

**ADDENDUM No. 1**

Date May 7, 2012

City of Austin

Project Name ADA Sidewalk & Ramp Improvements Group 13 Citywide

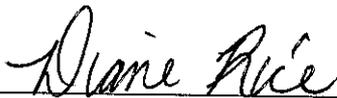
C.I.P. No. 5769.084

This Addendum forms a part of Contract and clarifies, corrects or modifies original Bid Documents, dated April 9, 2012. Acknowledge receipt of this addendum in space provided on bid form. Failure to do so may subject bidder to disqualification.

**A. Project Manual Revisions:**

1. **Table of Contents:** **DELETE** entire TOC and **REPLACE** with attached Addendum No. 1 TOC.
2. **Section 00300U:** **DELETE** Section 00300U in its entirety and **REPLACE** with attached Addendum No. 1 Section 00300U.
3. **ADD** attached Section 00830BC Wage Rates Building Construction Trades.
4. **ADD** attached City Standard Technical Specification 432S.
5. **SP1:** **DELETE** SP1 in its entirety and **REPLACE** with attached Addendum No. 1 SP1.
6. **SP700S** Section 700S.3 Payment:  
**DELETE** last sentence and **REPLACE** with:  
"Mobilization shall be defined as subsidiary to any pay item of this contract."
7. **ADD** attached City Standard Details 707S-1, 707S-2, 707S-3 and 707S-4.

This addendum consists of 39 pages.



Approved by OWNER



Approved by ENGINEER/ARCHITECT



**END**

**Document  
Number**

**Title**

---

**VOLUME 1**

**INTRODUCTORY INFORMATION**

05/06/11 Title Page  
04/24/12 Table of Contents

**BIDDING REQUIREMENTS, CONTRACT FORMS, & CONDITIONS OF THE CONTRACT**

**Pre-Bid Information**

00020 03/12/12 Invitation for Bids

**Instructions to Bidders**

00100 03/12/12 Instructions to Bidders

**Bid Forms**

00300U 03/12/12 Bid Form

**Supplements to Bid Forms**

00400 05/06/11 Statement of Bidder's Experience  
00405 09/25/05 Certificate of Non-Suspension or Debarment  
00410 05/06/11 Statement of Bidder's Safety Experience  
00440 05/06/11 Affidavit - Prohibited Activities  
00475 05/06/11 Nonresident Bidder Provisions

**Agreement Form**

00500 03/12/12 Agreement

**Bonds and Certificates**

00610 02/23/10 Performance Bond  
00620 02/23/10 Payment Bond  
00630 05/06/11 Nondiscrimination Certificate  
00631 03/12/12 Title VI Assurances Appendix A  
00650 03/12/12 Certificate of Insurance  
00670 03/12/12 Sales Tax Exemption Certificate  
00680 06/05/06 Non-Use of Asbestos Affidavit (Prior to Construction)  
00681 06/05/06 Non-Use of Asbestos Affidavit (After Construction)

**General Conditions**

00700 03/12/12 General Conditions

**Supplementary Conditions**

00810 03/12/12 Supplemental General Conditions  
00820 03/12/12 Modifications to Bidding Requirements and Contract Forms  
00830 03/12/12 Wage Rates and Payroll Reporting  
00830HH 01/12/12 Wage Rates Highway Heavy  
00830BC 04/24/12 Wage Rates Building Construction Trades

**Addenda**

00900 02/23/10 Addendum {If any addendum is issued, it will be bound in the front of Contract sets following contract execution.}

Document Number	Title
-----------------	-------

**SPECIFICATIONS****Division 1 - General Requirements**

01010	03/12/12	Summary of Work
01050	09/13/10	Grades Lines & Levels
01095	07/21/03	Reference Standards and Definitions
01200	03/12/12	Project Meetings
01300	05/06/11	Submittals
01352	02/23/10	Sustainable Construction Requirements
01380	03/12/12	Construction Photography & Videos
01500	03/12/12	Temporary Facilities
01505	09/13/10	Construction and Demolition Waste Management
01550	12/12/08	Public Safety and Convenience
01900	03/12/12	Prohibition of Asbestos Containing Materials
01900a	06/05/06	Statement of Non-Inclusion of Asbestos Containing Material (E/A Prior to Design)
01900b	06/05/06	Statement of Non-Inclusion of Asbestos Containing Material (E/A After Design)

**Special Details**

Sheet G-1A	Group Location Map - Central
Sheet G-1B	Group Location Map - Northeast
Sheet G-1C	Group Location Map - Northwest
Sheet G-1D	Group Location Map - Southeast
Sheet G-1E	Group Location Map - Southwest
Sheet G-2	General Construction Notes
Sheet G-3	General Construction Notes
Sheet 1	Erosion and Sedimentation Control
Sheet 2	Tree Protection and Environmental Notes
Sheet 3	Details for Sidewalks
SD430S-1	Curb and Gutter Section in Moderately to Highly Expansive Soils
SD432S-1	Sidewalk - Low Expansive Soils
SD432S-2	Sidewalk - Moderately to Highly Expansive Soils
SD432S-2A	ADA Ramps in Moderately to Highly Expansive Soils
SD433S-2	Driveways in Moderately to Highly Expansive Soils
SPD-1	3 Approach Intersection flagging Operations
SPD-2	4 Approach Intersection flagging Operations
SPD-3	Bike Lane Closure
SPD-4	Lane Channelizing
SPD-5	Single Lane closure on a Three Lane Roadway
SPD-6	Typical Traffic Control Plan for Shifting Traffic
SPD-7	Multiple Lane Closure with a Traffic Shift on Arterial with a Center Left Lane
SPD-8	Protecting Excavated Areas in Right of Way

**VOL. 2****City Standard Technical Specifications**

102S	08/20/07	Clearing and Grubbing
104S	08/20/07	Removing Portland Cement Concrete
111S	11/18/04	Excavation
201S	08/20/07	Subgrade Preparation

<b>Document Number</b>	<b>Title</b>
210S	02/24/10 Flexible Base
313S	02/24/10 Cleaning and/or Sealing Joints and Cracks (Asphaltic Concrete)
315S	02/24/10 Milling Asphaltic Concrete Pavement and Non-Portland Cement Concrete Bases
340S	07/01/09 Hot Mix Asphaltic Concrete Pavement
360S	02/24/10 Concrete Pavement
401S	11/13/07 Structural Excavation and Backfill
403S	01/04/11 Concrete For Structures
405S	11/13/07 Concrete Admixtures
406S	11/13/07 Reinforcing Steel
407S	07/01/09 Fibrous Concrete
408S	11/13/07 Concrete Joint Materials
409S	11/13/07 Membrane Curing
410S	11/13/07 Concrete Structures
411S	11/13/07 Surface Finishes for Concrete
413S	11/13/07 Cleaning and/or Sealing Joints and Cracks (Portland Cement Concrete)
414S	11/13/07 Concrete Retaining Walls
432S	01/04/10 P.C. Concrete Sidewalks
434S	11/13/07 P.C. Concrete Medians and Islands
435S	11/13/07 P.C. Concrete Steps
470S	03/26/08 Curb Cuts for Sidewalk Ramps and Driveways
480S	01/04/10 Concrete Paving Units for Sidewalks
485S	11/13/07 Concrete Paving Units for Sidewalk Ramps
503S	02/17/00 Frames, Grates, Rings and Covers
504S	02/24/10 Adjusting Structures
508S	02/24/10 Miscellaneous Structures and Apurtenances
509S	02/24/10 Excavation Safety Systems
510	02/24/10 Pipe
601S	09/01/11 Salvaging and Placing Topsoil
602S	06/16/08 Sodding for Erosion Control
604S	08/18/10 Seeding For Erosion Control
605S	06/21/07 Soil Retention Blanket
606S	06/21/07 Fertilizer
610S	01/04/11 Preservation of Trees and Other Vegetation
620S	05/23/00 Filter Fabric
628S	10/30/09 Sediment Containment Dikes
640S	02/24/10 Mortared Rock Wall
700S	08/18/00 Mobilization
703	09/22/88 Fencing for Excavations
802S	02/24/10 Project Signs
803S	06/21/07 Barricades, Signs and Traffic Handling
824	02/24/10 Traffic Signs
<b>Special Provisions to City Standard Technical Specifications</b>	
SP1	Special Provisions to Items 430S, 432S, & 433S
SP102S	Special Provisions to Item 102S Clearing and Grubbing
SP104S	Special Provisions to Item 104S Removing Portland Cement Concrete
SP111S	Special Provisions to Item 111S Excavation
SP414S	Special Provisions to Item 414S P.C. Concrete Retaining Walls
SP435S	Special Provisions to Item 435S P.C. Concrete Steps
SP504S	Special Provisions to Item 504S Adjusting Structures
SP602S	Special Provisions to Item 602S Sodding for Erosion Control
SP605S	Special Provisions to Item 605S Soil Retention Blanket

<b>Document Number</b>	<b>Title</b>
SP610S	Special Provisions to Item 610s Preservation of Trees and Other Vegetation
SP700S	Special Provisions to Item 700S Mobilization
SP803S	Special Provisions to Item 803S Barricades, Signs and Traffic Handling
SP824S	Special Provisions to Item 824S Traffic Signs

**Special Specifications**

SS430S	12/01/05	P.C. Concrete Curb and Gutter
SS432S	12/01/05	P.C. Concrete Sidewalks and Ramps
SS433S	03/12/07	P.C. Concrete Driveways
SS472S	10/11/04	Pot Hole
SS604		Tree and Root Pruning
SS610S		Tree Protection and Trimming

**Standard Details**

406S-1	09/29/99	Reinforced Steel Tolerances
430S-1	09/29/99	Curb and Gutter Section
430S-3	09/29/99	Curb Expansion Joint Dowel Detail
430S-4	09/29/99	Concrete Backfill Under Curb and Gutter
430S-5	04/05/99	Reinforcing Bar Detail at Existing Curb and Gutter
432S-1	03/26/08	Sidewalk
432S-2A	06/21/07	Detectable Warning Paver (City Property/Easements)
432S-3	03/13/06	Type 1 Curb Ramps – Full Intersection
432S-3A	03/13/06	Type 1 Curb Ramps – "T" Intersection
432S-3B	03/13/06	Type 1A/1B Curb Ramps – Full Intersection
432S-3C	03/13/06	Type 1A/1B Curb Ramps – "T" Intersection
432S-3D	03/13/06	Combined Curb Ramps – Full Intersection
432S-3E	03/13/06	Combined Curb Ramps – "T" Intersection
432S-3F	03/13/06	Combined Sidewalk Curb Ramp with Pavers
432S-3G	06/21/07	Combined Sidewalk Curb Ramp with Pavers within Limited ROW Only
432S-3H	08/20/07	Type 1 Ramps Within PC/PT of Curb and Gutter
432S-5	09/14/05	Type 1 Sidewalk Curb Ramp
432S-5A	06/14/08	Type 1A Sidewalk Curb Ramp
432S-5B	09/14/05	Type 1B Sidewalk Curb Ramp
432S-10	02/21/01	Mailbox Placement Detail
433S-1	10/19/09	Type 1 Driveway (1&2 Family Residential Use Only)
433S-1A	10/19/09	Flared Type 1 Driveway (1&2 Family Residential Use Only)
433S-2	02/24/10	Type II Driveway
508S-3	12/09/08	Typical Details for Curb Inlet
508S-4	12/09/08	Curb Inlet 3m (10') Precast Type 1 or Type 1-R
628S	03/27/00	Triangular Sediment Filter Dike
628S-2	10/30/09	Filter Dike Curb Inlet Protection
707S-1	02/24/10	Pedestrian Handrail
707S-2	01/04/10	ADA Pedestrian Handrail
707S-3	01/04/10	Pedestrian Handrail on Curb
707S-4	01/04/10	Pedestrian Handrail on Sidewalk
802S-2	01/04/11	C.I.P. Movable Sign Type II
804S-1	01/04/11	Arterial One Lane Closure
804S-2	03/13/06	Collector Residential Street Flagging Operations
804S-4	04/03/09	Safety Fence
804S-5	01/04/10	Channelizing Devices

**VOL. 3** 10/09/00 **MBE/WBE Procurement Program Package**

**END**

**Bidding Requirements, Contract Forms and Conditions of the Contract**  
**UNIT PRICE BID FORM**  
Section 00300U

The undersigned, in compliance with the Invitation for Bids for construction of the following Project: ADA Sidewalk & Ramp Improvements Group 13 Citywide

(CIP ID# 5769.084) (IFB# CLMC349) for the City of Austin, Texas, having examined the Project Manual, Drawings and Addenda, the site of the proposed Work and being familiar with all of the conditions surrounding construction of the proposed Project, having conducted all inquiries, tests and investigations deemed necessary and proper; hereby proposes to furnish all labor, permits, material, machinery, tools, supplies and equipment, and incidentals, and to perform all Work required for construction of the Project in accordance with the Project Manual, Drawings and Addenda within the time indicated for the following prices of:

Note: The Bidder will enter the line item subtotal in the "Amount" column below, which is the product of the estimated "Quantity" multiplied by the "Unit Price". Any mathematical errors will be corrected for the purpose of determining the correct Amount to be entered in the Bid Form. The Amounts, including any corrected Amounts, will then be totaled to determine the actual amount of the Bid.

<b>Bid Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Item Description</b>	<b>Unit Price</b>	<b>Amount</b>
210S-A	100	CY	Flexible Base	\$ _____	\$ _____
315S-E	100	SY	Spot Milling	\$ _____	\$ _____
340S-A	100	TON	Hot Mix Asphaltic Concrete Pavement, 2 Inches, Type "D"	\$ _____	\$ _____
432S-PRC-1	100	LF	Pedestrian Railing (Standard 707S-1)	\$ _____	\$ _____
432S-PRC-2	50	LF	Pedestrian ADA Railing - Option 1 (Standard 707S-2)	\$ _____	\$ _____
432S-PRC-3	50	LF	Pedestrian ADA Railing - Option 2 (Standard 707S-3)	\$ _____	\$ _____
432S-PRC-4	50	LF	Pedestrian ADA Railing - Option 3 (Standard 707S-4)	\$ _____	\$ _____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
504S-1RM	50	EA	Repositioning & Adjusting Water Meters	\$ _____	\$ _____
504S-3G	50	EA	Adjusting Gas Valve Boxes to Grade	\$ _____	\$ _____
504S-4PB	50	EA	Adjusting Pull Boxes to Grade	\$ _____	\$ _____
508S-I10S	4	EA	Inlet, Standard - 10 Foot	\$ _____	\$ _____
604S-A	100	SY	Non-Native Seeding for Erosion Control Method B, Fiber Mulch	\$ _____	\$ _____
628S-D	100	EA	Inlet Filter Dike (Existing Inlet)	\$ _____	\$ _____
802S-BCIP	20	EA	C.I.P. Project Sign	\$ _____	\$ _____
803S-F	180000	LF	Safety Fencing	\$ _____	\$ _____
SP104 S-A	500	LF	Remove P.C. Concrete Curb & Gutter	\$ _____	\$ _____
SP104 S-C	77900	SF	Remove P.C. Concrete Sidewalks and Driveways	\$ _____	\$ _____
SP111 S-C	50	CY	Excavation (Above Finished Sidewalk Surface)	\$ _____	\$ _____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SP414 S-B	200	CY	Concrete Retaining Wall & Footing, Including reinforcement and excavation	\$ _____	\$ _____
SP504 S-MB	50	EA	Relocate or Remove and Replace Mailbox	\$ _____	\$ _____
SP602 S-ALL	20000	SY	Sodding, All Types	\$ _____	\$ _____
SP605 S	200	SY	Soil Retention Blanket Curlex, Type 1	\$ _____	\$ _____
SP610 S-PL	50	EA	Tree Protection (Planking per tree)	\$ _____	\$ _____
SP803 -A1L- D	50	DAY	Arterial One Lane Closure	\$ _____	\$ _____
SP803 -A1L- W	10	WEEK	Arterial One Lane Closure	\$ _____	\$ _____
SP803 -A1L- M	2	MONTH	Arterial One Lane Closure	\$ _____	\$ _____
SP803 - OA2L- D	50	DAY	One Way, Arterial Two-Lane Closure	\$ _____	\$ _____
SP803 - OA2L- W	10	WEEK	One Way, Arterial Two-Lane Closure	\$ _____	\$ _____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SP803 - OA2L- M	2	MONTH	One Way, Arterial Two-Lane Closure	\$ _____	\$ _____
SP803 - TDA1L -D	50	DAY	Two Way, Divided Arterial One Lane Closure	\$ _____	\$ _____
SP803 - TDA1L -W	20	WEEK	Two Way, Divided Arterial One Lane Closure	\$ _____	\$ _____
SP803 - TDA1L -M	2	MONTH	Two Way, Divided Arterial One Lane Closure	\$ _____	\$ _____
SP803 - CRLC- D	50	DAY	Collector/Residential Lane Closure	\$ _____	\$ _____
SP803 - CRLC- W	10	WEEK	Collector/Residential Lane Closure	\$ _____	\$ _____
SP803 - CRLC- M	2	MONTH	Collector/Residential Lane Closure	\$ _____	\$ _____
SP803 -WSC- D	50	DAY	Bypass Walkway, Sidewalk and Crosswalk Closures	\$ _____	\$ _____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SP803 -WSC- W	10	WEEK	Bypass Walkway, Sidewalk and Crosswalk Closures	\$ _____	\$ _____
SP803 -WSC- M	2	MONTH	Bypass Walkway, Sidewalk and Crosswalk Closures	\$ _____	\$ _____
SP827 S	50	EA	Traffic Signs, Replace or Relocate	\$ _____	\$ _____
SS430 S-BL	2000	LF	P.C. Concrete Curb & Gutter (Fine Grading), low expansive soil conditions	\$ _____	\$ _____
SS430 S-BM	2000	LF	P.C. Concrete Curb & Gutter (Fine Grading), moderate to high expansive soil conditions	\$ _____	\$ _____
SS432 S-4L	95000	SF	New P.C. Concrete Sidewalk, 4 inch thickness, low expansive soil conditions	\$ _____	\$ _____
SS432 S- 4LSQ	15000	SF	New P.C. Concrete Sidewalk, 4 inch thickness, low expansive soil conditions (Quantity less than 500 SF)	\$ _____	\$ _____
SS432 S-5.5- M	85000	SF	New P.C. Concrete Sidewalk, 5.5 inch thickness, moderate to high expansive soil conditions	\$ _____	\$ _____
SS432 S-5.5- MSQ	15000	SF	New P.C. Concrete Sidewalk, 5.5 inch thickness, moderate to high expansive soil conditions (Quantity less than 500 SF)	\$ _____	\$ _____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SS432 S-5- RPL	300	EA	P.C. Sidewalk Curb Ramp with Pavers (Type 1), low expansive soil conditions	\$ _____	\$ _____
SS432 S-5.5- RPM	300	EA	P.C. Sidewalk Curb Ramp with Pavers (Type 1), moderate to high expansive soil conditions	\$ _____	\$ _____
SS432 S-5A- RPL	300	EA	P.C. Sidewalk Curb Ramp with Pavers (Type 1A), low expansive soil conditions	\$ _____	\$ _____
SS432 S- 5.5A- RPM	300	EA	P.C. Sidewalk Curb Ramp with Pavers (Type 1A), moderate to high expansive soil conditions	\$ _____	\$ _____
SS432 S-5B- RPL	300	EA	P.C. Sidewalk Curb Ramp with Pavers (Type 1B), low expansive soil conditions	\$ _____	\$ _____
SS432 S- 5.5B- RPM	300	EA	P.C. Sidewalk Curb Ramp with Pavers (Type 1B), moderate to high expansive soil conditions	\$ _____	\$ _____
SS432 SR-4L	88200	SF	Reconstruct Concrete Sidewalks to 4 Inch thickness, including removal of existing sidewalk	\$ _____	\$ _____
SS432 SR- 5.5M	25000	SF	Reconstruct Concrete Sidewalks to 5.5 Inch thickness, including removal of existing sidewalk	\$ _____	\$ _____
SS433 S-BL	25000	SF	Flared Type I P.C. Concrete Driveway, low expansive soil conditions	\$ _____	\$ _____

Bid Item	Quantity	Unit	Item Description	Unit Price	Amount
SS433 S-CL	15000	SF	Type II P.C. Concrete Driveway, low expansive soil conditions	\$ _____	\$ _____
SS433 S-CM	25000	SF	Type II P.C. Concrete Driveway, moderate to high expansive soil conditions	\$ _____	\$ _____
SS433 S-HES	65000	SF	High Early Strength Concrete Driveways (supplement to SS433S-BL, -CL, -CM per SF cost)	\$ _____	\$ _____
SS433 S- HALF	300	EA	Constructing Driveways One Half at a time (Supplement payment per driveway)	\$ _____	\$ _____
SS472 S-1	200	EA	Pothole, 0 ft – 2 ft deep	\$ _____	\$ _____

**TOTAL BID:** ..... \$ \_\_\_\_\_

Optional Information on Bid Prices Submitted by Computer Printout

In lieu of handwritten unit prices in figures in ink on the Bid forms above, Bidders, at their option, may submit an original computer printout sheet bearing certification by, and signature for, the Bidding firm. The unit prices shown on acceptable printouts will be the unit prices used to tabulate the Bid and used in the Contract if awarded by the City. As a minimum, computer printouts must contain all information and in the format shown on the attached page: "Example of Bid Prices Submitted by Computer Printout" form.

If a computer printout is used, the Bidder must still execute that portion of the unit price Bid form which acknowledges the Bid Guaranty, Time of Completion, Liquidated Damages, and all addenda that may have been issued.

Bids with unit prices by computer printout may be rejected, if:

1. The computer printout does not include the required certification, set forth in the attached "Example".
2. The computer printout is not signed in the name of the firm to whom the Project Manual was issued.

3. The computer printout is non-responsive or otherwise omits required Bid items or includes items not shown on the Bid forms in the Project Manual.
4. The other required Bid documents issued by the City are not fully executed as provided above.
5. The signed Section 00300U is not returned with the signed computer printout.

If the Bid submitted by the Bidder contains both the form furnished by the City, completed according to the instructions, and also a computer printout, completed according to the instructions, unit prices of only one will be considered. In this situation, the unit Bid prices shown on the computer printout will be used to determine the Bid.

**BID GUARANTY:** A Bid guaranty must be enclosed with this Bid, as required in Section 00020 or Section 00020S, in the amount of not less than five percent (5%) of the total Bid. Following the Bid opening, submitted Bids may not be withdrawn for a period of one hundred twenty (120) Calendar Days. Award of Contract will occur within this period, unless mutually agreed between the parties. The Bid guaranty may become the property of the OWNER, or the OWNER may pursue any other action allowed by law, if:

- Bidder withdraws a submitted Bid within the period stated above;
- Bidder fails to submit the required post Bid information within the period specified in Section 00020S or 00100, or any mutually agreed extension of that period;
- or Bidder fails to execute the Contract and furnish the prescribed documentation (bonds, insurance, etc.) needed to complete execution of the Contract within five (5) calendar days after notice of award, or any mutually agreed extension of that period.

**TIME OF COMPLETION:** The undersigned Bidder agrees to commence work on the date specified in the written "Notice to Proceed" to be issued by the OWNER and to **finally** complete construction of the improvements, as required by the Project Manual, Drawings and Addenda for the Work within duration established by the OWNER for each assignment. The OWNER will consult with the CONTRACTOR on each assignment duration, but OWNER will have ultimate discretion on duration which shall not be unreasonably stipulated. The Bidder further agrees that should the Bidder fail to **finally** complete the Work within the number of days indicated in the work assignment or as subsequently adjusted, Bidder shall pay the liquidated damages for each consecutive day thereafter as provided below; unless the OWNER elects to pursue any other action allowed by law. Total contract period shall be 365 calendar days.

**WAIVER OF ATTORNEY FEES:** In submitting its bid, in consideration for the waiver of its right to attorney's fees by the OWNER, the Bidder knowingly and intentionally agrees to and shall waive the right to attorney's fees under Section 271.153 of the Texas Local Government Code in any administrative proceeding, alternative dispute resolution proceeding, or litigation arising out of or connected to any Contract awarded pursuant to this solicitation process.

**LIQUIDATED DAMAGES:** The Bidder understands and agrees that the timely completion of the described Work is of the essence. The Bidder and OWNER further agree that the OWNER's actual damages for delay caused by failure to timely complete the Project are difficult, if not impossible to measure. However, with respect to the additional administrative and consultant costs to be incurred by OWNER, the reasonable estimate of such damages has been calculated and agreed to by OWNER and Bidder. Therefore, the Bidder and the OWNER agree that for each and every **Calendar Day** the Work or any portion thereof, remains incomplete after the **Final Completion** date as established by the above paragraph, "Time of Completion", payment will be due to the Owner in the amount of One Hundred Fifty dollars (\$150.00) per working assignment per Calendar Day as liquidated damages, not as a penalty, but for delay damages to the OWNER. Such amount shall be deducted by the OWNER from any Contract payment due. In the event of a default or breach by the CONTRACTOR and demand is made upon the surety to complete the

project, in accordance with the Contract Documents, the surety shall be liable for liquidated damages pursuant to the Contract Documents in the same manner as the CONTRACTOR would have been.

OWNER reserves the right to reject any or all Bids and to waive any minor informality in any Bid or solicitation procedure (a minor informality is one that does not affect the competitiveness of the Bids).

The undersigned acknowledges receipt of the following addenda:

- Addendum No. 1 dated \_\_\_\_\_ Received \_\_\_\_\_
- Addendum No. 2 dated \_\_\_\_\_ Received \_\_\_\_\_
- Addendum No. 3 dated \_\_\_\_\_ Received \_\_\_\_\_
- Addendum No. 4 dated \_\_\_\_\_ Received \_\_\_\_\_
- Addendum No. 5 dated \_\_\_\_\_ Received \_\_\_\_\_

\_\_\_\_\_  
Secretary, \*if Bidder is a Corporation

\_\_\_\_\_  
Bidder

(Seal)

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Address

\_\_\_\_\_  
Telephone Number / FAX Number

\_\_\_\_\_  
Email Address for Person Signing Bid

\_\_\_\_\_  
Email Address for Bidder's Primary Contact Person

\* Copy of Corporate Resolution and minutes with certificate of officer of Bidder as to authority of signatory to bind Bidder is to be signed and dated no earlier than one week before Bid date, and attached to this document.

EXAMPLE: BID PRICES SUBMITTED BY COMPUTER PRINTOUT

<b>Project Name:</b>
<b>CIP ID #:</b>
<b>IFB #:</b>

Bid Item #	Bid Item Description	Unit	Qty	Unit Bid Price	Total Amount
<b>Total Bid:</b>					

(YOUR FIRM'S NAME) certifies that the unit prices shown on this completed computer printout for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its Bid will be tabulated using these unit prices and no other information from this printout. (YOUR FIRM'S NAME) acknowledges and agrees that the total bid amount shown will be read as its total bid. In the event of a mathematical error, the correct product, determined by using the "Unit Price" and "Quantity", and the correct sum, determined by totaling the correct line item Amounts, will prevail over the amount entered by the Bidder.

Signed: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**End**

**Bidding Requirements, Contract Forms Conditions of the Contract**  
**WAGE RATES AND PAYROLL REPORTING**  
Section 00830BC

**PREVAILING WAGE RATE DETERMINATION**

**BUILDING CONSTRUCTION TYPE**

COUNTY NAME : TRAVIS

Wages based on DOL General Decision: TX120017 04/20/2012 TX17

CLASSIFICATION	RATE	FRINGES	TOTAL WAGE
Bricklayer (Excluding Caulking & Waterproofing)	\$ 13.25	\$ -	\$ 13.25
Caulkers	\$ 13.05	\$ -	\$ 13.05
Carpenter *	\$ 19.65	\$ 5.97	\$ 25.62
Carpenter (Formbuilding Only)	\$ 13.20	\$ -	\$ 13.20
Cement Mason/Concrete Finisher	\$ 10.22	\$ -	\$ 10.22
Electrician **	\$ 26.18	\$ 6.66	\$ 32.84
Elevator Mechanic*** (< 5 yrs experience)	\$ 38.22	\$ 23.535	\$ 61.76
Elevator Mechanic*** (> 5 years experience)	\$ 38.94	\$ 23.535	\$ 62.48
Floor Layer: Carpet (Soft) Floor	\$ 10.00	\$ -	\$ 10.00
Glaziers	\$ 18.37	\$ 6.33	\$ 24.70
HVAC Mechanic (Excluding Duct or Pipe Work)	\$ 11.83	\$ 1.14	\$ 12.97
Iron Workers - Structural (Excluding Metal Bldg. Erection)	\$ 19.55	\$ 4.90	\$ 24.45
Iron Worker - Reinforcing	\$ 10.00	\$ -	\$ 10.00
Laborer (Common)	\$ 7.57	\$ -	\$ 7.57
Laborer (Brick Tender)	\$ 8.00	\$ -	\$ 8.00
*Lead Paint & Asbestos Abatement	\$ 12.17	\$ -	\$ 12.17
Millwright	\$ 23.13	\$ 6.55	\$ 29.68
Painter - Brush	\$ 10.06	\$ 0.31	\$ 10.37
Painter - Drywall Finishing	\$ 9.00	\$ -	\$ 9.00
Painter - Spray	\$ 9.70	\$ 0.19	\$ 9.89
Pipefitter (Including HVAC Work)	\$ 25.50	\$ 9.91	\$ 35.41
Plumber (Excluding HVAC Work)	\$ 25.50	\$ 9.91	\$ 35.41
Power Equipment Operator - Backhoe	\$ 11.11	\$ 1.92	\$ 13.03
Power Equipment Operator - Crane	\$ 12.50	\$ 2.03	\$ 14.53
Power Equipment Operator - Front End Loader	\$ 11.33	\$ -	\$ 11.33
*Roofer	\$ 13.80	\$ -	\$ 13.80
*Roofer - Metal	\$ 14.05	\$ -	\$ 14.05
Sheet Metal Worker (Including HVAC Duct Work)	\$ 24.30	\$ 10.18	\$ 34.48
Sprinkler Fitter	\$ 14.00	\$ -	\$ 14.00
Tile Setter	\$ 13.00	\$ 1.55	\$ 14.55
Tile Setter - Finisher	\$ 10.00	\$ -	\$ 10.00
Truck Driver (Lowboy)	\$ 8.00	\$ -	\$ 8.00
Waterproofor	\$ 12.13	\$ -	\$ 12.13

<http://www.wdol.gov/wdol/scafiles/davisbacon/tx.html>

\* See Page 2 for Additional Wage Information

Note: \*Lead Paint & Asbestos Abatement and Roofer Classifications have been added to this Prevailing Wage

Rate Determination pursuant to a City of Austin Prevailing Wage Survey (trades absent from DOL).

The Wage Compliance information detailed below was excerpted from General Decision TX070018 or other DOL sources.

**1. Additional Trade information:**

- Carpenters\* (including acoustical installation and drywall framing/hanging, including metal studs ).
- Electricians\*\* - Including low voltage wiring for computers, fire/smoke alarms and telephones.
- Elevator Mechanics\*\*\* - also must be paid for 7 holidays - New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day.
- Welders - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added upon the advance approval of City of Austin Contract Administration. CONTRACTOR shall submit to City of Austin Contract Administration for review the classification, a bona fide definition of work to be performed and a proposed wage with sample payrolls conforming to area practice prior to the start of the job for that type of work.

**2. Wages**

The Total Wage may be met by any combination of cash wages and credible "bona fide" fringe benefits by the employer. For overtime, the basic hourly rate listed in the contract wage determination must be used in computing pay obligations.

**3. Crediting fringe benefit contributions to meet DBA/DBRA and City of Austin requirements:**

The Davis-Bacon Act (and 29 CFR 5.23), list fringe benefits to be considered. Examples are:

- > Life Insurance
- > Health Insurance
- > Pension
- > Vacation
- > Holidays
- > Sick Leave

Note: The use of a truck is not a fringe benefit; a Thanksgiving turkey or Christmas bonus is not a fringe benefit. No credit may be taken for any benefit required by federal, state, or local law such as: workers compensation, unemployment compensation; or social security contributions.

Contributions to fringe benefit plans must be made regularly, e.g. daily, weekly, etc. They must be more frequent than quarterly. (see 29 CFR 5.5 (a)(1)(i)) A periodic bonus may not be counted as a fringe benefit.

**4. Annualization of Benefit Costs**

If a firm provides an electrician with \$200 per month medical insurance, to calculate allowable fringe benefit credit contributions per hour, the formula ( [\$200 x 12 months] divided by 2080 hours = \$1.15 per hour ) should be used.

**5. Proper Designation of Trade**

A work classification on the wage decision for each worker must be made based on the actual type of work he/she performed and each worker must be paid no less than the wage rate on the wage decision for that classification **regardless** of his or her level of skill.

**6. Split Classification**

If a firm has employees that perform work in more than one classification, it can pay the wage rates specified for each classification ONLY if it maintains accurate time records showing the amount of time spent in each classification. If accurate time records are not maintained, these employees must be paid the highest wage rate of all the classifications of work performed by each worker. Accurate time records tracking how many hours a worker performed the work of one trade and then switched to another trade must be accounted for on a daily basis and reflected on Employer Certified Payroll accordingly.

-----  
WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====  
Unlisted classifications needed for work not included within the scope of the classifications listed may be added after

award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

-----  
in the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.  
-----

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

**Item No. 432S**  
**Portland Cement Concrete Sidewalks**

**432S.1 Description**

This item shall govern the construction of Portland cement concrete sidewalks (Standard Detail No. 432S-1), as herein specified, on an approved subgrade and in conformance with the lines, grades and details indicated on the Drawings or as established by the Engineer or designated representative.

This specification is applicable for projects or work involving either inch-pound or SI units. Within the text inch-pound units are given preference followed by SI units shown within parentheses.

**432S.2 Submittals**

The submittal requirements of this specification item include:

- A. Class A portland cement (p.c). concrete mix design,
- B. Type of Installation (i.e. Type I, Type II, etc.) and construction details (i.e. cushion layer, base, reinforcing steel, joints, curing membrane),
- C. Identification of the type, source, mixture, Pure Live Seed (PLS) and rate of application of the seeding.
- D. Number, manufacturer, model, construction, finish and installation details of streetscape appurtenances of bicycle racks, benches, chairs, trash receptacles, streetlights, tree wells and above grade tree planters [for sidewalks, 12 feet (3.66 meters) or wider].

**432S.3 Materials**

- A. Portland Cement Concrete  
Portland cement concrete shall be Class A conforming to Specification Item No. 403S, "Concrete for Structures" or Specification Item No. 407S, "Fibrous Concrete".
- B. Reinforcement  
Reinforcement shall conform to Specification Item No. 406S, "Reinforcing Steel" or Specification Item No. 407S, "Fibrous Concrete".
- C. Expansion Joint Materials  
Expansion joint materials shall conform to Specification Item No. 408S, "Expansion Joint Materials".
- D. Membrane Curing Compound  
Membrane curing compound shall conform to Specification Item No. 409S, "Membrane Curing".

**432S.4 Construction Methods**

The subgrade shall be excavated in accordance with Specification Item No. 111S, "Excavation", prepared in accordance with Specification Item No. 201S, "Subgrade Preparation", shaped to the lines, grades and cross section as indicated on the Drawings or as directed by the Engineer or designated representative and thoroughly compacted in accordance with Specification Item No. 201S. A granular cushion of a minimum thickness of 2 inches (50 mm) but maximum thickness of 5 inches (125 mm), composed of crusher screenings, gravel and sand, crushed rock or coarse sand,

shall be spread, wetted thoroughly, tamped and leveled. The granular cushion shall be moist at the time the Portland cement concrete is placed.

If the subgrade is undercut by more than 4 inches (100 mm) or the elevation of the natural ground is more than 4 inches (100 mm) below "top of subgrade", then a necessary backfill/embankment layer of an approved material shall be placed and compacted with a mechanical tamper. Hand tamping will not be permitted.

Where the subgrade is rock or gravel, 70 percent of which is rock; the 2-inch (50 mm) cushion need not be used. The Engineer or designated representative will determine if the subgrade meets the above requirements.

Sidewalk forms shall be constructed of metal or well-seasoned wood not less than 2 inches (50 mm) in thickness, with a section satisfactory to the Engineer or designated representative. The forms shall be clean, straight, and free from warp with a depth equal to the thickness of the finished work. All forms shall be securely staked to line and grade and maintained in a true position during the deposition of Portland cement concrete. Before p.c. concrete is placed, the forms shall be thoroughly oiled with a light form oil.

Expansion joint material 3/4 inch (19 mm) thick, shall be provided where the new construction abuts an existing structure, sidewalk or driveway. Similar expansion material shall be placed around all obstructions protruding through the sidewalk. The expansion joint material shall be placed vertically and shall extend the full depth of the p.c. concrete. Maximum spacing of expansion joints shall be 40 feet (12 meters) as indicated on the Drawings or as directed by the Engineer or designated representative. Weakened plane joints shall be spaced at 5 feet (1.5 meters) on center. Normal dimensions of the weakened plane joints shall be 1/4 inch wide and 3/4 inch deep (6 mm wide and 19 mm deep). All joints shall be constructed perpendicular (90 degrees) to the centerline of walk and shall match any previously placed concrete joints. For sidewalks with widths exceeding 6 feet (1.83 meters) longitudinal weakened-plane tooled joints shall be provided as indicated on the Drawings or as directed by the Engineer or designated representative.

Reinforcement for sidewalks shall consist either of polypropylene fibrillated fibers or 6" x 6" x W1.4 x W1.4 (150mm x 150mm x MW9 x MW9) welded wire fabric or one layer #3 (10M) reinforcing bars, placed no more than 18 inches (450 mm) on center both directions. All reinforcement shall be accurately placed at slab mid-depth, equidistant from the top and bottom of the p.c. concrete and held firmly in place by means of bar supports of adequate strength and number that will prevent displacement and keep the steel at its proper position during the placement of the p.c. concrete. In no instance shall the steel be placed directly on the subgrade or sand cushion layer.

Prior to placement of the concrete, the reinforcement installation shall be inspected by the Engineer or designated representative to insure conformance with the drawings, specifications and this item. In addition care shall be exercised to keep all steel in its proper position during placement of the p.c. concrete. If during placement of the concrete, the reinforcement is observed to loose bar support, float upward or move in any direction, the placement shall be stopped until corrective action is taken.

Splices in wire fabric shall overlap sufficiently to allow two pairs of transverse wires to be tied together and no splice of less than 6 inches (150 mm) will be permitted. Splices in the #3 (10M) bars shall have a minimum lap of 12 inches (300 mm).

Where driveways cross sidewalks, additional reinforcing shall be placed in the sidewalk as indicated on the Drawings.

Portland cement concrete shall be placed in the forms and spaded, tamped and thoroughly consolidated until it covers the entire surface with a monolithic finish. The top surface shall be floated and troweled to a uniform smooth surface; then finished with a broom or wood float to a gritty texture unless indicated otherwise on the Drawings or as directed by the Engineer or

designated representative. The outer edges and joints shall be rounded with approved tools to a 1/4-inch (6 mm) radius. Care will be exercised to prevent loss of dummy joints or rounded edges when applying the brush finish.

Portland cement concrete sidewalk ramps shall be formed to produce a finished surface with detectable warnings (Standard Detail 432S-2A) in accordance with the requirements of the American Disabilities Act and Texas Accessibility Standards (TAS), including Sections 4.29.2 and A4.29.2. The p.c. concrete sidewalk ramps shall be constructed in accordance with appropriate City of Austin Standard Details (Standard Details 432S-3, 432S-3A through 432S-3H, 432S-5, 432S-5A, 432S-5B, etc.).

Detectable warning for the ramps shall consist of raised truncated domes with a diameter of nominal 0.9 inch (23 mm), a height of nominal 0.2 inch (5 mm) and center-to-center spacing of nominal 2.35 inches (60 mm) and shall contrast visually with adjoining surfaces, either light on dark or dark-on-light. The material used to provide contrast shall be an integral part of the walking surface.

When indicated on the Drawings or as directed by the Engineer or designated representative, the construction of the sidewalk ramp shall include the installation of interlocking concrete paving units (Standard Specification Item No. 480S, "Concrete Paving Units"). The concrete paving units shall be constructed in accordance with Standard Specification Item No. 485S, "Concrete Paving Units for Sidewalk Ramps) and appropriate City of Austin Standard Details (Standard Details 432S-2A, 432S-3, 432S-3A through 432S-3H, 432S-5, 432S-5A and 432S-5B).

At the proper time after finishing, the surface shall be protected by a membrane, compound curing agent or by wetted cotton or burlap mats, conforming to Item No. 409S, "Membrane Curing". The sides of the p.c. concrete shall be cured in the forms. If the forms are removed during the curing process, the curing shall be continued by the placement of fill against the exposed concrete edges or by other procedures conforming to Item No. 410S, "Concrete Structures". The top 4 inches (100 mm) of fill shall be clean topsoil conforming to Item No. 604S, "Seeding for Erosion Control".

Existing sidewalk that is scheduled for removal and replacement shall be removed and the underlying material shaped to the lines, grades and cross section as indicated in the drawings or as directed by the Engineer or designated representative. The removal and/or relocation of obstructions, including but not limited to signs, trash cans and benches on concrete pads, abandoned manholes, sprinkler control valves and landscaping, shall be performed, as indicated on the drawings, in a manner acceptable to the Engineer or designated representative. Removal and/or relocation of obstructions will be considered incidental work to this item and will not be paid for directly.

Existing PVC pipe drains in and behind curb shall be removed and replaced as required in new sidewalk and/or curb and gutter. In areas of proposed sidewalk construction, where curb and gutter is to remain in place, existing PVC pipe shall be cut far enough behind the back of curb to allow sufficient room for joint fittings to connect to new or salvaged PVC pipe.

The Contractor shall be responsible for removing and replacing mailboxes that are located in the construction area, while assuring that mail delivery will not be interrupted as a result of the construction activities. Mailboxes shall not be laid on the ground.

All necessary excavation, filling and grading of the slopes adjacent to the completed concrete sidewalks will be considered incidental work pertaining to this item and will not be paid for directly. The adjacent excavation and grading of the slopes shall be done in a manner acceptable to the Engineer or designated representative.

#### **432S.5 Streetscape Furniture Installation Requirements**

## A. General General

Bicycle racks, benches and chairs, trash receptacles, tree wells and above grade tree wells and planters shall only be installed in sidewalks that are 12 feet (3.66 meters) or wider. When installation is indicated on the Drawings or directed by the Engineer or designated representative, these items shall be permanently installed as indicated in Standard Details 710S-4 and 710S-5; 432S-9B; 432S-7C, and 432S-7F; and 432S-8B. Above grade tree wells shall be installed in conformance with Standard Detail 432S-7E, while above grade tree planters shall be installed in conformance with Standard Detail Nos. 432S-7D and 432S-7G.

## B. Location Requirements

### 1. Benches.

Benches shall be placed either perpendicular to the curb with the center of the bench on line with trees and light poles and facing toward the building entry, or parallel to the building and within 6" (150 mm) of the building wall, facing out to the street.

Bench siting shall be in conformance with Standard Detail No. 432S-9C in 12' (3.6 M) or wider sidewalks and Standard Detail No. 432S-9D in sidewalks of width between 12' (3.6 M) and 18' (5.4 M).

### 2. Bike Racks.

Bike racks are to be placed perpendicular to the curb with the centerline of the rack on line with trees and light poles.

Bike rack siting shall be in conformance with Standard Detail No. 710S-6A in 12' (3.6 M) or wider sidewalks and Standard Detail No. 710S-6B in sidewalks of width between 12' (3.6 M) and 18' (5.4 M).

### 3. Trash Receptacles.

Trash receptacles shall either be placed along the curb, with the center line of the receptacle on line with the trees and light poles, or shall be located at the building entry in alignment with the structural bay system of the building. If located at the entry there shall be no more than 1 foot (300 mm) clearance between the receptacle and the building wall.

Trash receptacle siting adjacent to curb ramps within an intersection shall be in conformance with Standard Detail No. 432S-8C in 12' (3.6 M) or wider sidewalks.

## **P432S.6 Pedestrian Railing**

When a pedestrian railing installation is required along sidewalks for pedestrian protection as indicated on the Drawings or directed by the Engineer or designated representative, this type of pedestrian railing shall be permanently installed in conformance with one of the following designated Standard Details: 707S-1, 707S-2, 707S-3 or 707S-4.

When a pedestrian railing installation is required along portions of sidewalks identified as 'ramps' for ADA accessibility purposes as indicated on the Drawings or directed by the Engineer or designated representative, this type of pedestrian railing shall be permanently installed in conformance with one of the following designated Standard Details: 707S-2, 707S-3 or 707S-4.

## **432S.7 Measurement**

Accepted work performed as prescribed by this item will be measured by the square foot (square meter: 1 square meter is equal to 10.764 square feet) of surface area of "Concrete Sidewalk".

Accepted work performed as prescribed by "Sidewalk Ramps" will be measured per each for the type of ramp indicated on the Drawings.

Accepted work performed as prescribed by "Streetscape Appurtenances" will be measured per each for the type of appurtenance indicated on the Drawings.

Accepted work performed as prescribed by "Pedestrian Railing" will be measured per lineal foot of the type of railing indicated on the Drawings.

#### **432S.8 Payment**

The work performed as prescribed by this item for concrete sidewalk will be paid for at the unit bid price per square foot for "Concrete Sidewalk" and/or "Sidewalks Reconstruction"; per each for "Concrete Sidewalk Ramps" and "Streetscape Appurtenances" or per lineal foot for "Pedestrian Railing".

The unit bid price for new sidewalk shall include full compensation for excavating and/or removal and/or relocating obstructions, vegetating adjacent areas disturbed by sidewalk construction, preparing the subgrade; for furnishing and placing all materials including cushion material, all reinforcement, bar supports, joints, expansion joint materials, and for any other materials, manipulations, labor, tools, equipment, finishing, curing and incidentals necessary to complete the work.

The unit bid price for sidewalk reconstruction shall include full compensation for excavating and/or removal of existing sidewalk and other obstructions, relocating obstructions, replacing PVC drain pipe, re-vegetating adjacent areas disturbed by sidewalk construction, preparing the subgrade; for furnishing and placing all materials including cushion material, all reinforcement, bar supports, joints, expansion joint materials, and for any other materials, manipulations, labor, tools, equipment, finishing, curing and incidentals necessary to complete the work.

The unit bid price for ramps shall include full compensation for preparing the subgrade when not included as a separate item; for furnishing and placing all materials, manipulation, labor, tools, equipment and incidentals necessary to complete the work. All necessary excavation, filling and grading of the slopes adjacent to the completed concrete paver units will be included in the unit price bid for the item of construction in which this item is used, unless included as a separate pay item in the Contract bid form.

The unit bid price for streetscape appurtenances shall include full compensation for the individual item (i.e. bench, chair, bicycle rack, trash receptacle, street light or above grade tree planter), as well as the removal of existing sidewalk, preparation of footings, furnishing and placing all materials, manipulation and finishing, labor, tools, equipment and incidentals necessary to complete the work.

The unit bid price for pedestrian railing shall include full compensation for the complete installation of the specific pedestrian railing including but not limited to preparation of footings or curb, furnishing and placing all materials, manipulation and finishing, labor, tools, equipment and incidentals necessary to complete the work.

Payment will be made under one of the following:

**New Sidewalks**

- Pay Item 432S-4: New P.C. Concrete Sidewalks, 4 Inch thickness Per Square Foot.
- Pay Item 432S-5: New P.C. Concrete Sidewalks, 5 Inch thickness Per Square Foot.
- Pay Item 432S-6: New P.C. Concrete Sidewalks, 6 Inch thickness Per Square Foot.
- Pay Item 432S-7: New P.C. Concrete Sidewalks, 7 Inch thickness Per Square Foot.

**Sidewalks Reconstruction**

- Pay Item 432SR-4: Reconstruct Concrete Sidewalks to 4 Inch thickness, including removal of existing sidewalk Per Square Foot.
- Pay Item 432SR-5: Reconstruct Concrete Sidewalks to 5 Inch thickness, including removal of existing sidewalk Per Square Foot.
- Pay Item 432SR-6: Reconstruct Concrete Sidewalks to 6 Inch thickness, including removal of existing sidewalk Per Square Foot.
- Pay Item 432SR-7: Reconstruct Concrete Sidewalks to 7 Inch thickness, including removal of existing sidewalk Per Square Foot.

**Ramps**

- Pay Item 432S - RP-1: P.C. Sidewalk Curb Ramp with Pavers (Type I) Per Each.
- Pay Item 432S-RP-1A: P.C. Sidewalk Curb Ramp with Pavers (Type IA) Per Each.
- Pay Item 432S-RP-1B: P.C. Sidewalk Curb Ramp with Pavers (Type IB) Per Each.

**Streetscape Appurtenances**

- Pay Item 432S-SAC-1 Streetscape Bench (\_\_\_\_ inches in length) Per Each.
- Pay Item 432S-SAC-2 Streetscape Chair Per Each.
- Pay Item 432S-SAC-3 Streetscape Bicycle Rack Per Each.
- Pay Item 432S-SAC-4 Streetscape Trash Receptacle Per Each.
- Pay Item 432S-SAC-5 Streetscape Street Light Per Each.
- Pay Item 432S-SAC-7C Streetscape Tree Well for Concrete Sidewalks Per Each.
- Pay Item 432S-SAC-7D Streetscape Above Grade Tree Planters with Bench Per Each.
- Pay Item 432S-SAC-7E Streetscape Above Grade Tree Well with Seat Per Each.
- Pay Item 432S-SAC-7F Streetscape Tree Well without Grate Per Each.
- Pay Item 432S-SAC-7G Streetscape Above Grade Galvanized Steel Tree Planters Per Each

**Pedestrian Railing**

- Pay Item 432S-PRC-1 Pedestrian Railing (Standard 707S-1) Per LF.
- Pay Item 432S-PRC-2 Pedestrian ADA Railing – Option 1 (Standard 707S-2) Per LF.
- Pay Item 432S-PRC-3 Pedestrian ADA Railing – Option 2 (Standard 707S-3) Per LF.
- Pay Item 432S-PRC-4 Pedestrian ADA Railing – Option 3 (Standard 707S-4) Per LF.

End

<b><u>SPECIFIC CROSS REFERENCE MATERIALS</u></b>
Specification 432S, "P. C. Concrete Sidewalks"

City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 111S	Excavation
Item No. 201S	Subgrade Preparation
Item No. 403S	Concrete for Structures
Item No. 406S	Reinforcing Steel
Item No. 407S	Fibrous Concrete
Item No. 408S	Expansion Joint Materials
Item No. 409S	Membrane Curing
Item No. 410S	Concrete Structures
Item No. 480S	Concrete Paving Unit
Item No. 485S	Concrete Paving Units for Sidewalk Ramps
Item No. 604S	Seeding for Erosion Control

City of Austin Standard Details

<u>Designation</u>	<u>Description</u>
432S-1	Sidewalk
432S-2A	Detectable Warning-Paver
432S-3	Type I Curb Ramps-Full Intersection
432S-3A	Type I Curb Ramps-T Intersection
432S-3B	Type IA/IB Curb Ramps-Full Intersection
432S-3C	Type IA/IB Curb Ramps-T Intersection
432S-3D	Combined Curb Ramps-Full Intersection
432S-3E	Combined Curb Ramps-T Intersection
432S-3F	Combined Sidewalk Curb Ramp with Pavers
432S-3G	Combined Sidewalk Curb Ramp with Pavers within Limited ROW
432S-3H	Type I Curb Ramps within PC/PT of Curb and Gutter
432S-5	Type I Sidewalk Curb Ramp
432S-5A	Type IA Sidewalk Curb Ramp
432S-7C	Tree Well for New Trees Planted Within Concrete Sidewalk 3.6 M (12') or Greater
432S-7D	Above Grade Tree Planters
432S-7E	Above Grade Tree Well with Bench
432S-7F	Tree Well Without Grate
432S-7G	Above Grade Galvanized Steel Tree Planters
432S-8B	Trash Receptacle Installation in Concrete Sidewalk
432A-8C	Furnishing Location in 12' (3.6 M) or greater Trash Receptacle Siting
432S-9B	Bench/Chair Installation in Sidewalks
432S-9C	Furnishing Location in 12' (3.6 M) or greater Sidewalks-Bench Siting
432S-9D	Furnishing Location in Greater than 12' (3.6 M) or Less than 18' (5.4 M) Sidewalks-Bench Siting
707S-1	Pedestrian Railing
707S-2	Pedestrian ADA Railing – Option 1
707S-3	Pedestrian ADA Railing – Option 2
707S-4	Pedestrian ADA Railing – Option 3
710S-4	Bicycle Rack Installation in Concrete Sidewalks (Alternate 1)
710S-5	Bicycle Rack Installation in Concrete Sidewalks (Alternate 2)

- 710S-6A Furnishing Location in 12' (3.6 M) or greater Sidewalks-Bicycle Rack Siting
- 710S-6B Furnishing Location in Greater than 12' (3.6 M) or Less than 18' (5.4 M) Sidewalks-Bicycle Rack Siting

American Disabilities Act, Federal Register; Volume 56, No. 144; July 26, 1991  
ADA Accessibility Guidelines For Building And Facilities

<u>Designation</u>	<u>Description</u>
Section 4.29	Detectable Warnings on Walking Surfaces
Section A4.29.2	Detectable Warnings on Walking Surfaces

Architectural Barriers; Texas Civil Statutes, Article 9102; June 14, 1995  
Texas Accessibility Standards (TAS)

<u>Designation</u>	<u>Description</u>
Section 4.29	Detectable Warnings on Walking Surfaces
Section A4.29.2	Detectable Warnings on Walking Surfaces

<b><i>RELATED</i> CROSS REFERENCE MATERIALS</b>
---

City of Austin Standard Contract Documents

<u>Designation</u>	<u>Description</u>
00700	General Conditions
01500	Temporary Facilities
01550	Public Safety and Convenience

City of Austin Utilities Criteria Manual

<u>Designation</u>	<u>Description</u>
Section 5.2.3	Utility Adjustments For Roadway Construction Projects

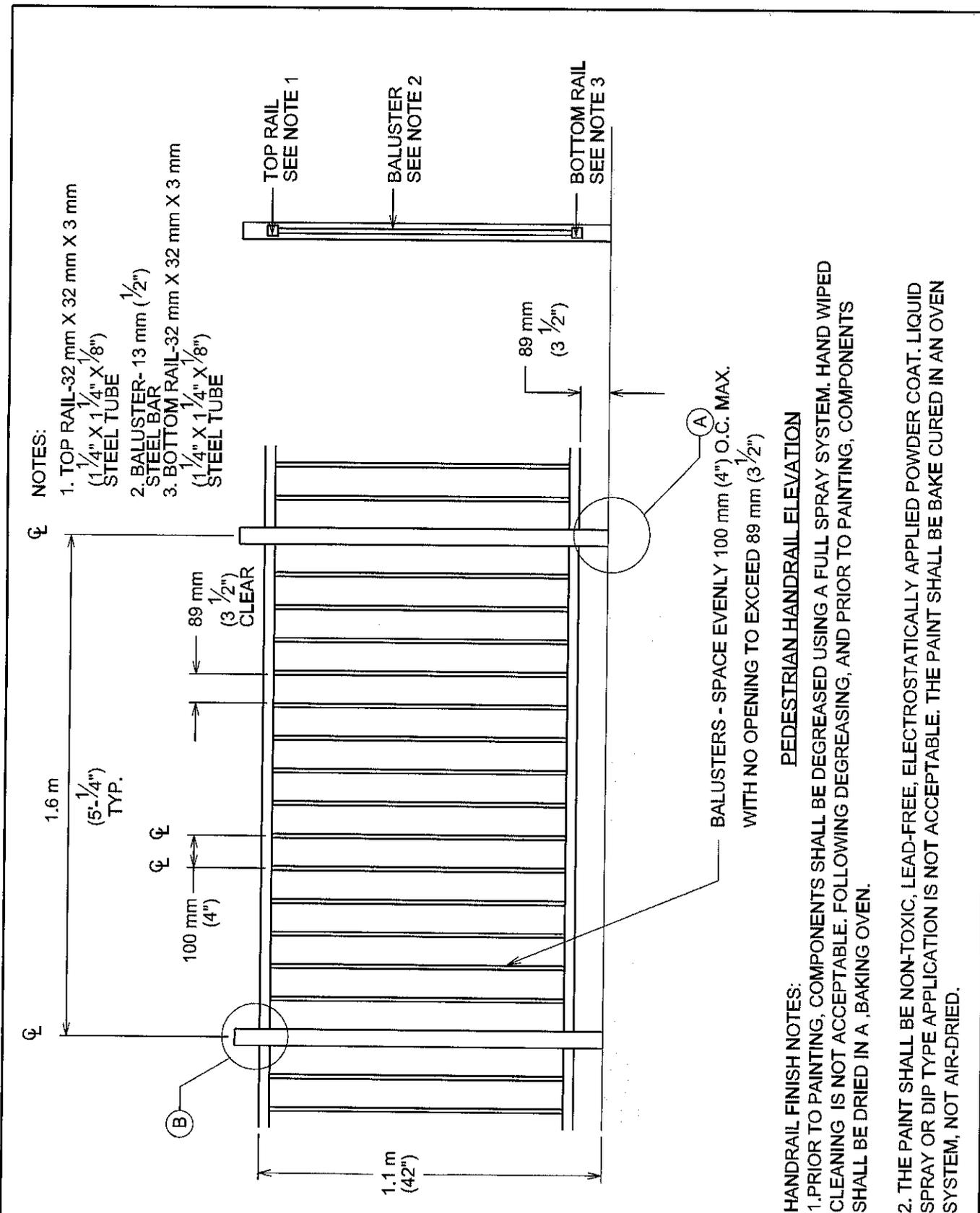
City of Austin Standard Specifications

<u>Designation</u>	<u>Description</u>
Item No. 102S	Clearing and Grubbing
Item No. 104S	Removing Portland Cement Concrete
Item No. 110S	Street Excavation
Item No. 132S	Embankment
Item No. 203S	Lime Treatment for Materials In Place
Item No. 204S	Portland Cement Treatment for Materials In Place
Item No. 230S	Rolling (Flat Wheel)
Item No. 232S	Rolling (Pneumatic Tire)
Item No. 234S	Rolling (Tamping)
Item No. 236S	Rolling (Proof)
Item No. 360S	Concrete Pavement
Item No. 402S	Controlled Low Strength Material
Item No. 404S	Pneumatically Placed Concrete
Item No. 405S	Concrete Admixtures
Item No. 411S	Surface Finishes for Concrete

**SPECIAL PROVISIONS TO  
Standard Specification Item No. 430S & 433S  
P.C. Concrete Curb & Gutter & P.C. Concrete Driveways**

For this project **P.C. Concrete Curb & Gutter & P.C. Concrete Driveways Item No. 430S, & 433S** of the City of Austin Standard Technical Specifications are hereby deleted in their entirety and replaced with Special Specifications **SS430S & SS433S**.

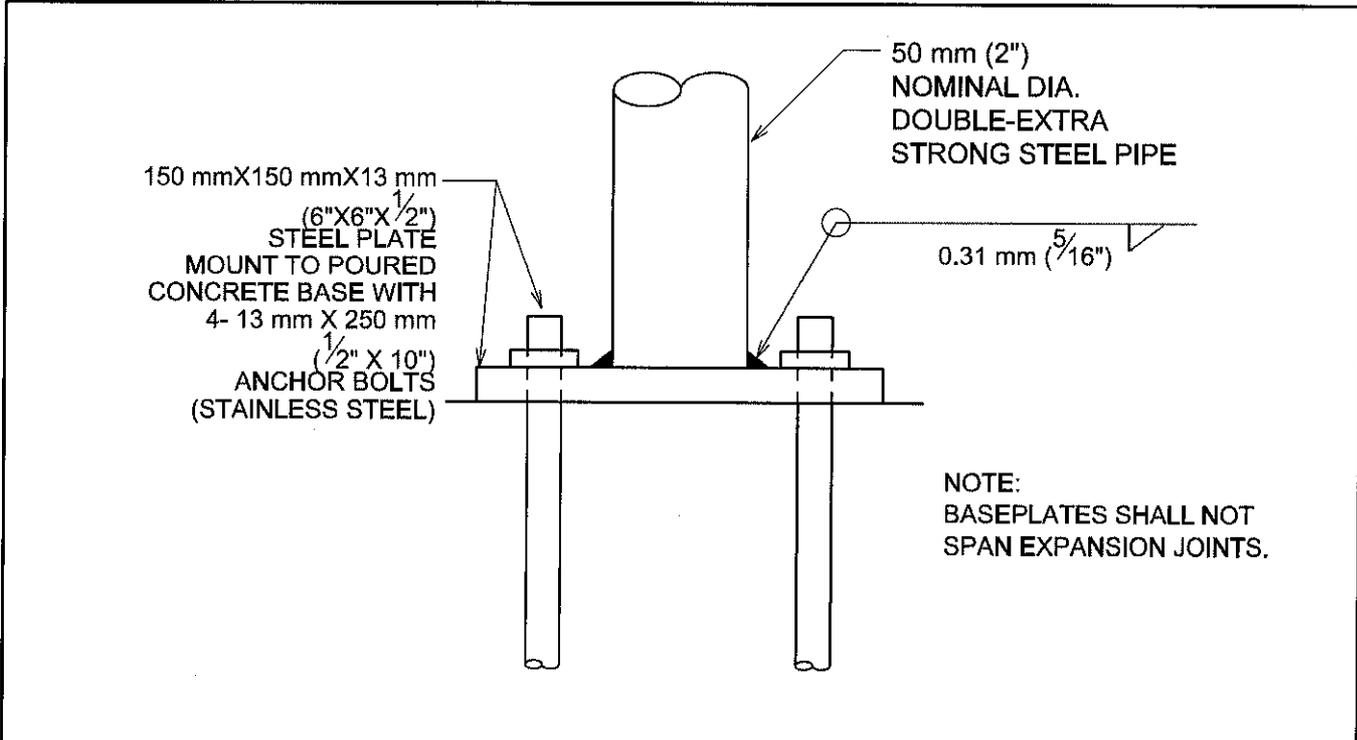
**END**



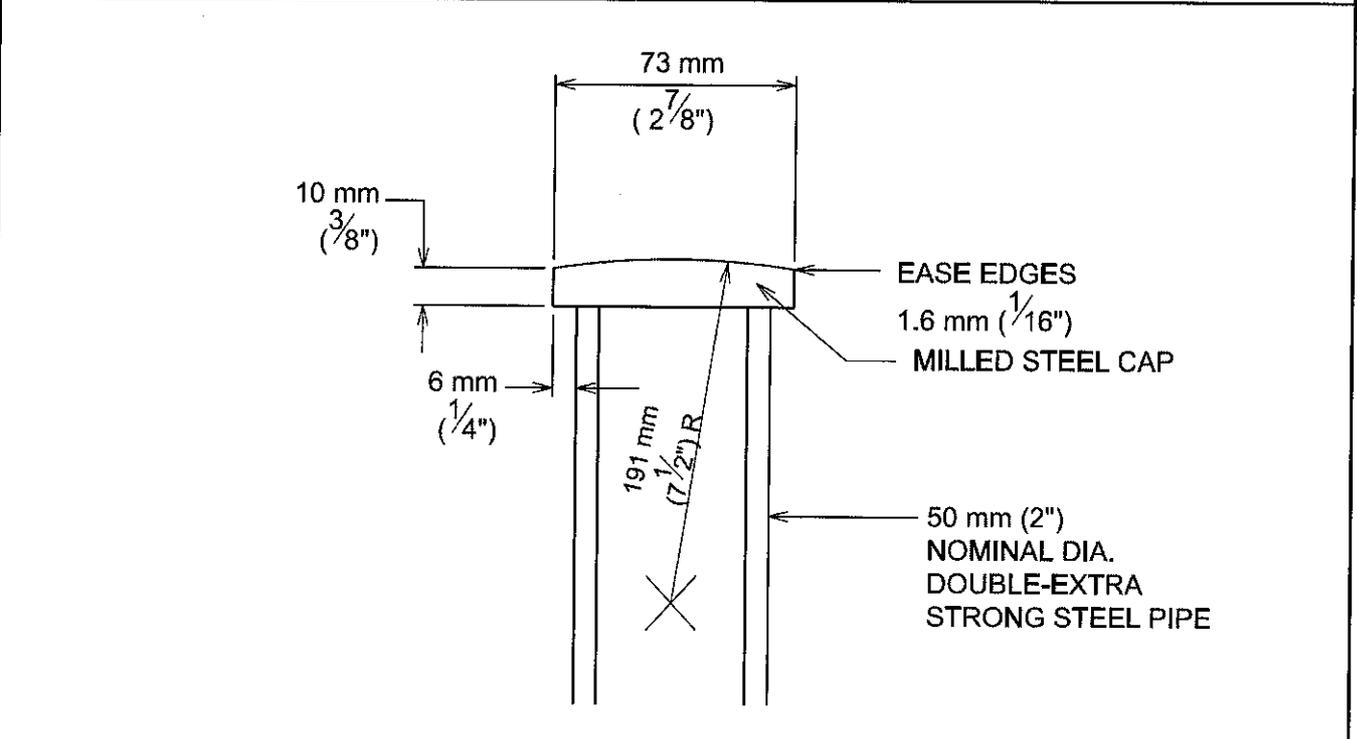
**HANDRAIL FINISH NOTES:**

1. PRIOR TO PAINTING, COMPONENTS SHALL BE DEGREASED USING A FULL SPRAY SYSTEM. HAND WIPED CLEANING IS NOT ACCEPTABLE. FOLLOWING DEGREASING, AND PRIOR TO PAINTING, COMPONENTS SHALL BE DRIED IN A BAKING OVEN.
2. THE PAINT SHALL BE NON-TOXIC, LEAD-FREE, ELECTROSTATICALLY APPLIED POWDER COAT. LIQUID SPRAY OR DIP TYPE APPLICATION IS NOT ACCEPTABLE. THE PAINT SHALL BE BAKE CURED IN AN OVEN SYSTEM, NOT AIR-DRIED.

<b>CITY OF AUSTIN</b> DEPARTMENT OF PUBLIC WORKS		<b>PEDESTRIAN HANDRAIL</b>	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>707S-1</b> 1 OF 4

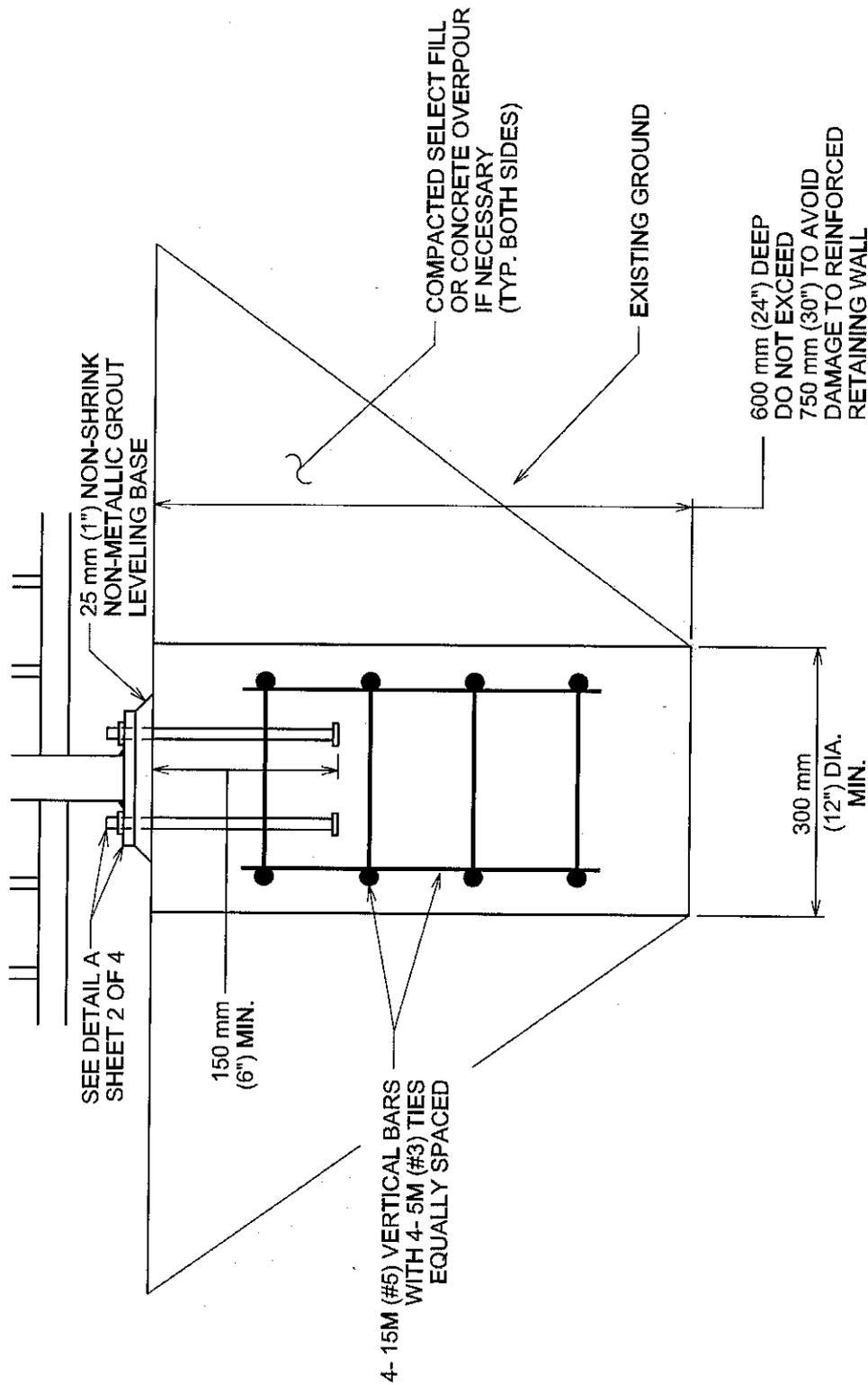


**A. BASE PLATE DETAIL**



**B. CAP SECTION**

<b>CITY OF AUSTIN</b> DEPARTMENT OF PUBLIC WORKS		<b>PEDESTRIAN HANDRAIL</b>	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>707S-1</b> 2 OF 4



NOTE:  
CONTRACTOR SHALL HAND DIG AS NECESSARY TO PROVIDE STABLE SIDE SLOPES FOR PIER.  
ENTIRE EXCAVATION SHALL BE FILLED WITH CONCRETE SUCH THAT MINIMUM 300 mm (12") DIAMETER  
WITH REINFORCEMENT IS MAINTAINED. CONTRACTOR SHALL NOTIFY ENGINEER OR DESIGNATED  
REPRESENTATIVE 48 HOURS IN ADVANCE OF INSTALLATION FOR OBSERVATION.

DRILLED PIER CONCRETE BASE DETAIL

CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS

PEDESTRIAN HANDRAIL

RECORD COPY SIGNED  
BY KERI JUAREZ

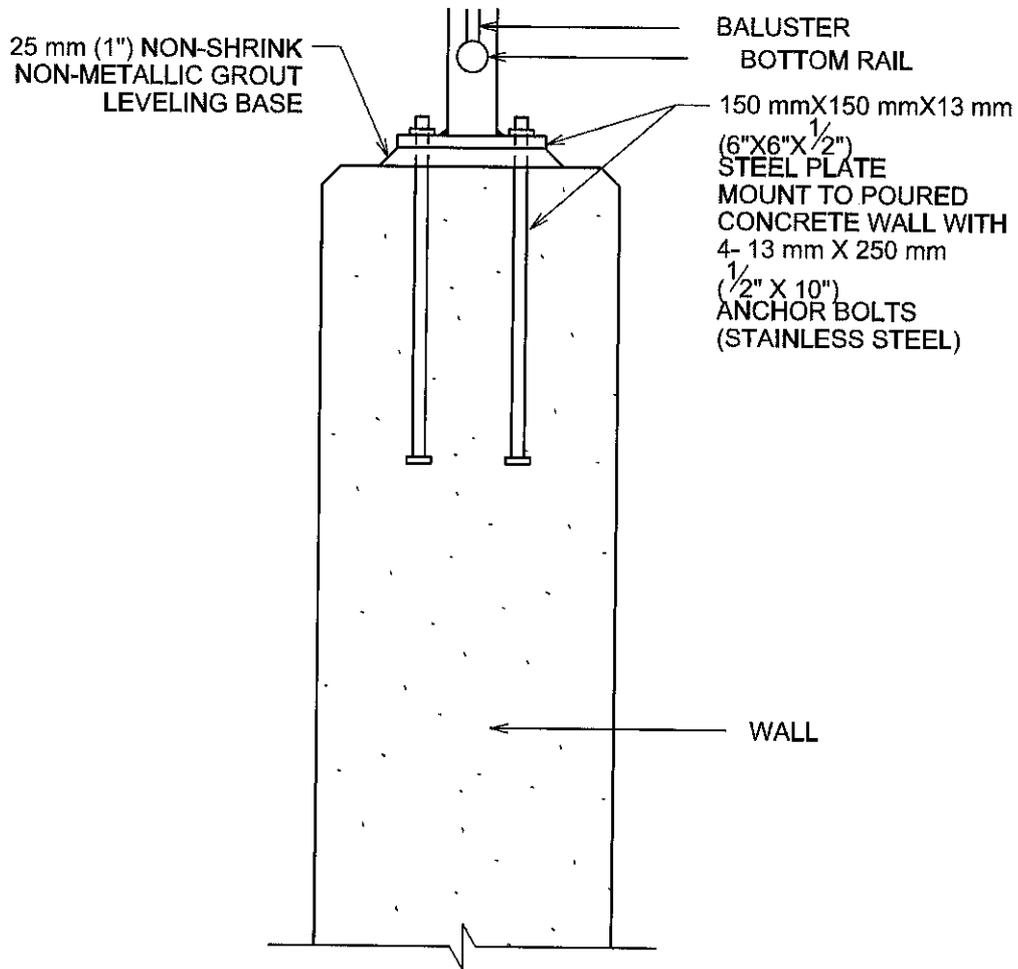
01/04/11  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES  
RESPONSIBILITY FOR APPROPRIATE USE  
OF THIS STANDARD.

STANDARD NO.

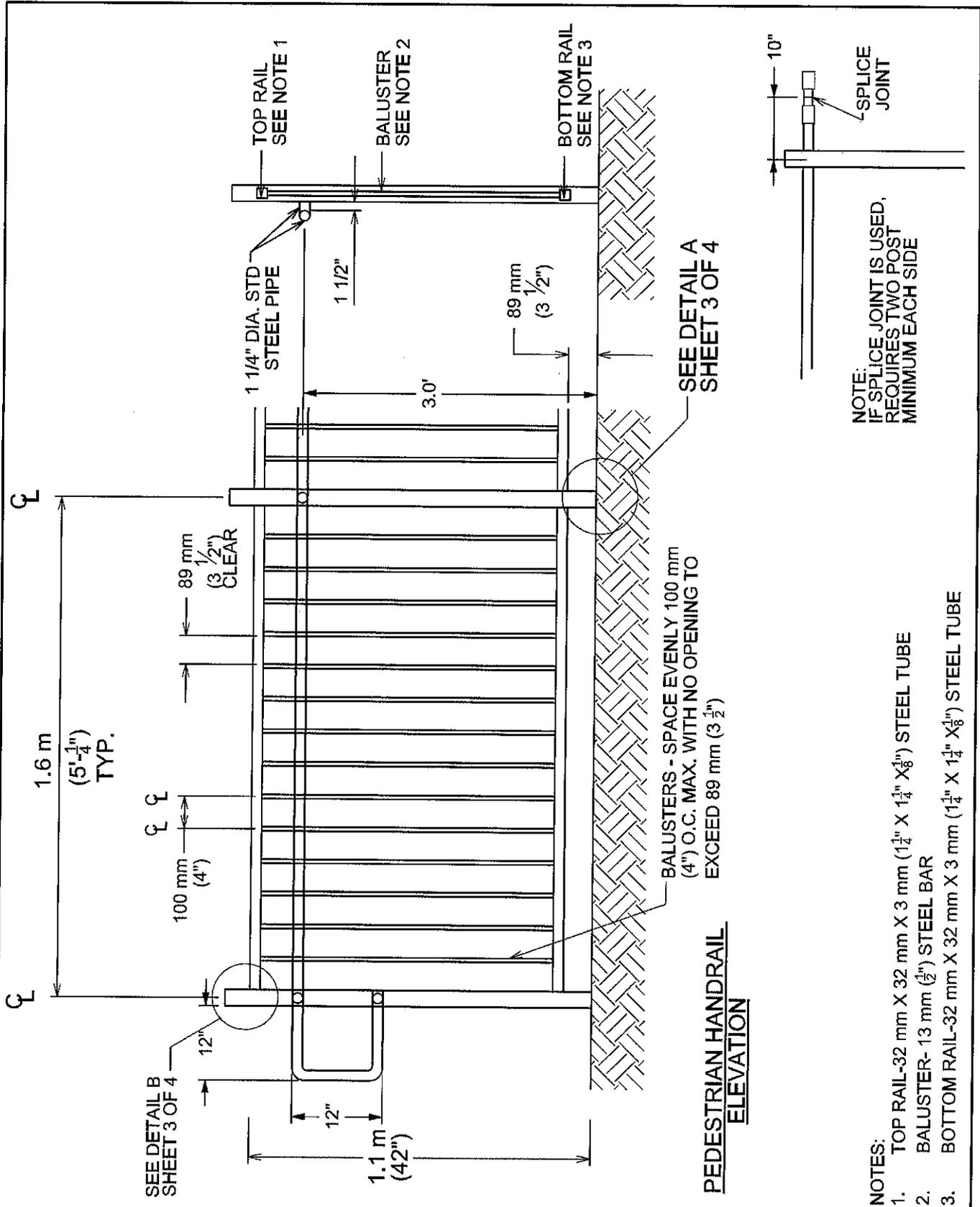
707S-1

3 OF 4



WALL MOUNTING DETAIL

<b>CITY OF AUSTIN</b> DEPARTMENT OF PUBLIC WORKS		<b>PEDESTRIAN HANDRAIL</b>	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>707S-1</b> 4 OF 4



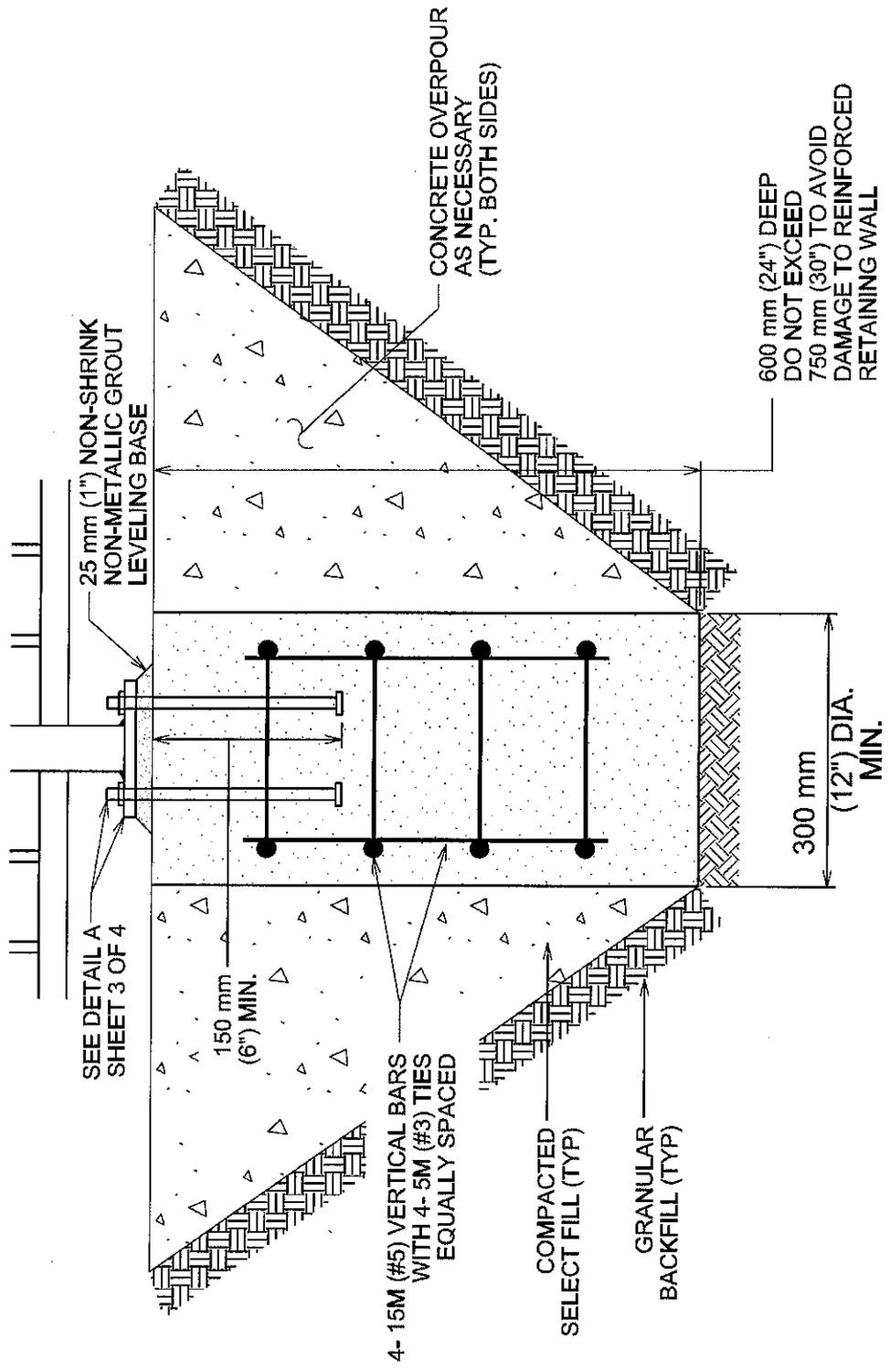
NOTE:  
IF SPLICE JOINT IS USED,  
REQUIRES TWO POST  
MINIMUM EACH SIDE

BALUSTERS - SPACE EVENLY 100 mm  
(4") O.C. MAX. WITH NO OPENING TO  
EXCEED 89 mm (3 1/2")

**PEDESTRIAN HANDRAIL  
ELEVATION**

- NOTES:
1. TOP RAIL-32 mm X 32 mm X 3 mm (1 1/4" X 1 1/4" X 3/8") STEEL TUBE
  2. BALUSTER- 13 mm (1/2") STEEL BAR
  3. BOTTOM RAIL-32 mm X 32 mm X 3 mm (1 1/4" X 1 1/4" X 3/8") STEEL TUBE

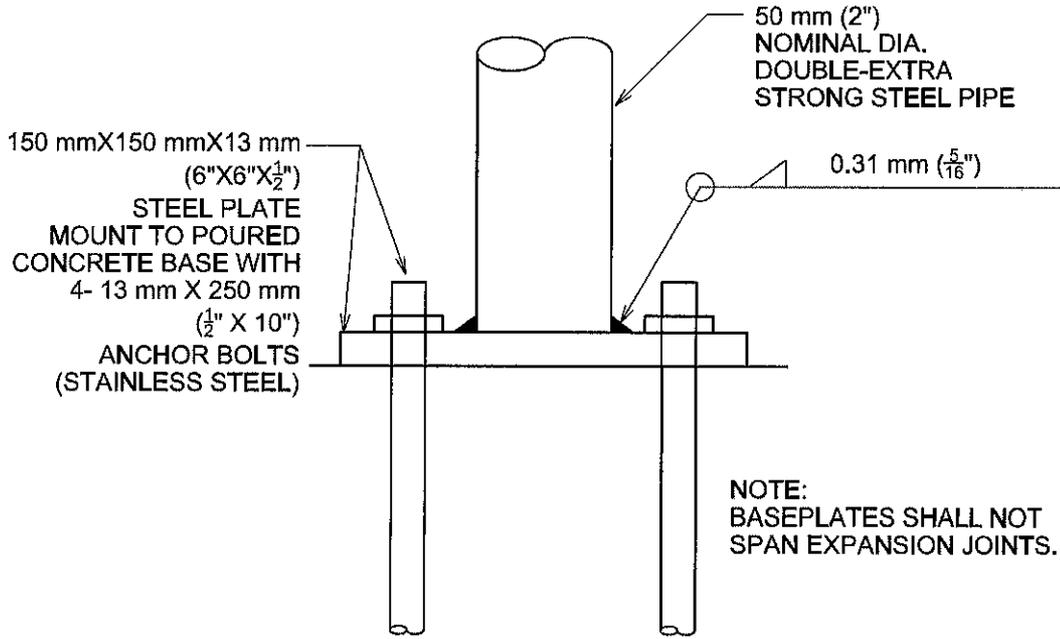
<p>CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS</p>		<p>PEDESTRIAN ADA HANDRAIL OPTION 1</p>	
<p>RECORD COPY SIGNED BY SAM ANGOORI</p>	<p>01/04/10</p>	<p>THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.</p>	<p>STANDARD NO. <b>707S-2</b> 1 OF 4</p>
<p>ADOPTED</p>			



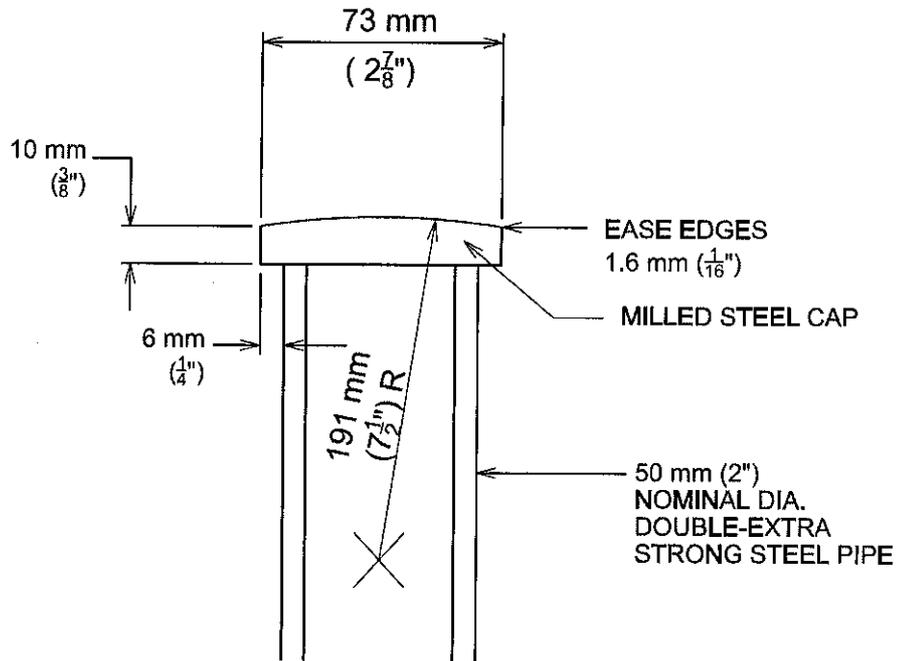
**DRILLED PIER  
CONCRETE BASE DETAIL**

- NOTE:**
1. CONTRACTOR SHALL HAND DIG AS NECESSARY TO PROVIDE STABLE SIDE SLOPES FOR PIER.
  2. ENTIRE EXCAVATION SHALL BE FILLED WITH CONCRETE SUCH THAT MINIMUM 300 mm (12") DIAMETER WITH REINFORCEMENT IS MAINTAINED.
  3. CONTRACTOR SHALL NOTIFY ENGINEER OR DESIGNATED REPRESENTATIVE 48 HOURS IN ADVANCE OF INSTALLATION FOR OBSERVATION.

<b>CITY OF AUSTIN</b> DEPARTMENT OF PUBLIC WORKS		<b>PEDESTRIAN ADA HANDRAIL OPTION 1</b>	
RECORD COPY SIGNED BY SAM ANGOORI	01/04/10 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>707S-2</b> 2 OF 4

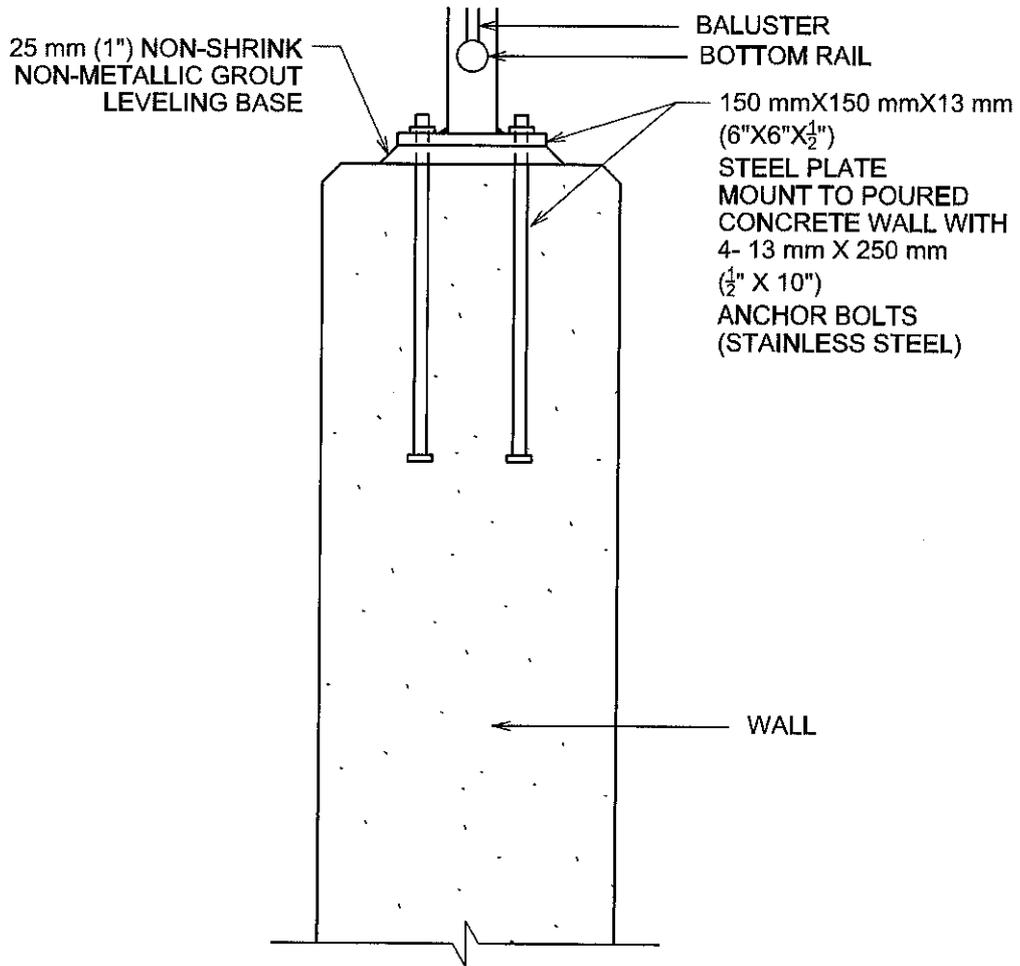


**DETAIL A  
BASE PLATE**



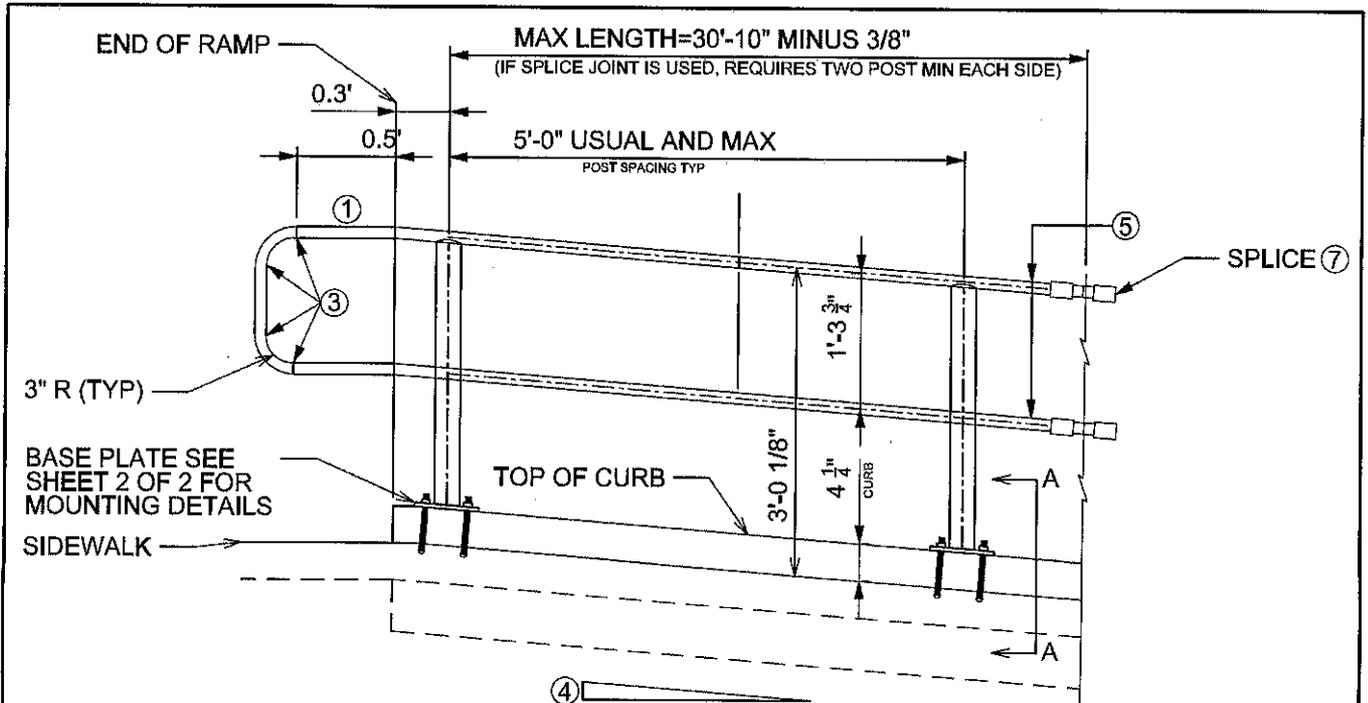
**CAP SECTION DETAIL B**

<p>CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS</p>		<p>PEDESTRIAN ADA HANDRAIL OPTION 1</p>	
<p>RECORD COPY SIGNED BY SAM ANGOORI</p>	<p>01/04/10</p>	<p>THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.</p>	<p>STANDARD NO. <b>707S-2</b> 3 OF 4</p>
<p>ADOPTED</p>			



WALL MOUNTING DETAIL

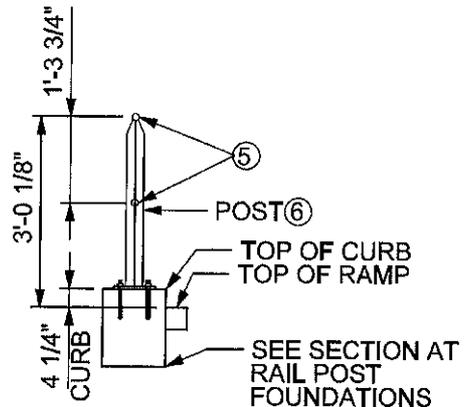
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		PEDESTRIAN ADA HANDRAIL OPTION 1	
RECORD COPY SIGNED BY SAM ANGOORI	01/04/10	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>707S-2</b> 4 OF 4
	ADOPTED		



**LEGEND**

1. PARALLEL TO THE GROUND.
2. SHOP SPLICE IS PERMITTED WITH MINIMUM 85 PERCENT PENETRATION. THE WELD MAY BE SQUARE GROOVE OR SINGLE VEE GROOVE. GRIND SMOOTH.
3. SEE RAMP DETAIL LOCATED ELSEWHERE IN DRAWINGS FOR RAMP SLOPE AND DIMENSIONS. MAXIMUM RAMP SLOPE WILL NOT EXCEED 8.3 PERCENT. LEVEL LANDING REQUIRED FOR EACH 30" RISE IF GRADE EXCEEDS 5 PERCENT.
4. 1" DIA EXTRA HEAVY PIPE (1.315" O.D., 0.179" WALL THICKNESS), PARALLEL TO RAMP/ SIDEWALK. PROVIDE HOLES AS NEEDED IN 1" DIA PIPE FOR GALVANIZING DRAINAGE AND VENTING.
5. 2 1/2" DIA STANDARD PIPE (2.875" O.D., 0.202" WALL THICKNESS). PLUMB ALL POSTS. SEE POST MOUNT DETAIL FOR CRIMPING AND TRIMMING POST TO FIT DIA OF TOP RAIL. PROVIDE HOLES AS NEEDED IN POST FOR GALVANIZING DRAINAGE AND VENTING.
6. SEE HANDRAIL FABRICATION DETAILS FOR SPLICE JOINTS.
7. CENTER LINE 5/8" DIA ROUND BAR EQ SPACES AT 4 1/2" MAX. PLUMB ALL PICKETS.

**NOTE:**  
IF SPLICE JOINT IS USED,  
REQUIRES TWO POST  
MINIMUM EACH SIDE

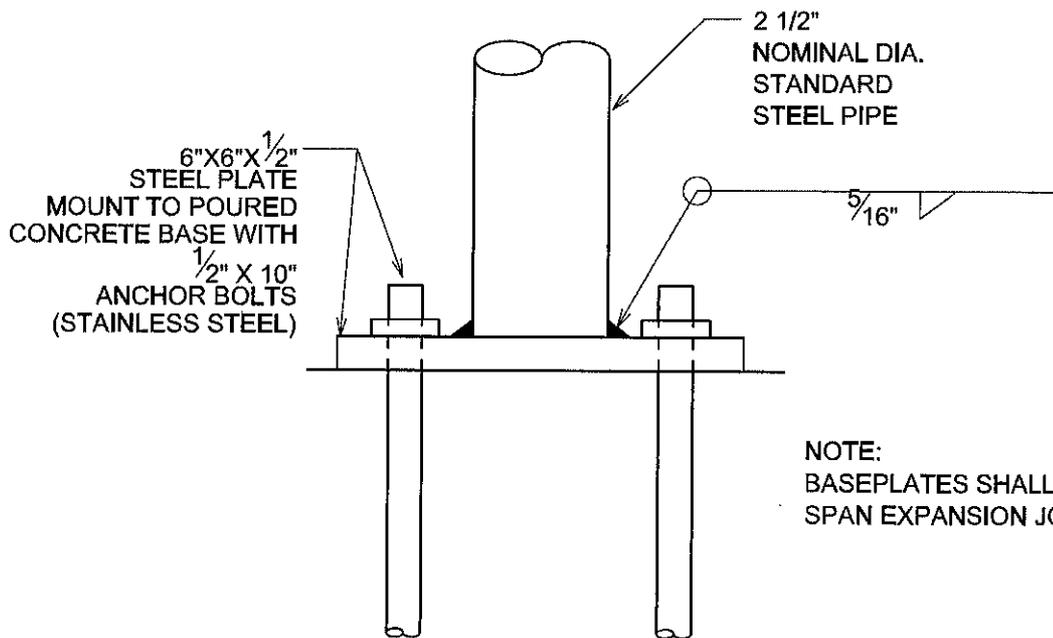


**SECTION A-A**

**NOTES**

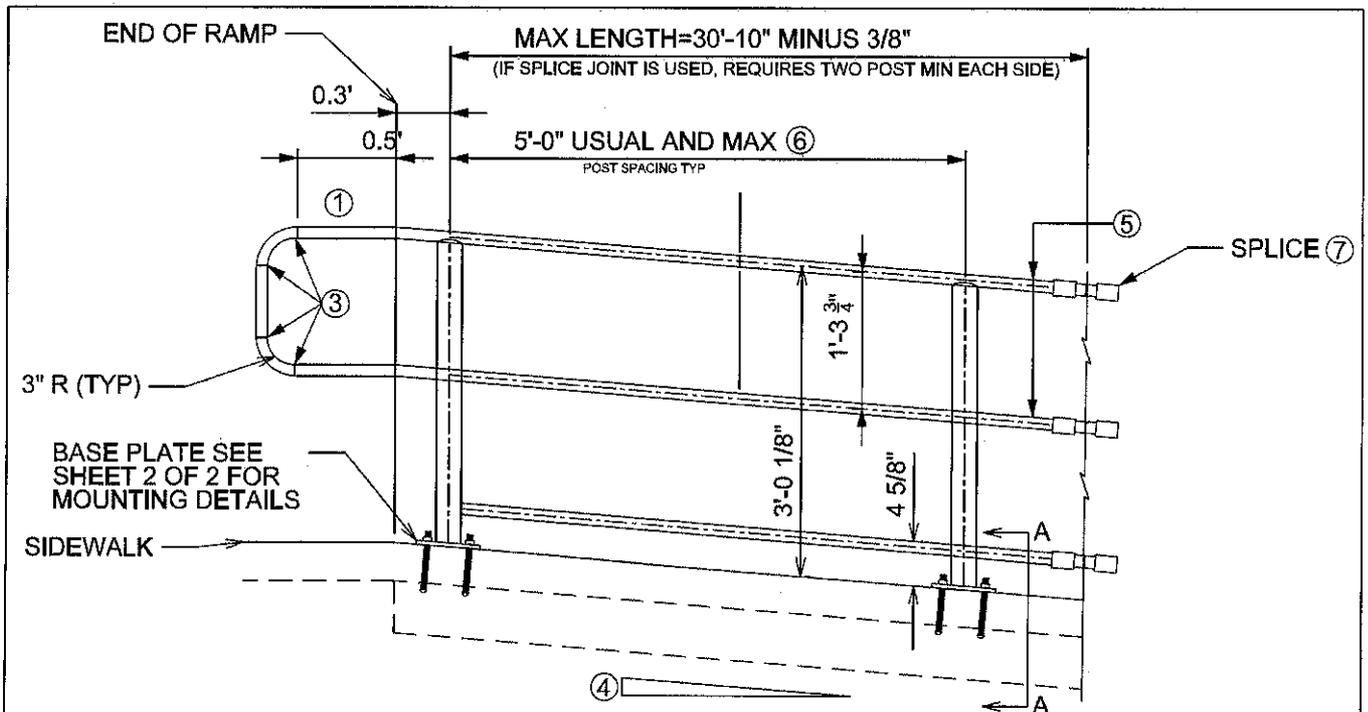
- \* WHEN NEEDED FOR ACCESSIBILITY (GRADE >5 PERCENT) OR AS NEEDED FOR PEDESTRIAN SAFETY.
- \* NOT TO BE USED ON BRIDGES
- \* ONE SHOP SPLICE PER PANEL IS PERMITTED WITH MINIMUM 85 PERCENT PENETRATION. THE WELD MAY BE SQUARE GROOVE OR SINGLE VEE GROOVE. GRIND SMOOTH.

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		PEDESTRIAN ADA HANDRAIL ON CURB- OPTION 2	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>707-3</b> 1 OF 2



BASE PLATE DETAIL

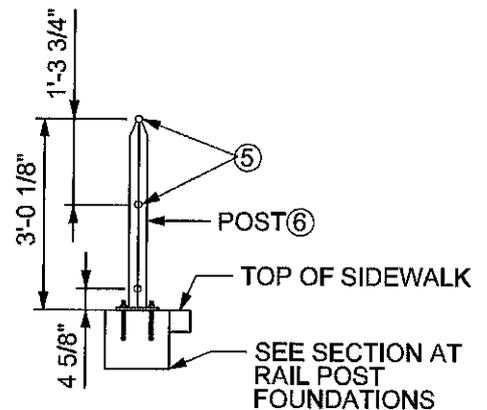
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		PEDESTRIAN ADA HANDRAIL ON CURB- OPTION 2	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>707-3</b> 2 OF 2



**LEGEND**

1. PARALLEL TO THE GROUND.
2. SHOP SPLICE IS PERMITTED WITH MINIMUM 85 PERCENT PENETRATION. THE WELD MAY BE SQUARE GROOVE OR SINGLE VEE GROOVE. GRIND SMOOTH.
3. SEE RAMP DETAIL LOCATED ELSEWHERE IN DRAWINGS FOR RAMP SLOPE AND DIMENSIONS. MAXIMUM RAMP SLOPE WILL NOT EXCEED 8.3 PERCENT. LEVEL LANDING REQUIRED FOR EACH 30" RISE IF GRADE EXCEEDS 5 PERCENT.
4. 1" DIA EXTRA HEAVY PIPE (1.315" O.D., 0.179" WALL THICKNESS). PARALLEL TO RAMP/ SIDEWALK. PROVIDE HOLES AS NEEDED IN 1" DIA PIPE FOR GALVANIZING DRAINAGE AND VENTING.
5. 2 1/2 DIA STANDARD PIPE (2.875" O.D., 0.202" WALL THICKNESS). PLUMB ALL POSTS. SEE POST MOUNT DETAIL FOR CRIMPING AND TRIMMING POST TO FIT DIA OF TOP RAIL. PROVIDE HOLES AS NEEDED IN POST FOR GALVANIZING DRAINAGE AND VENTING.
6. SEE HANDRAIL FABRICATION DETAILS FOR SPLICE JOINTS.
7. CENTER LINE 5/8" DIA ROUND BAR EQ SPACES AT 4 1/2" MAX. PLUMB ALL PICKETS.

**NOTE:**  
IF SPLICE JOINT IS USED,  
REQUIRES TWO POST  
MINIMUM EACH SIDE

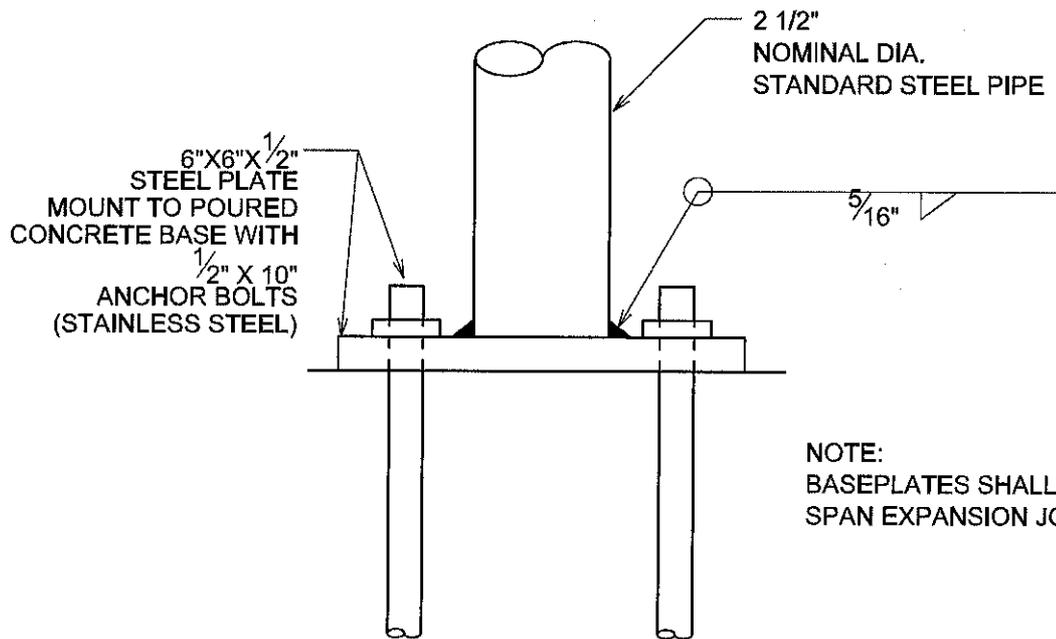


**SECTION A-A**

**NOTES**

- \* WHEN NEEDED FOR ACCESSIBILITY (GRADE >5 PERCENT) OR AS NEEDED FOR PEDESTRIAN SAFETY.
- \* NOT TO BE USED ON BRIDGES
- \* ONE SHOP SPLICE PER PANEL IS PERMITTED WITH MINIMUM 85 PERCENT PENETRATION. THE WELD MAY BE SQUARE GROOVE OR SINGLE VEE GROOVE. GRIND SMOOTH.

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		PEDESTRIAN ADA HANDRAIL ON SIDEWALK OPTION 3	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>707-4</b> 1 OF 2



BASE PLATE DETAIL

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		PEDESTRIAN ADA HANDRAIL ON SIDEWALK- OPTION 3	
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. <b>707-4</b> 2 OF 2