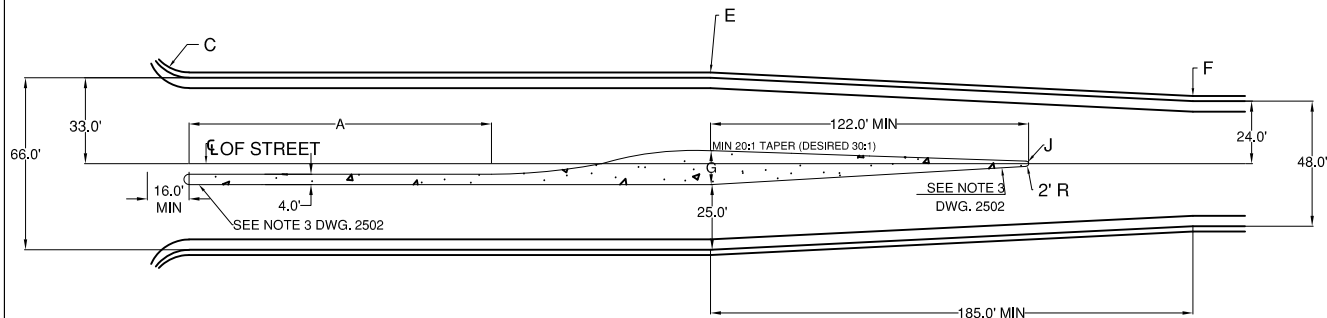
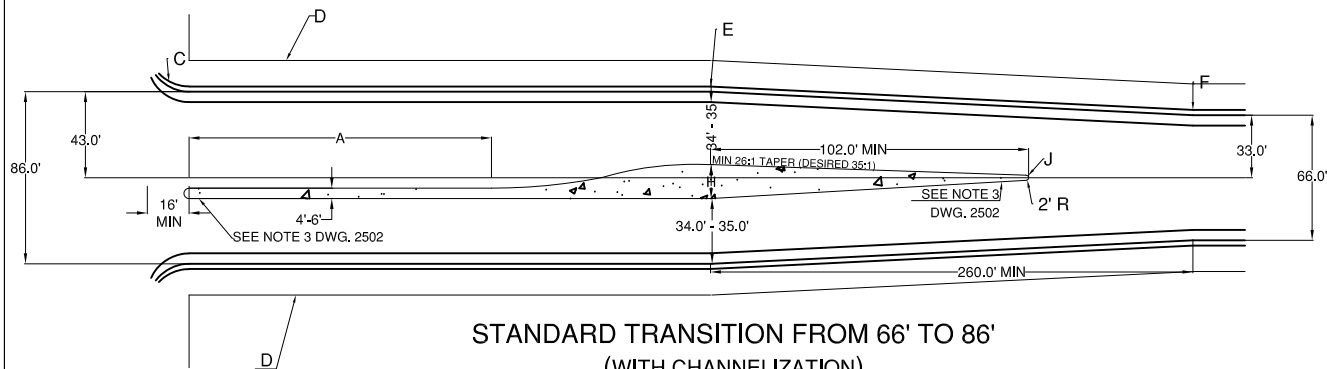


SECTION 2500
STANDARD DETAILS FOR TRAFFIC

DWG. NO.	TITLE	DWG. NO.	TITLE
2501	STANDARD TRANSITION	2568	TRAFFIC SIGNAL MACHINE VISION VEHICLE DETECTOR SYSTEM
2502	TYPICAL STREET INTERSECTION PLAN	2569	TRAFFIC SIGNAL OPTICAL DETECTOR INSTALLATION DETAILS
2503	TYPICAL STREET INTERSECTION PLAN	2570	TRAFFIC SIGNAL ELECTRICAL SERVICE DETAILS
2504	CURB RETURN RADIUS TABLE	2571	TRAFFIC SIGNAL METER PEDESTAL DETAILS FOR SIGNAL
2505	CHANNELIZED RIGHT TURN FOR INTER. WITH PRINCIPAL ARTERIAL	2572	TRAFFIC SIGNAL METER PEDESTAL DETAILS COMBINATION SIGNALS & LIGHTING
2510	PLAN CUL-DE-SACS	2573	STREET LIGHTING CONTROL CABINET SIX CIRCUIT, METERED
2528	POLE INSTALLATION FOR PARKING METERS	2580	STREET LIGHTING FOUNDATION & MISCELLANEOUS DETAILS
2529	BICYCLE GATEWAY	2581	STREET LIGHTING INSTALLATION & POLE DETAILS
2535.1	BUS SHELTER "C" - CUT SECTION, FILL SECTION		
2535.2	BUS SHELTER "C" - PLAN & ROOF PLAN (W/SIDEWALK)		
2535.3	BUS SHELTER "C" - (W/O SIDEWALK)		
2535.4	BUS SHELTER "D" - PLAN & ROOF PLAN (W/SIDEWALK)		
2535.5	BUS SHELTER "D" - (W/O SIDEWALK)		
2535.6	BUS SHELTER "C" - ELEVATION / SECTION		
2535.7	BUS SHELTER "D" - ELEVATION / SECTION		
2535.8	BUS SHELTER "C" & "D" DETAILS		
2535.9	BUS SHELTER "C" & "D" BENCH		
2535.10	BUS SHELTER "C" & "D" TRASH RECEPTACLE		
2550	TRAFFIC SIGNAL PULL BOX DETAILS		
2551	TRAFFIC SIGNAL MANHOLE DETAILS		
2552	TRAFFIC SIGNAL LOOP DETECTOR DETAILS		
2555	TRAFFIC SIGNAL CONTROLLER CABINET & PEDESTRIAN FOUNDATION DETAILS		
2556	TRAFFIC SIGNAL CABINET FOUNDATION CONVERSION		
2557	TRAFFIC SIGNAL SPLICE CABINET GROUND MOUNT (LARGE)		
2558	TRAFFIC SIGNAL FOUNDATION DETAILS TYPE II AND TYPE III STANDARDS		
2560	TRAFFIC SIGNAL MISCELLANEOUS DETAILS		
2561	TRAFFIC SIGNAL MASTARM DETAILS, ALUMINUM		
2562A	TRAFFIC SIGNAL MASTARM DETAILS, TYPE II STANDARD		
2562B	TRAFFIC SIGNAL MASTARM DETAILS, TYPE II STANDARD		
2562C	TRAFFIC SIGNAL MASTARM DETAILS, TYPE III STANDARD		
2562D	TRAFFIC SIGNAL TYPE III STANDARD MISC. DETAILS		
2565	TRAFFIC SIGNAL SCHOOL BEACON DETAILS (MASTARM)		
2566	TRAFFIC SIGNAL SCHOOL BEACON DETAILS (PEDESTAL)		
2566B	TRAFFIC SIGNAL WARNING TRAFFIC BEACON DETAILS		



STANDARD TRANSITION FROM 48' TO 66'
(WITH CHANNELIZATION)



STANDARD TRANSITION FROM 66' TO 86'
(WITH CHANNELIZATION)

GENERAL NOTES:

1. ALL DIMENSIONS ARE FROM FLOW LINE TO FLOW LINE

CONSTRUCTION NOTES:

- A. VARIES, SEE PLANS
- B. REVERSE CURVE
- C. FOR CURB RETURN RADII SEE TABLE ?? CHAPTER 7 DPM
- D. RIGHT OF WAY LINE
- E. DESIGN TRANSITION
- F. END TRANSITION
- G. 16' OR AS SPECIFIED ON THE PLANS
- H. 16' - 18' OR AS SPECIFIED ON THE PLANS
- J. INSTALL 4" DIAMETER PVC, SLEEVE THRU MEDIAN PAVING;
10' BACK OF NOSE CENTERED IN MEDIAN FOR SIGN POSTS
BY OTHERS

REVISIONS

CITY OF
ALBUQUERQUE

TRAFFIC
STANDARD TRANSITION

DWG 2501

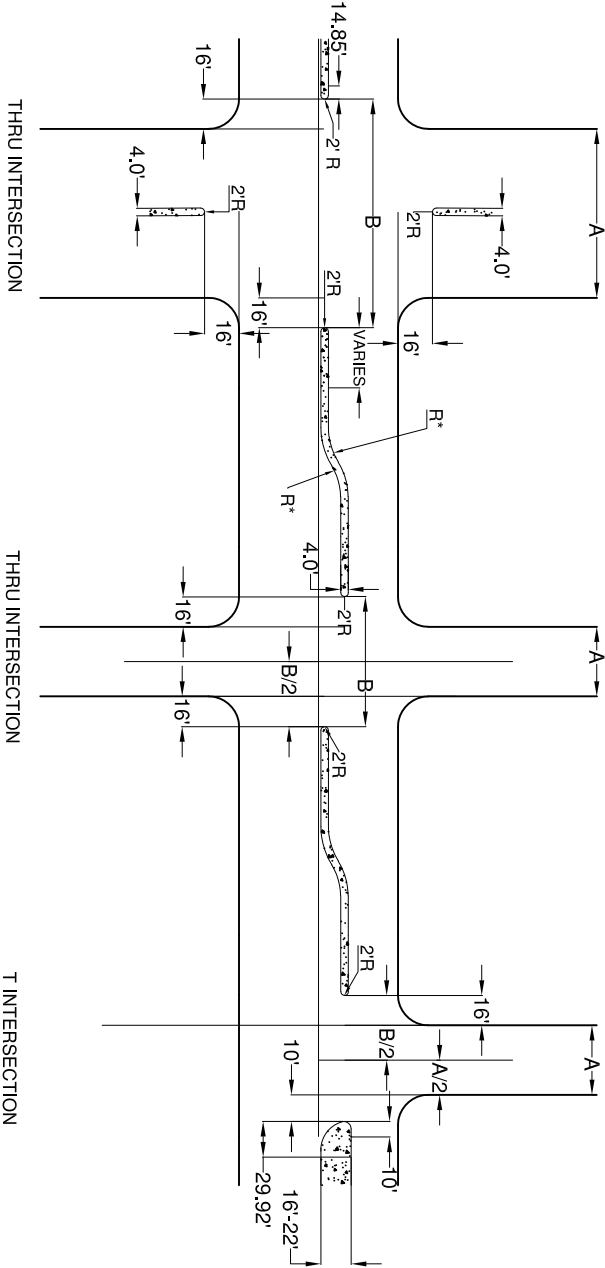
SEP.2019

GENERAL NOTES:

- 1. INTERSECTIONS WITH SKEWS GREATER THAN 10° SHALL BE INDIVIDUALLY DESIGNED AND DETAILED IN THE PLANS. DESIGN CRITERIA SHALL BE ESTABLISHED BY THE ENGINEER DIV. AND THE ACTUAL DESIGN APPROVED BY THE TRAFFIC ENGINEER.
- 2. ALL DIMENSIONS ARE FROM FLOW LINE TO FLOW LINE.
- 3. PAVE ALL MEDIANS 6" OR LESS IN WIDTH FLOW LINE TO FLOW LINE WITH 4" PORTLAND CEMENT PATTERNED CONCRETE SIDEWALK, END PAVING WHERE MEDIAN WIDENS PAST 5'.
- 4. MEDIANS GREATER THAN 5 IN WIDTH F.L. TO F.L., THE MEDIAN END WILL BE PAVED 10' BACK FROM THE NOSE WITH 4" PORTLAND CEMENT PATTERNED CONC. SIDEWALK (3' 16" PATTERNED DEPTH)

MEDIAN OPENING DIMENSIONS	
STREET WIDTH "A"	MEDIAN OPENING "B"
LESS THAN 48'	76'
48' TO 64'	96'
66'	98'
86'	118'

R * : SEE DPM FOR REVERSE CURVE
RADII BASED ON DESIGN SPEED.



TYPICAL STREET INTERSECTION PLAN

REVISIONS	CITY OF ALBUQUERQUE
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GENERAL NOTES

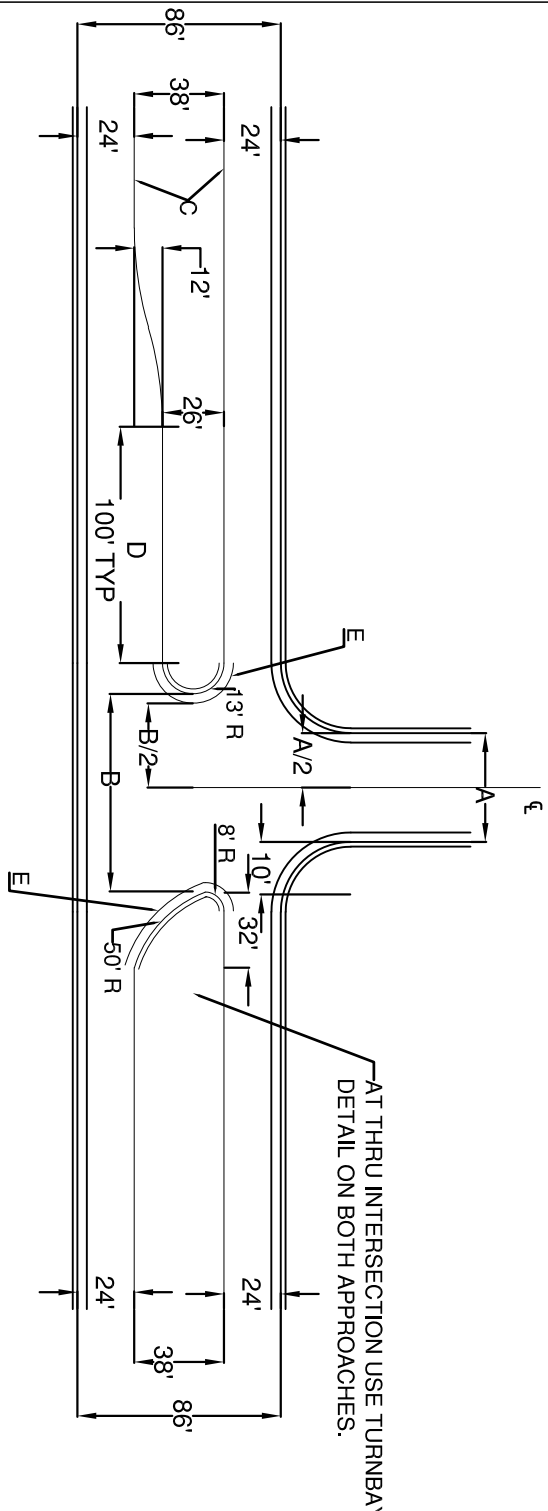
1. ALL DIMENSIONS ARE FROM FLOW LINE TO FLOW LINE.

MEDIAN OPENING DIMENSIONS	
STREET WIDTH "A" MEDIAN OPENING "B"	
LESS THAN 40'	58'
40' TO 46'	66'
48' TO 64'	86'
66'	98'
86'	118'

CONSTRUCTION NOTES:

- A. STREET WIDTH
- B. MEDIAN OPENING
- C. EXTRUDED ASPHALT CURB.
- D. VARIES, SEE PLANS.
- E. CONC. MEDIAN C. & G.

TYPICAL INTERSECTION PLAN
MAJOR ARTERIAL STREET W/STAGE CONSTRUCTION



REVISIONS	CITY OF ALBUQUERQUE
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TYPICAL STREET INTERSECTION PLAN	TRAFFIC
DWG. 2503	AUGUST. 2019

STANDARD CURB RETURN RADII (AT FLOW LINE) AND RIGHT OF WAY AT INTERSECTIONS

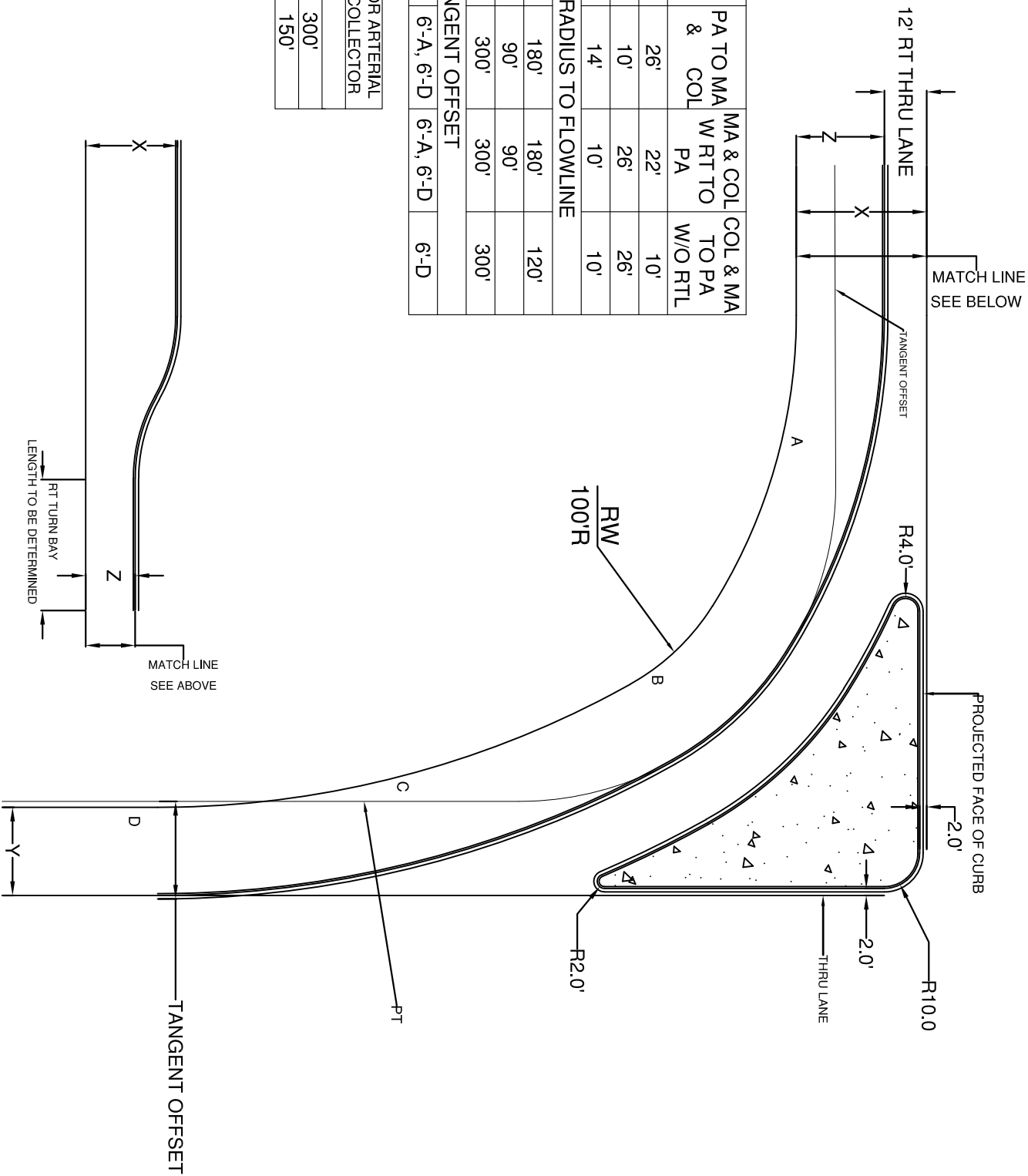
FROM/TO	COMMUTER	MAJOR TRANSIT	MULTI MODAL	MAIN STREET	OTHER ARTERIAL	MINOR ARTERIAL	COLLECTOR	LOCAL COMMERCIAL	LOCAL RESIDENTIAL
COMMUTER	30-35'	25 - 30'	25 - 30'	25 - 30'	25 - 30'	25 - 30'	25 - 30'	25 - 30'	25 - 30'
MAJOR TRANSIT	25 - 30'	25 - 30'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'
MULTI MODAL	25 - 30'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'
MAIN STREET	25 - 30'	20 - 25'	20 - 25'	15 - 20'	20 - 25'	20 - 25'	15 - 20'	15 - 20'	15 - 20'
OTHER ARTERIAL	25 - 30'	20 - 25'	20 - 25'	20 - 25'	25 - 30'	20 - 25'	20 - 25'	20 - 25'	20 - 25'
MINOR ARTERIAL	25 - 30'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'	20 - 25'
COLLECTOR	25 - 30'	20 - 25'	20 - 25'	15 - 20'	20 - 25'	20 - 25'	15 - 20'	15 - 20'	15 - 20'
LOCAL COMMERCIAL	25 - 30'	20 - 25'	20 - 25'	15 - 20'	20 - 25'	20 - 25'	15 - 20'	15 - 20'	10 - 15'
LOCAL RESIDENTIAL	25 - 30'	20 - 25'	20 - 25'	15 - 20'	20 - 25'	20 - 25'	15 - 20'	10 - 15'	10 - 15'

NOTES:

- INTERSECTING PROPERTY LINES AT INTERSECTIONS MUST BE DESIGNED TO ALLOW CONSTRUCTION OF FULL-SIZED STANDARD HANDICAPPED ACCESS RAMPS WHOLLY WITHIN THE PUBLIC RIGHT-OF-WAY. RAMPS MUST CONFORM TO THE STANDARD DETAILS.
- FLARED TRANSITIONS MUST BE PROVIDED WHERE LOCAL RESIDENTIAL STREETS HAVING LESS THAN 32 FEET WIDE PAVING INTERSECT OTHER STREETS. THE TRANSITION MUST PROVIDE FOR A 25:1
- USE THREE CENTERED ASYMMETRIC CURVES WITH CHANNELIZED RIGHT-TURN LANE. AS NEEDED
- ARTERIAL ROADWAY INTERSECTIONS. ISLAND SHALL BE LARGE ENOUGH FOR PEDESTRIAN FACILITIES AND TRAFFIC CONTROL DEVICES.
- RADI MAY BE INCREASED AT TRAFFIC ENGINEERS DISCRETION WHEN A SIGNIFICANT PERCENTAGE OF LARGE TRUCK TRAFFIC IS PROBABLE.

REVISIONS	CITY OF ALBUQUERQUE
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	TRAFFIC TYPICAL STREET INTERSECTION PLAN
DWG. 2504	AUGUST. 2019



PA TO TO PA	PA TO MA & COL	MA & COL W RT TO PA	COL & MA TO PA W/O RTL
X	26'	22'	10'
Y	26'	10'	26'
Z	14'	14'	10'
RADIUS TO FLOWLINE			
A	180'	180'	120'
B	90'	90'	
C	300'	300'	300'
TANGENT OFFSET			
*	6'-A, 6'-D	6'-A, 6'-D	6'-D

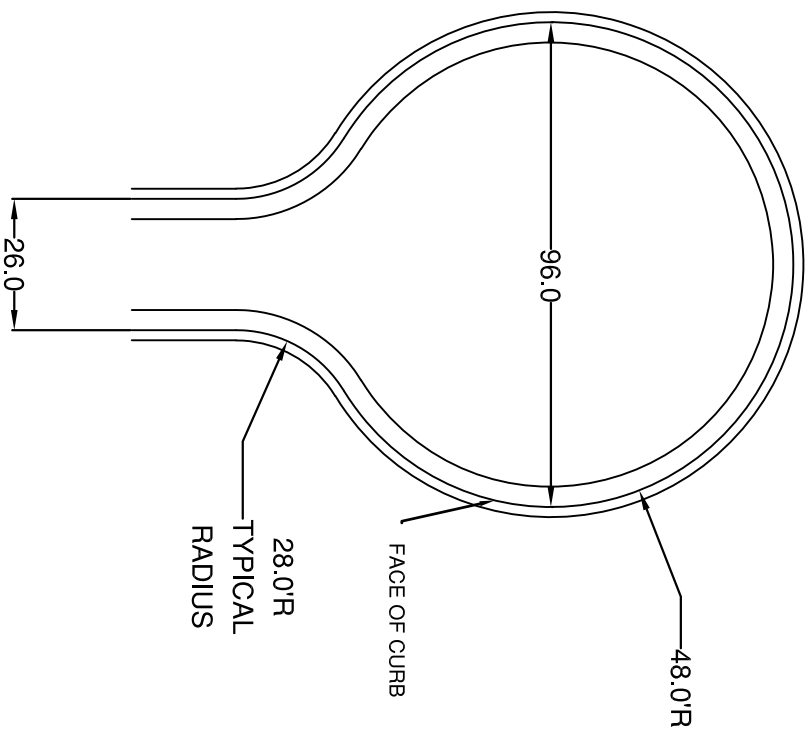
PRINCIPAL ARTERIAL	MINOR ARTERIAL OR COLLECTOR
RADIUS	
E	600'
F	300'

PA = PRINCIPAL ARTERIAL
MA = MINOR ARTERIAL
COL = COLLECTOR
RTL= RIGHT TURN LANE
A = APPROACH SIDE OF ISLAND
D= DEPARTURE PART OF ISLAND

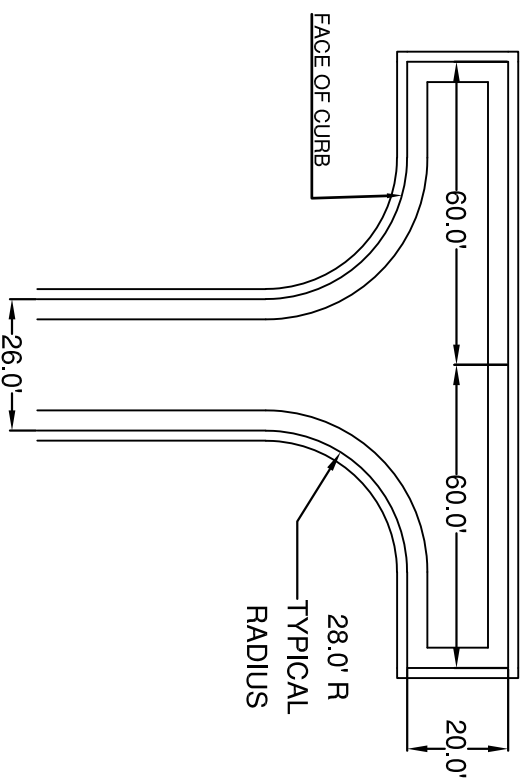
REVISIONS

CITY OF ALBUQUERQUE

TRAFFIC
CHANNELIZED RIGHT TURN FOR
INTER. WITH PRINCIPAL ARTERIAL
DWG.2505 AUGUST 2019



TYPICAL
CUL-DE-SAC



TYPICAL
HAMMERHEAD

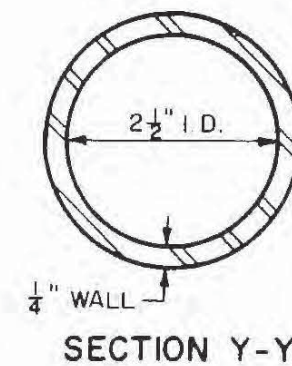
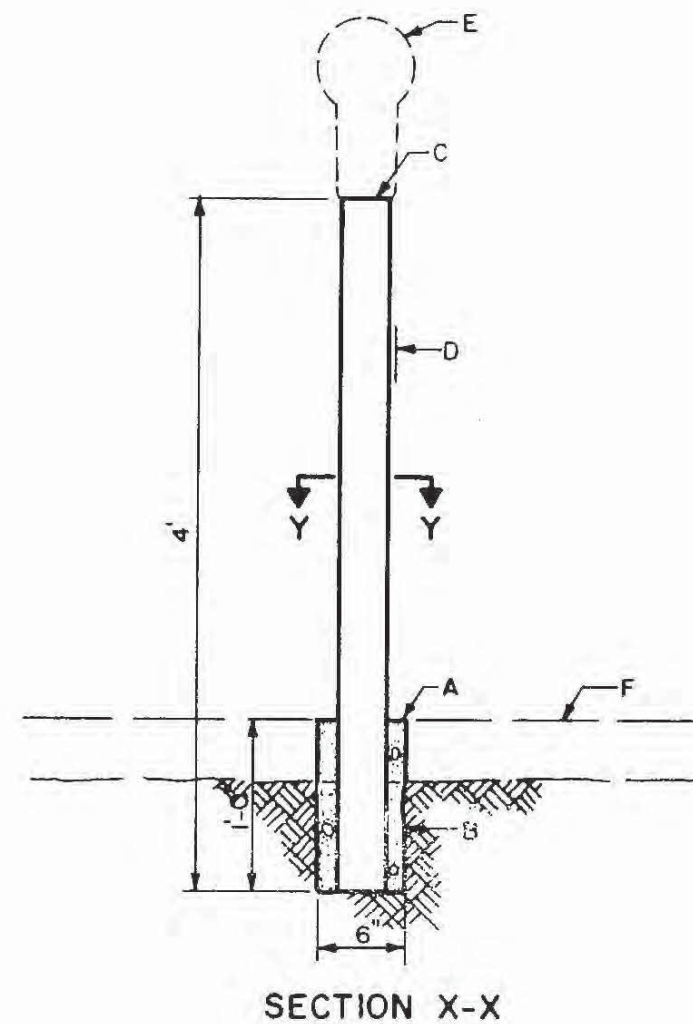
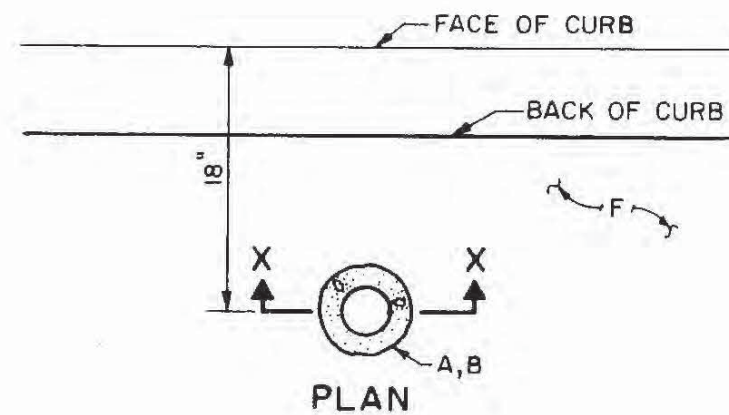
MIN. F-F STREET WIDTH		MAX. CUL-DE-SAC LENGTH(FT.)
20'		≤500'
26'		≤600'

REVISIONS

CITY OF ALBUQUERQUE

TRAFFIC
CUL-DE-SAC

DWG-2510 AUGUST 2019



GENERAL NOTES:

1. PARKING METER POLES TO BE SPACED AS SHOWN ON PLANS.
2. MATERIAL: BLACK STEEL PIPE WITH TWO COATS OF SILVER PAINT.

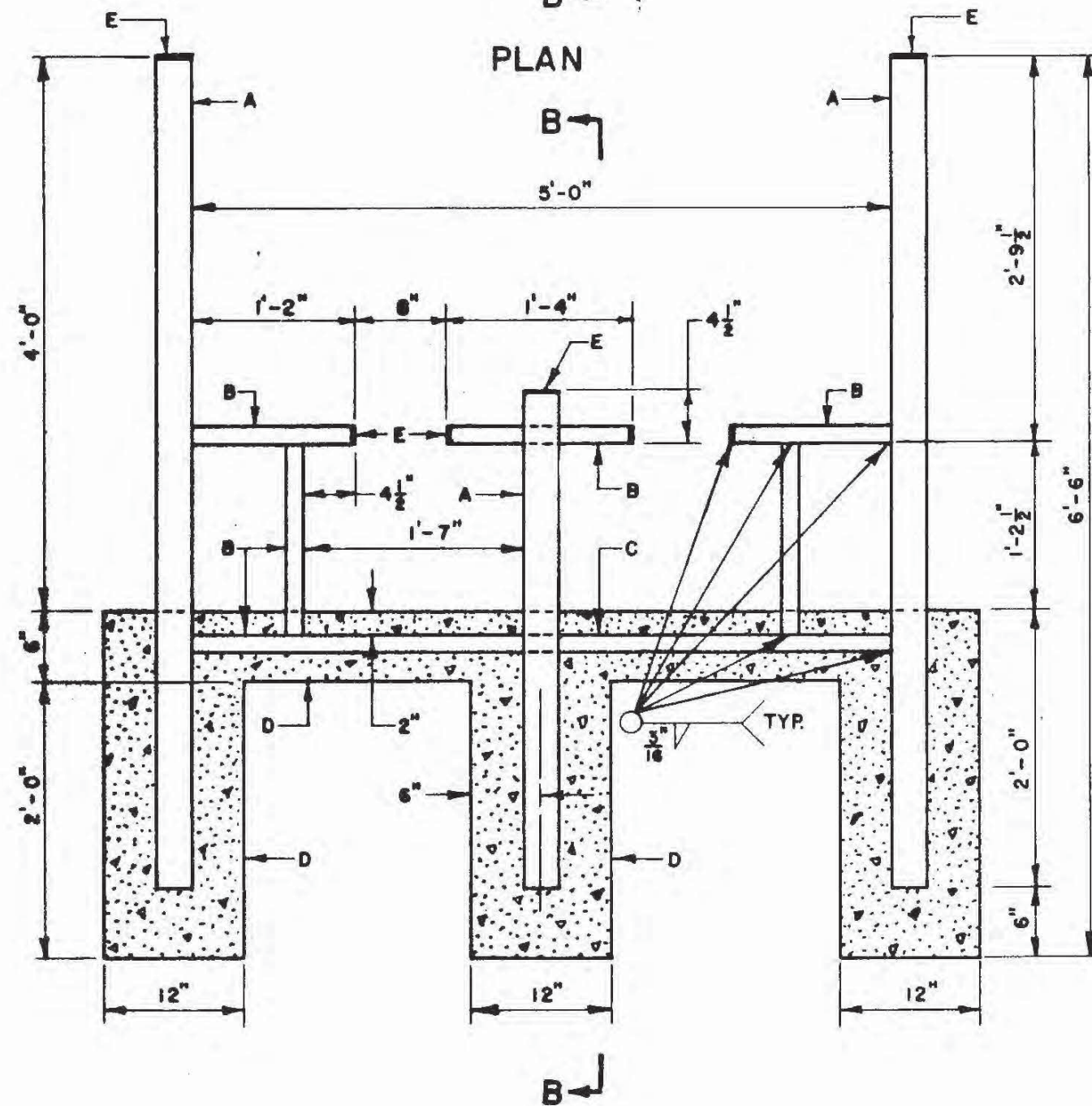
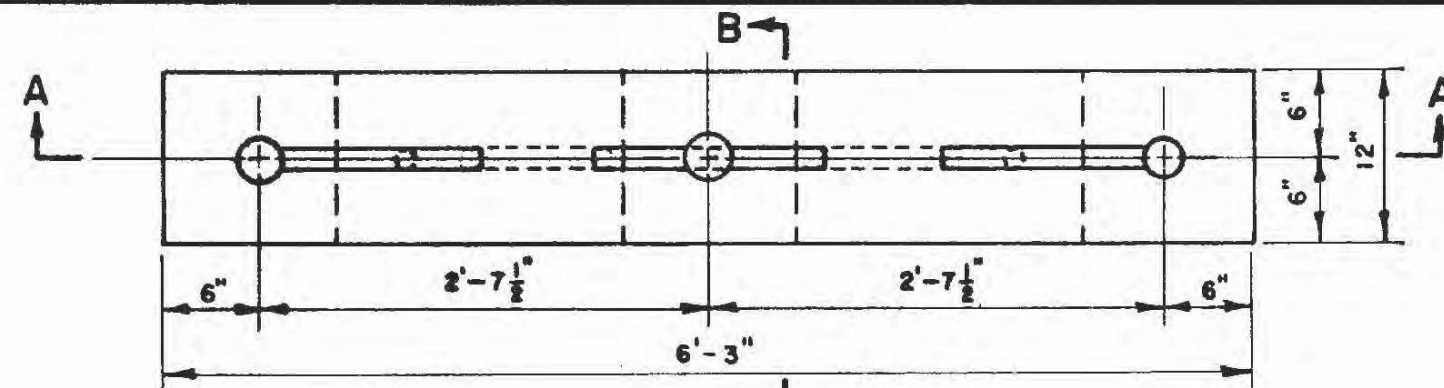
CONSTRUCTION NOTES:

- A. 6" MIN. DIA. CORE DRILL IN EXISTING SLAB OR BLOCK OUT IN NEW CONSTRUCTION.
- B. CONCRETE OR NON-SHRINK GROUT. FINISH TOP TO MATCH SIDEWALK.
- C. REAM AND DE-BURR EXPOSED END OF PIPE AFTER CUTTING.
- D. PLUMB POLE IN ALL DIRECTIONS, REGARDLESS OF SLOPE OF STREET.
- E. METER HEAD FURNISHED AND INSTALLED BY CITY.
- F. 4" P.C.C. SIDEWALK.

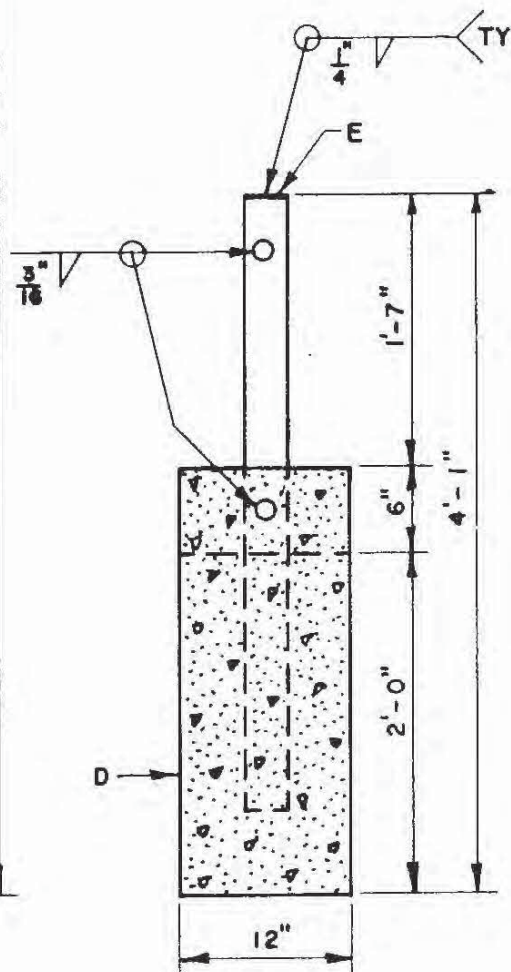
REVISIONS

CITY OF ALBUQUERQUE

TRAFFIC
POLE INSTALLATION
FOR PARKING METER
DWG.2528



SECTION A-A



SECTION B-B

GENERAL NOTES:

1. SQUARE TUBING MAY BE USED IN LIEU OF SCH. 40 PIPE.
2. GALVANIZE BICYCLE GATEWAY AFTER FABRICATION.
3. GRIND ALL WELDS SMOOTH.

CONSTRUCTION NOTES:

- A. 3" DIA. SCH. 40 PIPE, TYPICAL.
- B. 1 1/2" DIA. SCH. 40 PIPE, TYPICAL.
- C. ENCLOSE BOTTOM MEMBER IN CONCRETE.
- D. PORTLAND CEMENT CONCRETE.
- E. 1/4" FLAT CAP, TYPICAL.

REVISIONS

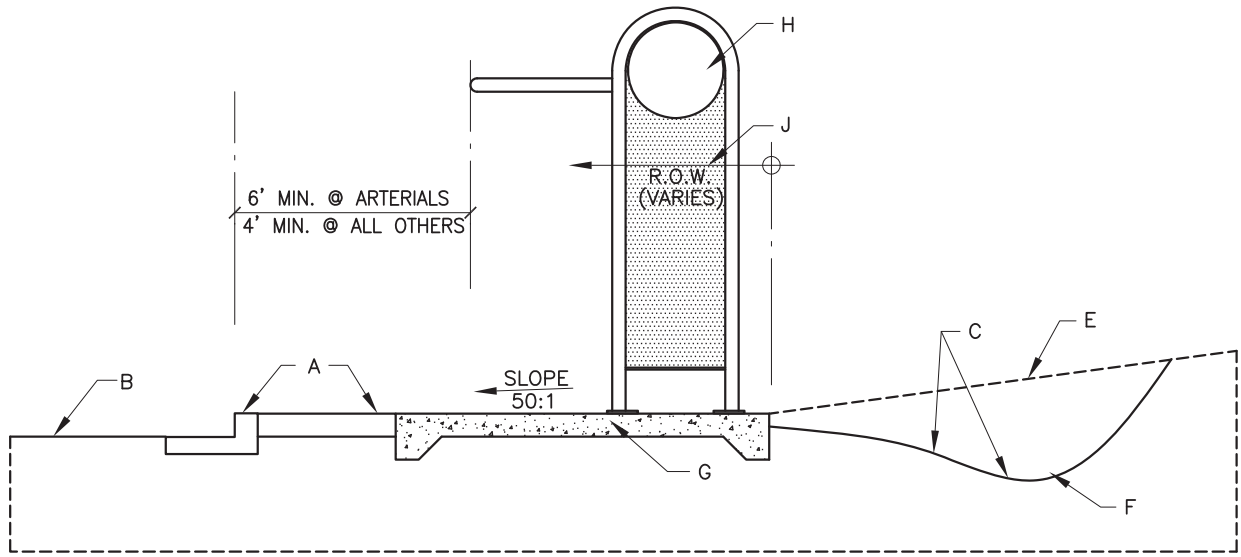
CITY OF ALBUQUERQUE

TRAFFIC
BICYCLE GATEWAY

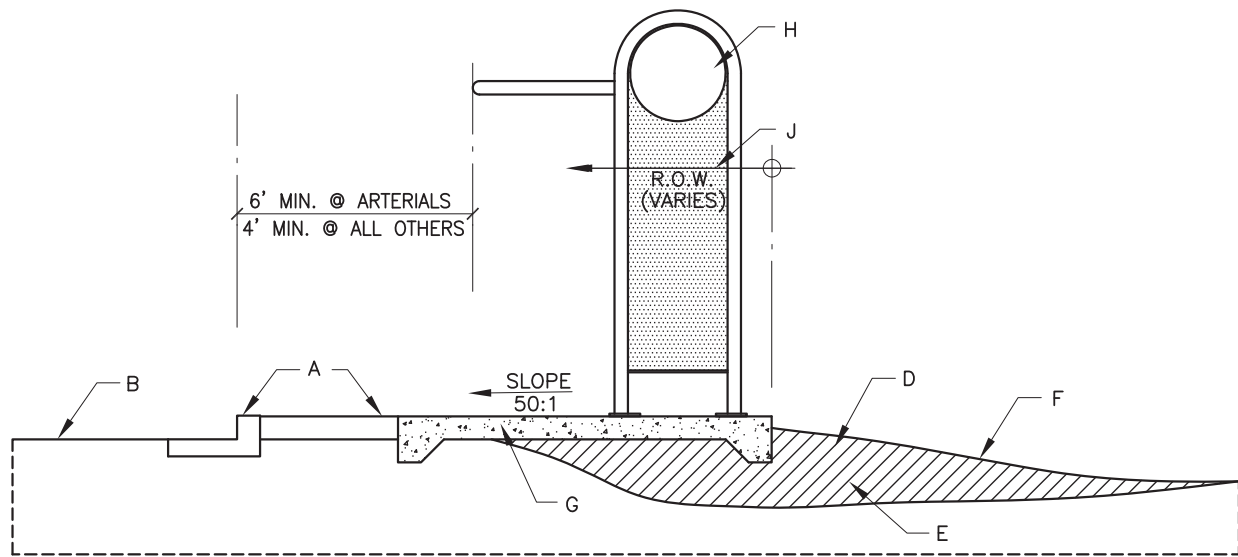
DWG. 2529

AUG. 1986

CUT SECTION



FILL SECTION



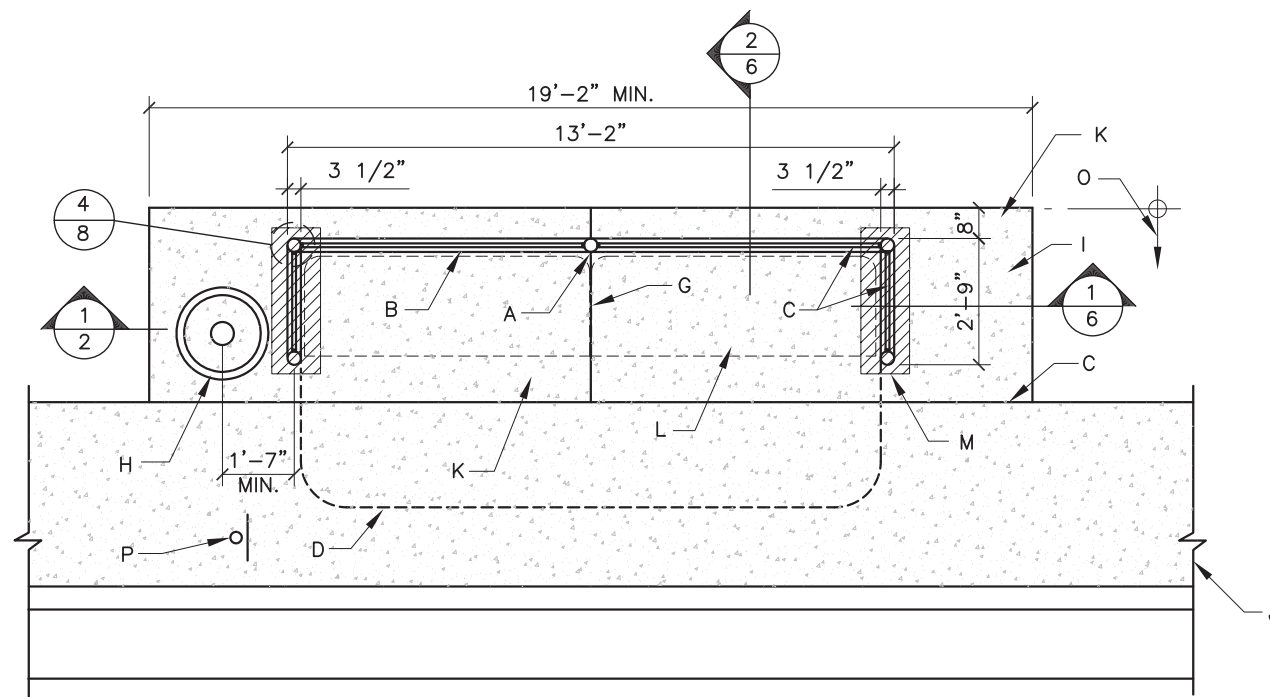
CONSTRUCTION NOTES:

- A. EXISTING SIDEWALK. CURB & GUTTER (WIDTH VARIES).
- B. EXISTING STREET.
- C. SWALE, ADJUST EXISTING GRADE AS REQUIRED TO PROVIDE DRAINAGE AWAY FROM SLAB.
- D. FILL AND COMPACT TO DRAIN AWAY FROM SHELTER AS REQUIRED.
- E. EXISTING GRADE. (VARIES)
- F. FINISHED GRADE. (VARIES) (NOTE: EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED).
- G. NEW CONCRETE SLAB.
- H. 16ga. METAL END PANEL.
- J. SHELTER TO BE CONSTRUCTED WITHIN R.O.W. (NOTE: EASEMENT MAY BE REQUIRED IF R.O.W. DOES NOT PERMIT MINIMUM CLEARANCE TO STREET).

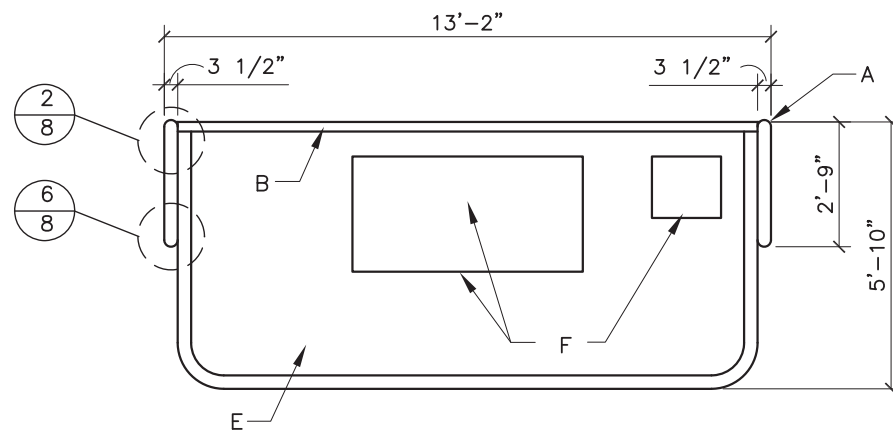
GENERAL NOTES:

- 1. SEE BUS BAY C.O.A. STD. DWG. 2466 – IF NEW BUS BAY IS REQUIRED.
- 2. VERIFY EXISTING SITE CONDITIONS AND CONTACT TRANSIT DEPT. BEFORE COMMENCING WORK.
- 3. THE CONTRACTOR SHALL, AT THE TIME OF EXCAVATION AND PRIOR TO ANY CONCRETE WORK: CALL FOR FIELD INSPECTION AND WRITTEN REPORT BY A REGISTERED GEOTECHNICAL ENGINEER TO DETERMINE THAT THE ON SITE SOIL ARE NON-EXPANSIVE AND CAPABLE OF 1500 PSF BEARING, AND SUITABLE FOR USE AS BACKFILL MATERIAL. THE OWNER SHALL PAY THE COST OF SUCH INSPECTION AND REPORT, AND SHALL PROVIDE THE CITY OF ALBUQUERQUE WITH A COPY OF THE REPORT. THE GRADES SHALL BE ADJUSTED WITH SUITABLE FILL AS REQUIRED TO ACCOMMODATE SPECIFIED SLAB SIZE.
- 4. MARK FABRICATED ITEMS TO BE INSTALLED IN FIELD, AFTER PAINTING FOR PROPER INSTALLATION.
- 5. VERIFY THAT FABRICATION ITEMS FIT PROPERLY BEFORE PAINTING.
- 6. EXACT LOCATION OF THE BUS SHELTER WILL BE DETERMINED BY THE TRANSIT DEPARTMENT. CONTACT THE TRANSIT BUS STOP COORDINATOR PRIOR TO COMMENCING WITH CONSTRUCTION.
- 7. PRIOR TO CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL OBTAIN ALL PERMITS FROM THE PUBLIC WORKS DEPARTMENT.
- 8. STEEL PIPE SIZES ARE NOMINAL, THE OUTSIDE DIAMETERS ARE AS FOLLOW:
 - 8" SCHEDULE STANDARD PIPE, O.D. = 8.625"
 - 3" SCHEDULE 40 STANDARD PIPE, O.D. = 3.500"
 - 2" SCHEDULE 40 STANDARD PIPE, O.D. = 2.375"
 - 1 1/4" SCHEDULE 40 STANDARD PIPE, O.D.=1.660"
- 9. ALL METAL ITEMS EXCEPT ANY FACTORY FINISHED ITEMS SHALL BE FIELD OR SHOP PAINTED WITH ONE COAT OF "CORROBAR" STEEL PRIMER AND TWO COATS OF "SYN-LUSTRO" COLOR #Q12-64U, "BLUE GROTTO" MARRED AREAS SHALL BE RE-PRIMED & RE-PAINTED AFTER CONSTRUCTION IS COMPLETE. PAINT AND PRIMER TO BE APPLIED PER MANUFACTURE'S SPECIFICATIONS.
- 10. SHOP APPLY POWER COAT TO PAINT FINISH TO ALL SURFACES OF SHELTER, BENCH & TRASH RECEPTACLE, TOUCH UP ONLY IN FIELD.
- 11. SHELTER SHALL BE DESIGNED TO MEET ALL AASHTO WIND LOAD REQUIREMENTS.
- 12. CONCRETE PER SECTION 101, EXTERIOR CONCRETE. $f'c = 3500$ psi AT 28 DAYS.

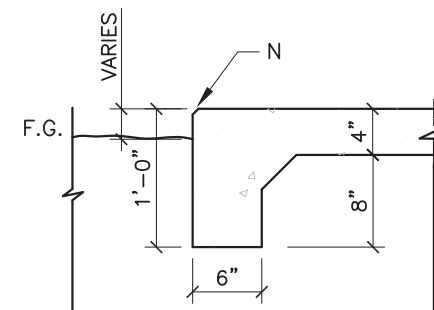
REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'C' CUT SECTION, FILL SECTION
	DWG. 2535.01 JANUARY 2003



PLAN WITH SIDEWALK



ROOF PLAN

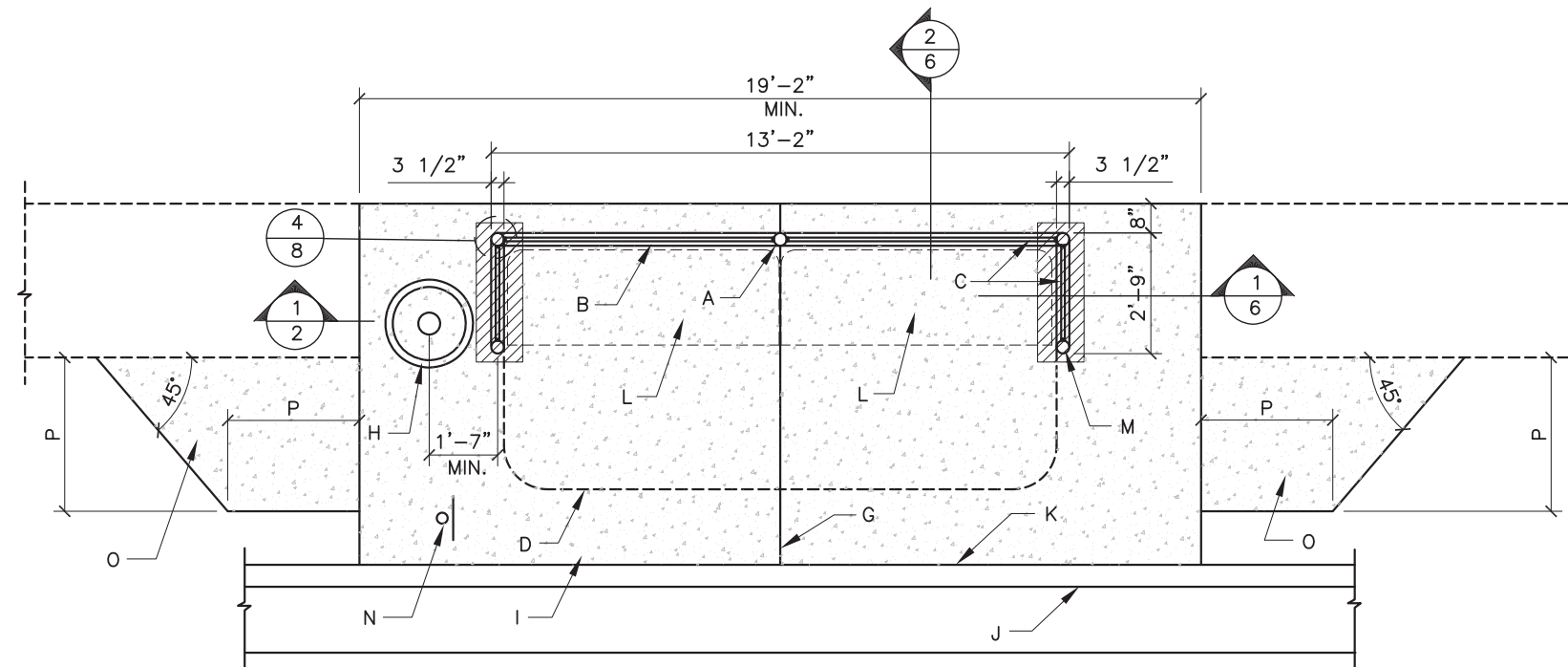


TURN DOWN DETAIL

CONSTRUCTION NOTES:

- A. FRAME 3 1/2" O.D. STEEL PIPE, COPE & WELD PIPE, GRIND SMOOTH.
- B. 2 1/2" O.D. STEEL PIPE COPE & WELD PIPE TO CHASSIS GRIND SMOOTH.
- C. 16 ga. PERFORATED STEEL PANEL, RIVETS OR TEMPER PROOF SCREWS FASTENED AT 8"o.c. TO 1/2" x 1" CHANNEL.
- D. ROOF LINE ABOVE.
- E. ROOF: HIGH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM. FASTEN TO 1/2" x 2" CHANNEL WITH RIVETS OR TEMPER PROOF SCREWS @ 8"o.c. PAINT TO MATCH SHELTER.
- F. OPTIONAL FLUORESCENT DC LIGHT WITH PHOTO VOLTAIC SOLAR COLLECTOR AND BATTERY IN VENTED SECURITY HOUSING. LACOR MODEL SR100 OR EQUAL. LACOR STREET SCAPES, PHOENIX, ARIZONA, (602) 371-3110.
- G. 1/2" EXPANSION JOINT.
- H. TRASH RECEPTACLE (SEE STD. DWG. 2535.10).
- I. 4" SLAB WITH 4x4 - W4.0 WWF, USE 10' DEEP TURNDOWN AT PERIMETER, BROWN FINISH.
- J. EXISTING SIDEWALK & CURB (WIDTH VARIES). (SHADED)
- K. SLOPE SLAB AT 1:50 MATCH ELEVATION OF SIDEWALK.
- L. BENCH (SEE DETAILS, STD. DWG. 2535.09).
- M. THICKENED SLAB (TYP.)
- N. 3/4" CHAMFER EDGE.
- O. R.O.W. VARIES. SHELTER MUST BE CONSTRUCTED WITHIN R.O.W.
- P. BUS STOP SIGN. (TYP.)

REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'C' PLAN & ROOF PLAN (W/ SIDEWALK)
	DWG. 2535.02 JANUARY 2003

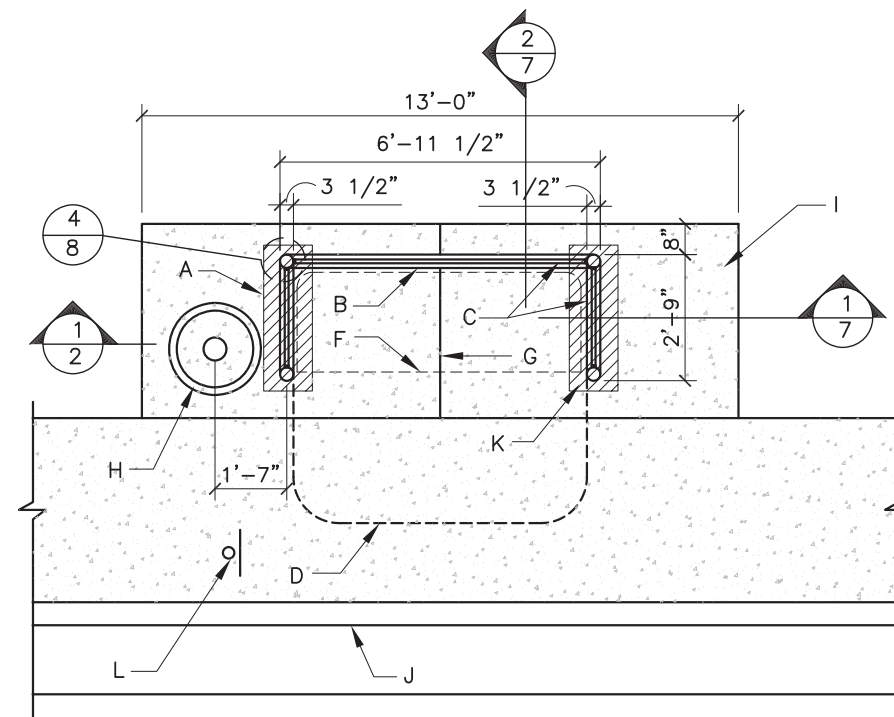


PLAN WITHOUT SIDEWALK (OR SIDEWALK SET BACK FROM CURB)

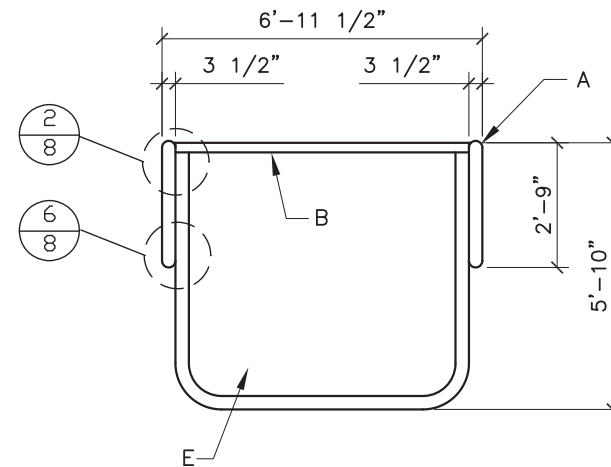
CONSTRUCTION NOTES:

- A. FRAME 3 1/2" O.D. STEEL PIPE, COPE & WELD PIPE, GRIND SMOOTH.
- B. 2 1/2" O.D. STEEL PIPE COPE & WELD PIPE TO CHASSIS, GRIND SMOOTH.
- C. 16 ga. PERFORATED STEEL PANEL, RIVETS OR TEMPER PROOF SCREWS FASTENED AT 8"o.c. TO 1/2" x 1" CHANNEL.
- D. ROOF LINE ABOVE.
- E. (NOT USED)
- F. (NOT USED)
- G. 1/2" EXPANSION JOINT.
- H. TRASH RECEPTACLE (SEE STD. DWG. 2535.10).
- I. 4" SLAB WITH 4x4 - W4.0 WWF, USE 10' DEEP TURNDOWN AT PERIMETER, BROWN FINISH.
- J. EXISTING CURB (SHADED)
- K. MATCH SLOPE OF CURB.
- L. BENCH (SEE STD. DWG. 2535.09).
- M. THICKENED SLAB (TYP.)
- N. BUS STOP SIGN (TYP.)
- O. NEW CONCRETE INFILL IF SIDEWALK IS SET BACK FROM CURB. SIZE AND SHAPE OF INFILL MAY VARY.
- P. MATCH SIDEWALK WIDTH.

REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'C' PLAN (W/O SIDEWALK)
	DWG. 2535.03 JANUARY 2003



PLAN WITH SIDEWALK

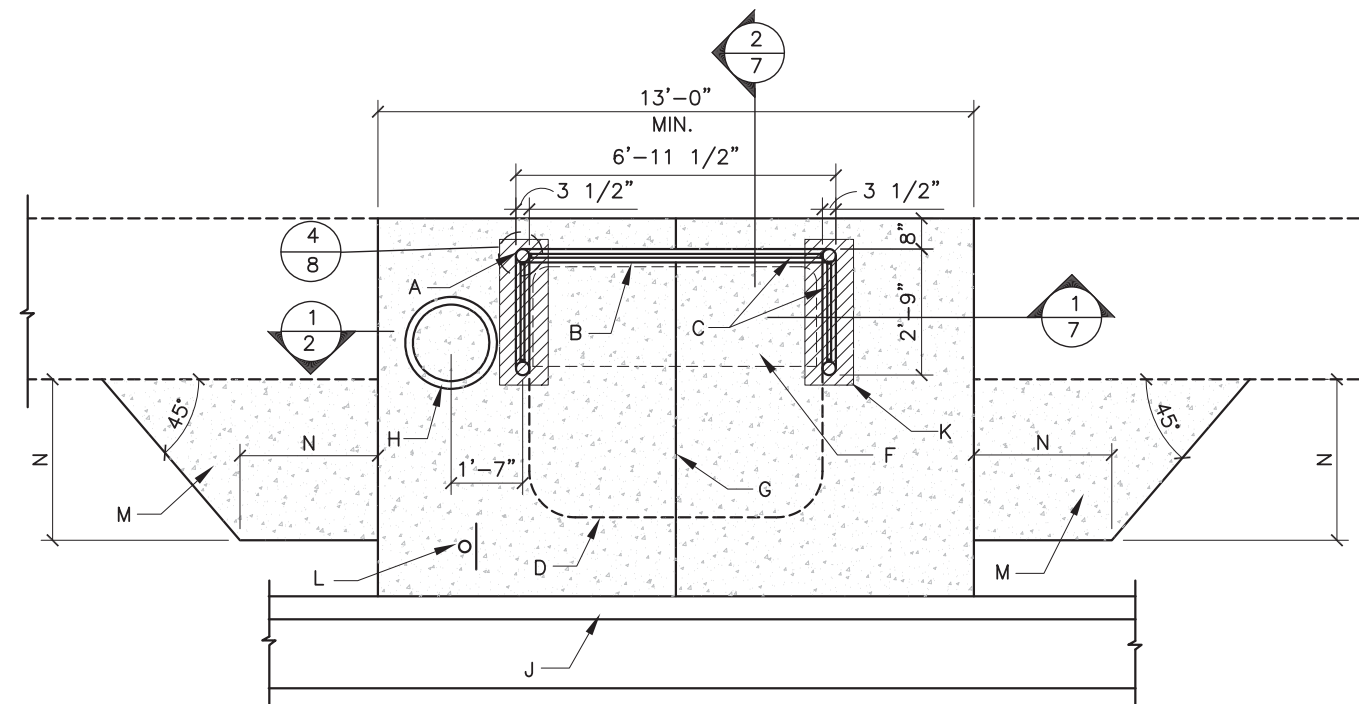


ROOF PLAN

CONSTRUCTION NOTES:

- A. FRAME 3 1/2" O.D. STEEL PIPE, COPE & WELD PIPE, GRIND SMOOTH.
- B. 2 1/2" O.D. STEEL PIPE COPE & WELD PIPE TO CHASSIS, GRIND SMOOTH.
- C. 16 ga. PERFORATED STEEL PANEL, RIVETS OR TEMPER PROOF SCREWS FASTENED AT 8" o.c. TO 1/2" x 1" CHANNEL.
- D. ROOF LINE ABOVE.
- E. ROOF: HIGH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM. FASTEN TO 1/2" x 2" CHANNEL WITH RIVETS OR TAMPER PROOF SCREWS AT 8" o.c. PAINT TO MATCH SHELTER.
- F. BENCH (SEE DETAILS ON STD. DWG. 2535.09).
- G. 1/2" EXPANSION JOINT.
- H. TRASH RECEPTACLE (SEE STD. DWG. 2535.10).
- I. 4" SLAB WITH 4x4 - W4.0 WWF, USE 10' DEEP TURNDOWN AT PERIMETER, BROWN FINISH.
- J. EXISTING CURB & SIDEWALK (SHADED). MATCH SLOPE OF CURB.
- K. THICKENED SLAB. (TYP.)
- L. BUS STOP SIGN. (TYP.)

REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'D' PLAN & ROOF PLAN (W/ SIDEWALK)
	DWG. 2535.04 JANUARY 2003

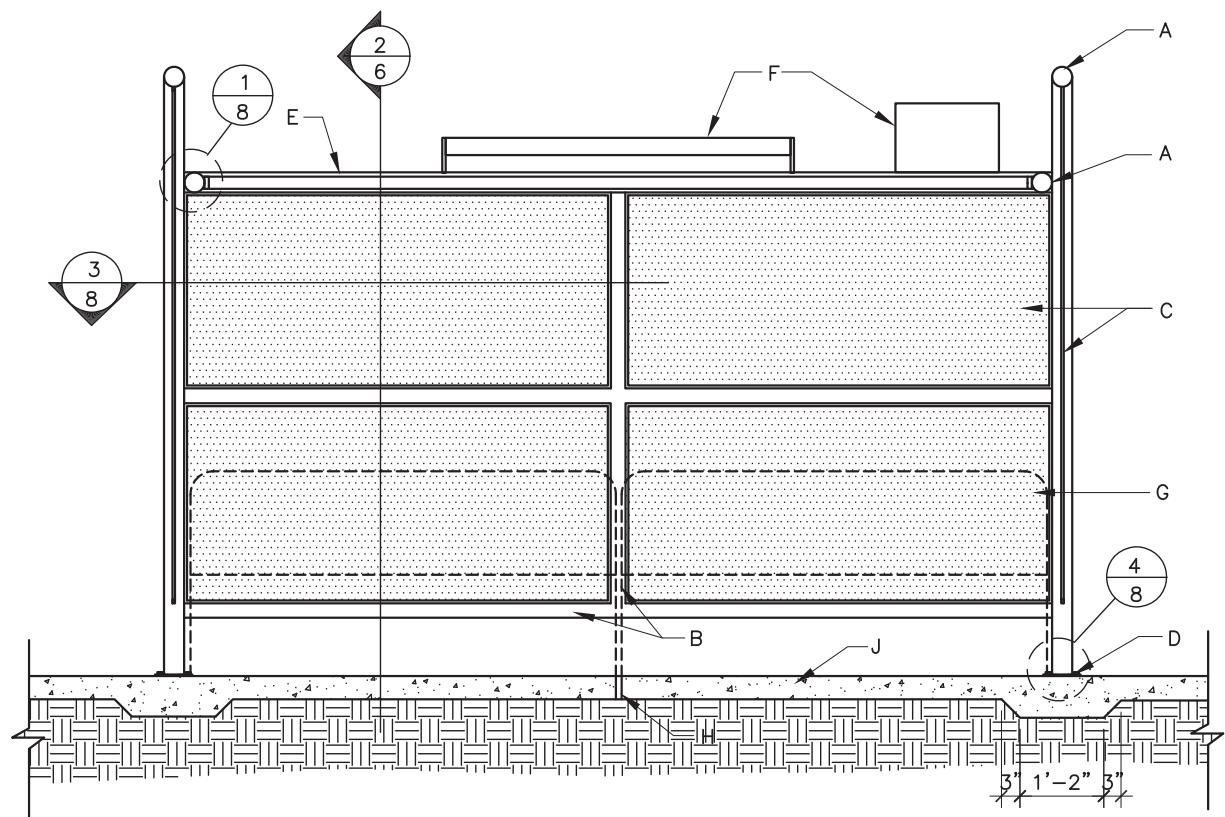


PLAN WITHOUT SIDEWALK (OR SIDEWALK SET BACK FROM CURB)

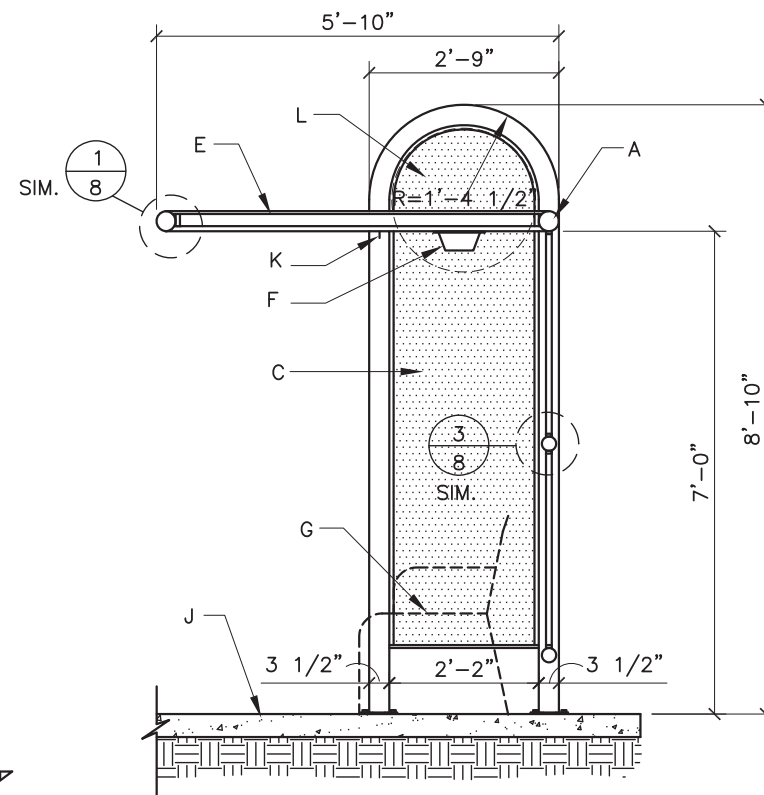
CONSTRUCTION NOTES:

- A. FRAME 3 1/2" O.D. STEEL PIPE, COPE & WELD PIPE, GRIND SMOOTH.
- B. 2 1/2" O.D. STEEL PIPE COPE & WELD PIPE TO CHASSIS, GRIND SMOOTH.
- C. 16 ga. PERFORATED STEEL PANEL, RIVETS OR TEMPER PROOF SCREWS FASTENED AT 8" o.c. TO 1/2" x 1" CHANNEL.
- D. ROOF LINE ABOVE.
- E. ROOF: HIGH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM. FASTEN TO 1/2" x 2" CHANNEL WITH RIVETS OR TAMPER PROOF SCREWS AT 8" o.c. PAINT TO MATCH SHELTER.
- F. BENCH (SEE DETAILS ON STD. DWG. 2535.09).
- G. 1/2" EXPANSION JOINT.
- H. TRASH RECEPTACLE (SEE STD. DWG. 2535.10).
- I. 4" SLAB WITH 4x4 - W4.0 WWF, USE 10' DEEP TURNDOWN AT PERIMETER, BROWN FINISH.
- J. EXISTING CURB. (SHADED).
- K. THICKENED SLAB. (TYP.)
- L. BUS STOP SIGN. (TYP.)
- M. NEW CONCRETE INFILL IF SIDEWALK IS SET BACK FROM CURB. SIZE AND SHAPE OF INFILL MAY VARY.
- N. MATCH SIDEWALK WIDTH.

REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'D' (W/O/ SIDEWALK)
	DWG. 2535.05 JANUARY 2003



1 SECTION

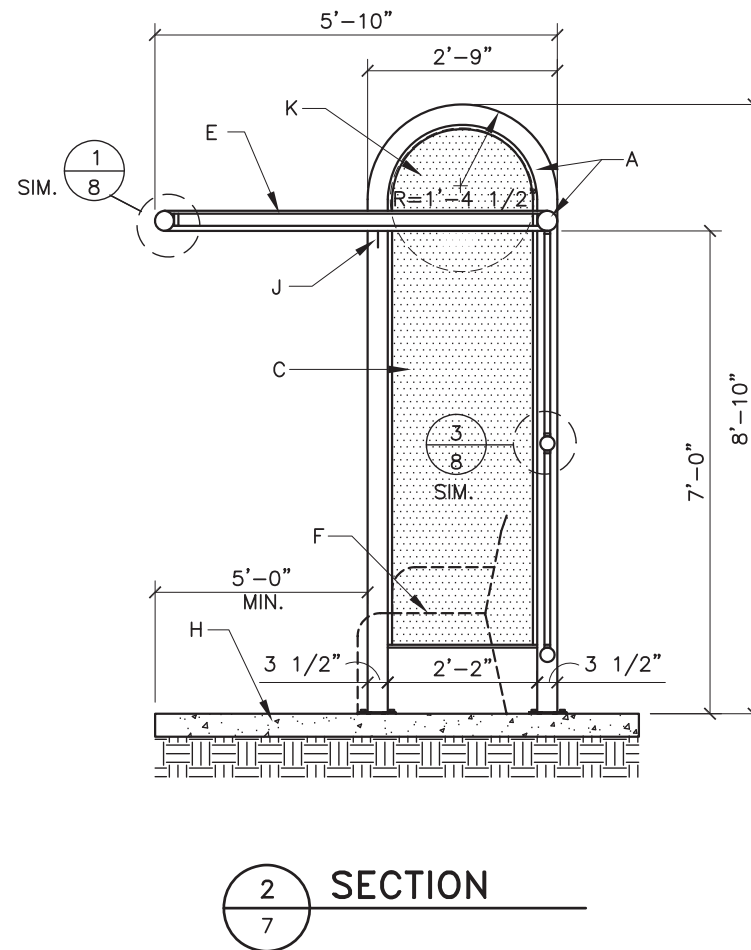
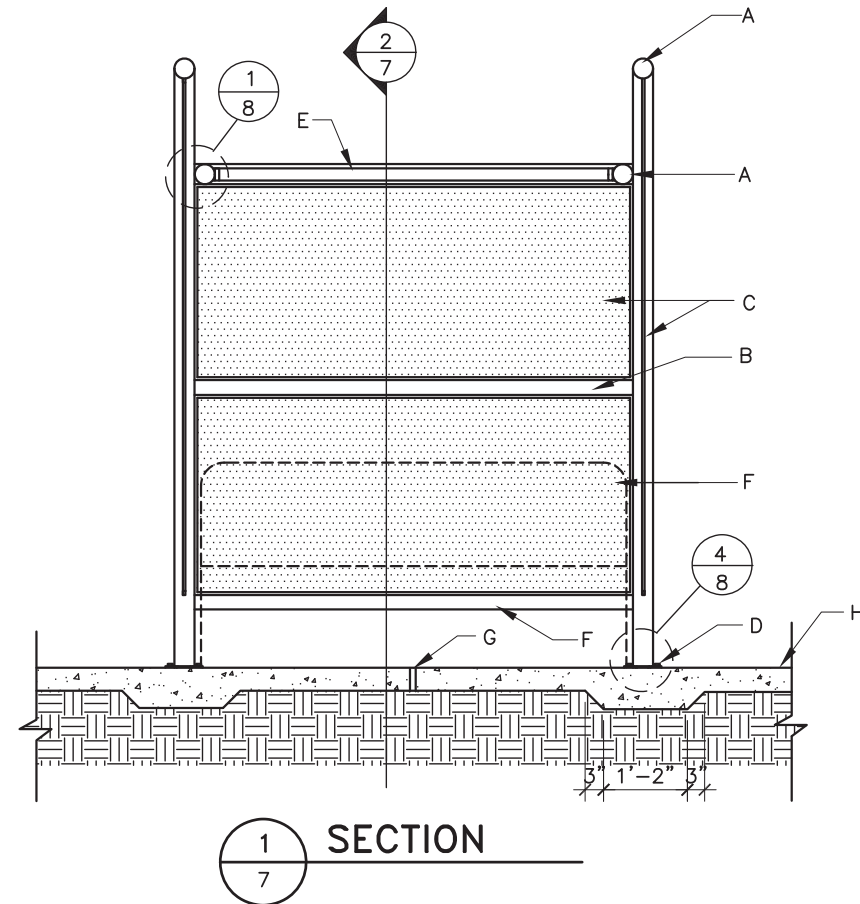


2 SECTION

CONSTRUCTION NOTES:

- A. FRAME 3 1/2" STANDARD STEEL PIPE, COPED WELD PIPE CHASSIS.
- B. 2 1/2" STANDARD STEEL PIPE COPED, WELD PIPE TO CHASSIS.
- C. 16 GA. PERFORATED STEEL PANEL, RIVETS OR TAMPER PROOF SCREWS AT 8" o.c. FASTENED TO 1/2" x 1" CHANNEL.
- D. STEEL ANCHOR PLATE W 1/2" DIAMETER RED HEAD ANCHOR BOLT, SEE DETAIL 4/8.
- E. ROOF: HIGH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM, FASTEN TO 1/2"x2" CHANNEL WITH RIVETS OR TEMPER PROOF SCREWS AT 8" o.c.
- F. OPTIONAL FLUORESCENT DC LIGHT WITH PHOTO VOLTAIC SOLAR COLLECTOR AND BATTERY IN VENT SECURITY HOUSING LACOR MODEL NO. SR100 OR EQUAL. LACOR STREET SCAPES, PHOENIX, ARIZONA, (602) 371-3110.
- G. BENCH (SEE DETAILS ON ST. DWG. 2535.09).
- H. 1/2" EXPANSION JOINT.
- J. 4" SLAB WITH 4X4 - W4.0xW4.0 WWF, USE 10" DEEP TURNDOWN AT PERIMETER, BROOM FINISH.
- K. 1/2" STEEL BRACKET, WELD TO PIPE FRAME, GRIND SMOOTH.
- L. 16 GA. SHEET METAL PANEL (BEYOND). ATTACH WITH RIVETS OR TAMPER PROOF SCREWS (8 PER PANEL).

REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'C' ELEVATION / SHELTER
	DWG. 2535.06 JANUARY 2003



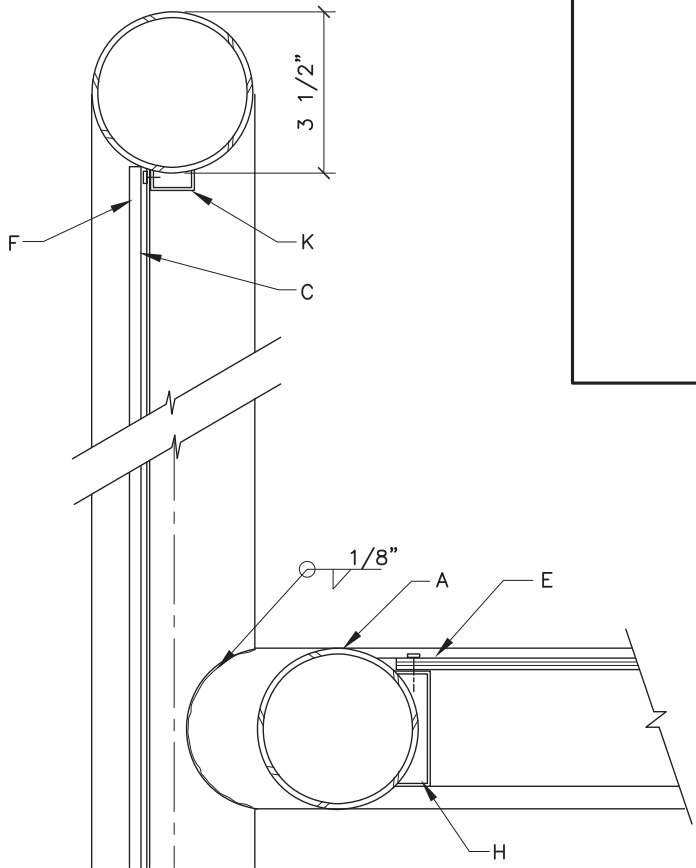
CONSTRUCTION NOTES:

- FRAME 3 1/2" STANDARD STEEL PIPE, COPED WELD PIPE CHASSIS.
- 2 1/2" STANDARD STEEL PIPE COPED, WELD PIPE TO CHASSIS.
- 16 GA. PERFORATED STEEL PANEL, RIVETS OR TAMPER PROOF SCREWS AT 8" o.c. FASTENED TO 1/2" x 1" CHANNEL.
- STEEL ANCHOR PLATE W 1/2" DIAMETER RED HEAD ANCHOR BOLT, SEE DETAIL 4/8.
- ROOF: HIGH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM, FASTEN TO 1/2"x2" CHANNEL WITH RIVETS OR TEMPER PROOF SCREWS AT 8" o.c.
- BENCH (SEE DETAILS ON STD. DWG. 2535.09).
- 1/2" EXPANSION JOINT.
- 4" SLAB WITH 4X4 - W4.0xW4.0 WWF, USE 10" DEEP TURNDOWN AT PERIMETER, BROOM FINISH.
- 1/2" STEEL BRACKET, WELD TO PIPE FRAME, GRIND SMOOTH.
- 16 GA. SHEET METAL PANEL (BEYOND). ATTACH WITH RIVETS OR TAMPER PROOF SCREWS (8 PER PANEL).

REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'D' ELEVATION / SECTION
	DWG. 2535.07 JANUARY 2003

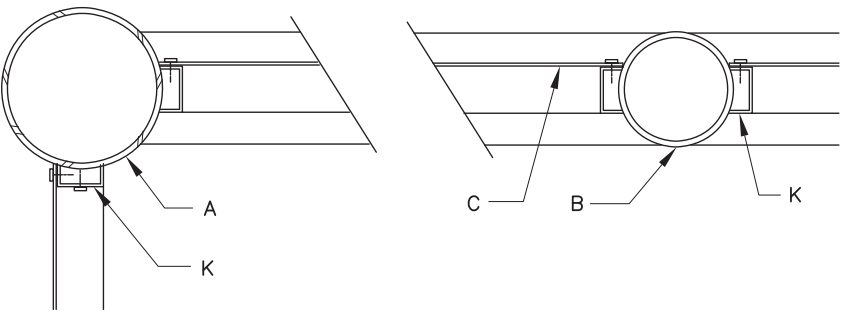
CONSTRUCTION NOTES:

- A. FRAME 3" SCHEDULE 40 STANDARD STEEL PIPE, COPE & WELD PIPE CHASSIS.
- B. 2" SCHEDULE 40 STANDARD STEEL PIPE, COPE & WELD PIPE TO CHASSIS.
- C. 16 GA. PERFORATED STEEL PANEL, RIVET OR SCREWS AT 8" o.c. TO 1/2" x 1" CHANNEL.
- D. 1/4" STEEL ANCHOR PLATE W 1/2" ANCHOR BOLTS.
- E. ROOF HIGH STRENGTH F.R.P. SMOOTH SURFACE TOP AND BOTTOM, FASTEN TO 1/2" x 2" CHANNEL WITH RIVETS FOR TAMPER PROOF SCREWS AT 8" o.c.
- F. 16 ga. SHEET METAL SOLID END PANEL ATTACH TO CHANNELS WITH RIVETS OR TAMPER PROOF SCREWS (8 PER PANEL).
- G. CORROSION RESISTANT 1/2"Øx 3 1/2" REDHEAD BOLTS (TYP.)
- H. 2" x 1/2" x 1/4" CHANNEL WELD TO PIPE FRAME GRIND SMOOTH.
- I. 1/4" STEEL BRACKET WELD TO PIPE FRAME GRIND SMOOTH.
- J. CONCRETE SLAB.
- K. 1" x 1/2" x 1/4" CHANNEL WELD TO PIPE GRIND SMOOTH.



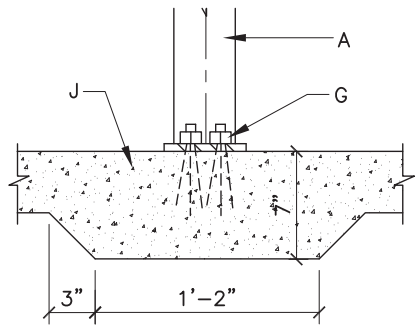
1
8

DETAIL



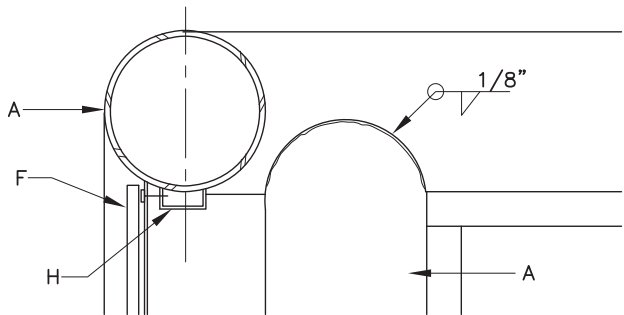
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DETAIL



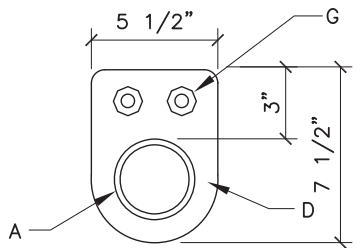
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DETAIL



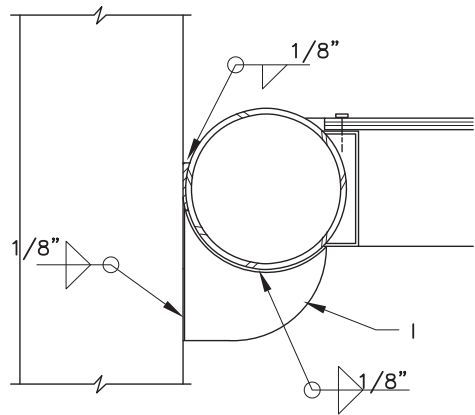
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DETAIL



5
8

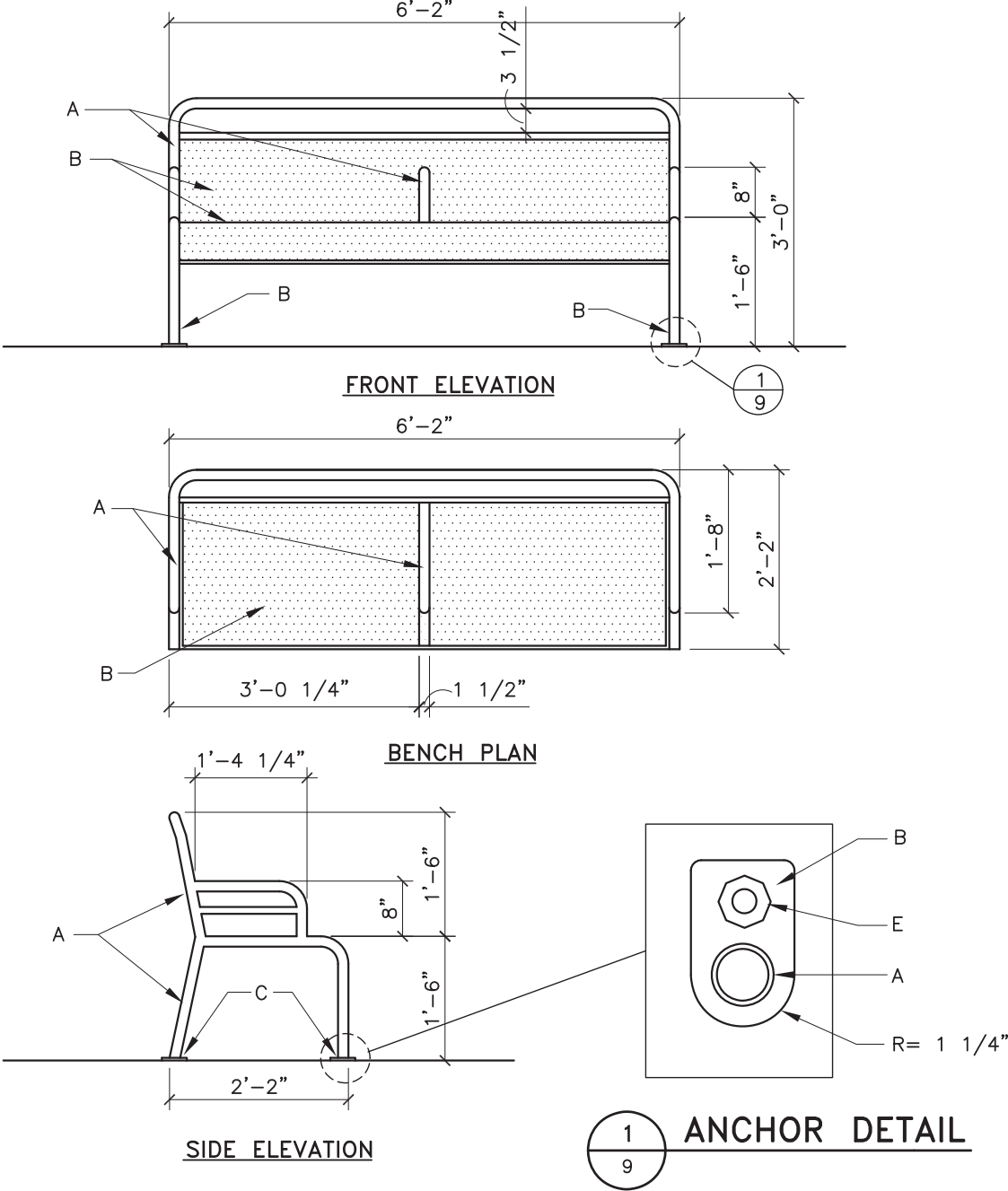
DETAIL



6
8

DETAIL

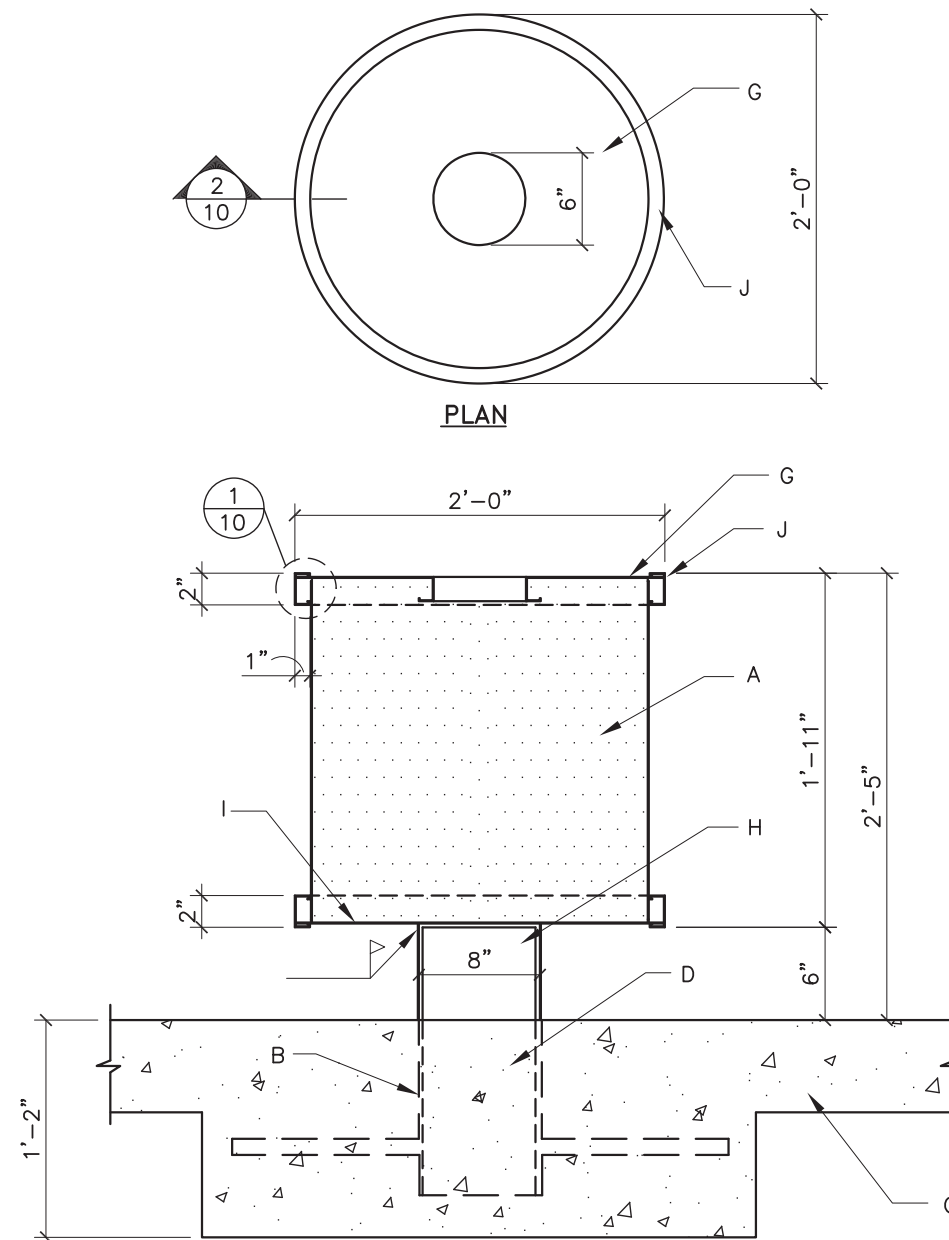
REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'C' & 'D' DETAILS
	DWG. 2535.08 JANUARY 2003



CONSTRUCTION NOTES:

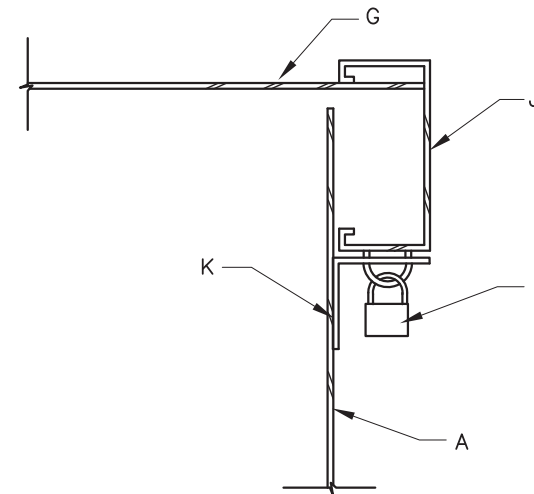
- A. BENCH FRAME: 1-1/2" O.D. COPED, WELDED PIPE CHASSIS PAINT FINISH.
- B. 10 GA. PERFORATED STEEL AND WELD PIPE.
- C. WELDED 3/8" STEEL FOOTING PLATES WITH HOLES FOR 1/2" DIAMETER ANCHOR BOLTS.
- D. 1/4" THICK BASE PLATE.
- E. 1/2" DIA. x 3 1/2" RED HEAD BOLTS.

REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'C' & 'D' BENCH
	DWG. 2535.09 JANUARY 2003



PLAN

SECTION

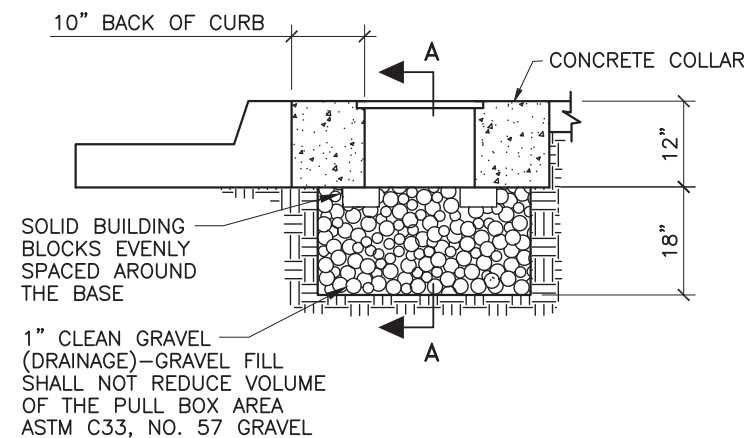


HASP DETAIL

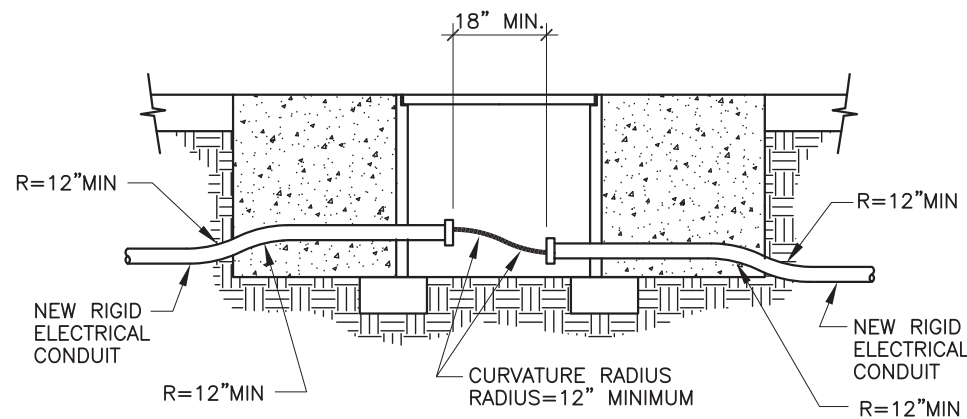
CONSTRUCTION NOTES:

- A. TRASH RECEPTACLE 16 GA. PERFORATED STEEL WITH 8" O.D. PIPE PEDESTAL PAINT FINISH.
- B. ANCHORING: 1 HOLE FOR 1/2" x 24" ϕ ROD THROUGH BOTTOM OF PEDESTAL.
- C. NEW CONCRETE SLAB.
- D. 1/4" ϕ ANCHORS (2) WELD TO x 6' PEDESTAL.
- E. LIQUID APPLIED WATER PROOFING ON ALL BELOW GRADE STEEL.
- F. PADLOCK HASP.
- G. REMOVABLE TOP 16 GA. STEEL POWDER COATING FINISH.
- H. 8" PEDESTAL W/ 1/2"x6"x24" ANCHOR BAR WELD TO PEDESTAL.
- I. 10 GA. SOLID BOTTOM WELD TO PEDESTAL.
- J. 2" x 1" STEEL CHANNEL FRAME AT TOP AND BOTTOM.
- K. 2"x2"x1/4" STEEL ANGLE. WELD TO PERFORATED STEEL LINER.

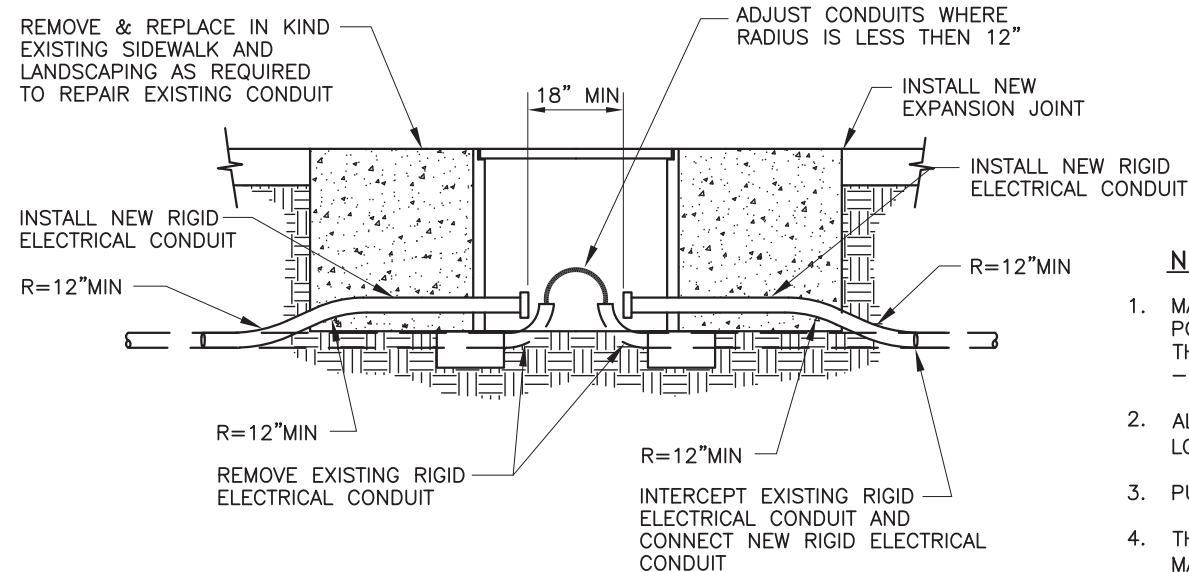
REVISIONS	CITY OF ALBUQUERQUE
	BUS SHELTER 'C' & 'D' TRASH RECEPTACLE
	DWG. 2535.10 JANUARY 2003



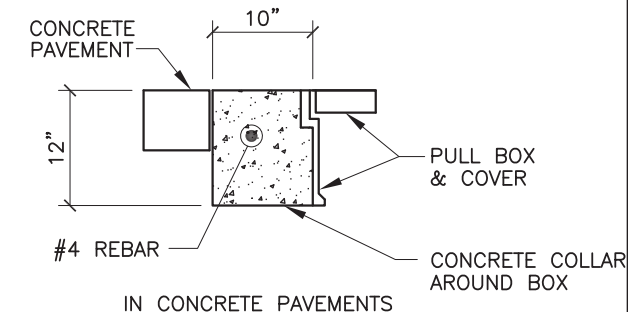
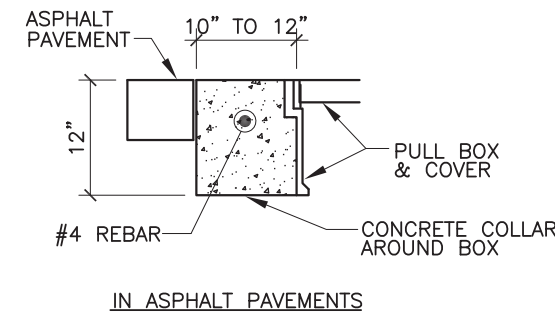
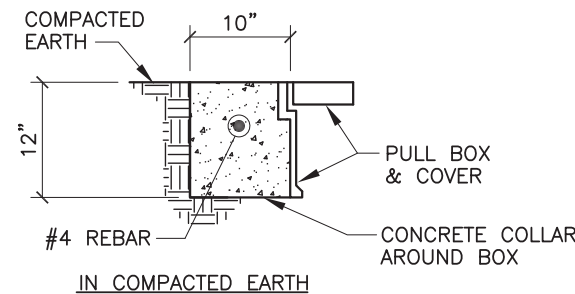
TYPICAL PULL BOX INSTALLATION
NOTE: SEE CONCRETE COLLAR DETAILS, THIS SHEET



**TRAFFIC SIGNAL PULL BOX (TYPICAL)
NEW CONDUIT INSTALLATION**

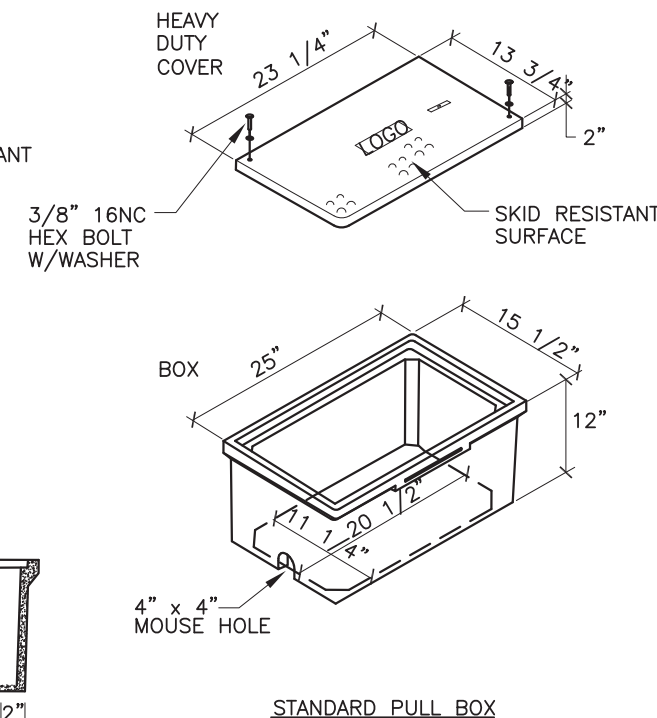
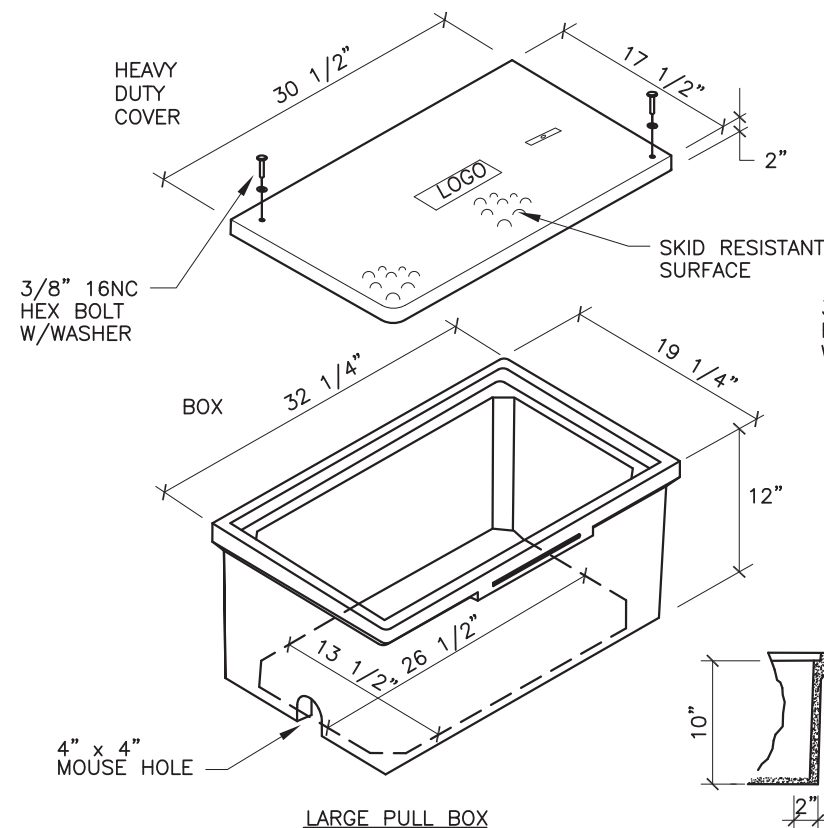


TRAFFIC SIGNAL PULL BOX (TYPICAL)



CONCRETE COLLAR DETAILS

- NOTES: 1. THE CONCRETE IN THE COLLAR SHALL BE PER SEC. 101, EXTERIOR CONCRETE, $f'_c=3500$ PSI AT 28 DAYS.
2. THE CONCRETE COLLAR SHALL BE CONSIDERED INCIDENTAL TO THE PULL BOX BID ITEMS.

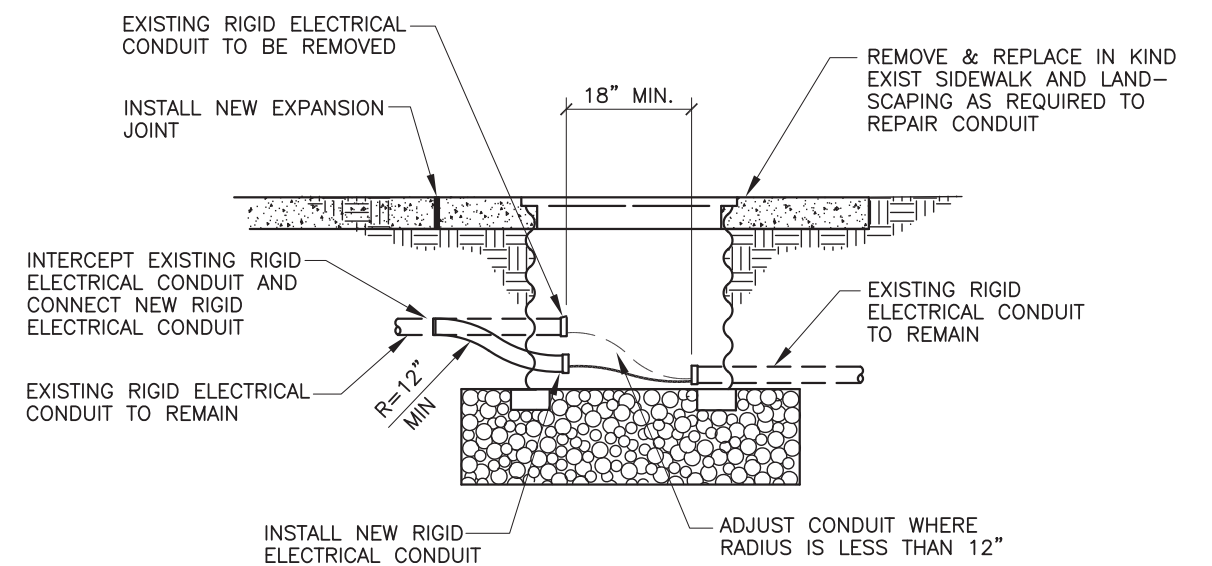
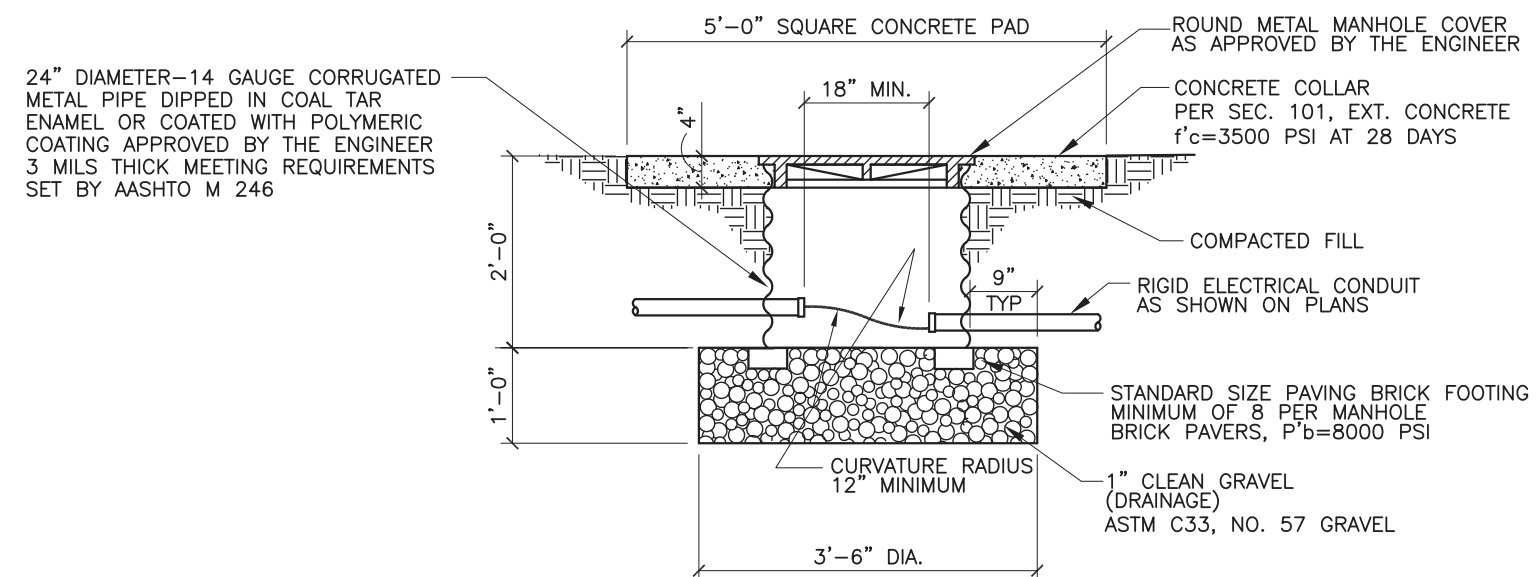


PULL BOX DETAILS

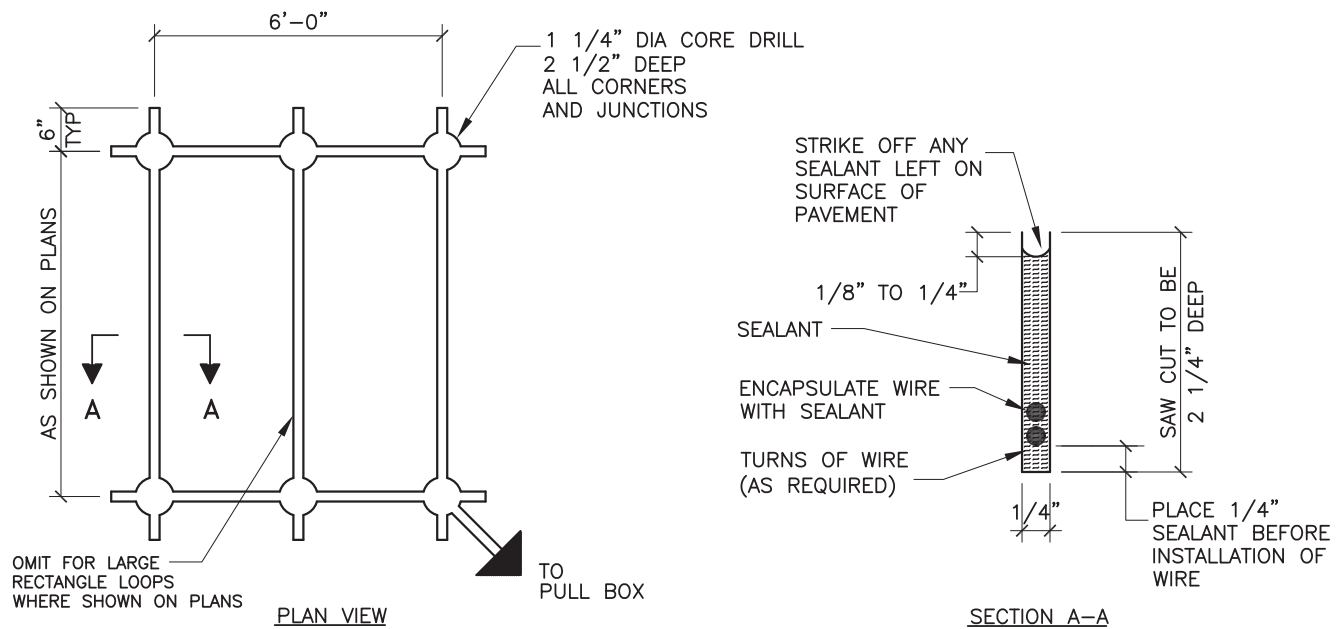
NOTES FOR HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVERS

1. MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH CONTINUOUS WOVEN GLASS STRANDS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES: COMPRESSIVE STRENGTH - 11,000 PSI, TENSILE STRENGTH - 1,700 PSI, FLEXURAL STRENGTH - 7,500 PSI.
2. ALL PULL BOX COVERS SHALL BE HEAVY DUTY REINFORCED POLYMER MORTAR, HAVING A SERVICE LOAD OF 22,568 LBS OVER 10" SQUARE (225 PSI).
3. PULL BOX TYPE AND LOGO SHALL BE APPROVED BY THE PROJECT MANAGER.
4. THE DIMENSIONS OF THE PULL BOXES SHOWN ARE NOMINAL DIMENSIONS AND MAY VARY AS TO THE MANUFACTURER'S RECOMMENDATIONS. ALL DIMENSIONS SHALL BE VERIFIED BY THE PROJECT MANAGER.
5. ELECTRICAL PULL BOX (STANDARD) SHALL BE A HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVER MEASURING 13 3/4" x 23 1/4" x 2".

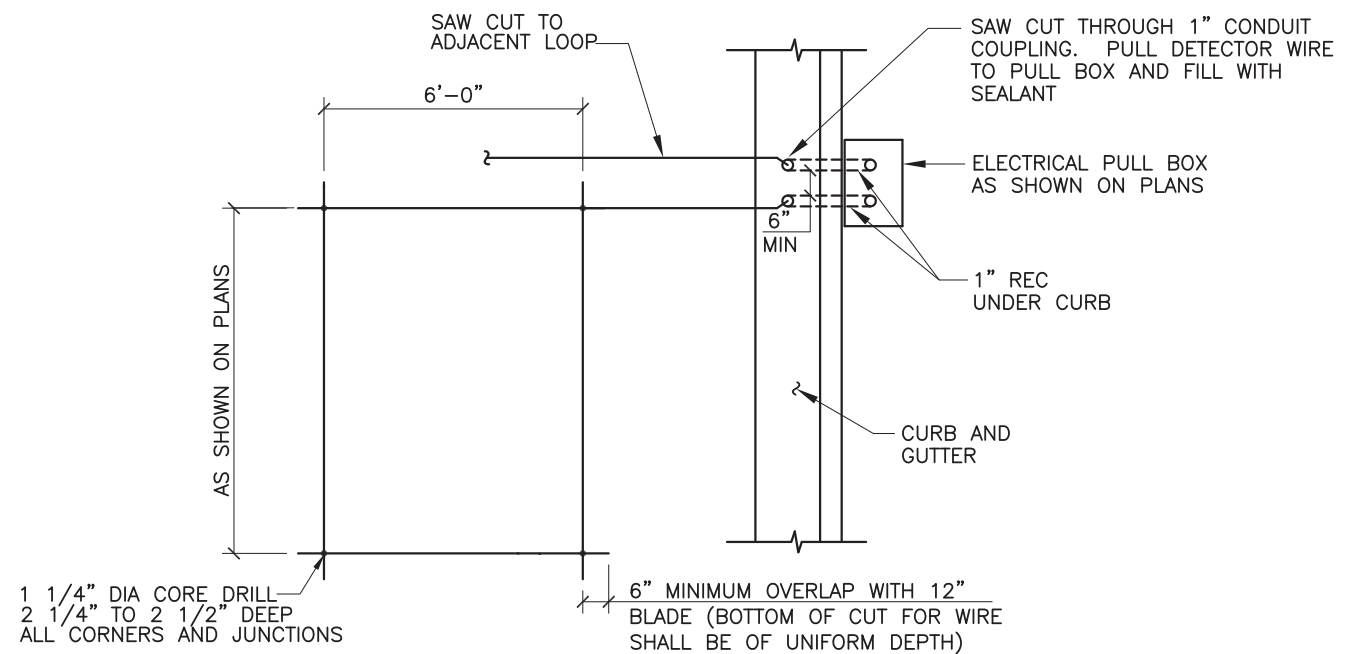
REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL PULL BOX DETAILS
	DWG. 2550 JANUARY 2003



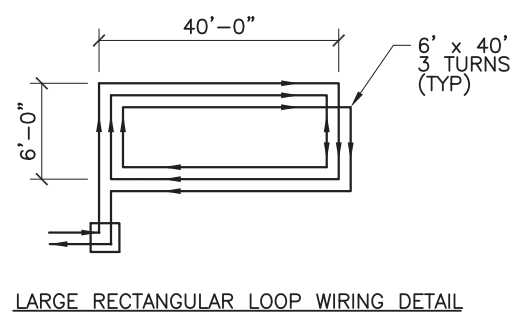
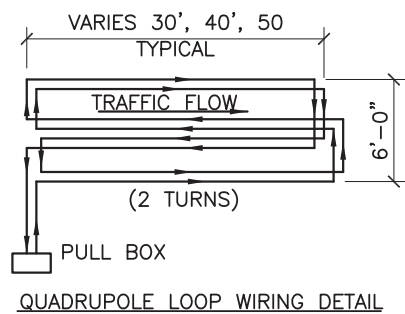
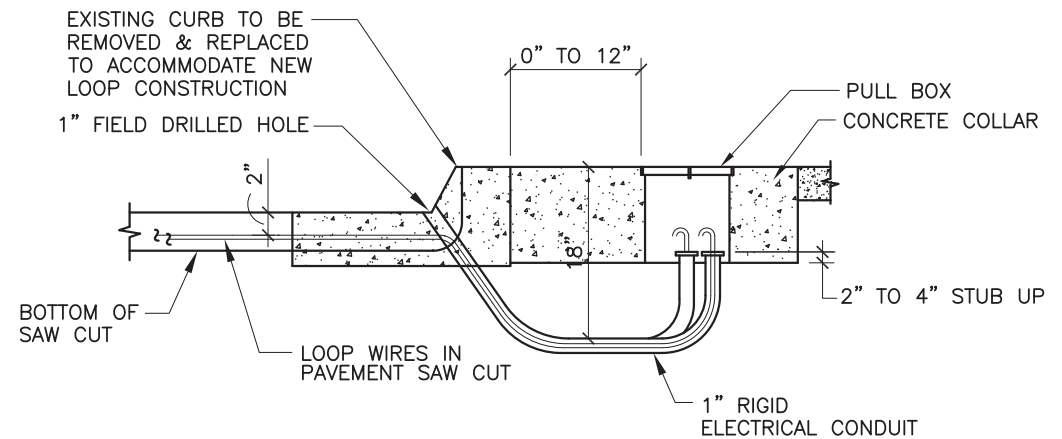
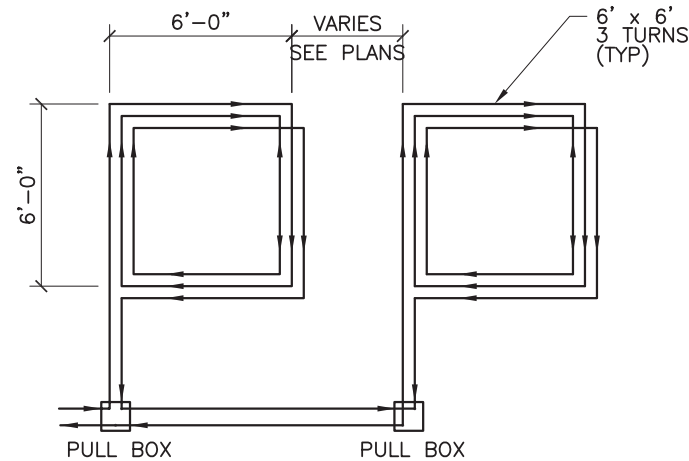
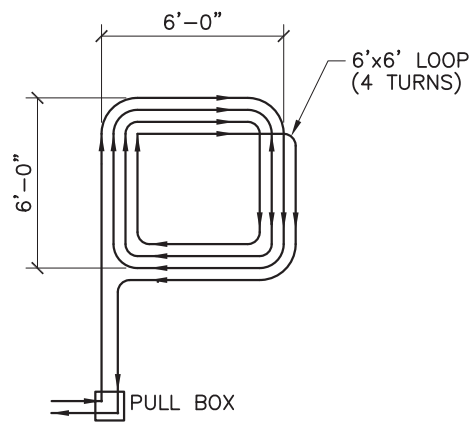
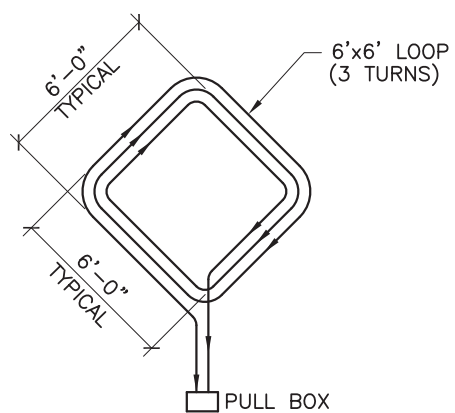
REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL MANHOLE DETAILS
	DWG. 2551 JANUARY 2003



TYPICAL ROADWAY LOOP SAW CUT DETAIL



PLAN VIEW



TYPICAL LOOP WIRE PLACEMENT DETAILS

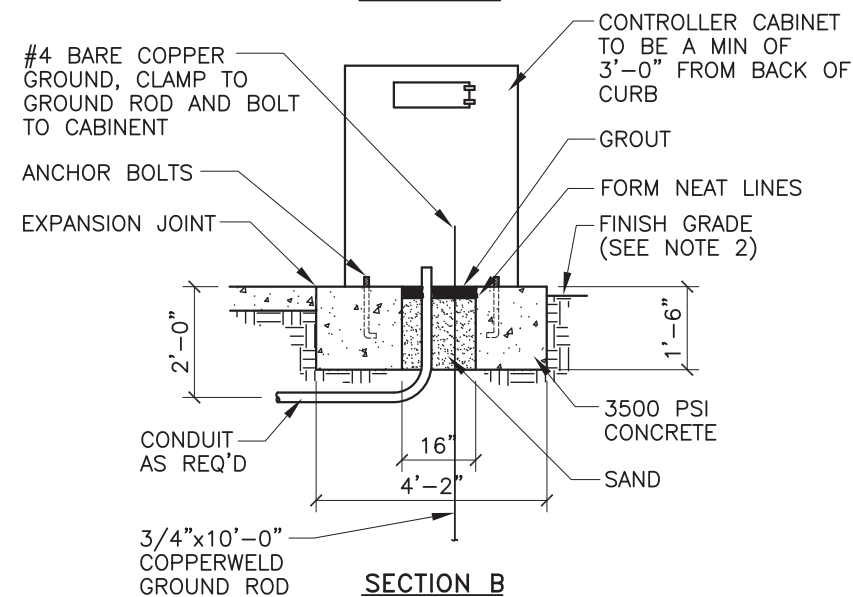
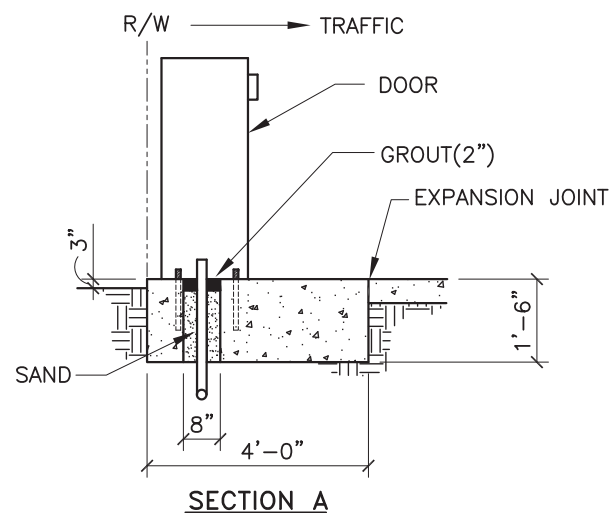
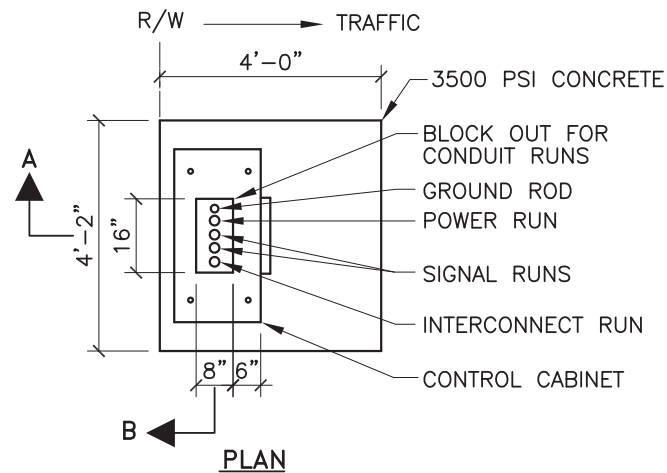
LOOP DETECTOR NOTES

1. ALL LOOP DETECTOR WIRE SHALL BE #14 AWG STRANDED COPPER WIRE WITH CROSS-LINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF IMSA SPECIFICATIONS #51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE PLACED OVER THE WIRE AT THE SAW CUT CORNERS TO HOLD THE WIRE. A 1/4" LAYER OF SEALANT SHALL BE PLACED IN THE SAW CUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFCO SHALL BE AN ACCEPTABLE SEALANT ALTERNATE.
2. ALL LOOP LEAD IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY. EACH CABLE BY LOOP AND PHASE NUMBER.
3. GROUND LOOP LEAD IN CABLE SHIELDING IN CONTROL CABINET.
4. SEPARATE 1" RIGID ELECTRICAL CONDUITS ARE REQUIRED FOR EACH PAIR OF DETECTOR WIRES.

NOTES

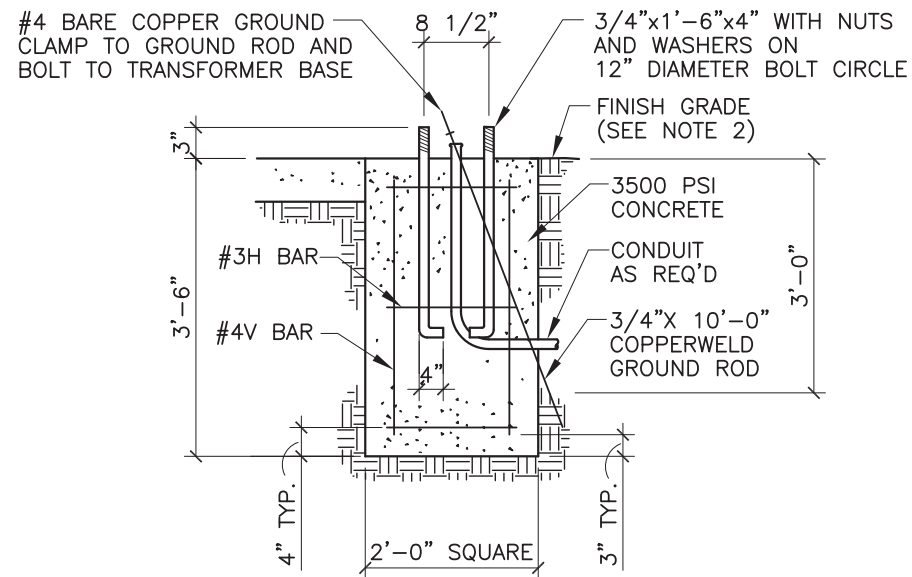
1. WIRES MUST BE WOUND IN THE DIRECTION SHOWN.
2. QUADRUPOLE LOOPS SHALL HAVE 2 TURNS.
3. EXTEND CALL LOOPS SHALL HAVE 3 TURNS.
4. SYSTEM DETECTOR LOOPS SHALL HAVE 4 TURNS.
5. LARGE RECTANGLE LOOPS SHALL HAVE 3 TURNS.

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL LOOP DETECTOR DETAILS
	DWG. 2552 JANUARY 2003

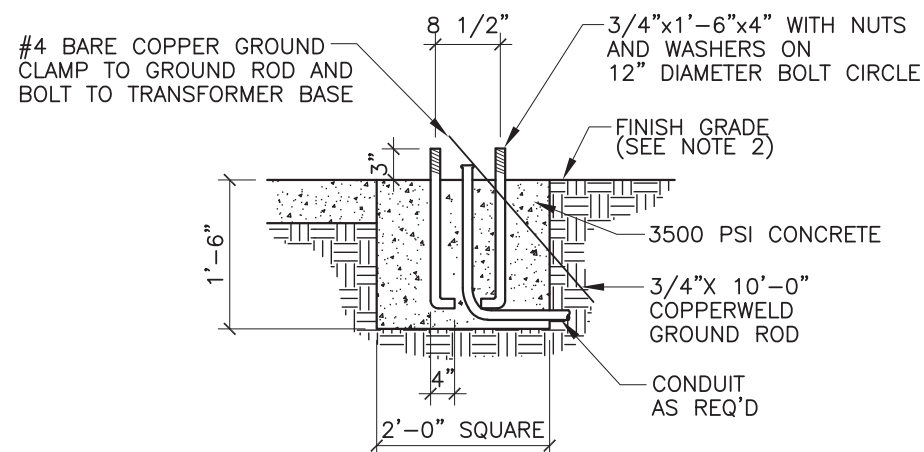


CONTROLLER FOUNDATION DETAIL

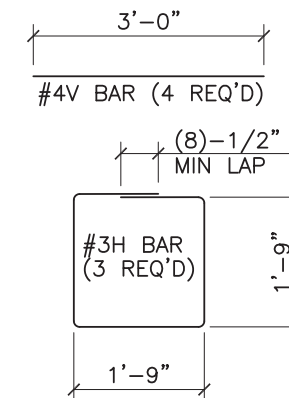
IN THE EVENT THE SUPPLIED CABINET WOULD OVERLAP THE SIDES OF ABOVE FOUNDATION, THE FOUNDATION SHALL BE INCREASED IN SIZE AS DIRECTED BY THE ENGINEER.



PEDESTAL FOUNDATION DETAIL



SPLICE CABINET FOUNDATION DETAIL



REINFORCING STEEL

TRAFFIC SIGNAL FOUNDATION NOTES

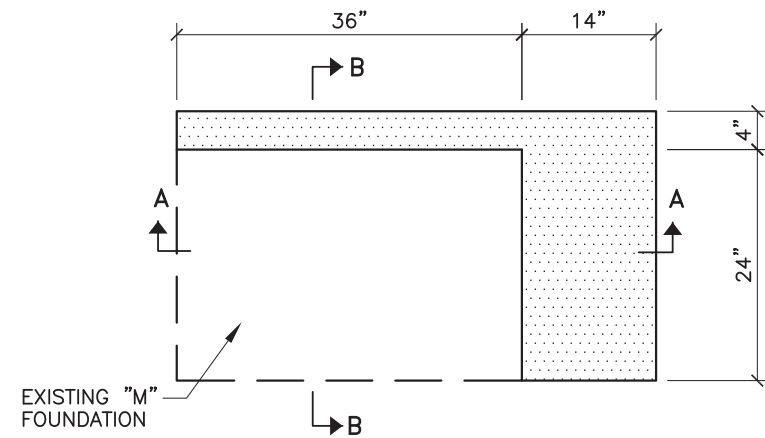
1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4"Ox10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATION BID ITEMS.
2. FINISHED GRADE FOR ALL FOUNDATIONS TO BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. FOUNDATIONS MAY BE SLOPED TO MATCH SIDEWALKS. SLOPES SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.
3. TOP 6" OF FOUNDATIONS MUST BE FORMED.
4. CONCRETE PER SEC. 101, EXTERIOR CONCRETE $f'_c=3500$ PSI AT 28 DAYS.

ESTIMATED QUANTITIES

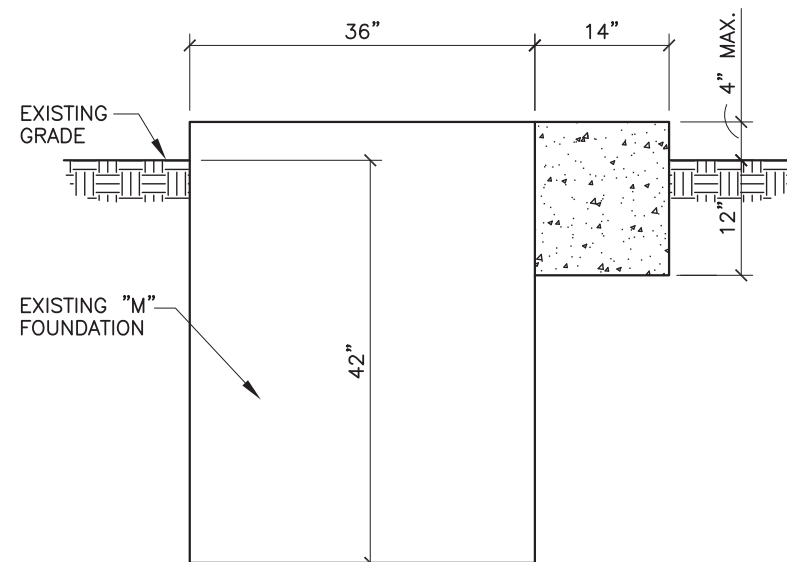
FOUNDATION TYPE	3500 PSI CONCRETE CU YD	REINFORCING BARS POUNDS
PEDESTAL FOUNDATION	0.52	17
CONTROLLER FOUNDATION (TYPE M & P)	0.88	--
SPLICE CABINET FOUNDATION	0.13	--

(FOR CONTRACTORS INFORMATION ONLY)

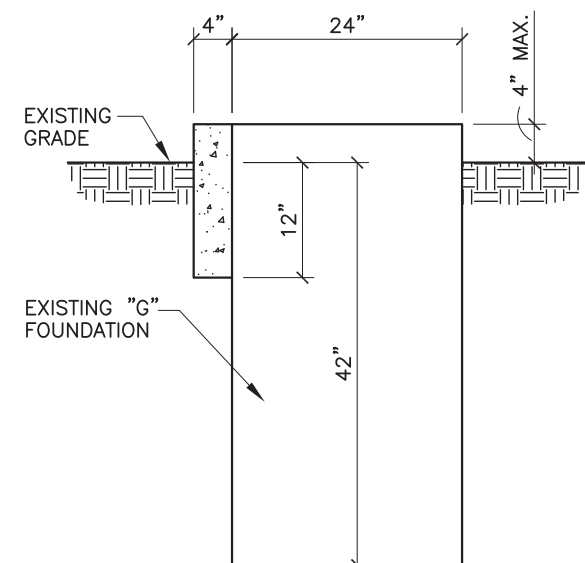
REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL CONTROLLER CABINET & PEDESTAL FOUNDATION DETAILS DWG. 2555 JANUARY 2003



PLAN

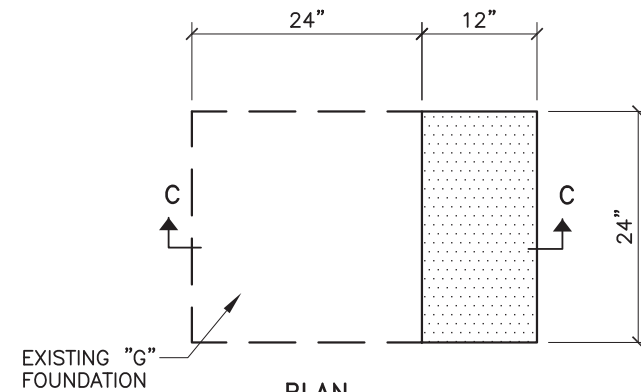


SECTION A-A

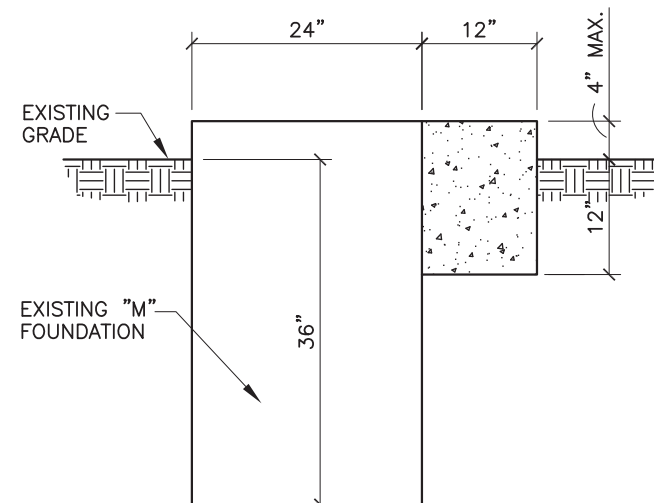


SECTION B-B

EXISTING "G" OR "M" CABINET
CONVERSION TO NEW "P" CABINET

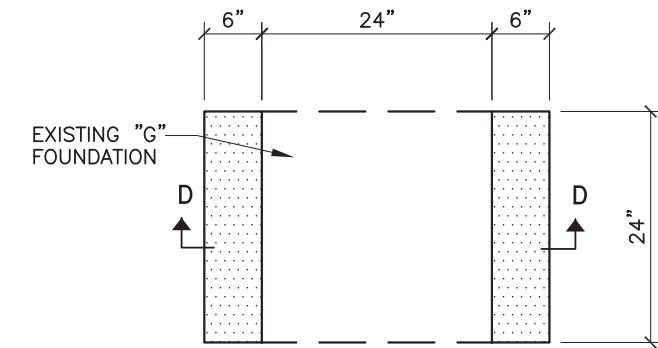


PLAN

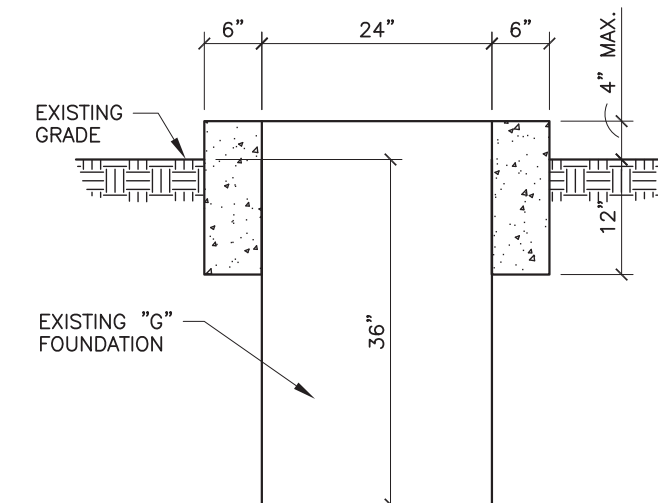


SECTION C-C

EXISTING "G" CABINET
CONVERSION TO NEW "M" CABINET



PLAN



SECTION D-D

EXISTING "G" CABINET
CONVERSION TO NEW "M" CABINET

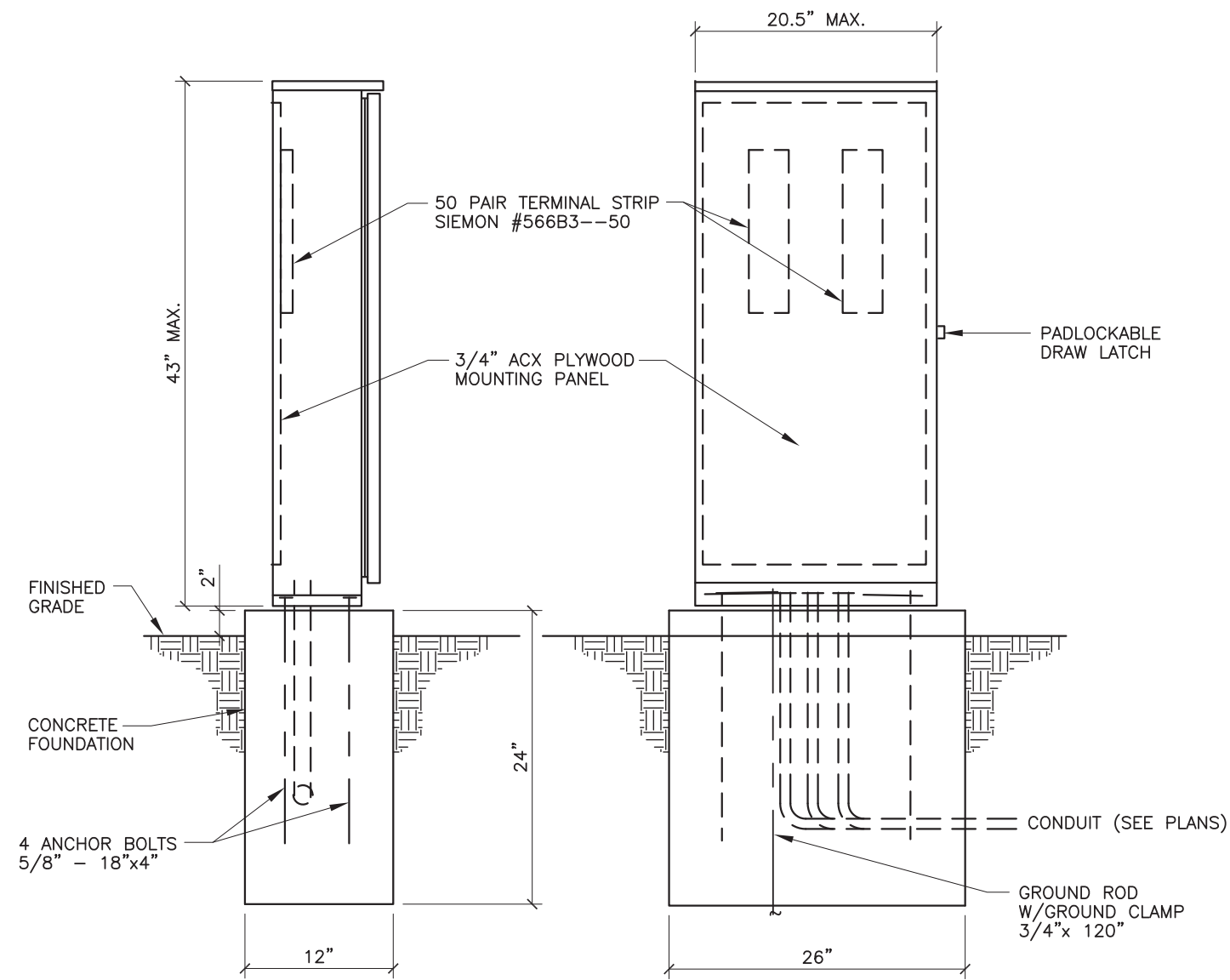
ESTIMATED QUANTITIES FOR NEW FOUNDATION MODIFICATIONS

CABINET	SIZE	511000 STRUCTURAL CONCRETE CLASS A
CONVERTING G CABINET TO "M" CABINET	24"x24"x36"(EXISTING) 12"x24"x12" (NEW)	0.075 CY
CONVERTING "G"OR"M" CABINET TO "P" CABINET	24"x24"x36"(EXISTING) 14"x28"x12" (NEW) 4"x36"x12" (NEW)	0.138 CY
NEW "M" CABINET	12"x36"x42" (NEW)	0.78 CY
NEW "P" CABINET	28"x50"x42" (NEW)	1.26 CY

NOTES:

- CONCRETE PER SEC. 101,
EXTERIOR CONCRETE
f'c=3500 PSI AT 28 DAYS.

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL CABINET FOUNDATION CONVERSION
	DWG. 2556 JANUARY 2003



LEFT SIDE

FRONT VIEW

BASE PLAN

CONSTRUCTION MATERIALS AND FINISH

<input type="checkbox"/>	12 GA HD GALVANIZED SHEET STEEL
<input type="checkbox"/>	POWDER COATED
<input type="checkbox"/>	14 GA #304D STAINLESS STEEL SHEET
<input type="checkbox"/>	POWDER COATED COLOR:
<input type="checkbox"/>	NATURAL
<input type="checkbox"/>	0.125" ALUMINUM SHEET
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<input type="checkbox"/>	ANODIZED

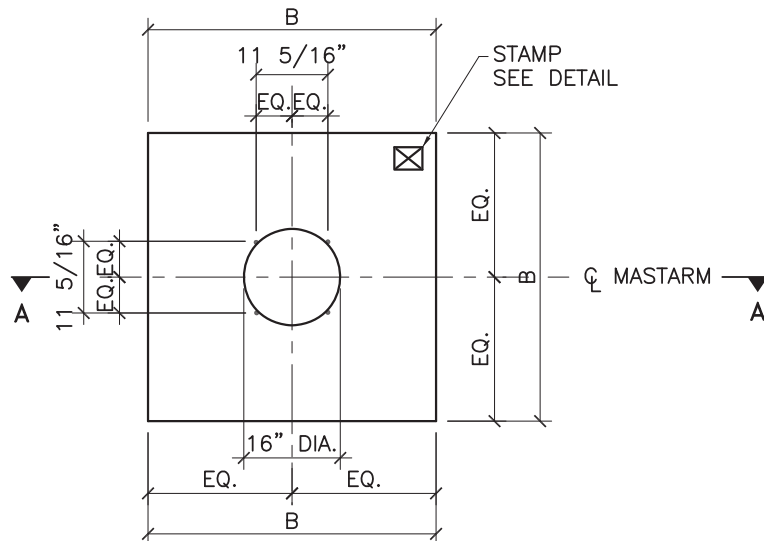
POWDER COAT COLORS

<input type="checkbox"/> WHITE	<input type="checkbox"/> RANCH GREEN
<input type="checkbox"/> MINT GREEN	<input type="checkbox"/> OTHER
<input type="checkbox"/> CAMEL	

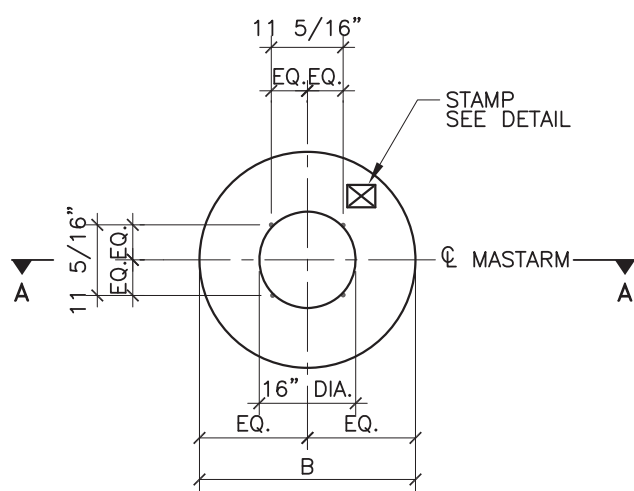
SPLICE CABINET CONSTRUCTION NOTES

- SPLICE CABINET SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
- CONSTRUCTION SHALL BE NEMA 3R AND 12, RAIN TIGHT AND DUST TIGHT. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- NUTS, BOLTS, AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF SPLICE CABINET.
- PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
- ALL POWDER COATED CABINETS SHALL HAVE A CORROSION RESISTANT COATING WHICH INCLUDES A FIVE STEP DIP TANK METAL PREPARATION PROCESS:
 - ALKALINE CLEANER 160° F.
 - CLEAR WATER RINSE.
 - IRON PHOSPHATE APPLICATION 150°.
 - CLEAR WATER RINSE.
 - INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES 120°.
 FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED @ 380° TO CURE.
- FOUNDATIONS, INCLUDING EXCAVATION, CONCRETE AND ANCHOR BOLTS, COMPLETE IN PLACE AND BACK FILLED, SHALL BE CONSIDERED INCIDENTAL TO THE SPLICE CABINET.

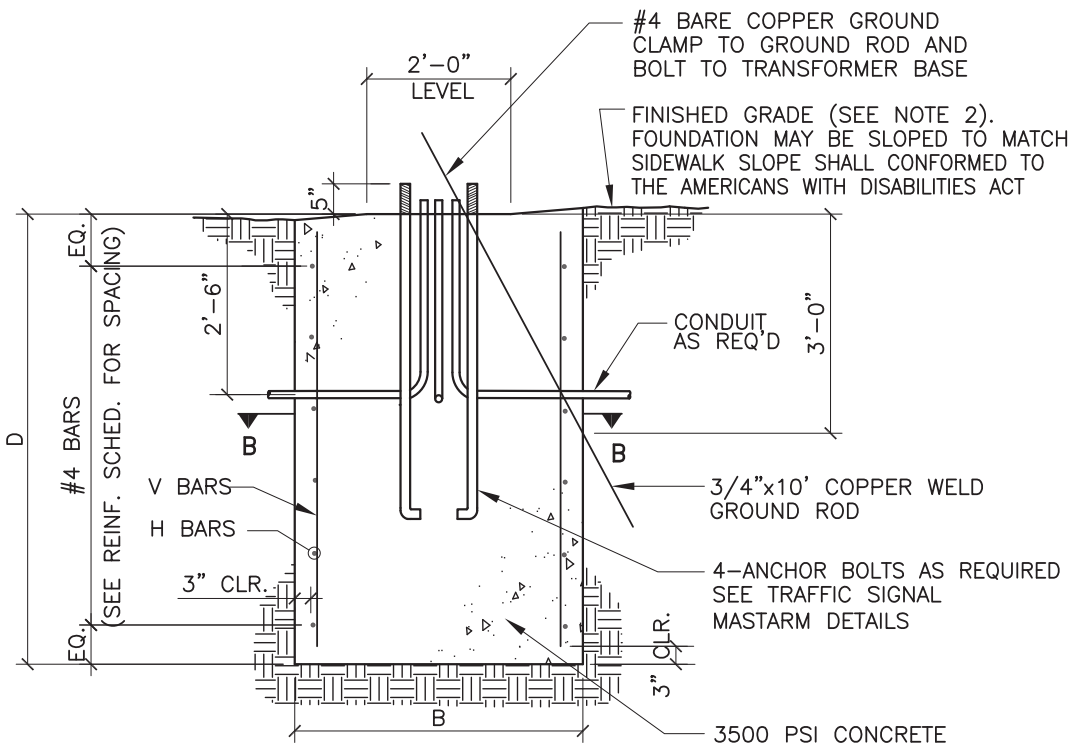
REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL SPLICE CABINET GROUND MOUNT (LARGE)
	DWG. 2557 JANUARY 2003



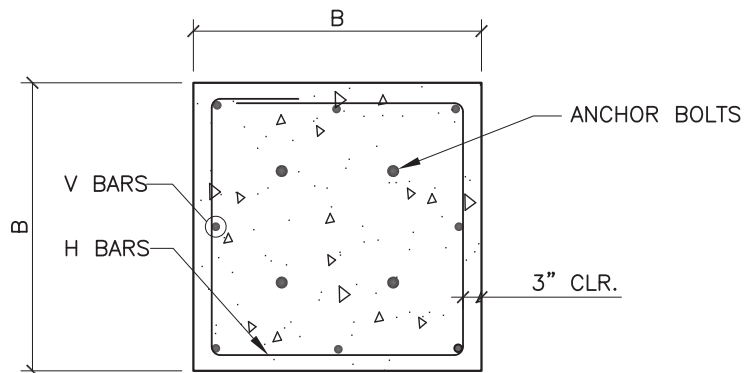
PLAN VIEW (SQUARE)



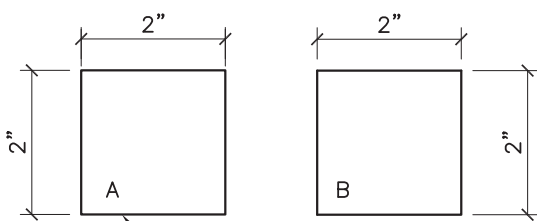
PLAN VIEW (ROUND)



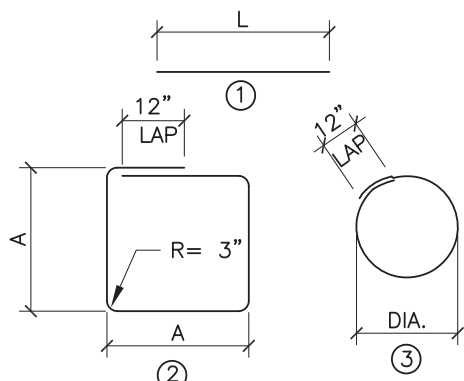
SECTION A-A (ROUND OR SQUARE)



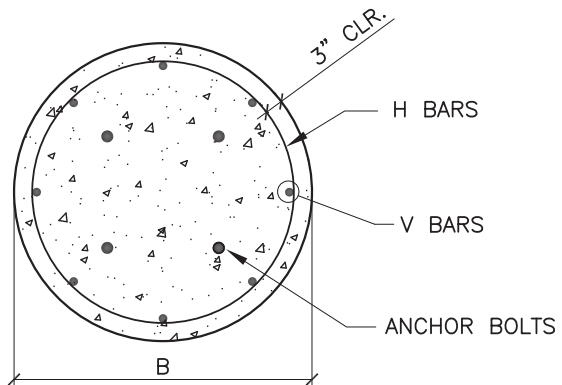
SECTION B-B (SQUARE)



STAMP DETAIL



BAR BENDING DIAGRAM



SECTION B-B (ROUND)

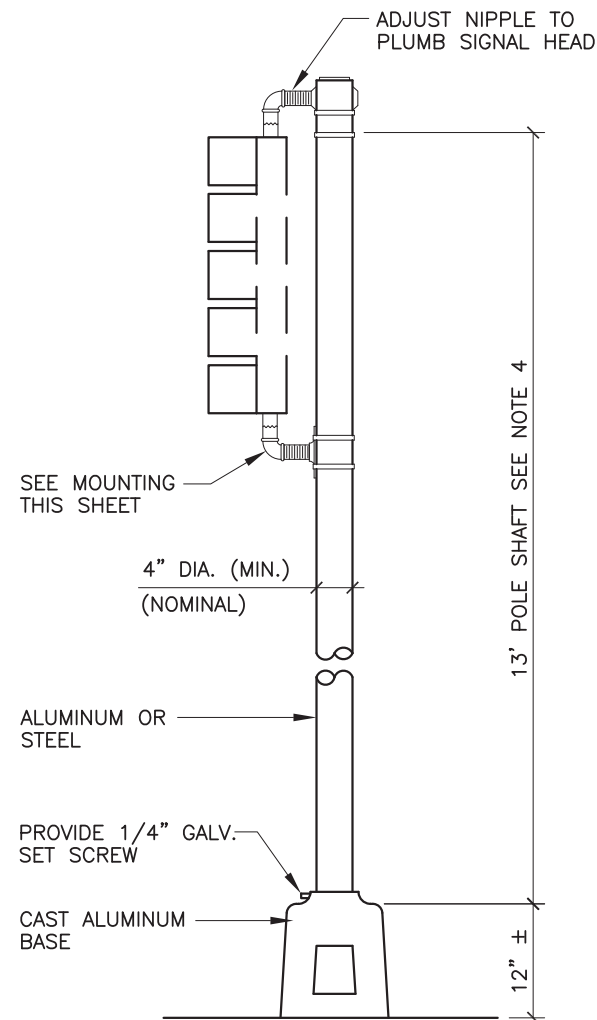
FOUNDATION DIMENSIONS AND QUANTITIES								
FOUNDATION TYPE	SIGNAL ARM SPAN(FT)	DIMENSION		REINFORCING		REBAR POUNDS	3500 PSI CONCRETE CUBIC YARDS	NOTES
		B (WIDTH)	D (DEPTH)	V BARS MARK	H BARS MARK			
TYPE A (SQUARE)	15	3'-6"	5'-0"	#4V2	#3H2	49.1	2.27	
	20	"	"	"	"		"	
	25	"	"	"	"		"	
TYPE B (SQUARE)	30	4'-0"	6'-3"	#5V1	#3H1	82.6	3.70	
	35	"	"	"	"		"	
	40	"	"	"	"		"	
TYPE A (ROUND)	15	2'-6"	8'-6"	#6V4	#3H4	98.1	1.55	ROUND SHAPE TO BE USED ONLY WHERE SPECIFICALLY NOTED ON PLANS OR WHEN APPROVED BY THE PROJECT MANAGER.
	20	"	"	"	"		"	
	25	"	"	"	"		"	
TYPE B (ROUND)	30	3'-0"	11'-9"	#7V3	#3H3	179.7	3.08	
	35	"	"	"	"		"	
	40	"	"	"	"		"	

REINFORCING SCHEDULE (GRADE 60 BARS)					
MARK	QUANT	TYPE	SIZE	LENGTH	COMMENTS
#5V1	8	1	5	5'-9"	A = 42",TIES AT 14" OC. A = 36",TIES AT 12" OC. DIA = 30",TIES AT 12" OC. DIA = 24",TIES AT 12" OC.
#4V2	8	1	4	4'-6"	
#7V3	6	1	7	11'-3"	
#6V4	6	1	6	8'-0"	
#3H1	6	2	3	15'-4"	
#3H2	5	2	3	13'-4"	
#3H3	12	3	3	9'-3"	
#3H4	9	3	3	7'-8"	

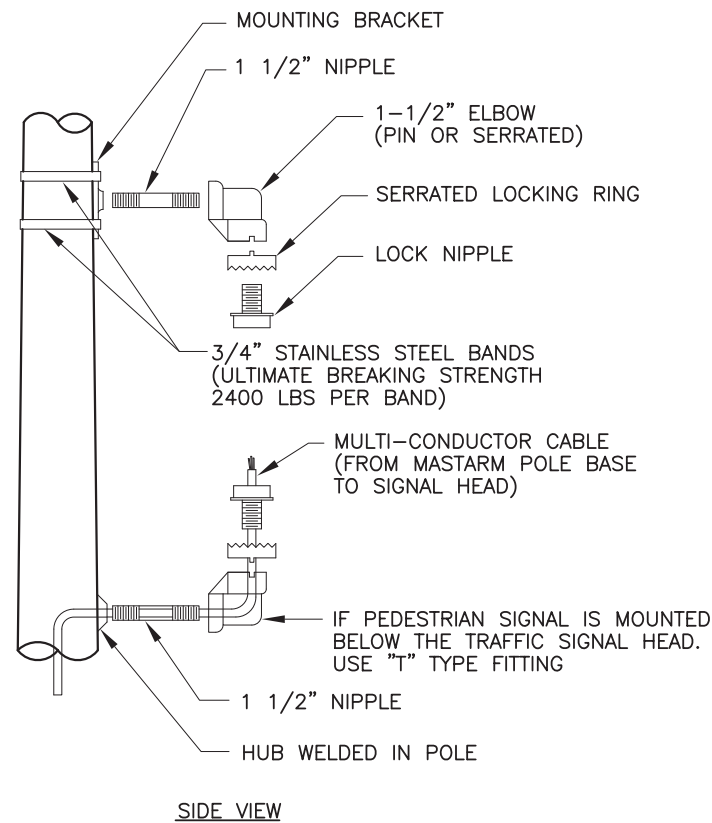
TRAFFIC SIGNAL MASTARM FOUNDATION NOTES

1. REFER TO THE PLANS FOR LOCATIONS OF TRAFFIC SIGNAL MASTARM FOUNDATIONS.
2. FINISHED GRADE FOR THE FOUNDATIONS SHALL BE ESTABLISHED IN THE FIELD BY THE PROJECT MANAGER.
3. THE FOUNDATIONS SHOWN HERE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT REVISION.
4. CONCRETE SHALL BE 3500 PSI FOR EXTERIOR STRUCTURES. REFER TO TABLE 101.C OF THE SPECIFICATIONS.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60.
6. THE TOP 6 INCHES OF THE FOUNDATION PEDESTAL SHALL BE FORMED TO THE DIMENSIONS SHOWN ON THIS SHEET TO FORM NEAT LINES. CONCRETE BELOW 6 INCHES MAY BE CAST AGAINST THE EARTH.
7. THE CONCRETE SHALL GAIN 80% OF THE DESIGN STRENGTH PRIOR TO INSTALLING THE TRAFFIC SIGNAL MASTARM.
8. ALL FOUNDATIONS SHALL INCLUDE COPPER WELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4" DIA X 10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATIONS BID ITEMS.
9. ALL FOUNDATIONS SHALL BE STAMPED EITHER "A" OR "B" TO SHOW TYPE CONSTRUCTED (SEE STAMP DETAIL).
10. CONCRETE PER SEC. 101, EXTERIOR CONCRETE, f'c=3500 PSI AT 28 DAYS.

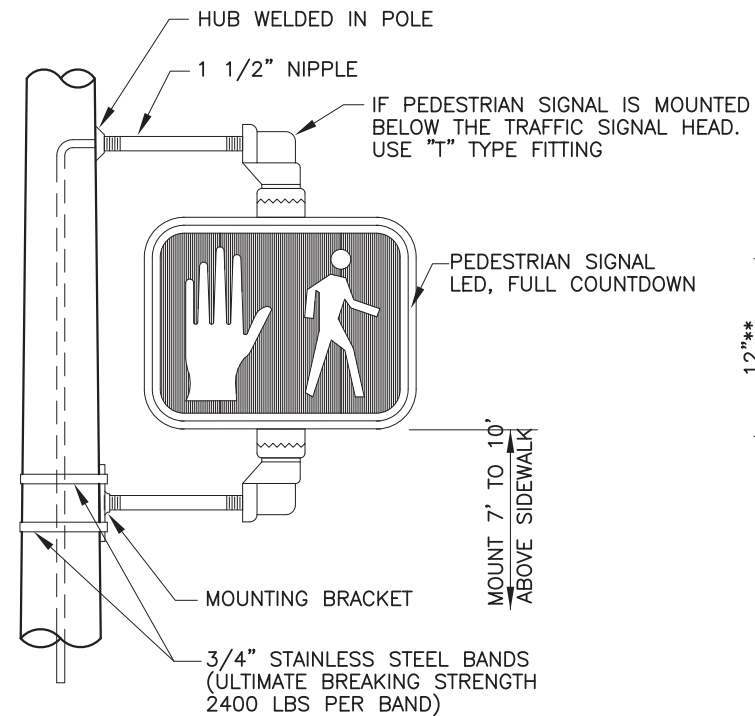
REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL FOUNDATION DETAILS TYPE II AND TYPE III STANDARDS DWG. 2558 JANUARY 2003



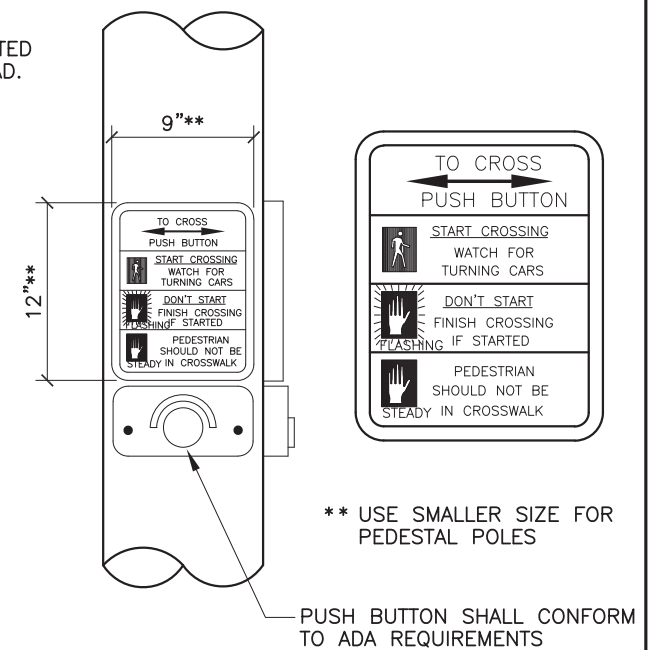
PEDESTAL POLE DETAILS



MOUNTING DETAIL



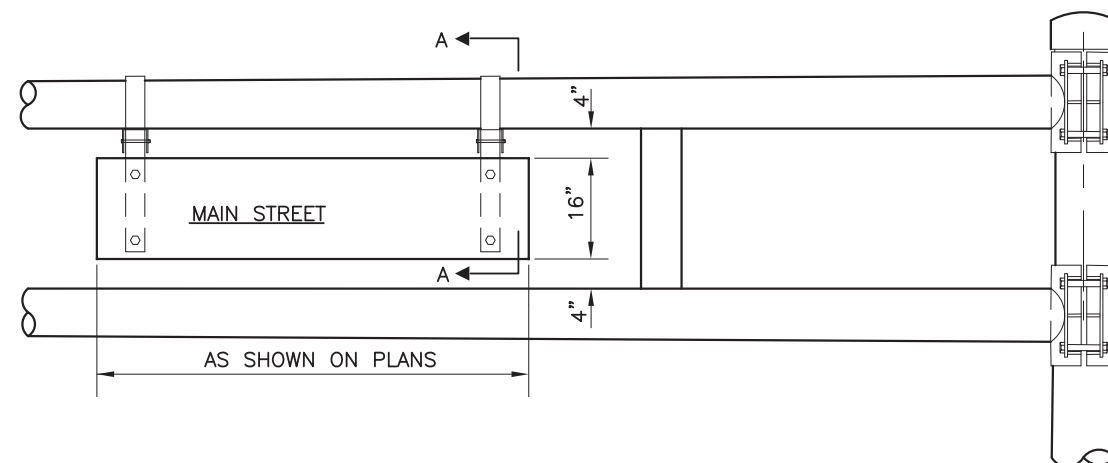
PEDESTRIAN SIGNAL DETAILS



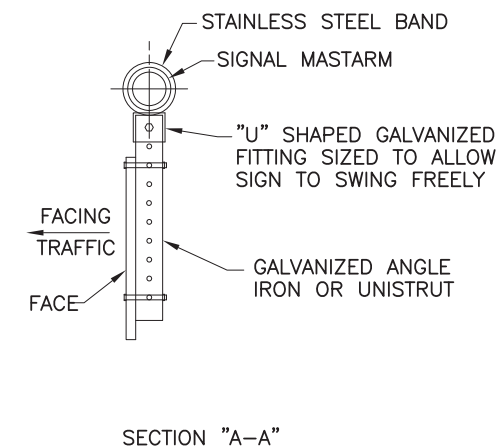
PUSH BUTTON DETAIL

NOTES:

1. STREET NAME SIGNS REQUIRED AS SHOWN ON PLANS.
2. STREET NAME SIGN SHALL BE 16" WIDE WITH 8" SERIES "C" LETTERS. SIGN SHALL BE NO MORE THAN 12 SQUARE FEET TOTAL AREA AND SHALL HAVE HIGH INTENSITY REFLECTIVE LEGEND, 1" BORDER AND BACKGROUND COLORS: WHITE ON GREEN, SIGN PANELS SHALL BE SINGLE SHEET 6061-T6 ALUMINUM .125 MINIMUM THICKNESS.
3. PEDESTRIAN ACTUATED CROSSING SHALL BE A MAXIMUM OF 42" ABOVE THE FINISHED PUBLIC SIDEWALK. A STABLE, FIRM, AND SLIP-RESISTANT AREA 30"x48" SHALL BE PROVIDED TO ALLOW FOR A FORWARD OR A PARALLEL APPROACH TO THE CONTROLS. WHERE A PARALLEL IS PROVIDED, CONTROLS SHALL BE WITHIN 10" HORIZONTALLY OF AND CENTERED ON THE CLEAR GROUND SPACE.
4. FOR INSTALLATIONS WITH ONLY PEDESTRIAN SIGNALS, CUT SHAFT TO 9'. USE 15' SHAFT FOR PEDESTAL POLES REQUIRING BOTH 5-SECTION SIGNAL ASSEMBLIES AND PEDESTRIAN SIGNALS.



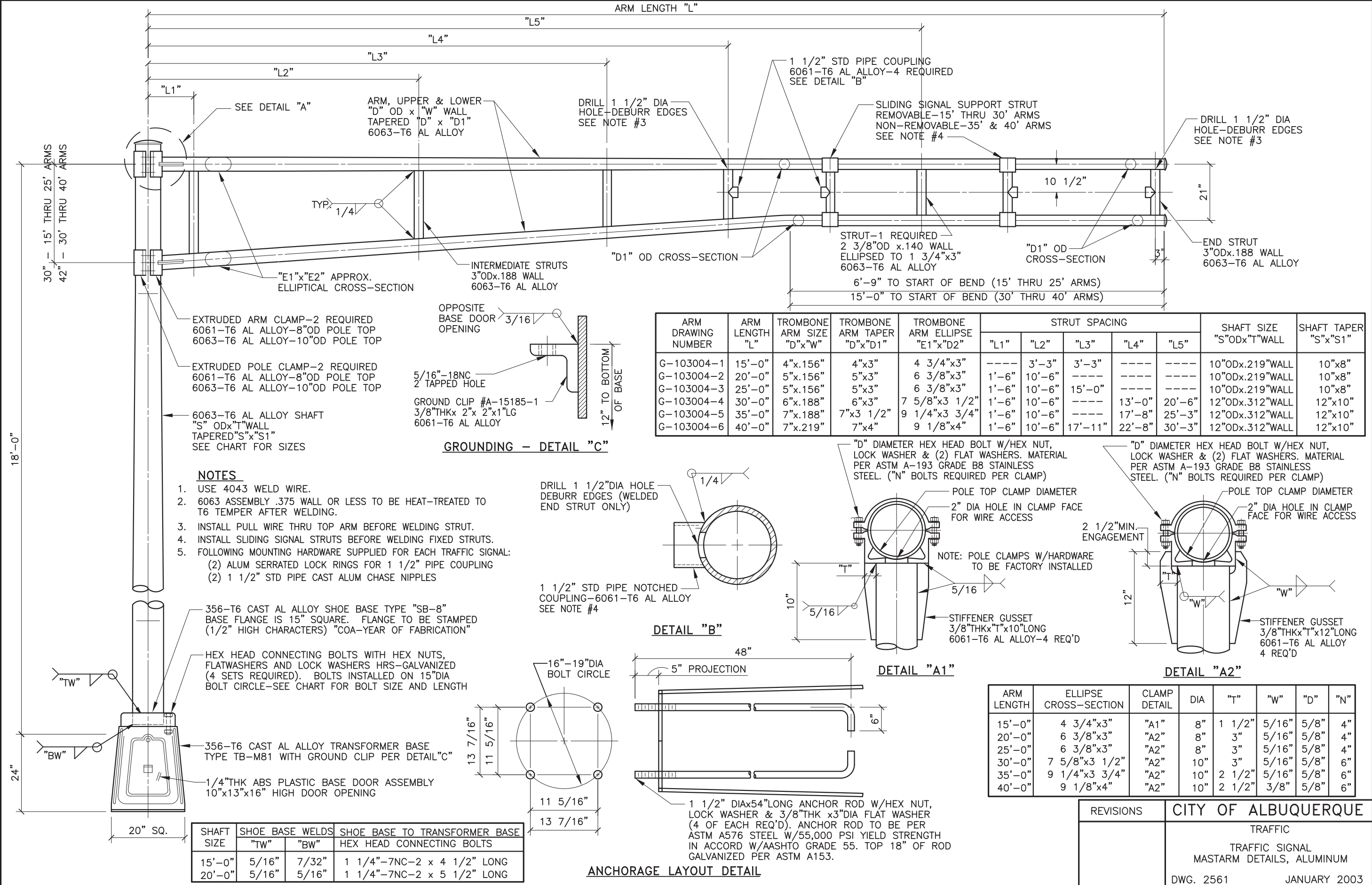
STREET NAME SIGN DETAILS



FINISH:

<input type="checkbox"/>	GALVANIZED
<input type="checkbox"/>	POWDER COATED
	COLOR _____

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL MISCELLANEOUS DETAILS
	DWG. 2560 JANUARY 2003



- NOTES**
- USE 4043 WELD WIRE.
 - 6063 ASSEMBLY .375 WALL OR LESS TO BE HEAT-TREATED TO T6 TEMPER AFTER WELDING.
 - INSTALL PULL WIRE THRU TOP ARM BEFORE WELDING STRUT.
 - INSTALL SLIDING SIGNAL STRUTS BEFORE WELDING FIXED STRUTS.
 - FOLLOWING MOUNTING HARDWARE SUPPLIED FOR EACH TRAFFIC SIGNAL:
(2) ALUM SERRATED LOCK RINGS FOR 1 1/2" PIPE COUPLING
(2) 1 1/2" STD PIPE CAST ALUM CHASE NIPPLES

GROUNDING - DETAIL "C"

DRILL 1 1/2" DIA HOLE
DEBURR EDGES (WELDED
END STRUT ONLY)

DETAIL "B"

DETAIL "A1"

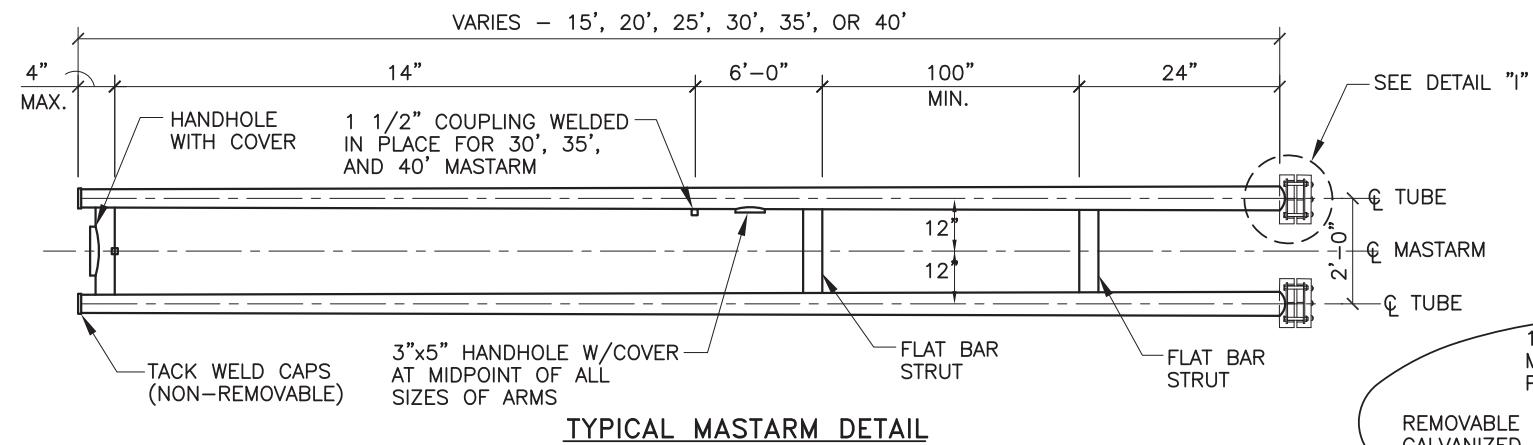
DETAIL "A2"

ANCHORAGE LAYOUT DETAIL

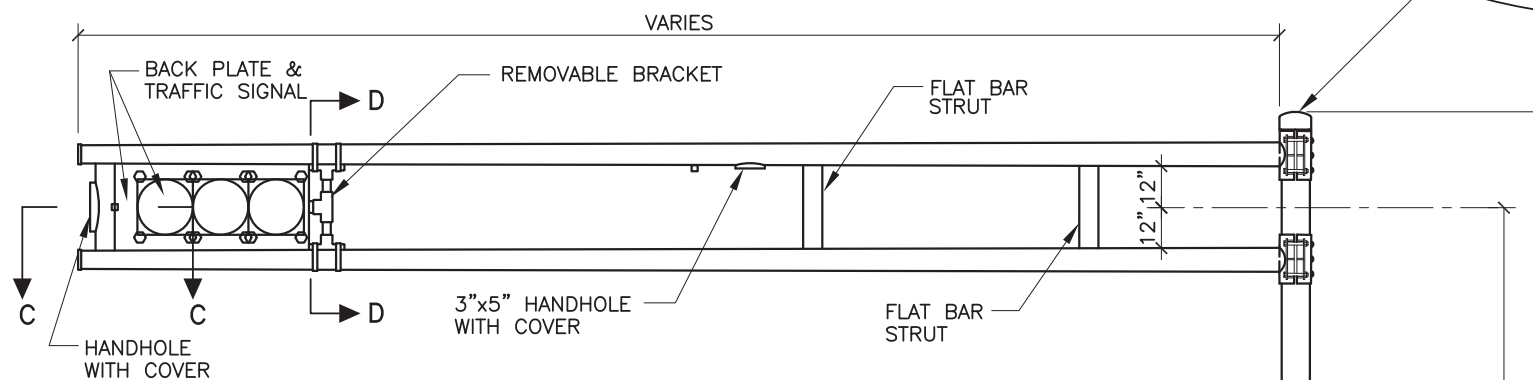
ARM DRAWING NUMBER	ARM LENGTH "L"	TROMBONE ARM SIZE "D"x"W"	TROMBONE ARM TAPER "D"x"D1"	TROMBONE ARM ELLIPSE "E1"x"D2"	STRUT SPACING					SHAFT SIZE "S"ODx"T"WALL	SHAFT TAPER "S"x"S1"
					"L1"	"L2"	"L3"	"L4"	"L5"		
G-103004-1	15'-0"	4"x.156"	4"x3"	4 3/4"x3"	----	3'-3"	3'-3"	----	----	10"ODx.219"WALL	10"x8"
G-103004-2	20'-0"	5"x.156"	5"x3"	6 3/8"x3"	1'-6"	10'-6"	----	----	----	10"ODx.219"WALL	10"x8"
G-103004-3	25'-0"	5"x.156"	5"x3"	6 3/8"x3"	1'-6"	10'-6"	15'-0"	----	----	10"ODx.219"WALL	10"x8"
G-103004-4	30'-0"	6"x.188"	6"x3"	7 5/8"x3 1/2"	1'-6"	10'-6"	----	13'-0"	20'-6"	12"ODx.312"WALL	12"x10"
G-103004-5	35'-0"	7"x.188"	7"x3 1/2"	9 1/4"x3 3/4"	1'-6"	10'-6"	----	17'-8"	25'-3"	12"ODx.312"WALL	12"x10"
G-103004-6	40'-0"	7"x.219"	7"x4"	9 1/8"x4"	1'-6"	10'-6"	17'-11"	22'-8"	30'-3"	12"ODx.312"WALL	12"x10"

ARM LENGTH	ELLIPSE CROSS-SECTION	CLAMP DETAIL	DIA	"T"	"W"	"D"	"N"
15'-0"	4 3/4"x3"	"A1"	8"	1 1/2"	5/16"	5/8"	4"
20'-0"	6 3/8"x3"	"A2"	8"	3"	5/16"	5/8"	4"
25'-0"	6 3/8"x3"	"A2"	8"	3"	5/16"	5/8"	4"
30'-0"	7 5/8"x3 1/2"	"A2"	10"	3"	5/16"	5/8"	6"
35'-0"	9 1/4"x3 3/4"	"A2"	10"	2 1/2"	5/16"	5/8"	6"
40'-0"	9 1/8"x4"	"A2"	10"	2 1/2"	3/8"	5/8"	6"

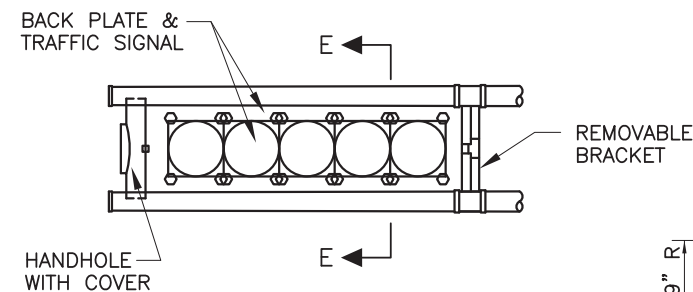
REVISIONS		CITY OF ALBUQUERQUE	
		TRAFFIC	
		TRAFFIC SIGNAL MASTARM DETAILS, ALUMINUM	
		DWG. 2561	JANUARY 2003



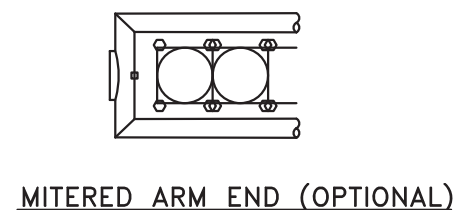
TYPICAL MASTARM DETAIL



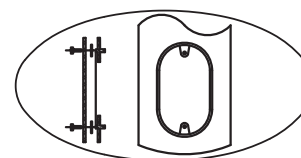
3-SECTION TRAFFIC SIGNAL



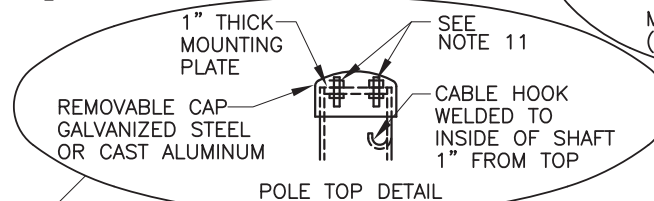
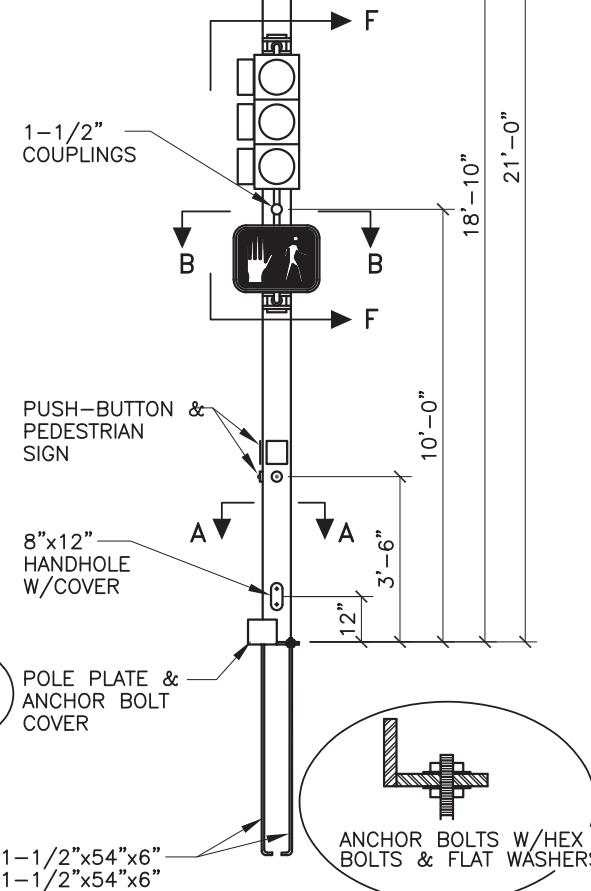
5-SECTION TRAFFIC SIGNAL



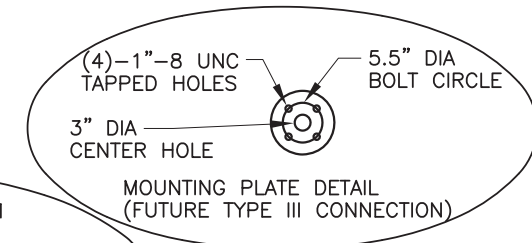
POLE PLATE SLOT DETAIL



ANCHOR BOLTS
15', 20', 25' ARM: 1-1/2"x54"x6"
30', 35', 40' ARM: 1-1/2"x54"x6"



POLE TOP DETAIL



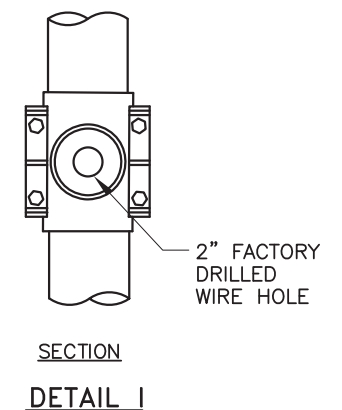
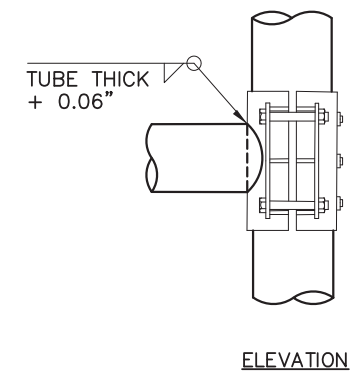
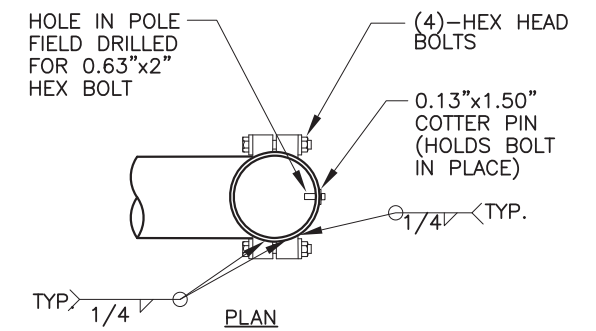
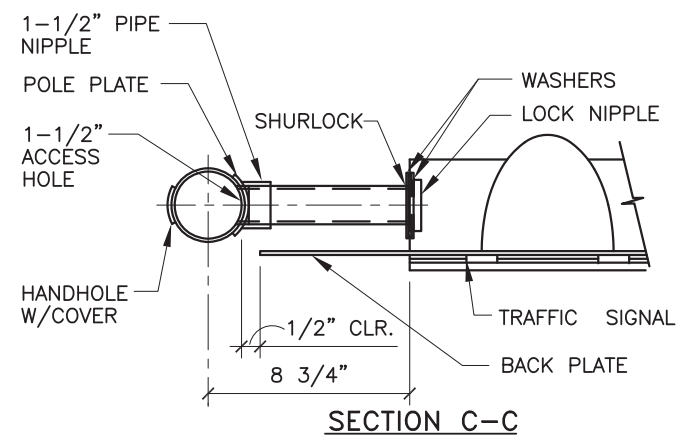
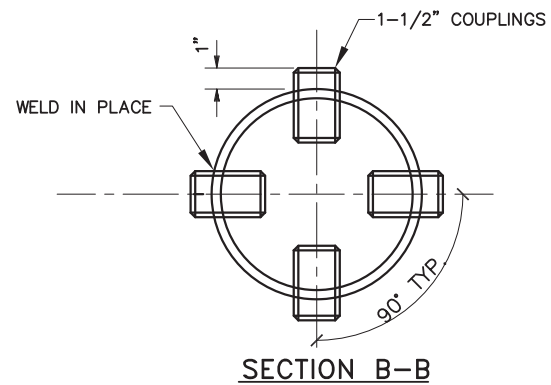
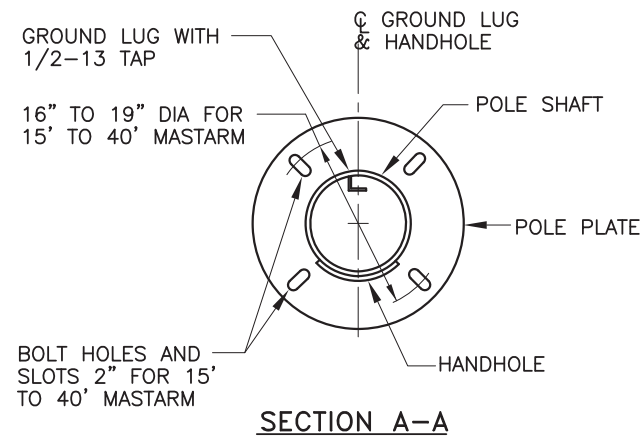
TRAFFIC SIGNAL MASTARM NOTES:

- DESIGN IN ACCORDANCE WITH 1985 AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS FOR AN 80 MPH WIND ZONE.
- POLES AND MASTARMS SHAFTS SHALL CONFORM TO ASTM A-595 GRADE A (MIN YIELD 55 KSI).
- BASE PLATE AND SIGNAL ARM CLAMP SHALL BE ASTM A-36 (MIN. YIELD 36 KSI).
- ANCHOR BOLTS SHALL BE ASTM A-36 MOD 55 (MIN. YIELD 55 KSI).
- SIGNAL ARM CONNECTING BOLTS SHALL BE ASTM A-325.
- WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS AWS D1.1. LATEST EDITION. ALL WELDS SHALL BE FREE FROM CRACKS, EXCESSIVE UNDERCUT, AND POROSITY. ANY WELD DEFECTS SHALL BE REPAIRED BY REMOVING THE DEFECTIVE MATERIAL AND REPLACING IT WITH SOUND WELD MATERIAL.
- ALL HOLES SHALL BE DRILLED AND DEBURRED.
- ALL POLES, MASTARMS, AND BOLTS SHALL BE GALVANIZED TO ASTM A-123 & A-153.
- MASTARM SHALL BE MARKED TO DESCRIBE WHICH IS TOP AND WHICH IS BOTTOM. POLE PLATE COVER SHALL BE MARKED IN MATED PAIRS. POLE SHAFTS SHALL BE MARKED "ALB" "15-25" OR "30-40", AND DATE OF FABRICATION (MONTH/YEAR).
- DETAILS SHOWN ARE FOR STEEL POLES. ALUMINIUM POLES MAY BE USED ONLY WHEN PRE-APPROVED BY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS DIVISION.
- BOLTS FOR TYPE III EXTENSIONS SHALL BE FURNISHED BY THE MANUFACTURER FOR ALL POLES INCLUDING TYPE II STANDARDS WITH NO EXTENSIONS.

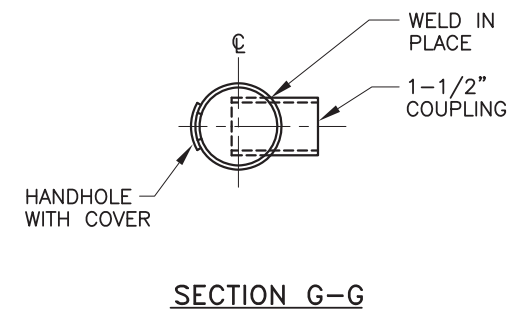
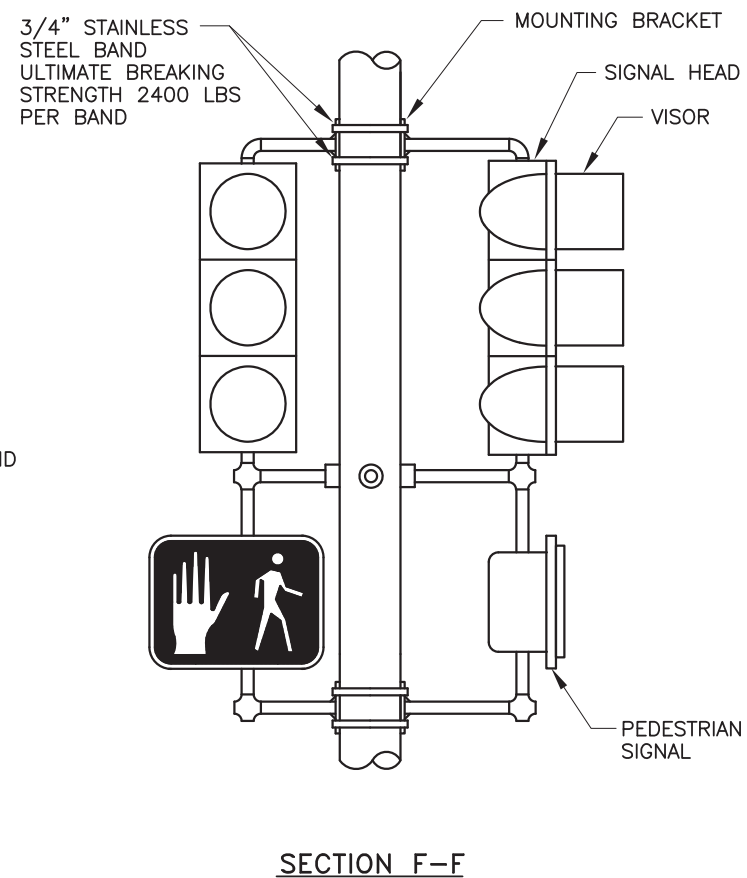
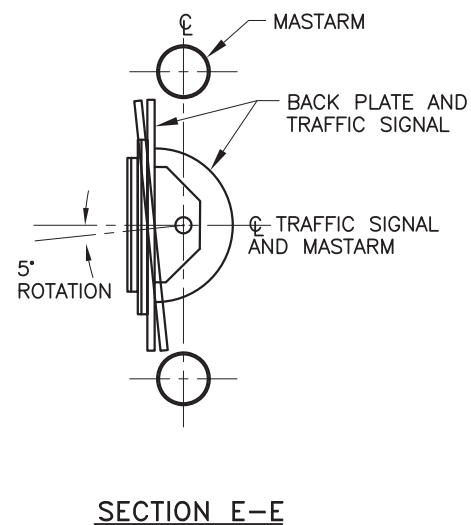
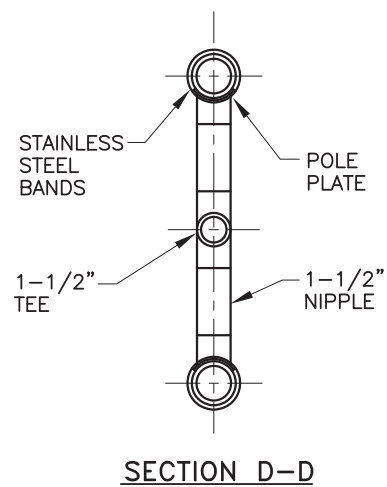
NOTE: FOR SECTIONS A-A THROUGH G-G & DETAILS, SEE STD. DWG. 2562b

FINISH: GALVANIZED

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC
	TRAFFIC SIGNAL
	MASTARM DETAILS, TYPE II STANDARD
	DWG. 2562a JANUARY 2003



NOTE:
ONE SIZE ARM CLAMP FOR 15' TO 25' MASTARMS AND ONE SIZE FOR 30' TO 40' MASTARMS WILL BE ALLOWED



REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL MASTARM DETAILS, TYPE II STANDARD
	DWG. 2562b JANUARY 2003

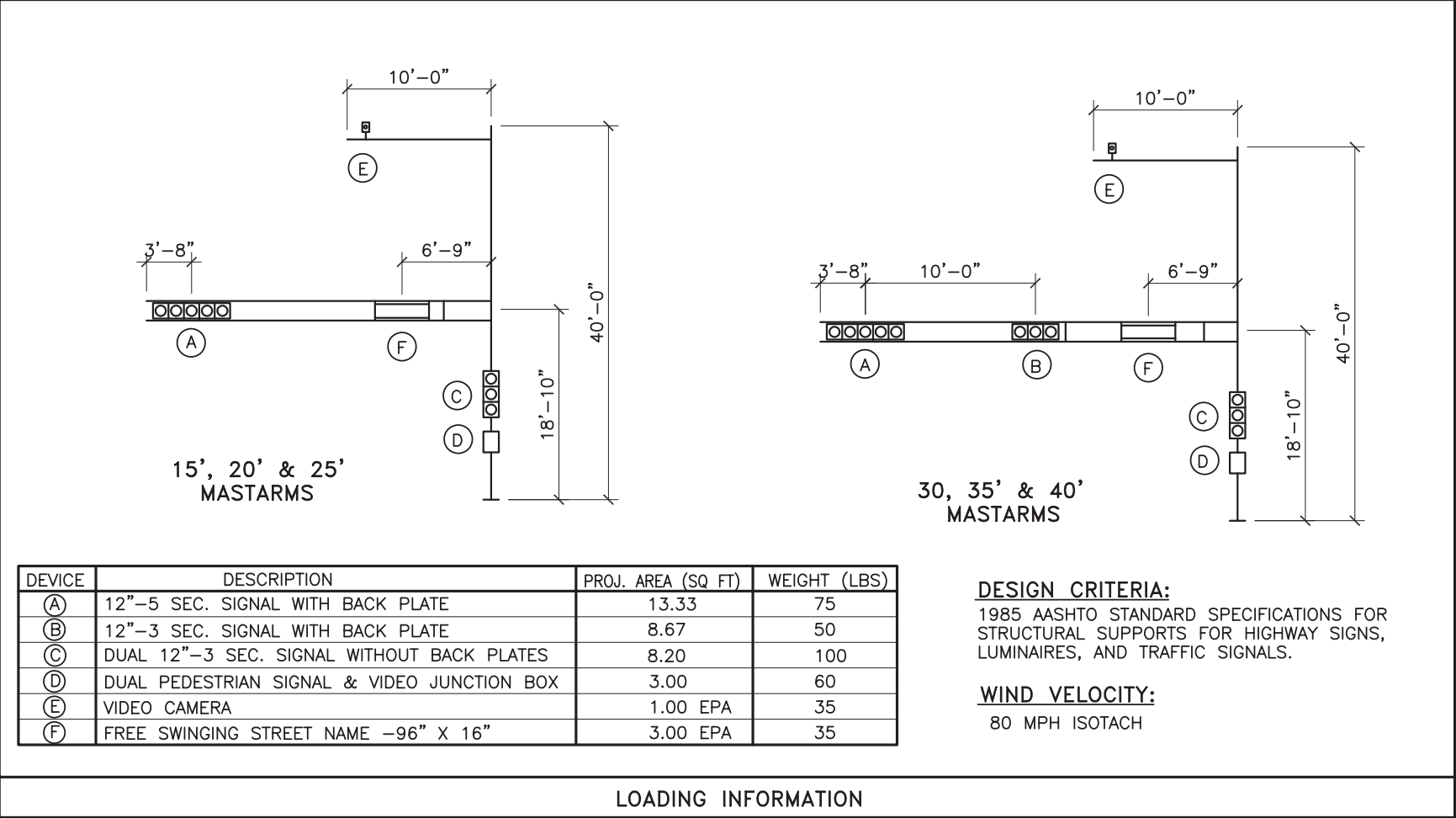
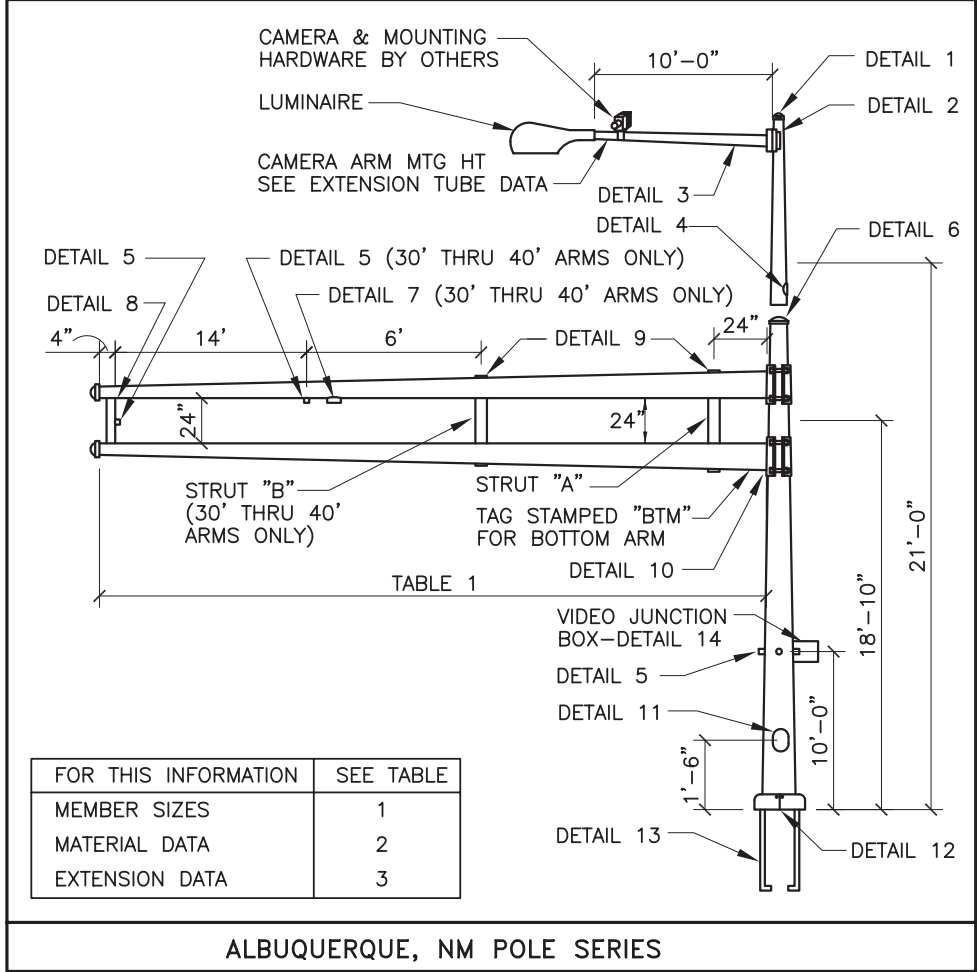
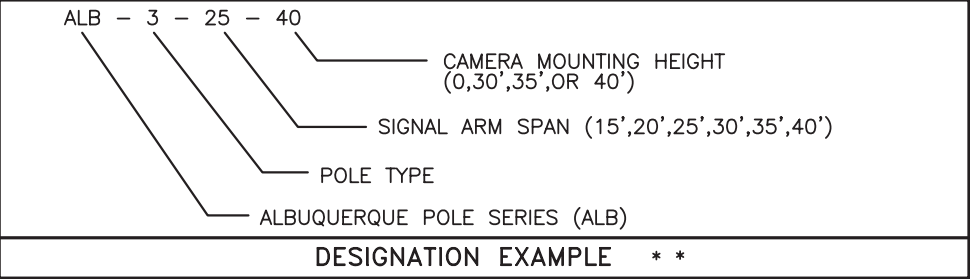


TABLE 1: POLE AND MASTARM SCHEDULE																								
DESIGNATION (SEE EXAMPLE ABOVE)				POLE DATA				BASE PLATE DATA				ANCHOR BOLT DATA				MASTARM DATA				ARM ATTACHMENT DATA				
POLE SERIES	POLE TYPE	SIGNAL ARM SPAN (FT)	CAMERA MOUNTING HEIGHT 0=NO CAMERA	BASE DIA	TOP DIA	LENGTH	GA	CIRCLE "C"	THK "G"	BC RANGE		BOLT CIRCLE	DIAMETER "K"	LENGTH "J"	HOOK "H"	FIXED END DIA	FREE END DIA	GA	LENGTH (FT)	"A"	"B"	"C"	"D"	"E"
ALB	2	15	0, 30, 35, 40	10.00"	7.06"	21'-0"	7	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	5.80"	3.70"	11	15	7.25"	9.44"	10.81"	10.38"	1.00"-8UNC X 8.00"
ALB	2	20	0, 30, 35, 40	10.00"	7.06"	21'-0"	7	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	6.50"	3.70"	11	20	7.25"	9.44"	10.81"	10.38"	1.00"-8UNC X 8.00"
ALB	2	25	0, 30, 35, 40	10.00"	7.06"	21'-0"	7	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	7.00"	3.50"	11	25	7.25"	9.44"	10.81"	10.38"	1.00"-8UNC X 8.00"
ALB	2	30	0, 30, 35, 40	12.00"	9.06"	21'-0"	5	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	7.72"	3.52"	7	30	9.25"	11.44"	13.81"	12.38"	1.00"-8UNC X 9.00"
ALB	2	35	0, 30, 35, 40	12.00"	9.06"	21'-0"	5	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	8.30"	3.40"	7	35	9.25"	11.44"	13.81"	12.38"	1.00"-8UNC X 9.00"
ALB	2	40	0, 30, 35, 40	12.00"	9.06"	21'-0"	5	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	9.00"	3.40"	7	40	9.25"	11.44"	13.81"	12.38"	1.00"-8UNC X 9.00"

FINISH:	
<input type="checkbox"/>	GALVANIZED
<input type="checkbox"/>	POWDER COATED
COLOR _____	

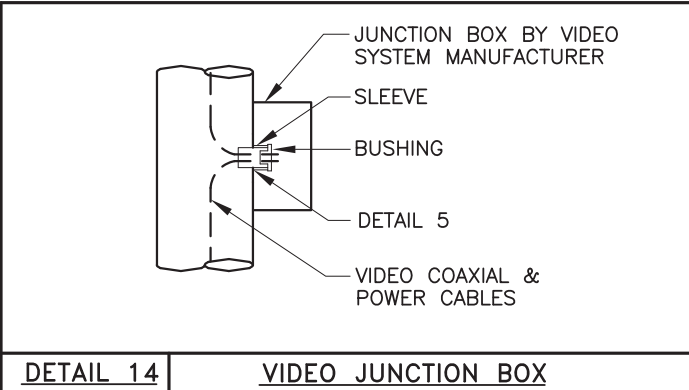
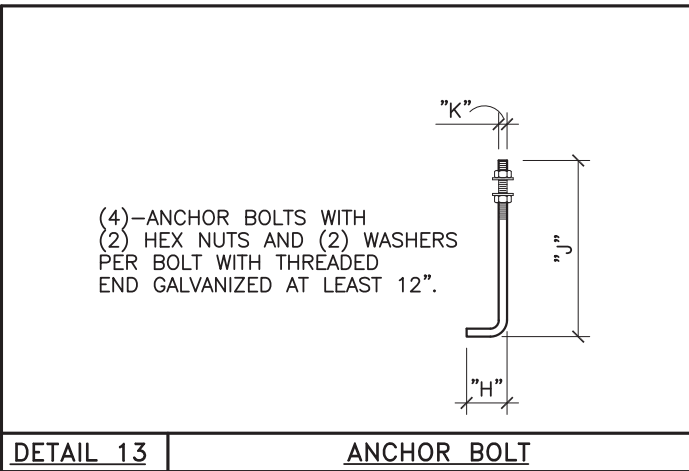
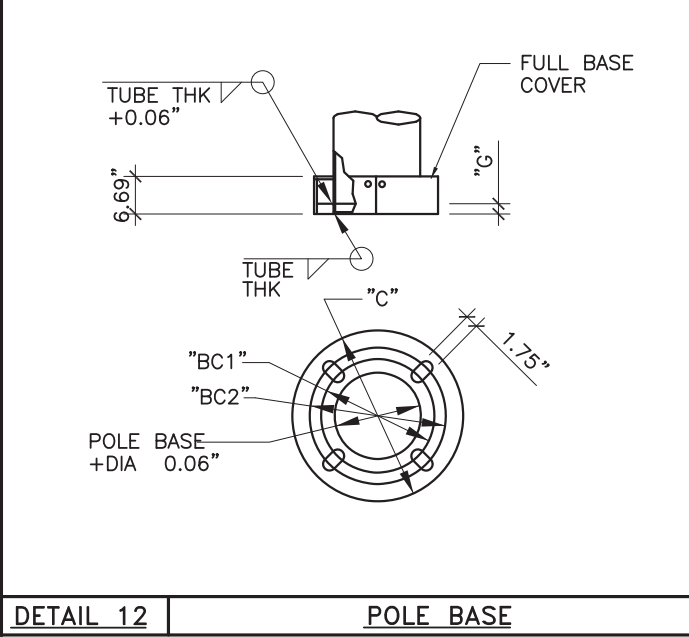
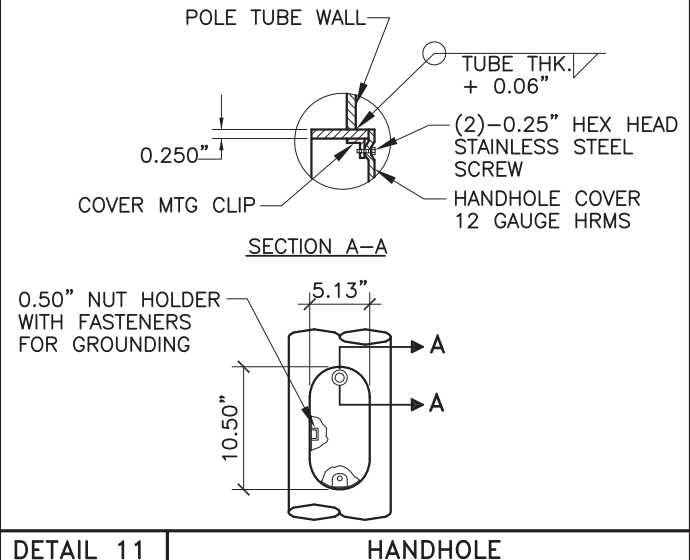
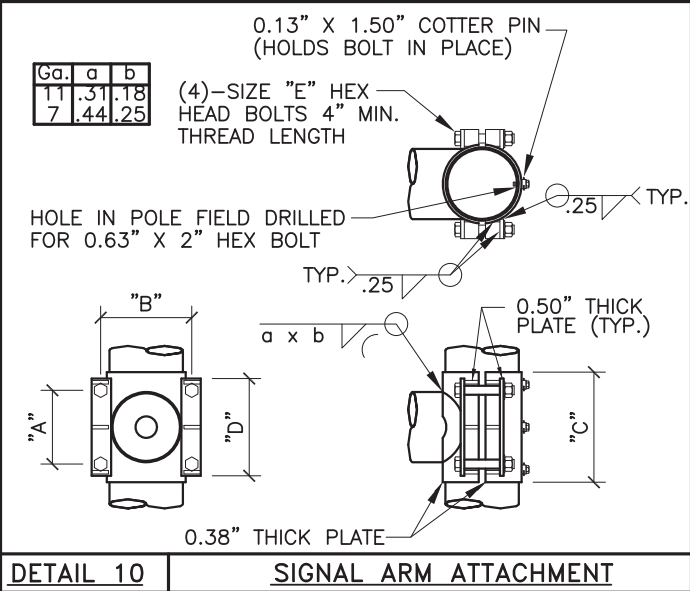
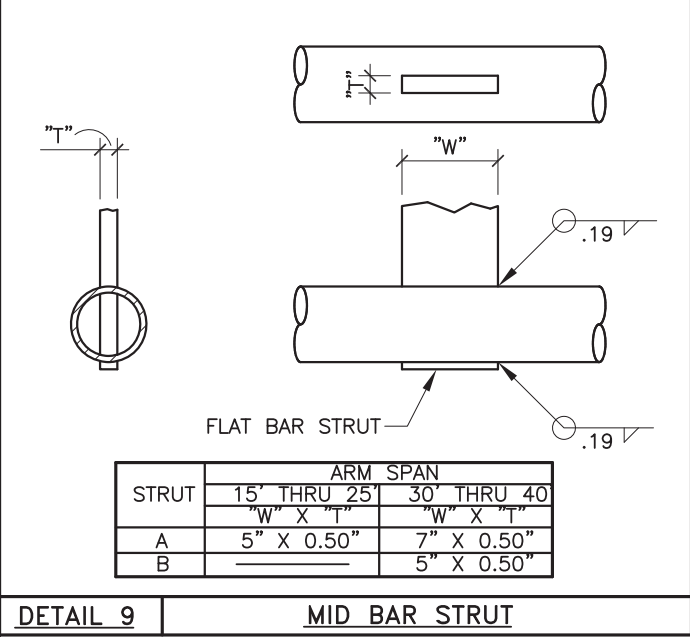
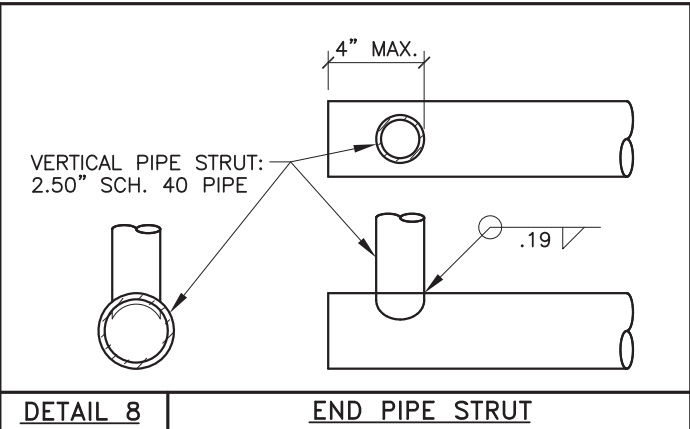
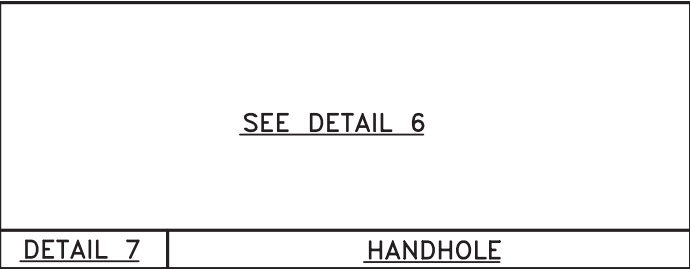
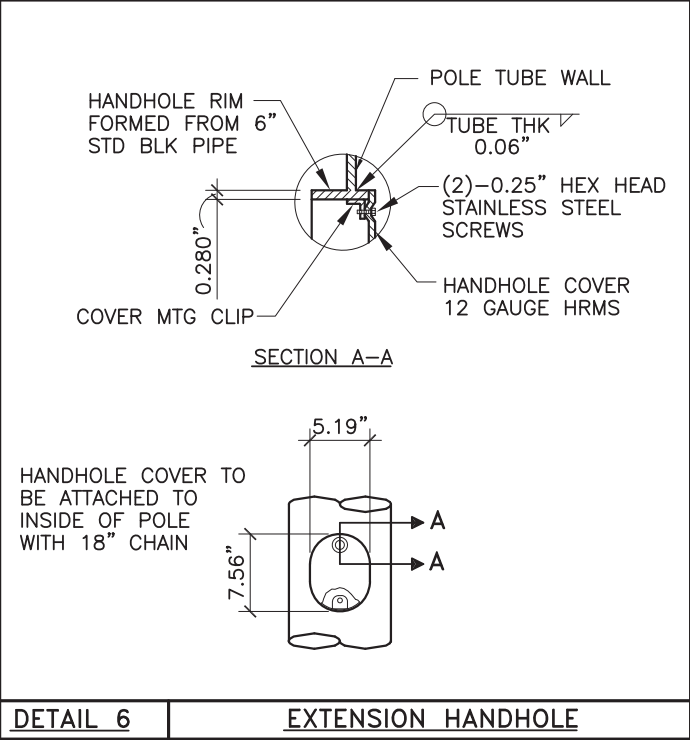
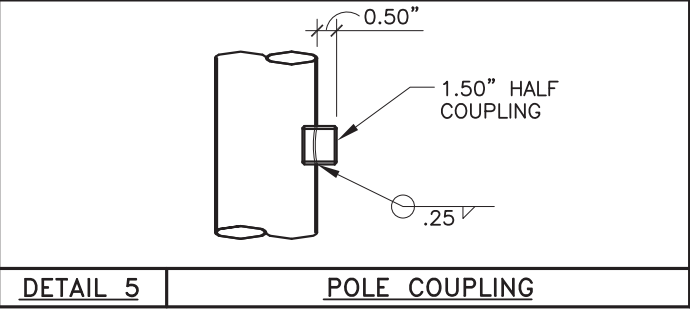
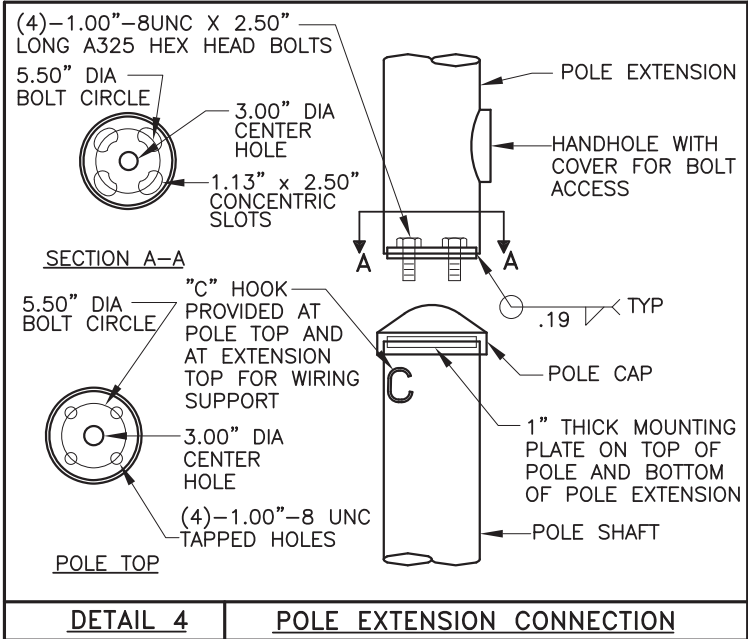
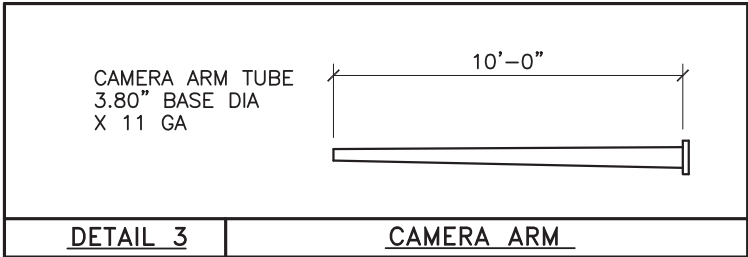
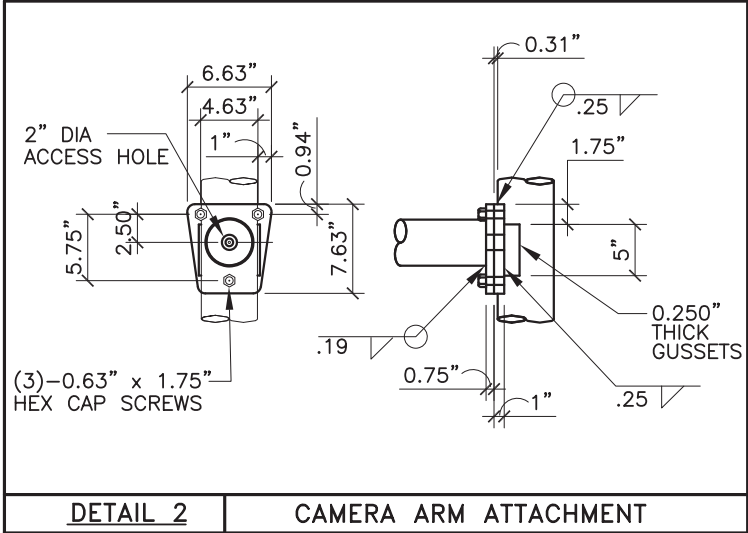
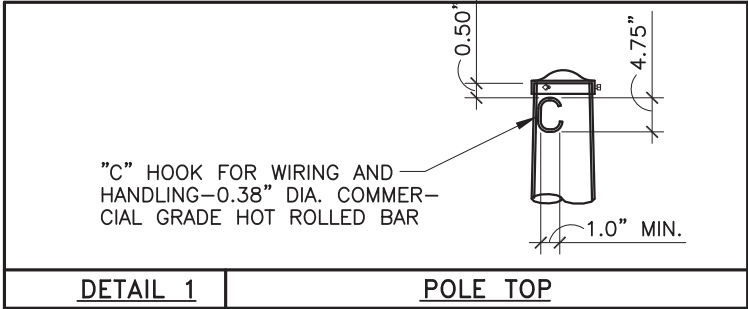
TABLE 2: MATERIAL DATA					
COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)	COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)
POLE TUBE	A595 GR A	55	SIGNAL ARM CLAMP	A36	36
BASE PLATE	A36	36	SIGNAL ARM CONN. BOLTS	A325 *	
MAST ARM TUBE	A595 GR A	55	CAMERA ARM PLATES	A36	36
CAMERA ARM TUBE	A595 GR A	55	GALVANIZING	A123 & A153	
POLE EXTENSION	A595 GR A	55			
ANCHOR BOLTS AASHTO M314 GR. 55					
* LUBRICATE IN FIELD IF NECESSARY IN LIEU OF THE REQUIREMENT IN A325					

TABLE 3: EXTENSION TUBE DATA					
MASTARM LENGTH (FT)	CAMERA MTG HT (FT)	EXTENSION TUBE			
		BASE DIA	TOP DIA	LENGTH (FT)	GAUGE
15-20	30	7.00	5.74	9.0	11
	35	7.00	5.04	14.0	11
	40	7.00	4.34	19.0	11
30-40	30	9.00	7.74	9.0	11
	35	9.00	7.04	14.0	11
	40	9.00	6.34	19.0	11

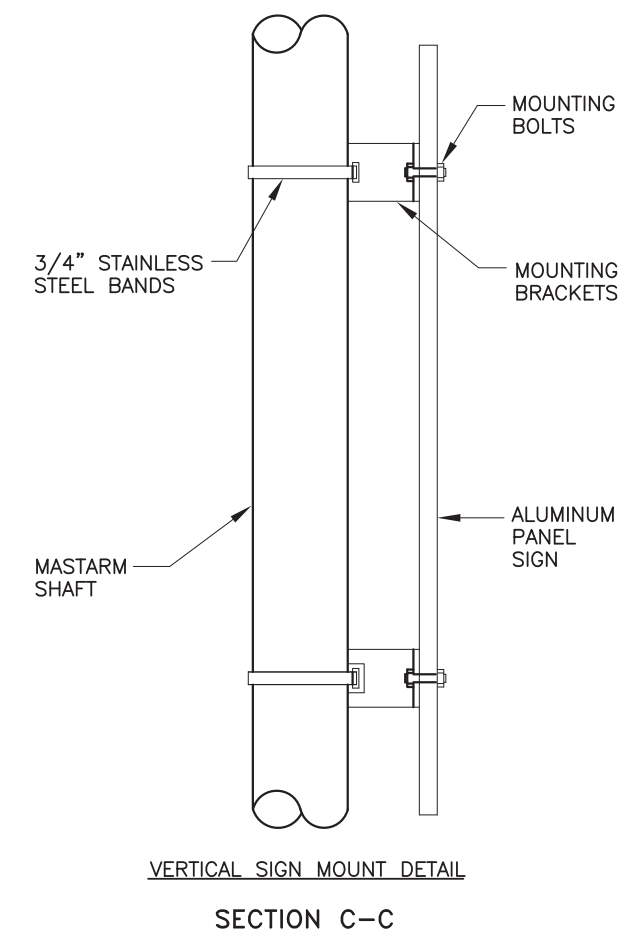
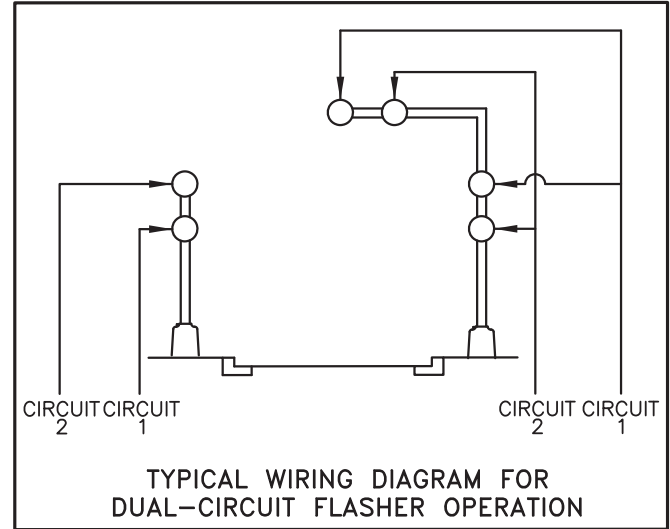
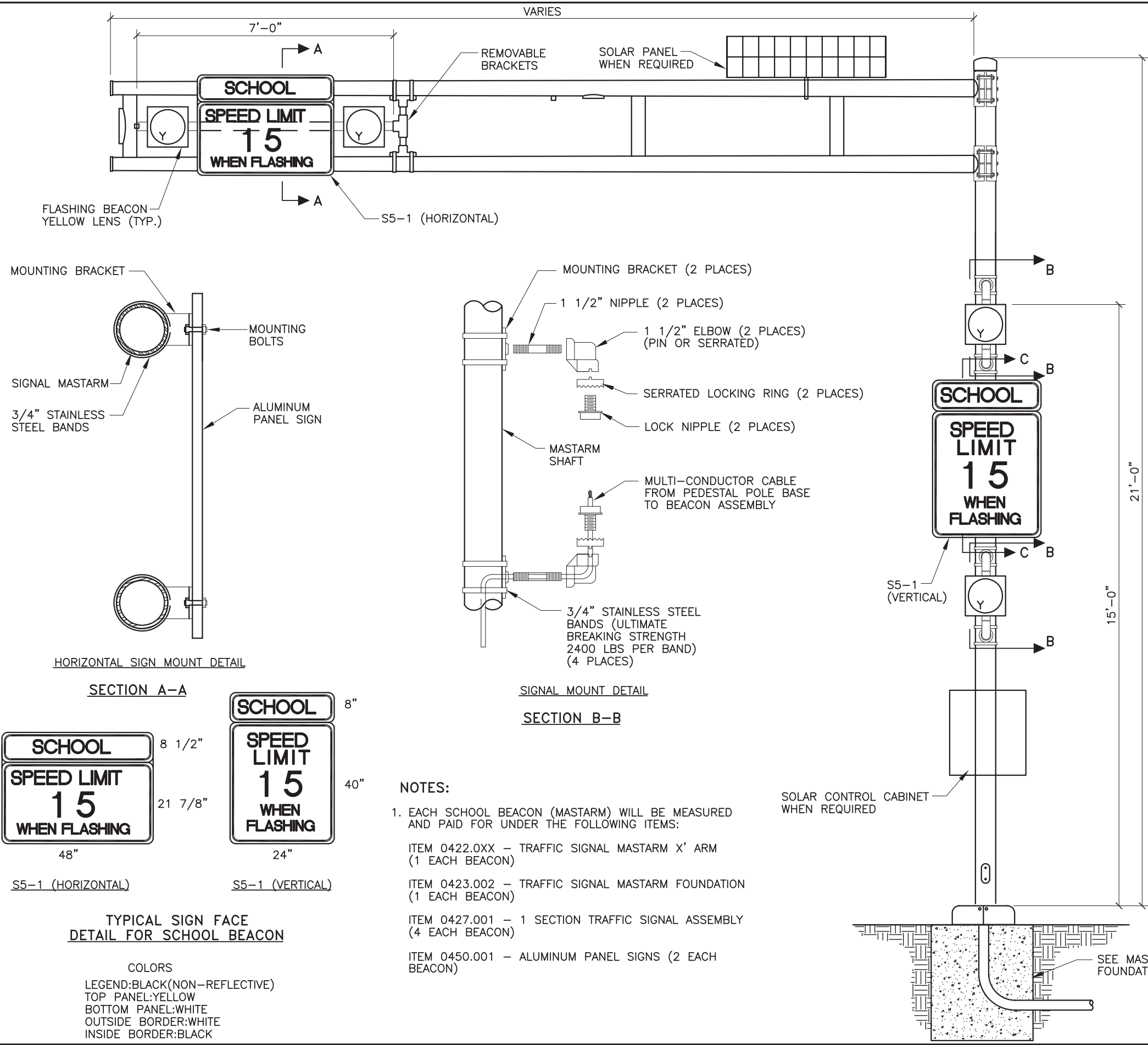


** POLE SHAFTS SHALL BE MARKED "ALB" "15-25" OR "30-40", AND DATE OF FABRICATION (MONTH/YEAR).

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC
	TRAFFIC SIGNAL
	MASTARM DETAILS TYPE III STANDARD
	DWG. 2562c JANUARY 2003

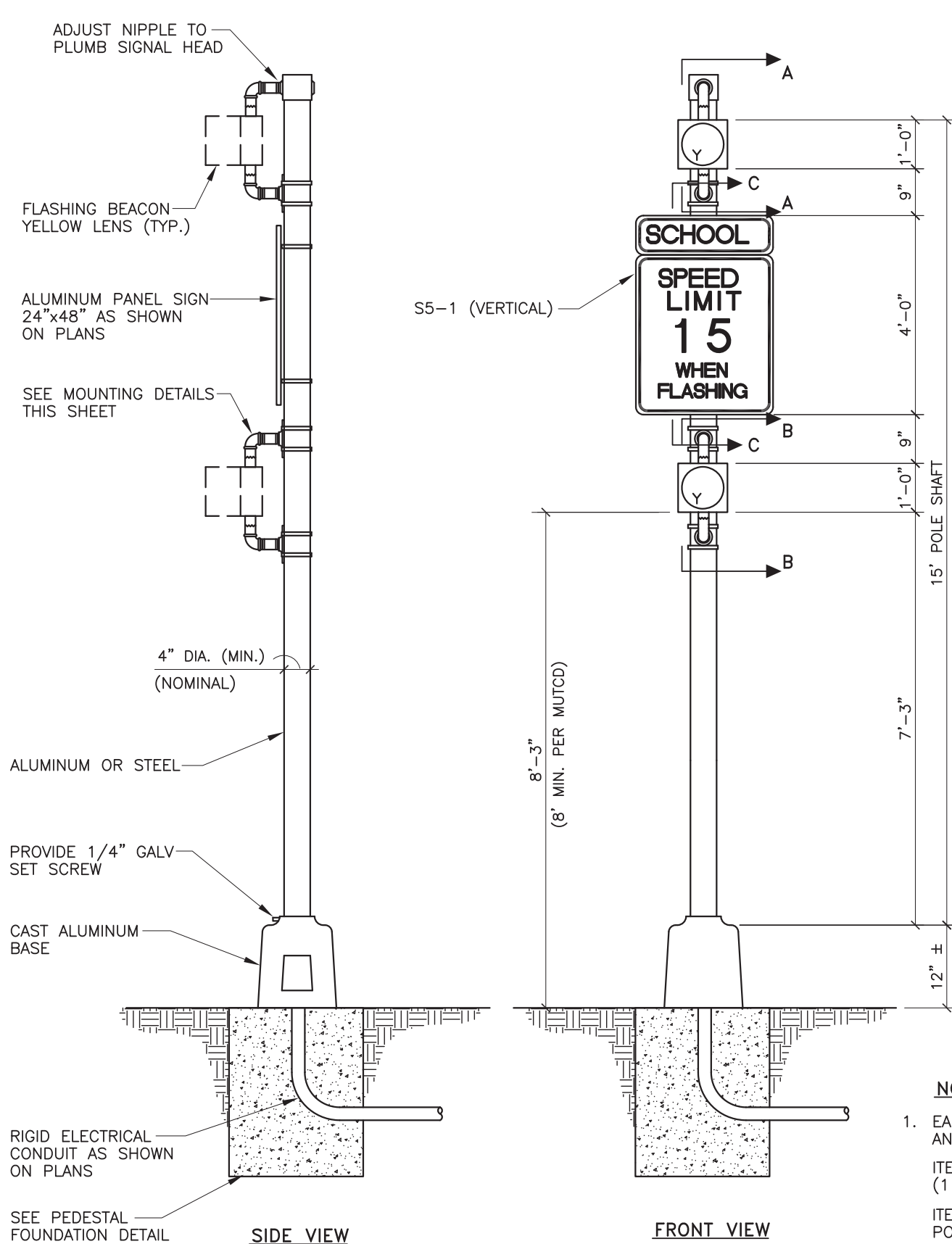


REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL TYPE III STANDARD— MISCELLANEOUS DETAILS
	DWG. 2562d JANUARY 2003

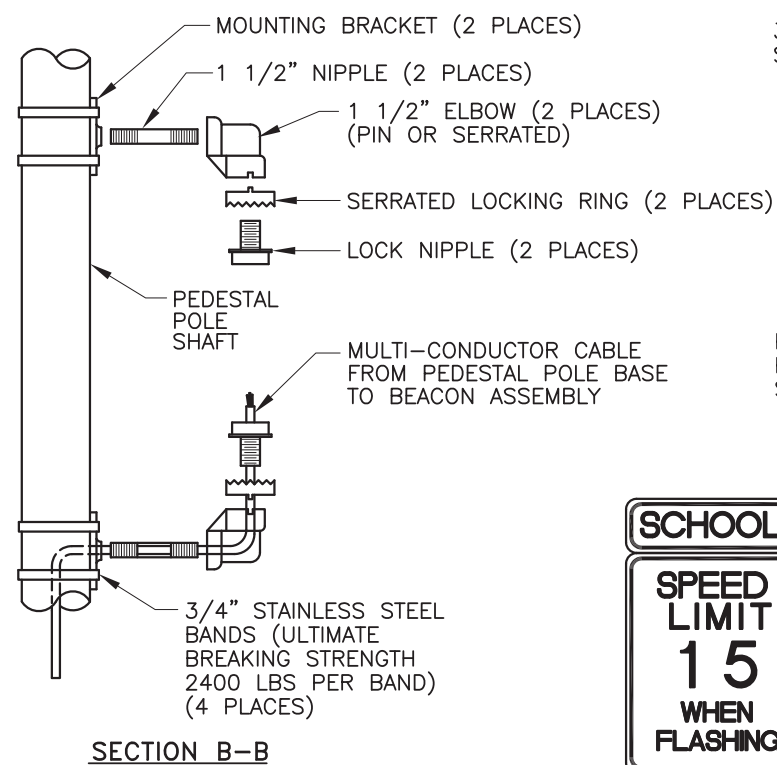
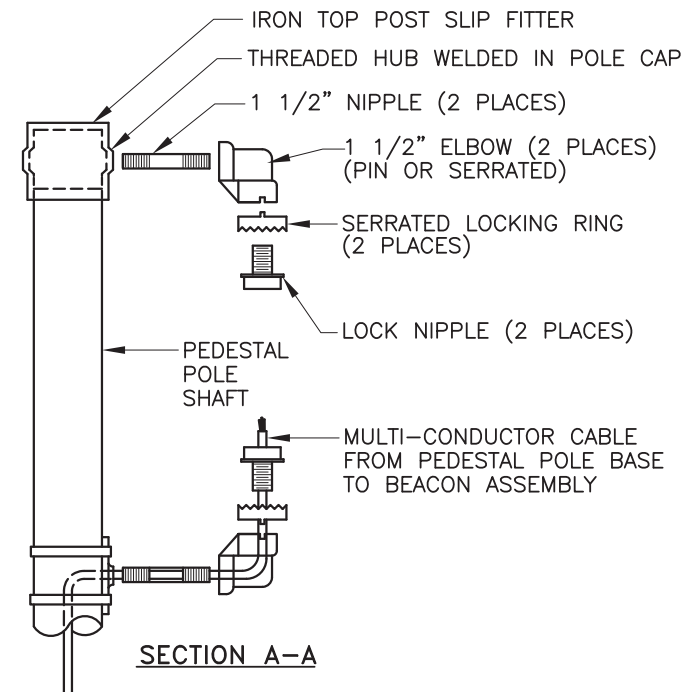


- NOTES:
1. EACH SCHOOL BEACON (MASTARM) WILL BE MEASURED AND PAID FOR UNDER THE FOLLOWING ITEMS:
- ITEM 0422.OXX - TRAFFIC SIGNAL MASTARM X' ARM (1 EACH BEACON)
 - ITEM 0423.002 - TRAFFIC SIGNAL MASTARM FOUNDATION (1 EACH BEACON)
 - ITEM 0427.001 - 1 SECTION TRAFFIC SIGNAL ASSEMBLY (4 EACH BEACON)
 - ITEM 0450.001 - ALUMINUM PANEL SIGNS (2 EACH BEACON)

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC
	TRAFFIC SIGNAL
	SCHOOL BEACON DETAILS (MASTARM)
DWG. 2565	JANUARY 2003



SCHOOL BEACON DETAIL – PEDESTAL

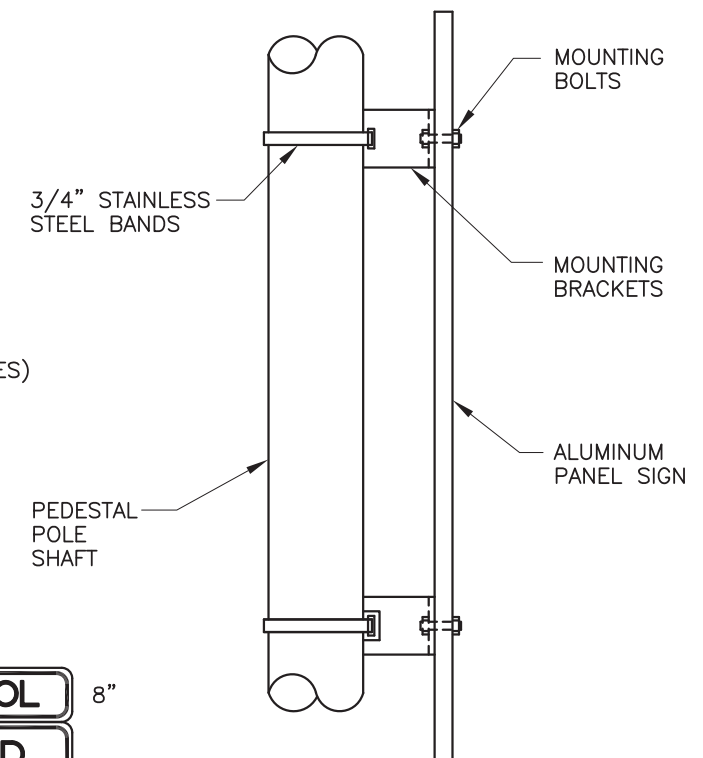
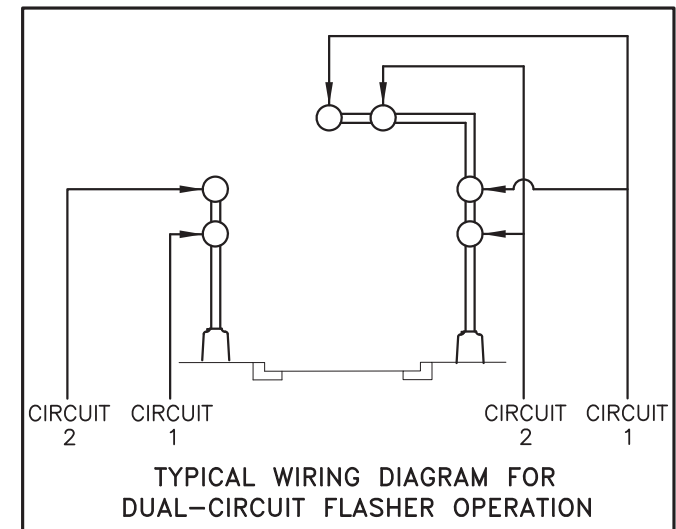


NOTES:

1. EACH SCHOOL BEACON (PEDESTAL) WILL BE MEASURED AND PAID FOR UNDER THE FOLLOWING ITEMS:
ITEM 0422.004 – TRAFFIC SIGNAL PEDESTAL POLE 15' (1 EACH BEACON)
ITEM 0423.001 – TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE (1 EACH BEACON)
ITEM 0427.001 – 1 SECTION TRAFFIC SIGNAL ASSEMBLY (2 EACH BEACON)
ITEM 0450.001 – ALUMINUM PANEL SIGNS (1 EACH BEACON)



S5-1 (VERTICAL)
TYPICAL SIGN FACE
DETAIL FOR SCHOOL BEACON



VERTICAL SIGN MOUNT DETAIL
SECTION C-C

COLORS

LEGEND: BLACK(NON-REFLECTIVE)
TOP PANEL: YELLOW
BOTTOM PANEL: WHITE
OUTSIDE BORDER: WHITE
INSIDE BORDER: BLACK

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL SCHOOL BEACON DETAILS (PEDESTAL)
	DWG. 2566 JANUARY 2003

ADJUST NIPPLE TO PLUMB SIGNAL HEAD

FLASHING BEACON
YELLOW LENS (TYP)

ALUMINUM PANEL SIGN
36"x36" AS SHOWN
ON PLANS

SEE MOUNTING DETAILS
THIS SHEET

4" DIA. (MIN.)
(NOMINAL)

ALUMINUM OR
STEEL

PROVIDE 1/4" GALV
SET SCREW

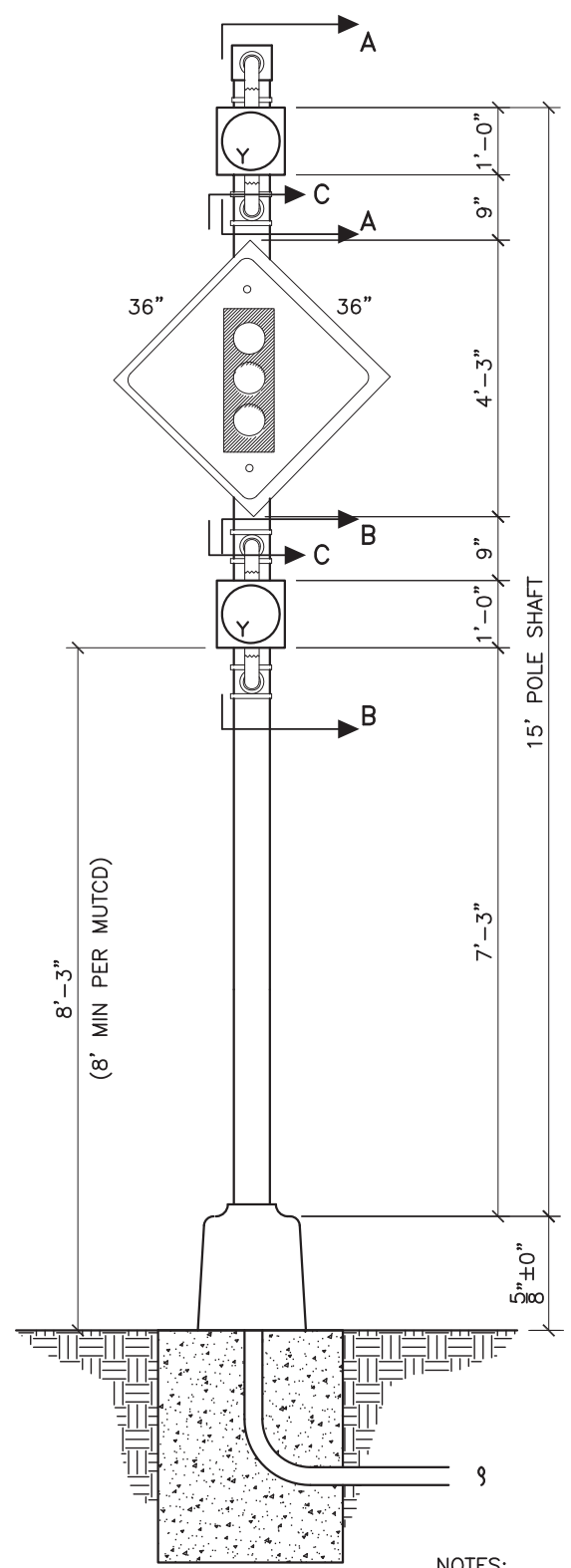
CAST ALUMINUM
BASE

RIGID ELECTRICAL
CONDUIT AS SHOWN
ON PLANS

SEE PEDESTAL
FOUNDATION DETAIL

SIDE VIEW

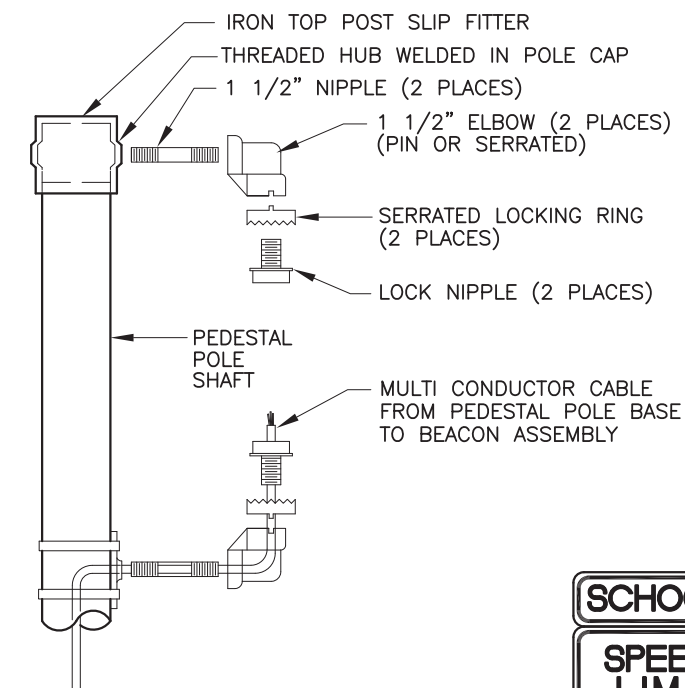
HAZARD IDENTIFICATION BEACON DETAIL



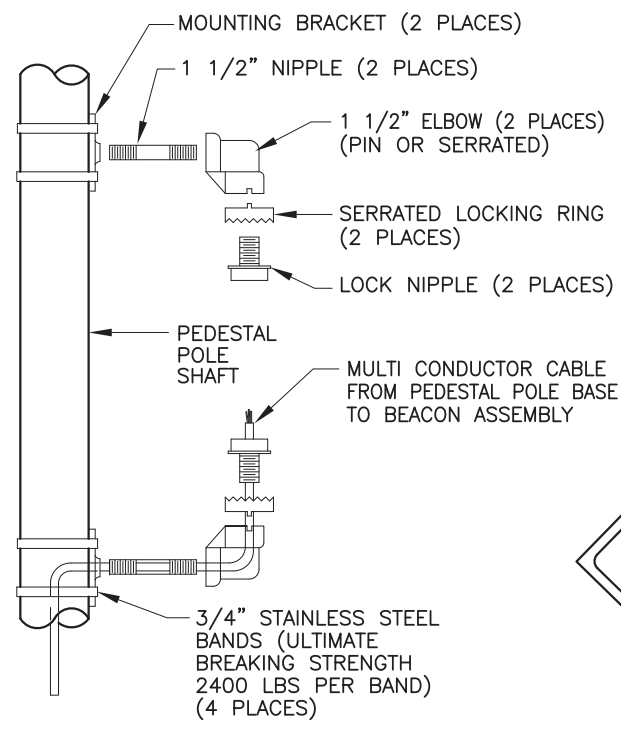
FRONT VIEW

NOTES:

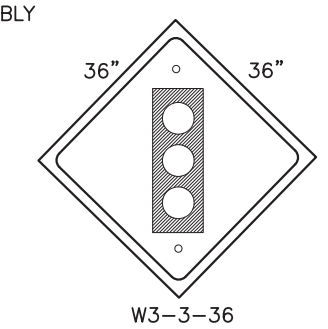
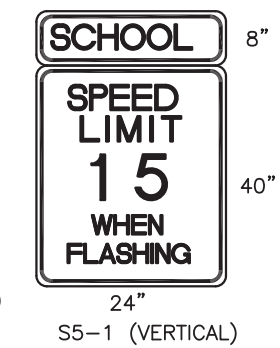
1. EACH WARNING TRAFFIC BEACON WILL BE MEASURED AND PAID FOR UNDER THE FOLLOWING ITEMS:
2. ITEM 0422.004 - TRAFFIC SIGNAL PEDESTAL POLE 15' (1 EACH BEACON)
3. ITEM 0423.001 - TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE (1 EACH BEACON)
4. ITEM 0427.001 - 1 SECTION TRAFFIC SIGNAL ASSEMBLY (2 EACH BEACON)
5. ITEM 0450.001 - ALUMINUM PANEL SIGNS (1 EACH BEACON)



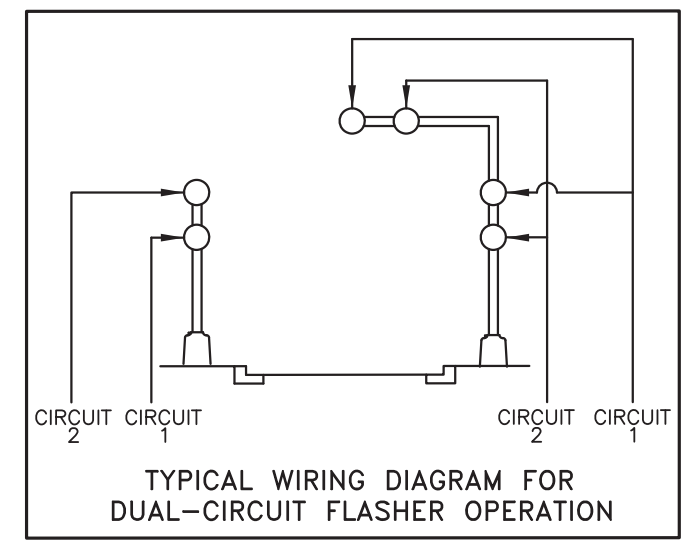
SECTION A-A



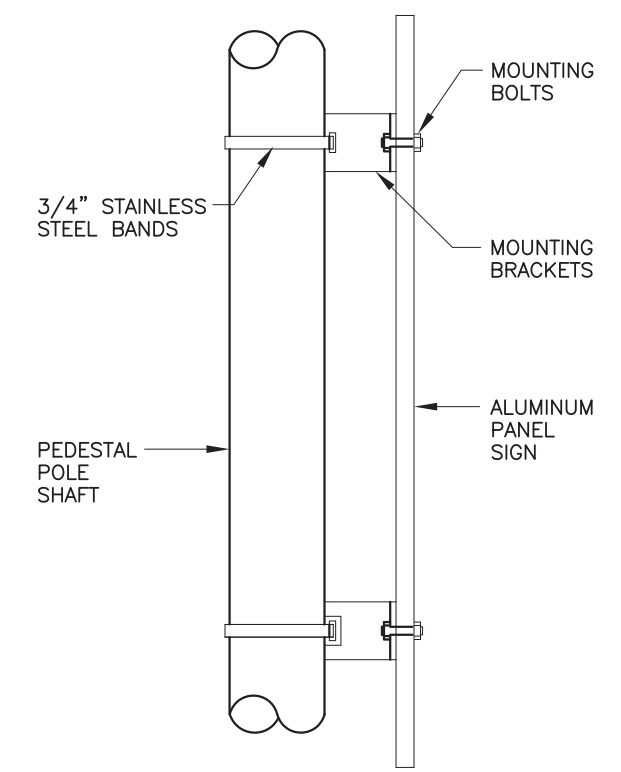
SECTION B-B



TYPICAL SIGN FACE DETAIL FOR HAZARD IDENTIFICATION BEACON



TYPICAL WIRING DIAGRAM FOR DUAL-CIRCUIT FLASHER OPERATION



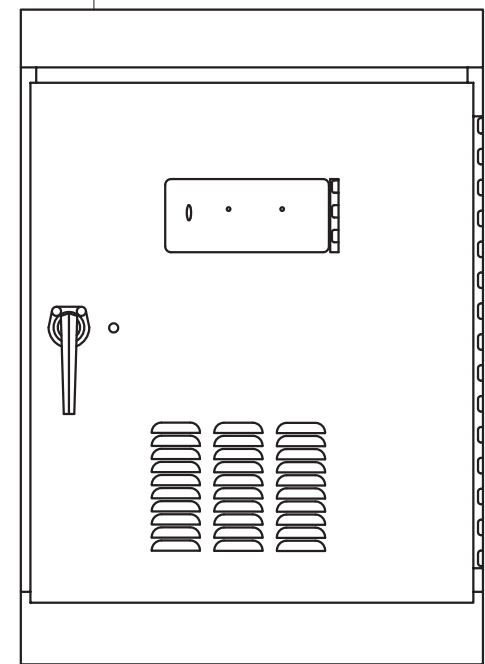
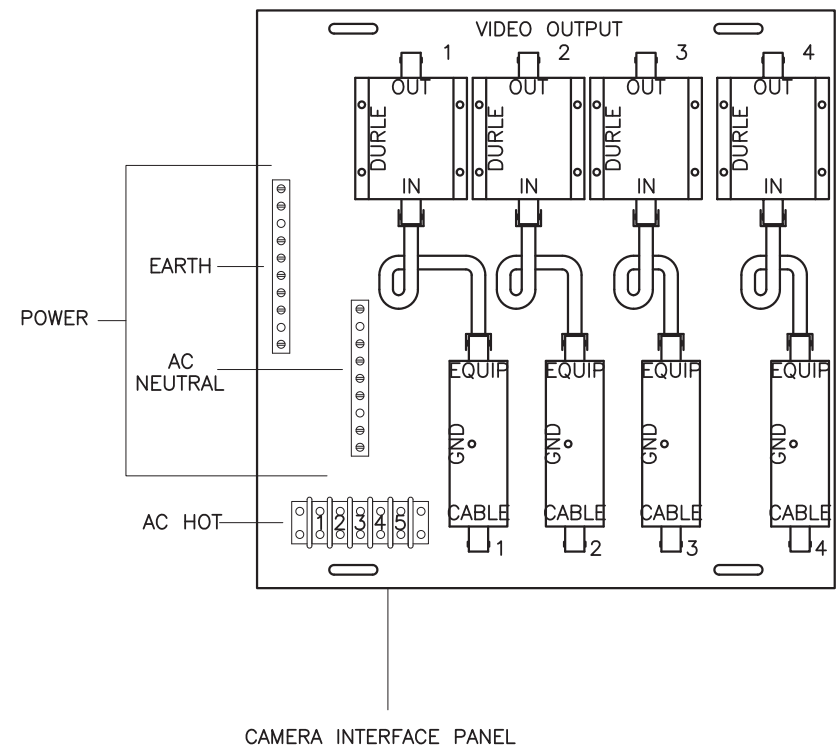
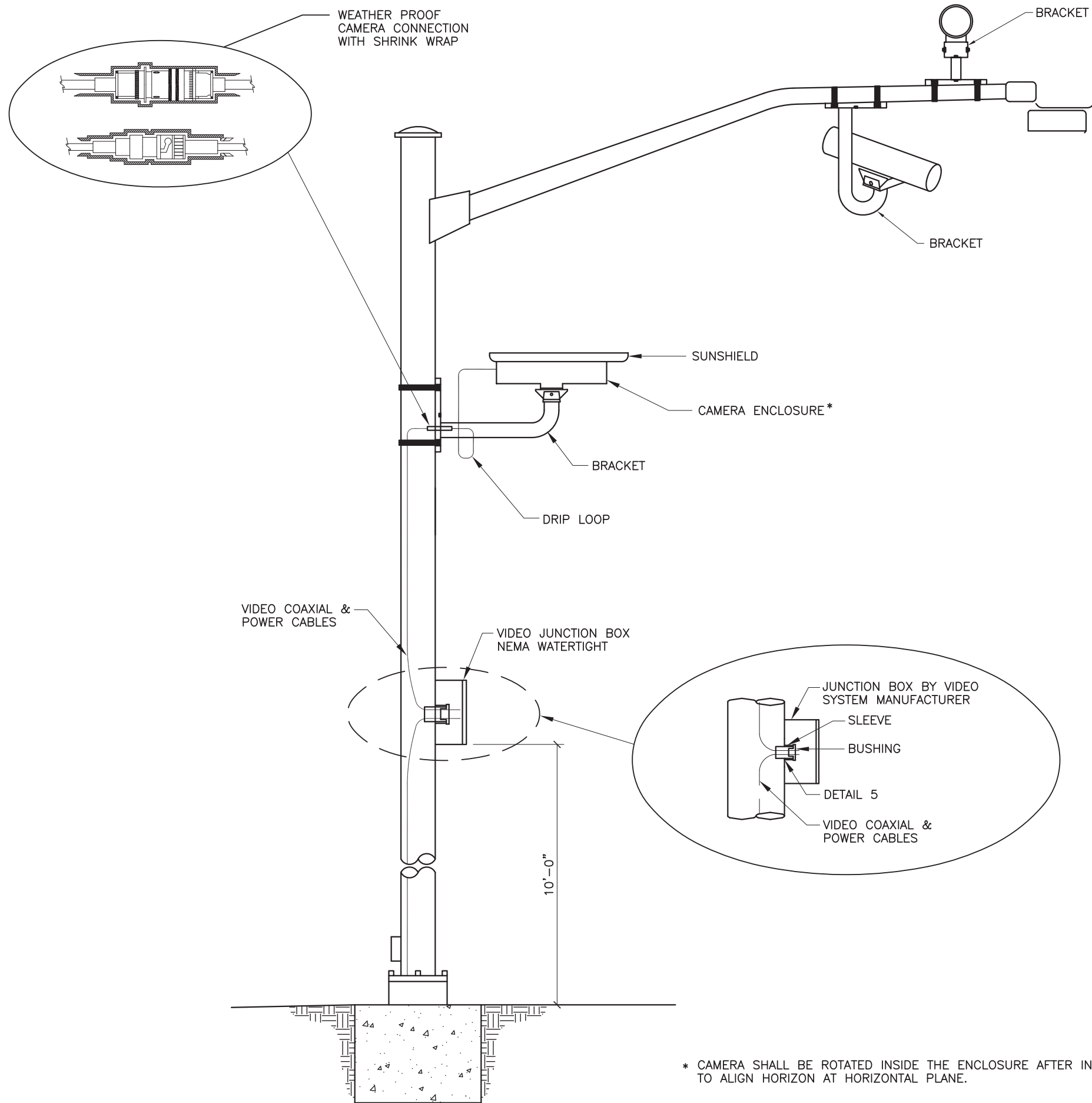
SIGN MOUNT DETAIL

SECTION C-C

COLORS

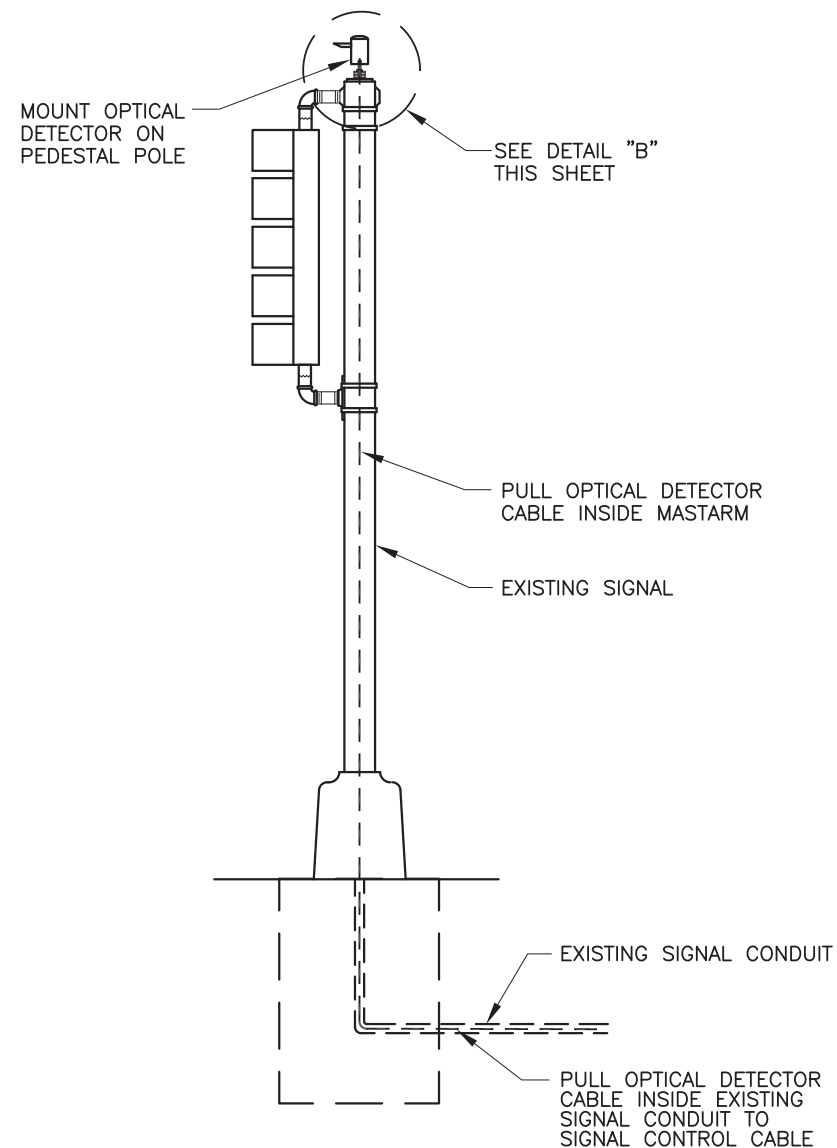
LEGEND: BLACK (NON-REFLECTIVE)
TOP PANEL: YELLOW
BOTTOM PANEL: WHITE
OUTSIDE BORDER: WHITE
INSIDE BORDER: BLACK

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL WARNING TRAFFIC BEACON DETAILS
	DWG. 2566b JANUARY 2003



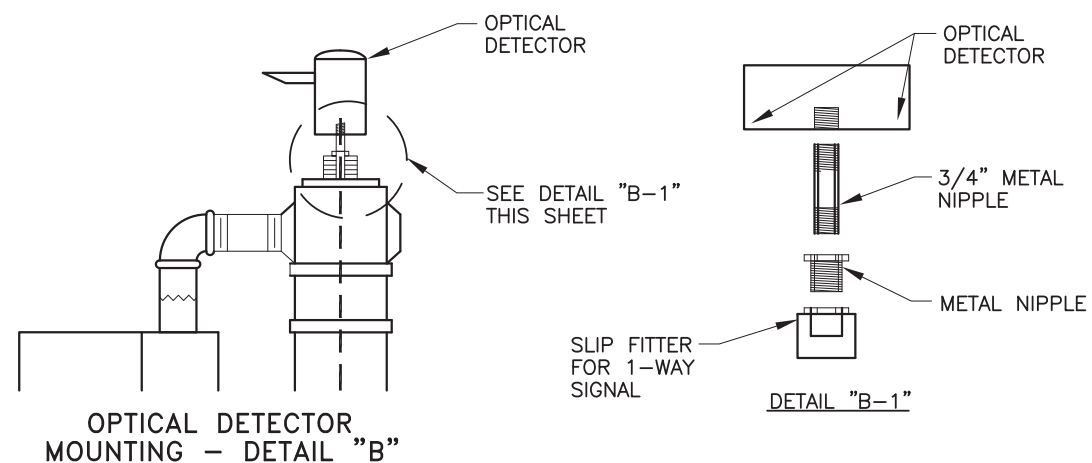
* CAMERA SHALL BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION, TO ALIGN HORIZON AT HORIZONTAL PLANE.

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL MACHINE VISION VEHICLE DETECTOR SYSTEMS
	DWG. 2568 JANUARY 2003

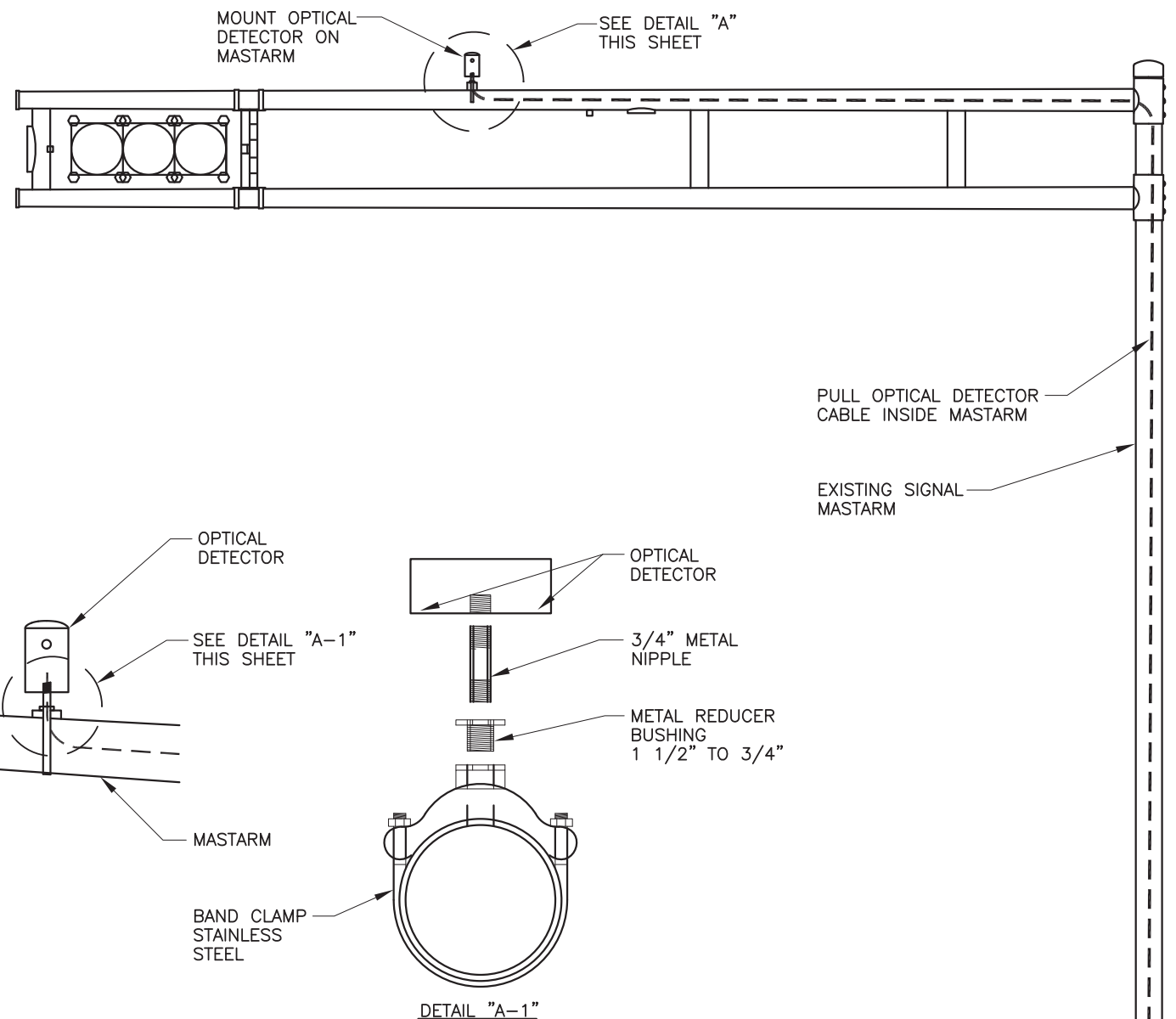


TYPICAL OPTICAL DETECTOR INSTALLATION – PEDESTAL POLE

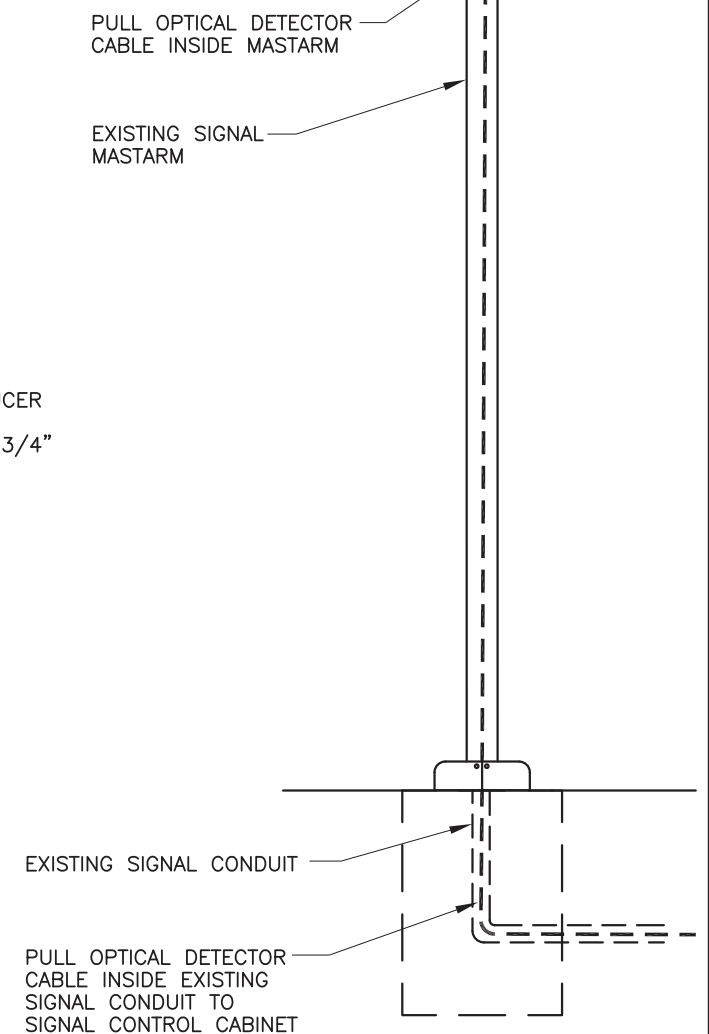
NOTE: OPTICAL DETECTOR SHALL ONLY BE MOUNTED ON PEDESTAL POLES WHEN THERE IS NO MASTARM.



OPTICAL DETECTOR MOUNTING – DETAIL "B"



OPTICAL DETECTOR MOUNTING – DETAIL "A"

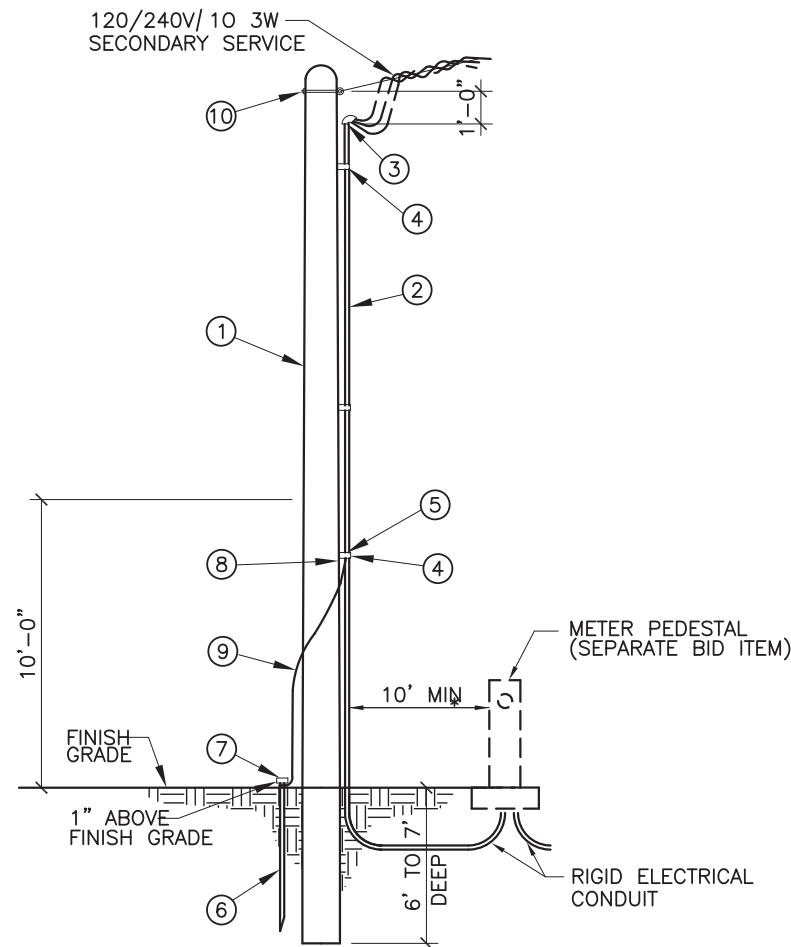


TYPICAL OPTICAL DETECTOR INSTALLATION – MASTARM

NOTES:

1. ALL OPTICAL DETECTOR MOUNTING HARDWARE SHALL CONFORM TO OPTICAL DETECTOR MANUFACTURER'S REQUIREMENTS.

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL OPTICAL DETECTOR INSTALLATION DETAILS
	DWG. 2569 JANUARY 2003

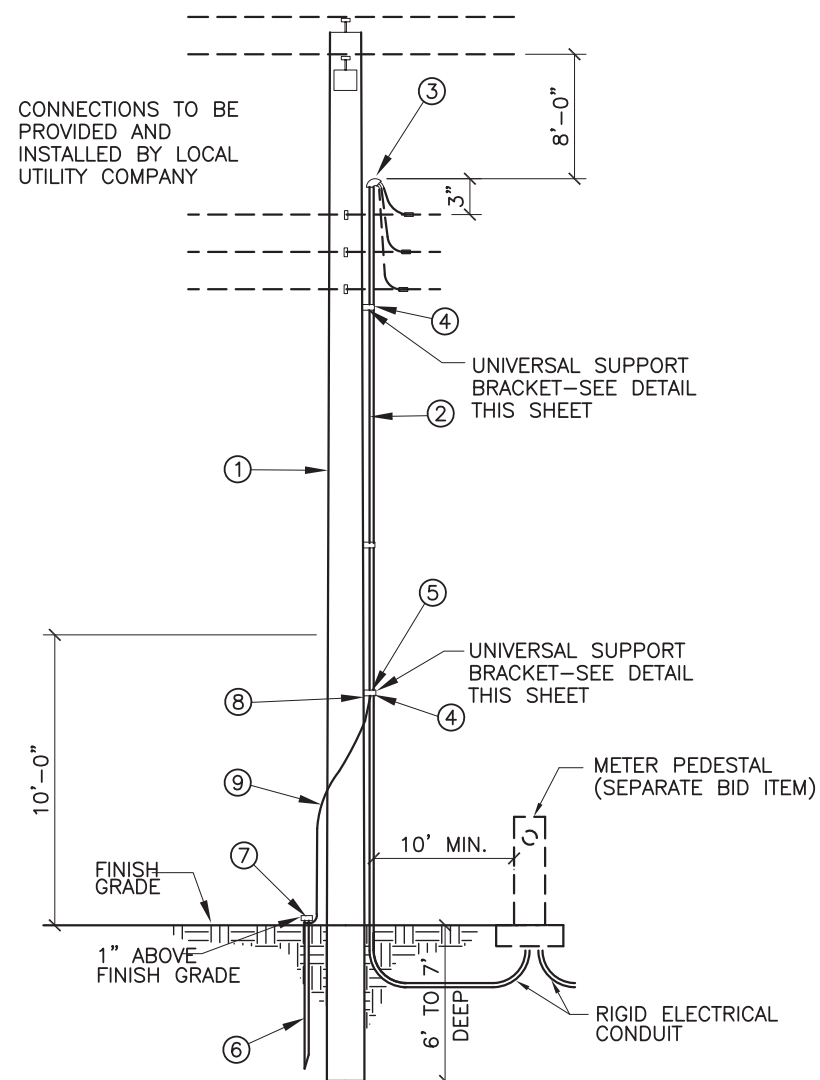


MATERIAL LIST

- ① 1 25' TREATED POLE
- ② 30' 2" GALVANIZED CONDUIT
- ③ 1 2" WEATHER HEAD
- ④ 2 UNIVERSAL SUPPORT BRACKET
- ⑤ 2 2" PIPE STRAP KIT
- ⑥ 1 COPPER WELD 3/4"x10'-0" GROUND ROD
- ⑦ 1 GROUND ROD CLAMP
- ⑧ 1 GROUND LUG
- ⑨ 10' #6 BARE COPPER GROUND WIRE
- ⑩ 1 5/8" EYE BOLT
40' 1/C #2 THW BLACK
40' 1/C #2 THW WHITE
40' 1/C #2 THW RED

SERVICE POLE (SIGNAL)

* CONDUIT AND WIRE EXTENDING MORE THAN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.

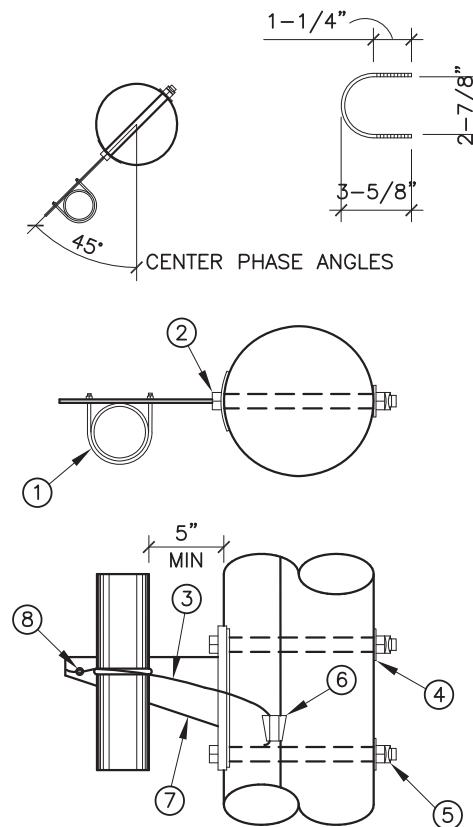


MATERIAL LIST

- ① 1 EXISTING POLE
- ② 40' 2" GALVANIZED CONDUIT
- ③ 1 2" WEATHER HEAD
- ④ 2 UNIVERSAL SUPPORT BRACKET
- ⑤ 2 2" PIPE STRAP KIT
- ⑥ 1 COPPER WELD 3/4"x10'-0" GROUND ROD
- ⑦ 1 GROUND ROD CLAMP
- ⑧ 1 GROUND LUG
- ⑨ 10' #6 BARE COPPER GROUND WIRE
50' 1/C #2 THW BLACK
50' 1/C #2 THW WHITE
50' 1/C #2 THW RED

SERVICE RISER (SIGNAL)

* CONDUIT AND WIRE EXTENDING MORE THAN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED



UNIVERSAL SUPPORT BRACKETS

MATERIAL LIST

- ① 1 U BOLT
- ② 5/8" MACHINE BOLTS
- ③ 3' #4 SOLID COPPER WIRE
- ④ 2 2-1/4" SQUARE WASHER
- ⑤ 2 5/8" MF LOCK NUT
- ⑥ 1 LINE TAP
- ⑦ 1 SUPPORT BRACKET
- ⑧ 1 GROUNDING LUG

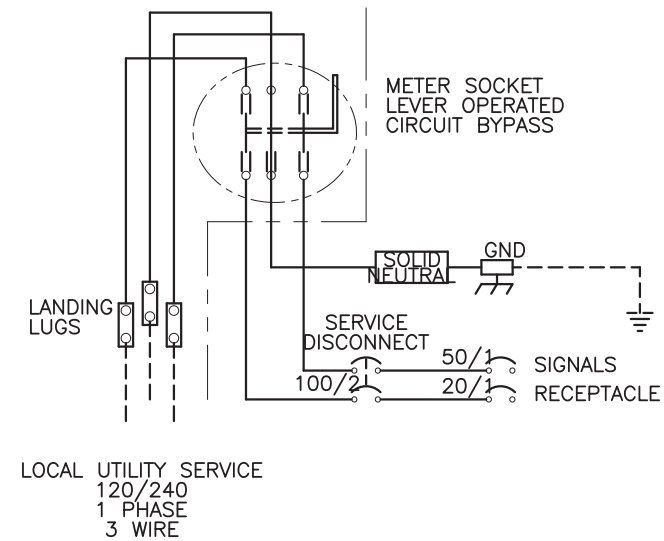
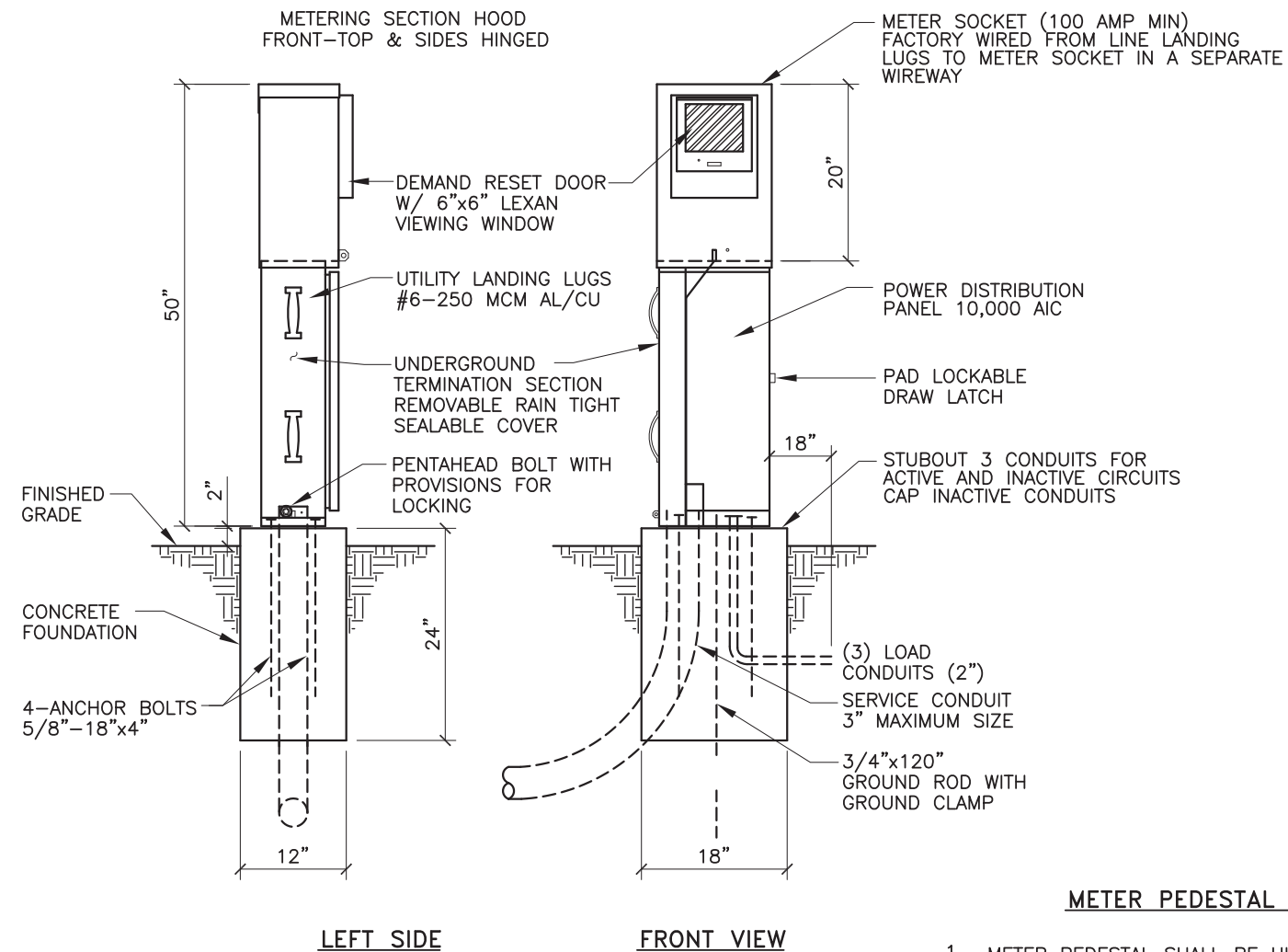
UNIVERSAL SUPPORT BRACKETS NOTES:

1. BRACKET TO BE FASTENED TO POLE WITH 5/8" GALVANIZED MACHINE BOLTS.
2. BRACKET SUITABLE FOR TWO 2" CONDUITS.
3. TWO HOLE STRAPS, ATTACHED AT 30" INTERVALS WITH 2" LAG SCREWS MAY BE USED INSTEAD OF THE SUPPORT BRACKET WHEN THE CONDUIT IS 1" OR LESS. A MAXIMUM OF TWO CONDUITS MAY BE STRAPPED DIRECTLY TO THE POLE.

SIGNAL SERVICE NOTES

1. ALL SIGNAL SERVICE DETAILS, MATERIALS, & INSTALLATION SHALL CONFORM TO THE LOCAL POWER COMPANY REQUIREMENTS.
2. CONTACT LOCAL POWER COMPANY CUSTOMER SERVICES FOR POLE QUADRANT FOR RISERS.
3. ALL ABOVE GRADE CONDUIT SHALL BE GALVANIZED.
4. RISER BRACKET ASSEMBLY MUST BE GROUNDED PER LOCAL POWER COMPANY REQUIREMENTS.
5. CONDUIT AND WIRE EXTENDING MORE THEN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.
6. UNIVERSAL SUPPORT BRACKETS WILL BE CONSIDERED INCIDENTAL.
7. DRILLING HOLES IN EXISTING STEEL POLES FOR UNIVERSAL SUPPORT BRACKETS WILL NOT BE PERMITTED. BRACKETS SHALL BE MOUNTED ON STEEL POLES WITH STAINLESS STEEL BANDS.
8. PROVIDE ONE 50A, SINGLE POLE, 120V CIRCUIT FOR CONTROLLER SIGNALS.

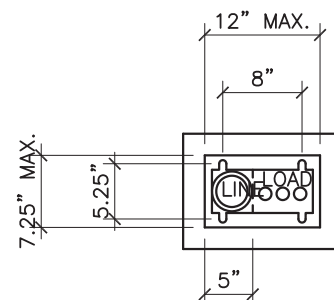
REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL ELECTRICAL SERVICE DETAILS
	DWG. 2570 JANUARY 2003



**SERVICE EQUIPMENT
WIRING DIAGRAM "A"**

METER PEDESTAL CONSTRUCTION NOTES

- METER PEDESTAL SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
- METER PEDESTAL SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSERC) GUIDELINES.
- CONSTRUCTION SHALL BE NEMA 3R AND 12, RAIN TIGHT AND DUST TIGHT. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
- NUTS, BOLTS, AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF METER PEDESTAL.
- PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
- CIRCUIT BREAKERS SHALL BE CABLE IN-CABLE OUT WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP="ON", MIDDLE="TRIPPED", DOWN="OFF".
- A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- METER PEDESTAL SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
- ALL POWDER COATED METER PEDESTAL SHALL HAVE A CORROSION RESISTANT COATING WHICH INCLUDES A FIVE STEP DIP TANK METAL PREPARATION PROCESS:
 - ALKALINE CLEANER 160° F.
 - CLEAR WATER RINSE.
 - IRON PHOSPHATE APPLICATION 150°.
 - CLEAR WATER RINSE.
 - INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES 120°.
 FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED @ 380° TO CURE.
- CONCRETE FOUNDATIONS INCLUDING EXCAVATION AND BACKFILL, CONCRETE, AND ANCHOR BOLTS, COMPLETE-IN PLACE, WILL BE CONSIDERED INCIDENTAL TO THE METER PEDESTAL.



BASE PLAN

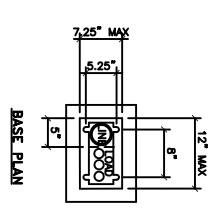
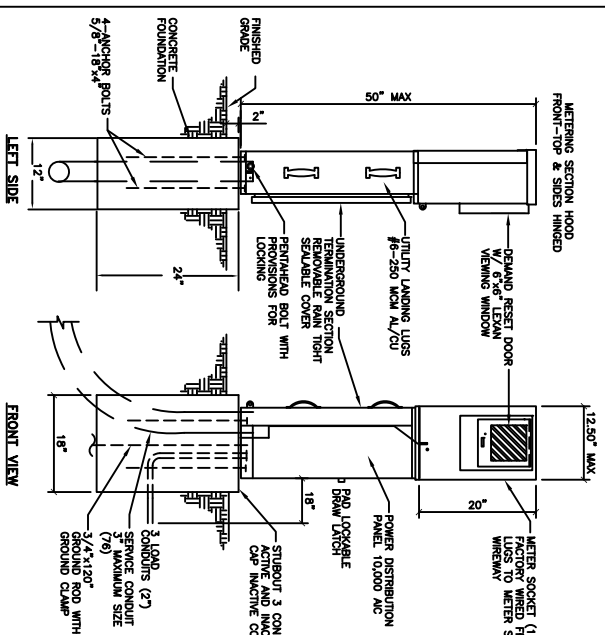
CONSTRUCTION MATERIALS AND FINISH

<input type="checkbox"/> 12 GA HD GALVANIZED SHEET STEEL	<input type="checkbox"/> POWDER COATED
<input type="checkbox"/> 14 GA #304D STAINLESS STEEL SHEET	<input type="checkbox"/> POWDER COATED COLOR:
	<input type="checkbox"/> NATURAL
<input type="checkbox"/> 0.125" ALUMINUM SHEET	<input type="checkbox"/> POWDER COATED COLOR:
	<input type="checkbox"/> ANODIZED

POWDER COAT COLORS

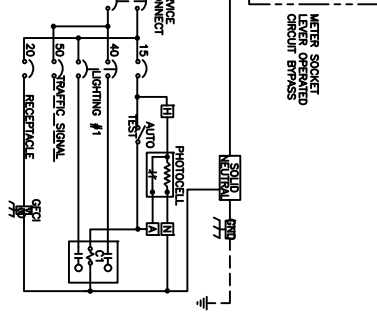
<input type="checkbox"/> WHITE	<input type="checkbox"/> RANCH GREEN
<input type="checkbox"/> MINT GREEN	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> CAMEL	

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL METER PEDESTAL DETAILS FOR SIGNAL
	DWG. 2571 JANUARY 2003



METER PEDestal CONSTRUCTION NOTES

1. METER PEDestal SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
2. METER PEDestal SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSERC) GUIDELINES.
3. CONSTRUCTION SHALL BE NEA 38 AND 12 RAIN TIGHT AND DUST TIGHT.
4. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
5. ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
6. NUTS, BOLTS, AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF METER PEDestal.
7. PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
8. CIRCUIT BREAKERS SHALL BE CABLE IN-CABLE OUT WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP="ON", MIDDLE="TRIPPED", DOWN="OFF".
9. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
10. METER PEDestal SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NECA STANDARDS.
11. ALL POWER COATED METER PEDestal SHALL HAVE A CORROSION RESISTANT COATING WHICH INCLUDES FACE, SIDES, TOP, AND INTERNAL INFILTRATION PROTECT.
12. CLEAN WATER RINSE.
13. CLEAN WATER RINSE.
14. CLEAN WATER RINSE.
15. INHIBITIVE RINSE TO SEAL, PHOSPHATED SURFACES 150°.
16. THEN BAKED @ 380 TO CURE.
17. CONCRETE FOUNDATIONS INCLUDING EXCAVATION AND BACKFILL, CONCRETE, AND ANCHOR BOLTS, COMPLETE-IN PLACE, WILL BE CONSIDERED INCIDENTAL TO THE METER PEDestal.
18. ALL WORK ASSOCIATED SHALL MEET THE MOST CURRENT NEC REQUIREMENTS



SERVICE EQUIPMENT WIRING DIAGRAM "B"

CONSTRUCTION MATERIALS AND FINISH	
<input type="checkbox"/> 12 GA HD GALVANIZED SHEET STEEL	
<input type="checkbox"/> POWDER COATED	
<input type="checkbox"/> 14 GA #3040 STAINLESS STEEL SHEET	
<input type="checkbox"/> POWDER COATED COLOR:	
<input type="checkbox"/> NATURAL	
<input type="checkbox"/> 0.125" ALUMINUM SHEET	
<input type="checkbox"/> POWDER COATED COLOR:	
<input type="checkbox"/> ANODIZED	

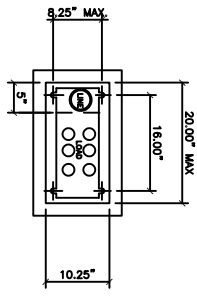
POWDER COAT COLORS

- ☐ WHITE
- ☐ RANCH GREEN
- ☐ MINT GREEN
- ☐ OTHER _____
- ☐ CAMEL

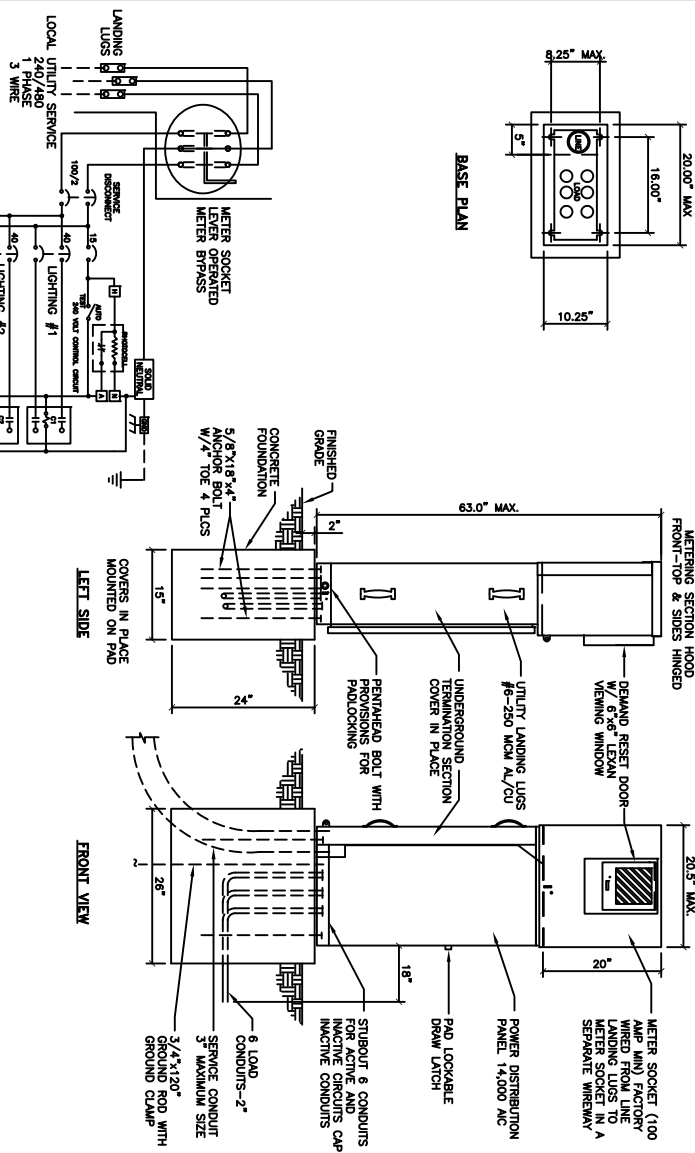
PHOTO ELECTRIC CELL

- ☐ ON LIGHT POLE
- ☐ IN SERVICE CABINET

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC SIGNAL
	METER PEDestal DETAILS
	COMBINATION SIGNALS & LIGHTING
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BASE PLAN



FRONT VIEW

CONSTRUCTION MATERIALS AND FINISH

<input type="checkbox"/> 12 GA HD GALVANIZED SHEET STEEL	<input type="checkbox"/>
<input type="checkbox"/> POWDER COATED	<input type="checkbox"/>
<input type="checkbox"/> 14 GA #304L STAINLESS STEEL SHEET	<input type="checkbox"/>
<input type="checkbox"/> POWDER COATED COLOR: NATURAL	<input type="checkbox"/>
<input type="checkbox"/> 0.125" ALUMINUM SHEET	<input type="checkbox"/>
<input type="checkbox"/> POWDER COATED COLOR: ANODIZED	<input type="checkbox"/>

POWDER COAT COLORS

<input type="checkbox"/> WHITE	<input type="checkbox"/> RANCH GREEN
<input type="checkbox"/> MINT GREEN	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> CAMEL	

PHOTO ELECTRIC CELL

<input type="checkbox"/> ON LIGHT POLE
<input type="checkbox"/> IN SERVICE CABINET

CONTROL CABINET CONSTRUCTION NOTES

- CONTROL CABINET SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
- CONTROL CABINET SHALL MEET THE ELECTRIC CONTROL SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (ECCS) GUIDELINES.
- CONSTRUCTION SHALL BE NEMA 3R AND 12, RAIN TIGHT AND DUST TIGHT. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
- NUTS, BOLTS & SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF CABINET.
- PHENOLIC NAMEPLATES SHALL BE PROVIDED AS REQUIRED.
- CIRCUIT BREAKERS SHALL BE CABLE IN-CABLE OUT WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP="ON", MIDDLE="TRIPPED", DOWN="OFF".
- A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- CABINET SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
- ALL POWDER CONTROL COATED CONTROL CABINETS SHALL HAVE A CORROSION RESISTANT TANK METAL FINISHING PROCESS:
 - CLEAR WATER RINSE
 - IRON PHOSPHATE APPLICATION 150° F.
 - CLEAR WATER RINSE
 - IMBIBING RINSE TO SEAL PHOSPHATED SURFACES 110° F.
 - FINISHING RINSE TO SEAL PHOSPHATED SURFACES 110° F.
- CONCRETE FOUNDATIONS FOR CONTROL CABINET INCLUDING EXCAVATION AND BACKFILL, CONCRETE, GROUND RODS AND ANCHOR BOLTS, COMPLETE IN PLACE, WILL BE CONSIDERED INCIDENTAL TO THE METER CONTROL CABINET.
- ALL WORK ASSOCIATED SHALL MEET MOST CURRENT NEC AND IBC REQUIREMENTS

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	TRAFFIC STREET LIGHTING CIRCUIT, METERED
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