

# IMPERIAL COUNTY TRANSPORTATION COMMISSION BUS STOP IMPROVEMENT PROJECT

## CITY OF EL CENTRO, CALIPATRIA AND CITY OF WESTMORLAND



VICINITY MAP

### SURVEY CONTROL

#### CITY OF EL CENTRO, CA.

##### BENCHMARK

FOUND 4" BRASS CAP IN CENTERLINE OF HEADWALL AG12 1947 RESET USGS.

ELEVATION= -40.49' NAVD88

EQUATION= ADD 1000' TO OBTAIN A POSITIVE ELEVATION NUMBER

VALUES= A PROJECT BENCHMARK HEIGHT OF 959.51'  
N:1871618.85' E:6770705.40'

##### CONTROL POINTS

EQUATION= ADDED 1000' TO OBTAIN A POSITIVE ELEVATION NUMBER

1. FOUND 2" CDT CO OF IMP GPS 0004 1995 IN NW WING OF CHEEK GATE  
ELEVATION= A PROJECT TEMPORARY BENCHMARK HEIGHT OF 957.16'  
N:1871080.58' E:6786491.27'

2. FOUND 4" BRASS CAP IN CONC IVPN DEAL GPS-25-1994, 1979.  
ELEVATION= A PROJECT TEMPORARY BENCHMARK HEIGHT OF 999.96'  
N:1861994.86' E:6800282.01'

3. FOUND 3" BRASS CAP CAL DOT IN CONC IWPV MCCABERM1  
ELEVATION= A PROJECT TEMPORARY BENCHMARK HEIGHT OF 976.92'  
N:1854461.36' E:6791948.61'

4. FOUND 4" BRASS CAP IN N WING INTER RM 1 1979 CAL DOT  
ELEVATION= A PROJECT TEMPORARY BENCHMARK HEIGHT OF 996.60'  
N:1846526.94' E:6792893.02'

#### CITY OF CALIPATRIA, CA.

##### BENCHMARK

FOUND 4" BRASS CAP USGS IN HANDHOLD 1971 Z1225.

ELEVATION= -176.48' NAVD88

EQUATION= ADD 1000' TO OBTAIN A POSITIVE ELEVATION NUMBER

VALUES= A PROJECT BENCHMARK HEIGHT OF 823.52'  
N:1989978.48' E:6788487.50'

##### CONTROL POINTS

EQUATION= ADDED 1000' TO OBTAIN A POSITIVE ELEVATION NUMBER

1. FOUND 4" CDOT BRASS CAP IN NE CORNER OF HEADWALL 1982 MONTEY AZ  
ELEVATION= A PROJECT TEMPORARY BENCHMARK HEIGHT OF 817.31'  
N:1998120.04' E:6785357.21'

2. FOUND STEEL ROD IN HANDHOLE  
ELEVATION= A PROJECT TEMPORARY BENCHMARK HEIGHT OF 814.75'  
N:1991869.99' E:6784204.37'

3. FOUND 4" BRASS CAP 18" DEEP USGS N-69  
ELEVATION= A PROJECT TEMPORARY BENCHMARK HEIGHT OF 830.41'  
N:1981678.89' E:6788677.83'

#### CITY OF WESTMORLAND

##### BENCHMARK

FOUND 3" BRASS CAP IN CHEEK GATE CO-C-14 IMPERIAL COUNTY SURV. 1995 RESET.

ELEVATION= -50.247' NAVD88

EQUATION= ADD 1000' TO OBTAIN A POSITIVE ELEVATION NUMBER

VALUES= A PROJECT BENCHMARK HEIGHT OF 835.15'  
N:1955193.20' E:6759534.43'

##### CONTROL POINTS

EQUATION= ADDED 1000' TO OBTAIN A POSITIVE ELEVATION NUMBER

1. FOUND 4" BRASS CAP IN HEADWALL AZ N3 1934, 1978 NGS.  
ELEVATION= A PROJECT TEMPORARY BENCHMARK HEIGHT OF 851.22'  
N:1955193.20' E:6759534.43'

FOUND 4" BRASS CAP IN HANDHOLE V1225.  
ELEVATION= A PROJECT TEMPORARY BENCHMARK HEIGHT OF 886.26'  
N:1937979.58' E:6782918.54'

### GENERAL NOTES

- UTILITIES**  
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT USA NORTH 811 DIAL 8-1-1 OR 800-642-2444 FOR A LOCATE OF CONSTRUCTION AREA UNDERGROUND UTILITIES. CONTRACTOR SHALL ALLOW 72 HOURS BEFORE ANY EXCAVATION BEGINS. OMISSION FROM, OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF, OR A DEFINITE LOCATION OF, EXISTING UNDERGROUND UTILITIES. THE LOCATION OF UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS IS APPROXIMATE. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES.
- DUST CONTROL**  
DUE TO THE LOCATION OF THE WORK, THE CONTRACTOR SHALL MAKE SPECIAL EFFORTS TO CONTROL DUST DURING THE PROCESS OF THE WORK. DUST SHALL BE CONTROLLED TO A MINIMUM BY REGULAR APPLICATIONS OF WATER AS NECESSARY OR AS DIRECTED BY THE ENGINEER. CONTRACTOR TO CONDUCT STREET SWEEPING EACH DAY AT CLOSE OF BUSINESS TO REMOVE CONSTRUCTION DEBRIS. INCREASE FREQUENCY IF DEBRIS ARE NOTICEABLE WITHIN THE TRAVELED WAY.
- BARRICADES**  
CONTRACTOR SHALL PROVIDE LIGHTED BARRICADES POSITIONED ON FOUR FOOT CENTERS AROUND THE PERIMETER OF OPEN EXCAVATIONS AT THE CONCLUSION OF THE WORK DAY. TWO STRANDS OF BARRIER TAPE SHALL BE TIED AROUND THE BARRICADED AREA.
- CLEANUP**  
THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL UNCLASSIFIED EXCAVATION MATERIAL, EXISTING PAVEMENT, CONCRETE DEBRIS AND ALL OTHER MATERIAL RESULTING FROM DEMOLITION ACTIVITIES.
- PERMITS**  
THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND BUSINESS LICENSES AND SHALL NOTIFY THE CITIES AT LEAST 72 HOURS PRIOR TO COMMENCING WORK AND AT LEAST 48 HOURS PRIOR TO REQUIRING AN INSPECTION.
- SANITARY FACILITIES**  
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SANITARY FACILITIES ON THE LOCALE OF THE PROJECT FOR USE BY THE CONTRACTOR'S EMPLOYEES.
- TRAFFIC CONTROL**  
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AND MAINTAIN PROPER SIGNS, BARRICADES AND WARNING LIGHTS TO CONTROL THE TRAFFIC AND TO ASSURE THE PUBLIC'S HEALTH, WELFARE AND SAFETY. ALL DEVICES MUST CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- ACCESS TO ADJACENT PROPERTY**  
ACCESS TO ADJACENT PROPERTIES, CROSS STREETS OR USE OF STREETS SCHEDULED FOR IMPROVEMENT MUST BE REASONABLY MAINTAINED FOR NORMAL ACCESS AND LOCAL RESIDENTS.
- POWER LINES**  
THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH OVERHEAD ELECTRIC LINE CONDITIONS AND TAKE NECESSARY PRECAUTIONS TO PROTECT AGAINST INJURY AND DAMAGE DURING CONSTRUCTION.

- WORK ZONE IDENTIFICATION**  
PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK ZONE IDENTIFICATION SIGN DETAIL FOR APPROVAL.
- AS-BUILT DRAWINGS**  
THE CONTRACTOR SHALL MAINTAIN ONE CLEAN SET OF PROJECT PLANS ON THE JOB SITE AND SHALL RECORD IN RED COLORED PENCIL ALL CASES WHERE ACTUAL FIELD CONSTRUCTION DIFFERS FROM WORK SHOWN ON THE PLANS. ALL CONCEALED WORK AND UTILITY LOCATIONS SHALL BE DIMENSIONED AND REFERENCED. THE MARKED-UP SET OF DRAWINGS SHALL BE DELIVERED TO THE CITY IN JURISDICTION UPON COMPLETION OF THE WORK WHICH SHALL REFLECT "AS-BUILT" MODIFICATIONS.
- SIGNS**  
STOP SIGNS, YIELD SIGNS AND ALL OTHER TRAFFIC CONTROL SIGNS SHALL BE MOVED IF NECESSARY DURING THE CONSTRUCTION PROCESS AND BE REPOSITIONED TEMPORARILY IN A LOCATION DETERMINED BY THE ENGINEER. STOP SIGNS AND YIELD SIGNS SHALL NOT BE TAKEN OUT OF SERVICE BUT RATHER RELOCATED IN A VISIBLE LOCATION. OTHER SIGN SHALL BE STORED BY THE CONTRACTOR DURING THE CONSTRUCTION PHASE OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT ALL SIGNS SHALL BE POSITIONED IN A PERMANENT LOCATION AS DETERMINED BY THE ENGINEER. STOP SIGNS AND STREET NAME SIGNS ARE TO BE POSITIONED AT INTERSECTIONS AS ILLUSTRATED ON THE PLANS.
- CHANGES**  
THE CONTRACTOR SHALL NOTIFY THE CITY AND THE ENGINEERS IMMEDIATELY OF ANY CONDITIONS REQUIRING CHANGE TO THE PLANS.
- CONSTRUCTION STAKING**  
CONSTRUCTION STAKING SHALL BE DONE UNDER THE SUPERVISION OF A REGISTERED ENGINEER OR REGISTERED LAND SURVEYOR.
- SPECIFICATIONS**  
ALL MATERIALS AND CONSTRUCTION HEREON SHALL CONFORM TO CITY IN JURISDICTION STANDARD SPECIFICATIONS AND CONSTRUCTION STANDARDS.
- ANY ITEM OF WORK CALLED OUT BY THE CONTRACT PLANS OR SPECIFICATIONS AND NOT SPECIFICALLY NOTED AS A BID ITEM ON THE PROPOSAL SHALL BE CONSIDERED INCIDENTAL TO SAID BID ITEM.
- ALL MATERIAL SUPPLIED MUST BE SUBMITTED AS "SUBMITTALS FOR CONSTRUCTION".

### DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT (PLANS DESCRIBED ON THE SHEET INDEX SHOWN ON THIS SHEET), THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF EL CENTRO, CALIPATRIA AND WESTMORLAND IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

NICKLAUS ENGINEERING, INC.  
1851 W 24TH ST.  
YUMA, AZ 85364  
PH. (928)-344-8374

 06/19/25

ANTONIO ALVAREZ, P.E. DATE  
REG. NO. C79509  
EXP. 03/31/2026

### SHEET INDEX

- C-1 COVER, SHEET INDEX AND LEGEND
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- C-3 ROSS AVENUE BUS SHELTER IMPROVEMENTS - CITY OF EL CENTRO
- C-4 AURORA AVENUE BUS SHELTER DEMO & IMPROVEMENTS - CITY OF EL CENTRO
- C-5 DANENBERG DR & PLAZA DR BUS SHELTER IMPROVEMENTS - CITY OF EL CENTRO
- C-6 CRUICKSHANK DRIVE - CITY OF EL CENTRO
- C-7 ORANGE AVE AND DOGWOOD ROAD - CITY OF EL CENTRO
- C-8 1ST STREET AND BRIGHTON AVENUE - CITY OF EL CENTRO
- C-9 BUS SHELTER DETAIL - CITY OF EL CENTRO
- C-10 BUS SIGN POLE DETAIL - CITY OF EL CENTRO
- C-11 MAIN ST AND PARK AVE BUS SHELTER IMPROVEMENTS - CITY OF CALIPATRIA
- C-12 CALIFORNIA ST & BROWN AVE BUS SHELTER IMPROVEMENTS - CITY OF CALIPATRIA
- C-13 COMMERCIAL AVE & BONITA PL BUS SHELTER IMPROVEMENTS - CITY OF CALIPATRIA
- C-14 BUS SHELTER DETAIL - CITY OF CALIPATRIA
- C-15 BENCH AND BUS SIGN POLE DETAIL - CITY OF CALIPATRIA
- C-16 TRASH RECEPTACLE DETAIL - CITY OF CALIPATRIA
- C-17 MAIN ST & CENTER ST BUS SHELTER IMPROVEMENTS - CITY OF WESTMORLAND
- C-18 BUS SHELTER DETAIL - CITY OF WESTMORLAND
- C-19 BENCH DETAIL - CITY OF WESTMORLAND
- C-20 BUS SIGN POLE DETAIL - CITY OF WESTMORLAND

### NAME & ADDRESS OF CLIENT

IMPERIAL COUNTY TRANSPORTATION COMMISSION  
150 NORTH IMPERIAL AVENUE, SUITE 104  
EL CENTRO, CA 92243

### PROJECT ADDRESS

- CITY OF EL CENTRO, CA 92243
- EL CENTRO PUBLIC LIBRARY (FRONTAGE ROAD)
  - E DANENBERG DR. AND PLAZA DR (NEAR STARBUCKS)
  - ROSS AVENUE AND 10TH ST (NEAR BUCKLIN PARK)
  - AURORA AVENUE AND 11TH ST
  - CRUICKSHANK DRIVE
  - ORANGE AVE AND DOGWOOD ROAD
  - 1ST STREET AND BRIGHTON AVENUE

- CITY OF CALIPATRIA
- MAIN ST AND PARK AVENUE
  - CALIFORNIA ST AND BROWN AVENUE
  - S COMMERCIAL AND BONITA PLACE

- CITY OF WESTMORLAND
- MAIN ST AND CENTER ST

### ENGINEER

NICKLAUS ENGINEERING INC.  
ANTONIO ALVAREZ, PE  
1851 W. 24TH STREET #101  
YUMA, AZ 85364



### UTILITY WARNING

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR AND ENGINEER OF RECORD MAKE NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR AND ENGINEER OF RECORD FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR AND ENGINEER OF RECORD HAVE NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

### ICTC- BUS STOP IMPROVEMENTS

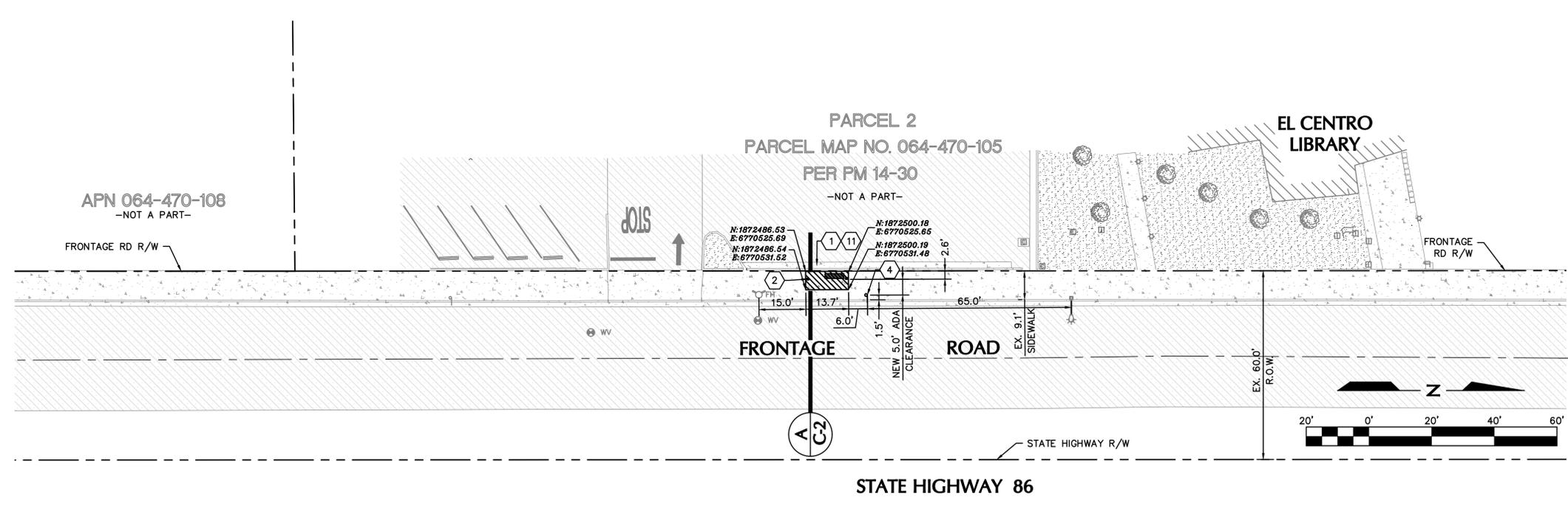
COVER, INDEX SHEET AND LEGEND

**NICKLAUS**  
ENGINEERING, INC.  
1851 West 24th Street Yuma, Arizona 85364  
Phone: (928) 344-8374  
www.neiaw.com

SCALE: AS SHOWN  
DATE: JUN 1, 2025  
DES. BY: RVC  
DRAWN BY: PM  
SURVEYED BY: JD  
JOB. No.: 024-0018  
SHEET 1 OF 20

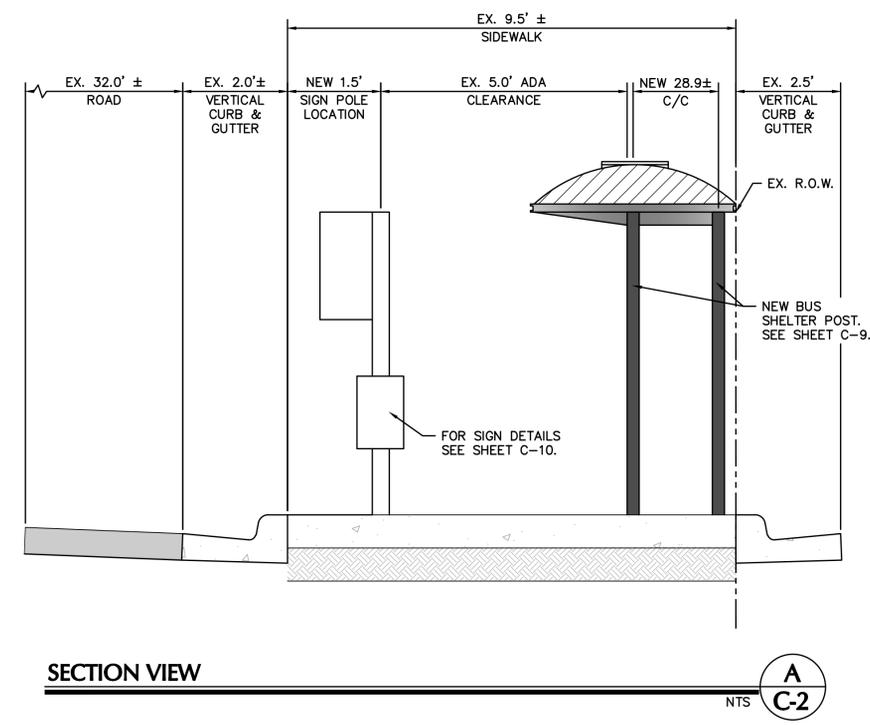
C-1

N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06\_Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF EL CENTRO 04-7-25.dwg



### LEGEND

	FOUND SURVEY MONUMENT AS NOTED
	CENTER/SECTIONAL LINE
	EXISTING RIGHT OF WAY LINE
	EXISTING STRIPING
	EXISTING LOT LINE
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE
	EXISTING BUILDING
	EXISTING LANDSCAPED AREA
	NEW CONCRETE
	EXISTING WATER VALVE
	EXISTING ELECTRICAL BOX
	EXISTING TELEPHONE JUNCTION BOX
	EXISTING POWER POLE
	EXISTING STOP SIGN
	EXISTING SIGN
	EXISTING LIGHT POLE
	EXISTING COMMUNICATION BOX
	EXISTING FIRE HYDRANT
	EXISTING LUMIN
	EXISTING FLAG
	EXISTING GAS VALVE
	EXISTING IRRIGATION BOX
	EXISTING MAIL BOX
	EXISTING TREE
	EXISTING PALM TREE
	EXISTING TRAFFIC LIGHT

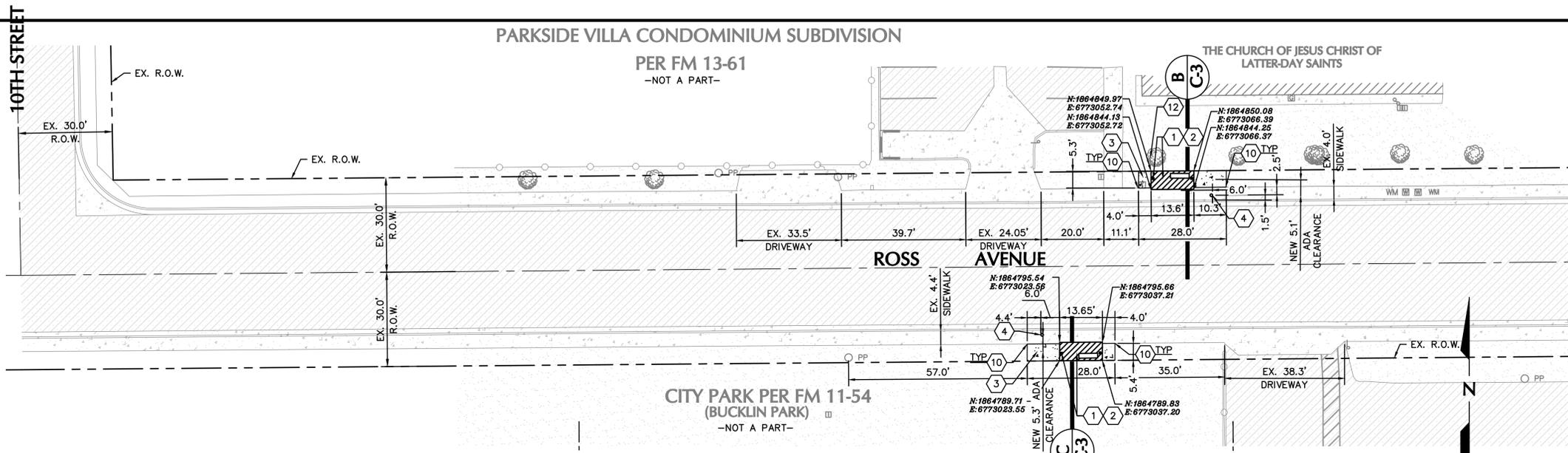


- ### SCHEDULE OF WORK
- 1 NEW 14' AD HIGH DOME SHELTER WITH 6-FT PERF. BENCH, TWO SINGLE AD PANELS AT REAR AS PER TOLAR MANUFACTURING COMPANY, INC. DWG No. 39350-00 DATED ON 01/09/2021. . . . . SEE DETAIL
  - 2 NEW SHELTER POST, 3 SCH 40 ALUMINUM PIPE. . . . . SEE DETAIL
  - 3 NEW 4" THICK 2500 PSI CONCRETE SHELTER PAD
  - 4 NEW BUS SIGN POLE. . . . . SEE DETAIL
  - 5 REMOVE EXISTING BENCH AND SALVAGE TO THE CITY OF EL CENTRO.
  - 6 REMOVE EXISTING SIGN AND SALVAGE TO THE CITY OF EL CENTRO.
  - 7 REMOVE AND PROPERLY DISPOSE OF EXISTING CONCRETE SLAB.
  - 8 REMOVE AND PROPERLY DISPOSE OF EXISTING TREE.
  - 9 REMOVE AND PROPERLY DISPOSE OF EXISTING CURB.
  - 10 CONSTRUCT TO MATCH WITH EXISTING IMPROVEMENTS.
  - 11 CONTRACTOR TO INSTALL BUS SHELTER ON EXISTING SIDEWALK.
  - 12 CONTRACTOR TO PROTECT EX. TREE DURING CONSTRUCTION

<b>ICTC- BUS STOP IMPROVEMENTS CITY OF EL CENTRO</b>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">SCALE: AS SHOWN DATE: JUN , 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 2 OF 19</td> </tr> <tr> <td style="text-align: center;">   <b>NICKLAUS</b>                  ENGINEERING, INC.                  1851 West 24th Street Yuma, Arizona 85364                  Phone: (928) 344-8374                  www.neiaw.com             </td> </tr> </table>	SCALE: AS SHOWN DATE: JUN , 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 2 OF 19	 <b>NICKLAUS</b> ENGINEERING, INC. 1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com
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THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REUSE, REPRODUCTION, OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH THE ENGINEER, WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF THE ACCEPTANCE OF THESE RESTRICTIONS.

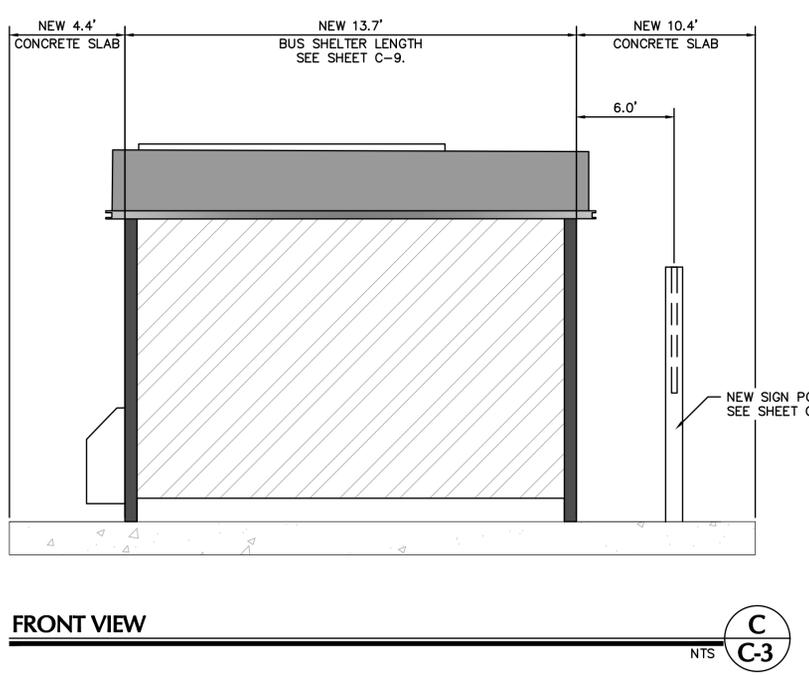
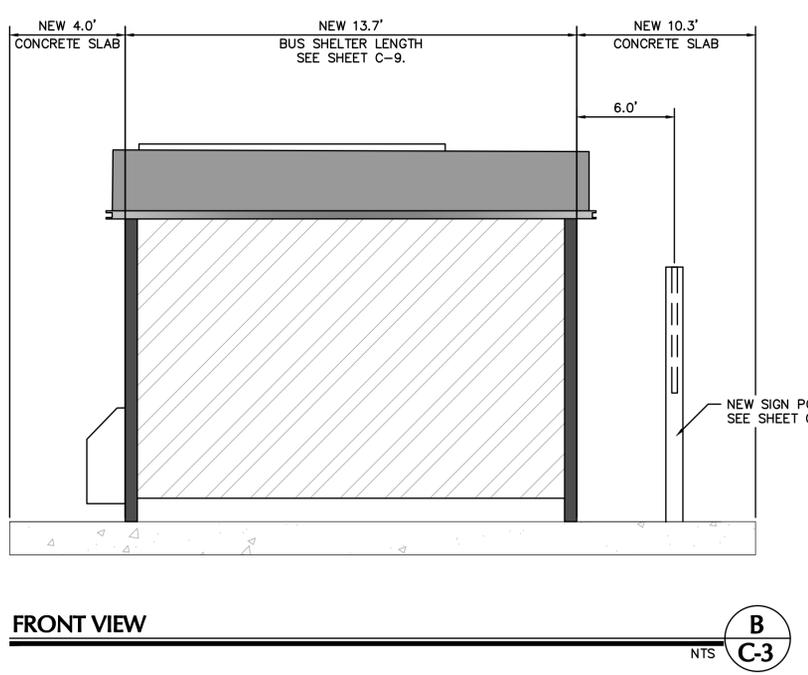
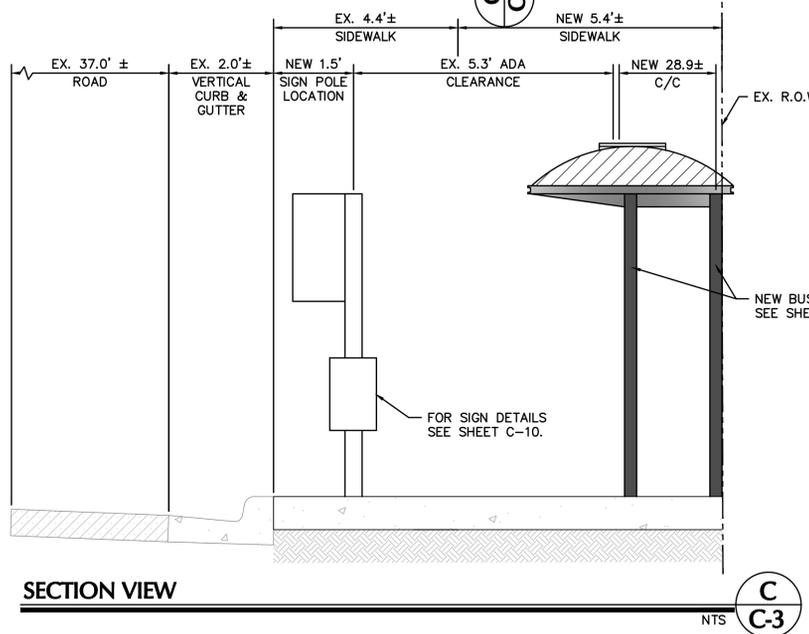
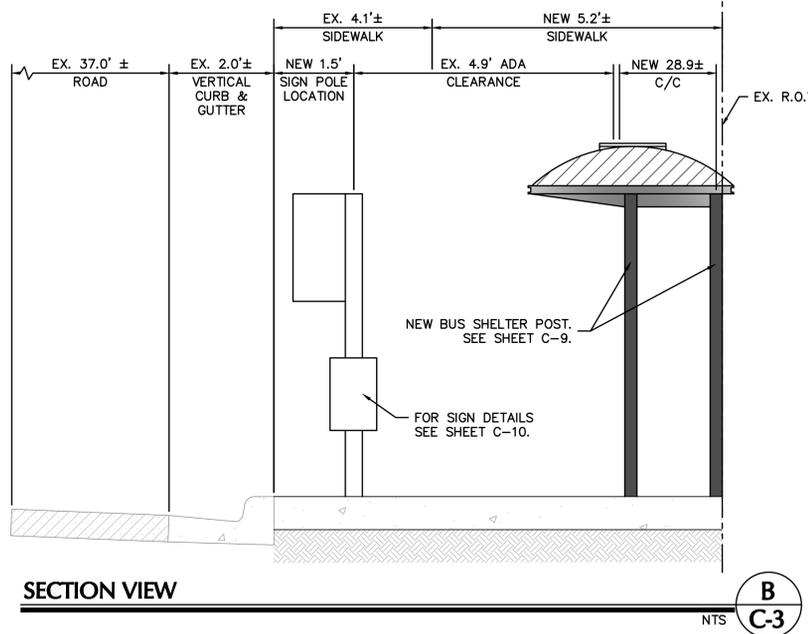
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### LEGEND

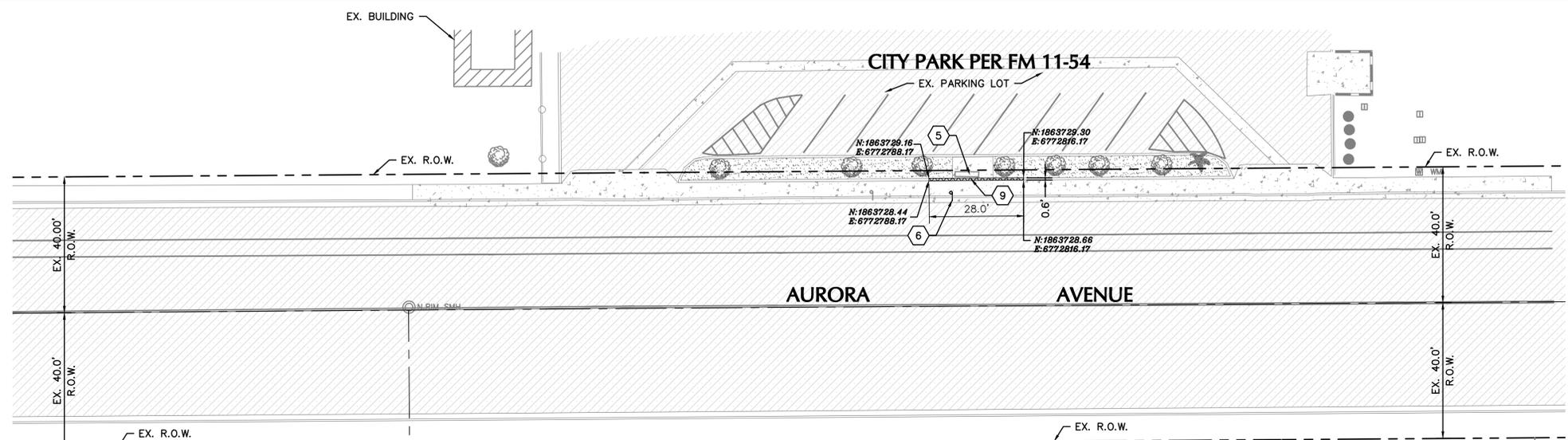
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	EXISTING FIRE HYDRANT
	EXISTING LUMIN
	EXISTING FLAG
	EXISTING GAS VALVE
	EXISTING IRRIGATION BOX
	EXISTING MAIL BOX
	EXISTING TREE
	EXISTING PALM TREE
	EXISTING TRAFFIC LIGHT

- ### SCHEDULE OF WORK
- NEW 14' AD HIGH DOME SHELTER WITH 6-FT PERF. BENCH, TWO SINGLE AD PANELS AT REAR AS PER TOLAR MANUFACTURING COMPANY, INC. DWG No. 39350-00 DATED ON 01/09/2021. ---SEE DETAIL **C-9**
  - NEW SHELTER POST, 3 SCH 40 ALUMINUM PIPE. ---SEE DETAIL **C-9**
  - NEW 4" THICK 2500 PSI CONCRETE SHELTER PAD
  - NEW BUS SIGN POLE. ---SEE DETAIL **C-10**
  - REMOVE EXISTING BENCH AND SALVAGE TO THE CITY OF EL CENTRO.
  - REMOVE EXISTING SIGN AND SALVAGE TO THE CITY OF EL CENTRO.
  - REMOVE AND PROPERLY DISPOSE OF EXISTING CONCRETE SLAB.
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  - REMOVE AND PROPERLY DISPOSE OF EXISTING CURB.
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  - CONTRACTOR TO INSTALL BUS SHELTER ON EXISTING SIDEWALK.
  - CONTRACTOR TO PROTECT EX. TREE DURING CONSTRUCTION

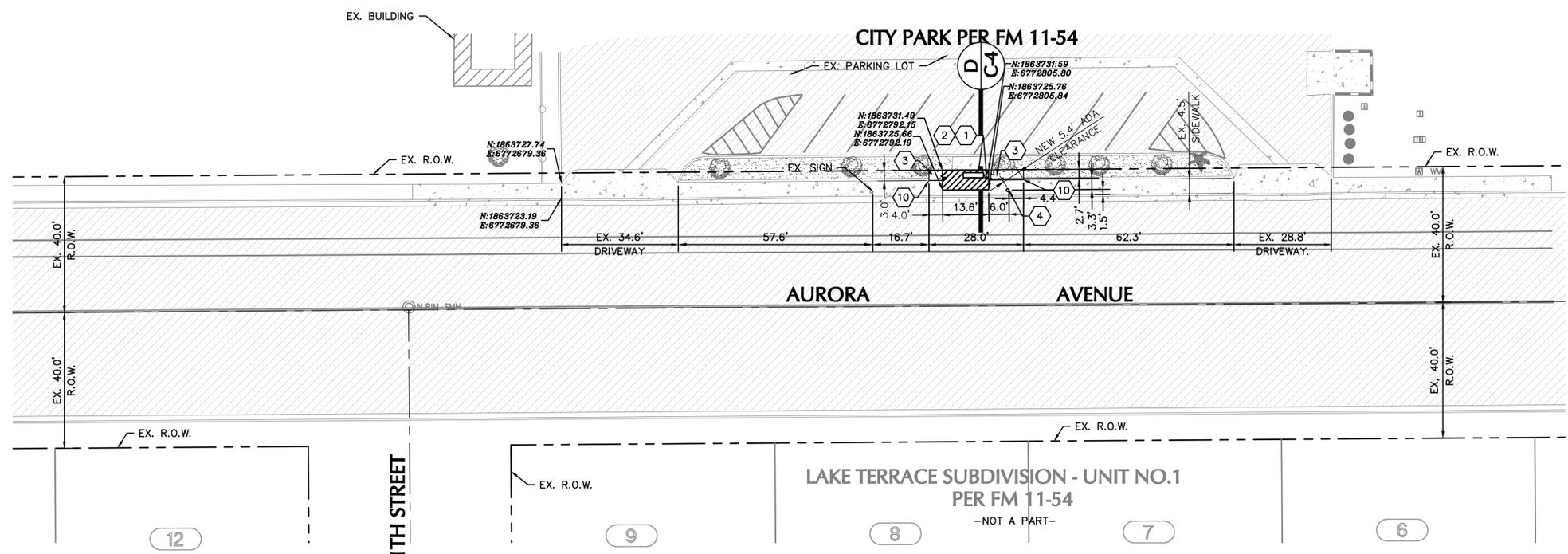


<b>ICTC- BUS STOP IMPROVEMENTS</b> CITY OF EL CENTRO	
<b>ROSS AVENUE BUS SHELTER IMPROVEMENTS</b>	SCALE: AS SHOWN DATE: JUN, 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 3 OF 19
<b>NICKLAUS</b> ENGINEERING, INC. 1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com	
<b>C-3</b>	

N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06 Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF EL CENTRO 04-7-25.dwg

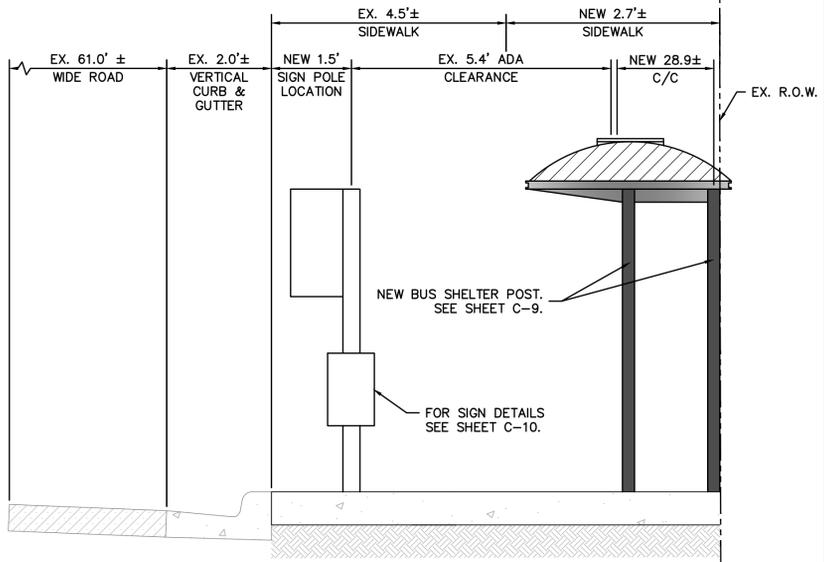


**DEMOLITION PLAN**



**IMPROVEMENTS PLAN**

LEGEND	
○	FOUND SURVEY MONUMENT AS NOTED
---	CENTER/SECTIONAL LINE
- - - -	EXISTING RIGHT OF WAY LINE
---	EXISTING STRIPING
---	EXISTING LOT LINE
▨	EXISTING ASPHALT PAVEMENT
▨	EXISTING CONCRETE
▨	EXISTING BUILDING
▨	EXISTING LANDSCAPED AREA
▨	NEW CONCRETE
⊙	EXISTING WATER VALVE
⊠	EXISTING ELECTRICAL BOX
⊠	EXISTING TELEPHONE JUNCTION BOX
○	EXISTING POWER POLE
⊠	EXISTING STOP SIGN
⊠	EXISTING SIGN
⊠	EXISTING LIGHT POLE
⊠	EXISTING COMMUNICATION BOX
⊠	EXISTING FIRE HYDRANT
⊠	EXISTING LUMIN
⊠	EXISTING FLAG
⊠	EXISTING GAS VALVE
⊠	EXISTING IRRIGATION BOX
⊠	EXISTING MAIL BOX
⊠	EXISTING TREE
⊠	EXISTING PALM TREE
⊠	EXISTING TRAFFIC LIGHT

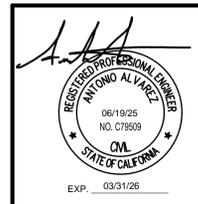
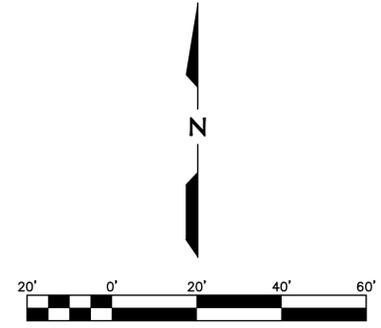


**SECTION VIEW**

D  
C-4  
NTS

**SCHEDULE OF WORK**

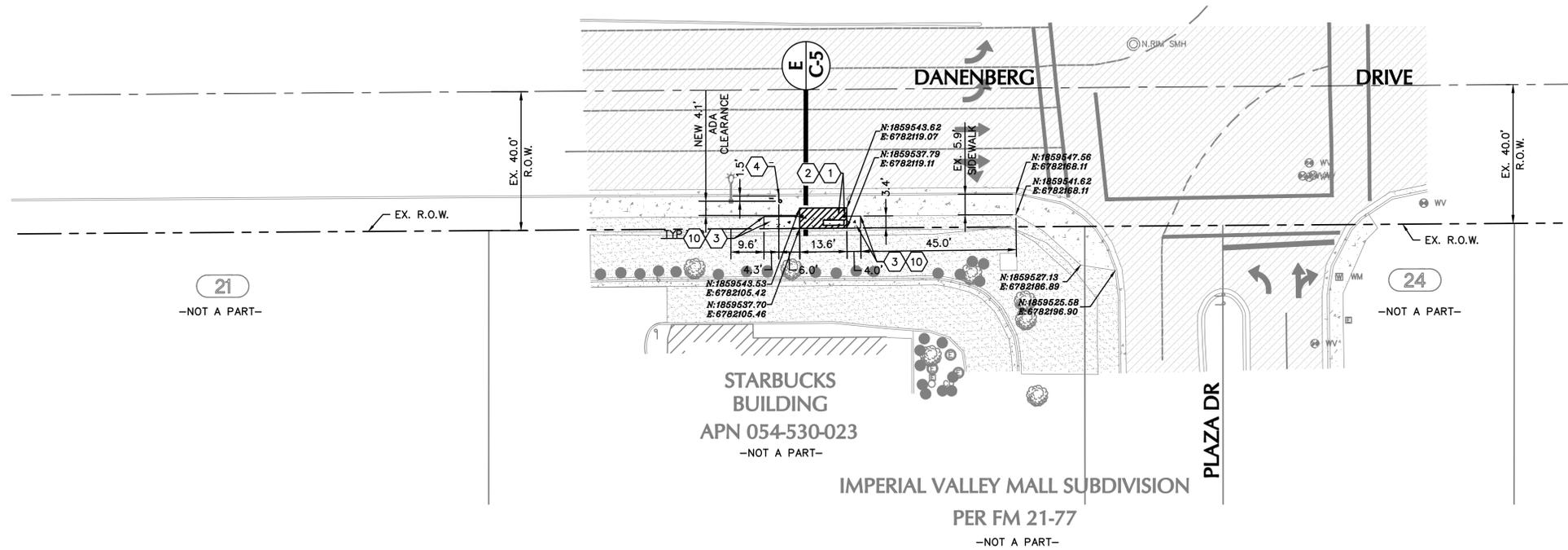
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|---|--|
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|---|--|



<b>ICTC- BUS STOP IMPROVEMENTS CITY OF EL CENTRO</b>	
<b>AURORA AVENUE BUS SHELTER DEMO &amp; IMPROVEMENTS</b>	SCALE: AS SHOWN DATE: JUN, 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 4 OF 19
<b>NICKLAUS ENGINEERING, INC.</b> 1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com	
<b>C-4</b>	

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I.V. PLAZA - REVERSION TO ACREAGE  
 LOT 1 PER FM 26-65  
 -NOT A PART-

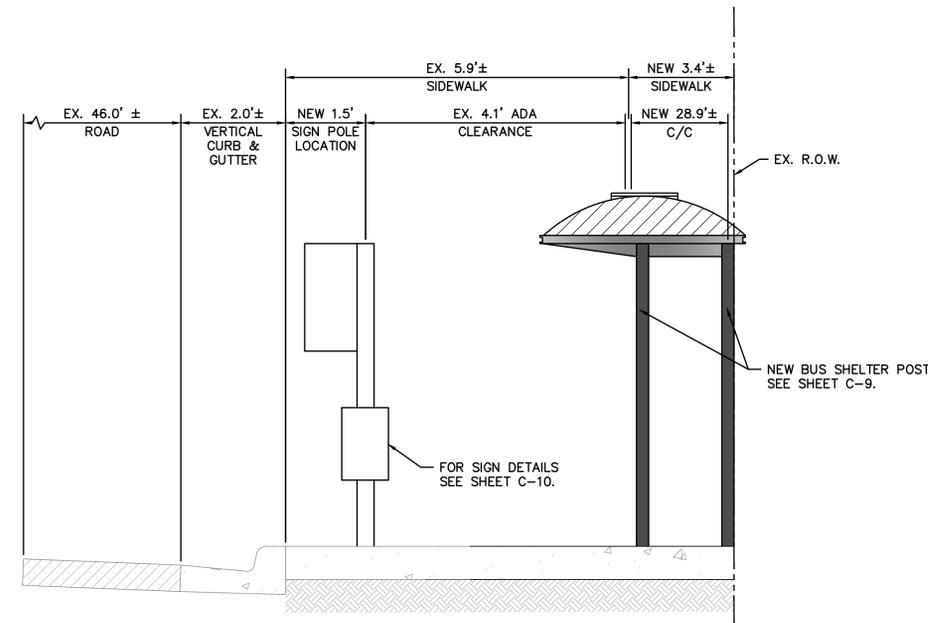


LEGEND

○	FOUND SURVEY MONUMENT AS NOTED
---	CENTER/SECTIONAL LINE
---	EXISTING RIGHT OF WAY LINE
---	EXISTING STRIPING
---	EXISTING LOT LINE
▨	EXISTING ASPHALT PAVEMENT
▨	EXISTING CONCRETE
▨	EXISTING BUILDING
▨	EXISTING LANDSCAPED AREA
▨	NEW CONCRETE
⊕ WV	EXISTING WATER VALVE
⊕ TJB	EXISTING ELECTRICAL BOX
⊕ OPP	EXISTING TELEPHONE JUNCTION BOX
⊕	EXISTING POWER POLE
⊕	EXISTING STOP SIGN
⊕	EXISTING SIGN
⊕	EXISTING LIGHT POLE
⊕	EXISTING COMMUNICATION BOX
⊕	EXISTING FIRE HYDRANT
⊕	EXISTING LUMIN
⊕	EXISTING FLAG
⊕	EXISTING GAS VALVE
⊕	EXISTING IRRIGATION BOX
⊕	EXISTING MAIL BOX
⊕	EXISTING TREE
⊕	EXISTING PALM TREE
⊕	EXISTING TRAFFIC LIGHT

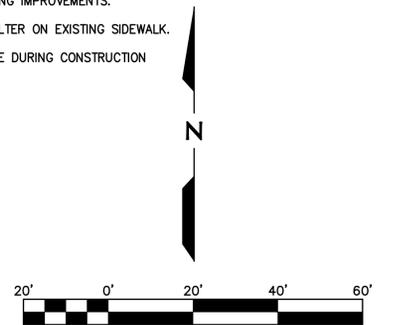
SCHEDULE OF WORK

- 1 NEW 14' AD HIGH DOME SHELTER WITH 6-FT PERF. BENCH, TWO SINGLE AD PANELS AT REAR AS PER TOLAR MANUFACTURING COMPANY, INC. DWG No. 39350-00 DATED ON 01/09/2021. ---SEE DETAIL C-9
- 2 NEW SHELTER POST, 3 SCH 40 ALUMINUM PIPE. ---SEE DETAIL C-9
- 3 NEW 4" THICK 2500 PSI CONCRETE SHELTER PAD
- 4 NEW BUS SIGN POLE. ---SEE DETAIL B-C10
- 5 REMOVE EXISTING BENCH AND SALVAGE TO THE CITY OF EL CENTRO.
- 6 REMOVE EXISTING SIGN AND SALVAGE TO THE CITY OF EL CENTRO.
- 7 REMOVE AND PROPERLY DISPOSE OF EXISTING CONCRETE SLAB.
- 8 REMOVE AND PROPERLY DISPOSE OF EXISTING TREE.
- 9 REMOVE AND PROPERLY DISPOSE OF EXISTING CURB.
- 10 CONSTRUCT TO MATCH WITH EXISTING IMPROVEMENTS.
- 11 CONTRACTOR TO INSTALL BUS SHELTER ON EXISTING SIDEWALK.
- 12 CONTRACTOR TO PROTECT EX. TREE DURING CONSTRUCTION

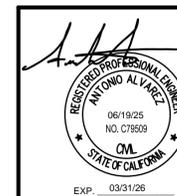


SECTION VIEW

E  
C-5  
NTS



N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06\_Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF EL CENTRO 04-7-25.dwg



ICTC- BUS STOP IMPROVEMENTS  
 CITY OF EL CENTRO

DANENBERG DR & PLAZA DR  
 BUS SHELTER IMPROVEMENTS

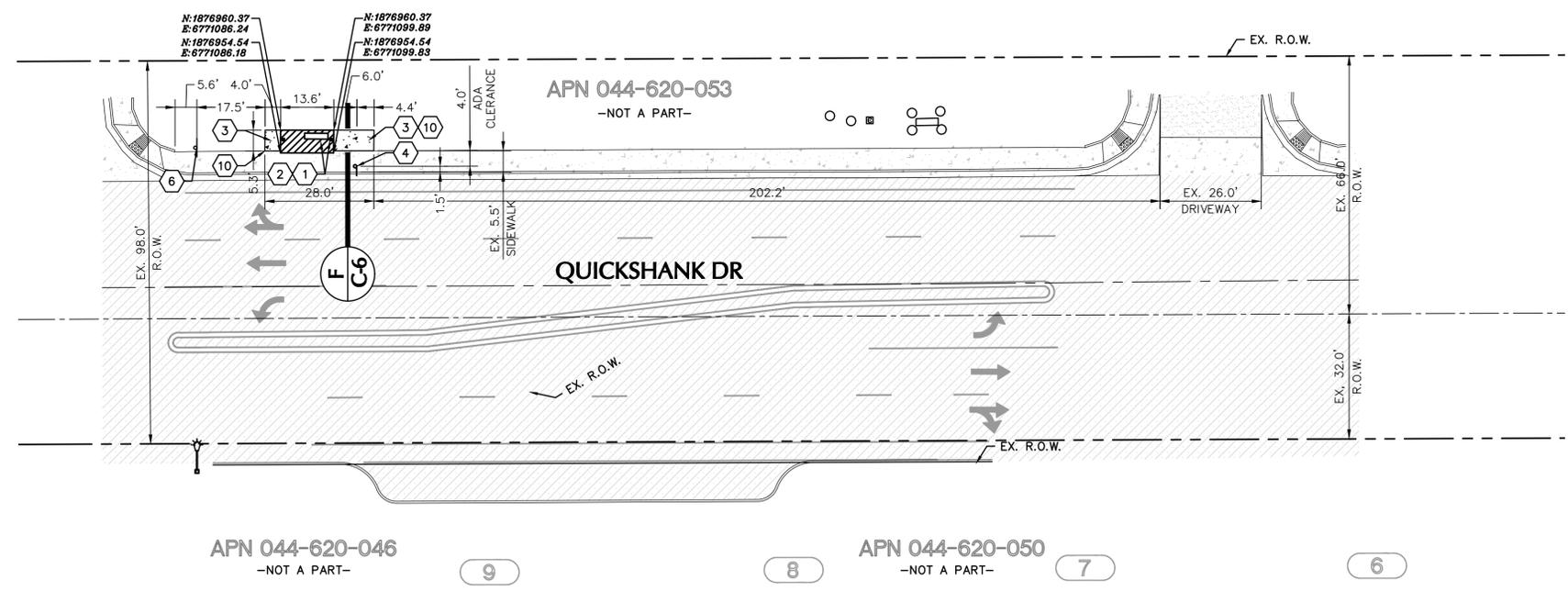
**NICKLAUS**  
 ENGINEERING, INC.  
 1851 West 24th Street Yuma, Arizona 85364  
 Phone: (928) 344-8374  
 www.neiaw.com

SCALE: AS SHOWN  
 DATE: JUN, 2025  
 DES. BY: RVC  
 DRAWN BY: PM  
 SURVEYED BY: JD  
 JOB. No.: 024-0018  
 SHEET 5 OF 19

C-5

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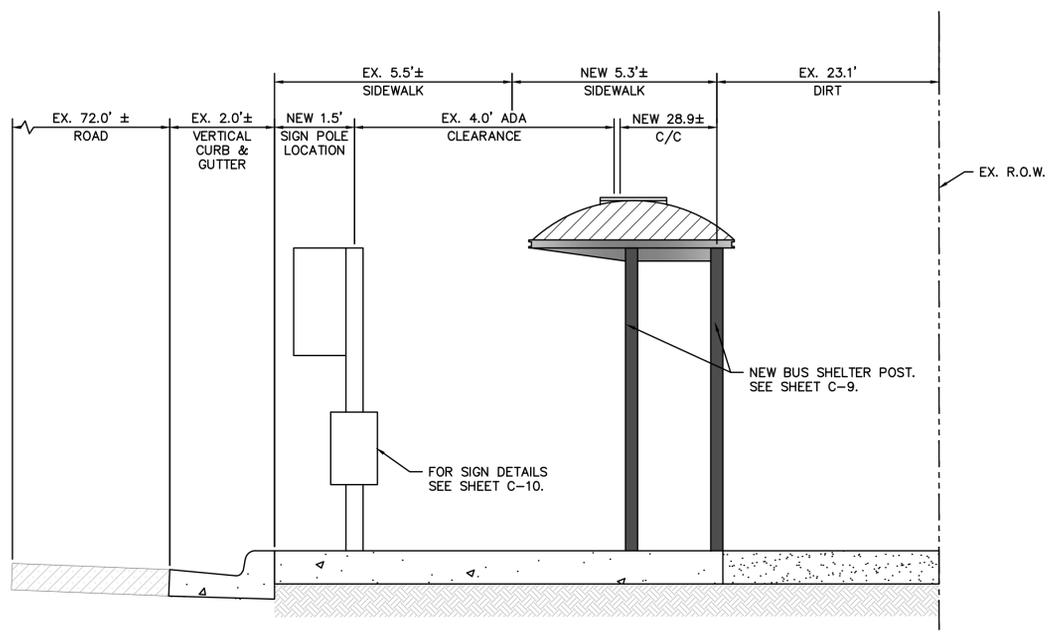
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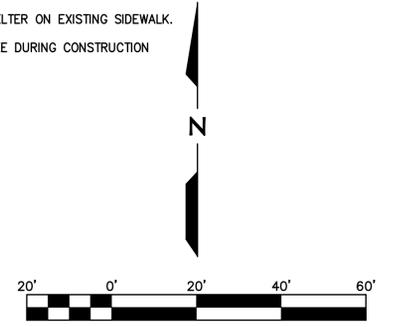
### LEGEND

	FOUND SURVEY MONUMENT AS NOTED
	CENTER/SECTIONAL LINE
	EXISTING RIGHT OF WAY LINE
	EXISTING STRIPING
	EXISTING LOT LINE
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE
	EXISTING BUILDING
	EXISTING LANDSCAPED AREA
	NEW CONCRETE
	EXISTING WATER VALVE
	EXISTING ELECTRICAL BOX
	EXISTING TELEPHONE JUNCTION BOX
	EXISTING POWER POLE
	EXISTING STOP SIGN
	EXISTING SIGN
	EXISTING LIGHT POLE
	EXISTING COMMUNICATION BOX
	EXISTING FIRE HYDRANT
	EXISTING LUMIN
	EXISTING FLAG
	EXISTING GAS VALVE
	EXISTING IRRIGATION BOX
	EXISTING MAIL BOX
	EXISTING TREE
	EXISTING PALM TREE
	EXISTING TRAFFIC LIGHT

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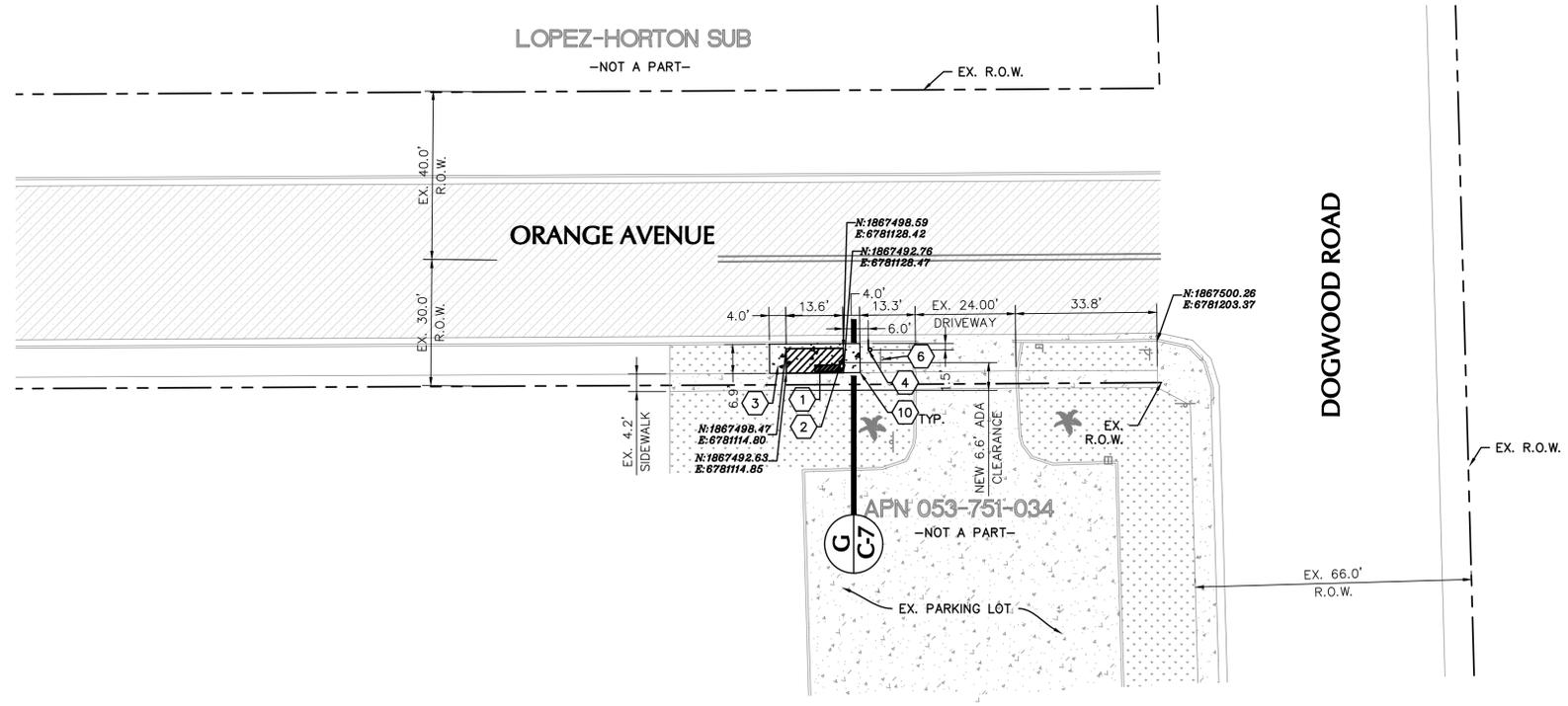
**SECTION VIEW** F  
NTS  
C-6



<b>ICTC- BUS STOP IMPROVEMENTS CITY OF EL CENTRO</b>	
<p><b>CRUCKSHANK DR BUS SHELTER IMPROVEMENTS</b></p> <p><b>NICKLAUS ENGINEERING, INC.</b> 1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com</p>	<p>SCALE: AS SHOWN DATE: JUN, 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 6 OF 19</p> <p style="text-align: center; font-size: 24pt;"><b>C-6</b></p>

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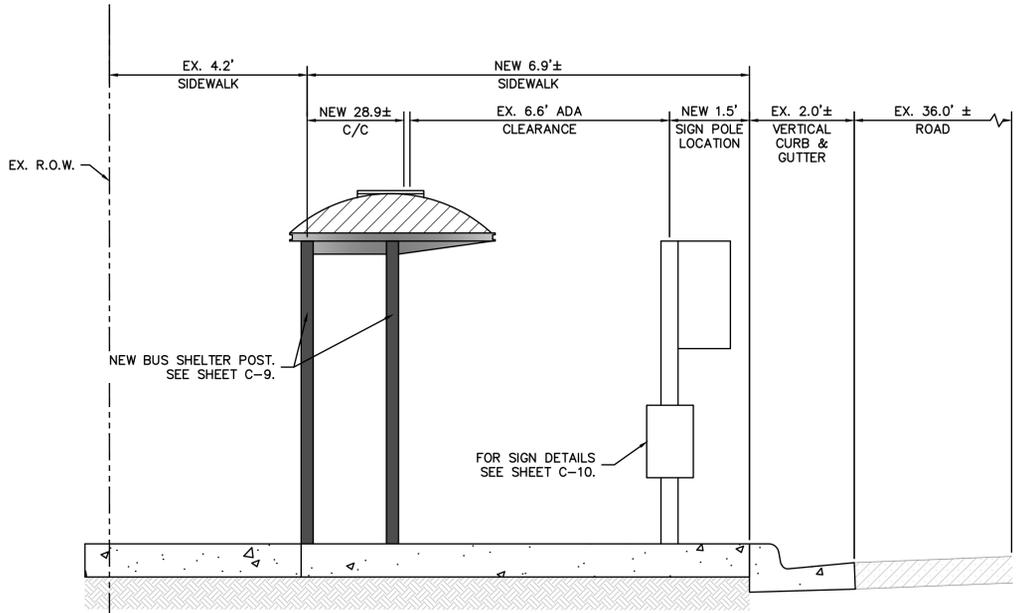
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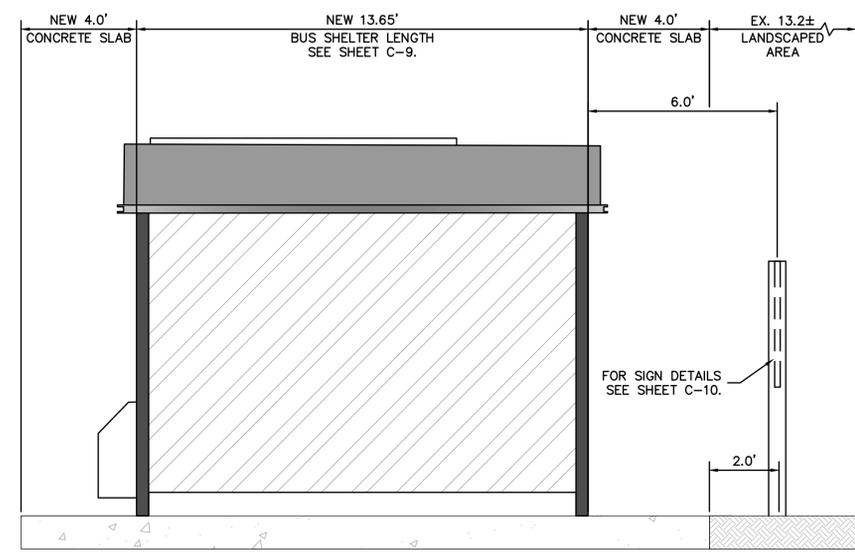
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	EXISTING TELEPHONE JUNCTION BOX
	EXISTING POWER POLE
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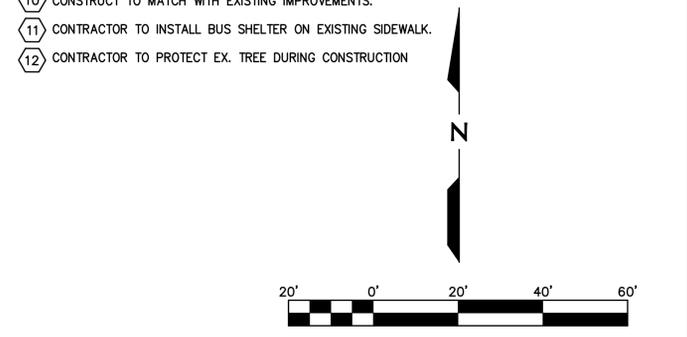
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SECTION VIEW A-A  
NTS **G C-7**



FRONT VIEW A-A  
NTS **G C-7**



**ICTC- BUS STOP IMPROVEMENTS**  
CITY OF EL CENTRO

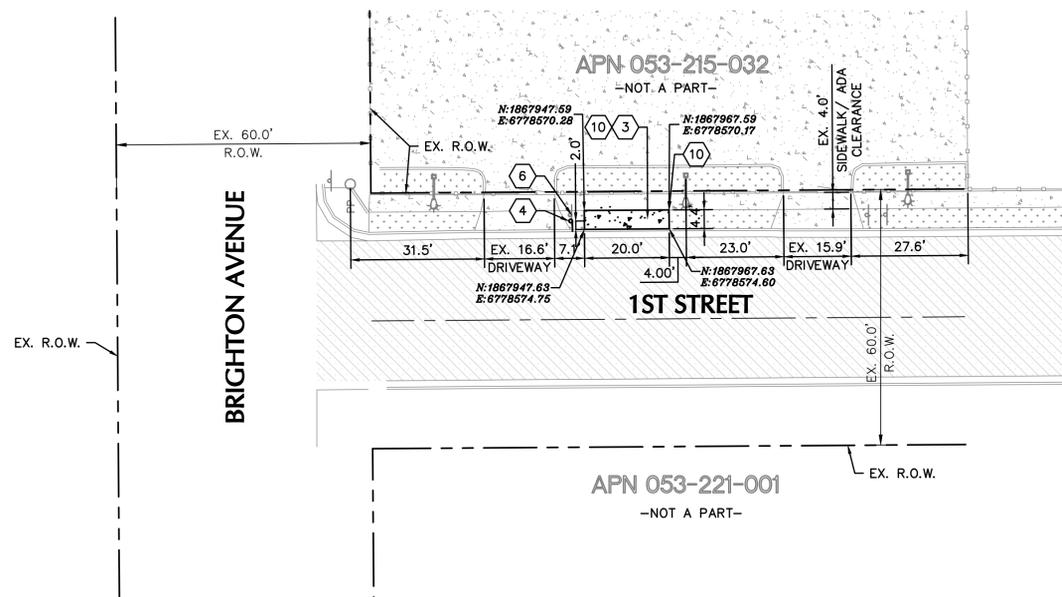
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	DATE: JUN, 2025
DES. BY: RVC	DRAWN BY: PM
SURVEYED BY: JD	JOB. No.: 024-0018
SHEET 7 OF 19	C-7

**NICKLAUS**  
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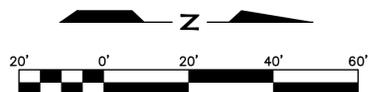


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▦	EXISTING LANDSCAPED AREA
▤	NEW CONCRETE
⊙WV	EXISTING WATER VALVE
⊠TJB	EXISTING ELECTRICAL BOX
⊙PP	EXISTING TELEPHONE JUNCTION BOX
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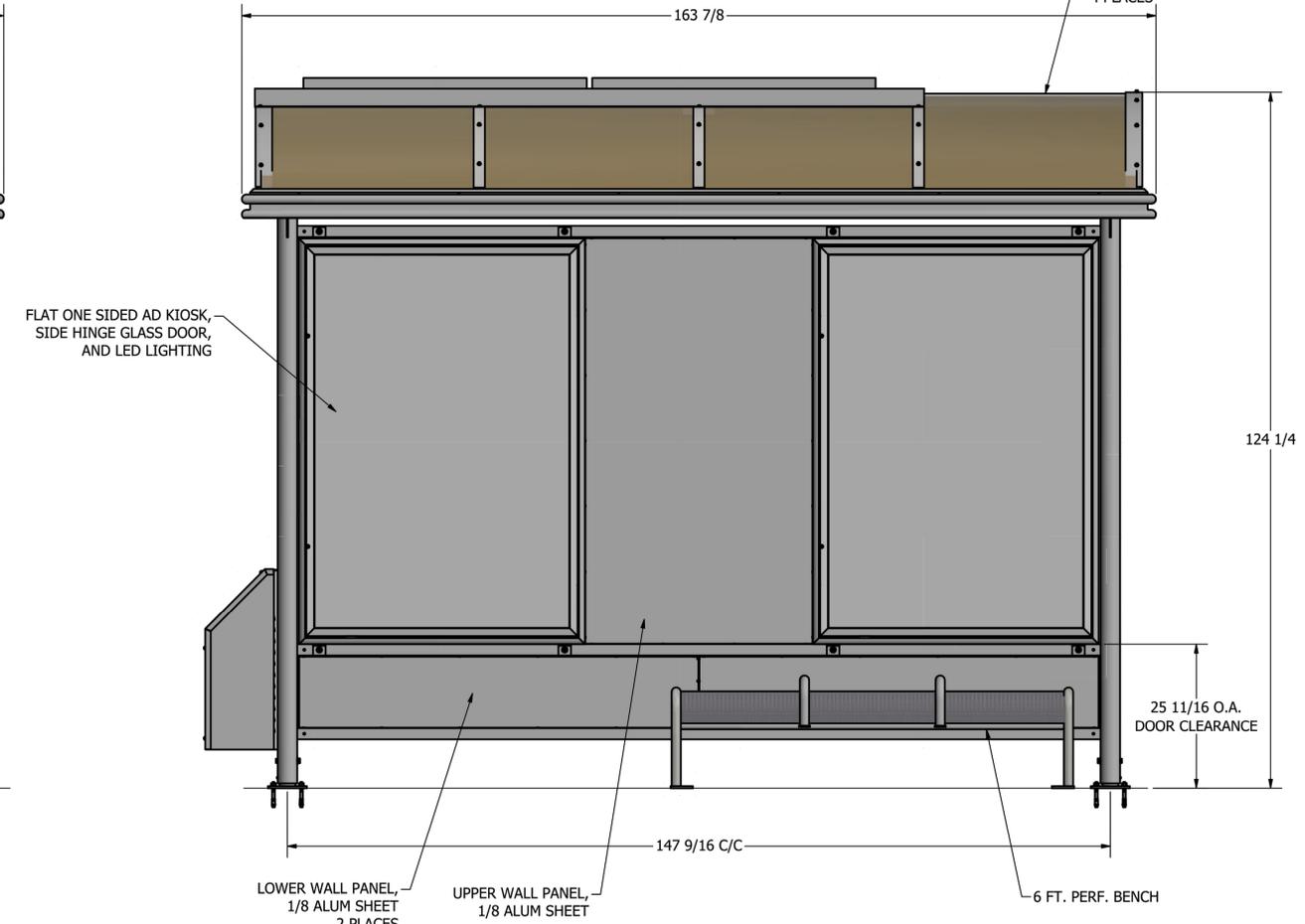
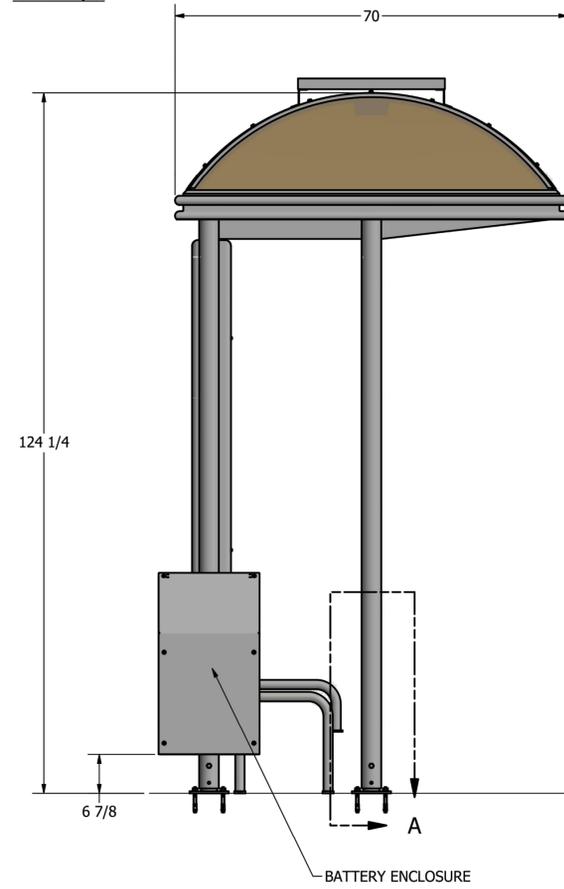
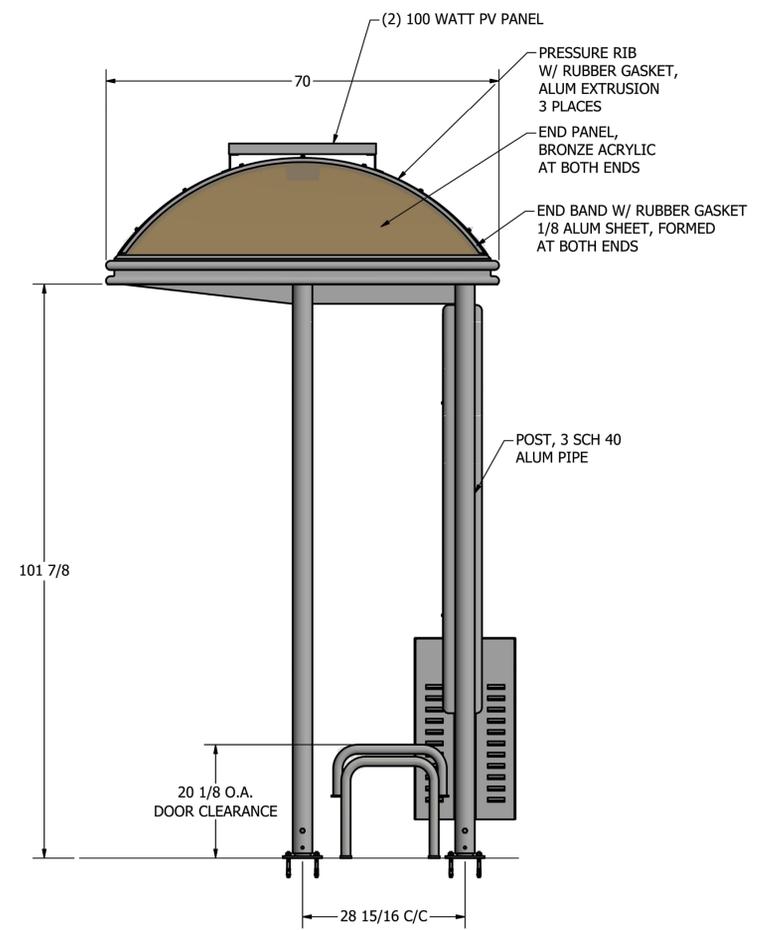
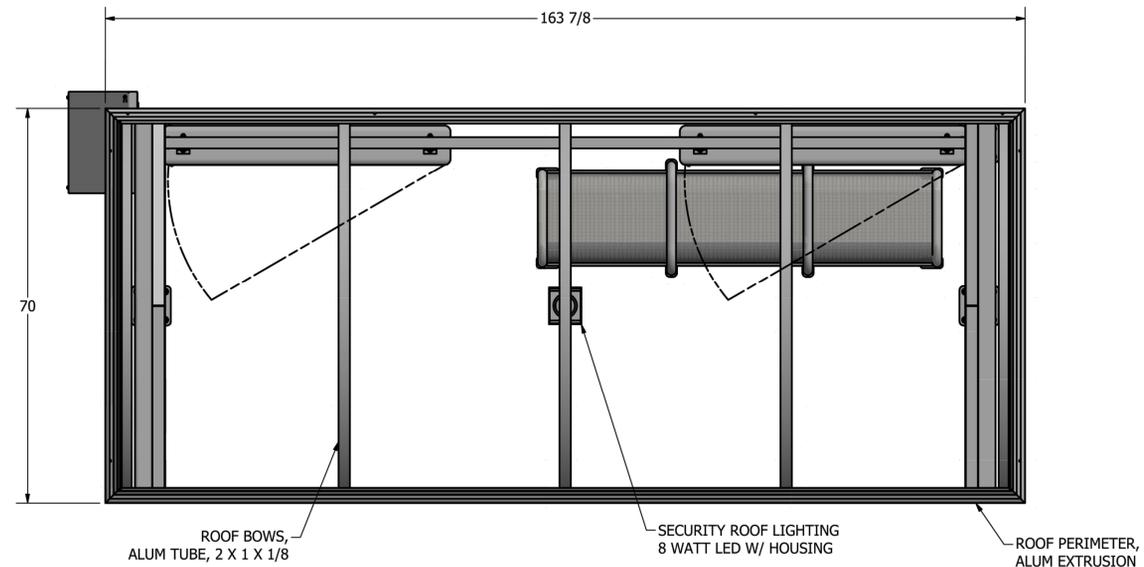
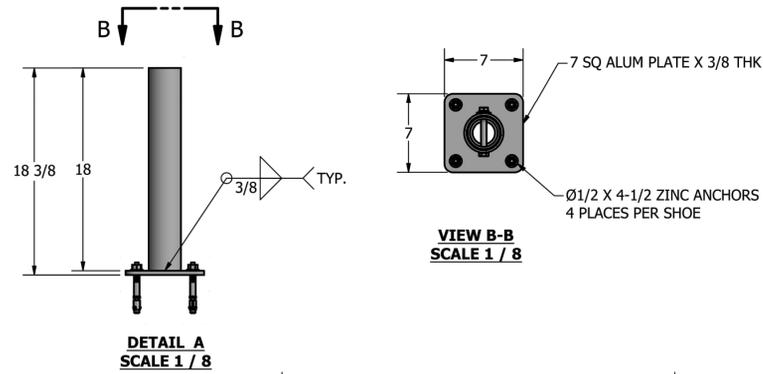


<b>ICTC- BUS STOP IMPROVEMENTS CITY OF EL CENTRO</b>												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><b>1ST STREET AND BRIGHTON AVENUE BUS SHELTER IMPROVEMENTS</b></td> </tr> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>NICKLAUS</b> ENGINEERING, INC.</p> <p>1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com</p> </td> <td style="width: 50%; vertical-align: top;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SCALE: AS SHOWN</td> </tr> <tr> <td>DATE: JUN, 2025</td> </tr> <tr> <td>DES. BY: RVC</td> </tr> <tr> <td>DRAWN BY: PM</td> </tr> <tr> <td>SURVEYED BY: JD</td> </tr> <tr> <td>JOB. No.: 024-0018</td> </tr> <tr> <td>SHEET 8 OF 19</td> </tr> </table> </td> </tr> </table>	<b>1ST STREET AND BRIGHTON AVENUE BUS SHELTER IMPROVEMENTS</b>		<p><b>NICKLAUS</b> ENGINEERING, INC.</p> <p>1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SCALE: AS SHOWN</td> </tr> <tr> <td>DATE: JUN, 2025</td> </tr> <tr> <td>DES. BY: RVC</td> </tr> <tr> <td>DRAWN BY: PM</td> </tr> <tr> <td>SURVEYED BY: JD</td> </tr> <tr> <td>JOB. No.: 024-0018</td> </tr> <tr> <td>SHEET 8 OF 19</td> </tr> </table>	SCALE: AS SHOWN	DATE: JUN, 2025	DES. BY: RVC	DRAWN BY: PM	SURVEYED BY: JD	JOB. No.: 024-0018	SHEET 8 OF 19
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**GENERAL NOTES:**

1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
3. ALL HOLES TO BE DRILLED OR PUNCHED.
4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
6. ALL WELDING TO BE DONE AT TOLAR MANUFACTURING COMPANY, INC. FACILITY.
7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH TOLAR MANUFACTURING CO. INC'S QUALITY CONTROL MANUAL.
8. THE CONCRETE PAD SIZES SHOWN ARE STANDARD MINIMUM REQUIREMENTS AND ARE FOR REFERENCE ONLY. THE PAD MAY NEED TO BE REINFORCED OR ENLARGED DEPENDING ON LOCAL CODES AND LOADING CONDITIONS.



**BUS SHELTER DETAIL - CITY OF EL CENTRO**

TOLAR MANUFACTURING COMPANY INC.,

DWG No. 39350-00

NTS



THE DESIGN AND DRAWINGS REMAIN THE INTELLECTUAL PROPERTY OF TOLAR MFG. AND ARE PROTECTED BY LAW. THEY MAY NOT BE ALTERED, REPRODUCED OR USED FOR FABRICATION WITHOUT EXPRESSED WRITTEN CONSENT FROM TOLAR MFG. ALL DOCUMENTS TO BE RETURNED TO TOLAR MFG. AT COMPLETION OF WORK. CONTRACTOR TO SITE VERIFY ALL DETAILS AND DIMENSIONS AND REPORT ANY AND ALL DISCREPANCIES TO TOLAR MFG. BEFORE COMMENCING WITH THAT RELATED PORTION OF THE WORK.

<b>TOLAR</b> TOLAR MANUFACTURING COMPANY, INC. 258 Mariah Circle, Corona CA. 92879			
DESCRIPTION	1' AD HIGH DOME SHELTER, TWO SINGLE AD PANELS AT REAR		
CUSTOMER/VENDOR	EL CENTRO, CA		
SIZE	MATL.	DWG NO.	REV.
D	VARIES	39350-00	-
SCALE	DATE	DRAWN BY	
1 / 16	1/9/2021	E. ROMERO	



**ICTC- BUS STOP IMPROVEMENTS  
CITY OF EL CENTRO**

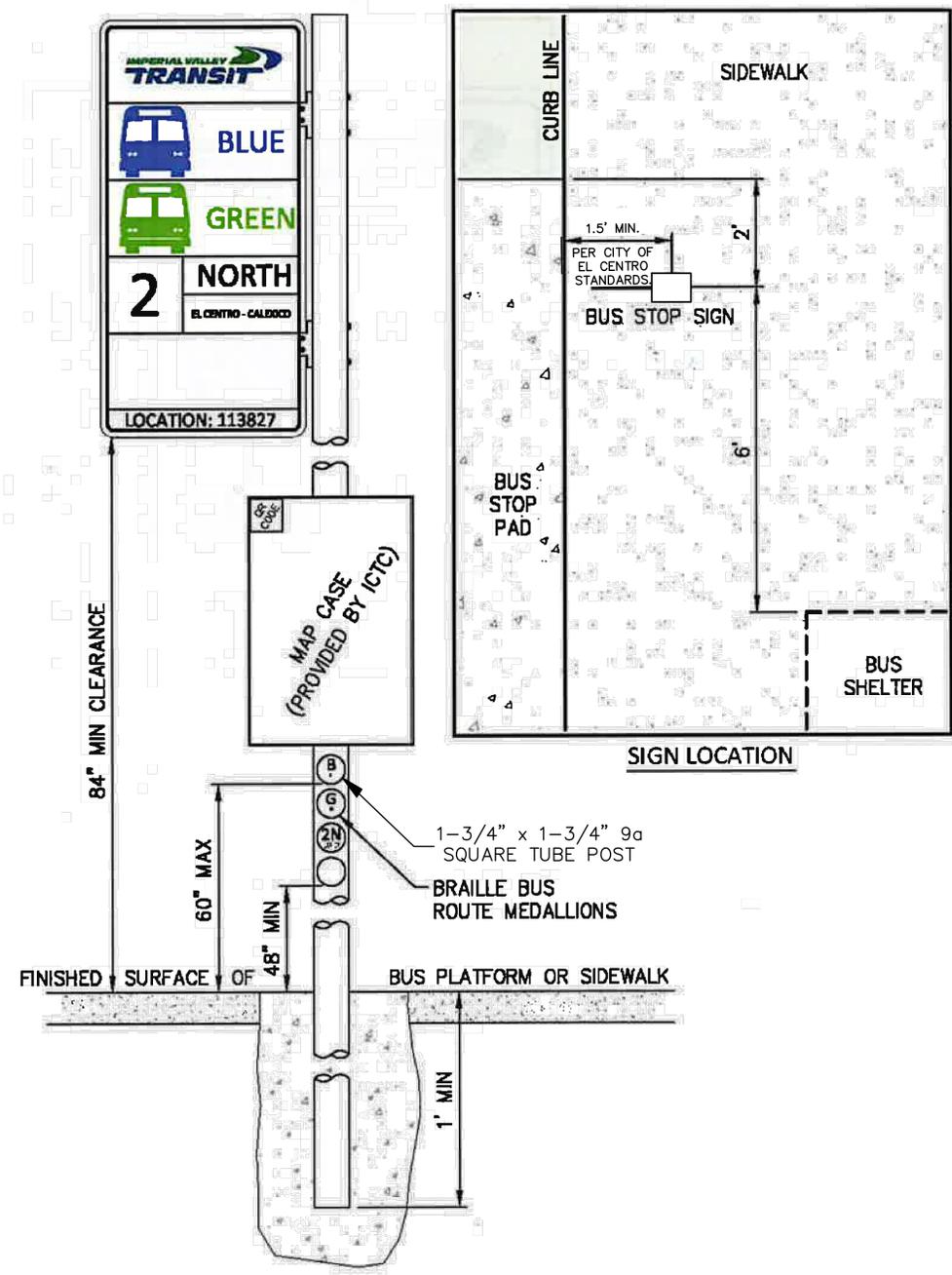
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C-9

N:\2024\024-0018\0018 ICTC Bus Stop Improvements Design Services (WON)\06\_Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF EL CENTRO 04-7-25.dwg

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N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06 Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF EL CENTRO 04-7-25.dwg

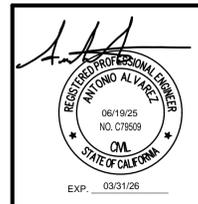


**BUS SIGN POLE DETAIL - CITY OF EL CENTRO (MODIFIED)**

BUS STOP DESIGN AND SAFETY GUIDELINE HANDBOOK, FIGURE 8

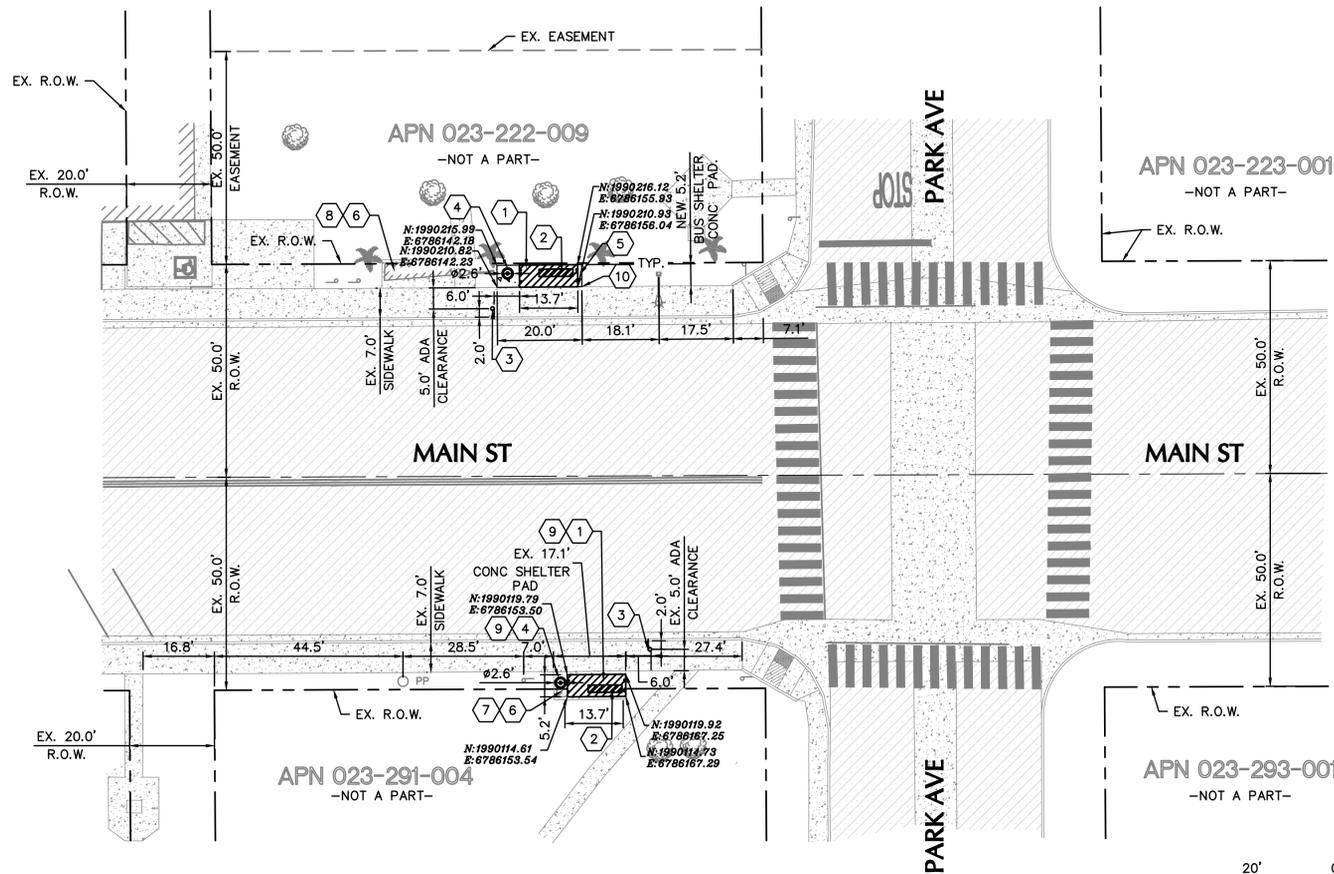
NTS **B**  
**C-10**

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<b>ICTC- BUS STOP IMPROVEMENTS CITY OF EL CENTRO</b>	
<b>BUS SIGN POLE DETAIL</b>	SCALE: AS SHOWN DATE: JUN, 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 10 OF 19
 1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com	
<b>C-10</b>	

N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06 Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF CALIPATRIA.dwg

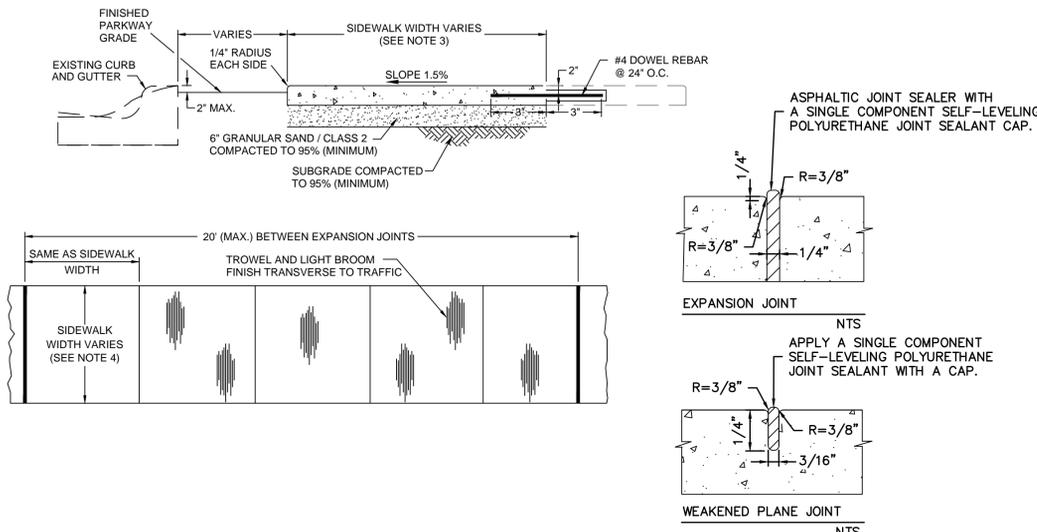


**LEGEND**

○	FOUND SURVEY MONUMENT AS NOTED
---	CENTER/SECTIONAL LINE
- - - -	EXISTING RIGHT OF WAY LINE
---	EXISTING STRIPING
---	EXISTING LOT LINE
▨	EXISTING ASPHALT PAVEMENT
▩	EXISTING CONCRETE
▧	EXISTING BUILDING
▨	EXISTING LANDSCAPED AREA
▩	NEW CONCRETE
○ WV	EXISTING WATER VALVE
□ TJB	EXISTING ELECTRICAL BOX
○ PP	EXISTING TELEPHONE JUNCTION BOX
△	EXISTING POWER POLE
+	EXISTING STOP SIGN
+	EXISTING SIGN
+	EXISTING LIGHT POLE
□	EXISTING COMMUNICATION BOX
+	EXISTING FIRE HYDRANT
+	EXISTING LUMIN
+	EXISTING FLAG
+	EXISTING GAS VALVE
+	EXISTING IRRIGATION BOX
+	EXISTING MAIL BOX
+	EXISTING TREE
+	EXISTING PALM TREE
+	EXISTING TRAFFIC LIGHT

**SCHEDULE OF WORK**

- 1 NEW 14' AD SUNSET WITH PERFORATED WALLS BUS SHELTER WITH SOLAR LIGHTING AS PER TOLAR MANUFACTURING COMPANY, INC., DWG No. 51645-00, DATED ON 09/16/24. COLOR OF THE COMPONENTS OF THE BUS SHELTER SHALL BE DETERMINED BY THE CITY OF CALIPATRIA AS PART OF THE SUBMITTAL REVIEW PROCESS PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION ACTIVITIES. . . . .SEE DETAIL **A**
- 2 NEW 8' PERF. BENCH CONTOUR W/ 3 BARS V-BARS AS PER TOLAR MANUFACTURING COMPANY, INC. DWG No. 12830, DATED ON 06/03/10. COLOR OF THE COMPONENTS OF THE BENCH SHALL BE DETERMINED BY THE CITY OF CALIPATRIA AS PART OF THE SUBMITTAL REVIEW PROCESS PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION ACTIVITIES. . . . .SEE DETAIL **B**
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- 5 NEW 4" THICK 5000 PSI CONCRETE SHELTER PAD. . . . .SEE DETAIL **E**
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- 10 CONSTRUCT TO MATCH WITH EXISTING IMPROVEMENTS.
- 11 EXISTING TREE TO REMAIN.



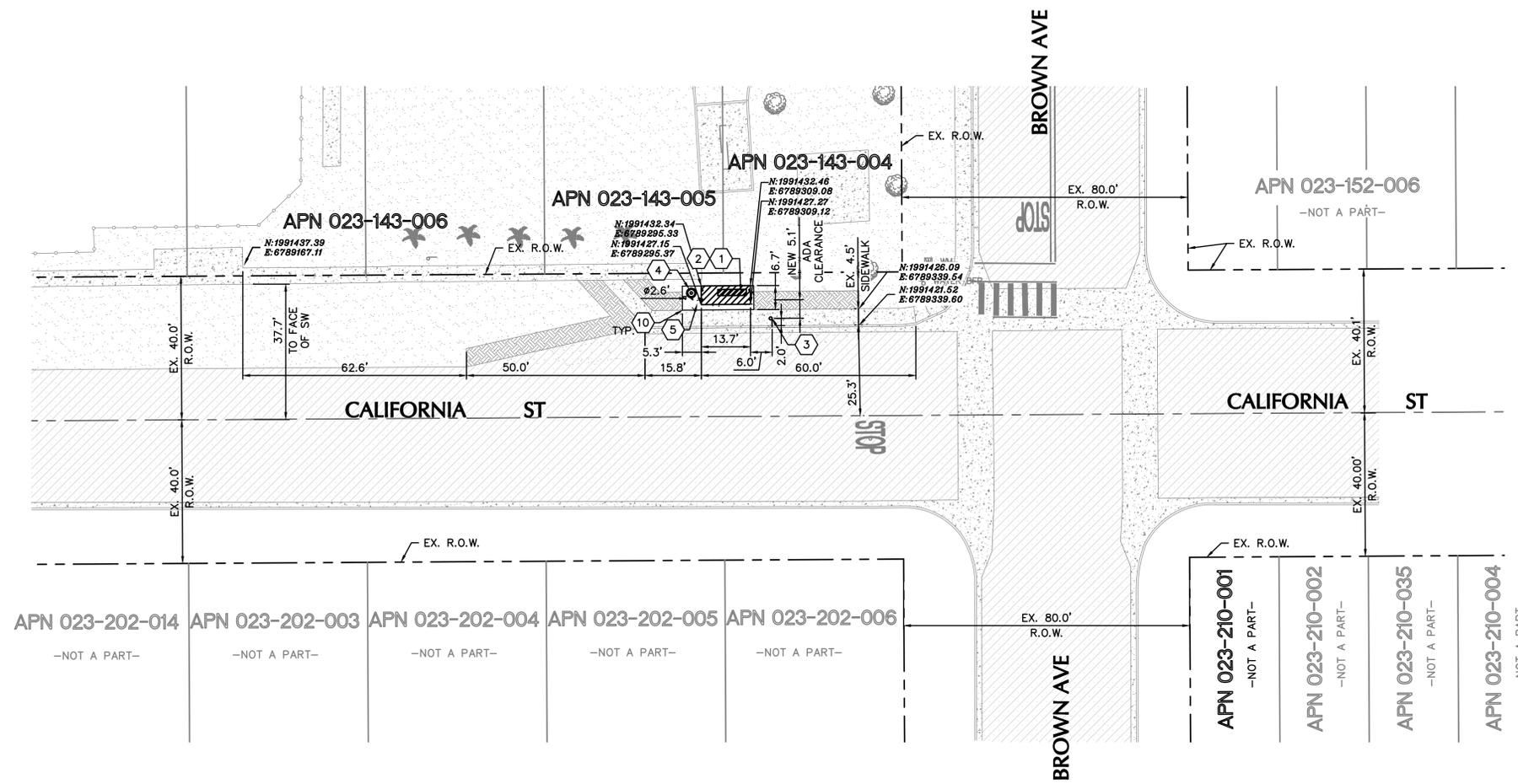
- NOTES**
1. Expansion joints shall be located at tangent points, in curb returns, at structures and placed at 20' intervals (maximum). Expansion joint material shall comply with Imperial County Standards.
  2. Expansion joint material shall be placed in accordance with Imperial County Standards.
  3. When the back of the sidewalk abuts a concrete driveway or any other concrete paving or structure, an expansion joint shall be placed between the back of the sidewalk and such driveway or structure.
  4. All sidewalks shall be 4" thick (min.) Class "B".

**BUS SHELTER CONCRETE PAD**



<b>ICTC- BUS STOP IMPROVEMENTS CITY OF CALIPATRIA</b>	
<b>MAIN ST &amp; PARK AVE BUS SHELTER IMPROVEMENTS</b>	SCALE: AS SHOWN DATE: JUN, 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 11 OF 20
<b>NICKLAUS ENGINEERING, INC.</b> 1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com	
<b>C-11</b>	

N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06 Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF CALIPATRIA.dwg



**LEGEND**

- FOUND SURVEY MONUMENT AS NOTED
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- - - EXISTING RIGHT OF WAY LINE
- EXISTING STRIPING
- EXISTING LOT LINE
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE
- EXISTING BUILDING
- EXISTING LANDSCAPED AREA
- NEW CONCRETE
- WV EXISTING WATER VALVE
- TJB EXISTING ELECTRICAL BOX
- OPP EXISTING POWER POLE
- ⊥ EXISTING STOP SIGN
- ⊥ EXISTING SIGN
- ⊥ EXISTING LIGHT POLE
- EXISTING COMMUNICATION BOX
- ⊥ EXISTING FIRE HYDRANT
- ⊥ EXISTING LUMIN
- ⊥ EXISTING FLAG
- ⊥ EXISTING GAS VALVE
- ⊥ EXISTING IRRIGATION BOX
- ⊥ EXISTING MAIL BOX
- ⊥ EXISTING TREE
- ⊥ EXISTING PALM TREE
- ⊥ EXISTING TRAFFIC LIGHT

**SCHEDULE OF WORK**

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<b>ICTC- BUS STOP IMPROVEMENTS CITY OF CALIPATRIA</b>	
<p><b>CALIFORNIA ST &amp; BROWN AVE BUS SHELTER IMPROVEMENTS</b></p> <p><b>NICKLAUS ENGINEERING, INC.</b></p> <p>1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com</p>	<p>SCALE: AS SHOWN DATE: JUN, 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 12 OF 20</p>
	<p><b>C-12</b></p>

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N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06 Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF CALIPATRIA.dwg

**LEGEND**

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---	EXISTING STRIPING
---	EXISTING LOT LINE
	EXISTING ASPHALT PAVEMENT
	EXISTING CONCRETE
	EXISTING BUILDING
	EXISTING LANDSCAPED AREA
	NEW CONCRETE
⊙WV	EXISTING WATER VALVE
⊠TJB	EXISTING ELECTRICAL BOX
⊙PP	EXISTING TELEPHONE JUNCTION BOX
⊠	EXISTING POWER POLE
⊠	EXISTING STOP SIGN
⊠	EXISTING SIGN
⊠	EXISTING LIGHT POLE
⊠	EXISTING COMMUNICATION BOX
⊠	EXISTING FIRE HYDRANT
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**ICTC- BUS STOP IMPROVEMENTS**  
CITY OF CALIPATRIA

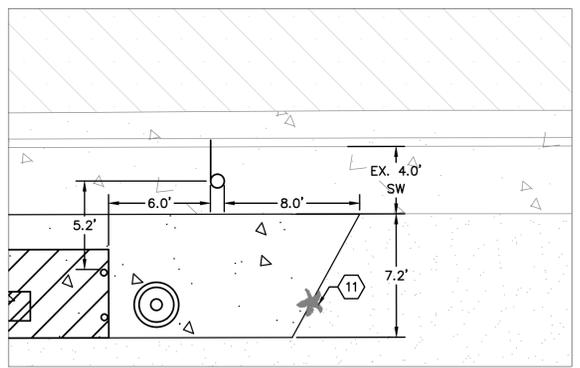
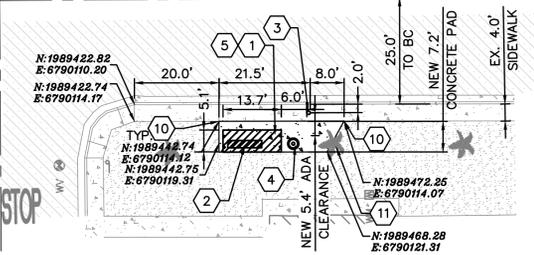
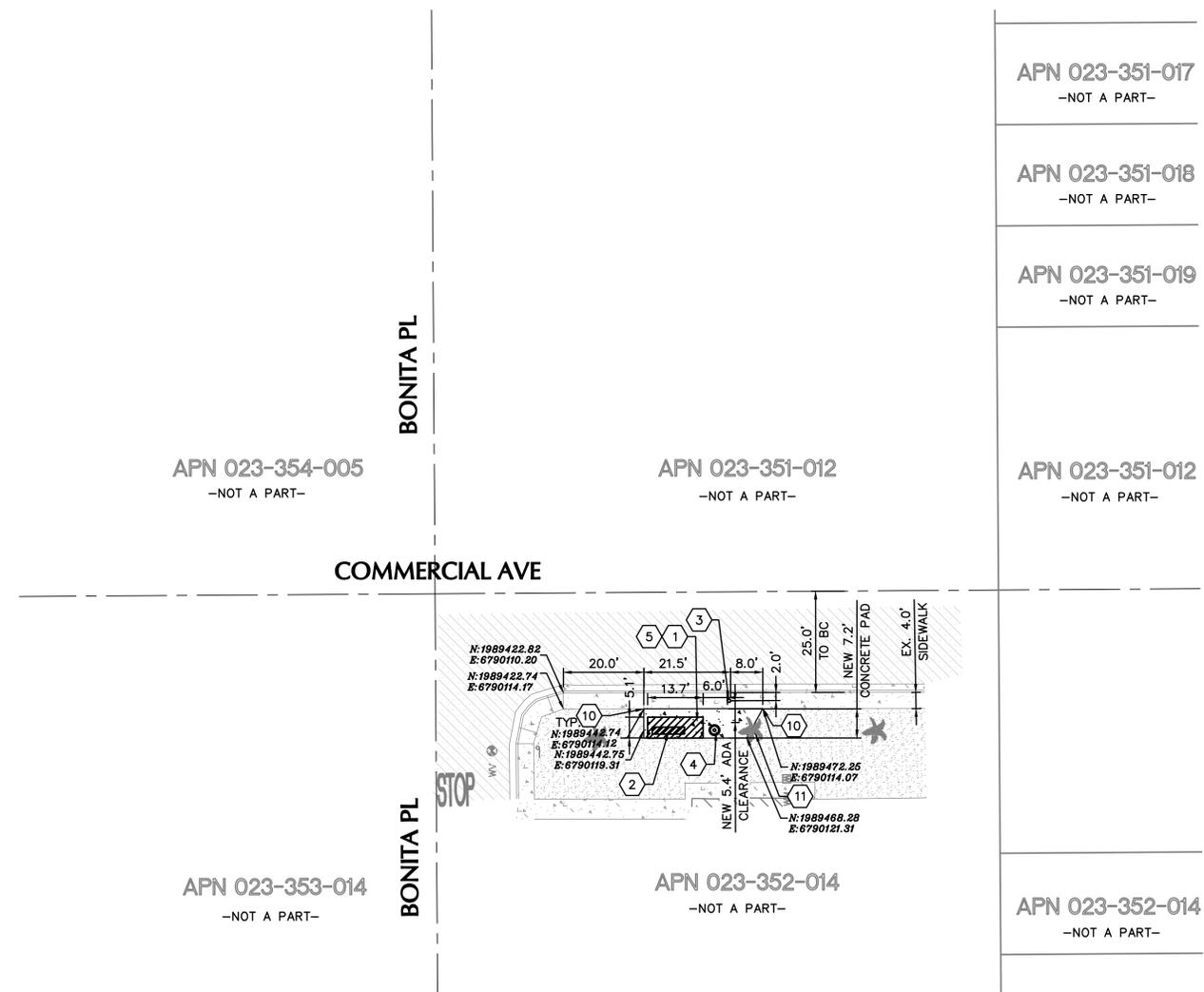
**COMMERCIAL AVE & BONITA PL**  
BUS SHELTER IMPROVEMENTS

SCALE: AS SHOWN	DATE: JUN, 2025
DES. BY: RVC	DRAWN BY: PM
SURVEYED BY: JD	JOB. No.: 024-0018
SHEET 13 OF 20	

*Antonio Alvarz*  
**ANTONIO ALVARZ**  
REGISTERED PROFESSIONAL ENGINEER  
NO. C75509  
STATE OF CALIFORNIA  
EXP. 03/31/26

**NICKLAUS**  
ENGINEERING, INC.  
1851 West 24th Street Yuma, Arizona 85364  
Phone: (928) 344-8374  
www.neiaw.com

**C-13**

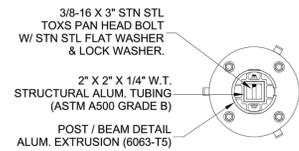


**ENLARGEMENT**  
SCALE = 1"=5'

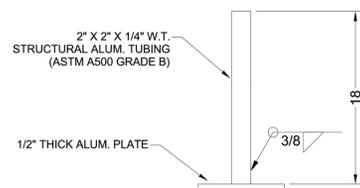
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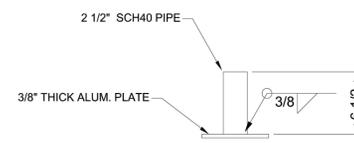
- GENERAL NOTES:**
1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
  2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
  3. ALL HOLES TO BE DRILLED OR PUNCHED.
  4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
  5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
  6. ALL WELDING TO BE DONE AT TOLAR MANUFACTURING COMPANY, INC. FACILITY.
  7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH TOLAR MANUFACTURING CO. INC.'S QUALITY CONTROL MANUAL.



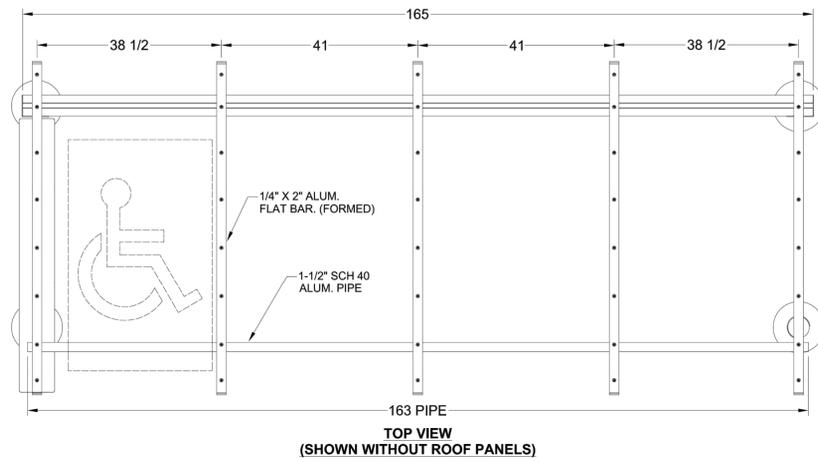
**POST TO SHOE CONNECTION DETAIL (4 PLCS)**



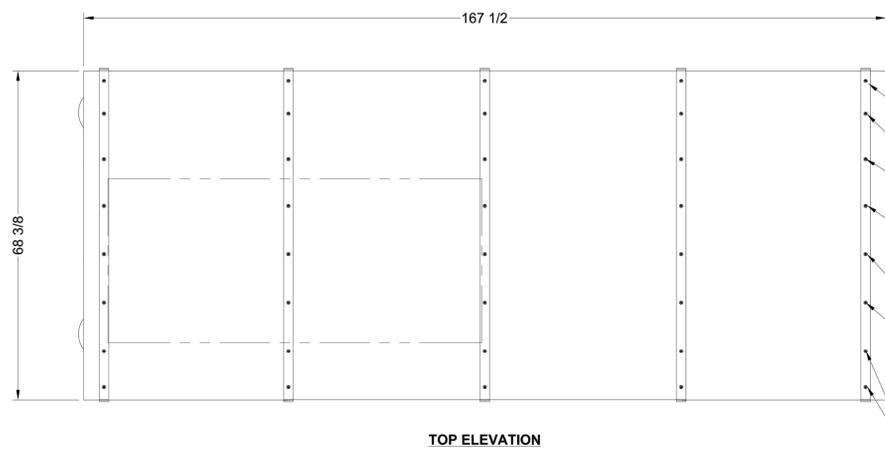
**POST SHOE WELDMENT DETAIL (3 PLCS)**



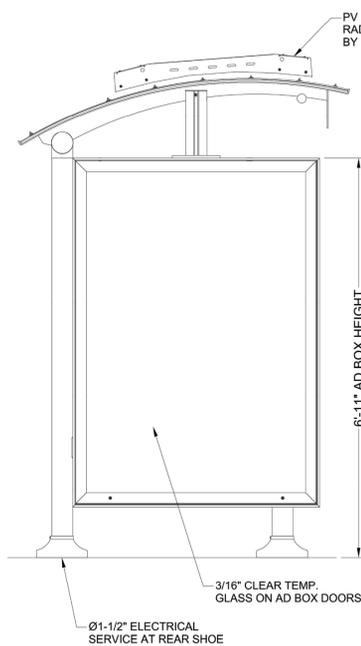
**AD BOX SHOE WELDMENT DETAIL (1 PLC)**



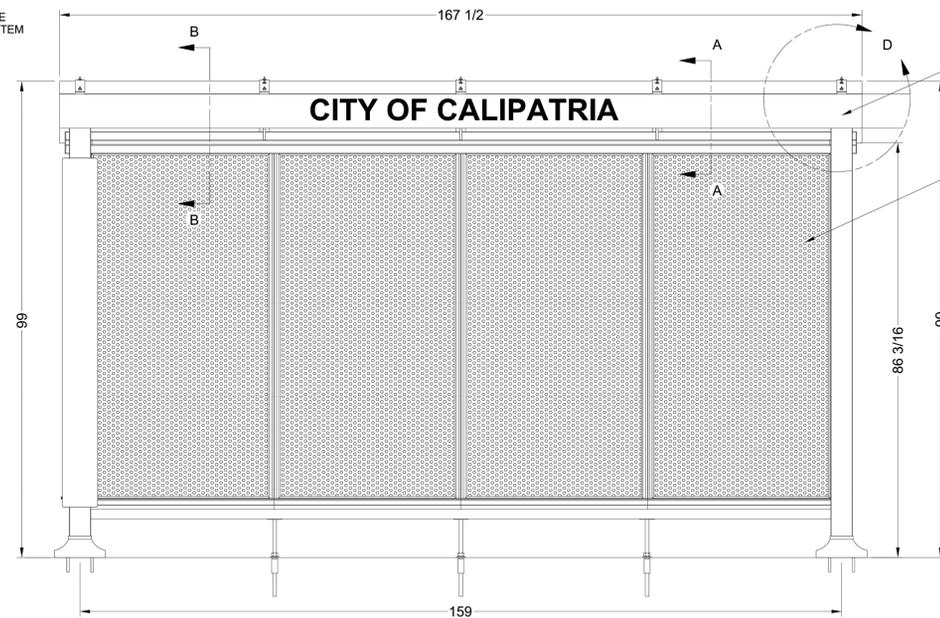
**TOP VIEW (SHOWN WITHOUT ROOF PANELS)**



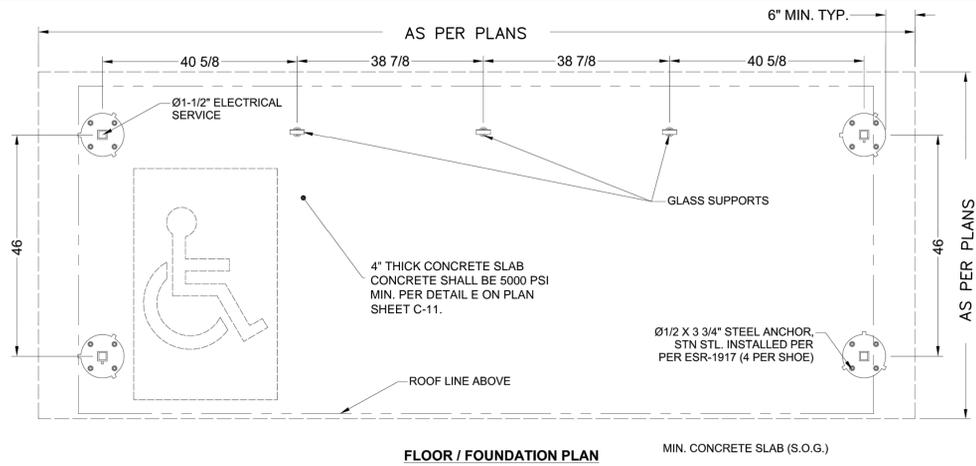
**TOP ELEVATION**



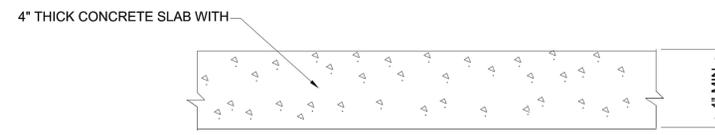
**FRONT ELEVATION**



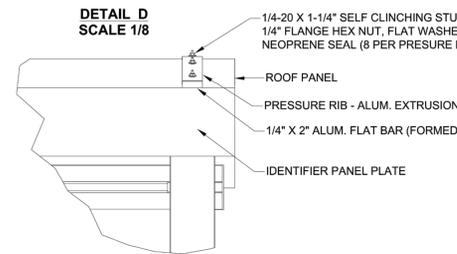
**SIDE ELEVATION**



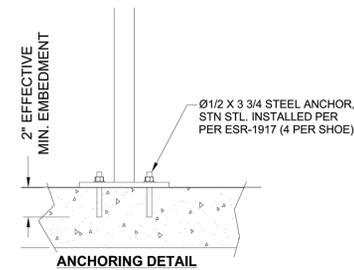
**FLOOR / FOUNDATION PLAN**



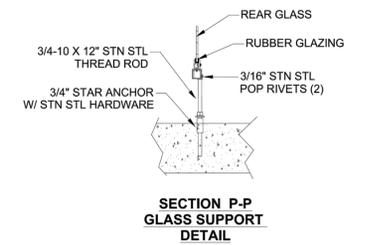
**TYPICAL SLAB SECTION**



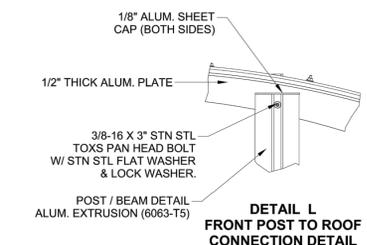
**DETAIL D SCALE 1/8**



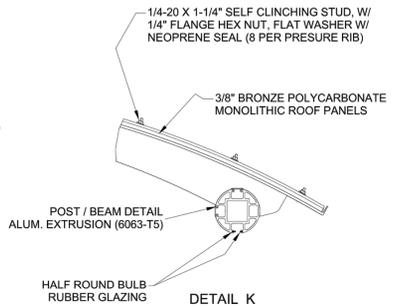
**ANCHORING DETAIL**



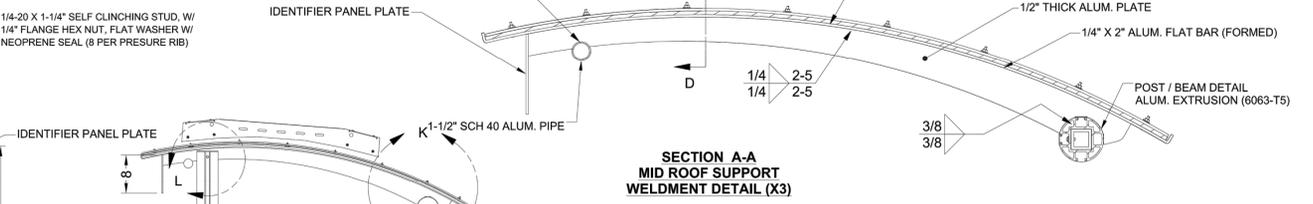
**SECTION P-P GLASS SUPPORT DETAIL**



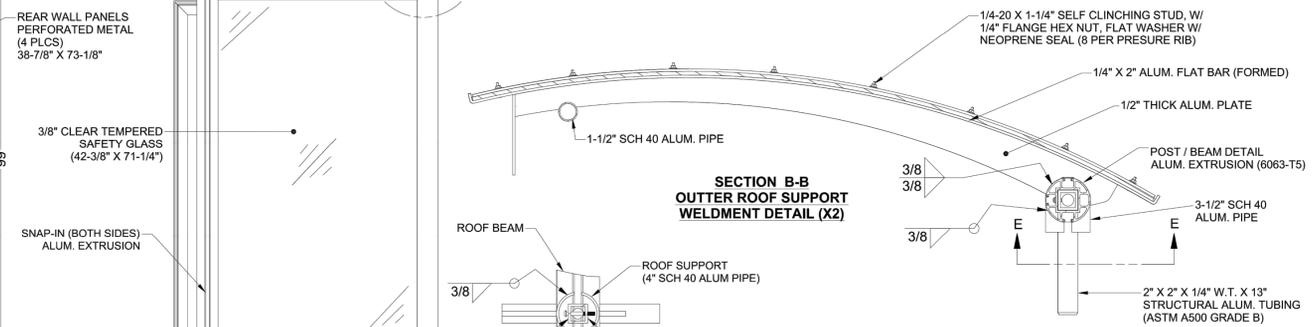
**DETAIL L FRONT POST TO ROOF CONNECTION DETAIL**



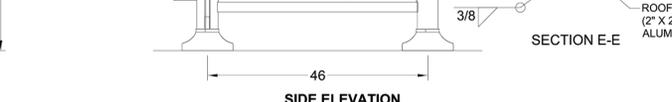
**DETAIL K**



**SECTION A-A MID ROOF SUPPORT WELDMENT DETAIL (X3)**



**SECTION B-B OUTER ROOF SUPPORT WELDMENT DETAIL (X2)**



**SECTION E-E**

**BUS SHELTER DETAIL - CITY OF CALIPATRIA**

TOLAR MANUFACTURING COMPANY INC., DWG No. 51645-00

NTS **A** **C-14**

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.		TOLAR Manufacturing Company, Inc. 258 Mariah Circle, Corona, CA 92677	
HOLE SIZE: #1/32	DESCRIPTION: 14' AD SUNSET WITH PERFORATED WALLS	CUSTOMER/ENDOR: CALIPATRIA, CA	DATE: 09/16/24
K < C: #1/32	SCALE: NOTED	NO. 51645-00	REV: -
K < D: #1/16	DATE: 09/16/24	DRAWN BY: E. ROMERO	EXP: 03/31/26
ANGLES: #1/2"	THIRD ANGLE PROJECTION		



**ICTC- BUS STOP IMPROVEMENTS**  
**CITY OF CALIPATRIA**

**BUS SHELTER DETAIL**

**NICKLAUS ENGINEERING, INC.**  
1851 West 24th Street Yuma, Arizona 85364  
Phone: (928) 344-8374  
www.neiaw.com

SCALE: AS SHOWN  
DATE: JUN, 2025  
DES. BY: RVC  
DRAWN BY: PM  
SURVEYED BY: JD  
JOB No.: 024-0018  
SHEET 14 OF 20

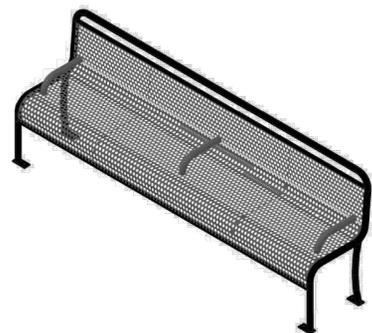
**C-14**

N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06\_Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF CALIPATRIA.dwg

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ZONE	REV	DESCRIPTION	DATE	APPROVED



CONFIGURATION A	
1	PLANT 1
2	PLANT 2

CONFIGURATION B - ANCHORS	
1	NO ANCHORS
2	1/2" X 3 3/4" SUP-R ANCHORS, ZINC
3	1/2" X 3 3/4" SUP-R ANCHORS, STN STL
4	1/2" X 4 1/4" SUP-R ANCHORS, ZINC
5	1/2" X 4 1/4" SUP-R ANCHORS, STN STL
6	1/2" X 3 3/4" HLT T2 ANCHORS, ZINC
7	1/2" X 3 3/4" HLT T2 ANCHORS, STN STL
8	1/2" X 4 1/4" HLT T2 ANCHORS, ZINC
9	1/2" X 4 1/4" HLT T2 ANCHORS, STN STL
9	SPECIAL - SPECIFIED ON SALES ORDER

CONFIGURATION C - FINISH	
1	W/TK
2	STANDARD POWDER COAT
3	STANDARD POWDER COAT WITH CLEAR COAT
4	PREMIUM POWDER COAT
5	PREMIUM POWDER COAT WITH CLEAR COAT
6	TBD
7	TBD
8	TBD
9	TBD
9	SPECIAL - SPECIFIED ON SALES ORDER

SHEET 1 OF 2

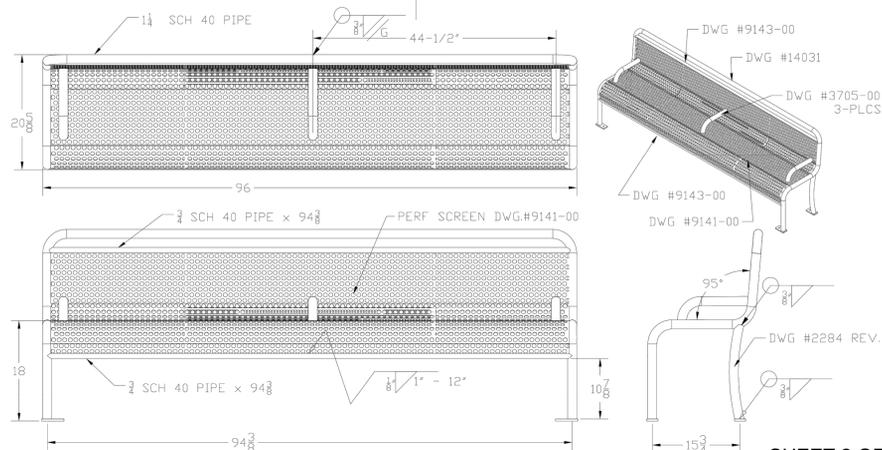
EXAMPLE: 1 2 8 3 0 - 1 1 1  
DRAWING NUMBER CONFIGURATION A CONFIGURATION B CONFIGURATION C

Tolar Manufacturing Company, Inc 258 Mariah Circle, Corona, CA 92879	
DESCRIPTION BENCH, 8' PERF. CONTOUR W/ 3 V-BARS	
CUSTOMER/VENDOR FOR USE WITH 1/2" ANCHOR	
SIZE A	MATL A
DWG NO. 12830	REV 1
SCALE AS SHOWN	DATE 06/03/10
DRAWN BY EM	DATE 06/03/10

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THIS DRAWING HAS BEEN GENERATED AND IS MAINTAINED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY TOLAR MANUFACTURING CO., INC.'S ENGINEERING DEPT.

ZONE	REV	DESCRIPTION	DATE	APPROVED



SHEET 2 OF 2

HARDWARE:	
1	8583081 x12 #14 X 1" TORX T.P.

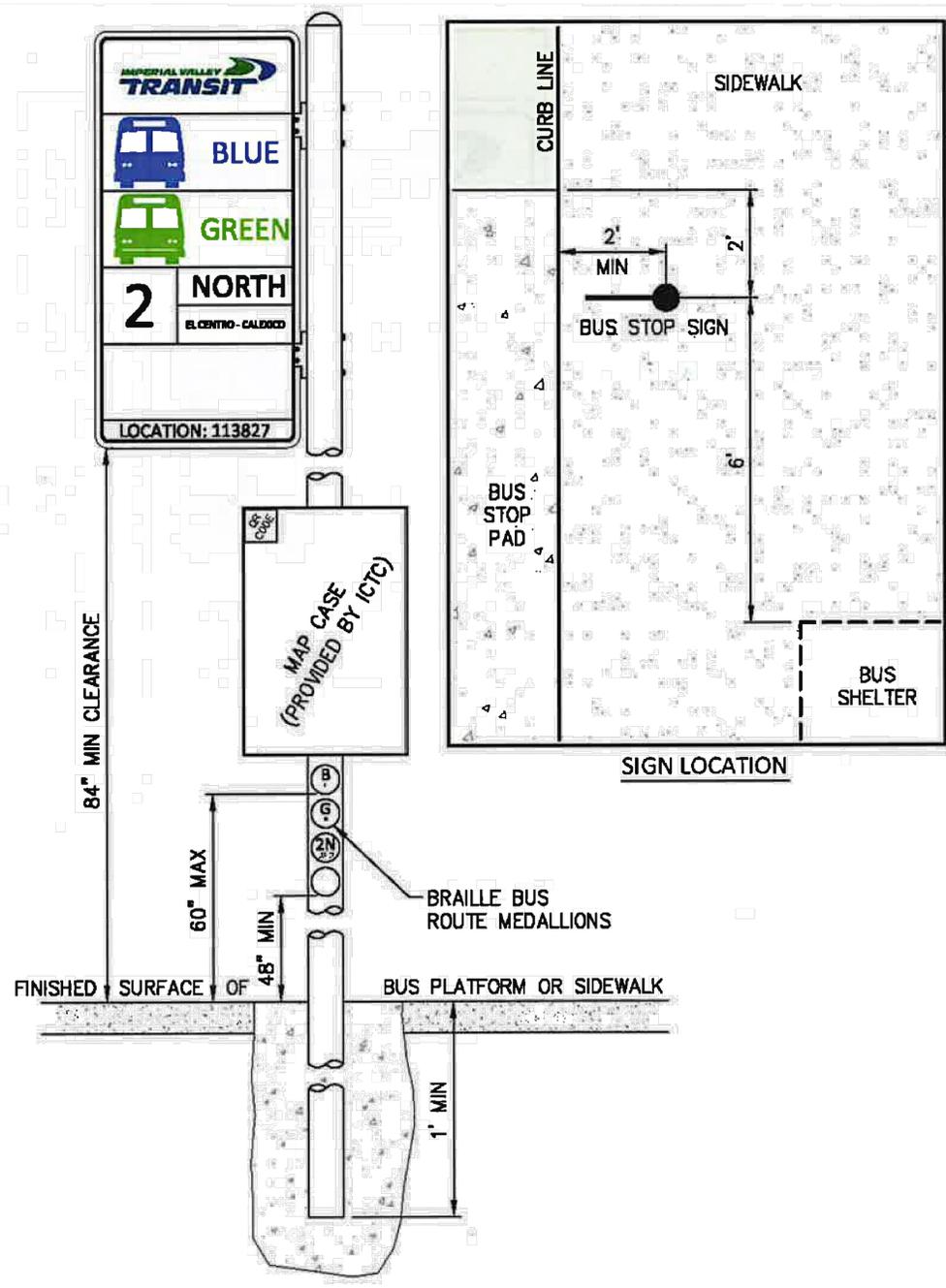
Tolar Manufacturing Company, Inc 258 Mariah Circle, Corona, CA 92879	
DESCRIPTION BENCH, 8' PERF. CONTOUR W/ 3 V-BARS	
CUSTOMER/VENDOR FOR USE WITH 1/2" ANCHOR	
SIZE A	MATL A
DWG NO. 12830	REV 1
SCALE AS SHOWN	DATE 06/03/10
DRAWN BY EM	DATE 06/03/10

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**BENCH DETAIL - CITY OF CALIPATRIA**

TOLAR MANUFACTURING COMPANY, INC.

NTS **C-15**



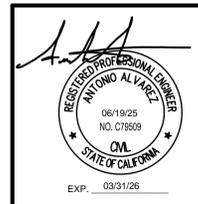
**BUS SIGN POLE DETAIL - CITY OF CALIPATRIA**

BUS STOP DESIGN AND SAFETY GUIDELINE HANDBOOK, FIGURE 8

NTS **C-15**

N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06\_Technical\02 - Drawing\024-0018 ICTC BUS STOP CITY OF CALIPATRIA.dwg

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<b>ICTC - BUS STOP IMPROVEMENTS CITY OF CALIPATRIA</b>	
<b>BENCH AND BUS SIGN POLE DETAIL</b>	SCALE: AS SHOWN DATE: JUN, 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 15 OF 20
<b>NICKLAUS ENGINEERING, INC.</b> 1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com	
<b>C-15</b>	

**SPECIFICATIONS**

**SD-36  
36 GALLON TRASH RECEPTACLE**

RECEPTACLE: RECEPTACLE IS FABRICATED FROM 12 GAUGE STEEL SHEET. TOP RING IS 5/8" ROD. STIFFENER RINGS ARE 1/4" STEEL PLATE. BOTTOM PLATE IS FABRICATED FROM 12 GAUGE SHEET STEEL PRECISION PUNCHED. HINGES ARE 0.93" STEEL PLATE WITH STEEL BUSHINGS. ALL ELECTRICALLY MIG WELDED.

DOOR: DOOR IS FABRICATED FROM 12 GAUGE STEEL SHEET. TOP AND BOTTOM DOOR STIFFENER RINGS ARE 1/4" STEEL PLATE.

RECEPTACLE COATING: OVEN FUSED FUNCTIONALIZED POLYETHYLENE COPOLYMER-BASED THERMOPLASTIC. FLUIDIZED BED COATING APPLICATION WITH SUPERIOR MECHANICAL PERFORMANCE, IMPACT RESISTANCE AND UV-STABILITY.

RECEPTACLE DIMENSIONS: 42-3/4" HIGH X 31-1/2" IN DIAMETER X 36 GALLON CAPACITY.

**FTR-32-08  
32 GALLON FLAT TOP**

MATERIAL: TOP PLATE SHALL BE FABRICATED FROM 18 GAUGE STEEL FLAT, SPUN TO FORM.

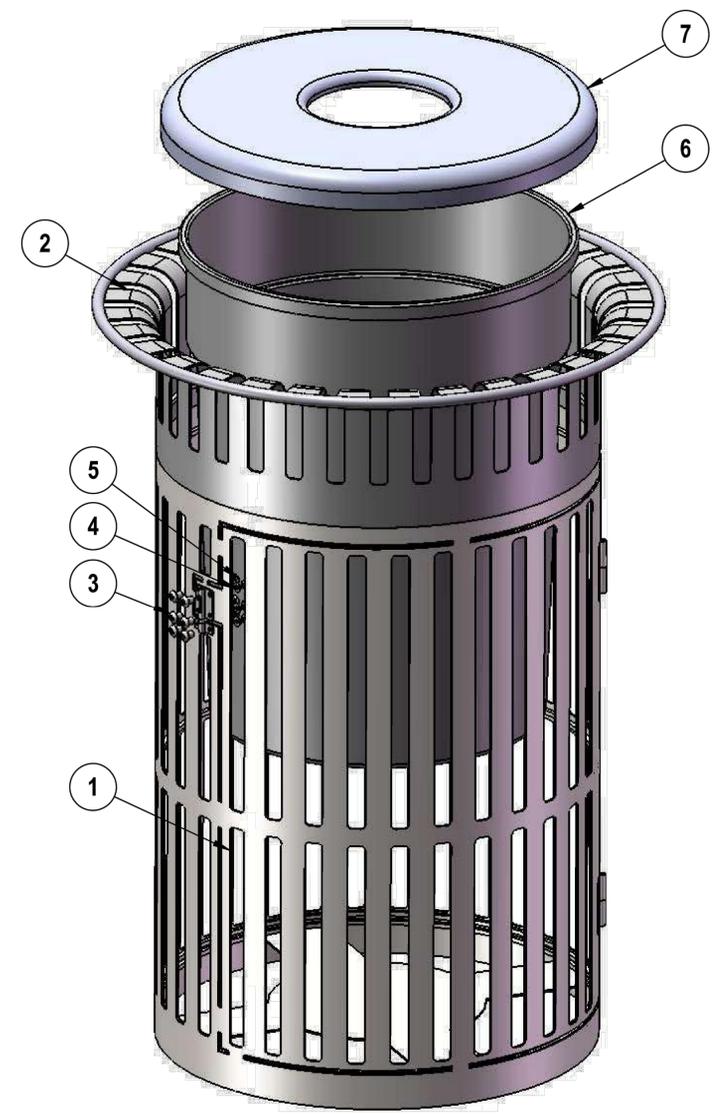
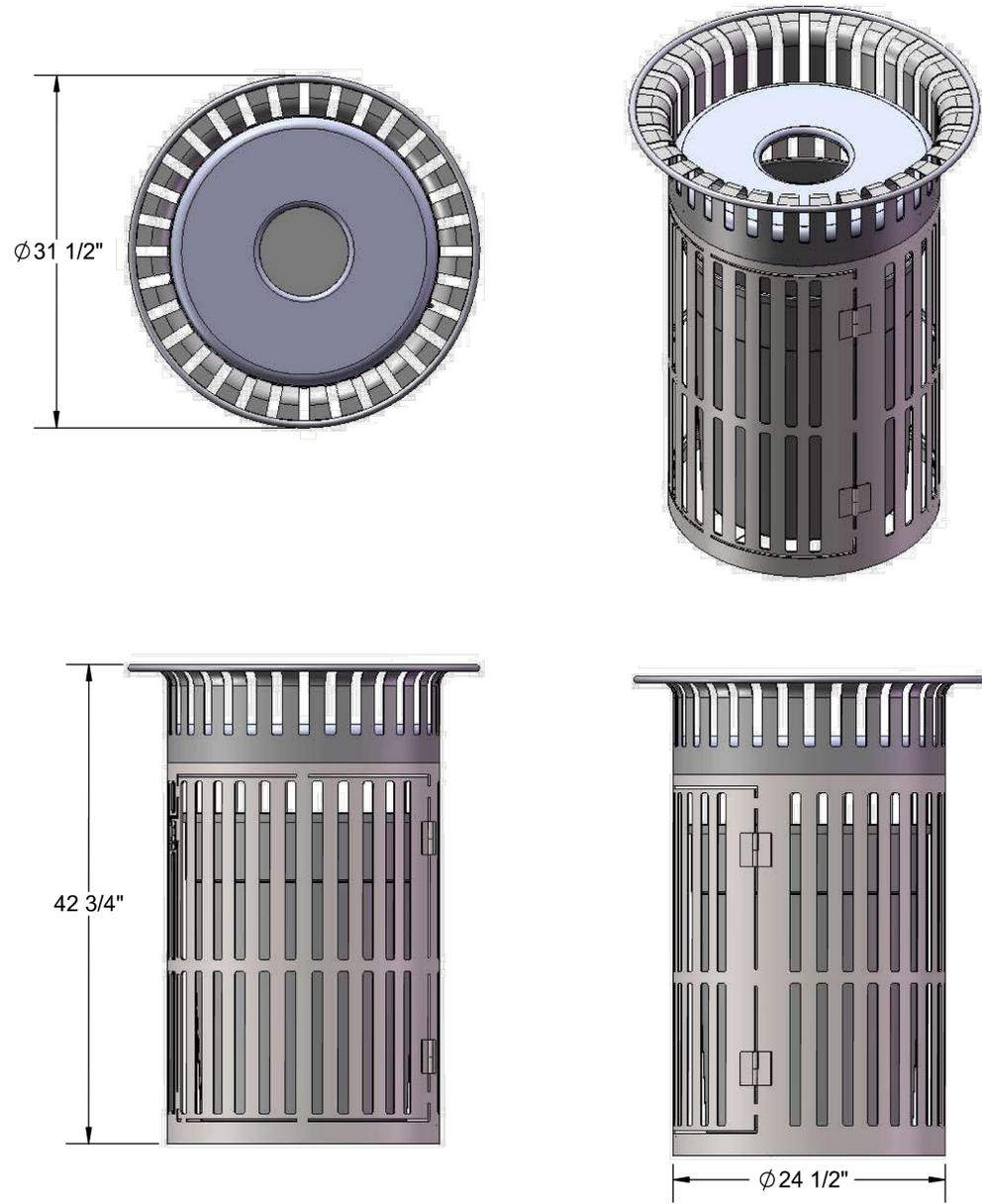
COATING: STEEL IS SANDBLASTED TO NEAR WHITE CONDITION AND PRIMERED WITH A ZINC RICH EPOXY PRIMER. THEN COATED WITH ELECTROSTATIC POWDER COAT, OVEN CURED.

TOP DIMENSIONS: CENTER OPENING SHALL BE AN 8" INSIDE DIAMETER. THE OVERALL DIMENSIONS SHALL BE 24" X 2" HIGH.

32 GALLON LINER: MADE OF HEAVY DUTY PLASTIC.

OVERALL DIMENSIONS INCLUDING TOP: 31-1/2" IN DIAMETER X 42-3/4" HIGH X 36 GALLON CAPACITY.

NOTE: RECEPTACLE MAY COME ASSEMBLED.



ITEM NO.	PartNo	DESCRIPTION	Qty.
1	01-05-0221	Swing Door Assembly	1
2	01-05-0220	Swing Door Can Assembly	1
3	33-06-0075	1/4"-20 x 1/2" Button Bolt (SS)	6
4	33-02-0016	1/4" Flat Washer (SS)	6
5	33-01-0036	1/4" Hex Nut SS	6
6	PL-32	32 Gal. Liner	1
7	(T/P) FTR-32-08	32 Gallon Rolled Flat Top with a 8" opening	1

TRASH RECEPTACLE - CITY OF CALIPATRIA D  
NTS C-16

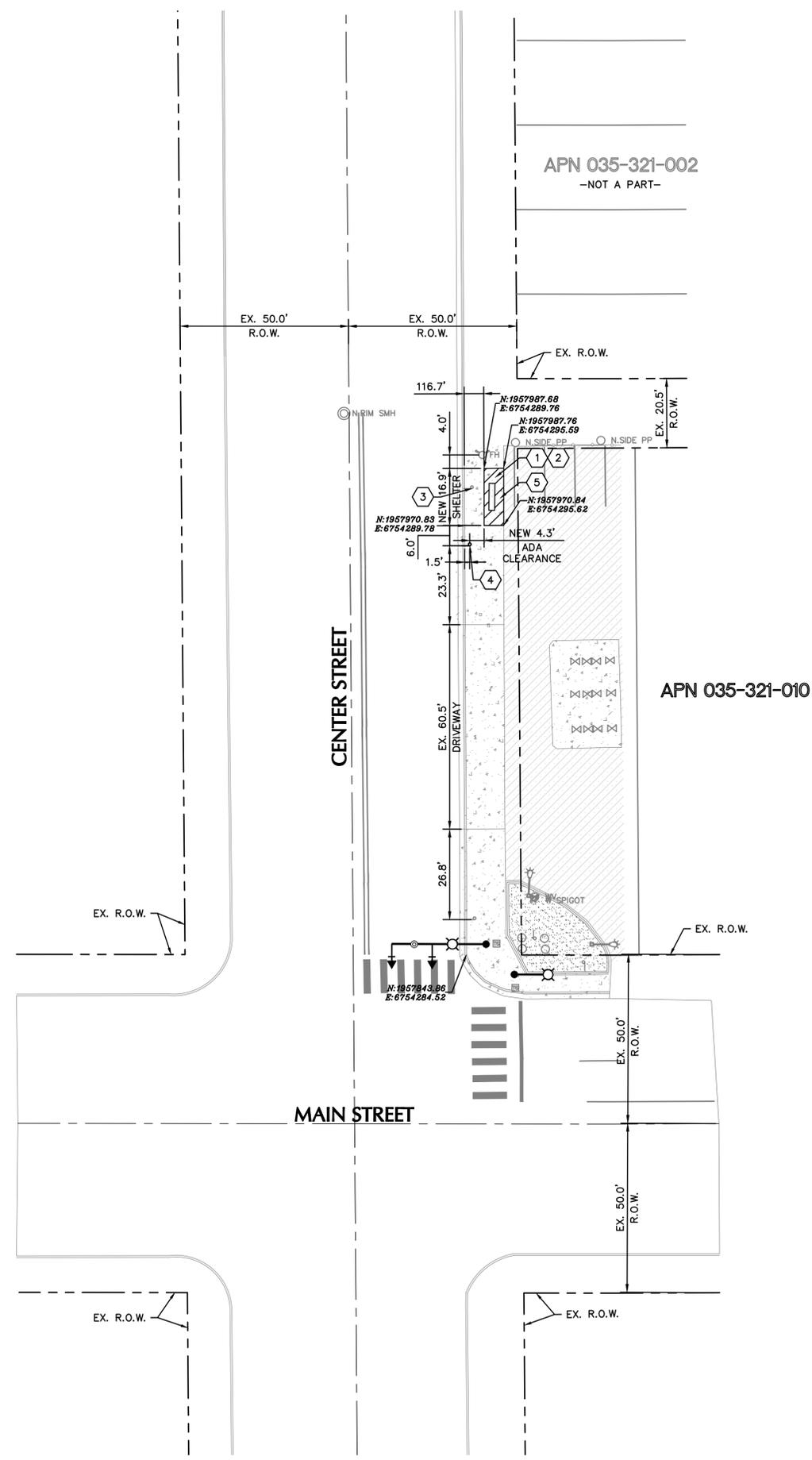
NOTE: Receptacle may come assembled.

<b>ICTC- BUS STOP IMPROVEMENTS CITY OF CALIPATRIA</b>	
<b>TRASH RECEPTACLE DETAIL</b>	SCALE: AS SHOWN DATE: MAY, 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 16 OF 20
<b>NICKLAUS ENGINEERING, INC.</b> 1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com	
<b>C-16</b>	

N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06 Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF CALIPATRIA.dwg

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N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06\_Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF WESTMORLAND.dwg

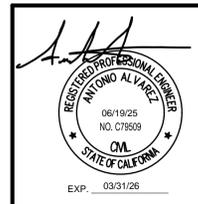
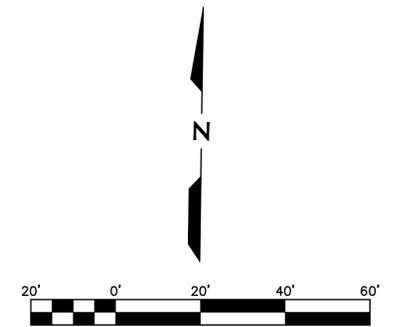


### LEGEND

○	FOUND SURVEY MONUMENT AS NOTED
---	CENTER/SECTIONAL LINE
- - - -	EXISTING RIGHT OF WAY LINE
---	EXISTING STRIPING
---	EXISTING LOT LINE
▨	EXISTING ASPHALT PAVEMENT
▩	EXISTING CONCRETE
▧	EXISTING BUILDING
▦	EXISTING LANDSCAPED AREA
▤	NEW CONCRETE
⊙	EXISTING WATER VALVE
⊠	EXISTING ELECTRICAL BOX
⊞	EXISTING TELEPHONE JUNCTION BOX
⊚	EXISTING POWER POLE
⊟	EXISTING STOP SIGN
⊠	EXISTING SIGN
⊠	EXISTING LIGHT POLE
⊠	EXISTING COMMUNICATION BOX
⊠	EXISTING FIRE HYDRANT
⊠	EXISTING LUMIN
⊠	EXISTING FLAG
⊠	EXISTING GAS VALVE
⊠	EXISTING IRRIGATION BOX
⊠	EXISTING MAIL BOX
⊠	EXISTING TREE
⊠	EXISTING PALM TREE
⊠	EXISTING TRAFFIC LIGHT

### SCHEDULE OF WORK

- 1 NEW ELEVATION 70" WIDE 17 NALD SHELTER, BY TOLAR MANUFACTURING COMPANY, INC., SIZE D, DWG NO. 23900-01 DATED ON 07/18/2023. . . . .SEE DETAIL **A-C17**
- 2 NEW 8' PERF. BENCH WITH NO BACK AND W/3 VAGRANT BARS BY TOLAR MANUFACTURING COMPANY, INC., SIZE D, ALL STL MATERIAL, DWG NO. 12104-121, DATED ON 09/24/2018. . . . .SEE DETAIL **B-C18**
- 3 EXISTING TRAFFIC SIGN TO BE RELOCATED.
- 4 NEW BUS SIGN POLE . . . . .SEE DETAIL **C-C19**
- 5 CONTRACTOR TO INSTALL NEW BUS SHELTER ON EXISTING CONCRETE SLAB.



### ICTC-BUS STOP IMPROVEMENTS CITY OF WESTMORLAND

#### MAIN ST AND CENTER ST BUS SHELTER IMPROVEMENTS

**NICKLAUS**  
ENGINEERING, INC.  
1851 West 24th Street Yuma, Arizona 85364  
Phone: (928) 344-8374  
www.neiaw.com

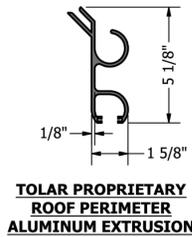
SCALE:	AS SHOWN
DATE:	JUN, 2025
DES. BY:	RVC
DRAWN BY:	PM
SURVEYED BY:	JD
JOB. No.:	024-0018
SHEET	17 OF 20

**C-17**

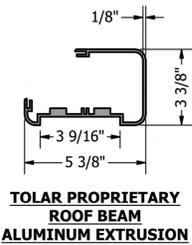
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**GENERAL NOTES:**

1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
3. ALL HOLES TO BE DRILLED OR PUNCHED.
4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
6. ALL WELDING TO BE DONE AT TOLAR MANUFACTURING COMPANY, INC. FACILITY.
7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH TOLAR MANUFACTURING CO. INC'S QUALITY CONTROL MANUAL.
8. THE CONCRETE PAD SIZES SHOWN DOES NOT INCLUDE ADA CLEAR PATH REQUIREMENTS.

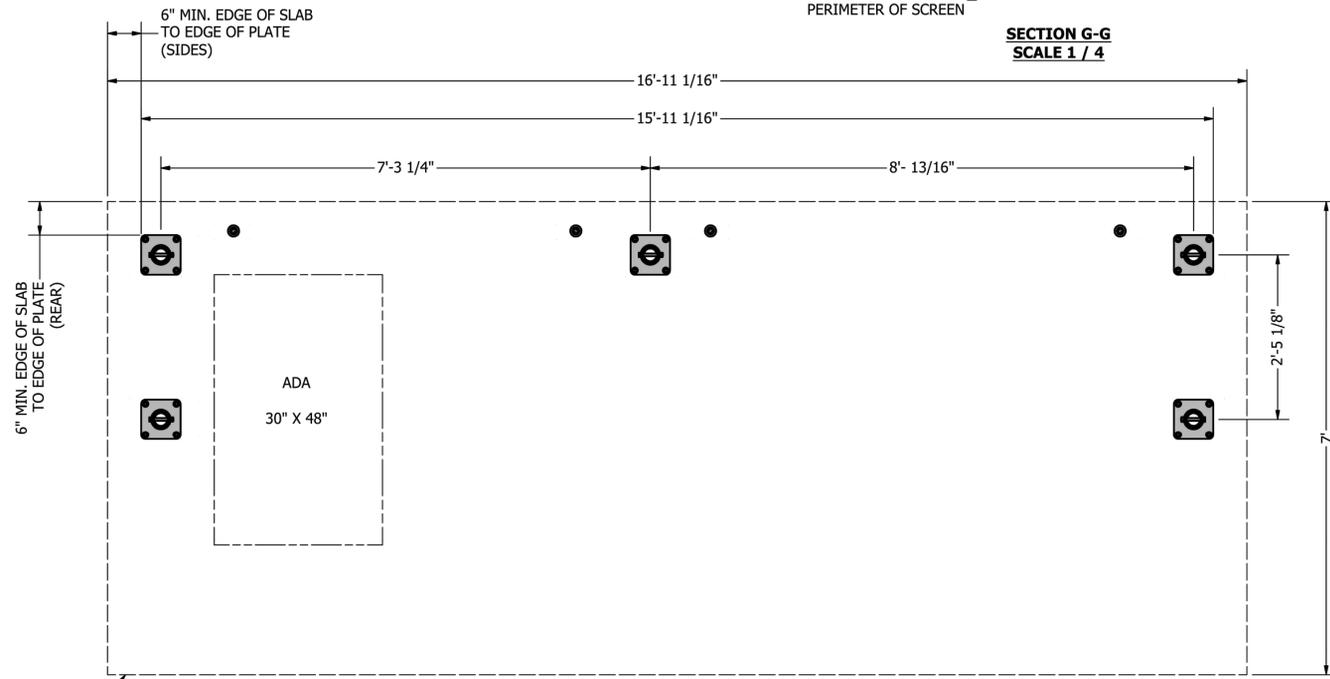


**TOLAR PROPRIETARY ROOF PERIMETER ALUMINUM EXTRUSION**

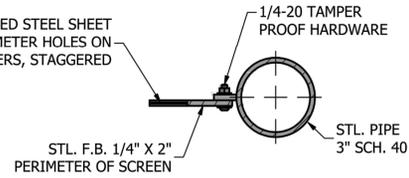


**TOLAR PROPRIETARY ROOF BEAM ALUMINUM EXTRUSION**

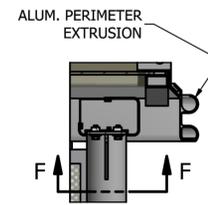
6" CONCRETE SLAB, 2,500 PSI, W/ #4 REBAR @ 12" O.C. EACH WAY, 3" BOTTOM AND EDGE CLEARANCE



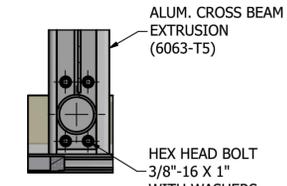
**SECTION A-A SCALE 1/16**



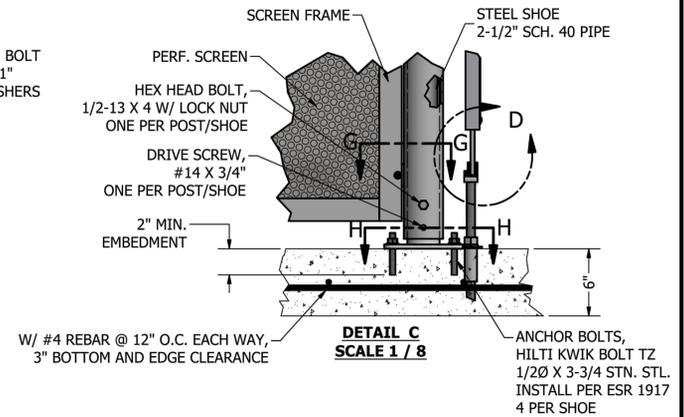
**SECTION G-G SCALE 1/4**



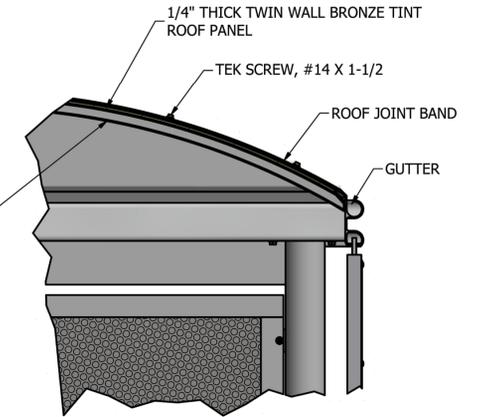
**SECTION E-E SCALE 1/8**



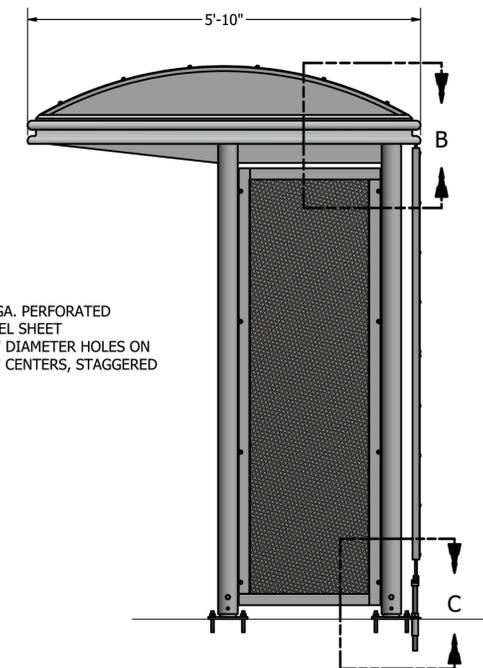
**SECTION F-F SCALE 1/8**



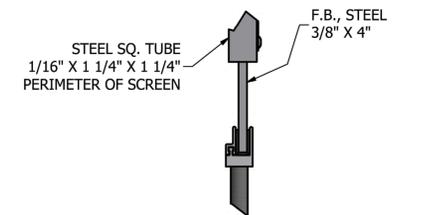
**DETAIL C SCALE 1/8**



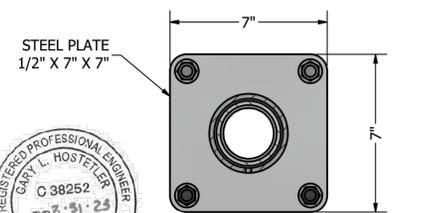
**DETAIL B SCALE 1/8**



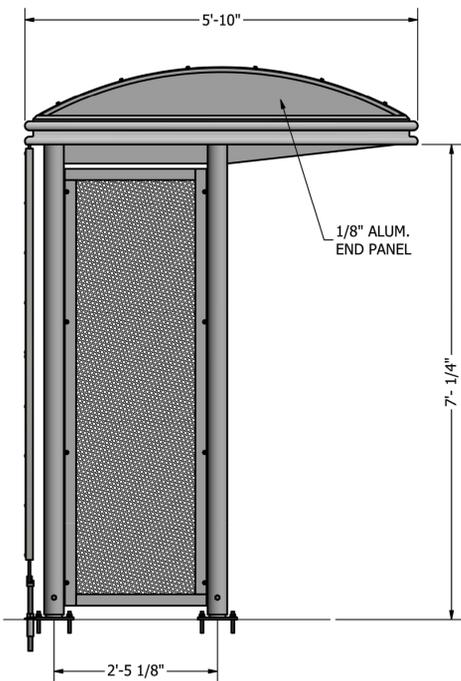
**END ELEVATION**



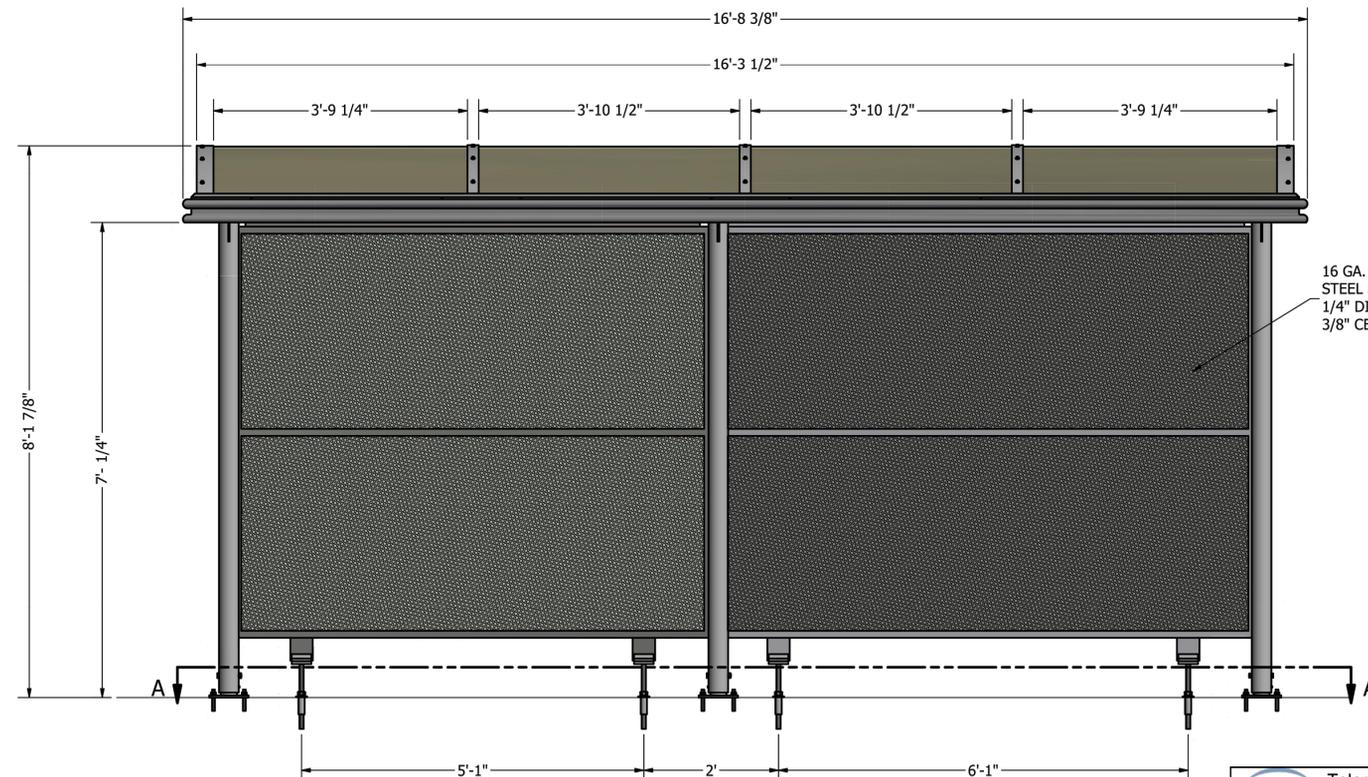
**DETAIL D SCALE 1/4**



**SECTION H-H SCALE 1/4**



**END ELEVATION**



**FRONT ELEVATION**

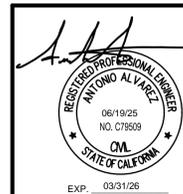
16 GA. PERFORATED STEEL SHEET 1/4" DIAMETER HOLES ON 3/8" CENTERS, STAGGERED

**BUS SHELTER DETAIL - CITY OF WESTMORLAND**

TOLAR MANUFACTURING COMPANY INC., DWG No. 23900-01



		Tolar Manufacturing Company, Inc 258 Mariah Circle, Corona CA. 92879	
DESCRIPTION ELEVATION, 70" WIDE, 17NALD SHELTER			
CUSTOMER/VENDOR BRAWLEY, CA		SHEET NO. 1 OF 1	
SIZE D	MATL. VARIES	DWG NO. 23900-01	REV. NO. -
SCALE 1/16	DATE 7/18/2023	DRAWN BY: E. ROMERO	

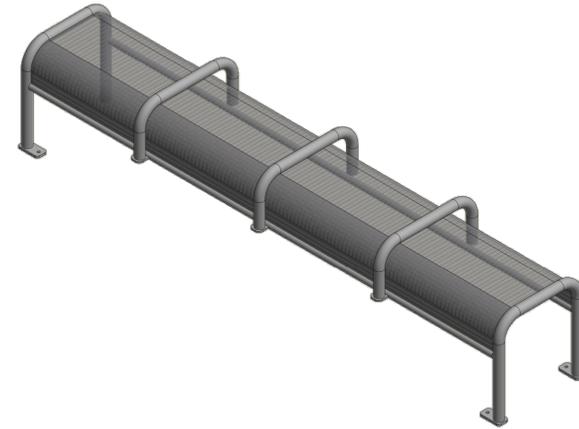
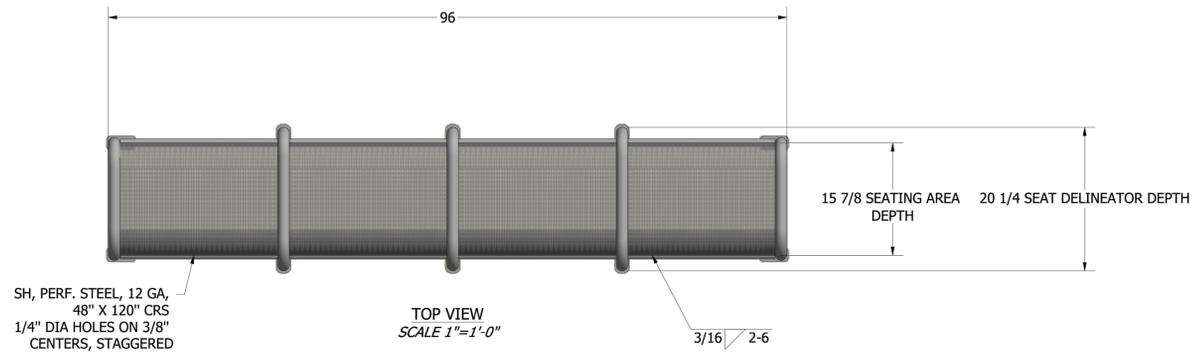


<b>ICTC- BUS STOP IMPROVEMENTS</b> CITY OF WESTMORLAND	
<b>BUS SHELTER DETAIL</b>	
1851 West 24th Street Yuma, Arizona 85364 Phone: (928) 344-8374 www.neiaw.com	
SCALE: AS SHOWN DATE: JUN, 2025 DES. BY: RVC DRAWN BY: PM SURVEYED BY: JD JOB. No.: 024-0018 SHEET 17 OF 19	<b>C-18</b>

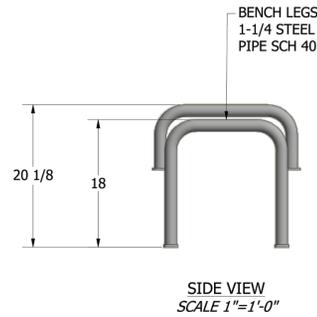
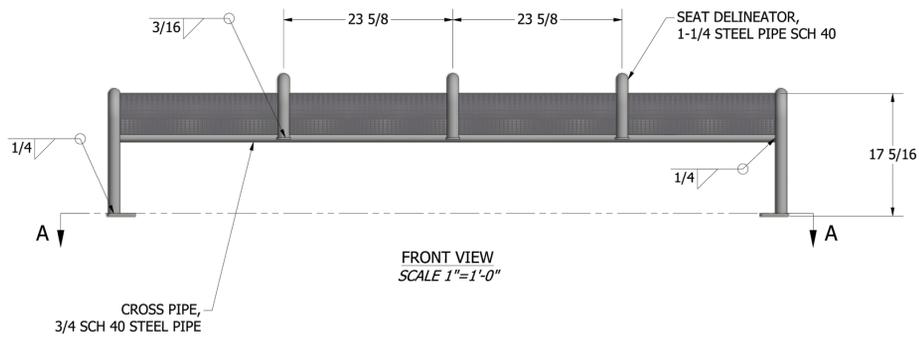
N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06\_Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF WESTMORLAND.dwg

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N:\2024\024-0018\0000 ICTC Bus Stop Improvements Design Services (WON)\06 Technical\02 - Drawings\024-0018 ICTC BUS STOP CITY OF WESTMORLAND.dwg



ISOMETRIC VIEW  
SCALE 1"=1'-0"



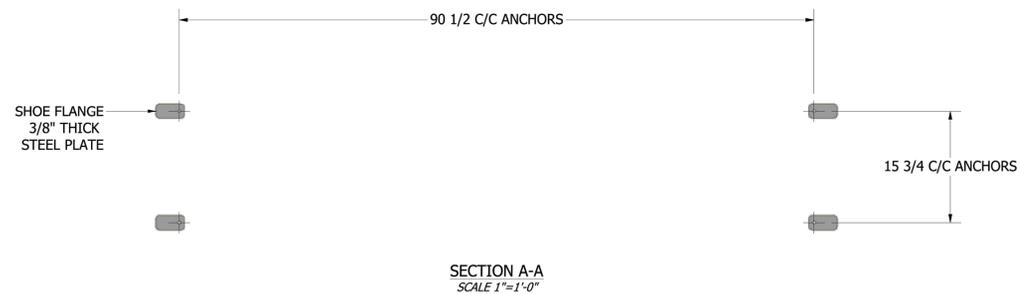
SIDE VIEW  
SCALE 1"=1'-0"

CONFIGURATION A	
1	PLANT 1
2	

CONFIGURATION B - ANCHORS	
0	
1	
2	1/2" X 3 3/4" SUP-R ANCHORS, STN STL
3	
4	
5	
6	
7	
8	
9	

CONFIGURATION C - FINISH	
0	
1	
2	STANDARD POWDER COAT
3	
4	
5	
6	
7	
8	
9	

EXAMPLE: 1 2 1 0 4 - 1 2 1  
DRAWING NUMBER CONFIGURATION A CONFIGURATION B CONFIGURATION C



SECTION A-A  
SCALE 1"=1'-0"



JUN 16 2022

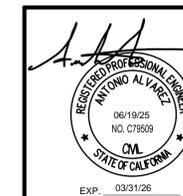
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Tolar Manufacturing Company, Inc 258 Mariah Circle, Corona CA. 92879			
DESCRIPTION: 8" PERF BENCH WITH NO BACK AND W/3 VAGRANT BARS			
CUSTOMER/VENDOR	TOLAR STANDARD	SHEET NO.	1 of 1
SIZE	D	DWG NO.	12104-121
MATL.	ALL STL.	REV. NO.	
STOCK #	DATE: 9/24/2018	DRAWN BY:	RFair

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**BENCH DETAIL - CITY OF WESTMORLAND**

TOLAR MANUFACTURING COMPANY INC., DWG No. 12104-121



**ICTC- BUS STOP IMPROVEMENTS  
CITY OF WESTMORLAND**

**BENCH DETAIL**

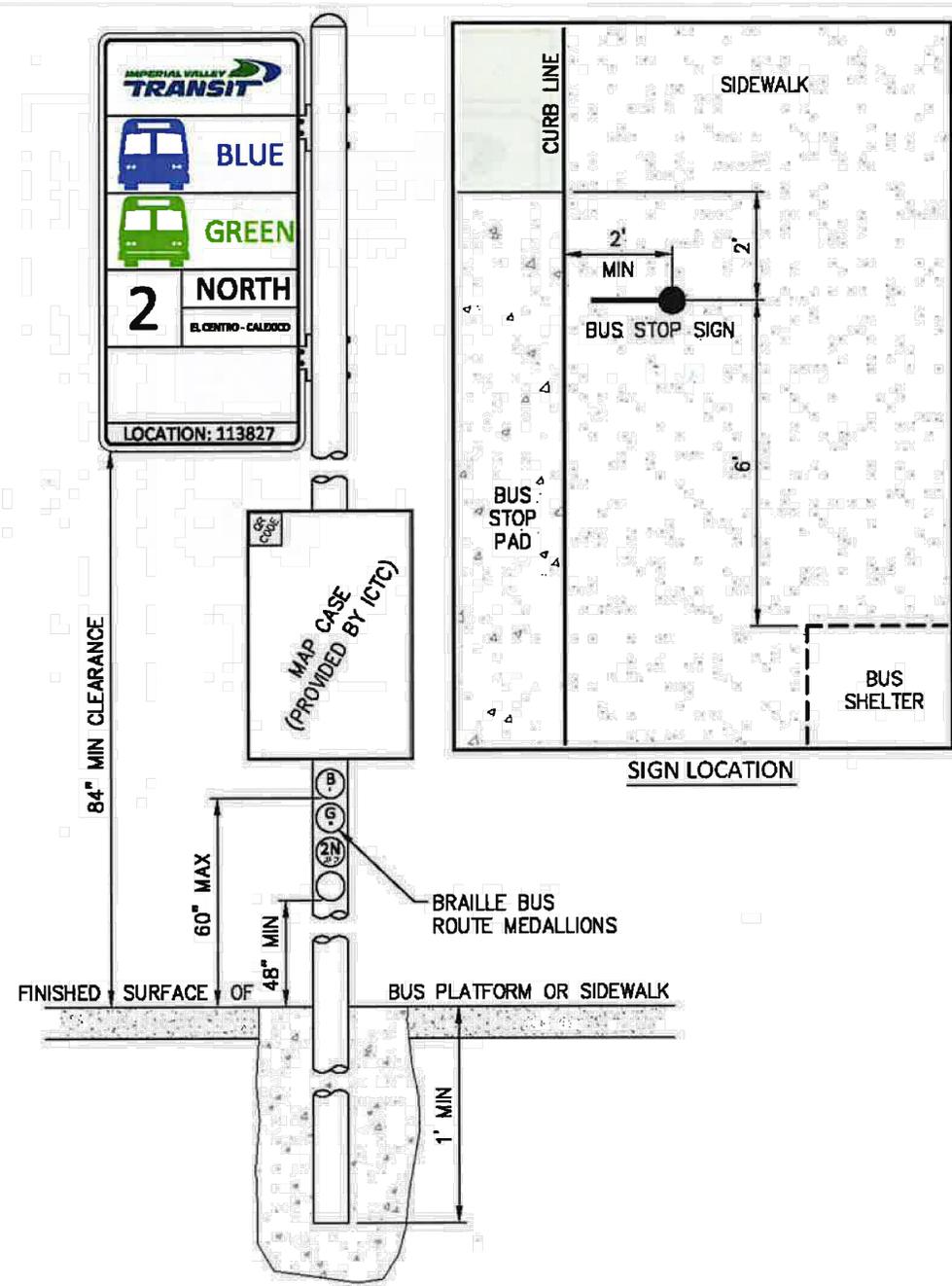
**NICKLAUS**  
ENGINEERING, INC.  
1851 West 24th Street Yuma, Arizona 85364  
Phone: (928) 344-8374  
www.neiaw.com

SCALE: AS SHOWN  
DATE: JUN, 2025  
DES. BY: RVC  
DRAWN BY: PM  
SURVEYED BY: JD  
JOB. No.: 024-0018  
SHEET 18 OF 19

**C-19**

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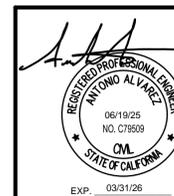
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**BUS SIGN POLE DETAIL - CITY OF WESTMORLAND**

BUS STOP DESIGN AND SAFETY GUIDELINE HANDBOOK, FIGURE 8

NTS  
**C-20**



**ICTC- BUS STOP IMPROVEMENTS  
 CITY OF WESTMORLAND**

**BENCH DETAIL**

**NICKLAUS**  
 ENGINEERING, INC.

1851 West 24th Street Yuma, Arizona 85364  
 Phone: (928) 344-8374  
 www.neiaw.com

SCALE: AS SHOWN  
 DATE: JUN, 2025  
 DES. BY: RVC  
 DRAWN BY: PM  
 SURVEYED BY: JD  
 JOB. No.: 024-0018  
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