



The following clarifications, amendments, additions, deletions, revisions and/or modifications form a part of the CONTRACT DOCUMENTS, and change the original or previous documents only in the manner and to the extent stated. THE CONTRACT PRICE SHALL REFLECT ALL ADDENDUM CHANGES.

Acknowledge receipt of the Addendum on Document 00200 Bid Form. Failure to do so may result in the bid being deemed non-responsive. It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

ITEM #	DESCRIPTION
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Bid Package Changes / Corrections / Additions:

1.01 Bid opening date and time of Thursday, October 08, 2026 at 2:00 p.m. at Grossmont College District Annex South Building remains the same.

1.02 Mandatory Pre-Bid Meeting Sign-In Sheets from September 10, 2026.

1.03 **NARRATIVE OF REVISIONS** for attached drawings labeled as Delta # 1 Dated 08.21.2026 on the drawings and labeled as ADDENDUM 1 on the specifications per DSA requirements.

GENERAL ITEMS:

Structural calculations dated August 2026, Addendum 01.

CHANGES TO SPECIFICATIONS

Item No. 1.1 Reference Section 00 01 10 – TABLE OF CONTENTS

1.1.1 Replace Section 00 01 10 in its entirety.

Item No. 1.2 Reference Section 10 14 23 – PANEL SIGNAGE

1.2.1 Replace Section 10 14 23 in its entirety.

CHANGES TO DRAWINGS

ARCHITECTURAL

Item No. 1.1 Reference Sheet ASD-1 – SITE DETAILS

1.1.1 Revise sheet ASD-1 per clouded areas listed below:

(a) Revise keynotes.

(b) Revise detail 17.

Item No. 1.2 Reference Sheet A-1.1 – NEW AND DEMO FLOOR PLAN

1.2.1 Revise sheet A-1.1 per clouded areas listed below:

(a) Revise detail 1 with added note and keynotes.

Item No. 1.3 Reference Sheet A-1.2 – ENLARGED FLOOR PLANS & SECTIONS

1.3.1 Revise sheet A-1.2 per clouded areas listed below:

(a) Revise General Notes.

(b) Revise details 1, 2, 3, 4 & 5.

Item No. 1.4 Reference Sheet A-1.5 – BUILDING ELEVATIONS

1.4.1 Revise sheet A-1.5 per clouded areas listed below:

(a) Revise General Notes.

(b) Revise Exterior Elevations Legend.

(c) Revise Building Elevations 2, 3, 4, 5, 6, 7, 8, & 9.

Item No. 1.5 Reference Sheet AD-1 – MISCELLANEOUS DETAILS



- 1.5.1 Revise sheet AD-1 per clouded areas listed below:
(a) Added details 25, 28 & 29.

STRUCTURAL

Item No. 1.6 Reference Sheet S2-1.0 – EQUIPMENT ANCHORAGE DETAILS

- 1.6.1 Revise Sheet per clouded areas listed below:
(a) Added details 12, 13 & 16.

ELECTRICAL

Item No. 1.7 Reference Sheet E3.2 – FLOOR PLAN SOUTH – LIGHTING, POWER & COMM.

- 1.7.1 Revise Sheet per clouded areas below:
(a) Revised floor plan.
(b) Revised Keynote #25.
(c) Added keynote #31.

PLUMBING

Item No. 1.8 Reference Sheet P1-0.1 – PLUMBING LEGEND AND GENERAL NOTES

- 1.8.1 Revise Sheet per clouded areas listed below:
(a) Revised lavatory model in the plumbing fixture schedule.

Item No. 1.9 Reference Sheet P1-2.0 – PLUMBING LEVEL 1 - OVERALL

- 1.9.1 Revise Sheet per clouded areas listed below:
(a) Revised lavatory model.

1.04 BID DOCUMENTS

The following document sections of the Bid Documents to be re-issued, replaced, or added in Addendum No. 2:

DOCUMENT	DESCRIPTION
Calculations	Structural Calculations Addendum 01 (added)
Specifications	Section 00 01 10 Table of Contents (re-issued)
Specifications	Section 10 14 23 Panel Signage (re-issued)
Drawings	ASD-1, A-1.1, A-1.2, A-1.5, AD-1, S2-1.0, E3.2, P1-0.1, P1-2.0 (re-issued)

- 1.05 **Reminder: Acknowledge receipt of Addendum 1 on your bid form.**
Reminder: Acknowledge receipt of Addendum 2 on your bid form.

END OF DOCUMENT

B26.014 CUYAMACA COLLEGE AUTO LIFTS RTEPLACEMENT

MANDATORY PRE-BID MEETING AND JOB WALK

THURSDAY, SEPTEMBER 10, 2026 2:00 P.M.

CUYAMACA COLLEGE BUILDING K ROOM K-114



GROSSMONT-CUYAMACA
COMMUNITY COLLEGE DISTRICT

TO ENSURE RECEIPT OF
APPLICABLE CORRESPONDENCE
WRITE LEGIBLY OR PROVIDE
BUSINESS CARD

	COMPANY/CONTRACTOR	ADDRESS/CITY/ STATE/ZIP	TELEPHONE No. FAX No.	EMAIL	CONTACT NAME	GEN'L OR SUB	BUSINESS DESIGNATION (Circle One)	SIGN IN: SIGN OUT:
1	Richard & Richard	234 Venture St, San Marcos CA 92078	Ph: 760-754-2260 Fx:	Luke@rconstruction.com	Luke Mapes	Gen.	N/A SBE DBE MBE WBE DVBE	In: 1:45 Out:
2	Wesley Pump	3532 F. St S.D. 92071	Ph: 619-445-9040 Fx:	smelxas@wesley.com	Greg Melxas	Gen	N/A SBE DBE MBE WBE DVBE	In: Out:
3	All State Electric	1790 Ryan Rd El Cajon CA 92021	Ph: 619-715-7963 Fx:	c.thompson@allstateelectric.com	Cameron Thompson	Sub	N/A SBE DBE MBE WBE DVBE	In: 1:54 Out: 1:55
4	GQ Builders, Inc.	P.O. Box 1488 RSF, CA 92067	Ph: 858-756-5001 Fx:	gqbuidler@gmail.com	Yana Marchuk	G	N/A SBE DBE MBE WBE DVBE	In: Out:
5	West Point	2701 Transporthway Ave, Nutcracker City CA 95850	Ph: 619 439 3005 Fx:	Tyler@wpscontracting.com	Tyler Bourus	Sub	N/A SBE DBE MBE WBE DVBE	In: 2:00 Out:
6	DE W FUTURE CONST.	3025 DEWEY BLVD. SAN DIEGO, CA	Ph: 619 597 0725 Fx:	ESTIMATING@DUEFI.COM	HUGO BLEVINO	Gen.	N/A SBE DBE MBE WBE DVBE	In: 2:00 Out:
7	READY ELECTRIC	501 W. BROADWAY S.D. CA. 92101	Ph: 619-997-1077 Fx:	READY@READY-ELECTRIC.COM	STEPH ZUFF	SUB	N/A SBE DBE MBE WBE DVBE	In: 2:00 Out:
8	Hamel Concrete	26431 Jefferson St C A, Murrieta CA	Ph: 951-6002783 Fx:	CCisneros@Hamelinc.com	Jeff, Saul	Sub	N/A SBE DBE MBE WBE DVBE	In: 2:00 Out:
9	RCA		Ph: 760-670-1896 Fx:	apalomiro@rkanavchrt.com	Antonio Palomiro	HOR	N/A SBE DBE MBE WBE DVBE	In: 2:00 Out:
10	Grahovac Construction	8418 La Mesa Blvd. La Mesa, CA, 91942	Ph: 619-244-4170 Fx:	brentf@grahovacconst.com	Brent Franklin	Gen	N/A SBE DBE MBE WBE DVBE	In: 2:05p Out:
11	Neema General Contracting	1767 Eldon St El Cajon CA 92021	Ph: 619-456-8493 Fx:	Contact @neemagc.com	Ammar Ameen	Gen	N/A SBE DBE MBE WBE DVBE	In: 2:05 Out:
12	Pacific Lift	601 W. Montaville Pasadena, CA 91735	Ph: 626-660-9467 Fx:	Richard@pacificlift.com	Richard Martinez	Sub	N/A SBE DBE MBE WBE DVBE	In: 2:05 Out:

B26.014 CUYAMACA COLLEGE AUTO LIFTS RTEPLACEMENT

MANDATORY PRE-BID MEETING AND JOB WALK

THURSDAY, SEPTEMBER 10, 2026 2:00 P.M.

CUYAMACA COLLEGE BUILDING K ROOM K-114

TO ENSURE RECEIPT OF
APPLICABLE CORRESPONDENCE
WRITE LEGIBLY OR PROVIDE
BUSINESS CARD



GROSSMONT-CUYAMACA
COMMUNITY COLLEGE DISTRICT

	COMPANY/CONTRACTOR	ADDRESS/CITY/ STATE/ZIP	TELEPHONE No. FAX No.	EMAIL	CONTACT NAME	GEN'L OR SUB	BUSINESS DESIGNATION (Circle One)	SIGN IN: SIGN OUT:
13	HSCC Builders	9411 Bond ave El Cuyon, ca.	Ph: 760-802-4078 Fx: 4038	estimating@hsc Builders.com	Steve Bergson	Gen	N/A DBE WBE SBE MBE DVBE	In: 1:42 Out:
14	JSB Builders	17910 Sky Park Circle Irvine CA	Ph: 949-817-6449 Fx:	Estimator/PM	Charles Farley		N/A DBE WBE SBE MBE DVBE	In: 1:45 Out:
15	CONAN CONSTRUCTION	2870 WHITTAIL Loop. CARLSBAD	Ph: 619 432 5864 Fx:	ESTIMATING @ CONANCONSTRUCTION. com	Ron DOMINUSSE	GEN	N/A DBE WBE SBE MBE DVBE	In: 1:50 Out:
16	CONAN construction	" "	Ph: 619-432-5864 Fx:	ESTIMATING @ CONANCONSTRUCTION. com	BRADEN HARMON	GEN.	N/A DBE WBE SBE MBE DVBE	In: 1:50 Out:
17	Fordyce Construction	9932 Prospect Ave #1350, San Jose, CA 95126	Ph: 415 449 4272 Fx: 415 449 1930	estimating @ fordyceconstruction.com	Brian Fordyce	Gen	N/A DBE WBE SBE MBE DVBE	In: 1:55 Out:
18	GEM Industrial	16902 Ridgeway RD Lakeside	Ph: 858 486 1758 Fx:	doug.s@gem industrial.ca.com	Doug MacLellan	Gen	N/A DBE WBE SBE MBE DVBE	In: 1:58 Out:
19	Autolift SERVICES	10764 LOS VAQUEROS Cir	Ph: (800) Fx: 227-5438	Autolift SERVICES SBC Global	Chris LOODSON	SUB	N/A DBE WBE SBE MBE DVBE	In: 1:50 Out:
20	AWakeCO, Inc	42000 Winchester Rd. Temecula, CA	Ph: 951-200-5558 Fx:	Estimating @ Wakecoinc.com	Anna V	Gen	N/A DBE WBE SBE MBE DVBE	In: 1:58 Out:
21	Nexgen Building Group	2810 Via Orange Way Spring Valley, CA 91978	Ph: 619-670-4466 Fx:	estimating@ nexgenbuilding.com	Matt Brader	Gen	N/A DBE WBE SBE MBE DVBE	In: 2:00 Out:
22	Graham Construction	6418 Lakeside Blvd La Mesa	Ph: 619-771-2388 Fx:	Brett @ Grahamconstruction	Brett Whosay	Gen	N/A DBE WBE SBE MBE DVBE	In: 2:00 Out:
23	POWER ON ENERGY	4455 MORRIS CANYON RD SUITE 100	Ph: 781 454 8624 Fx:	DORADO AND SON ELECTRIC @ EMAIL	JOSE DORADO	GEN	N/A DBE WBE SBE MBE DVBE	In: 2:00 Out:
24	Vasquez Construction	3009 G ST. San Diego, CA	Ph: 619-782-5953 Fx:	Darren @ vasquezco .com	Darren O Cannor	Gen	N/A DBE WBE SBE MBE DVBE	In: 2:00 Out:

B26.014 CUYAMACA COLLEGE AUTO LIFTS RTEPLACEMENT

MANDATORY PRE-BID MEETING AND JOB WALK

THURSDAY, SEPTEMBER 10, 2026 2:00 P.M.

CUYAMACA COLLEGE BUILDING K ROOM K-114

TO ENSURE RECEIPT OF
APPLICABLE CORRESPONDENCE
WRITE LEGIBLY OR PROVIDE
BUSINESS CARD



GROSSMONT-CUYAMACA
COMMUNITY COLLEGE DISTRICT

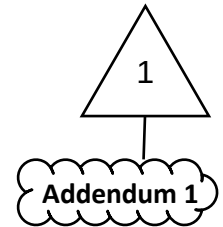
	COMPANY/CONTRACTOR	ADDRESS/CITY/ STATE/ZIP	TELEPHONE No.	EMAIL	CONTACT NAME	GEN'L OR SUB	BUSINESS DESIGNATION (Circle One)		SIGN IN:
			FAX No.						SIGN OUT:
25	MA STEVENS	125 E 17th St National City, CA, 91950	Ph: 619 477 7893 Fx:	MSTEVENS@ MASTEVENS.COM	MARK	Gen'l	N/A DBE WBE	SBE MBE DVBE	In: 2:00 Out:
26	SITKA C.G.	3460 MARROW RD STE 103 220 OCEANSIDE, CA	Ph: 760-814-9642 Fx:	ESTIMATING@SITKACG.COM	WILLIAM	GENERAL	N/A DBE WBE	SBE MBE DVBE	In: 2:00 Out:
27			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:
28			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:
29			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:
30			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:
31			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:
32			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:
33			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:
34			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:
35			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:
36			Ph: Fx:				N/A DBE WBE	SBE MBE DVBE	In: Out:

**SECTION 00 01 10
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PROCUREMENT AND CONTRACTING REQUIREMENTS

DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

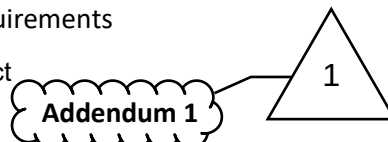
- 00 01 02 - Project Information
- 00 01 07 - Seals Page
- 00 01 10 - Table of Contents
- 00 40 25 - Request for Information (PreBid)
- 00 43 25 - Substitution Request Form - During Procurement
- 00 63 25 - Substitution Request Form - During Construction



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- 01 25 00 - Substitution Procedures
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- 01 35 50 - Requests for Electronic Files
- 01 35 53 - Security Procedures
- 01 40 00 - Quality Requirements
- 01 41 00 - Regulatory Requirements
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- 01 50 00 - Temporary Facilities and Controls
- 01 51 00 - Temporary Utilities
- 01 52 13 - Field Offices and Sheds
- 01 55 00 - Vehicular Access and Parking
- 01 57 19 - Temporary Environmental Controls
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- 01 60 00 - Product Requirements
- 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions
 - 01 61 16.01 - Accessory Material VOC Content Certification Form
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- 05 50 00 - Metal Fabrications

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- 09 67 00 - Fluid-Applied Flooring
- 09 91 13 - Exterior Painting
- 09 91 23 - Interior Painting
- 09 96 00 - High-Performance Coatings

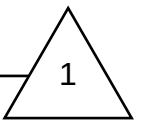
DIVISION 10 -- SPECIALTIES

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- 10 28 00 - Toilet, Bath, and Laundry Accessories
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DIVISION 14 -- CONVEYING EQUIPMENT

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END OF SECTION

SECTION 10 14 23 PANEL SIGNAGE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Panel signage.
- B. Traffic and parking control, and site informational signage

1.02 REFERENCE STANDARDS

- A. 29 CFR 1910.145 - Accident Prevention Signs and Tags.
- B. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines.
- C. ADA Standards - 2010 ADA Standards for Accessible Design.
- D. ANSI Z535.2 - American National Standard for Environmental and Facility Safety Signs.
- E. ANSI Z535.4 - American National Standard for Product Safety Signs and Labels.
- F. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete.
- G. CBC - California Building Code.
- H. CBC Chapter 11B - California Building Code-Chapter 11B.
- I. FED-STD-595C - Colors Used in Government Procurement (Fan Deck)..
- J. NFPA 704 - Standard System for the Identification of the Hazards of Materials for Emergency Response.
- K. SAE AMS-STD-595A - Colors Used in Government Procurement.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's product literature for each type of panel sign, indicating styles, font, foreground and background colors, locations, and overall dimensions of each sign.
- C. Shop Drawings:
 - 1. Include dimensions, locations, elevations, materials, text and graphic layout, attachment details, and schedules.
 - 2. Schedule: Provide information sufficient to completely define each panel sign for fabrication, including room number, room name, other text to be applied, sign and letter sizes, fonts, and colors.
 - a. When room numbers to appear on signs differ from those on drawings, include the drawing room number on schedule.
 - b. When content of signs is indicated to be determined later, request such information from District through Architect at least 2 months prior to start of fabrication; upon request, submit preliminary schedule.
 - c. Submit for approval by District through Architect prior to fabrication.

- D. Samples: Submit two samples of each type of sign, of size similar to that required for project, indicating sign style, font, and method of attachment.

E. Selection Samples: Where colors, materials, and finishes are not specified, submit two sets of color selection charts or chips.

~~F.~~ F. Verification Samples: Submit samples showing colors, materials, and finishes specified.

~~F.~~ G. Manufacturer's Installation Instructions: Include installation templates and attachment devices.

~~G.~~ H. Manufacturer's qualification statement.

~~H.~~ I. Maintenance Materials: Furnish the following for District's use in maintenance of project.

1. See Section 01 60 00 - Product Requirements for additional provisions.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Package signs as required to prevent damage before installation.
- B. Package room and door signs in sequential order of installation, labeled by floor or building.
- C. Store under cover and elevated above grade.
- D. Store tape adhesive at normal room temperature.

1.06 FIELD CONDITIONS

- A. Do not install tape adhesive when ambient temperature is lower than recommended by manufacturer.
- B. Maintain minimum ambient temperature during and after installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Panel Signage:
1. ASI Sign Systems, Inc.: www.asisignage.com.
 2. Best Sign Systems, Inc: www.bestsigns.com/#sle.
 3. FASTSIGNS International, Inc: www.fastsigns.com/#sle.
 4. Inpro Corporation: www.inprocorp.com/#sle.
 5. Mohawk Sign Systems, Inc: www.mohawksign.com/#sle.
 6. Seton Identification Products: www.seton.com/aec/#sle.
 7. Or Equal Substitutions: See Section 01 60 00 - Product Requirements.

2.02 REGULATORY REQUIREMENTS

- A. Accessibility Requirements: Comply with ADA Standards, CBC Chapter 11B, and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most restrictive requirements.

1. Requirements for Accessibility : Provide identifying devices meeting the requirements for persons with the following codes:
 - a. California Building Code (CBC) Title 24, Part 2; Chapter 11B, Accessibility.
 - b. Code of Federal Regulations 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities.
 - c. Accessible Means of Egress Signage: CBC 1009.
 - 1) Directional Signage: CBC 1009.10.
 - (a) Provide directional signage complying with CBC Section 11B-703.5 indicating the location of all other means of egress and which are accessible means of egress:
 - (1) At exits serving a required accessible space but not providing an approved accessible means of egress.
2. Raised characters: Comply with CBC Section 11B-703.2.
 - a. Depth: Raised characters shall be raised 1/32 inch (0.8 mm) minimum above their background, shall be sans serif uppercase letters, and shall be duplicated in Braille.
 - b. Height: Raised character height shall be 5/8 inch (15.9 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I". CBC Section 11B-703.2.5
 - c. Proportions: Raised Character proportions shall be selected from fonts where the width of the uppercase letter "O" is 60% minimum and 110% maximum of the height of the uppercase letter "I". Stroke thickness of the uppercase letter "I" shall be 15% maximum of the height of the character. CBC Sections 11B-703.2.4 and 11B-703.2.6
 - d. Character Spacing: Spacing between individual raised characters shall comply with CBC Section 11B-703.2.7
 - e. Line Spacing: Spacing between separate lines of raised characters shall comply with CBC Section 11B-703.2.8
 - f. Format: Raised character text shall be in a horizontal format. CBC Section 11B-703.2.9
 - g. Braille: Braille shall be contracted (Grade 2) and shall comply with CBC Sections 11B-703.3 and 11B-703.4. Braille dots shall have a domed or rounded shape and shall comply with CBC Table and Figure 11B-703.3.1.
 - h. Mounting Height: Tactile characters on signs shall be located 48" minimum to the baseline of the lowest Braille cells and 60" maximum to the baseline of the highest line of raised characters above the finish floor or ground surface. CBC Section and Figure 11B-703.4.1
 - i. Mounting Location: Tactile signs shall be located per CBC Section and Figure 11B - 703.4.2 as follows:
 - 1) alongside a single door at the latch side.
 - 2) on the inactive leaf at double doors with one active leaf.
 - 3) to the right of the right hand door at double doors with two active leaves.
 - 4) on the nearest adjacent wall where there is no wall space at the latch side of a single door or at the right side of double doors with two active leaves.

- 5) so that a clear floor space of 18" x18" minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.
- j. Visual Characters shall comply with CBC Section 11B-703.5:
 - 1) Mounting Height: Visual characters on signs shall be 40" minimum above finish floor or ground.
 - 2) Finish and Contrast: Characters and their background shall have a non-glare finish. Character shall contrast with their background with either light characters on a dark background or dark characters on a light background. CBC Section 11B-703.5.1
 - 3) Height: Character height shall be determined based upon height above ground and horizontal viewing distance per CBC Table 11B-703.5.5.
 - 4) Proportions: Visual Character proportions shall be selected from fonts where the width of the uppercase letter "O" is 60 % minimum and 110 % maximum of the height of the uppercase letter "I". Stroke thickness shall be 10% minimum and 20% maximum of the height of the character. CBC Sections 11B-703.5.4 and 11B-703.5.7.
 - 5) Character Spacing: Spacing between individual adjacent characters shall be 10% min. and 35% max of character height per CBC Section 11B-703.5.8.
 - 6) Line Spacing: Spacing between separate lines of characters within a message shall comply with CBC Section 11B-703.5.9
- k. Pictograms shall comply with CBC Section 11B-703.6.
- l. Symbols of accessibility shall comply with CBC Section 11B-703.7.
- m. Variable message signs shall comply with CBC Section 11B-703.8.
3. Visual characters shall comply with CBC Section 11B -703.5 and shall be 40 inches minimum above finish floor or ground.
 - a. Characters and their background shall have a non-glare finish. Character shall contrast with their background with either light characters on a dark background or dark characters on a light background. CBC Section 11B-703.5.1
 - b. Character height shall be determined based upon height above ground and horizontal viewing distance per CBC Table 11B-703.5.5.
 - c. Proportions for Visual Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 % minimum and 110 % maximum of the height of the uppercase letter "I". Stroke thickness shall be 10% minimum and 20% maximum of the height of the character. CBC Sections 11B-703.5.4 and 11B-703.5.7
 - d. Spacing between separate lines of characters shall comply with CBC Section 11B-703.5.9.
 - e. Character Spacing between individual adjacent characters shall be 10% minimum and 35% maximum of character height per CBC Section 11B-703.5.8.
4. Pictograms shall comply with CBC Section 11B-703.6.
5. Symbol of accessibility shall comply with CBC Section 11B-703.7.
6. Variable message signs shall comply with CBC Section 11B-703.8.

2.03 PANEL SIGNAGE

A. Panel Signage:

1. Application: Room and door signs.
2. Description: Flat signs with photopolymer plastic panel media, tactile characters.
3. Sign Size: As indicated on drawings.
4. Total Thickness: 1/8 inch.
5. Sign Edges: Squared.
6. Letter Edges: Squared.
7. Corners: Squared.
8. Color and Font, unless otherwise indicated:
 - a. Character Font: Helvetica, Arial, or other sans serif font.
 - b. Character Case: Upper and lower case (title case).
 - c. Background Color: As scheduled.
 - d. Character Color: Contrasting color.
9. Material: Laminated-Sheet Sign, Photopolymer face sheet with raised graphics laminated over subsurface graphics to acrylic or phenolic backing sheet to produce composite sheet.
10. Profile: Flat panel in aluminum frame.
 - a. Frame Finish: Black anodized.
11. Tactile Letters: Raised 1/32 inch minimum.
12. Braille: Grade II, ADA-compliant.
13. One-Sided Wall Mounting: Concealed screws.

2.04 SIGNAGE APPLICATIONS

A. Room and Door Signs:

1. Rest Rooms: Identify with pictograms, the names "MEN" and "WOMEN", room numbers to be determined later, and braille.
 - a. Identify all single user toilet facilities as gender neutral facilities by a door symbol that complies with CBC Section 11B-216.8 and 11B-703.7.2.6.3.
 - 1) No pictogram, text, or braille is required.
 - 2) Tactile jamb signage shall comply with appropriate technical requirements of CBC Section 11B-703.
 - (a) Examples of appropriate designations are "ALL-GENDER RESTROOM", "RESTROOM", or "UNISEX RESTROOM". DSA BU-17-01.
 - (b) Provide "RESTROOM" as the signage text, unless indicated otherwise on Drawings.
 - 3) See Drawings for actual sign to be provided.
 - b. Geometric Symbols: The symbol color shall contrast with door or wall.
 - 1) Comply with CBC Section 11BCBC Ch. 11B-216.8.1 at the entrances to toilet and bathing rooms.

- 2) Comply with CBC Section 11B-703.7.2.6.
 - (a) Men's: An equilateral triangle, ¼ inch thick edges with edges 12 inches long and a vertex pointing upward.
 - (b) Women's: A circle, ¼ inch thick and 12 inches in diameter.
 - (c) Unisex (All Gender): A circle, ¼ inch thick and 12 inches in diameter with a equilateral triangle, ¼ inch thick edges with edges 12 inches long and a vertex pointing upward, superimposed on and geometrically inscribed within the circle and within the 12 inch diameter. The vertex of the triangle shall be located ¼ inch maximum from the edge of the circle. The triangle shall contrast with the circle symbol, either light on a dark background or dark on a light background. The circle symbol shall contrast with the door.
 - (1) No pictogram is to be provided.
 - (d) Mount within 1 inch of the centerline of the door at minimum 58 inches and 60 inches maximum from the centerline of the symbol to the finished floor surface.

2. Exits: Provide raised character and Braille exit signs per CBC Section 1013.4 at the following locations:

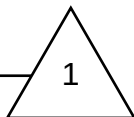
<u>Text</u>	<u>Location</u>
EXIT	Grade level exit door.
EXIT STAIR DOWN, EXIT STAIR UP	Exit door to exit stair.
EXIT RAMP DOWN, EXIT RAMP UP	Exit door to exit ramp.
EXIT ROUTE	Exit door to exit enclosure, exit passageway, exit corridor, or exit hallway.
TO EXIT	Exit door to horizontal exit.
EXIT WITH ALARM	Exit doors with an alarm.
EXIT ONLY or EXIT STAIR ONLY	Exit doors and stair exit doors which lock from outside and does not allow a return

B. Interior Directional and Informational Panel Signs:

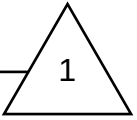
1. Assistive Listening Devices, include International Symbol of Access for Hearing Loss complying with CBC Section 11B Figure 11B-703.7.2.4..
 - a. Include International Symbol of Access for Hearing Loss, CBC Section 11B Figure 11B-703.7.2.4, with text "Assistive-Listening System Available". Use upper and lower case characters.
2. Stairway or Ramp Identification Signage: CBC Section 1023.9.
 - a. Size: 18 by 12 inches.
 - b. Content: Identify stair or ramp designation. Provide symbols, character size and stroke per CBC Section 1023.9.1.

C. Vehicle Entry Height Guard:

1. **Basis of Design Product: 7" Height Guard as manufactured by Post Guard (Encore Commercial Products, Inc), www.postguard.com, or equal.**
2. **Material: High-Density Polyethylene.**



3. **Outside Diameter: 7.34 inches.**
4. **Cover Color: As selected by Architect.**
 - a. **Yellow, Red., Blue, Royal Blue, Grey, Canadian Grey, Warm Grey, Black, White, Beige, Brown, Green, Lime Green, or Orange.**
5. **Tape Color: As selected by Architect.**
 - a. **No Tape, Red, or White**
6. **Length: 120 inches.**
7. **Graphics: "CLEARANCE" include two sets of numbers and symbols for foot and inch.**
 - a. **Verify graphics and mounting height with District and Architect.**
8. **Graphics Color: As selected by Architect.**
9. **Warranty: 5-Year Anti-Fade Warranty.**
10. **Accessories:**
 - a. **Installation Chain: #1 x 36 inches, 2 units.**



D. Traffic Signs: To match campus standards; locate where indicated on drawings.

1. **Manufacturers:**
 - a. **Hawkins Traffic Safety Supply, Inc.: www.hawkinstraffic.com.**
 - b. **Safeway Sign Company: www.safewaysign.com.**
 - c. **Western Highway Products, Inc.: www.westernhighway.com.**
 - d. **Substitutions: See Section 01 6000 - Product Requirements.**
2. **Plaque Signs: Provide manufacturer's standard silk-screened signs, baked-on enamel applied over Diamond Grade (DG), (10-year projected life) retro-reflectorized backing; on aluminum or 16 gage galvanized steel sheet. Provide with anti-graffiti protective overlay film. Produce smooth, even, level sign surfaces, constructed to remain flat under installed condition within a tolerance of plus or minus 1/16-inch measured diagonally. Provide two holes for post mounting.**
 - a. **Traffic Entry Warning Signs: Sign text, traffic and regular parking control shall comply with requirements of California Code of Regulations (CCR) Title 24, Part 2, Section 11B-502.8 and regulations of local governing authorities.**
 - 1) **Single post mount, not less than 17 x 22 inches with white reflectorized copy on blue background conforming to No. 15090, SAE AMS-STD-595A (FED-STD-595C), 2 inch high letters (1 inch high when less than 70 inches above finish surface, CBC Section 11B Table 703.5.5) to read as indicated on Drawings.**
 - 2) **Position sign in a conspicuous location immediately adjacent to each entrance to off-street parking facility or immediately adjacent to and visible from each stall or space.**
 - 3) **Sign shall be mounted 60 inches from bottom of sign to the adjacent finish grade when mounted on walls or fence; or 80 inches to pedestrian way or sidewalk or as shown on the drawings.**

- b. Parking Stall Signs: Sign text, accessible parking control shall comply with requirements of State of California Code of Regulations (CCR) - Title 24, Part 2, CBC Section 11BCBC Ch. 11B-502.6 in addition to requirements of State of California, Department of Transportation (CALTRANS) and regulations of local authorities having jurisdiction.
 - 1) Single post mount, not less than 70 square inches with white reflectorized copy on blue background conforming to No. 15090, SAE AMS-STD-595 (FED-STD-595C). Sign shall display a profile view of a wheelchair with occupant in white on blue background to the proportions of CBC Fig. 11B-703.7.2.1.
 - (a) Provide an additional sign below the accessible sign with the text "Minimum Fine \$250".
 - 2) Position one sign at the end of each designated accessible parking space.
 - 3) One in every six spaces (CBC Section 11B-208.2.4), but not less than one, provide a 12 inch by 3-1/4 inch "Van Accessible" sign below the symbol of accessibility, wording per CBC Section 11B-502.6, 36 CFR 1191, and ADA Standards.
 - 4) Sign shall be mounted 80 inches from bottom of sign to finish grade of parking space or other walking surface, centered on wall at interior end of parking space at a minimum height of 60 inches above the parking space, finished grade, ground or sidewalk, to the bottom of the sign.
- c. Additional signs, with content as indicated on Drawings.
- d. Fire Lane Signs:
 - 1) Single post mount, of size, color and sign text as shown on site plan or as required by local codes and fire department authority.
 - 2) Quantity, location and mounting heights to be determined by local fire department authority.
- e. Fire Safety Signage:
 - 1) Provide sign, types, shapes, and content as indicated on Drawings and as required for products in-use, stored, and installed.
 - 2) Comply with OSHA 29 CFR 1910.145, NFPA 704, ANSI Z535.2, ANSI Z535.4, and California Fire Code.
3. Support Posts:
 - a. Galvanized Steel Rail for Bolt-Together Framing:
 - 1) Yield Strength: 60,000 psi.
 - 2) Post and Footing Insert Size: As indicated on Drawings.
 - 3) Post: Basis of Design Product: 6535K372 as distributed by McMaster Carr, or equal.
 - 4) Footing Insert: Basis of Design Product: 6535K392 as distributed by McMaster Carr, or equal.
 - 5) Curved/Angle Bolt: Basis of Design Product: Curved Bolt Set for 1-3/4" High Rails for Bolt-Together Framing as distributed by McMaster Carr, or equal.

- b. Concrete: Ready-mixed, complying with ASTM C94/C94M; normal Portland cement; 3,500 psi strength at 28 days, 3 inch slump; 3/4 inch nominal size aggregate.
- 4. Accessories: Provide welded galvanized steel fittings and galvanized or stainless steel bolts, nuts and washers.
- 5. Fasteners: Provide tamper-proof galvanized steel fasteners.
 - a. Tufnut System (714) 962-5838, Allegheny Bolt (Tampruf brand; (516) 568-1052 or equal.

2.05 FABRICATION

- A. Provide signs and supports factory-prefabricated and pre-finished, ready for assembly and installation.

2.06 ACCESSORIES

- A. Concealed Screws: Noncorroding metal; stainless steel, galvanized steel, chrome plated, or other.
- B. Exposed Screws: Stainless steel.
- C. Tape Adhesive: Double-sided tape, permanent adhesive.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrate surfaces are ready to receive work.
- B. Notify Architect if conditions are not suitable for installation of signs; do not proceed until conditions are satisfactory.

3.02 INSTALLATION AT BUILDING

- A. Install in accordance with manufacturer's instructions.
- B. Install with horizontal edges level.
- C. Locate panel signs and mount at heights indicated on drawings and in accordance with ADA Standards, CBC Chapter 11B, and applicable building codes.
 - 1. Room and Door Signs: Locate on wall at latch side of door (per CBC Section 11B-703.4.2) a minimum of 48 inches to the baseline of the lowest braille cells; with baseline of highest line of raised character text at maximum 60 inches above finished floor.
 - a. Comply with CBC Section 11B-703.4.1 and CBC Ch. 11B11B -703.4.2
- D. Protect from damage until final inspection; repair or replace damaged items.

3.03 SITE AND TRAFFIC SIGN INSTALLATION

- A. Locate informational signage as verified in field by District. Verify and coordinate sign locations to prevent conflict with underground utilities.
- B. Locate accessible car and van parking stall and drive approach signs where shown on Drawings and as required by applicable ordinances and regulations of authorities having jurisdiction. Verify and coordinate sign locations to prevent conflict with underground utilities.

- C. Excavate for sign support footings to depth as shown on Drawings or, if not shown, as recommended by manufacturer. Provide forms for concrete not supported by compacted soil.
- D. Set posts in concrete base, minimum 12 inch diameter and 18 inches deep; unless indicated otherwise on Drawings.
 - 1. Set sign support post plumb and so sign face will be perpendicular to stall or parallel to curb face, as applicable.
 - a. Set posts into pipe sleeve inserts set and anchored into concrete.
 - b. Fill annular space between posts and sleeves with grouting compound.
 - 2. Signs set in asphaltic paving surfaces or concrete sidewalks shall be mounted in core drilled holes minimum 8 inch diameter, 18 inches deep with top of base flush to finish.
 - 3. Firmly attach signs mounted to walls with appropriate expansion anchors or bolting, adhesive not permitted.
 - 4. Seal all holes water tight.
- E. Install plaque signage to posts, with panel facing traffic as necessary.

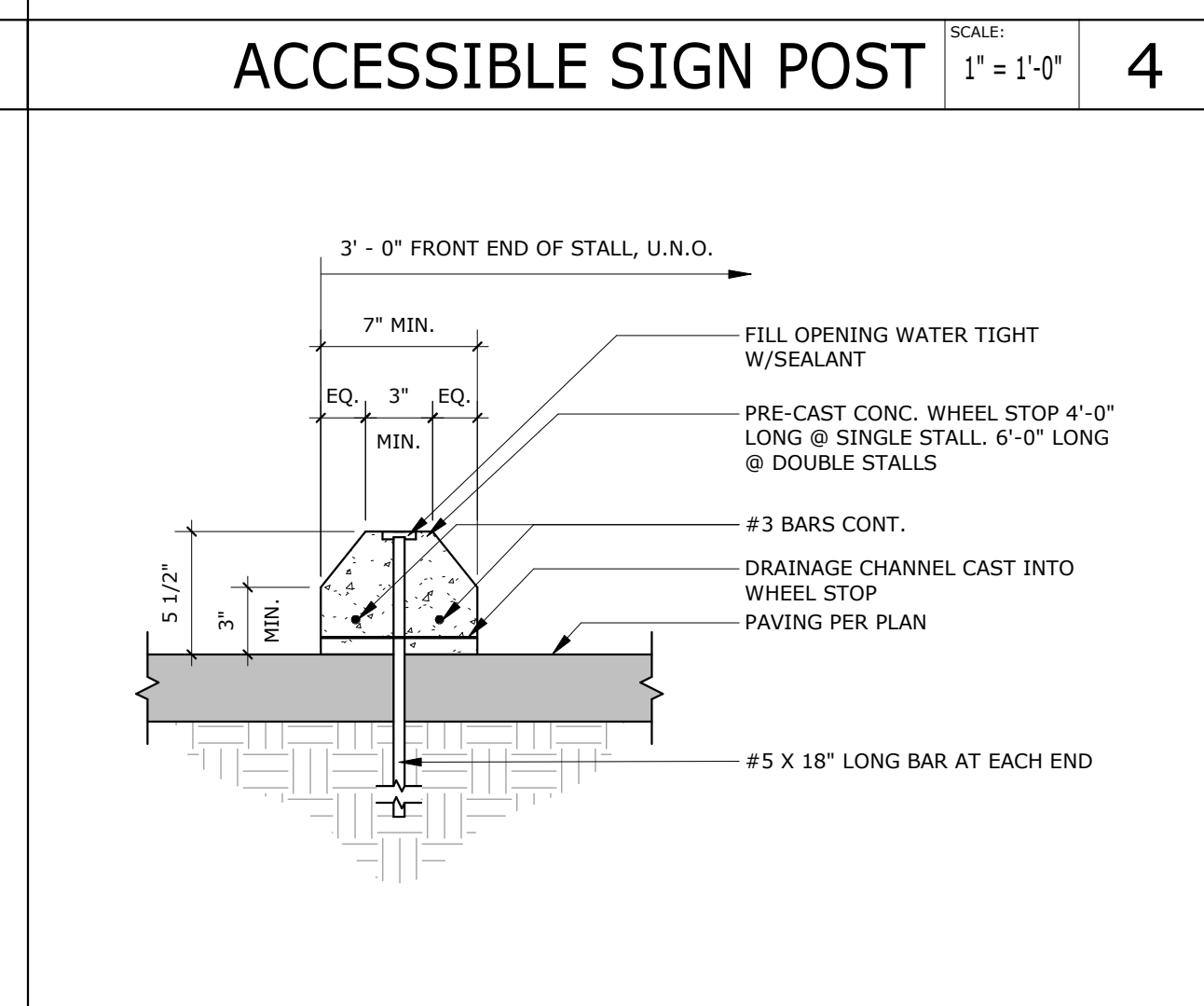
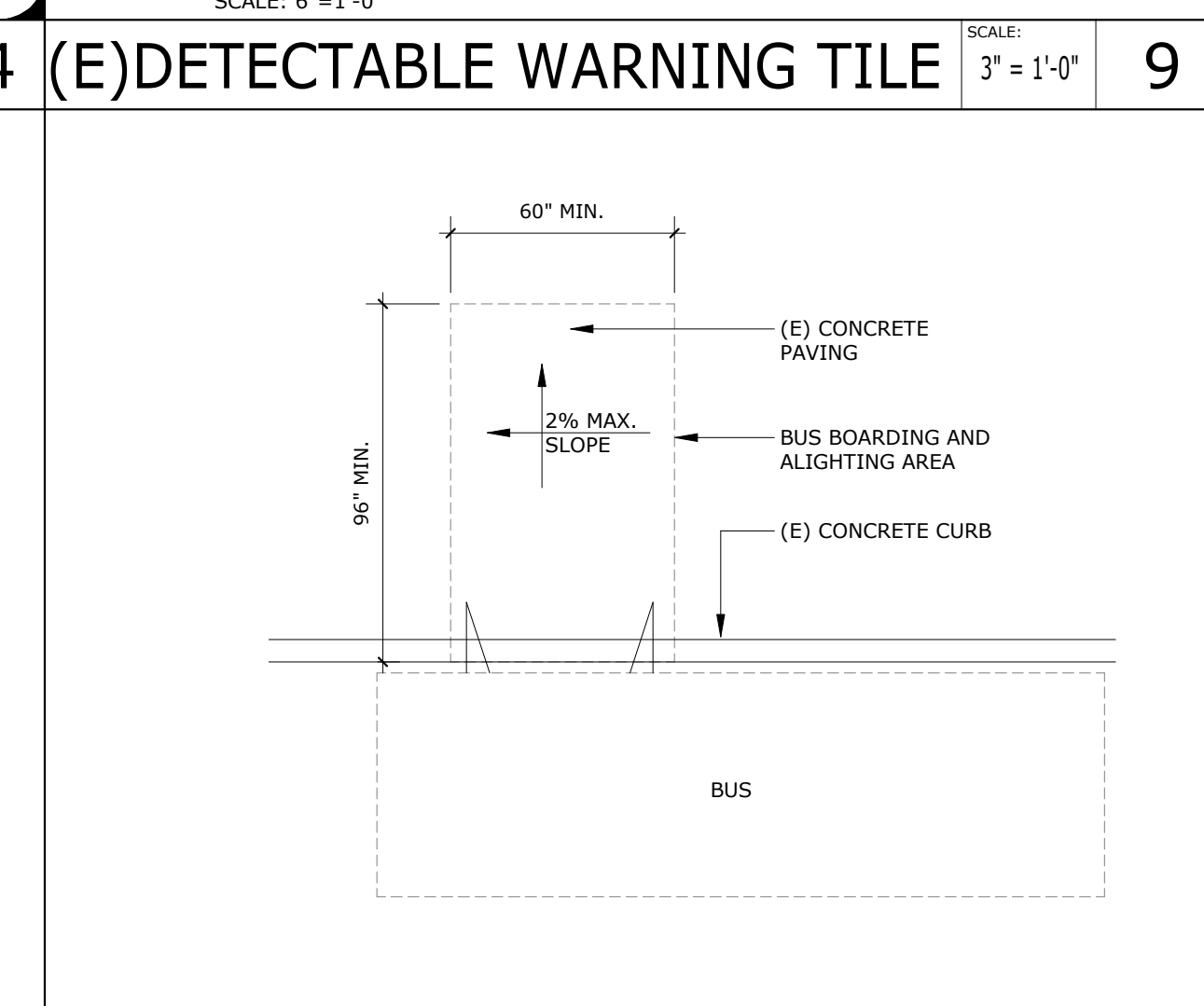
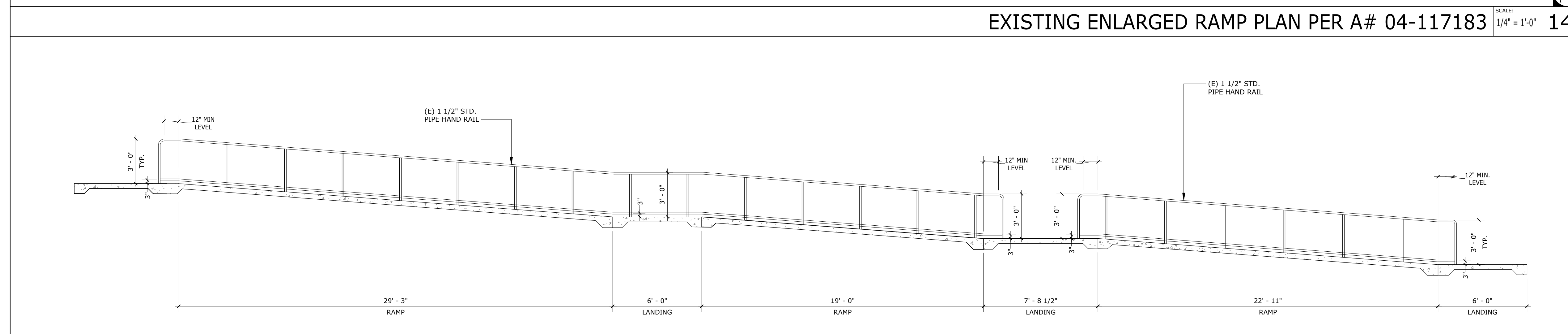
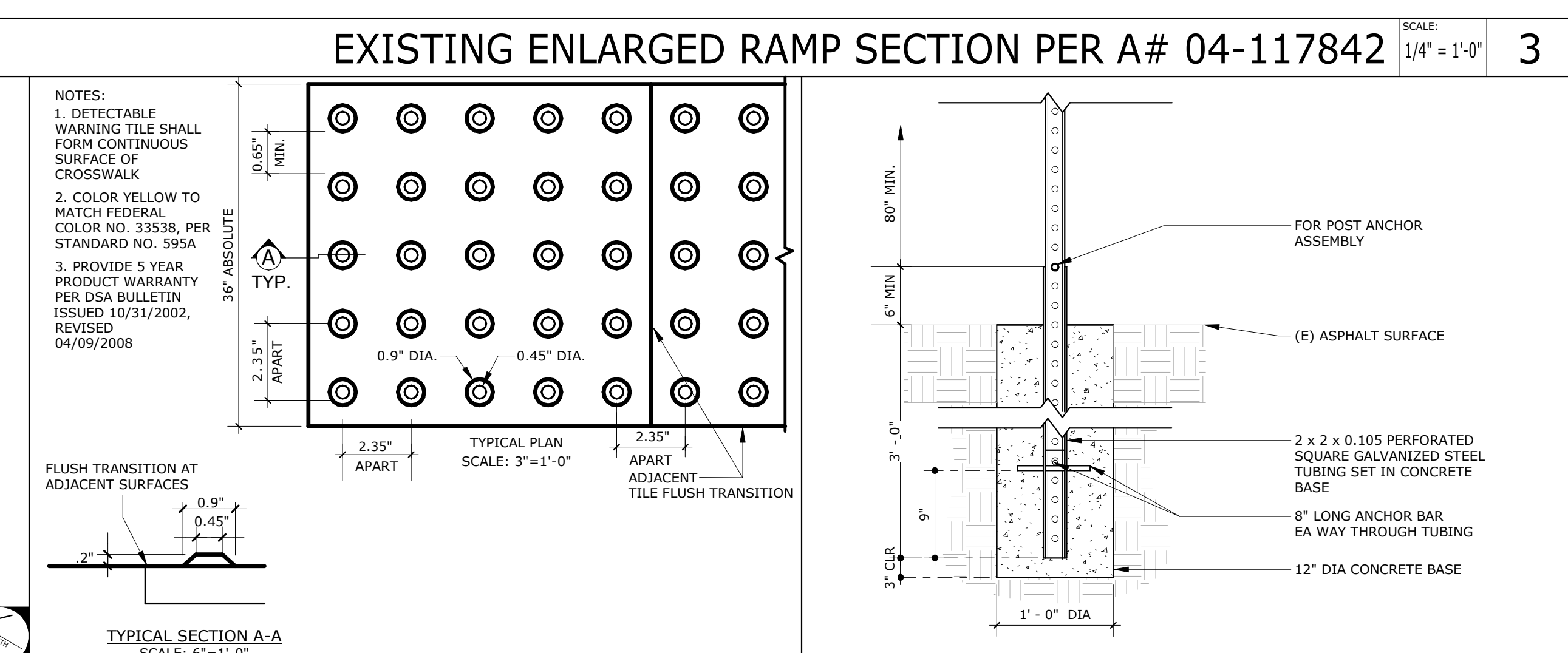
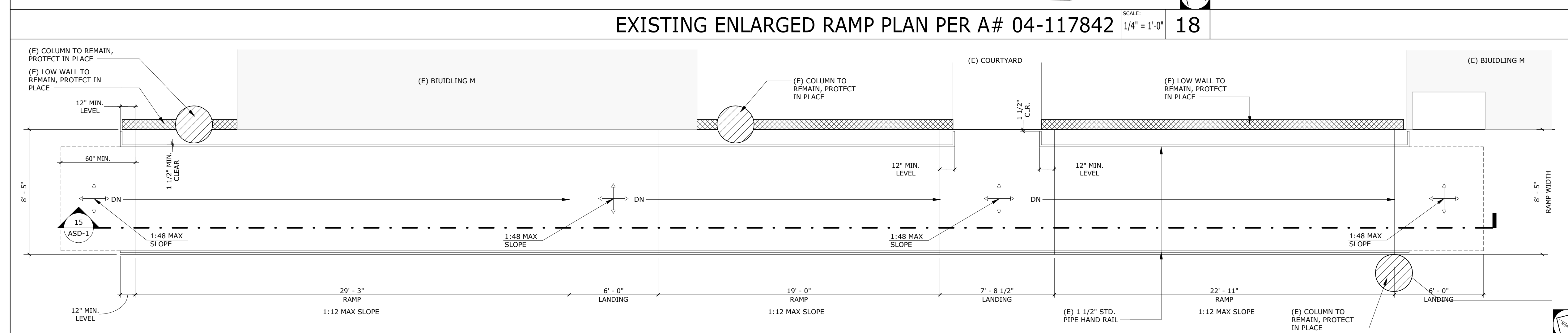
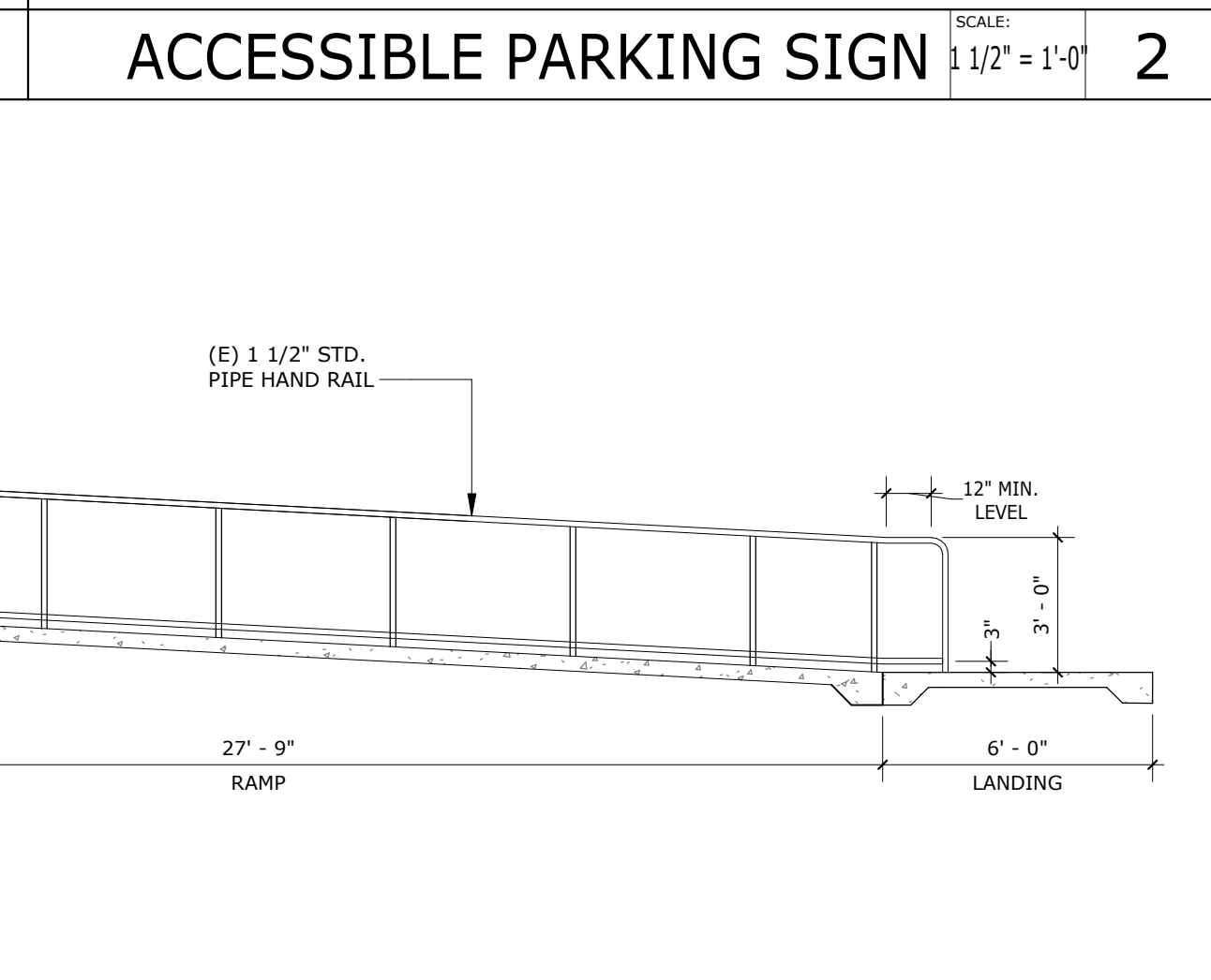
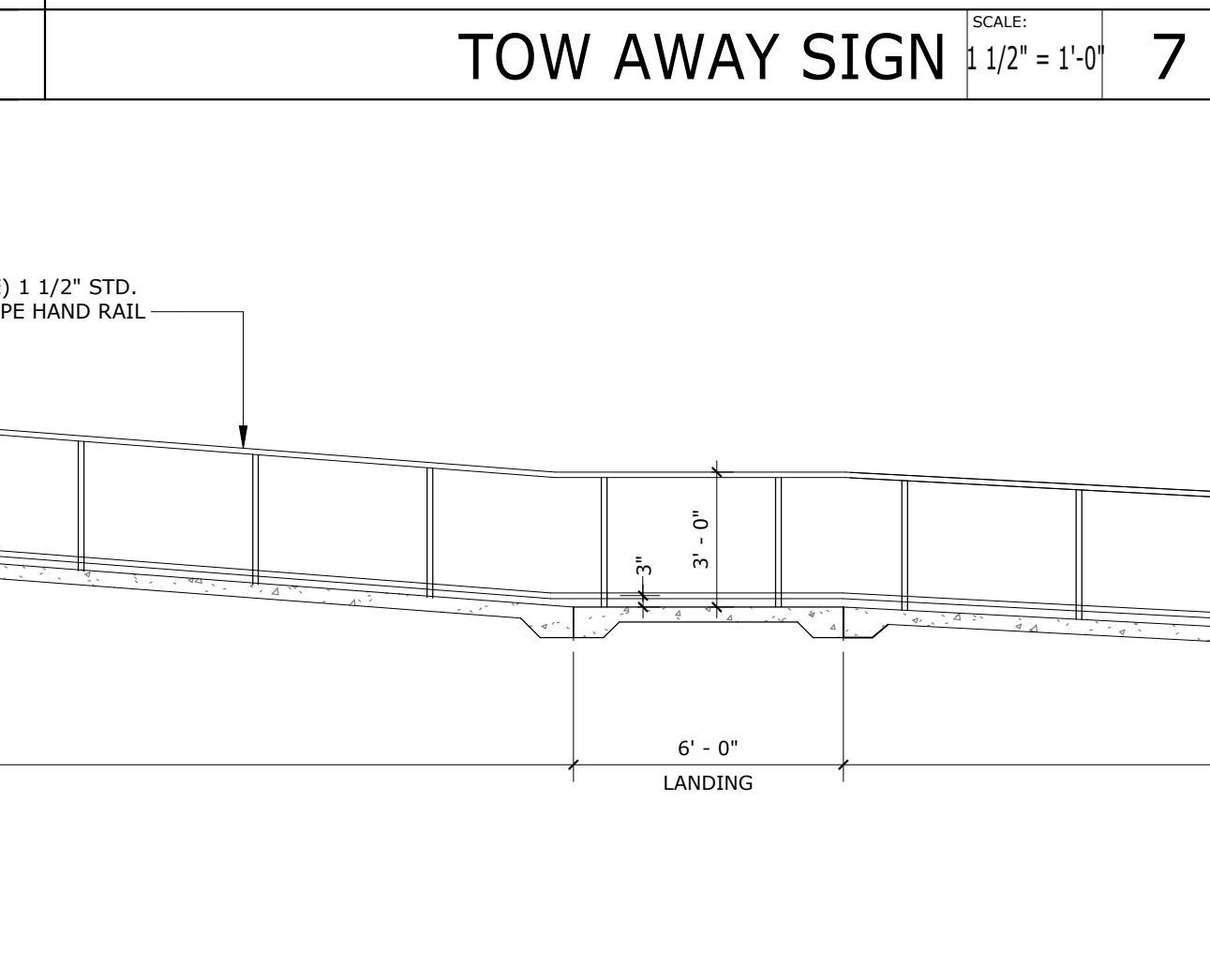
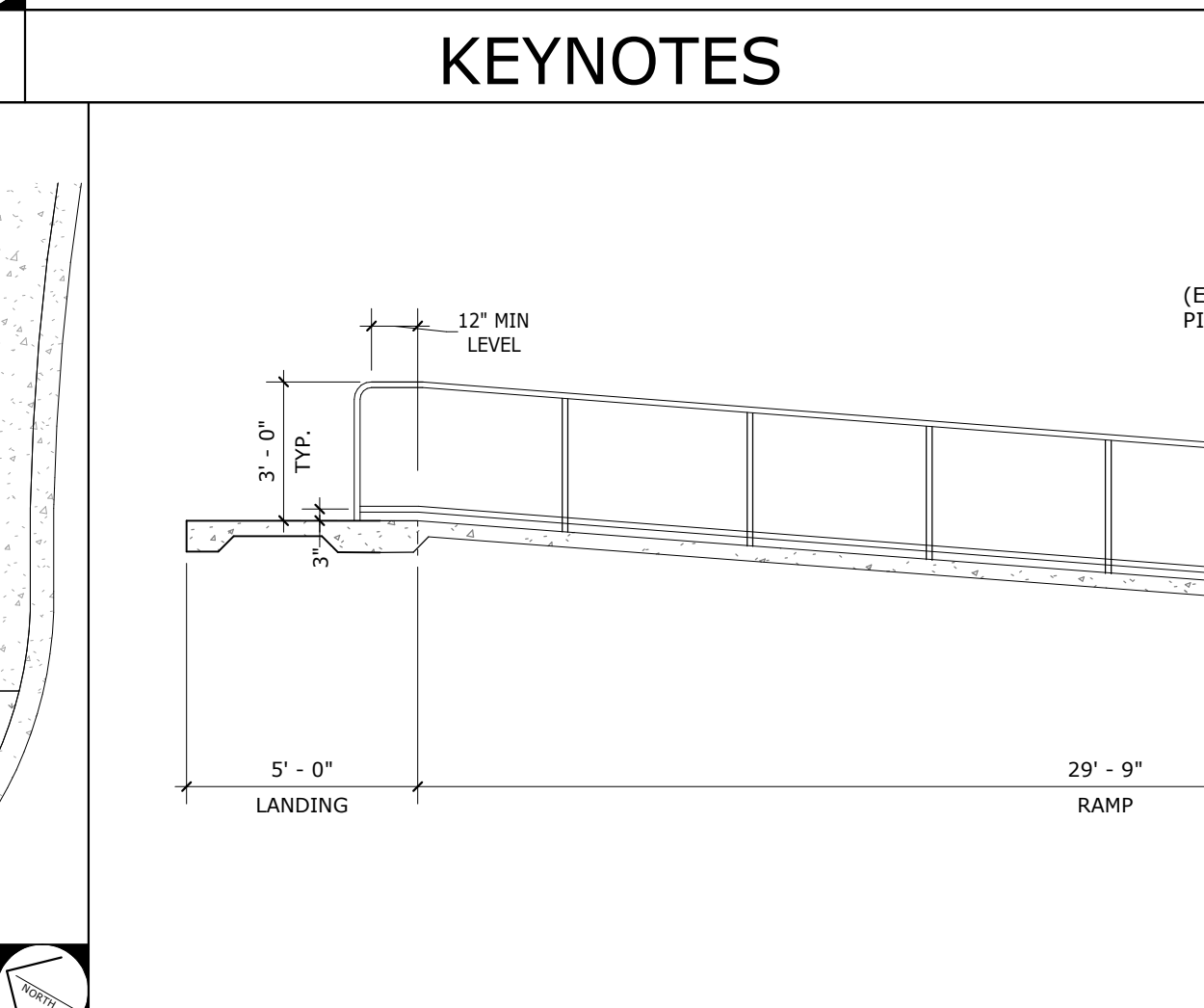
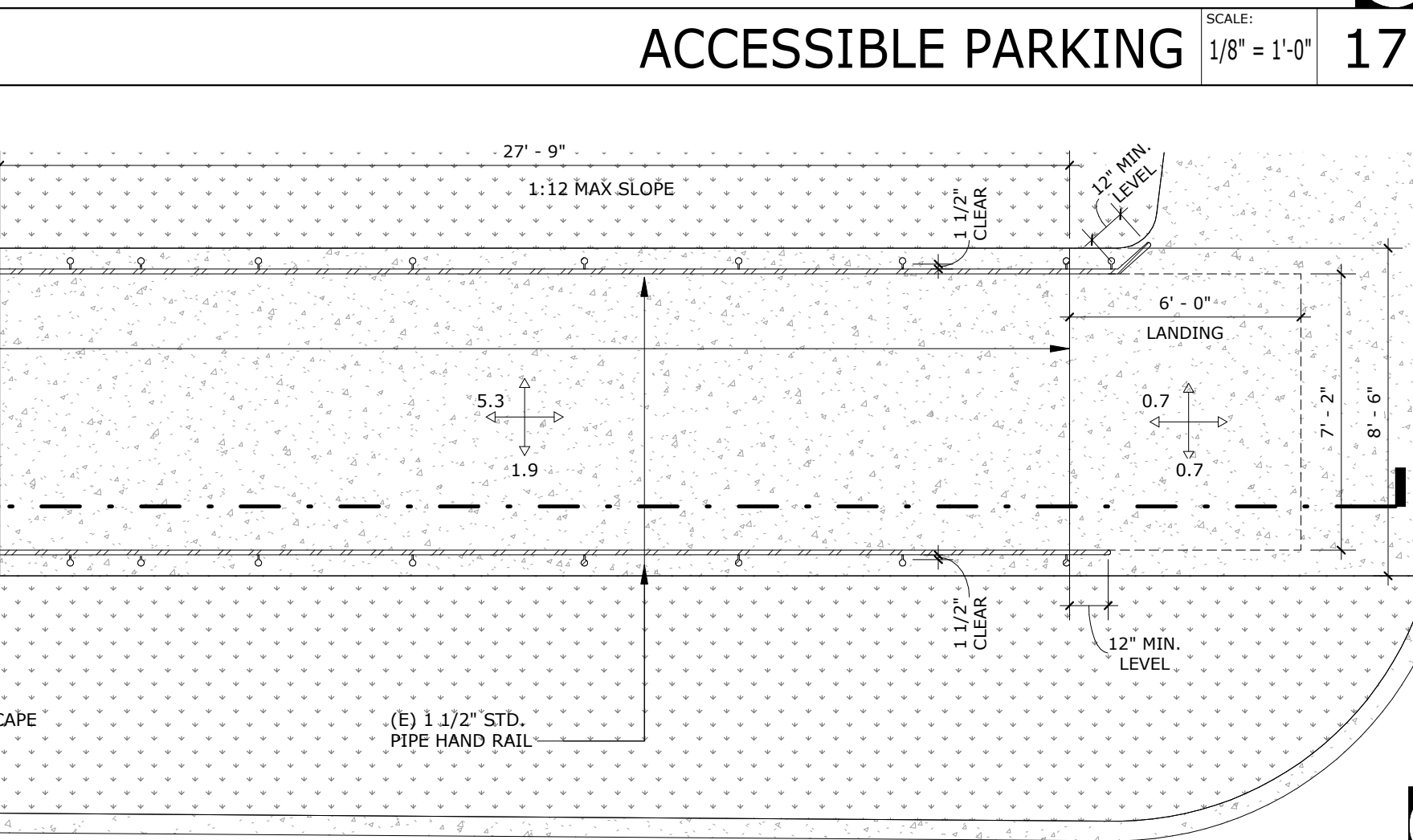
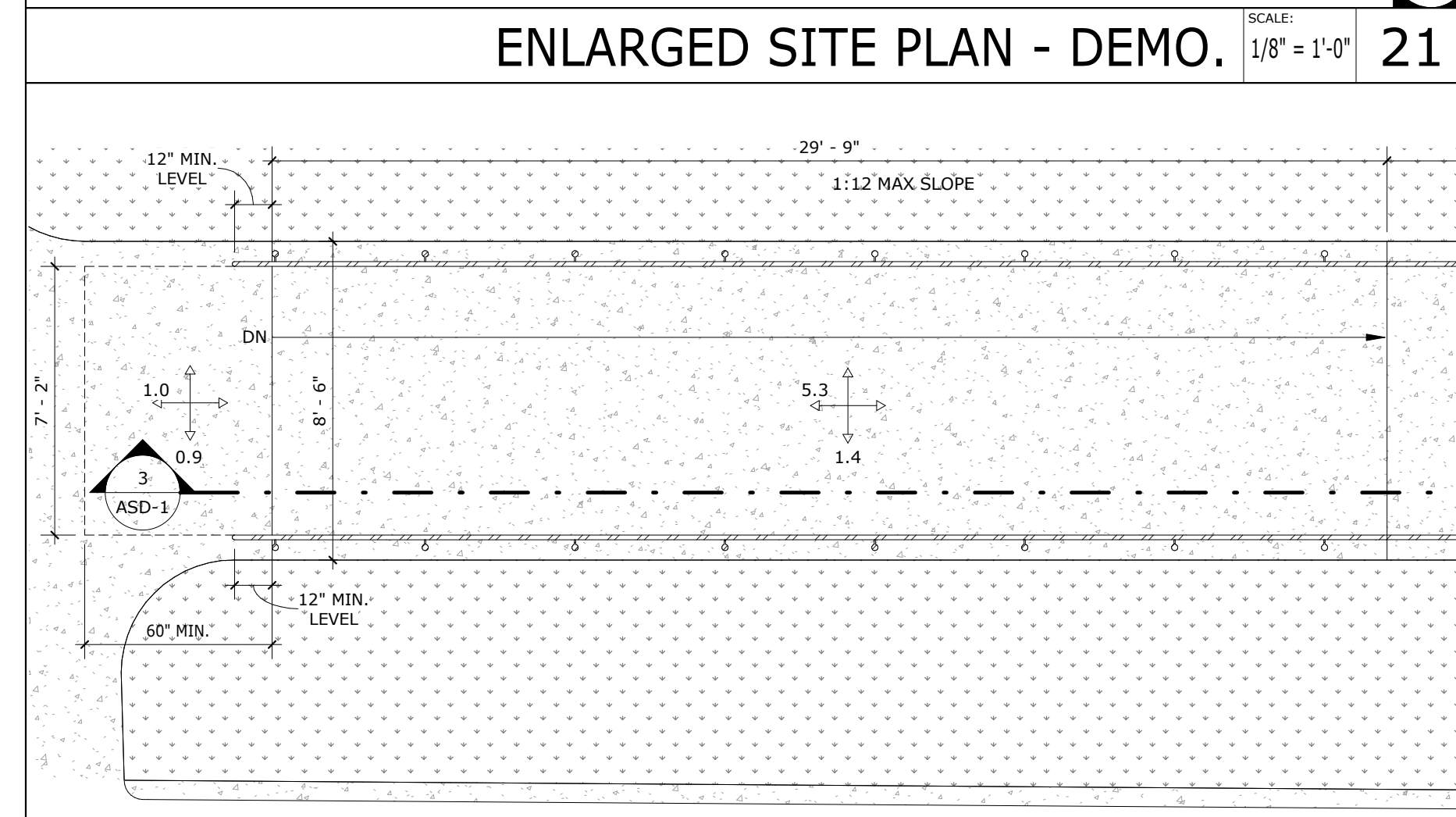
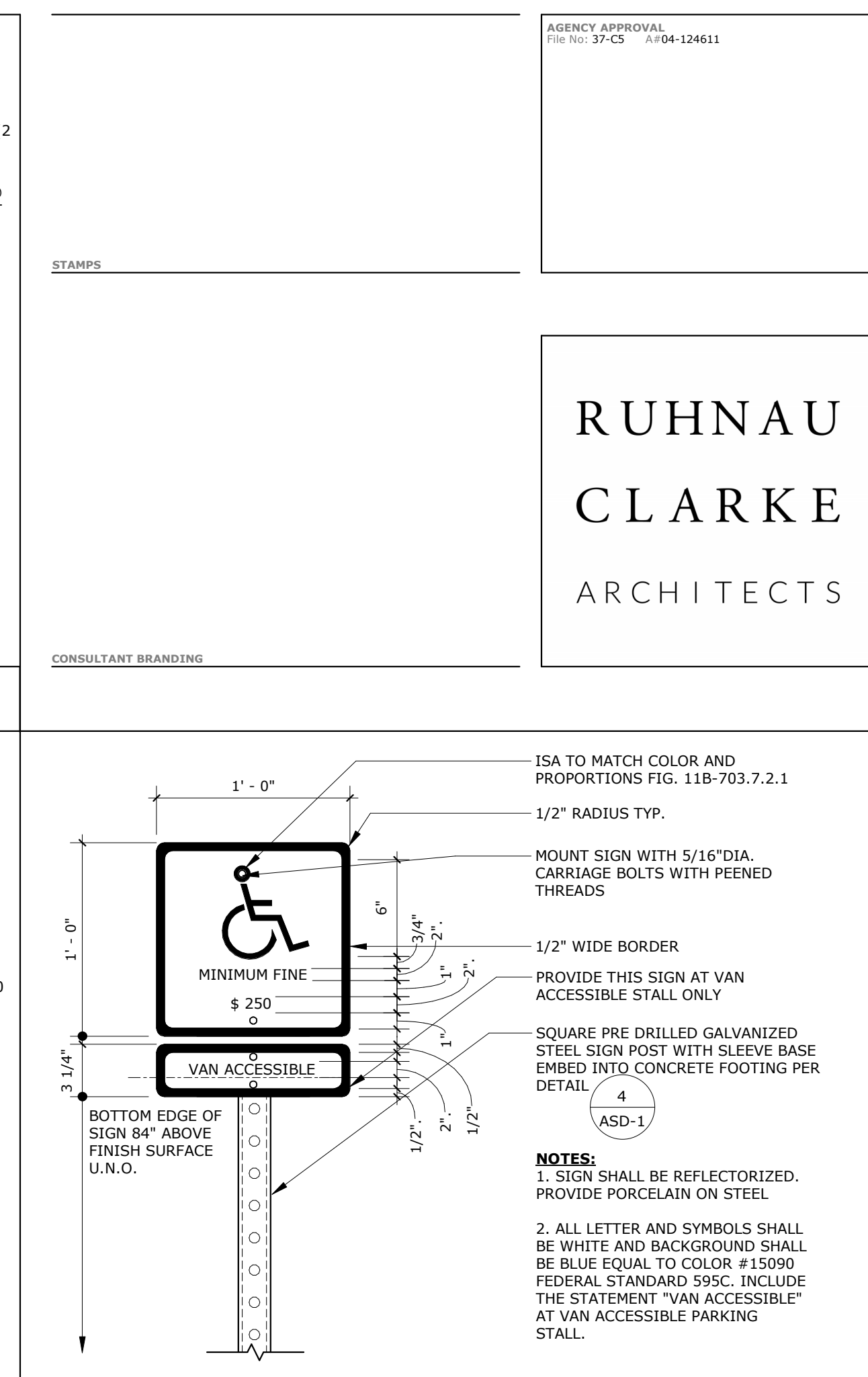
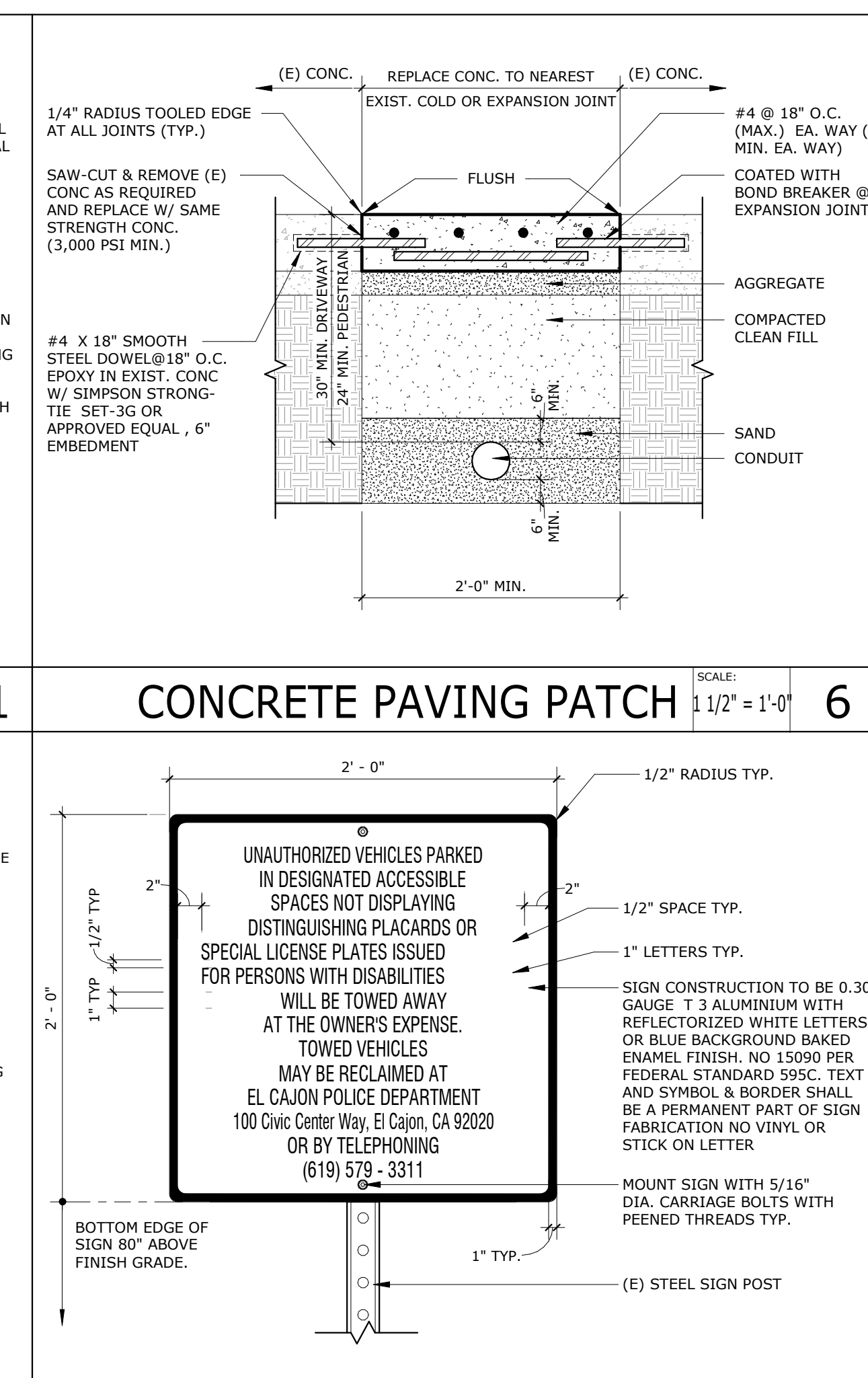
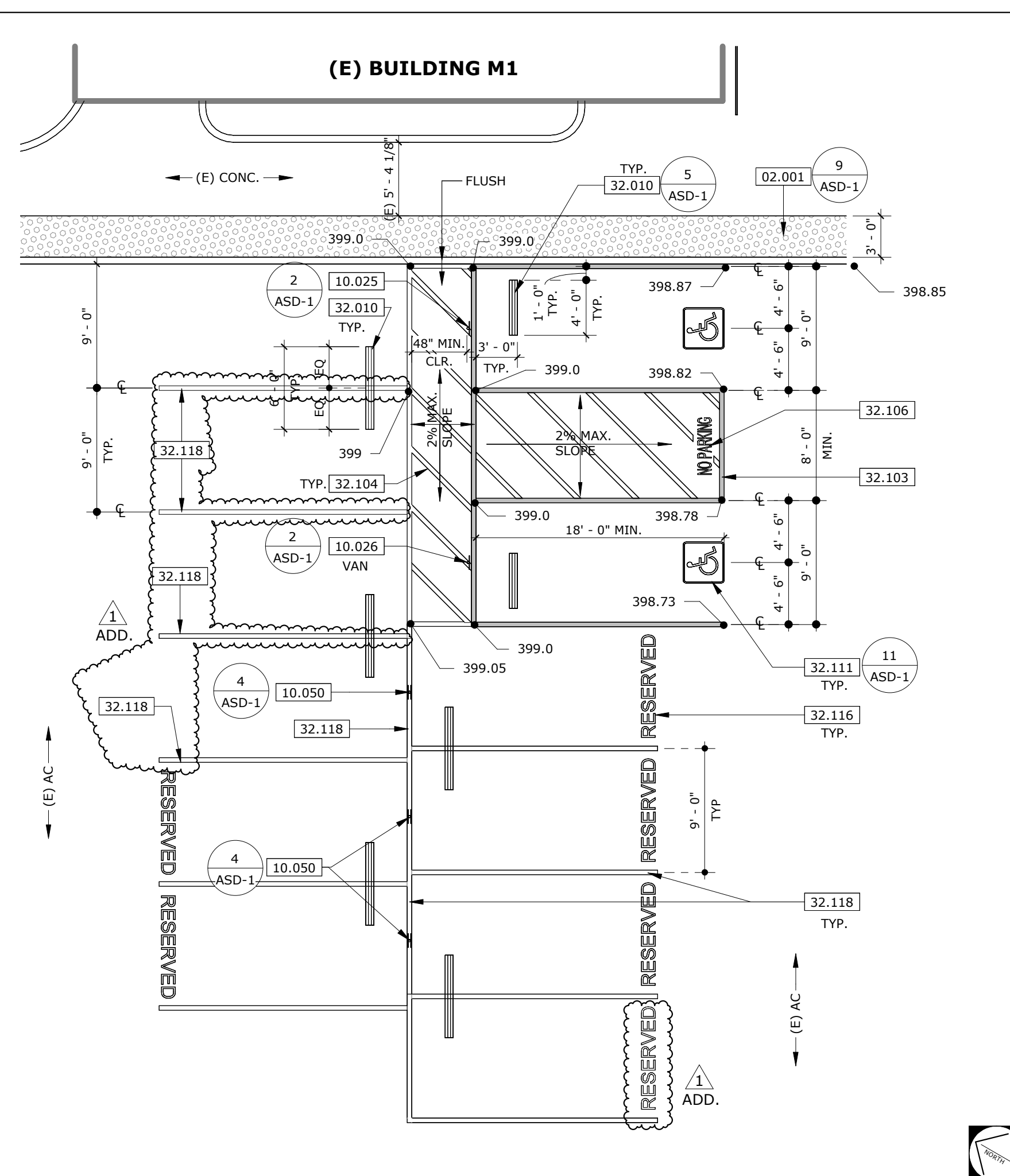
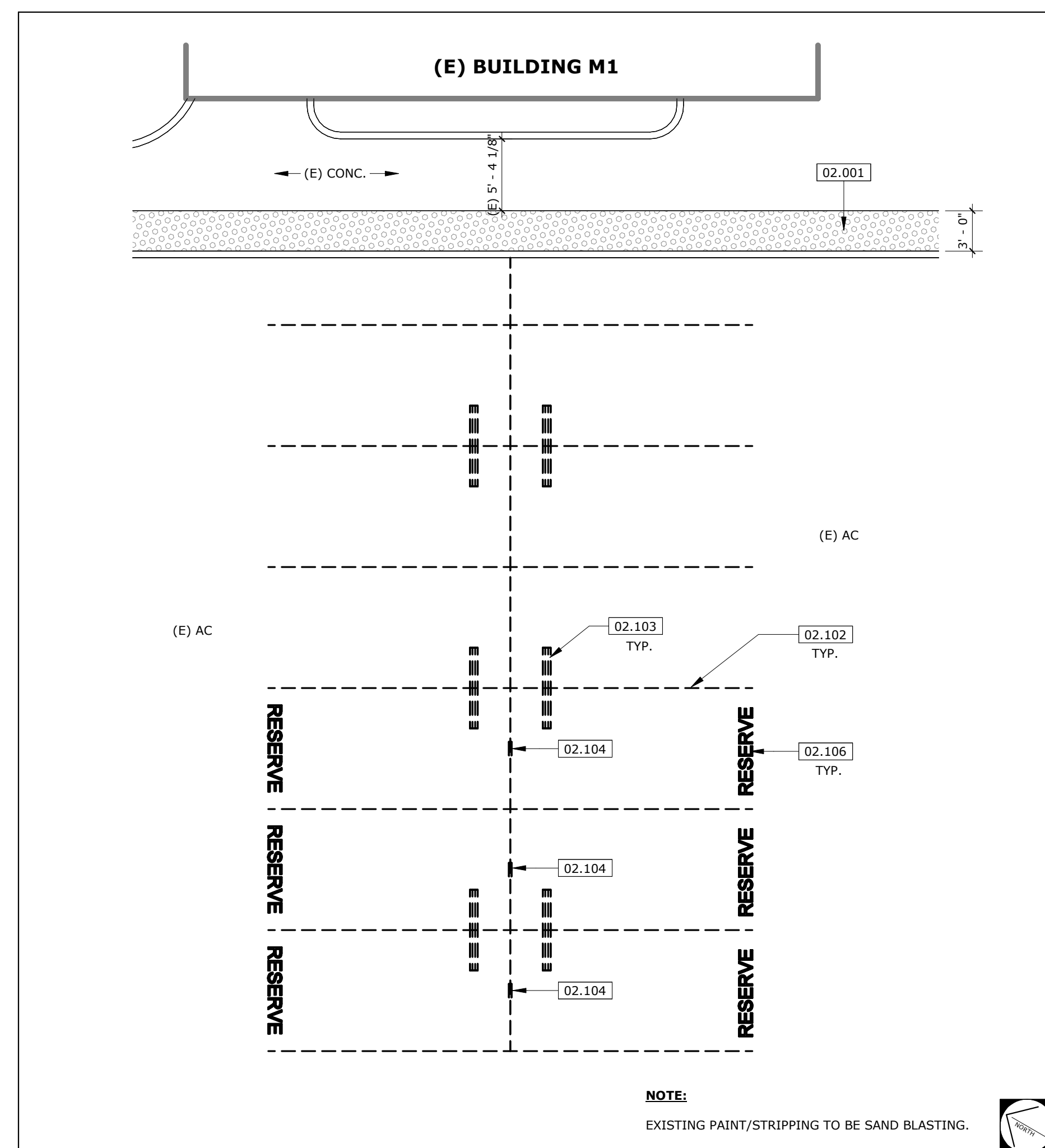
3.04 FIELD QUALITY CONTROL

- A. Inspect signs for information content, appearance, location and Braille per as noted in Section 01 45 33 - Code-Required Special Inspections and Procedures.
- B. Inspect signs for information content, appearance, location and Braille:
 - 1. Prior to issuance of a final Certificate of Occupancy, Enforcing Agency shall verify installation of signs for information content, appearance, location and Braille per CBC Section 11B-703.1.1.2.
 - a. Inspection includes, but not limited to:
 - 1) Braille dots and cells are properly spaced and the size proportion and type raised characters are in compliance with these regulations.
 - 2) Sanitary facilities signage per CBC Section 11B-216.8 Toilet rooms and bathing rooms; and CBC Section 11B-703.7.2.6 Toilet and bathing facilities geometric symbols.
 - 3) Tactile exit signage per CBC 1013.4 and CBC Section 11B-216.4.1 Exit doors.

3.05 ADJUST AND CLEAN

- A. Repair damage to signs incurred during installation. Replace signs which cannot be repaired to new condition. Clean glass, frames, and other sign surfaces, adjust hardware for proper operation.

END OF SECTION



CONSULTANT BRANDIN

1. ALL NEW AUTO LIFTS TO BE OCFI
2. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR TO PROVIDE 1-COAT PRIMER & 2-COAT PAINT AT FULL BUILDING EXTERIOR, INCLUDING:
 - * EXTERIOR PLASTER
 - * EXPOSED STEEL ELEMENTS
 - * EDGE FLASHING
 - * WALL TRIM
 - * DOORS
 - * DOOR FRAMES
 - * GATE BOTH SIDES
 - * BOLLARDS
 - * HANDRAILS
 - * PIPE COLUMNS
 - * HALLWAY CEILINGS
 - * METAL ROOF STRUCTURE AT CENTER OF BUILDING
LIGHTS AND LOUVER'S COVERS
4. ADD:
CONTRACTOR TO TEMPORARILY REMOVE ANY EXISTING ELEMENTS FROM SURFACES TO RECEIVE NEW PAINT AND REINSTALL PER EXISTING CONDITIONS.
5. ELEMENTS TO EXCLUDE:
 - * ROLL-UP DOORS
 - * CHW WALL
 - * COLUMNS
6. ALL REMOVED EQUIPMENT SHALL BE INDIVIDUALLY PALLETIZED AND STORED IN CONTRACTOR LAYDOWN YARD AND TO BE SECURED TO PALLET AND READY FOR TRANSPORTATION. GAFCON TO PROVIDE DIRECTION REGARDING STORAGE LOCATION
7. CONTRACTOR TO TRIM TREES AS NEEDED FOR APPLICATION OF ALL PAINTING JOB.
8. ENTIRE BUILDING AND ALL AUTO BAY DOORS TO BE POWER WASHED, FRONT AND BACK
9. SPEAKER BOXES - REPLACE RUSTY PLATES AS REQUIRED
10. (E) WINDOW BLINDS IN ROOM K113 TO BE REMOVED
11. LIFT INSTALLATION CONTRACTOR REQUIRED TO HOLD D-40 LICENSE.
12. THE CONTRACTOR WILL BE REQUIRED TO GET AUTOLIFTS CERTIFICATION.
13. AUTOLIFTS INSTALLER MUST BE CERTIFIED BY THE LIFTS MANUFACTURER IN ORDER TO MAINTAIN THE WARRANTY.



2

02.004 (E) EXHAUST FAN PLATFORM ABOVE TO REMAIN

02.005 (E) AREA DRAIN TO REMAIN, PROTECT IN PLACE

02.006 (E) EXHAUST VENT TO REMAIN, PROTECT IN PLACE, REPLACE PLATES AS REQUIRED

02.007 (E) TRANSFORMER TO REMAIN, PROTECT IN PLACE

02.008 (E) FLOOR FINISH TO REMAIN, PROTECT IN PLACE

02.010 (E) CHU WALL TO REMAIN, PROTECT IN PLACE

02.011 (E) ROLL-UP DOOR TO REMAIN, PROTECT IN PLACE

02.014 (E) COLUMN TO REMAIN, PROTECT IN PLACE

02.015 (E) DOOR & FRAME TO REMAIN, PROTECT IN PLACE

02.020 (E) STEEL GATE TO REMAIN, PROTECT IN PLACE

02.021 (E) BOLLARDS TO REMAIN, PROTECT IN PLACE, AND PAINT SAFETY YELLOW

02.023 (E) SEMI-RECESSED FIRE EXTINGUISHER, CLAS. 2-A, 10B-C, MAXIMUM TRAVEL DISTANCE IDENTIFIED ON PLANS, PER CBC 2025 SECTION 906

02.024 (E) AWNING TO REMAIN, PROTECT IN PLACE, AND PAINT CYANUMBA BLUE (P-2)

02.025 (E) TREADS SHOWING TO REMAIN, PROTECT IN PLACE, AND PAINT CYANUMBA BLUE (P-2)

02.026 (E) HANDRAILS TO REMAIN, PROTECT IN PLACE, AND PAINT CYANUMBA BLUE (P-2)

02.031 (E) LIGHTS AND LIGHT FIXTURES TO REMAIN, PROTECT IN PLACE, TO BE PAINTED BLUE REMOVE (E) AUTO LIFT EQUIPMENT AND RETURN TO CLIENT, TYP.

02.105 (E) SAW CUT/REMOVE (E) CHU WALL FOR NEW DOOR OPENING

02.108 (E) SAW CUT/REMOVE (E) CONCRETE SLAB FOR NEW FOOTING OF AUTO LIFT, SEE MODERNIZATION PLAN FOR ACTUAL LOCATION

02.109 (E) CHAIRING

02.110 (E) 4'-8" POST LIFT (TORY CLAPQ) TO BE ANCHORED TO (E) CONCRETE FLOORING PER STRUCTURAL DRAWINGS

02.321 AUTO LIFT CONCRETE FOOTING, SEE STRUCTURAL DRAWINGS FOR DETAILS

10.046 DIRECTIONAL SIGNAGE FOR ADA AUTO LIFT EQUIPMENT

10.047 (E) DIMENSION: 120" LONG, 12" HIGH, 12" WIDE, 12" DEEP, HANG FROM (E) STRUCTURE WITH CHAIN AND BOLT CLAMP PER MANUFACTURER INSTRUCTIONS

11.001 OPTI BLINK EV CHARGER WITH WALL MOUNT ASSEMBLY, REFER TO DETAIL 7/1-A-2, SEE STRUCTURAL DRAWINGS FOR DETAILS

11.002 AUTO LIFT, MAX CAPACITY 10,000 LBS. BASIS OF DESIGN: CHALLENGER LIFT MODEL, CL10, CL10-4

14.102 AUTO LIFT, MAX CAPACITY 12,000 LBS. BASIS OF DESIGN: CHALLENGER LIFT MODEL, CL12A-3C, CPCL

14.103 IN-GROUND LIFT, MAX CAPACITY 12,000 LBS. BASIS OF DESIGN: CHALLENGER W1220, CPCL

22.005 AUTO LIFT, MAX CAPACITY 12,000 LBS. BASIS OF DESIGN: CHALLENGER LIFT MODEL, CL12A-3C, CPCL

22.005 AUTO LIFT, MAX CAPACITY 12,000 LBS. BASIS OF DESIGN: CHALLENGER LIFT MODEL, CL12A-3C, CPCL

22.015 AUTO LIFT, MAX CAPACITY 12,000 LBS. BASIS OF DESIGN: CHALLENGER LIFT MODEL, CL12A-3C, CPCL

22.015 WIDE CONTRASTING COLOR STRIPPING, TYP. AT EACH BAY

 (E) FLOOR FINISH TO REMAIN. PROTECT IN PLACE

 PREPARE (E) CONCRETE SURFACE TO RECEIVE (N) EPOXY ACRYLIC FINISH. SHOT-BLAST OR MECHANICALLY ABRASE (E) SURFACE. FILL ALL LARGE CRACKS, VOIDS AND IMPERFECTIONS. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS.

 SAW CUT/REMOVE (E) CONCRETE SLAB FOR NEW FLOORING OF AUTO LIFT. SEE, MODIFICATION PLAN FOR ACTUAL LOCATION

 EPOXY ACRYLIC PAINT WITH ANTI-SLIP FINISH. CONTRACTOR TO REMOVE (E) FINISH AS REQUIRED PER MANUFACTURER INSTRUCTIONS

 BASIS OF DESIGN PRODUCT: SERIES 208 EPOXOPRIME MVT MANUFACTURED BY TNEC.
SEE SPEC 09 67 00 FOR ADDITIONAL INFORMATION.

 NOT IN SCOPE OF WORK, U.O.O.

BUILDING K AUTO LIFTS REPLACEMENT PROJECT: 2026-07-15 DSA APPROVAL SET

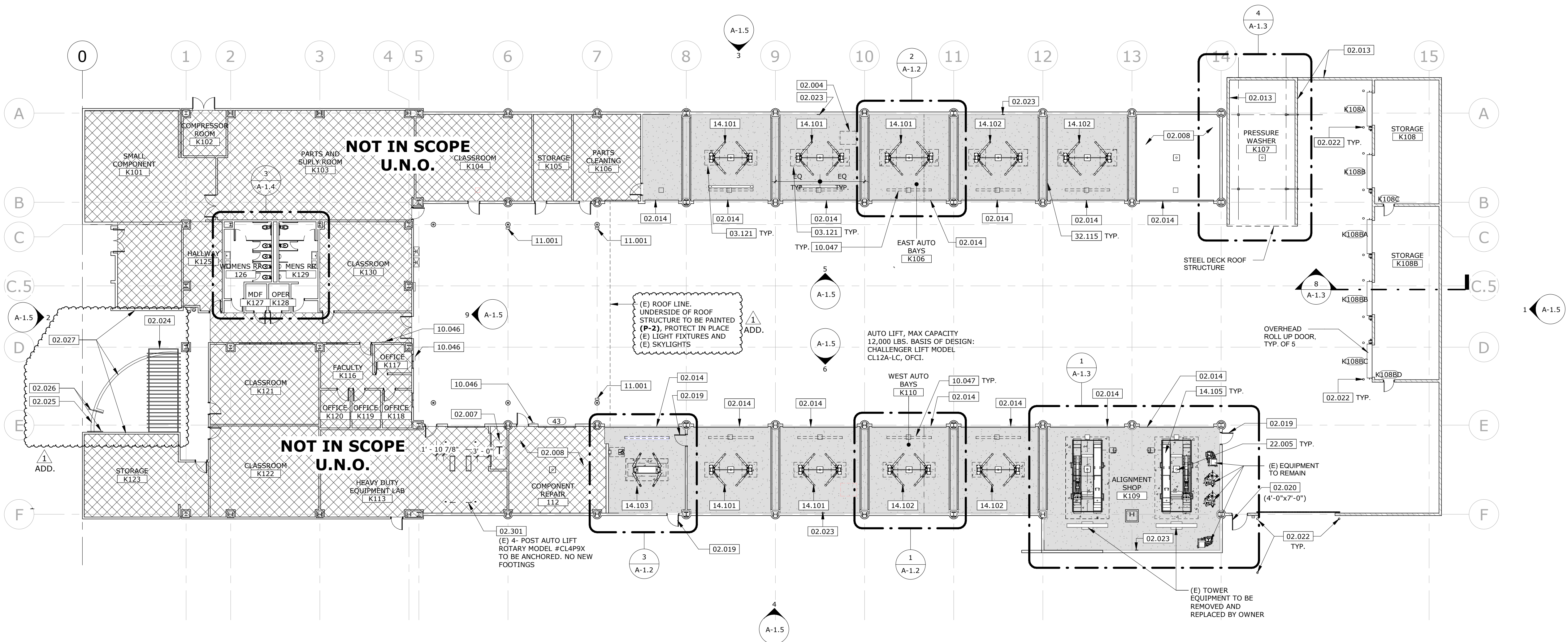
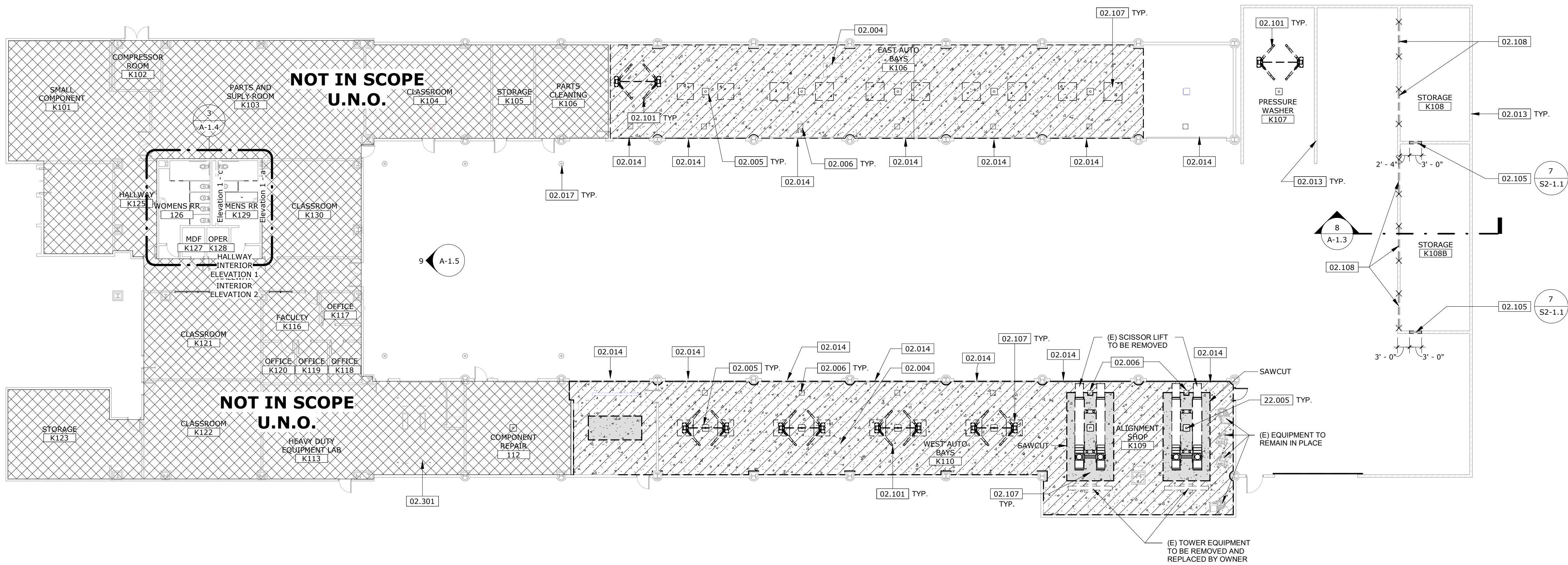


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BUILDING K
NEW AND DEMO FLOOR
PLAN

A-1.1

1-110.01



PROJECT No. :1-110-01
9/3/2026 11:40:02 AM

DRAWN BY: _____ CHECKED BY: _____

DELTA # 1 DATE 08.21.2026 ☒ ADD ☐ AFO ☐ CCD ☐ REV

DELTA # _____ DATE _____ ☐ ADD ☐ AFO ☐ CCD ☐ REV

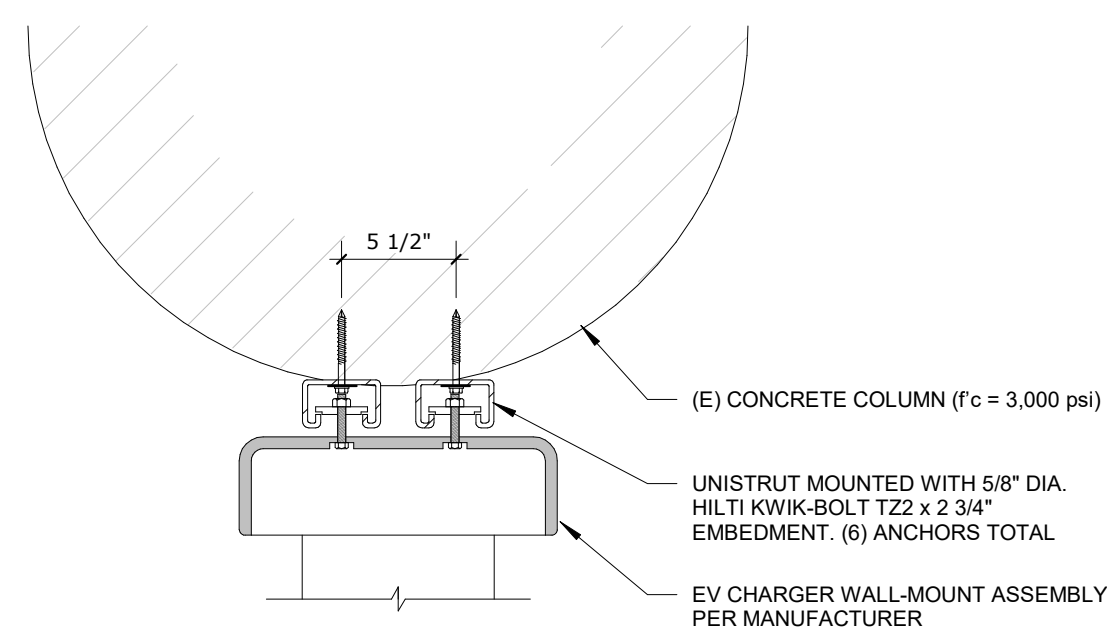
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DELTA # _____ DATE _____ ☐ ADD ☐ AFO ☐ CCD ☐ REV

RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684 4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438 5899 / 801 16TH STREET SACRAMENTO, CA 95814 (916) 379 8111

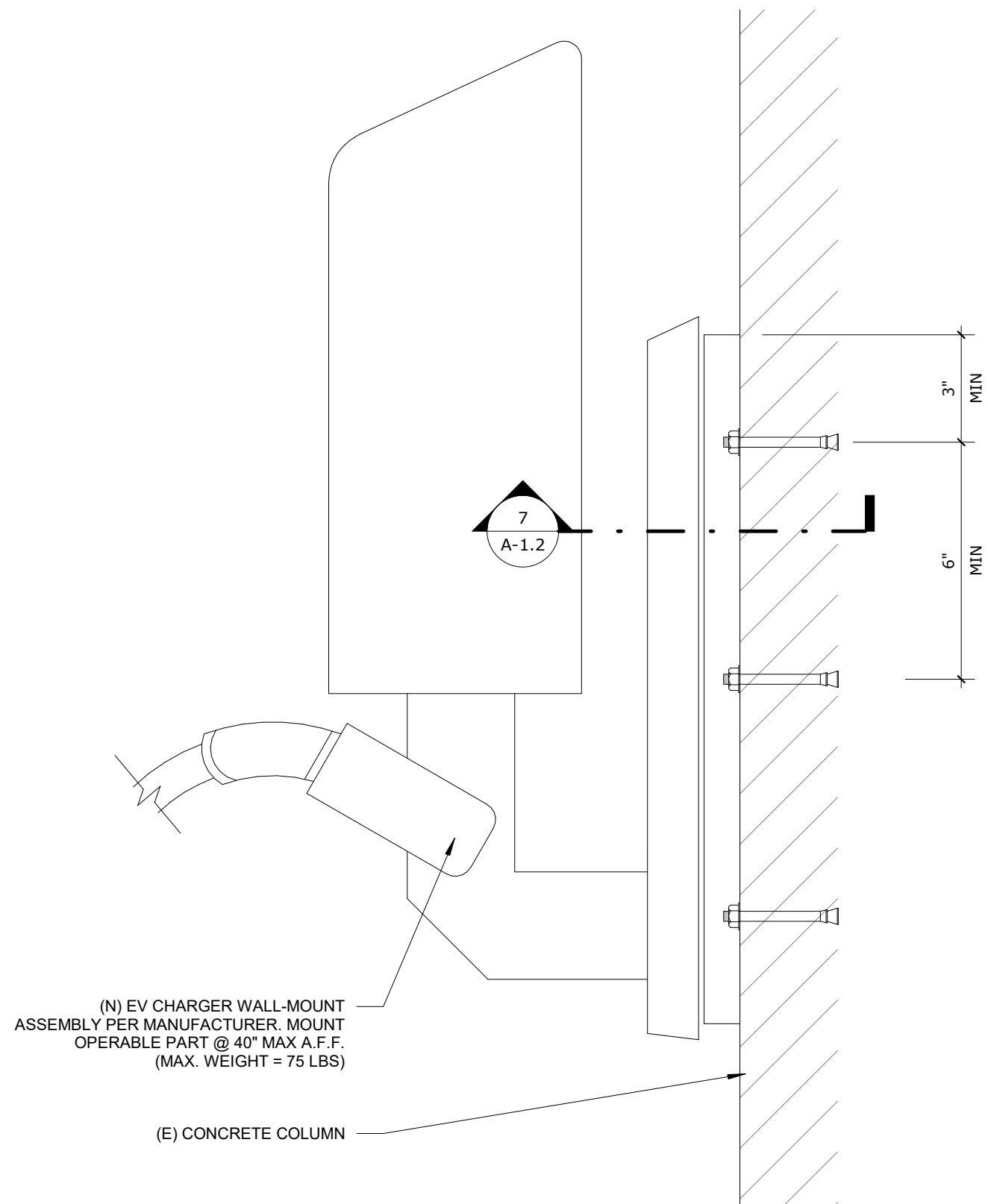
**CUYAMACA COMMUNITY COLLEGE
900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019
GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT**



EV CHARGER MOUNTING DETAIL

SCALE: 3" = 1'-0"

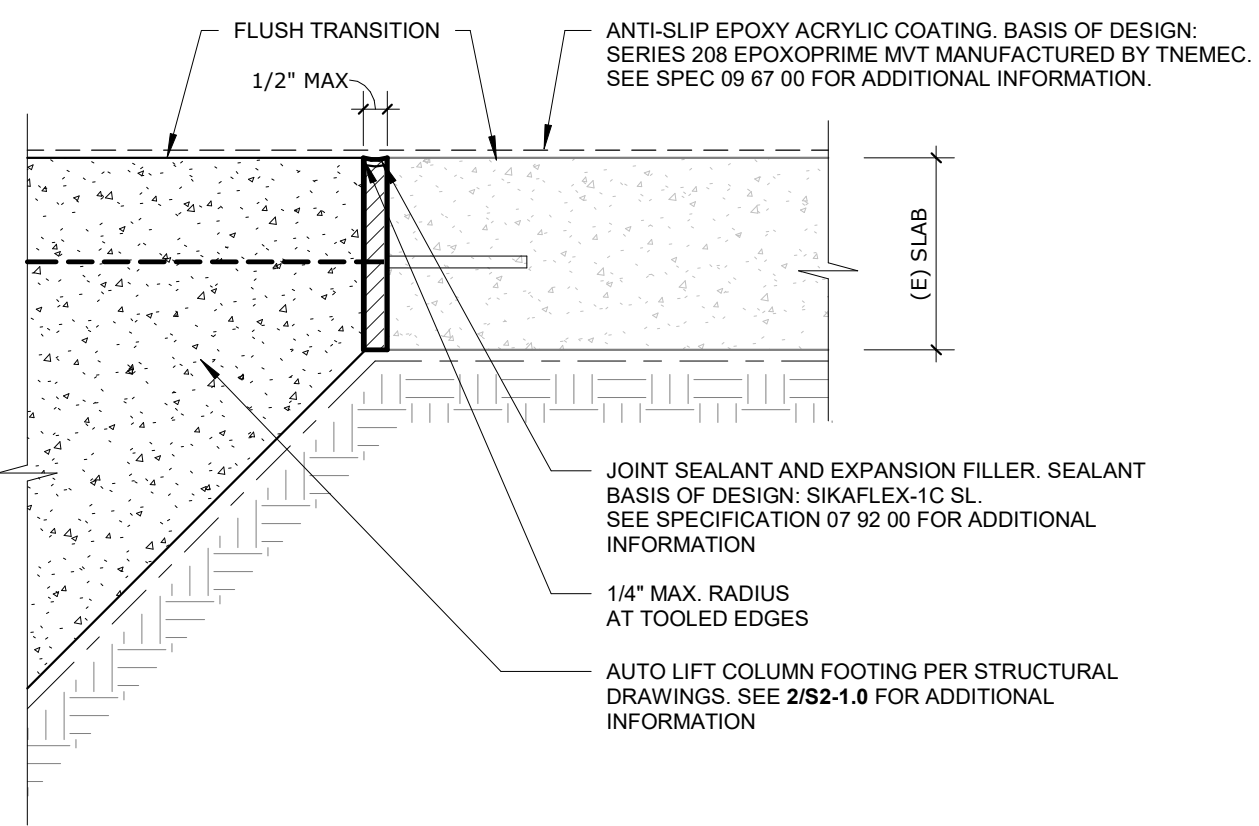
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EV CHARGER ELEVATION

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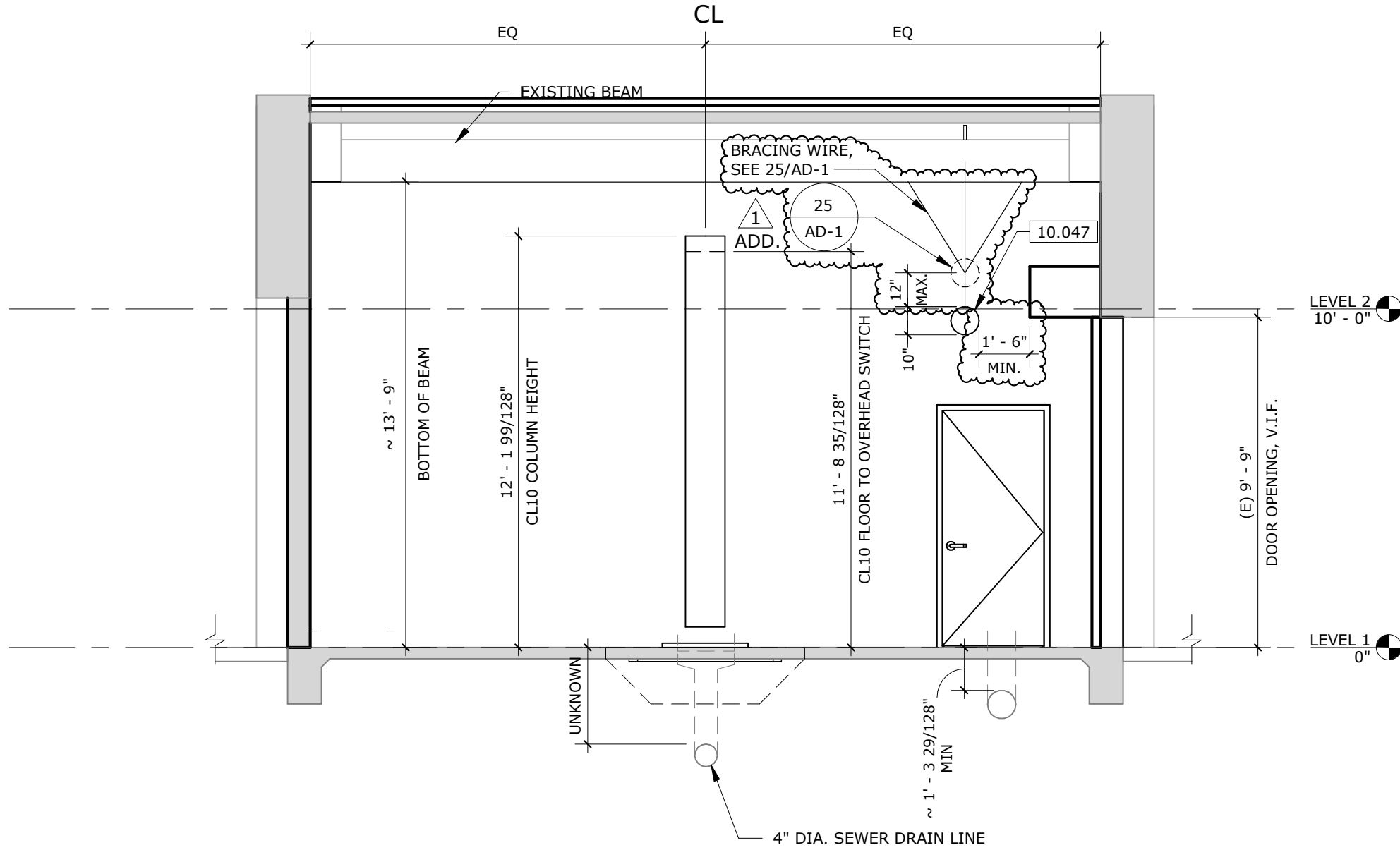
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(N) CONCRETE TO (E) CONCRETE

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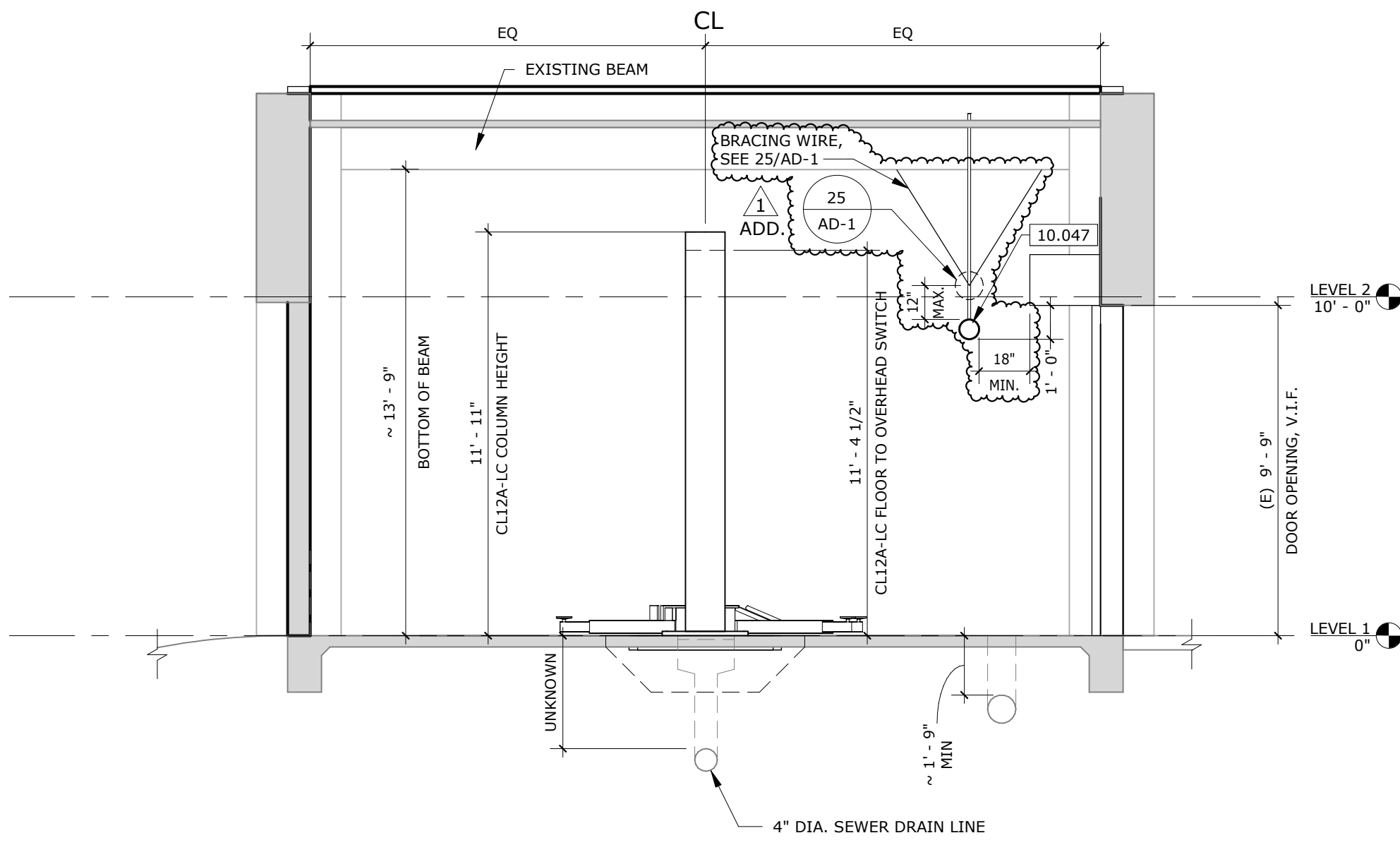
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CL10 TYPICAL SECTION

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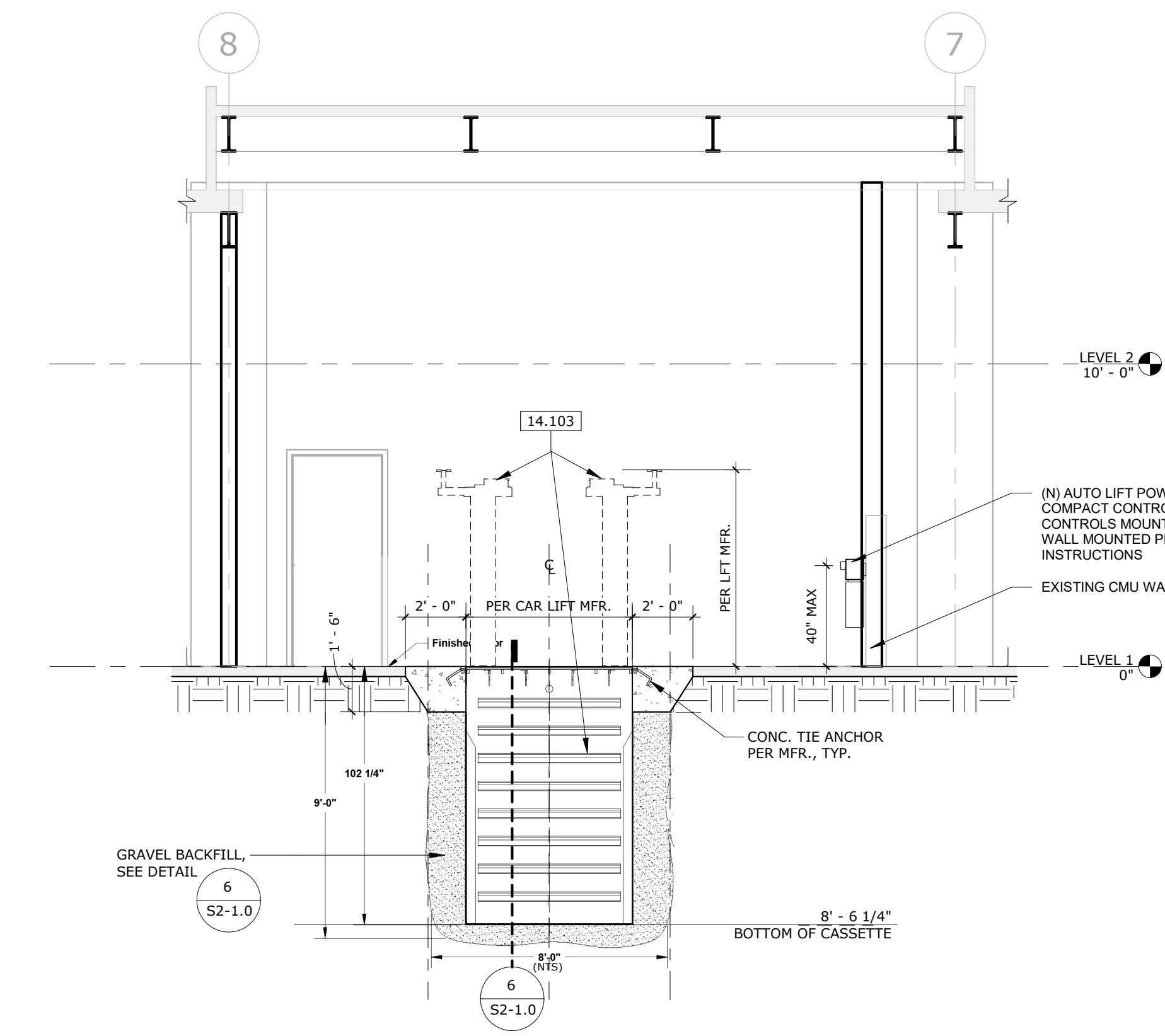
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CL12A-LC TYPICAL SECTION

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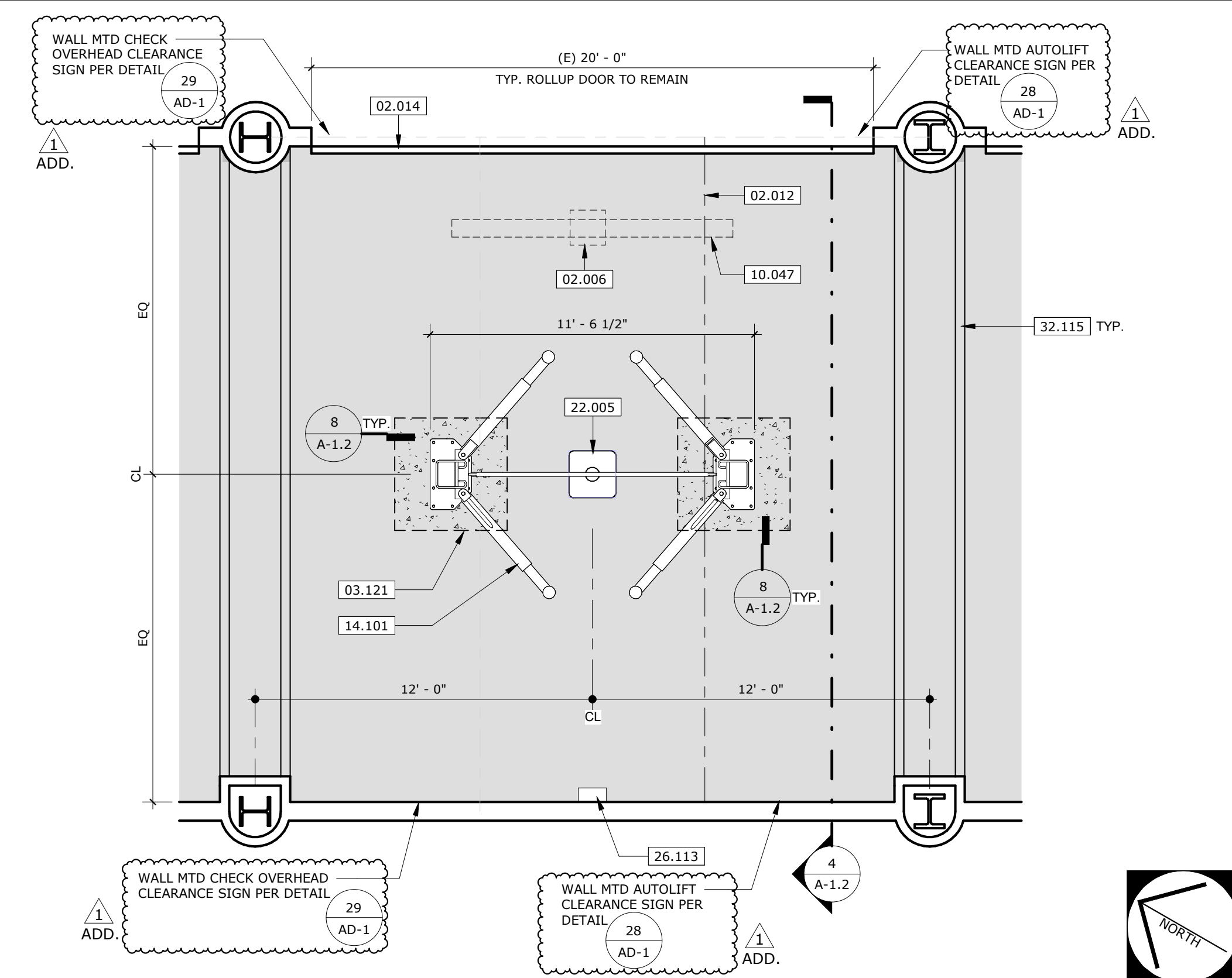
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EV-1220 SECTION AT CLASSROOM K112

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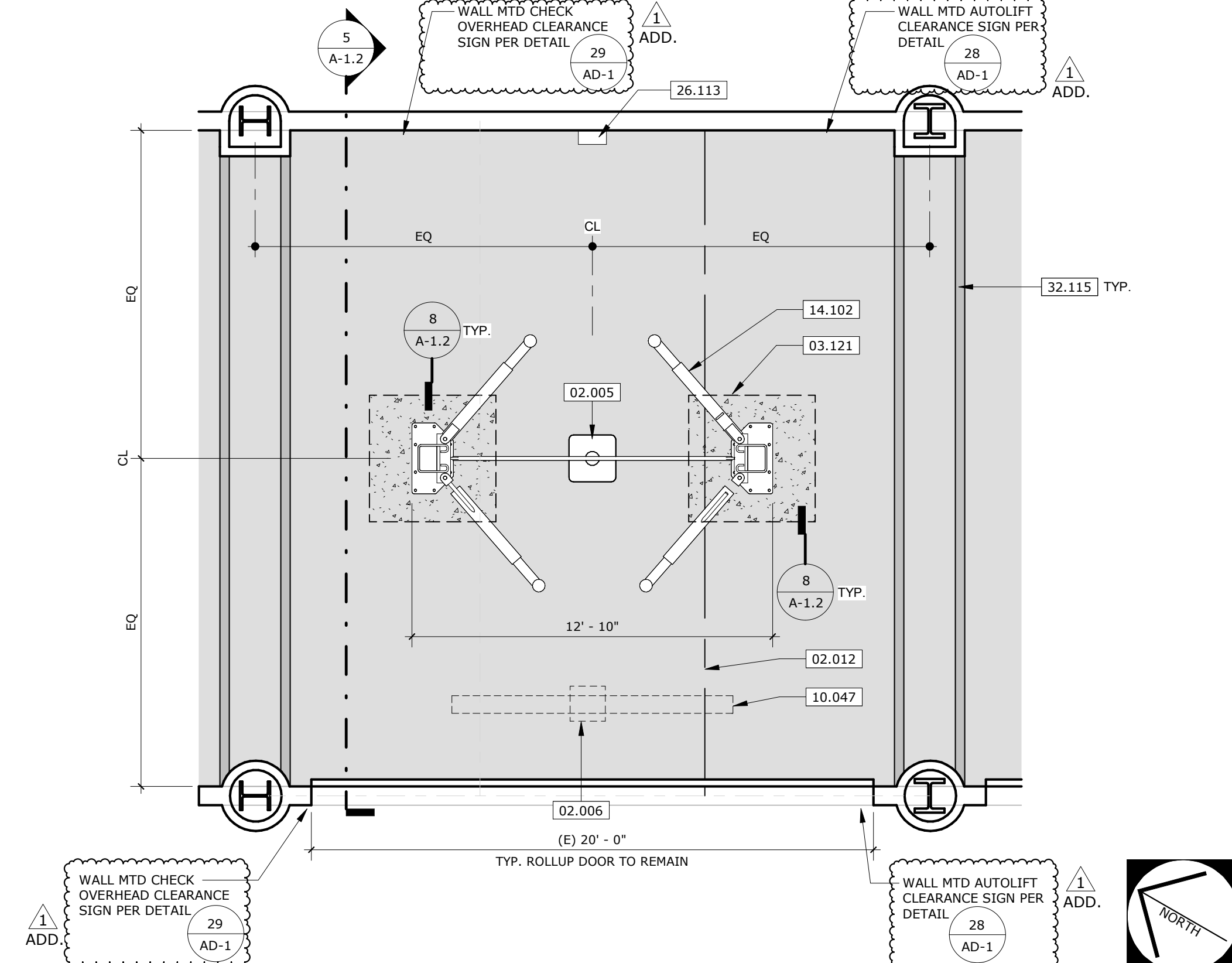
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BUILDING K - TYPICAL CL10 LIFT PLAN

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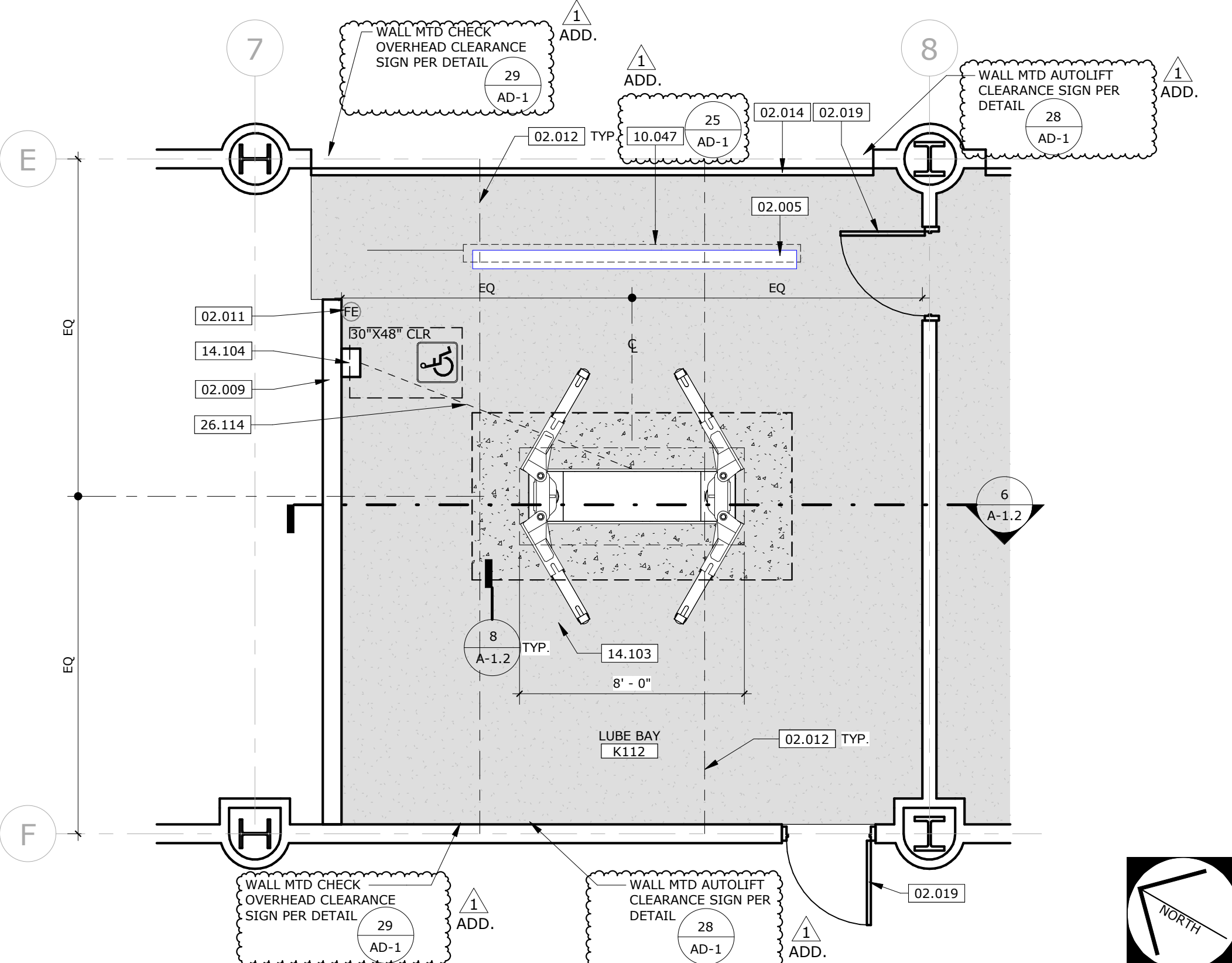
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BUILDING K - TYPICAL CL12A-LC LIFT PLAN

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

2



K112 FLOOR PLAN - INGROUND AUTO LIFT

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

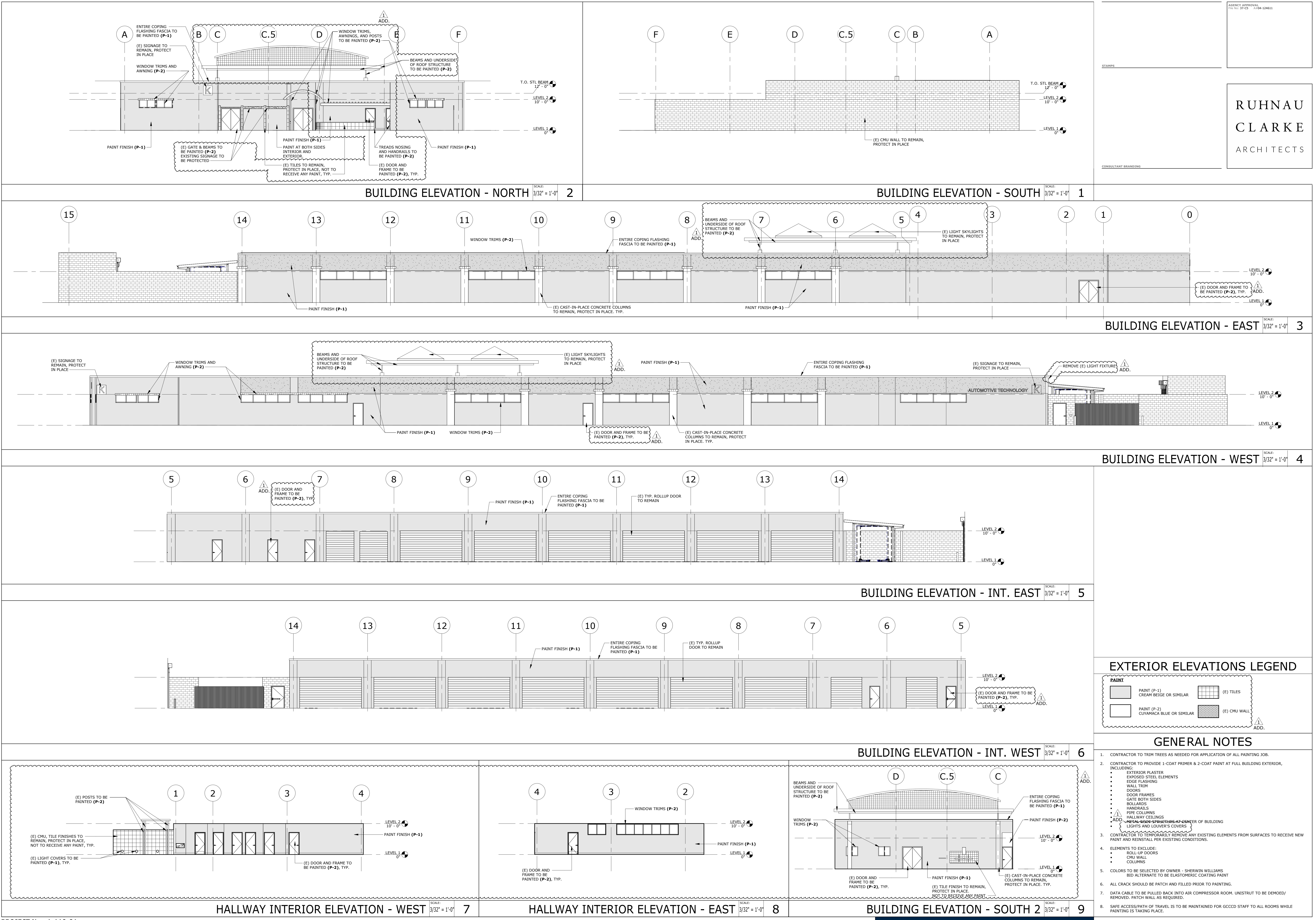
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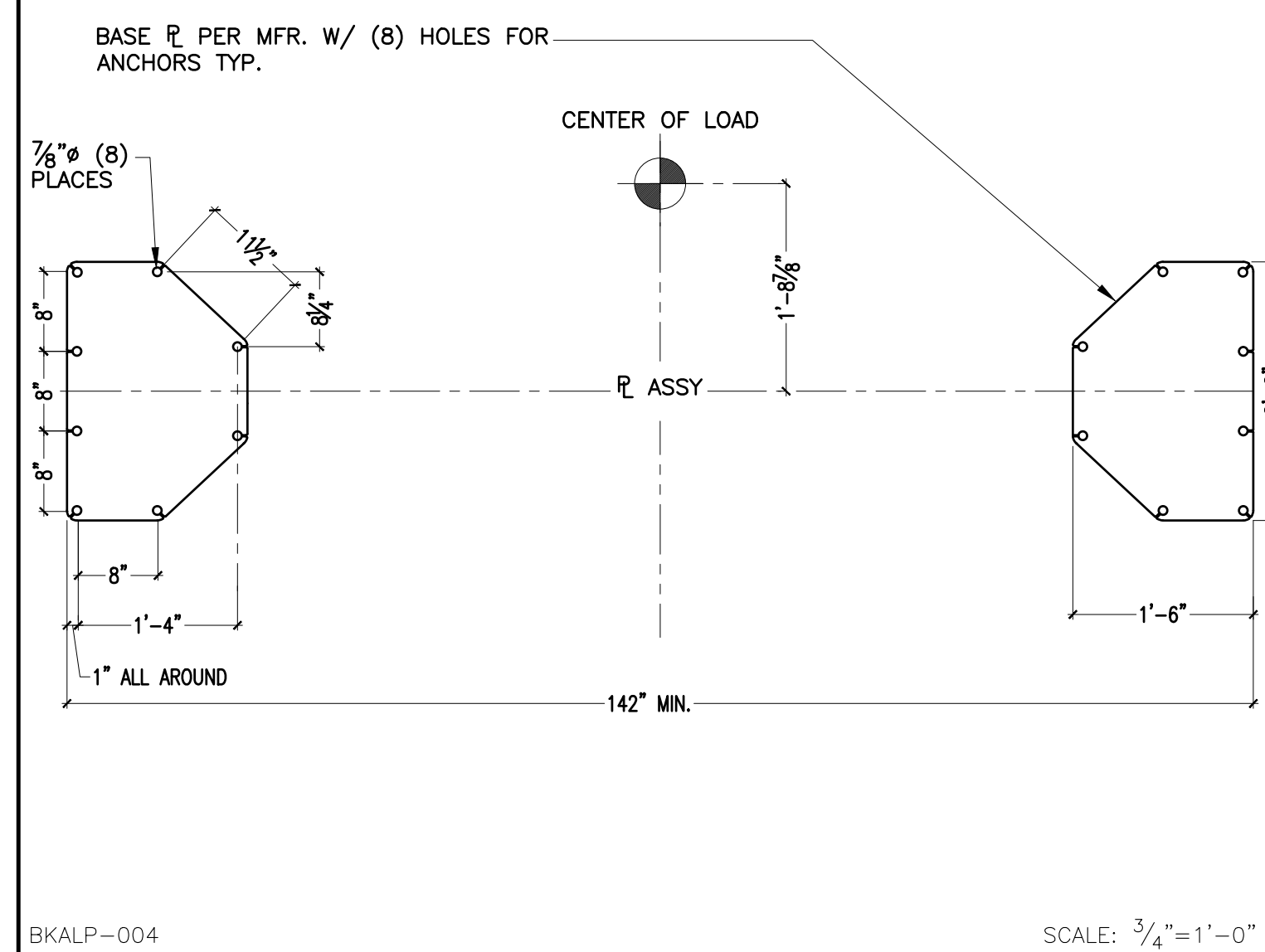
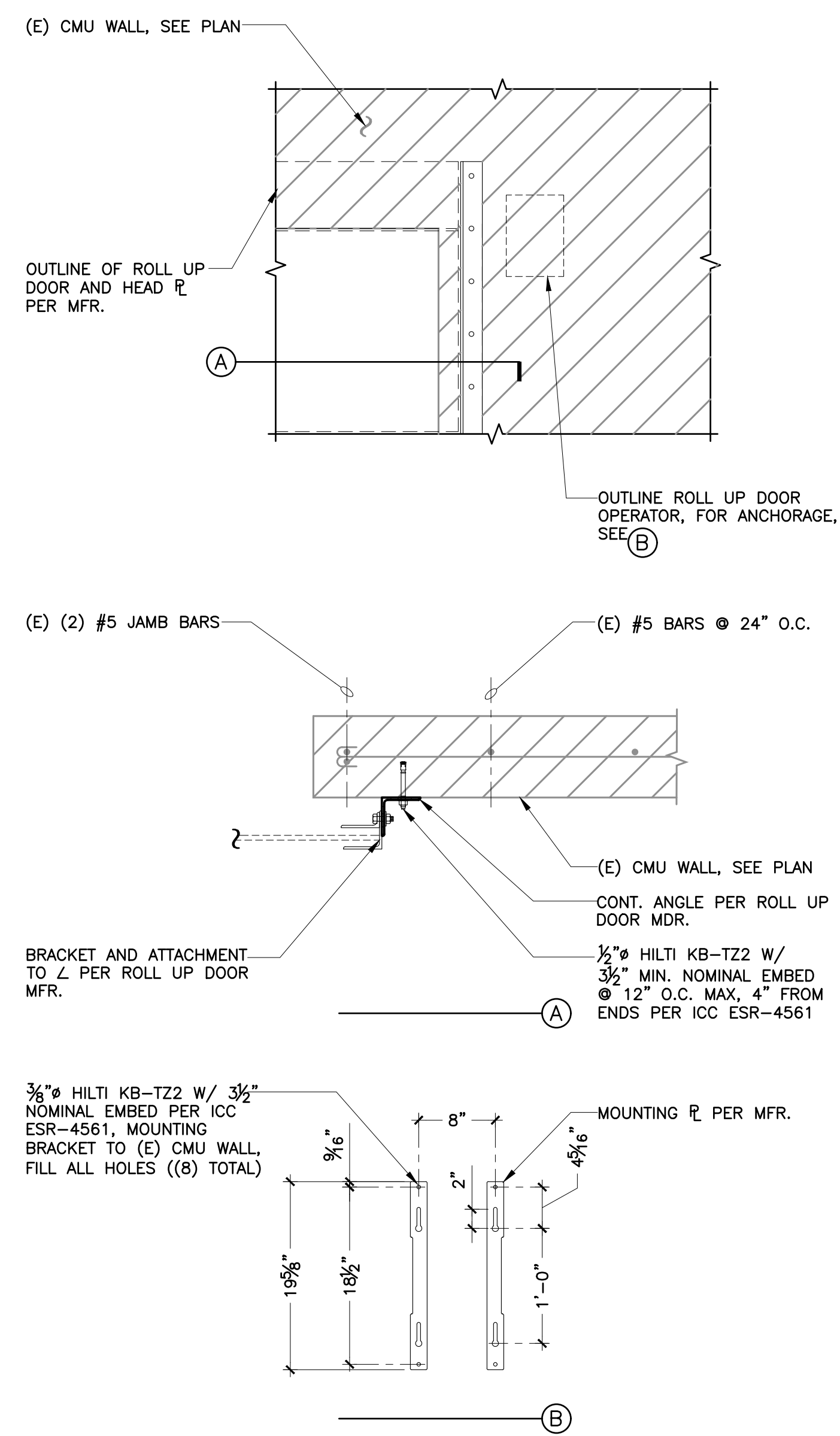
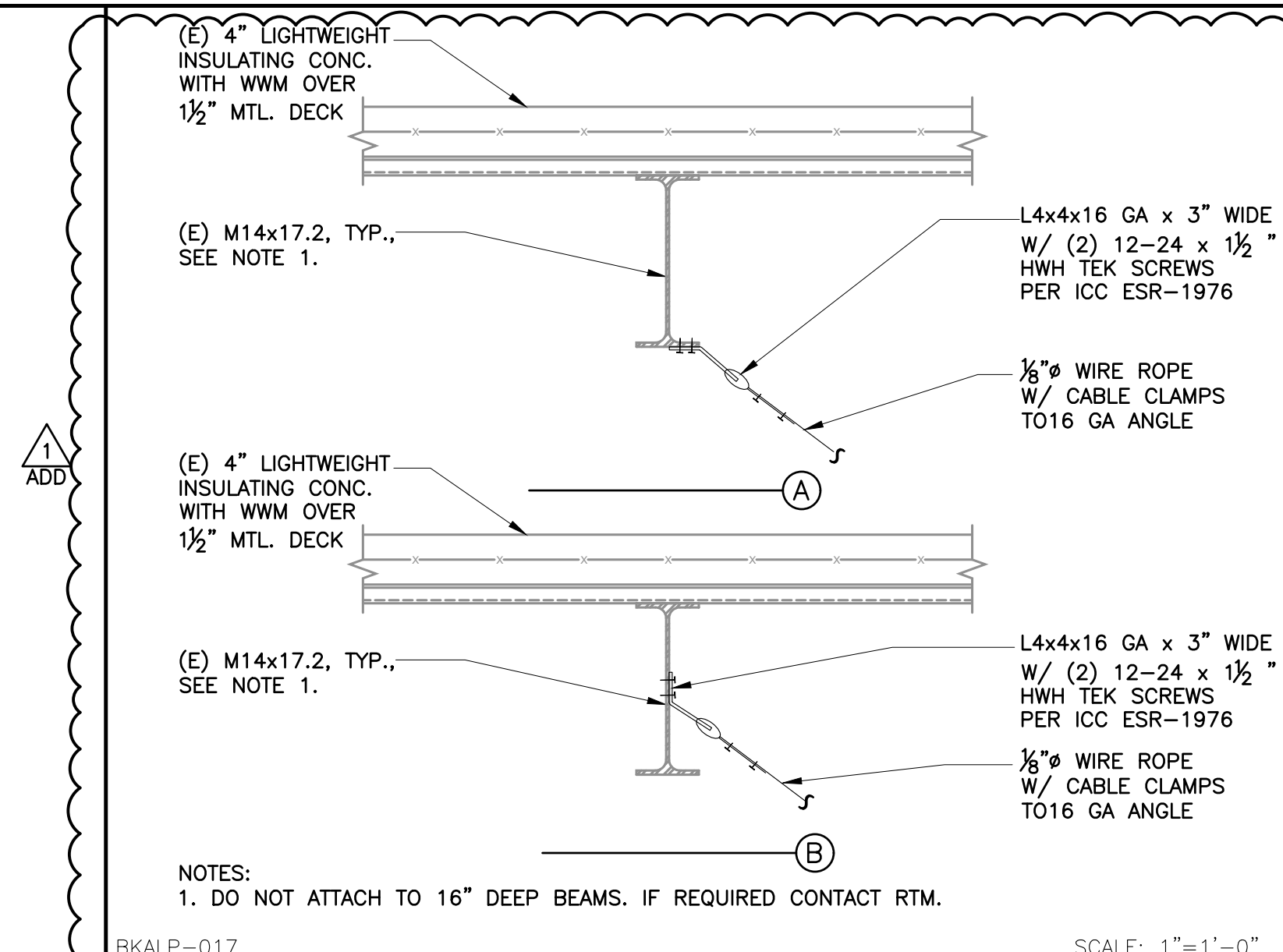
AGENCY APPROVAL
FIG. NO. 37-05 3/104-124611

RUHNAU
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- ### GENERAL NOTES
- ALL NEW AUTO LIFTS TO BE OFCI
 - VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO PROVIDE 1-COAT PRIMER & 2-COAT PAINT AT FULL BUILDING EXTERIOR, INCLUDING:
 - EXTERIOR PLASTER
 - EXPOSED STEEL ELEMENTS
 - EDGE FLASHING
 - WALL TRIM
 - DOORS
 - DOOR FRAMES
 - GATE BOTH SIDES
 - BOLLARDS
 - HANDRAILS
 - PIPE COLUMNS
 - HALLWAY CEILINGS
 - STEEL ROOF STRUCTURE AT CENTER OF BUILDING
 - LIGHTS AND LOUVER'S COVERS
 - CONTRACTOR TO TEMPORARILY REMOVE ANY EXISTING ELEMENTS FROM SURFACES TO RECEIVE NEW PAINT AND REINSTALL PER EXISTING CONDITIONS.
 - ELEMENTS TO EXCLUDE:
 - ROLL-UP DOORS
 - CMU WALL
 - COLUMNS
 - ALL REMOVED EQUIPMENT SHALL BE INDIVIDUALLY PALLETIZED AND STORED IN CONTRACTOR LAYDOWN YARD AND TO BE SECURED TO PALLET AND READY FOR TRANSPORTATION. GAFCON TO PROVIDE DIRECTION REGARDING STORAGE LOCATION.
 - CONTRACTOR TO TRIM TREES AS NEEDED FOR APPLICATION OF ALL PAINTING JOB.
 - ENTIRE BUILDING AND ALL AUTO BAY DOORS TO BE POWER WASHED, FRONT AND BACK
 - SPEAKER BOXES - REPLACE RUSTY PLATES AS REQUIRED
 - (E) WINDOW BLINDS IN ROOM K113 TO BE REMOVED
 - LIFT INSTALLATION CONTRACTOR REQUIRED TO HOLD D-40 LICENSE.
 - THE CONTRACTOR WILL BE REQUIRED TO GET AUTO LIFTS CERTIFICATION.
 - AUTO LIFTS INSTALLER MUST BE CERTIFIED BY THE LIFTS MANUFACTURER IN ORDER TO MAINTAIN THE WARRANTY.

- ### KEYNOTES
- | | |
|--------|--|
| 02.005 | (E) AREA DRAIN TO REMAIN. PROTECT IN PLACE |
| 02.006 | (E) EXHAUST VENT TO REMAIN. PROTECT IN PLACE. REPLACE PLATES AS REQUIRED |
| 02.009 | (E) CMU HALF-WALL TO REMAIN. PROTECT IN PLACE |
| 02.011 | (E) SURFACE MOUNTED FIRE EXTINGUISHER TO REMAIN. PROTECT IN PLACE |
| 02.012 | (E) EXPOSED ROOF STRUCTURE BEAM. PROTECT IN PLACE |
| 02.014 | (E) ROLL-UP DOOR TO REMAIN. PROTECT IN PLACE |
| 02.019 | (E) DOOR & FRAME TO REMAIN. PROTECT IN PLACE |
| 03.121 | AUTO LIFT CONCRETE FOOTING. SEE STRUCTURAL DRAWINGS FOR DETAILS |
| 10.047 | 7" DIAMETER X 120" LONG CLEARANCE HEIGHT PROTECTION BAR. HANG FROM (E) STRUCTURE WITH CHAIN AND BEAM CLAMP PER MANUFACTURER INSTRUCTIONS |
| 14.101 | AUTO LIFT, MAX CAPACITY 10,000 LBS. BASIS OF DESIGN: CHALLENGER LIFT MODEL CL10, OFCI |
| 14.102 | AUTO LIFT, MAX CAPACITY 12,000 LBS. BASIS OF DESIGN: CHALLENGER LIFT MODEL CL12A-LC, OFCI |
| 14.103 | IN-GROUND LIFT, MAX CAPACITY 12,000 LBS. BASIS OF DESIGN: CHALLENGER EV1220, OFCI |
| 14.104 | IN-GROUND LIFT POWER UNIT WITH COMPACT CONTROLS. MOUNT AT 40" MAX FROM FLOOR TO OPERABLE BUTTONS, OFCI |
| 22.005 | AREA DRAIN, PER PLUMBING DWGS |
| 26.113 | PROVIDE ELECTRICAL DISCONNECT AT BACKWALL OF EACH (N) AUTO LIFT |
| 26.114 | 2" PVC CONDUIT FOR CONTROLS; SEE ELECTRICAL DRAWINGS |
| 32.115 | 4" WIDE CONTRASTING COLOR STRIPPING, TYP. AT EACH BAY |

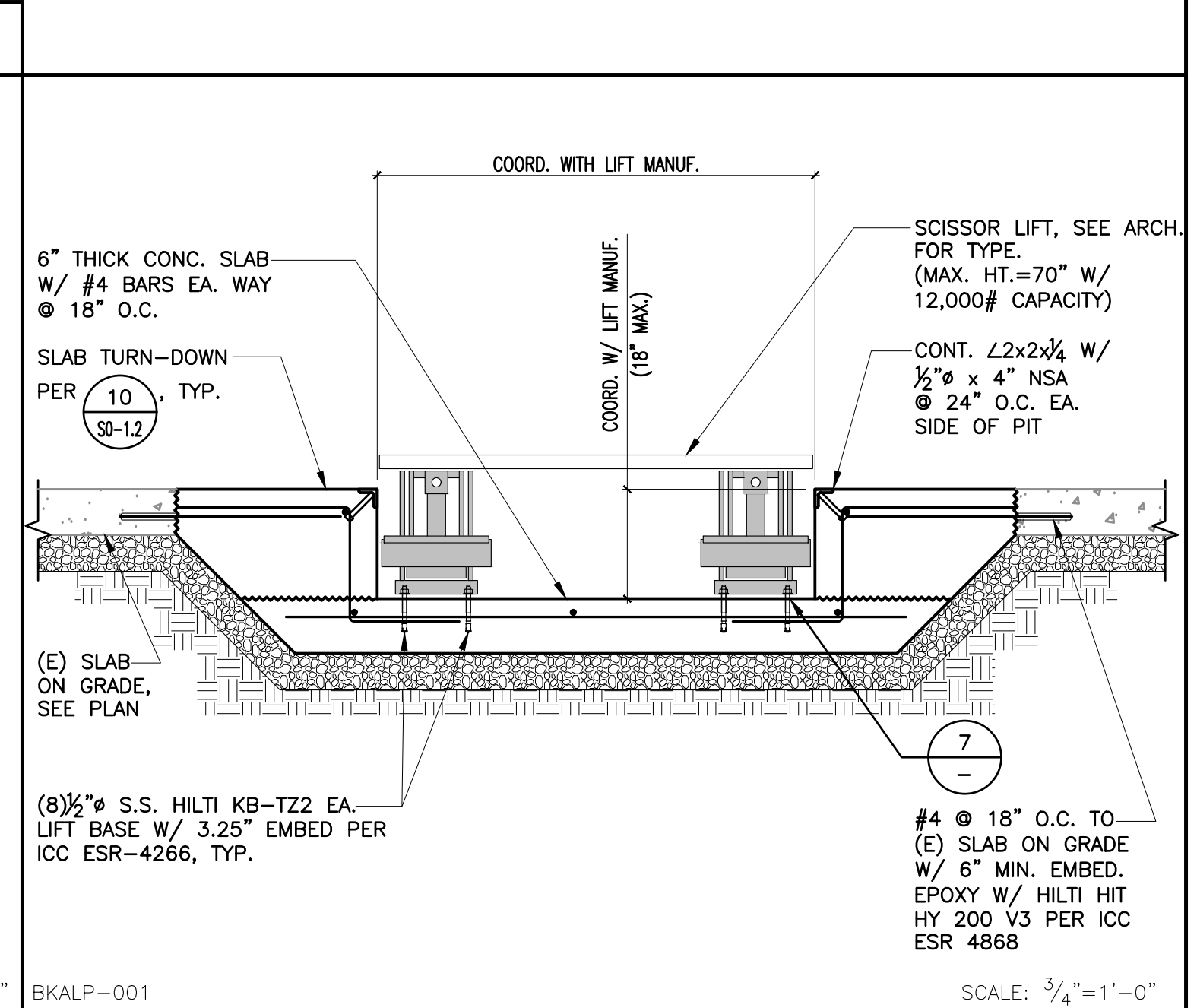




17	HANGING GUARD BRACING
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12,000LB 2-POST CAR LIFT ANCHORAGE

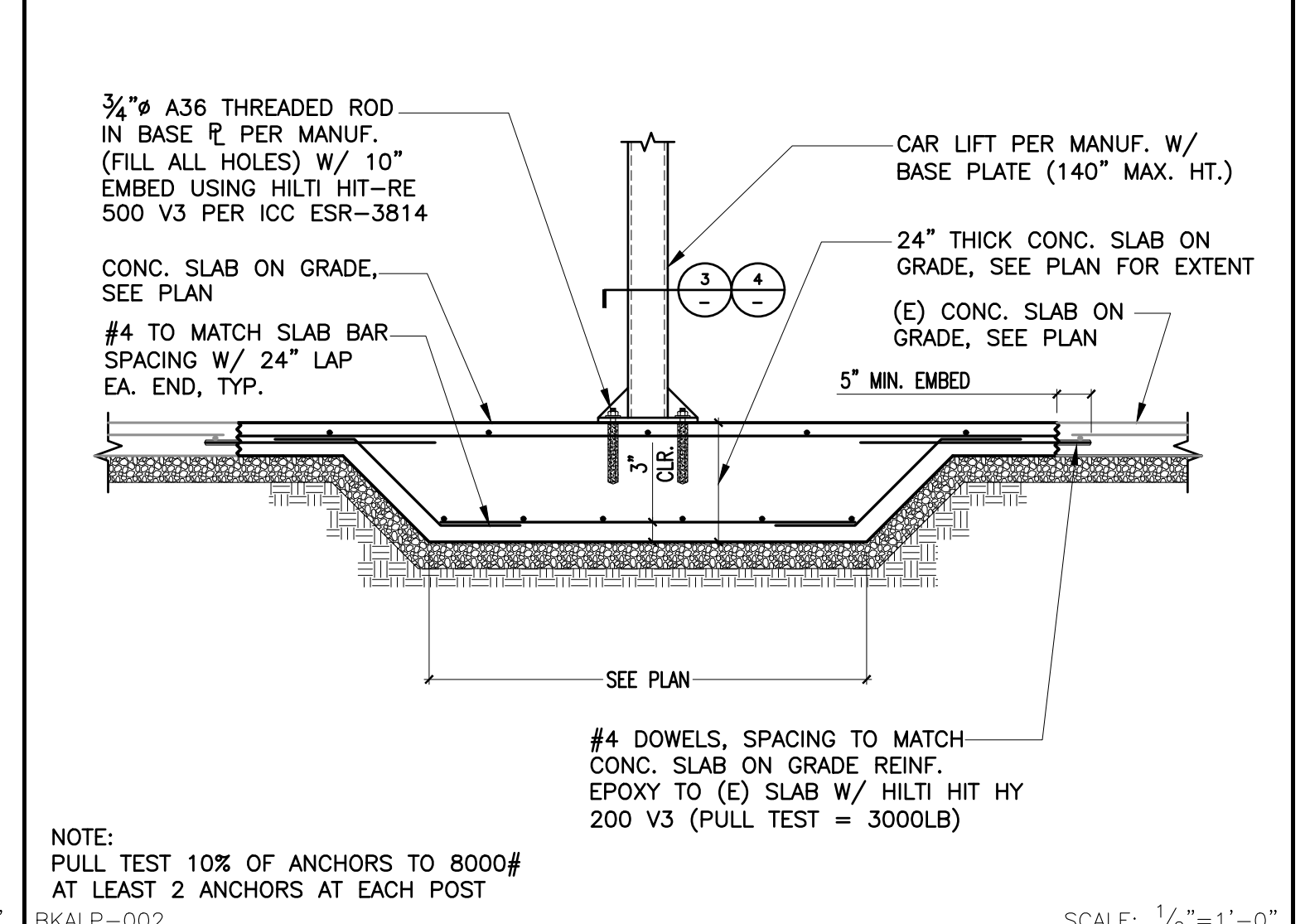
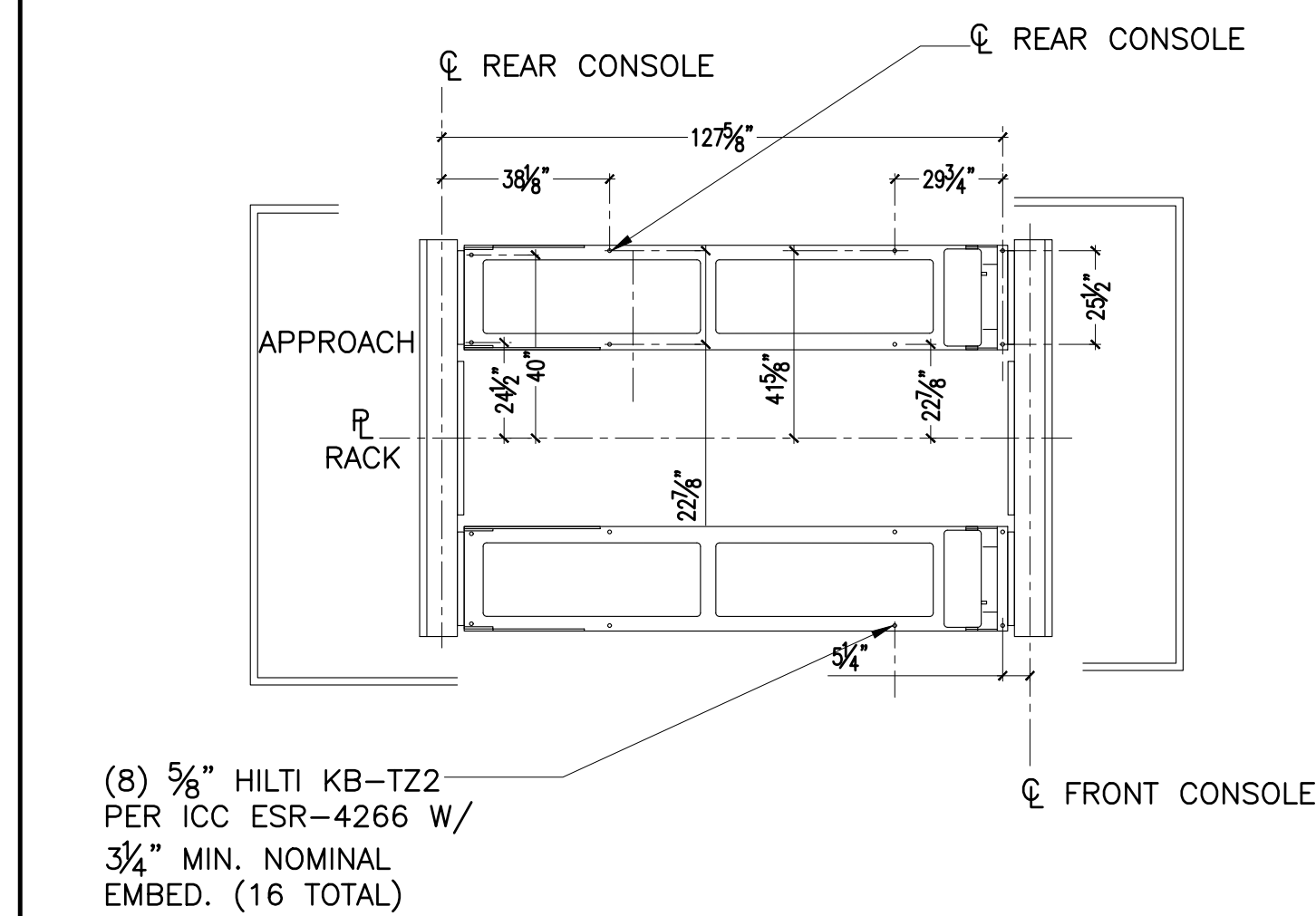
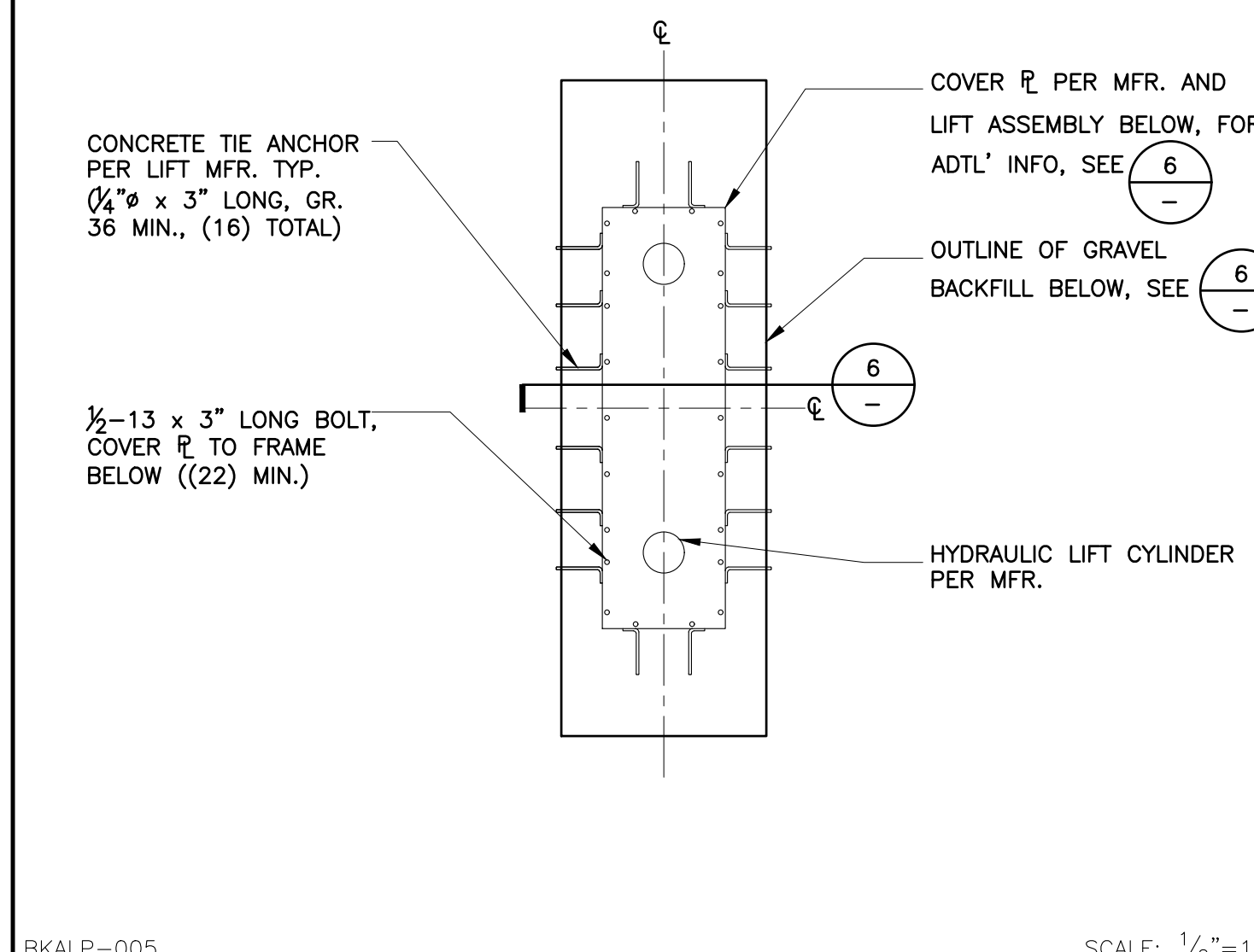


18

ROLL UP DOOR ANCHORAGE

10	IN-GROUND CAR LIFT ANCHORAGE
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TYPICAL SCISSOR LIFT ANCHORAGE

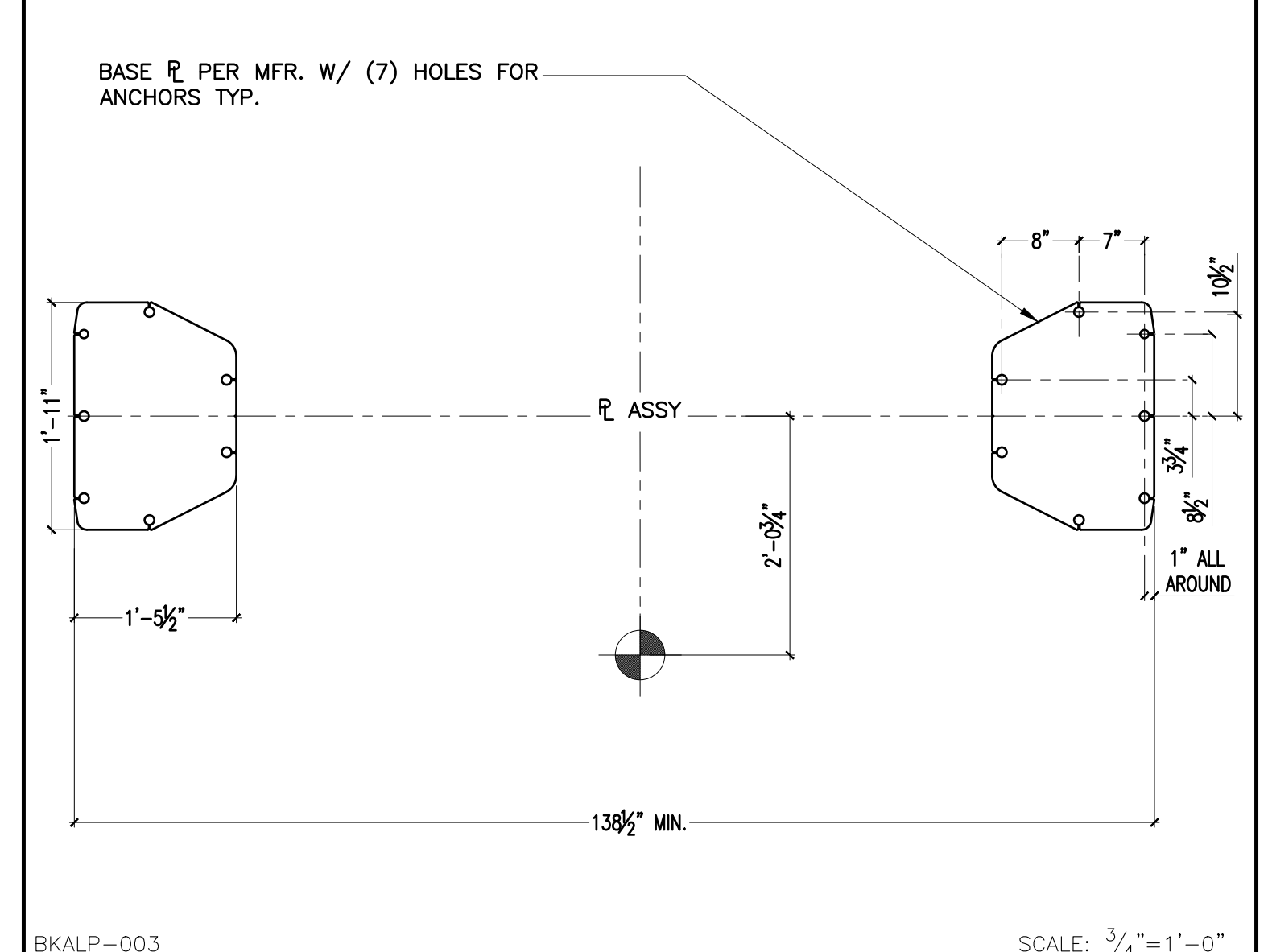
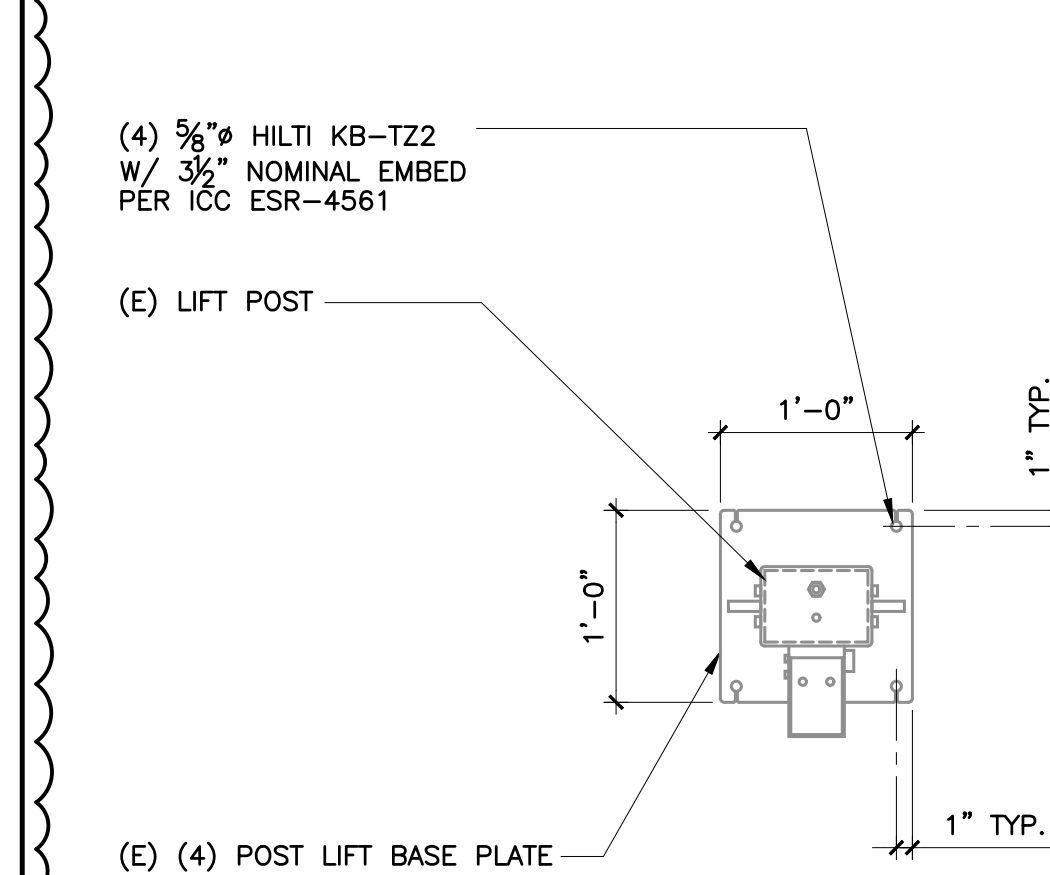
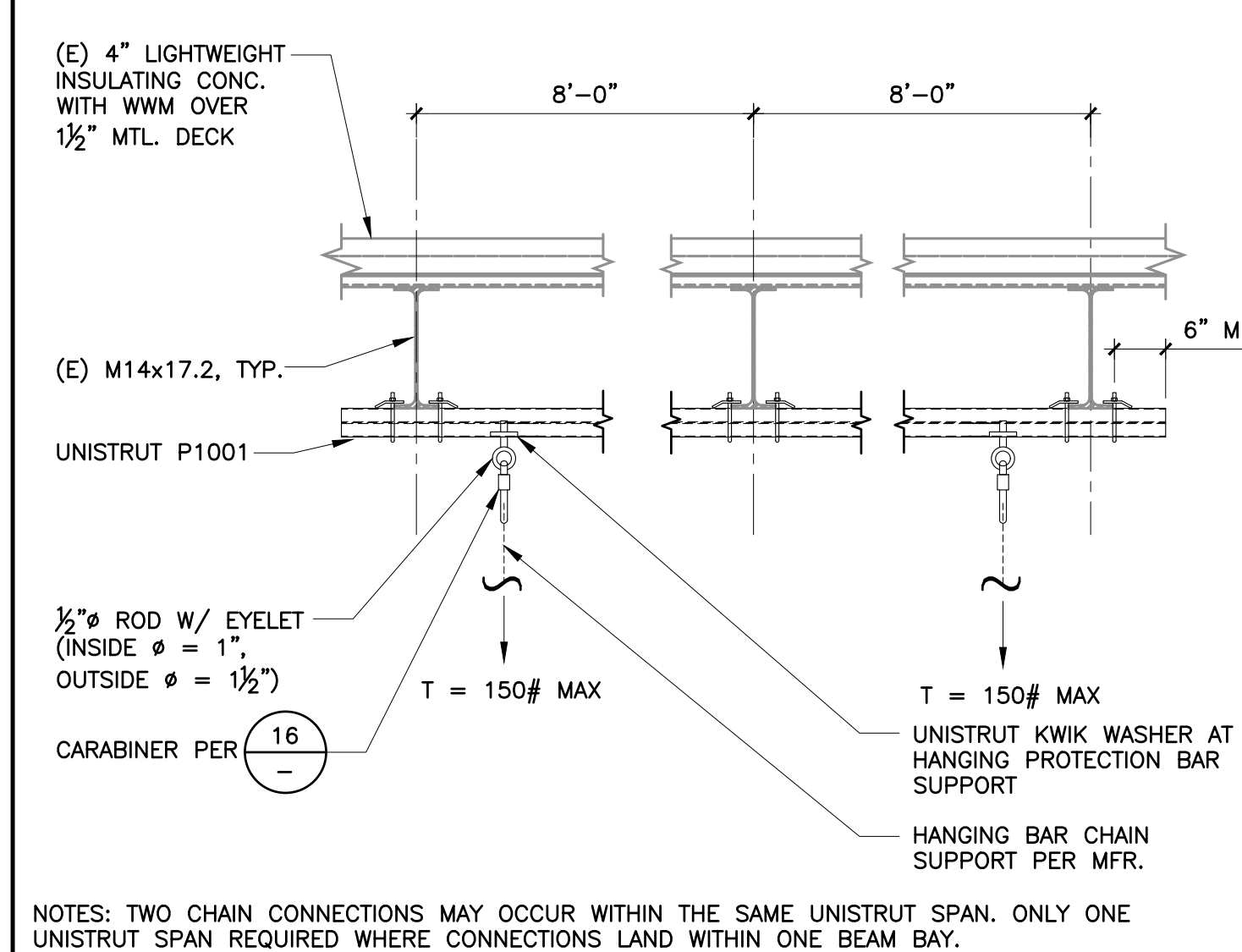
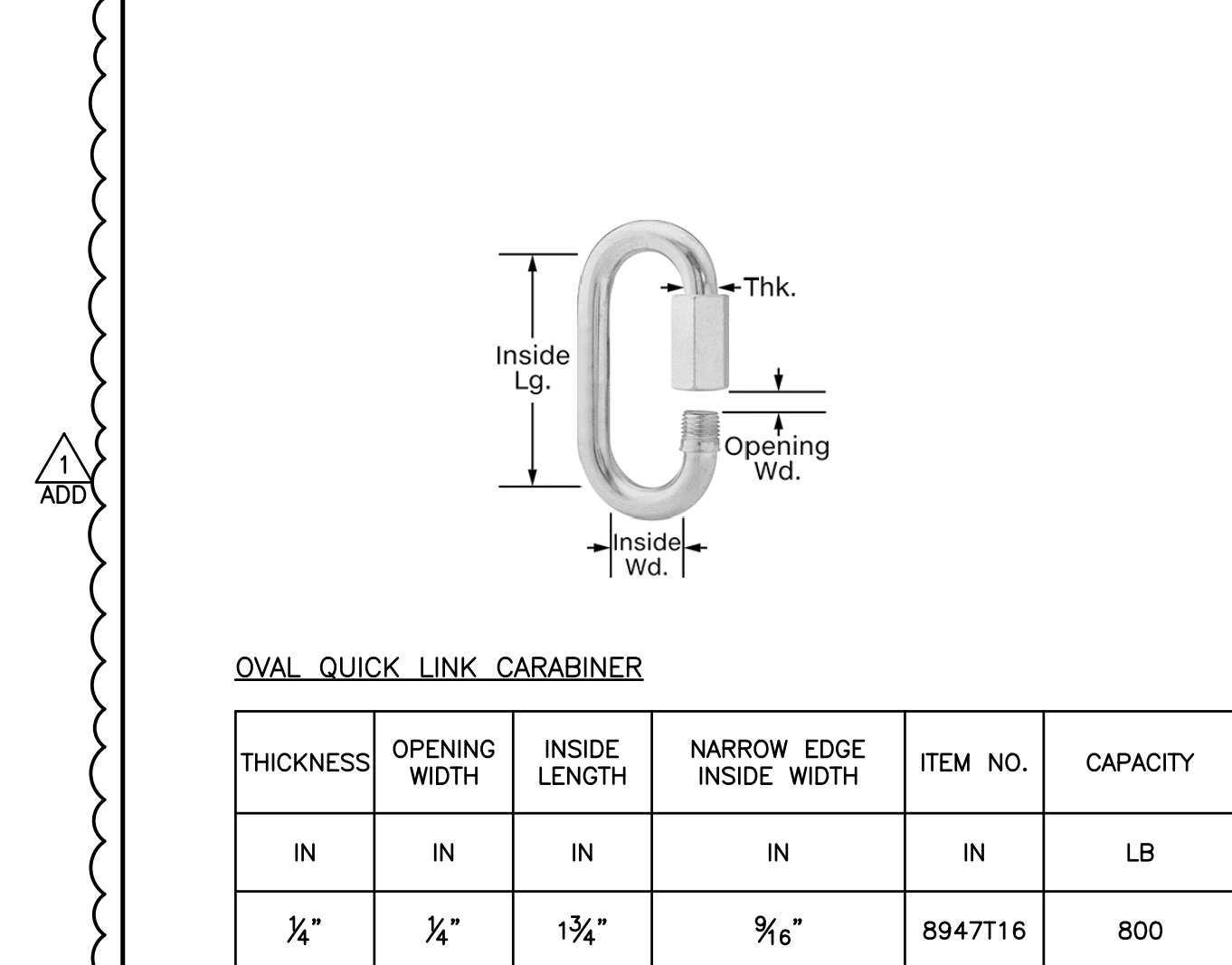


19

15 IN-GROUND CAR LIFT ANCHORAGE

11	SCISSOR LIFT ANCHORAGE (RX12KFIS)
----	-----------------------------------

TYPICAL 2-POST CAR LIFT ANCHORAGE



20 CARABINER PROPERTIES

HANGING GUARD SUPPORT

12 (E) 4 POST LIFT ANCHORAGE

10,000LB 2-POST CAR LIFT ANCHORAGE

KEY NOTES: (CONTINUED)

31) EXISTING LED WALL PACK SHALL BE REMOVED AND RETURNED TO THE DISTRICT. MAINTAIN CONTINUITY OF EXISTING LIGHTING CIRCUIT AND CONTROL. EXISTING CABLING SHALL BE SPLICED IN EXISTING BACKBOX. IF BACKBOX DOES NOT EXIST, PROVIDE NEW BOX ON INTERIOR WALL AND INTERCEPT CONDUIT AND CABLING AS REQUIRED. PROVIDE STAINLESS STEEL BLANK PLATE AND SEAL OPENINGS AS REQUIRED. PAINT BLANK PLATE TO MATCH WALL FINISH.



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AGENCY APPROVAL
FIG. NO. 37-C5 #104-124611



Power | Lighting | Multimedia
Communications | Data Networking

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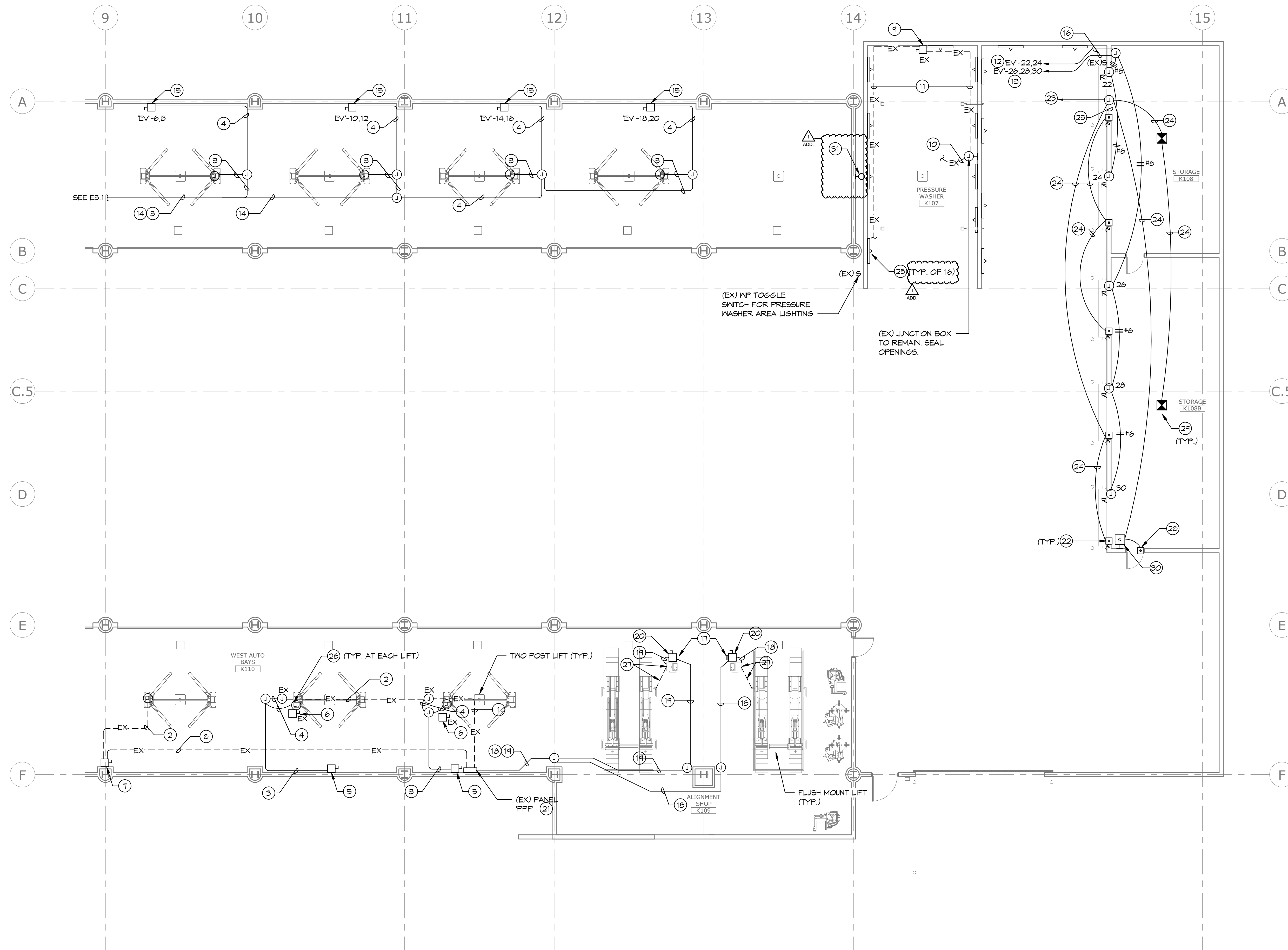
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GENERAL NOTES:

- REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED POWER DEVICES WHERE INDICATED AT MOUNTING HEIGHTS OTHER THAN +10'.
- REFERENCE E3 SERIES SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
- NUMBERS ADJACENT TO EACH POWER DEVICE INDICATES THE CIRCUIT NUMBER TO WHICH THE DEVICE IS TO BE CONNECTED.
- CIRCUIT HOMERUNS ARE INDICATED TO SHOW THE LOCATION AND NUMBER OF CIRCUITS TO BE GROUPED TOGETHER.
- PROVIDE MINIMUM 3/4" CONDUIT AND #12 CIRCUIT CONDUCTORS AS REQUIRED TO CONNECT EACH POWER DEVICE TO THEIR INDICATED CIRCUIT (U.O.N.).
- FIELD VERIFY EXACT ROUTING LOCATION FOR CONCEALED CONDUITS AND RECEPTACLES PRIOR TO ROUGH-IN.
- FIELD VERIFY EXACT LOCATION OF POINT OF CONNECTION OF EACH EQUIPMENT PRIOR TO ROUGH IN.
- EXISTING DISCONNECT SWITCHES ASSOCIATED WITH THE EXISTING LIFTS SHALL BE REMOVED U.O.N. EXISTING CONDUITS AND CONDUCTORS FROM THESE DISCONNECTS TO EXISTING LIFTS POWER POINT OF CONNECTION SHALL BE REMOVED U.O.N.

KEY NOTES:

- EXISTING 1/2" C. TO REMAIN. EXISTING CONDUCTORS SHALL BE REMOVED. PROVIDE 4 #10, 1 #10 GND. RECONNECT TO EXISTING 30A/2P BREAKERS AT PANEL "PPF".
- EXISTING 1/2" C. TO REMAIN. EXISTING CONDUCTORS SHALL BE REMOVED. PROVIDE 2 #10, 1 #10 GND. EXTEND CONDUIT AND CONDUCTORS TO NEW LIFT'S POINT OF POWER CONNECTION.
- 3/4" C. 2 #10, 1 #10 GND.
- 3/4" C. 4 #10, 2 #10 GND.
- 30A/2P DISCONNECT WITH (2) 25A FUSES.
- EXISTING DISCONNECT AND LOAD SIDE CONDUIT AND WIRING SHALL BE REMOVED.
- EXISTING DISCONNECT TO REMAIN. EXISTING FUSES SHALL BE REPLACED WITH (2) NEW 25A FUSES.
- EXISTING 3/4" C. TO REMAIN. EXISTING CONDUCTORS SHALL BE REMOVED. PROVIDE 2 #10, 1 #10 GND. RECONNECT TO EXISTING 30A/2P BREAKER AT PANEL "PPF".
- EXISTING DISCONNECT TO REMAIN. EXISTING WIRING SHALL BE REMOVED BACK TO SOURCE.
- EXISTING CONDUIT AND WIRING TO BE REMOVED.
- EXISTING CONDUIT TO REMAIN. EXISTING WIRING SHALL BE REMOVED.
- 1" C. 3 #6, 1 #6 GND.
- 1" C. 4 #6, 1 #6 GND.
- 3/4" C. 6 #10, 1 #10 GND.
- 30A/2P DISCONNECT WITH (2) 30A FUSES.
- FIELD VERIFY EXACT ROUTING. CONDUIT SHALL BE ROUTED THROUGH EXISTING EXPOSED WORK AND PRESSURE WASH AREA AND INSIDE THE BUILDING BEFORE BEING TERMINATED AT PANEL "EV". AT OUTDOOR CMU, SURFACE MOUNT THE CONDUITS AND PENETRATE THROUGH EXISTING CMU AS REQUIRED.
- EXISTING UNISTRUT SUPPORT SHALL BE REMOVED AND RE-INSTALLED. INSTALL NEW DISCONNECT ON EXISTING UNISTRUT.
- 3/4" C. 4 #8, 1 #8 GND. (PPF-23,25)
- 3/4" C. 4 #8, 1 #8 GND. (PPF-24,26)
- 60A/2P/1 DISCONNECT WITH 40A FUSES.
- REPLACE EXISTING 30A/2P BREAKER AT CIRCUIT 23,25 AND 24,26. WITH 40A/2P BREAKERS.
- DOOR CONTACTS FOR ROLL-UP GARAGE DOORS OR SECURITY SHUTTERS SHALL BE SURFACE MOUNTED HEAVY-DUTY TYPE BY HONEYWELL MODEL #49568N.
- 2" C. WITH SECURITY SYSTEM CABLING TO BUILDING SECURITY PANEL AS REQUIRED. MAINTAIN MAX (2) 90 DEGREE BENDS AND PROVIDE ADDITIONAL JUNCTION BOXES AS REQUIRED.
- 3/4" C. WITH SECURITY SYSTEM CABLE TO BUILDING SECURITY PANEL AS REQUIRED.
- REPLACE EXISTING WALL MOUNTED RAB LIGHTING FIXTURES WITH NEW NET LOCATION INDUSTRIAL LINEAR LED FIXTURES. LITHONIA LIGHTING FFLW-148-8000LM, UV STABILIZED POLYCARBONATE LOW PROFILE FROSTED LENS, WIDE DISTRIBUTION, 0-10V DIMMING, 4000K CCT, 80CRI, UNIVERSAL VOLTAGE, NEMA 4X FITTINGS AND MOUNTING HARDWARE AND BRACKETS, OCCUPANCY SENSOR. CUTBACK EXISTING CONDUITS AND EXTEND CONDUITS AND CONDUCTORS TO NEW FIXTURE AT EACH NEW FIXTURE LOCATION AS REQUIRED.
- FIELD VERIFY EXACT POINT OF POWER CONNECTION AND EXTEND CONDUIT AND CONDUCTORS AS REQUIRED.
- FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH IN. PROVIDE POWER CONNECTION FROM POWER UNIT TO LIFT VIA 4" UNDERGROUND CONDUIT AND CONDUCTORS PER MANUFACTURER'S REQUIREMENTS.
- SECURITY DOOR CONTACT.
- SECURITY CEILING MOTION SENSOR.
- SECURITY KEYPAD.



FLOOR PLAN SOUTH - LIGHTING, POWER & COMM.

SCALE:
1/8" = 1'-0"
1

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BUILDING K AUTO LIFT PROJECT

CUYAMACA COMMUNITY COLLEGE
900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019
GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT

FLOOR PLAN SOUTH -
LIGHTING, POWER &
COMM.

E3.2

1-110-01

BUILDING K AUTO LIFTS REPLACEMENT PROJECT: 2026-07-15 DSA APPROVAL SET

PLUMBING LEGEND AND ABBREVIATIONS				
SYMBOL	ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
	POC	POINT OF CONNECTION	A/C	ABOVE CEILING
	POD	POINT OF DISCONNECT	A.F.F.	ABOVE FINISH FLOOR
	W	WASTE OR SEWER BELOW SLAB	A.F.G.	ABOVE FINISH GRADE
	V	SANITARY VENT	A/G	ABOVE GRADE
	SOV	SHUT OFF VALVE	B/F	BELOW FLOOR
	FS	FLOOR SINK	B/G	BELOW GRADE
	FD	FLOOR DRAIN	DWGS.	DRAWINGS
	FCO	FLOOR CLEAN-OUT	EA.	EACH
	GCO	GRADE CLEAN-OUT	EXIST.	EXISTING
	DN	DOWN OR DROP	(E)	EXISTING
	UP	RISE OR RISER	FT.	FEET OR FOOT
			FLR.	FLOOR
			G.P.M.	GALLONS PER MINUTE
			I.E.	INVERT ELEVATION
			OH	OVERHEAD
			LB	POUNDS
			SIM.	SIMILAR
			UG	UNDERGROUND

PIPE MATERIALS	
1.	SOIL/WASTE AND VENT ABOVE GRADE: HUBLESS CAST IRON PIPE AND FITTINGS.
2.	SOIL/WASTE AND VENT BELOW GRADE: POLYVINYL CHLORIDE (PVC) PIPE AND FITTINGS PER ASTM D2065.

SLOPE OF PIPING SYSTEMS	
1.	SANITARY SEWER, WASTE & VENT PIPING: 2% UNLESS NOTED OTHERWISE.

GENERAL NOTES	
1.	THESE DRAWINGS ARE A GENERAL GRAPHIC PRESENTATION OF THE WORK. PIPING AND EQUIPMENT, AS SHOWN, ARE SCHEMATIC, FABRICATE AND INSTALL BASED ON ACTUAL FIELD MEASUREMENT. COORDINATE WITH OTHER TRADES. PROVIDE A COMPLETE SET OF SHOP DRAWINGS REFLECTING ACTUAL INSTALL, ACCESS REQUIREMENTS, AND DETAILS BASED UPON THE ACTUAL EQUIPMENT PROCURED. MAINTAIN AN UP TO DATE SET OF AS-BUILT DRAWINGS AT THE JOB SITE.
2.	THESE DRAWINGS ARE TO BE CONSIDERED NOT FOR CONSTRUCTION UNTIL THEY ARE STAMPED, SIGNED, AND PERMITTED. UNTIL THEN THEY ARE SUBJECT TO CHANGE WITHOUT NOTICE.
3.	COMPLY WITH CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PLUMBING CODE (CPC), AND NATIONAL FIRE PROTECTION AGENCY (NFPA) AND GOVERNING CODES. THERE SHALL BE NO EXCEPTION. REPORT DEFICIENCIES WITHIN THIRTY (30) DAYS UPON AUTHORIZATION TO PROCEED.
4.	PROVIDE ACCESS AND CLEARANCE FOR MAINTENANCE FOR MECHANICAL & PLUMBING EQUIPMENT AND COMPONENTS AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER AND APPLICABLE CODES.
5.	HANDLE, STORE AND INSTALL EQUIPMENT PER MANUFACTURERS INSTRUCTIONS.
6.	NO PLUMBING SHALL BE INSTALLED UNTIL ALL REQUIRED PLUMBING PLAN CHECK PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REQUIRED AGENCIES.
7.	COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PLUMBING FIXTURES AND DRAINS.
8.	COORDINATE AND SCHEDULE TIMING FOR UTILITY SERVICE CONNECTION.
9.	ALL LINES BELOW SLAB ON GRADE TO BE LOCATED AWAY FROM ALL LOAD BEARING FOOTINGS.
10.	ALL LINES RUNNING BELOW GRADE BEAMS OR PENETRATING. SEE STRUCTURAL DRAWINGS FOR CONSTRUCTION.
11.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, ROOFS, FOOTINGS, FLOORS, INCLUDING ALL SAW CUTTING AND CORE DRILLING. COORDINATE ALL SAW CUTTING AND CORE DRILLING WITH STRUCTURALLY DRAWINGS. ANY CUTTING AND DRILLING REQUIRED OF STRUCTURAL ELEMENTS THAT IS NOT SPECIFICALLY SHOWN ON THE PLANS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION PRIOR TO CUTTING AND DRILLING. CONTRACTOR SHALL SUBMIT PROPOSED LOCATION AND SIZES OF SUCH CUTTING AND DRILLING FOR THE ARCHITECTS AND STRUCTURAL ENGINEERS APPROVAL.
12.	COORDINATE ALL EQUIPMENT LOCATIONS, PIPE PENETRATIONS AND EQUIPMENT PAD LOCATIONS WITH STRUCTURAL DRAWINGS PRIOR TO WORK.
13.	UPON INSTALLATION OF ALL EQUIPMENT, DEVICES, VIBRATION ISOLATION, ETC., PROVIDE WRITTEN CONFIRMATION BY EQUIPMENT MANUFACTURER'S REPRESENTATIVES TO ENSURE COMPLIANCE WITH MANUFACTURER'S REQUIREMENTS.
14.	FOR EACH SUBMITTAL, THE CONTRACTOR SHALL PROVIDE A LETTER (ON COMPANY LETTERHEAD) AND SIGNED BY THE PROJECT MANAGER INDICATING THE SUBMITTAL HAS BEEN FULLY IN HOUSE REVIEWED TO ENSURE FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND COORDINATION WITH OTHER TRADES. ANY EXCEPTIONS TO THE CONTRACT DOCUMENTS SHALL BE CLEARLY INDICATED ON THIS LETTER. ANY DISCREPANCIES/EXCEPTIONS NOT IDENTIFIED IN WRITING SHALL BE CORRECTED AT THE SOLE EXPENSE OF THE CONTRACTOR AND AT NO EXPENSE TO THE OWNER AND ENGINEER.

PLUMBING EQUIPMENT SCHEDULE											
SYMBOL	FIXTURE	MANUFACTURER/MODEL	ELECTRICAL DATA			CAPACITY		STORAGE VOLUME (GALLON)	WEIGHT (LBS)	DESCRIPTION	LOCATION
			POWER (HP)	VOLTS	PHASE	HERTZ (Hz)	INPUT (MBH)				
	SAND/OIL INTERCEPTOR	JENSEN PRECAST / JP750	--	--	--	--	--	750	10209	PRECAST CONCRETE, H-20 WHEEL RATED.	SEE PLANS

PLUMBING FIXTURE SCHEDULE													
SYMBOL	FIXTURE	MANUFACTURER/MODEL	ROUGH-IN					VALVE/FAUCET TYPE					DESCRIPTION
			HW	CW	W	TRAP	V	MANUAL	PUSH BUTTON	BATTERY	ELECTRIC 110V	FLOW	
	LAVATORY - ACCESSIBLE	BRADLEY / GLX-2 SLOAN / OPTMA	1/2"	1/2"	2"	2"	1 1/2"	--	--	--	X	0.5 GPM	WALL MOUNTED, BRUSHED STAINLESS DECK MOUNTED, HARDWIRED FAUCET, ACCESSIBLE.

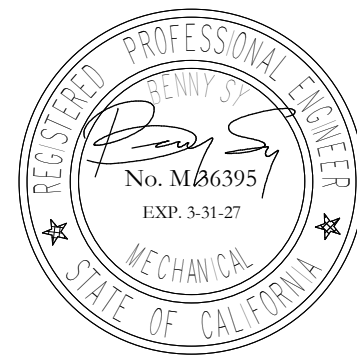
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AGENCY APPROVAL
FIG No. 31-C5 *ASBP-000000*

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AGENCY APPROVAL
FIG No: 31-CS ASEP-000000



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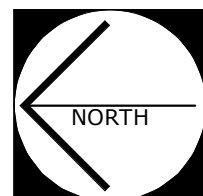
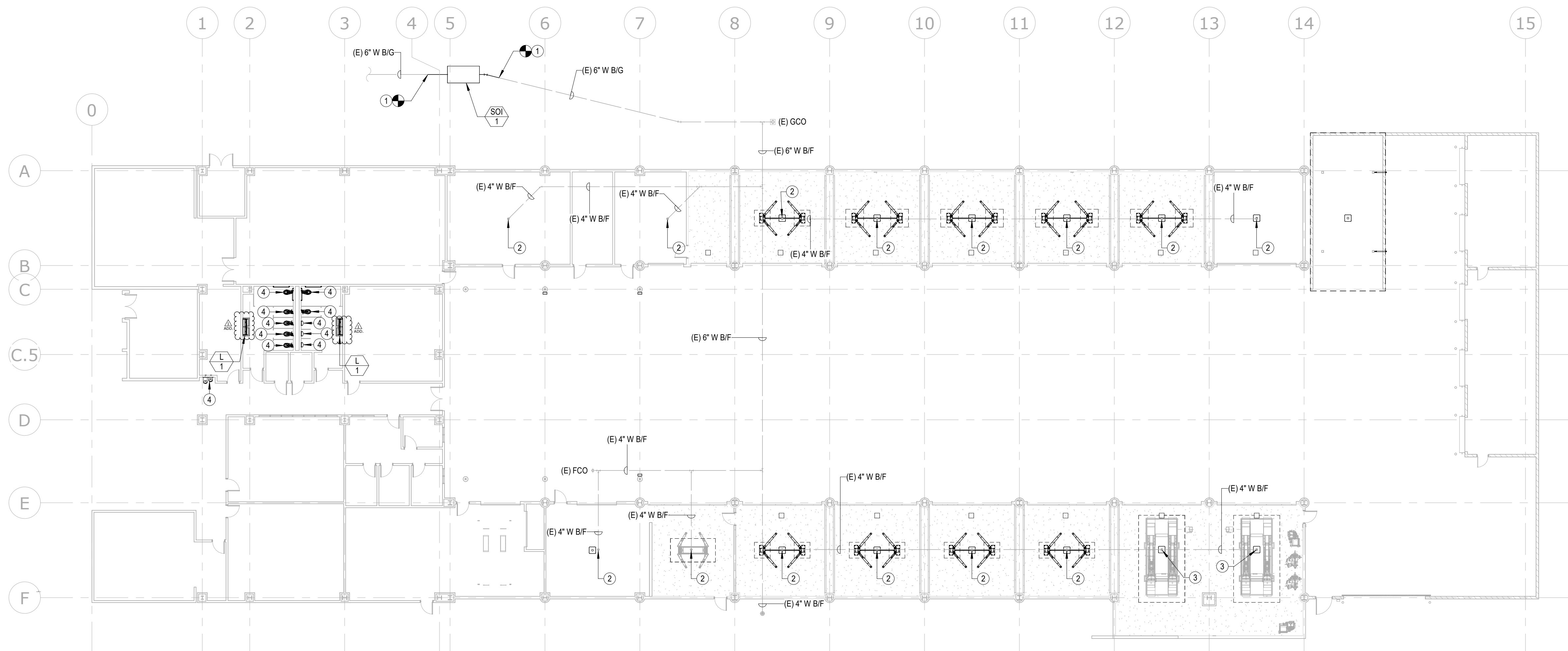
RUHNAU
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ARCHITECTS

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#

KEY NOTES

- 1 POINT OF CONNECTION 6" WASTE TO EXISTING 6" WASTE.
- 2 EXISTING AREA DRAIN.
- 3 ADJUST SLAVAGED AREA DRAIN TO NEW FINISH FLOOR ELEVATION.
- 4 EXISTING PLUMBING FIXTURE.



PLUMBING LEVEL 1 1

SCALE:
1/16" = 1'-0"

PROJECT No. :1-110-01
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BUILDING K AUTO LIFT PROJECT

CUYAMACA COMMUNITY COLLEGE
900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019
GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT

PLUMBING LEVEL 1 -
OVERALL

P1-2.0

BUILDING K AUTO LIFTS REPLACEMENT PROJECT: 2026-07-15 DSA APPROVAL SET

1-110-01

STRUCTURAL CALCULATIONS
FOR
CUYAMACA COMMUNITY COLLEGE
BUILDING K AUTO LIFT
REPLACEMENT PROJECT

EL CAJON, CA

RTM No. 203.950

August 2026

Prepared Under the Direction of:



Josh Randall

Registered Structural Engineer, S.E. 4506(CA)



1 Ada, Suite 100, Irvine, CA 92618
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PROJECT	<u>CUYAMACA COMMUNITY COLLEGE</u>	JOB NO	<u>203.950</u>
	<u>ADDENDUM 01</u>	DATE	<u>08/26</u>
CLIENT	<u>RCA</u>	BY	<u>BH</u>

ADDENDUM 01 NARRATIVE

- ADDENDUM ADDS GRAVITY AND LATERAL SUPPORT CONNECTIONS FOR HANGING GUARDS AT BUILDING K.
- SEE ENCLOSED CALCULATIONS FOR HANGING GUARD ATTACHMENT JUSTIFICATION FOR BOTH GRAVITY AND LATERAL LOADS.

INDEX

<u>DESCRIPTION</u>	<u>PAGE</u>
HANGING GUARD WEIGHT	1 THRU 1
GRAVITY DESIGN	2 THRU 2
LATERAL DESIGN	3 THRU 4

CLIENT NO. _____

REVIEWED BY _____

DATE _____

PROJECT CUYAMACA COMMUNITY COLLEGE

JOB NO 203.950

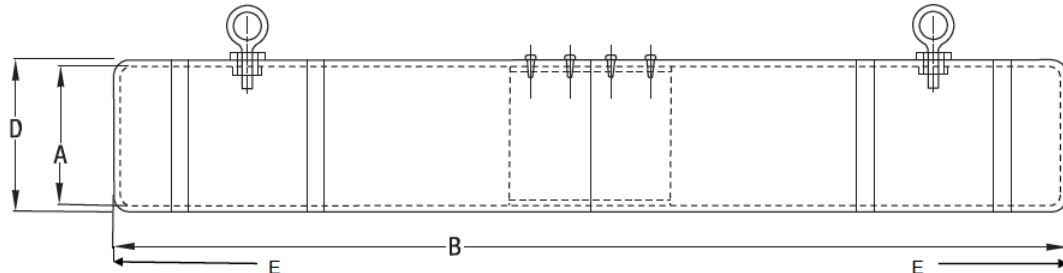
ADDENDUM 01

DATE 08/26

CLIENT RCA

BY BH

CHECK HANGING GUARD DEMANDS



Standard Sizes	A = Actual Inside Diameter	D = Actual Outside Diameter	B = Overall Length	E = Approx. Distance from Rivet to End
4.5" Diameter x 96" Long	4.72 inches	5.00 inches	96.0 inches	16.00 inches
4.5" Diameter x 120" Long	4.72 inches	5.00 inches	120.0 inches	16.00 inches
7.0" Diameter x 96" Long	7.10 inches	7.34 inches	96.0 inches	16.00 inches
7.0" Diameter x 120" Long	7.10 inches	7.34 inches	120.0 inches	16.00 inches

ASSEMBLY INSTRUCTIONS:

1. Join both sections and line up pre-drilled holes.
2. Install enclosed zip screws into pre-drilled holes.
3. Install enclosed eye hooks into threaded rivets for attachment to chain.
4. Install Custom Graphics Kit to indicate desired height – "CLEARANCE".

Eye Bolt Specifications:

Material: Steel, Zinc Finish Eye Inside Dia: 1/2 In.
Thread Length: 1 1/2 In. Wire Dia: 1/4 In.
Length: 2 1/2 In. Width: 1 In.

FIND WT OF HANGING GUARD

$$r_1 = 7.34 \text{ IN} / 2 = 3.67 \text{ IN}$$

$$r_2 = 7.10 \text{ IN} / 2 = 3.55 \text{ IN}$$

$$\text{LENGTH} = 120 \text{ IN}$$

$$\text{DENSITY} = 500 \text{ PCF}$$

$$\begin{aligned} \text{AREA} &= 2\pi[(r_1)^2 - (r_2)^2] + \\ &= 2\pi[(3.67 \text{ IN})^2 - (3.55 \text{ IN})^2] = 5.44 \text{ IN}^2 \end{aligned}$$

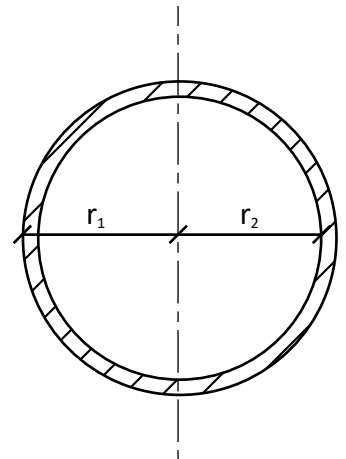
$$\begin{aligned} \text{VOLUME} &= (\text{AREA})(\text{LENGTH}) + (2)[(r_1 - r_2)\pi(r_1)^2] \\ &= (5.44 \text{ IN}^2)(120 \text{ IN}) + (2)[(3.67 \text{ IN} - 3.55 \text{ IN})\pi(3.67 \text{ IN})^2] = 663 \text{ IN}^3 \end{aligned}$$

$$\begin{aligned} \text{WT} &= (500 \text{ LB/FT}^3)(\text{FT}^3) / (12 \text{ IN})^3 (663 \text{ IN}^3) \\ &= 192 \text{ LB} \end{aligned}$$

$$\text{ASSUME SLEEVE AND CHAIN/ATTACHMENT HARDWARE WT} = 83 \text{ LB}$$

$$\text{WT OF ASSEMBLY} = 192 \text{ LB} + 83 \text{ LB} = 275 \text{ LB}$$

USE 300LB FOR DESIGN



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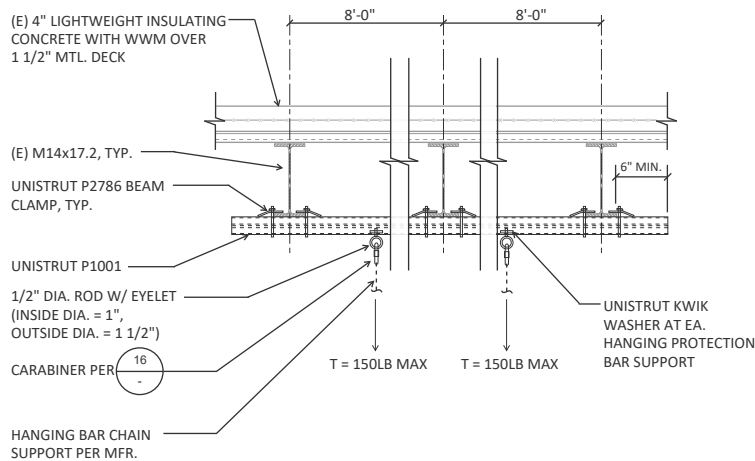
JOB NO **203.950**
ADDENDUM 01

DATE **08/26**

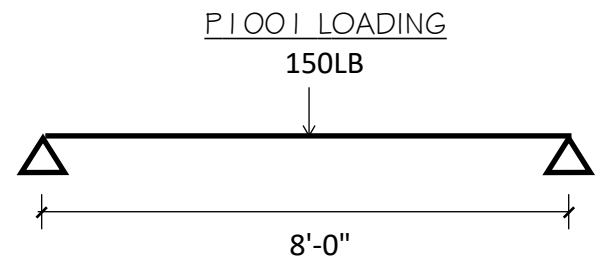
CLIENT **RCA**

BY **BH**

CHECK HANGING GUARD GRAVITY SUPPORTS



NOTES: TWO CHAIN CONNECTIONS MAY OCCUR WITHIN THE SAME UNISTRUT SPAN. ONLY ONE UNISTRUT SPAN REQUIRED WHERE CONNECTIONS LAND WITHIN ONE BEAM BAY.



FIND CHECK UNISTRUT TO SUPPORT HANGING GUARD

ALTERNATE CONDITION EXISTS WHERE TWO SUPPORTS LAND BETWEEN ONE BAY, HOWEVER, THE SUPPORTS ARE SO CLOSE TO THE END, THE BEAM MOMENT WOULD BE NOMINAL COMPARED TO THE CONDITION WHERE SUPPORT IS CENTERED IN UNISTRUT SPAN.

UNISTRUT ALLOWABLE MOMENT = 14,360 LB-IN

MOMENT DEMAND = (150 LB)(8 FT)/4
= 300 LB-FT = 3,600 LB-IN

DCR = 3,600 LB-IN / 14,360 LB-IN = 0.251 < 1.0, UNISTRUT P1001 OK

CHANNELS & COMBINATIONS IN DESCENDING ORDER OF STRENGTH

Channel	Area In ² (cm ²)	Weight lbs/ft (kg/m)	I In ⁴ (cm ⁴)	s In ³ (cm ³)	Allow. Moment In-lbs (N·m)
P5001	1.793 11.57	6.10 9.1	6.227 259.2	1.916 31.4	48,180 5,440
P1004A	1.965 12.68	6.68 9.9	4.068 169.3	1.669 27.4	41,980 4,740
P5501	1.452 9.37	4.94 7.3	2.805 116.8	1.151 18.9	28,940 3,270
P1001C41	2.221 14.33	7.55 11.2	1.856 77.2	1.142 18.7	28,720 3,250
P5000	0.897 5.78	3.05 4.5	1.098 45.7	0.627 10.3	15,770 1,780
P1001	1.111 7.16	3.78 5.6	0.928 38.6	0.571 9.4	14,360 1,620

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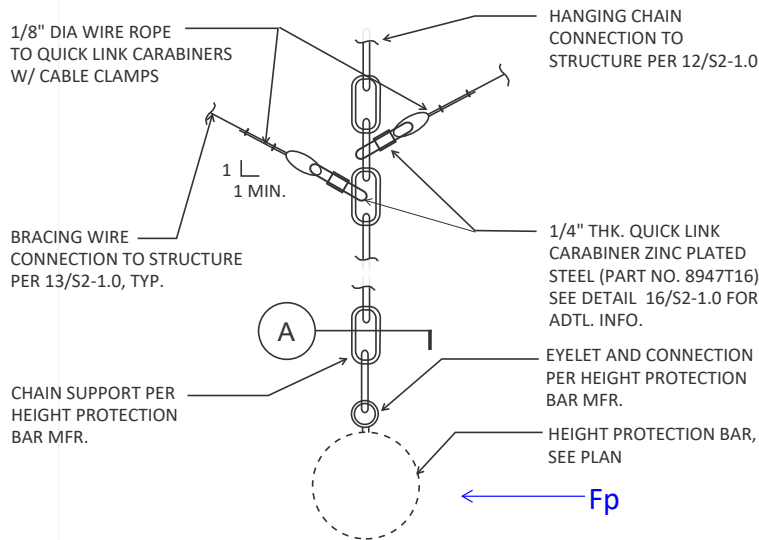
ADDENDUM 01

DATE 08/26

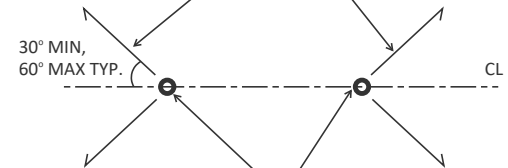
CLIENT RCA

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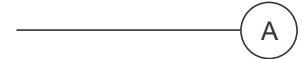
CHECK HANGING GUARD LATERAL SUPPORTS



SYMBOL REPRESENTS LOCATIONS/ DIRECTION OF WIRE BRACING



SYMBOL REPRESENTS LOCATIONS/ DIRECTION OF CHAIN HANGERS



FIND DEMAND ON BRACING

$F_p = 96\text{LB} @ \text{ASD} < - \text{SEE FOLLOWING PG}$

$$F_{PBRACE} = 96\text{LB}/2 = 48\text{LB}$$

FIND RESULTANT FORCE DUE TO BRACE ANGLES

$$F_{Px} = 48\text{LB}$$

$$F_{Py} = (48\text{LB})/\text{TAN}(45 \text{ DEG}) = 48\text{LB}$$

$$F_{Pz} = (48\text{LB})[\text{TAN}(60 \text{ DEG})] = 83\text{LB}$$

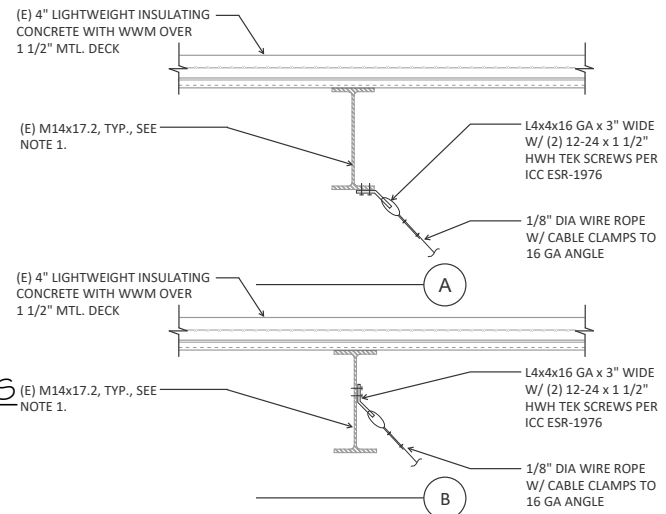
$$\text{SHEAR DEMAND} = \sqrt{[(83\text{LB})^2 + (48\text{LB})^2]} = 96\text{LB}$$

TEK SCREW CAPACITY (1 2-24 x 1 1/2" PER ICC ESR-1976)

$$T_{\text{ALLOW}} = 515\text{LB}$$

$$V_{\text{ALLOW}} = 525\text{LB}$$

$$\text{UNITY} = 48\text{LB}/515\text{LB} + 96\text{LB}/525\text{LB} = 0.276 < 1.0, (2) 12-24 \times 1 1/2" \text{ TEK SCREWS OK}$$



NOTES:
1. DO NOT ATTACH TO 16" DEEP BEAMS. IF REQUIRED CONTACT RTM.

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HANGING GUARD SEISMIC DEMAND

$$W_p = 300 \text{ lb}$$

Total Operating Weight

$$R_{po} = 2.20$$

Component Strength Factor

$$C_{AR} = 1.50$$

Component Resonance Ductility Factor

$$\Omega_0 = 1.75$$

Overstrength Factor

$$S_{DS} = 0.77$$

Seismic Coefficient

$$I_p = 1.00$$

Importance Factor

$$z = 11.0 \text{ ft}$$

Height of Component Attachment vs. Grade

$$h = 15.0 \text{ ft}$$

Height of Roof vs. Grade

$$R_u = \left[\frac{1.1R}{(I_e \Omega_0)} \right]^{1/2} \geq 1.3$$

Structure Ductility Reduction Factor (ASCE7-22 Eq. 13.3-6)

$$= 1.3$$

$$H_f = 1 + 2.5 \left(\frac{z}{h} \right)$$

Force Amplification Height Factor (ASCE7-22 Eq. 13.3-5)

$$= 2.83 \text{ ft}$$

$$F_p = 0.4 S_{DS} I_p W_p \left(\frac{H_f}{R_u} \right) \left(\frac{C_{AR}}{R_{po}} \right)$$

Seismic Horizontal Force (ASCE 7-22 Eq. 13.3-1) *GOVERNS*

$$= 137 \text{ lb}$$

$$F_{p,max} = 1.6 S_{DS} I_p W_p$$

Min. Seismic Horizontal Force (ASCE 7-22 Eq. 13.3-2)

$$= 370 \text{ lb}$$

$$F_{p,min} = 0.3 S_{DS} I_p W_p$$

Max. Seismic Horizontal Force (ASCE 7-22 Eq. 13.3-2)

$$= 69 \text{ lb}$$

$$F_{pv} = 0.2 S_{DS} I_p W_p$$

Seismic Vertical Force (ASCE 7-22 § 13.3.1.6)

$$= 46 \text{ lb}$$

Multiply Values above by 0.7 for Allowable Stress Design

$$0.7 F_p = 96 \text{ lb}$$

$$0.7 F_{pv} = 32 \text{ lb}$$

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