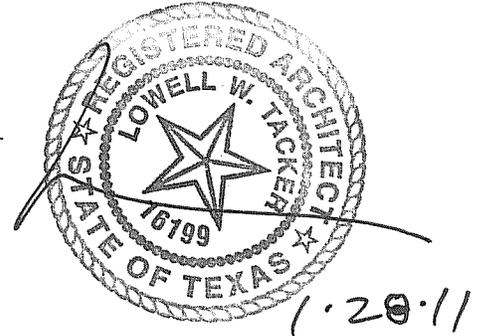


CITY OF SAN ANTONIO  
CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT

PROJECT NAME: **COSA Fire Dept. Logistics/Services Facility**

DATE: January 28, 2011



**ADDENDUM NO. 3**

This addendum shall be included in and be considered part of the plans and specifications for the above named project. The contractor shall be required to sign an acknowledgment of the receipt of this addendum at the time he receives it.

To Drawings and Specifications dated October 18, 2010 for **COSA Fire Dept. Logistics/Services Facility** Prepared By: O'Neill Conrad Oppelt Architects, Inc.

This addendum shall be considered part of the Contract Documents for the above-mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents, this Addendum shall govern and take precedence.

Bidders are hereby notified that they shall make any necessary adjustment in their estimates on account of this addendum. It will be construed that each Bidder's proposal is submitted with full knowledge of all modifications and supplemental data specified herein.

**Total Pages Addendum No. 3: 23**

**CIVIL:**

Item	Reference	Description
C3-1	Sheets C3.1 through C3.24	Revise keyed notes per attached, " <b>Addendum #3, sheet C3-01, 8.5" x 11", dated 1.26.11</b> "
C3-2	Grading Plans	Revise Grading per attached, " <b>Addendum #3, sheet C3-02, 11" x 17", dated 1.26.11</b> "
C3-3	Alternate 9, ADA Site Access Walk	Add Alternate No. 9, ADA Site Access Walk per attached, " <b>Addendum #3, sheet C3-03, 11" x 17", dated 1.26.11</b> "
C3-4	Sheet C8.1	Replace with, " <b>Addendum #3, sheet C8.1, 24" x 36", dated 1.6.11</b> "

**SPECIFICATIONS:**

Item	Reference	Description
S3-1	City of San Antonio Addenda Acknowledgement Form	Add new specification <b>attached herein. Form must be completed, executed for each addendum and included in the proposal.</b>
S3-2	Section 01 2300, 1.05	Add, "I. <b>Alternative No. 9 – ADA Site Access Walk</b> "

**CLARIFICATION:**

Item	Reference	Description
CL3-1	Alternate 9, ADA Site Access Walk	Include ADA compliant hardware for 4' pedestrian gate.

**DRAWINGS:**

Item	Reference	Description
D3-1	Sheet A-2.3	Revise per attached, " <b>Addendum #3, sheet D-3.1, 8.5" x 11", dated 1.25.11</b> "
D3-2	Sheet A-4.0	Revise per attached, " <b>Addendum #3, sheet D-3.2, 8.5" x 11", dated 1.25.11</b> "
D3-3	Sheet D-3.3	Revise per attached, " <b>Addendum #3, sheet D-3.3, 8.5" x 11", dated 1.25.11</b> "
D3-4	Sheet A-2.6	Revise per attached, " <b>Addendum #3, sheet D-3.4, 8.5" x 11", dated 1.25.11</b> "
D3-5	Sheet A2-3	Revise per attached, " <b>Addendum #3, sheet D-3.5, 8.5" x 11", dated 1.25.11</b> "
D3-6	Sheet A-6.1	Revise per attached, " <b>Addendum #3, sheet D-3.6, 8.5" x 11", dated 1.25.11</b> "
D3-7	Sheet A-0.4	Replace with, " <b>Addendum #3, sheet A-0.4, 24" x 36", dated 1.25.11</b> "
D3-8	Sheet A-2.9	Replace with, " <b>Addendum #3, sheet A-2.9, 24" x 36", dated 1.25.11</b> "
D3-9	Cover Sheet	Add, " <b>Alternate No. 9, ADA Site Access Walk</b> " to Alternate list.

**STRUCTURAL:**

Item	Reference	Description
ST3-1	Sheet S-2.1	Revise per attached, " <b>Addendum #3, sheet SD-3.1, 8.5" x 11", dated 1.26.11</b> "

**MEP:**

<b>Item</b>	<b>Reference</b>	<b>Description</b>
MEP3-1	COSA Fire Dept. Logistics/Services Facility Construction Documents	Revise documents per attached, " <b>A.A. Gonzales Engineering, Inc, Addendum #3, three, 8.5" x 11" pages, dated 1.26.11</b> "
MEP3-2	Sheet P2.2, Plumbing Fixture Connection Schedule	Replace Plumbing Fixture Connection Schedule with, " <b>Addendum #3, Plumbing Fixture Connection Schedule, 8.5" x 11", dated 1.26.11</b> "
MEP3-3	2/E2.1	Replace 2/E2.1 with " <b>Addendum #3, 2 Enlarged Mech/Elect. Equipment Yard, 8.5" x 11", dated 1.19.11</b> " attached.
MEP3-4	Sheet P2.2	Add, " <b>Addendum #3, Detail 11, Water heater, 8.5" x 11", dated 1.19.11</b> " to sheet P2.2.

END OF ADDENDUM NO. 3

## KEY NOTES:



- (A1) HEAVY DUTY PAVEMENT
- (A2) LIGHT DUTY PAVEMENT
- (A3) COMPACTED BASE WITH SURFACE TREATMENT
- (B) 3' WIDE CONCRETE MEDIAN
- (C) CONCRETE DUMPSTER PAD
- (D) 6" HIGH STANDARD CURB
- (E) FLUSH CURB
- (H) CONCRETE SIDEWALK RAMP, SEE COSA STD. DWGS.
- (L) CONCRETE PAVEMENT, SEE STRUCTURAL DWGS.
- (M) HANDRAIL, SEE ARCHITECTURAL DWGS.
- (N) CONCRETE STEPS, SEE STRUCTURAL DWGS.
- (P) CONCRETE RIPRAP
- (R) PRECAST CONCRETE WHEELSTOP
- (S1) SIGN
- (S2) SIGN - HANDICAP ONLY
- (S3) SIGN - HANDICAP ONLY WITH VAN ACCESSIBLE
- (S4) BOLLARD
- (T1) PVMT MRKG: INTERNATIONAL HANDICAP SYMBOL
- (T2) PVMT MRKG: 4" WIDE YELLOW LINE AT 45°, 4' O.C.
- (T3) PVMT MRKG: 4" WIDE WHITE LINE AT 45°, 4' O.C.
- (T4) PVMT MRKG: 4" WIDE PAINTED YELLOW STRIPE
- (T5) PVMT MRKG: 4" WIDE PAINTED WHITE STRIPE
- (T6) PVMT MRKG: 4" WIDE PAINTED RED FIRE LANE STRIPE
- (T7) PVMT MRKG: 24"x6'-0" SOLID WHITE LINE AT 6' O.C.
- (T8) PVMT MRKG: 24" WIDE SOLID WHITE STOP BAR
- (T9) PVMT MRKG: SOLID PAINTED WHITE TRAFFIC CONTROL
- (X1) FENCING: CHAIN LINK
- (X2) FENCING: METAL, SEE ARCHITECTURAL DWGS.
- (Y1) LANDSCAPE AREA



NOTE:

REPLACE KEY NOTES LEGEND ON ALL APPLICABLE SHEETS. (REMOVES REFERENCE TO CONCRETE PAVEMENT, SEE SHEET C5.0 FOR DESCRIPTION OF ALTERNATES FOR PAVEMENT)



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f. 210.829.1730

REFERENCE SHEET NO.

C3.1 - C3.24

**CDS/MUERY SERVICES**  
Engineering & Surveying  
3411 MAGIC DR. • SAN ANTONIO, TEXAS 78229 • 210-581-1111 • TX REG NO. F-1733

TITLE

REVISED KEY NOTE LEGEND

# PROJECT

COSA Fire Department  
Logistics/Services Facility  
San Antonio Fire Department  
300 S. Callaghan Road/ San Antonio, Texas 78227



DATE

01.26.2011

SCALE:

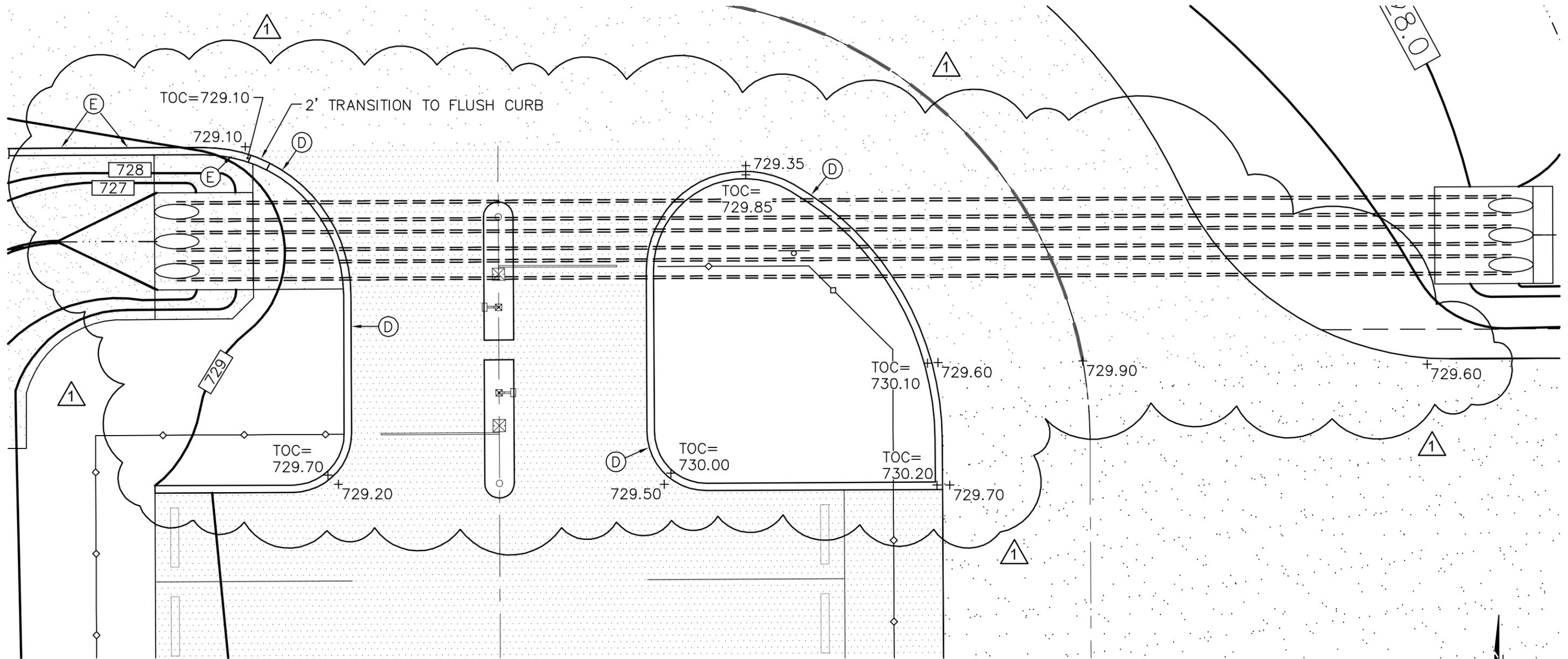
NA

ADD. NO

3

SHEET

C3-01



REVISED GRADING APPLIES TO BASE BID AND ALL ALTERNATES



REFERENCE SHEET NO.

C3.X & C7.X



TITLE

GRADING AND DRAINAGE PLAN

# PROJECT

COSA Fire Department  
Logistics/Services Facility  
San Antonio Fire Department  
300 S. Callaghan Road/ San Antonio, Texas 78227

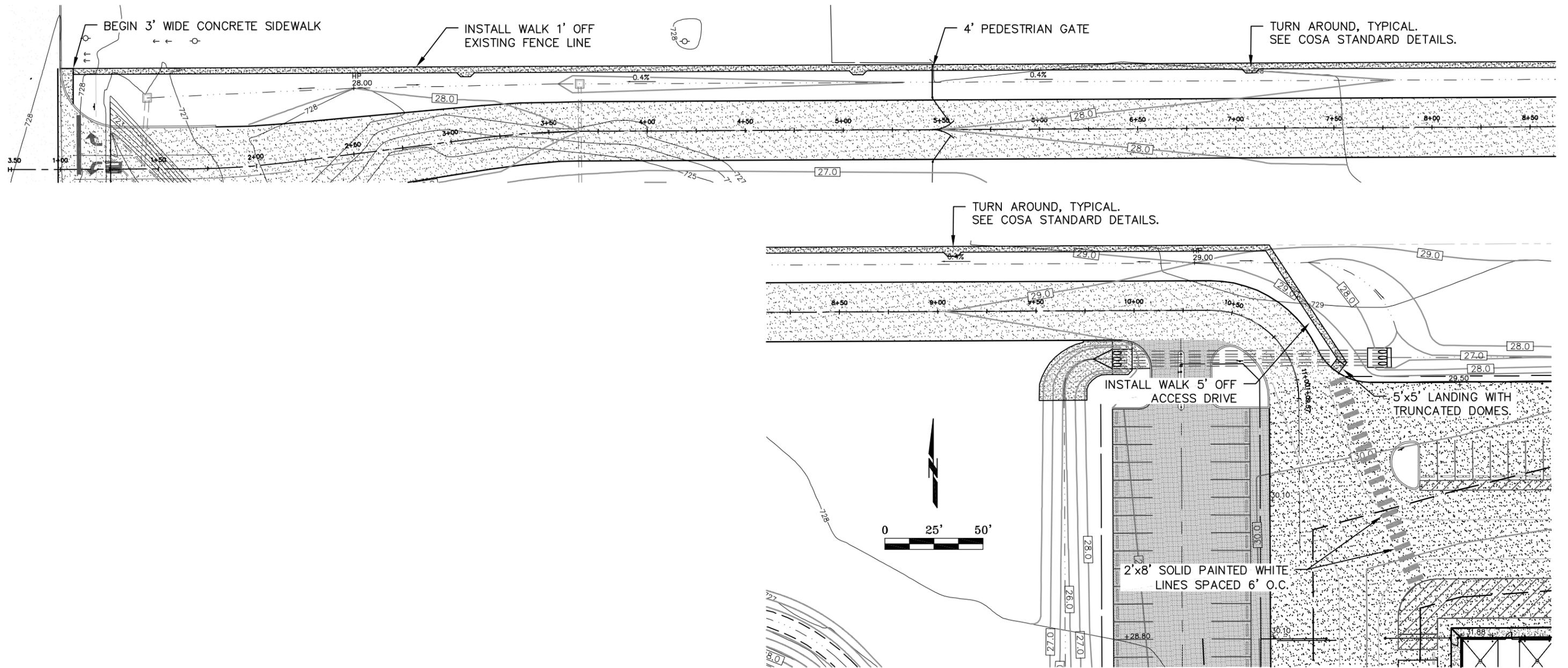


DATE  
01.26.2011

SCALE  
AS NOTED

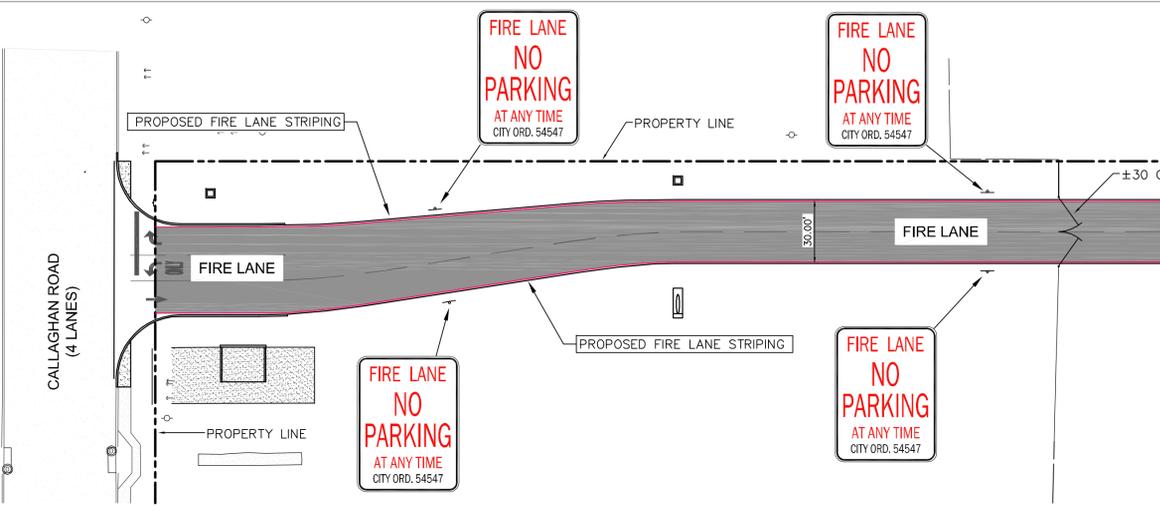
ADD. NO.  
3

SHEET  
C3-02



## ADA SITE ACCESS WALK ALTERNATE NO. 9

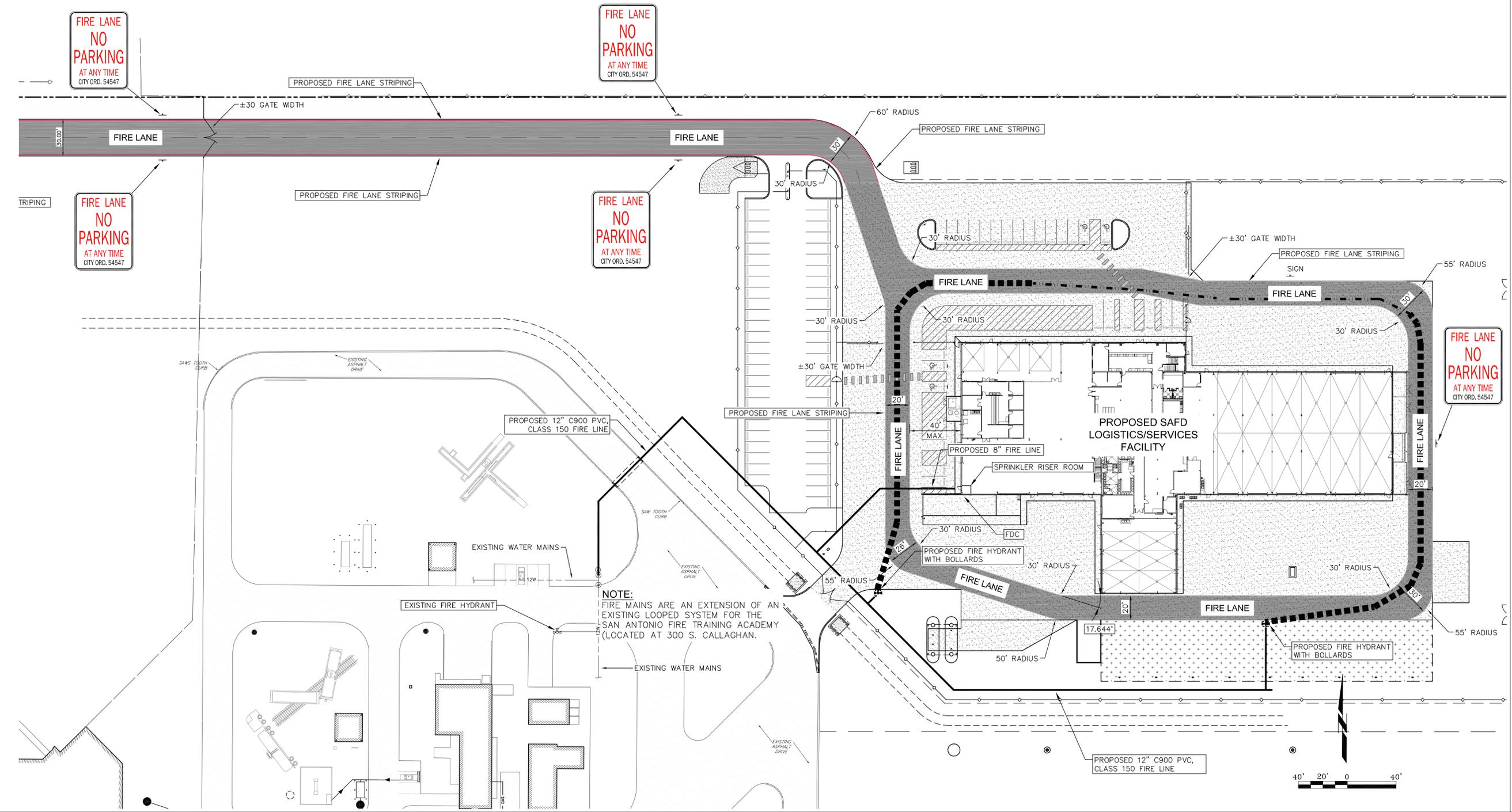
 <small>O'Neill Conrad Oppelt Architects, Inc. 114 E. Cavallos Street San Antonio, Texas 78204 www.ocoarchitects.com T. 210.829.1737 F. 210.829.1730</small>	<small>REFERENCE SHEET NO.</small> NA	 <small>Engineering &amp; Surveying 3411 MAGIC DR. • SAN ANTONIO, TEXAS 78229 • 210-581-1111 • TX REG NO. F-1733</small>	<small>CDS/MUERY SERVICES F-1733</small>	<small>DATE</small> 01.26.2011  <small>SCALE</small> AS NOTED  <small>ADD. NO.</small> 003  <small>SHEET</small> C3-03
	<small>TITLE</small> ADA SIDEWALK, ALTERNATE NO. 9  <small># PROJECT</small> COSA Fire Department Logistics/Services Facility San Antonio Fire Department 300 S. Callaghan Road/ San Antonio, Texas 78227		 <small>STATE OF TEXAS JASON W. HUBBERT 91839 LICENSED PROFESSIONAL ENGINEER</small>	



**BENCHMARK LIST**

TBM 4	FOUND RAILROAD SPIKE IN POWER POLE AT ACME ROAD AND ADDRESS 303. ELEV.=726.65
TBM 3	FOUND RAILROAD SPIKE IN POWER POLE AT S/W PROPERTY CORNER. ELEV.=727.88

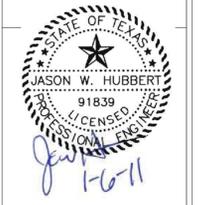
**NOTE:**  
FIRE LANE STRIPING SHALL BE RED READ: "FIRE LANE - NO PARKING" IN 4-INCH HIGH LETTERS, SPACED AT NO GREATER THAN 40 FEET.



**NOTE:**  
FIRE MAINS ARE AN EXTENSION OF AN EXISTING LOOPED SYSTEM FOR THE SAN ANTONIO FIRE TRAINING ACADEMY (LOCATED AT 300 S. CALLAGHAN.)



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**COSA Fire Department  
Logistics/Services Facility  
San Antonio Fire Department  
300 S. Callaghan Road  
San Antonio, Texas 78227**

**REVISIONS**

1	1.7.11	ADD SIGNS, REVISED
		FIRE LANE & CHANGED GATE DIRECTION

DATE: Oct. 18, 2010  
DRAWN BY: MAM  
CHECKED BY: JWH  
PROJECT NUMBER: 0807 / 108158

SHEET NAME:  
**FIRE PROTECTION PLAN**

SHEET NUMBER:  
**C8.1**

**CITY OF SAN ANTONIO  
DEPARTMENT OF CAPITAL IMPROVEMENTS MANAGEMENT SERVICES  
CONTRACT SERVICES DIVISION**

RECEIPT OF ADDENDUM NUMBER **3** IS HEREBY ACKNOWLEDGED FOR PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF **COSA FIRE DEPT. LOGISTICS/SERVICES FACILITY** FOR WHICH BIDS WILL BE OPENED ON **WEDNESDAY, FEBRUARY 9, 2011 @ 1:00 PM**

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE.

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip Code: \_\_\_\_\_

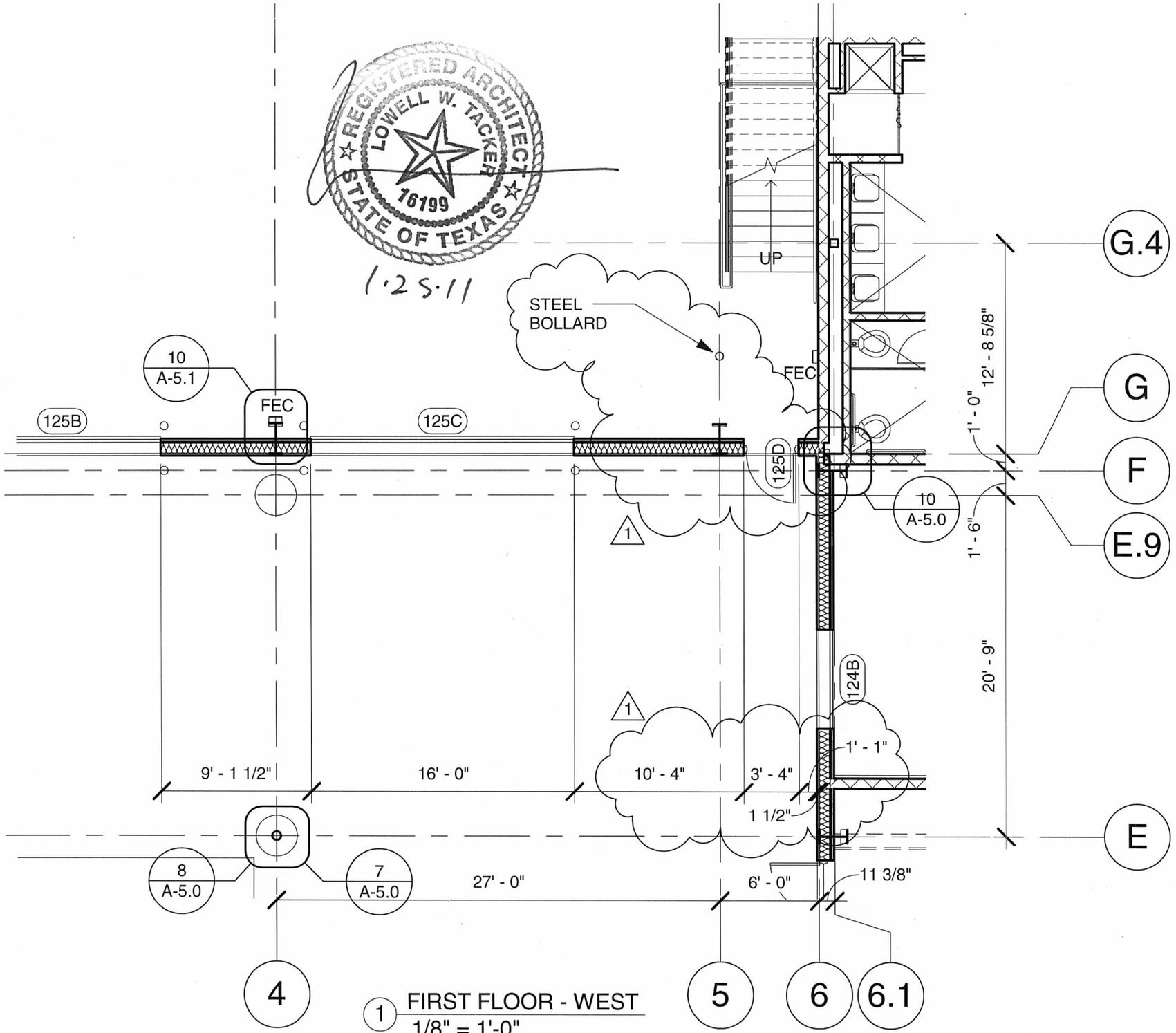
Date: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name/Title



1.25.11



1 FIRST FLOOR - WEST  
1/8" = 1'-0"

**oco**  
architects

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**COSA Fire Department  
Logistics/Services Facility**

San Antonio Fire Department  
300 S. Callaghan Road  
San Antonio, Texas 78227

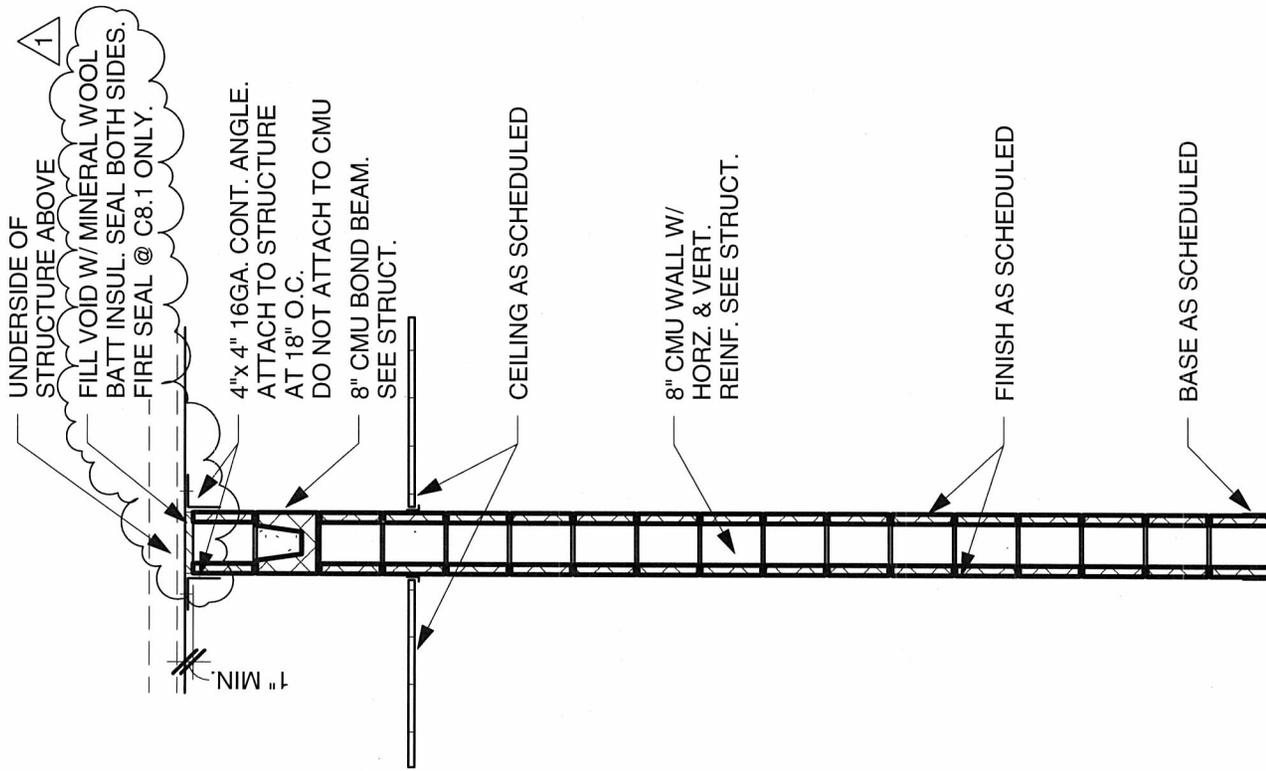
DATE:  
01/26/11

DRAWN BY:  
RG

REVISION:  
Addendum #3  
REFERENCE SHEET NUMBER:  
A-2.3

TITLE  
FIRST FLOOR - WEST

SHEET NUMBER  
**D-3.1**

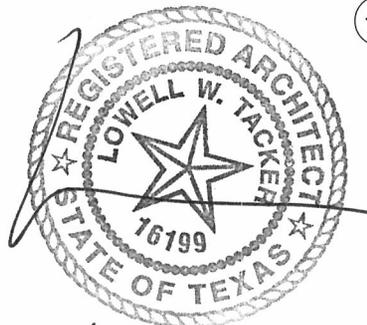


**C8.0** RATING: NONE  
ASSEMBLY WIDTH: 7 5/8"

**C8.1** RATING: 1 HOUR  
ASSEMBLY WIDTH: 7 5/8"  
UL U905

**C8.6** RATING: NONE  
ASSEMBLY WIDTH: 7 5/8"  
ASSEMBLY HT.: 6'-0"

1 WALL TYPES  
1/2" = 1'-0"



11.5.21



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**COSA Fire Department  
Logistics/Services Facility**

San Antonio Fire Department  
300 S. Callaghan Road  
San Antonio, Texas 78227

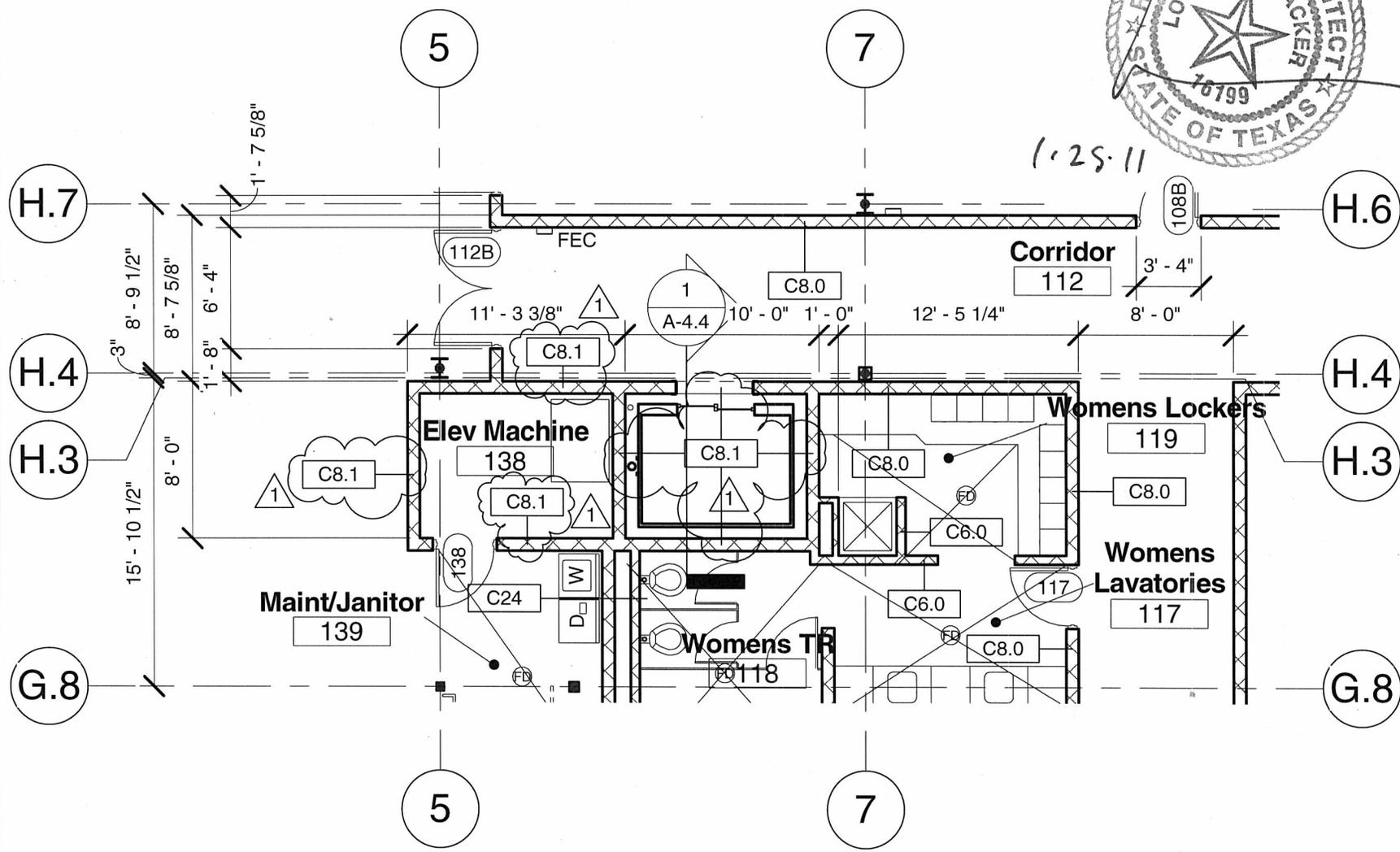
DATE:  
01/26/11  
DRAWN BY:  
RG

REVISION:  
ADDENDUM #3  
REFERENCE SHEET NUMBER:  
A-4.0

TITLE  
WALL TYPES

SHEET NUMBER

**D-3.2**



1.25.11



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COSA Fire Department  
 Logistics/Services Facility

San Antonio Fire Department  
 300 S. Callaghan Road  
 San Antonio, Texas 78227

1 FIRST FLOOR - MIDDLE TOP  
 1/8" = 1'-0"

DATE:  
01/26/10  
 DRAWN BY:  
RG  
 REVISION:  
ADDENDUM #3  
 REFERENCE SHEET NUMBER  
A-2.4

TITLE  
 FIRST FLOOR - MIDDLE  
 TOP

SHEET NUMBER

**D-3.3**



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f. 210.829.1730

**COSA Fire Department  
Logistics/Services Facility**

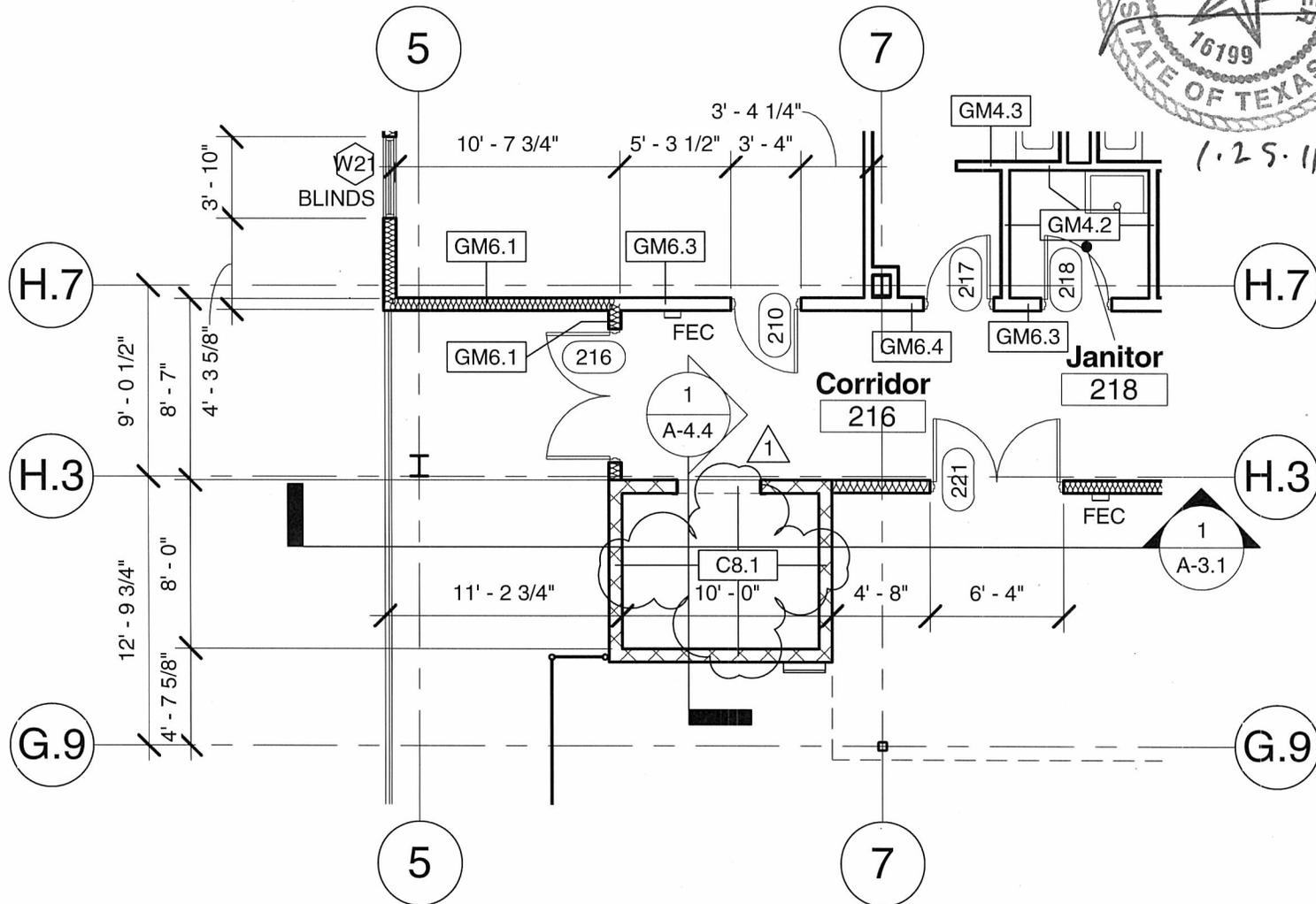
San Antonio Fire Department  
300 S. Callaghan Road  
San Antonio, Texas 78227

DATE:  
01/26/11  
DRAWN BY:  
RG  
REVISION:  
ADDENDUM #3  
REFERENCE SHEET NUMBER:  
A-2.6

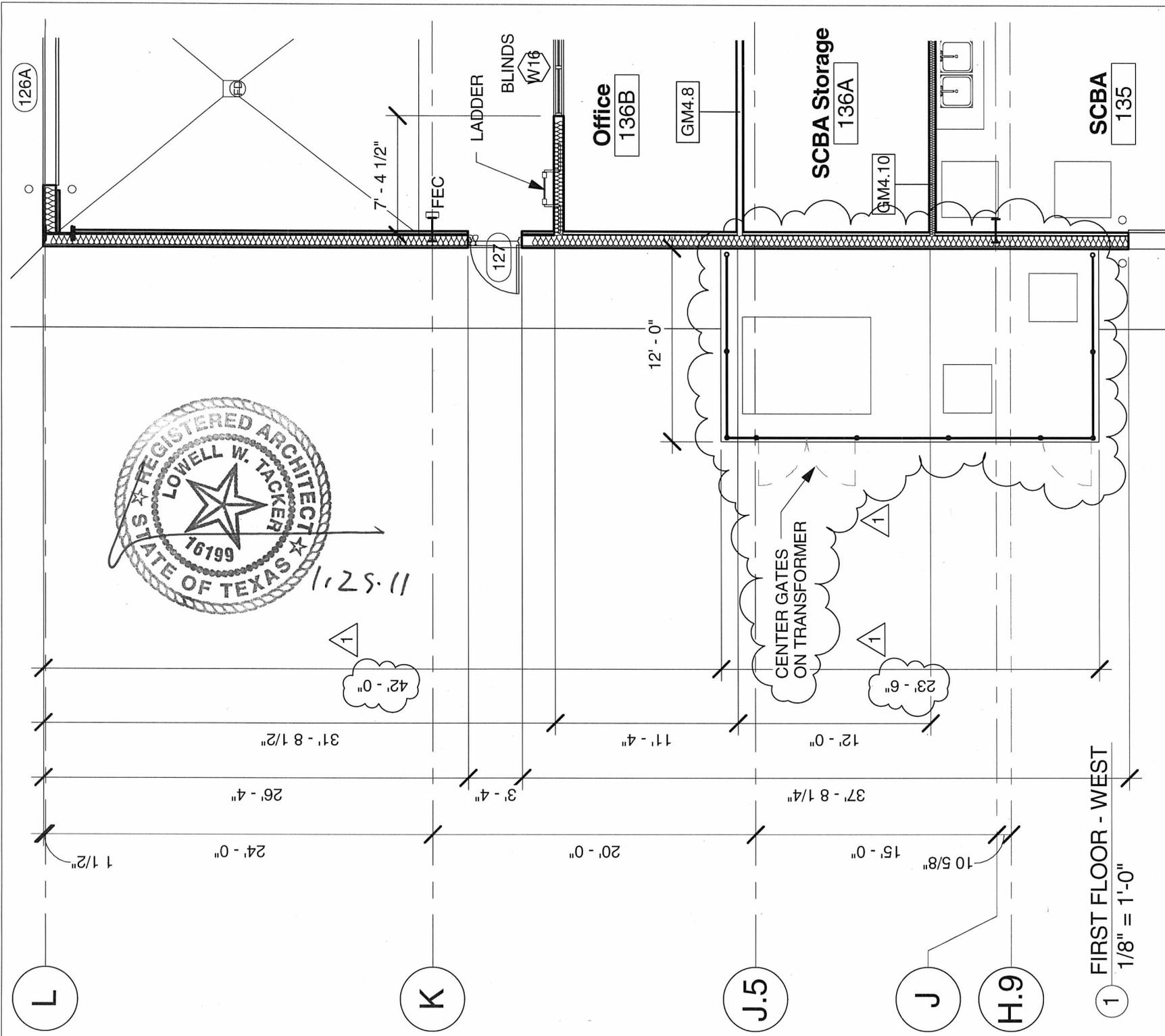
TITLE  
ENLARGED SECOND FLOOR

SHEET NUMBER

**D-3.4**



1 ENLARGED SECOND FLOOR  
1/8" = 1'-0"



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**COSA Fire Department  
 Logistics/Services Facility**

San Antonio Fire Department  
 300 S. Callaghan Road  
 San Antonio, Texas 78227

DATE: 01/26/11  
 DRAWN BY: RG  
 REVISION: ADDENDUM #3  
 REFERENCE SHEET NUMBER: A-2.3

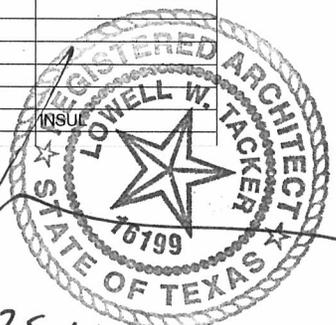
TITLE  
 FIRST FLOOR - WEST

SHEET NUMBER

**D-3.5**

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135B	N	HM	PT	3'-0"	7'-0"	1 3/4"	T	A	HM	PT	10/A6.2	10/A6.2		15	INSUL
136A	F	SC/WD	ST - (PR)	3'-0"	7'-0"	1 3/4"	--	D	HM	PT	10/A6.2	10/A6.2		09	
136B	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	W5	ALUM	CLR	14/A6.3	14/A6.3		24	
138	F	HM	PT	3'-0"	7'-0"	1 3/4"	--	A	HM	PT	9/A6.2	9/A6.2		12	INSUL
140A	N	HM	PT	3'-0"	7'-0"	1 3/4"	T	C	HM	PT	4/A6.2	8/A6.2	1/A6.2	14	INSUL
140B	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140C	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140D	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140E	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140F	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140G	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140H	N	HM	PT	3'-0"	7'-0"	1 3/4"	T	C	HM	PT	4/A6.2	8/A6.2	1/A6.2	14	ALT #2, INSUL
140J	N	HM	PT	3'-0"	7'-0"	1 3/4"	T	A	HM	PT	4/A6.2	8/A6.2	1/A6.2	07	ALT #2, INSUL
140K	N	HM	PT	3'-0"	7'-0"	1 3/4"	T	C	HM	PT	4/A6.2	8/A6.2	1/A6.2	14	ALT #2, INSUL
140L	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140M	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140N	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140P	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140Q	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140R	OH	STL	--	16'-0"	14'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #2, INSUL, VJ, VIS
140S	N	HM	PT	3'-0"	7'-0"	1 3/4"	T	C	HM	PT	4/A6.2	8/A6.2	1/A6.2	14	INSUL
141	G	HM	PT	3'-0"	7'-2"	1 3/4"	T	W6	ALUM	CLR	12/A6.3	12/A6.3		29	INSUL
143	G	HM	PT	3'-0"	7'-2"	1 3/4"	T	W6	ALUM	CLR	12/A6.3	12/A6.3		29	INSUL
144	N	HM	PT	3'-0"	7'-0"	1 3/4"	T	A	HM	PT	9/A6.2	9/A6.2		18	INSUL
145A	N	HM	PT	3'-0"	7'-0"	1 3/4"	T	C	HM	PT	4/A6.2	8/A6.2	1/A6.2	14	ALT #1, INSUL
145B	OH	STL	--	12'-0"	12'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #1, INSUL, VJ, VIS
145C	OH	STL	--	12'-0"	12'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #1, INSUL, VJ, VIS
145D	OH	STL	--	12'-0"	12'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #1, INSUL, VJ, VIS

45 MIN



Door Schedule																
Door				Door			Glazing	Frame			Details			Fire Rating	HWR Set	Door Remarks
No.	Type	Mat'l	Finish	Width	Height	Thick ness		Type	Mat'l	Finish	Frame Head	Frame Jamb	Frame Sill			
145E	OH	STL	--	12'-0"	12'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #1, INSUL, VJ, VIS	
145F	OH	STL	--	12'-0"	12'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #1, INSUL, VJ, VIS	
145G	OH	STL	--	12'-0"	12'-0"	2"	--	--	--	--	7/A6.2	6/A6.2	5/A6.2	00	ALT #1, INSUL, VJ, VIS	
145H	N	HM	PT	3'-0"	7'-0"	1 3/4"	T	C	HM	PT	4/A6.2	8/A6.2	1/A6.2	14	INSUL	
148	F	HM	PT	3'-0"	7'-0"	1 3/4"	--	C	HM	PT	4/A6.2	8/A6.2	1/A6.2	10	INSUL	
202	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	W9	ALUM	CLR	14/A6.3	14/A6.3		24		
203	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	W9	ALUM	CLR	14/A6.3	14/A6.3		24		
204	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	W9	ALUM	CLR	14/A6.3	14/A6.3		24		
205	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	W9	ALUM	CLR	14/A6.3	14/A6.3		24		
206	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	W9	ALUM	CLR	14/A6.3	14/A6.3		24		
207	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	W7	ALUM	CLR	14/A6.3	14/A6.3		24		
210	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	C	HM	PT	10/A6.2	10/A6.2		15		
211A	F	SC/WD	ST	3'-0"	7'-0"	1 3/4"	--	C	HM	PT	10/A6.2	10/A6.2		11		
211B	F	SC/WD	ST	3'-0"	7'-0"	1 3/4"	--	C	HM	PT	10/A6.2	10/A6.2		11		
212	N	SC/WD	ST - (PR)	3'-0"	7'-0"	1 3/4"	T	D	HM	PT	10/A6.2	10/A6.2		27		
213A	N	SC/WD	ST - (PR)	3'-0"	7'-0"	1 3/4"	T	D	HM	PT	10/A6.2	10/A6.2		27		
213B	OP	--	--	29'-0"	9'-0"	4"	--	--	--	--	13/A6.2					
215A	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	W7	ALUM	CLR	14/A6.3	14/A6.3		17		
215B	N	SC/WD	ST	3'-0"	7'-0"	1 3/4"	T	W8	ALUM	CLR	14/A6.3	14/A6.3		15		
216	N	HM	PT - (PR)	3'-0"	7'-0"	1 3/4"	T	D	HM	PT	10/A6.2	10/A6.2		03		
217	F	SC/WD	ST	3'-0"	7'-0"	1 3/4"	--	C	HM	PT	10/A6.2	10/A6.2		28		

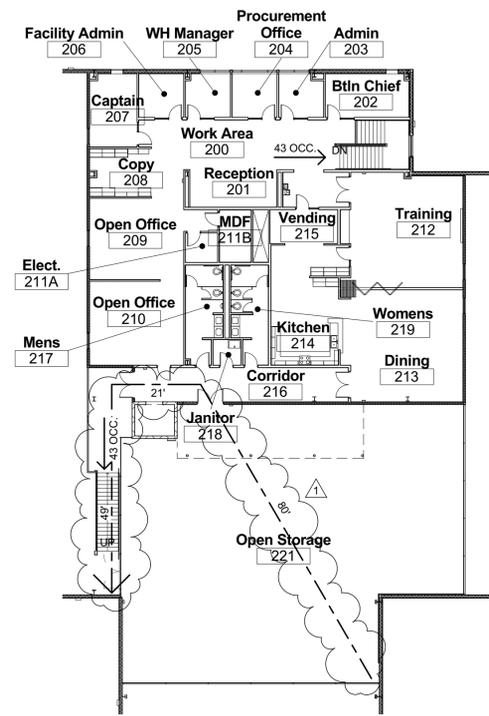
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**COSA Fire Department  
 Logistics/Services Facility**  
 San Antonio Fire Department  
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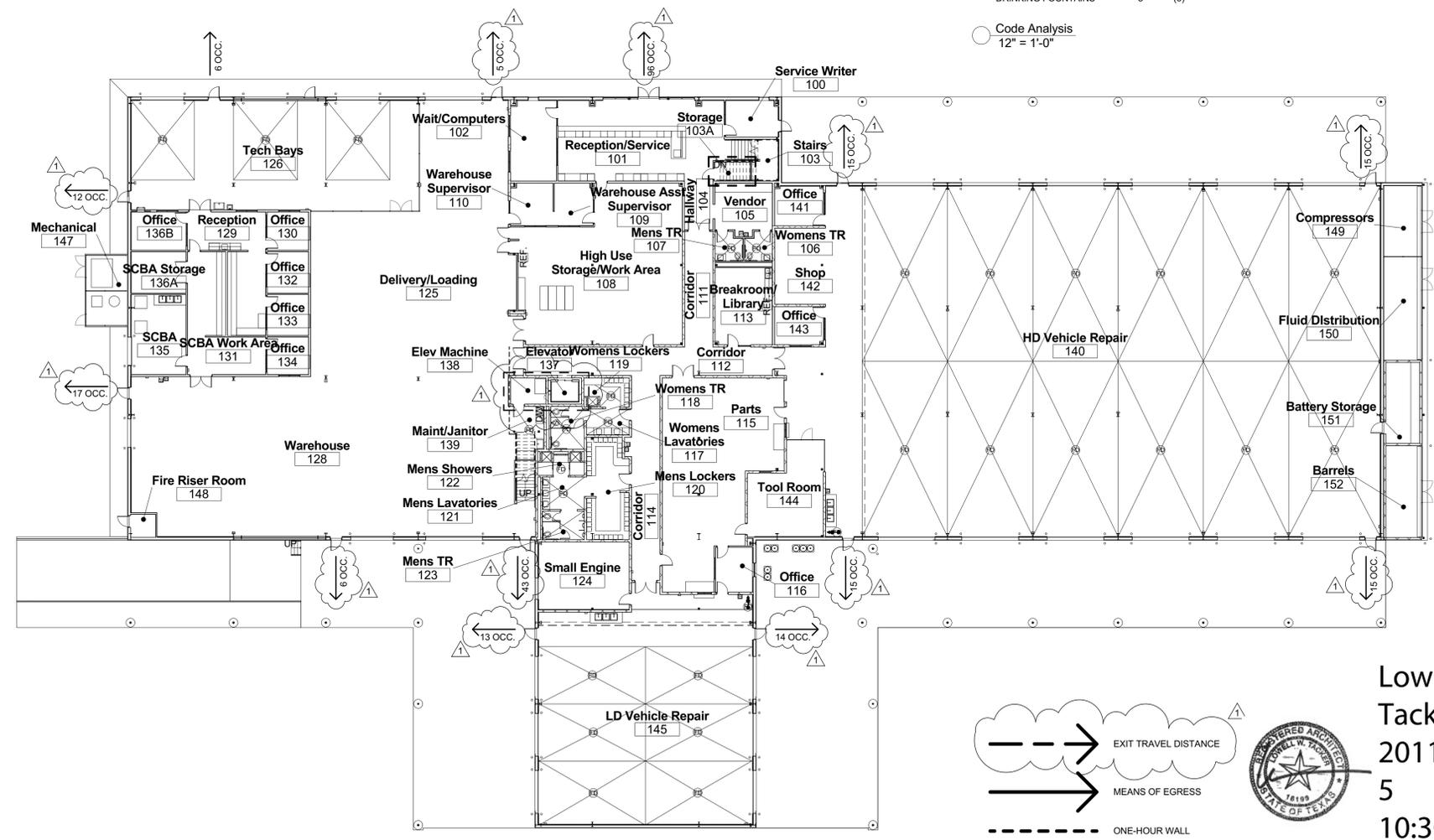
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 DRAWN BY:  
RG  
 REVISION:  
ADDENDUM #3  
 REFERENCE SHEET NUMBER:  
A-6.1

TITLE  
DOOR SCHEDULE

SHEET NUMBER  
**D-3.6**



② Code Analysis - Second Floor Plan  
1" = 20'-0"



① Code Analysis - First Floor Plan  
1" = 20'-0"

**CODE ANALYSIS**

ANALYSIS IS BASED ON THE FOLLOWING CODES:

2009 FAMILY OF INTERNATIONAL CODES  
TEXAS ACCESSIBILITY STANDARDS  
AUTOMATIC SPRINKLER SYSTEM PROVIDED PER SECTION 903.3.1.1  
CONSTRUCTION TYPE: II-B  
OCCUPANCY GROUP: S1 & B - Nonseparated Usage\*  
\* more restrictive provisions shall apply where provisions conflict per IBC

**ALLOWABLE HEIGHTS AND BUILDING AREAS (TABLE 503)**

NUMBER OF STORIES	ALLOWED	(PROVIDED)
2	UNLIMITED	(2)

ALLOWABLE AREA PER STORY  
NOTE: ALLOWABLE AREA INCREASE PER SECTION 507.4 - UNLIMITED AREA BUILDINGS  
(61,204 SF W/ Canopies)

**FIRE RESISTANCE RATINGS (TABLE 601)**

	REQUIRED	(PROVIDED)
STRUCTURAL FRAME	0	(0)
EXTERIOR BEARING WALLS	0	(N/A)
INTERIOR BEARING WALLS	0	(N/A)
EXTERIOR NON-BEARING WALLS	0	(0)
INTERIOR NON-BEARING WALLS AND PARTITIONS	0	(0)
FLOOR CONSTRUCTION	0	(0)
ROOF CONSTRUCTION	0	(0)
CORRIDORS (PER TABLE 1018.1)	0	(0)

**EGRESS**

OCCUPANT LOAD - 1ST FLOOR (TABLE 1004.1.1)

FUNCTION OF SPACE	AREA PER OCCUP.	FLOOR AREA	NUMBER OF OCCUPANTS
-BUSINESS	100 GROSS	7,719 SF	77
-WAREHOUSE	500 GROSS	11,217 SF	22
-STORAGE	300 GROSS	25,950 SF	87
			<b>186 TOTAL</b>

OCCUPANT LOAD - 2ND FLOOR (TABLE 1004.1.1)

FUNCTION OF SPACE	AREA PER OCCUP.	FLOOR AREA	NUMBER OF OCCUPANTS
-BUSINESS	100 GROSS	6,754 SF	67
-STORAGE	300 GROSS	4,795 SF	16
			<b>83 TOTAL</b>

	REQUIRED	(PROVIDED)
MAXIMUM TRAVEL DISTANCE TO EXIT (TABLE 1016.1)	250'	(150')
MAXIMUM COMMON PATH OF EGRESS TRAVEL	100'	(80')
REQUIRED STAIR WIDTH	44"	(60')
MINIMUM CORRIDOR WIDTH	44"	(96')
MINIMUM CLEAR OPENING OF EXIT DOORS	36"	(36')
AREA OF REFUGE ASSISTANCE	N/A	(N/A)

**PLUMBING CALCULATIONS**

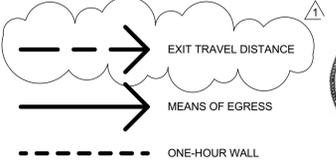
2009 INTERNATIONAL PLUMBING CODE

319 OCCUPANTS

	QTY.	WATER CLOSETS REQD (PROVIDED)	LAVATORIES REQD (PROVIDED)	URINALS ALLOWED	(PROVIDED)
MEN	160	4 (5)	3 (6)	2	(4)
WOMEN	160	4 (7)	3 (5)	N/A	(N/A)

DRINKING FOUNTAINS  
REQD (PROVIDED)  
3 (6)

○ Code Analysis  
12" = 1'-0"



○ Code Analysis - Legend  
12" = 1'-0"



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**COSA Fire Department  
Logistics/Services Facility**  
San Antonio Fire Department  
300 S. Callaghan Road  
San Antonio, Texas 78227

Revision Schedule		
Number	Date	Description
1	01/26/11	Addendum #3

DATE: July 9, 2010  
DRAWN BY: RG  
CHECKED BY: LT  
PROJECT NUMBER: 0807

SHEET NAME  
CODE ANALYSIS

SHEET NUMBER  
**A-0.4**

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**COSA Fire Department**  
**Logistics/Services Facility**  
San Antonio Fire Department  
300 S. Callaghan Road  
San Antonio, Texas 78227

Revision Schedule		
Number	Date	Description
1	01/26/11	Addendum #3

DATE: July 9, 2010  
DRAWN BY: JM/RG  
CHECKED BY: LT  
PROJECT NUMBER: 0807

SHEET NAME  
ROOF PLAN

SHEET NUMBER  
**A-2.9**

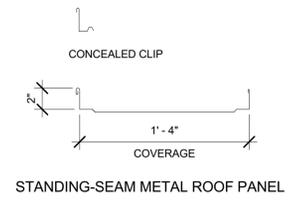
**ROOF LEGEND:**

- DS - DOWNSPOUT
- SSRC - STAINLESS STEEL ROOF CURB
- CUSTOM FABRICATED TO MATCH ROOF PROFILE
- DT - "DEKTIITE"

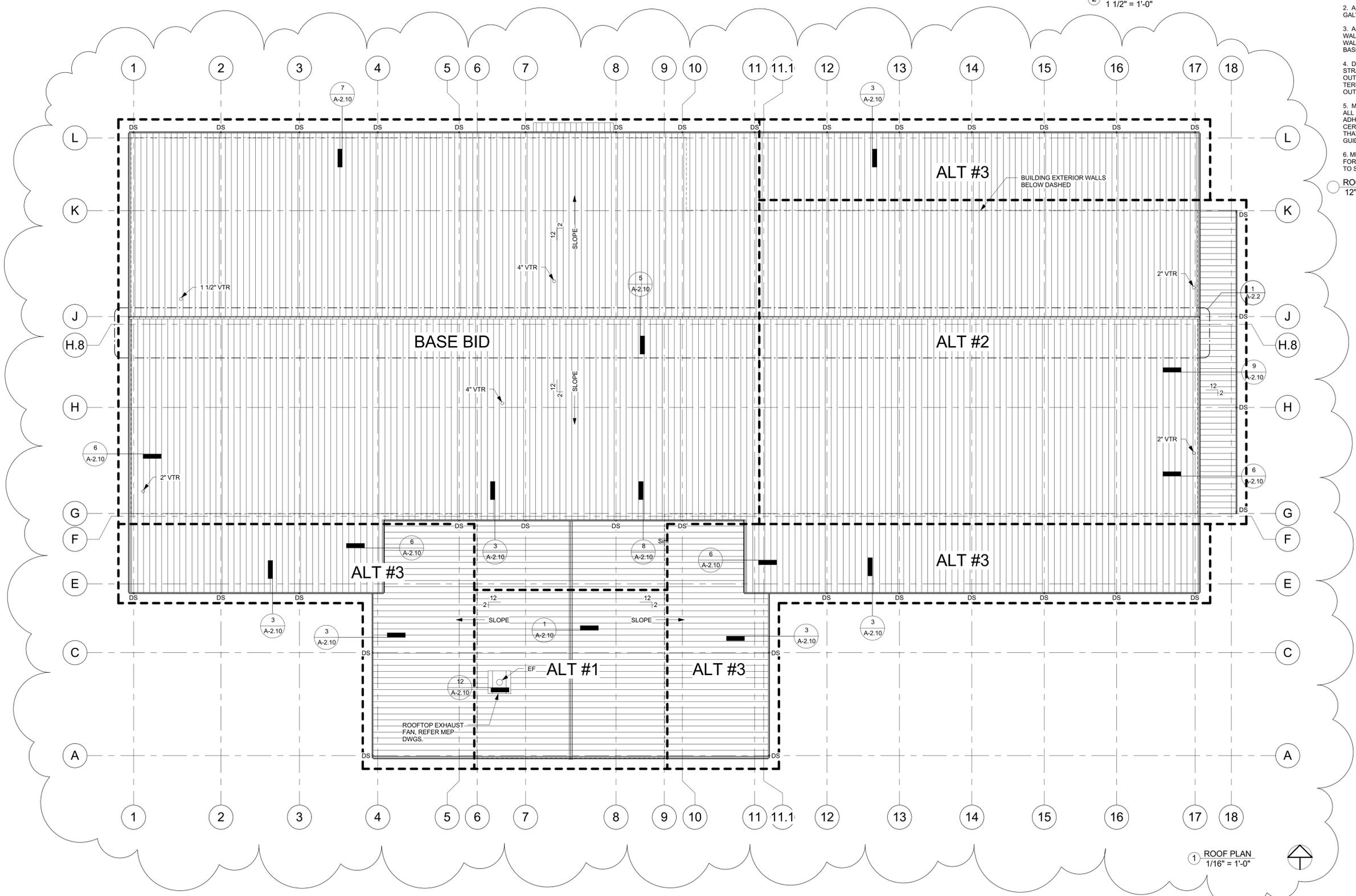
**GENERAL ROOF NOTES:**

1. ROOF PENETRATIONS SHOWN ARE SCHEMATIC IN NATURE AND FOR THE CONVENIENCE OF THE CONTRACTOR. GENERAL CONTRACTOR RESPONSIBLE FOR MAKING FINAL COORDINATION OF SIZE, TYPE AND LOCATION OF CURBS, DEKTIITES, AND ANY OTHER ROOF PENETRATION THAT MAY BE REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
2. ALL DOWNSPOUTS TO HAVE A 4" 20 GA. GALVANIZED SHEET METAL BOOT.
3. ALT#3 - DOWNSPOUTS AT COVERED WALKS TO BE TERMINATED INSIDE WALKWAY COLUMN AND RELIEVED AT BASE OF COLUMN.
4. DOWNSPOUT TERMINATION TO BE STRAIGHT SHAFT TYPE WITHOUT KICK-OUT IF POSSIBLE. DOWNSPOUTS THAT TERMINATE AT ROOFS SHALL HAVE KICK-OUTS.
5. MANUFACTURER'S REP TO INSPECT ALL ROOFING APPLICATIONS TO ENSURE ADHERENCE TO MFG. GUIDELINES AND CERTIFY TO THE GENERAL CONTRACTOR THAT ROOF IS INSTALLED PER MFG. GUIDELINES.
6. METAL ROOF PANEL PROFILES SHOWN FOR GENERAL ASSEMBLY ONLY. REFER TO SPECS FOR SYSTEM AND PROFILES.

ROOF LEGEND  
12" = 1'-0"



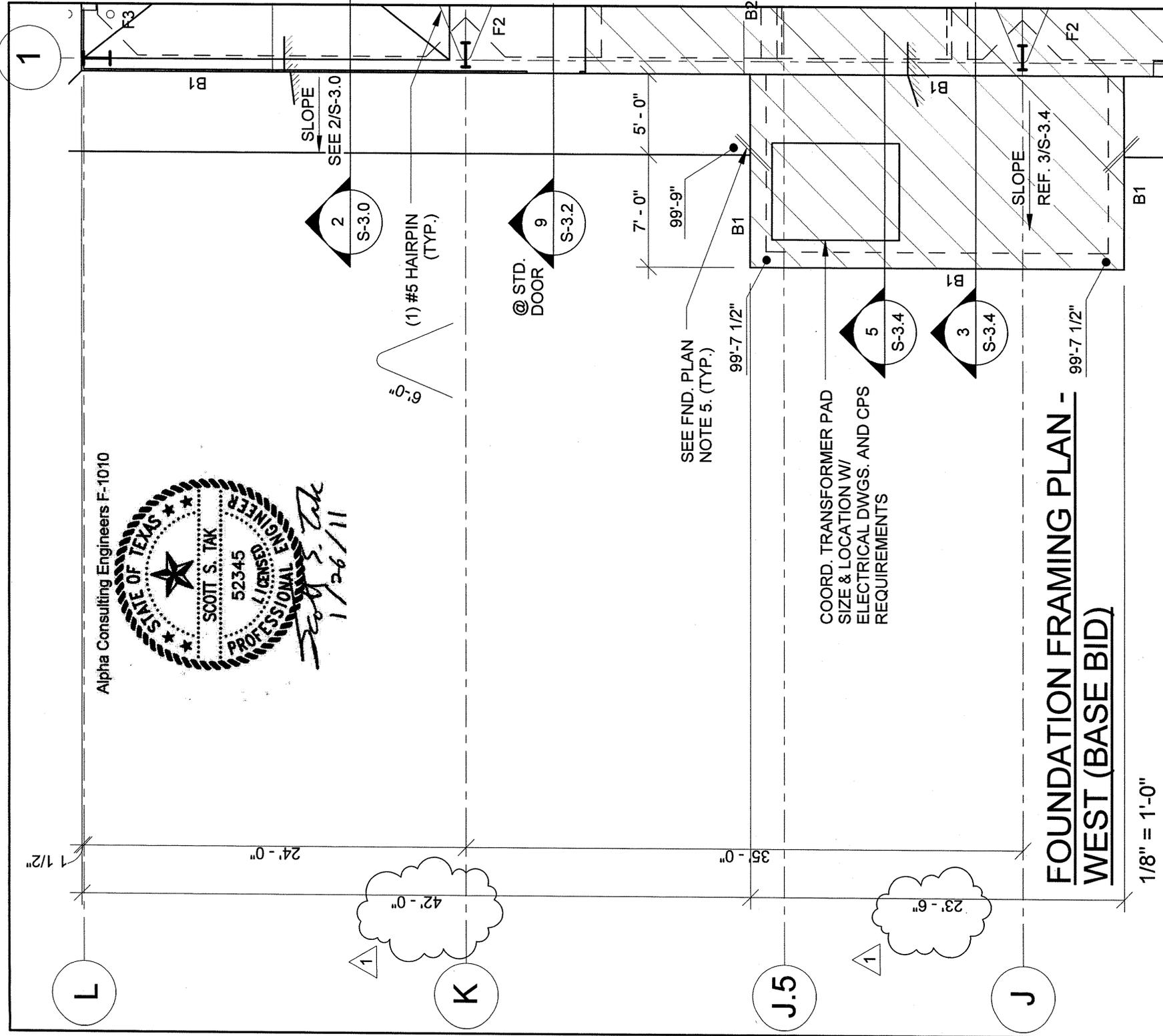
2 ROOF PANEL- STANDING SEAM  
1 1/2" = 1'-0"



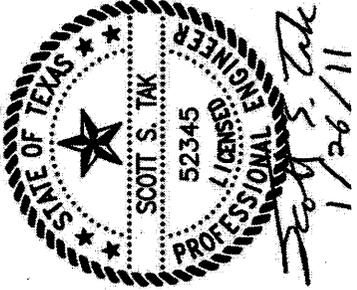
1 ROOF PLAN  
1/16" = 1'-0"



Lowell  
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Alpha Consulting Engineers F-1010



**FOUNDATION FRAMING PLAN - WEST (BASE BID)**

1/8" = 1'-0"

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 San Antonio, Texas 78227

DATE: 01/26/11
DRAWN BY: PD
REVISION: ADDENDUM #3
REFERENCE SHEET NUMBER: S-2.1

TITLE FOUNDATION FRAMING PLAN - WEST
---

SHEET NUMBER
--------------

**SD-3.1**

## ADDENDUM NO 3

January 26, 2011

Project: **Fleet Logistics and Service Facility**  
**San Antonio, Texas**

This addendum is hereby made a part of the contract documents to the same extent as though it were originally included therein. This addendum shall take precedence over the original drawings where its provisions apply.

**MEP Drawings: (Mechanical/ Electrical / Plumbing)**

Item	Reference/Description
1.	Specifications: <ol style="list-style-type: none"> <li>a. 26 25 13 Switchgear – delete requirement for TVSS and metering. Include GE and Siemens as equals.</li> <li>b. 22 13 19 Plumbing Specialties:               <ol style="list-style-type: none"> <li>i. Water Hammer Arresters. Provide in accordance with code and load rating.</li> <li>ii. Delete Floor Drain types.</li> </ol> </li> <li>c. 23 37 13 – Add paragraph 2.1. Acceptable Manufacturers, equal to product specified: Metalaire, Titus, Krueger, Price, Arrow, Ruskin.</li> <li>d. 23 09 50.1.3.D – Add Alerton, Honeywell.</li> </ol>
2.	Sheets MEP 1.1, MEP 1.2 and E2.1 at Electrical / Mechanical Equipment Pad - Change the equipment pad configuration and associated coordination between trades as indicated on the partial plan.
3.	Sheets M1.4, M1.5, M1.6 – at the CO2 sensor locations, route wire down inside column and install at 72" AFF. Route in conduit where subject to damage.
4.	Sheet E1.1 – Change fixtures AG to A1.
5.	Sheet E1.5 – Change fixtures AFE and BE to A2E.
6.	Sheet E2.1: <ol style="list-style-type: none"> <li>a. At Note 5 add "PROVIDE WITH DUPLEX RECEPTACLES 2 FT ON CENTER".</li> <li>b. Change Note 2 reference at overhead door motors to standalone note as follows: "PROVIDE CIRCUIT CONNECTION FOR GARAGE DOOR AS REQUIRED BY MANUFACTURER."</li> <li>c. Make disconnects NEMA 3R in the Warehouse, LD and HD bays.</li> <li>d. Make the light fixture in the elevator pit equal to Lithonia XWL254MV.</li> </ol>
7.	Sheet E2.2 <ol style="list-style-type: none"> <li>a. Change MDA/1,3,5 reference to HD2/1,3,5.</li> <li>b. Make disconnects NEMA 3R in the Warehouse, LD and HD bays.</li> </ol>
8.	Sheet E2.3 <ol style="list-style-type: none"> <li>a. Make disconnects NEMA 3R in the LD and HD bays.</li> <li>b. Change Note 2 reference at garage doors to Note 3, 12 locations.</li> <li>c. At the four column mount installation at lines J/12, J/14, H/12, H14:               <ol style="list-style-type: none"> <li>i. At J/12, Change W/10,12 to W/37,39.</li> <li>ii. At J/14, Change W/14,16 to W/28,30.</li> <li>iii. At H/12, Change W/6,8 to W/12,14 and W/7,9,11 to W/31,33,35.</li> <li>iv. At H/14, Change W/2,4 to W/8,10 and W/1,3,5 to W/25,27,29.</li> </ol> </li> <li>d. At Detail 2, Detail applies to 8c above as follows:               <ol style="list-style-type: none"> <li>i. Make 90A/2P circuit equal to Hubbell Pin &amp; Sleeve #HBL4100S1W mounted on box facing down at 45 degrees.</li> <li>ii. Make 90A/3P circuit equal to Hubbell Pin &amp; Sleeve #HBL5100S1W mounted on box facing down at 45 degrees.</li> <li>iii. Contractor shall visit existing installation for familiarity.</li> </ol> </li> <li>e. At Detail 3:               <ol style="list-style-type: none"> <li>i. Connect 14-50R with W/1,3,5.</li> </ol> </li> </ol>

- ii. Connect 15-50R with W/2,4,6
    - iii. Connect 18-60R with W/8,10,12.
  - f. Note 5- Connect with PB1/36,41.
  - g. Change Note 3 at EF-3 to stand alone note "PROVIDE OCP AND CIRCUIT CONNECTION FOR EQUIPMENT INDICATED."
- 9. Sheet E2.4 - Change Panel H3 reference to HD3.
- 10. Sheet E2.5
  - a. Delete Panel P2 in Vending Room.
  - b. All 15/20 amp, 125 volt receptacle in the kitchen on Sheet E2.5 shall be gfci protected as per 2008 NEC 210.8B(2). All 15/20 amp, 125 volt receptacles in the vehicle servicing areas shall be gfci protected as per 2008 NEC 511.12.
- 11. Sheets E3.1, 3.2, 3.3, 3.4, 3.5, 3.6.
  - a. All work shall be coordinated with Owners Vendors.
  - b. Security drops shall be installed as detailed on E4.3.
- 12. Sheet E4.1
  - a. Change Panel MDP breaker to HD2 to 400A.
  - b. Change wire size at notes #1 & 7 to 3/0 Cu.
  - c. Change wire size at note 2 to #6.
  - d. Change wire size at note 6 to #4.
  - e. Delete Panels L1 and L2.
  - f. Connect Panel W with Panel PB1.
  - g. Connect Panel PB3 with Panel PB2.
  - h. Change MCB reference at load analysis to MLO.
  - i. Connect Panel CU with HD2.
  - j. Delete SSR suffix from Light fixture A, AE, A1, A1E.
  - k. Change Fixtures F1, F2 series to HO-T8 lamps.
- 13. Sheet E4.2
  - a. Change Ground at Panel HD2 to #1.
  - b. Change Panel HD2 breaker to T2 to 90A/3P.
  - c. Change Panel PB1 to 800A MCB and ground conductor to 1/0.
  - d. Change Panel W breakers as follows:
    - i. 1,3,5 to 50/3.
    - ii. 2,4,6 to 50/3.
    - iii. 37,39 to 90/2
    - iv. 8,10 to 90/2
    - v. 12,14 to 90/2 instead of 30/3.
    - vi. 28,30 to 90/2.
    - vii. Provide spaces at 41,16,32.
- 14. Sheet P1.1
  - a. At Hallway 127 near column line 2, make the two fixtures indicated a P-5 and P-2C. Extend 3" SS from nearby 4" SS. Provide 2" VTR for both fixtures. Extend 3/4" HW and CW from SCBA and connect with fixture.
  - b. At SCBA 129 provide complete installation of P-6B sink. Extend 2" SS from nearby 4" SS. Provide 2" vent and connect with P-4A vent. Extend 1/2" HW and CW from SCBA.
  - c. At P-4A, Make Note 18 " PROVIDE 1/2" CW TO EDF." Connect vent with VTR in this area.
  - d. At each 4"FD-3, provide trap primer per detail 4/P2.2.
- 15. Sheet P1.2
  - a. At each 3or4"FD-3 location, provide trap primer per detail 4/P2.2.
  - b. Change Detail 2 reference to Alternate 1.

- c. Move the P-6A 3 Compartment sink shown at E.9 & 8 to E.2 & 7 where indicated on background. Extend SS, V, CW, HW to this location.
- 16. Sheet P1.3.
  - a. At each 3or4"FD-3 location, provide trap primer per detail 4/P2.2.
  - b. At Note 17, make the access manhole type.
- 17. Sheet P2.1
  - a. See the attached fixture description and detail.
  - b. At Plan 1,
    - i. Locate the SEP-1 as required by elevator code.
    - ii. Route FM piping exposed in Warehouse.
    - iii. Note 27, Change to PROVIDE 55 GAL MIN DRUM OR AS REQUIRED BY ELEATOR CODE."
- 18. Sheet P2.2, Change the Plumbing Fixture Schedule to the one attached.

END OF ADDENDUM



01/26/11

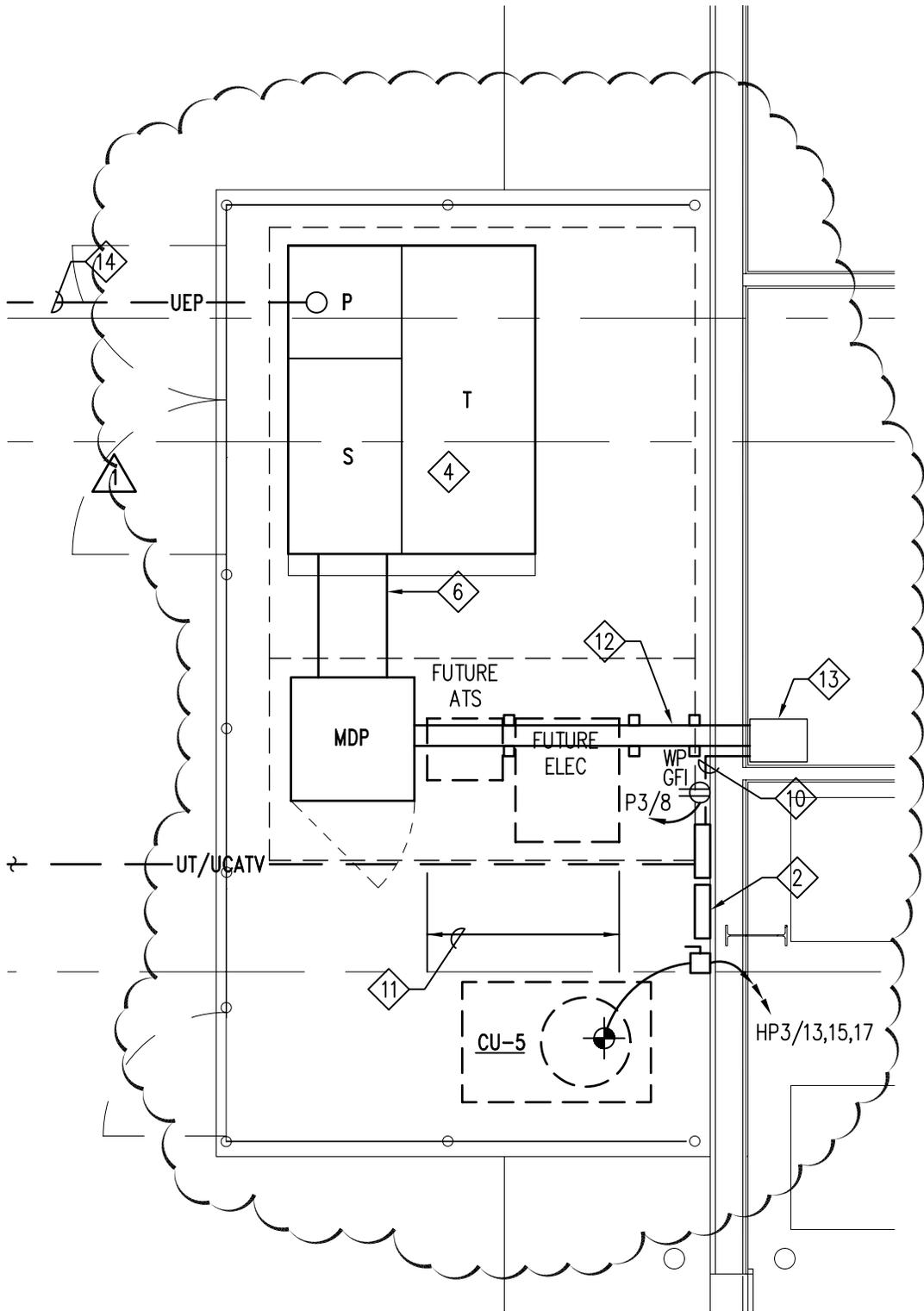
PLUMBING FIXTURE CONNECTION SCHEDULE **ADDENDUM 3**

MARK	FIXTURE	CW	HW	W	V	REMARKS
P-1	WATER CLOSET - FLR. MOUNTED FLUSH VALVE - HANDICAPPED	1"	-	4"	2"	KOHLER "WELLCOME" MODEL #K-4368; SLOAN MODEL #115-1.6; CHURCH MODEL 9500C.
P-1A	WATER CLOSET - FLR. MOUNTED FLUSH VALVE - HANDICAPPED	1"	-	4"	2"	KOHLER "HIGHCLIFF" MODEL #K-4368; SLOAN MODEL #115-1.6; CHURCH MODEL 9500C. INSTALL IN ACCORDANCE WITH A.D.A. REGULATIONS.
P-2	LAVATORY - RECTANGULAR COUNTERTOP	1/2"	1/2"	2"	1-1/2"	KOHLER "TAHOE" METAL FRAME MODEL #K-2895-8; CHICAGO FAUCET MODEL #404A; McGUIRE MODEL 155A; McGUIRE MODEL #2165LK; McGUIRE MODEL #8902.
P-2A	LAVATORY - RECTANGULAR COUNTERTOP; HANDICAPPED	1/2"	1/2"	2"	1-1/2"	KOHLER "TAHOE" METAL FRAME MODEL #K-2895-8; CHICAGO FAUCET MODEL #404A-317; McGUIRE MODEL 155A; McGUIRE MODEL #2165LK; McGUIRE MODEL #8902. McGUIRE "PROWRAP" INSULATION. INSTALL IN ACCORDANCE WITH A.D.A. REGULATIONS.
P-2B	LAVATORY - RECTANGULAR WALL HUNG; HANDICAPPED	1/2"	1/2"	2"	1-1/2"	KOHLER "GREENWICH" MODEL #K-2032; WALL HUNG. CHICAGO FAUCET MODEL #404A-317; McGUIRE MODEL 155A; McGUIRE MODEL #2165LK; McGUIRE MODEL #8902. McGUIRE "PROWRAP" INSULATION. INSTALL IN ACCORDANCE WITH A.D.A. REGULATIONS.
P-2C	LAVATORY - RECTANGULAR WALL HUNG;	1/2"	1/2"	2"	1-1/2"	KOHLER "GREENWICH" MODEL #K-2032; WALL HUNG. CHICAGO FAUCET MODEL #404A-317; McGUIRE MODEL 155A; McGUIRE MODEL #2165LK; McGUIRE MODEL #8902. McGUIRE "PROWRAP" INSULATION. INSTALL IN ACCORDANCE WITH A.D.A. REGULATIONS.
P-3	URINAL - WALL HUNG FLUSH VALVE	3/4"	-	2"	1-1/2"	KOHLER "BARDON" MODEL #K-4960-ET; SLOAN MODEL #186-1; MIFAB MODEL #MC31 HANGER.
P-3A	URINAL - WALL HUNG FLUSH VALVE - HANDICAPPED	3/4"	-	2"	1-1/2"	KOHLER "DEXTER" MODEL #K-5016-ET; SLOAN MODEL #186-1; MIFAB MODEL #MC31 HANGER. INSTALL IN ACCORDANCE WITH A.D.A. REGULATIONS.
P-4	ELECTRIC WATER COOLER - WALL HUNG SINGLE UNIT	1/2"	-	2"	1-1/2"	ELKAY MODEL #EZS8; McGUIRE MODEL #2165; McGUIRE MODEL #8902 AND MIFAB MODEL #MC32.
P-4A	ELECTRIC WATER COOLER - WALL HUNG DUAL HEIGHT	1/2"	-	2"	1-1/2"	ELKAY MODEL #EZSTL8; McGUIRE MODEL #2165; McGUIRE MODEL #8902 AND MIFAB MODEL #MC32. INSTALL IN ACCORDANCE WITH A.D.A. REGULATIONS.
P-5	MOP BASIN - FLOOR MOUNTED	1/2"	1/2"	3"	1-1/2"	STERN WILLIAMS MODEL #SB-250; CHICAGO FAUCETS MODEL #897 AND STERN WILLIAMS MODEL #BP-2 SPLASH CATCHER.
P-6	SINK - DOUBLE COMPARTMENT COUNTERTOP, HANDICAPPED	1/2"	1/2"	2"	1-1/2"	ELKAY MODEL #LRAD2918; CHICAGO FAUCETS MODEL #210-GN8A-317; McGUIRE MODEL #1151AWC; McGUIRE MODEL #2165LK; McGUIRE MODEL #8912. McGUIRE "PROWRAP" INSULATION. INSTALL IN ACCORDANCE WITH A.D.A. REGULATIONS.
P-6A	SINK - SINGLE COMPARTMENT COUNTERTOP (PROVIDE A TOTAL OF 3 SIDE BY SIDE)	1/2"	1/2"	2"	1-1/2"	ELKAY MODEL #DLR252212; CHICAGO FAUCETS MODEL #210-GN8A-317; McGUIRE MODEL #1151AWC; McGUIRE MODEL #2165LK; McGUIRE MODEL #8912.
P-7	SHOWER ENCLOSURE AND VALVE ASSEMBLY	1/2"	1/2"	2"	1-1/2"	ELKAY MODEL #HSC-143; SYMMONS MODEL #S-25-500-B30-X-V.
P-8	ICE MAKER SUPPLY BOX	1/2"	-	-	-	GUY GRAY MODEL #875.
P-8A	WASHING MACHINE SUPPLY BOX	1/2"	1/2"	2"	1-1/2"	GUY GRAY MODEL #WB-200.
P-9	EMERGENCY SHOWER/EYEWASH	1-1/4"	-	-	-	HAWS MODEL #8300.
3"FD-1	FLOOR DRAIN LIGHT DUTY	-	-	3"	1-1/2"	MIFAB MODEL #F1000-6-3.
4"FD-2	FLOOR DRAIN HEAVY DUTY	-	-	4"	2"	MIFAB MODEL #F1340-C-5-Y-14.
5",4"FD-3	FLOOR DRAIN HEAVY DUTY	-	-	4"	-	MIFAB MODEL #F1564-4.
TD-1	TRENCH DRAIN	-	-	4"	-	ABT MODEL #TFX-MHD, SLOPING SYSTEM WITH CATCH BASIN, 12"W, 06.603D, FB GRATE
TD-2	TRENCH DRAIN	-	-	4"	-	ABT MODEL #TFX-MHD, SLOPING SYSTEM WITH CATCH BASIN, 12"W, 06.603D, FB GRATE



01/26/11

*C.A. Gonzalez*



2

# ENLARGED MECH/ELECT. EQUIPMENT YARD'

SCALE: 1/4" = 1'-0"

*A.A. Gonzalez* 01/19/11



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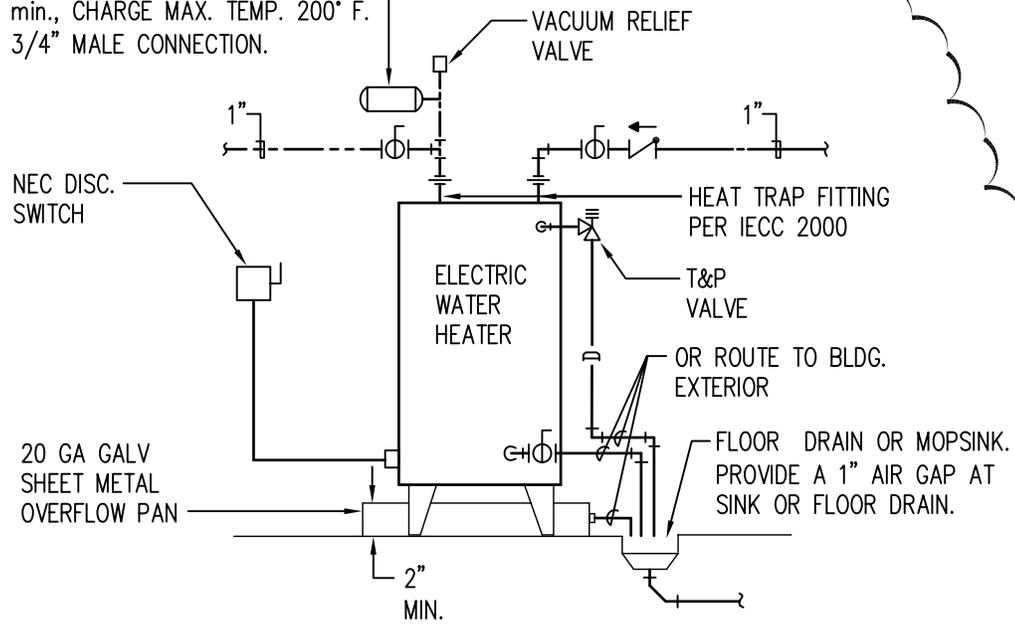
TITLE: Fleet Logistic/Services Facility  
City of San Antonio Fire Department  
300 E. Callaghan Road  
San Antonio, Texas 78227

DATE: 1/10/11

DWG: 1 BACKGROUND CHANGE

1

ASME BLADDER TYPE EXPANSION TANK EQUAL TO A WATTS MODEL DEFA-12-M1, 4.5 GAL., 40psi min., CHARGE MAX. TEMP. 200° F. 3/4" MALE CONNECTION.



11

# DETAIL - WATER HEATER

SCALE: NTS

*A.A. Gonzalez* 01/19/11

**A. A. GONZALEZ  
ENGINEERING, INC.**  
 6601 BLANCO RD. SUITE #220 (210) 494-9200  
 SAN ANTONIO, TX 78216 (FAX) (210) 341-6458

TITLE: Fleet Logistic/Services Facility  
 City of San Antonio Fire Department  
 300 E. Callaghan Road  
 San Antonio, Texas 78227

DATE: 1/10/11  
 DWG: 1 COSA

