

# CITY OF ALBUQUERQUE

Planning Department  
Brennon Williams, Director



Mayor Timothy M. Keller

October 18, 2019

David Aube, P.E.  
Hartman & Majewski Design Group  
120 Vassar Dr SE, Suite 100  
Albuquerque, NM, 87106

**RE: De Anza – Bldg D & E**  
**4301 Central Ave NE**  
**Permanent C.O. – Accepted**  
**Engineer’s Stamp Date: 12/13/17**  
**Engineer’s Certification Date: 10/15/19**  
**Hydrology File: K17D106**

PO Box 1293

Dear Mr. Aube:

Albuquerque

Based on the Certification received 10/16/19 and site visit on 10/18/19, this certification is approved in support of Permanent Release of Occupancy by Hydrology.

If you have any questions, please contact me at 924-3995 or [rbrissette@cabq.gov](mailto:rbrissette@cabq.gov).

NM 87103

Sincerely,

A handwritten signature in purple ink that reads 'Renée C. Brissette'.

www.cabq.gov

Renée C. Brissette, P.E. CFM  
Senior Engineer, Hydrology  
Planning Department



# City of Albuquerque

Planning Department

Development & Building Services Division

## DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

**Project Title:** \_\_\_\_\_ **Building Permit #:** \_\_\_\_\_ **Hydrology File #:** \_\_\_\_\_

**DRB#:** \_\_\_\_\_ **EPC#:** \_\_\_\_\_ **Work Order#:** \_\_\_\_\_

**Legal Description:** \_\_\_\_\_

**City Address:** \_\_\_\_\_

**Applicant:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

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

**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Owner:** \_\_\_\_\_ **Contact:** \_\_\_\_\_

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

**Phone#:** \_\_\_\_\_ **Fax#:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**TYPE OF SUBMITTAL:** \_\_\_\_\_ PLAT ( \_\_\_ # OF LOTS) \_\_\_\_\_ RESIDENCE \_\_\_\_\_ DRB SITE \_\_\_\_\_ ADMIN SITE

IS THIS A RESUBMITTAL?: \_\_\_\_\_ Yes \_\_\_\_\_ No

**DEPARTMENT:** \_\_\_\_\_ TRAFFIC/ TRANSPORTATION \_\_\_\_\_ HYDROLOGY/ DRAINAGE

Check all that Apply:

**TYPE OF SUBMITTAL:**

- \_\_\_\_\_ ENGINEER/ARCHITECT CERTIFICATION
- \_\_\_\_\_ PAD CERTIFICATION
- \_\_\_\_\_ CONCEPTUAL G & D PLAN
- \_\_\_\_\_ GRADING PLAN
- \_\_\_\_\_ DRAINAGE MASTER PLAN
- \_\_\_\_\_ DRAINAGE REPORT
- \_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- \_\_\_\_\_ ELEVATION CERTIFICATE
- \_\_\_\_\_ CLOMR/LOMR
- \_\_\_\_\_ TRAFFIC CIRCULATION LAYOUT (TCL)
- \_\_\_\_\_ TRAFFIC IMPACT STUDY (TIS)
- \_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_
- \_\_\_\_\_ PRE-DESIGN MEETING?

**TYPE OF APPROVAL/ACCEPTANCE SOUGHT:**

- \_\_\_\_\_ BUILDING PERMIT APPROVAL
- \_\_\_\_\_ CERTIFICATE OF OCCUPANCY
- \_\_\_\_\_ PRELIMINARY PLAT APPROVAL
- \_\_\_\_\_ SITE PLAN FOR SUB'D APPROVAL
- \_\_\_\_\_ SITE PLAN FOR BLDG. PERMIT APPROVAL
- \_\_\_\_\_ FINAL PLAT APPROVAL
- \_\_\_\_\_ SIA/ RELEASE OF FINANCIAL GUARANTEE
- \_\_\_\_\_ FOUNDATION PERMIT APPROVAL
- \_\_\_\_\_ GRADING PERMIT APPROVAL
- \_\_\_\_\_ SO-19 APPROVAL
- \_\_\_\_\_ PAVING PERMIT APPROVAL
- \_\_\_\_\_ GRADING/ PAD CERTIFICATION
- \_\_\_\_\_ WORK ORDER APPROVAL
- \_\_\_\_\_ CLOMR/LOMR
- \_\_\_\_\_ FLOODPLAIN DEVELOPMENT PERMIT
- \_\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_

**DATE SUBMITTED:** \_\_\_\_\_ **By:** \_\_\_\_\_

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_\_

FEE PAID: \_\_\_\_\_



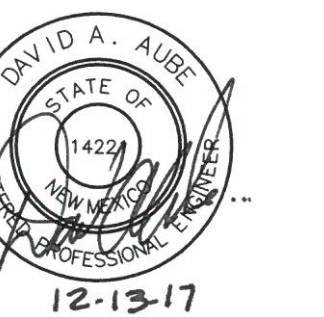


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CONSULTANT

STAMP



100% CONSTRUCTION DOCUMENT SUBMITTAL

PROJECT NAME

DE ANZA MOTOR LODGE

4301 CENTRAL AVENUE NE  
 ALBUQUERQUE, NM 87108

REVISIONS

NO.	DATE	DESCRIPTION

Copyright: Design Group

Drawn by	DAA
Checked by	DAA
Date	OCTOBER 25, 2017
Project number	2500

SHEET TITLE

GRADING AND DRAINAGE PLAN

SHEET NUMBER

**CD2**

**Broad Crested Weir Calculation**  
 $Q=Cwb \cdot b \cdot (g)^{1/2} \cdot ((2/3)^{1.5}) \cdot (H^3)^{1/2}$

	Pond A	Pond B	Pond C
Flow Rate (Q, cfs)=	8.5	2.61	1.87
Height of Water Over Weir (H)	0.5	0.5	0.5
Height of Water Block (Pw)	1.5	1.5	1.5
Weir Block Coefficient (Cwb)=	0.56	0.56	0.56
Width (b,ft)=	6	2	2
Height of Weir (H, ft)=	0.54	0.50	0.36

**Sidewalk Culvert Calculation**

$Q=k/n \cdot A \cdot R^{2/3} \cdot S^{1/2}$

Depth of Curb (ft)	0.5
Width of Culvert (ft)	2
Conversion Coefficient (k)=	1.486
Manning's Roughness Coefficient (n)=	0.013
Cross Sectional Area of Fluid Flow (A)=	1
Wetted Perimeter (P)=	3
Hydraulic Radius (R)=	0.33
Slope (S)=	0.01
Max Flow Rate (Q)=	5.50
Number of Culverts (#c)	3.00
Max with # of Culverts	16.49

Drainage Certification (K17D106)

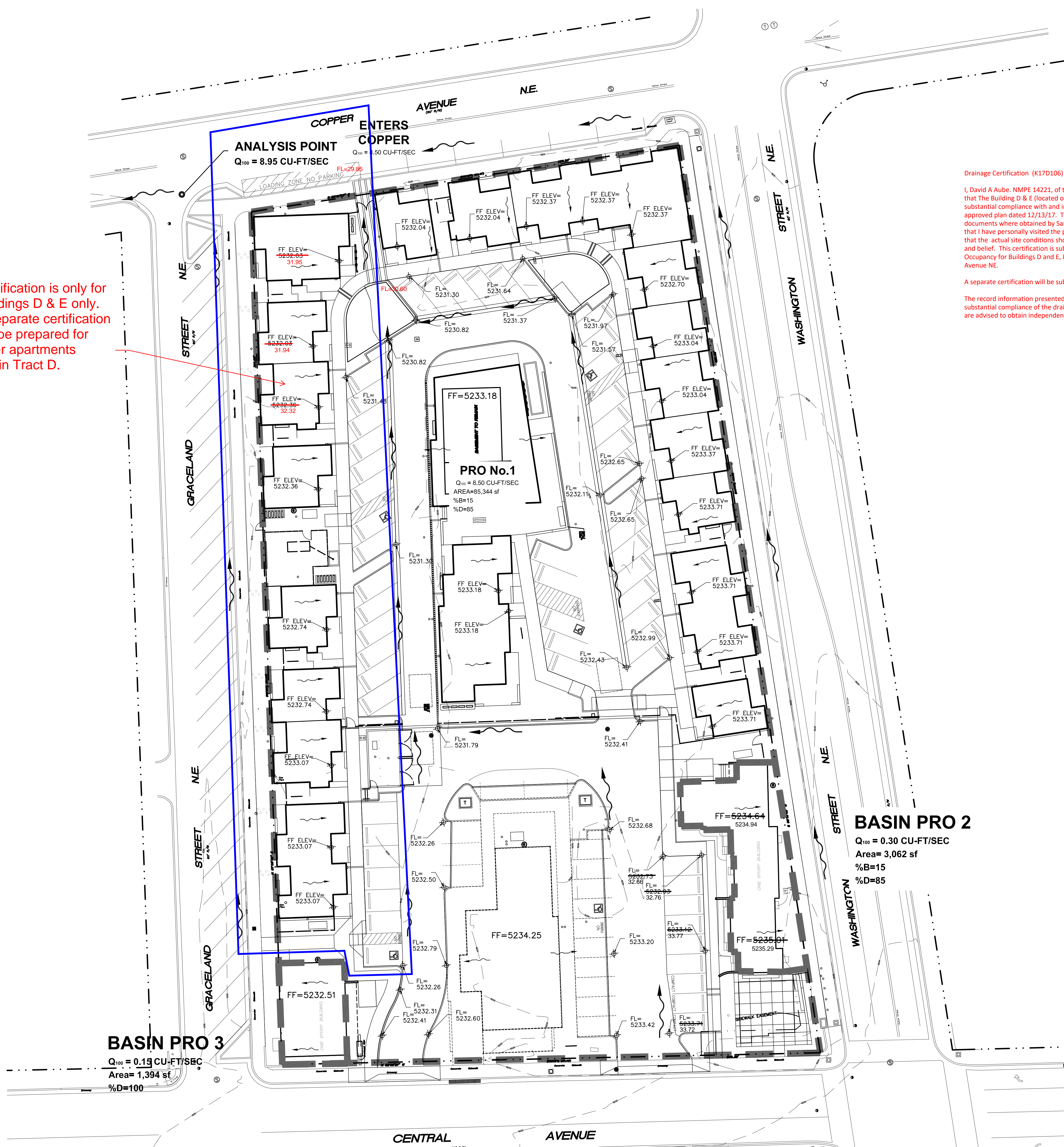
I, David A Aube, NMPE 14221, of the firm The Hartman + Majewski Design Group, Inc. hereby certify that The Building D & E (located on Tract D) of the De Anza project (4301 Central Avenue NE) is in substantial compliance with and in accordance with the design intent of the Grading and Drainage plan approved plan dated 12/13/17. The record information that has been edited onto the original design documents where obtained by Sandia Land Surveying LLC (Andrew Medina NM PS # ). I further certify that I have personally visited the project site on Oct. 10, 2019 and have determined by visual inspection that the actual site conditions shown on this plan to be true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certificate of Occupancy for Buildings D and E, Located on Tract D of the De Anza Project located at 4301 Central Avenue NE.

A separate certification will be submitted for the remaining apartment buildings on site.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the drainage aspects of this project. Those relying on the record documents are advised to obtain independent verification of its accuracy before using it for any other purpose.



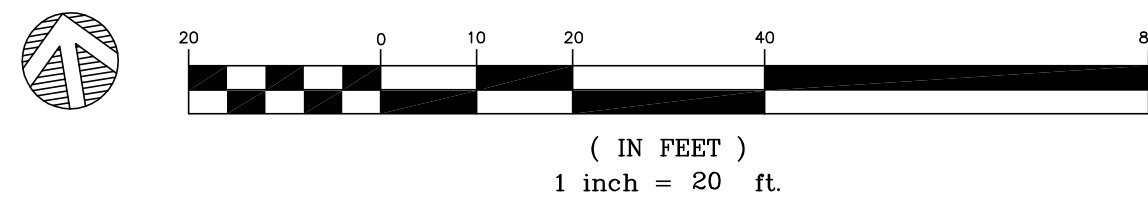
Certification is only for Buildings D & E only. A separate certification will be prepared for other apartments within Tract D.



**BASIN PRO 3**  
 $Q_{100} = 0.19$  CU-FT/SEC  
 Area= 1,394 sf  
 %D=100

**BASIN PRO 2**  
 $Q_{100} = 0.30$  CU-FT/SEC  
 Area= 3,062 sf  
 %B=15  
 %D=85

GRAPHIC SCALE



**A1 GRADING AND DRAINAGE PLAN**

SCALE: 1" = 20'-0"

12/17/2016 5:33:40 PM



GRADING PLAN GENERAL NOTES

1. SEE SHEET C-G01 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINETYPE LEGEND THAT APPLY TO ALL SHEETS.



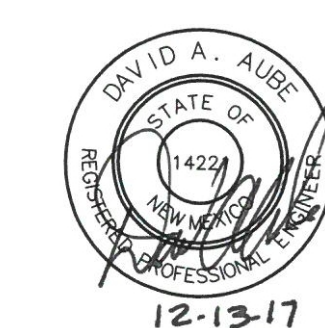
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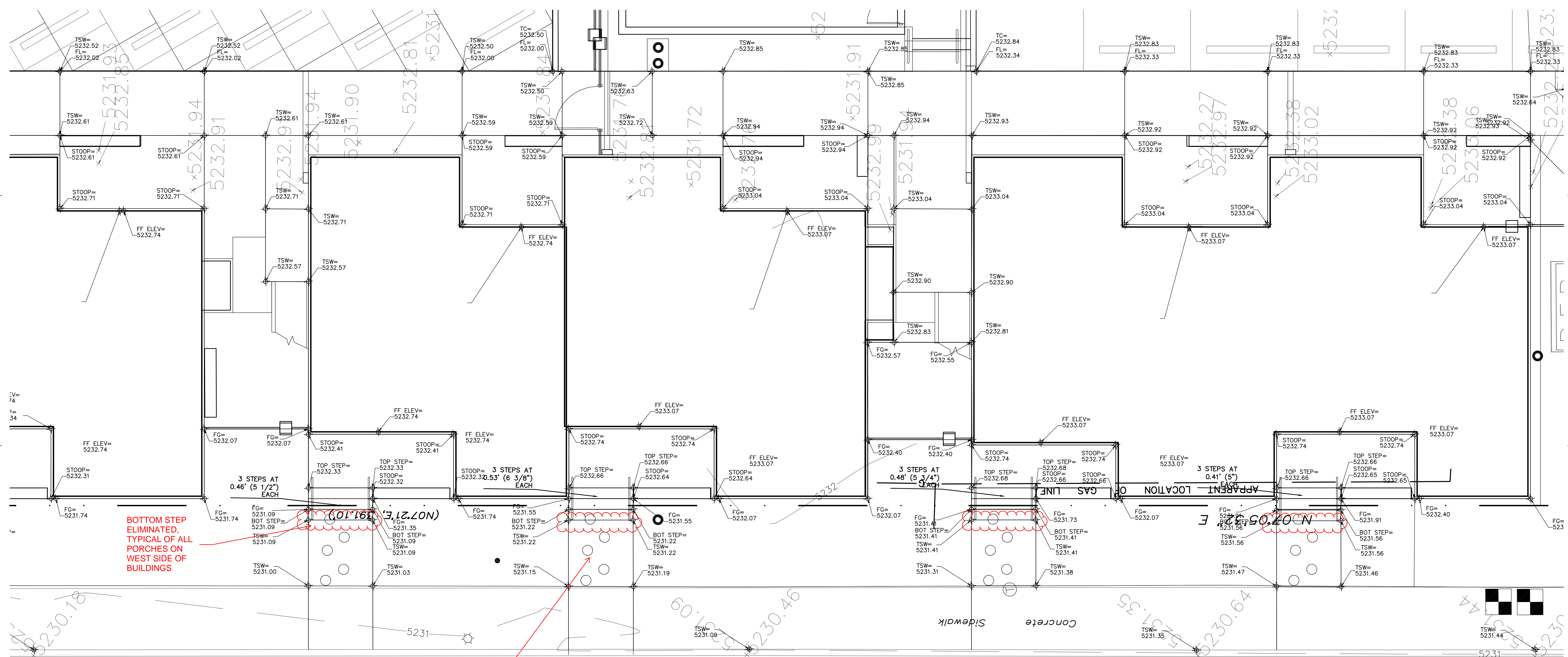


100% CONSTRUCTION DOCUMENT SUBMITTAL

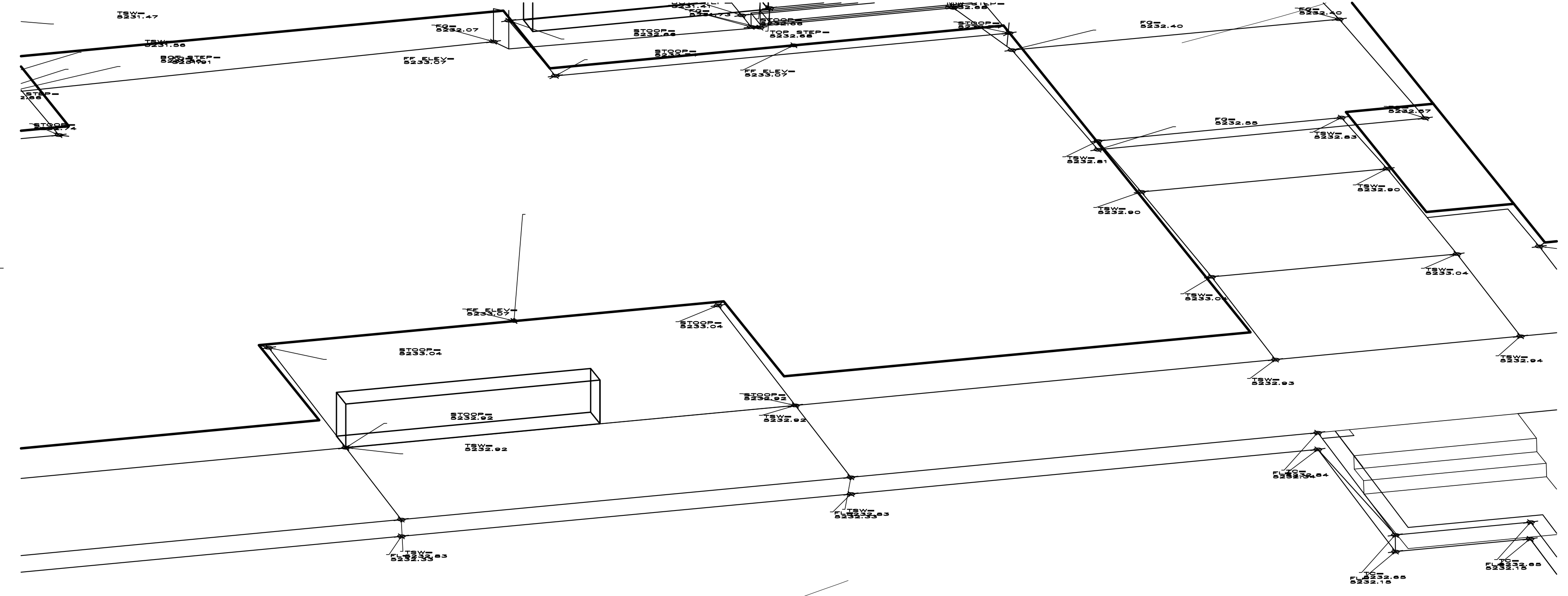
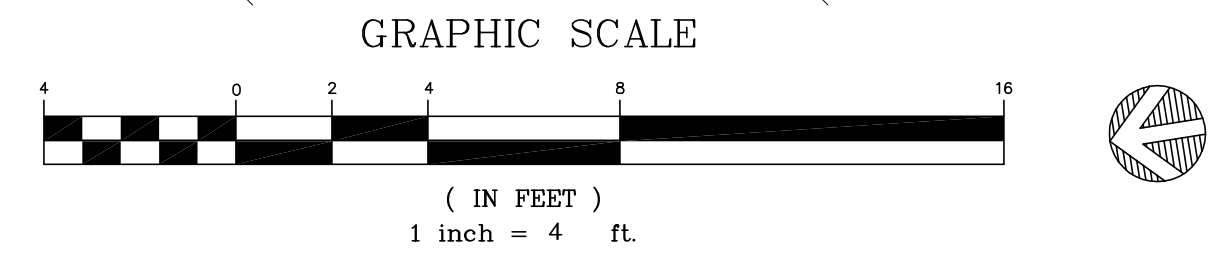
PROJECT NAME

DE ANZA MOTOR LODGE

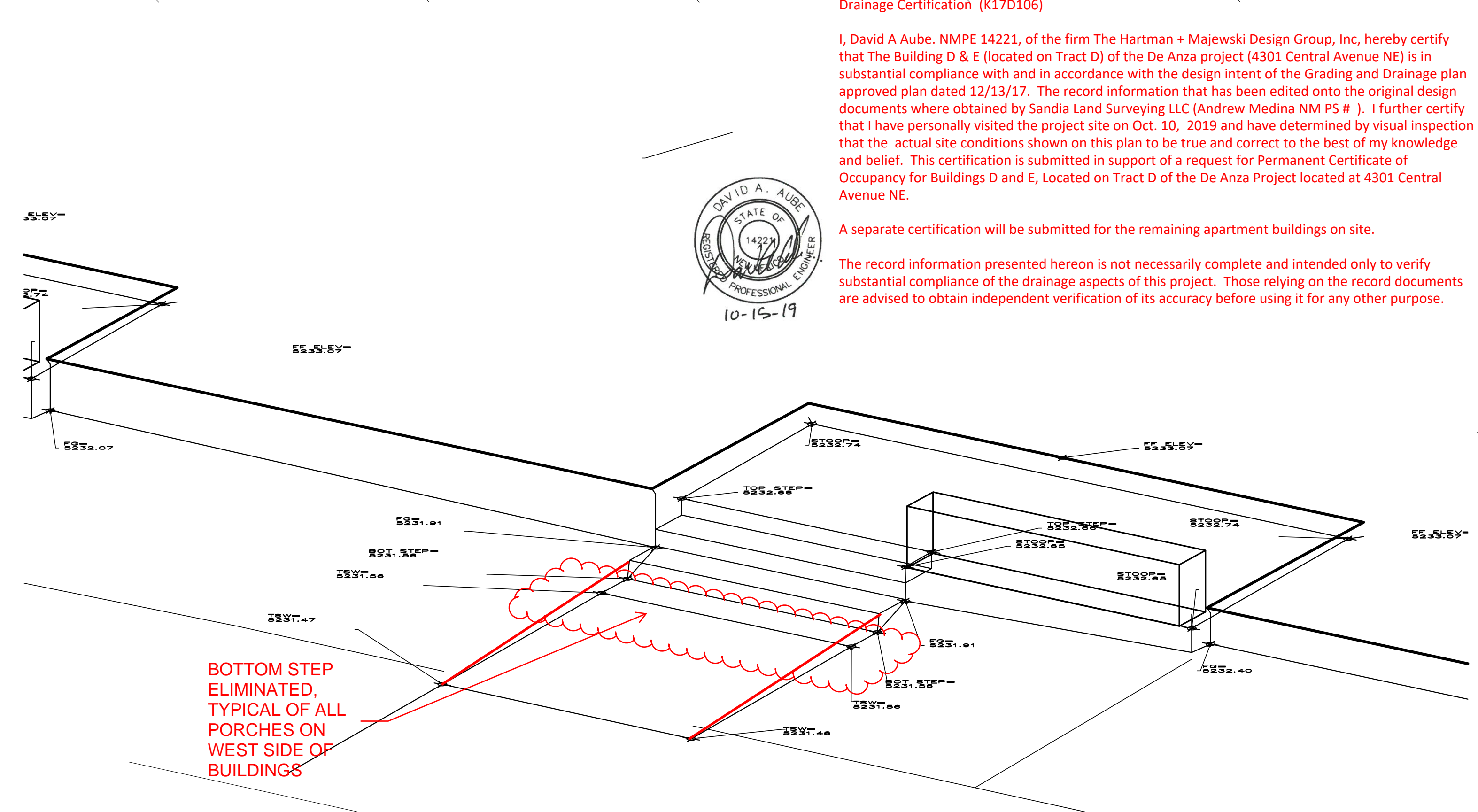
4301 CENTRAL AVENUE NE ALBUQUERQUE, NM 87108



B1 ENLARGED BUILDING D GRADING PLAN



A1 AXONOMETRIC OF AUTOCOURT PORCH AT BLDG D



A4 AXONOMETRIC OF STREET PORCH AT BLDG D

Drainage Certification (K17D106)

I, David A. Aube, NMPE 14221, of the firm The Hartman + Majewski Design Group, Inc. hereby certify that the Building D & E (located on Tract D) of the De Anza project (4301 Central Avenue NE) is in substantial compliance with and in accordance with the design intent of the Grading and Drainage plan approved plan dated 12/13/17. The record information that has been edited onto the original design documents where obtained by Sandia Land Surveying LLC (Andrew Medina NM PS # ). I further certify that I have personally visited the project site on Oct. 10, 2019 and have determined by visual inspection that the actual site conditions shown on this plan to be true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for Permanent Certificate of Occupancy for Buildings D and E, located on Tract D of the De Anza Project located at 4301 Central Avenue NE.

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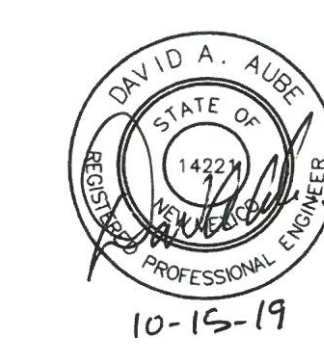


Table with columns for NO., DATE, and DESCRIPTION. Includes entry for 12.13.17 ADDENDUM 02.

Table with columns for Drawn by, Checked by, Date, and Project number. Includes entry for Date: OCTOBER 25, 2017.

SHEET TITLE: ENLARGED BUILDING D GRADING PLAN. SHEET NUMBER: C-204



**GRADING PLAN GENERAL NOTES**

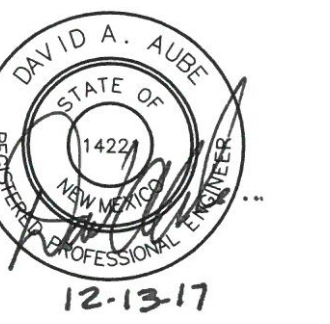
I. SEE SHEET C-G01 FOR COMPLETE LIST OF GENERAL NOTES AND SYMBOL/LINE TYPE LEGEND THAT APPLY TO ALL SHEETS.



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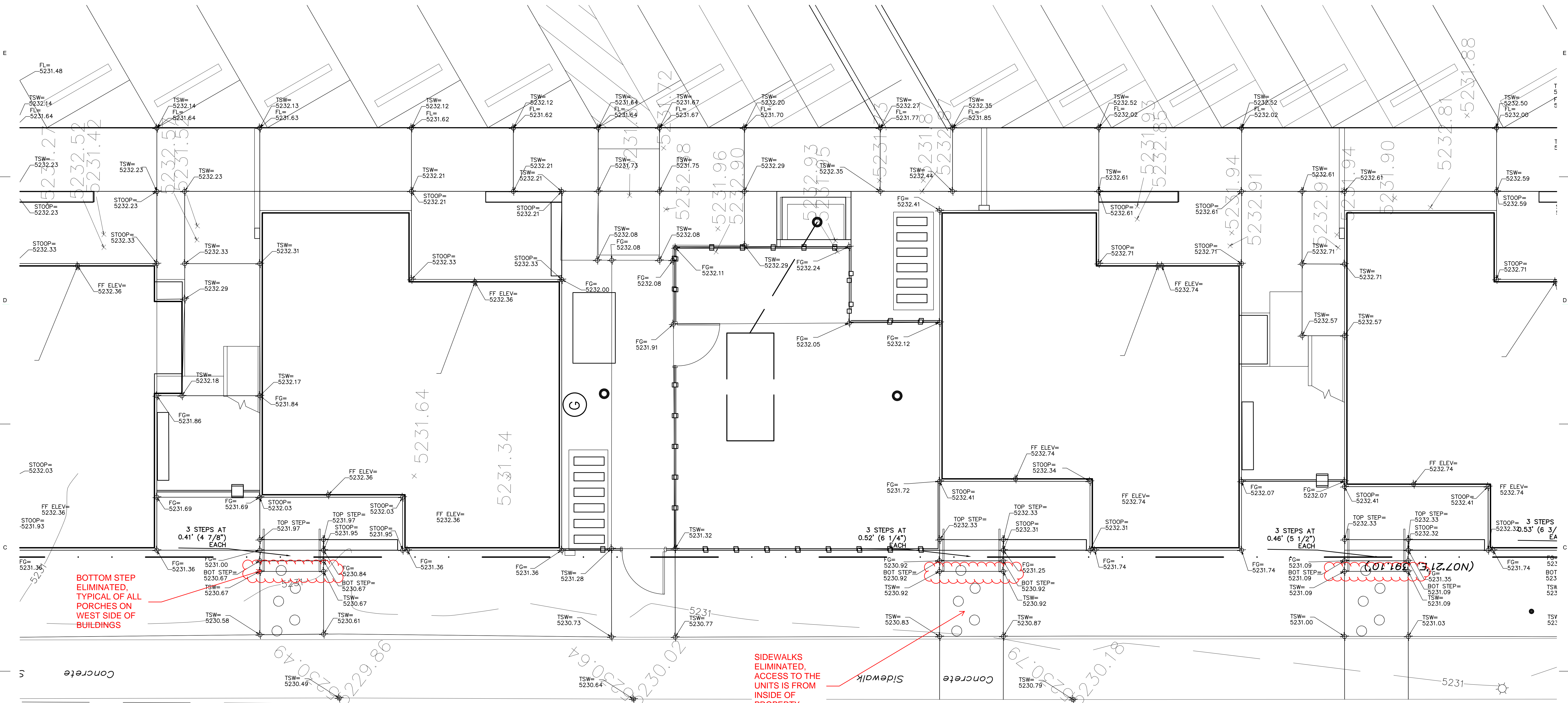
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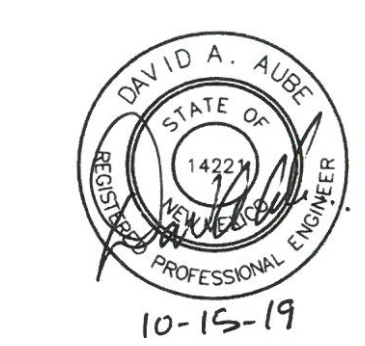
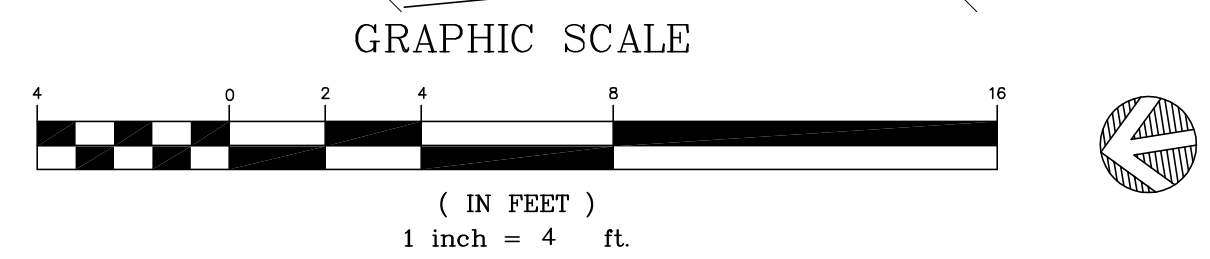
100% CONSTRUCTION DOCUMENT SUBMITTAL

PROJECT NAME  
**DE ANZA MOTOR LODGE**

4301 CENTRAL AVENUE NE  
 ALBUQUERQUE, NM 87108



**B1 ENLARGED BUILDING D & E GRADING PLAN**  
 1/8" = 1'

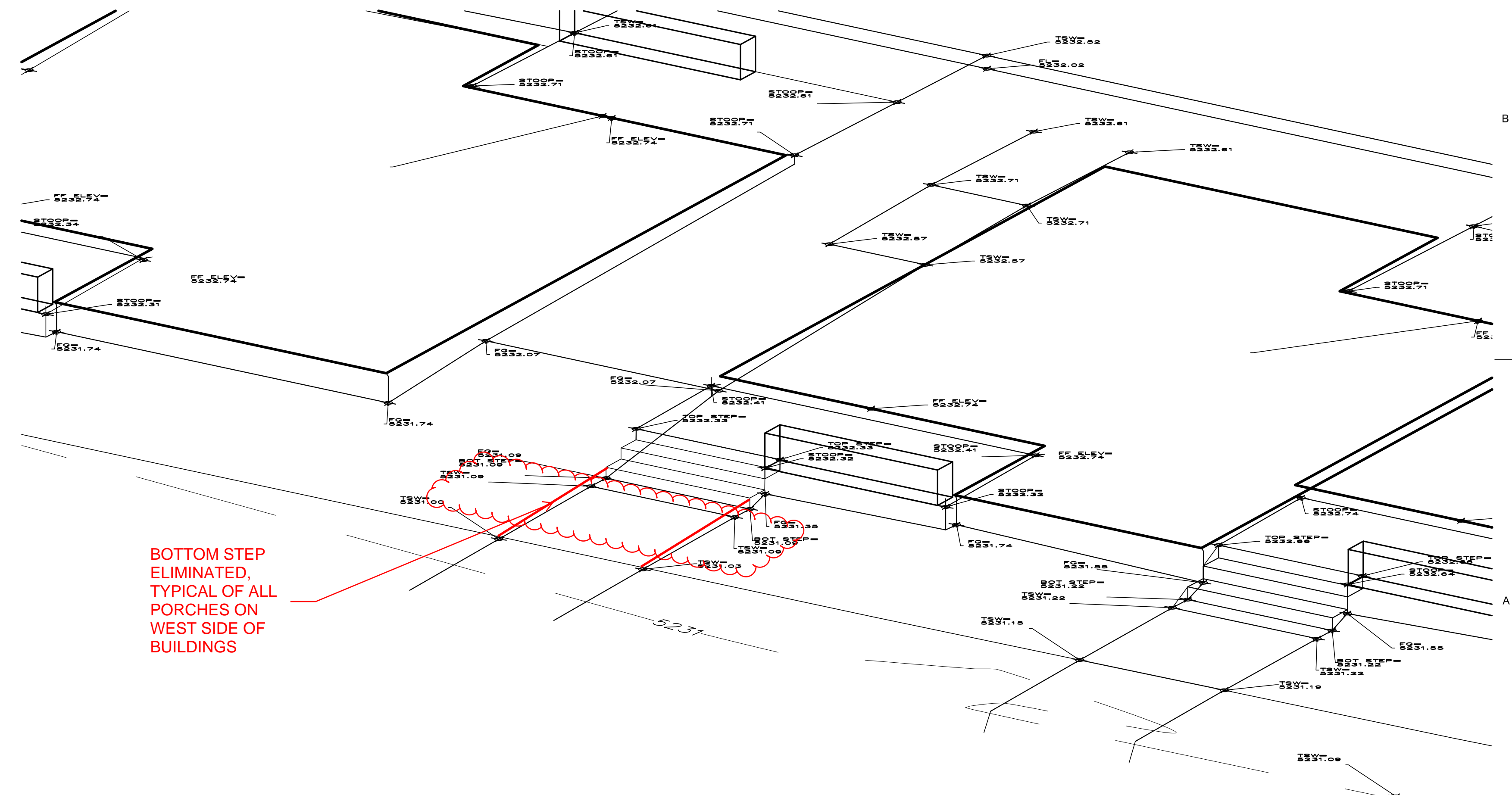
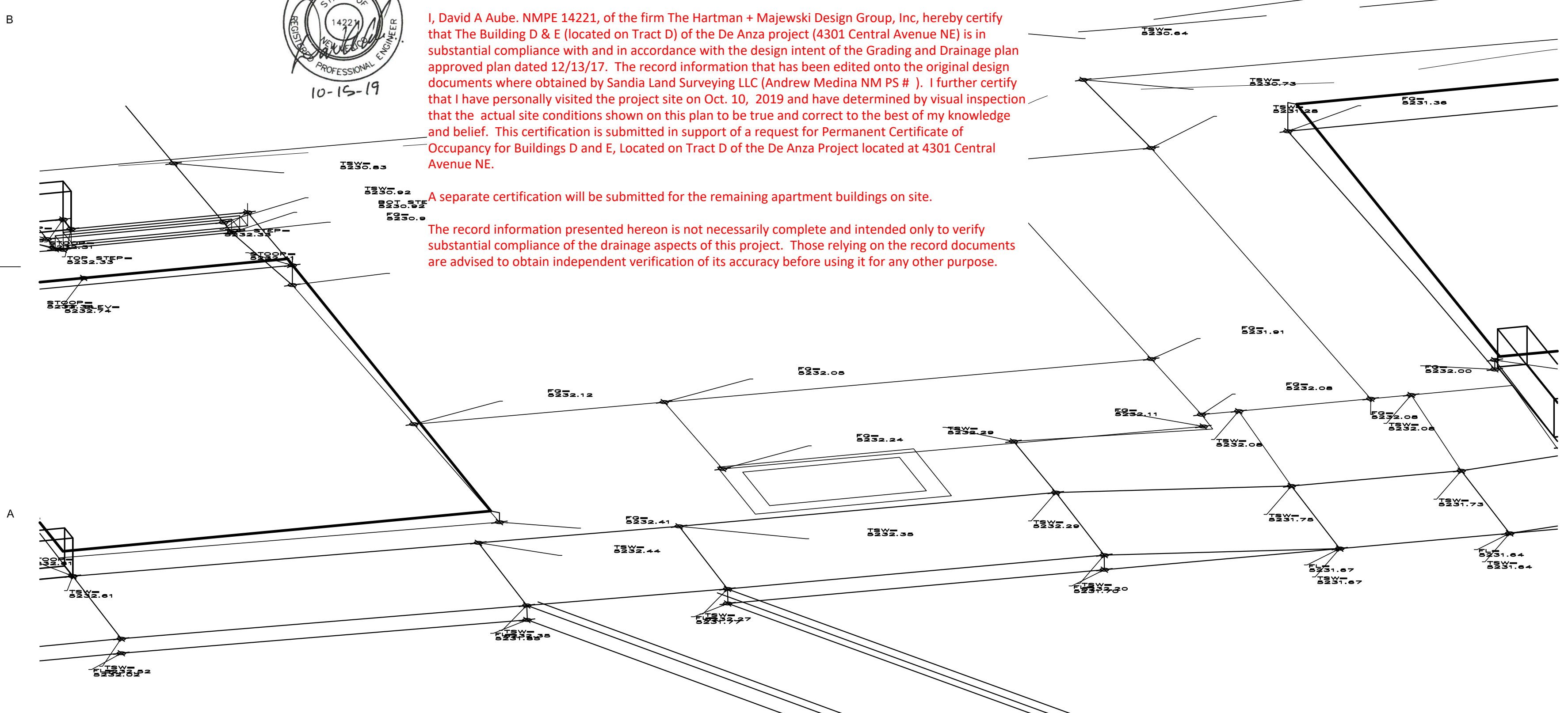


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REVISIONS

NO.	DATE	DESCRIPTION
1	12.13.17	ADDENDUM 02

Copyright: Design Group

Drawn by: DAA  
 Checked by: DAA  
 Date: OCTOBER 25, 2017  
 Project number: 2500

SHEET TITLE  
**ENLARGED BUILDING D & E GRADING PLAN**

SHEET NUMBER  
**C-205**

12/17/2016 5:33:40 PM



**GRADING PLAN GENERAL NOTES**

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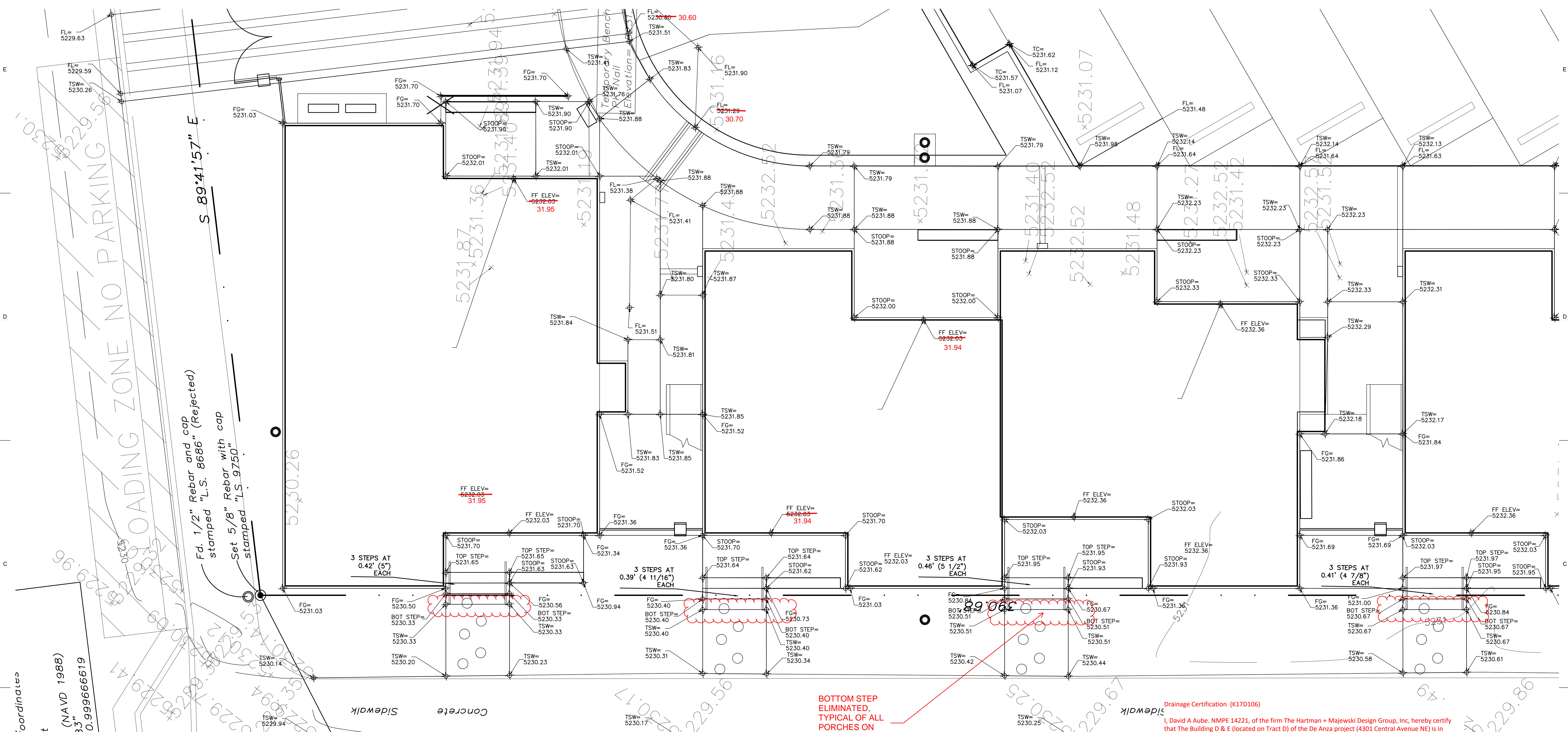
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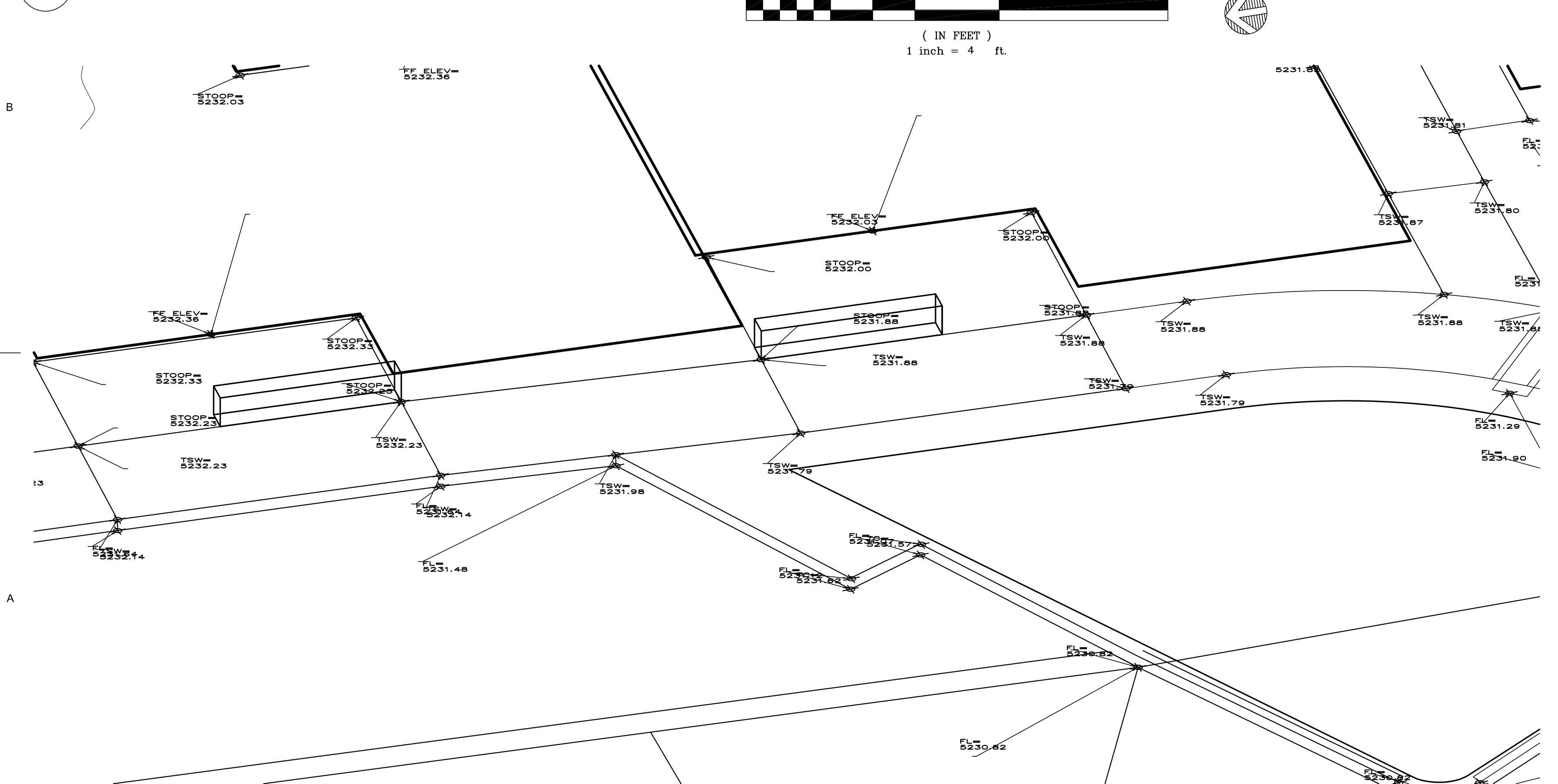
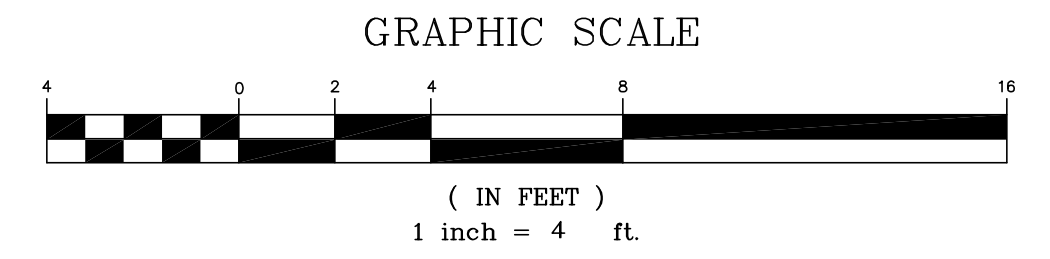
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PROJECT NAME  
**DE ANZA MOTOR LODGE**

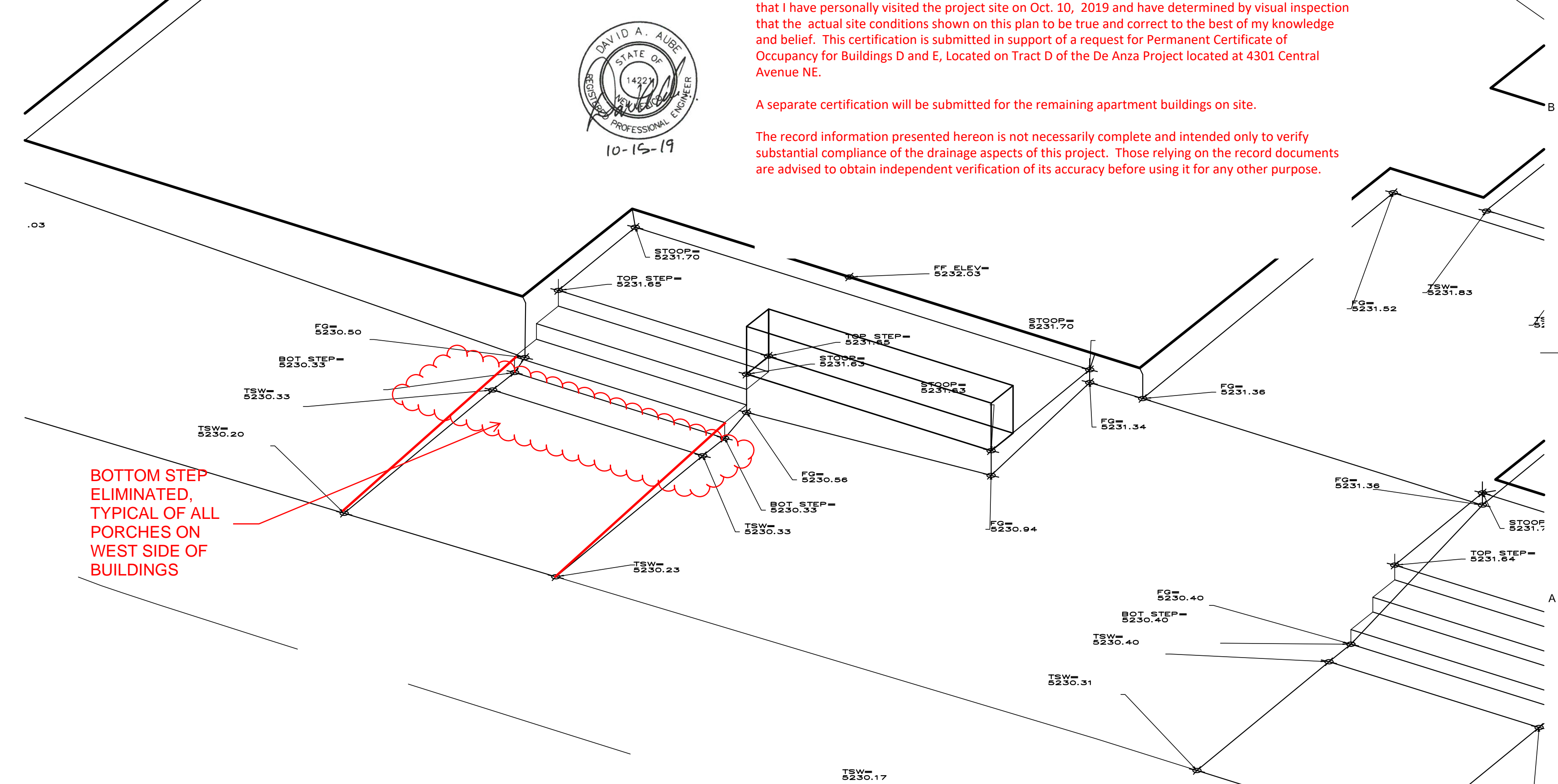
4301 CENTRAL AVENUE NE  
 ALBUQUERQUE, NM 87108



**B1 ENLARGED BUILDING E GRADING PLAN**  
 1" = 4'-0"



**A1 AXONOMETRIC OF AUTOCOURT PORCH AT BLDG E**  
 NOT TO SCALE



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REVISIONS		
NO.	DATE	DESCRIPTION
Δ1	12.13.17	ADDENDUM 02

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 Drawn by: DAA  
 Checked by: DAA  
 Date: OCTOBER 25, 2017  
 Project number: 2500

SHEET TITLE  
**ENLARGED BUILDING E GRADING PLAN**  
 SHEET NUMBER

**C-206**