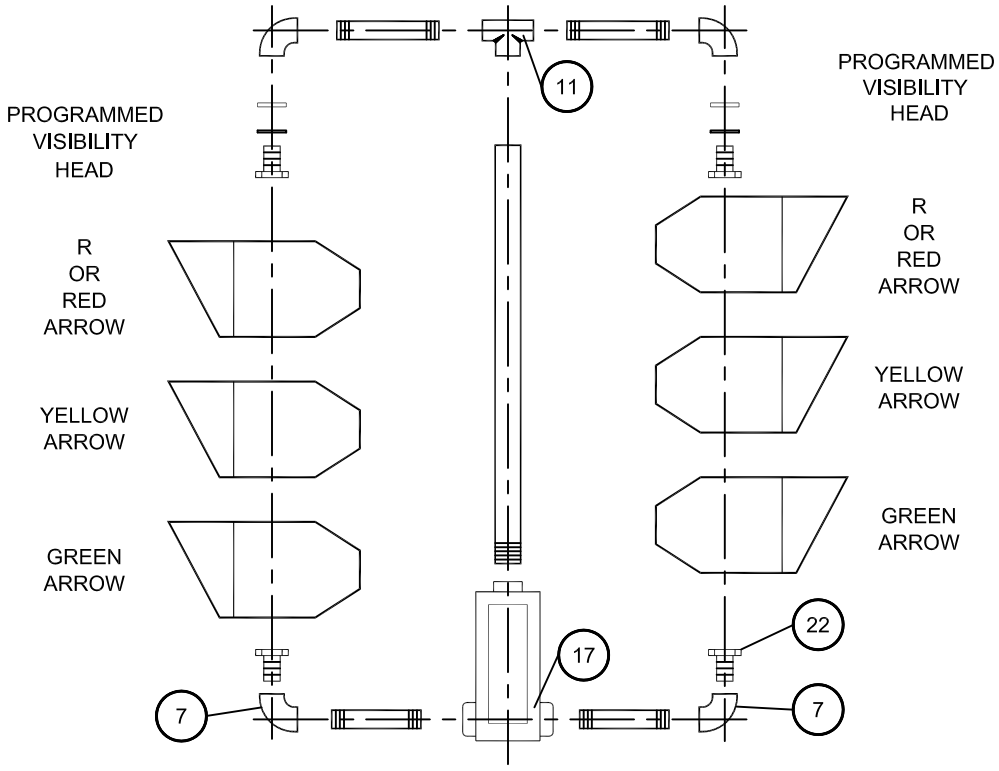
Effective 07/01/09 - 12/30/09



B-12T

NOTES:

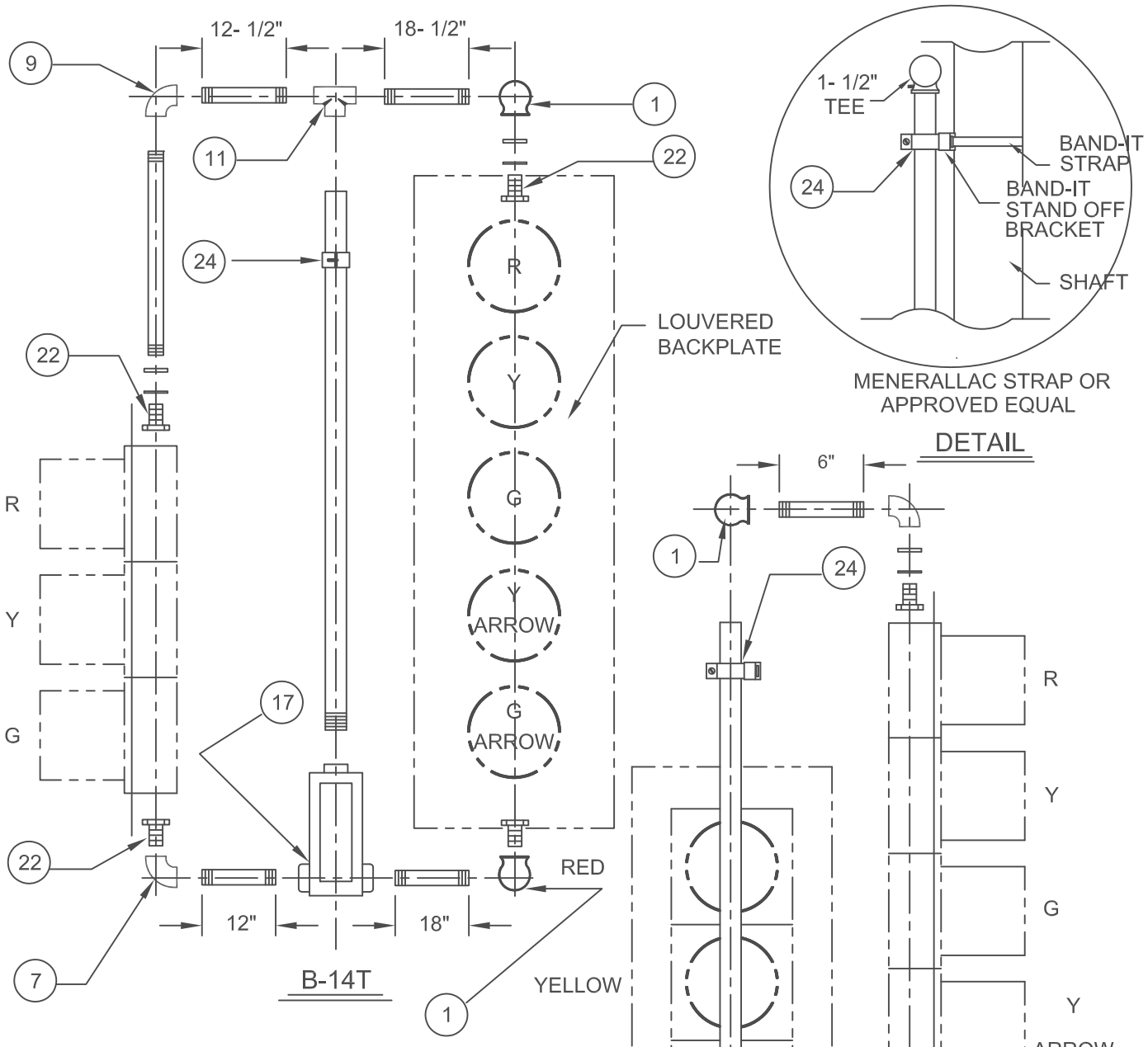
1. SEE DRAWING NO. 404.1005 FOR ITEMIZED PARTS.
2. SEE STANDARD SPECIFICATIONS FOR PROGRAMMED VISIBILITY HEADS.
3. SEE SIGNAL PLANS FOR BACKPLATE REQUIREMENTS.
4. SEE SIGNAL PLANS FOR R OR RED ARROW INDICATION.
5. ALL BOTTOM NIPPLES ARE 18" AND TOP NIPPLES ARE 18 1/2".



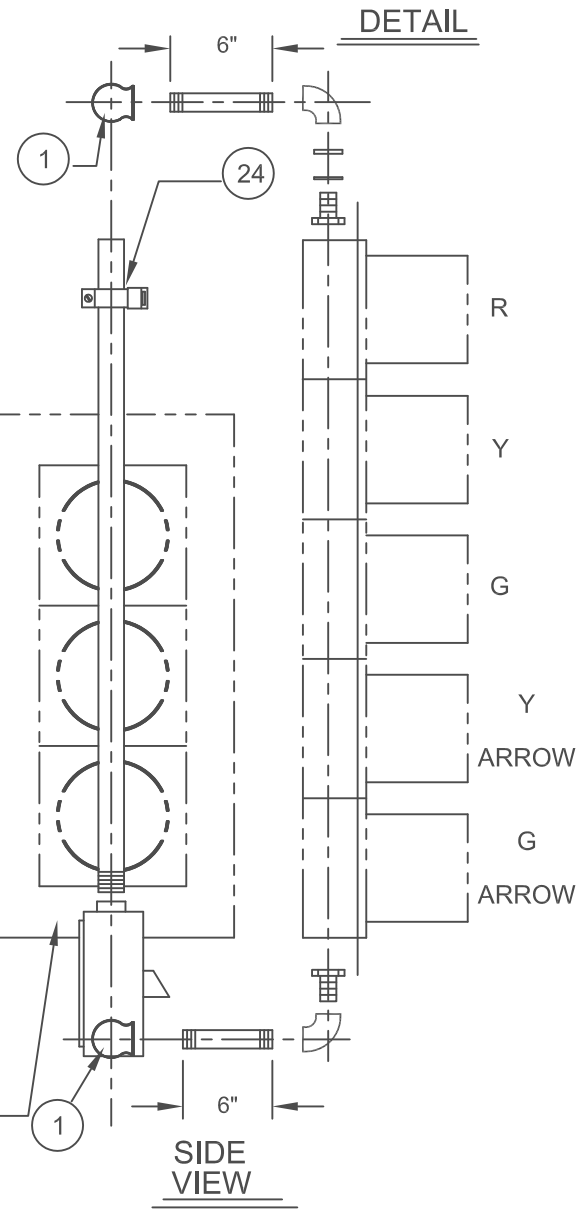
B-13T

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA			
		SIGNAL ASSEMBLIES B-12T, B-13T			
		DATE 2-11-93	DWG. NO. 404.1028	SHEET 1 OF 1	

Effective 07/01/09 - 12/30/09



MENERALLAC STRAP OR
APPROVED EQUAL



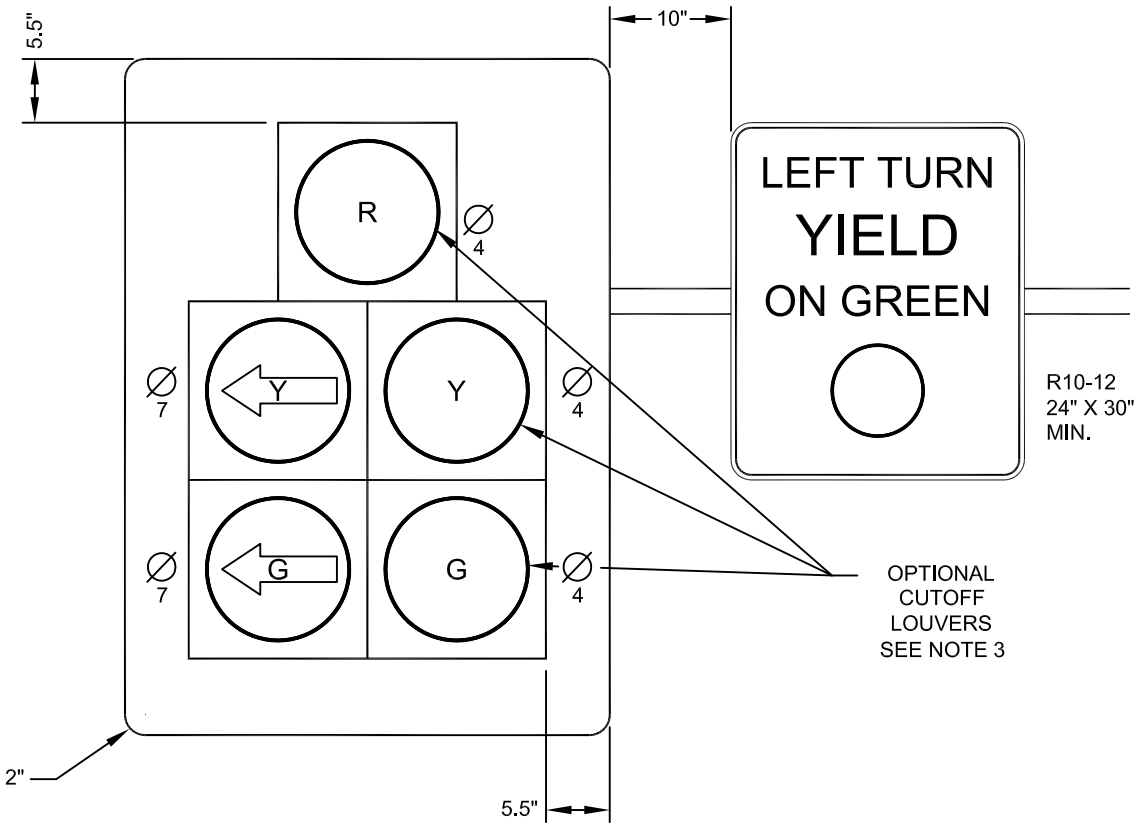
SIDE
VIEW

NOTES:

1. FOR ITEMIZED PARTS SEE DRAWING NO. 404.1005.
2. FOR ARROW LENS SEE DRAWING NO. 404.1410.
3. SEE PLANS FOR BACKPLATE REQUIREMENTS.
4. ALL SIGNALS ARE 12" NOMINAL. SEE SUB-SECTION 623 T.02.08 FOR SPECIFICATIONS.
5. OPTIONAL 3° CUTOFF LOUVERS ON RED, YELLOW AND GREEN BALL INDICATIONS ON 5-SECTION HEADS MAY BE PROVIDED AS DIRECTED BY THE TRAFFIC ENGINEER.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
	SIGNAL ASSEMBLIES B-14T
	DATE : 10-9-08 | DWG. NO. 404.1029 | SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

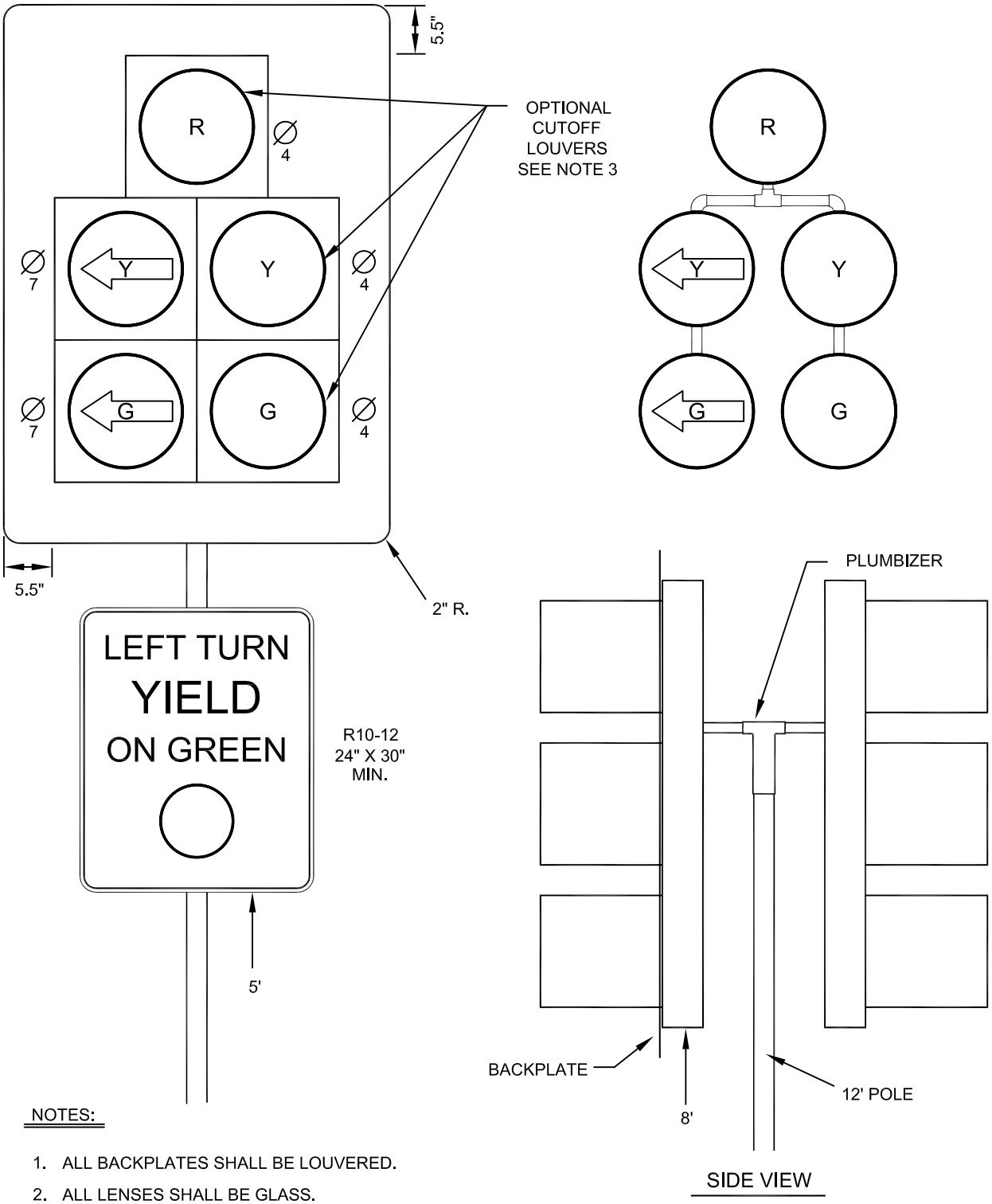


NOTES:

1. ALL BACKPLATES SHALL BE LOUVERED.
2. ALL LENSES SHALL BE GLASS.
3. OPTIONAL 3° CUTOFF LOUVERS ON RED, YELLOW AND GREEN BALL INDICATIONS MAY BE PROVIDED AS DIRECTED BY THE TRAFFIC ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		PROTECTED / PERMISSIVE M-5 SIGNAL HEADS		
		DATE 5-12-94	DWG. NO. 404.1030	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

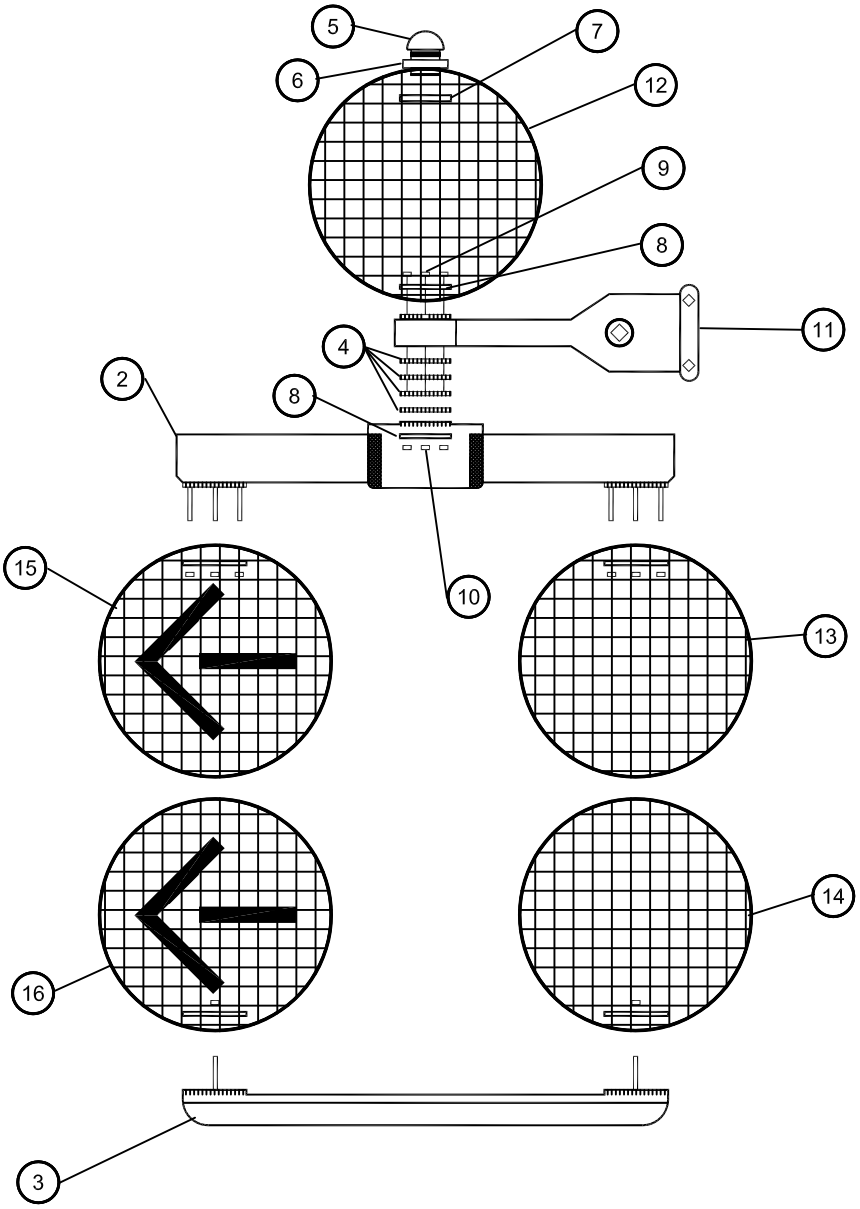


NOTES:

1. ALL BACKPLATES SHALL BE LOUVERED.
2. ALL LENSES SHALL BE GLASS.
3. OPTIONAL 3° CUTOFF LOUVERS ON RED, YELLOW AND GREEN BALL INDICATIONS MAY BE PROVIDED AS DIRECTED BY THE TRAFFIC ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		PROTECTED / PERMISSIVE M-5 SIGNAL HEADS		
		DATE 5-12-94	DWG. NO. 404.1031	SHEET 1 OF 3

Effective 07/01/09 - 12/30/09



BACKPLATE TO MATCH
ORDER PART NO. E 2074
NOTES:
UNLESS OTHERWISE SPECIFIED

1 ASSEMBLY

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TYPE: M-5 ASSEMBLIES AND PARTS LIST		
		DATE	DWG. NO. 404.1031	SHEET 2 OF 3

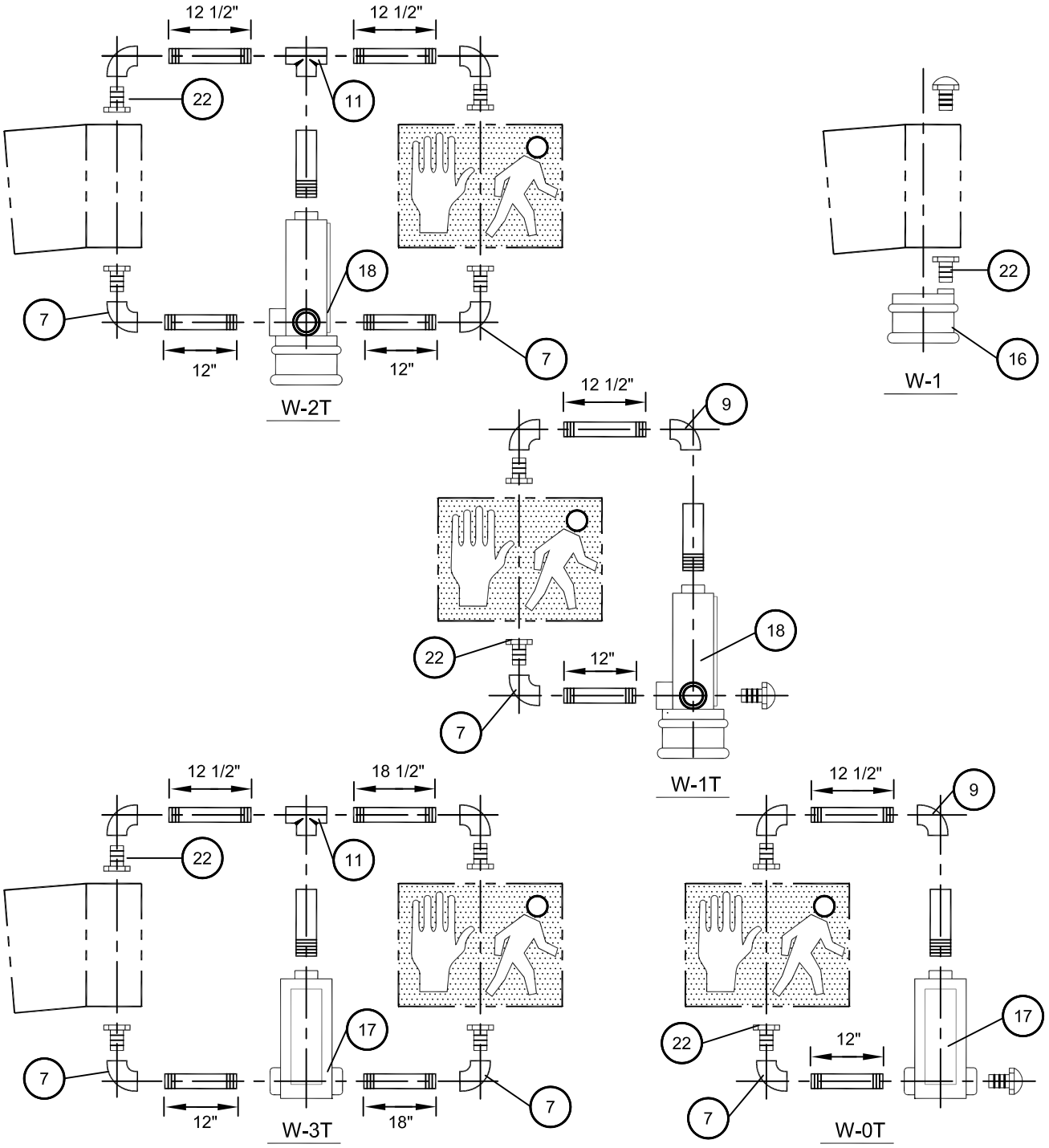
Effective 07/01/09 - 12/30/09

FW 2933 AND SIGNAL ASSEMBLY

FRAMEWORK -- CLUSTER MOUNTING
1 WAY, 5 COL., 12" ALUMINUM SIGNAL
WITH ELEVATOR PLUMBIZER

REF #	PART NO.	DESCRIPTION	REQ.
1	FW2933	ASSEMBLY	X
2	E205P1	TOP BRACKET W/COVER	1
3	E2051P1	BOTTOM BRACKET	1
4	E1270P1	ADAPTOR RING	4
5	E1206P	ORNAMENT	1
6	E1251P1	WASHER, NEOPRENE	1
7	55712P6	CONDUIT LOCKNUT	1
8	E789P1	ATTACHING WASHER	2
9	E788P2	ATTACHING BOLT	3
10	N210P23C	ATTACHING NUT	3
11	FW0904G	ELEV. PLUMIZER, OLD STYLE (NO LONGER AVAILABLE)	1
12	E4955P1	RED BALL LENS	1
13	E4955P22	YELLOW BALL LENS	1
14	E4955P3	GREEN BALL LENS	1
15	E4960P2	YELLOW ARROW LENS	1
16	E4960P3	GREEN ARROW LENS	1
17	E2074G5	BACKPLATE	1

Effective 07/01/09 - 12/30/09



NOTES:

1. FOR GENERAL SPECIFICATIONS SEE TRAFFIC SIGNAL PLANS.
2. FOR ITEMIZED PARTS, SEE DRAWING NO. 404.1005.
3. THE HAND SYMBOL (DON'T WALK) IS PORTLAND ORANGE AND HUMAN SYMBOL (WALK) IS LUNAR WHITE.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		PEDESTRIAN SIGNAL ASSEMBLIES W-0T, W-1, W-2T, W-3T, W-1T		
		DATE 12-12-96	DWG. NO. 404.1032	SHEET 1 OF 1

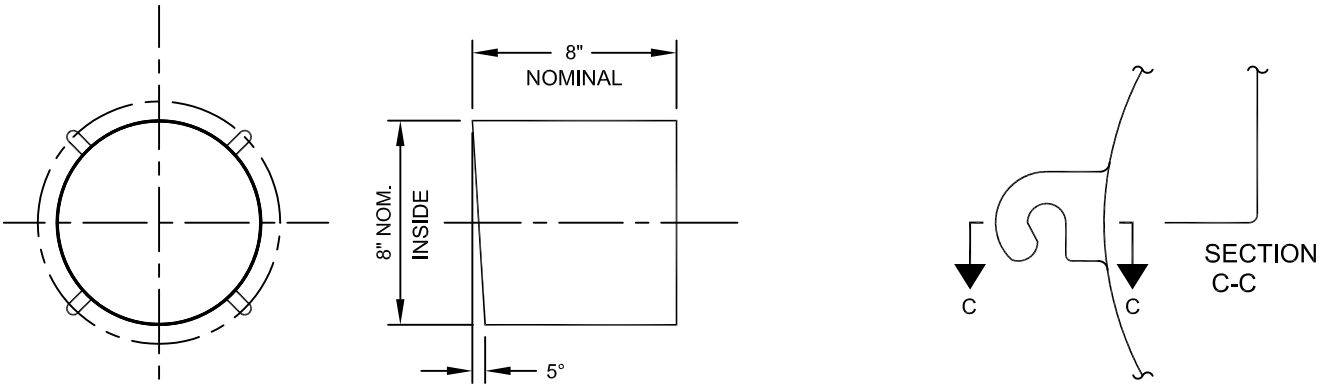
Effective 07/01/09 - 12/30/09

NOTE: TAMPER-PROOF SCREWS TO BE USED.

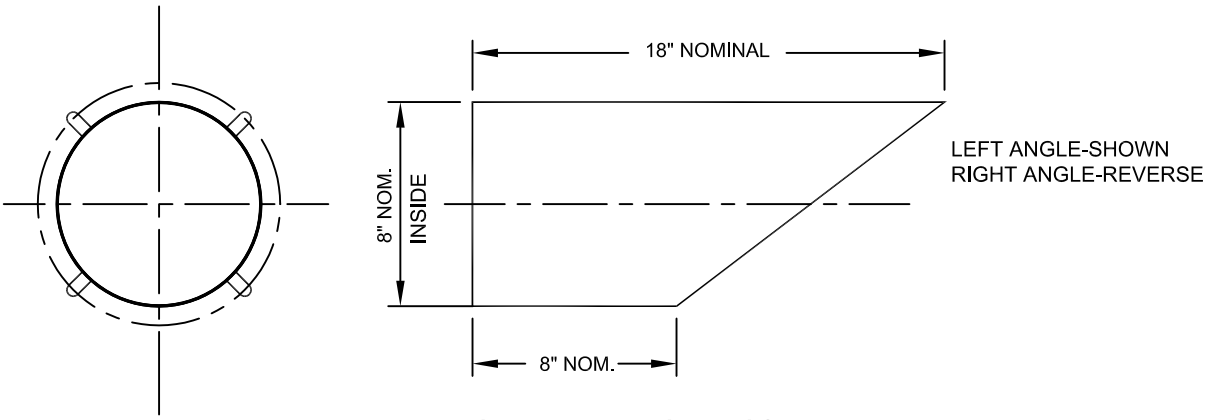


SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		PEDESTRIAN PUSH BUTTON SIGN DETAIL		
		DATE	DWG. NO. 404.1034	SHEET 1 OF 1

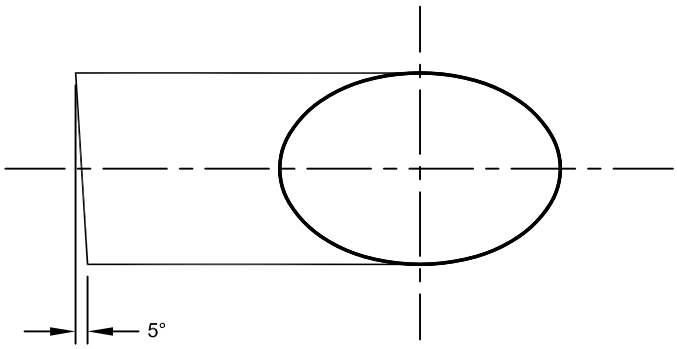
Effective 07/01/09 - 12/30/09



STANDARD FULL CIRCLE
VISOR



STANDARD ANGLE VISOR

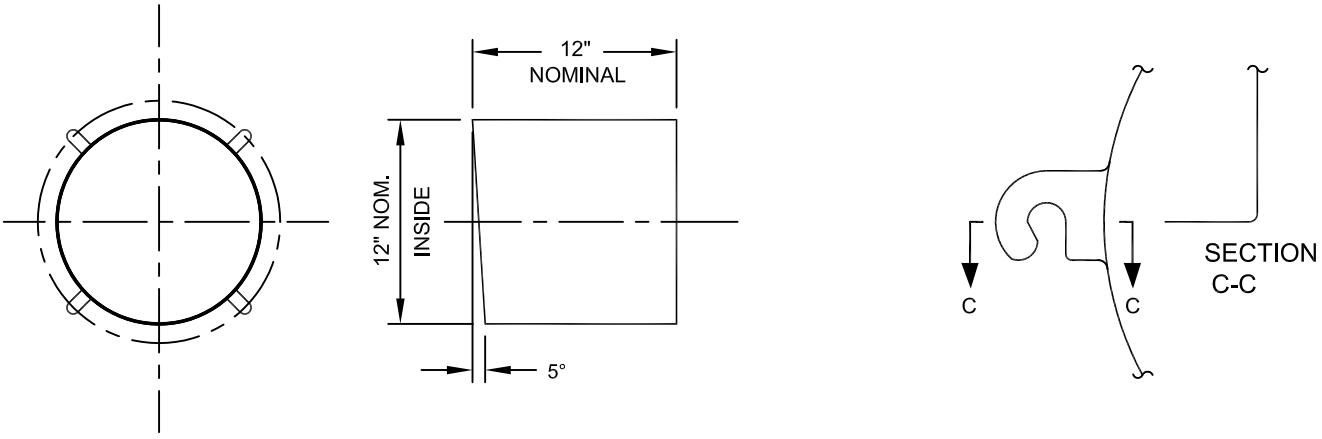


VISORS (FOR 8" HEADS)

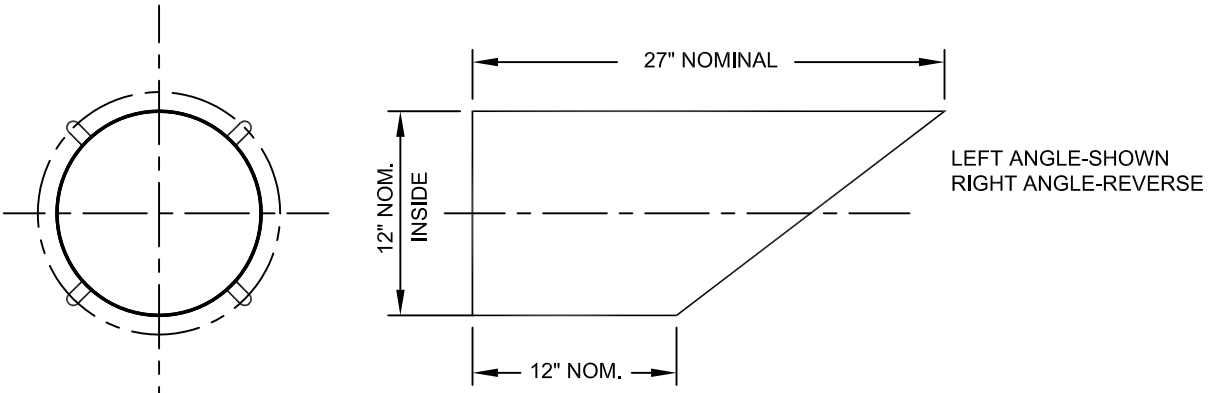
PAINT: FLAT BLACK ON INSIDE,
OUTSIDE PAINT COLOR SHALL
MATCH SIGNAL HOUSING.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		VISORS FOR 8" SIGNALS		
		DATE	DWG. NO. 404.1100	SHEET 1 OF 3

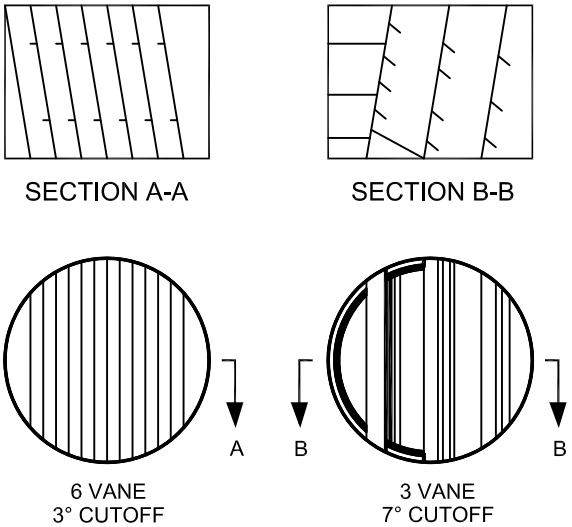
Effective 07/01/09 - 12/30/09



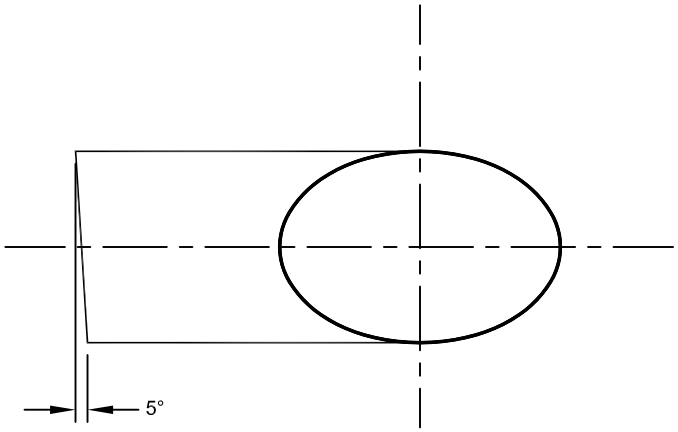
STANDARD FULL CIRCLE
VISOR



STANDARD ANGLE VISOR



DIRECTIONAL LOUVERS
PAINT: FLAT BLACK



VISORS (FOR 12" HEADS)

PAINT: FLAT BLACK ON INSIDE,
OUTSIDE PAINT COLOR SHALL
MATCH SIGNAL HOUSING.

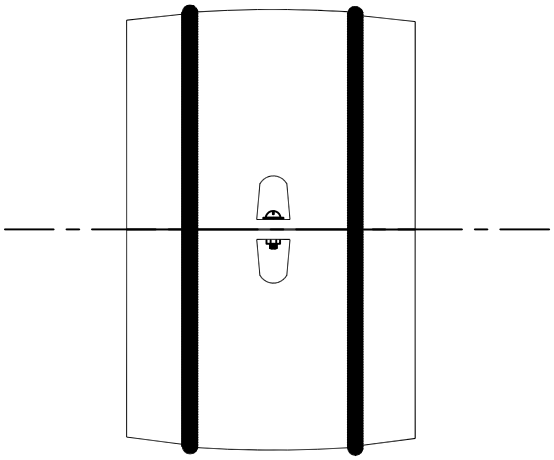
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

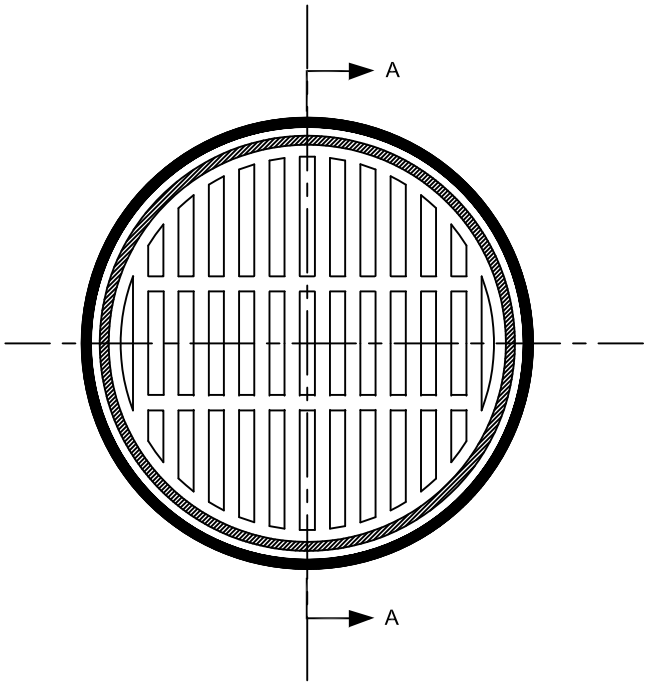
LOUVERS AND VISORS FOR 12" SIGNALS

DATE	DWG. NO. 404.1100	SHEET 2 OF 3

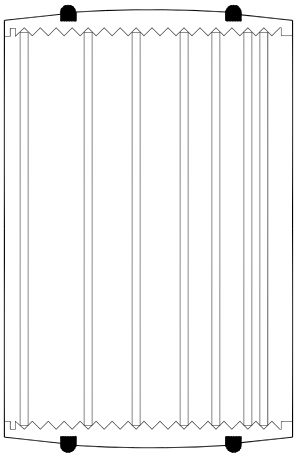
Effective 07/01/09 - 12/30/09



SIDE VIEW



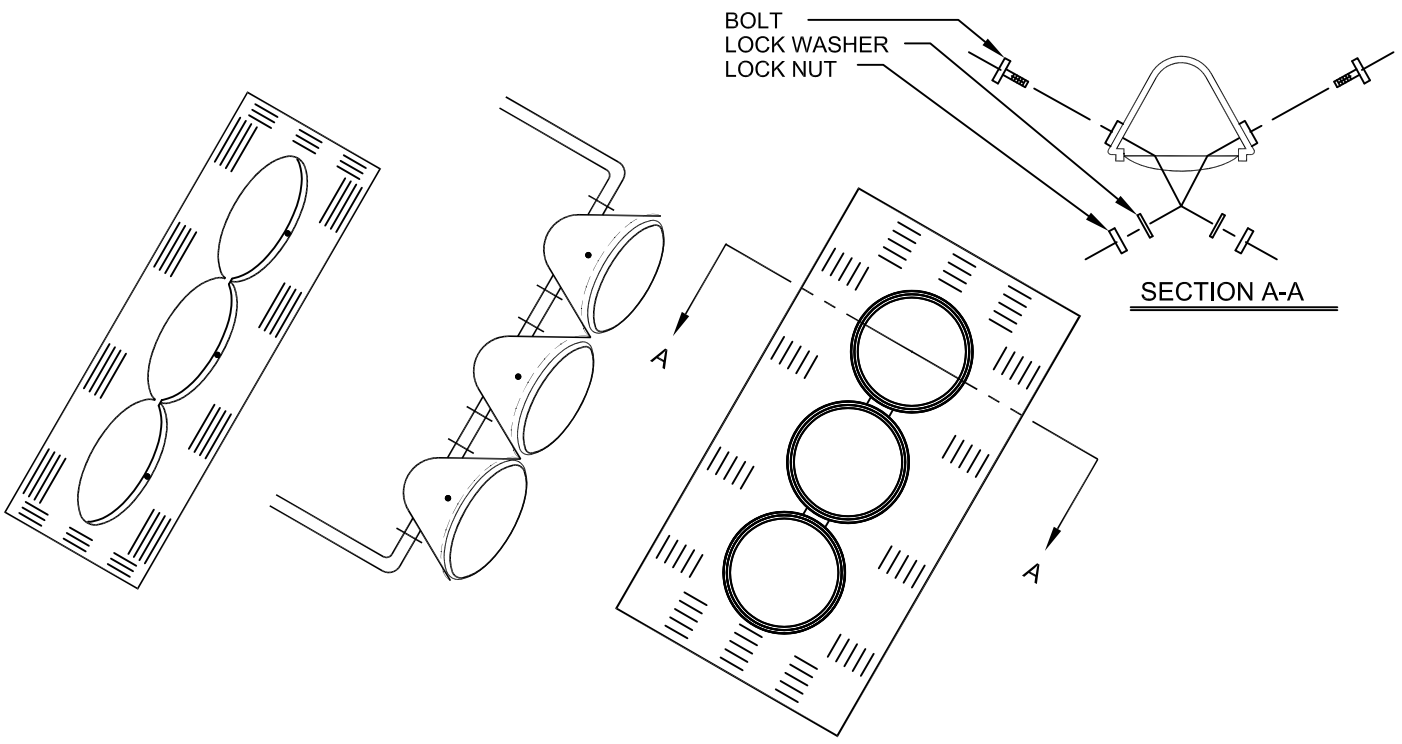
FRONT VIEW



SECTION A-A

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		GEOMETRICALLY PROGRAMMED LOUVER		
		DATE	DWG. NO. 404.1100	SHEET 3 OF 3

Effective 07/01/09 - 12/30/09

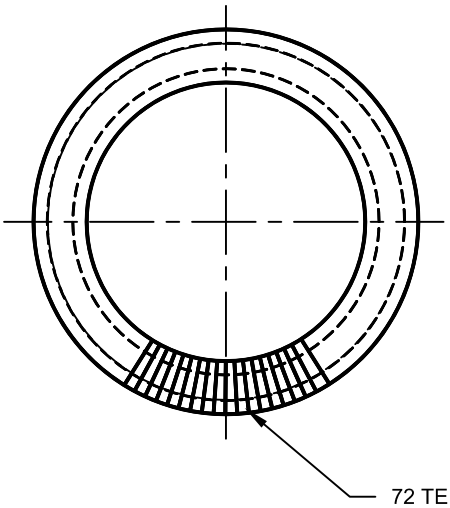


NOTE:

ALL BOLTS, NUTS AND WASHERS SHALL BE BRASS OR STAINLESS STEEL.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA			
		BACKPLATE AND SIGNAL HEAD ASSEMBLY			
		DATE 12-12-96	DWG. NO. 404.1101	SHEET	1 OF 1

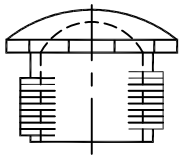
Effective 07/01/09 - 12/30/09

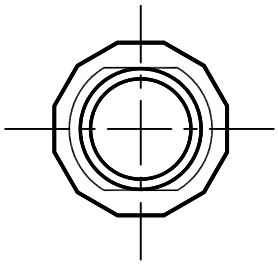


72 TEETH - 1/2"
HIGH ALL AROUND



LOCKING RING - 1/2 PIN
MATERIAL: BRONZE

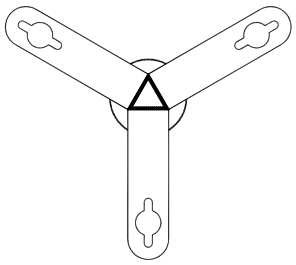




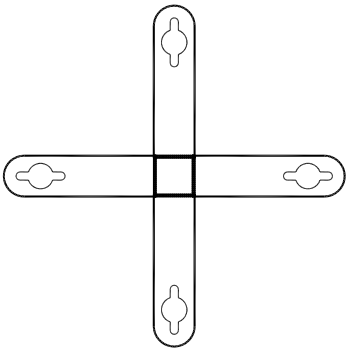
ORNAMENTAL CAP
DIE CAST ALUMINUM
PAINT COLOR SHALL MATCH
SIGNAL HOUSING



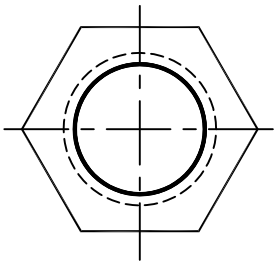
TIE BRACE, FERROUS, 2 WAY
PAINT COLOR SHALL MATCH
SIGNAL HOUSING

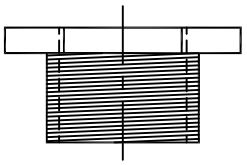


TIE BRACE, FERROUS, 3 WAY
PAINT COLOR SHALL MATCH
SIGNAL HOUSING



TIE BRACE, FERROUS, 4 WAY
PAINT COLOR SHALL MATCH
SIGNAL HOUSING

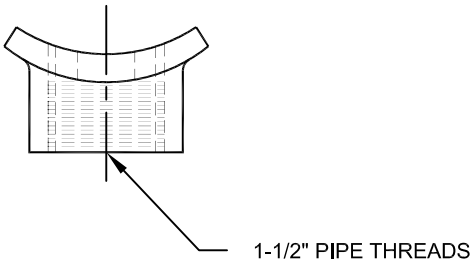




LOCKING NIPPLE

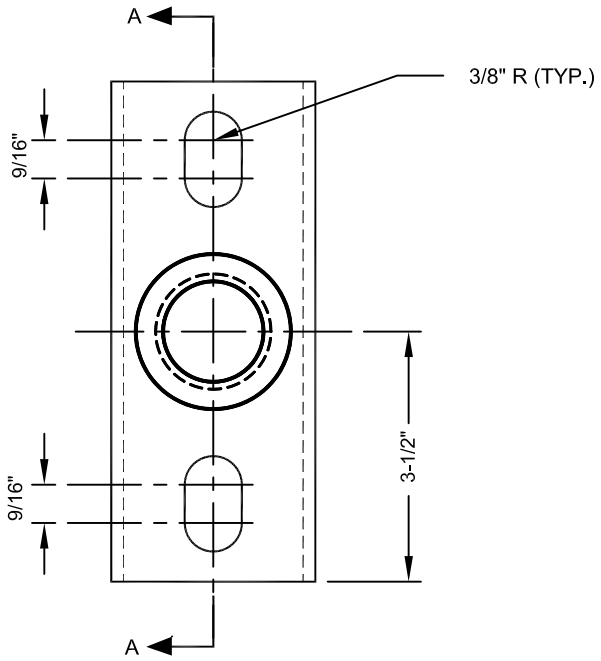
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		MISCELLANEOUS SIGNAL MOUNTING HARDWARE		
		DATE	DWG. NO. 404.1200	SHEET 1 OF 1

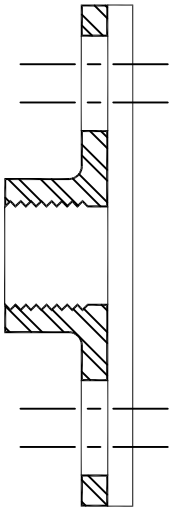
Effective 07/01/09 - 12/30/09



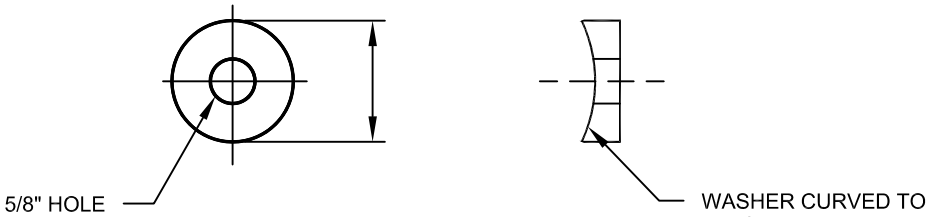
NOTES:

1. MATERIAL-BRONZE
2. PAINT COLOR SHALL MATCH SIGNAL HOUSING
3. PROVIDE WASHERS SHOWN AND 1/2" PLATED BOLTS, LENGTH FOR STEEL POLE MOUNTING.





SECTION A-A

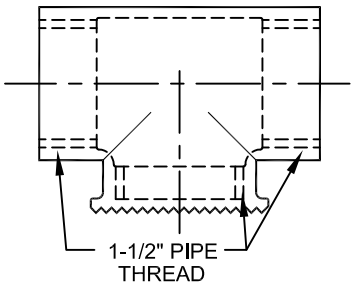


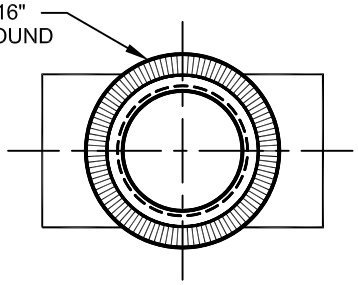
CURVED WASHER

NOTES: DO NOT PROVIDE UNLESS SPECIFIED ON THE PLANS.

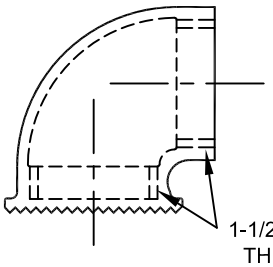
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		POLE PLATE DETAILS		
		DATE	DWG. NO. 404.1201	SHEET 1 OF 1

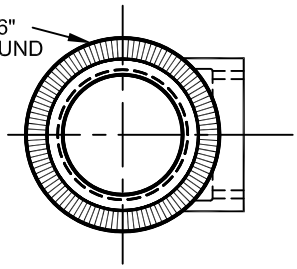
Effective 07/01/09 - 12/30/09



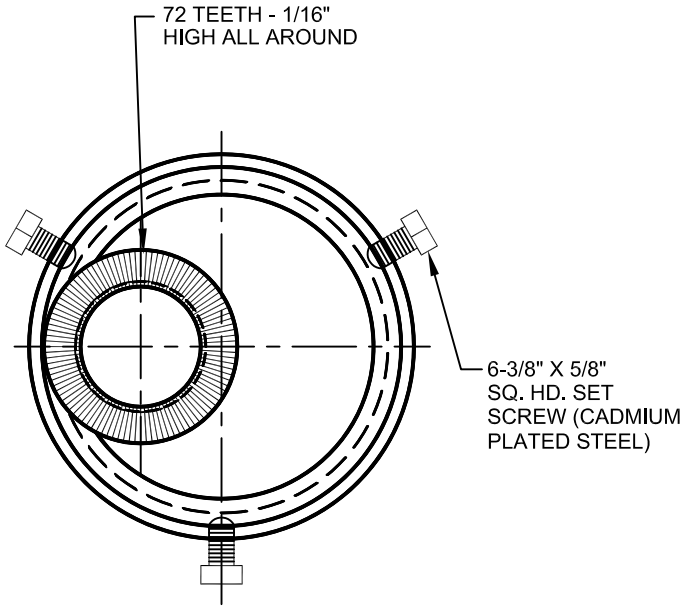


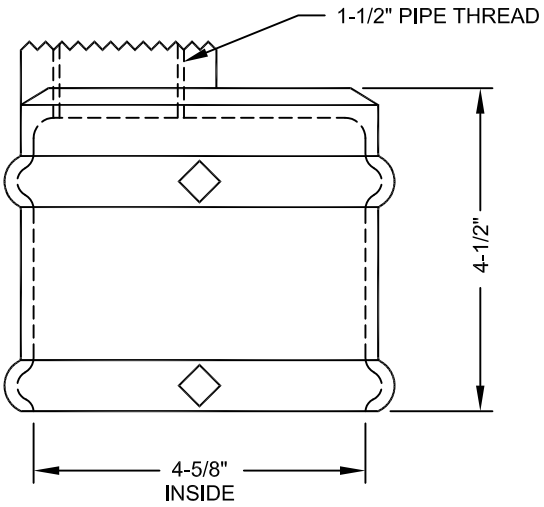
FERROUS SPECIAL TEE
PAINT COLOR SHALL MATCH
SIGNAL HOUSING





FERROUS SPECIAL ELBOW
PAINT COLOR SHALL MATCH
SIGNAL HOUSING





POST TOP MOUNTED BRACKET WITH
SERRATED OFFSET MOUNT.

(USE FOR ALL POST TOP MOUNTINGS
NOT REQUIRING SIDE PORTS)

MATERIAL: BRONZE
PAINT COLOR SHALL MATCH
SIGNAL HOUSING

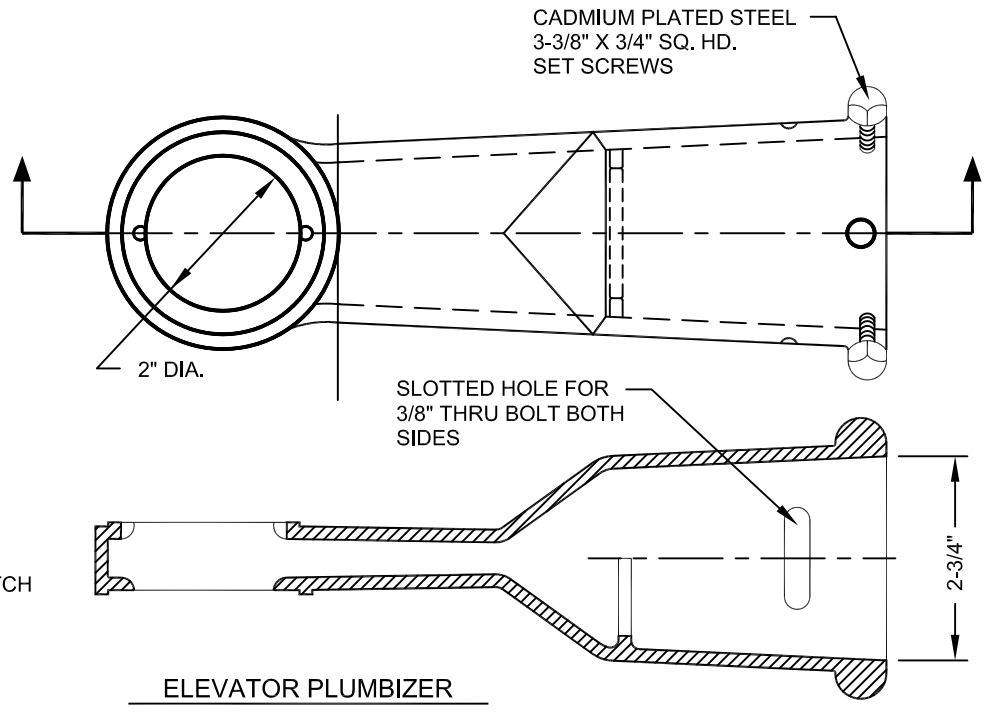
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

MISCELLANEOUS SIGNAL MOUNTING HARDWARE

DATE	DWG. NO. 404.1202	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



NOTES:

1. MATERIAL - BRONZE
2. PAINT COLOR SHALL MATCH SIGNAL HOUSING

ELEVATOR PLUMBIZER

SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

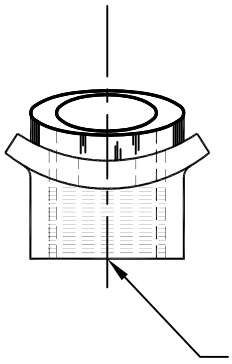
ELEVATOR PLUMBIZER

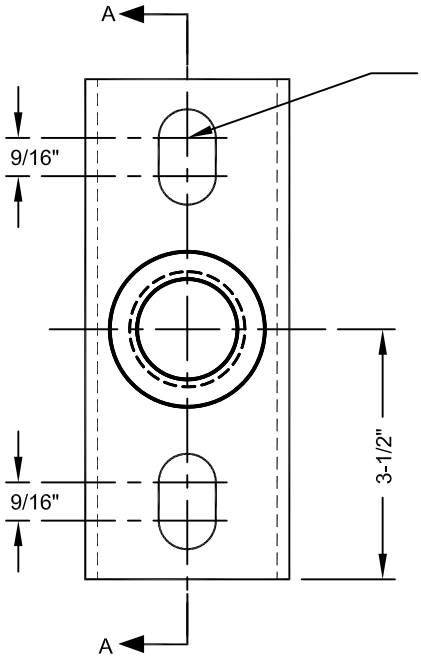
DATE	DWG. NO. 404.1203	SHEET 1 OF 1

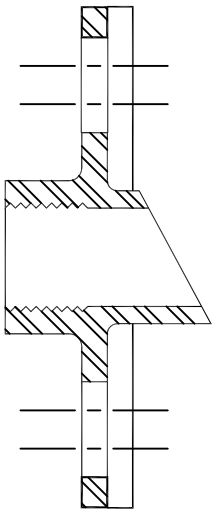
Effective 07/01/09 - 12/30/09

NOTES:

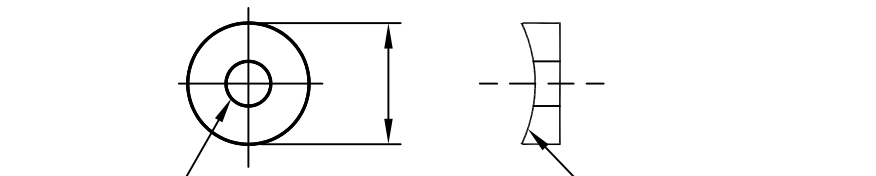
1. MATERIAL-BRONZE
2. PAINT COLOR SHALL MATCH SIGNAL HOUSING.
3. PROVIDE WASHERS SHOWN AND 1/2" PLATED BOLTS, LENGTH FOR STEEL POLE MOUNTING.







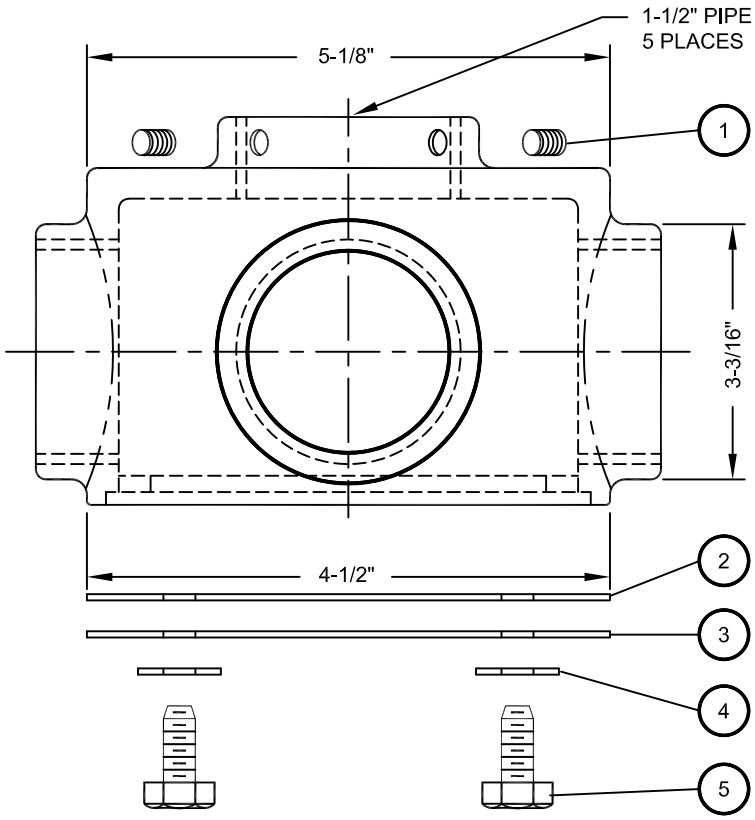
SECTION A-A



CURVED WASHER

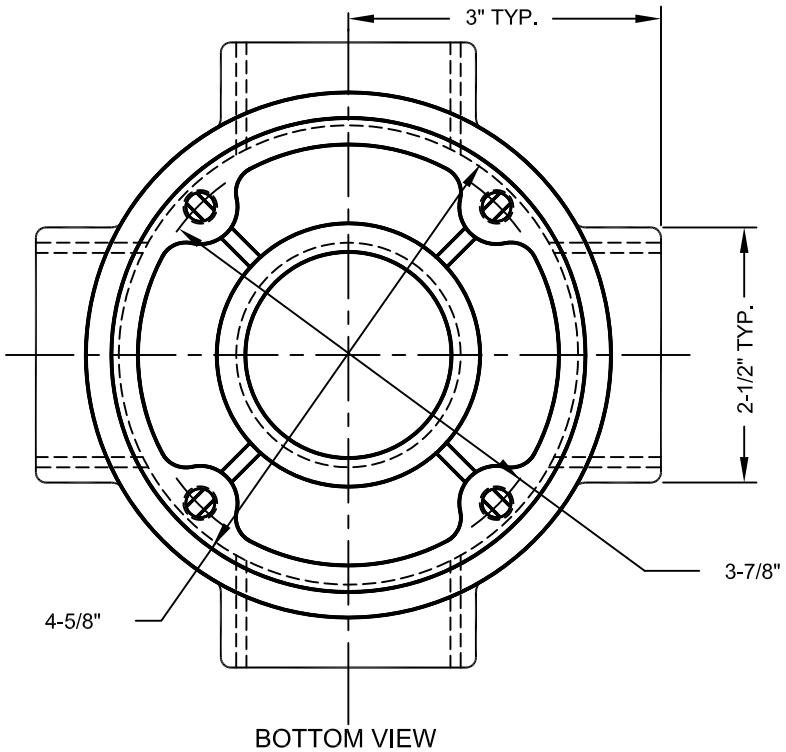
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		POLE PLATE WITH WIRE GUIDE DETAILS		
		DATE	DWG. NO. 404.1204	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



LIST OF MATERIALS

ITEM	QU.	DESCRIPTION
1.	2	1/4" - 20 UNC-2A X 3/8" SOCKET, CUP SET SCREW
2.	1	CORK GASKET TO MATCH COVER
3.	1	3/32" STEEL COVER WITH 2 BOLT HOLES OPPOSITE
4.	2	STANDARD LOCK WASHER
5.	5	3/8" - 16 UNC-2A X 1" BRASS HEX. HD CAP SCREW 2 REQ.



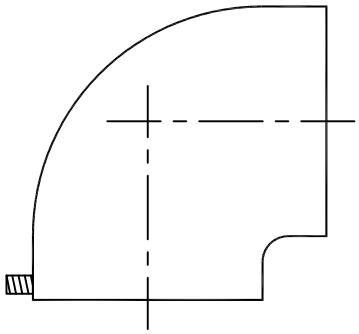
BOTTOM VIEW

NOTES:

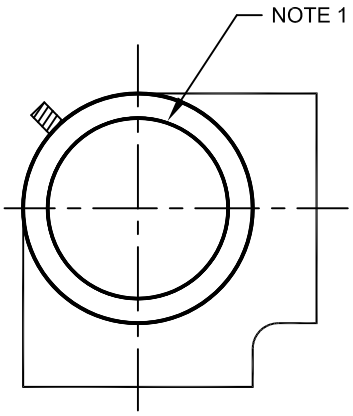
1. PAINT COLOR AND FINISHING SHALL MATCH SIGNAL HOUSING
2. MATERIAL: HIGH STRENGTH CAST ALUMINUM ALLOY

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		4 WAY CENTER HUB		
		DATE	DWG. NO. 404.1205	SHEET 1 OF 1

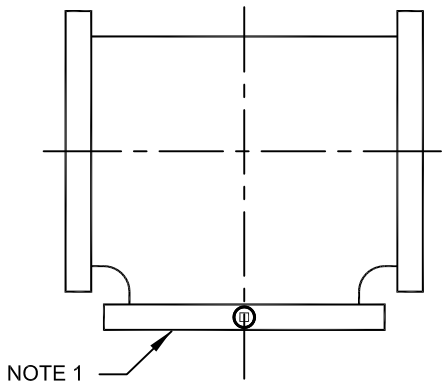
Effective 07/01/09 - 12/30/09



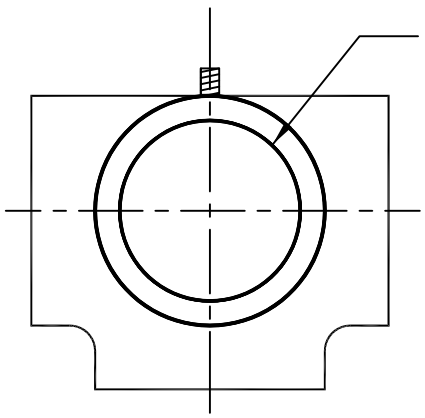
ELBOW



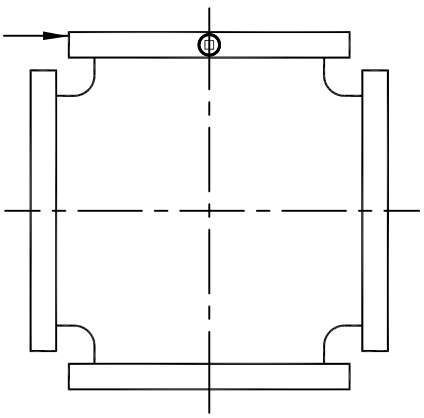
ELBOW WITH
SIDE OUTLET



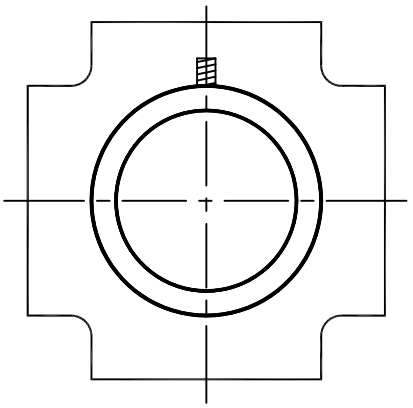
TEE



TEE WITH
SIDE OUTLET



CROSS



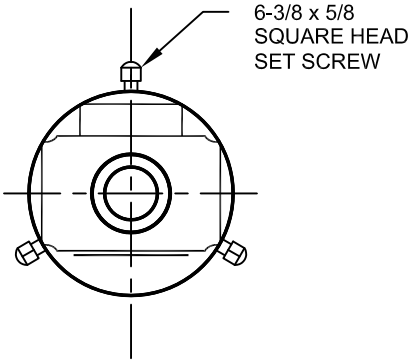
CROSS WITH
SIDE OUTLET

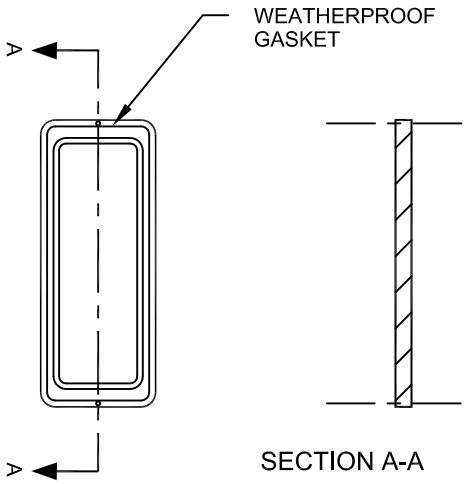
NOTES:

1. REAM FOR 1-1/2" IPS. PROVIDE SET SCREW.
2. ALL OTHER OPENINGS SHALL BE THREADED.
3. PAINT COLOR SHALL MATCH SIGNAL HOUSING.

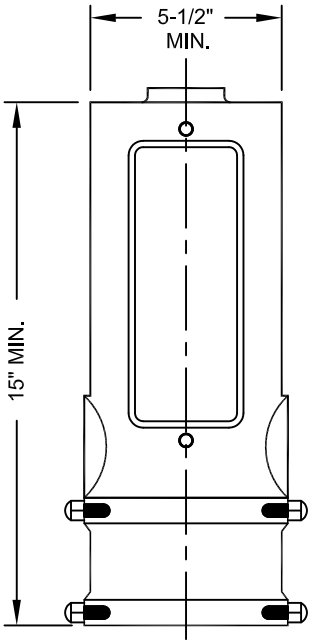
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		STANDARD MALLEABLE PIPE HARDWARE- 1-1/2" IPS		
		DATE	DWG. NO. 404.1206	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

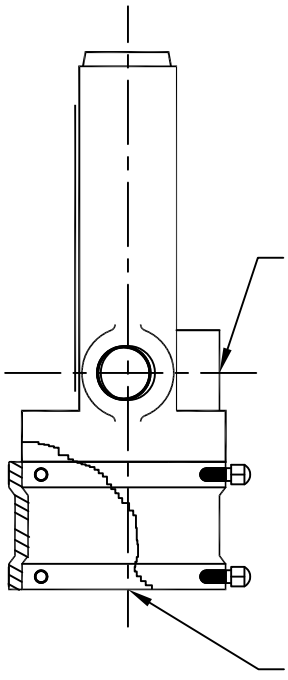




SECTION A-A



COVER PLATE

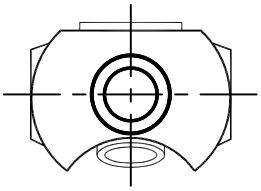


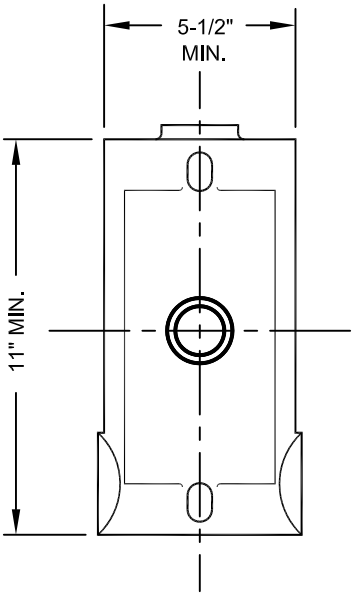
NOTES:

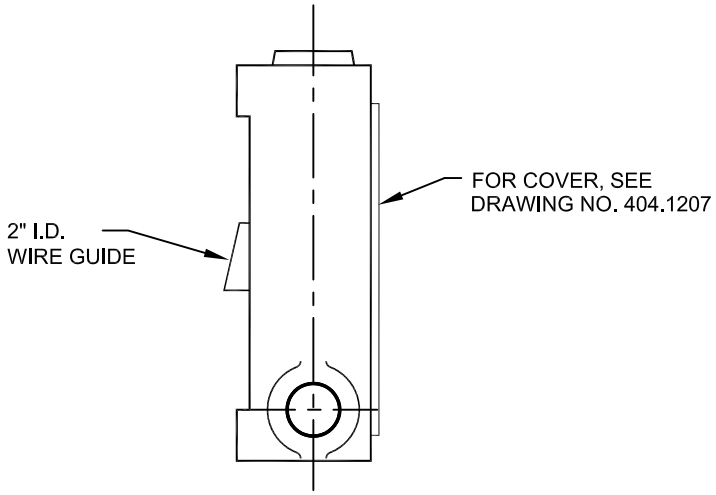
1. MATERIAL - ALUMINUM
2. PAINT COLOR SHALL MATCH SIGNAL HOUSING
3. PROVIDE 12 POSITION PRESSURE TYPE TERMINAL BLOCK MOUNTED INSIDE COMPARTMENT

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		POST TOP MOUNTED ADAPTER WITH TERMINAL COMPARTMENT		
		DATE	DWG. NO. 404.1207	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09







NOTES:

1. MATERIAL - ALUMINUM
2. PAINT COLOR SHALL MATCH SIGNAL HOUSING
3. PROVIDE 12 POSITION PRESSURE TYPE TERMINAL BLOCK MOUNTED INSIDE COMPARTMENT

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		SIDE BRACKET MOUNTED ADAPTER WITH WIRE GUIDE		
		DATE	DWG. NO. 404.1208	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

ONE WAY
MOUNT

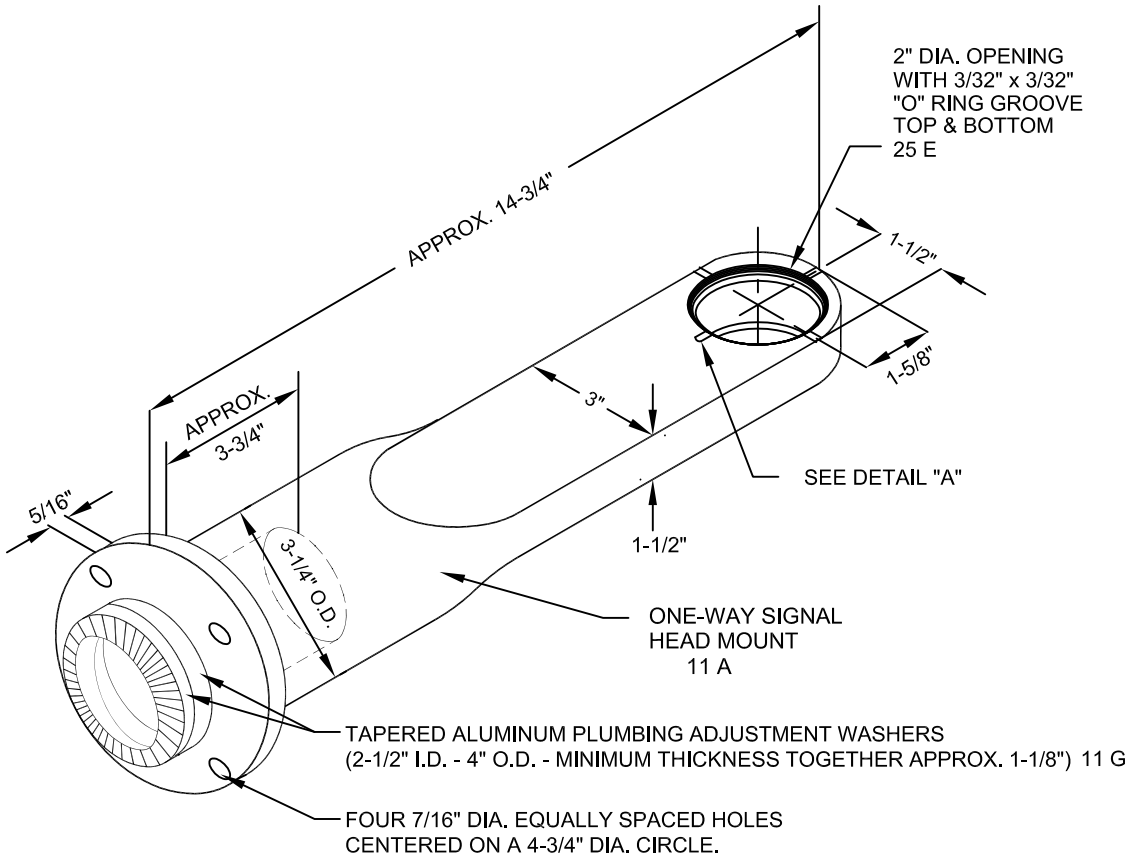
DATE

DWG. NO. 404.1210

SHEET 1 OF 1

NOTES:

1. THE DEVICES WILL BE CONSTRUCTED OR CAST IN ACCORDANCE WITH SPECIAL PATENTED DEVICES, MATERIALS, AND PROCESSES.
2. SIGNAL HEAD MOUNT AND FLANGE ADAPTER WILL BE OF HIGH STRENGTH CAST ALUMINUM.
3. SIGNAL HEAD MOUNT SHALL BE FASTENED TO FLANGE ADAPTER BY MEANS OF FOUR COMMON STRUCTURAL STEEL BOLTS PER SPEC. EACH WITH TWO FLAT WASHERS, LOCK WASHER AND NUT.
4. ALL BOLTS, NUTS, AND WASHERS REQUIRED SHALL BE AS REGULARLY SUPPLIED BY THE MANUFACTURER.
5. ONE-WAY MOUNT SHALL BE USED WHEN PLANS OR SPECIAL PROVISIONS CALL FOR ONE-WAY SIGNAL MOUNTED ON SIGNAL MAST ARM.
6. TWO-WAY MOUNT SHALL BE USED WHEN PLANS OR SPECIAL PROVISIONS CALL FOR TWO-WAY SIGNAL MOUNTED ON SIGNAL MAST ARM.
7. TWO SIGNAL INDICATIONS SHALL BE MOUNTED BELOW THE MOUNT AND ALL REMAINING SIGNAL INDICATIONS MOUNTED ABOVE.



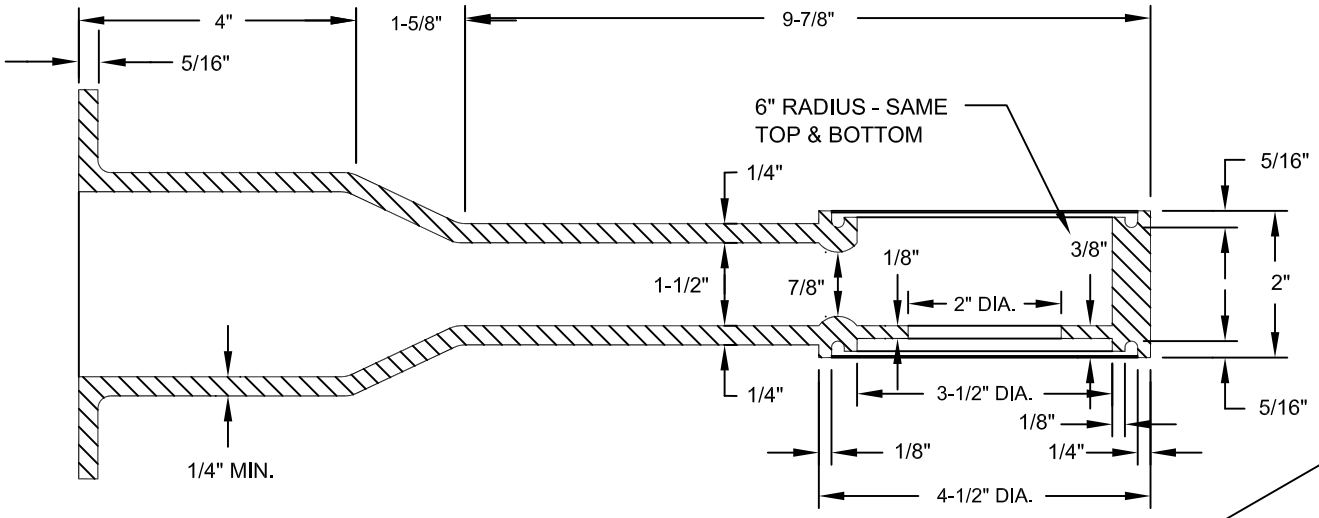
ONE-WAY MOUNT
32 A

SPECIFICATION REFERENCE

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

ONE WAY MOUNT FOR
3M SIGNALS

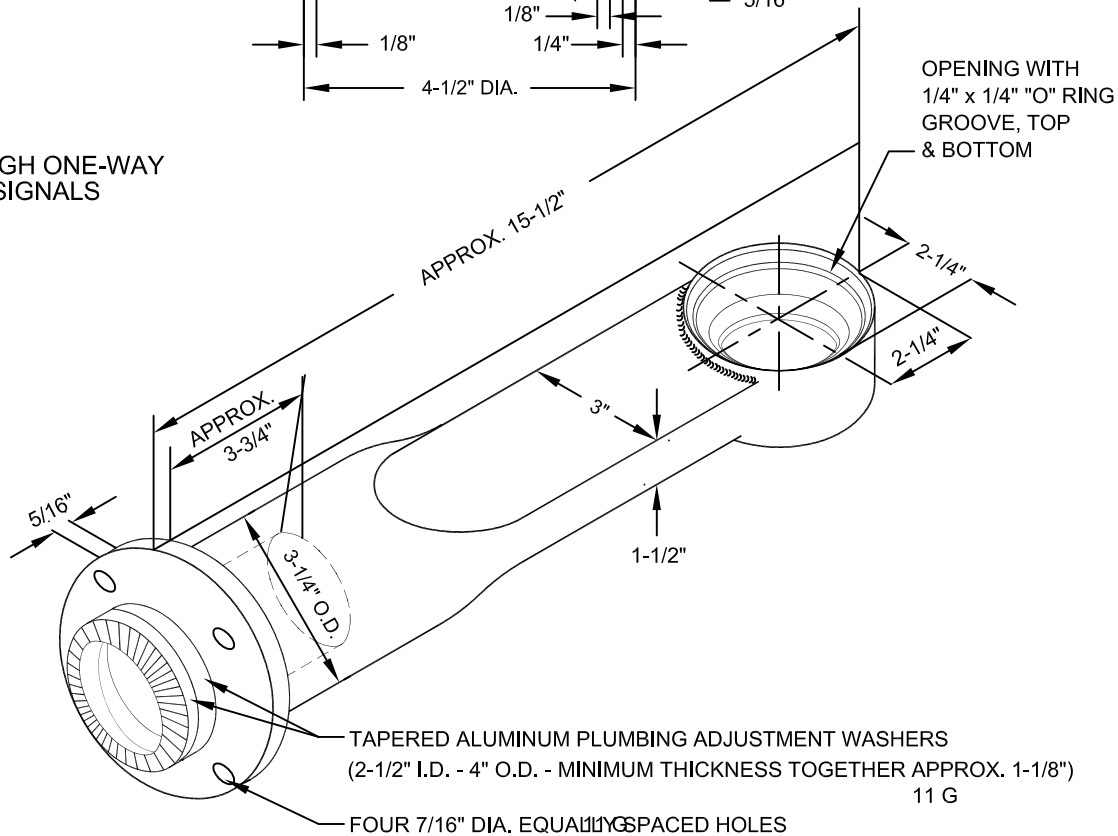
DATE	DWG. NO.	SHEET
	404.1211	1 OF 1



SECTION THROUGH ONE-WAY
MOUNT FOR 3M SIGNALS

NOTES:

1. THE DEVICES WILL BE CONSTRUCTED OR CAST IN ACCORDANCE WITH SPECIAL PATENTED DEVICES, MATERIALS, AND PROCESSES.
2. SIGNAL HEAD MOUNT AND FLANGE ADAPTER WILL BE OF HIGH STRENGTH CAST ALUMINUM.
3. SIGNAL HEAD MOUNT SHALL BE FASTENED TO FLANGE ADAPTER BY MEANS OF FOUR COMMON STRUCTURAL STEEL BOLTS PER SPEC. EACH WITH TWO FLAT WASHERS, LOCK WASHER AND NUT.
4. ALL BOLTS, NUTS, AND WASHERS REQUIRED SHALL BE AS REGULARLY SUPPLIED BY THE MANUFACTURER.
5. ONE-WAY MOUNT SHALL BE USED WHEN PLANS OR SPECIAL PROVISIONS CALL FOR ONE-WAY SIGNAL MOUNTED ON SIGNAL MAST ARM.
6. TWO-WAY MOUNT SHALL BE USED WHEN PLANS OR SPECIAL PROVISIONS CALL FOR TWO-WAY SIGNAL MOUNTED ON SIGNAL MAST ARM.
7. TWO SIGNAL INDICATIONS SHALL BE MOUNTED BELOW THE MOUNT AND ALL REMAINING SIGNAL INDICATIONS MOUNTED ABOVE.



ONE-WAY MOUNT FOR 3M SIGNALS
32 H

SPECIFICATION REFERENCE

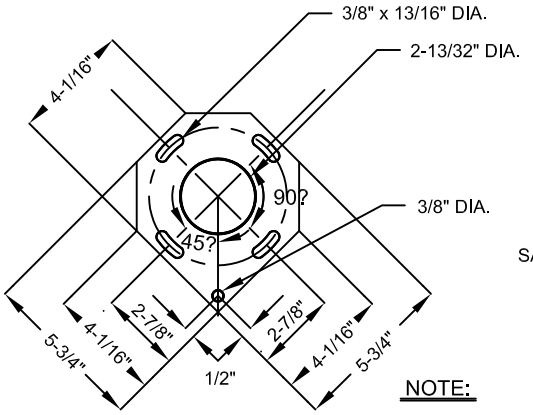
UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

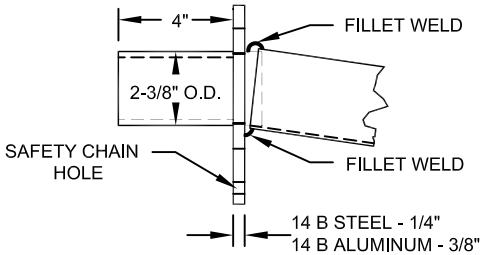
ONE WAY MOUNT
DETAIL

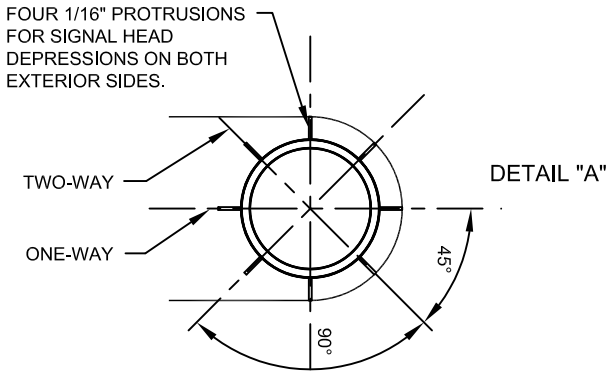
DATE

DWG. NO. 404.1212

SHEET 1 OF 1



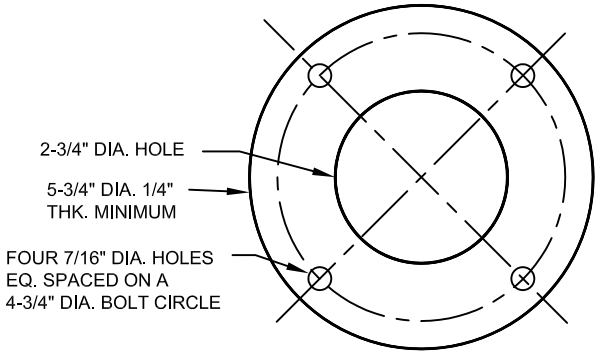




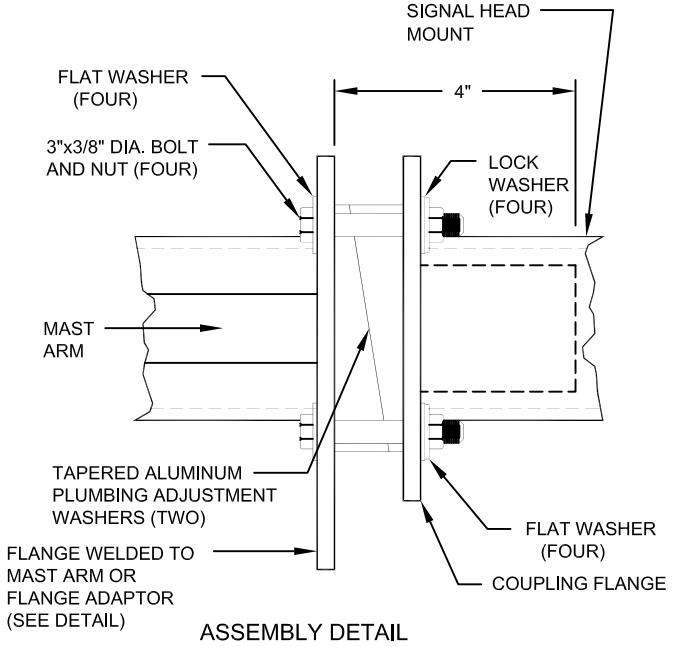
NOTE:

FLANGE TO BE WELDED TO MAST ARM SLIPFITTER 4" FROM THE END.

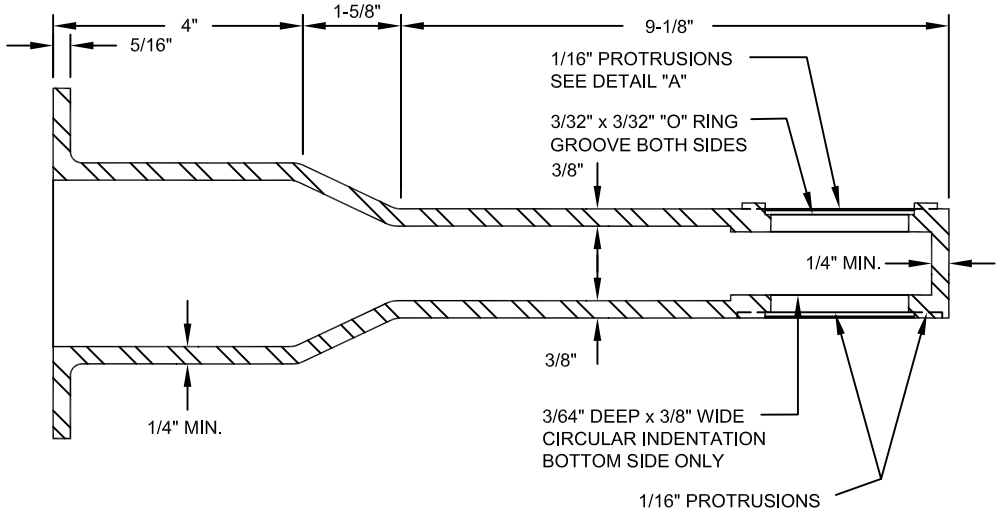
FLANGE DETAIL
2" WELDED TYPE ADAPTER



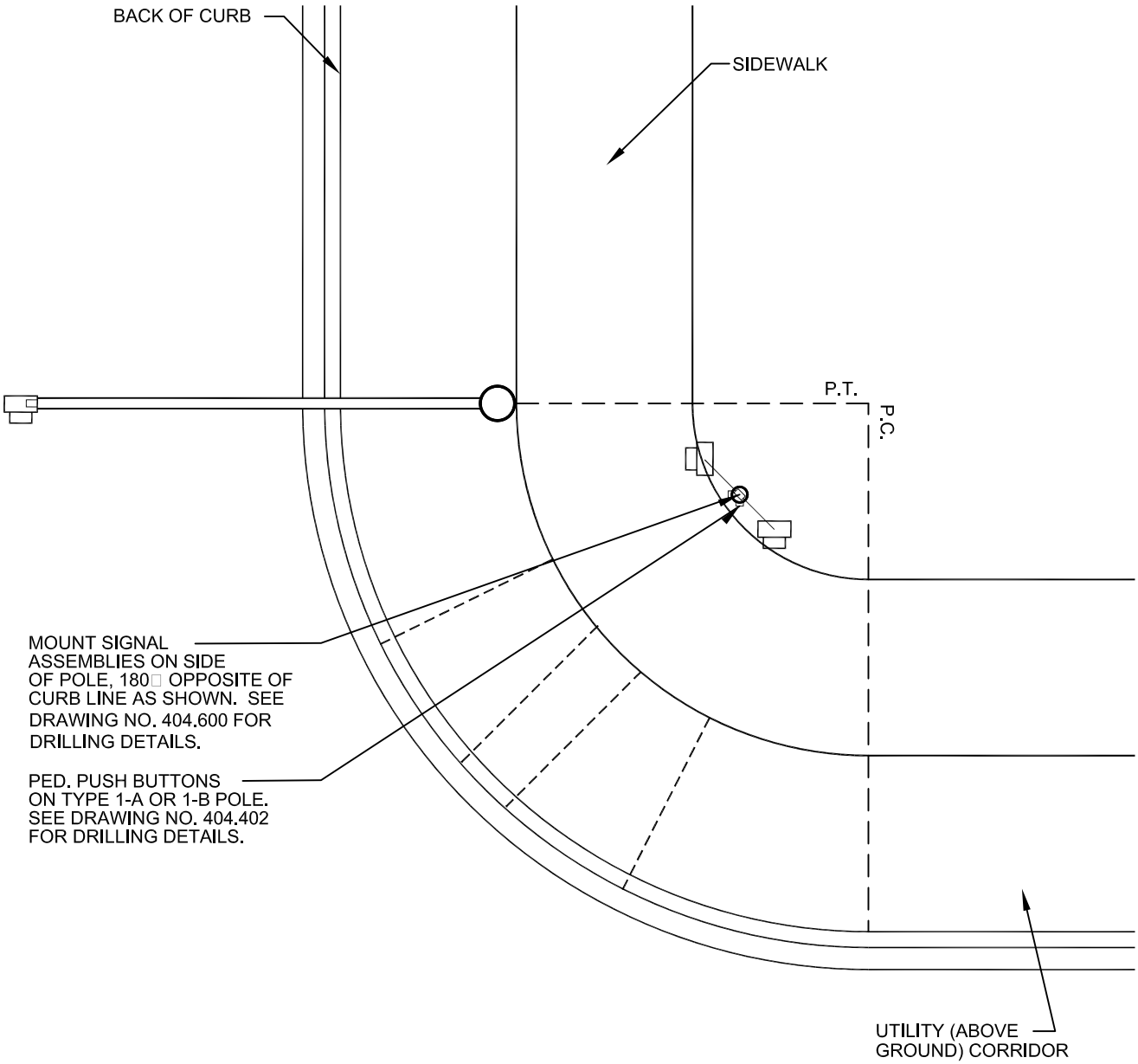
FLANGE DETAIL
2" CLAMP
TYPE ADAPTER



ASSEMBLY DETAIL



SECTION THROUGH ONE-WAY MOUNT

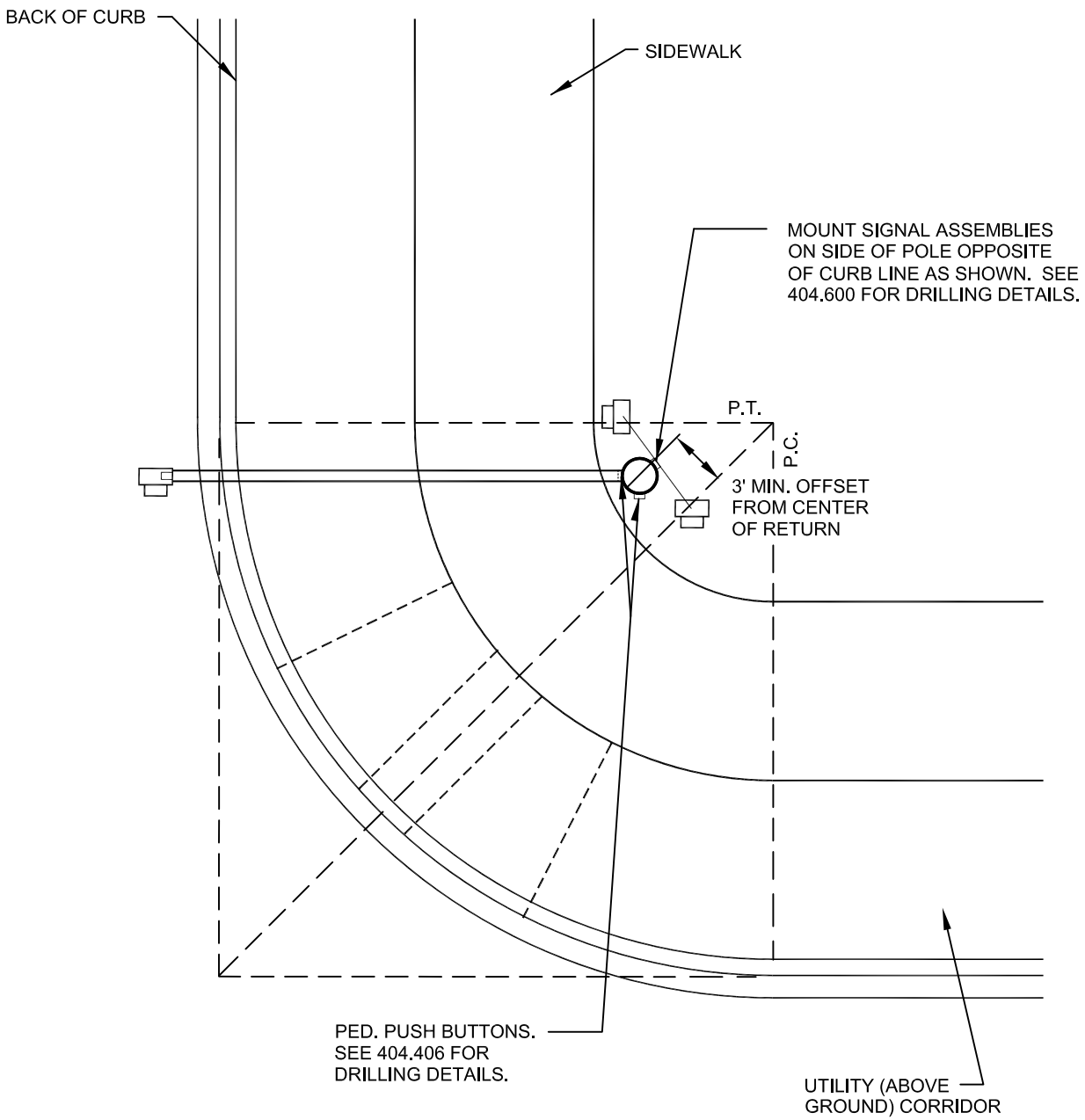


NOTE:

1. ALTERNATE LOCATIONS FOR THE POLES MAY BE APPROVED BY THE AGENCY'S TRAFFIC ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		POLE LOCATION & SIGNAL MOUNTING AT INTERSECTION (TWO POLE) OFFSET SIDEWALK		
		DATE 7-10-03	DWG. NO. 404.1300 ALT	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09

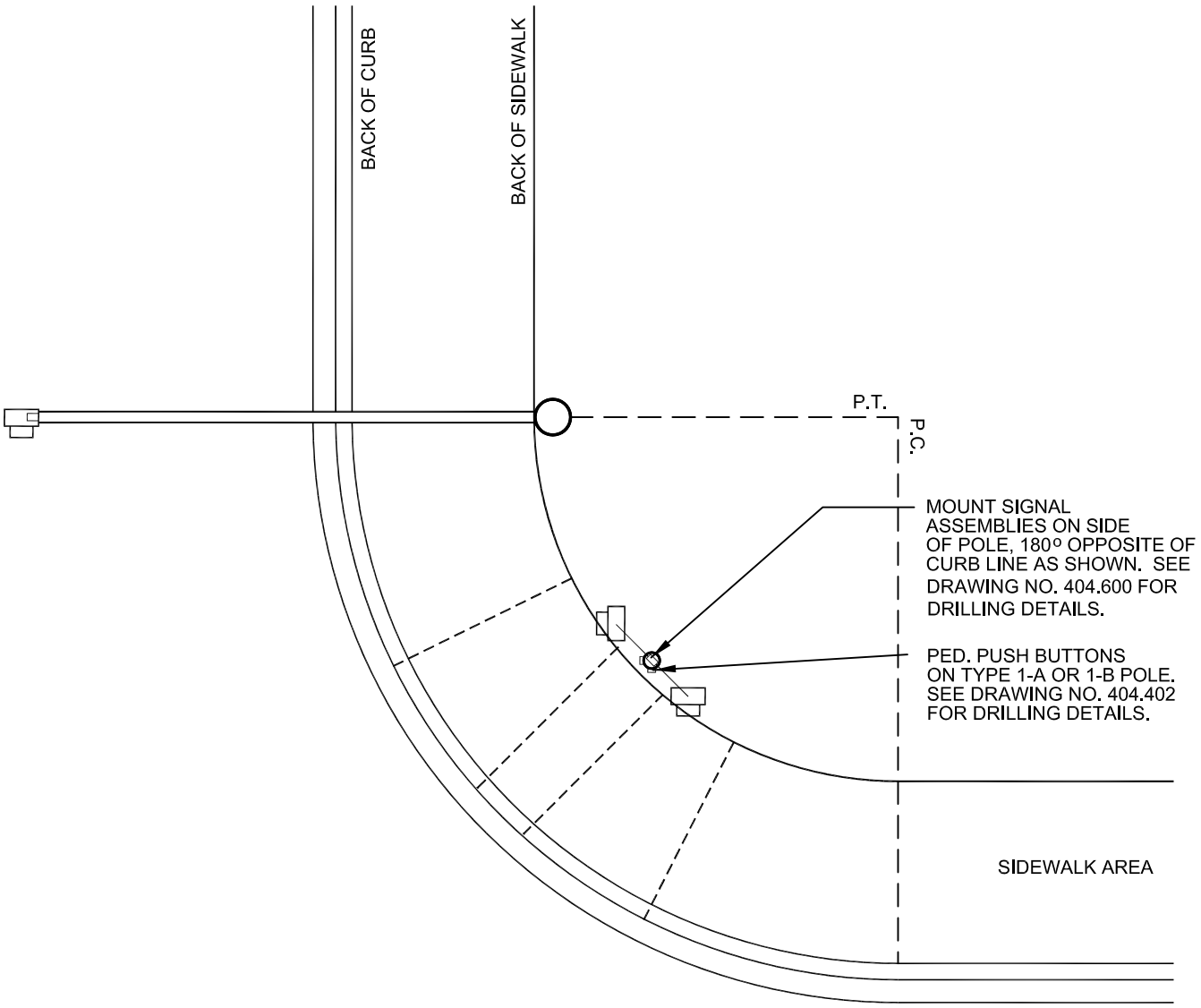


NOTE:

1. ALTERNATE LOCATIONS FOR THE SIGNAL POLE MAY BE APPROVED BY THE AGENCY'S TRAFFIC ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		POLE LOCATION & SIGNAL MOUNTING AT INTERSECTION (SINGLE POLE) OFFSET SIDEWALK		
		DATE 7-10-03	DWG. NO. 404.1300 ALT	SHEET 2 OF 2

Effective 07/01/09 - 12/30/09

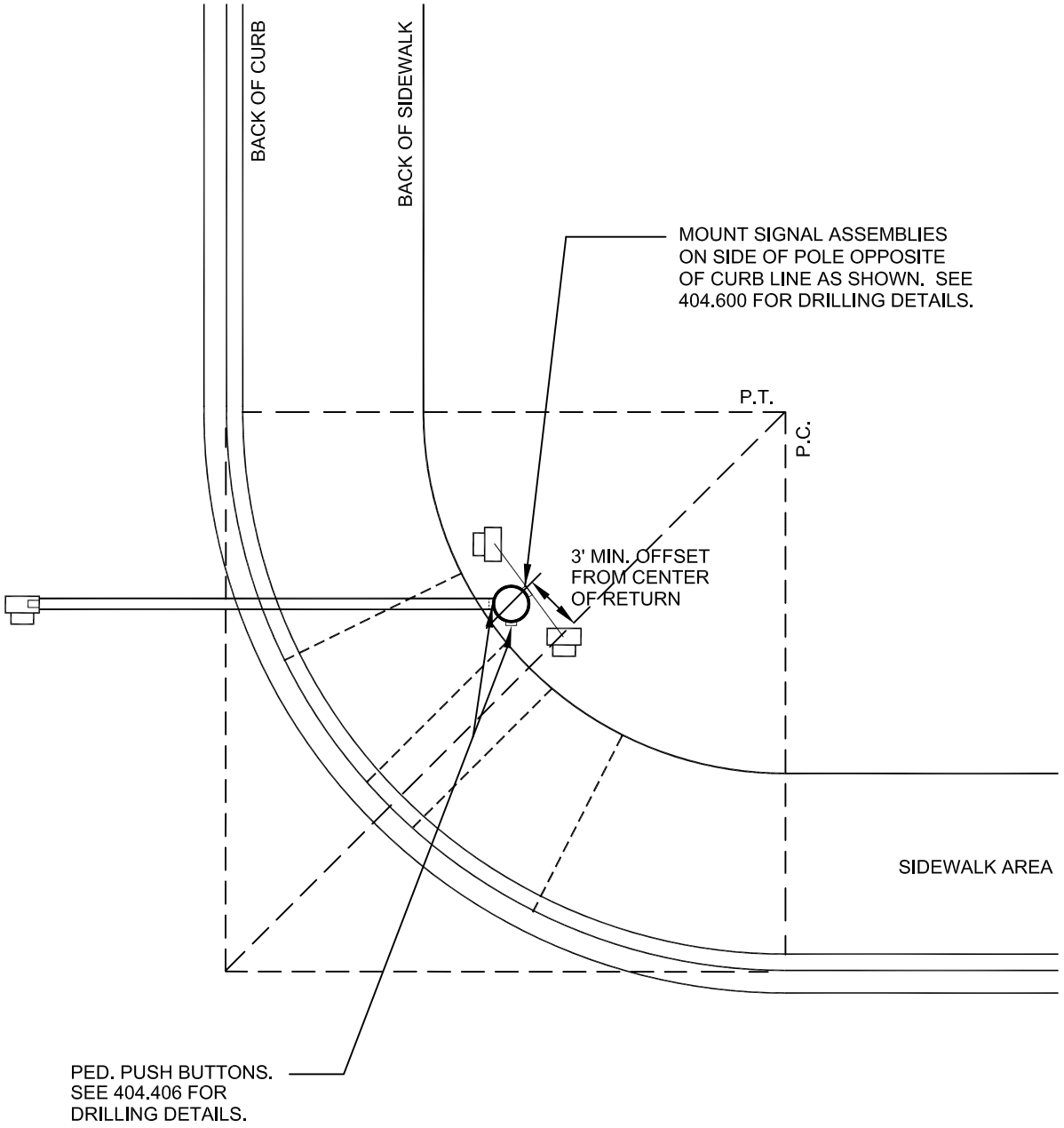


NOTE:

1. ALTERNATE LOCATIONS FOR THE POLES MAY BE APPROVED BY THE AGENCY'S TRAFFIC ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		POLE LOCATION & SIGNAL MOUNTING AT INTERSECTION (TWO POLE) CURBSIDE SIDEWALK		
		DATE 7-10-03	DWG. NO. 404.1300	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09

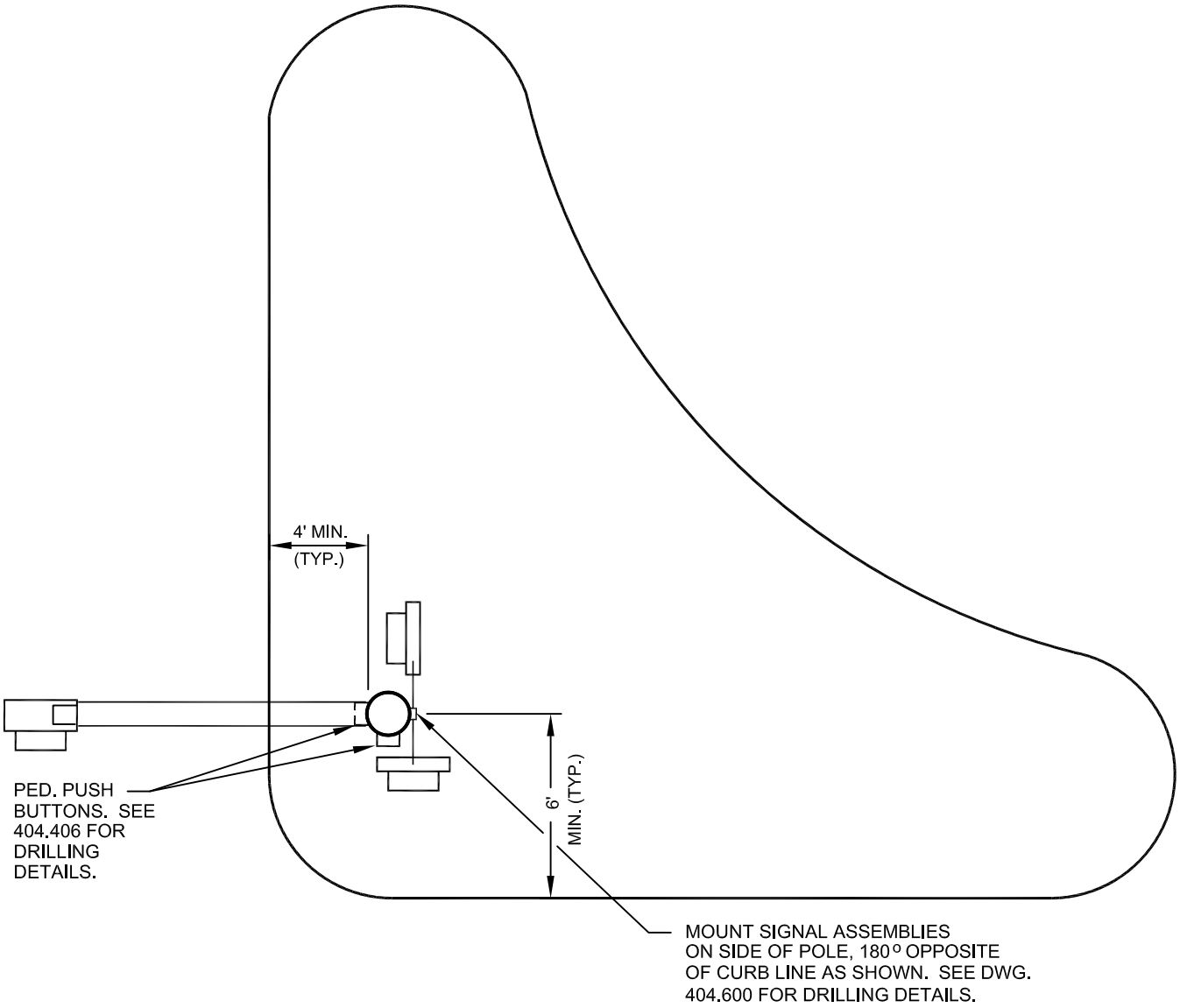


NOTE:

1. ALTERNATE LOCATIONS FOR THE SIGNAL POLE MAY BE APPROVED BY THE AGENCY'S TRAFFIC ENGINEER.

SPECIFICATION REFERENCE	UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
	POLE LOCATION & SIGNAL MOUNTING AT INTERSECTION (SINGLE POLE) CURBSIDE SIDEWALK		
	DATE 7-10-03	DWG. NO. 404.1300	SHEET 2 OF 2

Effective 07/01/09 - 12/30/09

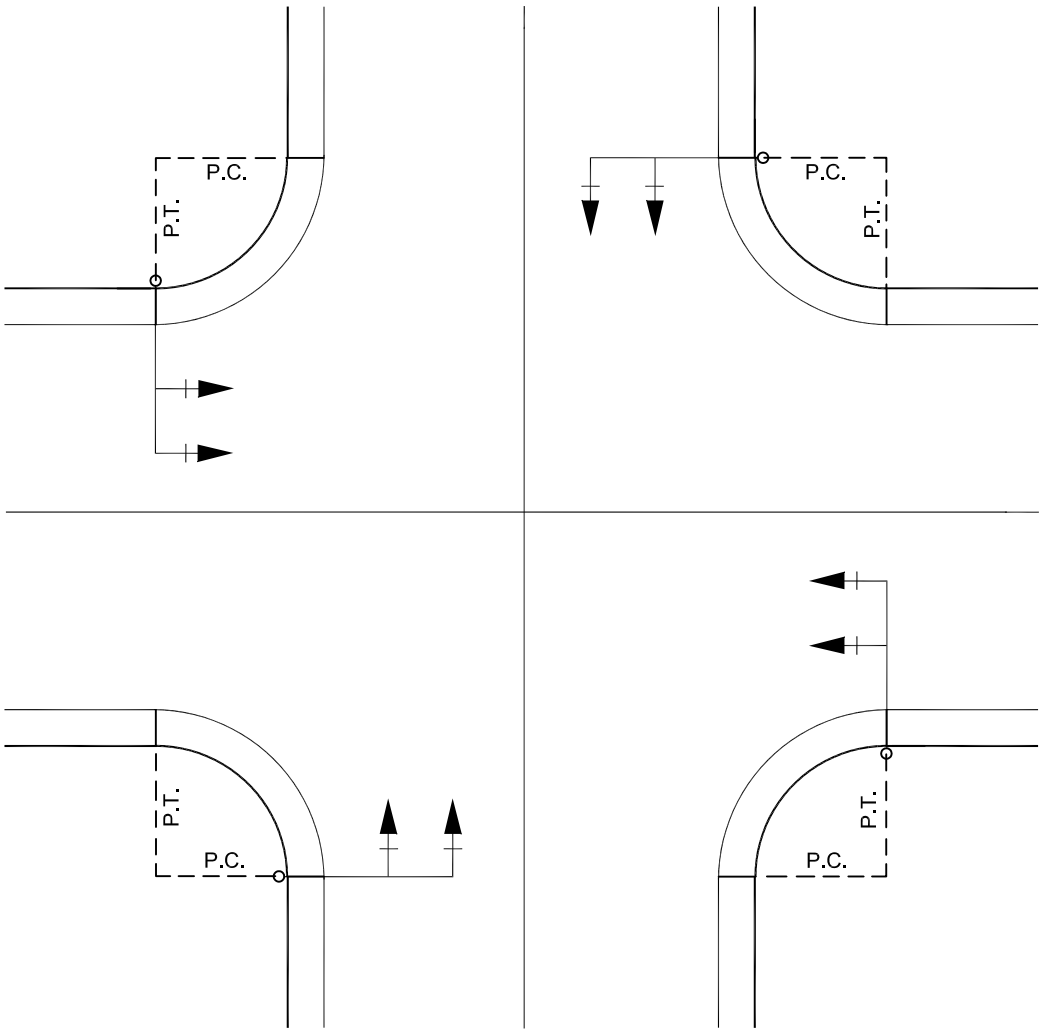


NOTE:

SIDEWALK RAMPS IN ACCORDANCE WITH DRAWING NO. 235 SHALL BE CONSTRUCTED. HANDICAPPED ACCESS MUST BE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		POLE LOCATION AND SIGNALS MOUNTING ON RIGHT TURN ISLANDS		
		DATE 12-12-96	DWG. NO. 404.1301	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

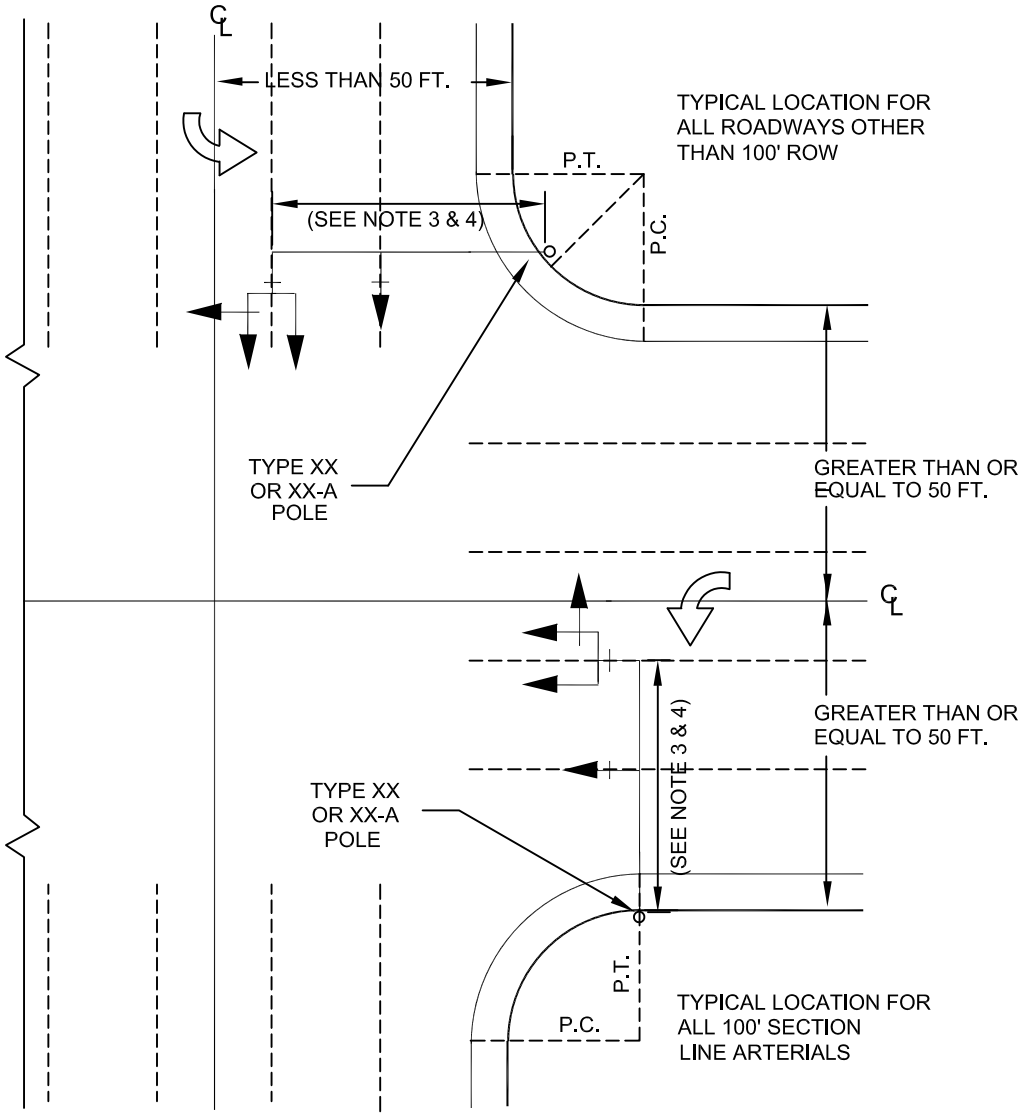


NOTE:

1. SEE PLANS FOR FOUNDATION TYPE.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		FUTURE POLE LOCATION CASE I (EXCEPT CITY OF LAS VEGAS)		
		DATE 12-12-96	DWG. NO. 404.1302	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09

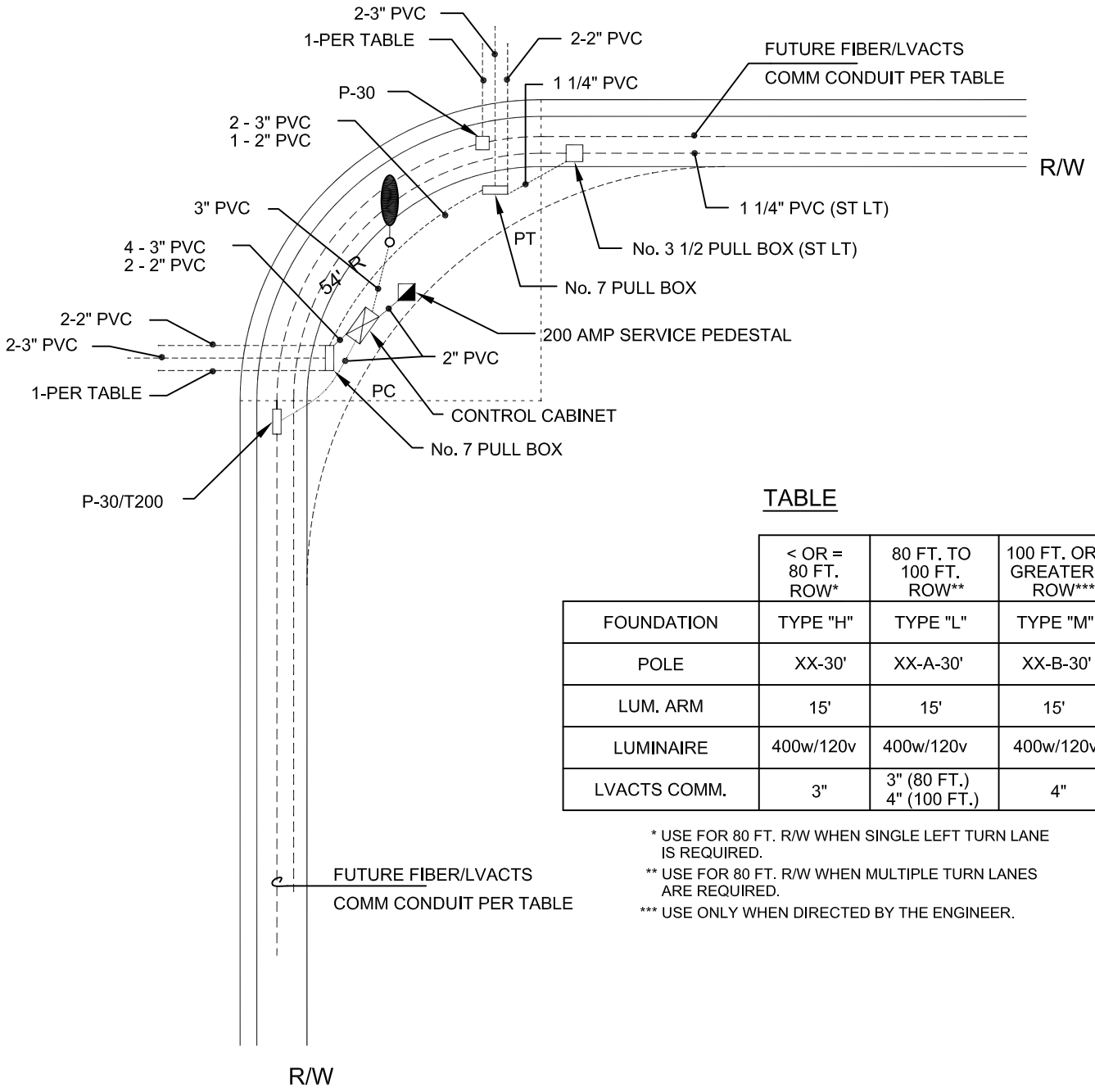


NOTES:

1. FOUNDATIONS WILL BE 36" SQUARE OR ROUND AND 12 FT. DEEP. THE AREA SHALL REMAIN ACCESSIBLE FOR THESE FOUNDATIONS.
2. TRAFFIC SIGNAL POLES SHALL REMAIN AT THE MIDDLE OF THE RETURN BEHIND THE SIDEWALK SO THAT THE OUTSIDE SIGNAL HEAD IS DIRECTLY ABOVE THE LEFT TURN LANE.
3. A TYPE "H" OR "L" FOUNDATION IS REQUIRED FOR MAST ARMS 45' OR LESS. SEE DRAWING NO. 404.208.
4. A TYPE "L" FOUNDATION IS REQUIRED FOR MAST ARMS LONGER THAN 45'. SEE DRAWING NO. 404.209.
5. A MINIMUM OF 32" SHALL BE MAINTAINED BETWEEN TRAFFIC SIGNAL POLE FOUNDATION "CRASH CAP" AND THE BACK OF THE CURB FOR WHEELCHAIR CLEARANCE.
6. THE TRAFFIC ENGINEER WILL MAKE THE FINAL DETERMINATION FOR THE LOCATION OF TRAFFIC SIGNAL POLES.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		FUTURE POLE LOCATION CASE II		
		DATE 12-12-96	DWG. NO. 404.1302	SHEET 2 OF 2

Effective 07/01/09 - 12/30/09



TABLE

	< OR = 80 FT. ROW*	80 FT. TO 100 FT. ROW**	100 FT. OR GREATER ROW***
FOUNDATION	TYPE "H"	TYPE "L"	TYPE "M"
POLE	XX-30'	XX-A-30'	XX-B-30'
LUM. ARM	15'	15'	15'
LUMINAIRE	400w/120v	400w/120v	400w/120v
LVACTS COMM.	3"	3" (80 FT.) 4" (100 FT.)	4"

* USE FOR 80 FT. R/W WHEN SINGLE LEFT TURN LANE IS REQUIRED.

** USE FOR 80 FT. R/W WHEN MULTIPLE TURN LANES ARE REQUIRED.

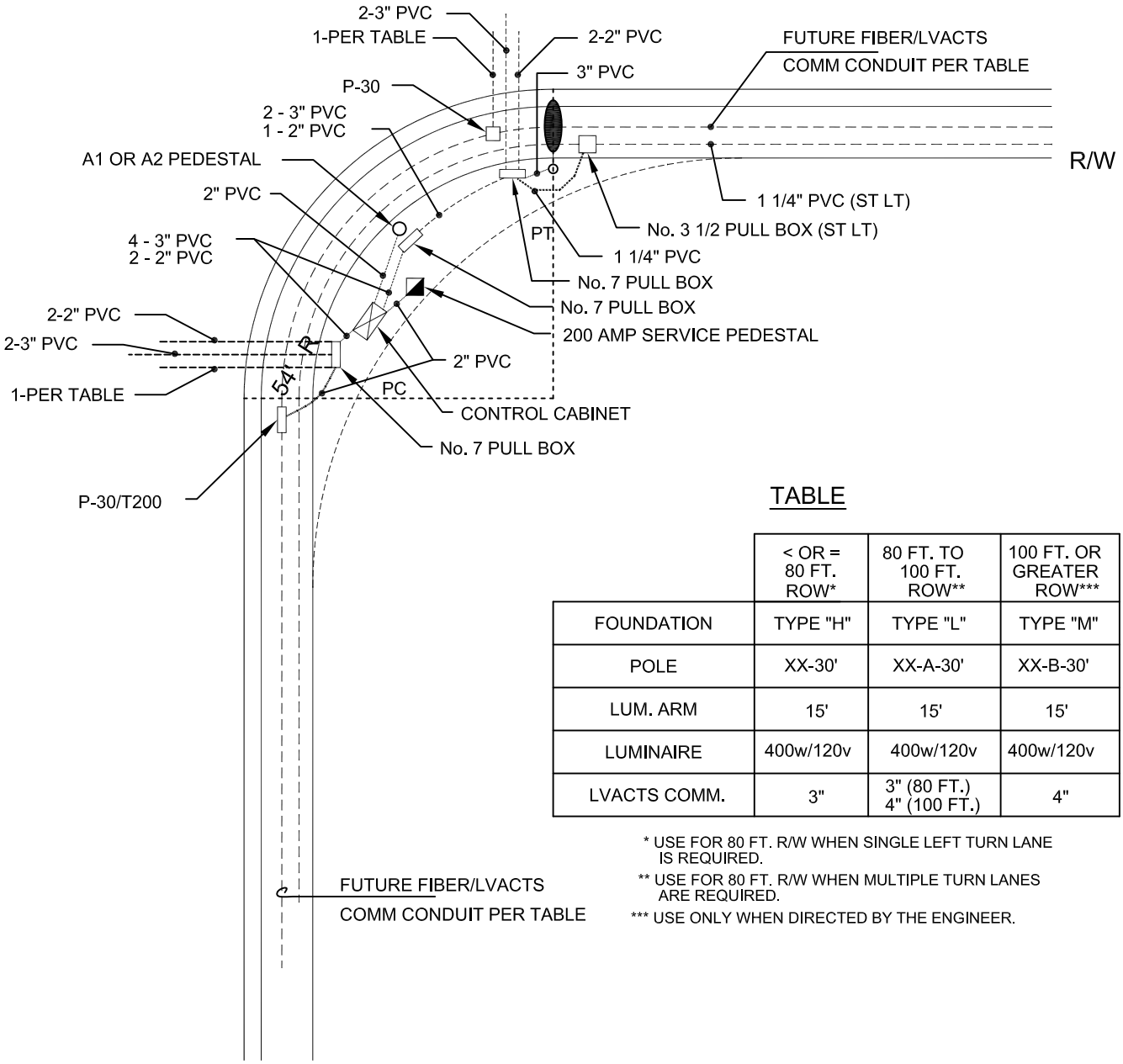
*** USE ONLY WHEN DIRECTED BY THE ENGINEER.

NOTES:

1. ALL TRAFFIC SIGNAL POLES SHALL BE GALVANIZED PER ASTM A.123.
2. ELECTRIC UTILITY TO SHOW FEEDER TO SERVICE PEDESTAL.
3. FOR POLE, POLE FOUNDATION, SERVICE PEDESTAL AND SERVICE PEDESTAL FOUNDATION DETAILS, SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS.
4. EXTEND THE 2-2" PVC, THE 2-3" AND THE 1-PER TABLE PVC SCHEDULE 40, 5 FEET PAST EDGE OF PAVEMENT STUB AND CAP OR CONNECT TO THE EXISTING TRAFFIC SIGNAL CONDUIT.
5. ALL EMPTY CONDUIT WILL CONTAIN A SINGLE No. 8 AWG THW OR BARE COPPER WIRE FOR THE PURPOSE OF LOCATING THE CONDUIT.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TYPICAL TRAFFIC SIGNAL UNDERGROUND LAYOUT WITH INTERIM STREET LIGHTING AND SERVICE PEDESTAL (CENTER OF CURVE RADIUS)		
		DATE 3-13-03	DWG. NO. 404.1306	SHEET 1 OF 2

Effective 07/01/09 - 12/30/09



TABLE

	< OR = 80 FT. ROW*	80 FT. TO 100 FT. ROW**	100 FT. OR GREATER ROW***
FOUNDATION	TYPE "H"	TYPE "L"	TYPE "M"
POLE	XX-30'	XX-A-30'	XX-B-30'
LUM. ARM	15'	15'	15'
LUMINAIRE	400w/120v	400w/120v	400w/120v
LVACTS COMM.	3"	3" (80 FT.) 4" (100 FT.)	4"

* USE FOR 80 FT. R/W WHEN SINGLE LEFT TURN LANE IS REQUIRED.

** USE FOR 80 FT. R/W WHEN MULTIPLE TURN LANES ARE REQUIRED.

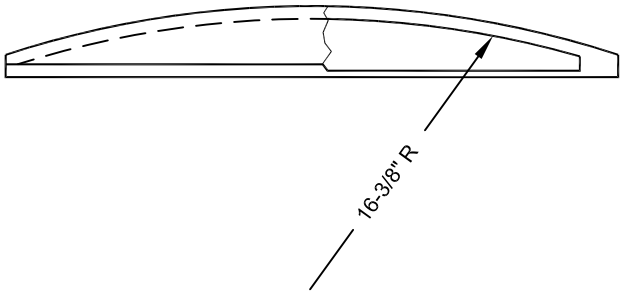
*** USE ONLY WHEN DIRECTED BY THE ENGINEER.

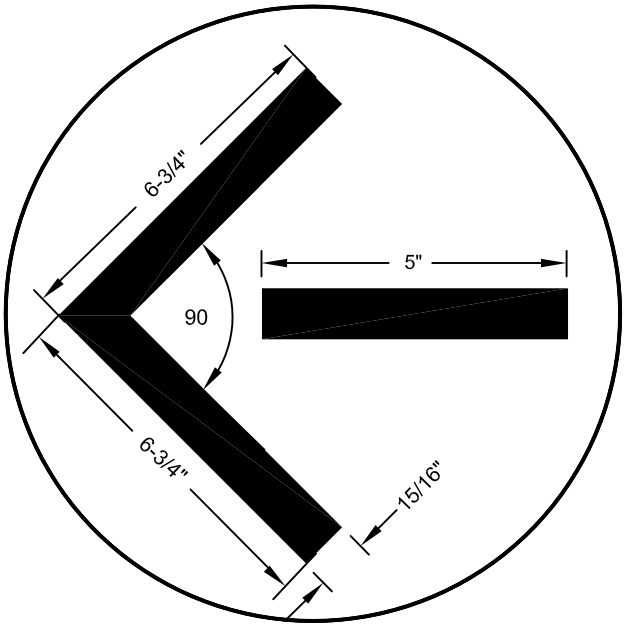
NOTES:

1. ALL TRAFFIC SIGNAL POLES SHALL BE GALVANIZED PER ASTM A.123.
2. ELECTRIC UTILITY TO SHOW FEEDER TO SERVICE PEDESTAL.
3. FOR POLE, POLE FOUNDATION, SERVICE PEDESTAL AND SERVICE PEDESTAL FOUNDATION DETAILS, SEE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS.
4. EXTEND THE 2-2" PVC, THE 2-3" AND THE 1-PER TABLE PVC SCHEDULE 40, 5 FEET PAST EDGE OF PAVEMENT STUB AND CAP OR CONNECT TO THE EXISTING TRAFFIC SIGNAL CONDUIT.
5. ALL EMPTY CONDUIT WILL CONTAIN A SINGLE No. 8 AWG THW OR BARE COPPER WIRE FOR THE PURPOSE OF LOCATING THE CONDUIT.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		TYPICAL TRAFFIC SIGNAL UNDERGROUND LAYOUT WITH INTERIM STREET LIGHTING AND SERVICE PEDESTAL (END OF CURVE RADIUS)		
		DATE 3-13-03	DWG. NO. 404.1306	SHEET 2 OF 2

Effective 07/01/09 - 12/30/09



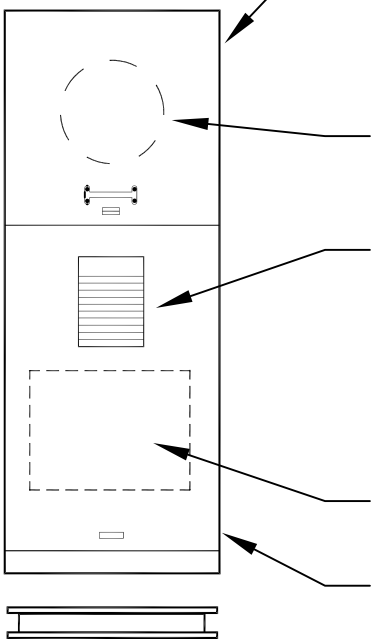


SPECIFICATIONS:

THE ARROW LENS SHALL BE GLASS AND CONFORM TO THE SPECIFICATIONS AS SET FORTH IN TECHNICAL REPORT NO. 1, REVISED 1966, BY THE INSTITUTE OF TRAFFIC ENGINEERS AND APPROVED AS A STANDARD BY THE UNITED STATES OF AMERICA STANDARD INSTITUTE. ANY FUTURE REVISIONS ACCEPTABLE AND ADOPTED BY THE U.S.A.S.I. SHALL AUTOMATICALLY BE PART OF THIS DRAWING SPECIFICATION.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		12" ARROW LENS		
		DATE	DWG. NO. 404.1410	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



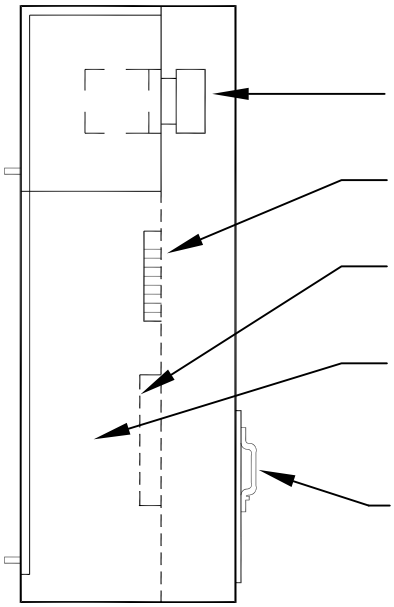
SERVICE PEDESTAL ENCLOSURE, 12 GA. SHEET METAL BODY AND EQUIPMENT MOUNTING PANEL, 14 GA. FRONT COVER(S) AND 16 GA. MIN. FOR ALL OTHER PANELS. ALL SHEET METAL SHALL BE FINISHED WITH ZINC CHROMATE PRIMER AND GREEN BAKED ENAMEL OR POWDER COAT FINISH. METERING SECTION PER P.U.E.S.E.R. STANDARDS.

UTILITY METER SECTION, 100, 125 OR 200 AMP AS NEEDED, 120/240 VOLT, 1 PHASE, 3 WIRE. THE SECTION SHALL HAVE A HINGED COVER WITH PADLOCK TAB.

CIRCUIT BREAKER DISTRIBUTION SECTION, 100, 125 OR 200 AMP AS NEEDED, 120/240 VOLT, 1 PHASE, 3 WIRE. THE SECTION SHALL BE COMPLETE WITH SEPARATE DEAD FRONT, COPPER BUSSING, SPACE FOR A MINIMUM OF TEN FULL SIZE (1") GE TYPE PLUG-IN CIRCUIT BREAKERS (EXCLUDING MAIN BREAKER), COPPER NEUTRAL/GROUNDING BUS AND MAIN BREAKER AS SPECIFIED BY THE ENGINEER. THE SECTION SHALL BE FACTORY WIRED TO THE METER SECTION WITH THE APPROPRIATE SIZE COPPER CONDUCTORS.

EQUIPMENT MOUNTING PANEL, 10" H X 12" W MIN., OPEN OR ENCLOSED, FOR LIGHTING CONTACTORS AS NEEDED.

DISTRIBUTION AND EQUIPMENT SECTION COVER WITH PADLOCK TAB.



UTILITY METER SECTION

CIRCUIT BREAKER DISTRIBUTION SECTION

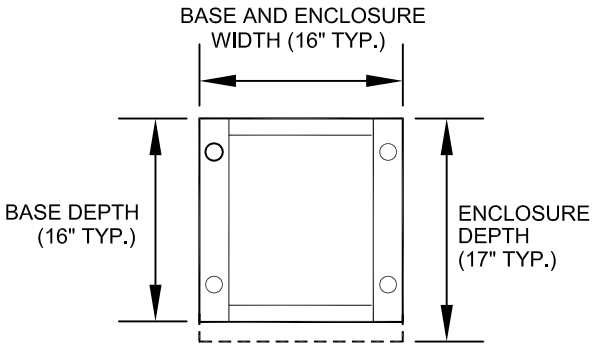
EQUIPMENT MOUNTING PANEL

UTILITY SERVICE ENTRANCE CONDUCTOR PULL SPACE PER SERVING UTILITY REQUIREMENTS.

PULL SPACE ACCESS DOOR WITH HANDLE, PER SERVING UTILITY



SEPARATE PEDESTAL ENCLOSURE MOUNTING BASE.



TYPICAL MOUNTING BASE DETAIL

(DIMENSIONS MAY VARY DEPENDING ON MANUFACTURER)

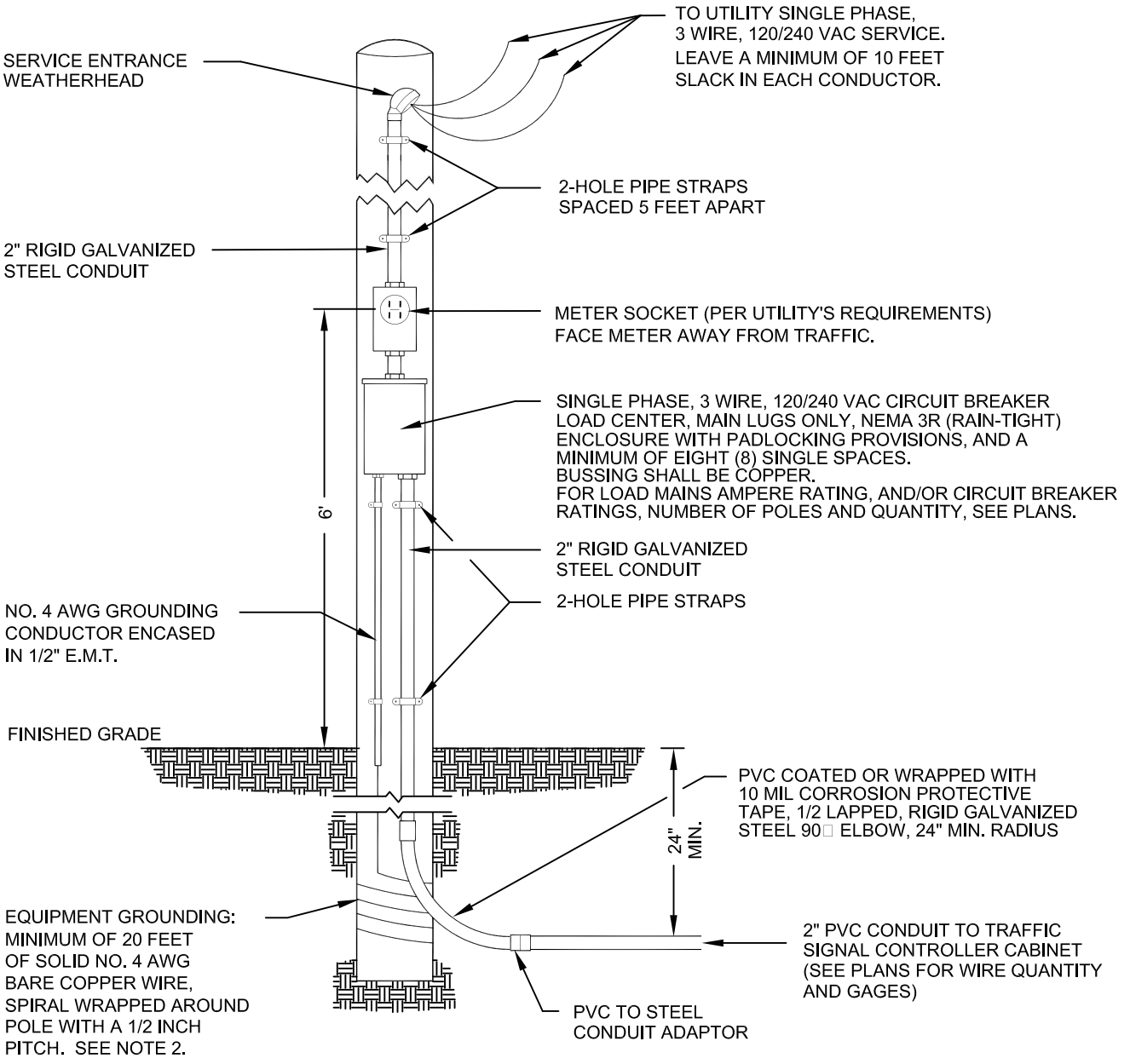
SPECIFICATION REFERENCE	
506	STEEL STRUCTURES
623	TRAFFIC SIGNALS & STREETLIGHTING

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

SINGLE METER SERVICE PEDESTAL

DATE 12-12-96	DWG. NO. 404.1412	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



NOTES:

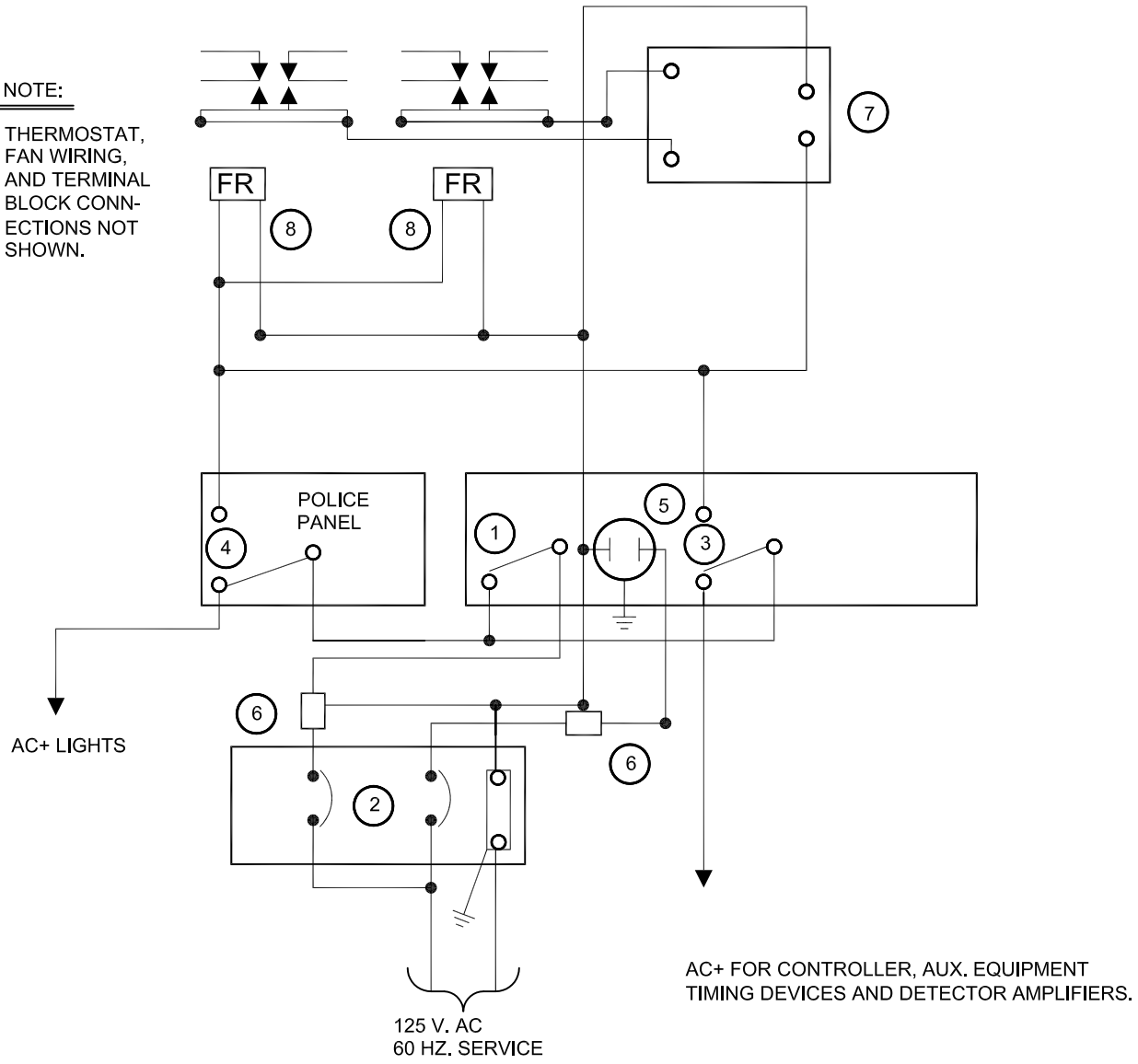
1. ALL WIRES TO BE COPPER; SEE PLANS FOR QUANTITY AND GAGES.
2. WITH ENGINEER'S APPROVAL, AN 8 FT. BY 5/8 IN. COPPER-CLAD GROUNDING ROD MAY BE USED.
3. ALL CONDUIT FITTINGS TO BE WATER-TIGHT.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		120/240 VAC SERVICE ON WOOD POLE OVERHEAD SERVICE		
		DATE 12-12-96	DWG. NO. 404.1413	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

NOTE:

THERMOSTAT, FAN WIRING, AND TERMINAL BLOCK CONN-ECTIONS NOT SHOWN.

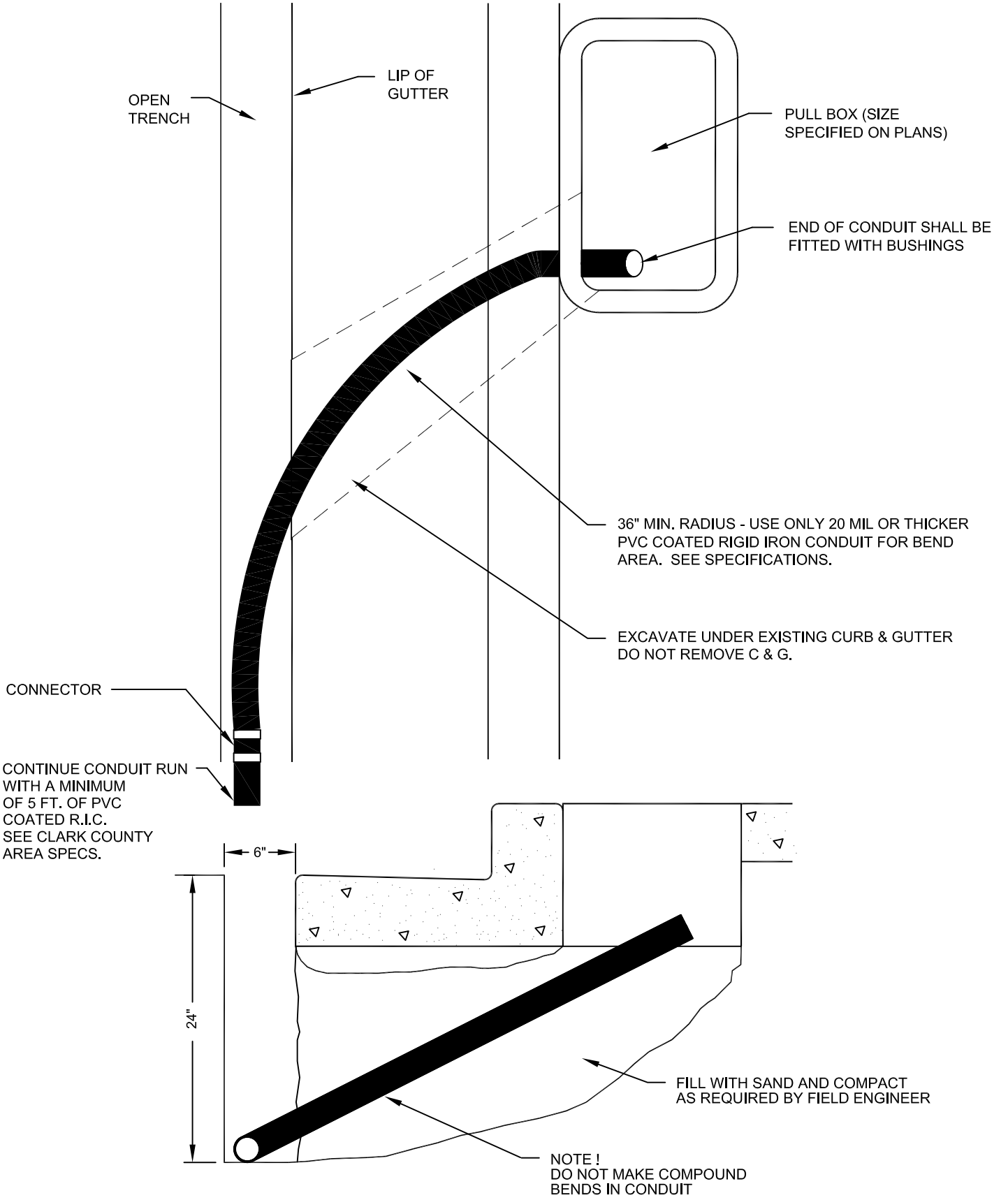


NOTES:

1. MAIN SWITCH.
2. 30 AMP CIRCUT BREAKERS.
3. SIGNAL FLASH SWITCH INSIDE CABINET.
4. AUXILARY DOOR SIGNAL FLASH SWITCH.
5. NEMA STD. PLUG RECEPTACLE WITH GROUNDING CONTACT.
6. RADIO FREQUENCY INTERFERENCE SUPPRESSOR.
7. SOLID STATE SIGNAL FLASHER (CABINET MFR. TO DETERMINE POLES AND CAPACITY, UNLESS OTHERWISE SPECIFIED)
8. SIGNAL FLASHING CONTROL RELAYS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		AUXILIARY CABINET EQUIPMENT WIRING		
		DATE	DWG. NO. 404.1414	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09



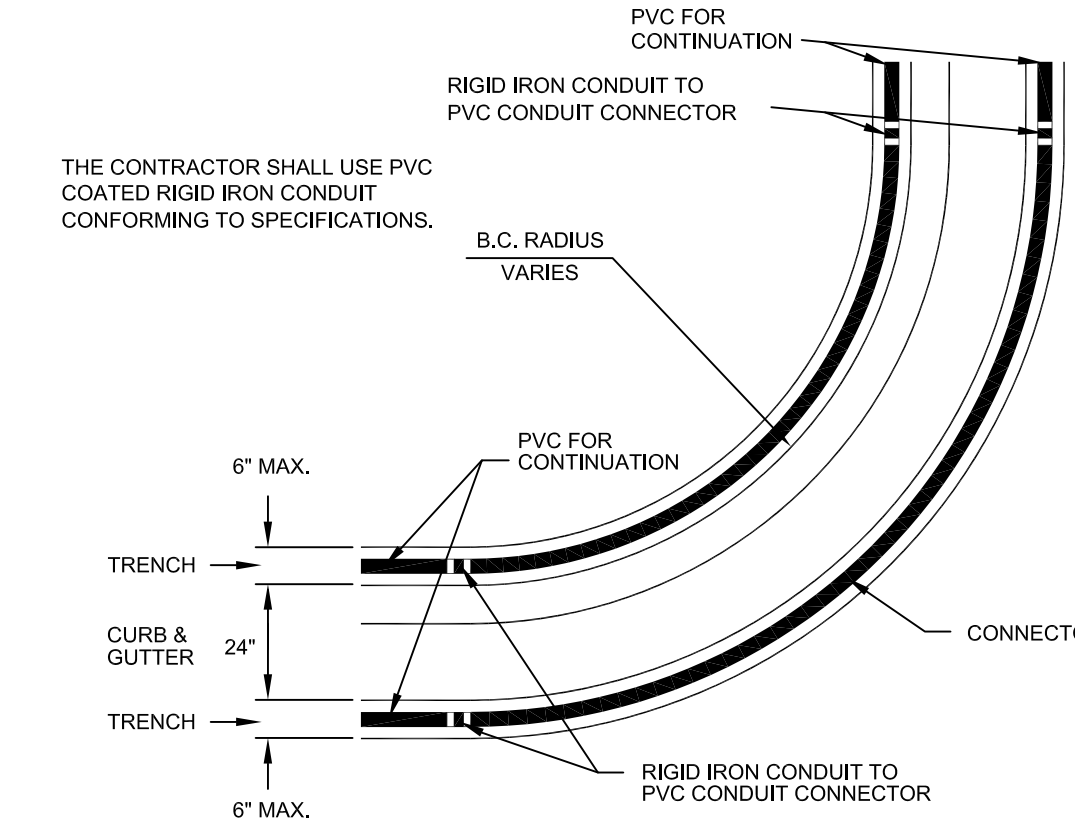
SPECIFICATION REFERENCE	

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

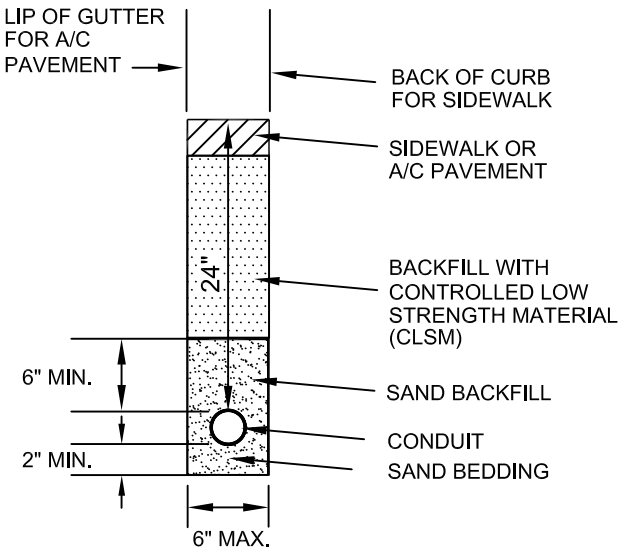
INSTALLATION OF CONDUIT INTO PULL BOX FROM LIP OF GUTTER TRENCH

DATE	DWG. NO. 404.1418	SHEET 1 OF 1

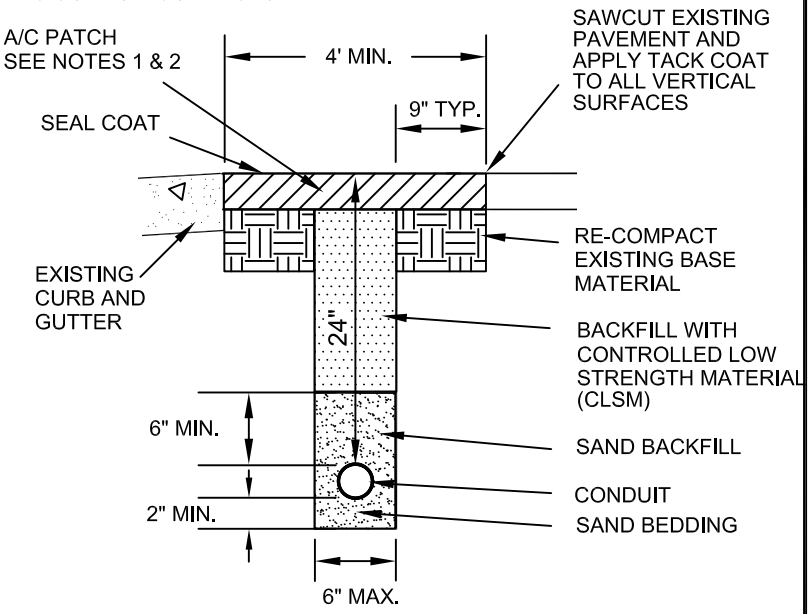
Effective 07/01/09 - 12/30/09



TYPICAL CONDUIT LOCATIONS



NEW CONSTRUCTION



CONDUIT RETROFIT (EXIST. PAVEMENT)

NOTES (RETROFIT):

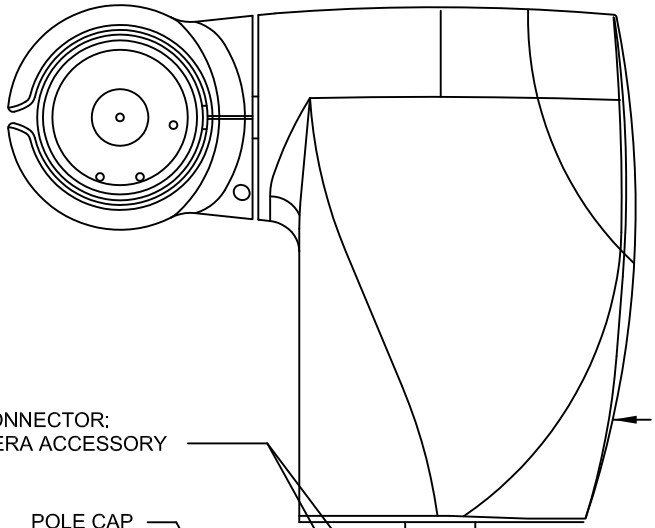
1. DEPTH TO MATCH EXISTING AC PAVEMENT, BUT NOT LESS THAN 4", PLACED IN MULTIPLE LIFTS OF EQUAL THICKNESS.
2. PATCH WIDTH SHALL BE SUFFICIENT TO ACCOMMODATE MECHANICAL PLACEMENT USING AGNCY APPROVED SPREADER BOX OR PAVING MACHINE, ROLLING AND COMPACTION PER UNIFORM STANDARD SPECIFICATION SECTION 401.03.11.
3. IF SAWCUT IS WITHIN 3 FEET OF EDGE OF EXISTING ASPHALT CONCRETE SURFACE OR OTHER PATCH, REMOVE EXISTING PAVEMENT TO THAT EDGE AND REPLACE ENTIRE SECTION.
4. IF 24" COVER IS NOT POSSIBLE, THEN RED CONCRETE ENCASEMENT MIN. 4" ABOVE CONDUIT REQUIRED.
5. CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE INSTALLED TO FINAL GRADE FOR TEMPORARY PATCHING.
6. PERMANENT PATCH MIX DESIGN SHALL BE AS REQUIRED BY ENGINEER.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		INSTALLATION OF CONDUIT		
		DATE 5-17-01	DWG. NO. 404.1419	SHEET 1 OF 1

Effective 07/01/09 - 12/30/09

CCTV CAMERA

COHU 3965 - 4101
(OR APPROVED EQUAL)



CABLE AND CONNECTOR;
PART OF CAMERA ACCESSORY

CAMERA & LENS
HOUSING

POLE CAP

CAMERA ADAPTER
STAND (SEE DWG. NO.
404.1500, SHEET 3 0F 3)

1/2 S.S. ALL THREAD w/SINGLE S.S. FLAT WASHER
AND DOUBLE S.S. NUTS (EACH SIDE) TO EXTEND
COMPLETELY THROUGH POLE AND CAP (2-ALL-
THREAD BOLTS REQ'D PER POLE WITH EACH
OFFSET TO EXTEND THROUGH POLE).

CONNECTS TO CA295H CABLE
(MALE)

CONNECTS TO CAMERA
ACCESSORY
(FEMALE)

WEATHER PROOF
MS STYLE CONNECTOR

CABLE (COHU MODEL CA295H
OR APPROVED EQUAL)
SEE CABLE WIRING DIAGRAM
(DWG. NO. 000.000, SHEET 2 OF 3)

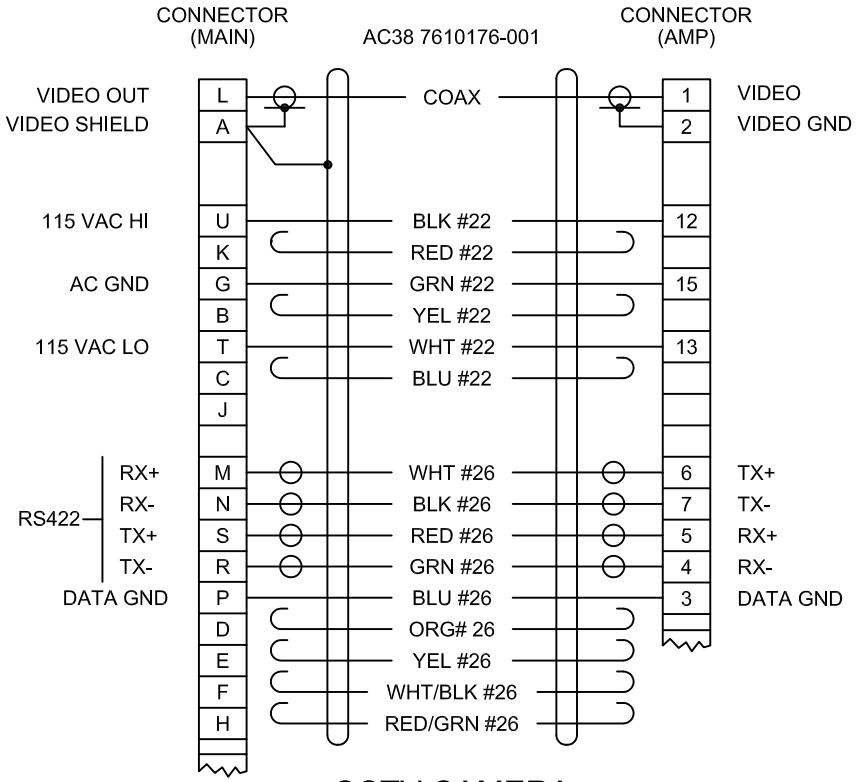
TRAFFIC SIGNAL POLE

CONNECT TO BACK OF LOCAL
CCTV CAMERA CONTROL UNIT
COHU 9300 SERIES i-CONTROL
(OR APPROVED EQUAL IN TRAFFIC
CONTROLLER CABINET)
(MALE)
(SEE DWG. NO. 404.1500, SHEET 2 0F 3)

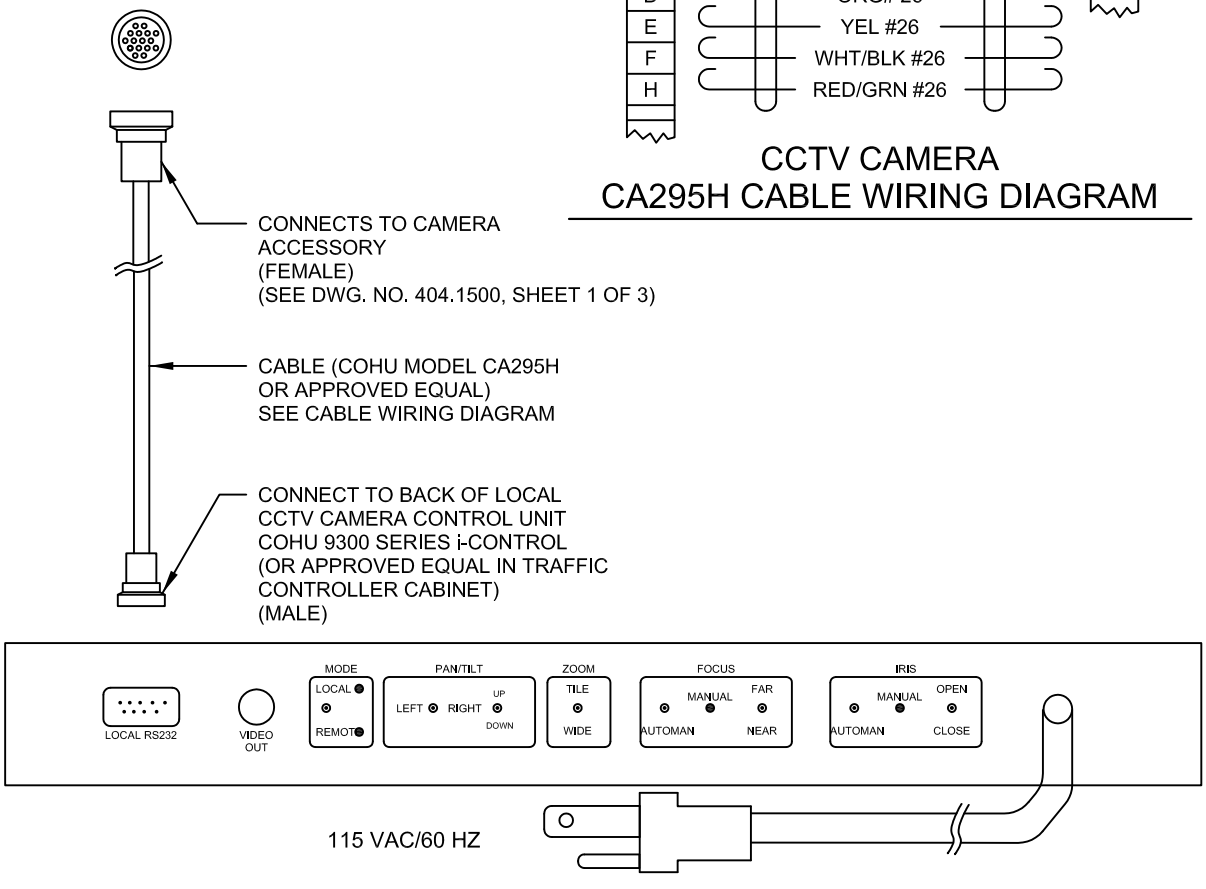
FOR CCTV AND CONTROL UNIT DETAILS
SEE 687 SPECIFICATIONS.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		CLOSED CIRCUIT TELEVISION CAMERA		
		DATE 11-8-07	DWG. NO. 404.1500	SHEET 1 OF 3

Effective 07/01/09 - 12/30/09



CCTV CAMERA
CA295H CABLE WIRING DIAGRAM



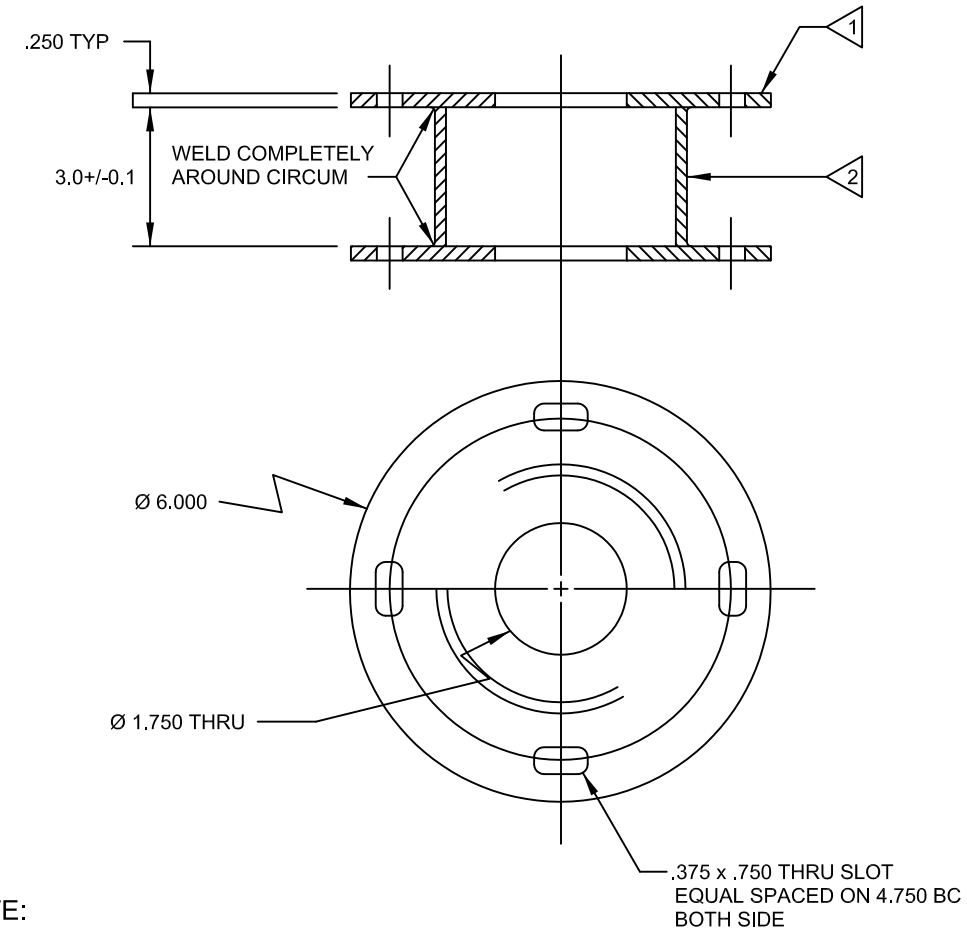
LOCAL CCTV CAMERA CONTROL UNIT
COHU 9300 SERIES i-CONTROL
(OR APPROVED EQUAL)
(IN TRAFFIC CONTROLLER CABINET)

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		CLOSED CIRCUIT TELEVISION CAMERA CONTROL UNIT AND CABLE WIRING DIAGRAM		
		DATE 11-8-07	DWG. NO. 404.1500	SHEET 2 OF 3

Effective 07/01/09 - 12/30/09

CAMERA ADAPTER STAND
(REQUIRED FOR POLE CAP MOUNTING)

1. MAT'L (FLANGE): 1018 STEEL OR EQUIV.
2. MAT'L (TUBE): Ø 3.5 X 1/8 WALL 1018 STEEL OR EQUIV
3. FINISH: YELLOW CHROMATE CONVERSION COAT TYPE I PER MM-42 OR MIL-C-5541B CLASS 1A
4. PAINT ALL SURFACES LIGHT GRAY METAL FINE USING 3310042-478 PER MM-33 OR FEDERAL TEST METHOD STD NO.141. FINE TEXTURE OUTSIDE SURFACE ONLY AND OVERSPRAY PERMITTED.
5. REMOVE ALL BURRS AND SHARP EDGES 0.015 MAX



NOTE:
A 10' EXTENSION PROVIDED WHEN REQUIRED
DESIGNED BY INSTALLER AND APPROVED BY RTC-FAST.

SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA		
		CAMERA ADAPTOR STAND		
		DATE 11-8-07	DWG. NO. 404.1500	SHEET 3 OF 3

Effective 07/01/09 - 12/30/09